

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064209.D
 Acq On : 20 Oct 2020 20:39
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 21 04:51:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 20 11:51:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	48257	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	266740	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	245944	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	129734	32.84	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	109.47%
60) 4-Bromofluorobenzene	12.38	95	128382	29.13	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.10%
63) Toluene-d8	10.06	98	330207	29.66	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	67467	20.377	ug/l 95
3) Chloromethane	2.04	50	66183	19.507	ug/l 99
4) Vinyl Chloride	2.16	62	62741	18.796	ug/l 95
5) Bromomethane	2.54	94	39569	19.814	ug/l 98
6) Chloroethane	2.67	64	36884	18.971	ug/l 96
7) Trichlorofluoromethane	2.99	101	103546	19.323	ug/l 98
8) Diethyl Ether	3.38	74	35168	19.331	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	51198	18.103	ug/l 97
10) 1,1-Dichloroethene	3.70	96	51545	18.719	ug/l 99
11) Methyl Iodide	3.91	142	71812	18.093	ug/l 100
12) Methyl Acetate	4.28	43	55160	19.006	ug/l 93
13) Acrolein	3.57	56	31286	98.588	ug/l # 1
14) Acrylonitrile	4.93	53	110170	94.199	ug/l 99
15) Acetone	3.77	58	29457	93.285	ug/l 91
16) Carbon Disulfide	4.01	76	144031	18.290	ug/l 98
17) Allyl chloride	4.28	41	92805	18.126	ug/l 96
18) Methylene Chloride	4.50	84	60037	19.063	ug/l 98
19) trans-1,2-Dichloroethene	4.99	96	53628	18.054	ug/l 92
20) Diisopropyl ether	5.90	45	177074	18.714	ug/l 97
21) 1,1-Dichloroethane	5.80	63	110839	19.187	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	62280	17.936	ug/l 96
23) tert-Butyl Alcohol	4.73	59	53308	98.548	ug/l # 100
24) Methyl tert-Butyl Ether	5.00	73	170334	18.720	ug/l 97
25) Chloroform	7.33	83	111814	18.629	ug/l 95
26) Cyclohexane	7.61	56	83630	18.259	ug/l # 87
29) 1,1-Dichloropropene	7.75	75	81586	18.417	ug/l 100
30) 2-Butanone	6.78	43	175862	96.271	ug/l 98
31) 2,2-Dichloropropane	6.77	77	94278	16.764	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	107195	18.992	ug/l 99
33) Carbon Tetrachloride	7.73	117	99220	19.282	ug/l 100
34) Benzene	8.00	78	230329	18.672	ug/l 99
35) Methacrylonitrile	7.13	41	39292	19.609	ug/l 93
36) 1,2-Dichloroethane	8.09	62	98920	19.827	ug/l 99
37) Trichloroethene	8.80	130	62080	18.278	ug/l 96
38) Methylcyclohexane	9.05	83	75927	17.921	ug/l 97
39) 1,2-Dichloropropane	9.08	63	62056	18.851	ug/l 94
40) Dibromomethane	9.17	93	43460	18.974	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	96554	19.478	ug/l	92
42) Vinyl Acetate	5.84	43	816323	94.130	ug/l	100
43) Ethyl Acetate	6.88	43	78800	19.751	ug/l	98
44) Isopropyl Acetate	8.13	43	147627	19.274	ug/l #	89
45) 1,4-Dioxane	9.16	88	17210	384.176	ug/l	97
46) Methyl methacrylate	9.17	41	70990	19.533	ug/l	95
47) n-amyl Acetate	12.04	43	125581	18.482	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	103055	18.434	ug/l	91
49) cis-1,3-Dichloropropene	9.81	75	103620	17.939	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	56537	18.425	ug/l	99
51) Ethyl methacrylate	10.40	69	88326	18.203	ug/l	98
52) 1,3-Dichloropropane	10.68	76	99275	18.765	ug/l	99
53) Dibromochloromethane	10.87	129	71688	18.562	ug/l	97
54) 1,2-Dibromoethane	10.98	107	60204	18.458	ug/l	95
55) 2-Chloroethyl vinyl ether	9.66	63	234984	98.535	ug/l	99
56) Bromoform	12.10	173	47154	17.532	ug/l #	96
58) 4-Methyl-2-Pentanone	9.95	43	390943	93.804	ug/l	98
59) 2-Hexanone	10.72	43	282156	91.193	ug/l	99
61) Tetrachloroethene	10.60	164	61073	18.420	ug/l	97
62) Toluene	10.13	91	251676	17.900	ug/l	98
64) Chlorobenzene	11.41	112	155860	17.800	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	63517	18.515	ug/l	97
66) Ethyl Benzene	11.48	91	289350	17.900	ug/l	100
67) m/p-Xylenes	11.59	106	213680	35.543	ug/l	100
68) o-Xylene	11.92	106	104466	17.907	ug/l	97
69) Styrene	11.94	104	174220	17.651	ug/l	98
70) Isopropylbenzene	12.22	105	282103	18.309	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	76123	18.029	ug/l	96
72) 1,2,3-Trichloropropane	12.53	75	113044	25.657	ug/l	49
73) Bromobenzene	12.50	156	66908	18.008	ug/l	98
74) n-propylbenzene	12.57	91	308203	17.526	ug/l	98
75) 2-Chlorotoluene	12.65	91	196486	18.050	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	231174	17.632	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	28411	16.493	ug/l	99
78) 4-Chlorotoluene	12.75	91	200186	17.580	ug/l	100
79) tert-butylbenzene	12.97	119	191663	17.881	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	234286	17.603	ug/l	99
81) sec-Butylbenzene	13.15	105	241378	17.308	ug/l	100
82) p-Isopropyltoluene	13.26	119	224288	17.376	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	114265	17.157	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	115342	17.298	ug/l	99
85) n-Butylbenzene	13.59	91	191705	16.731	ug/l	99
86) Hexachloroethane	13.85	117	39092	17.592	ug/l	94
87) 1,2-Dichlorobenzene	13.63	146	113125	17.418	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	18936	17.708	ug/l	95
89) 1,2,4-Trichlorobenzene	14.88	180	65890	16.894	ug/l	95
90) Hexachlorobutadiene	14.98	225	32706	16.544	ug/l	99
91) Naphthalene	15.10	128	202917	17.164	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	65237	17.490	ug/l	99

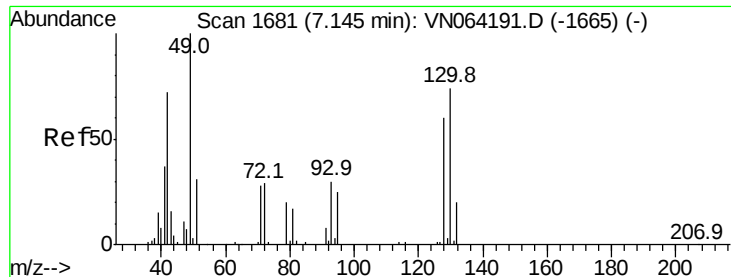
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :
MSVOA_N
ClientSampleId :

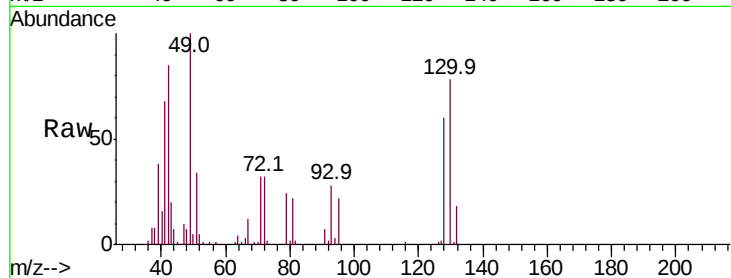
Tot Ion:128 Resp: 48257

Ion Ratio Lower Upper

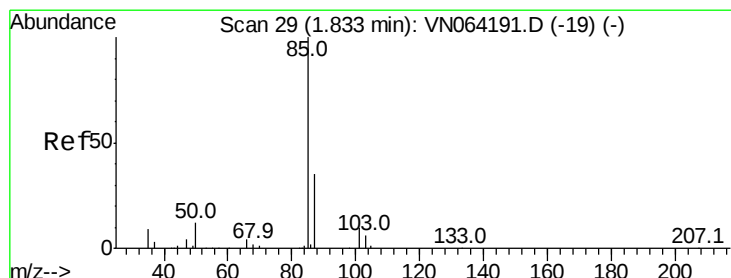
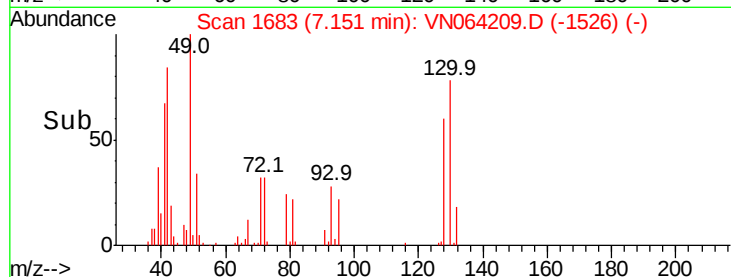
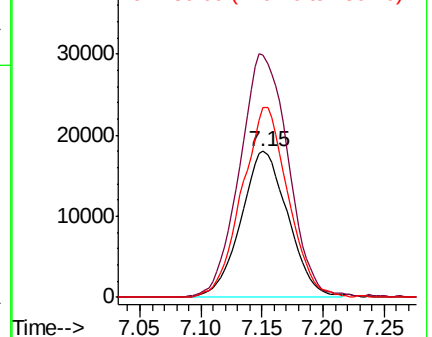
128 100

49 171.0 0.0 433.3

130 127.7 0.0 322.5



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.377 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064209.D

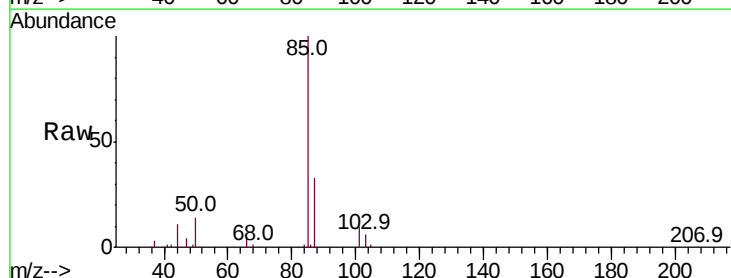
Acq: 20 Oct 2020 20:39

Tgt Ion: 85 Resp: 67467

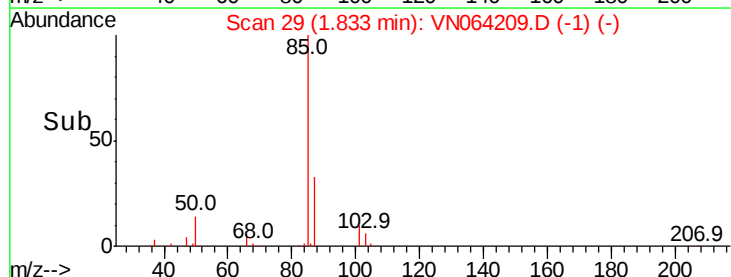
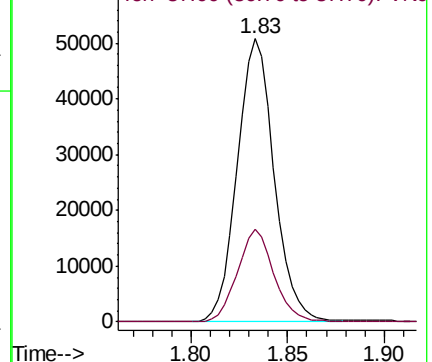
Ion Ratio Lower Upper

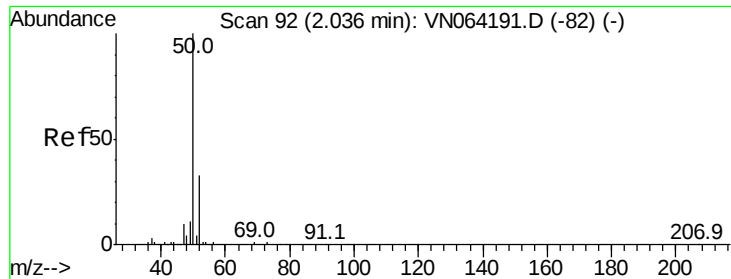
85 100

87 32.7 17.8 53.3



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 19.507 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

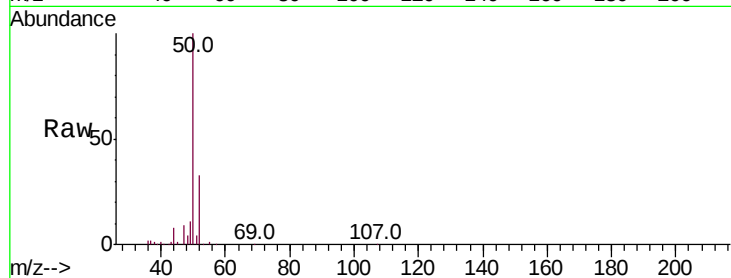
ClientSampled :

Tot Ion: 50 Resp: 66183

Ion Ratio Lower Upper

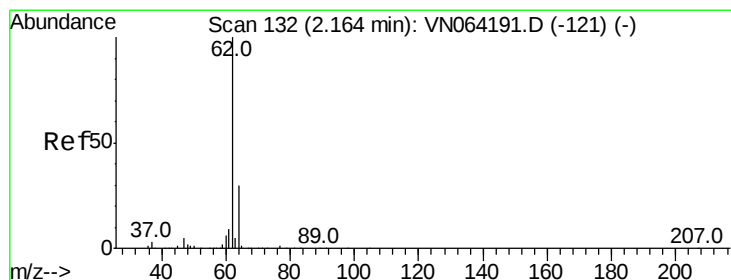
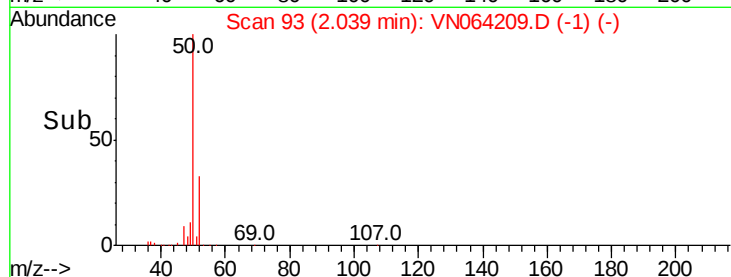
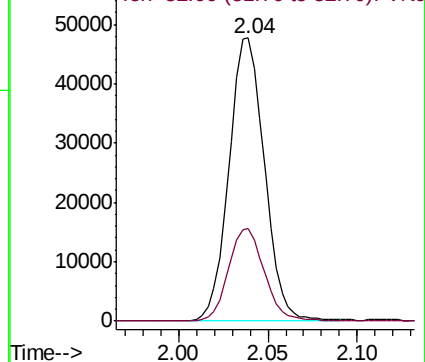
50 100

52 32.6 26.6 40.0



Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 18.796 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064209.D

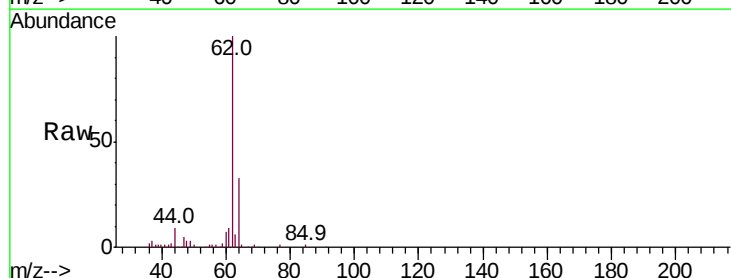
Acq: 20 Oct 2020 20:39

Tgt Ion: 62 Resp: 62741

Ion Ratio Lower Upper

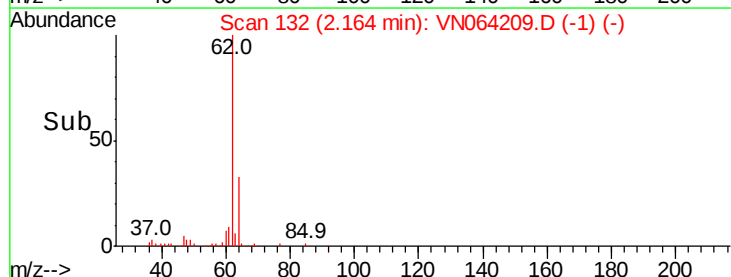
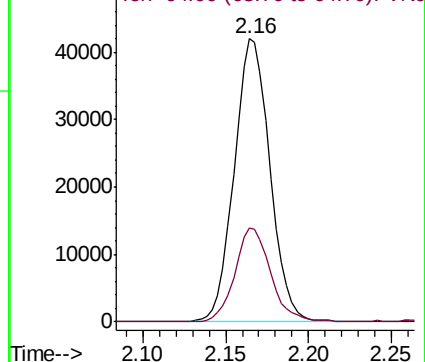
62 100

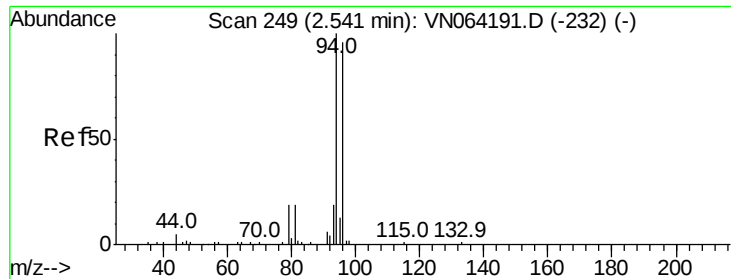
64 33.2 24.4 36.6



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 19.814 ug/l

RT: 2.54 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

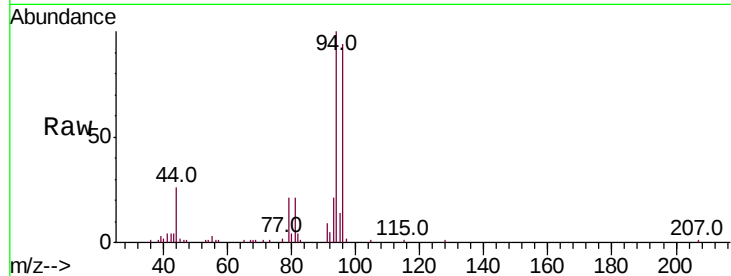
ClientSampleId :

Tot Ion: 94 Resp: 39569

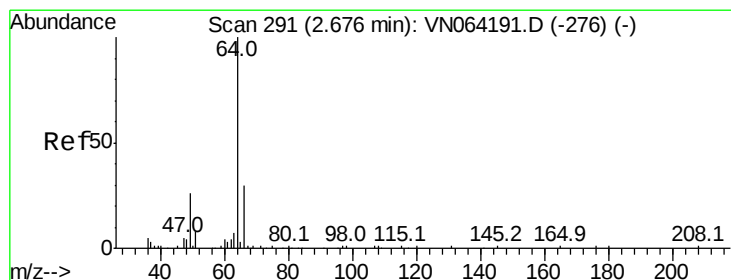
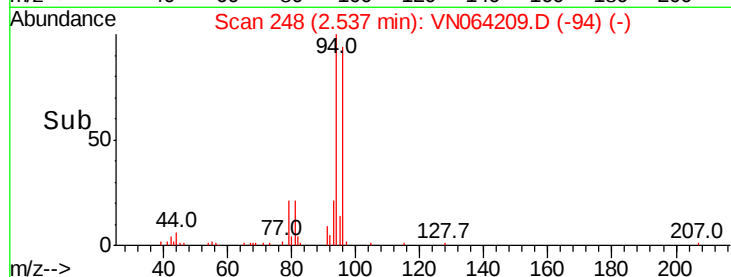
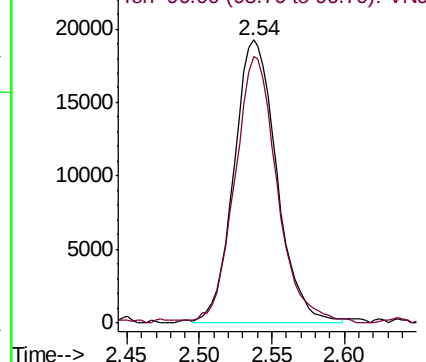
Ion Ratio Lower Upper

94 100

96 94.0 76.6 115.0



Abundance Ion 94.00 (93.70 to 94.70): VN064209.D (-94) (-)



#6

Chloroethane

Concen: 18.971 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN064209.D

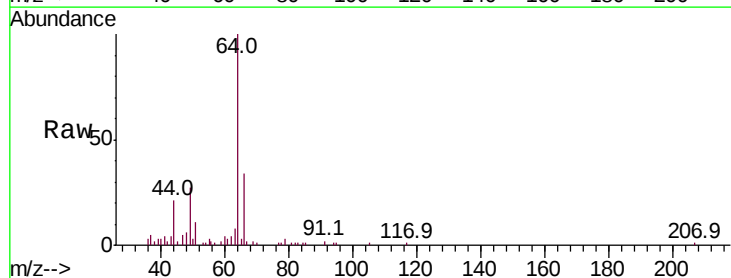
Acq: 20 Oct 2020 20:39

Tgt Ion: 64 Resp: 36884

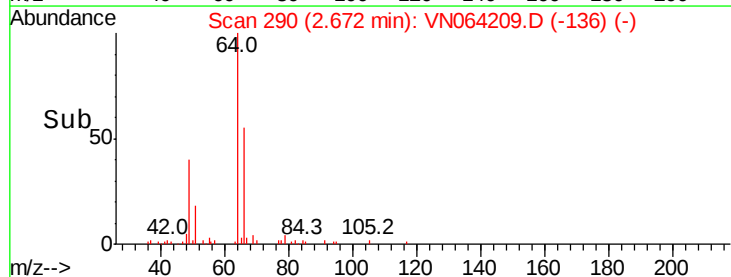
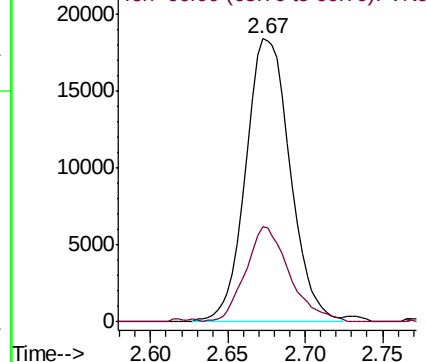
Ion Ratio Lower Upper

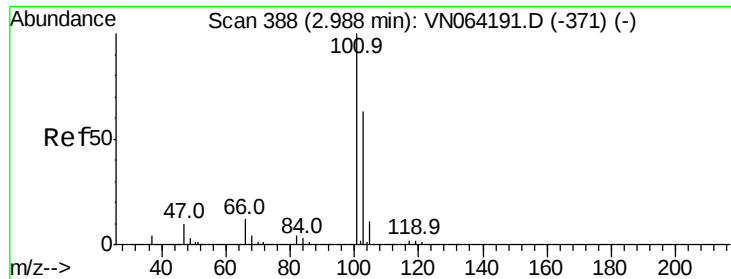
64 100

66 32.6 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VN064209.D (-136) (-)



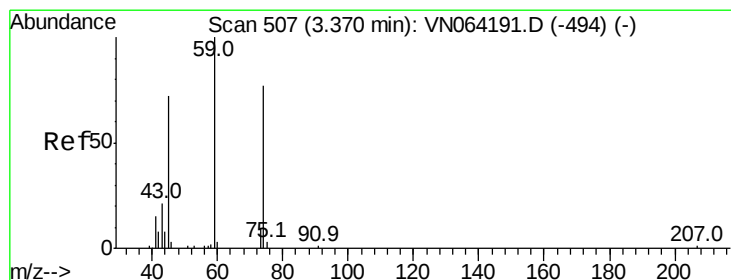
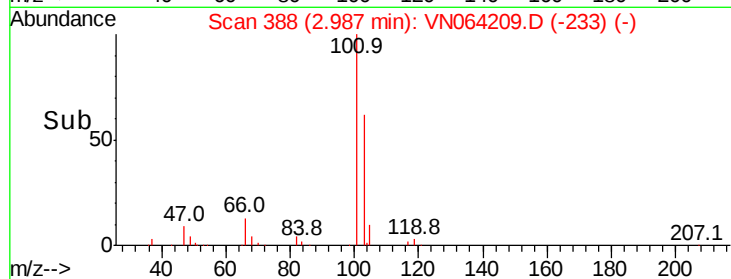
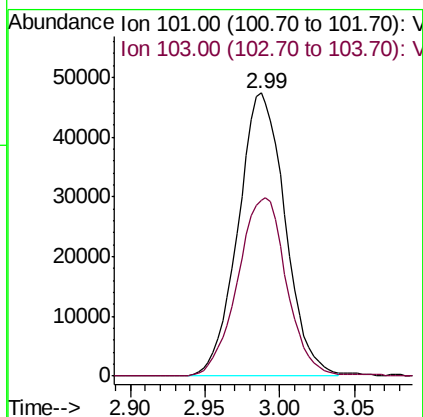
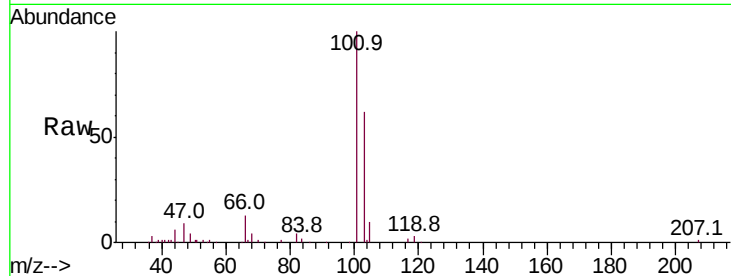


#7

Trichlorofluoromethane
 Concen: 19.323 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Instrument :
 MSVOA_N
 ClientSampleId :

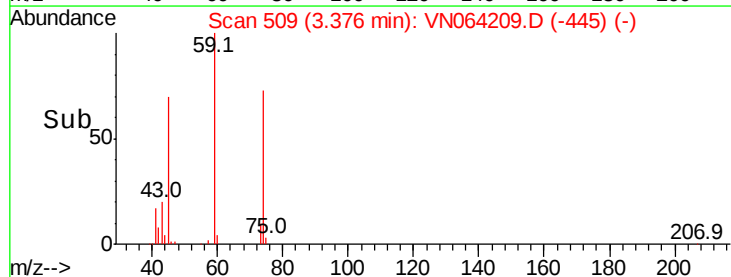
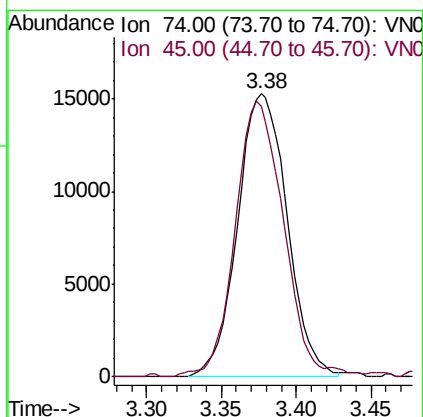
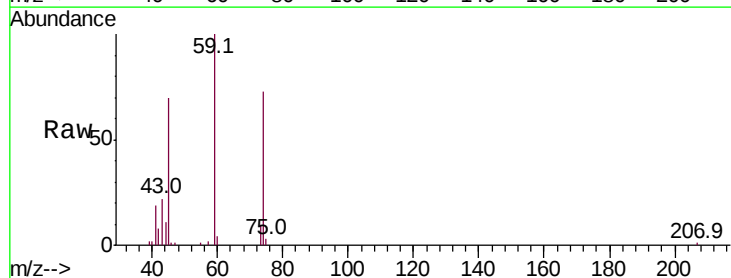
Tot Ion:101 Resp: 103546
 Ion Ratio Lower Upper
 101 100
 103 61.7 50.7 76.1

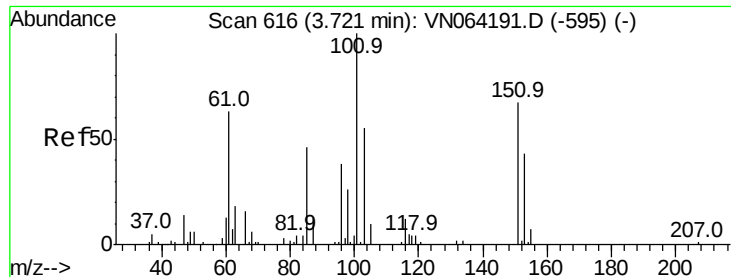


#8

Diethyl Ether
 Concen: 19.331 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Tgt Ion: 74 Resp: 35168
 Ion Ratio Lower Upper
 74 100
 45 93.8 19.5 175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.103 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

ClientSampled :

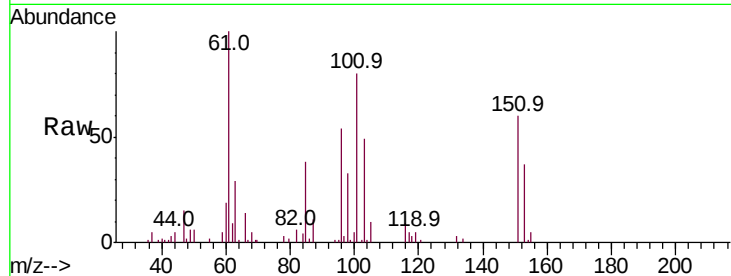
Tot Ion:101 Resp: 51198

Ion Ratio Lower Upper

101 100

85 48.1 0.0 94.0

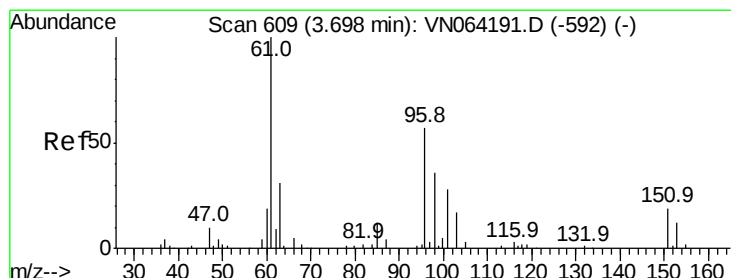
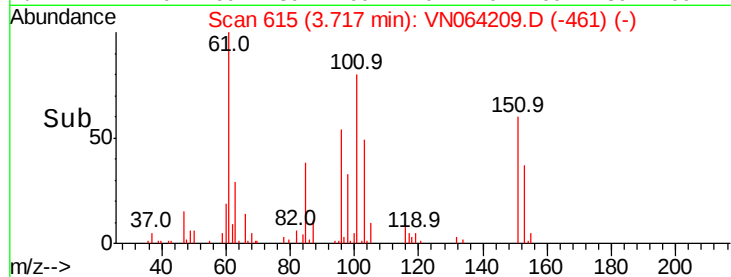
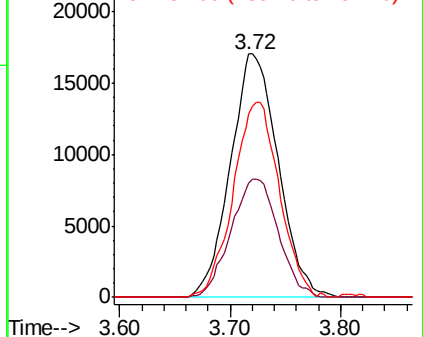
151 77.1 0.0 146.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.719 ug/l

RT: 3.70 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

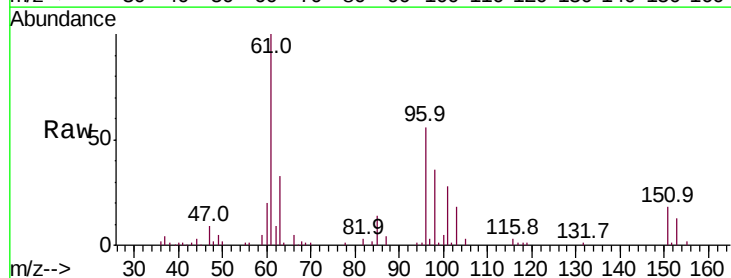
Tgt Ion: 96 Resp: 51545

Ion Ratio Lower Upper

96 100

61 177.8 141.0 211.4

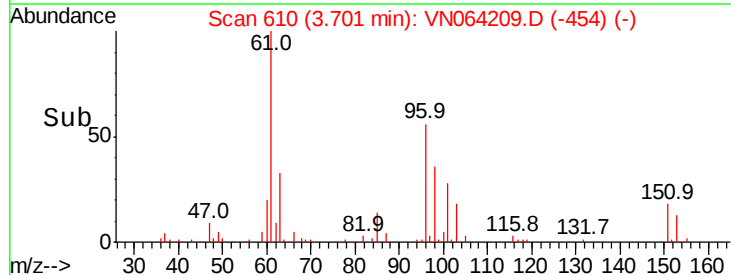
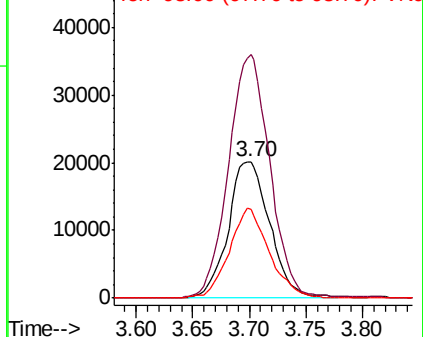
98 65.2 51.4 77.2

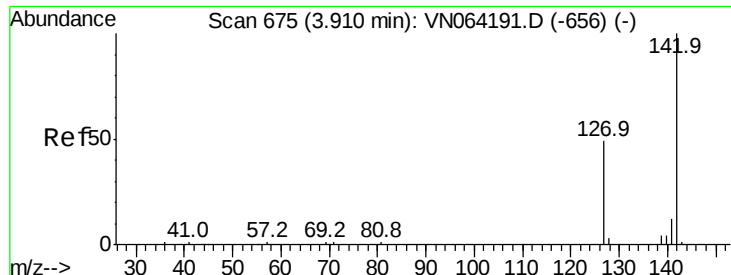


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

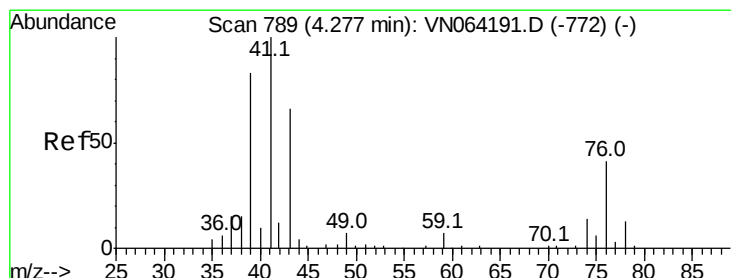
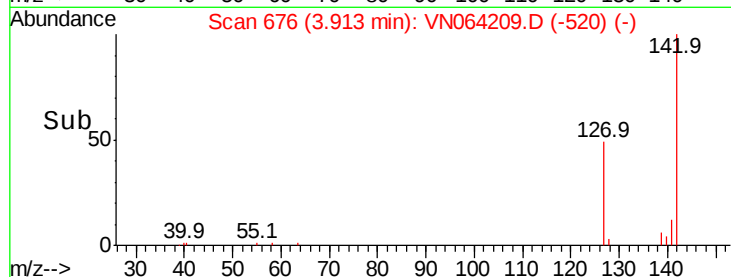
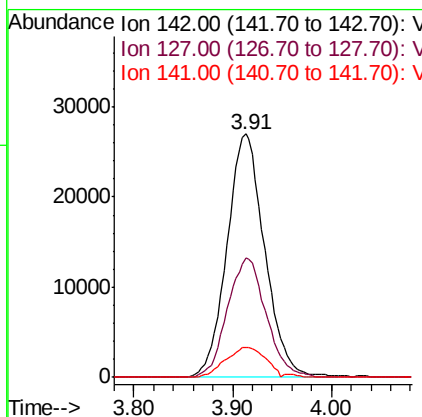
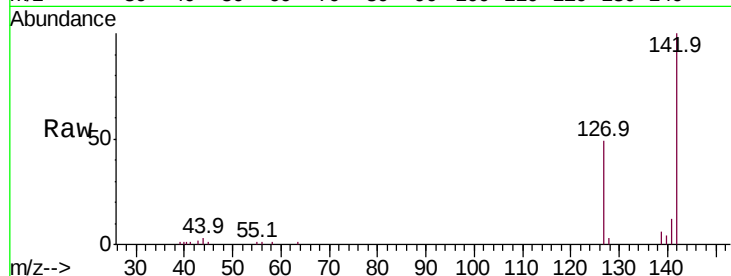




#11
Methvl Iodide
Concen: 18.093 ug/l
RT: 3.91 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

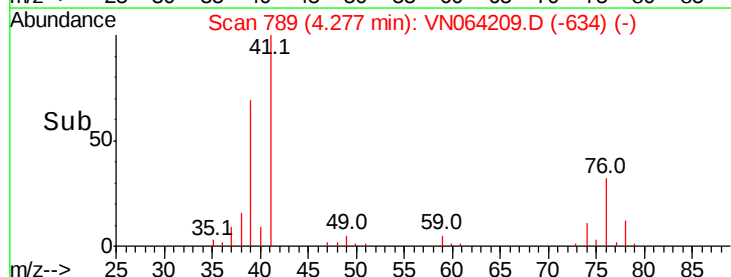
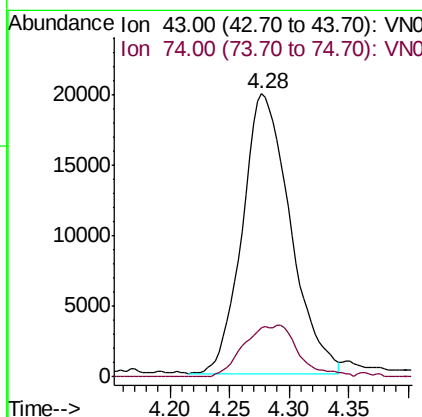
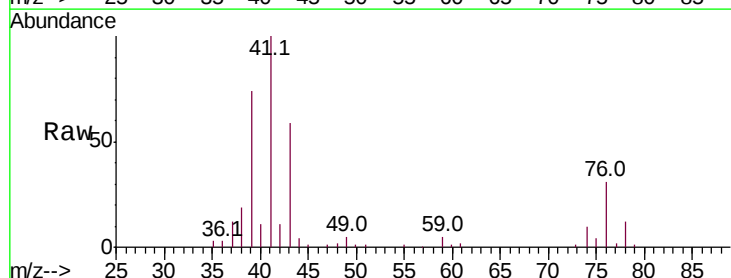
Instrument :
MSVOA_N
ClientSampleId :

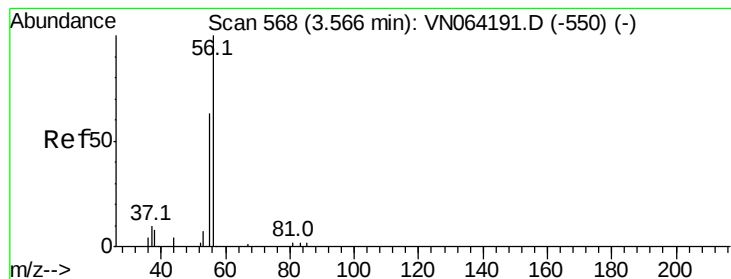
Tot Ion:142 Resp: 71812
Ion Ratio Lower Upper
142 100
127 49.0 24.5 73.5
141 12.4 6.0 18.1



#12
Methyl Acetate
Concen: 19.006 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion: 43 Resp: 55160
Ion Ratio Lower Upper
43 100
74 17.1 16.2 24.2





#13

Acrolein

Concen: 98.588 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

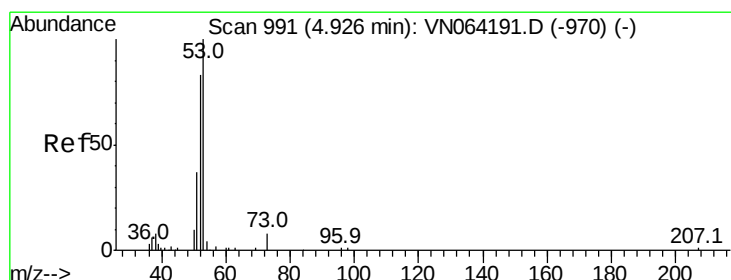
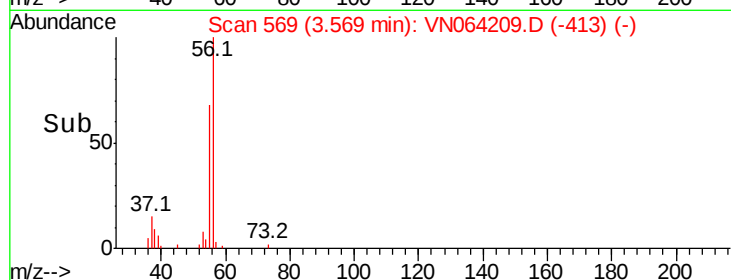
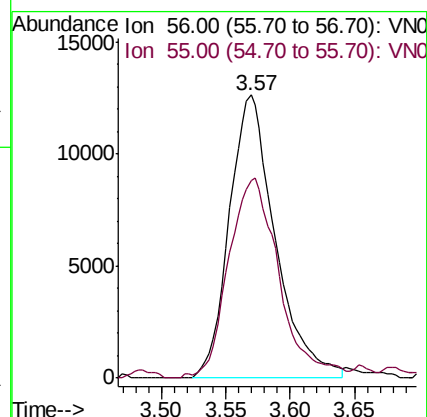
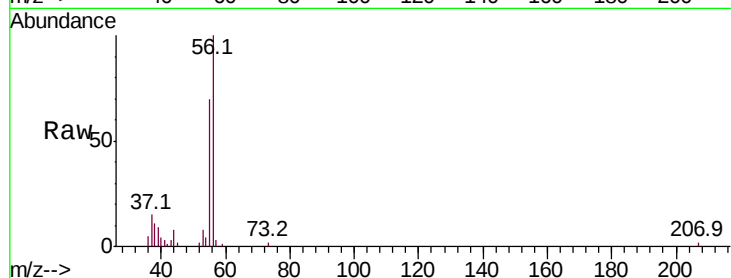
ClientSampleId :

Tot Ion: 56 Resp: 31286

Ion Ratio Lower Upper

56 100

55 76.2 0.5 0.7#



#14

Acrylonitrile

Concen: 94.199 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.01 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

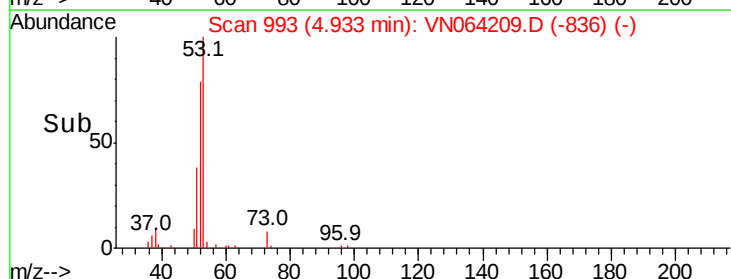
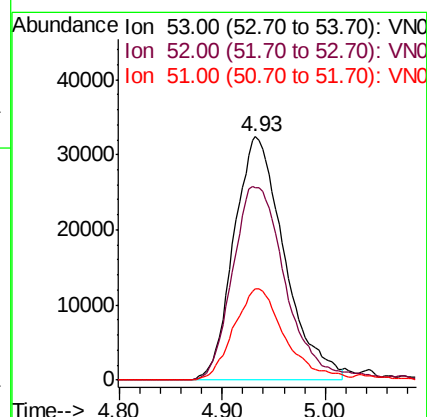
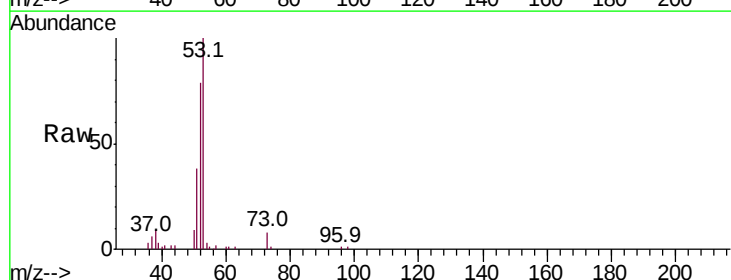
Tgt Ion: 53 Resp: 110170

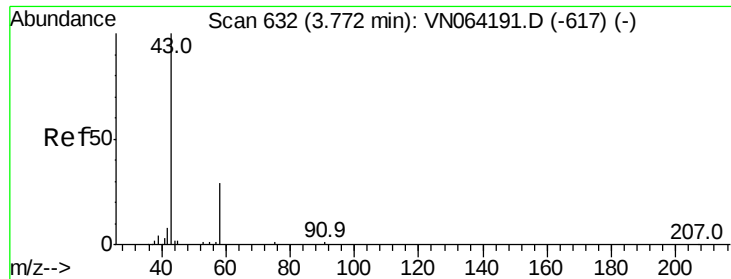
Ion Ratio Lower Upper

53 100

52 84.0 41.3 123.9

51 36.6 18.1 54.1

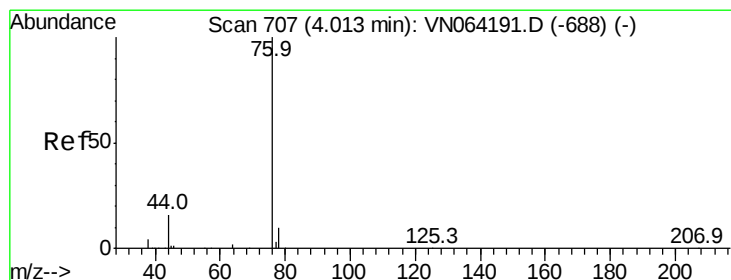
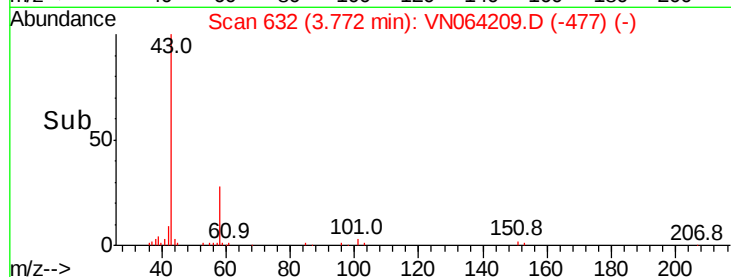
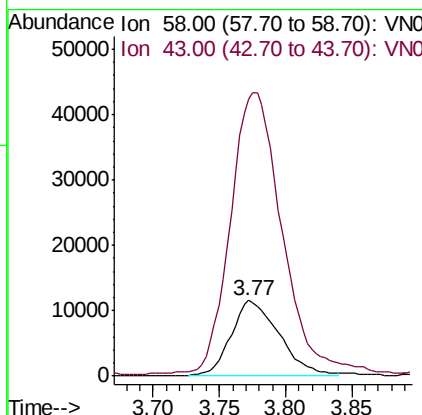
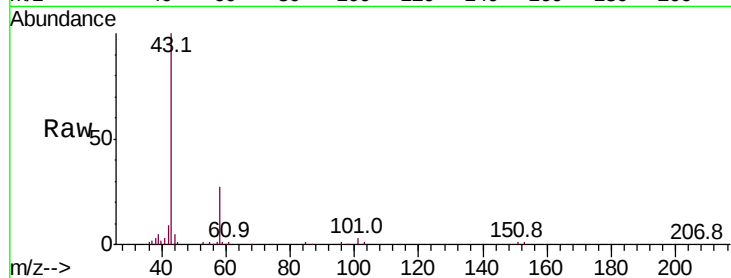




#15
Acetone
Concen: 93.285 ug/l
RT: 3.77 min Scan# 632
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

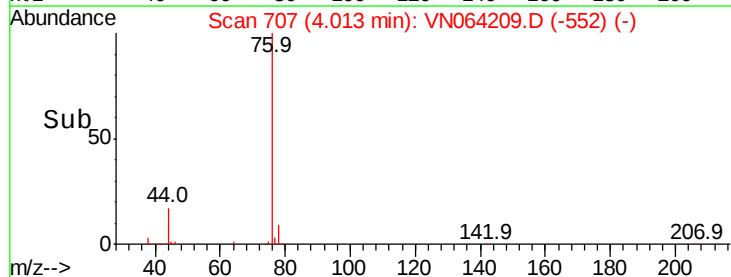
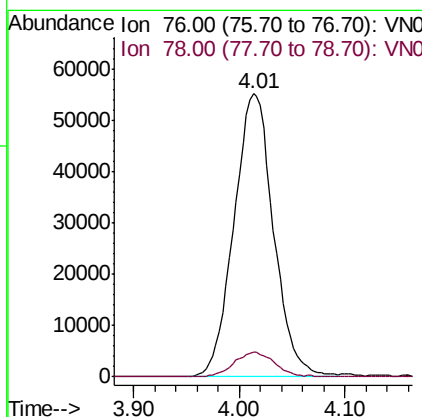
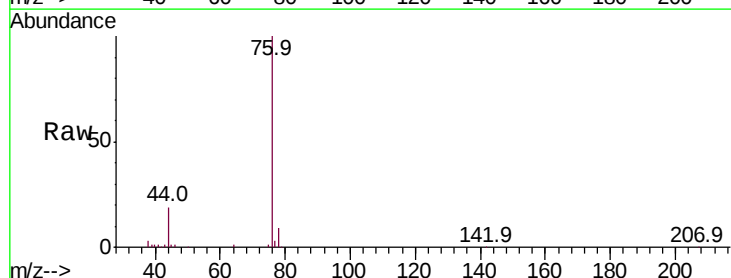
Instrument :
MSVOA_N
ClientSampleId :

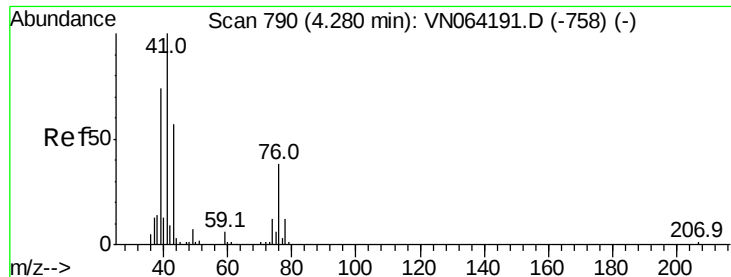
Tot Ion: 58 Resp: 29457
Ion Ratio Lower Upper
58 100
43 360.1 272.1 408.1



#16
Carbon Disulfide
Concen: 18.290 ug/l
RT: 4.01 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion: 76 Resp: 144031
Ion Ratio Lower Upper
76 100
78 8.7 7.7 11.5

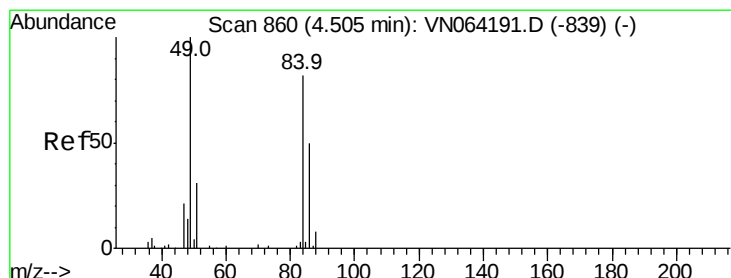
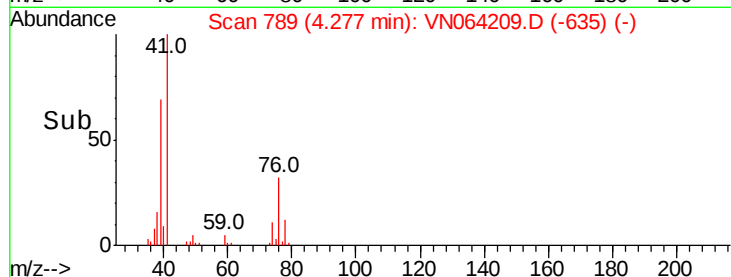
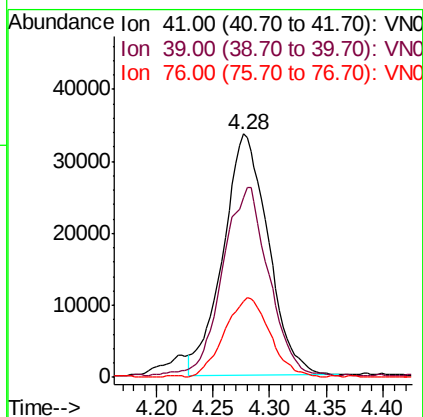
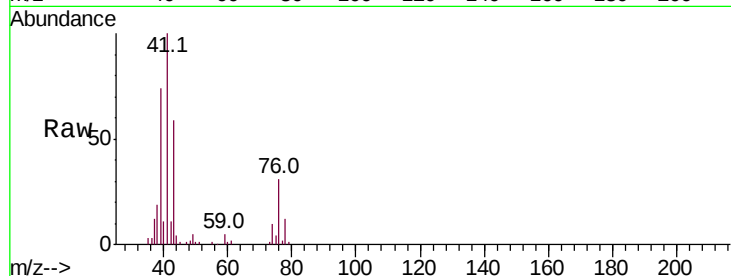




#17
Allvl chloride
Concen: 18.126 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

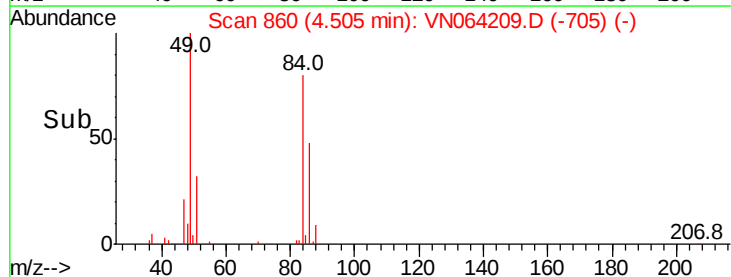
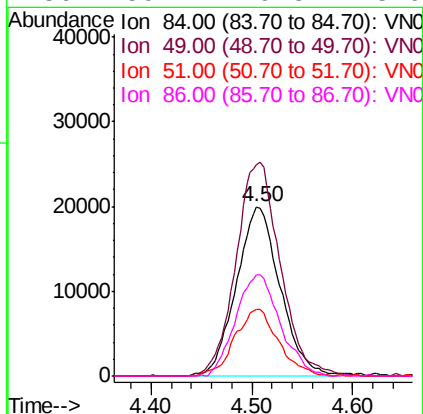
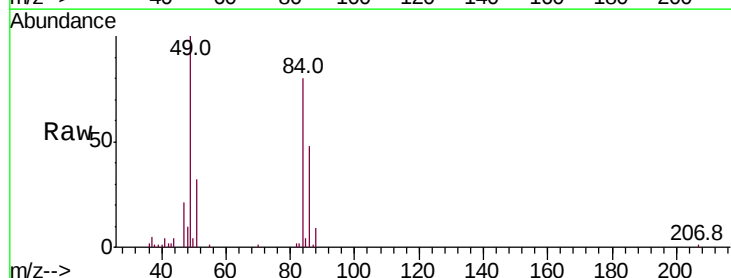
Instrument :
MSVOA_N
ClientSampleId :

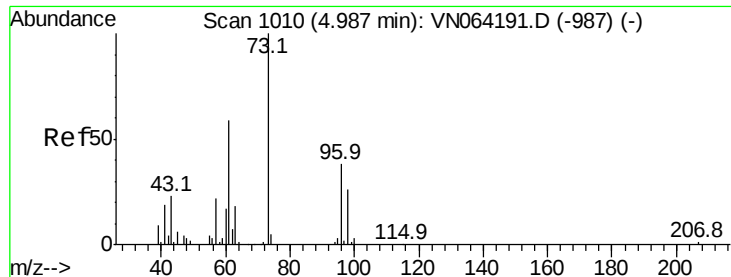
Tot Ion: 41 Resp: 92805
Ion Ratio Lower Upper
41 100
39 73.9 36.8 110.4
76 31.7 18.8 56.4



#18
Methylene Chloride
Concen: 19.063 ug/l
RT: 4.50 min Scan# 860
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion: 84 Resp: 60037
Ion Ratio Lower Upper
84 100
49 124.7 97.6 146.4
51 39.5 31.1 46.7
86 59.4 49.3 73.9

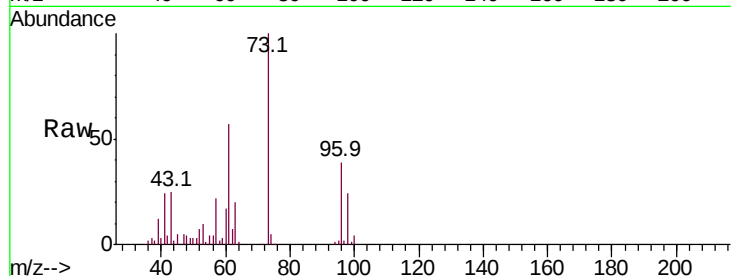




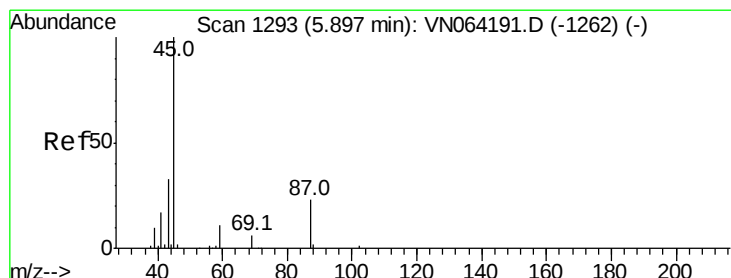
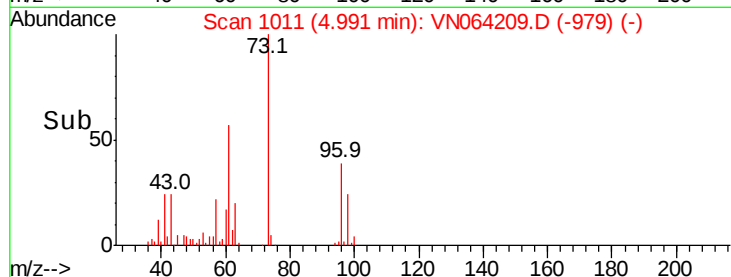
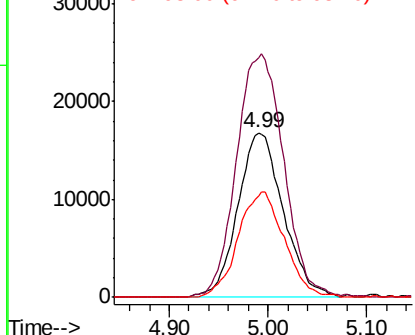
#19
trans-1,2-Dichloroethene
Concen: 18.054 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 53628
Ion Ratio Lower Upper
96 100
61 146.1 125.5 188.3
98 62.0 54.7 82.1

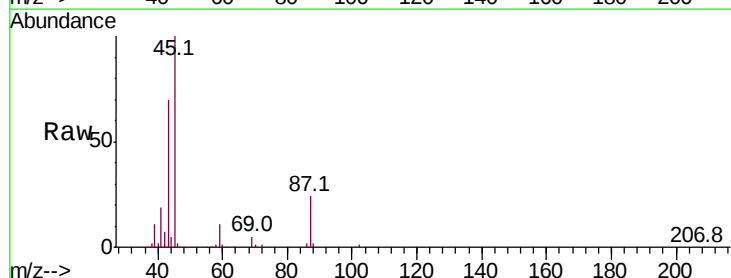


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

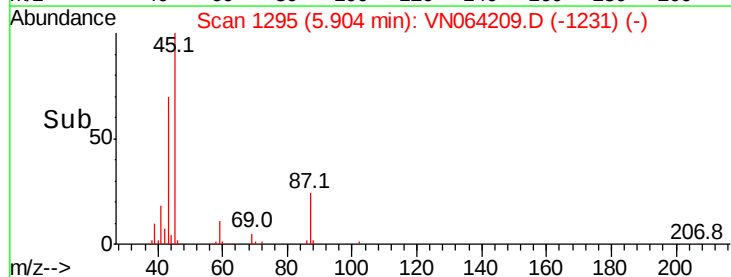
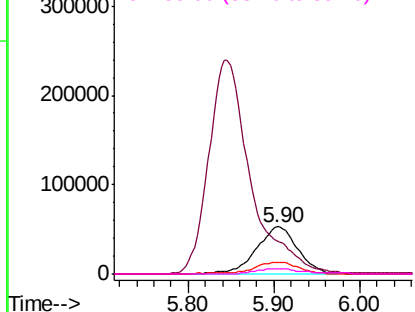


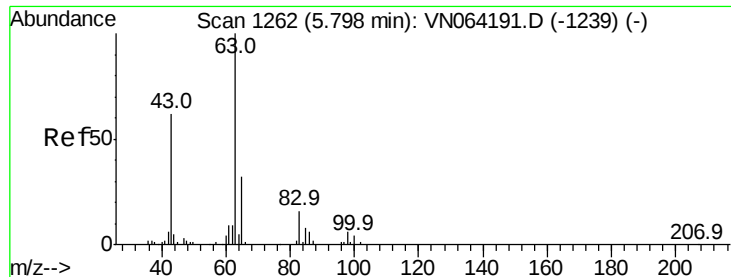
#20
Diisopropyl ether
Concen: 18.714 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion: 45 Resp: 177074
Ion Ratio Lower Upper
45 100
43 65.7 55.1 82.7
87 23.9 19.4 29.2
59 10.8 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: 19.187 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

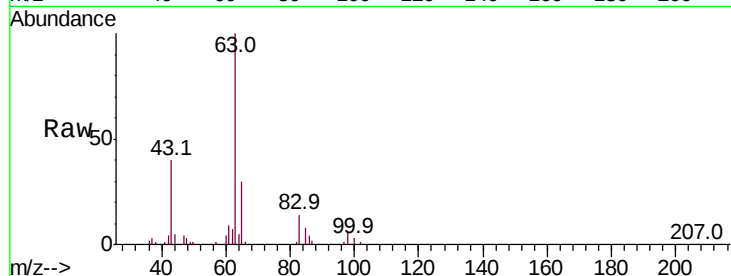
Tot Ion: 63 Resp: 110839

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.7

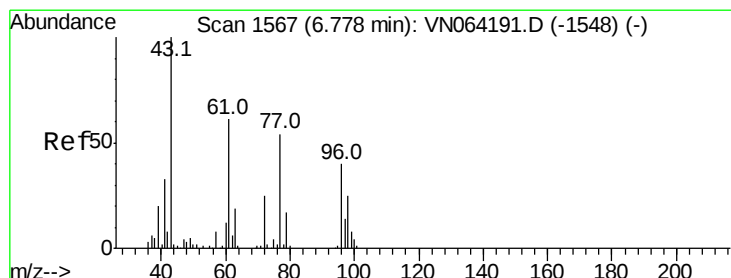
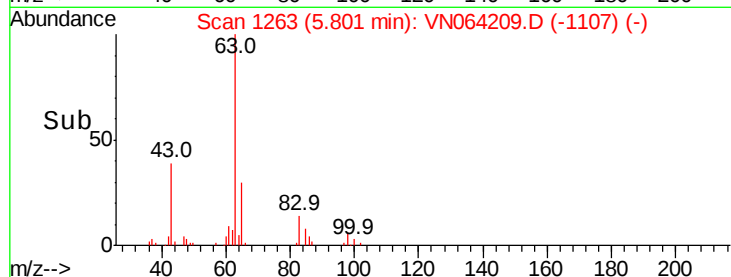
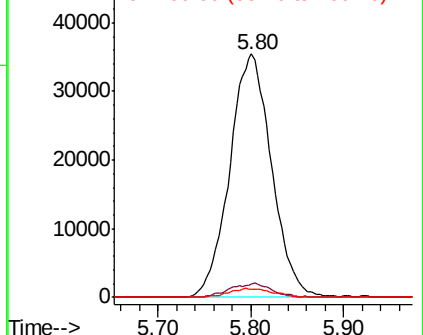
100 3.1 2.1 6.3



Abundance Ion 63.00 (62.70 to 63.70): VN064209.D (-1239) (-)

Ion 98.00 (97.70 to 98.70): VN064209.D (-1239) (-)

Ion 100.00 (99.70 to 100.70): VN064209.D (-1239) (-)



#22

cis-1,2-Dichloroethene

Concen: 17.936 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

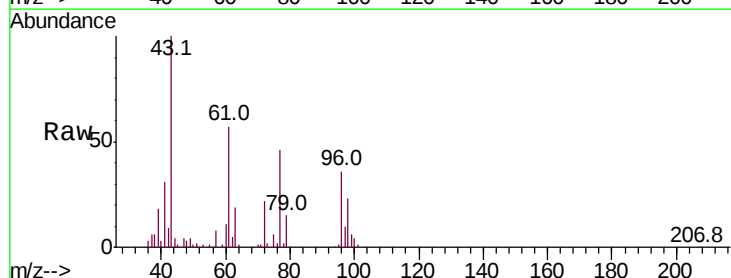
Tgt Ion: 96 Resp: 62280

Ion Ratio Lower Upper

96 100

61 161.7 126.2 189.4

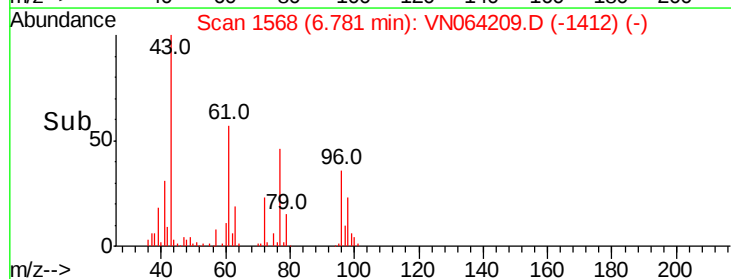
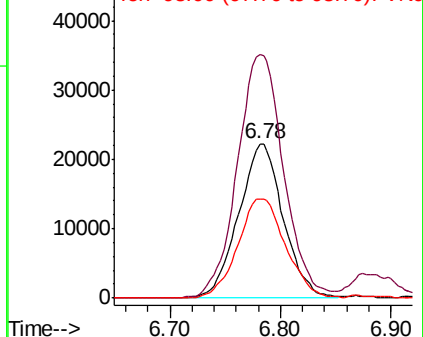
98 68.9 50.2 75.4

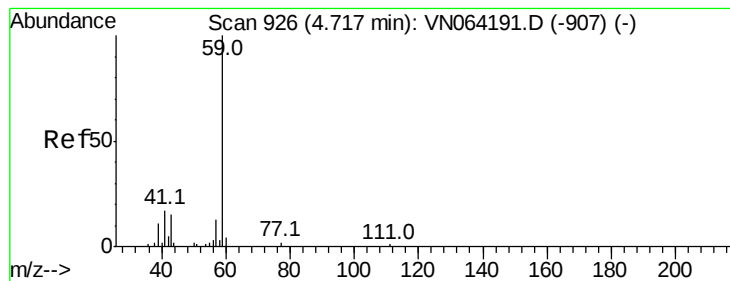


Abundance Ion 96.00 (95.70 to 96.70): VN064209.D (-1548) (-)

Ion 61.00 (60.70 to 61.70): VN064209.D (-1548) (-)

Ion 98.00 (97.70 to 98.70): VN064209.D (-1548) (-)





#23

tert-Butyl Alcohol

Concen: 98.548 ug/l

RT: 4.73 min Scan# 930

Delta R.T. 0.01 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

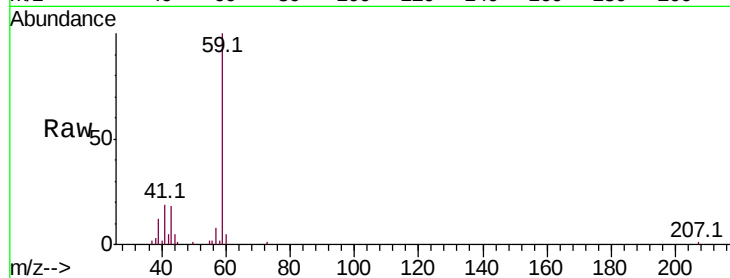
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 59 Resp: 53308

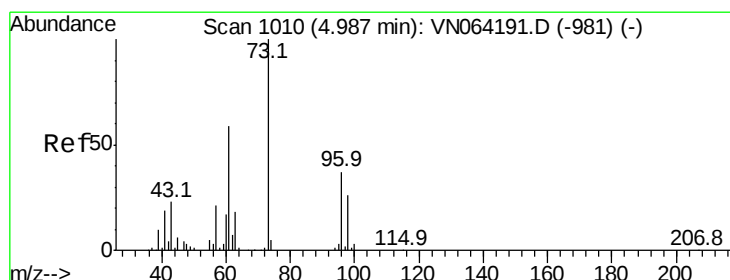
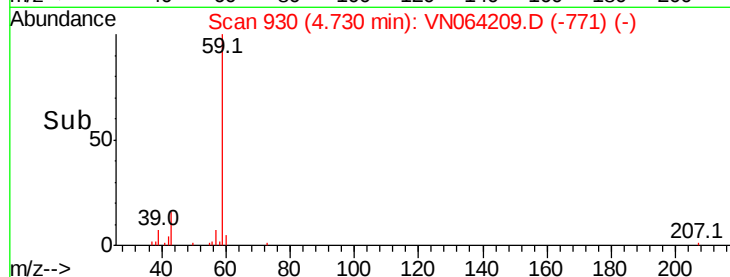
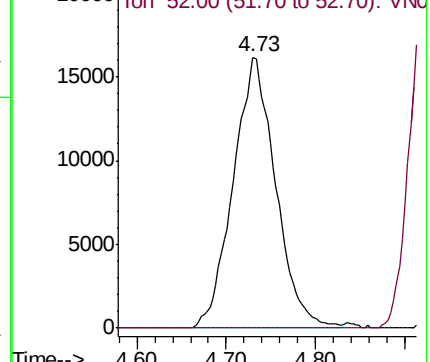
Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN064191.D (-907) (-)



#24

Methyl tert-Butyl Ether

Concen: 18.720 ug/l

RT: 5.00 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VN064209.D

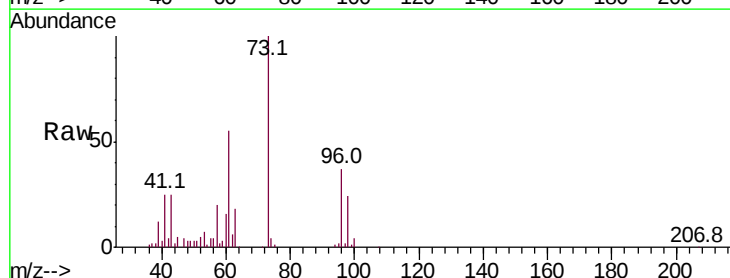
Acq: 20 Oct 2020 20:39

Tgt Ion: 73 Resp: 170334

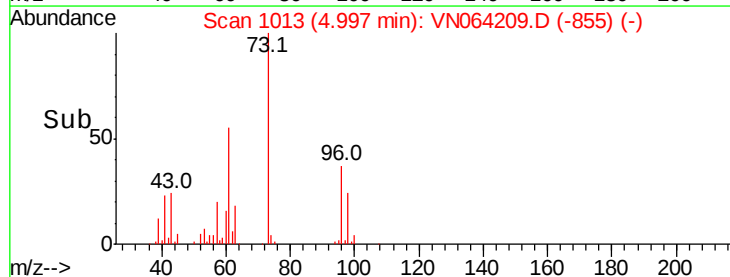
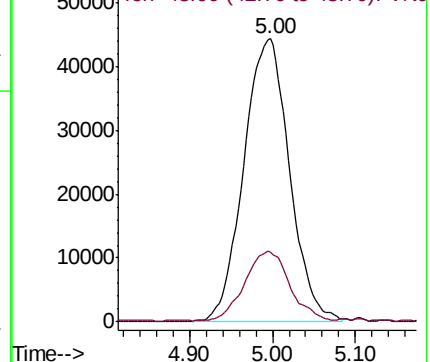
Ion Ratio Lower Upper

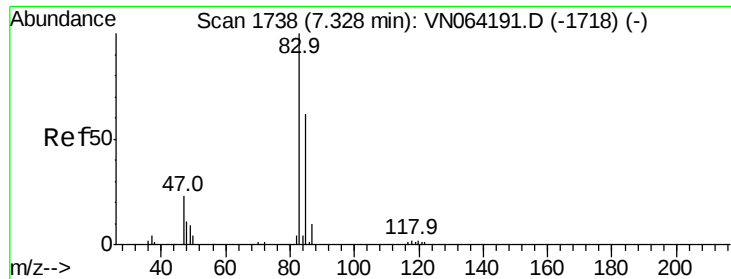
73 100

43 24.1 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VN064191.D (-981) (-)





#25

Chloroform

Concen: 18.629 ug/l

RT: 7.33 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

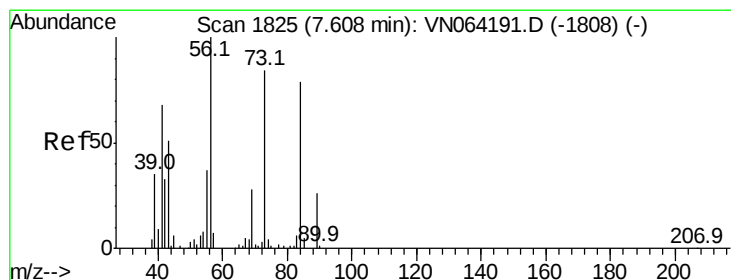
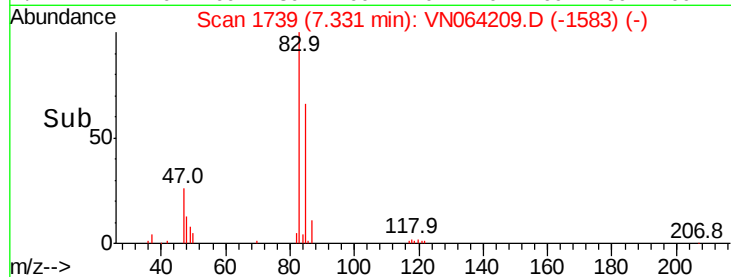
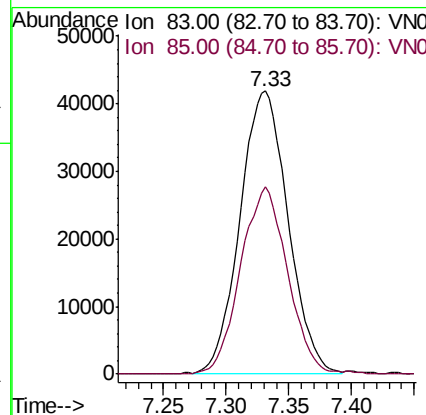
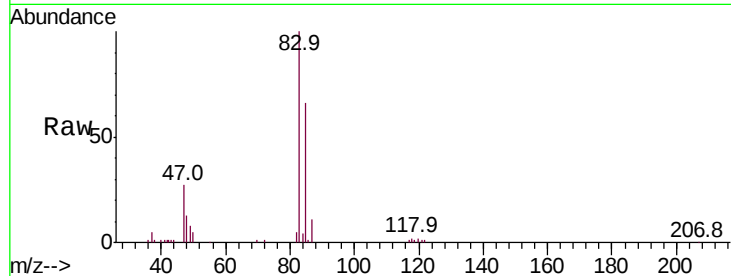
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 111814

Ion Ratio Lower Upper

83 100

85 66.3 49.7 74.5



#26

Cyclohexane

Concen: 18.259 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

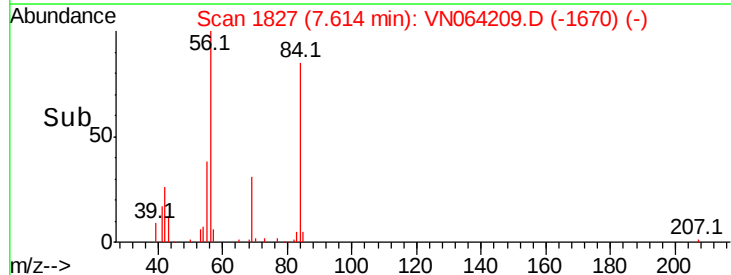
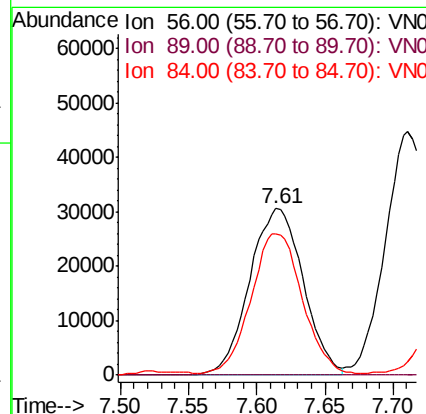
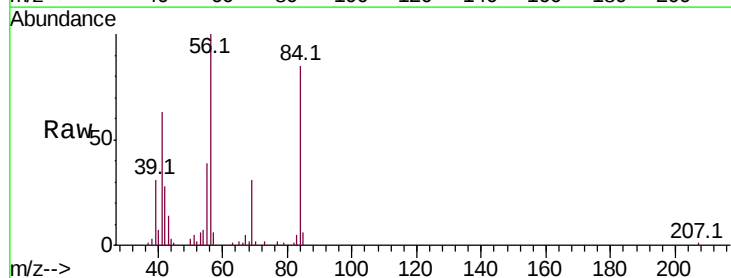
Tgt Ion: 56 Resp: 83630

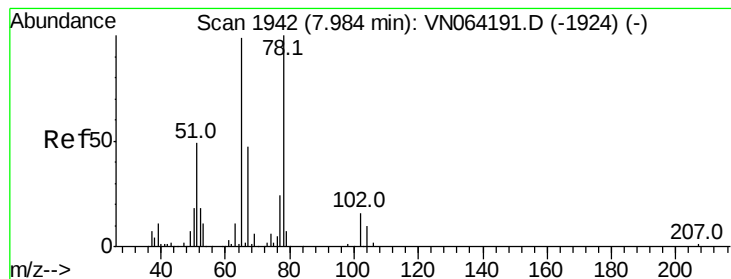
Ion Ratio Lower Upper

56 100

89 0.1 21.4 32.0#

84 82.0 65.8 98.6





#27

1,2-Dichloroethane-d4

Concen: 32.836 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

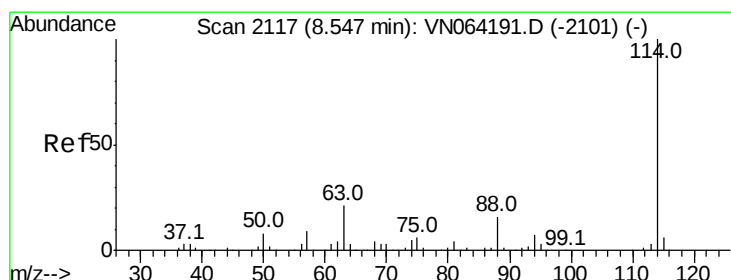
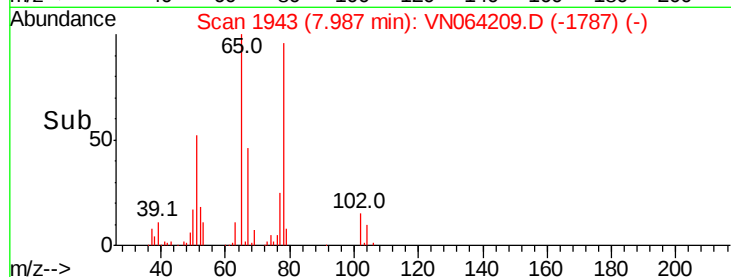
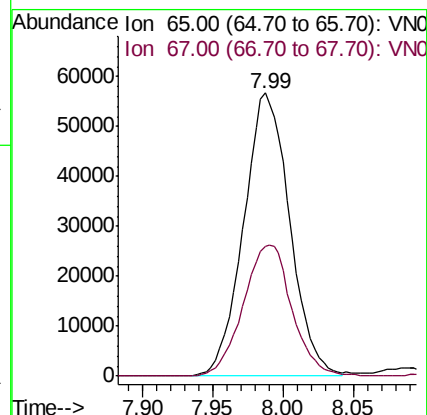
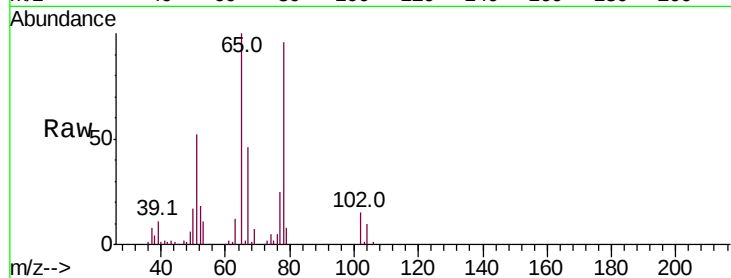
ClientSampleId :

Tot Ion: 65 Resp: 129734

Ion Ratio Lower Upper

65 100

67 48.9 39.8 59.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

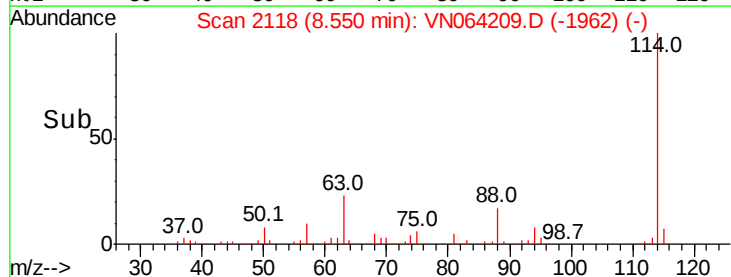
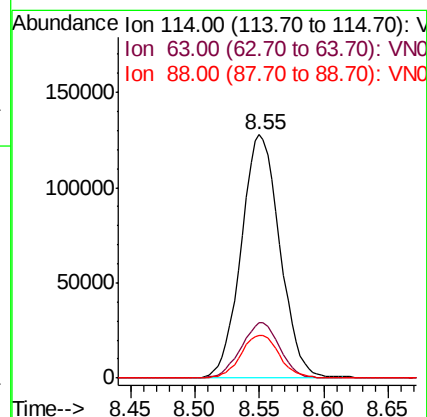
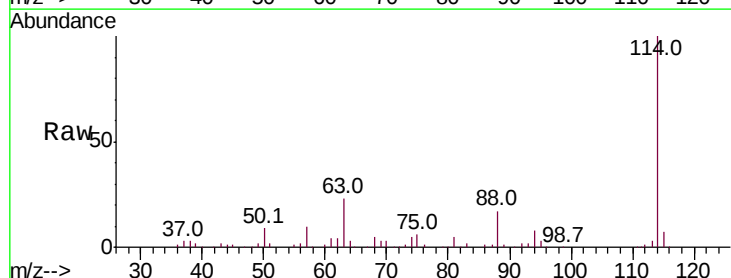
Tgt Ion: 114 Resp: 266740

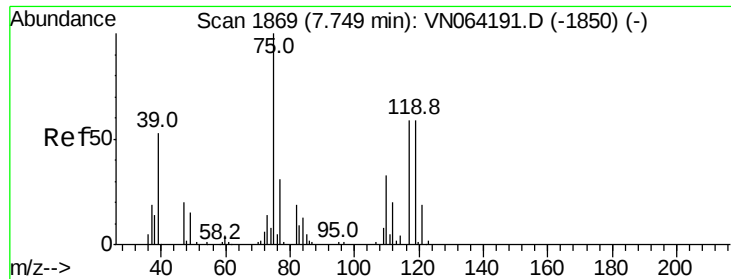
Ion Ratio Lower Upper

114 100

63 22.8 17.0 25.4

88 17.4 13.0 19.4





#29

1,1-Dichloropropene

Concen: 18.417 ug/l

RT: 7.75 min Scan# 1870

Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

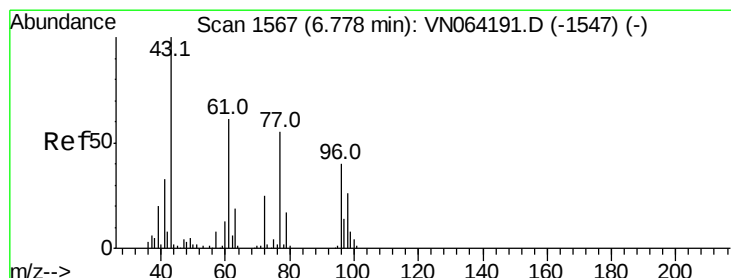
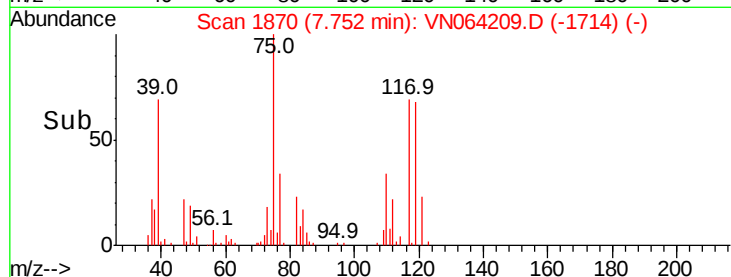
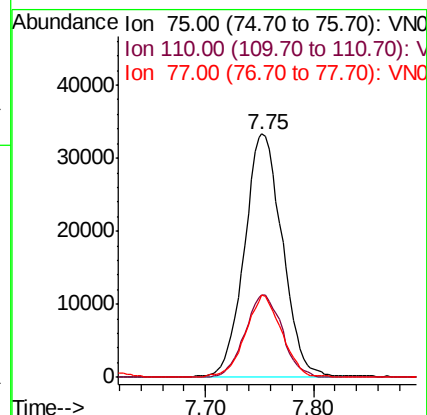
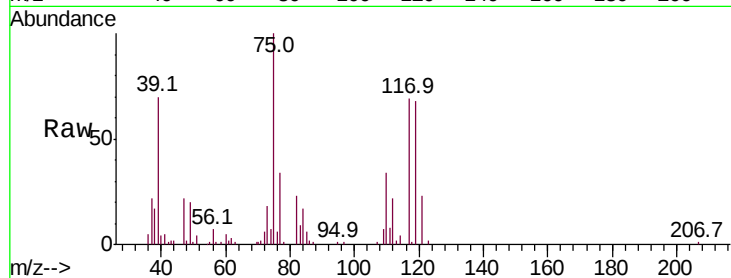
Tot Ion: 75 Resp: 81586

Ion Ratio Lower Upper

75 100

110 33.1 0.0 66.8

77 31.9 0.0 63.6



#30

2-Butanone

Concen: 96.271 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

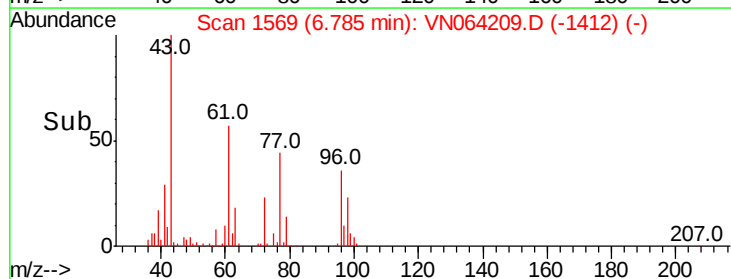
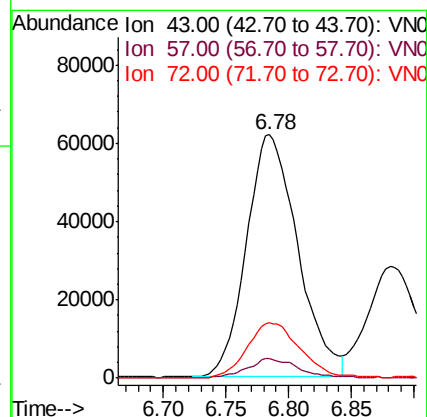
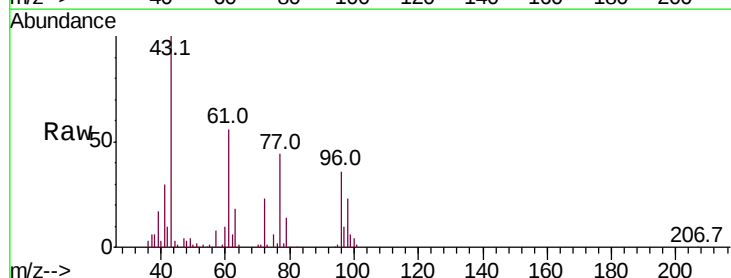
Tgt Ion: 43 Resp: 175862

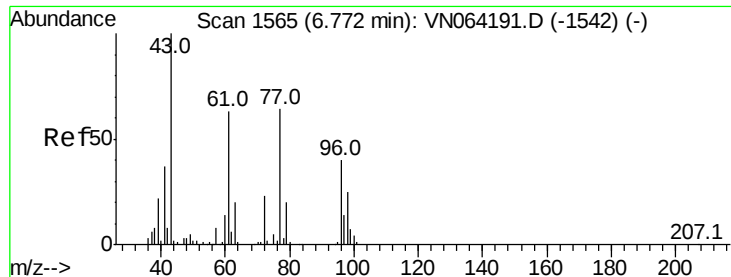
Ion Ratio Lower Upper

43 100

57 8.0 5.8 8.6

72 23.7 19.8 29.8

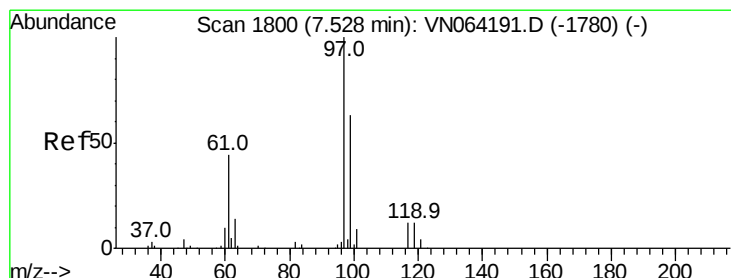
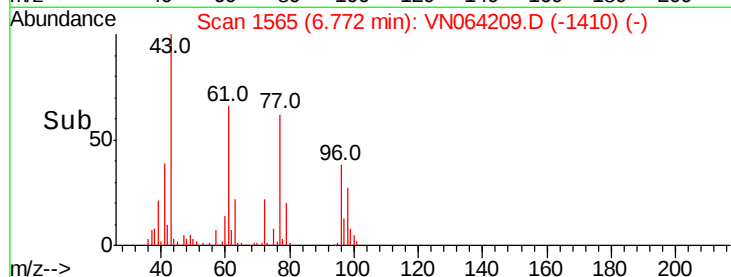
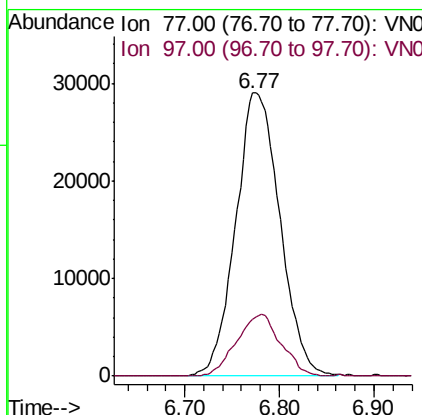
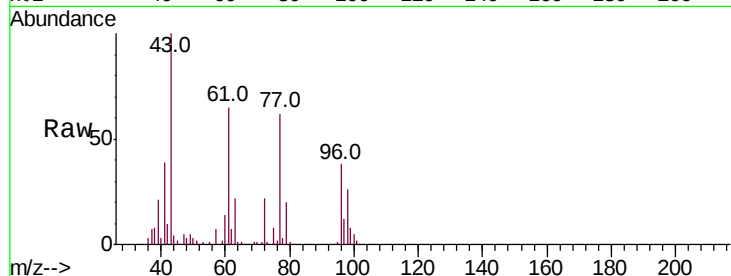




#31
 2,2-Dichloropropane
 Concen: 16.764 ug/l
 RT: 6.77 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

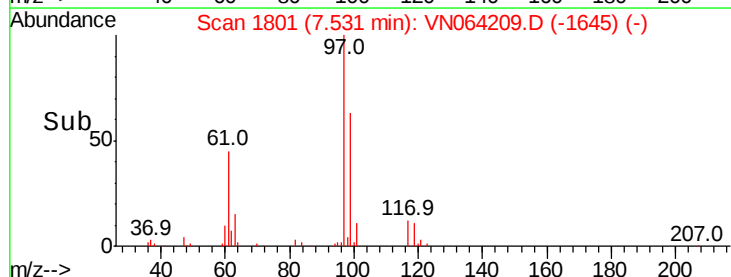
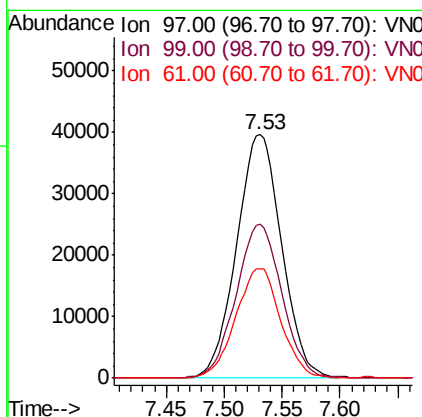
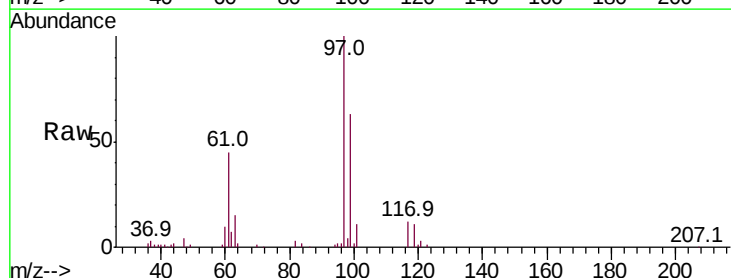
Instrument :
 MSVOA_N
 ClientSampleId :

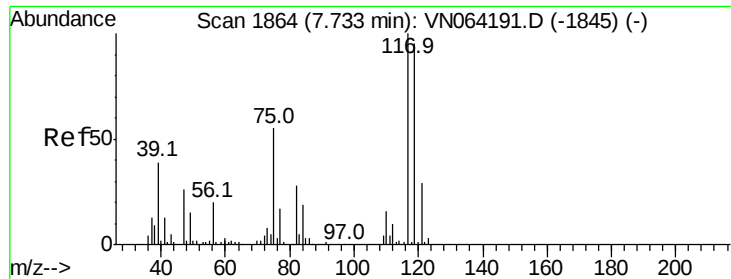
Tot Ion: 77 Resp: 94278
 Ion Ratio Lower Upper
 77 100
 97 21.7 17.3 25.9



#32
 1,1,1-Trichloroethane
 Concen: 18.992 ug/l
 RT: 7.53 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Tgt Ion: 97 Resp: 107195
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.3 76.9
 61 44.8 34.8 52.2

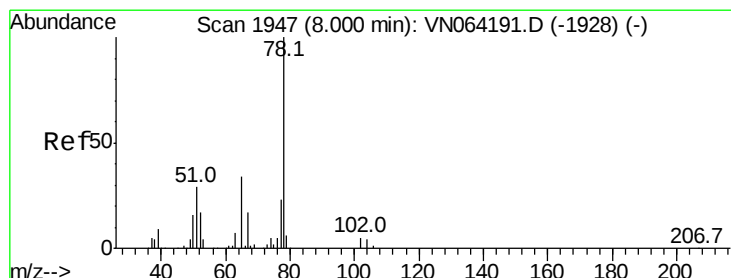
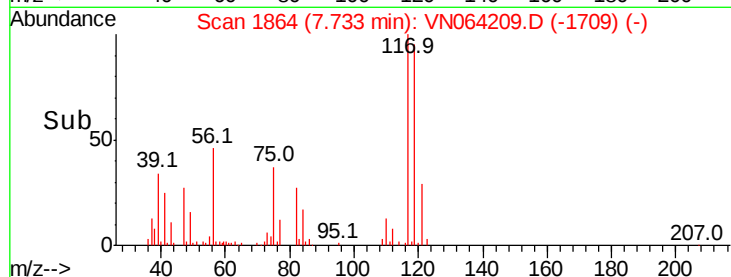
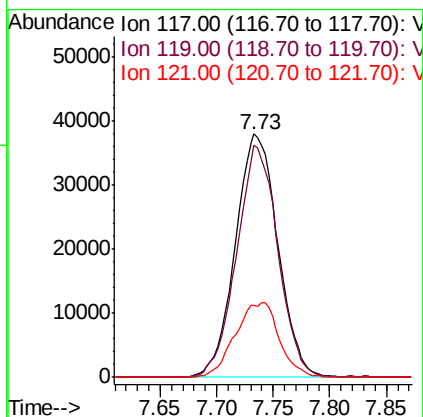
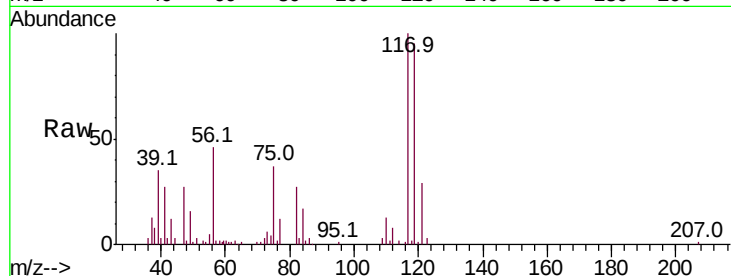




#33
Carbon Tetrachloride
Concen: 19.282 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

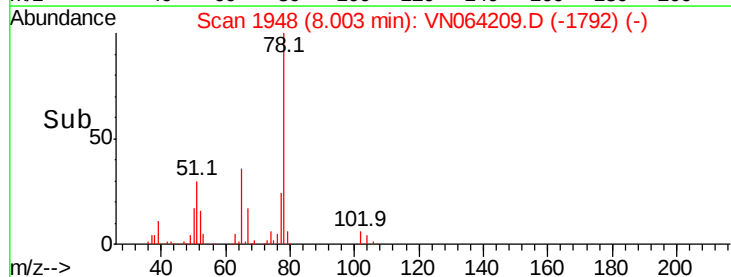
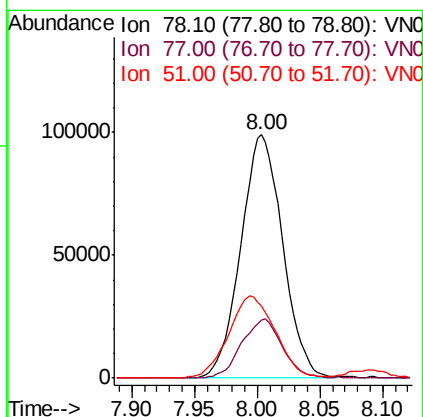
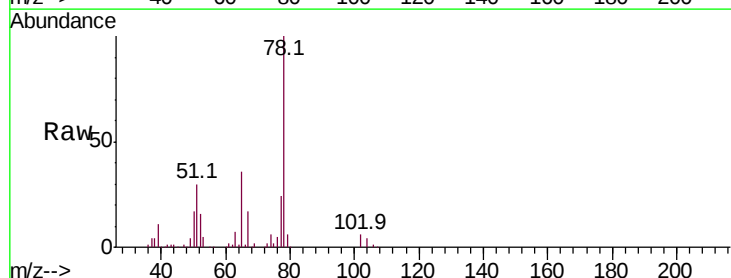
Instrument :
MSVOA_N
ClientSampled :

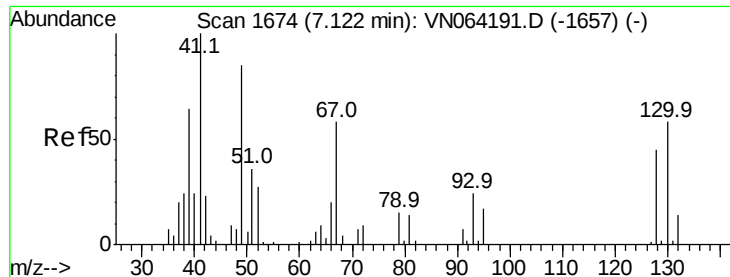
Tot Ion:117 Resp: 99220
Ion Ratio Lower Upper
117 100
119 95.1 76.0 114.0
121 29.4 23.0 34.6



#34
Benzene
Concen: 18.672 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion: 78 Resp: 230329
Ion Ratio Lower Upper
78 100
77 24.1 18.4 27.6
51 29.0 23.0 34.6

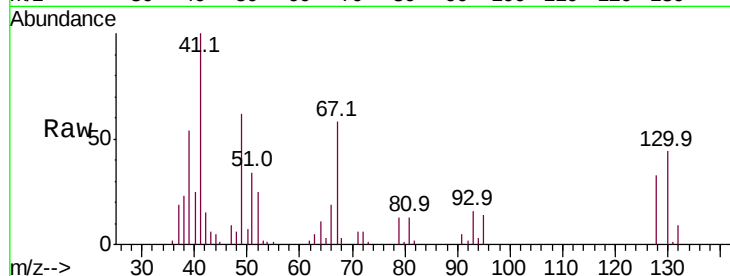




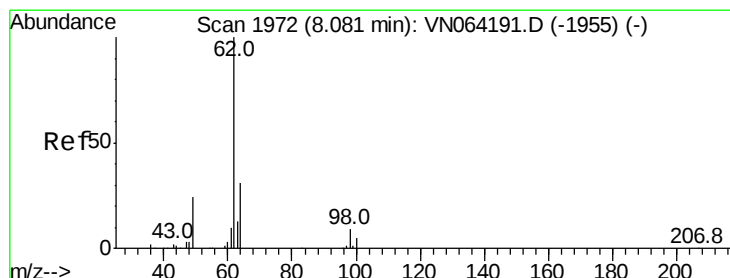
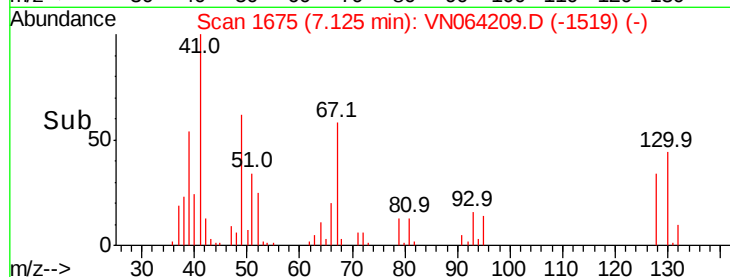
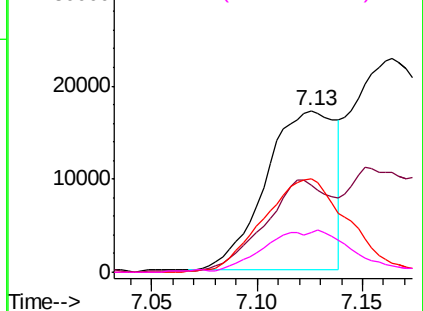
#35
Methacrylonitrile
Concen: 19.609 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 39292
Ion Ratio Lower Upper
41 100
39 54.0 32.1 96.3
67 57.8 28.9 86.8
52 24.2 13.4 40.2

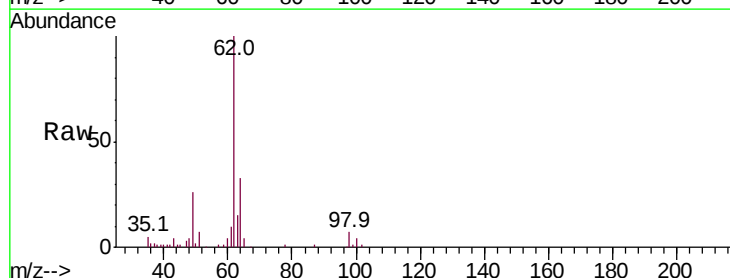


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

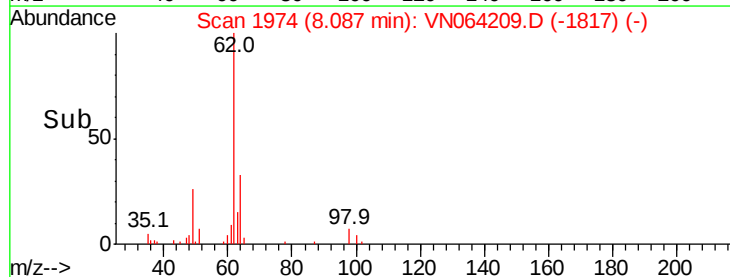
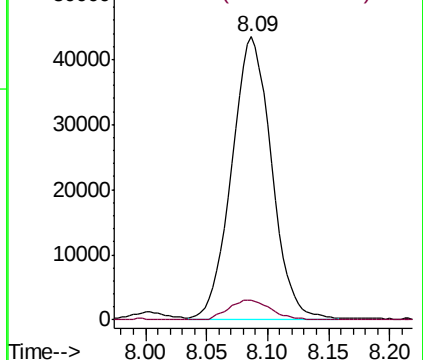


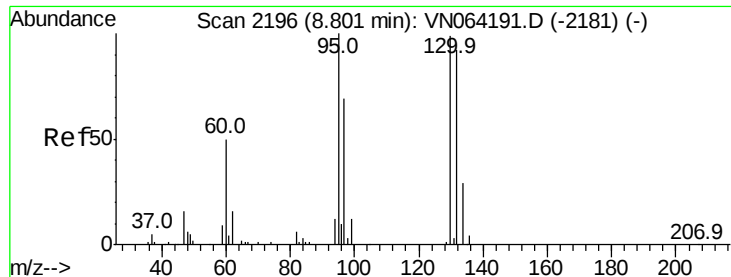
#36
1,2-Dichloroethane
Concen: 19.827 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.01 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion: 62 Resp: 98920
Ion Ratio Lower Upper
62 100
98 7.4 6.3 9.5



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

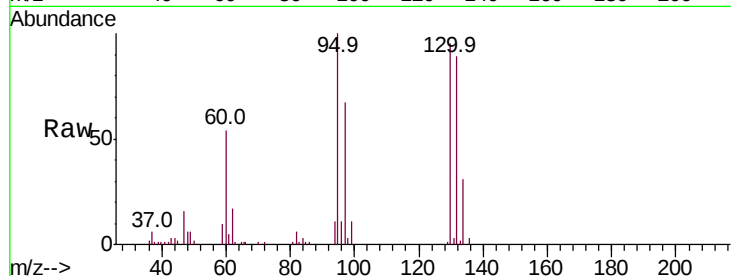




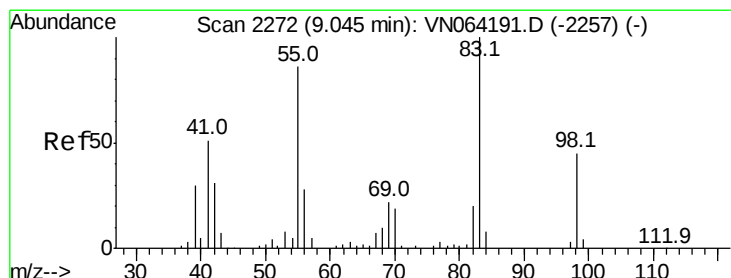
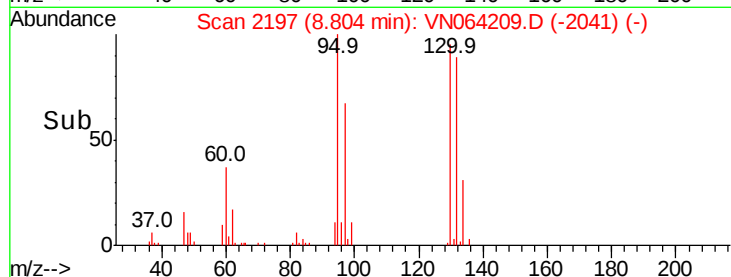
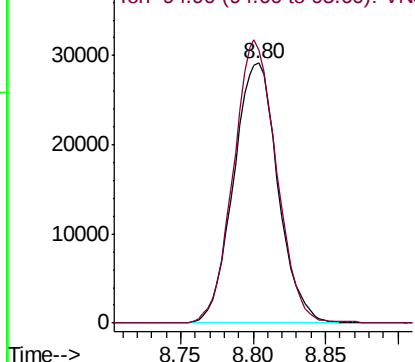
#37
 Trichloroethene
 Concen: 18.278 ug/l
 RT: 8.80 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:130 Resp: 62080
 Ion Ratio Lower Upper
 130 100
 95 105.2 81.0 121.4

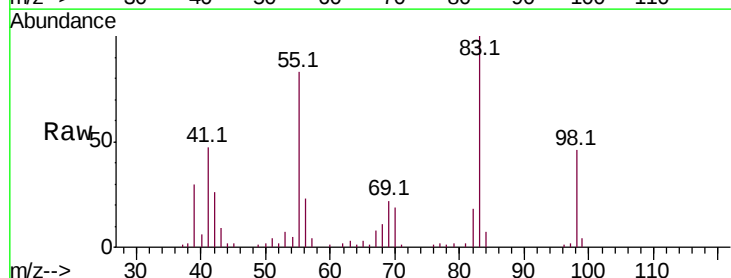


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

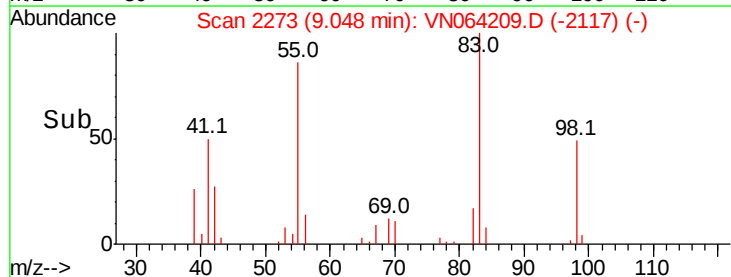
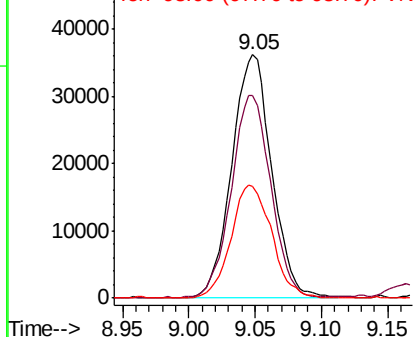


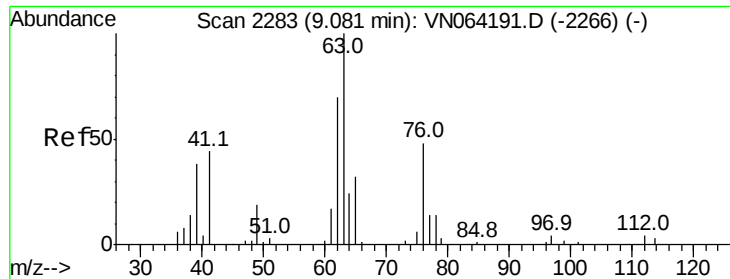
#38
 Methylcyclohexane
 Concen: 17.921 ug/l
 RT: 9.05 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Tgt Ion: 83 Resp: 75927
 Ion Ratio Lower Upper
 83 100
 55 82.6 40.3 120.9
 98 47.0 22.4 67.0



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





#39

1,2-Dichloropropane

Concen: 18.851 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

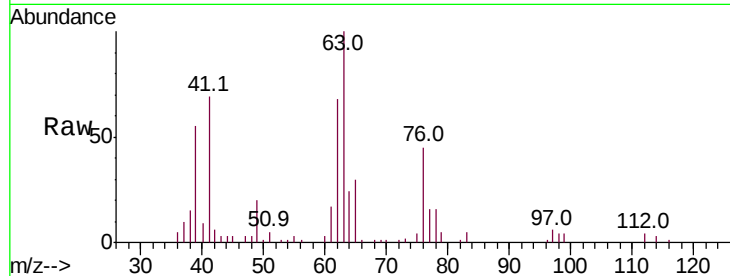
ClientSampleId :

Tot Ion: 63 Resp: 62056

Ion Ratio Lower Upper

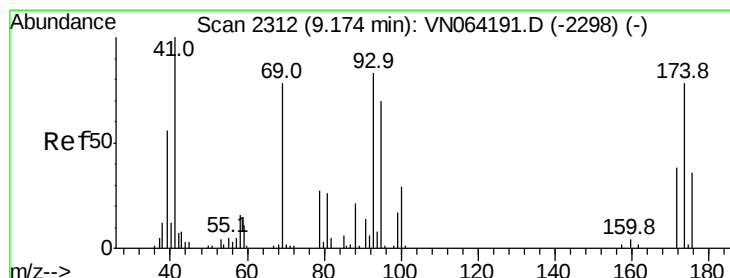
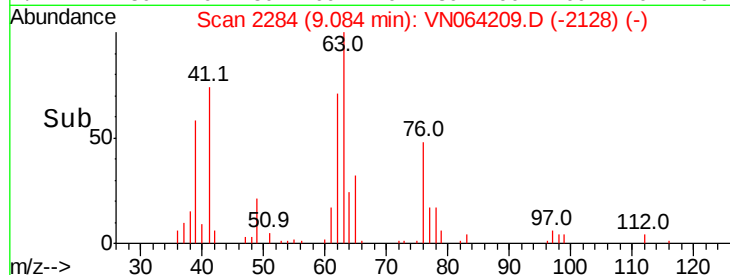
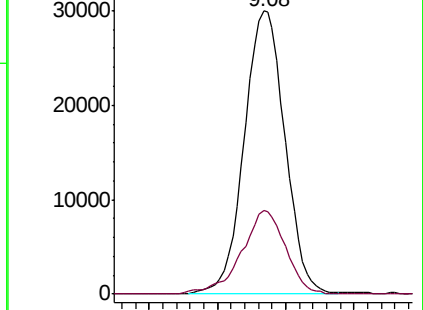
63 100

65 29.6 26.5 39.7



Abundance Ion 63.00 (62.70 to 63.70): VN064209.D (-2266) (-)

Ion 65.00 (64.70 to 65.70): VN064209.D (-2266) (-)



#40

Dibromomethane

Concen: 18.974 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

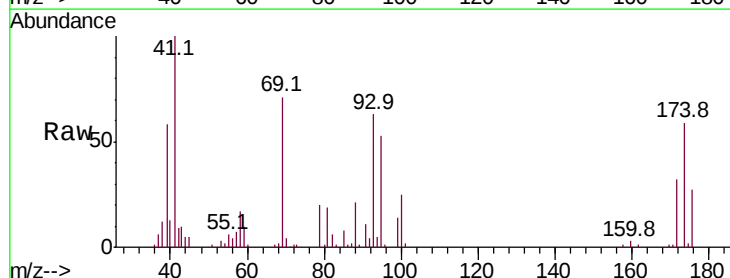
Tgt Ion: 93 Resp: 43460

Ion Ratio Lower Upper

93 100

95 80.4 0.0 169.2

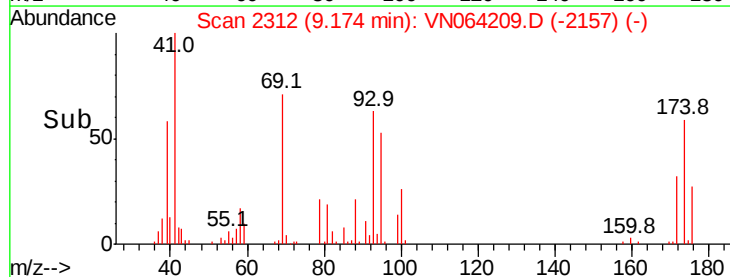
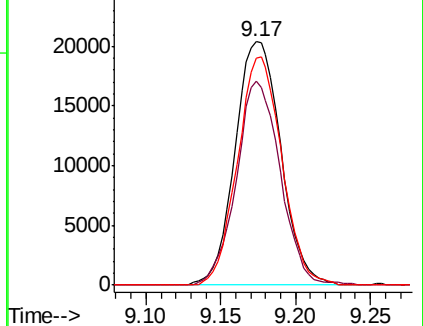
174 90.4 0.0 187.4

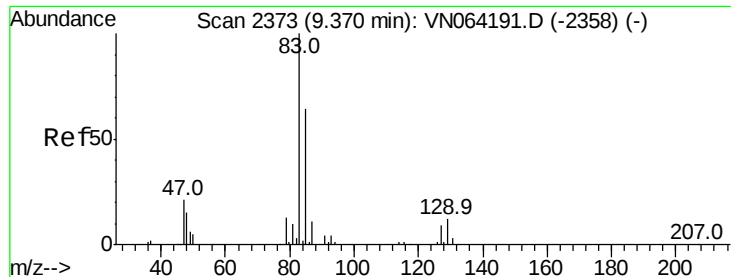


Abundance Ion 93.00 (92.70 to 93.70): VN064209.D (-2298) (-)

Ion 95.00 (94.70 to 95.70): VN064209.D (-2298) (-)

Ion 174.00 (173.70 to 174.70): VN064209.D (-2298) (-)





#41

Bromodichloromethane

Concen: 19.478 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

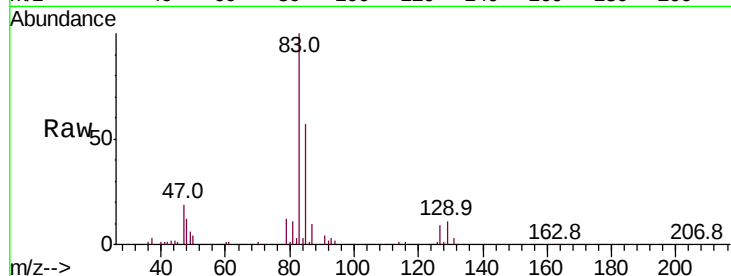
Tot Ion: 83 Resp: 96554

Ion Ratio Lower Upper

83 100

85 57.3 51.5 77.3

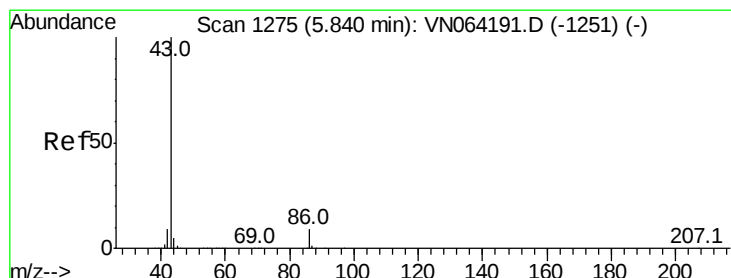
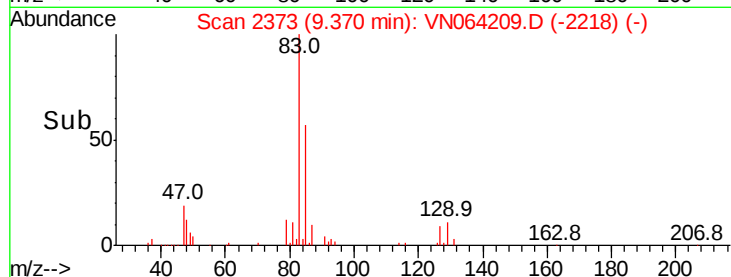
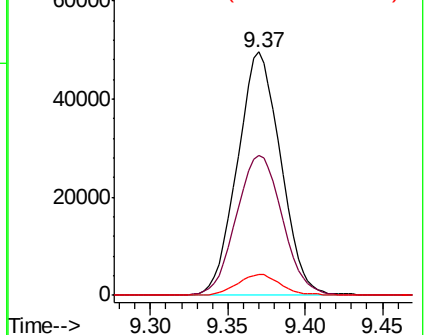
127 8.6 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VN064209.D (-1120) (-)

Ion 85.00 (84.70 to 85.70): VN064209.D (-1120) (-)

Ion 127.00 (126.70 to 127.70): VN064209.D (-1120) (-)



#42

Vinyl Acetate

Concen: 94.130 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN064209.D

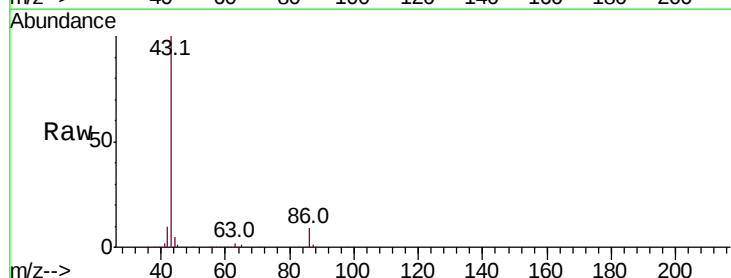
Acq: 20 Oct 2020 20:39

Tgt Ion: 43 Resp: 816323

Ion Ratio Lower Upper

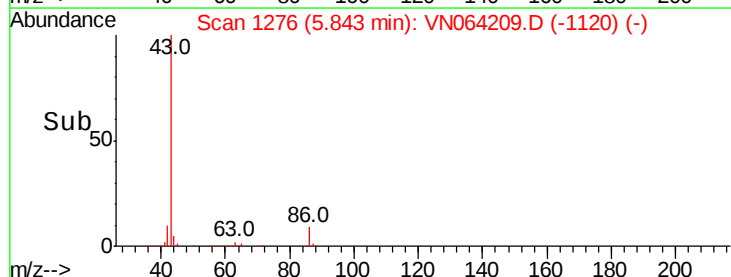
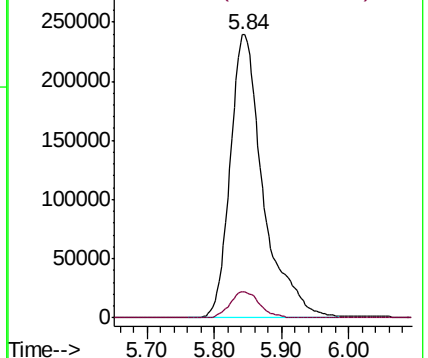
43 100

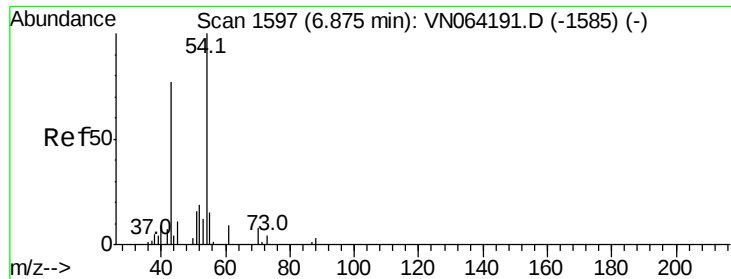
86 8.3 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VN064209.D (-1120) (-)

Ion 86.00 (85.70 to 86.70): VN064209.D (-1120) (-)

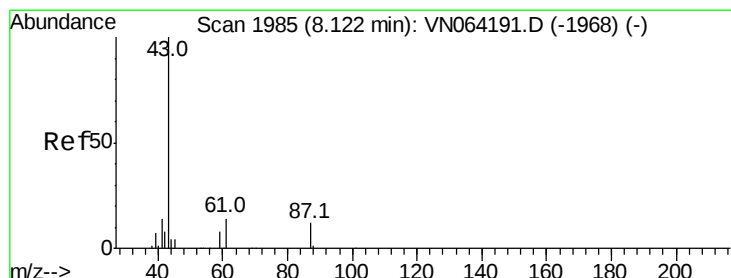
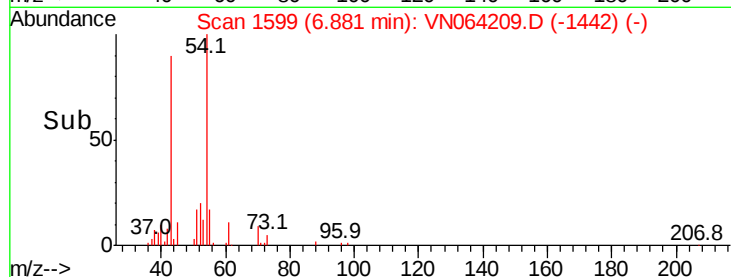
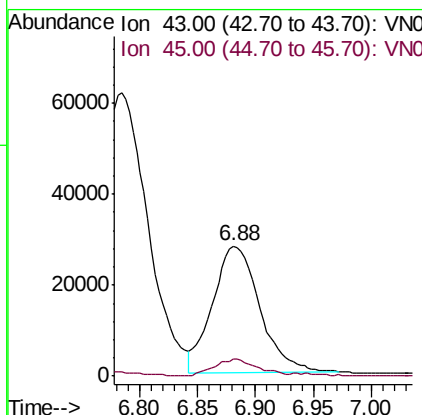
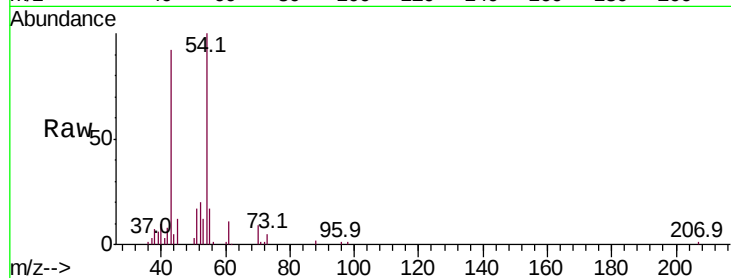




#43
Ethyl Acetate
Concen: 19.751 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.01 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

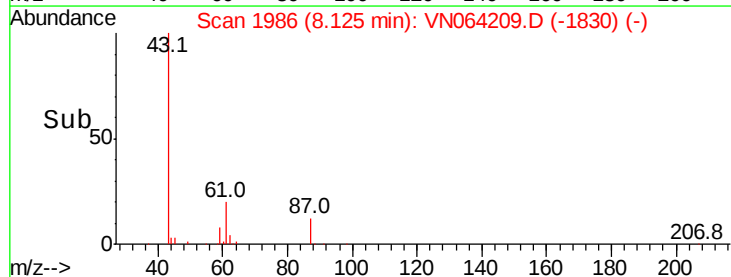
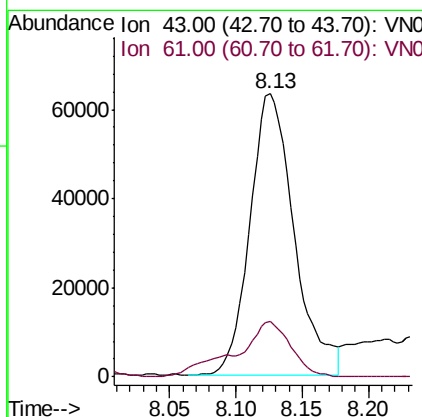
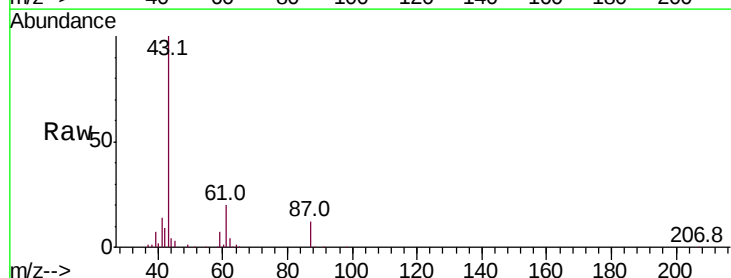
Instrument :
MSVOA_N
ClientSampled :

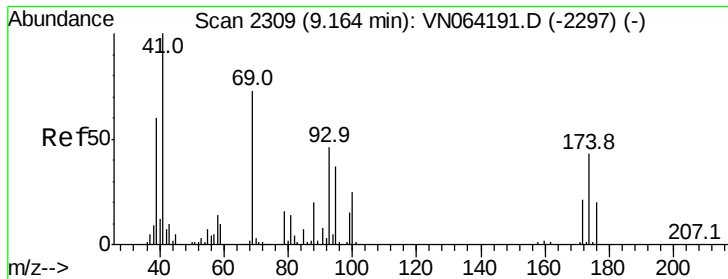
Tot Ion: 43 Resp: 78800
Ion Ratio Lower Upper
43 100
45 11.6 9.8 14.8



#44
Isopropyl Acetate
Concen: 19.274 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion: 43 Resp: 147627
Ion Ratio Lower Upper
43 100
61 17.9 18.7 28.1#





#45

1,4-Dioxane

Concen: 384.176 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :
MSVOA_N
ClientSampleId :

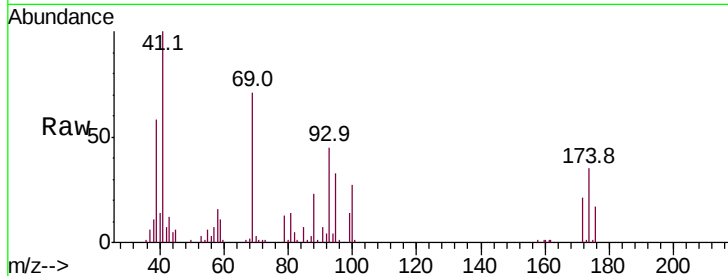
Tot Ion: 88 Resp: 17210

Ion Ratio Lower Upper

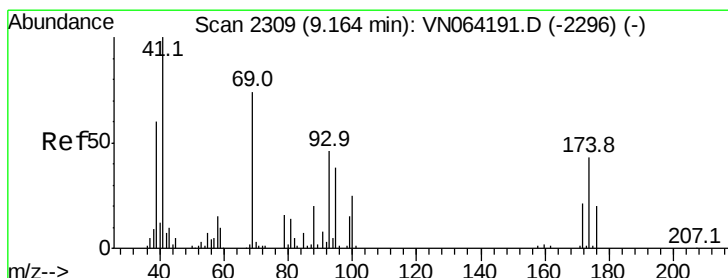
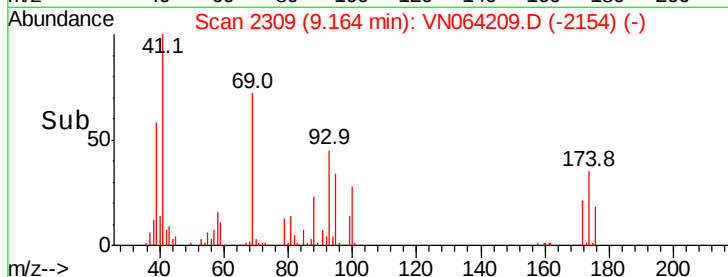
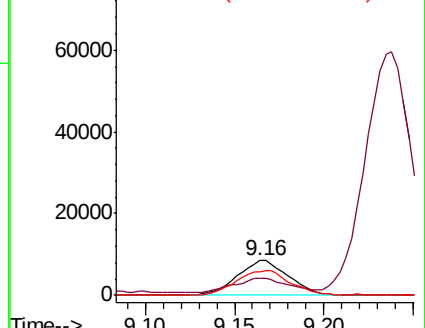
88 100

43 44.9 37.0 55.4

58 74.2 62.4 93.6



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



#46

Methyl methacrylate

Concen: 19.533 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

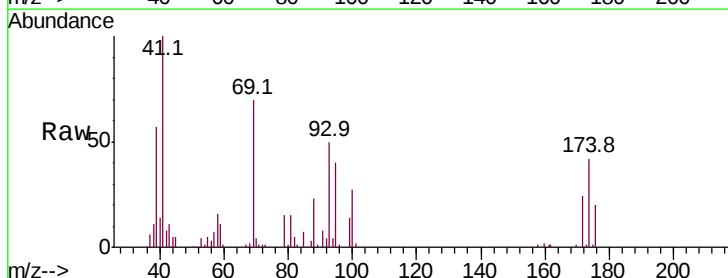
Tgt Ion: 41 Resp: 70990

Ion Ratio Lower Upper

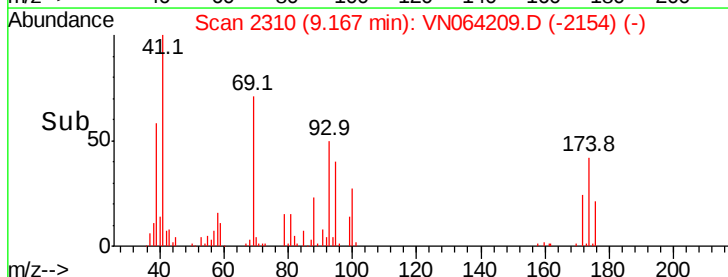
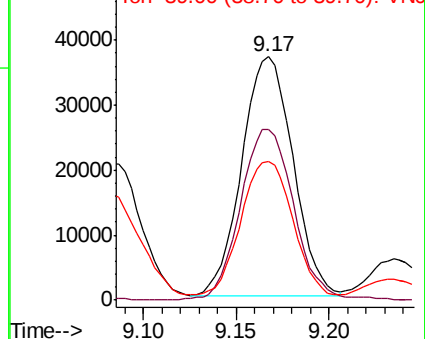
41 100

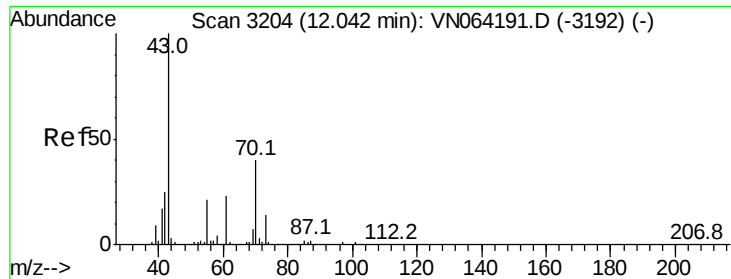
69 70.5 36.8 110.4

39 55.8 30.4 91.2



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

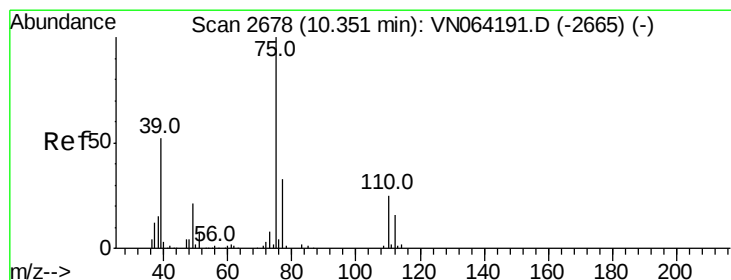
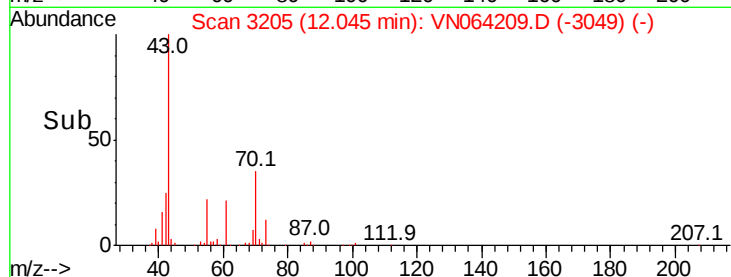
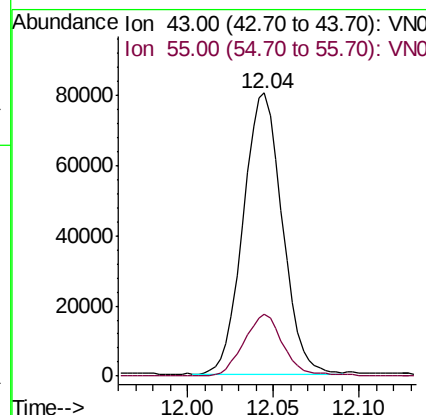
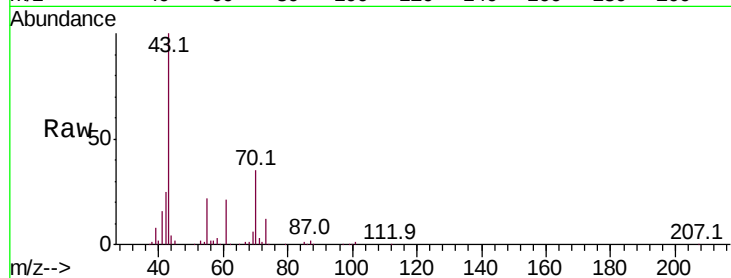




#47
n-amvl Acetate
Concen: 18.482 ug/l
RT: 12.04 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

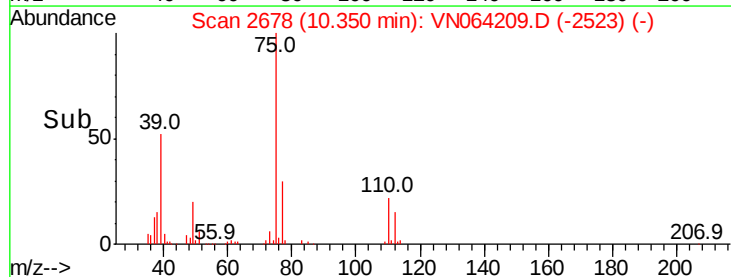
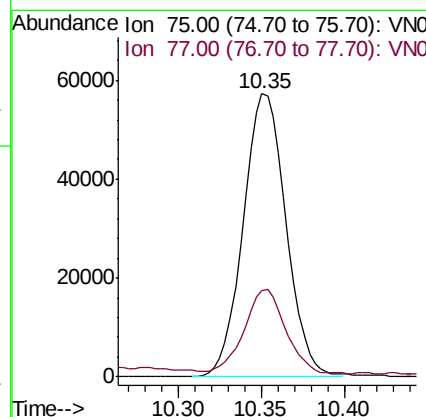
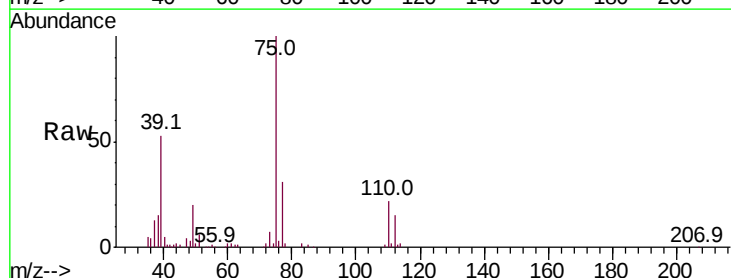
Instrument :
MSVOA_N
ClientSampled :

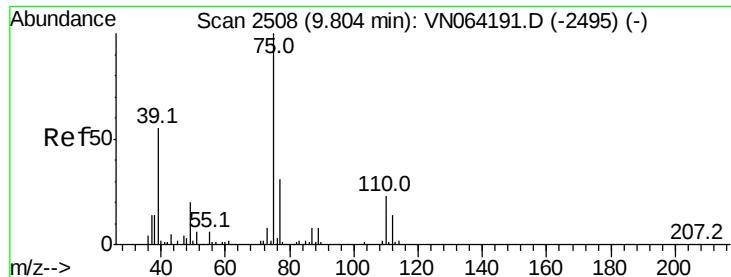
Tot Ion: 43 Resp: 125581
Ion Ratio Lower Upper
43 100
55 22.2 17.6 26.4



#48
t-1,3-Dichloropropene
Concen: 18.434 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion: 75 Resp: 103055
Ion Ratio Lower Upper
75 100
77 29.2 27.4 41.2



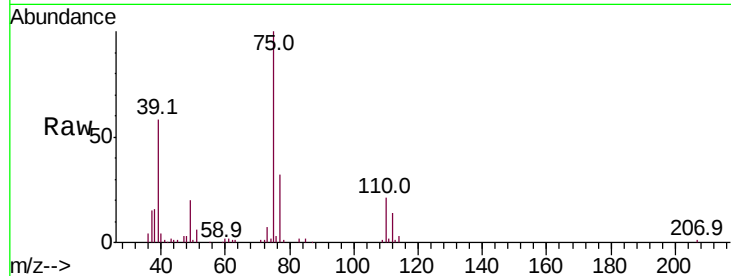


#49

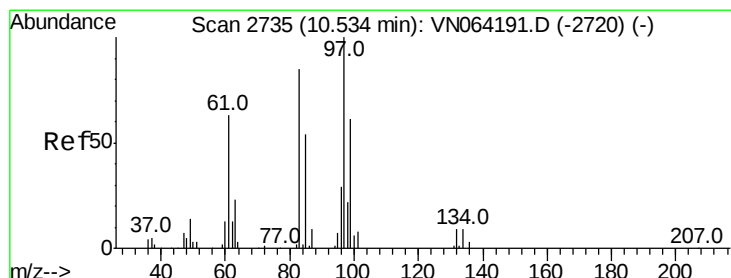
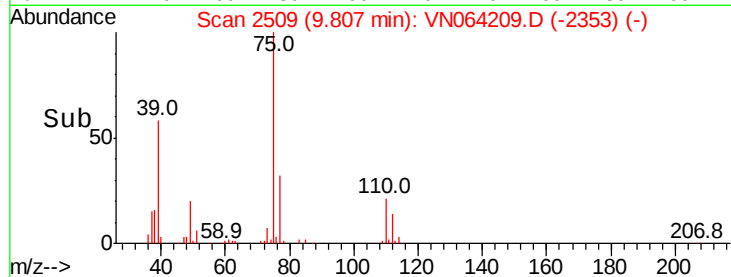
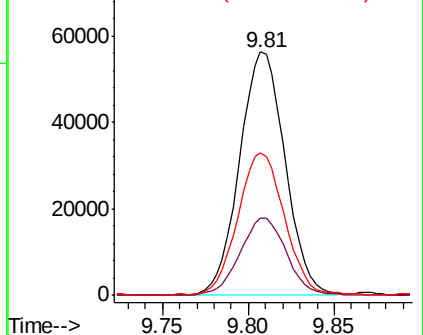
cis-1,3-Dichloropropene
 Concen: 17.939 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.5	36.7
39	58.0	43.8	65.8



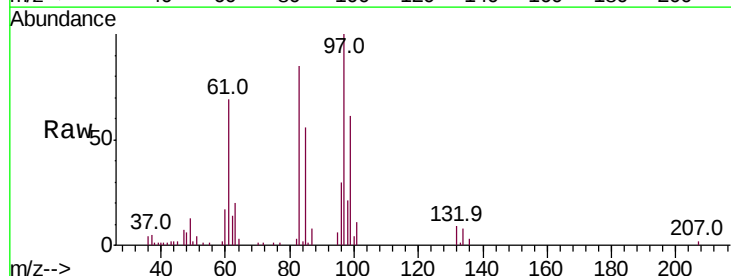
Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO



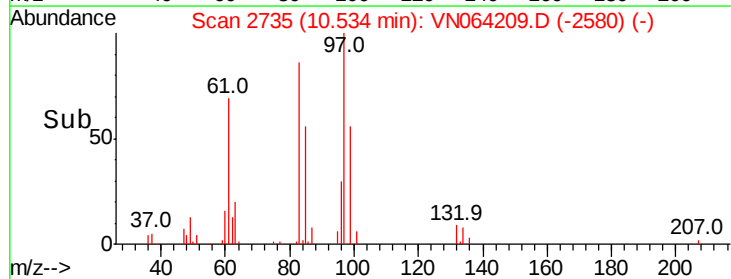
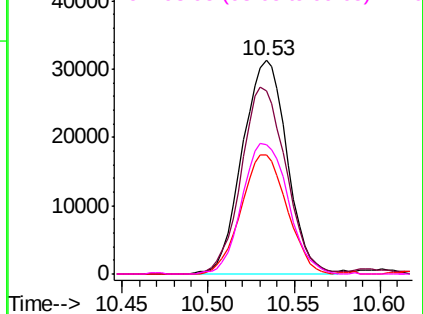
#50

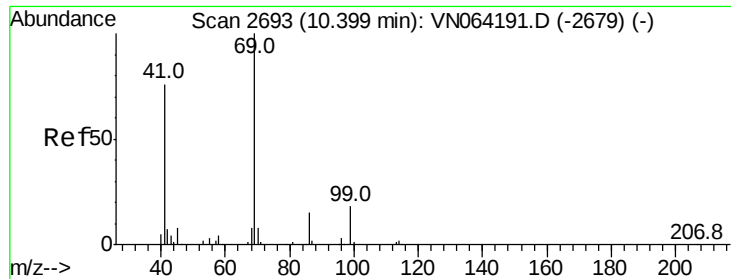
1,1,2-Trichloroethane
 Concen: 18.425 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.4	67.7	101.5
85	55.7	43.2	64.8
99	60.5	49.2	73.8



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





#51

Ethyl methacrylate

Concen: 18.203 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064209.D

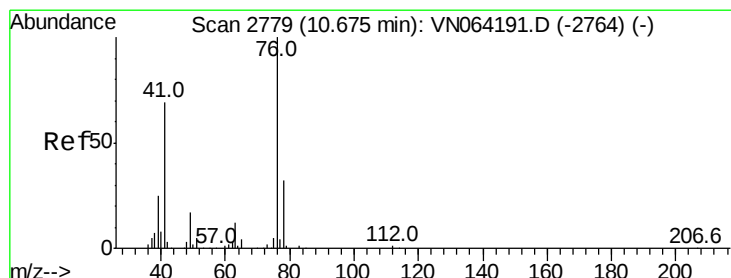
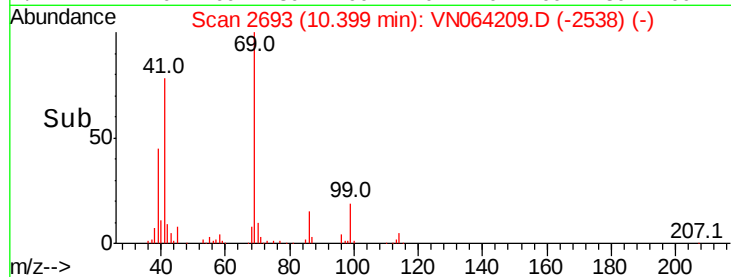
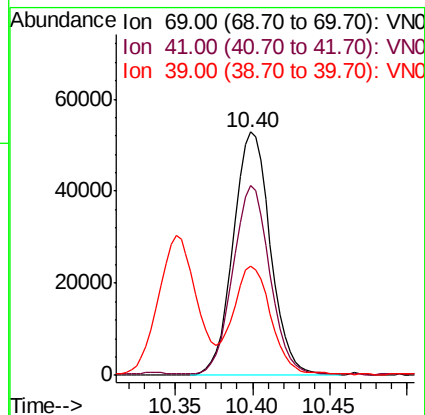
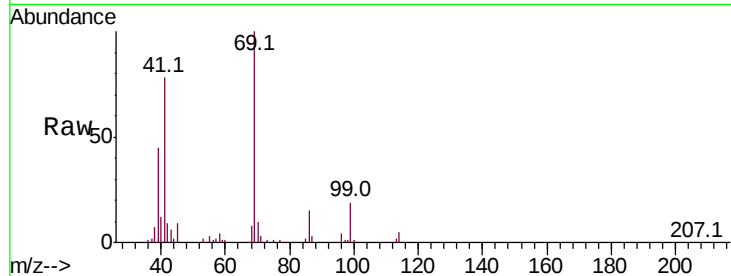
Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	69	Resp:	88326
Ion	Ratio	Lower	Upper
69	100		
41	77.5	38.0	114.1
39	44.2	21.4	64.3



#52

1,3-Dichloropropane

Concen: 18.765 ug/l

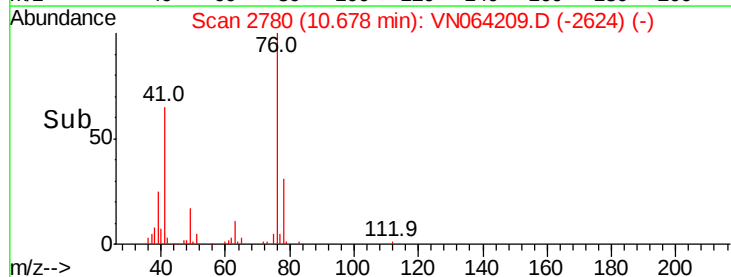
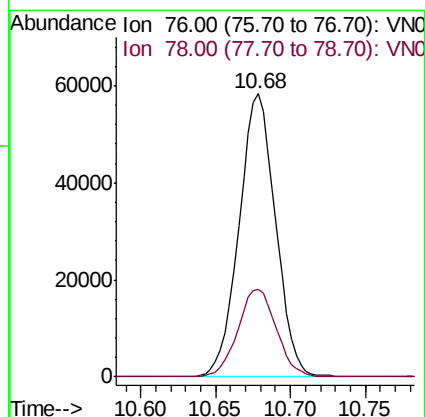
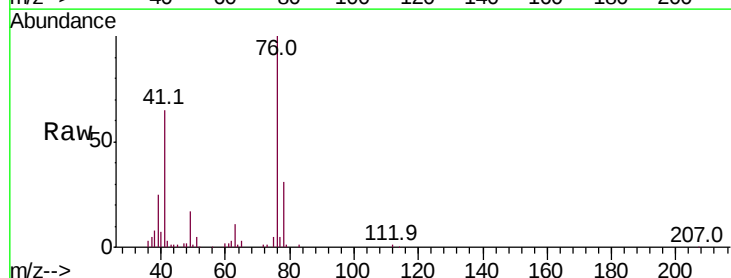
RT: 10.68 min Scan# 2780

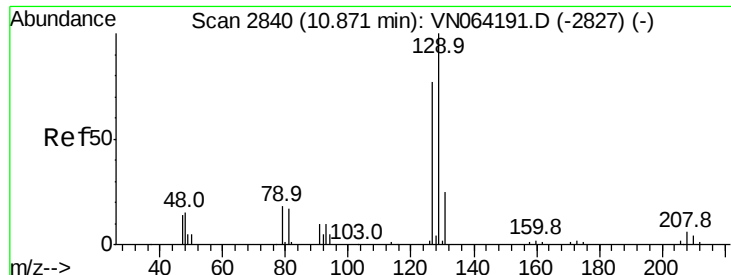
Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Tgt Ion:	76	Resp:	99275
Ion	Ratio	Lower	Upper
76	100		
78	32.8	0.0	64.4





#53

Dibromochloromethane

Concen: 18.562 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

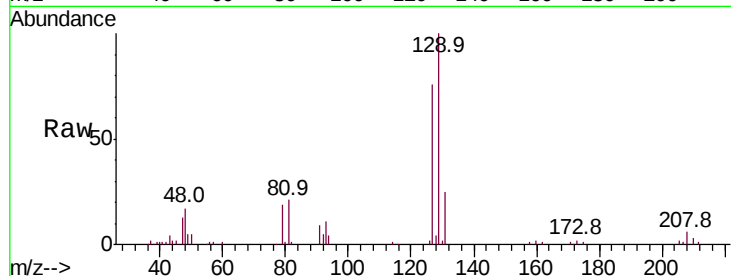
ClientSampleId :

Tot Ion:129 Resp: 71688

Ion Ratio Lower Upper

129 100

127 75.5 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

40000

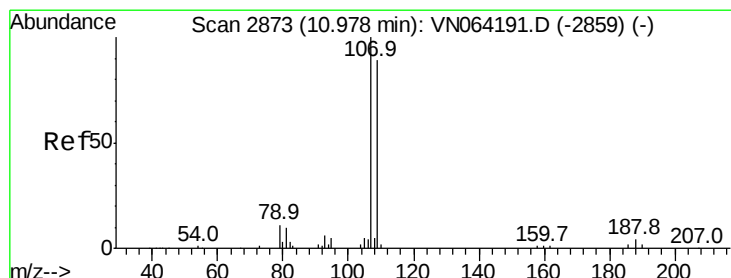
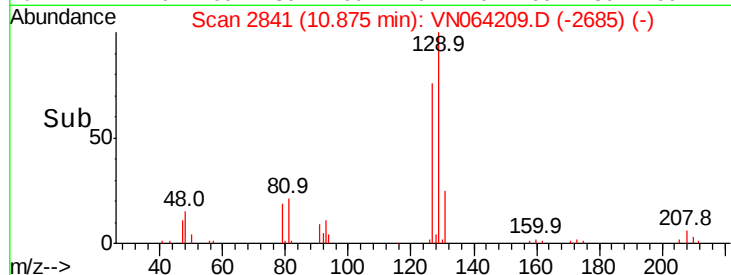
30000

20000

10000

0

Time--> 10.80 10.85 10.90



#54

1,2-Dibromoethane

Concen: 18.458 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN064209.D

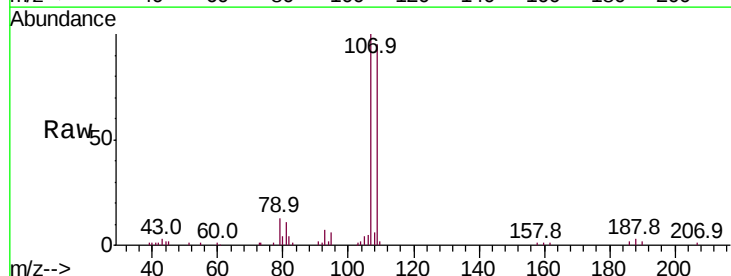
Acq: 20 Oct 2020 20:39

Tgt Ion:107 Resp: 60204

Ion Ratio Lower Upper

107 100

109 94.1 71.8 107.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

40000

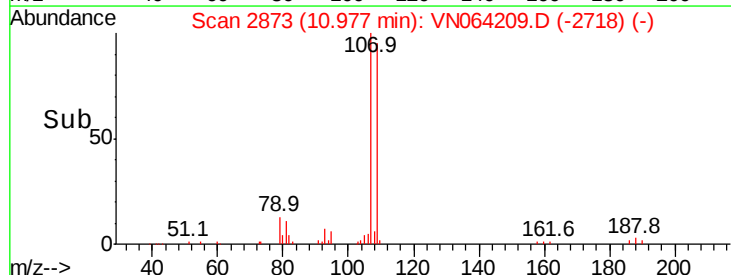
30000

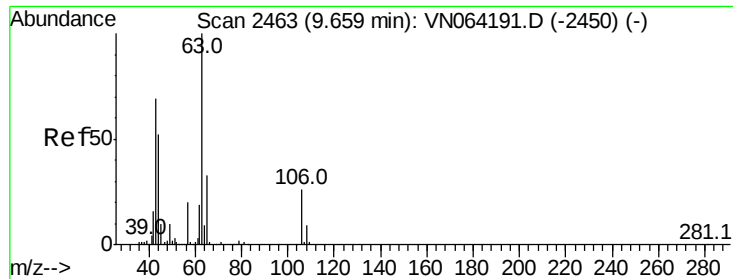
20000

10000

0

Time--> 10.90 10.95 11.00

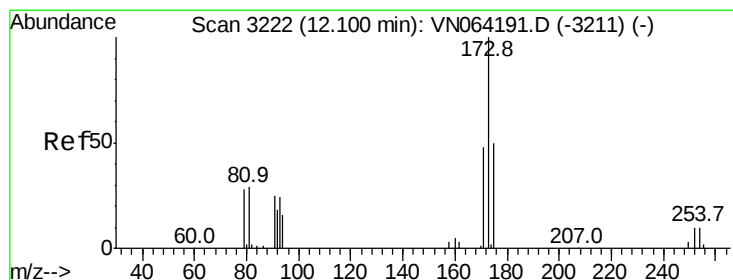
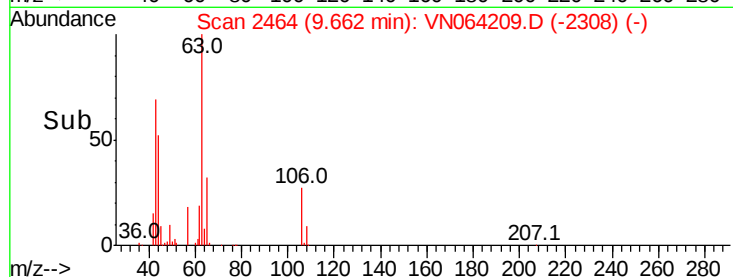
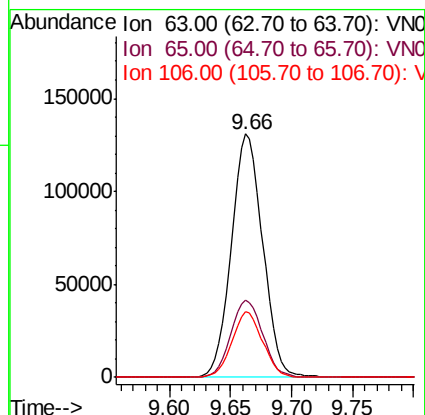
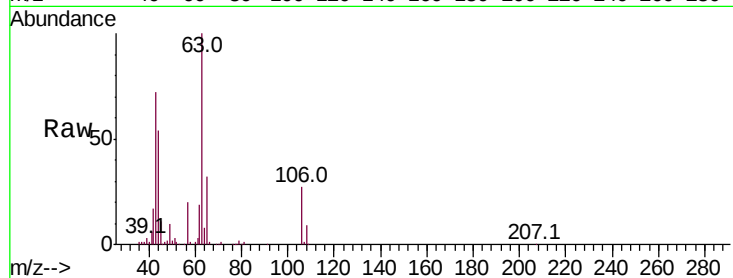




#55
2-Chloroethyl vinyl ether
Concen: 98.535 ug/l
RT: 9.66 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

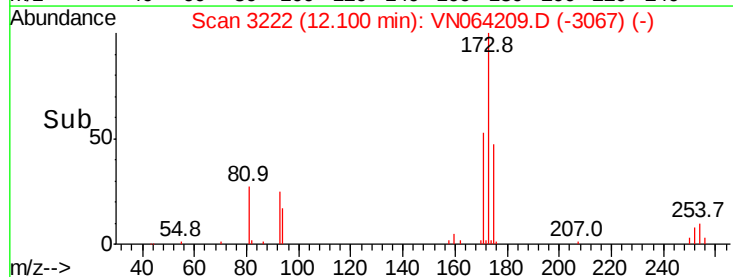
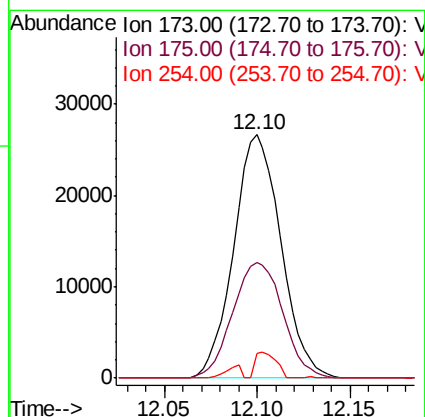
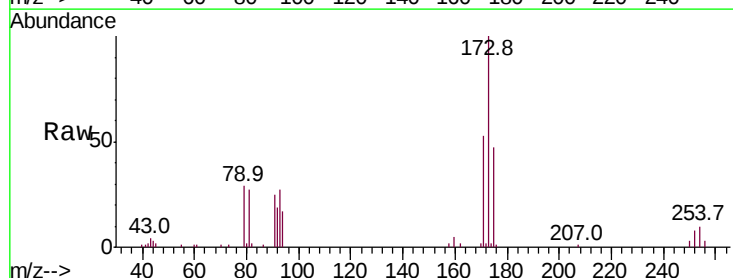
Instrument :
MSVOA_N
ClientSampleId :

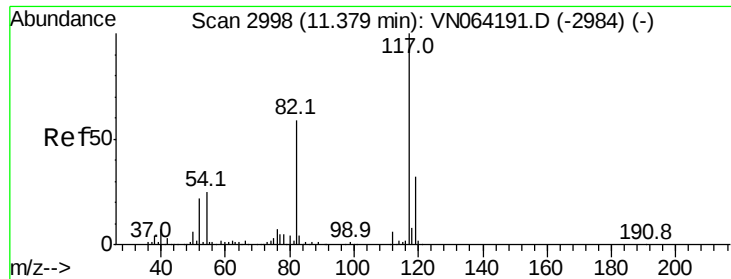
Tot Ion: 63 Resp: 234984
Ion Ratio Lower Upper
63 100
65 32.3 25.9 38.9
106 26.2 21.4 32.2



#56
Bromoform
Concen: 17.532 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion: 173 Resp: 47154
Ion Ratio Lower Upper
173 100
175 50.4 39.0 58.4
254 4.7 6.8 10.2#

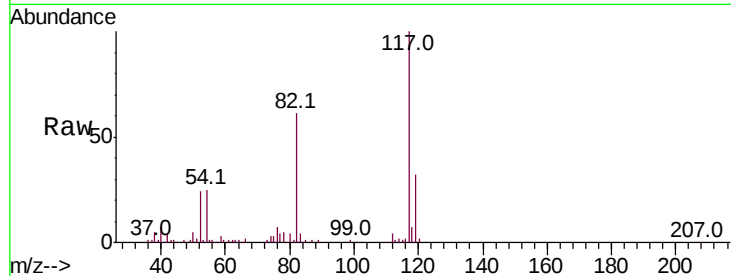




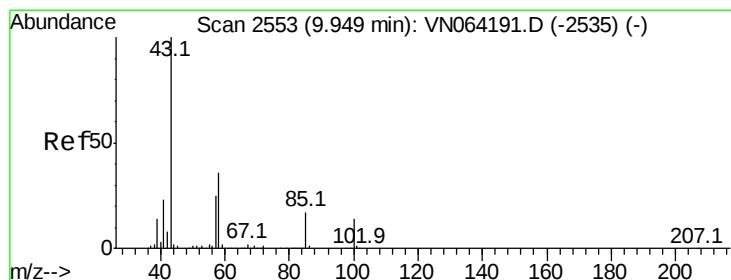
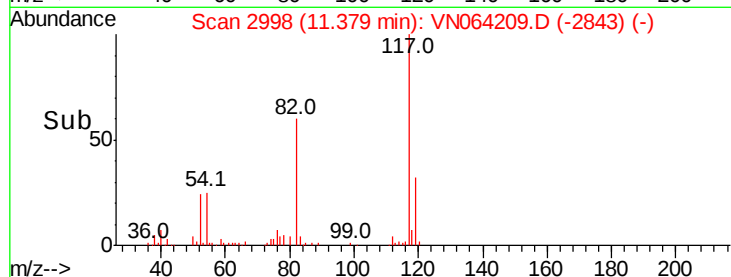
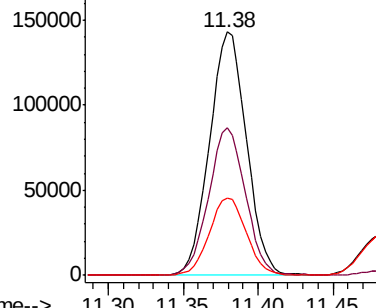
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	47.8	71.8
119	31.8	25.7	38.5

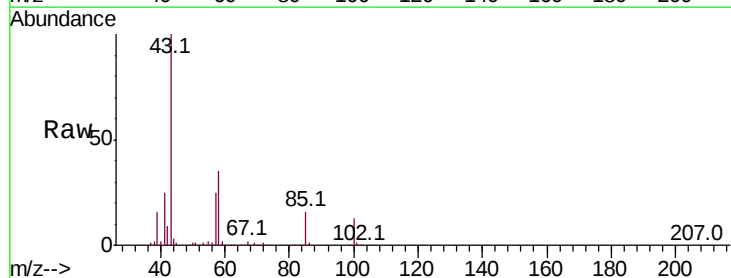


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

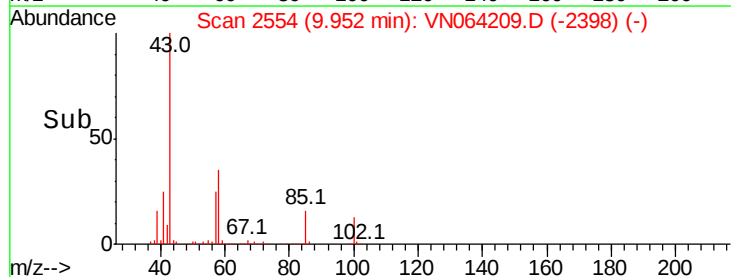
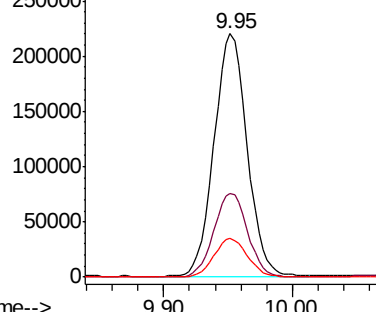


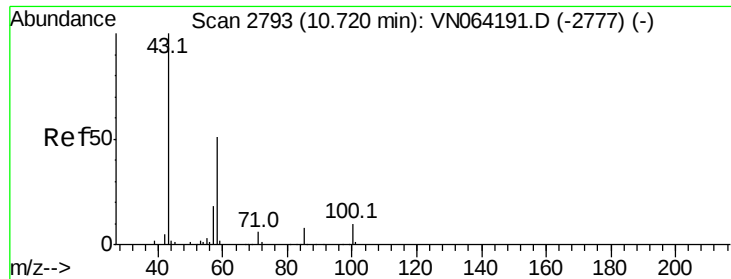
#58
4-Methyl-2-Pentanone
Concen: 93.804 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.5	29.5	44.3
85	16.1	13.7	20.5



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

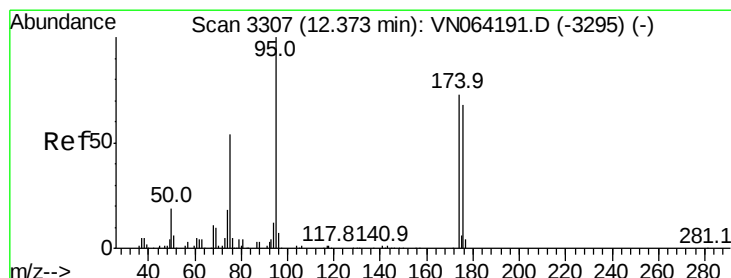
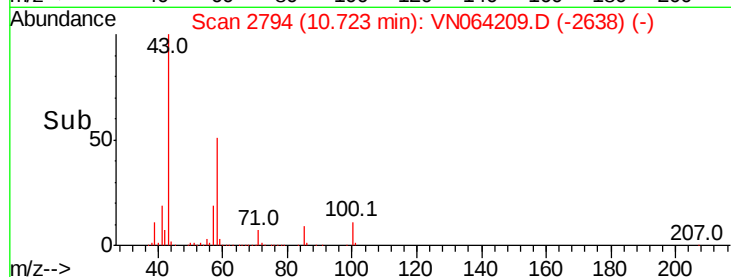
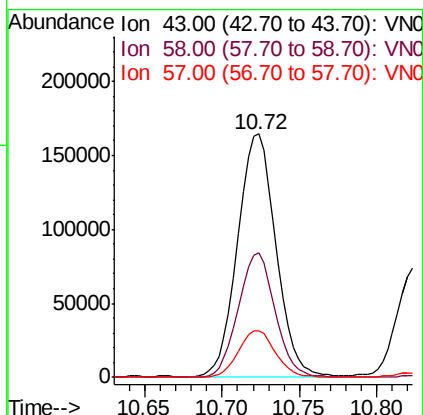
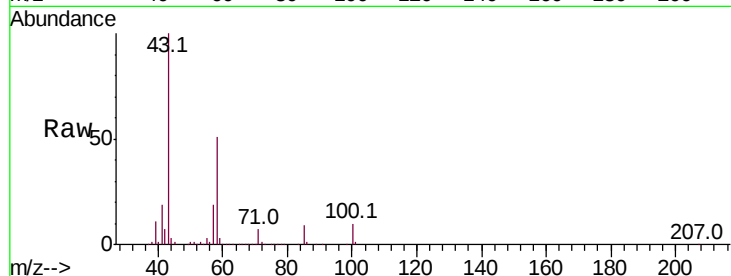




#59
2-Hexanone
Concen: 91.193 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

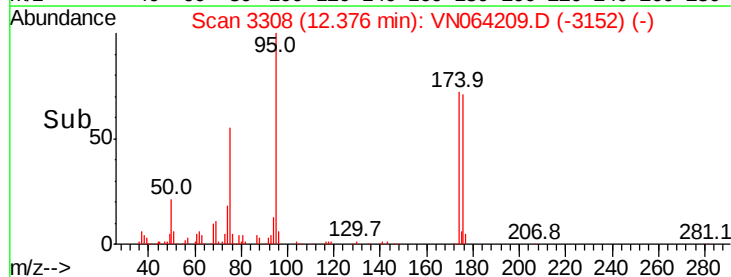
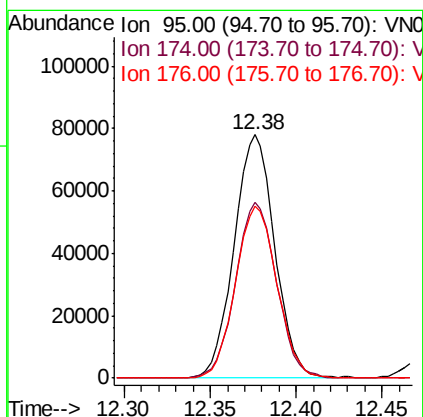
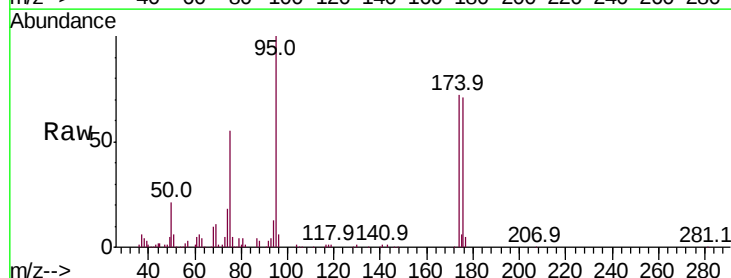
Instrument :
MSVOA_N
ClientSampled :

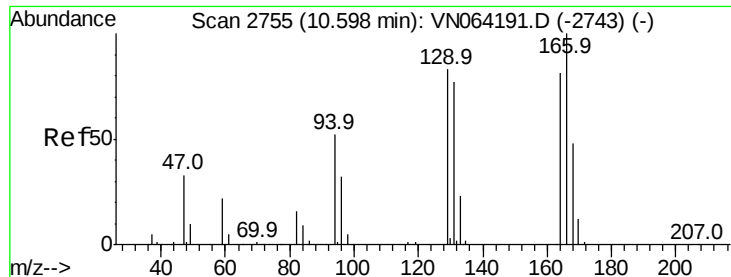
Tot Ion: 43 Resp: 282156
Ion Ratio Lower Upper
43 100
58 49.7 40.2 60.4
57 18.9 14.8 22.2



#60
4-Bromofluorobenzene
Concen: 29.129 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion: 95 Resp: 128382
Ion Ratio Lower Upper
95 100
174 72.8 57.6 86.4
176 72.1 54.9 82.3

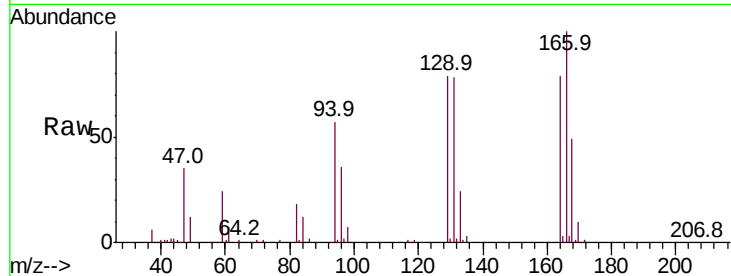




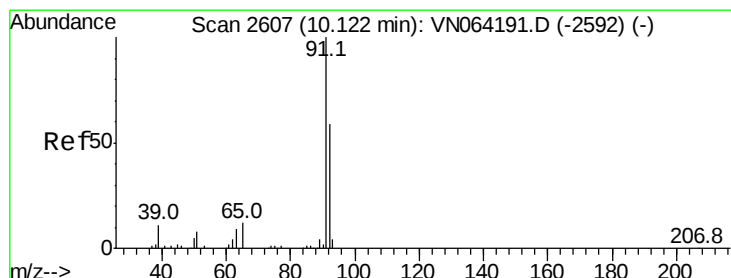
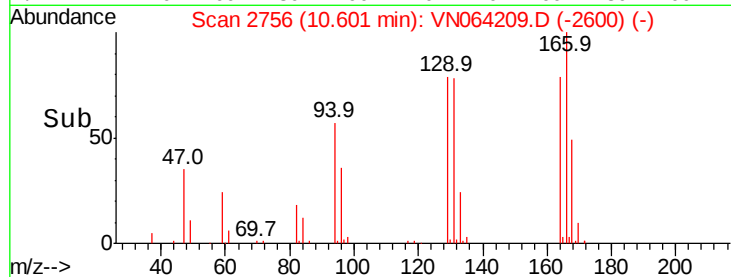
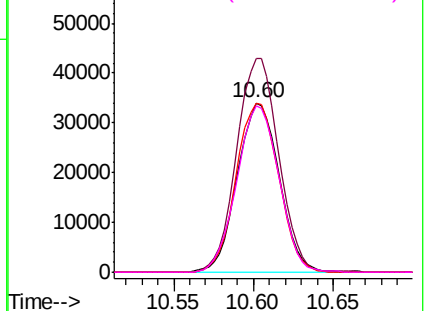
#61
Tetrachloroethene
Concen: 18.420 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:164 Resp: 61073
Ion Ratio Lower Upper
164 100
166 126.3 99.2 148.8
129 99.8 82.8 124.2
131 98.2 76.2 114.4

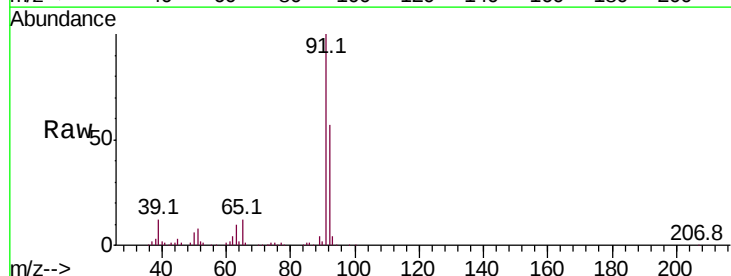


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

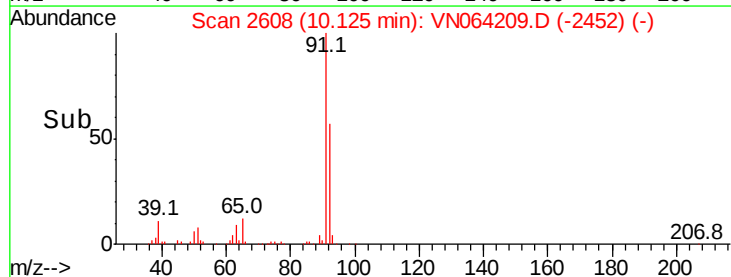
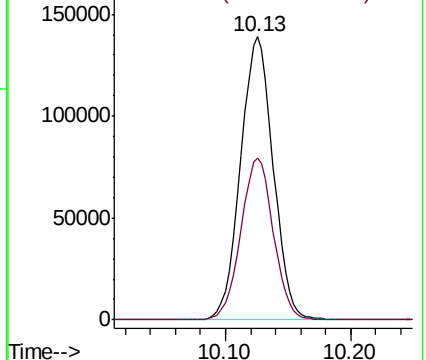


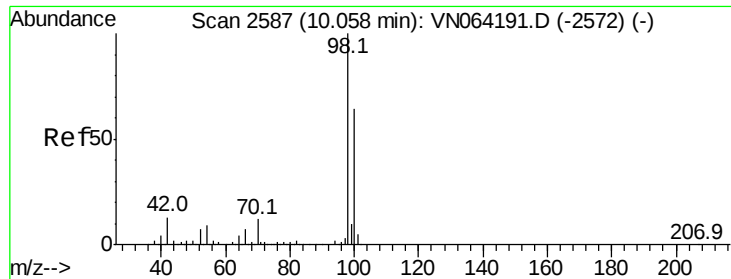
#62
Toluene
Concen: 17.900 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion: 91 Resp: 251676
Ion Ratio Lower Upper
91 100
92 57.0 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: 29.656 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

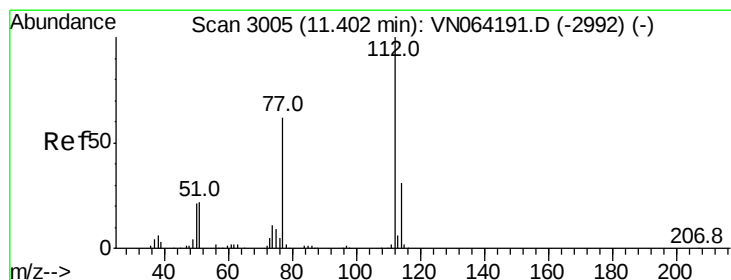
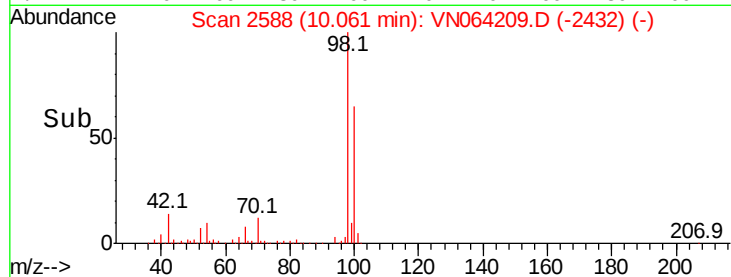
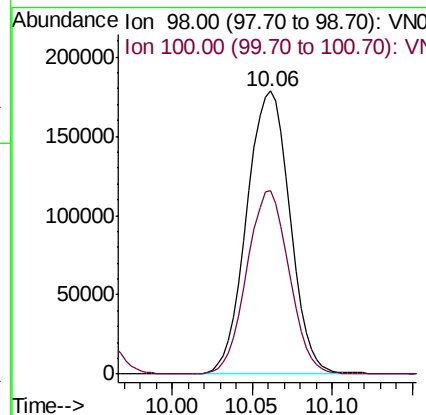
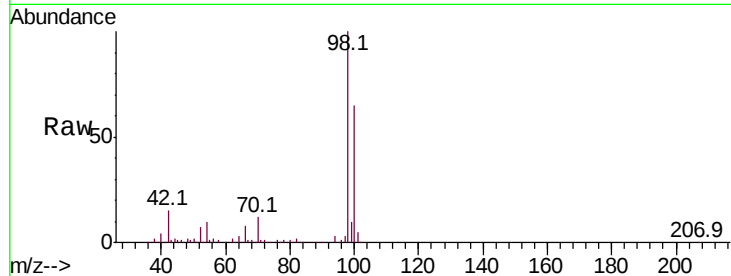
ClientSampled :

Tot Ion: 98 Resp: 330207

Ion Ratio Lower Upper

98 100

100 63.9 51.4 77.2



#64

Chlorobenzene

Concen: 17.800 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064209.D

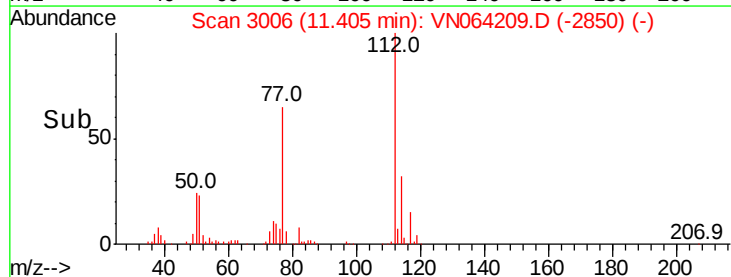
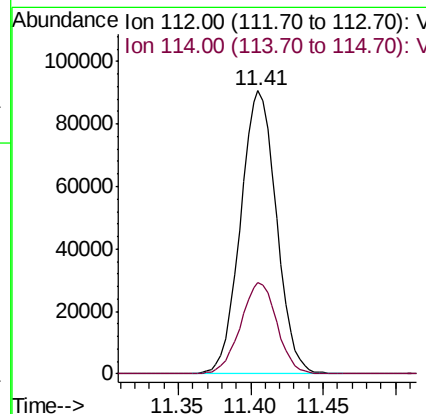
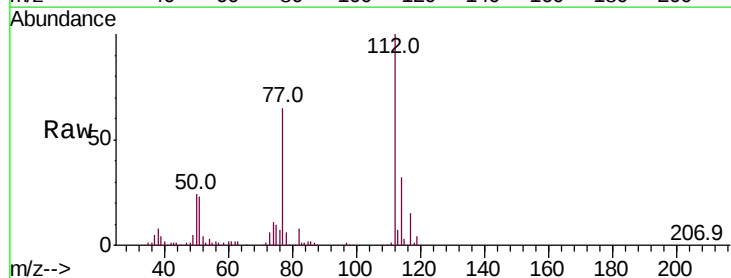
Acq: 20 Oct 2020 20:39

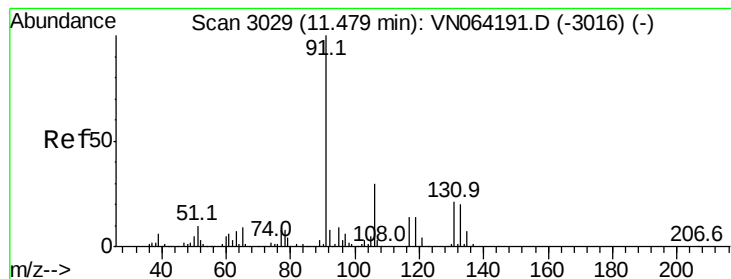
Tgt Ion: 112 Resp: 155860

Ion Ratio Lower Upper

112 100

114 32.1 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 18.515 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

ClientSampled :

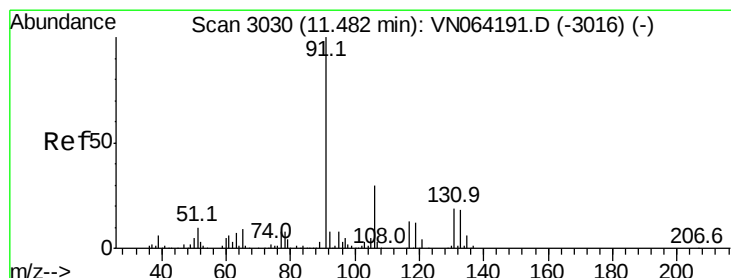
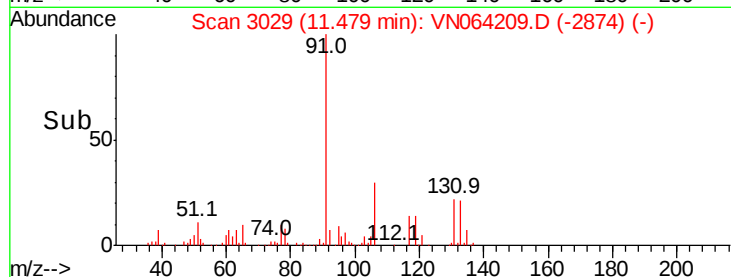
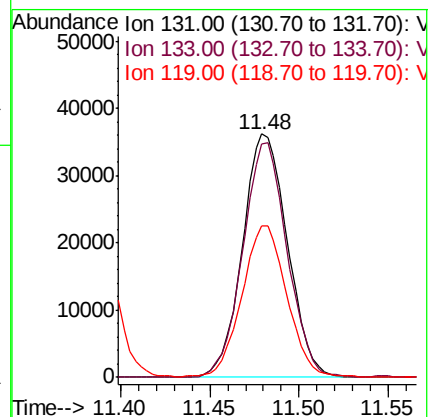
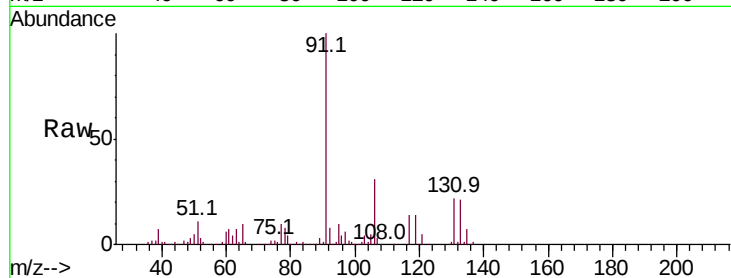
Tot Ion:131 Resp: 63517

Ion Ratio Lower Upper

131 100

133 95.2 0.0 193.0

119 62.6 0.0 132.2



#66

Ethyl Benzene

Concen: 17.900 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN064209.D

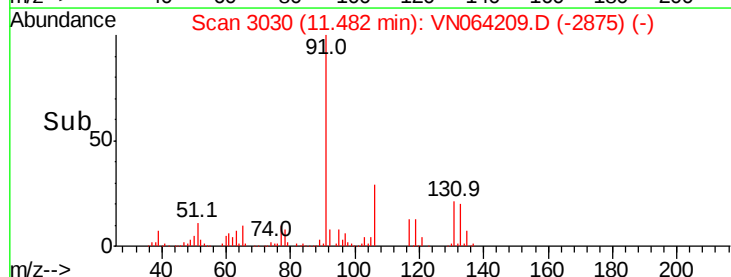
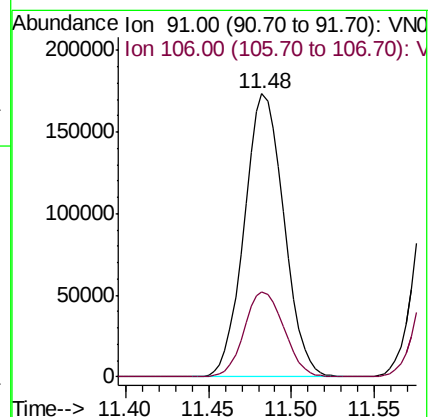
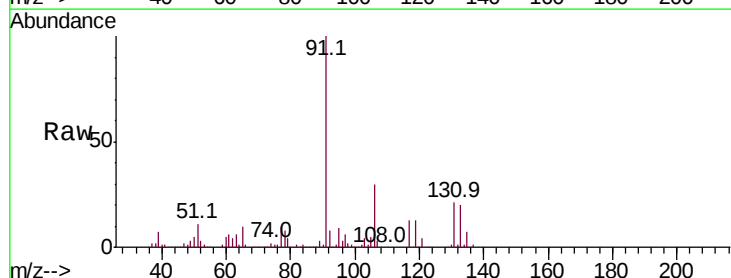
Acq: 20 Oct 2020 20:39

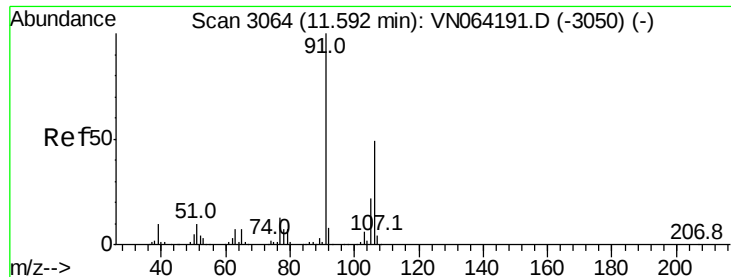
Tgt Ion: 91 Resp: 289350

Ion Ratio Lower Upper

91 100

106 30.1 23.9 35.9

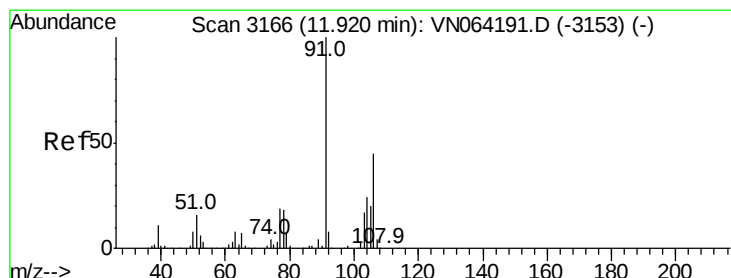
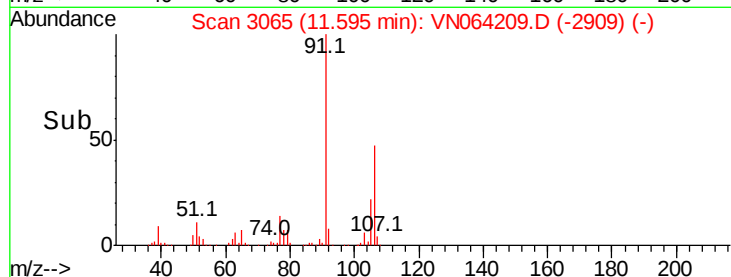
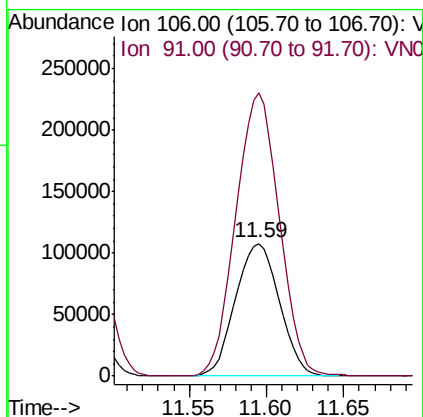
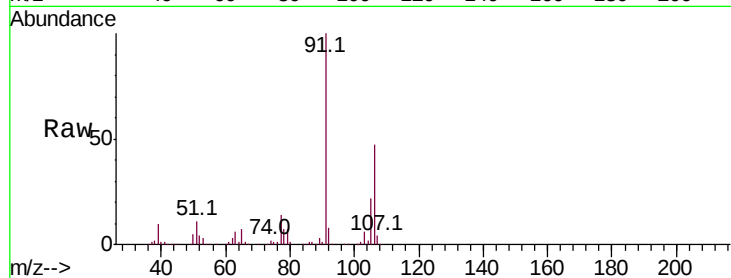




#67
m/p-Xylenes
Concen: 35.543 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

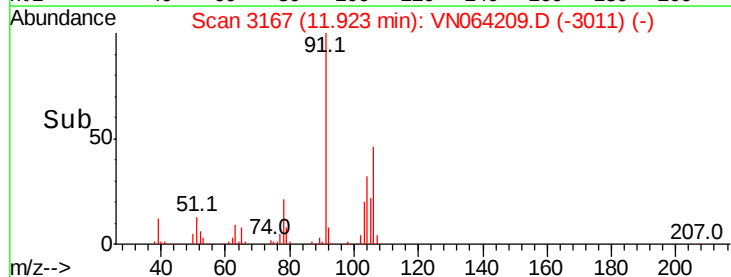
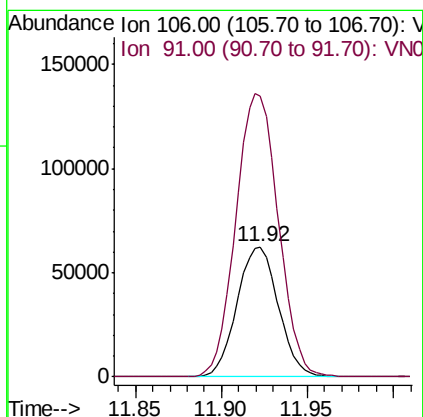
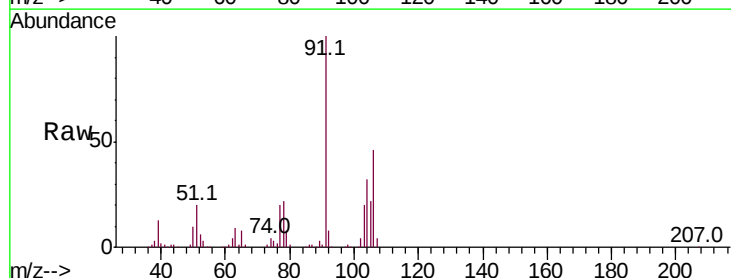
Instrument :
MSVOA_N
ClientSampled :

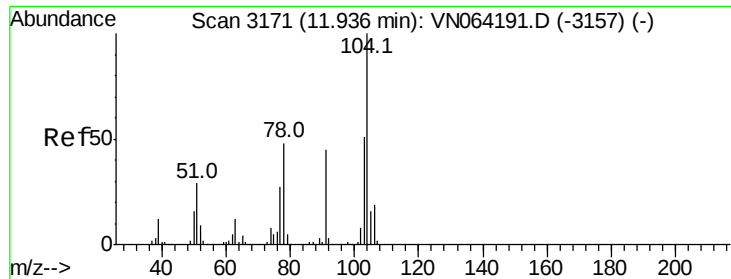
Tot Ion:106 Resp: 213680
Ion Ratio Lower Upper
106 100
91 209.7 167.9 251.9



#68
o-Xylene
Concen: 17.907 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion:106 Resp: 104466
Ion Ratio Lower Upper
106 100
91 223.3 113.9 341.7

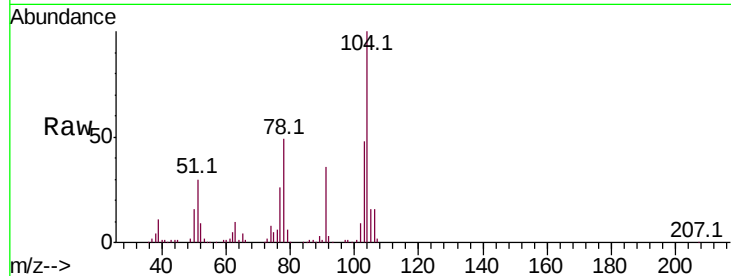




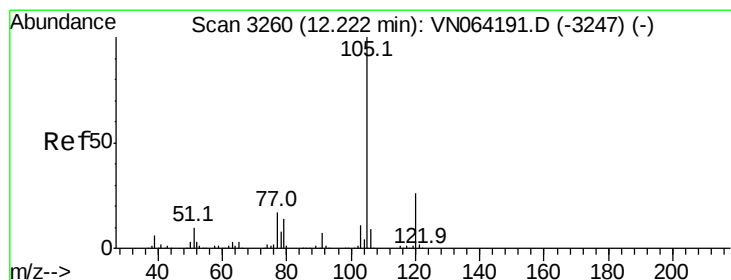
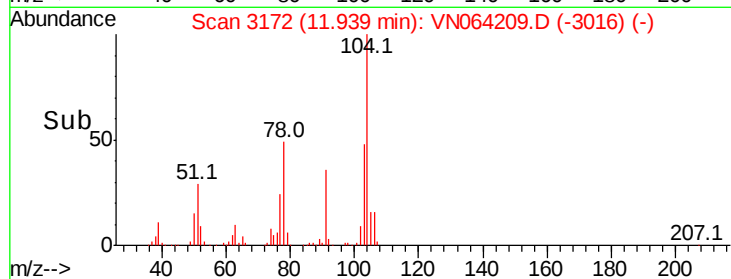
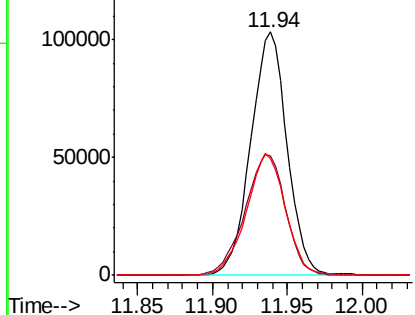
#69
Stvrene
Concen: 17.651 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:104 Resp: 174220
Ion Ratio Lower Upper
104 100
78 55.7 43.6 65.4
103 53.9 44.8 67.2

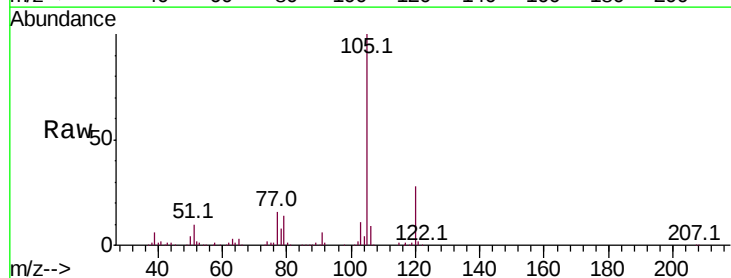


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

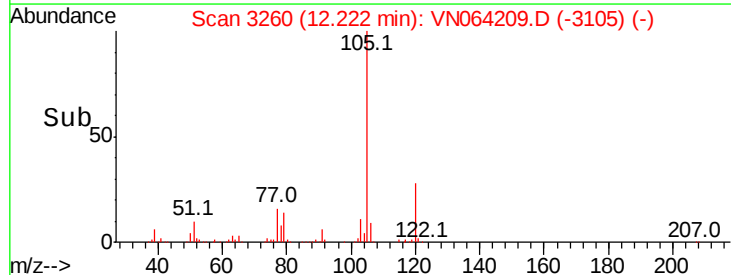
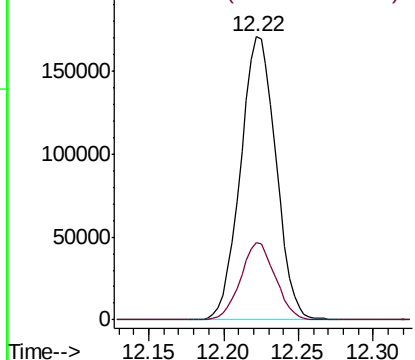


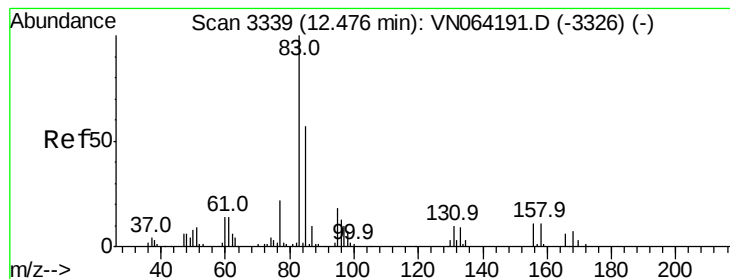
#70
Isopropylbenzene
Concen: 18.309 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion:105 Resp: 282103
Ion Ratio Lower Upper
105 100
120 26.6 18.1 33.7



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





#71

1,1,2,2-Tetrachloroethane

Concen: 18.029 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

ClientSampled :

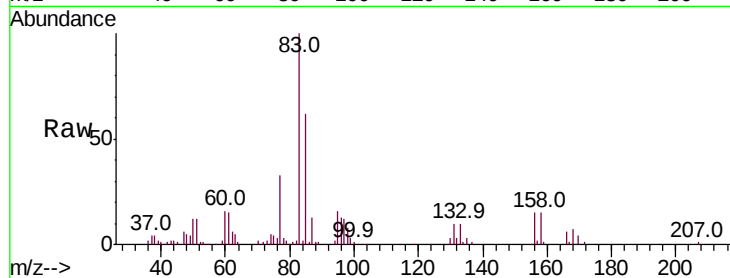
Tot Ion: 83 Resp: 76123

Ion Ratio Lower Upper

83 100

131 10.4 5.5 16.4

85 64.9 30.8 92.4



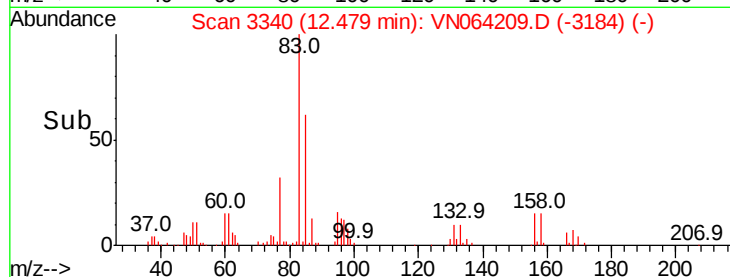
Abundance Ion 83.00 (82.70 to 83.70): VN064209.D (-3184) (-)

Ion 131.00 (130.70 to 131.70): VN064209.D (-3184) (-)

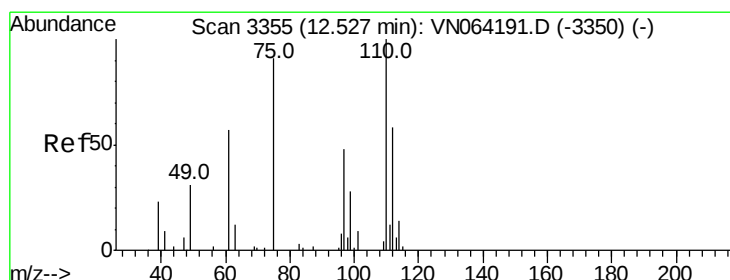
Ion 85.00 (84.70 to 85.70): VN064209.D (-3184) (-)

12.48

Time-->



Time-->



#72

1,2,3-Trichloropropane

Concen: 25.657 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN064209.D

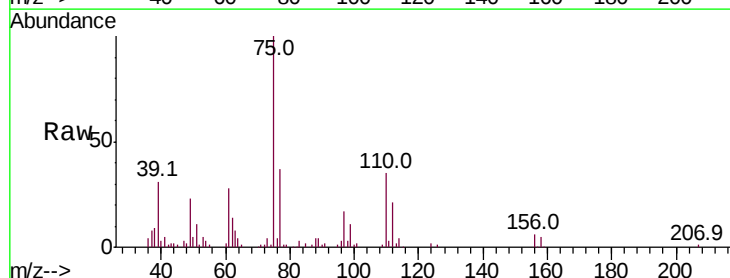
Acq: 20 Oct 2020 20:39

Tgt Ion: 75 Resp: 113044

Ion Ratio Lower Upper

75 100

77 129.4 0.0 417.6

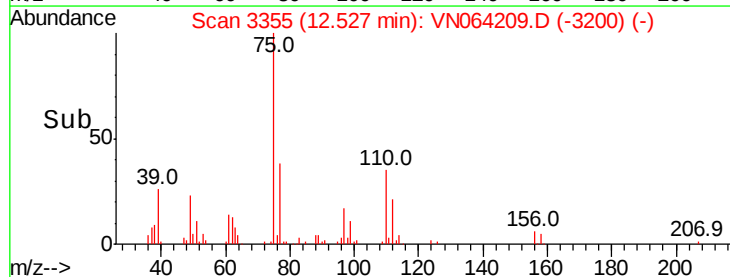


Abundance Ion 75.00 (74.70 to 75.70): VN064209.D (-3200) (-)

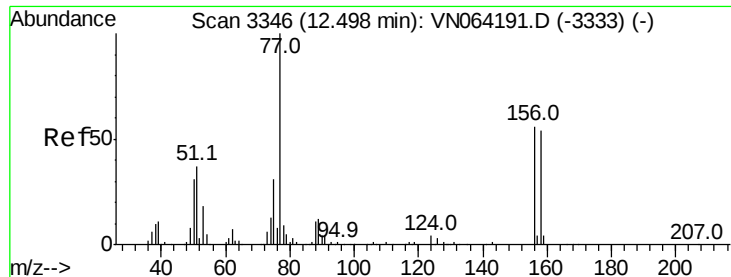
Ion 77.00 (76.70 to 77.70): VN064209.D (-3200) (-)

12.53

Time-->



Time-->



#73

Bromobenzene

Concen: 18.008 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

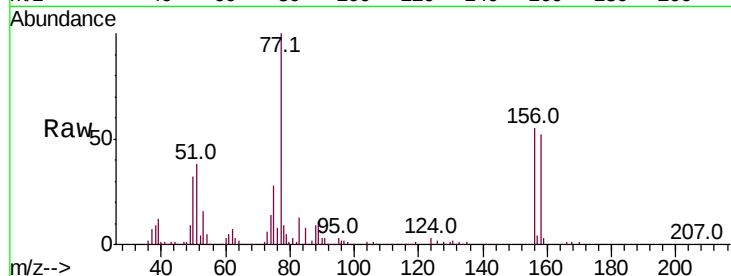
Tot Ion:156 Resp: 66908

Ion Ratio Lower Upper

156 100

77 218.7 0.0 429.8

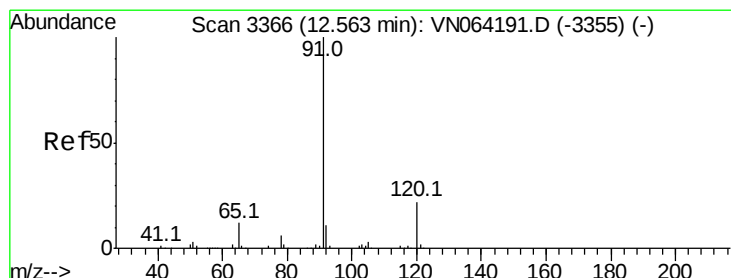
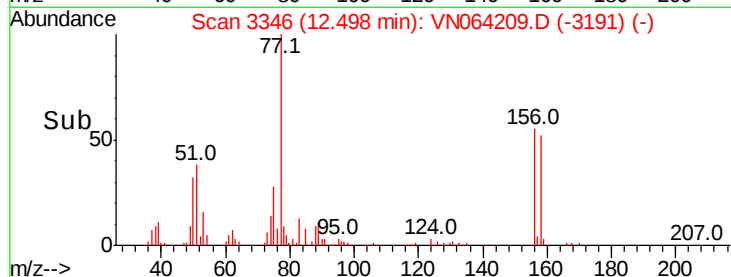
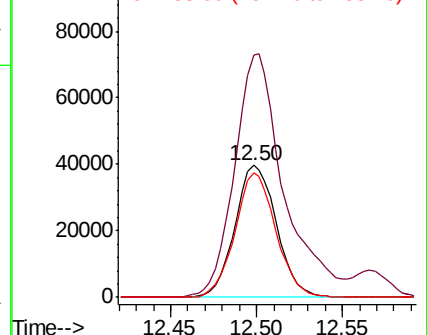
158 92.8 0.0 190.6



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: 17.526 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064209.D

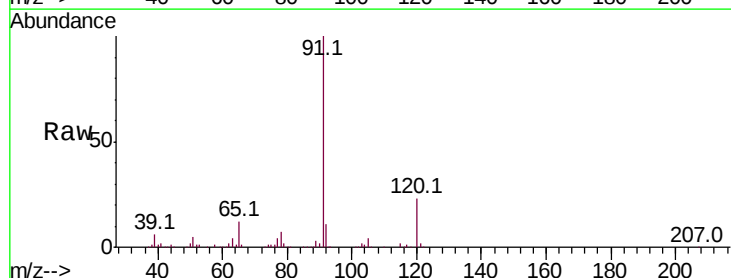
Acq: 20 Oct 2020 20:39

Tgt Ion: 91 Resp: 308203

Ion Ratio Lower Upper

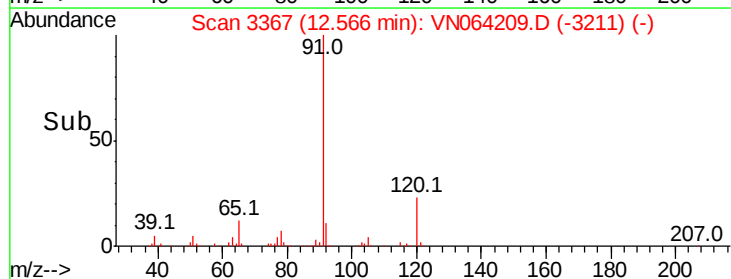
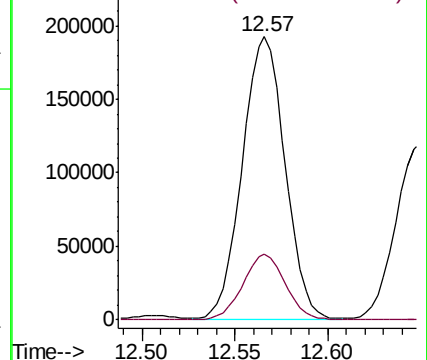
91 100

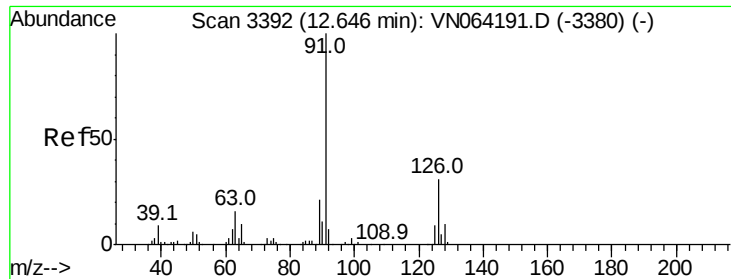
120 23.0 0.0 43.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.050 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

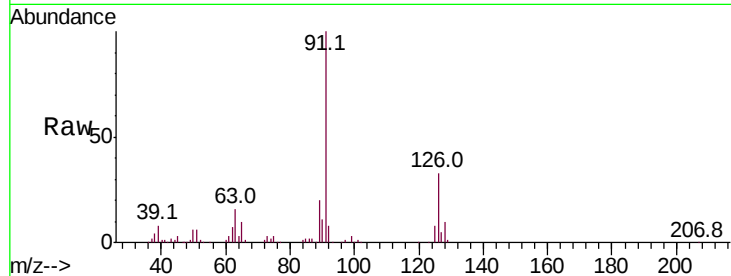
ClientSampleId :

Tot Ion: 91 Resp: 196486

Ion Ratio Lower Upper

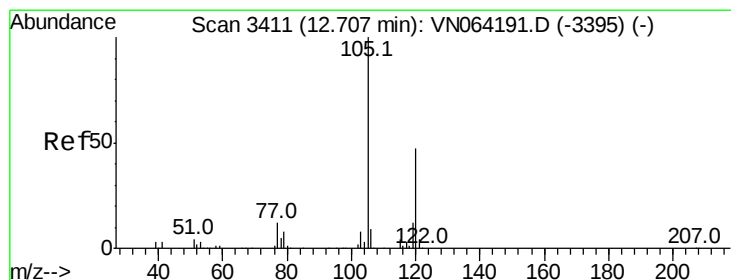
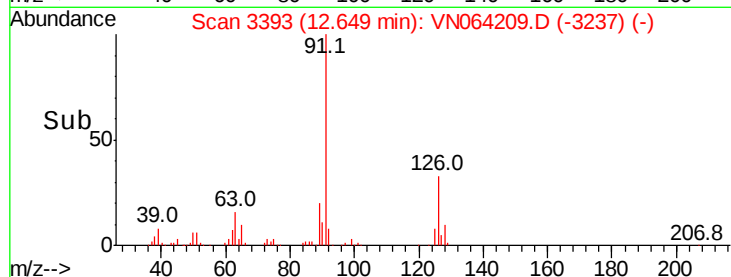
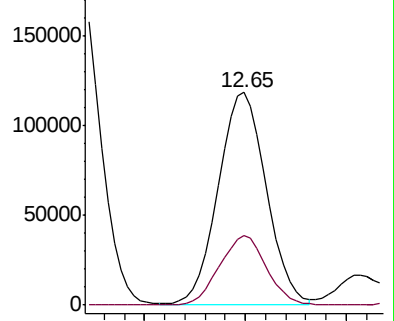
91 100

126 32.0 0.0 62.4



Abundance Ion 91.00 (90.70 to 91.70): VN064191.D (-3380) (-)

Ion 126.00 (125.70 to 126.70): VN064191.D (-3380) (-)



#76

1,3,5-Trimethylbenzene

Concen: 17.632 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064209.D

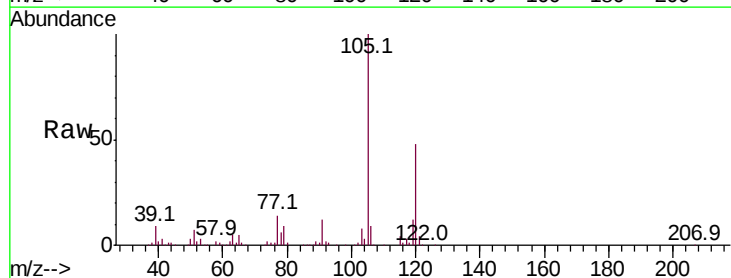
Acq: 20 Oct 2020 20:39

Tgt Ion: 105 Resp: 231174

Ion Ratio Lower Upper

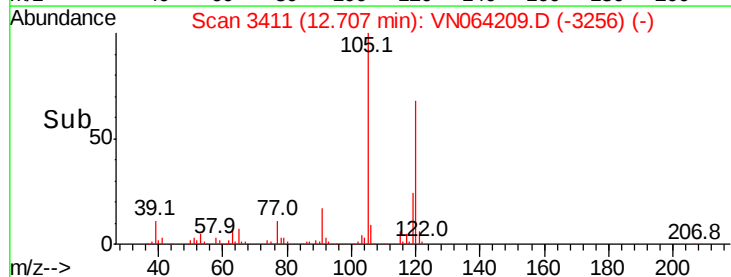
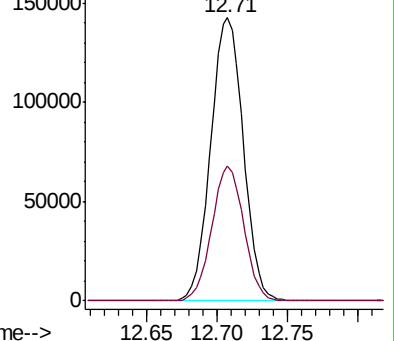
105 100

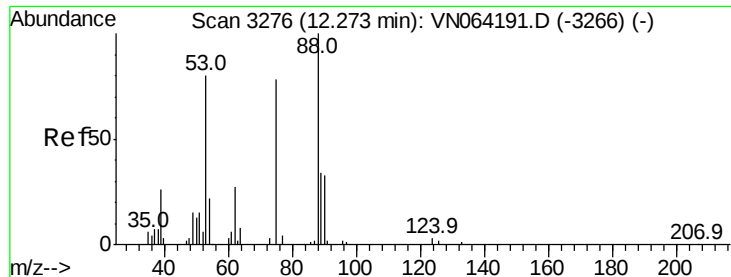
120 46.7 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN064191.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN064191.D (-3395) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 16.493 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

ClientSampled :

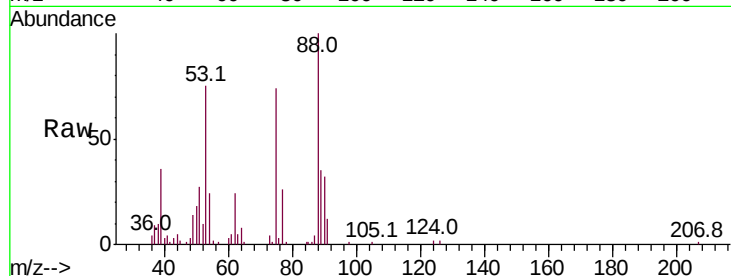
Tot Ion: 75 Resp: 28411

Ion Ratio Lower Upper

75 100

53 101.9 51.4 154.2

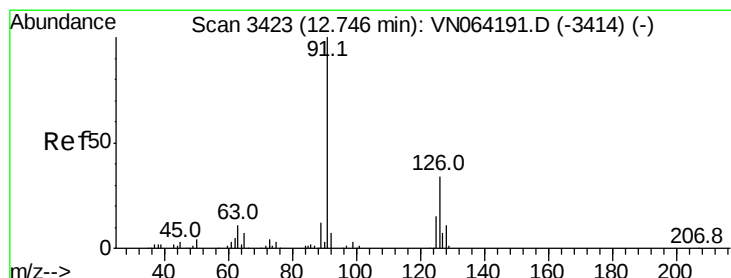
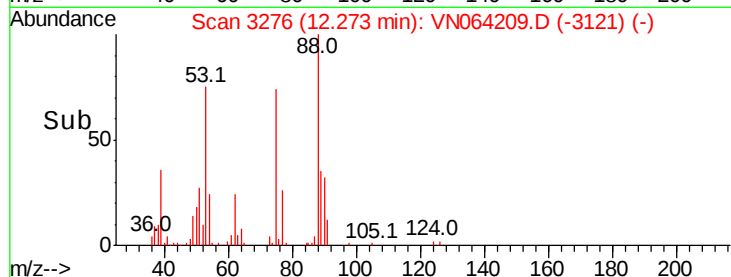
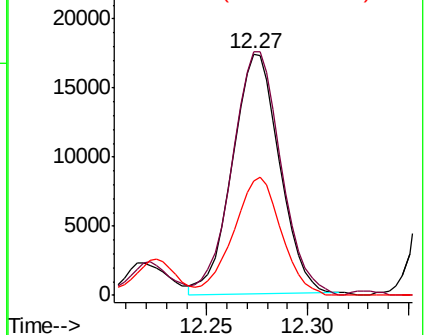
89 48.1 23.8 71.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 17.580 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064209.D

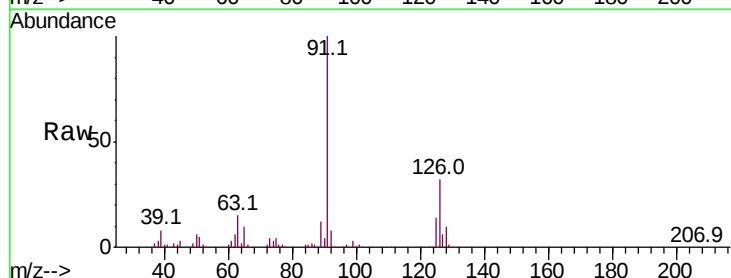
Acq: 20 Oct 2020 20:39

Tgt Ion: 91 Resp: 200186

Ion Ratio Lower Upper

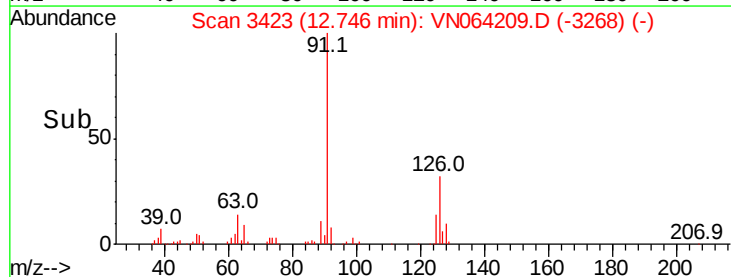
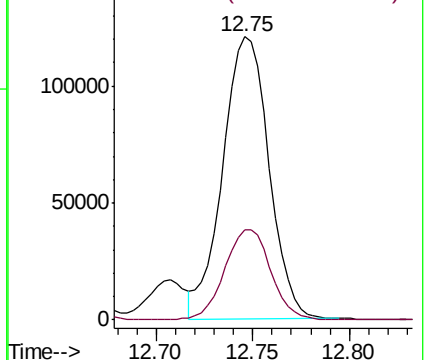
91 100

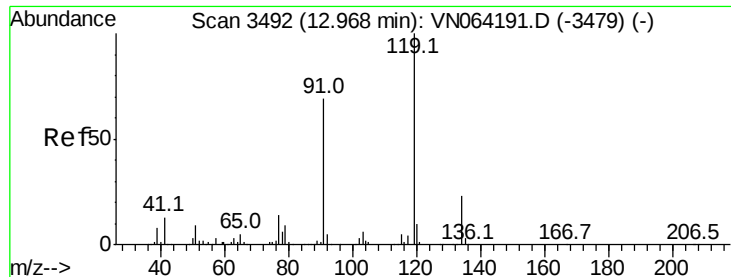
126 31.6 0.0 63.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

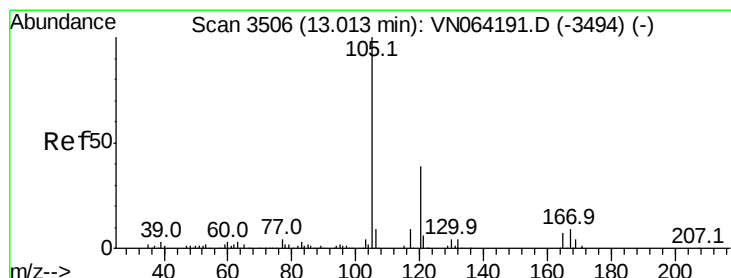
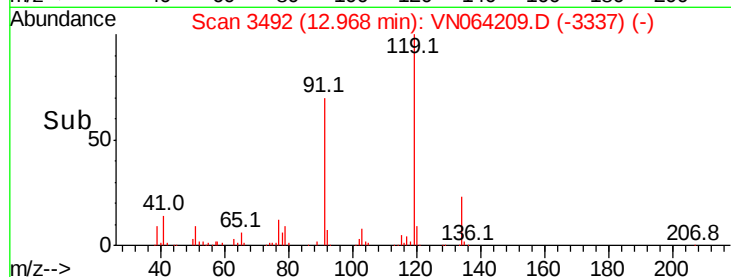
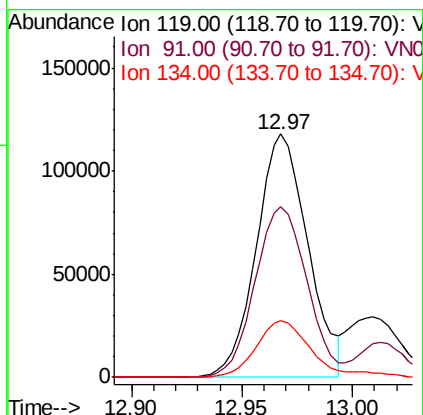
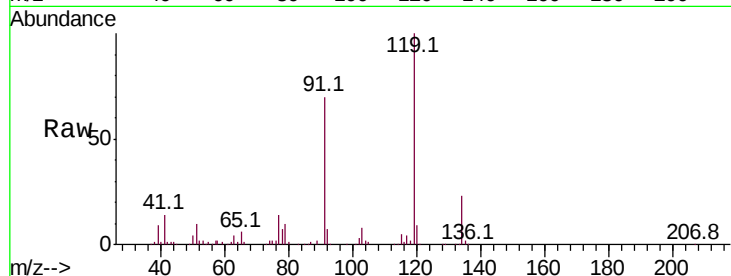




#79
tert-butylbenzene
Concen: 17.881 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

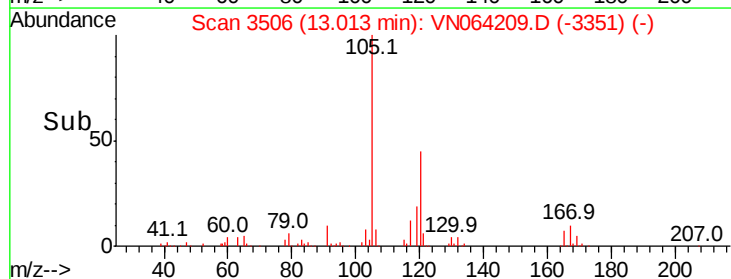
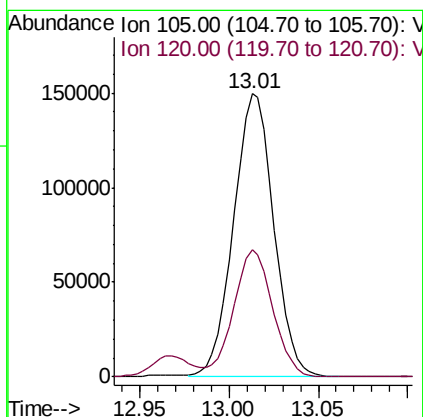
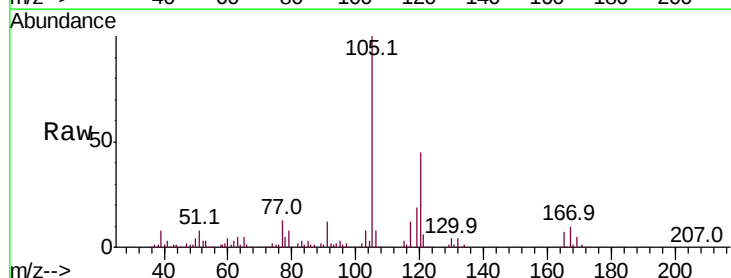
Instrument :
MSVOA_N
ClientSampled :

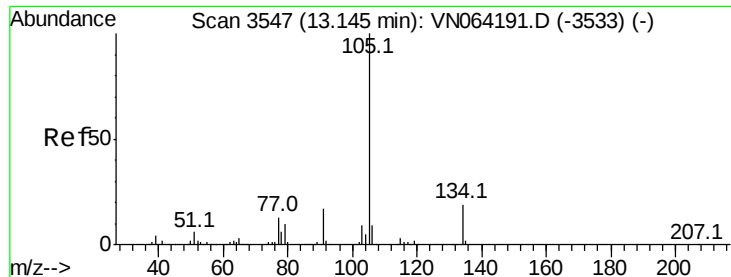
Tot Ion:119 Resp: 191663
Ion Ratio Lower Upper
119 100
91 71.2 0.0 143.2
134 24.2 0.0 49.2



#80
1,2,4-Trimethylbenzene
Concen: 17.603 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion:105 Resp: 234286
Ion Ratio Lower Upper
105 100
120 43.6 0.0 85.8





#81

sec-Butylbenzene

Concen: 17.308 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

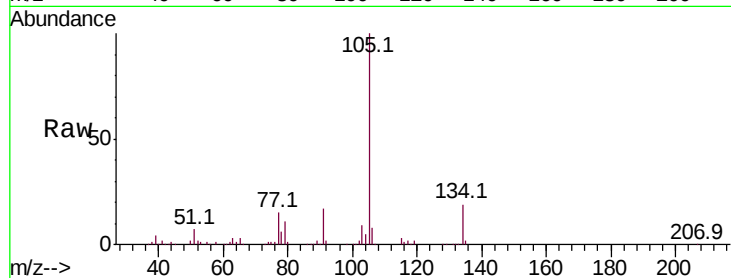
ClientSampleId :

Tot Ion:105 Resp: 241378

Ion Ratio Lower Upper

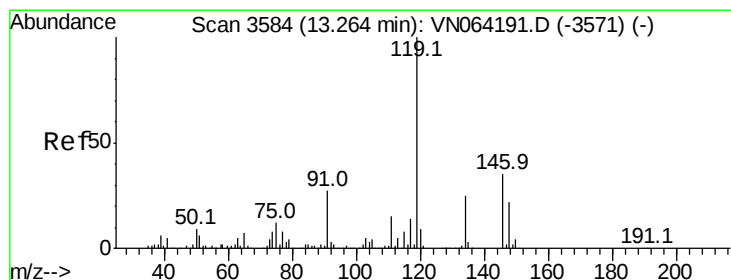
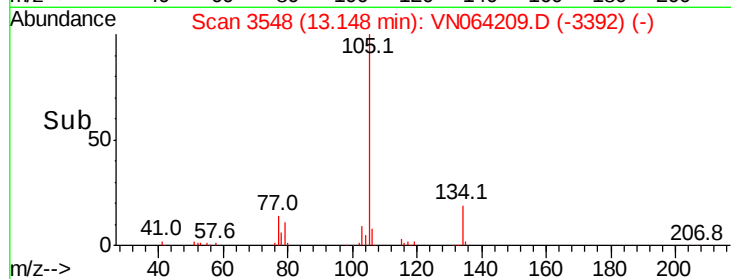
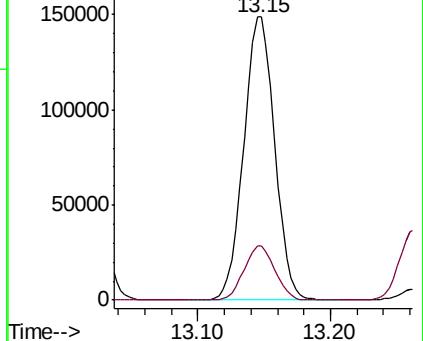
105 100

134 19.1 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: 17.376 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

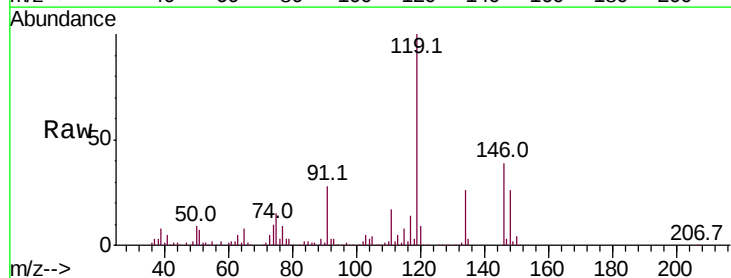
Tgt Ion:119 Resp: 224288

Ion Ratio Lower Upper

119 100

134 25.7 0.0 51.4

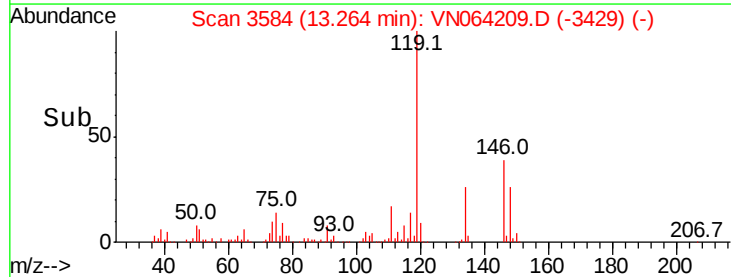
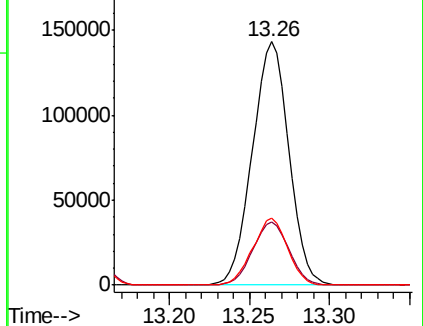
91 26.4 0.0 52.8

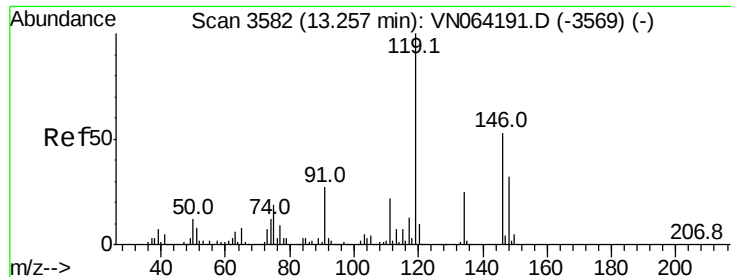


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 17.157 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

ClientSampled :

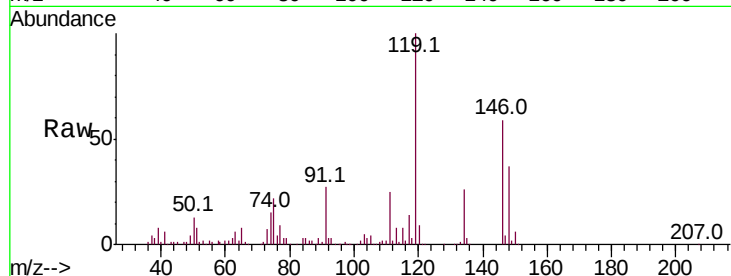
Tot Ion:146 Resp: 114265

Ion Ratio Lower Upper

146 100

111 43.6 21.8 65.4

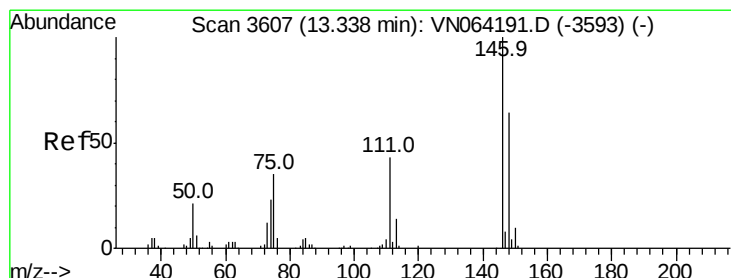
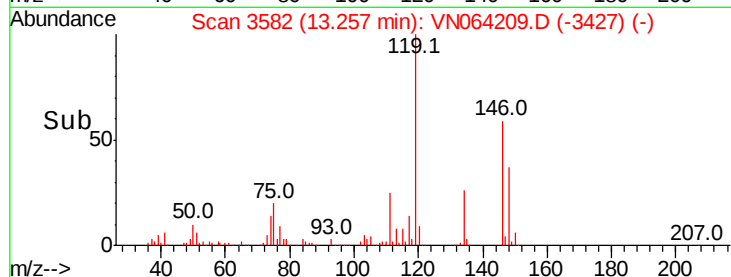
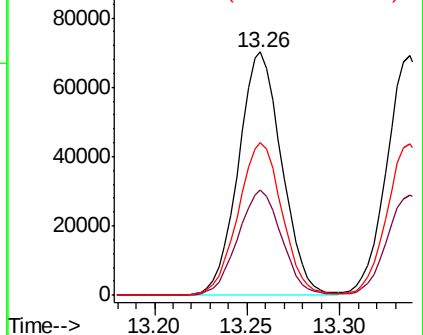
148 63.6 31.4 94.2



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: 17.298 ug/l

RT: 13.34 min Scan# 3607

Delta R.T. -0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

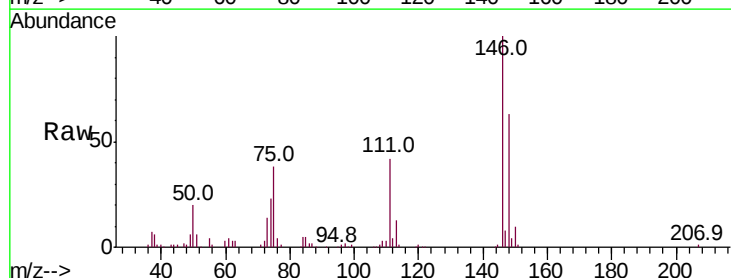
Tgt Ion:146 Resp: 115342

Ion Ratio Lower Upper

146 100

111 42.5 20.9 62.8

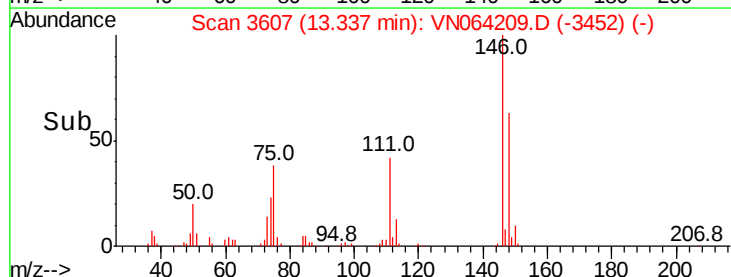
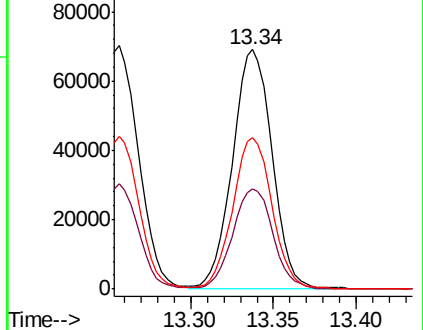
148 62.7 30.9 92.7

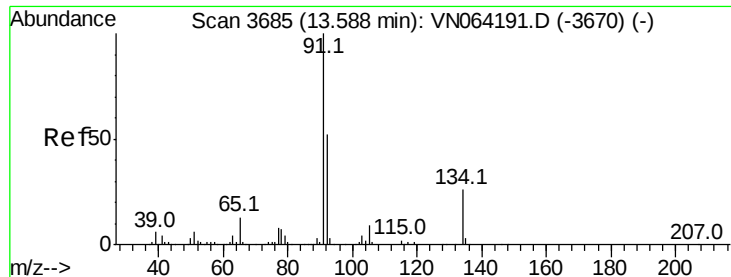


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

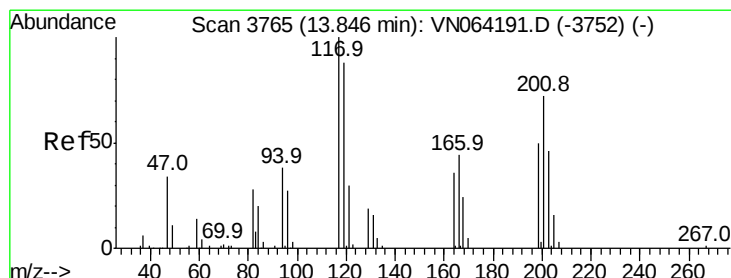
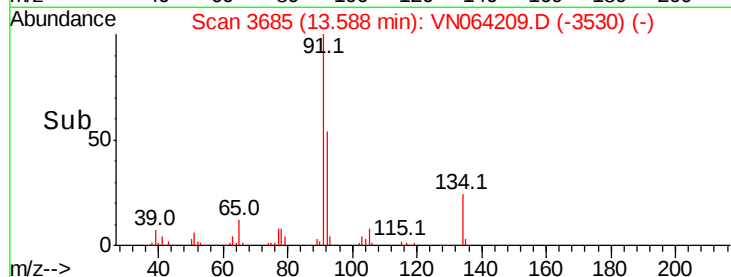
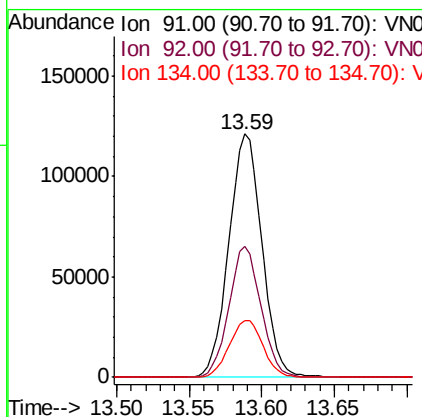
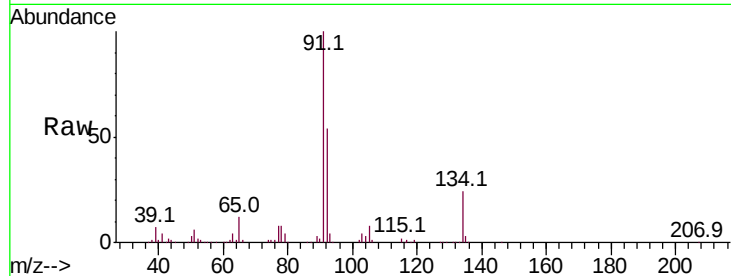




#85
n-Butylbenzene
Concen: 16.731 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

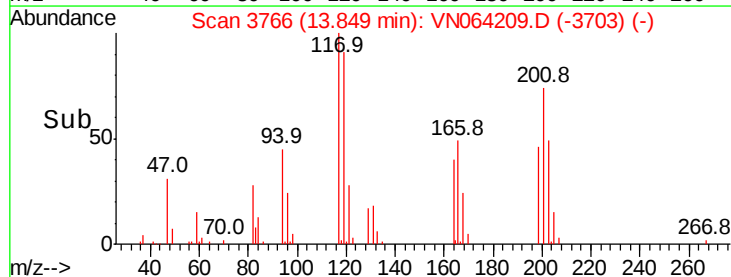
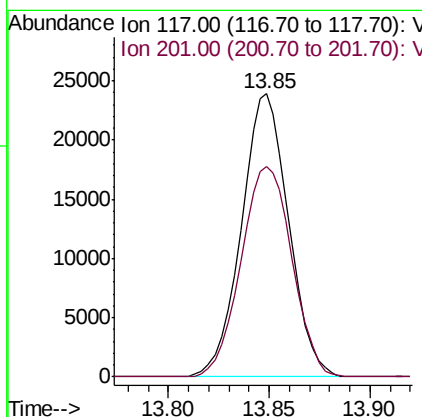
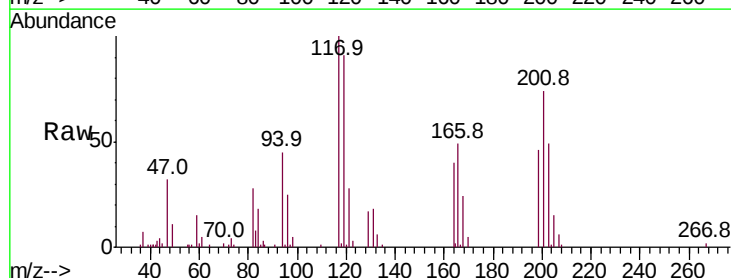
Instrument :
MSVOA_N
ClientSampleId :

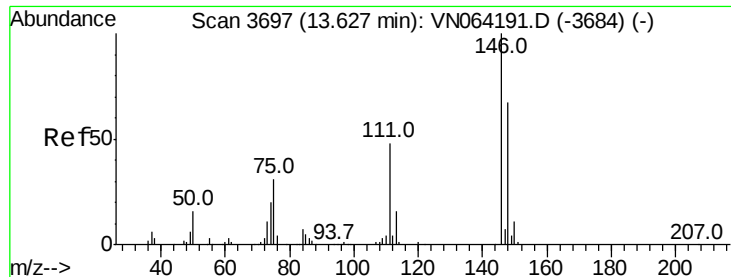
Tot Ion: 91 Resp: 191705
Ion Ratio Lower Upper
91 100
92 51.9 0.0 104.8
134 24.0 0.0 49.8



#86
Hexachloroethane
Concen: 17.592 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion: 117 Resp: 39092
Ion Ratio Lower Upper
117 100
201 80.2 37.5 112.3





#87

1,2-Dichlorobenzene

Concen: 17.418 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

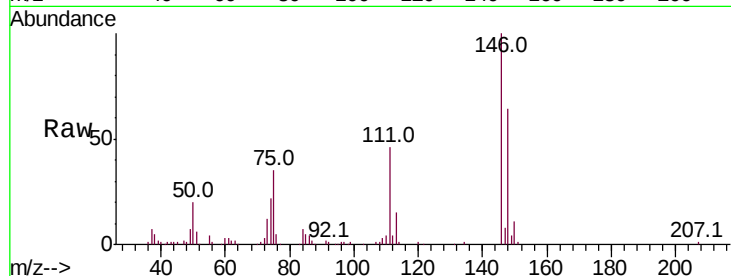
Tot Ion:146 Resp: 113125

Ion Ratio Lower Upper

146 100

111 45.6 22.6 67.8

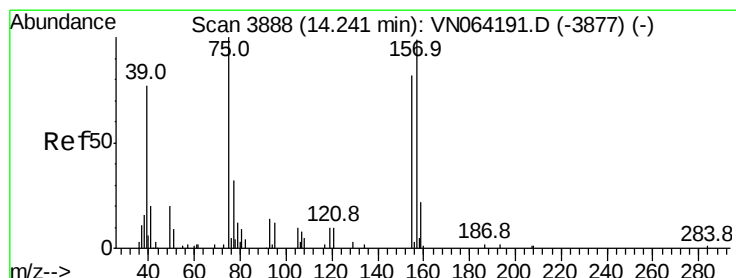
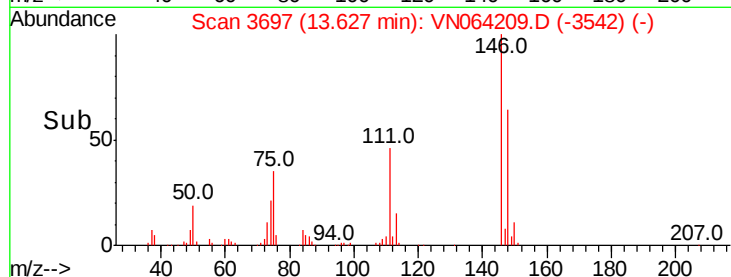
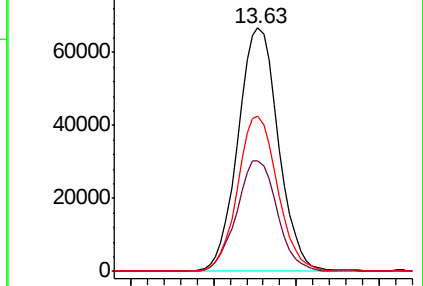
148 63.1 32.6 97.8



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



#88

1,2-Dibromo-3-Chloropropane

Concen: 17.708 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

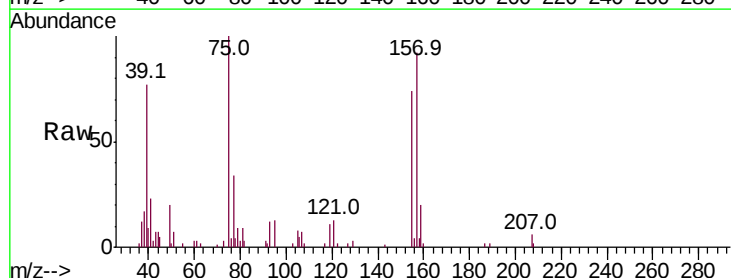
Tgt Ion: 75 Resp: 18936

Ion Ratio Lower Upper

75 100

155 70.2 61.1 91.7

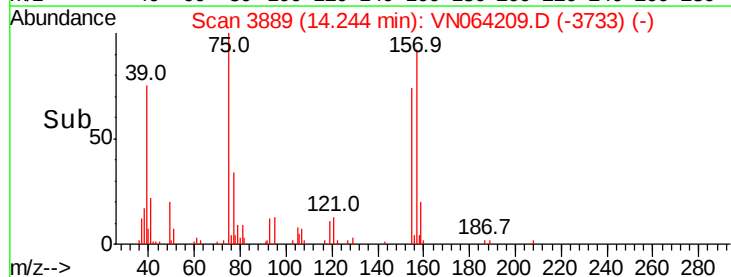
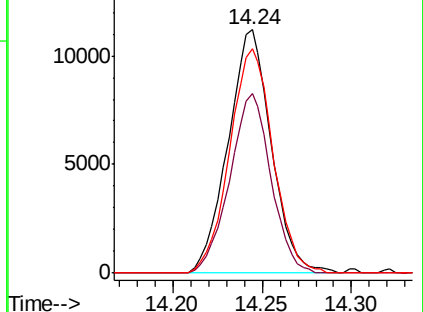
157 92.4 76.5 114.7

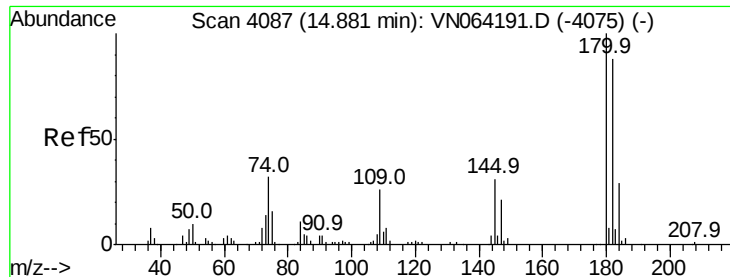


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

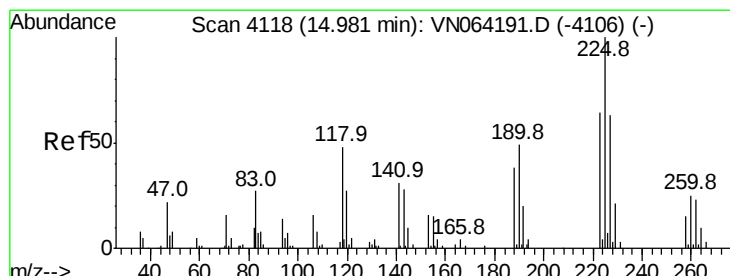
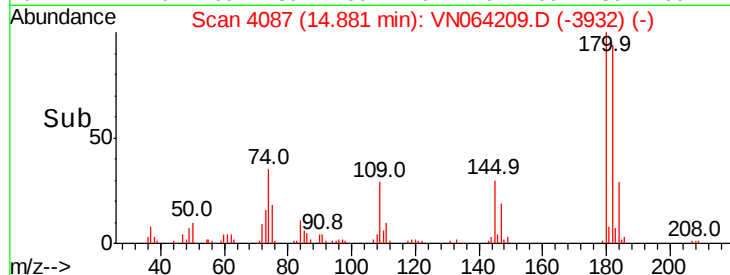
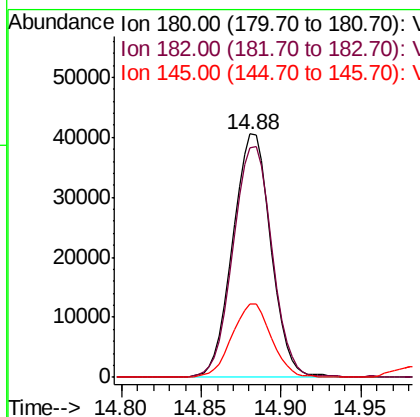
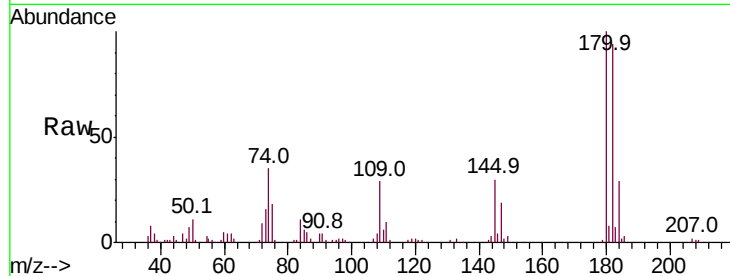




#89
1,2,4-Trichlorobenzene
Concen: 16.894 ug/l
RT: 14.88 min Scan# 4087
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

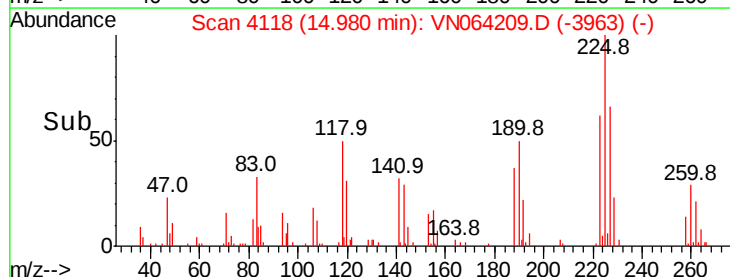
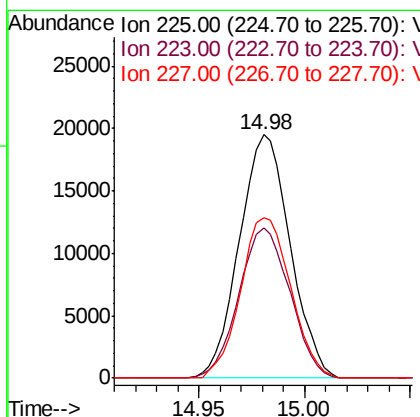
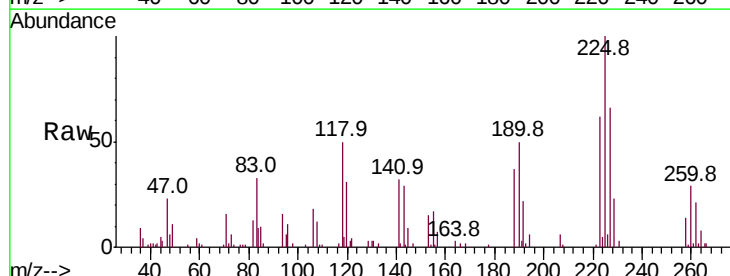
Instrument :
MSVOA_N
ClientSampled :

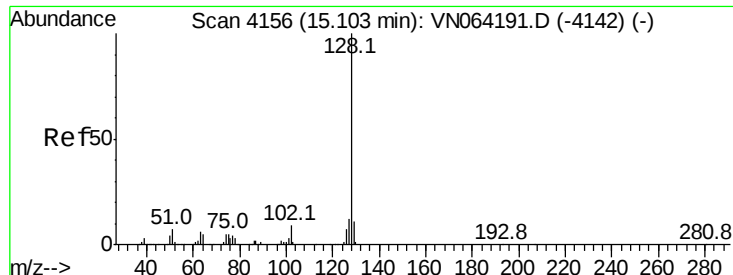
Tot Ion:180 Resp: 65890
Ion Ratio Lower Upper
180 100
182 96.7 73.0 109.4
145 31.0 24.3 36.5



#90
Hexachlorobutadiene
Concen: 16.544 ug/l
RT: 14.98 min Scan# 4118
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion:225 Resp: 32706
Ion Ratio Lower Upper
225 100
223 61.8 0.0 127.0
227 64.9 0.0 129.4





#91

Naphthalene

Concen: 17.164 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

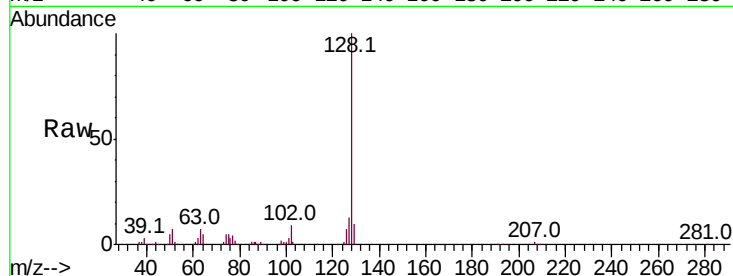
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 202917

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.9	8.7	13.1

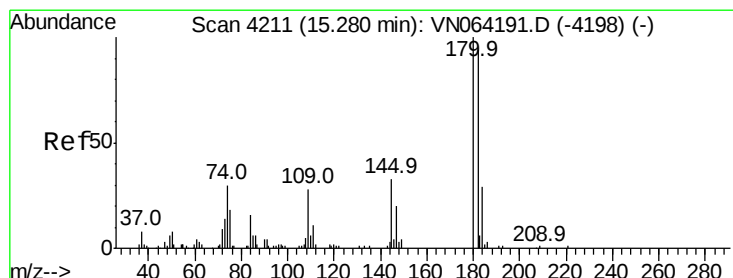
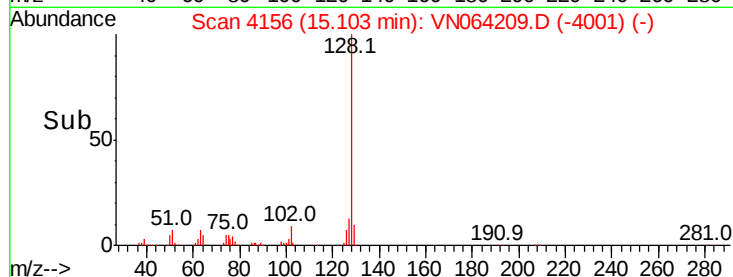
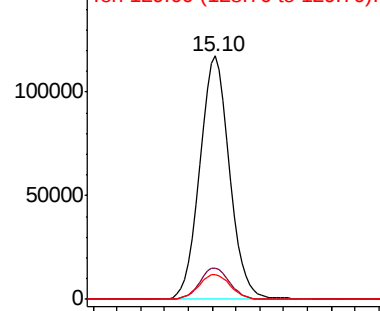


Abundance

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: 17.490 ug/l

RT: 15.28 min Scan# 4212

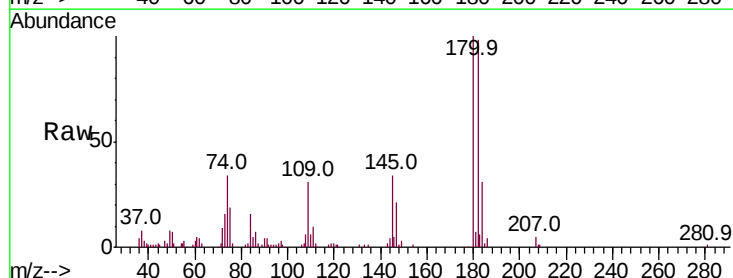
Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Tgt Ion:180 Resp: 65237

Ion	Ratio	Lower	Upper
180	100		
182	93.7	0.0	190.0
145	34.0	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

