

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100620\
 Data File : VN063889.D
 Acq On : 6 Oct 2020 10:51
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Quant Time: Oct 06 12:23:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 12:20:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	50711	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	265864	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	254780	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	138051	36.54	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	121.80%
60) 4-Bromofluorobenzene	12.38	95	125834	30.79	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.63%
63) Toluene-d8	10.06	98	347277	29.78	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.27%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	78474	21.327	ug/l 100
3) Chloromethane	2.04	50	77965	19.564	ug/l 100
4) Vinyl Chloride	2.17	62	77321	19.257	ug/l 100
5) Bromomethane	2.55	94	48799	19.605	ug/l 100
6) Chloroethane	2.68	64	47908	19.985	ug/l 100
7) Trichlorofluoromethane	2.99	101	120091	23.433	ug/l 100
8) Diethyl Ether	3.38	74	37775	22.274	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	63085	22.743	ug/l 100
10) 1,1-Dichloroethene	3.70	96	57743	23.074	ug/l 100
11) Methyl Iodide	3.91	142	73413	21.572	ug/l 100
12) Methyl Acetate	4.28	43	71786	21.984	ug/l 100
13) Acrolein	3.57	56	28141	86.935	ug/l 100
14) Acrylonitrile	4.93	53	141973	101.166	ug/l 100
15) Acetone	3.78	58	42485	103.890	ug/l 100
16) Carbon Disulfide	4.01	76	170489	24.832	ug/l 100
17) Allyl chloride	4.28	41	113758	24.232	ug/l 100
18) Methylene Chloride	4.51	84	70644	20.844	ug/l 100
19) trans-1,2-Dichloroethene	5.00	96	62690	22.797	ug/l 100
20) Diisopropyl ether	5.91	45	214135	20.620	ug/l 100
21) 1,1-Dichloroethane	5.80	63	133116	22.701	ug/l 100
22) cis-1,2-Dichloroethene	6.78	96	71592	21.360	ug/l 100
23) tert-Butyl Alcohol	4.73	59	62389	127.238	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	194478	21.533	ug/l 100
25) Chloroform	7.33	83	138408	23.409	ug/l 100
26) Cyclohexane	7.61	56	91142	18.896	ug/l 100
29) 1,1-Dichloropropene	7.75	75	99531	23.987	ug/l 100
30) 2-Butanone	6.78	43	238787	122.849	ug/l 100
31) 2,2-Dichloropropane	6.77	77	120178	23.853	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	128331	25.329	ug/l 100
33) Carbon Tetrachloride	7.73	117	111060	25.575	ug/l 100
34) Benzene	8.00	78	283228	21.987	ug/l 100
35) Methacrylonitrile	7.12	41	42626	23.679	ug/l 100
36) 1,2-Dichloroethane	8.09	62	123885	26.568	ug/l 100
37) Trichloroethene	8.80	130	71955	22.591	ug/l 100
38) Methylcyclohexane	9.05	83	81475	16.982	ug/l 100
39) 1,2-Dichloropropane	9.08	63	78109	21.078	ug/l 100
40) Dibromomethane	9.18	93	54583	24.327	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	109985	22.546	ug/l	100
42) Vinyl Acetate	5.85	43	999247	131.304	ug/l	100
43) Ethyl Acetate	6.88	43	99533	26.317	ug/l	100
44) Isopropyl Acetate	8.13	43	171311	26.504	ug/l #	100
45) 1,4-Dioxane	9.17	88	21523	390.925	ug/l	100
46) Methyl methacrylate	9.17	41	85784	26.926	ug/l	100
47) n-amyl Acetate	12.05	43	143890	25.306	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	118619	22.835	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	120668	21.752	ug/l	100
50) 1,1,2-Trichloroethane	10.53	97	70500	21.193	ug/l	100
51) Ethyl methacrylate	10.40	69	99851	21.682	ug/l	99
52) 1,3-Dichloropropane	10.68	76	119691	21.672	ug/l	100
53) Dibromochloromethane	10.87	129	82101	22.178	ug/l	100
54) 1,2-Dibromoethane	10.98	107	74685	22.906	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	252553	199.933	ug/l	100
56) Bromoform	12.10	173	53765	20.119	ug/l	100
58) 4-Methyl-2-Pentanone	9.95	43	528930	131.206	ug/l	100
59) 2-Hexanone	10.72	43	384794	132.430	ug/l	100
61) Tetrachloroethene	10.60	164	70608	23.748	ug/l	100
62) Toluene	10.13	91	306672	21.789	ug/l	100
64) Chlorobenzene	11.41	112	184317	21.298	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	72571	21.173	ug/l	100
66) Ethyl Benzene	11.49	91	331868	21.513	ug/l	100
67) m/p-Xylenes	11.59	106	249386	43.221	ug/l	100
68) o-Xylene	11.92	106	116169	21.057	ug/l	100
69) Styrene	11.94	104	197659	20.611	ug/l	100
70) Isopropylbenzene	12.23	105	310938	20.808	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	98907	20.864	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	139480	31.902	ug/l	69
73) Bromobenzene	12.50	156	76965	19.436	ug/l	100
74) n-propylbenzene	12.57	91	362208	20.296	ug/l	100
75) 2-Chlorotoluene	12.65	91	221801	20.775	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	260560	20.513	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	34358	22.261	ug/l	100
78) 4-Chlorotoluene	12.75	91	234709	21.185	ug/l	100
79) tert-butylbenzene	12.97	119	206439	19.449	ug/l	100
80) 1,2,4-Trimethylbenzene	13.02	105	263529	21.105	ug/l	100
81) sec-Butylbenzene	13.15	105	274210	18.896	ug/l	100
82) p-Isopropyltoluene	13.26	119	241717	18.757	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	137612	19.789	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	135559	19.856	ug/l	100
85) n-Butylbenzene	13.59	91	211068	19.311	ug/l	100
86) Hexachloroethane	13.85	117	41663	16.895	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	137497	20.517	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.24	75	23541	28.096	ug/l	100
89) 1,2,4-Trichlorobenzene	14.88	180	67104	19.837	ug/l	100
90) Hexachlorobutadiene	14.98	225	37642	16.110	ug/l	100
91) Naphthalene	15.10	128	211515	25.905	ug/l	100
92) 1,2,3-Trichlorobenzene	15.29	180	66974	19.936	ug/l	100

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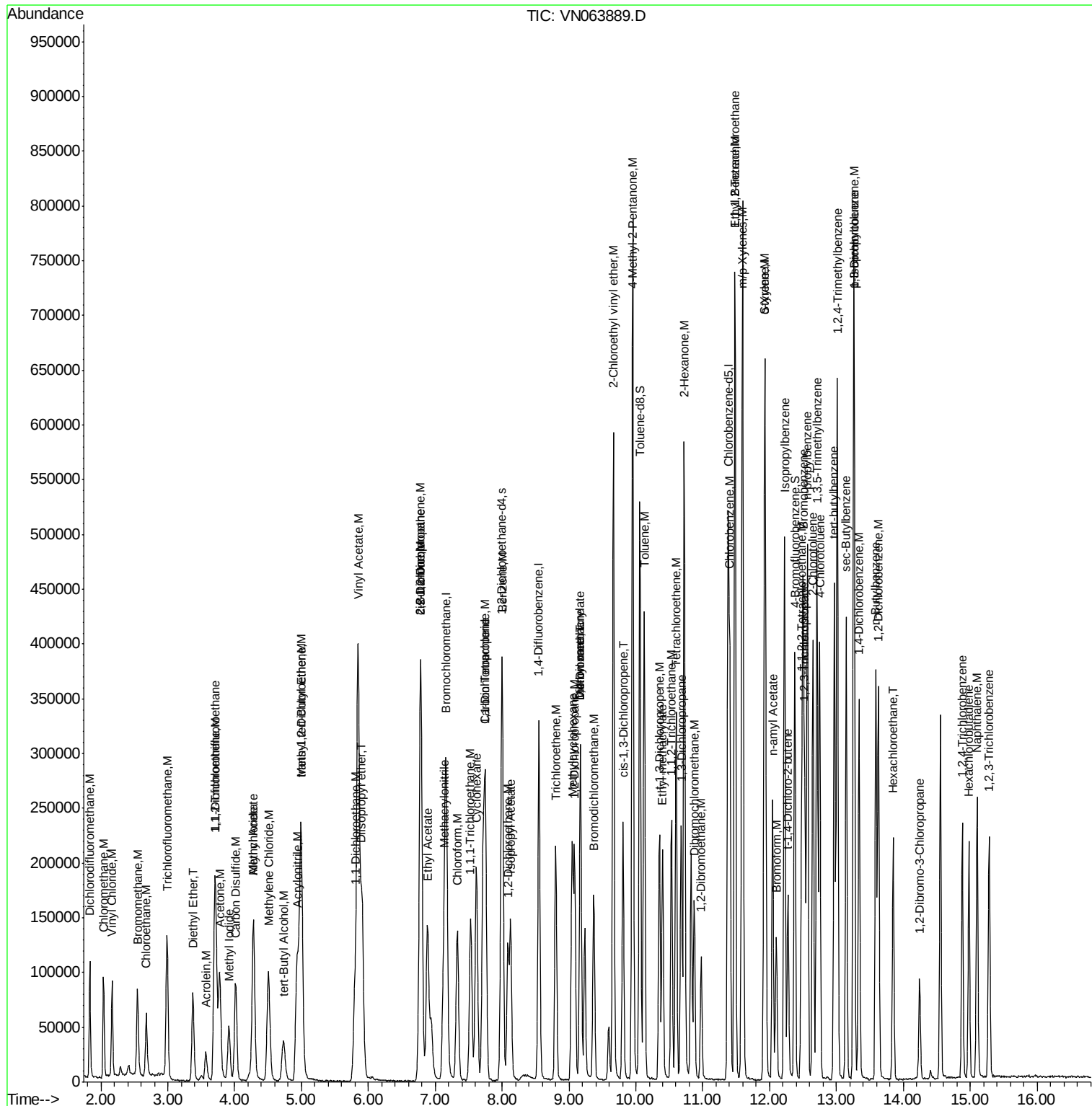
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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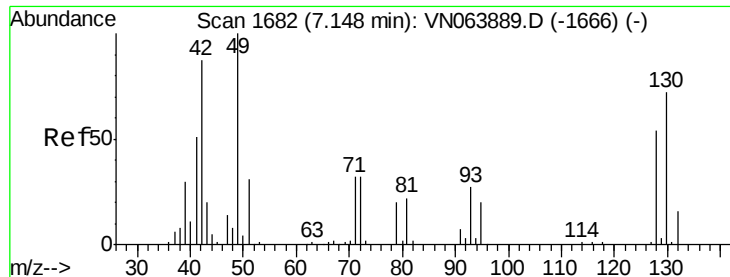
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN100620\
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

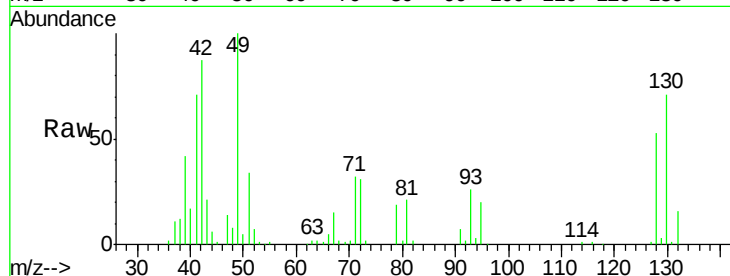
Tgt Ion:128 Resp: 50711

Ion Ratio Lower Upper

128 100

49 184.7 0.0 461.8

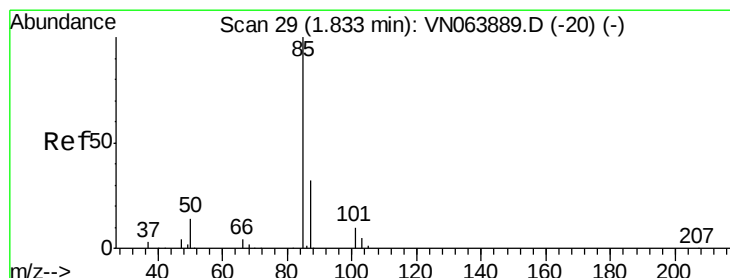
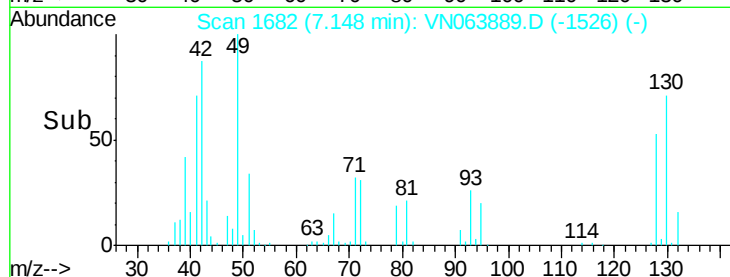
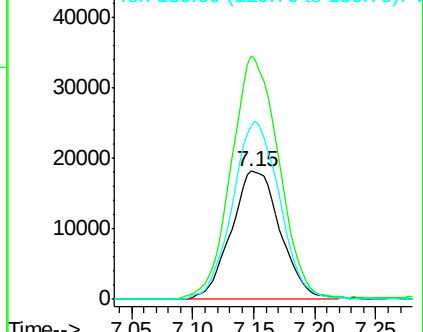
130 132.7 0.0 331.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.327 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063889.D

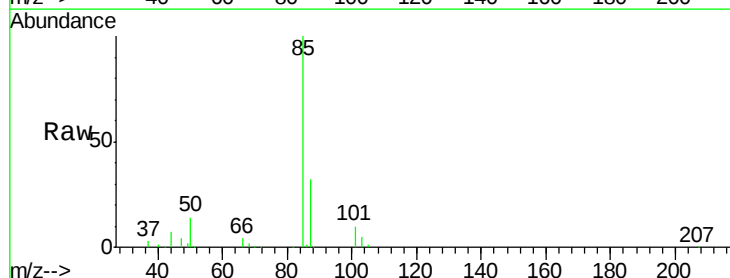
Acq: 6 Oct 2020 10:51

Tgt Ion: 85 Resp: 78474

Ion Ratio Lower Upper

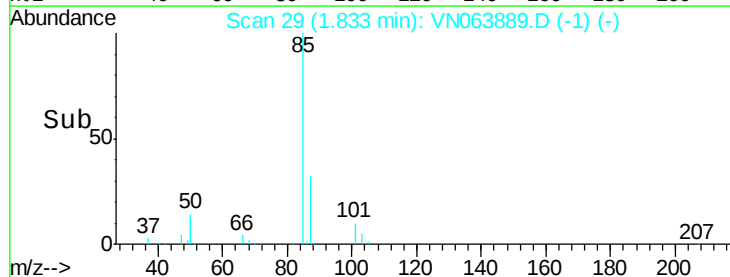
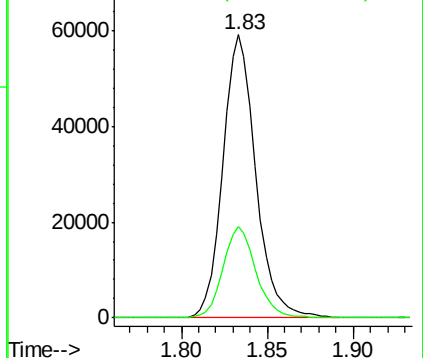
85 100

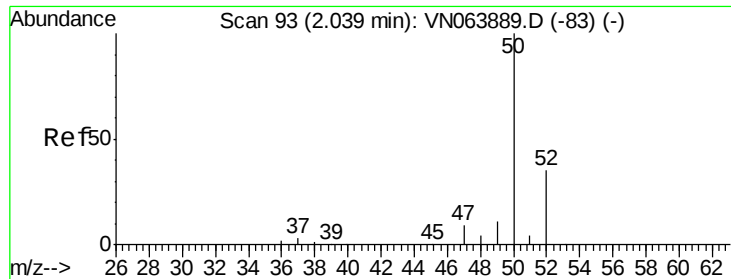
87 32.1 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): V

Ion 87.00 (86.70 to 87.70): V





#3

Chloromethane

Concen: 19.564 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

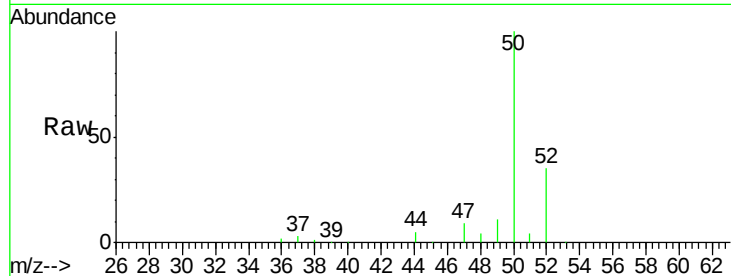
VSTDICCC020

Tgt Ion: 50 Resp: 77965

Ion Ratio Lower Upper

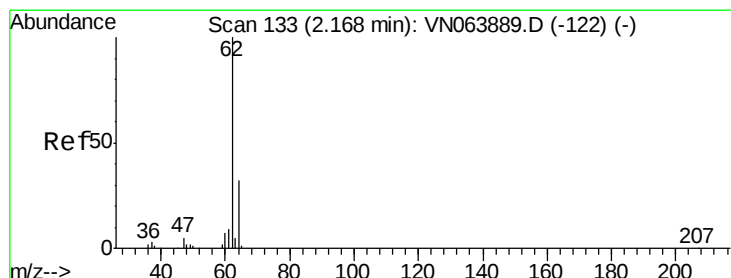
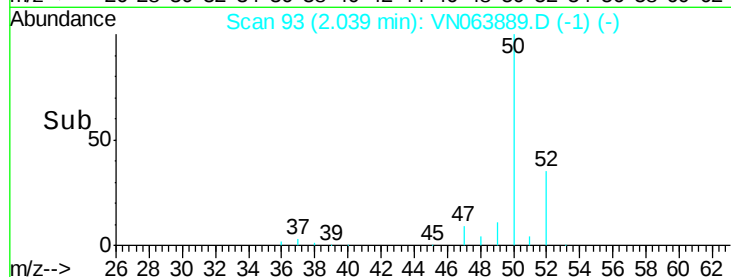
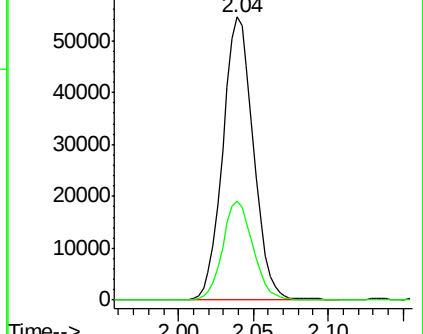
50 100

52 34.9 27.9 41.9



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.257 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063889.D

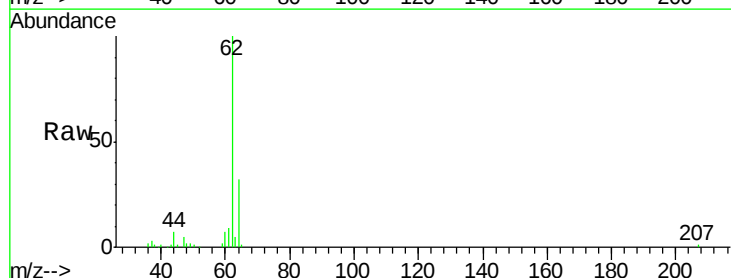
Acq: 6 Oct 2020 10:51

Tgt Ion: 62 Resp: 77321

Ion Ratio Lower Upper

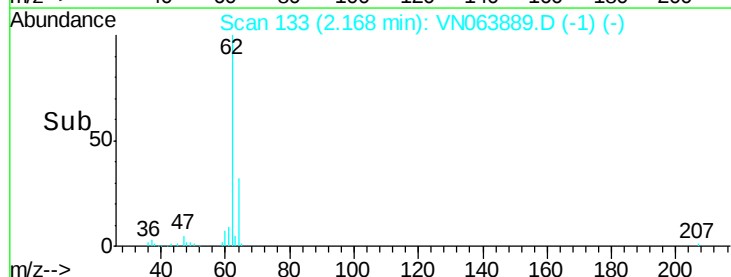
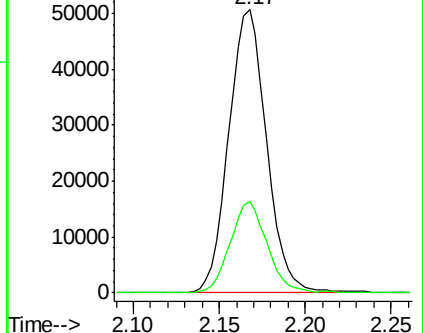
62 100

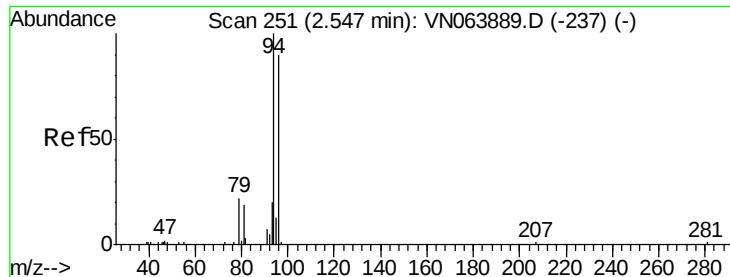
64 32.5 26.0 39.0



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 19.605 ug/l

RT: 2.55 min Scan# 251

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

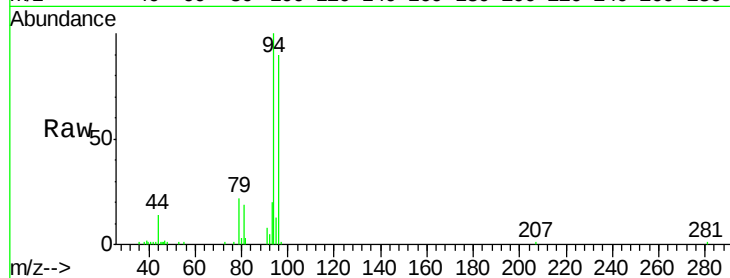
VSTDICCC020

Tgt Ion: 94 Resp: 48799

Ion Ratio Lower Upper

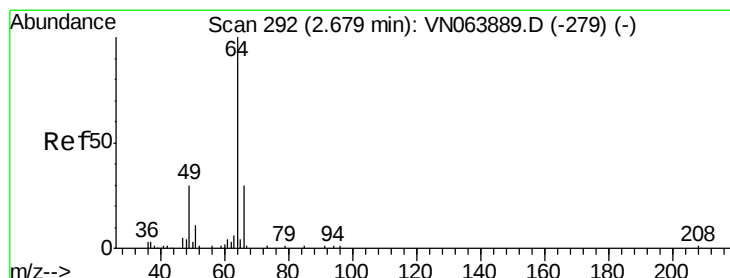
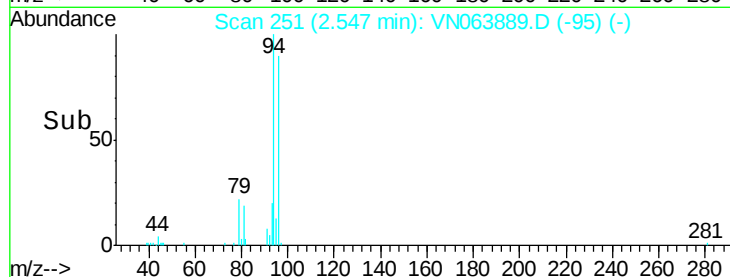
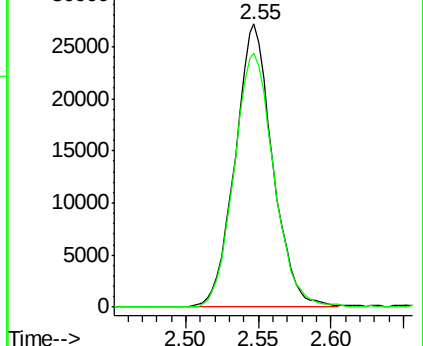
94 100

96 89.9 71.9 107.9



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.985 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN063889.D

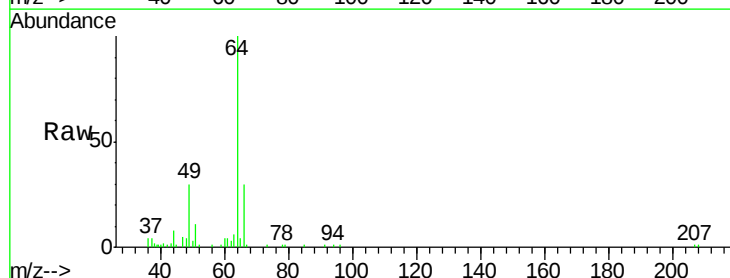
Acq: 6 Oct 2020 10:51

Tgt Ion: 64 Resp: 47908

Ion Ratio Lower Upper

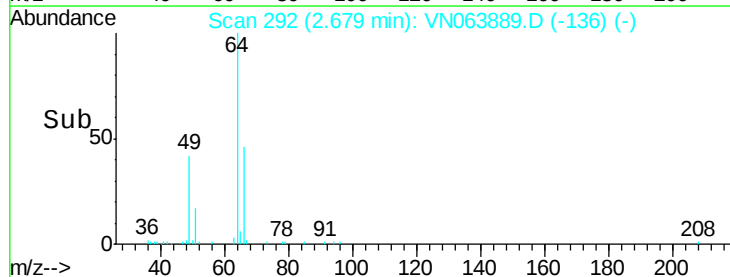
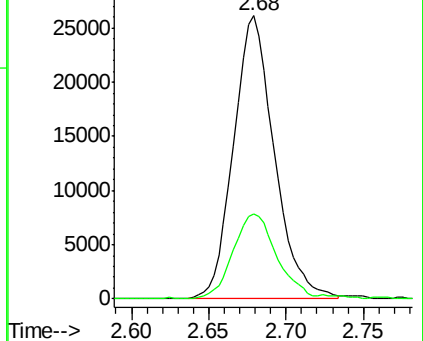
64 100

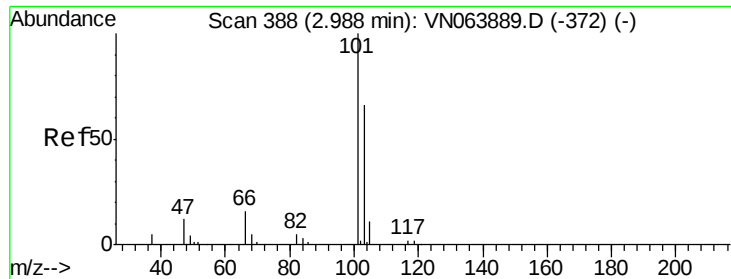
66 30.2 24.2 36.2



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



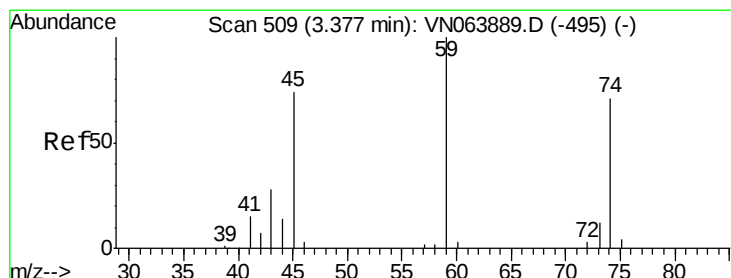
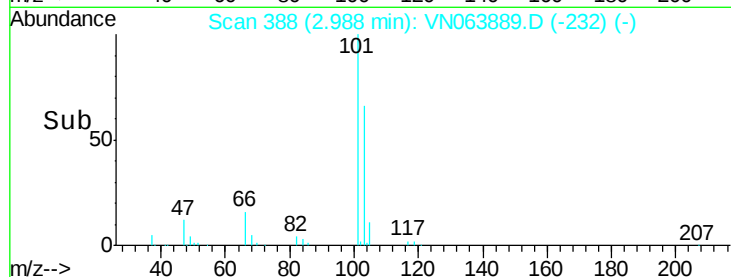
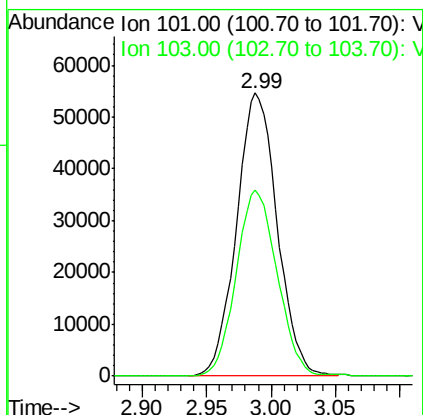
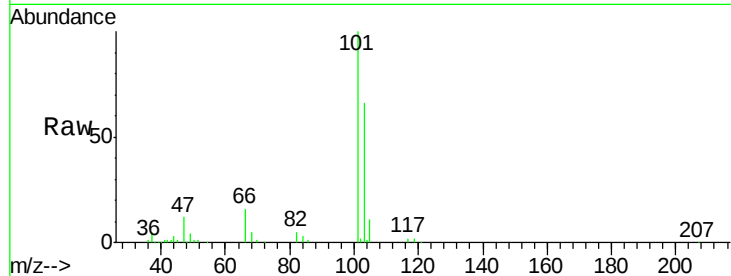


#7

Trichlorofluoromethane
 Concen: 23.433 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063889.D
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Instrument :
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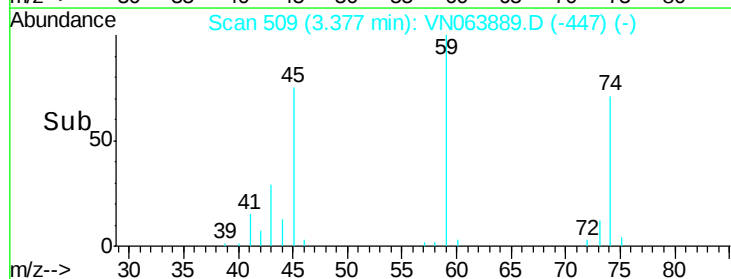
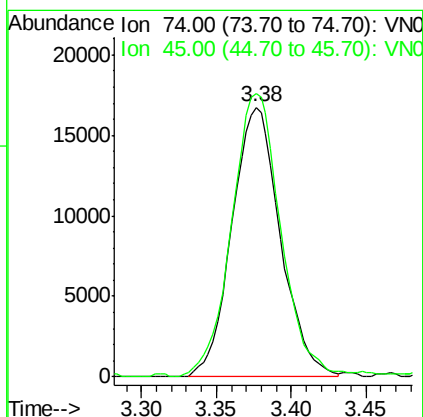
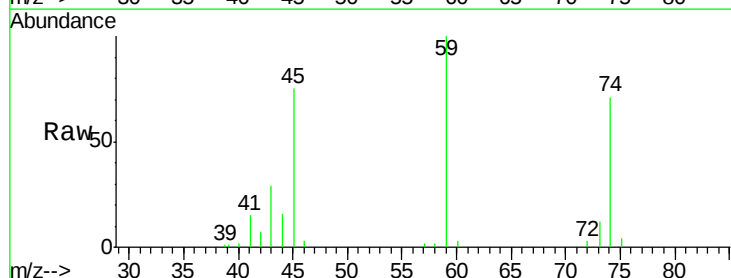
Tgt Ion:101 Resp: 120091
 Ion Ratio Lower Upper
 101 100
 103 65.7 52.6 78.8

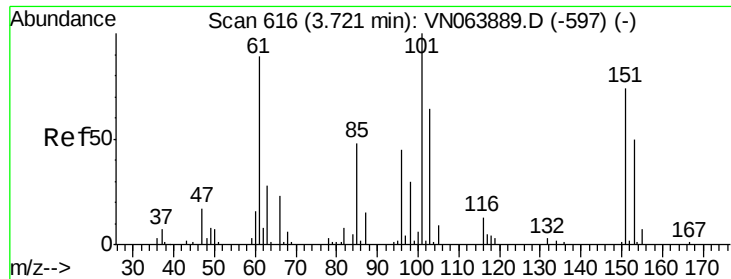


#8

Diethyl Ether
 Concen: 22.274 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Tgt Ion: 74 Resp: 37775
 Ion Ratio Lower Upper
 74 100
 45 107.0 21.4 192.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.743 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

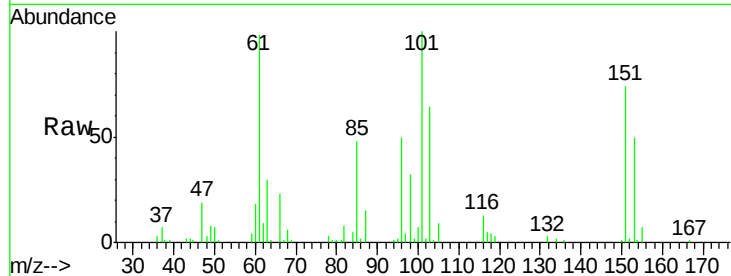
Tgt Ion: 101 Resp: 63085

Ion Ratio Lower Upper

101 100

85 47.3 0.0 94.6

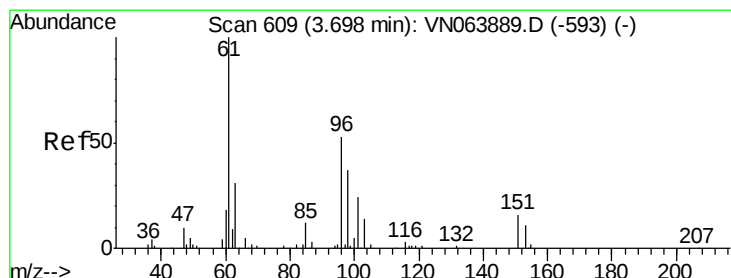
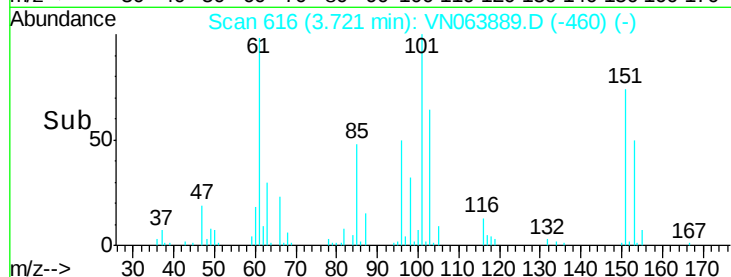
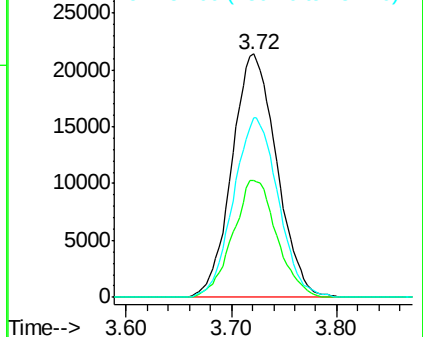
151 73.5 0.0 147.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 23.074 ug/l

RT: 3.70 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

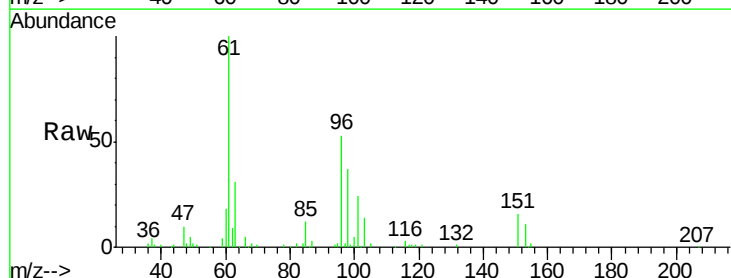
Tgt Ion: 96 Resp: 57743

Ion Ratio Lower Upper

96 100

61 188.0 150.4 225.6

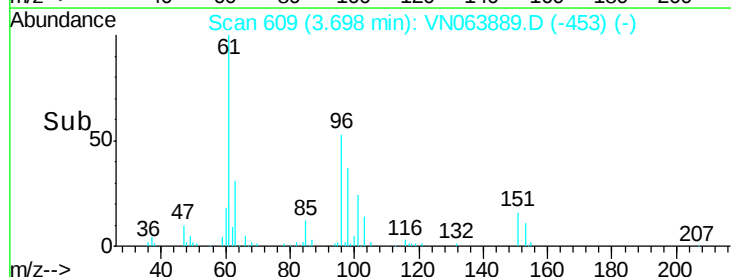
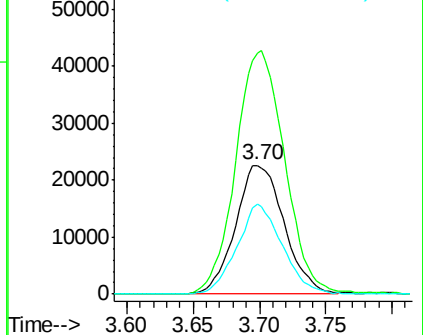
98 69.8 55.8 83.8

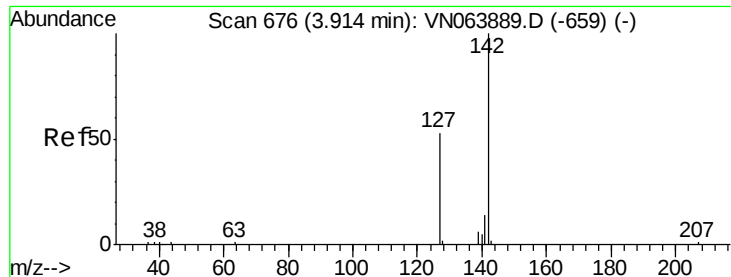


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

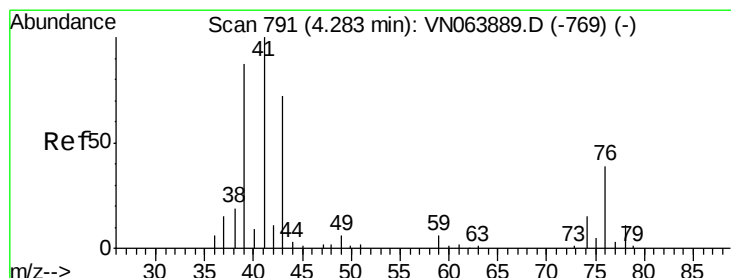
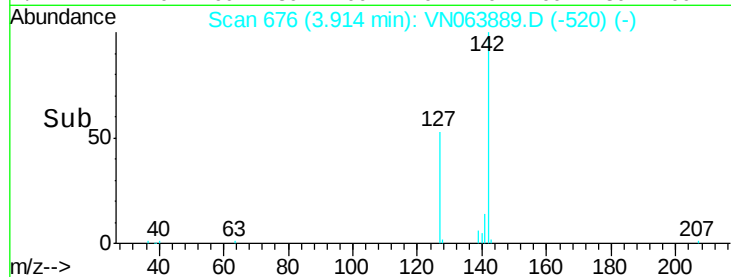
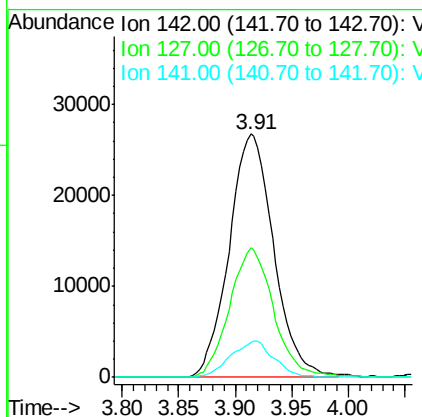
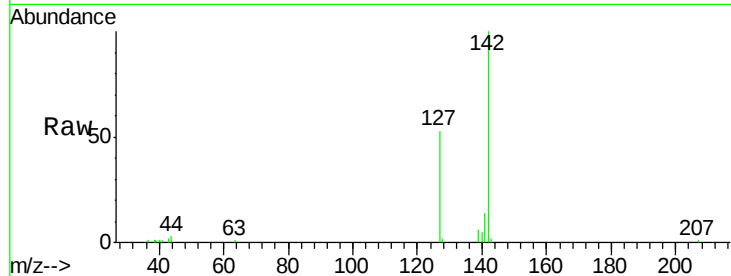




#11
Methyl Iodide
Concen: 21.572 ug/l
RT: 3.91 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

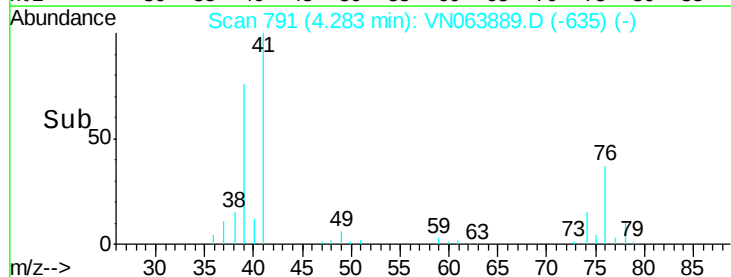
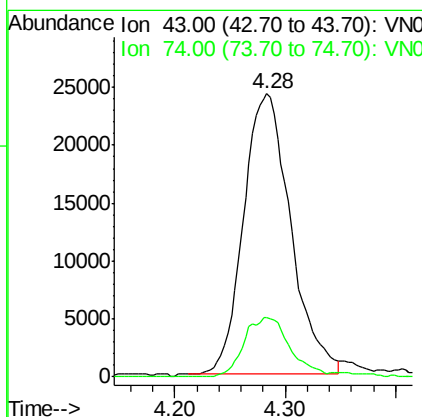
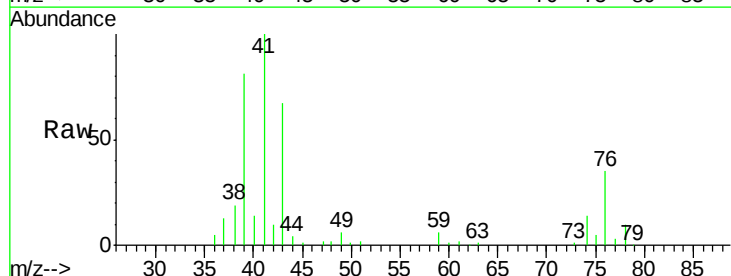
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

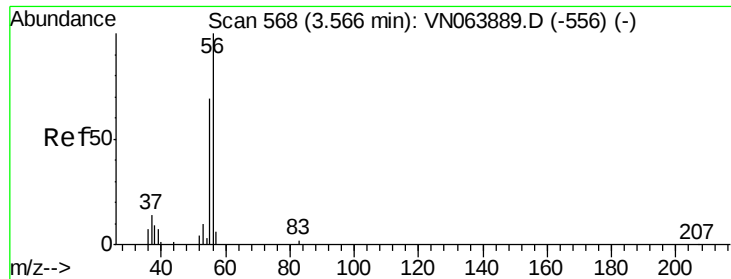
Tgt Ion:142 Resp: 73413
Ion Ratio Lower Upper
142 100
127 52.9 26.5 79.4
141 14.3 7.1 21.4



#12
Methyl Acetate
Concen: 21.984 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion: 43 Resp: 71786
Ion Ratio Lower Upper
43 100
74 20.9 16.7 25.1





#13

Acrolein

Concen: 86.935 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

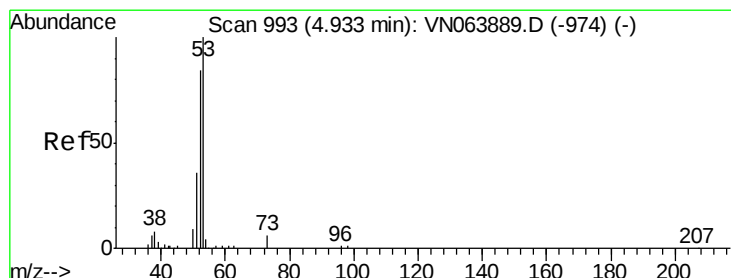
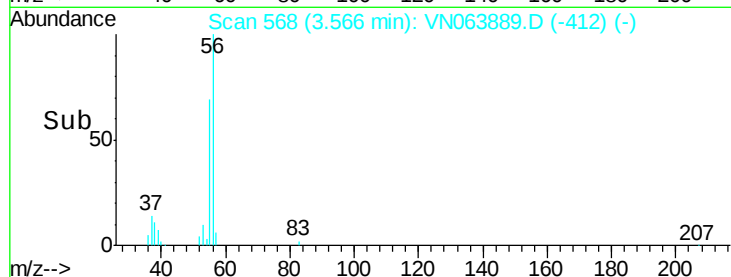
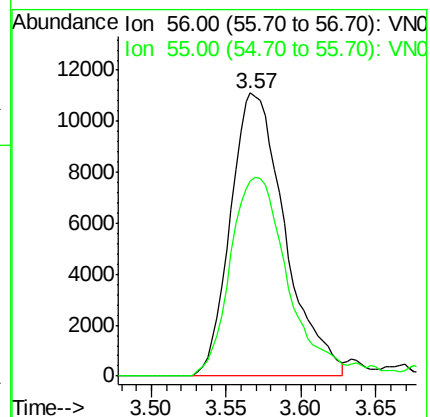
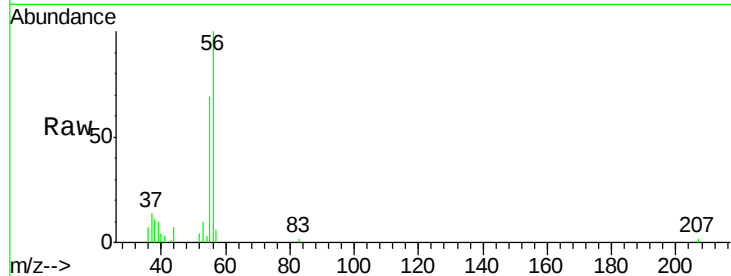
VSTDICCC020

Tgt Ion: 56 Resp: 28141

Ion Ratio Lower Upper

56 100

55 73.2 58.6 87.8



#14

Acrylonitrile

Concen: 101.166 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

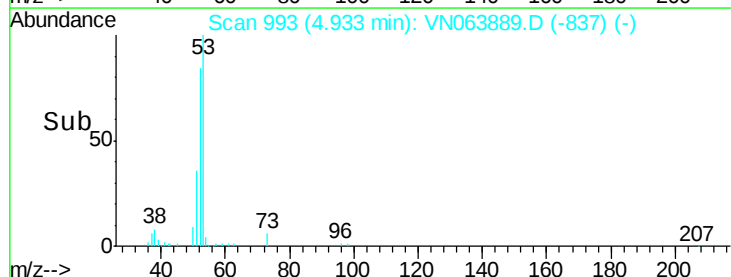
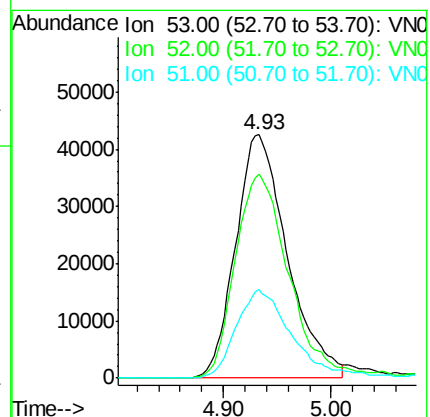
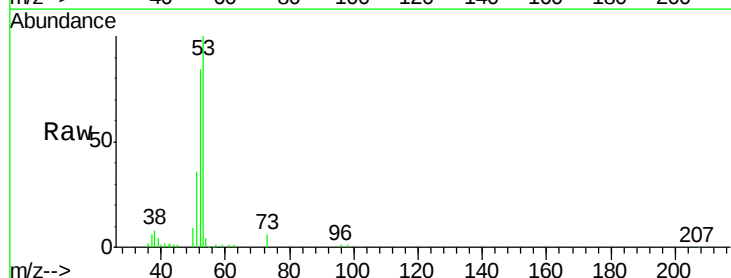
Tgt Ion: 53 Resp: 141973

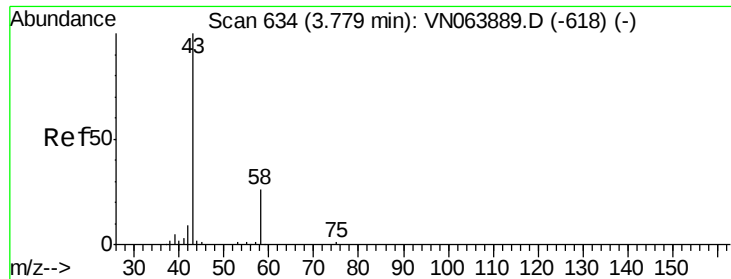
Ion Ratio Lower Upper

53 100

52 86.4 43.2 129.6

51 38.9 19.4 58.4





#15

Acetone

Concen: 103.890 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

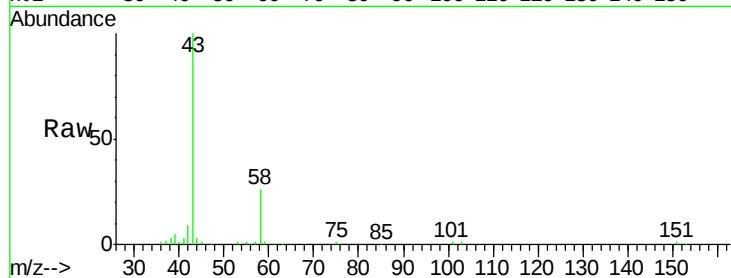
VSTDICCC020

Tgt Ion: 58 Resp: 42485

Ion Ratio Lower Upper

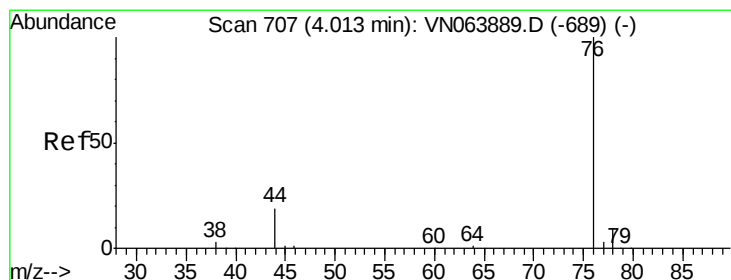
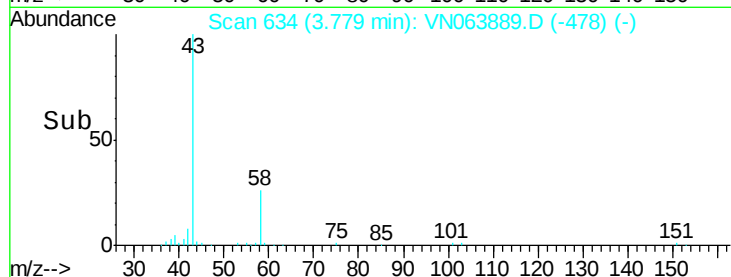
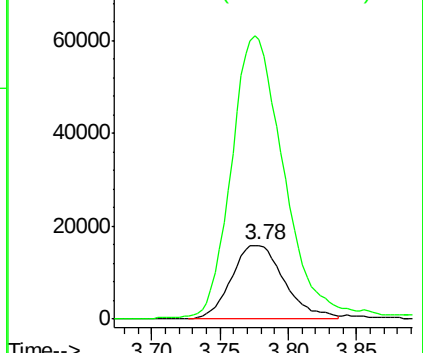
58 100

43 378.0 302.4 453.6



Abundance Ion 58.00 (57.70 to 58.70): VN063889.D (-618) (-)

Ion 43.00 (42.70 to 43.70): VN063889.D (-618) (-)



#16

Carbon Disulfide

Concen: 24.832 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063889.D

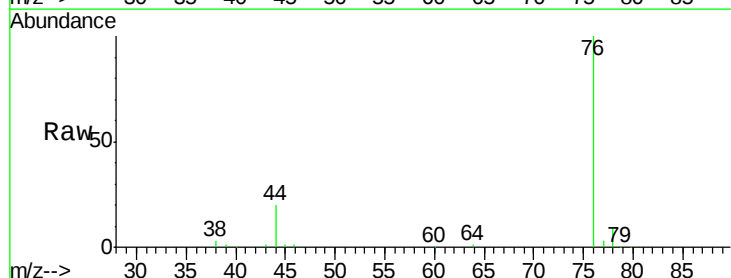
Acq: 6 Oct 2020 10:51

Tgt Ion: 76 Resp: 170489

Ion Ratio Lower Upper

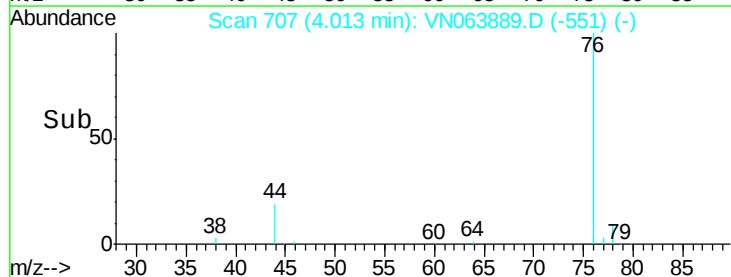
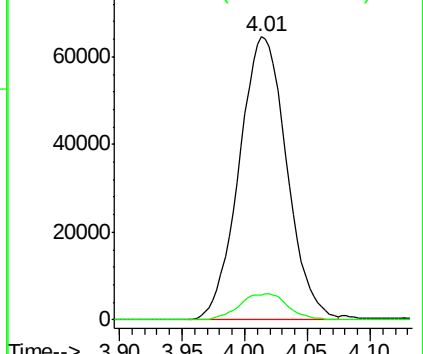
76 100

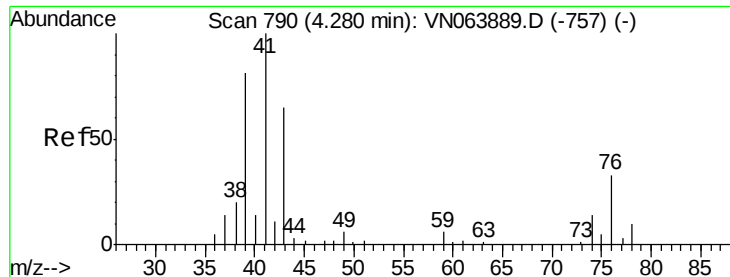
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN063889.D (-689) (-)

Ion 78.00 (77.70 to 78.70): VN063889.D (-689) (-)

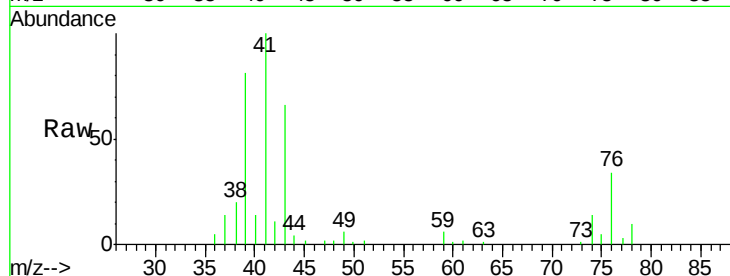




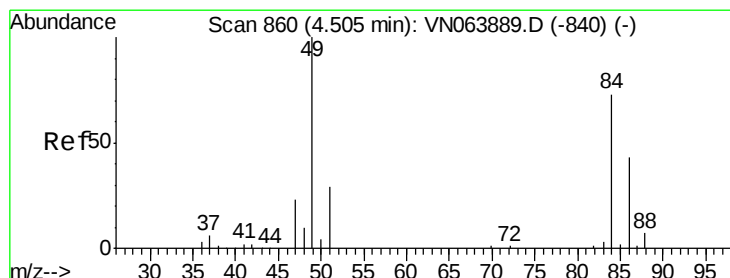
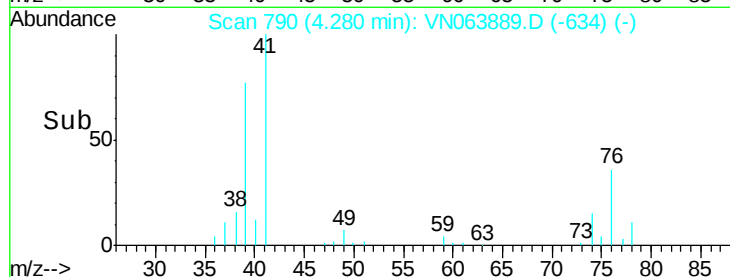
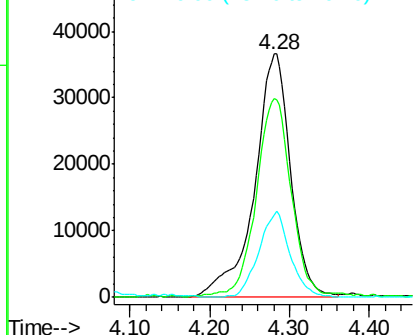
#17
 Allyl chloride
 Concen: 24.232 ug/l
 RT: 4.28 min Scan# 790
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 41 Resp: 113758
 Ion Ratio Lower Upper
 41 100
 39 81.4 40.7 122.1
 76 33.9 17.0 50.9

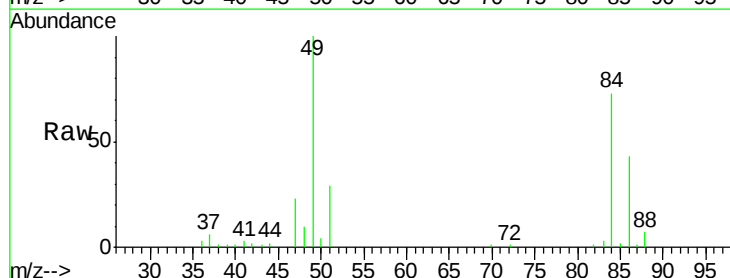


Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0
 Ion 76.00 (75.70 to 76.70): VN0

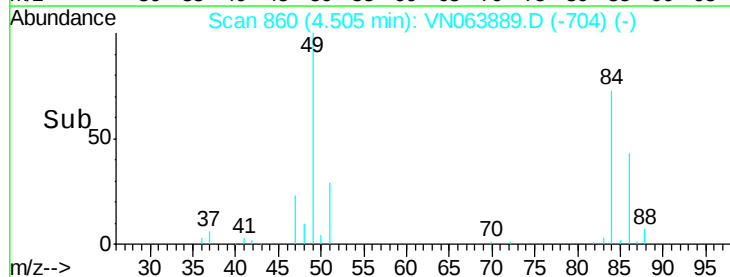
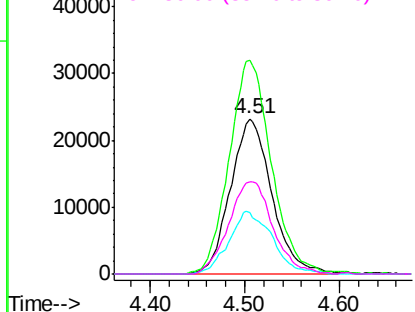


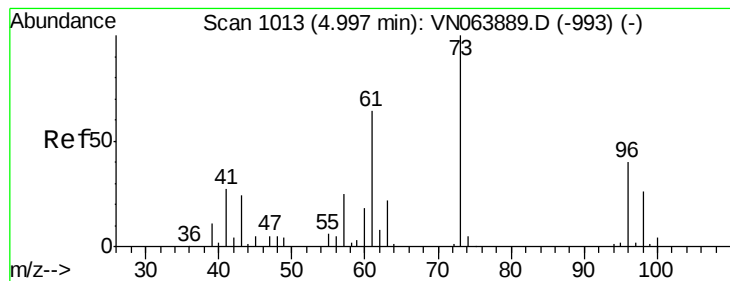
#18
 Methylene Chloride
 Concen: 20.844 ug/l
 RT: 4.51 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Tgt Ion: 84 Resp: 70644
 Ion Ratio Lower Upper
 84 100
 49 137.1 109.7 164.5
 51 39.3 31.4 47.2
 86 59.5 47.6 71.4



Abundance Ion 84.00 (83.70 to 84.70): VN0
 Ion 49.00 (48.70 to 49.70): VN0
 Ion 51.00 (50.70 to 51.70): VN0
 Ion 86.00 (85.70 to 86.70): VN0





#19

trans-1,2-Dichloroethene

Concen: 22.797 ug/l

RT: 5.00 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

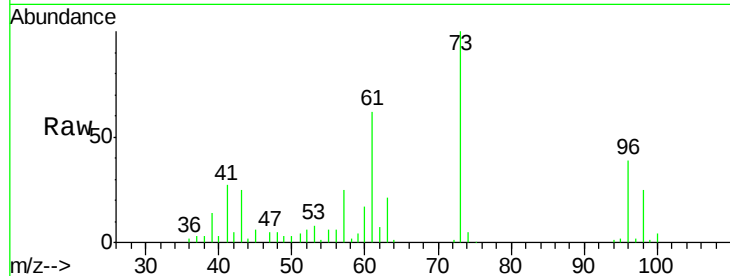
Tgt Ion: 96 Resp: 62690

Ion Ratio Lower Upper

96 100

61 159.9 127.9 191.9

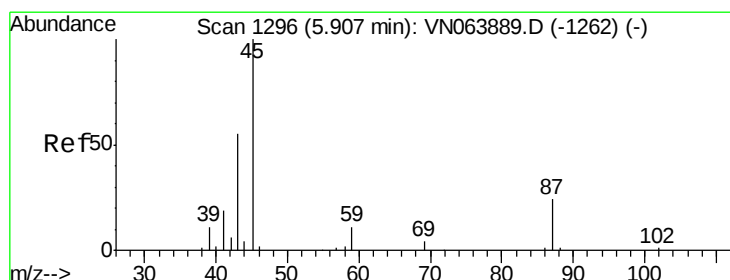
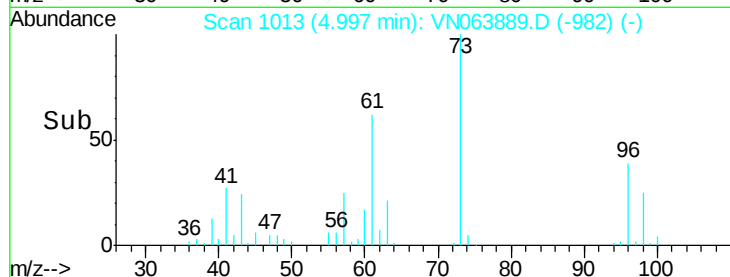
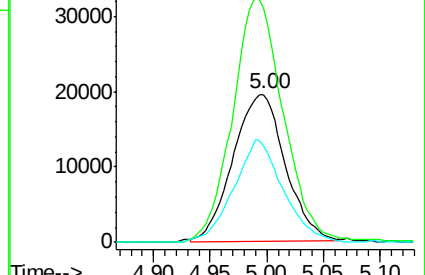
98 65.6 52.5 78.7



Abundance Ion 96.00 (95.70 to 96.70): VN063889.D (-993) (-)

Ion 61.00 (60.70 to 61.70): VN063889.D (-993) (-)

Ion 98.00 (97.70 to 98.70): VN063889.D (-993) (-)



#20

Diisopropyl ether

Concen: 20.620 ug/l

RT: 5.91 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Tgt Ion: 45 Resp: 214135

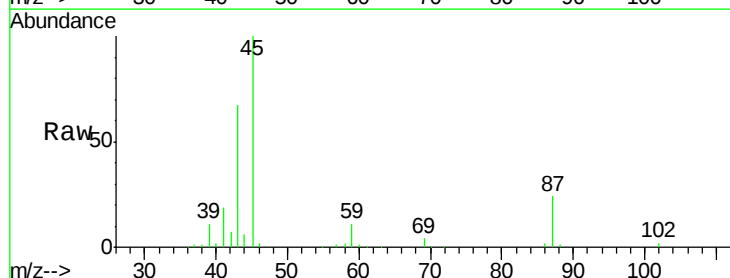
Ion Ratio Lower Upper

45 100

43 64.1 51.3 76.9

87 24.4 19.5 29.3

59 10.6 8.5 12.7

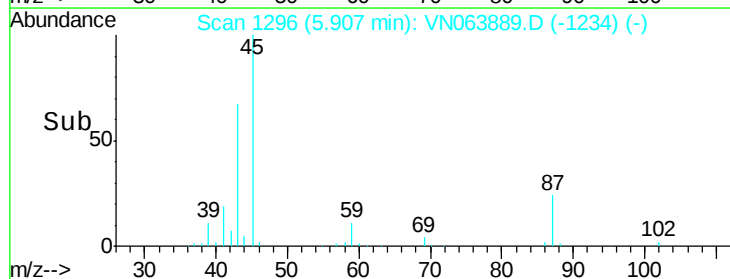
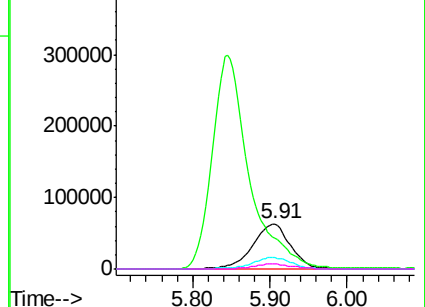


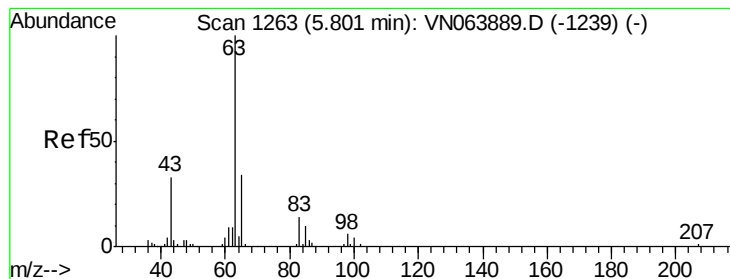
Abundance Ion 45.00 (44.70 to 45.70): VN063889.D (-1262) (-)

Ion 43.00 (42.70 to 43.70): VN063889.D (-1262) (-)

Ion 87.00 (86.70 to 87.70): VN063889.D (-1262) (-)

Ion 59.00 (58.70 to 59.70): VN063889.D (-1262) (-)





#21

1,1-Dichloroethane

Concen: 22.701 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

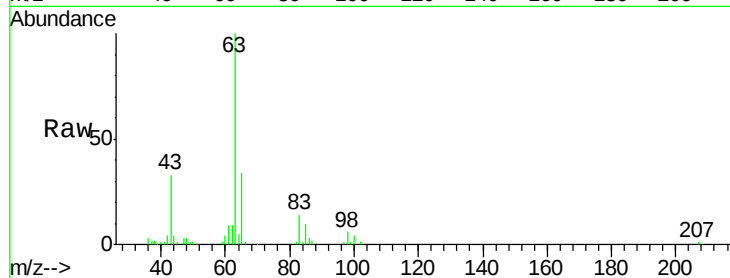
Tgt Ion: 63 Resp: 133116

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 3.9 2.0 5.8



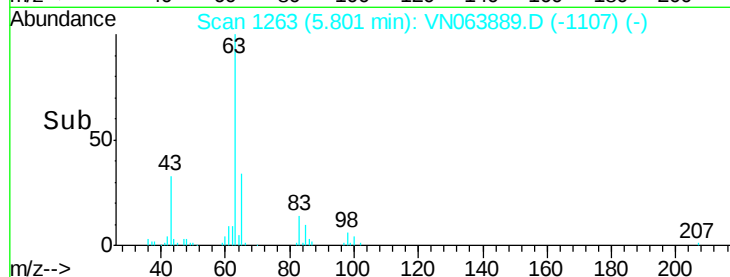
Abundance Ion 63.00 (62.70 to 63.70): VN063889.D (-1239) (-)

Ion 98.00 (97.70 to 98.70): VN063889.D (-1239) (-)

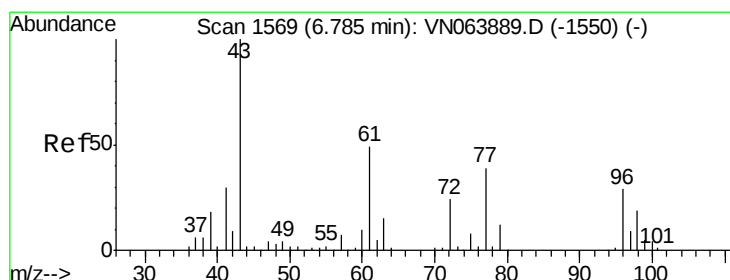
Ion 100.00 (99.70 to 100.70): VN063889.D (-1239) (-)

5.80

Time-->



Time-->



#22

cis-1,2-Dichloroethene

Concen: 21.360 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

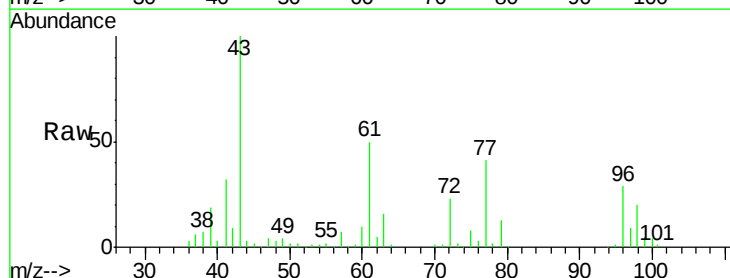
Tgt Ion: 96 Resp: 71592

Ion Ratio Lower Upper

96 100

61 174.5 139.6 209.4

98 66.7 53.4 80.0



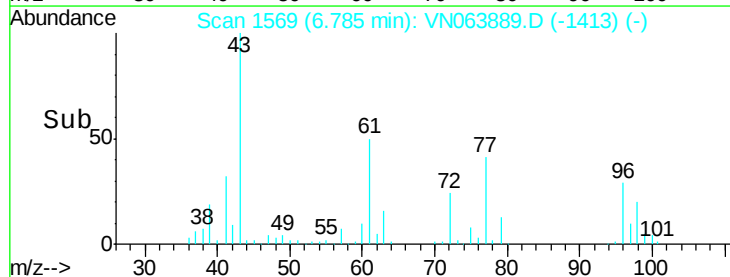
Abundance Ion 96.00 (95.70 to 96.70): VN063889.D (-1550) (-)

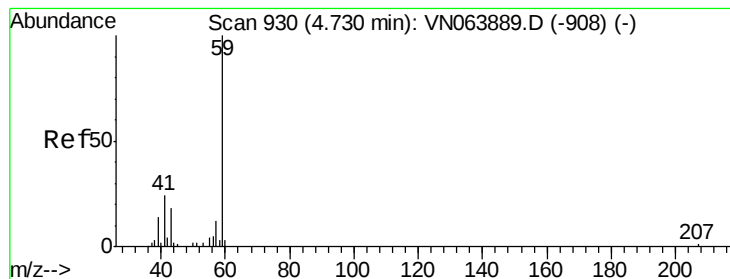
Ion 61.00 (60.70 to 61.70): VN063889.D (-1550) (-)

Ion 98.00 (97.70 to 98.70): VN063889.D (-1550) (-)

6.78

Time-->





#23

tert-Butyl Alcohol

Concen: 127.238 ug/l

RT: 4.73 min Scan# 930

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

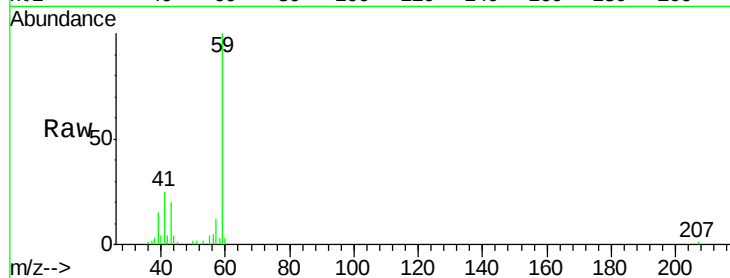
VSTDICCC020

Tgt Ion: 59 Resp: 62389

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN063889.D (-908) (-)

Ion 52.00 (51.70 to 52.70): VN063889.D (-908) (-)

4.73

20000

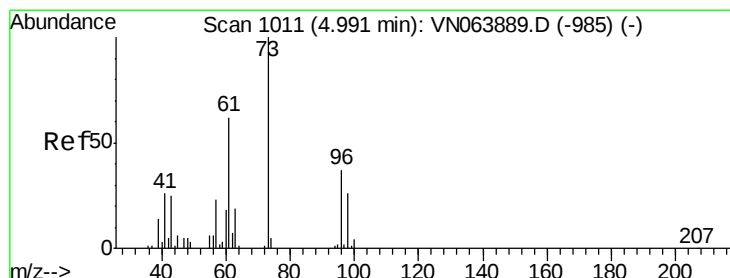
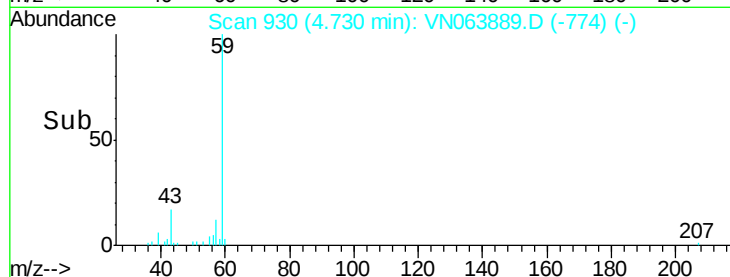
15000

10000

5000

0

Time-->



#24

Methyl tert-Butyl Ether

Concen: 21.533 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN063889.D

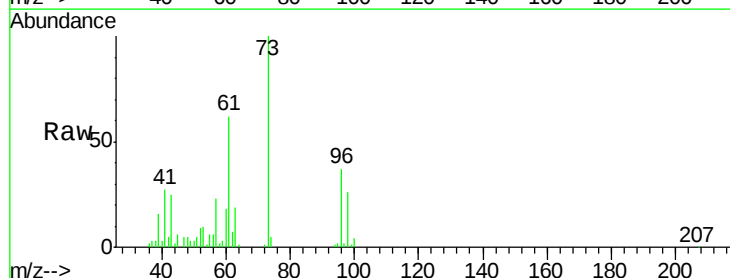
Acq: 6 Oct 2020 10:51

Tgt Ion: 73 Resp: 194478

Ion Ratio Lower Upper

73 100

43 8.0 6.4 9.6



Abundance Ion 73.00 (72.70 to 73.70): VN063889.D (-985) (-)

Ion 43.00 (42.70 to 43.70): VN063889.D (-985) (-)

4.99

60000

50000

40000

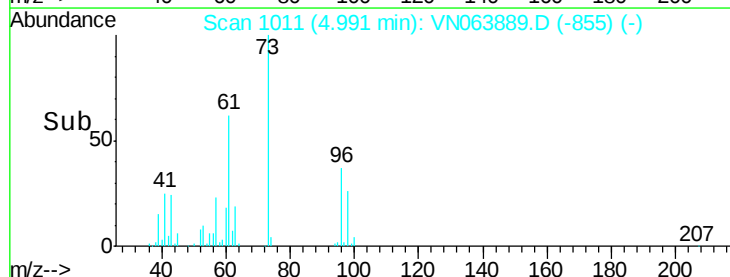
30000

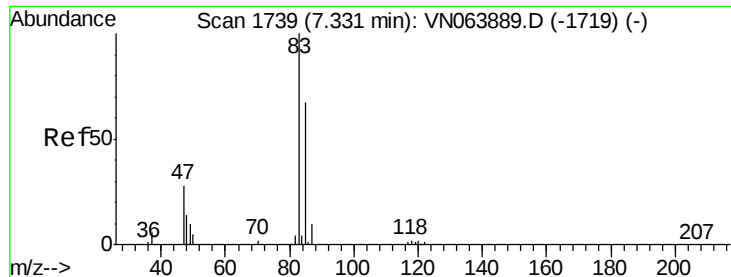
20000

10000

0

Time-->





#25

Chloroform

Concen: 23.409 ug/l

RT: 7.33 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

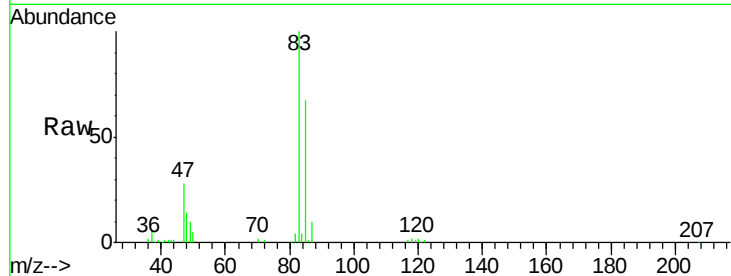
VSTDICCC020

Tgt Ion: 83 Resp: 138408

Ion Ratio Lower Upper

83 100

85 66.5 53.2 79.8

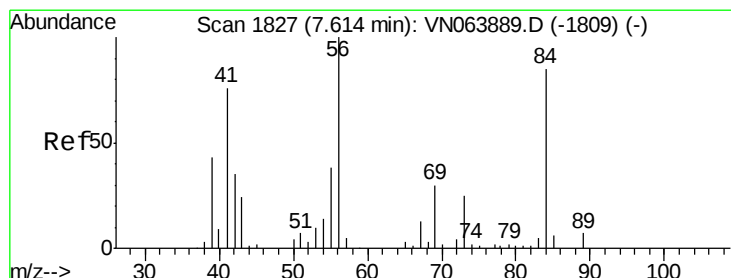
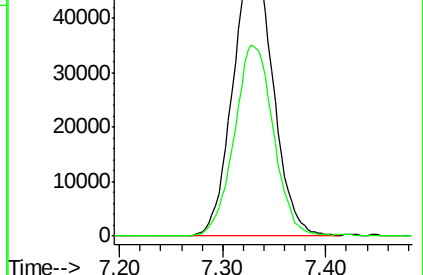
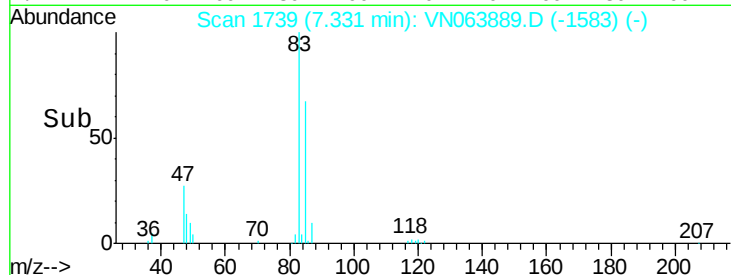


Abundance Ion 83.00 (82.70 to 83.70): VN063889.D (-1719) (-)

Ion 85.00 (84.70 to 85.70): VN063889.D (-1719) (-)

7.33

Time-->



#26

Cyclohexane

Concen: 18.896 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

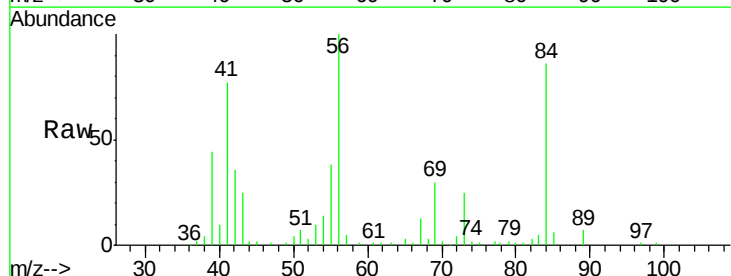
Tgt Ion: 56 Resp: 91142

Ion Ratio Lower Upper

56 100

89 6.8 5.4 8.2

84 85.2 68.2 102.2



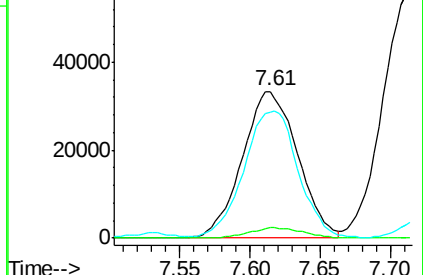
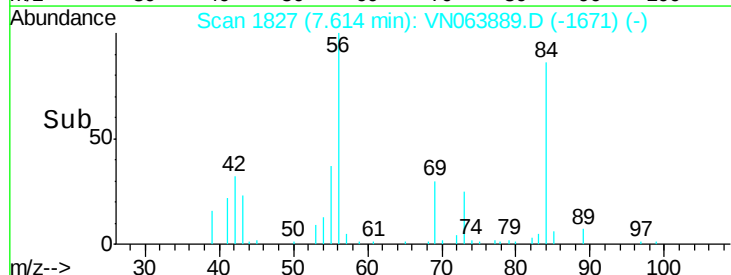
Abundance Ion 56.00 (55.70 to 56.70): VN063889.D (-1809) (-)

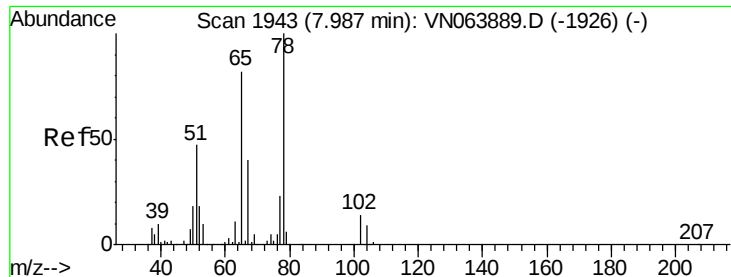
Ion 89.00 (88.70 to 89.70): VN063889.D (-1809) (-)

Ion 84.00 (83.70 to 84.70): VN063889.D (-1809) (-)

7.61

Time-->





#27

1,2-Dichloroethane-d4

Concen: 36.535 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

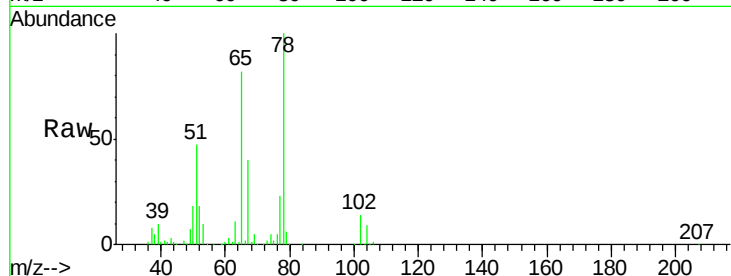
VSTDICCC020

Tgt Ion: 65 Resp: 138051

Ion Ratio Lower Upper

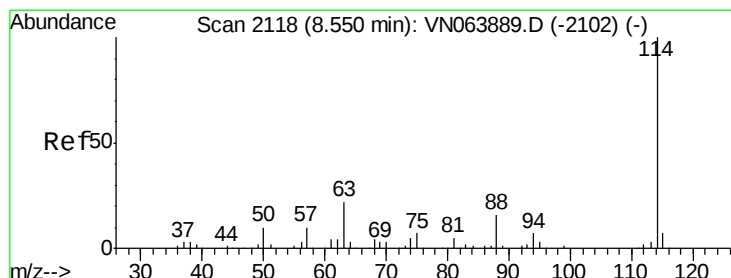
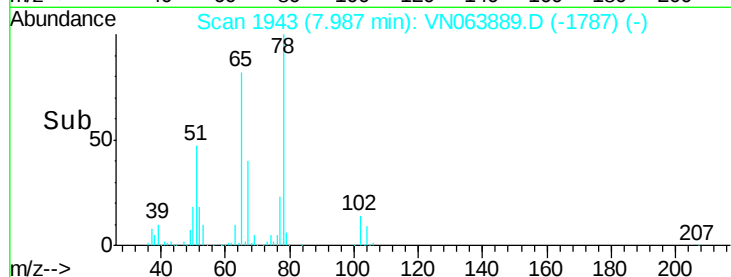
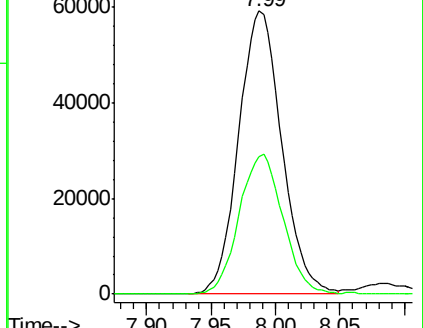
65 100

67 50.0 40.0 60.0



Abundance Ion 65.00 (64.70 to 65.70): VN063889.D (-1926) (-)

Ion 67.00 (66.70 to 67.70): VN063889.D (-1926) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

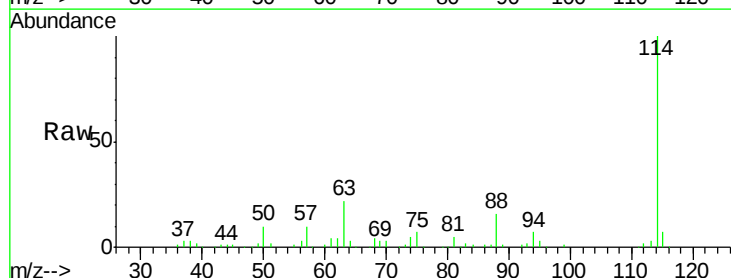
Tgt Ion: 114 Resp: 265864

Ion Ratio Lower Upper

114 100

63 23.3 18.6 28.0

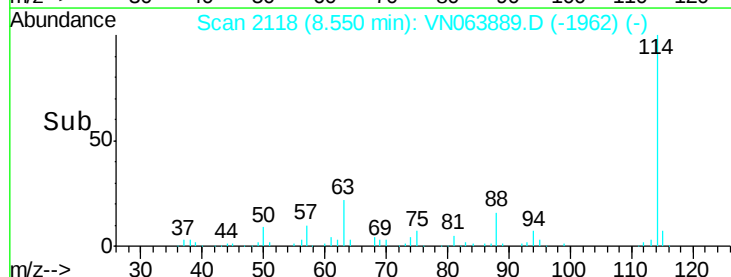
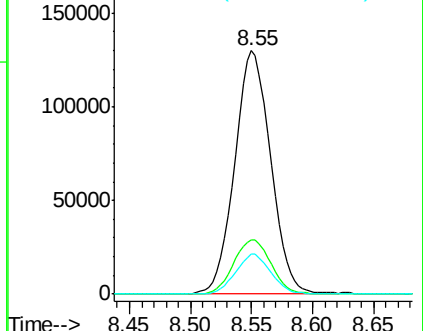
88 16.1 12.9 19.3

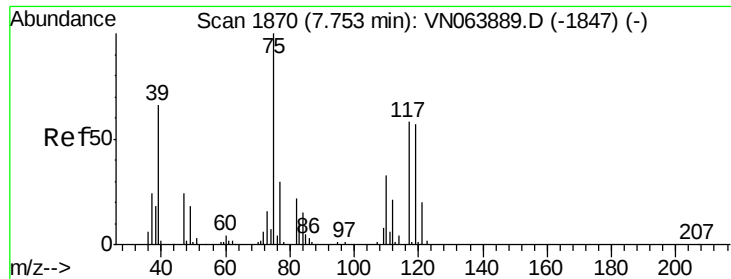


Abundance Ion 114.00 (113.70 to 114.70): VN063889.D (-2102) (-)

Ion 63.00 (62.70 to 63.70): VN063889.D (-2102) (-)

Ion 88.00 (87.70 to 88.70): VN063889.D (-2102) (-)

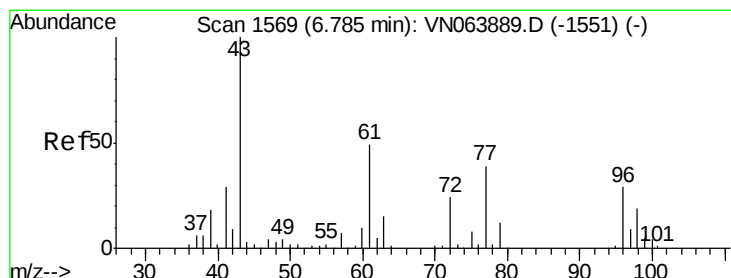
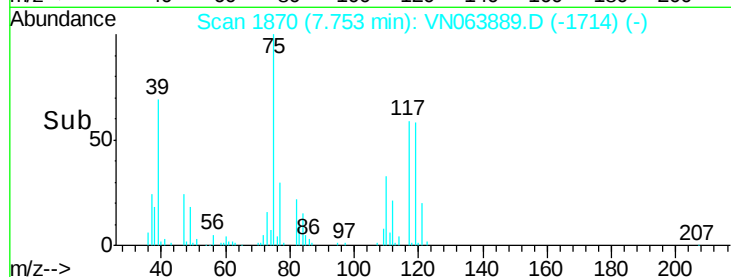
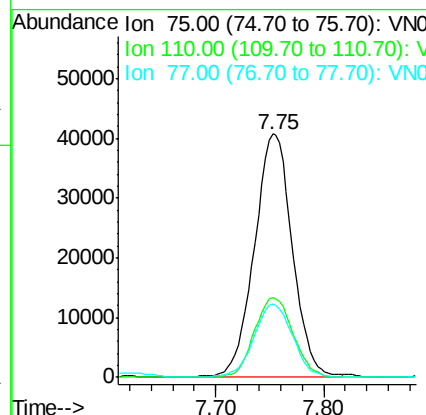
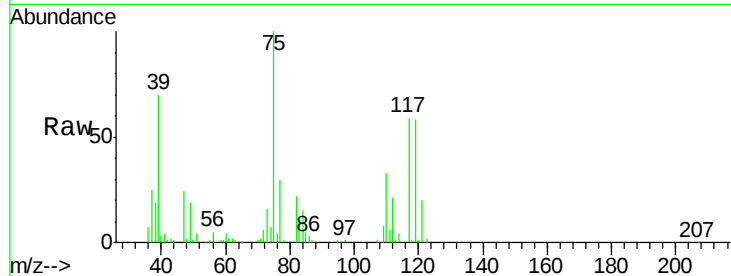




#29
 1,1-Dichloropropene
 Concen: 23.987 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

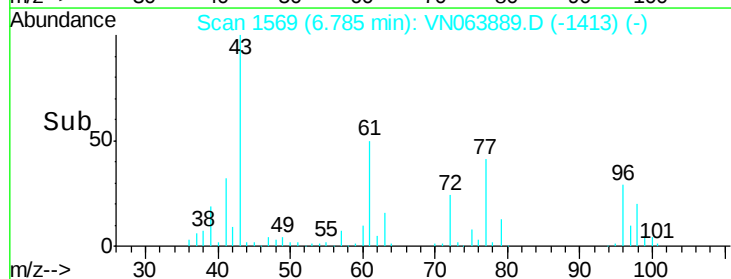
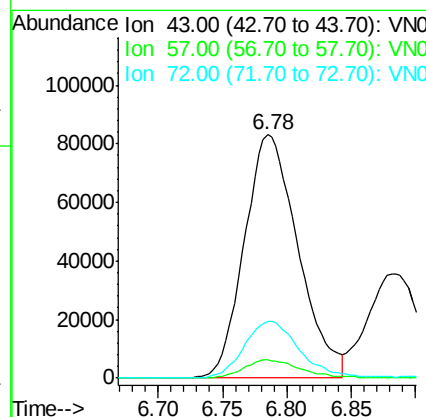
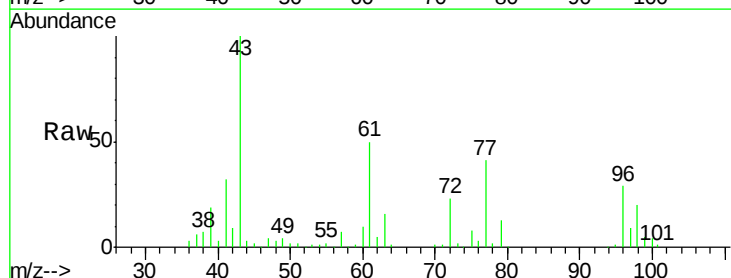
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

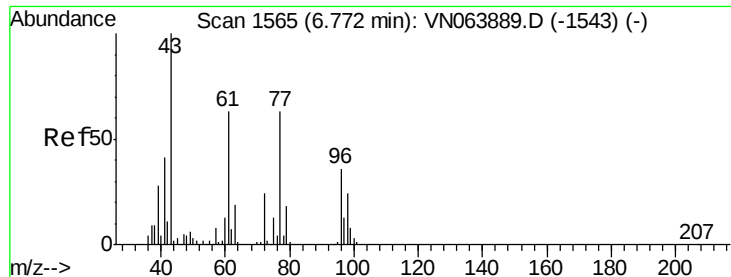
Tgt Ion: 75 Resp: 99531
 Ion Ratio Lower Upper
 75 100
 110 33.3 0.0 66.6
 77 30.7 0.0 61.4



#30
 2-Butanone
 Concen: 122.849 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Tgt Ion: 43 Resp: 238787
 Ion Ratio Lower Upper
 43 100
 57 7.7 6.2 9.2
 72 24.3 19.4 29.2





#31

2,2-Dichloropropane

Concen: 23.853 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

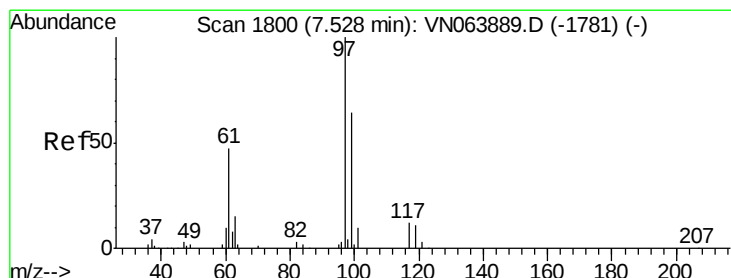
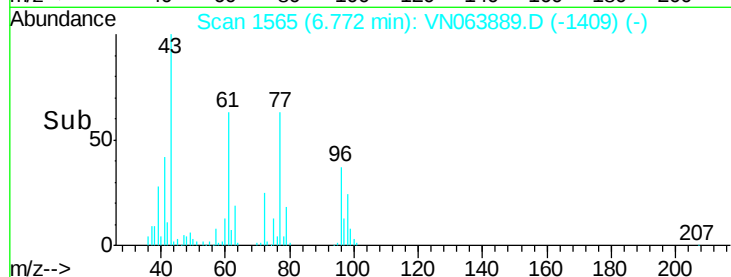
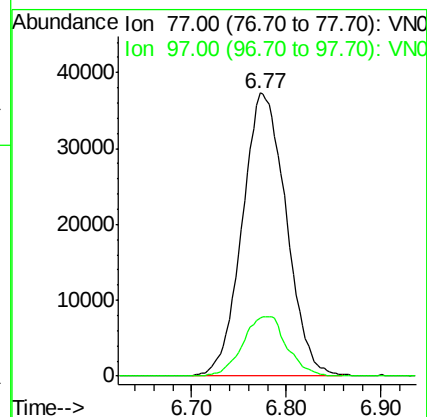
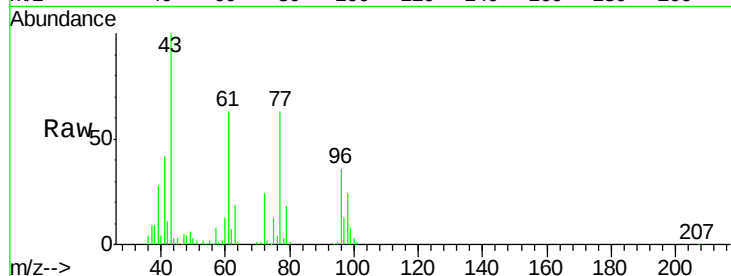
VSTDICCC020

Tgt Ion: 77 Resp: 120178

Ion Ratio Lower Upper

77 100

97 12.7 10.2 15.2



#32

1,1,1-Trichloroethane

Concen: 25.329 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

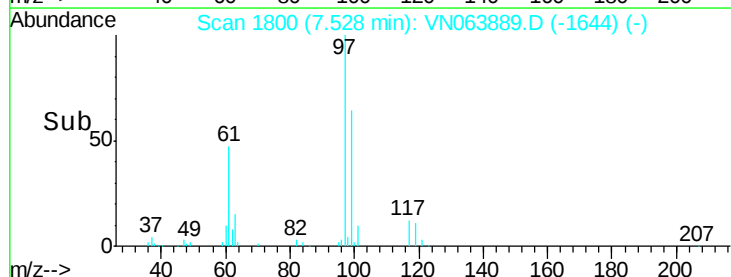
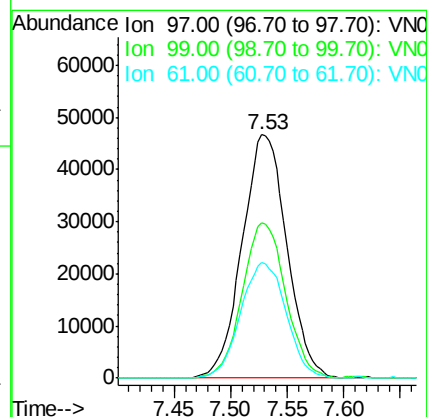
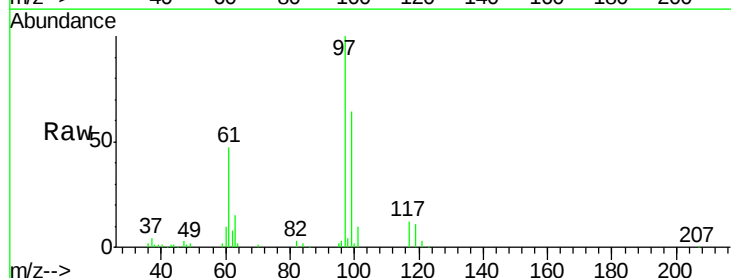
Tgt Ion: 97 Resp: 128331

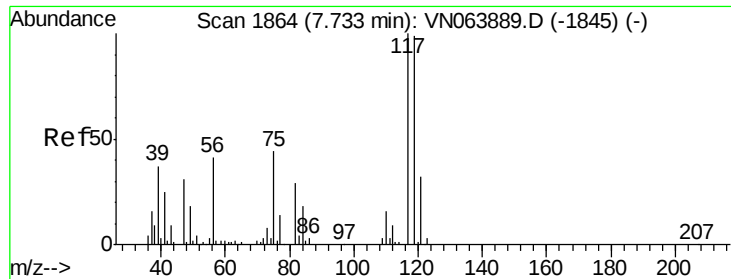
Ion Ratio Lower Upper

97 100

99 62.1 49.7 74.5

61 48.2 38.6 57.8

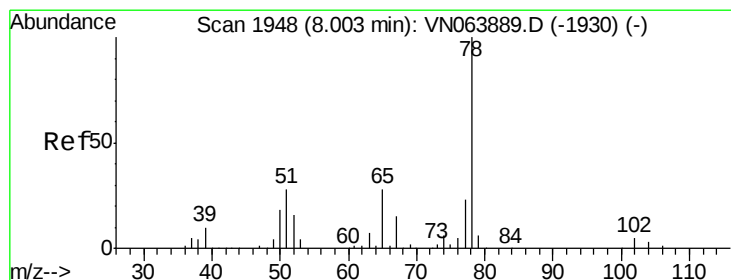
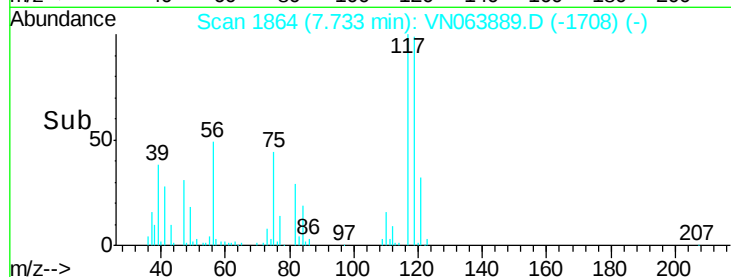
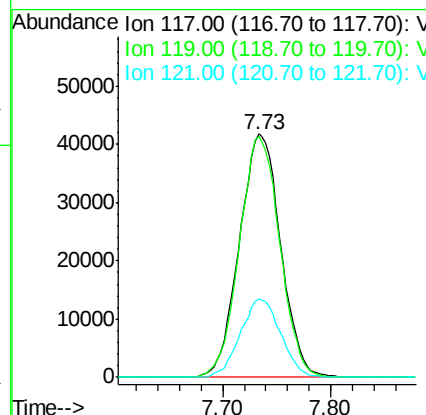
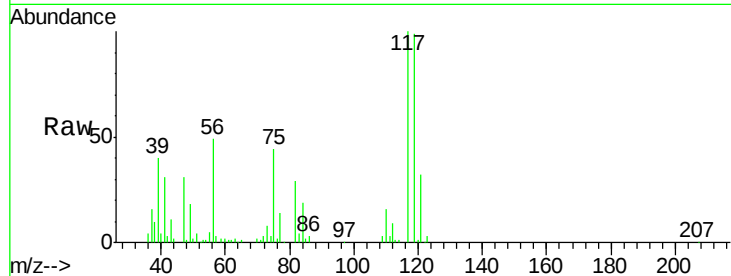




#33
Carbon Tetrachloride
Concen: 25.575 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

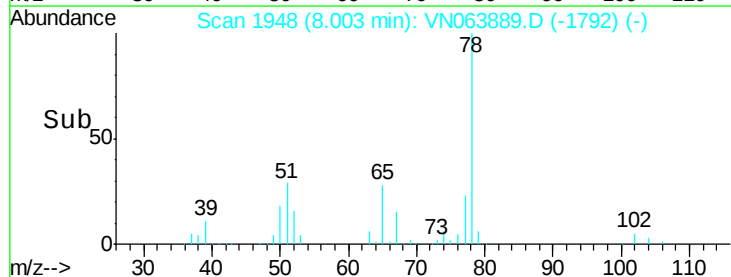
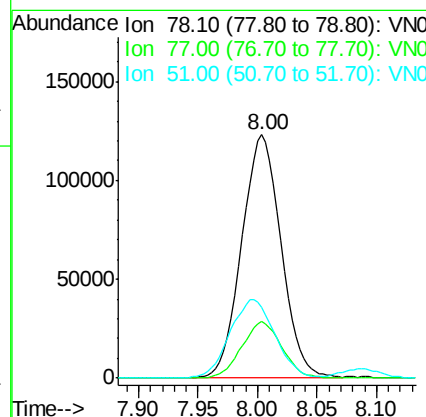
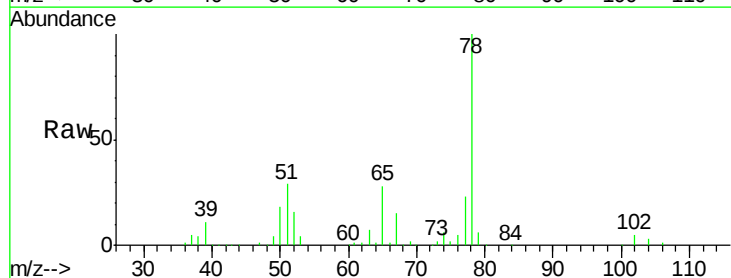
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

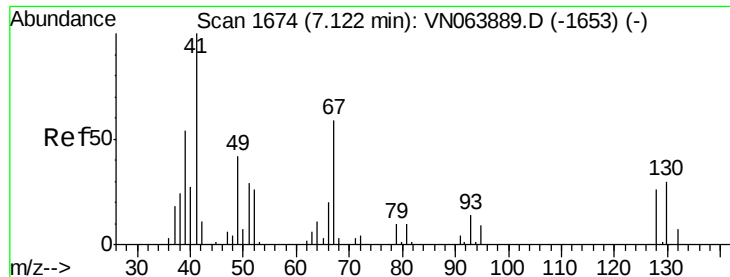
Tgt Ion:117 Resp: 111060
Ion Ratio Lower Upper
117 100
119 99.1 79.3 118.9
121 32.1 25.7 38.5



#34
Benzene
Concen: 21.987 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion: 78 Resp: 283228
Ion Ratio Lower Upper
78 100
77 23.1 18.5 27.7
51 28.4 22.7 34.1

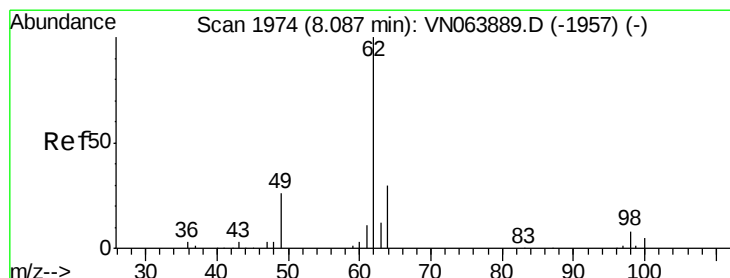
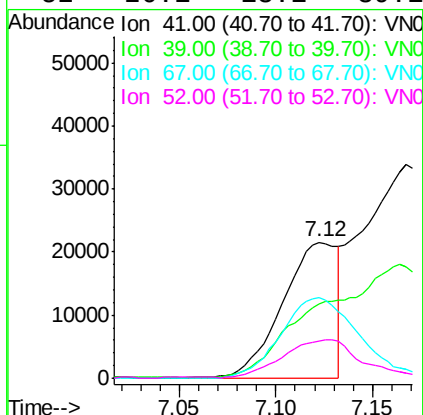
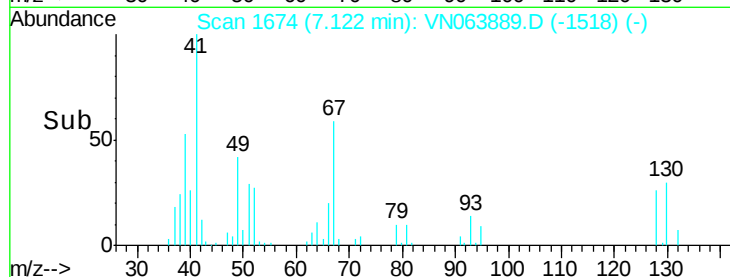
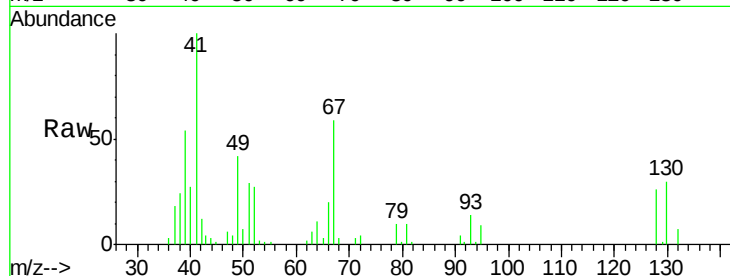




#35
Methacrylonitrile
Concen: 23.679 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

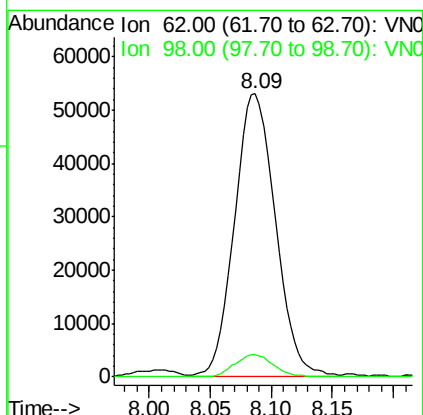
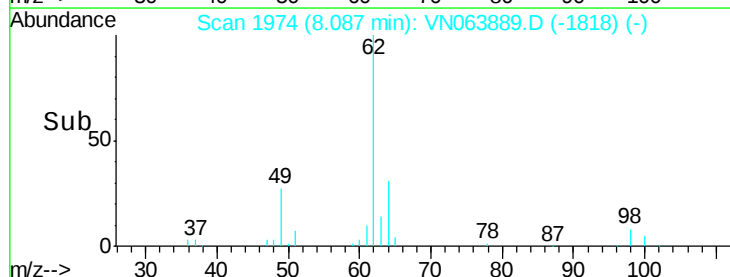
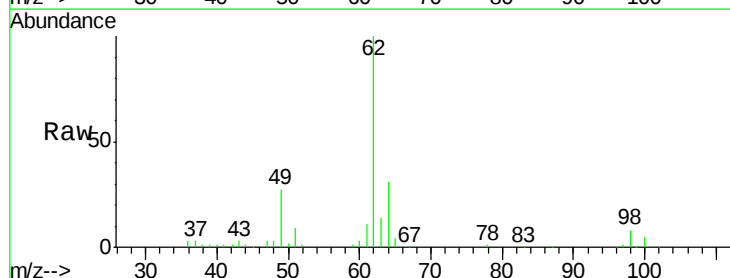
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

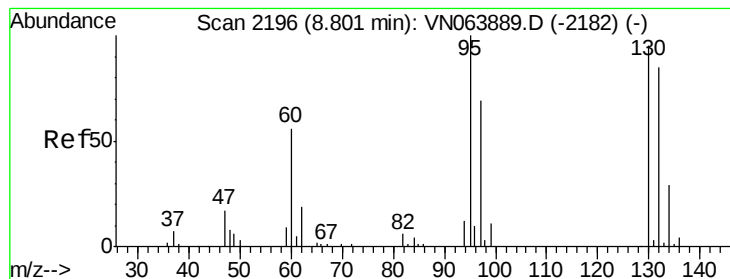
Tgt Ion: 41 Resp: 42626
Ion Ratio Lower Upper
41 100
39 53.5 26.8 80.3
67 59.5 29.8 89.3
52 26.1 13.1 39.1



#36
1,2-Dichloroethane
Concen: 26.568 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion: 62 Resp: 123885
Ion Ratio Lower Upper
62 100
98 7.4 5.9 8.9





#37

Trichloroethene

Concen: 22.591 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

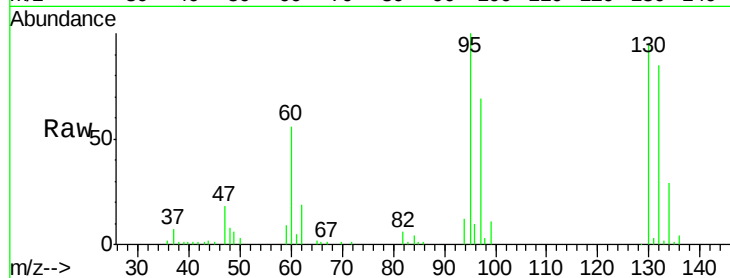
VSTDICCC020

Tgt Ion:130 Resp: 71955

Ion Ratio Lower Upper

130 100

95 105.6 84.5 126.7



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.80

40000

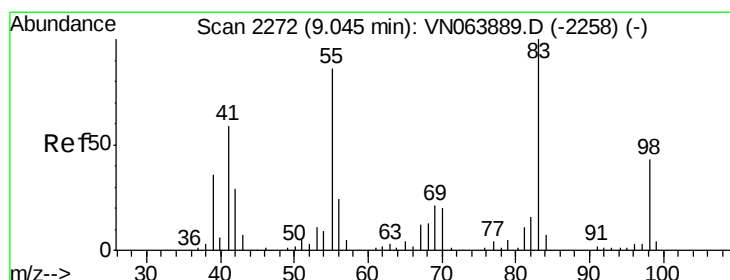
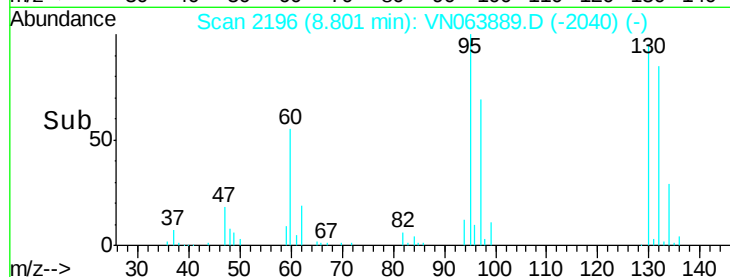
30000

20000

10000

0

Time--> 8.70 8.75 8.80 8.85 8.90



#38

Methylcyclohexane

Concen: 16.982 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

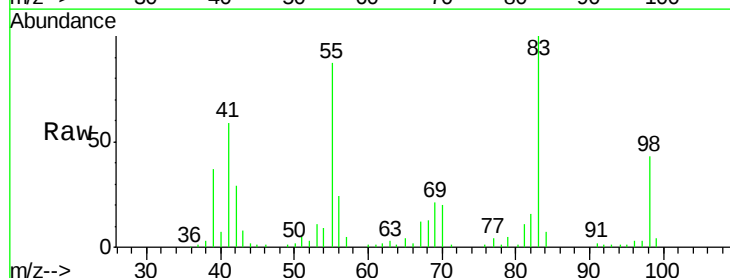
Tgt Ion: 83 Resp: 81475

Ion Ratio Lower Upper

83 100

55 84.7 42.4 127.1

98 43.1 21.6 64.6



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

9.05

50000

40000

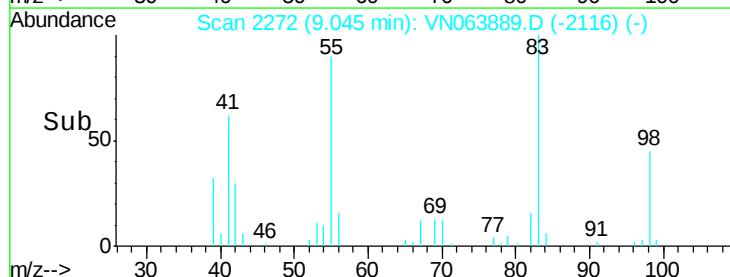
30000

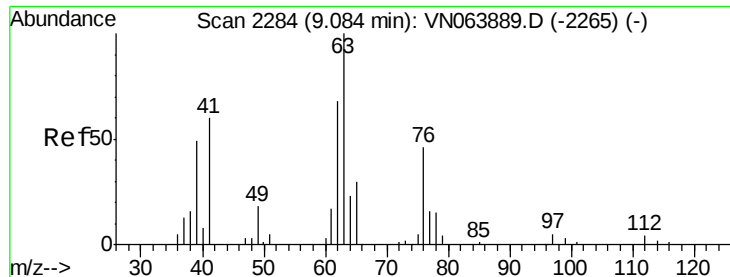
20000

10000

0

Time--> 8.95 9.00 9.05 9.10

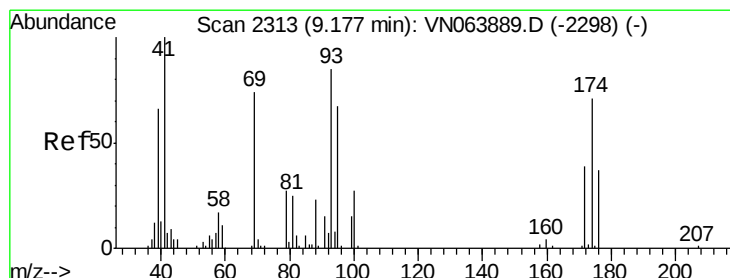
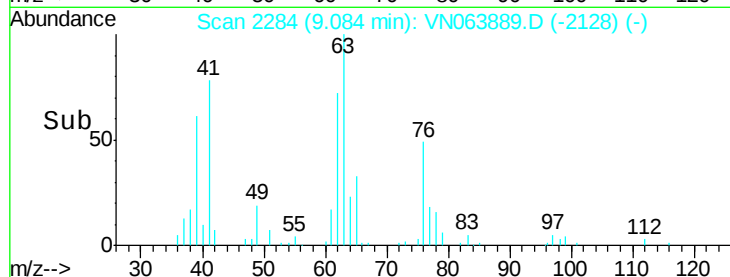
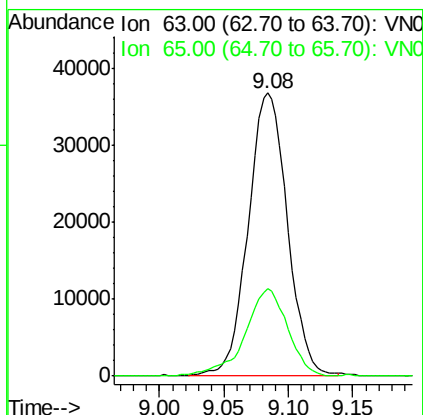
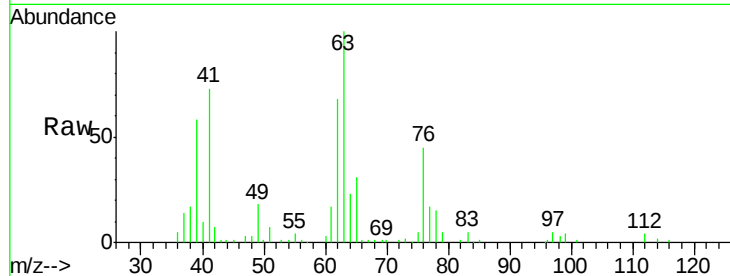




#39
 1,2-Dichloropropane
 Concen: 21.078 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

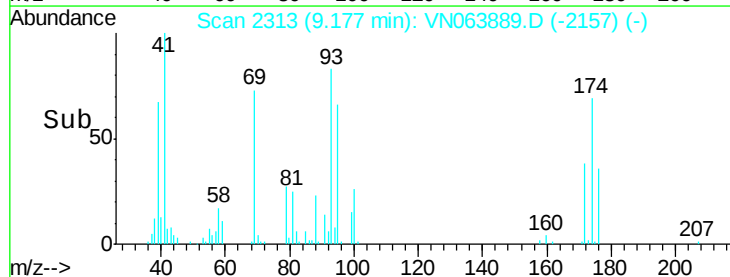
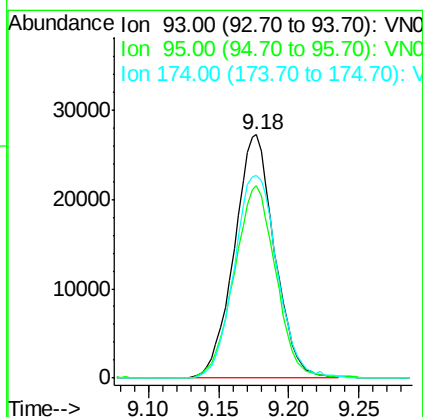
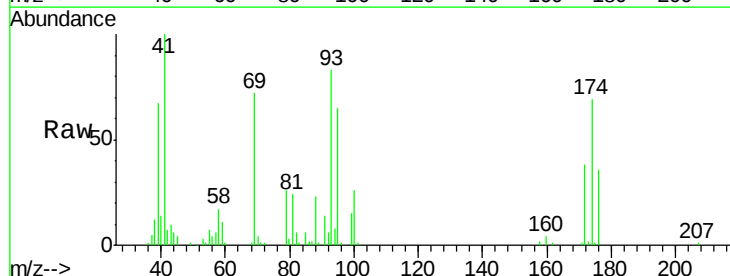
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

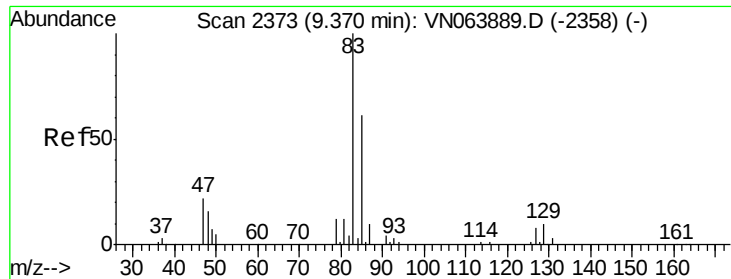
Tgt Ion: 63 Resp: 78109
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1



#40
 Dibromomethane
 Concen: 24.327 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Tgt Ion: 93 Resp: 54583
 Ion Ratio Lower Upper
 93 100
 95 81.0 0.0 162.0
 174 88.3 0.0 176.6

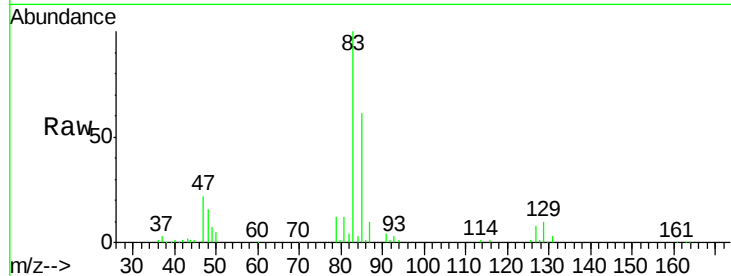




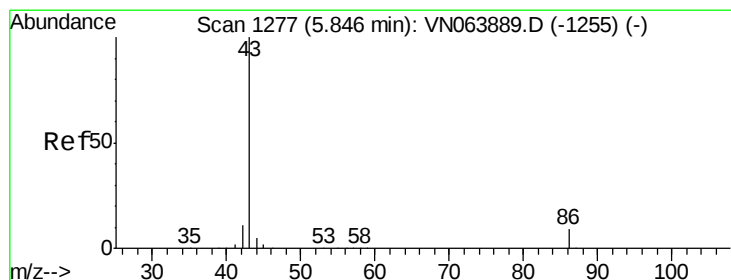
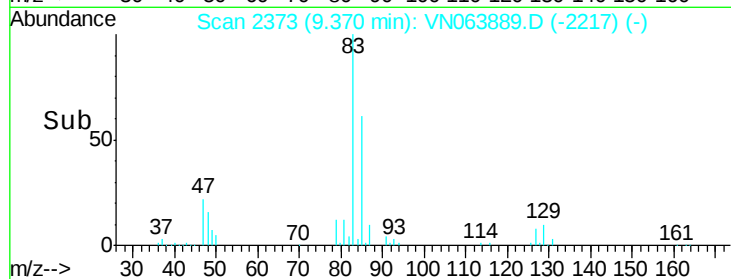
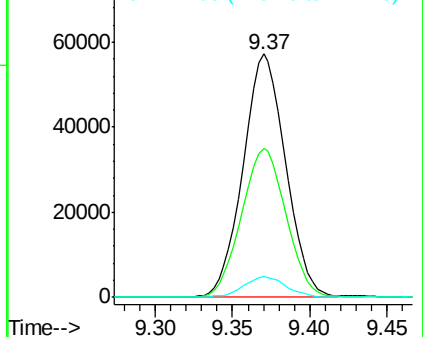
#41
 Bromodichloromethane
 Concen: 22.546 ug/l
 RT: 9.37 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 83 Resp: 109985
 Ion Ratio Lower Upper
 83 100
 85 61.3 49.0 73.6
 127 8.4 6.7 10.1

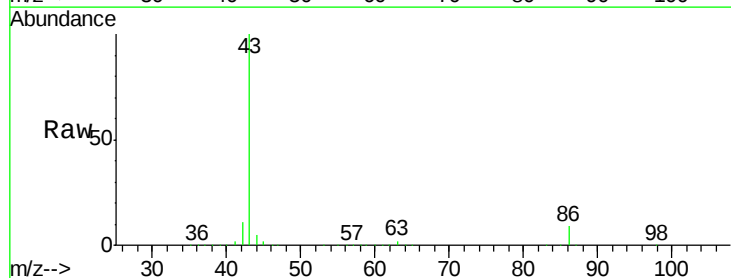


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0
 Ion 127.00 (126.70 to 127.70): V

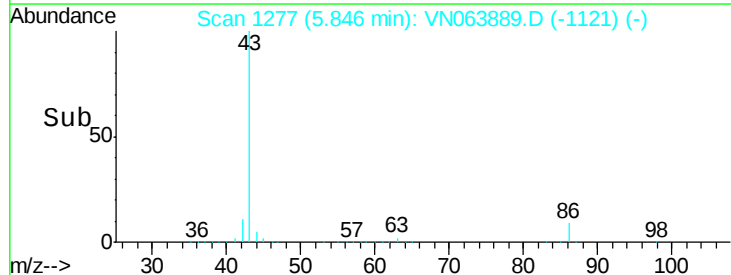
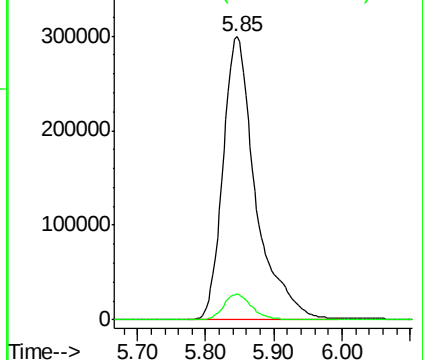


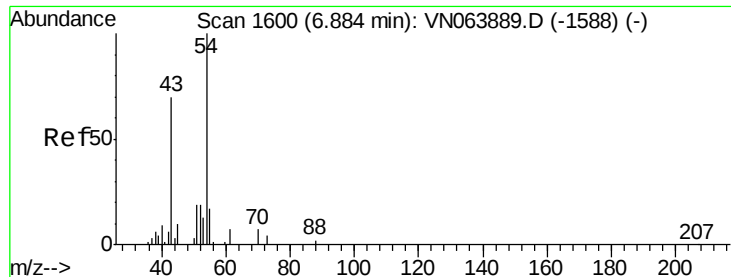
#42
 Vinyl Acetate
 Concen: 131.304 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Tgt Ion: 43 Resp: 999247
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.4 9.6



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 26.317 ug/l

RT: 6.88 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

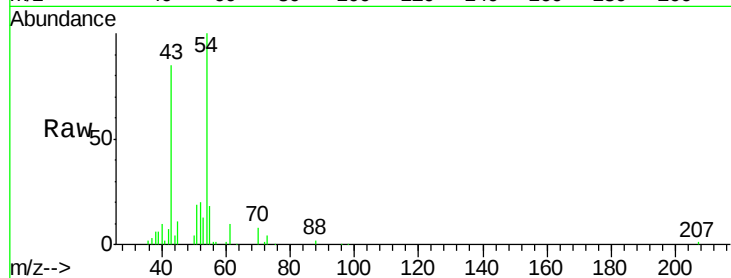
VSTDICCC020

Tgt Ion: 43 Resp: 99533

Ion Ratio Lower Upper

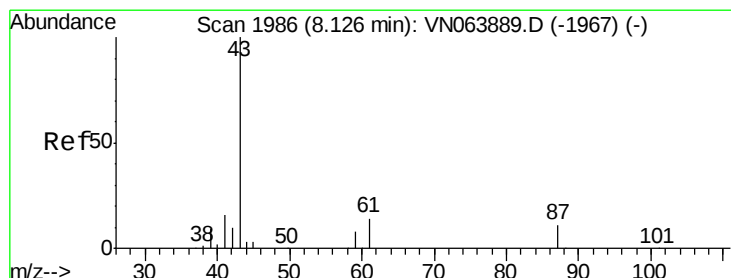
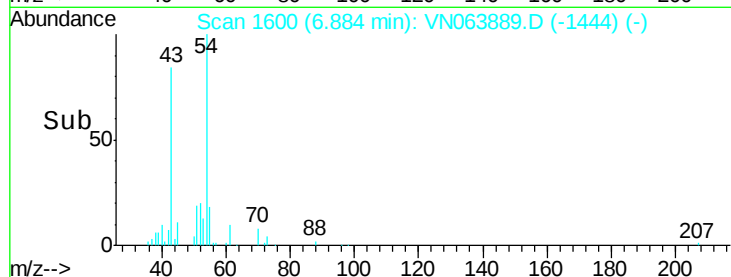
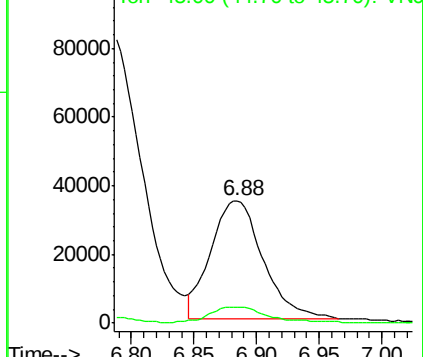
43 100

45 12.8 10.2 15.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 26.504 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063889.D

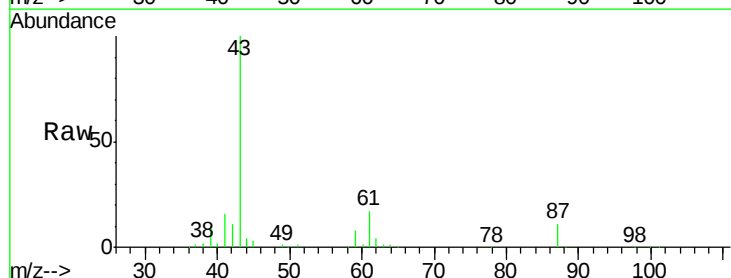
Acq: 6 Oct 2020 10:51

Tgt Ion: 43 Resp: 171311

Ion Ratio Lower Upper

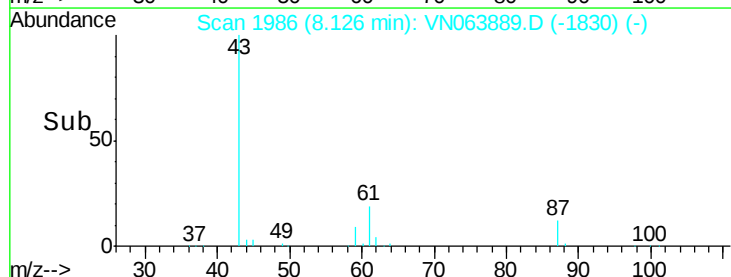
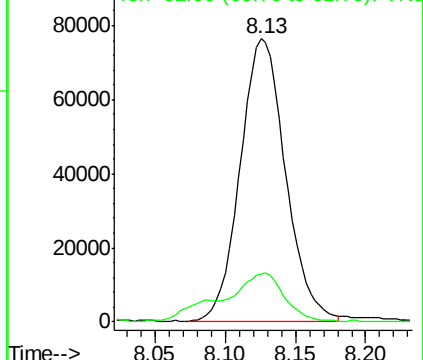
43 100

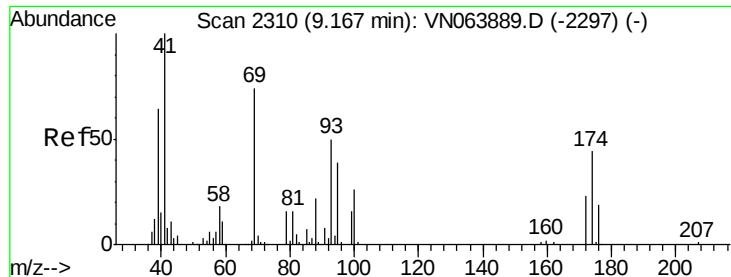
61 16.6 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

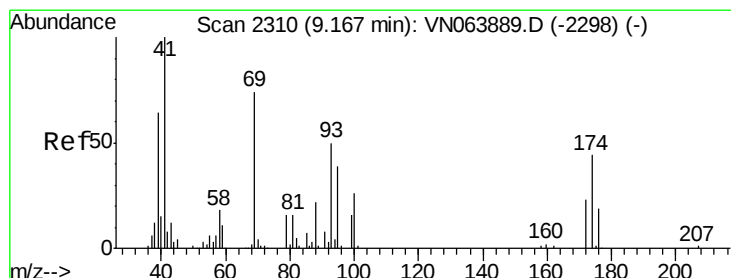
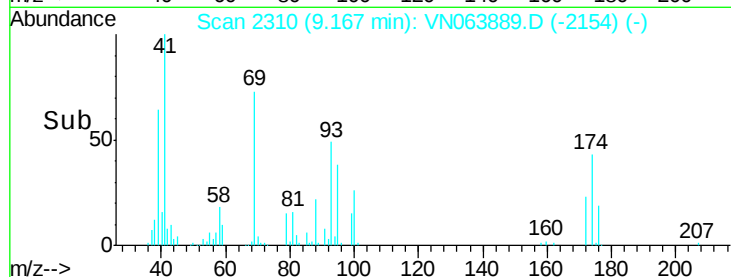
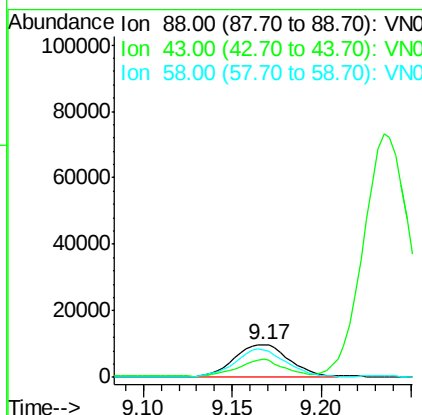
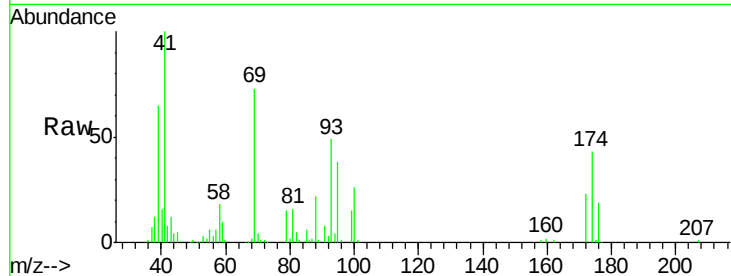




#45
 1,4-Dioxane
 Concen: 390.925 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

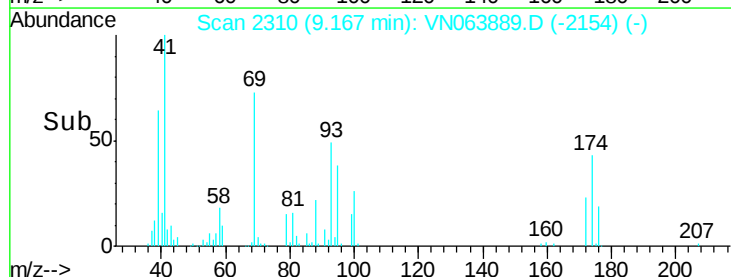
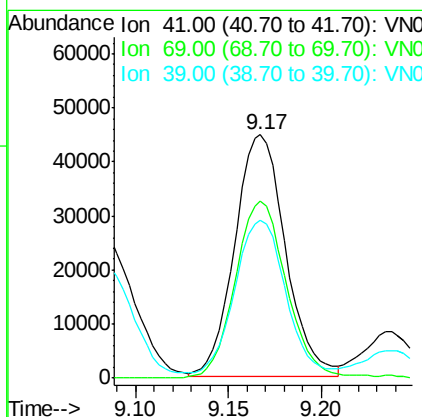
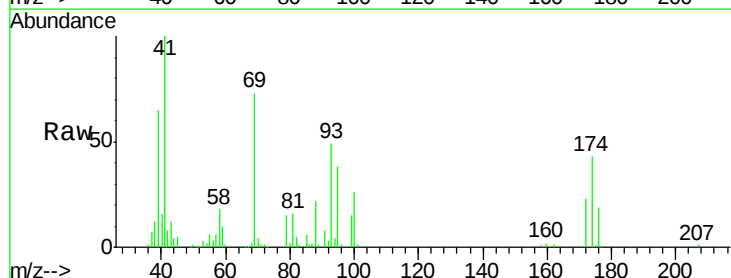
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

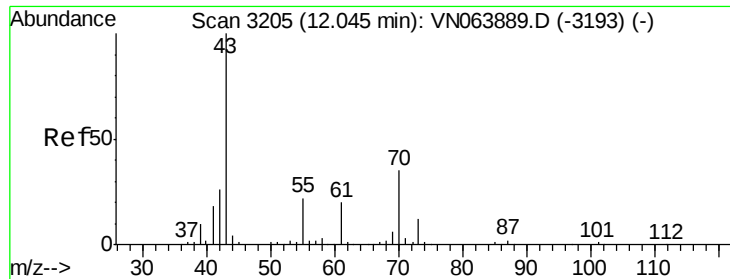
Tgt Ion: 88 Resp: 21523
 Ion Ratio Lower Upper
 88 100
 43 42.5 34.0 51.0
 58 81.1 64.9 97.3



#46
 Methyl methacrylate
 Concen: 26.926 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Tgt Ion: 41 Resp: 85784
 Ion Ratio Lower Upper
 41 100
 69 73.8 36.9 110.7
 39 63.7 31.9 95.5

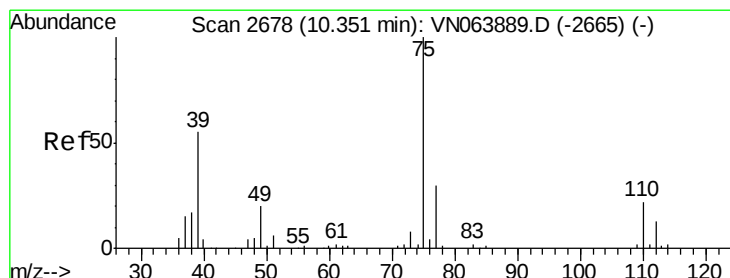
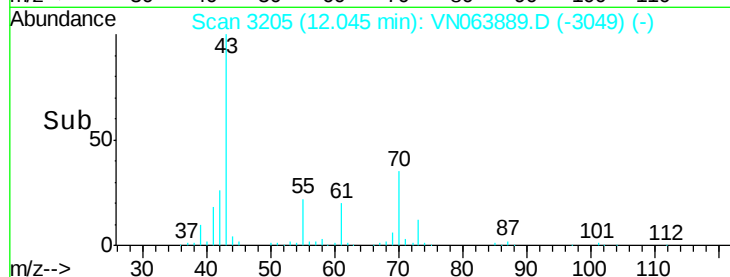
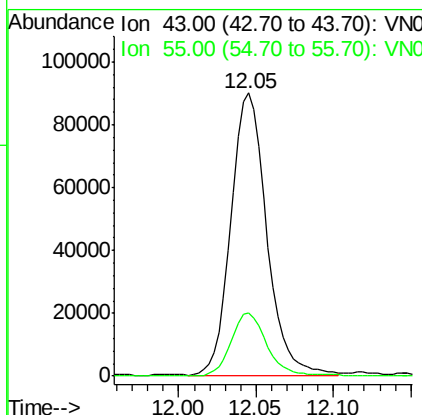
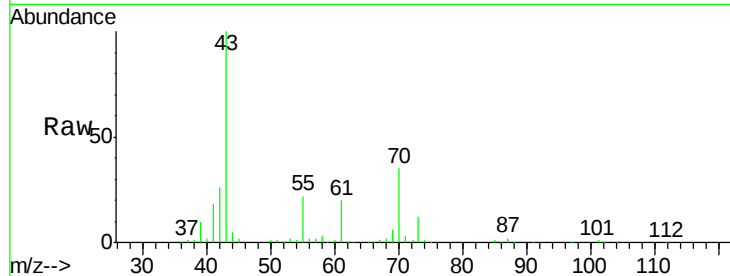




#47
n-amyl Acetate
Concen: 25.306 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

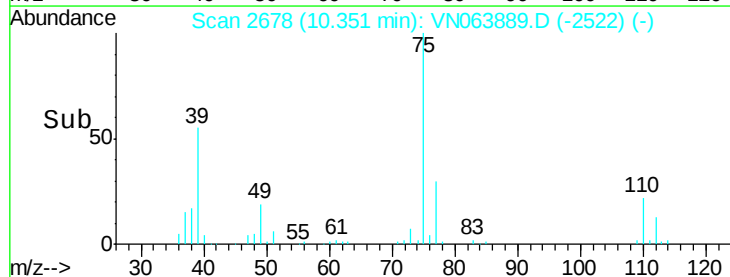
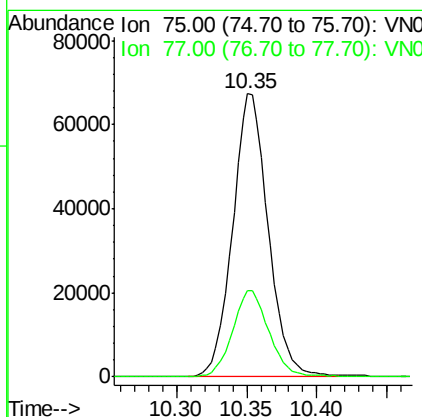
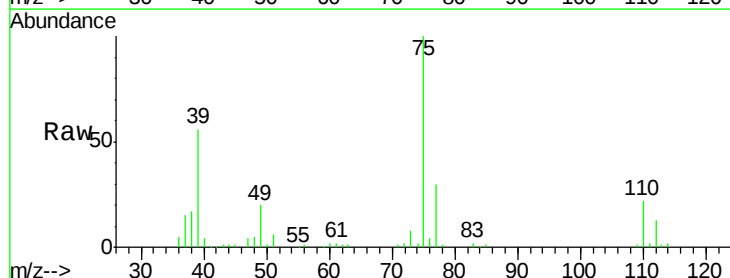
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

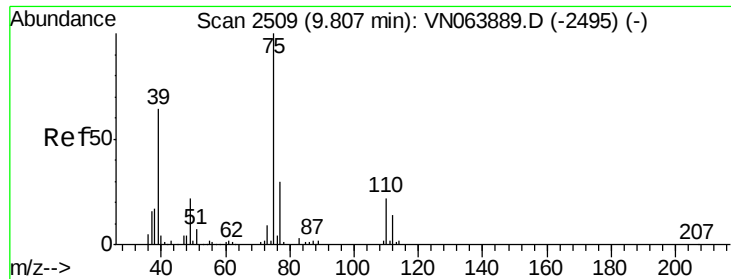
Tgt Ion: 43 Resp: 143890
Ion Ratio Lower Upper
43 100
55 22.2 17.8 26.6



#48
t-1,3-Dichloropropene
Concen: 22.835 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion: 75 Resp: 118619
Ion Ratio Lower Upper
75 100
77 30.3 24.2 36.4



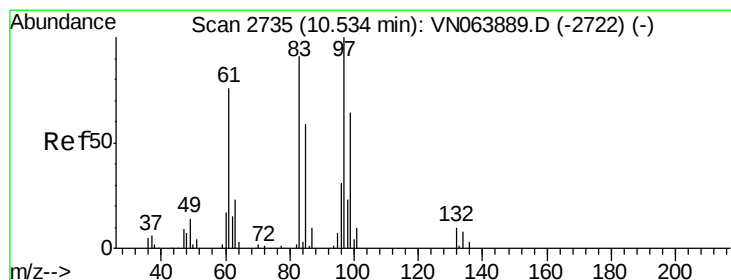
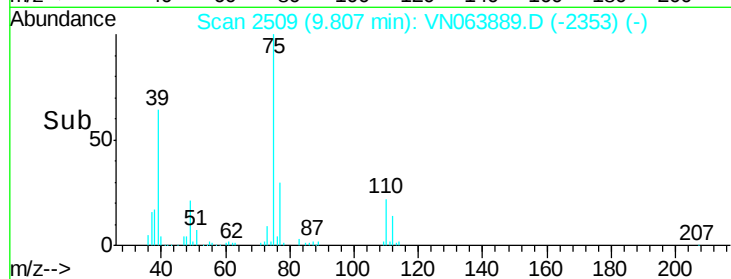
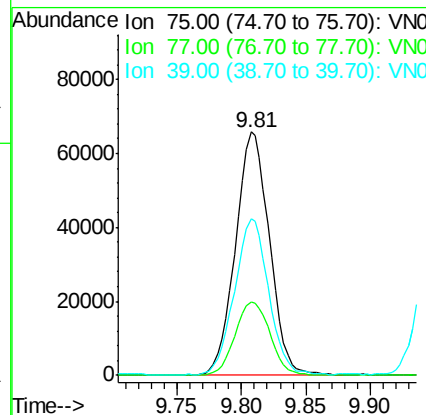
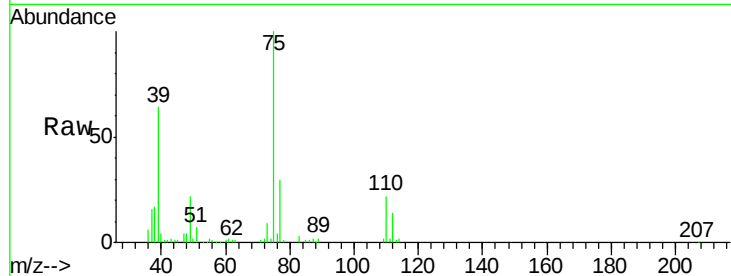


#49

cis-1,3-Dichloropropene
 Concen: 21.752 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

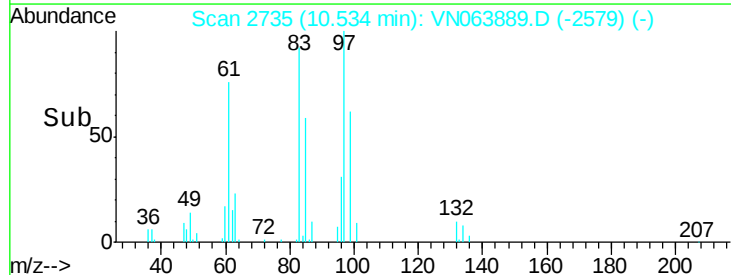
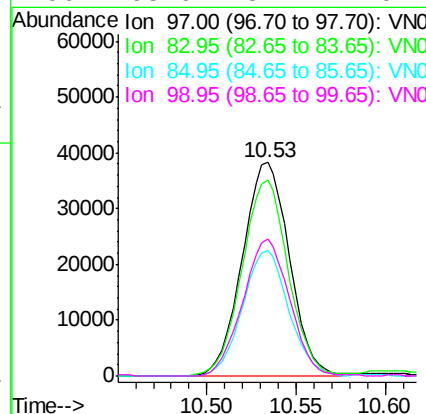
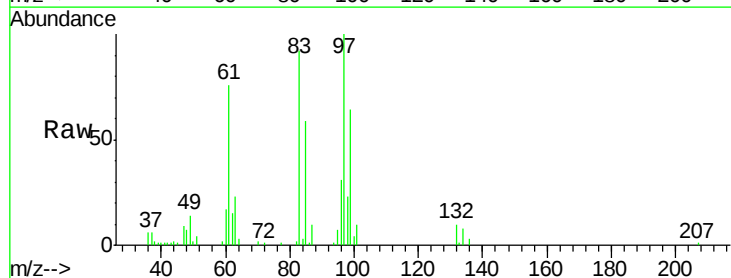
Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.1	24.1	36.1
39	63.7	51.0	76.4

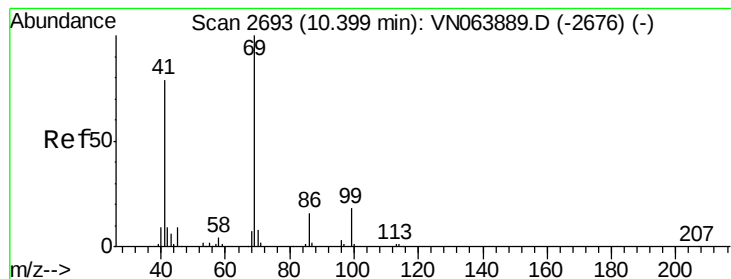


#50

1,1,2-Trichloroethane
 Concen: 21.193 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.3	73.0	109.6
85	58.6	46.9	70.3
99	63.9	51.1	76.7





#51

Ethyl methacrylate

Concen: 21.682 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

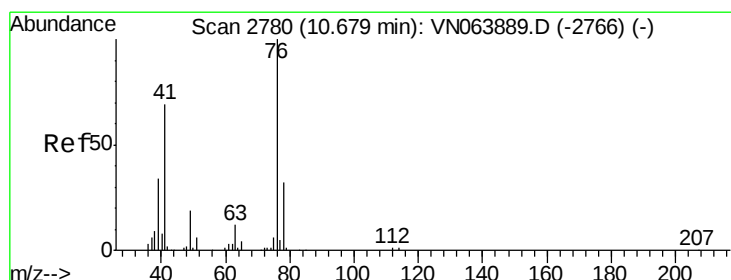
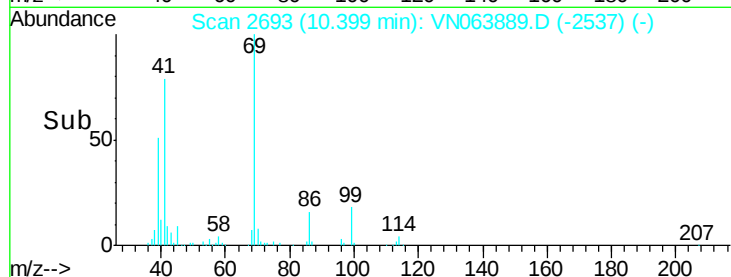
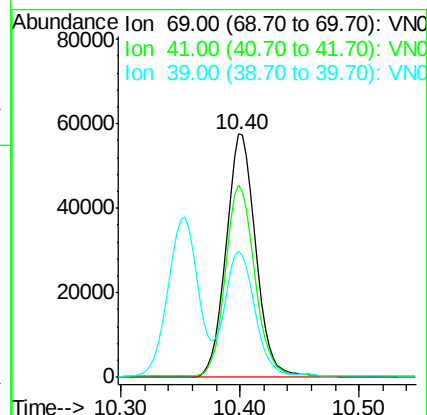
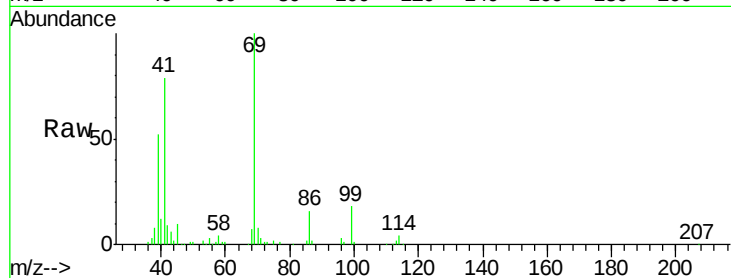
Tgt Ion: 69 Resp: 99851

Ion Ratio Lower Upper

69 100

41 78.5 39.6 118.7

39 51.1 25.9 77.6



#52

1,3-Dichloropropane

Concen: 21.672 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063889.D

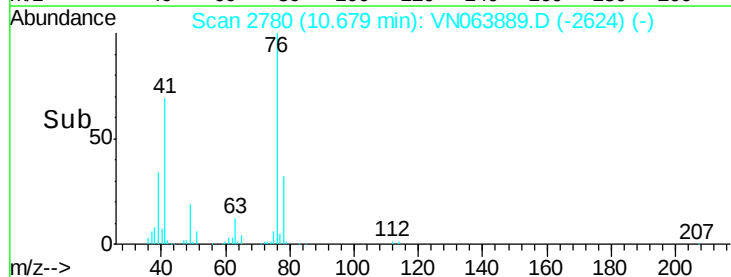
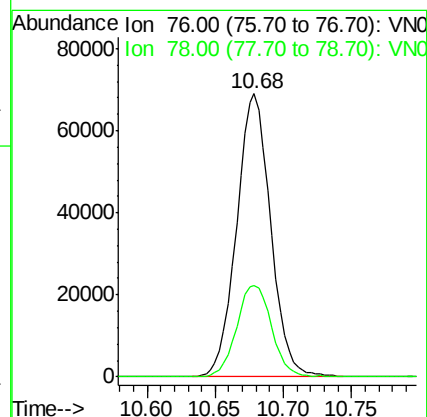
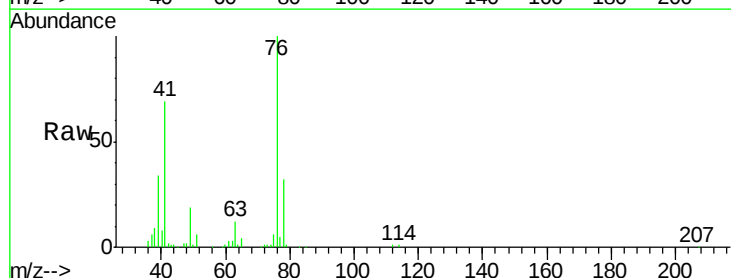
Acq: 6 Oct 2020 10:51

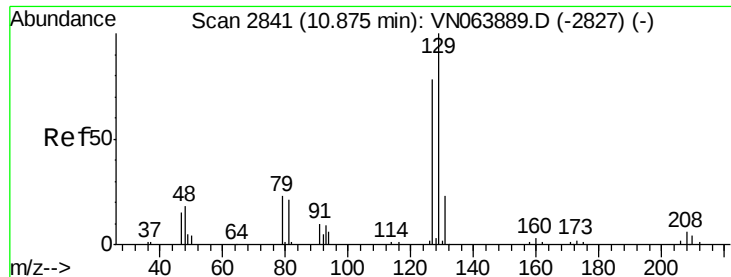
Tgt Ion: 76 Resp: 119691

Ion Ratio Lower Upper

76 100

78 33.0 0.0 66.0





#53

Dibromochloromethane

Concen: 22.178 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

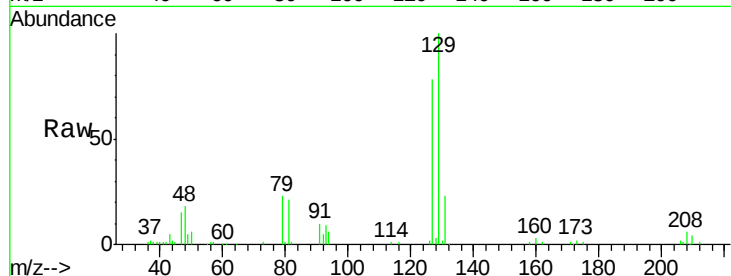
VSTDICCC020

Tgt Ion:129 Resp: 82101

Ion Ratio Lower Upper

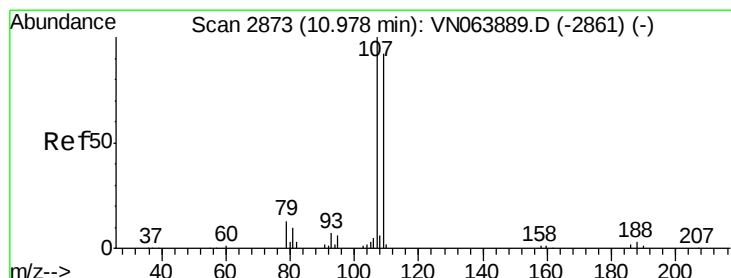
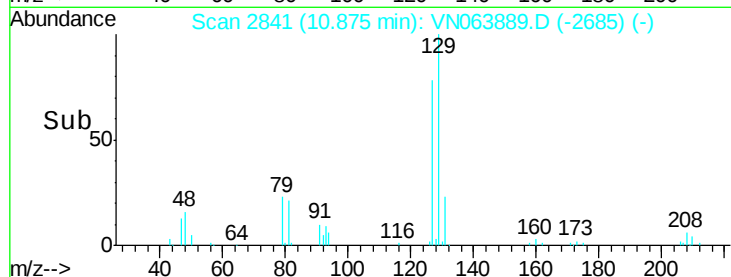
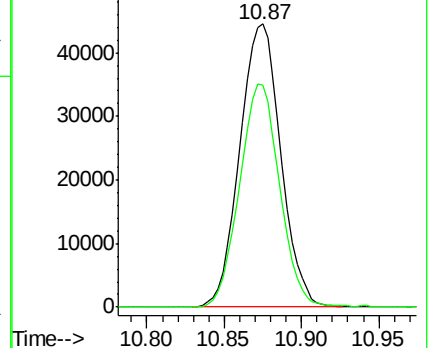
129 100

127 76.7 38.4 115.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 22.906 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN063889.D

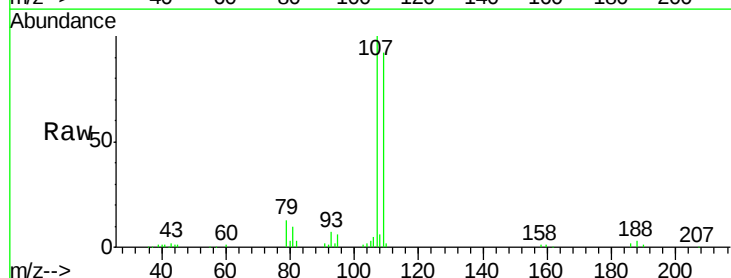
Acq: 6 Oct 2020 10:51

Tgt Ion:107 Resp: 74685

Ion Ratio Lower Upper

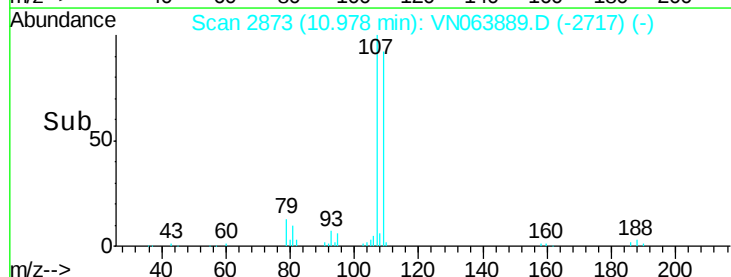
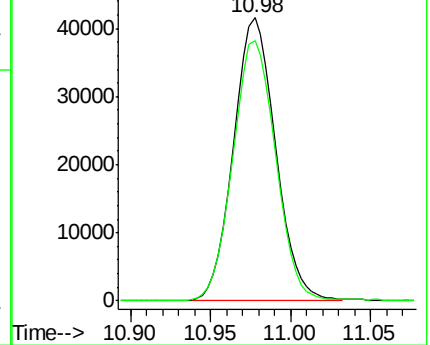
107 100

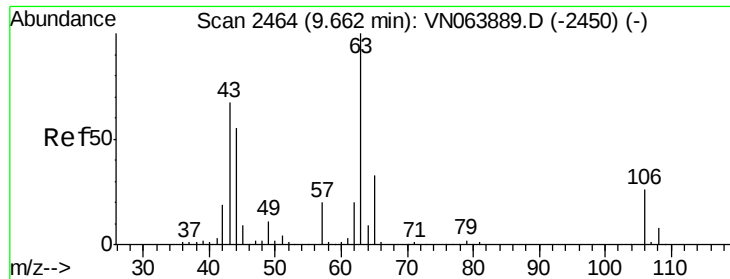
109 93.4 74.7 112.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

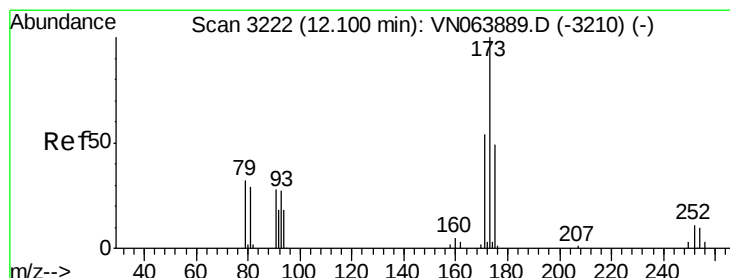
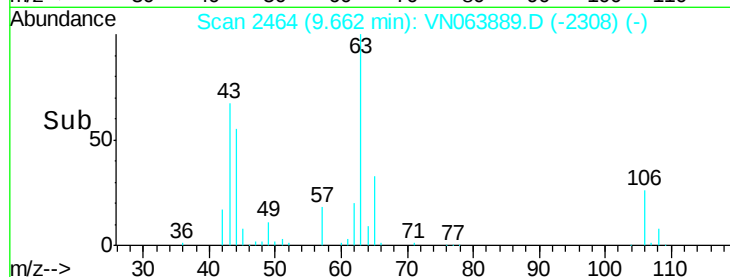
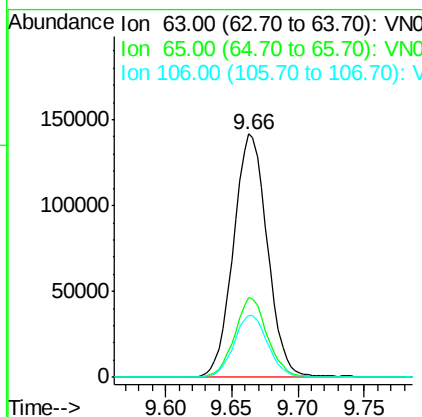
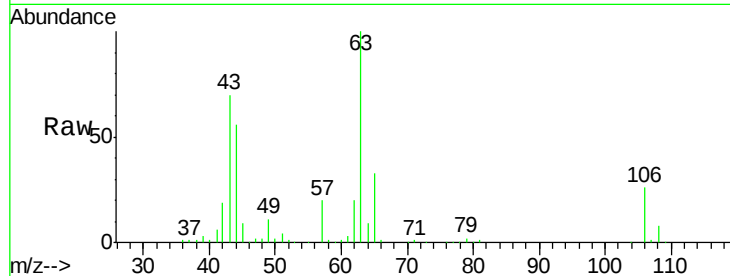




#55
 2-Chloroethyl vinyl ether
 Concen: 199.933 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

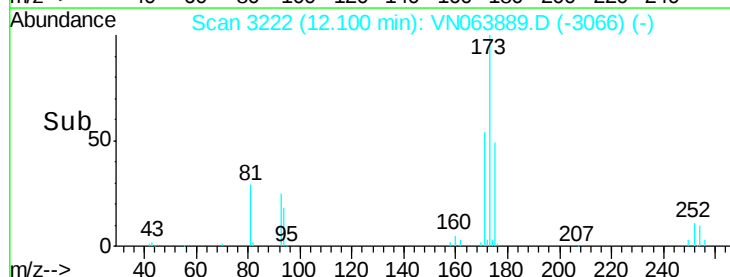
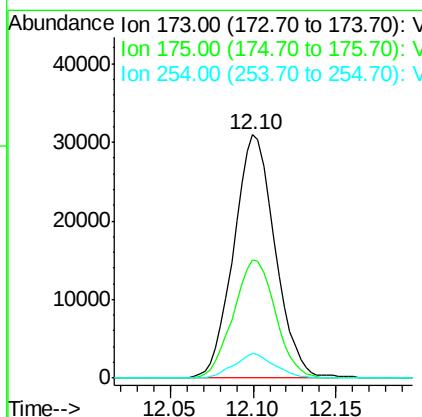
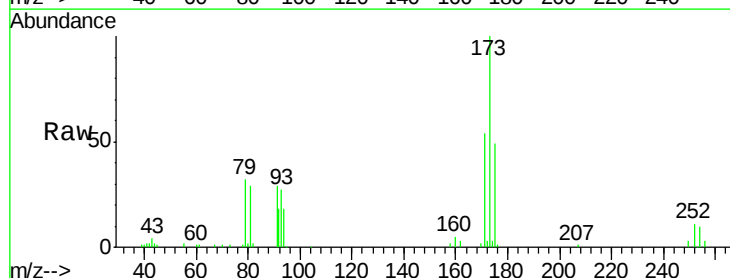
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

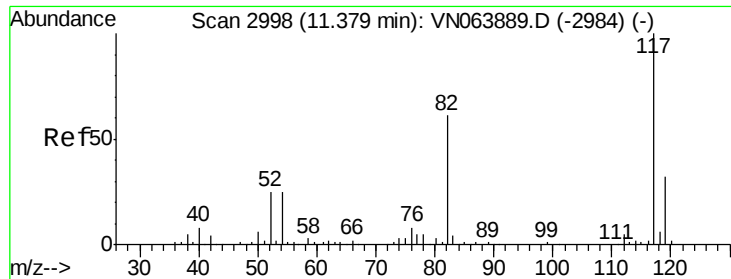
Tgt Ion: 63 Resp: 252553
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.4 38.2
 106 25.4 20.3 30.5



#56
 Bromoform
 Concen: 20.119 ug/l
 RT: 12.10 min Scan# 3222
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Tgt Ion: 173 Resp: 53765
 Ion Ratio Lower Upper
 173 100
 175 49.3 39.4 59.2
 254 9.7 7.8 11.6

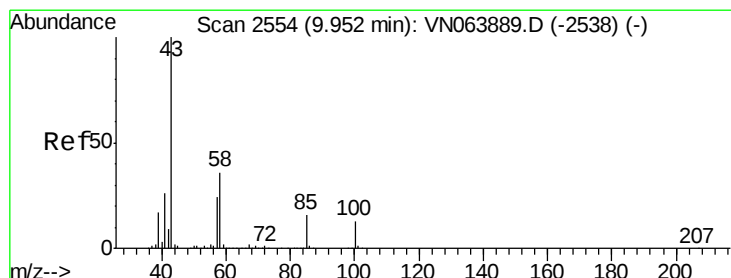
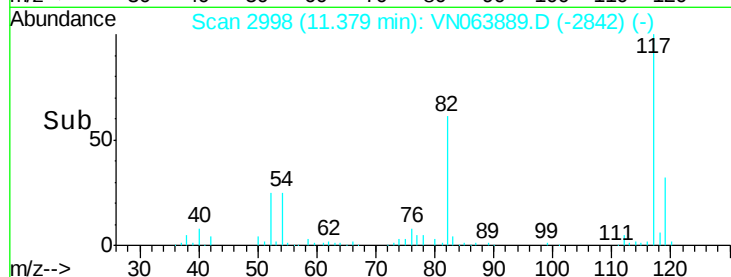
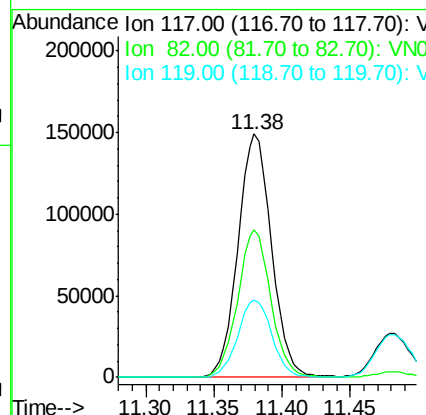
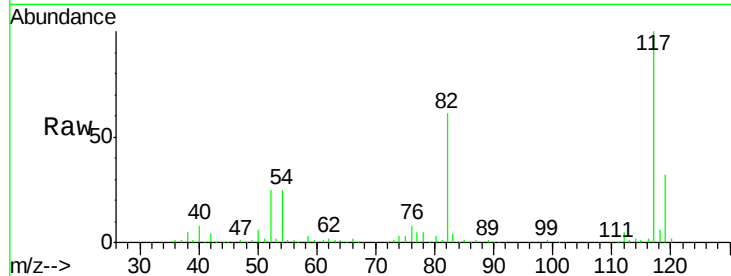




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

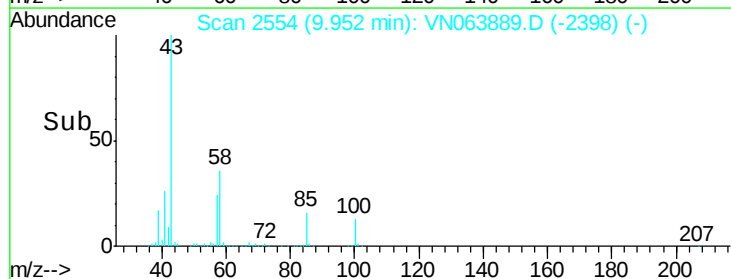
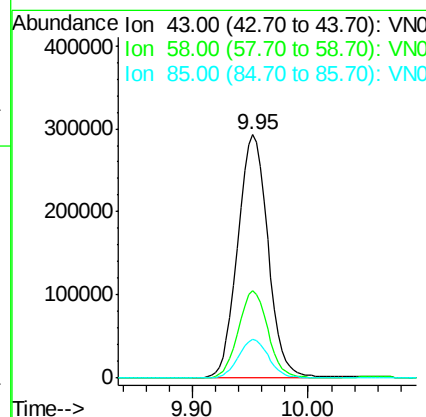
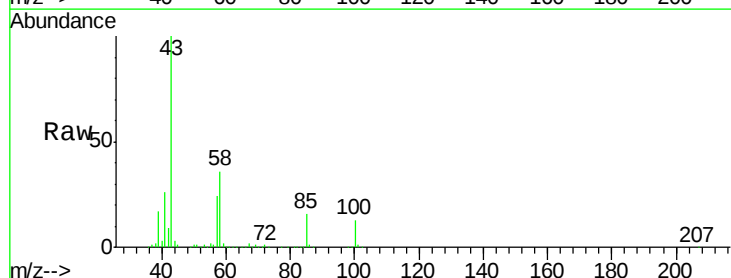
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

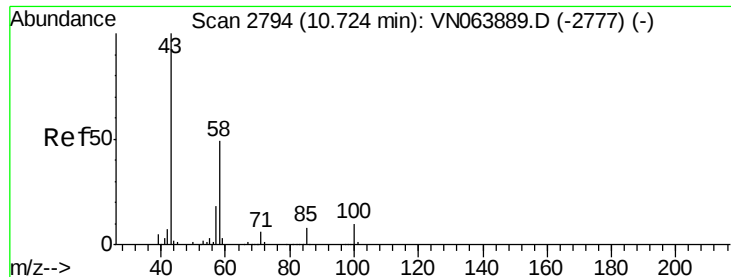
Tgt Ion: 117 Resp: 254780
Ion Ratio Lower Upper
117 100
82 59.6 47.7 71.5
119 32.1 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 131.206 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion: 43 Resp: 528930
Ion Ratio Lower Upper
43 100
58 35.3 28.2 42.4
85 16.0 12.8 19.2

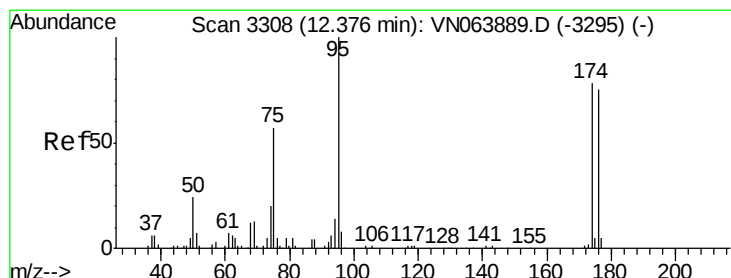
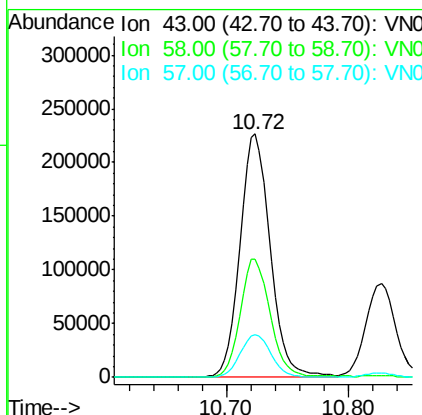
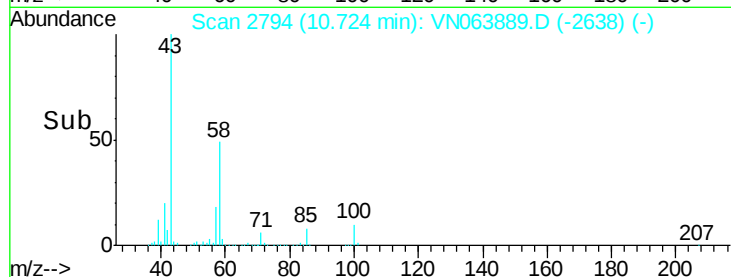
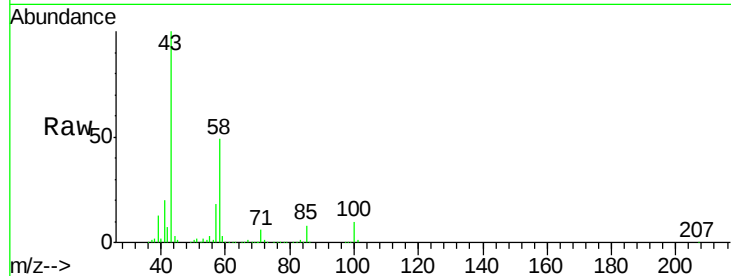




#59
2-Hexanone
Concen: 132.430 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

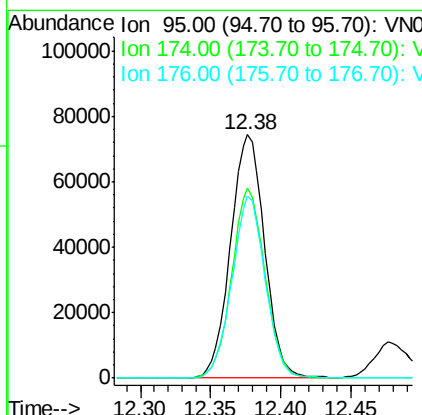
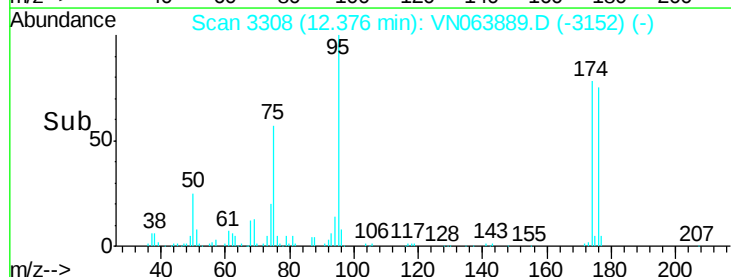
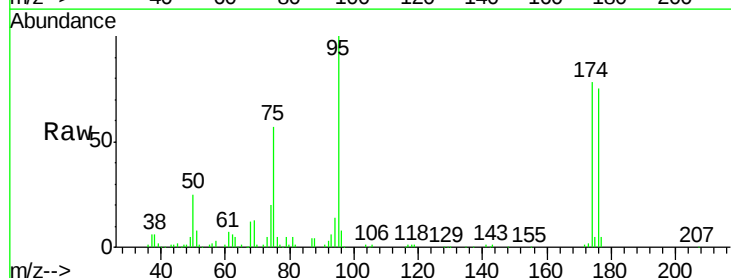
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

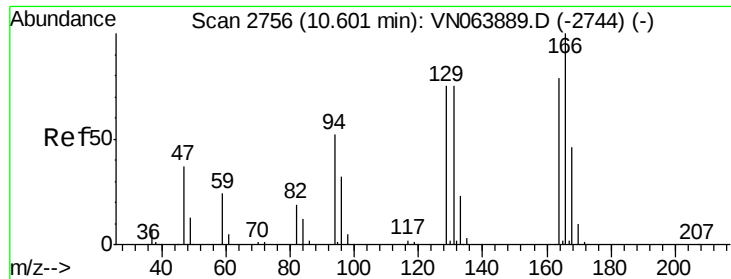
Tgt Ion: 43 Resp: 384794
Ion Ratio Lower Upper
43 100
58 48.6 38.9 58.3
57 18.3 14.6 22.0



#60
4-Bromofluorobenzene
Concen: 30.787 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion: 95 Resp: 125834
Ion Ratio Lower Upper
95 100
174 76.2 61.0 91.4
176 73.1 58.5 87.7





#61

Tetrachloroethene

Concen: 23.748 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion:164 Resp: 70608

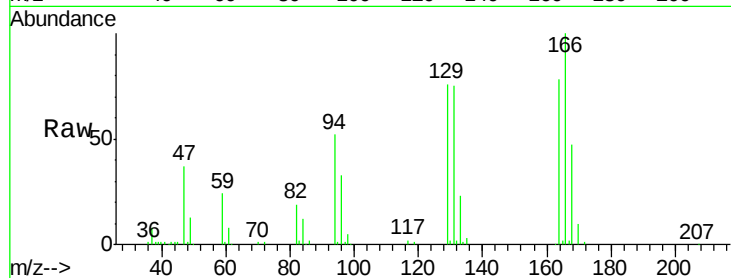
Ion Ratio Lower Upper

164 100

166 127.8 102.2 153.4

129 96.5 77.2 115.8

131 95.7 76.6 114.8

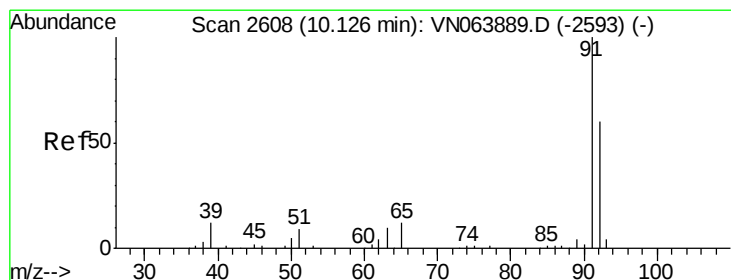
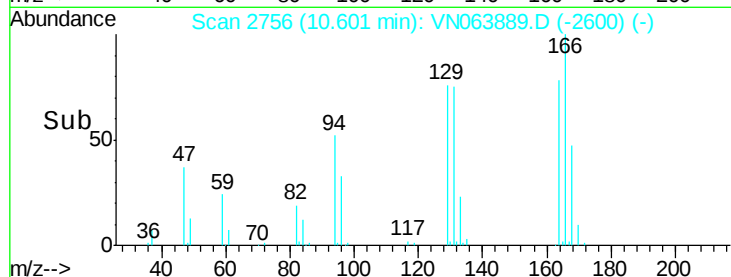
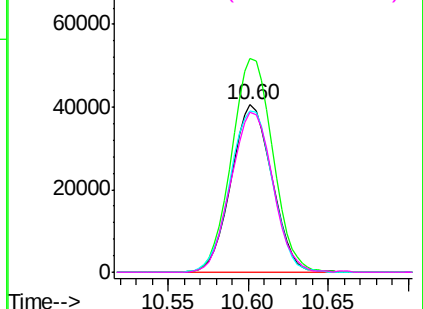


Abundance Ion 163.85 (163.55 to 164.55): V

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: 21.789 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063889.D

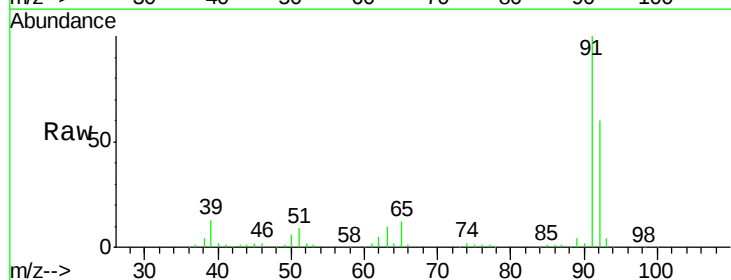
Acq: 6 Oct 2020 10:51

Tgt Ion: 91 Resp: 306672

Ion Ratio Lower Upper

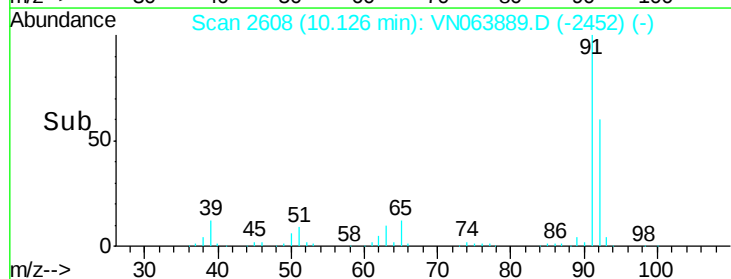
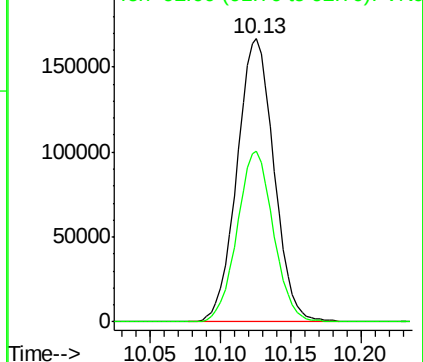
91 100

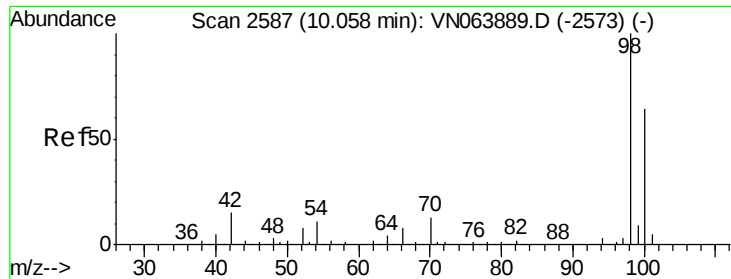
92 59.0 47.2 70.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

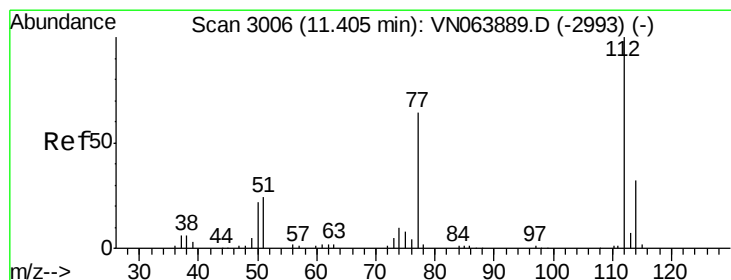
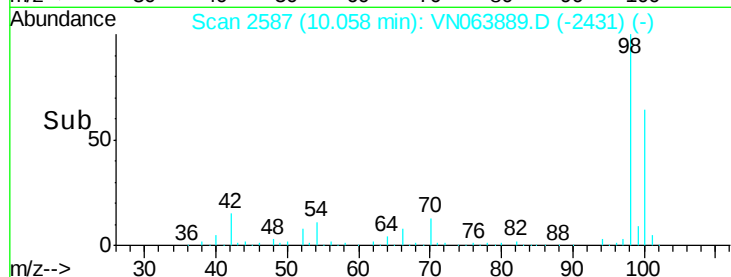
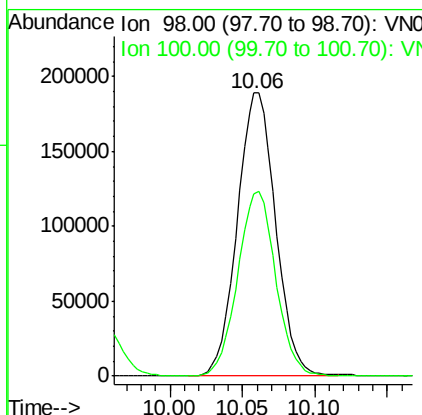
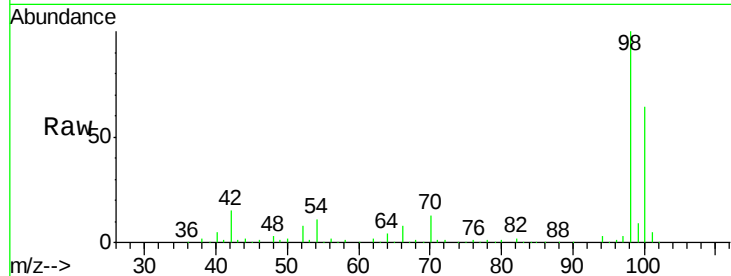




#63
Toluene-d8
Concen: 29.784 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

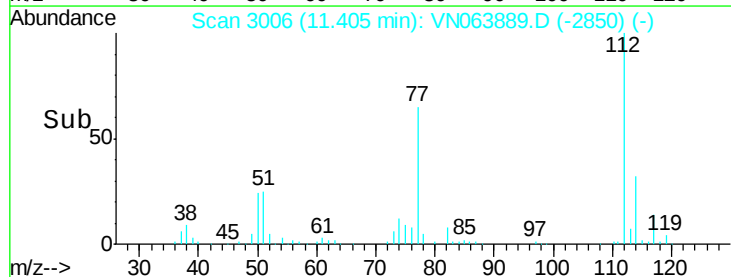
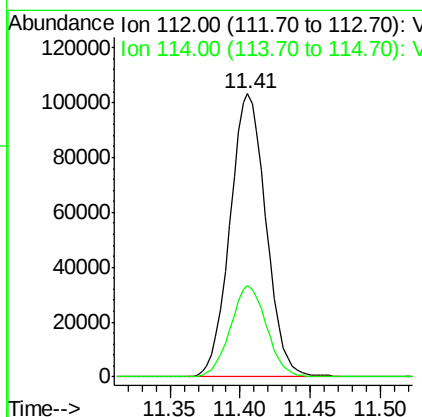
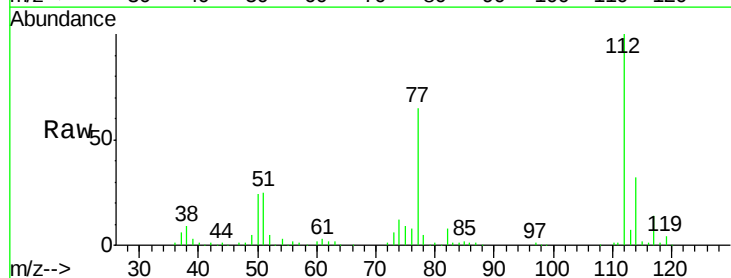
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

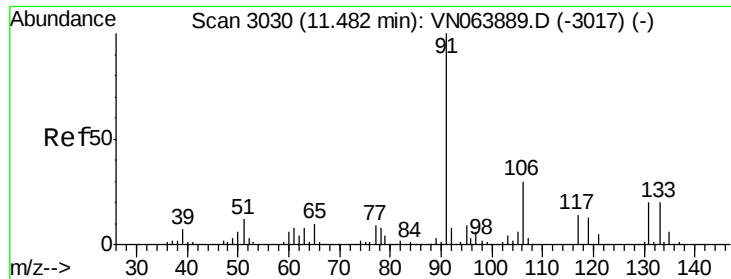
Tgt Ion: 98 Resp: 347277
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.6



#64
Chlorobenzene
Concen: 21.298 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion: 112 Resp: 184317
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6





#65

1,1,1,2-Tetrachloroethane

Concen: 21.173 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

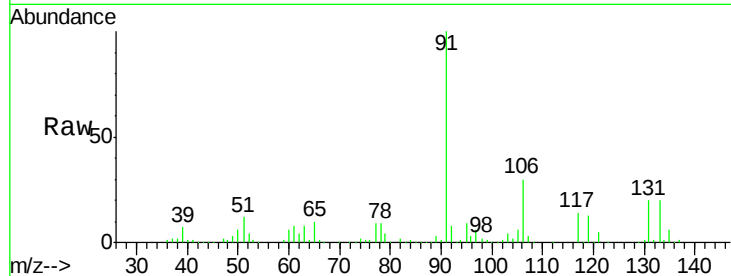
Tgt Ion: 131 Resp: 72571

Ion Ratio Lower Upper

131 100

133 96.3 0.0 192.6

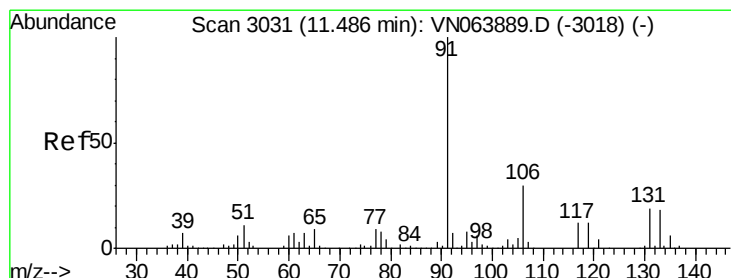
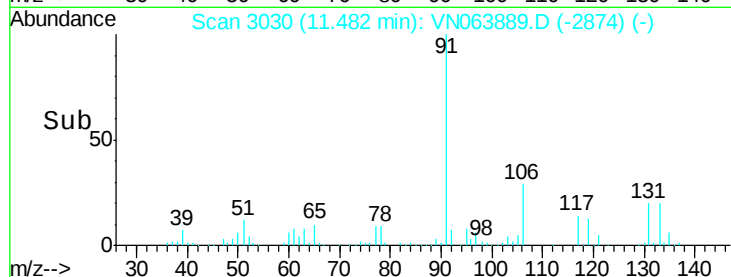
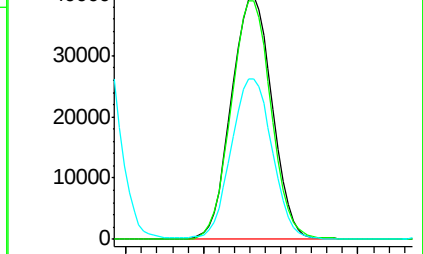
119 66.6 0.0 133.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 21.513 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VN063889.D

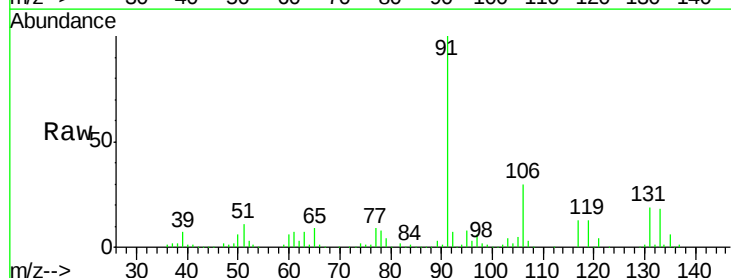
Acq: 6 Oct 2020 10:51

Tgt Ion: 91 Resp: 331868

Ion Ratio Lower Upper

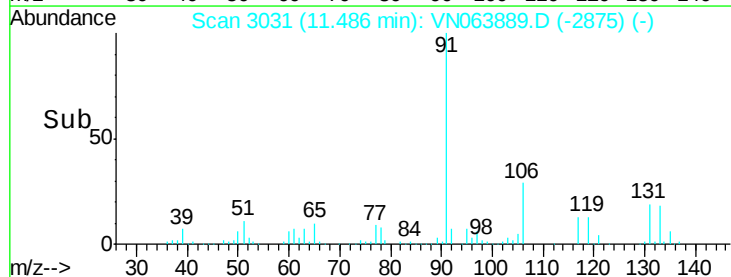
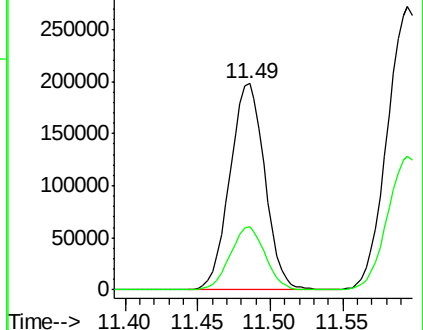
91 100

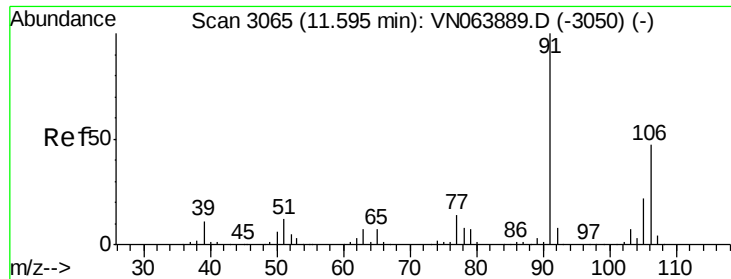
106 30.5 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

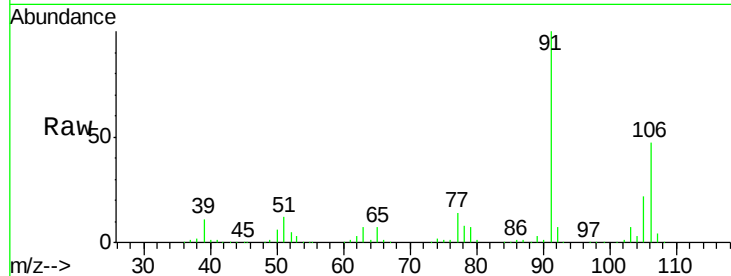




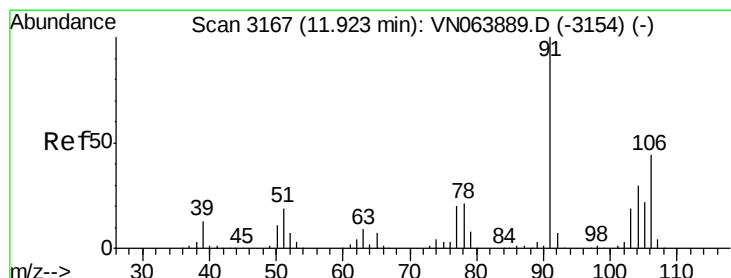
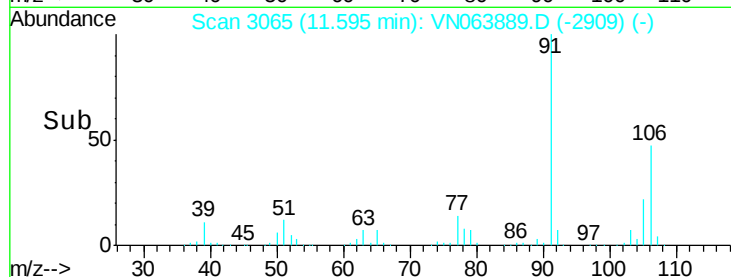
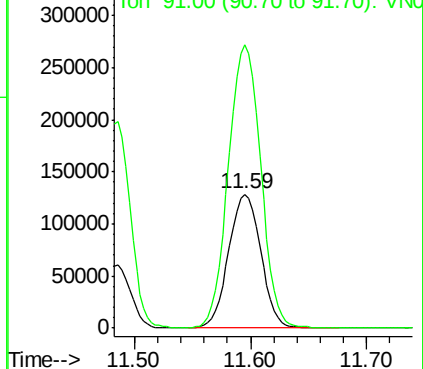
#67
m/p-Xylenes
Concen: 43.221 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:106 Resp: 249386
Ion Ratio Lower Upper
106 100
91 211.5 169.2 253.8

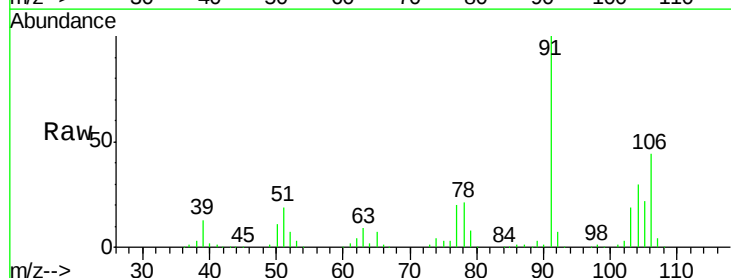


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

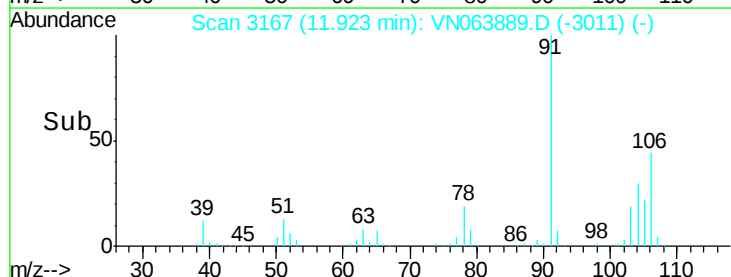
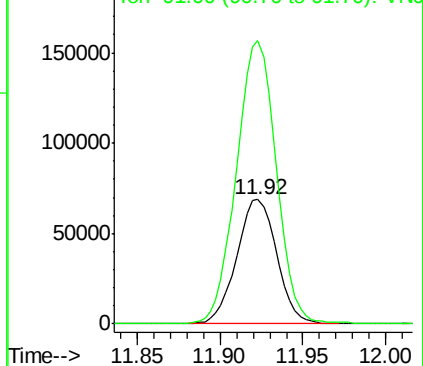


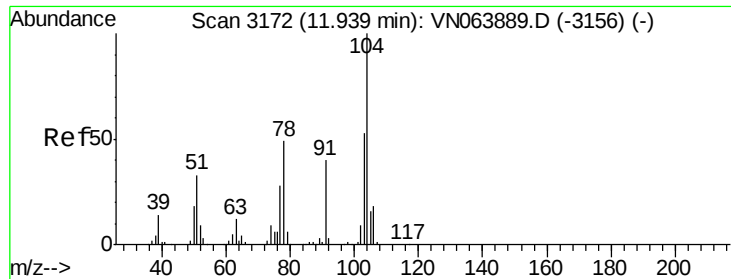
#68
o-Xylene
Concen: 21.057 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion:106 Resp: 116169
Ion Ratio Lower Upper
106 100
91 226.3 113.1 339.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

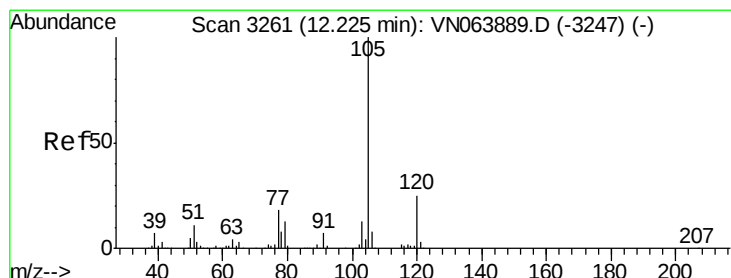
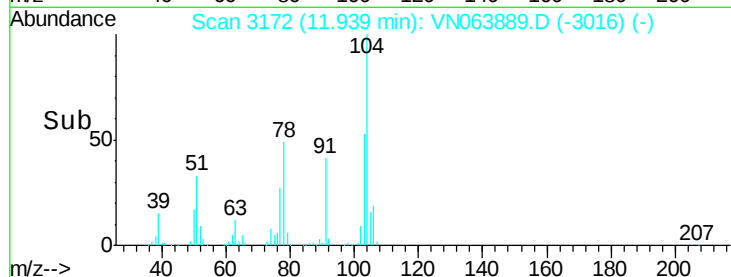
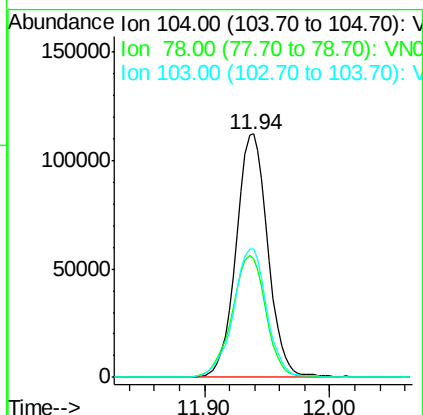
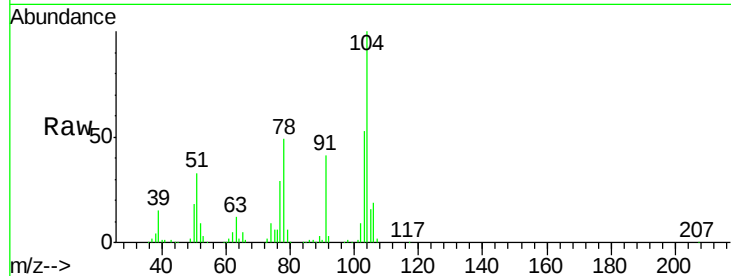




#69
Styrene
Concen: 20.611 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

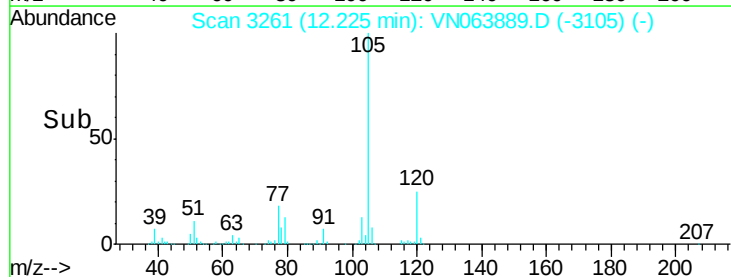
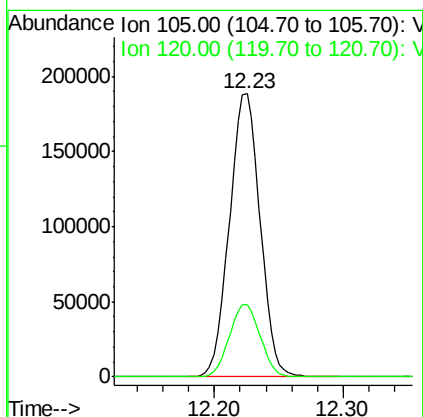
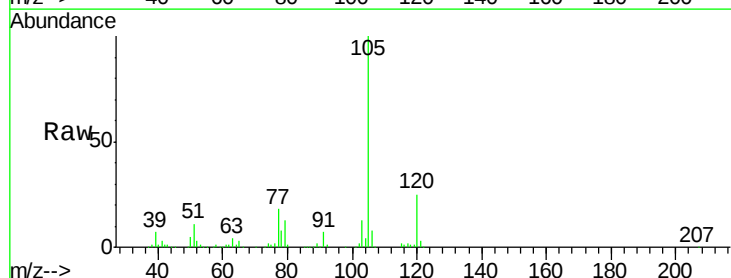
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

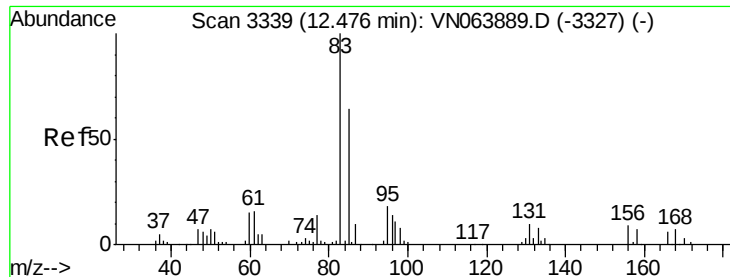
Tgt Ion:104 Resp: 197659
Ion Ratio Lower Upper
104 100
78 53.6 42.9 64.3
103 55.7 44.6 66.8



#70
Isopropylbenzene
Concen: 20.808 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion:105 Resp: 310938
Ion Ratio Lower Upper
105 100
120 25.5 17.8 33.1

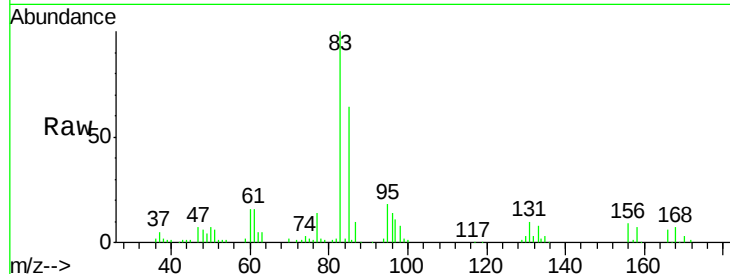




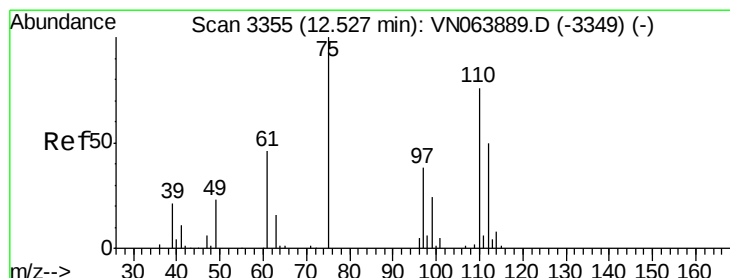
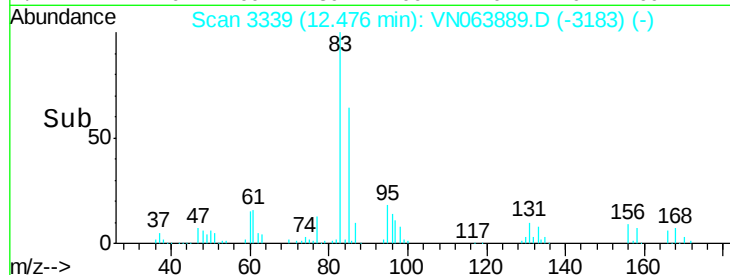
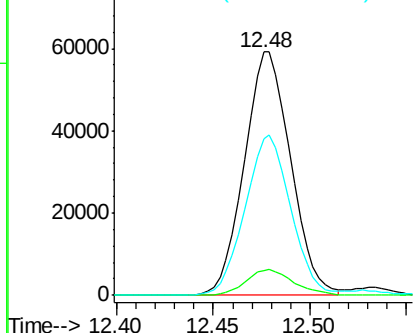
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.864 ug/l
 RT: 12.48 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 83 Resp: 98907
 Ion Ratio Lower Upper
 83 100
 131 10.8 5.4 16.2
 85 64.5 32.3 96.8

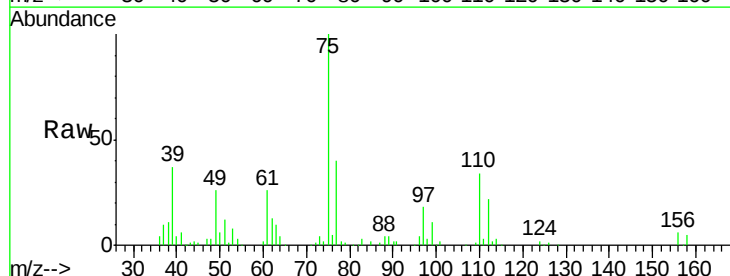


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0

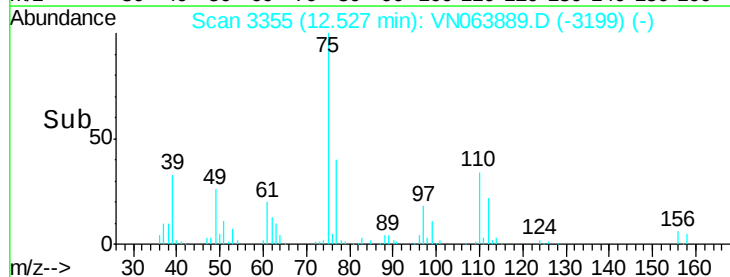
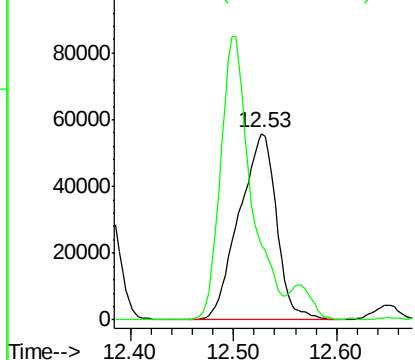


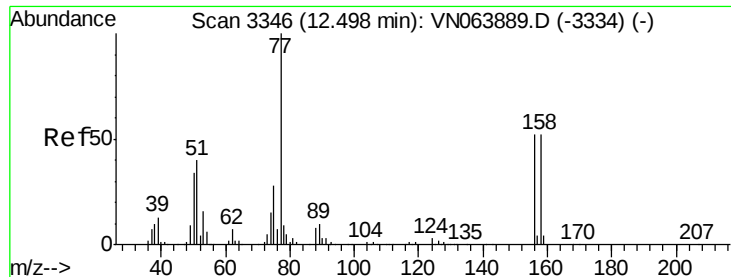
#72
 1,2,3-Trichloropropane
 Concen: 31.902 ug/l
 RT: 12.53 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Tgt Ion: 75 Resp: 139480
 Ion Ratio Lower Upper
 75 100
 77 125.9 0.0 336.6



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





#73

Bromobenzene

Concen: 19.436 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

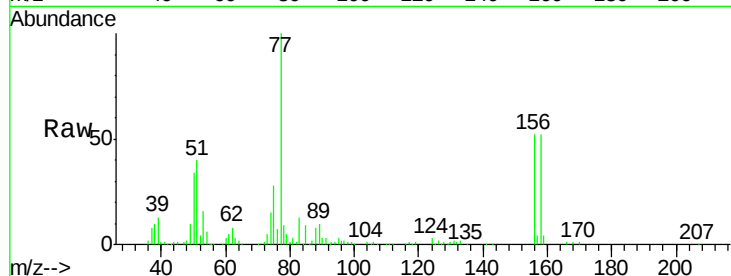
Tgt Ion:156 Resp: 76965

Ion Ratio Lower Upper

156 100

77 228.2 0.0 456.4

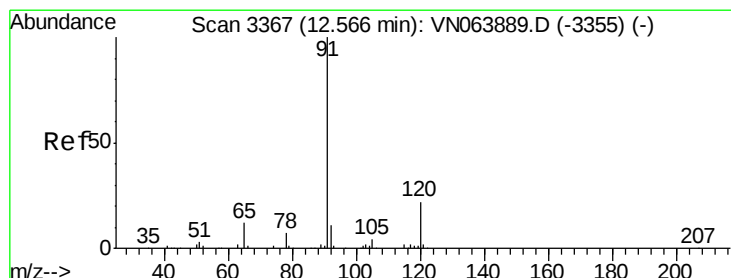
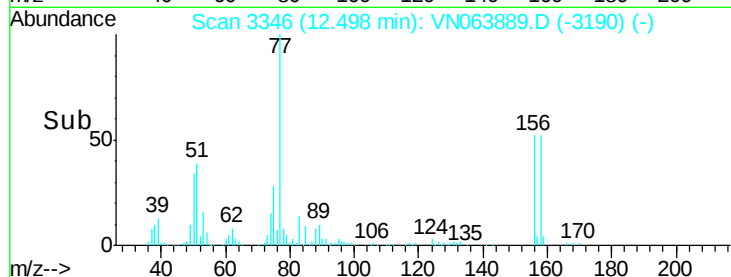
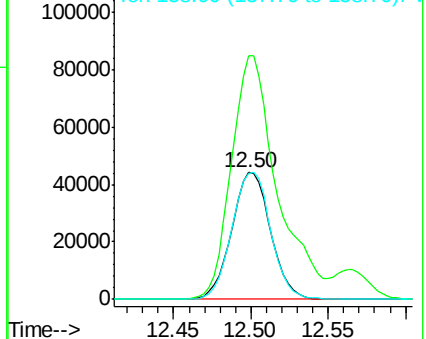
158 100.2 0.0 200.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.296 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063889.D

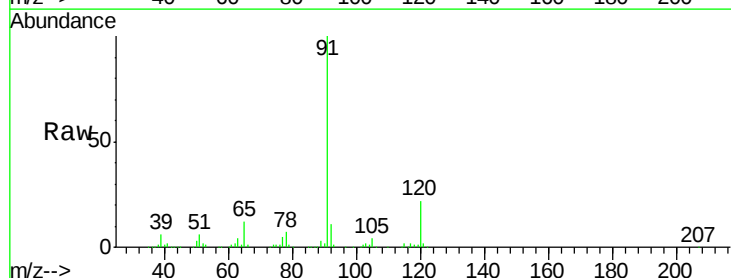
Acq: 6 Oct 2020 10:51

Tgt Ion: 91 Resp: 362208

Ion Ratio Lower Upper

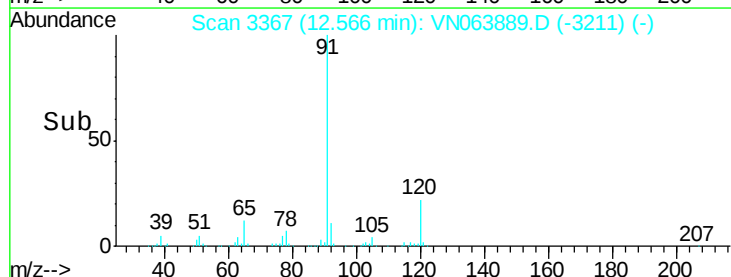
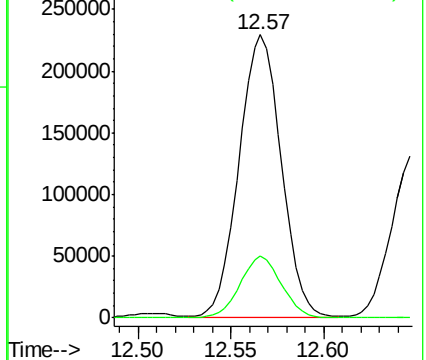
91 100

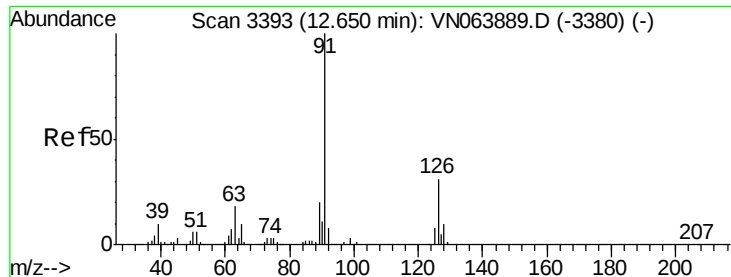
120 21.3 0.0 42.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.775 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

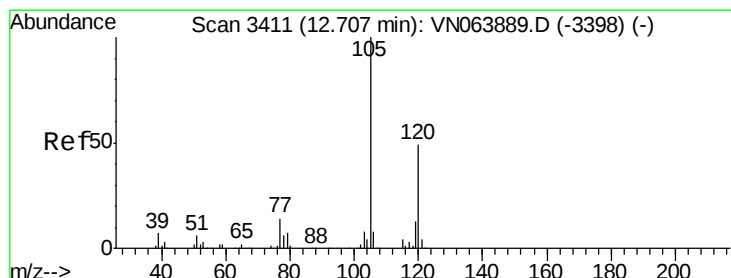
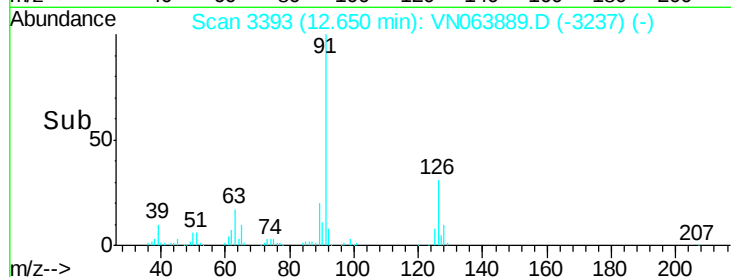
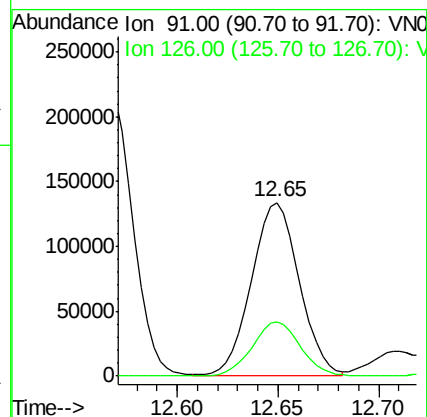
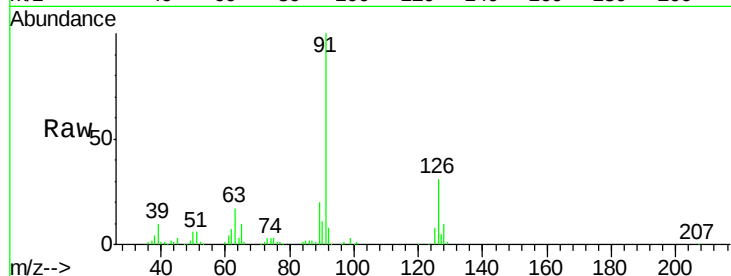
VSTDICCC020

Tgt Ion: 91 Resp: 221801

Ion Ratio Lower Upper

91 100

126 31.7 0.0 63.4



#76

1,3,5-Trimethylbenzene

Concen: 20.513 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063889.D

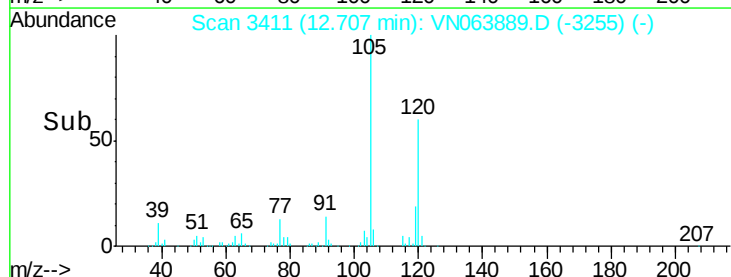
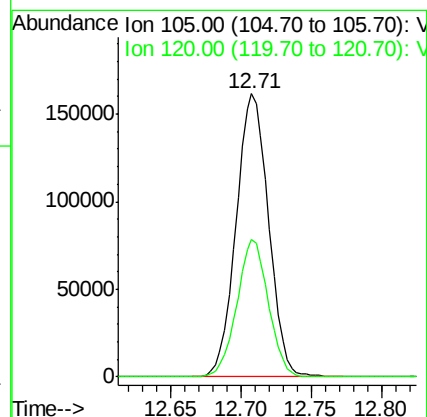
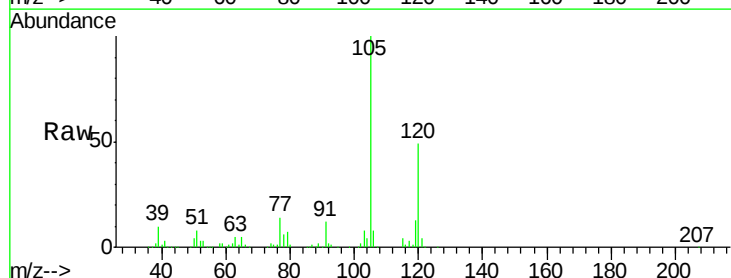
Acq: 6 Oct 2020 10:51

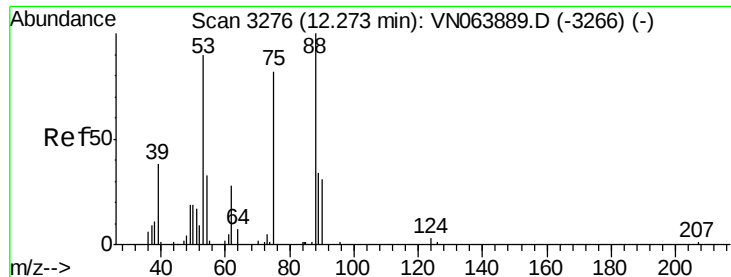
Tgt Ion: 105 Resp: 260560

Ion Ratio Lower Upper

105 100

120 47.1 0.0 94.2





#77

t-1,4-Dichloro-2-butene

Concen: 22.261 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

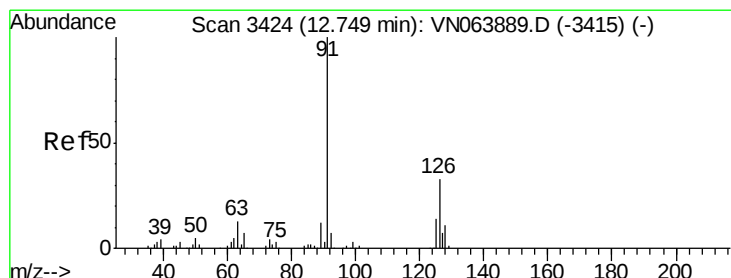
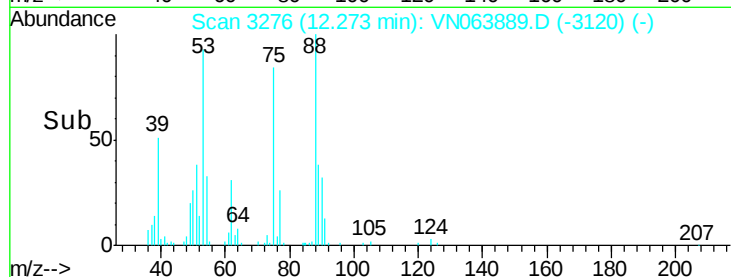
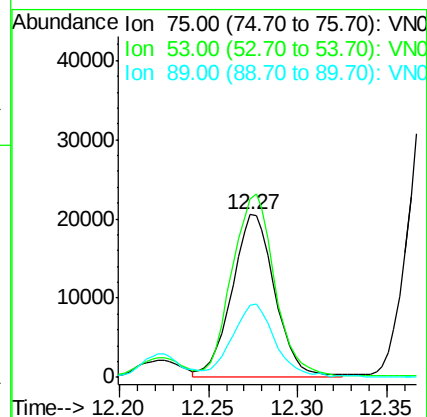
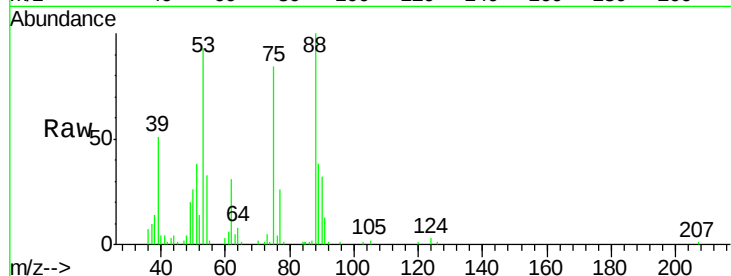
Tgt Ion: 75 Resp: 34358

Ion Ratio Lower Upper

75 100

53 110.6 55.3 165.9

89 43.9 21.9 65.8



#78

4-Chlorotoluene

Concen: 21.185 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN063889.D

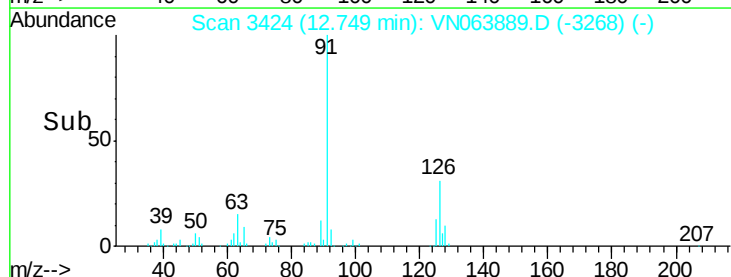
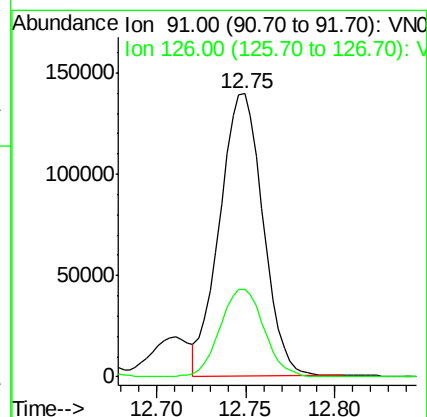
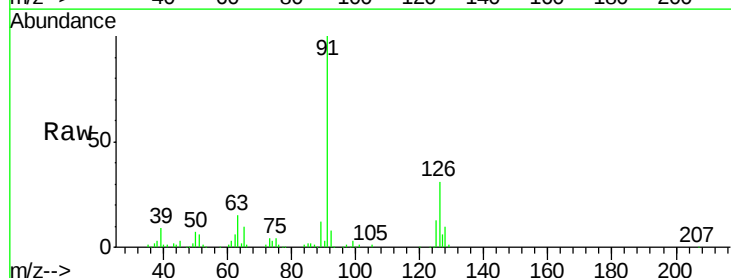
Acq: 6 Oct 2020 10:51

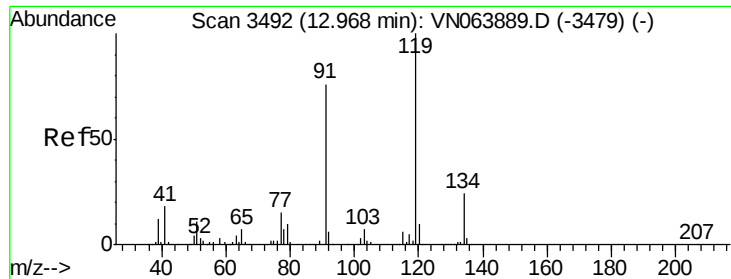
Tgt Ion: 91 Resp: 234709

Ion Ratio Lower Upper

91 100

126 31.3 0.0 62.6

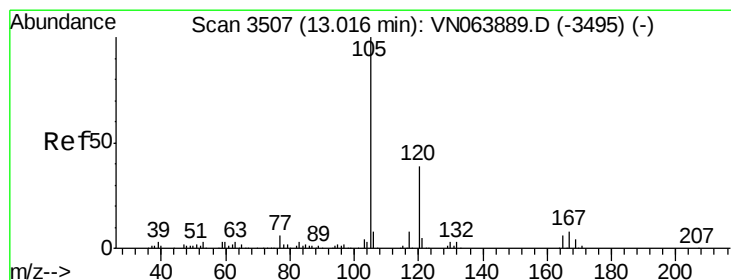
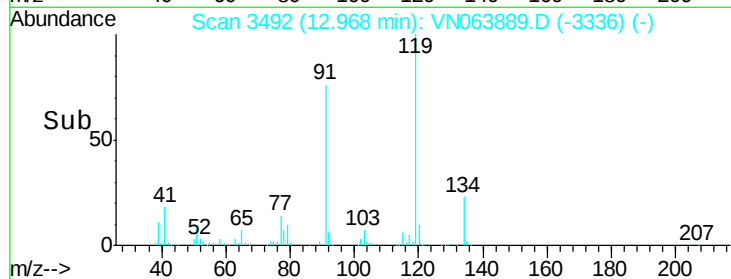
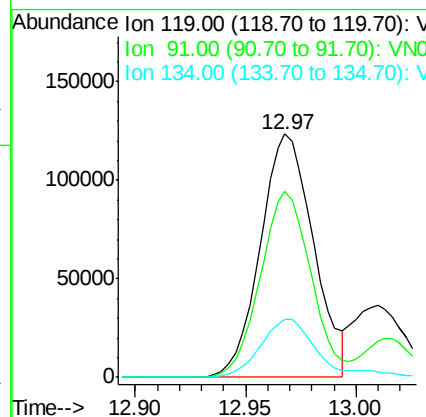
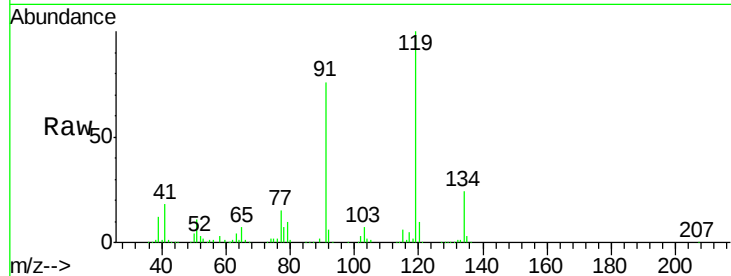




#79
tert-butylbenzene
Concen: 19.449 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

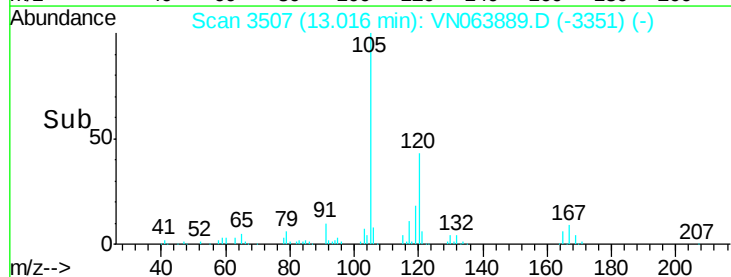
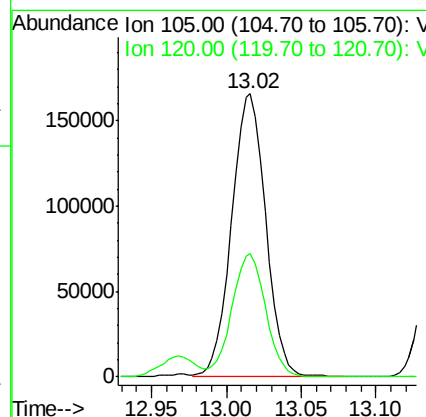
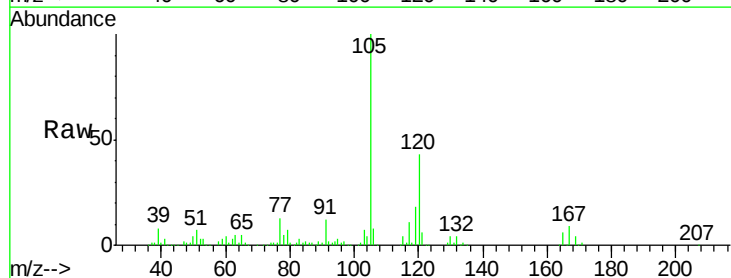
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

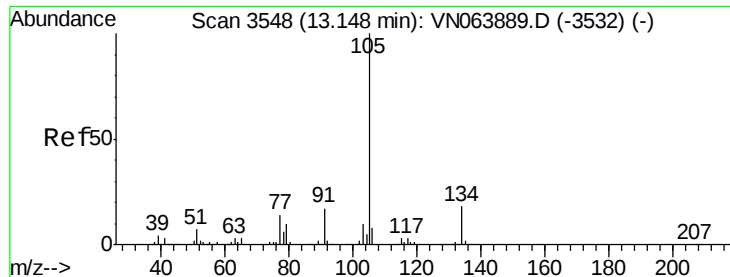
Tgt Ion:119 Resp: 206439
Ion Ratio Lower Upper
119 100
91 72.8 0.0 145.6
134 23.9 0.0 47.8



#80
1,2,4-Trimethylbenzene
Concen: 21.105 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion:105 Resp: 263529
Ion Ratio Lower Upper
105 100
120 42.7 0.0 85.4

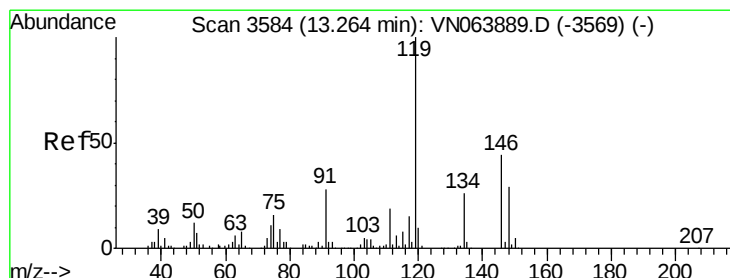
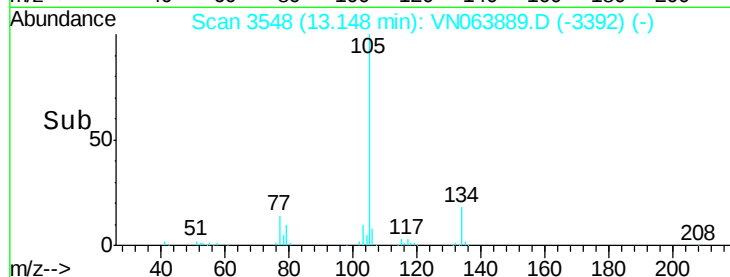
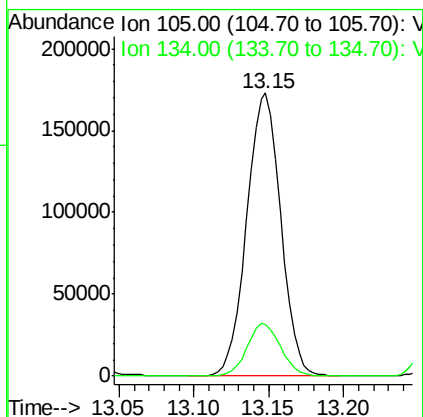
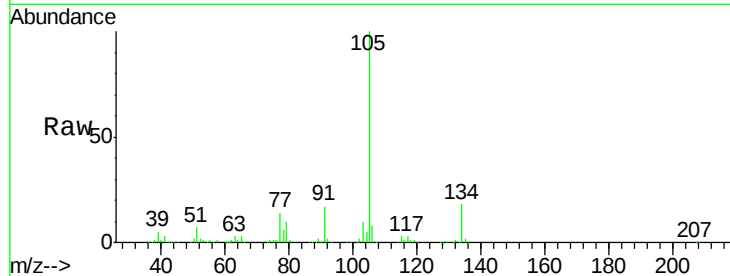




#81
 sec-Butylbenzene
 Concen: 18.896 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

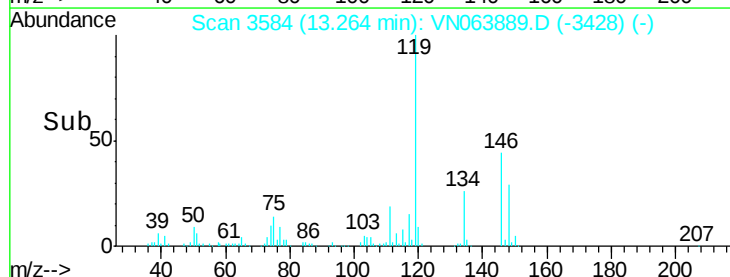
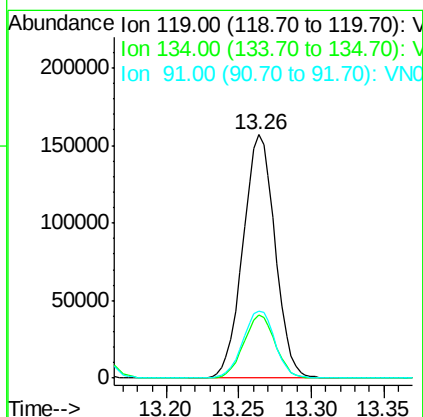
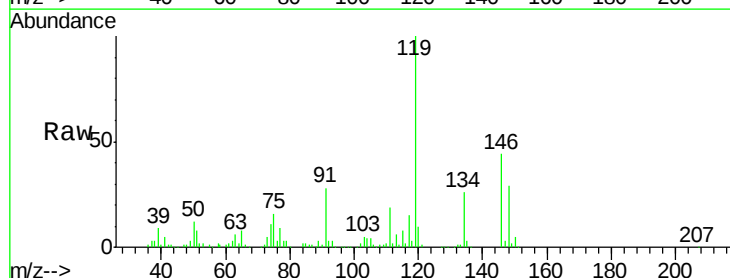
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

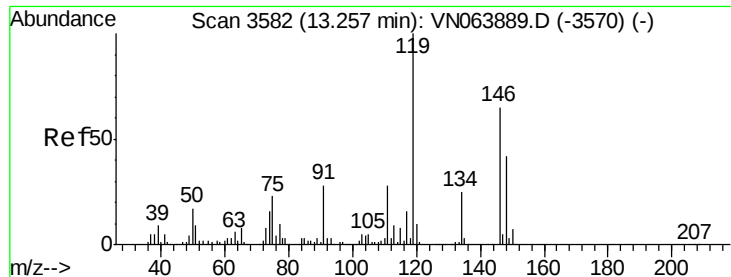
Tgt Ion:105 Resp: 274210
 Ion Ratio Lower Upper
 105 100
 134 18.4 0.0 36.8



#82
 p-Isopropyltoluene
 Concen: 18.757 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Tgt Ion:119 Resp: 241717
 Ion Ratio Lower Upper
 119 100
 134 25.3 0.0 50.6
 91 27.6 0.0 55.2

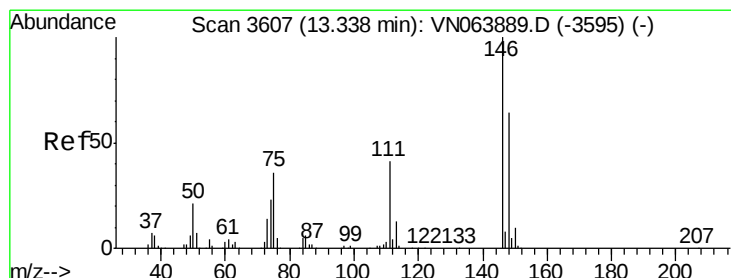
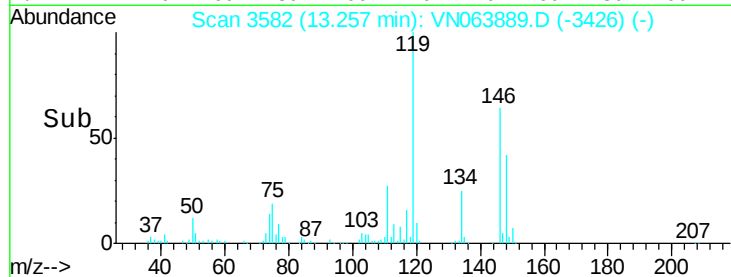
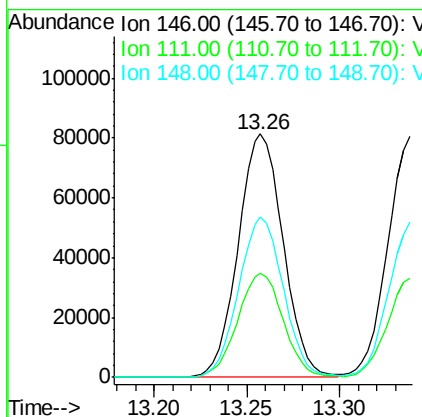
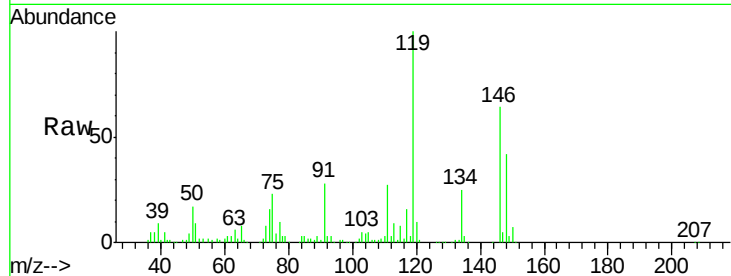




#83
 1,3-Dichlorobenzene
 Concen: 19.789 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

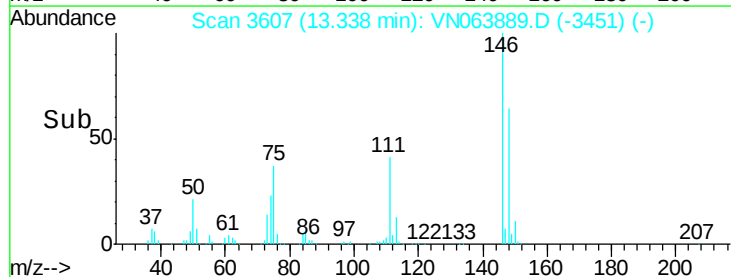
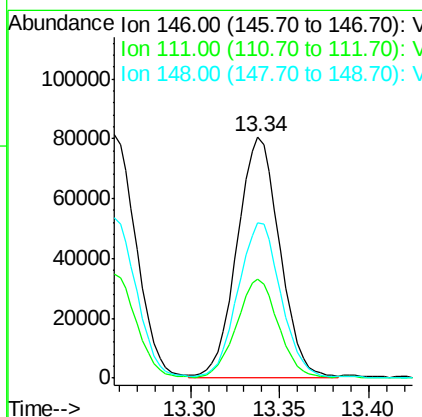
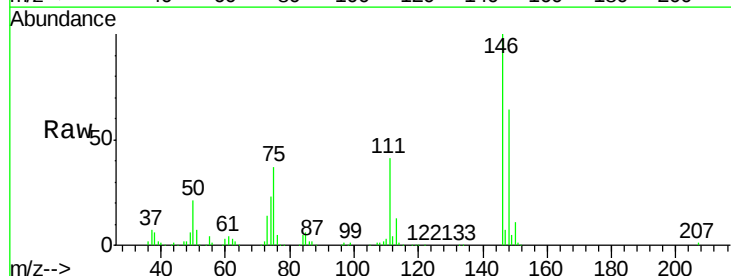
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

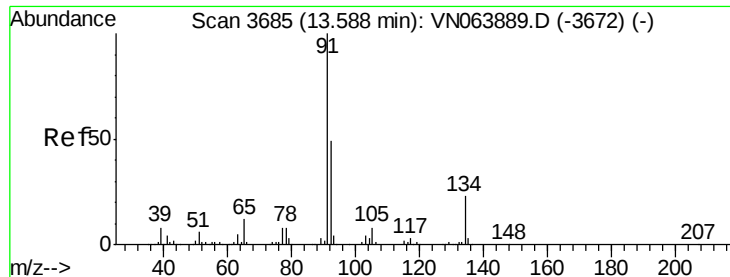
Tgt Ion:146 Resp: 137612
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.6 64.8
 148 65.5 32.8 98.3



#84
 1,4-Dichlorobenzene
 Concen: 19.856 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Tgt Ion:146 Resp: 135559
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.8 59.4
 148 65.3 32.6 98.0





#85

n-Butylbenzene

Concen: 19.311 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

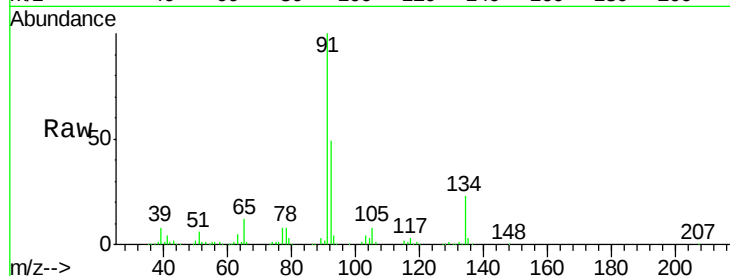
Tgt Ion: 91 Resp: 211068

Ion Ratio Lower Upper

91 100

92 49.1 0.0 98.2

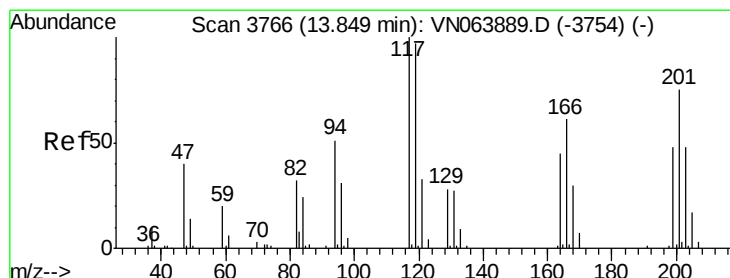
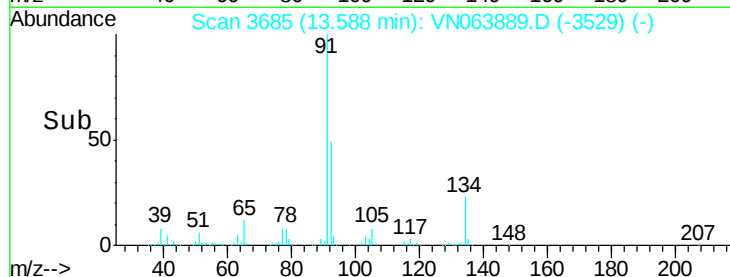
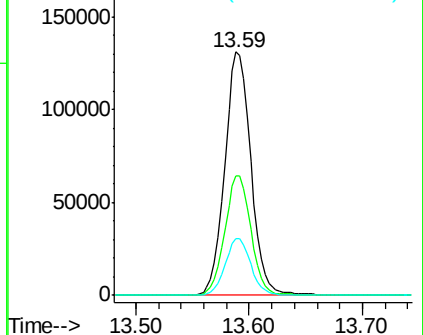
134 22.9 0.0 45.8



Abundance Ion 91.00 (90.70 to 91.70): VN063889.D (-3672) (-)

Ion 92.00 (91.70 to 92.70): VN063889.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN063889.D (-3672) (-)



#86

Hexachloroethane

Concen: 16.895 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN063889.D

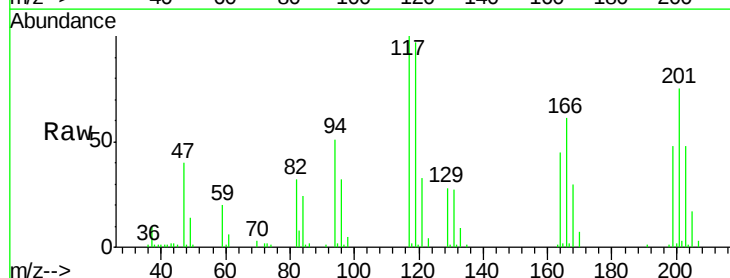
Acq: 6 Oct 2020 10:51

Tgt Ion: 117 Resp: 41663

Ion Ratio Lower Upper

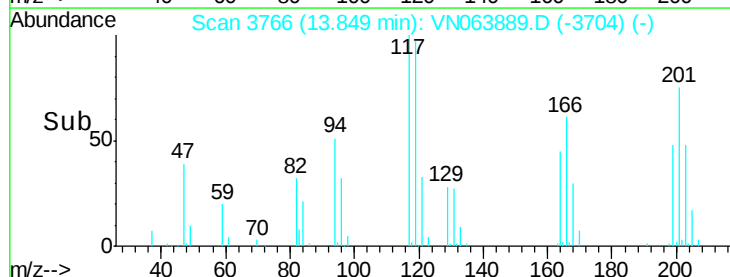
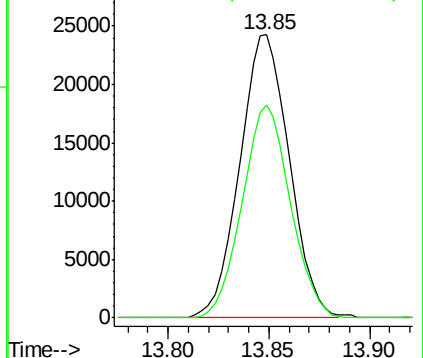
117 100

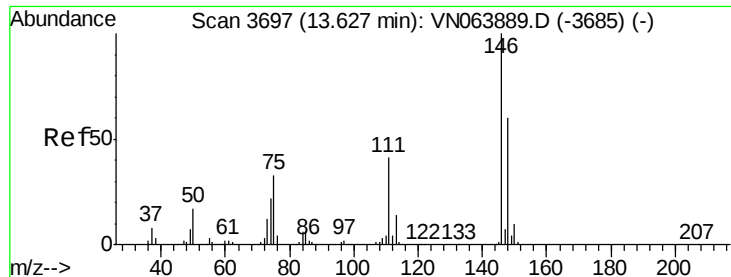
201 73.3 36.6 109.9



Abundance Ion 117.00 (116.70 to 117.70): VN063889.D (-3754) (-)

Ion 201.00 (200.70 to 201.70): VN063889.D (-3754) (-)

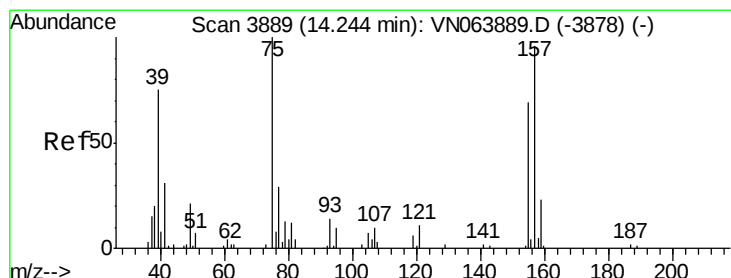
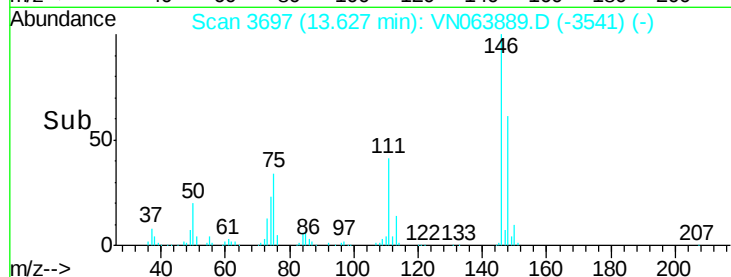
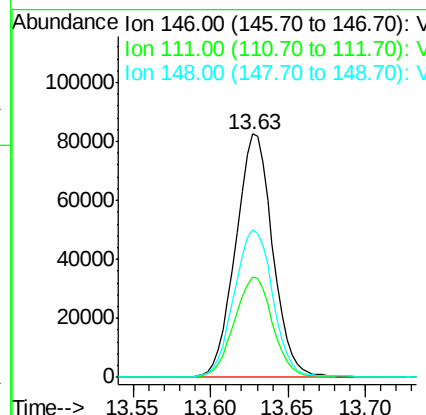
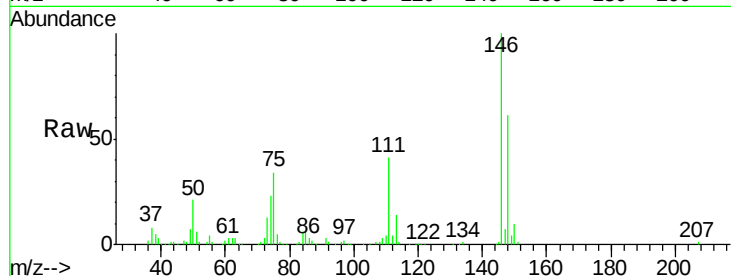




#87
 1,2-Dichlorobenzene
 Concen: 20.517 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

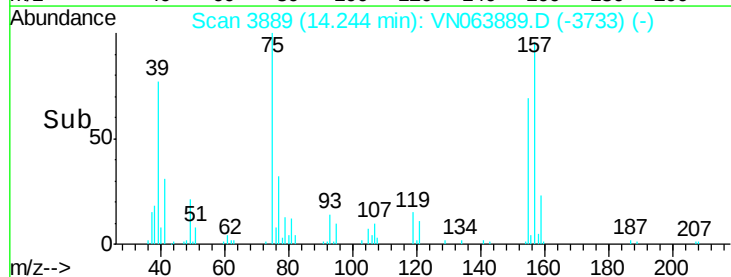
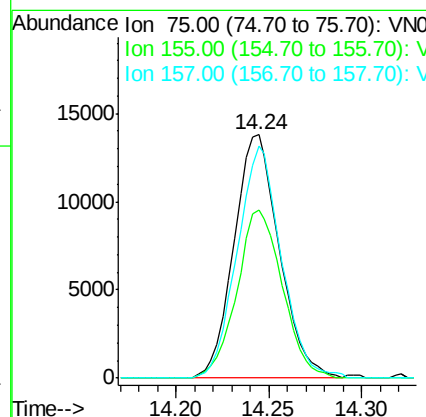
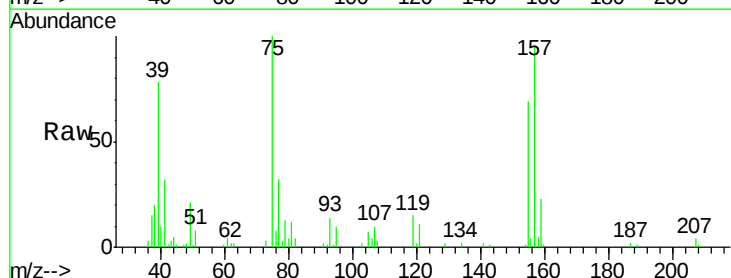
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

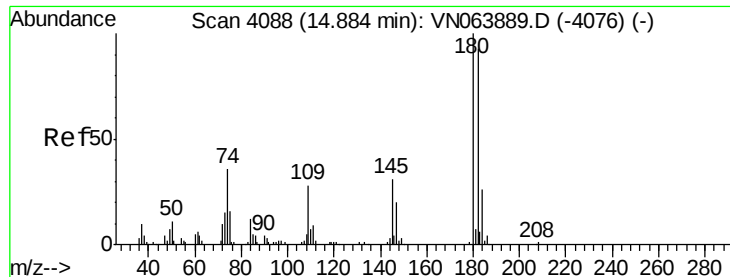
Tgt Ion: 146 Resp: 137497
 Ion Ratio Lower Upper
 146 100
 111 42.5 21.3 63.7
 148 63.3 31.6 95.0



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 28.096 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Tgt Ion: 75 Resp: 23541
 Ion Ratio Lower Upper
 75 100
 155 69.3 55.4 83.2
 157 92.0 73.6 110.4

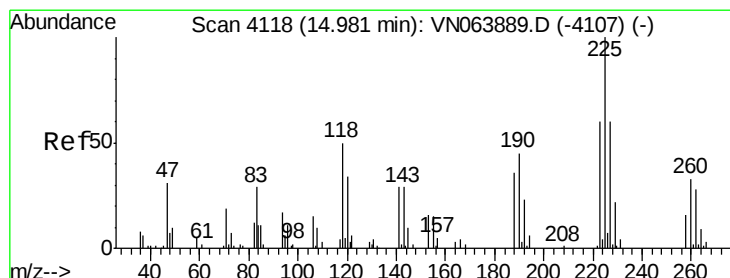
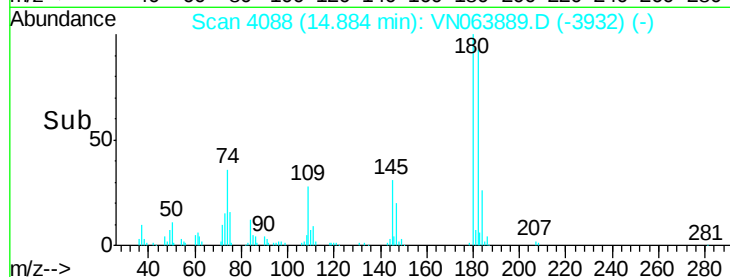
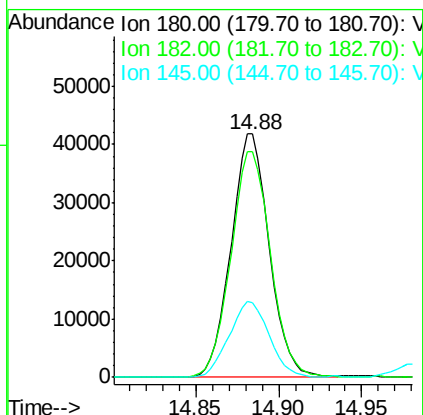
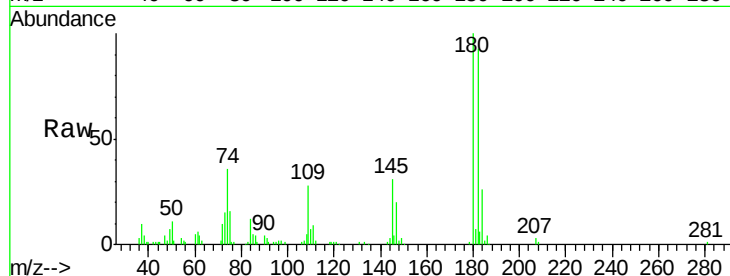




#89
 1,2,4-Trichlorobenzene
 Concen: 19.837 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

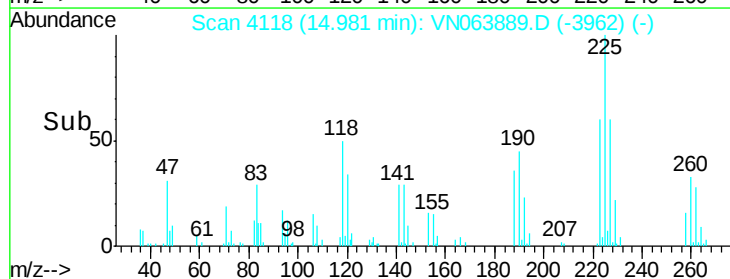
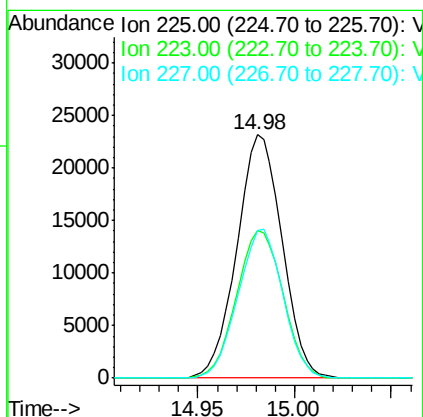
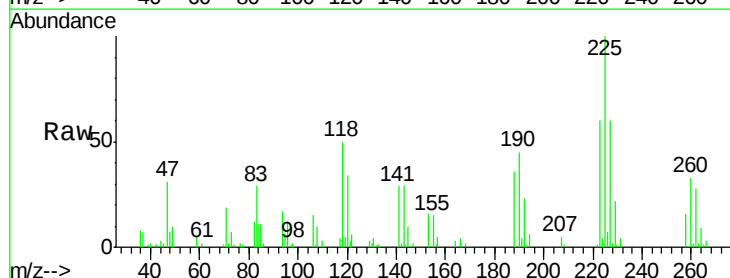
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

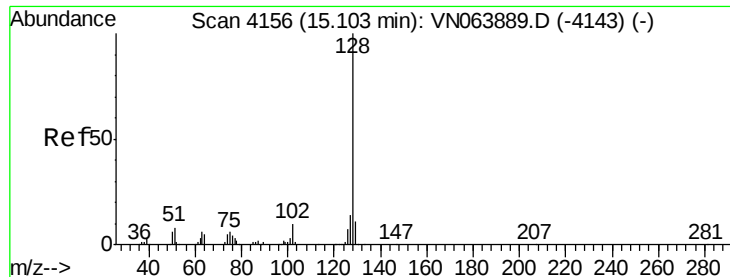
Tgt Ion:180 Resp: 67104
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.8 115.2
 145 32.5 26.0 39.0



#90
 Hexachlorobutadiene
 Concen: 16.110 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Tgt Ion:225 Resp: 37642
 Ion Ratio Lower Upper
 225 100
 223 62.4 0.0 124.8
 227 60.7 0.0 121.4





#91

Naphthalene

Concen: 25.905 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

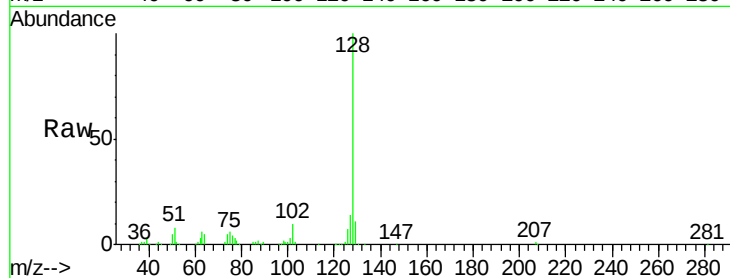
Tgt Ion:128 Resp: 211515

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

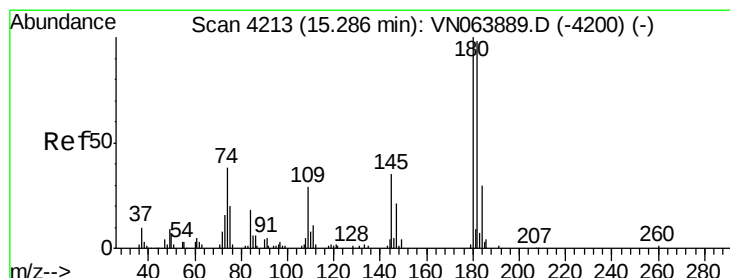
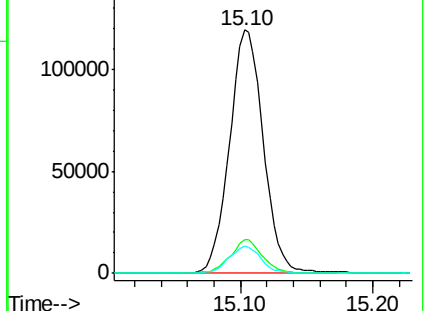
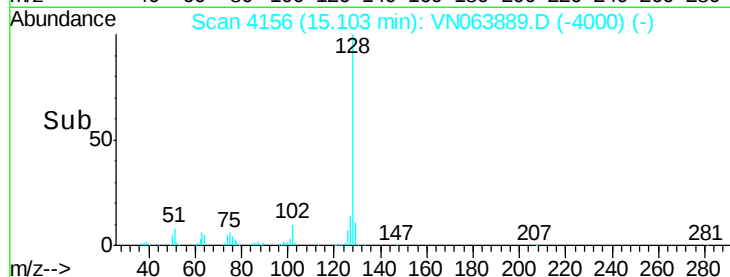
129 10.6 8.5 12.7



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: 19.936 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

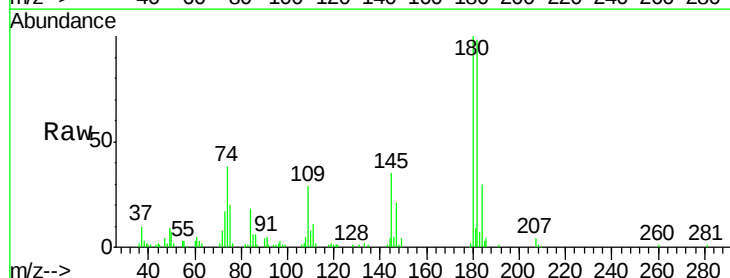
Tgt Ion:180 Resp: 66974

Ion Ratio Lower Upper

180 100

182 98.0 0.0 196.0

145 35.5 0.0 71.0



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

