

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100620\
 Data File : VN063890.D
 Acq On : 6 Oct 2020 11:15
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Oct 06 12:23:55 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	54269	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	283569	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	270287	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	144111	35.64	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	118.80%
60) 4-Bromofluorobenzene	12.38	95	143004	32.98	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	109.93%
63) Toluene-d8	10.06	98	366926	29.66	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.87%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	188531	47.879 ug/l	99
3) Chloromethane	2.04	50	187896	44.058 ug/l	99
4) Vinyl Chloride	2.16	62	187331	43.597 ug/l	99
5) Bromomethane	2.54	94	116646	43.789 ug/l	97
6) Chloroethane	2.68	64	114526	44.642 ug/l	98
7) Trichlorofluoromethane	2.99	101	292638	53.359 ug/l	98
8) Diethyl Ether	3.37	74	98830	54.453 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	149181	50.255 ug/l	98
10) 1,1-Dichloroethene	3.70	96	145315	54.261 ug/l	91
11) Methyl Iodide	3.91	142	193281	53.072 ug/l	96
12) Methyl Acetate	4.28	43	178302	51.023 ug/l	96
13) Acrolein	3.57	56	95179	274.757 ug/l	100
14) Acrylonitrile	4.93	53	371007	247.036 ug/l	96
15) Acetone	3.78	58	107722	246.147 ug/l	89
16) Carbon Disulfide	4.01	76	425112	57.859 ug/l	100
17) Allyl chloride	4.28	41	260653	51.882 ug/l	97
18) Methylene Chloride	4.50	84	172774	47.637 ug/l	98
19) trans-1,2-Dichloroethene	4.99	96	163206	55.458 ug/l	97
20) Diisopropyl ether	5.90	45	533969	48.046 ug/l	98
21) 1,1-Dichloroethane	5.80	63	320300	51.042 ug/l	99
22) cis-1,2-Dichloroethene	6.78	96	186489	51.993 ug/l	94
23) tert-Butyl Alcohol	4.73	59	154403	294.250 ug/l	# 100
24) Methyl tert-Butyl Ether	4.99	73	488541	50.546 ug/l	# 54
25) Chloroform	7.33	83	337561	53.350 ug/l	99
26) Cyclohexane	7.62	56	235307	45.587 ug/l	# 96
29) 1,1-Dichloropropene	7.75	75	246219	55.633 ug/l	99
30) 2-Butanone	6.78	43	612918	295.640 ug/l	100
31) 2,2-Dichloropropane	6.78	77	288754	53.733 ug/l	# 79
32) 1,1,1-Trichloroethane	7.53	97	311407	57.625 ug/l	99
33) Carbon Tetrachloride	7.74	117	272722	58.881 ug/l	97
34) Benzene	8.00	78	699810	50.935 ug/l	94
35) Methacrylonitrile	7.13	41	123573	64.359 ug/l	97
36) 1,2-Dichloroethane	8.09	62	303183	60.960 ug/l	100
37) Trichloroethene	8.80	130	178914	52.664 ug/l	98
38) Methylcyclohexane	9.05	83	209311	40.902 ug/l	99
39) 1,2-Dichloropropane	9.08	63	188293	47.639 ug/l	100
40) Dibromomethane	9.18	93	132656	55.432 ug/l	99

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 ClientSampleId :
 VSTDIC050

Quant Time: Oct 06 12:23:55 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)
41) Bromodichloromethane	9.37	83	271776	52.234	ug/l	94
42) Vinyl Acetate	5.84	43	2593772	319.550	ug/l	99
43) Ethyl Acetate	6.88	43	259301	64.280	ug/l	99
44) Isopropyl Acetate	8.13	43	435269	63.136	ug/l #	100
45) 1,4-Dioxane	9.16	88	57832	984.825	ug/l	92
46) Methyl methacrylate	9.17	41	221923	65.308	ug/l	98
47) n-amyl Acetate	12.05	43	391731	64.593	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	295664	53.363	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	315010	53.239	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	176091	49.629	ug/l	96
51) Ethyl methacrylate	10.40	69	266644	54.284	ug/l	98
52) 1,3-Dichloropropane	10.68	76	300199	50.961	ug/l	99
53) Dibromochloromethane	10.87	129	204682	51.838	ug/l	98
54) 1,2-Dibromoethane	10.98	107	186540	53.639	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	697501	517.700	ug/l	99
56) Bromoform	12.10	173	143614	50.384	ug/l	98
58) 4-Methyl-2-Pentanone	9.95	43	1352306	316.207	ug/l	99
59) 2-Hexanone	10.72	43	1002484	325.220	ug/l	100
61) Tetrachloroethene	10.60	164	167556	53.123	ug/l	98
62) Toluene	10.13	91	770469	51.600	ug/l	98
64) Chlorobenzene	11.41	112	463616	50.499	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	181976	50.047	ug/l	98
66) Ethyl Benzene	11.48	91	861220	52.624	ug/l	98
67) m/p-Xylenes	11.60	106	636214	103.936	ug/l	98
68) o-Xylene	11.92	106	307266	52.499	ug/l	97
69) Styrene	11.94	104	528878	51.984	ug/l	98
70) Isopropylbenzene	12.22	105	819972	51.723	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	255964	50.896	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	365197	78.735	ug/l	67
73) Bromobenzene	12.50	156	204158	48.599	ug/l	95
74) n-propylbenzene	12.57	91	956675	50.531	ug/l	99
75) 2-Chlorotoluene	12.65	91	584928	51.643	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	698746	51.854	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	95732	58.468	ug/l	98
78) 4-Chlorotoluene	12.75	91	618730	52.644	ug/l	100
79) tert-butylbenzene	12.97	119	549520	48.800	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	707249	53.391	ug/l	100
81) sec-Butylbenzene	13.15	105	727882	47.281	ug/l	99
82) p-Isopropyltoluene	13.26	119	665776	48.700	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	355283	48.159	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	360811	49.817	ug/l	98
85) n-Butylbenzene	13.59	91	582582	50.242	ug/l	98
86) Hexachloroethane	13.85	117	110750	42.334	ug/l	94
87) 1,2-Dichlorobenzene	13.63	146	354457	49.857	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.24	75	62459	70.267	ug/l	99
89) 1,2,4-Trichlorobenzene	14.88	180	186891	52.079	ug/l	98
90) Hexachlorobutadiene	14.98	225	96955	39.113	ug/l	98
91) Naphthalene	15.10	128	612712	70.735	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	184221	51.691	ug/l	99

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ClientSampleId :
VSTDICC050

Quant Time: Oct 06 12:23:55 2020
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 06 12:20:09 2020
Response via : Initial Calibration

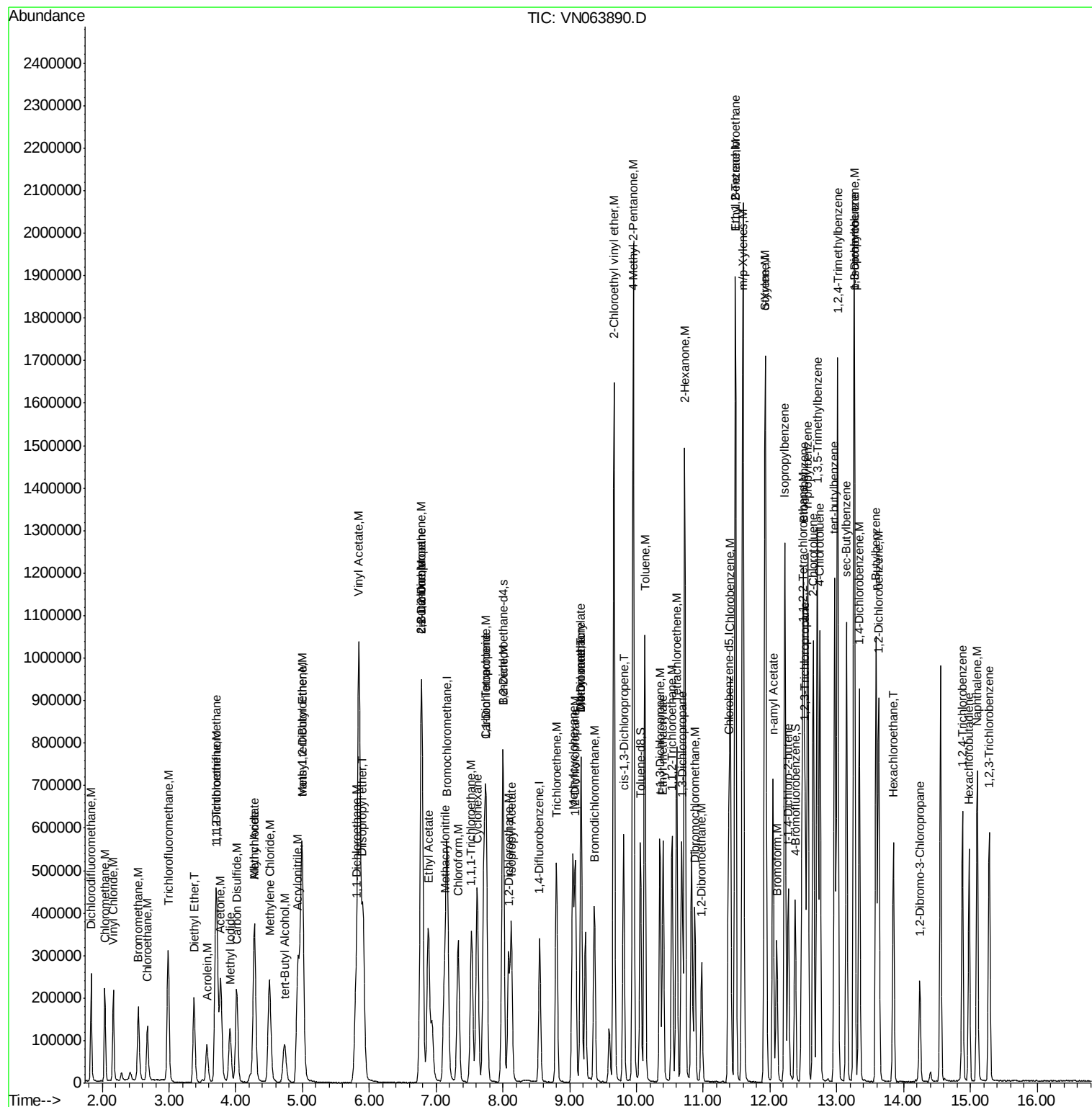
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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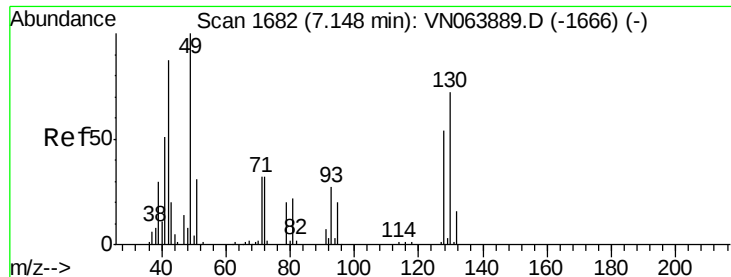
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN100620\
Data File : VN063890.D
Acq On : 6 Oct 2020 11:15
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Quant Time: Oct 06 12:23:55 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N100620W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

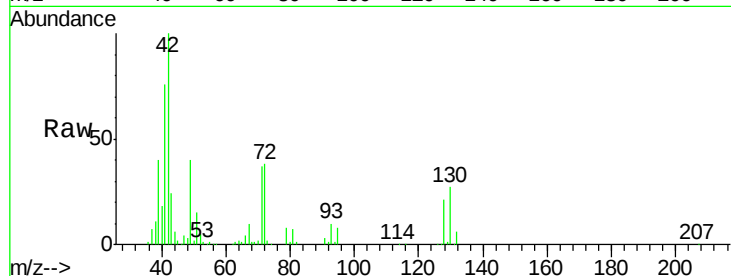
Tgt Ion:128 Resp: 54269

Ion Ratio Lower Upper

128 100

49 187.5 0.0 461.8

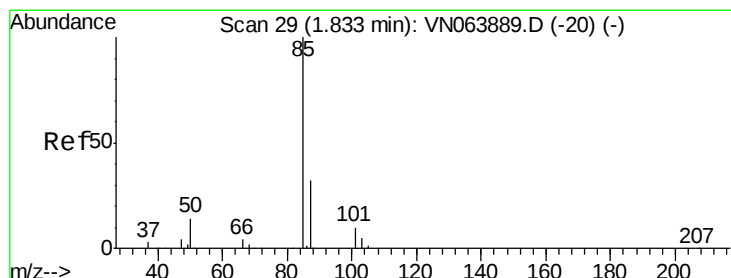
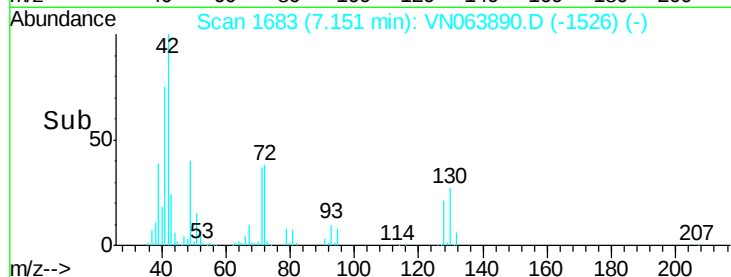
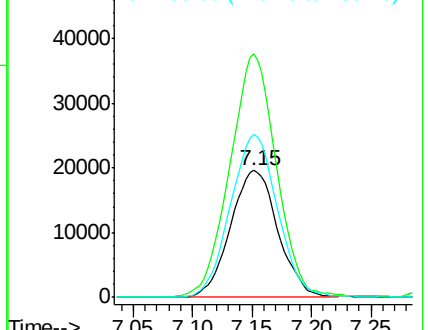
130 127.1 0.0 331.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 47.879 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063890.D

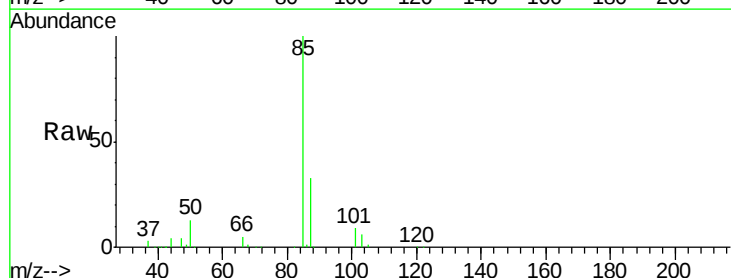
Acq: 6 Oct 2020 11:15

Tgt Ion: 85 Resp: 188531

Ion Ratio Lower Upper

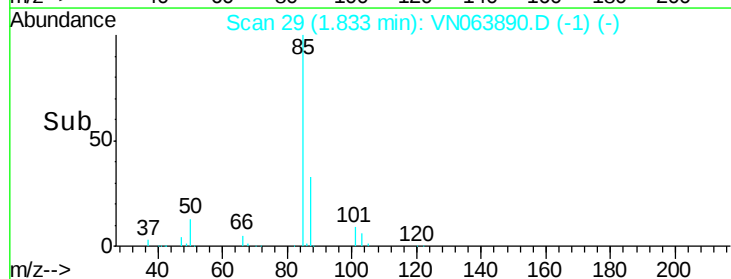
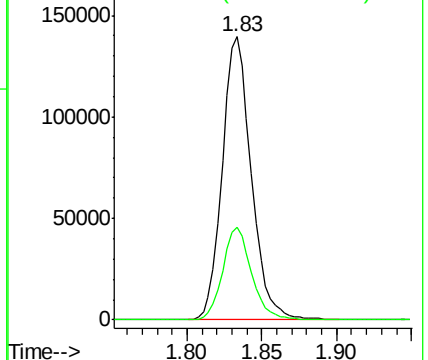
85 100

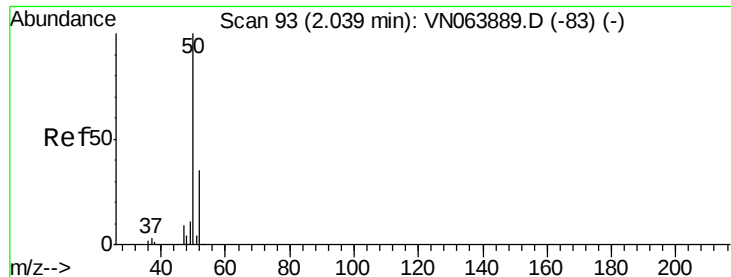
87 32.6 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 44.058 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

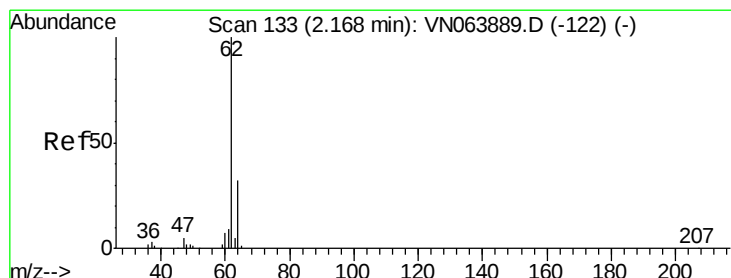
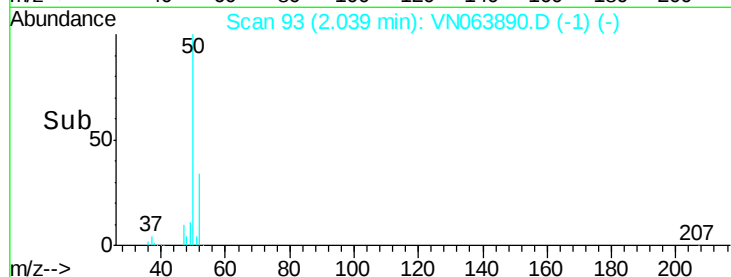
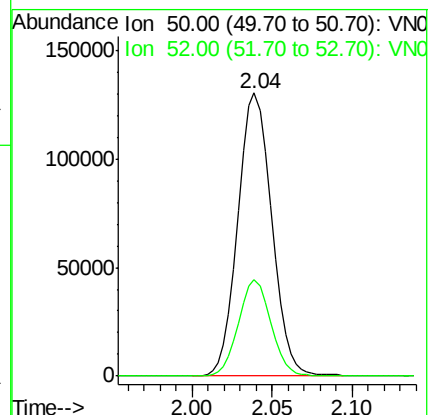
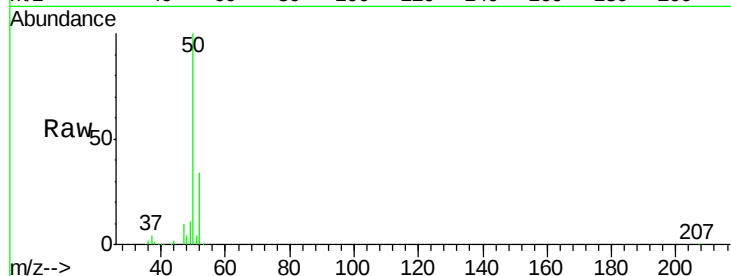
VSTDIC050

Tgt Ion: 50 Resp: 187896

Ion Ratio Lower Upper

50 100

52 34.1 27.9 41.9



#4

Vinyl Chloride

Concen: 43.597 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063890.D

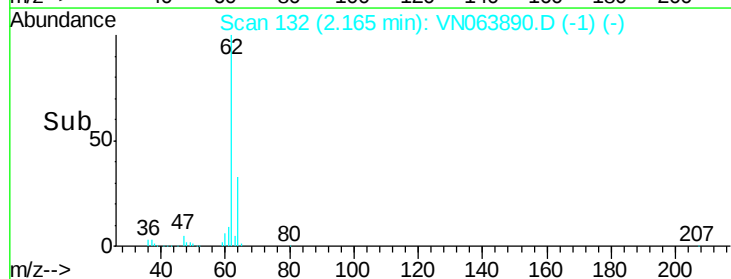
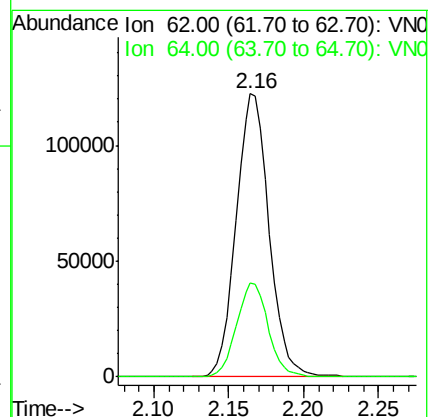
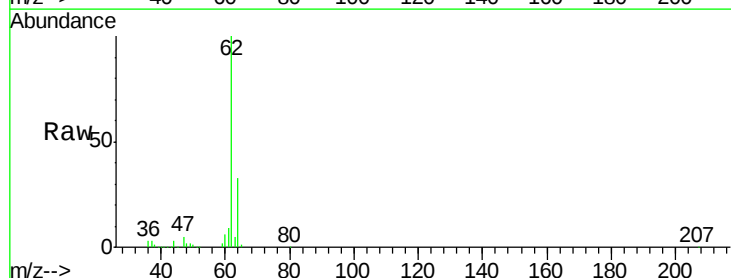
Acq: 6 Oct 2020 11:15

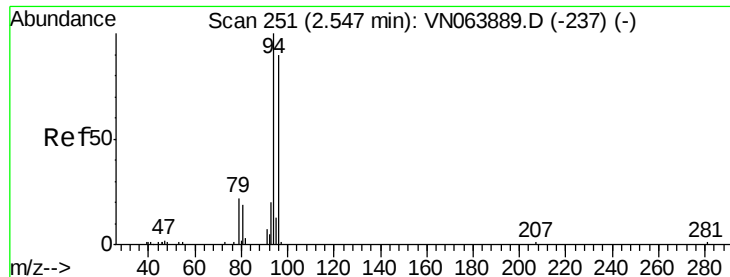
Tgt Ion: 62 Resp: 187331

Ion Ratio Lower Upper

62 100

64 33.1 26.0 39.0





#5

Bromomethane

Concen: 43.789 ug/l

RT: 2.54 min Scan# 249

Delta R.T. -0.01 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

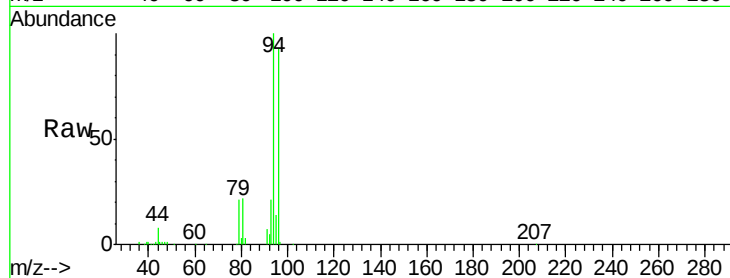
VSTDIC050

Tgt Ion: 94 Resp: 116646

Ion Ratio Lower Upper

94 100

96 92.8 71.9 107.9



Abundance Ion 94.00 (93.70 to 94.70): VN063889.D (-237) (-)

Ion 96.00 (95.70 to 96.70): VN063889.D (-237) (-)

60000

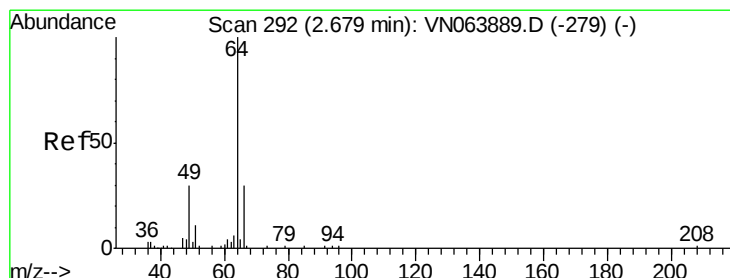
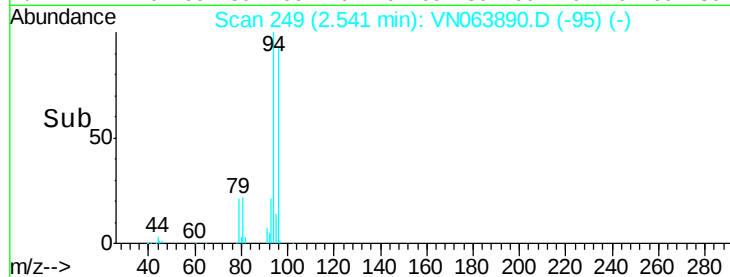
40000

20000

0

2.54

Time-->



#6

Chloroethane

Concen: 44.642 ug/l

RT: 2.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN063890.D

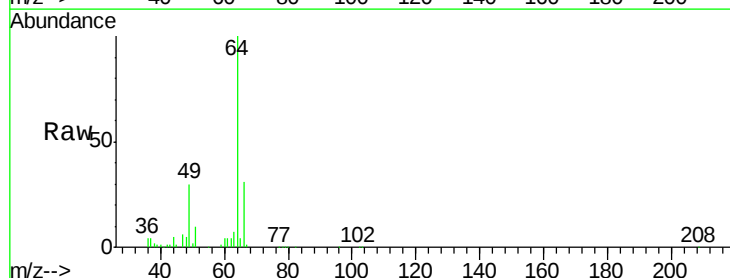
Acq: 6 Oct 2020 11:15

Tgt Ion: 64 Resp: 114526

Ion Ratio Lower Upper

64 100

66 31.1 24.2 36.2



Abundance Ion 64.00 (63.70 to 64.70): VN063889.D (-279) (-)

Ion 66.00 (65.70 to 66.70): VN063889.D (-279) (-)

60000

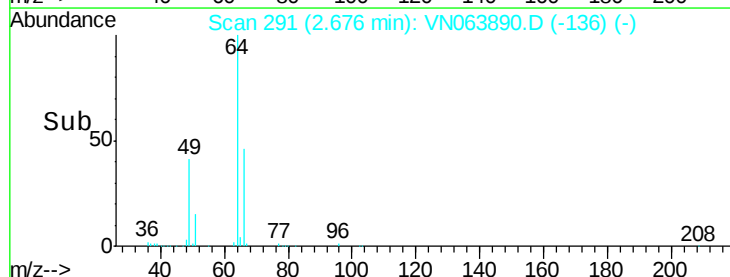
40000

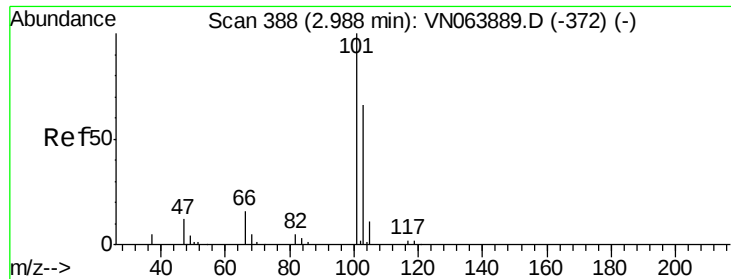
20000

0

2.68

Time-->



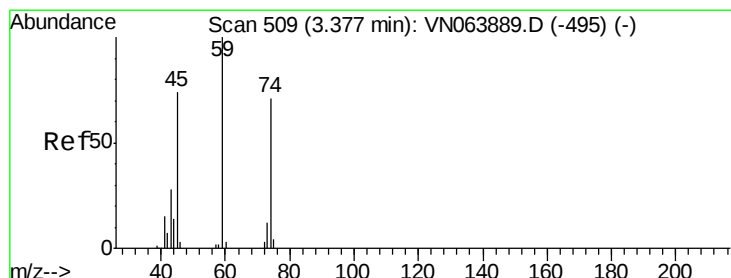
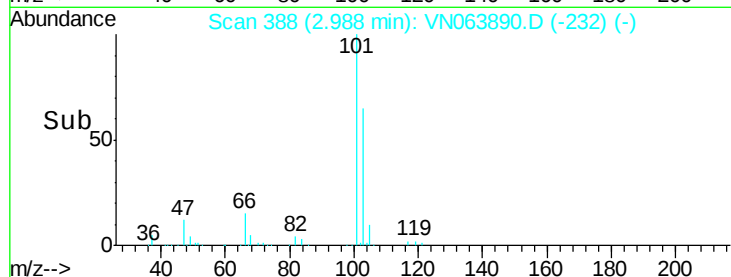
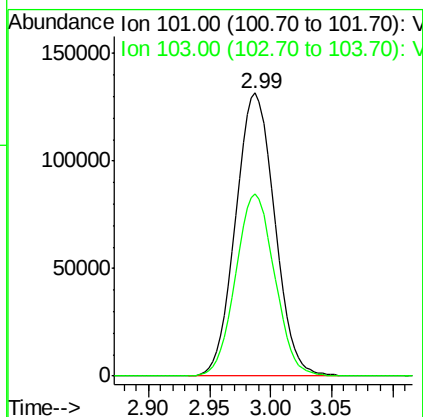
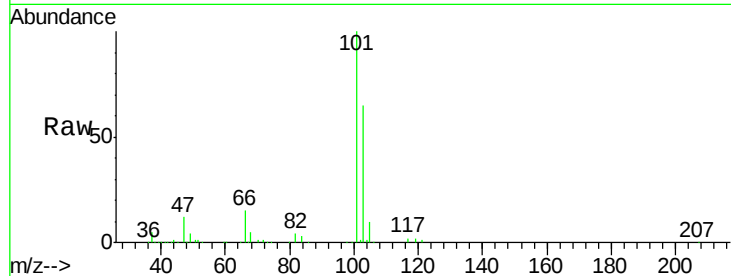


#7

Trichlorofluoromethane
 Concen: 53.359 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

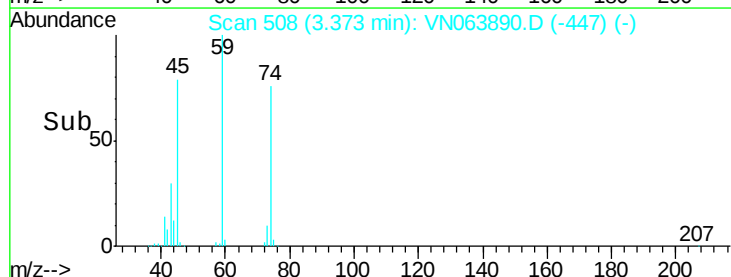
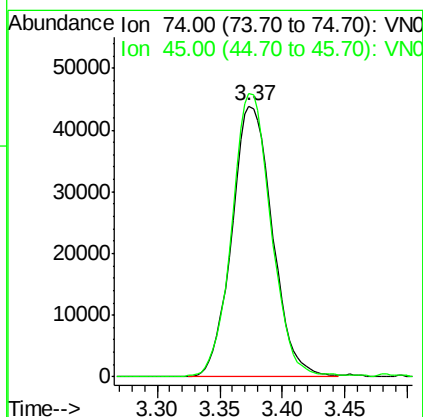
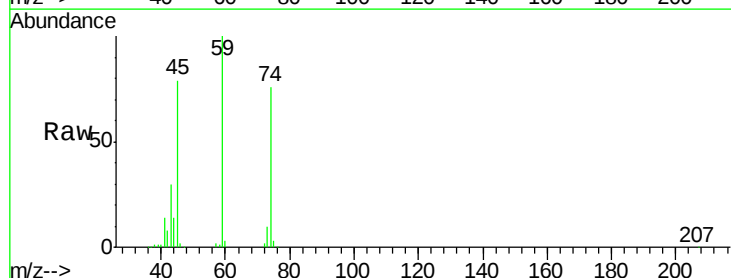
Tgt Ion:101 Resp: 292638
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.6 78.8

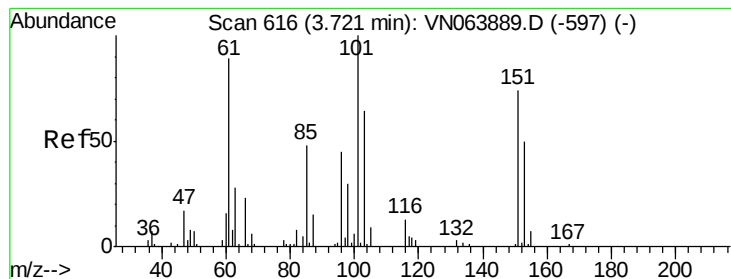


#8

Diethyl Ether
 Concen: 54.453 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Tgt Ion: 74 Resp: 98830
 Ion Ratio Lower Upper
 74 100
 45 100.9 21.4 192.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.255 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

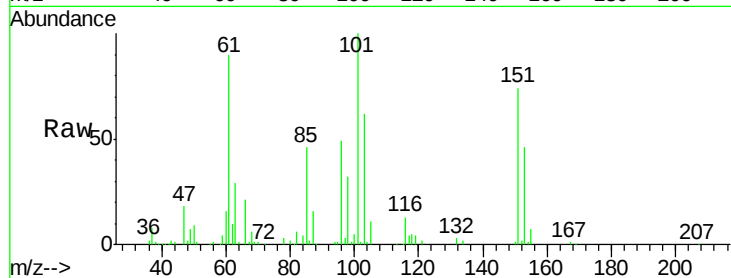
Tgt Ion:101 Resp: 149181

Ion Ratio Lower Upper

101 100

85 48.7 0.0 94.6

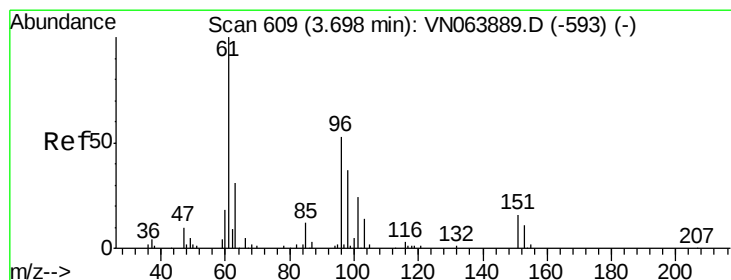
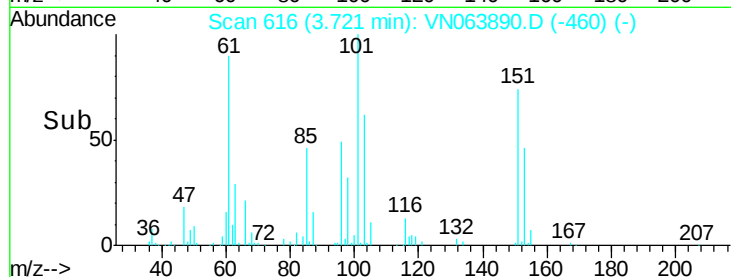
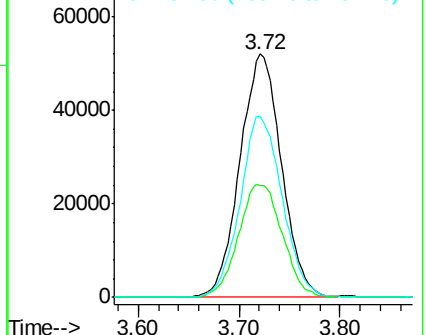
151 75.2 0.0 147.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 54.261 ug/l

RT: 3.70 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

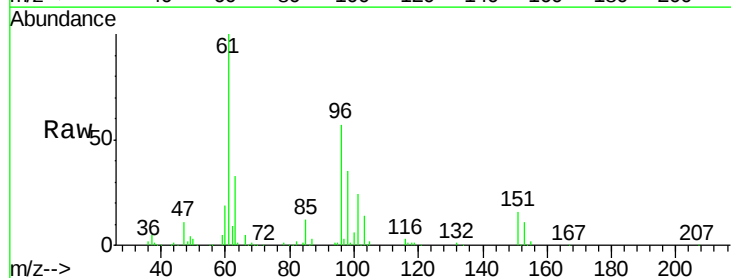
Tgt Ion: 96 Resp: 145315

Ion Ratio Lower Upper

96 100

61 176.0 150.4 225.6

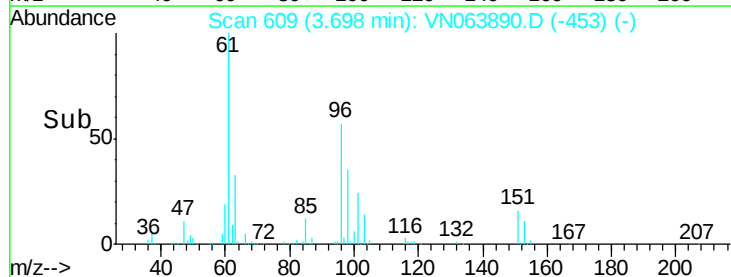
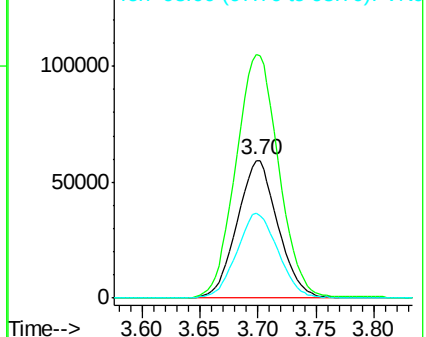
98 61.5 55.8 83.8

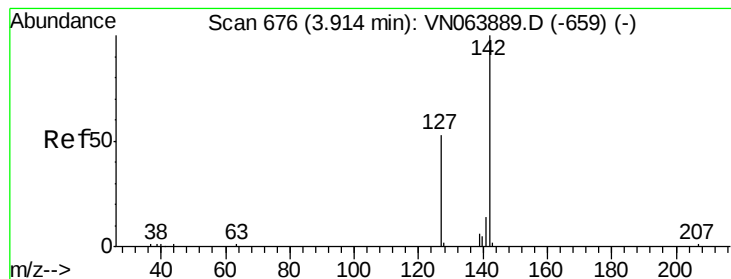


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#11

Methyl Iodide

Concen: 53.072 ug/l

RT: 3.91 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

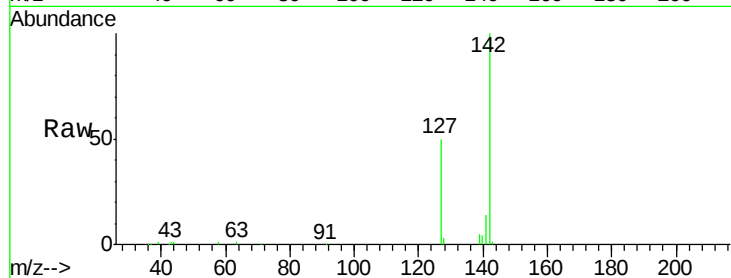
Tgt Ion: 142 Resp: 193281

Ion Ratio Lower Upper

142 100

127 49.5 26.5 79.4

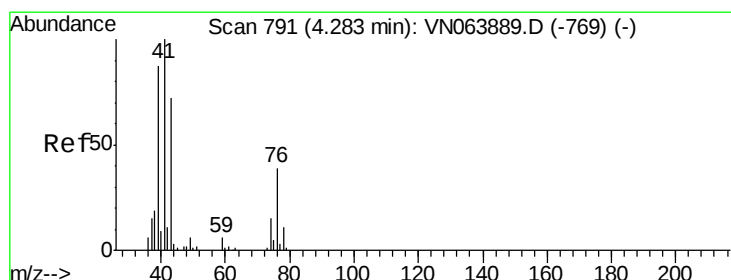
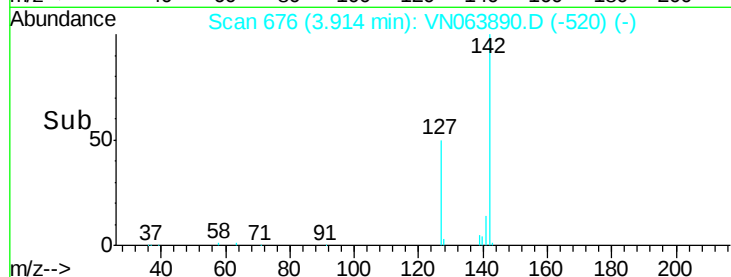
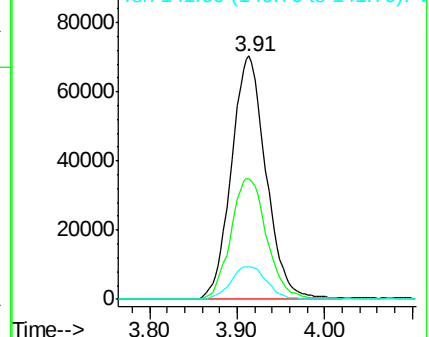
141 13.4 7.1 21.4



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 51.023 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.01 min

Lab File: VN063890.D

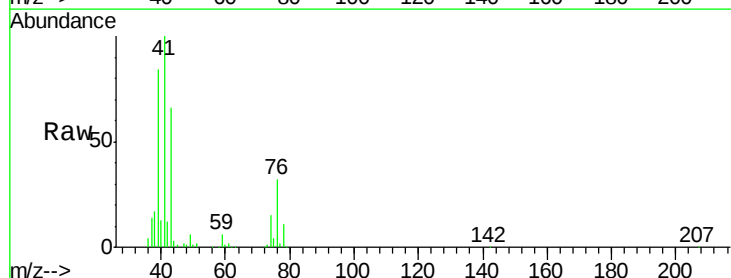
Acq: 6 Oct 2020 11:15

Tgt Ion: 43 Resp: 178302

Ion Ratio Lower Upper

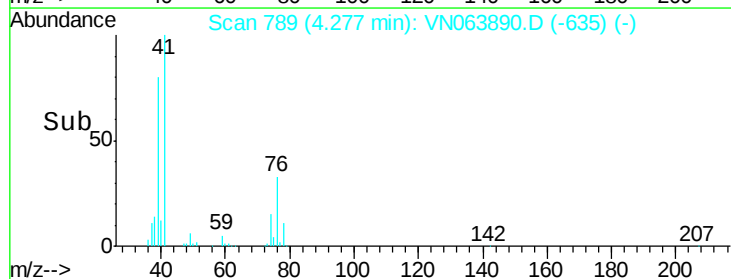
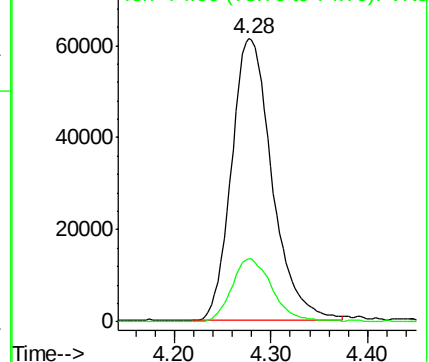
43 100

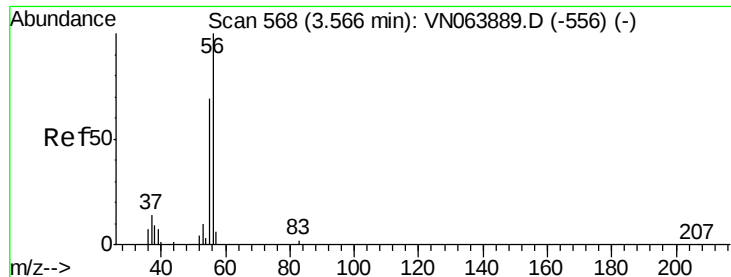
74 22.6 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 274.757 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

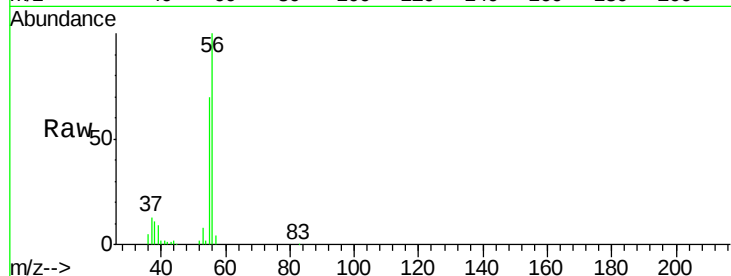
VSTDIC050

Tgt Ion: 56 Resp: 95179

Ion Ratio Lower Upper

56 100

55 73.4 58.6 87.8



Abundance Ion 56.00 (55.70 to 56.70): VN063889.D (-556) (-)

Ion 55.00 (54.70 to 55.70): VN063889.D (-556) (-)

3.57

40000

30000

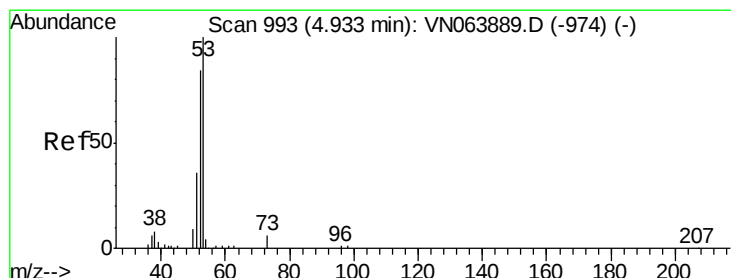
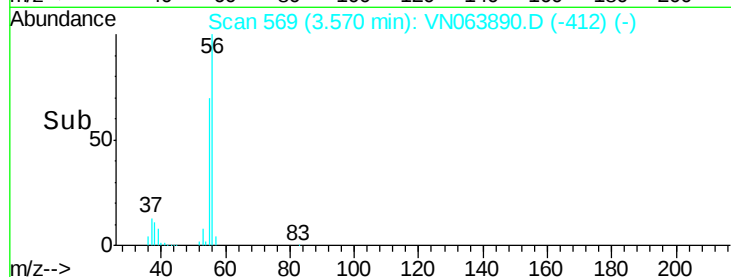
20000

10000

0

3.50 3.55 3.60 3.65

Time-->



#14

Acrylonitrile

Concen: 247.036 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

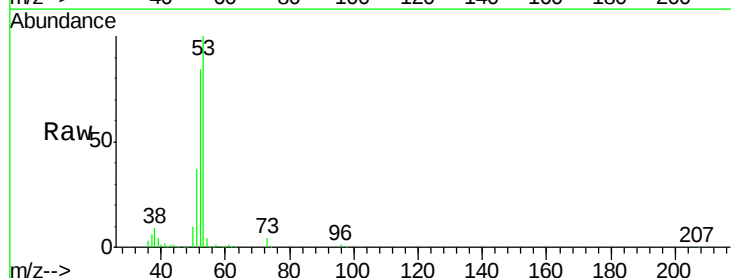
Tgt Ion: 53 Resp: 371007

Ion Ratio Lower Upper

53 100

52 82.1 43.2 129.6

51 38.1 19.4 58.4



Abundance Ion 53.00 (52.70 to 53.70): VN063889.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VN063889.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VN063889.D (-974) (-)

4.93

150000

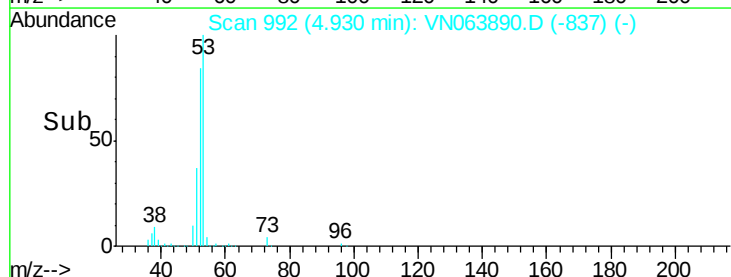
100000

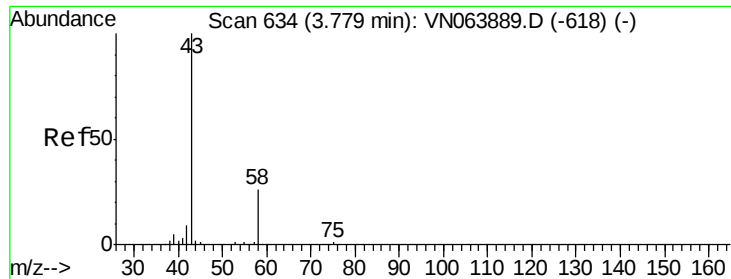
50000

0

4.80 4.90 5.00 5.10

Time-->





#15

Acetone

Concen: 246.147 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

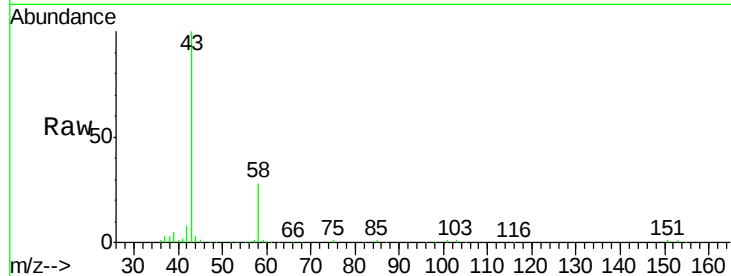
VSTDIC050

Tgt Ion: 58 Resp: 107722

Ion Ratio Lower Upper

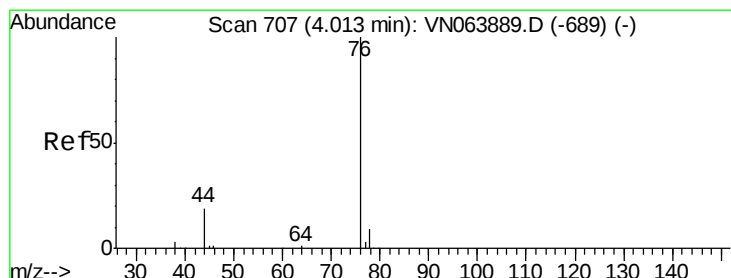
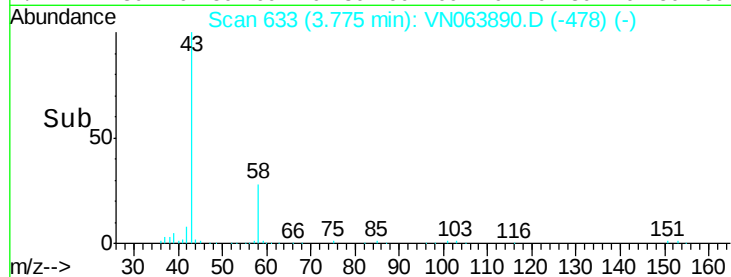
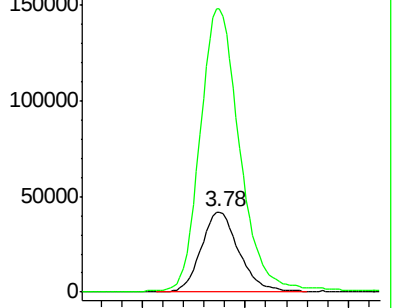
58 100

43 352.0 302.4 453.6



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: 57.859 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063890.D

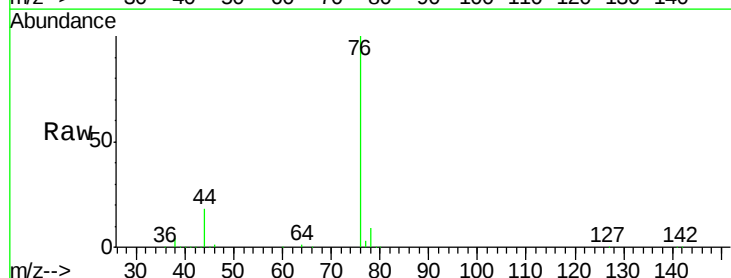
Acq: 6 Oct 2020 11:15

Tgt Ion: 76 Resp: 425112

Ion Ratio Lower Upper

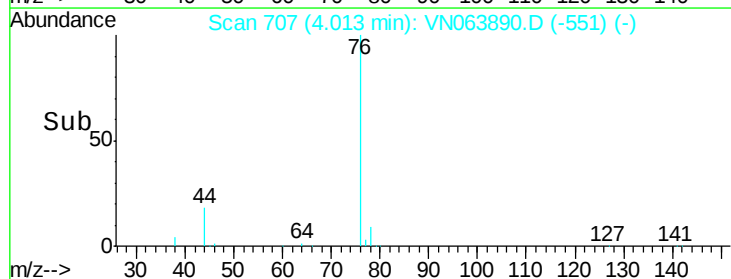
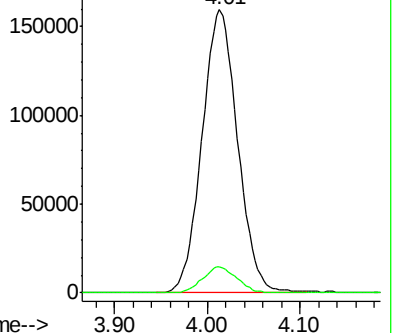
76 100

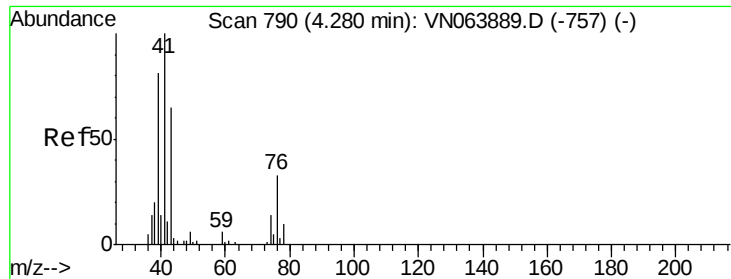
78 9.3 7.4 11.0



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

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

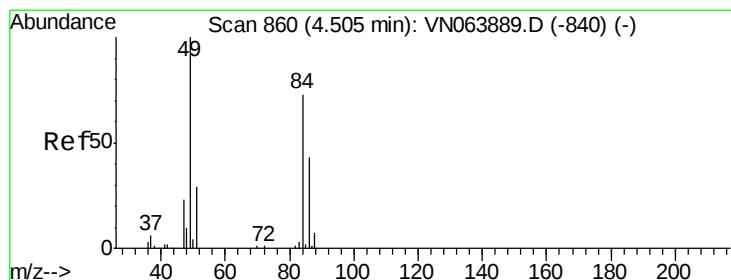
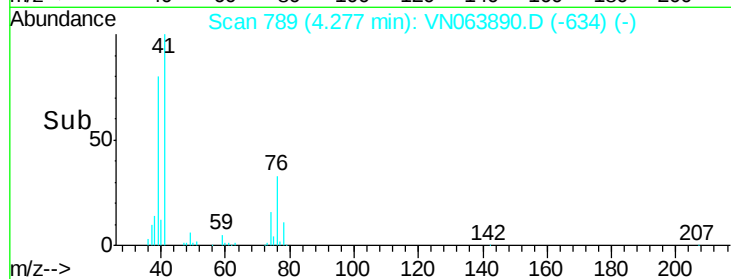
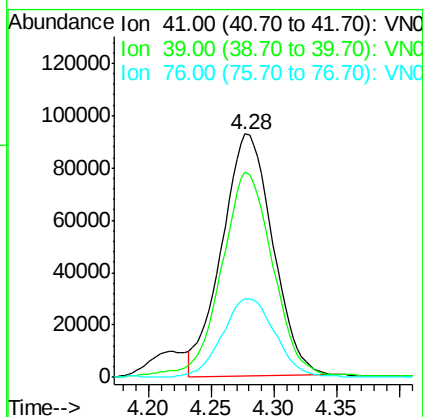
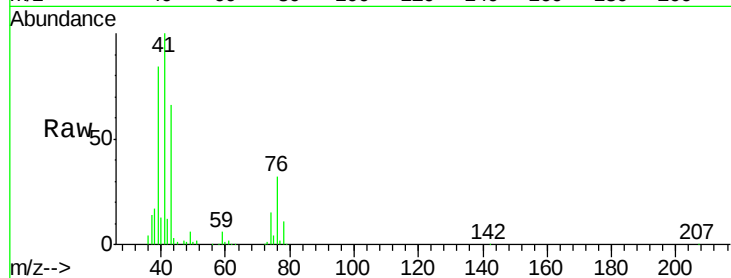




#17
 Allyl chloride
 Concen: 51.882 ug/l
 RT: 4.28 min Scan# 789
 Delta R.T. -0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

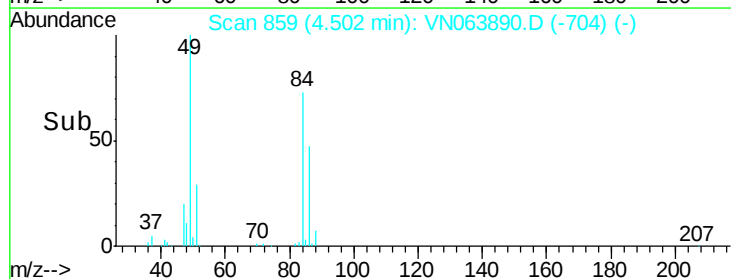
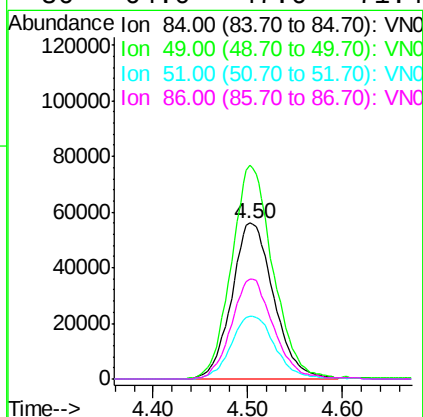
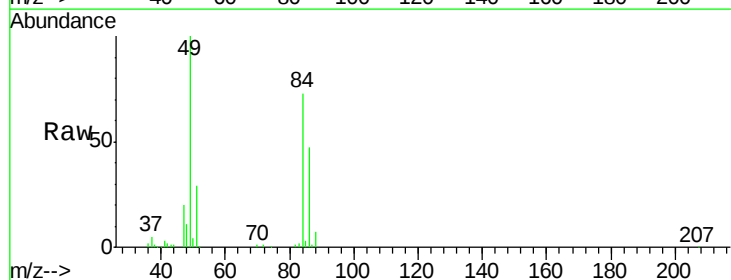
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

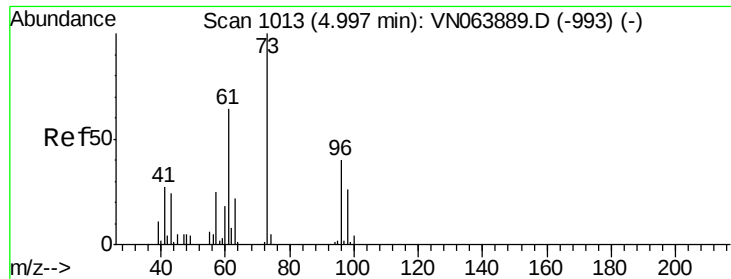
Tgt Ion: 41 Resp: 260653
 Ion Ratio Lower Upper
 41 100
 39 84.0 40.7 122.1
 76 32.1 17.0 50.9



#18
 Methylene Chloride
 Concen: 47.637 ug/l
 RT: 4.50 min Scan# 859
 Delta R.T. -0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Tgt Ion: 84 Resp: 172774
 Ion Ratio Lower Upper
 84 100
 49 136.6 109.7 164.5
 51 40.3 31.4 47.2
 86 64.0 47.6 71.4

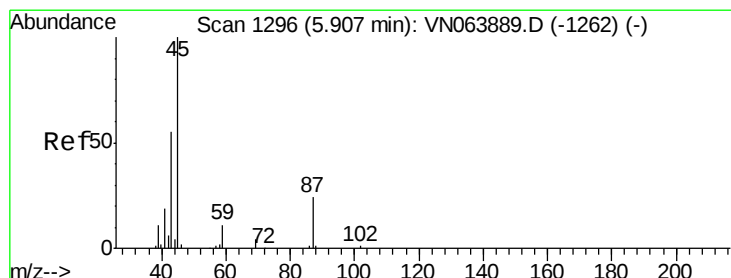
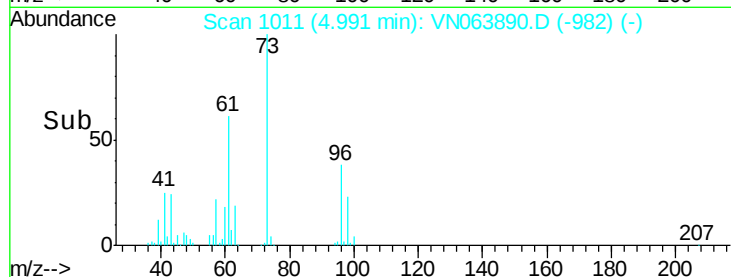
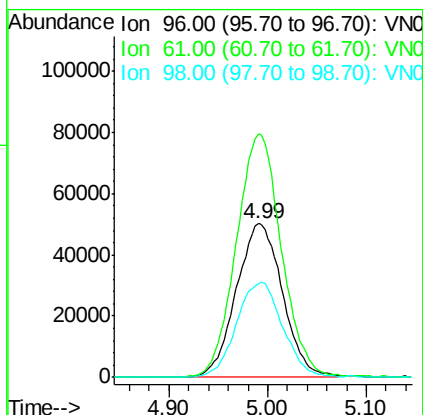
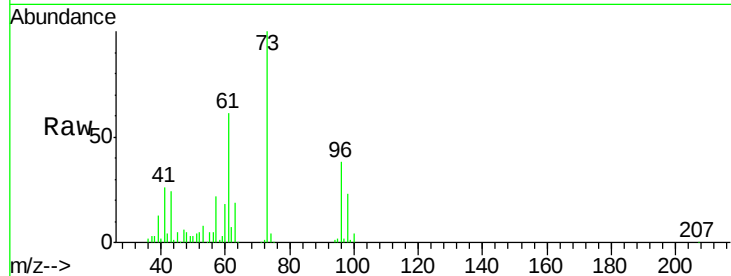




#19
trans-1,2-Dichloroethene
Concen: 55.458 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

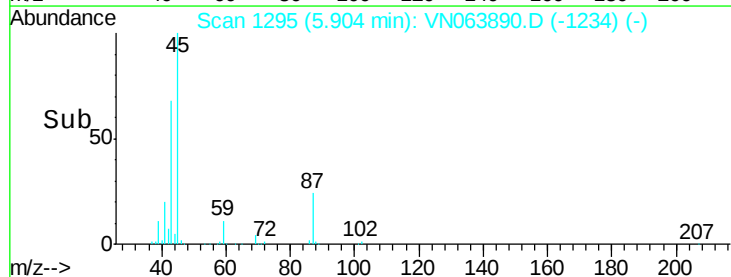
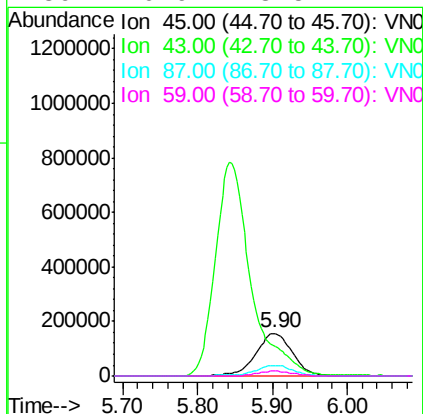
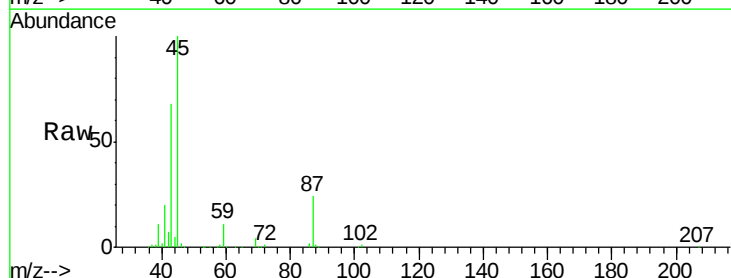
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

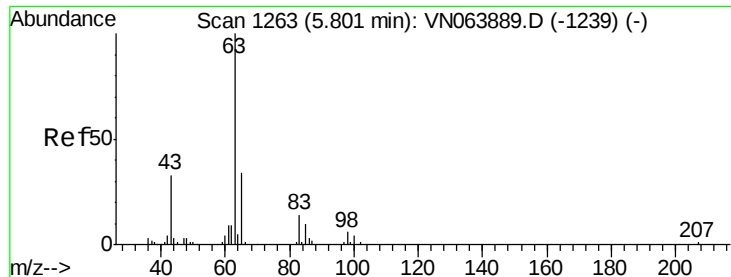
Tgt Ion: 96 Resp: 163206
Ion Ratio Lower Upper
96 100
61 157.5 127.9 191.9
98 61.0 52.5 78.7



#20
Diisopropyl ether
Concen: 48.046 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion: 45 Resp: 533969
Ion Ratio Lower Upper
45 100
43 65.7 51.3 76.9
87 24.1 19.5 29.3
59 10.9 8.5 12.7





#21

1,1-Dichloroethane

Concen: 51.042 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

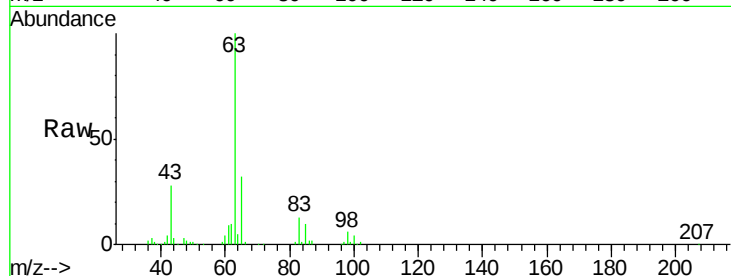
Tgt Ion: 63 Resp: 320300

Ion Ratio Lower Upper

63 100

98 5.9 3.3 9.8

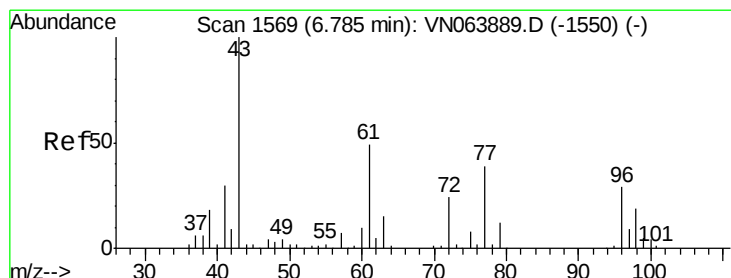
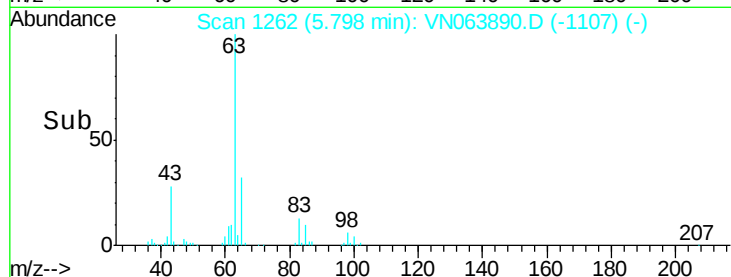
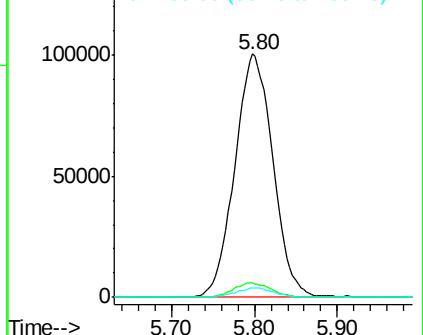
100 3.9 2.0 5.8



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) (-)



#22

cis-1,2-Dichloroethene

Concen: 51.993 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

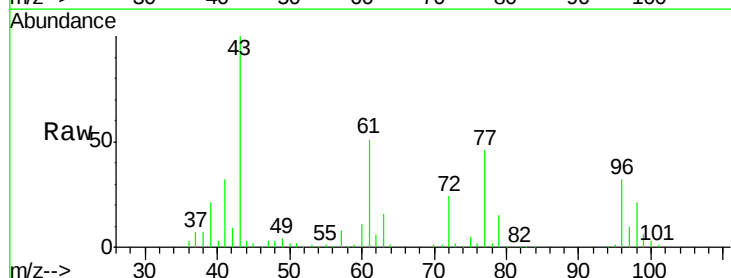
Tgt Ion: 96 Resp: 186489

Ion Ratio Lower Upper

96 100

61 164.1 139.6 209.4

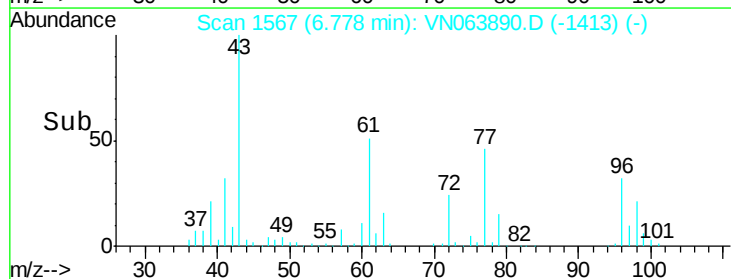
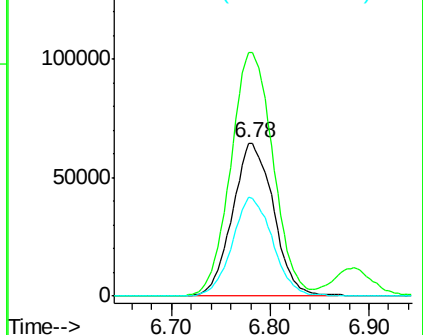
98 63.7 53.4 80.0

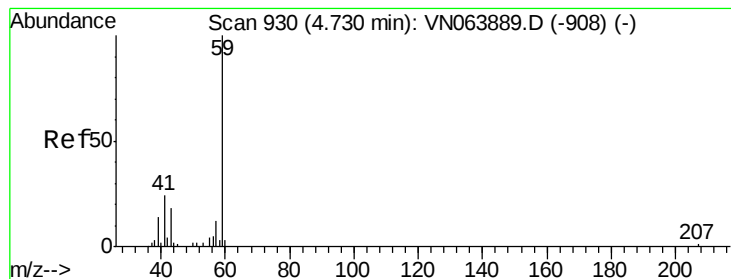


Abundance Ion 96.00 (95.70 to 96.70): VN063889.D (-1550) (-)

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

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





#23

tert-Butyl Alcohol

Concen: 294.250 ug/l

RT: 4.73 min Scan# 930

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

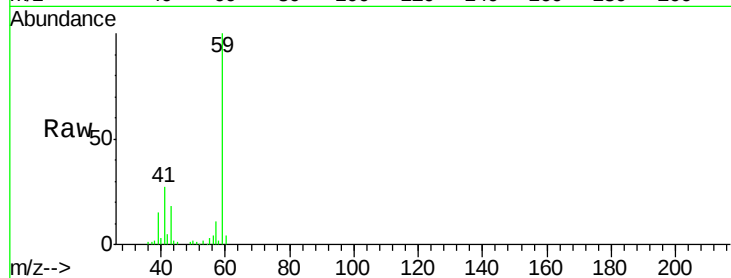
VSTDIC050

Tgt Ion: 59 Resp: 154403

Ion Ratio Lower Upper

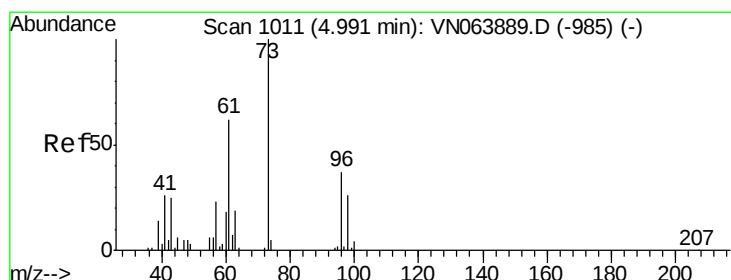
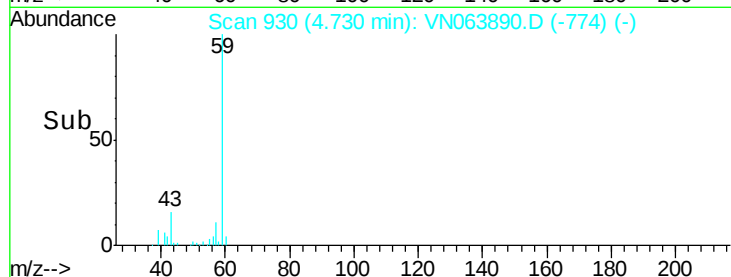
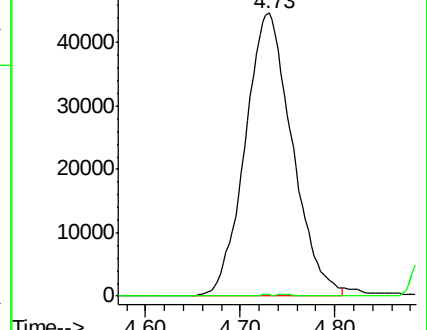
59 100

52 0.2 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) (-)



#24

Methyl tert-Butyl Ether

Concen: 50.546 ug/l

RT: 4.99 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VN063890.D

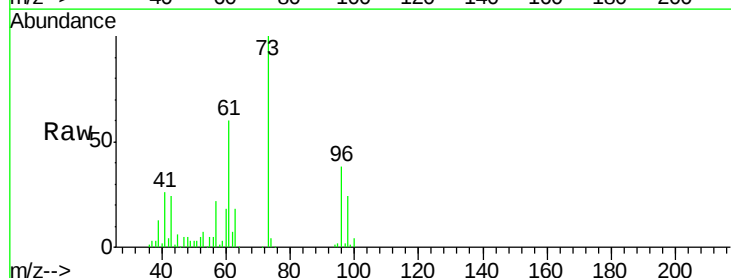
Acq: 6 Oct 2020 11:15

Tgt Ion: 73 Resp: 488541

Ion Ratio Lower Upper

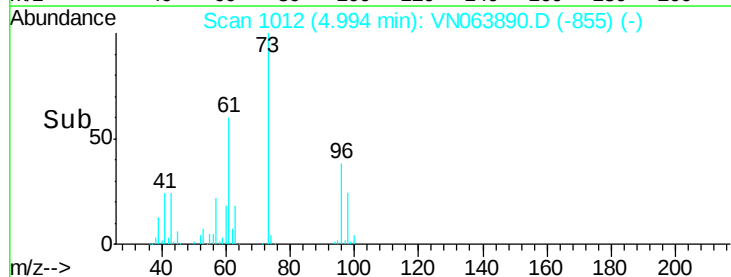
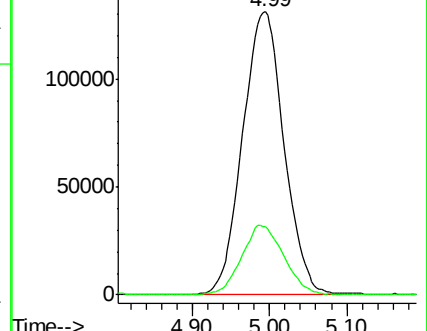
73 100

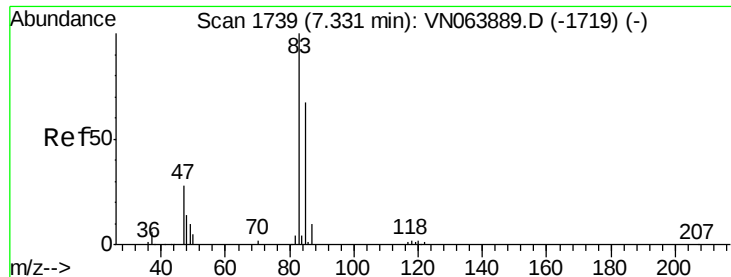
43 24.3 6.4 9.6#



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

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

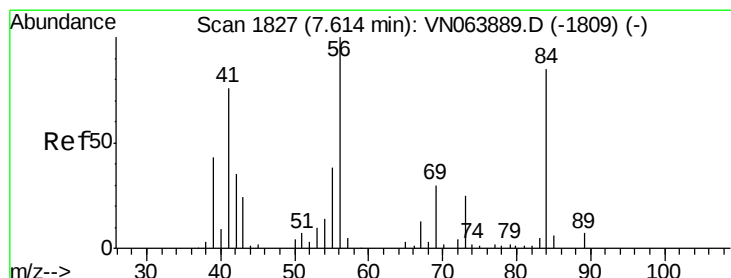
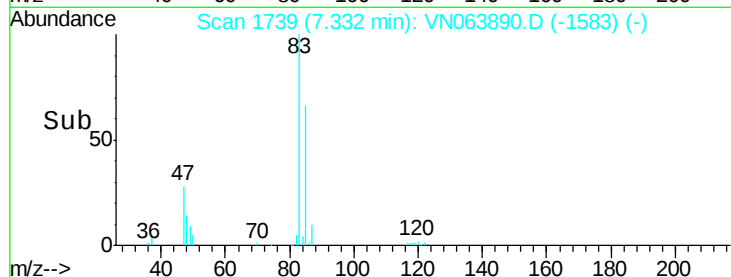
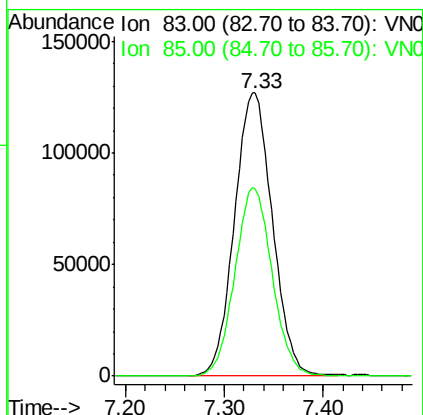
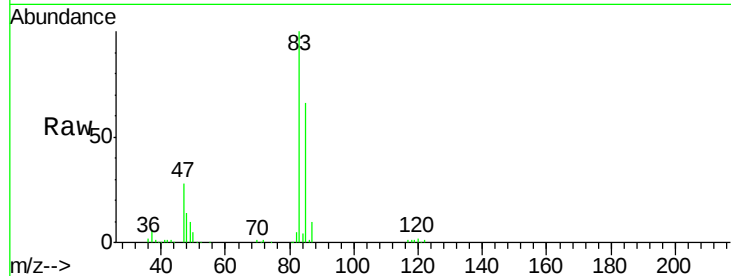




#25
Chloroform
Concen: 53.350 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

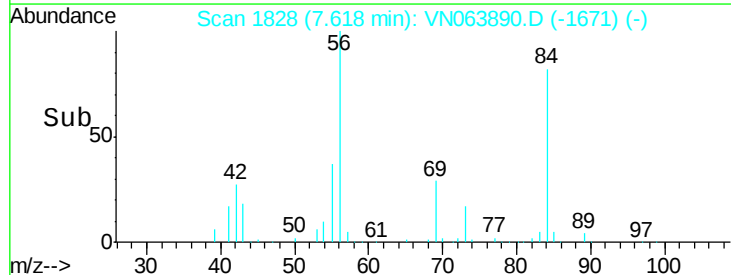
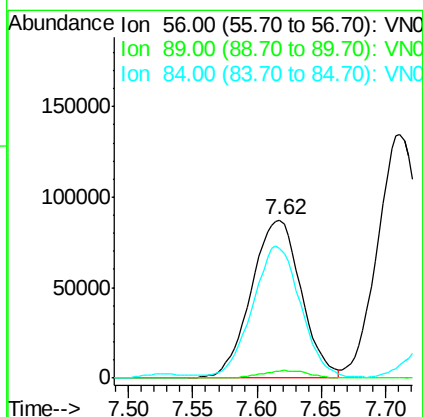
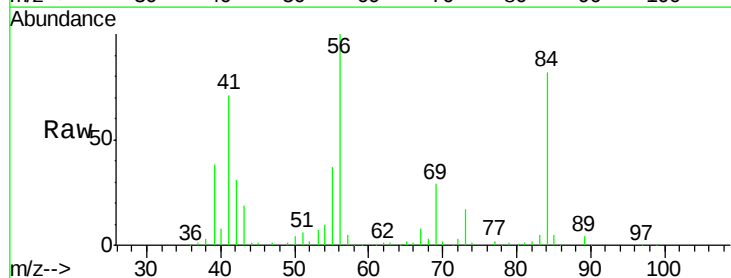
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

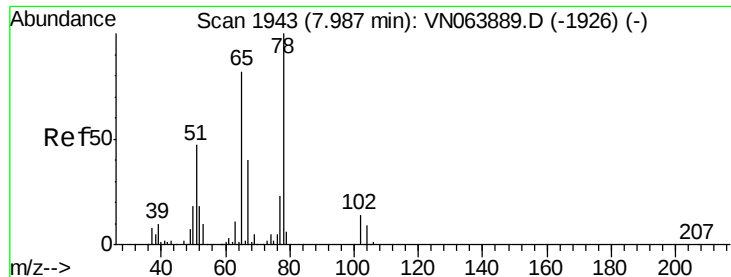
Tgt Ion: 83 Resp: 337561
Ion Ratio Lower Upper
83 100
85 66.0 53.2 79.8



#26
Cyclohexane
Concen: 45.587 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion: 56 Resp: 235307
Ion Ratio Lower Upper
56 100
89 4.5 5.4 8.2#
84 81.6 68.2 102.2

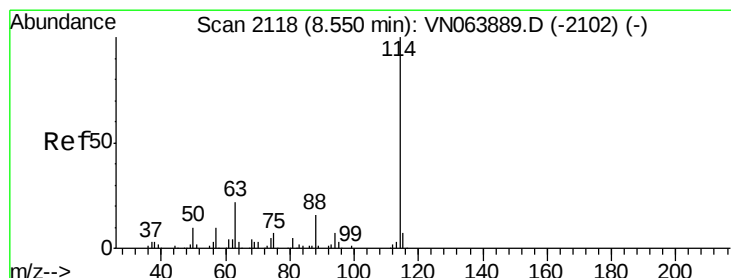
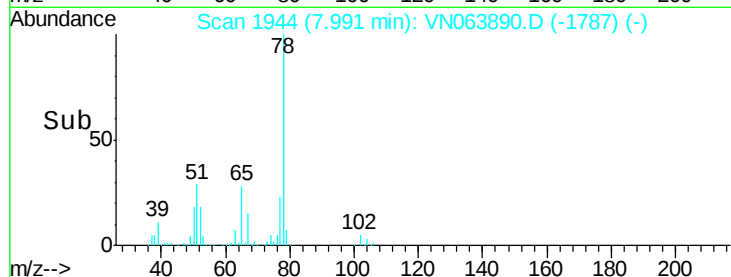
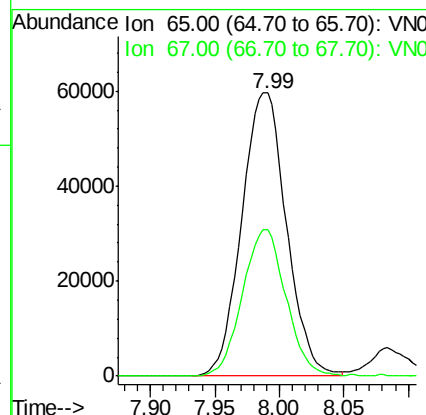
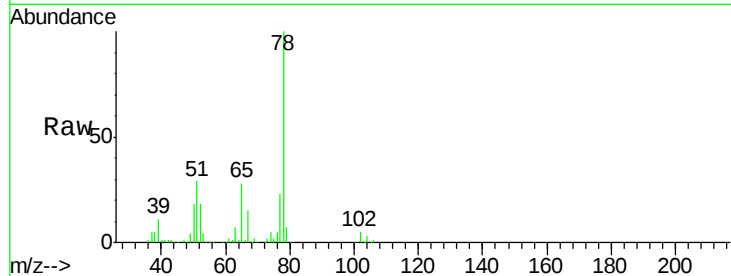




#27
 1,2-Dichloroethane-d4
 Concen: 35.638 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

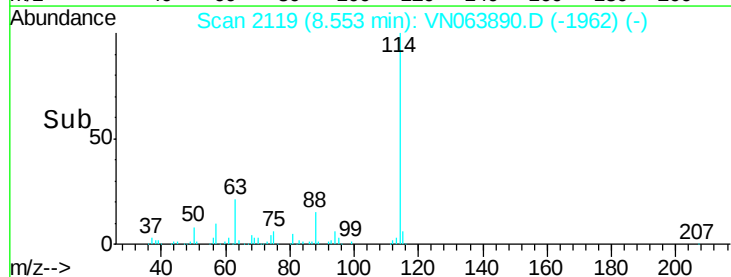
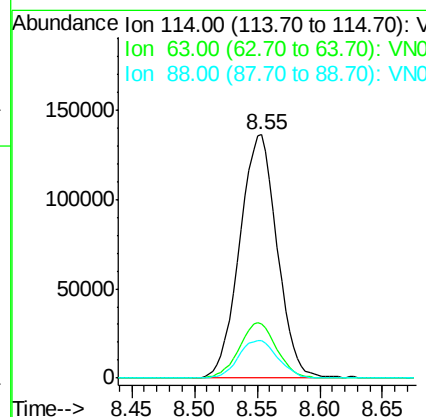
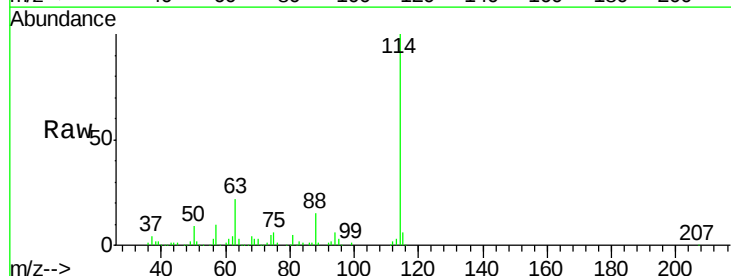
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

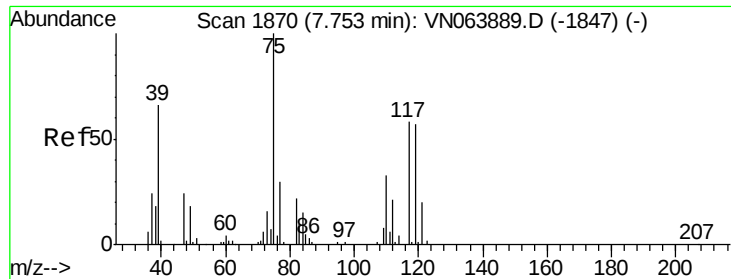
Tgt Ion: 65 Resp: 144111
 Ion Ratio Lower Upper
 65 100
 67 49.5 40.0 60.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Tgt Ion: 114 Resp: 283569
 Ion Ratio Lower Upper
 114 100
 63 22.8 18.6 28.0
 88 16.2 12.9 19.3

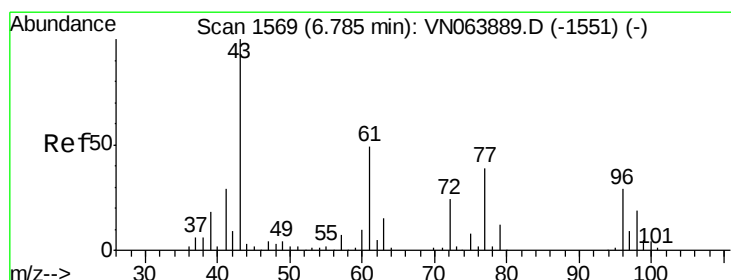
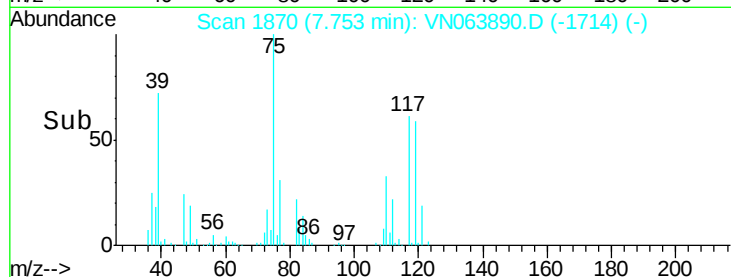
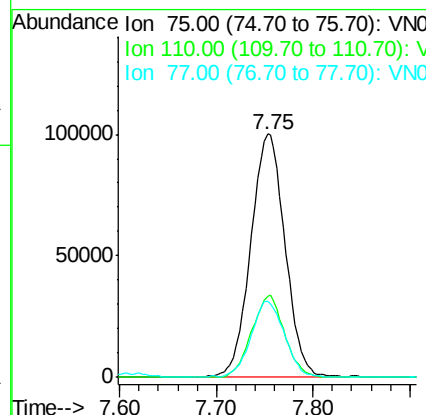
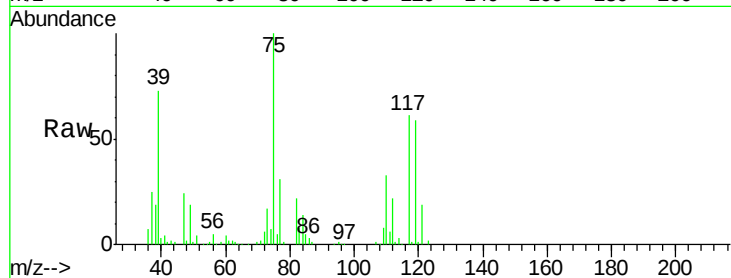




#29
 1,1-Dichloropropene
 Concen: 55.633 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

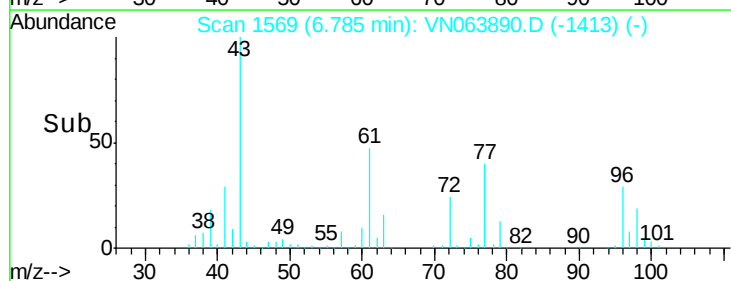
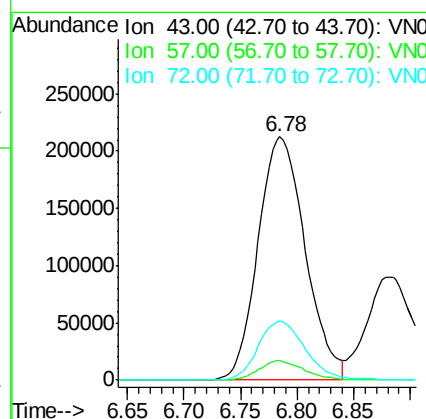
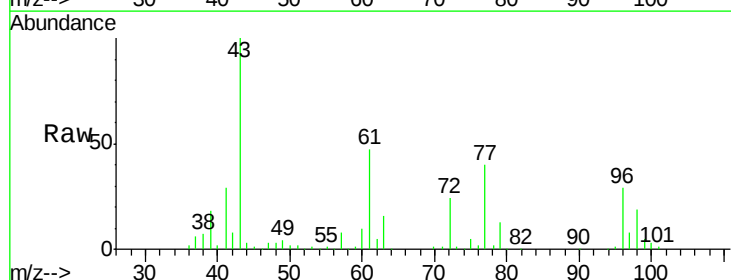
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

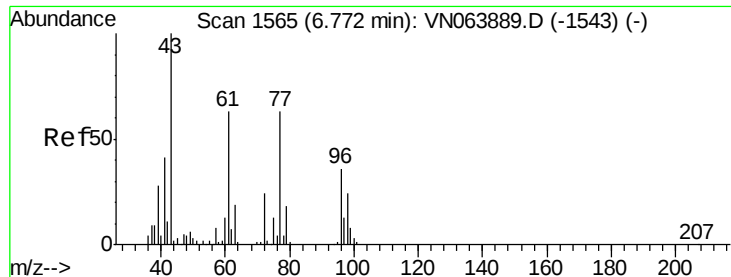
Tgt Ion: 75 Resp: 246219
 Ion Ratio Lower Upper
 75 100
 110 32.3 0.0 66.6
 77 30.8 0.0 61.4



#30
 2-Butanone
 Concen: 295.640 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Tgt Ion: 43 Resp: 612918
 Ion Ratio Lower Upper
 43 100
 57 7.7 6.2 9.2
 72 24.1 19.4 29.2

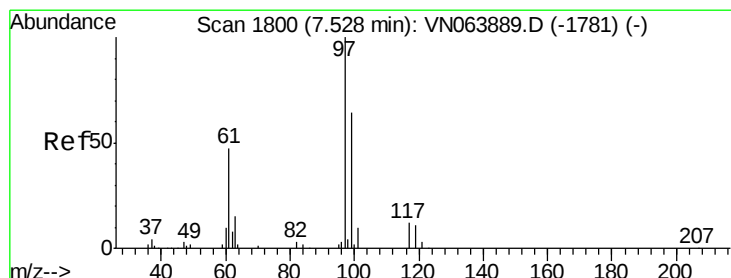
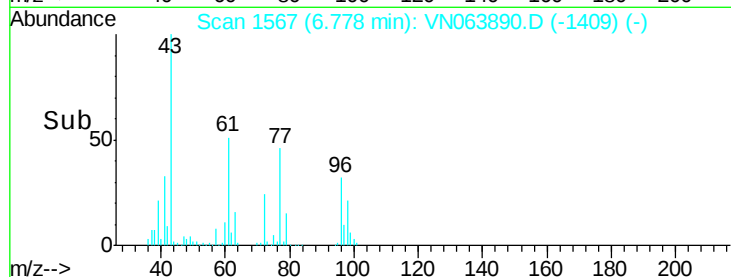
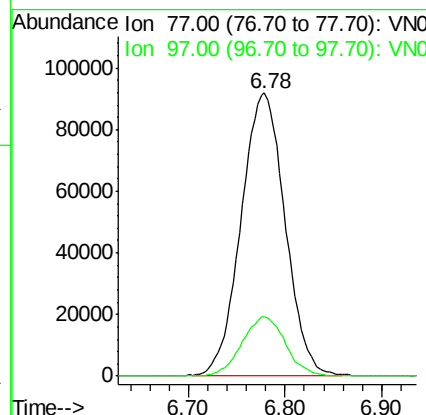
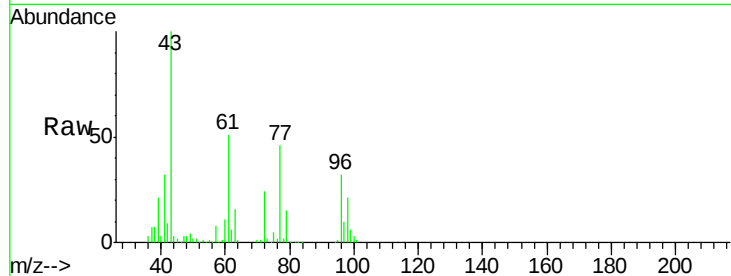




#31
 2,2-Dichloropropane
 Concen: 53.733 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

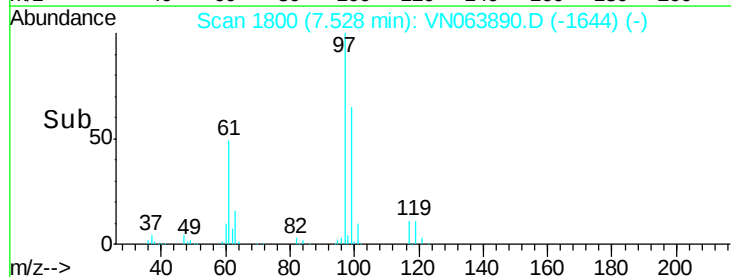
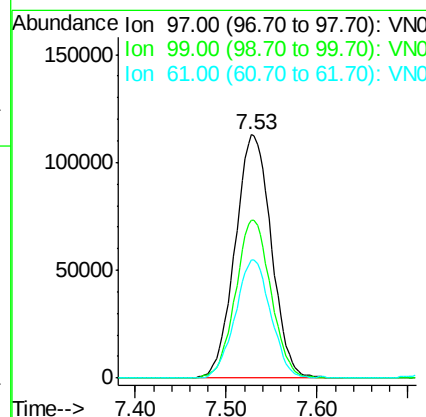
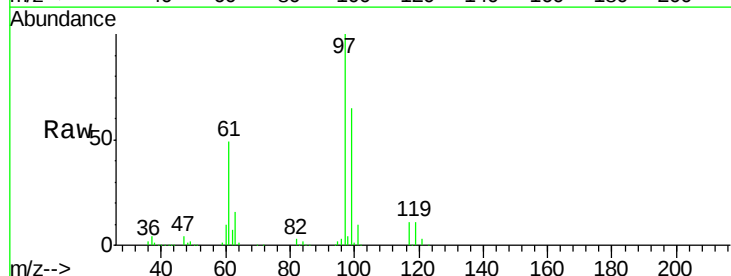
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

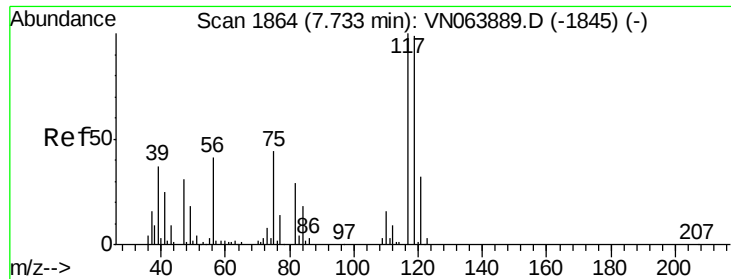
Tgt Ion: 77 Resp: 288754
 Ion Ratio Lower Upper
 77 100
 97 20.9 10.2 15.2#



#32
 1,1,1-Trichloroethane
 Concen: 57.625 ug/l
 RT: 7.53 min Scan# 1800
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Tgt Ion: 97 Resp: 311407
 Ion Ratio Lower Upper
 97 100
 99 63.6 49.7 74.5
 61 47.6 38.6 57.8

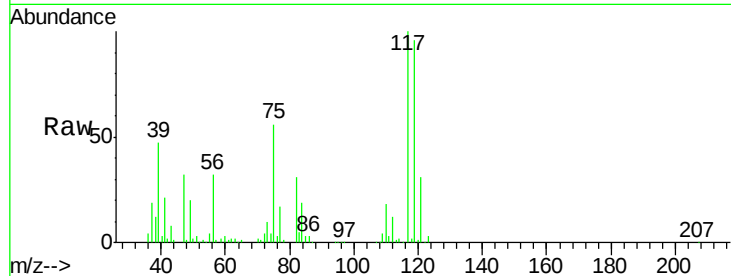




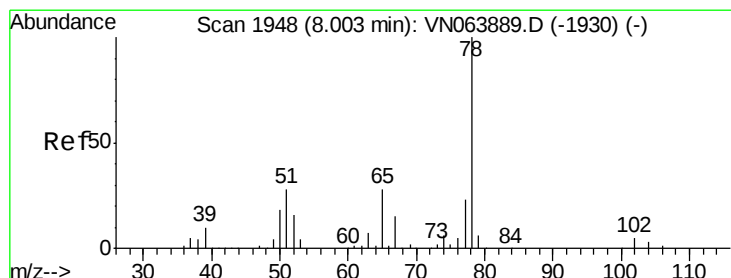
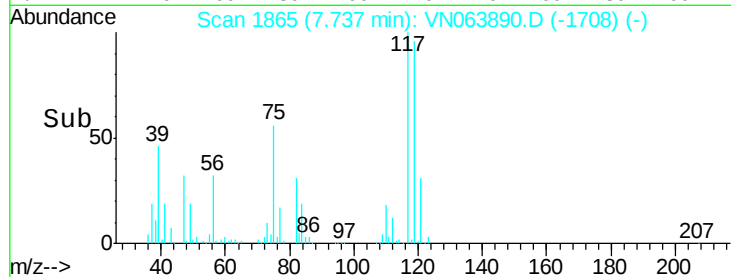
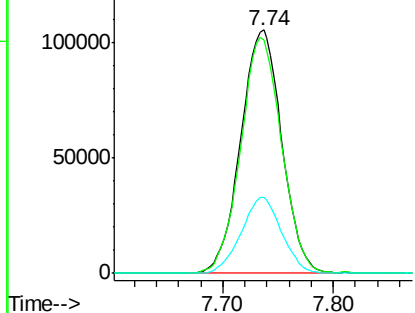
#33
Carbon Tetrachloride
Concen: 58.881 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 117 Resp: 272722
Ion Ratio Lower Upper
117 100
119 96.0 79.3 118.9
121 31.4 25.7 38.5

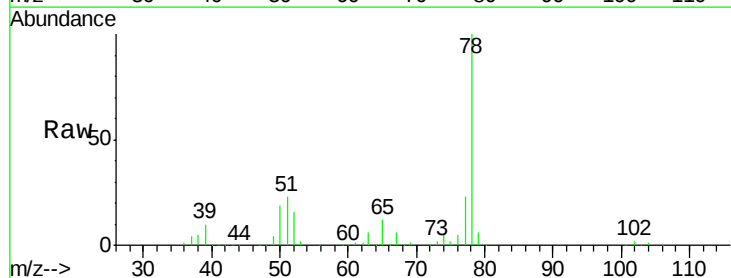


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

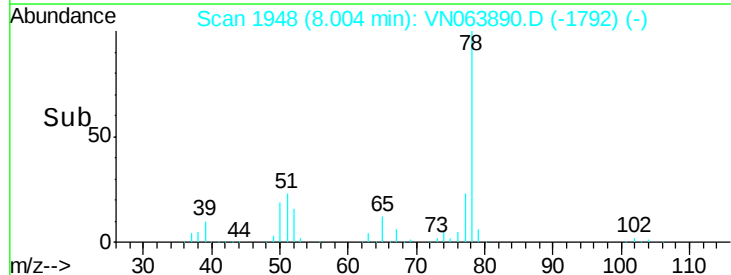
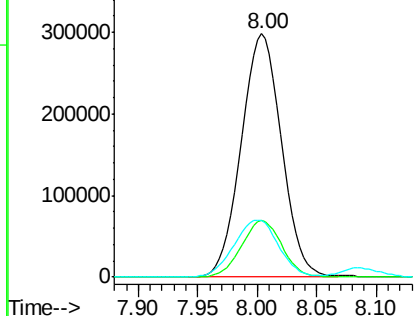


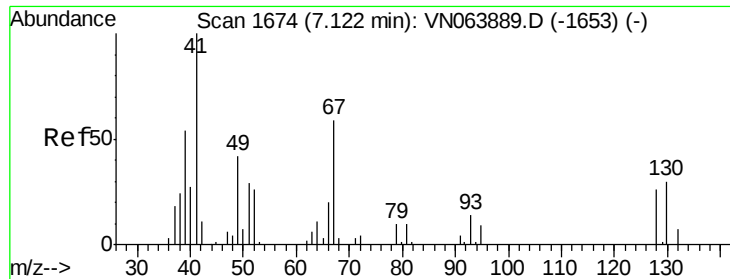
#34
Benzene
Concen: 50.935 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion: 78 Resp: 699810
Ion Ratio Lower Upper
78 100
77 23.3 18.5 27.7
51 23.2 22.7 34.1



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

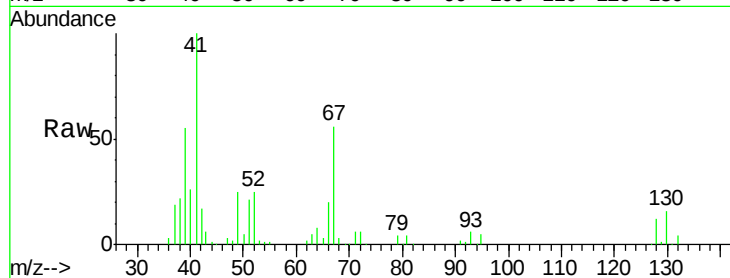




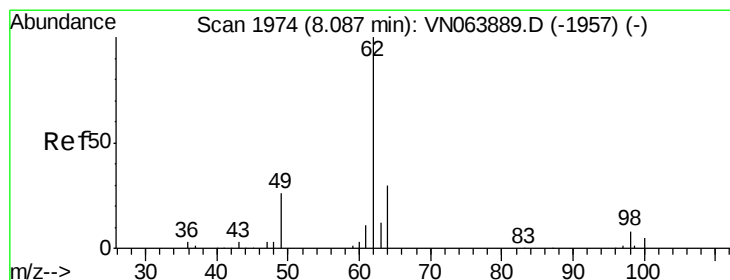
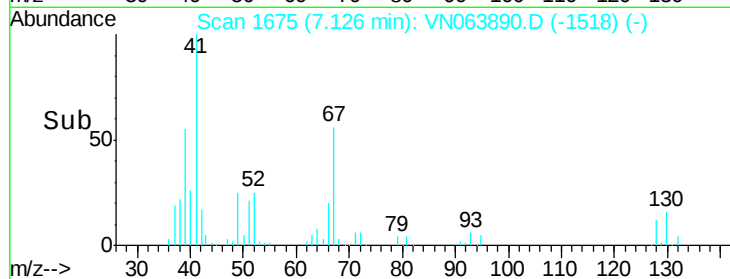
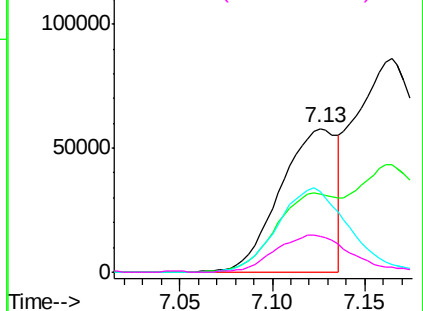
#35
Methacrylonitrile
Concen: 64.359 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:	41	Resp:	123573
Ion	Ratio	Lower	Upper
41	100		
39	54.7	26.8	80.3
67	56.5	29.8	89.3
52	24.7	13.1	39.1

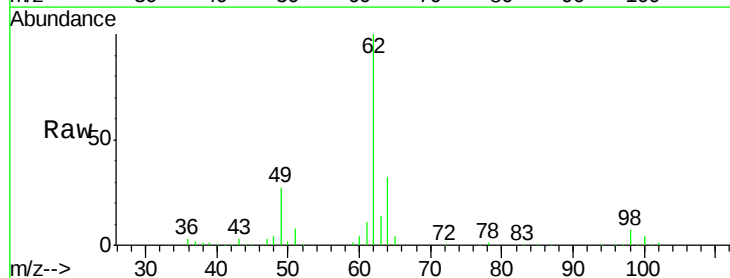


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

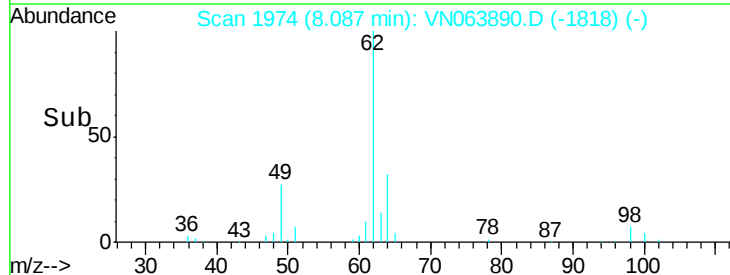
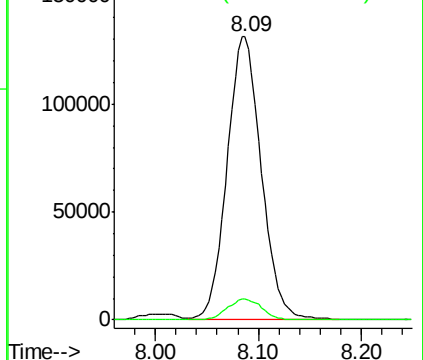


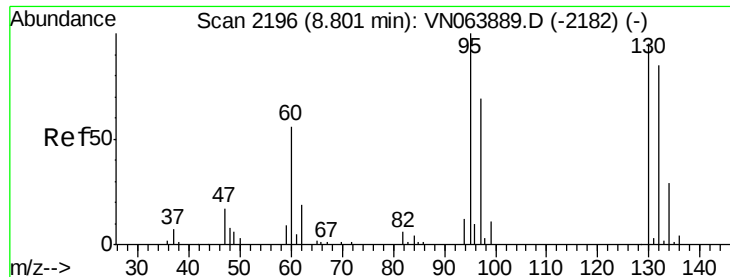
#36
1,2-Dichloroethane
Concen: 60.960 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion:	62	Resp:	303183
Ion	Ratio	Lower	Upper
62	100		
98	7.5	5.9	8.9



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

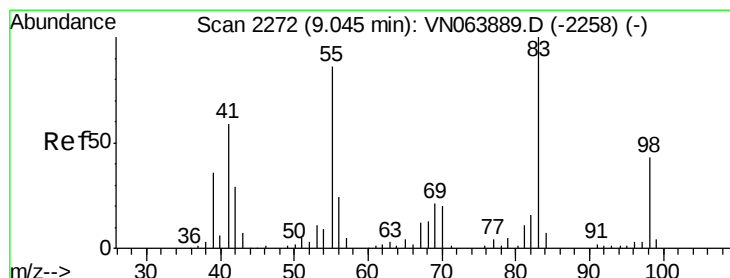
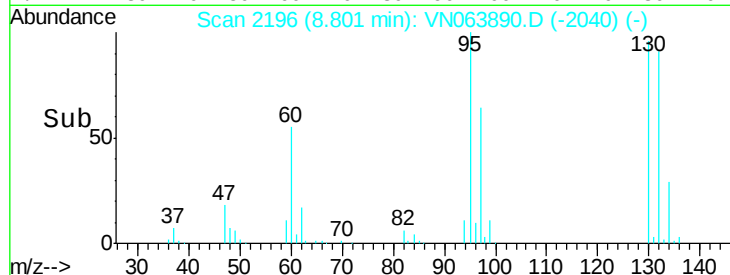
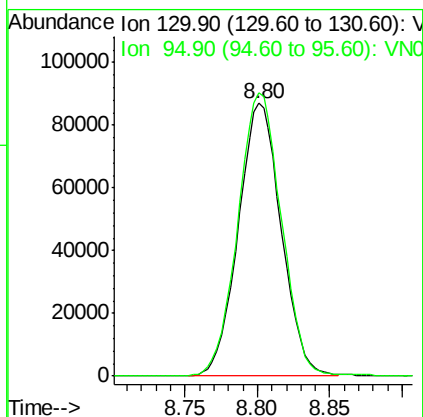
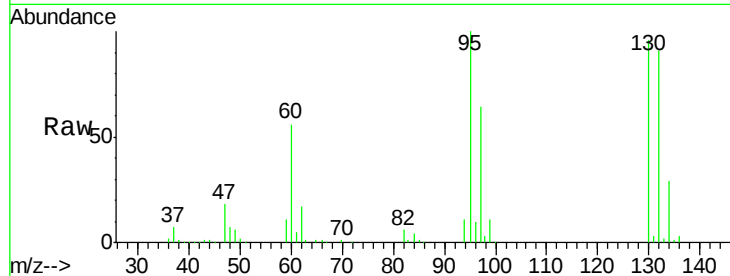




#37
 Trichloroethene
 Concen: 52.664 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

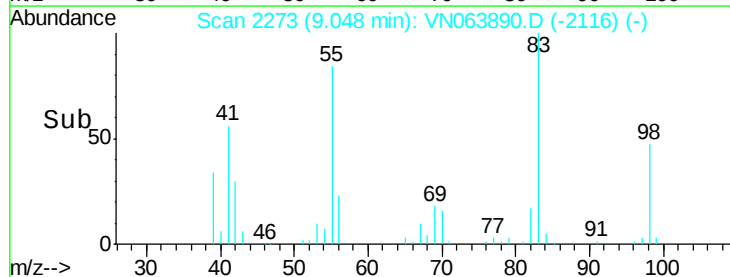
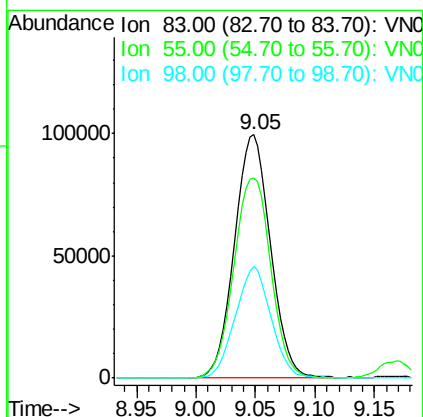
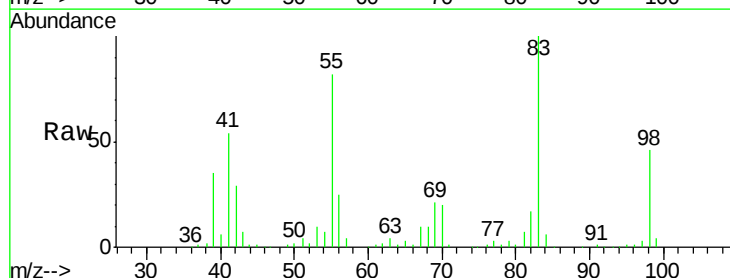
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

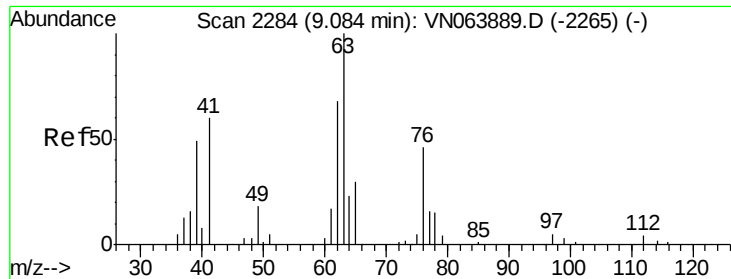
Tgt Ion: 130 Resp: 178914
 Ion Ratio Lower Upper
 130 100
 95 103.5 84.5 126.7



#38
 Methylcyclohexane
 Concen: 40.902 ug/l
 RT: 9.05 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Tgt Ion: 83 Resp: 209311
 Ion Ratio Lower Upper
 83 100
 55 84.5 42.4 127.1
 98 45.1 21.6 64.6

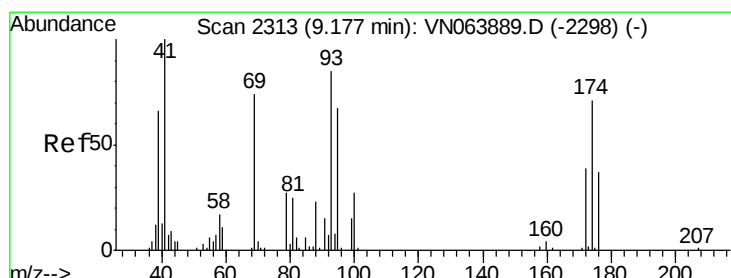
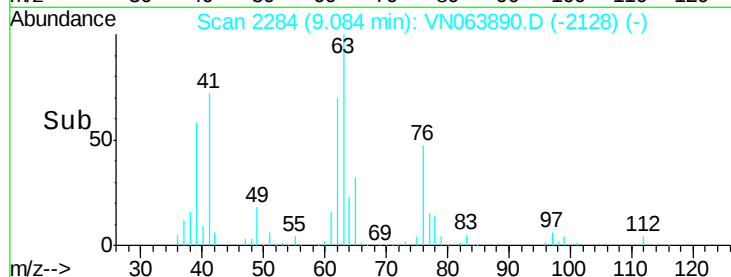
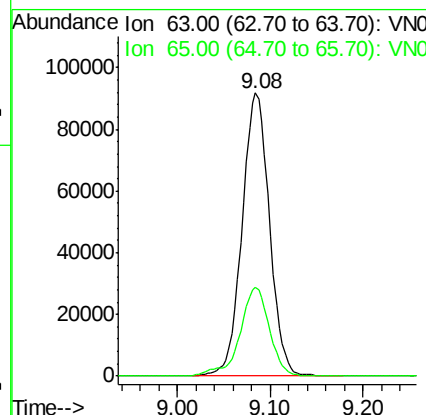
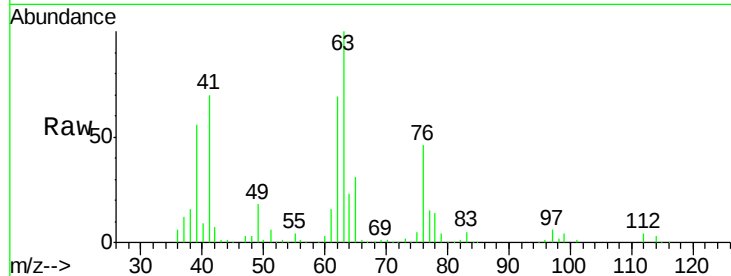




#39
 1,2-Dichloropropane
 Concen: 47.639 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

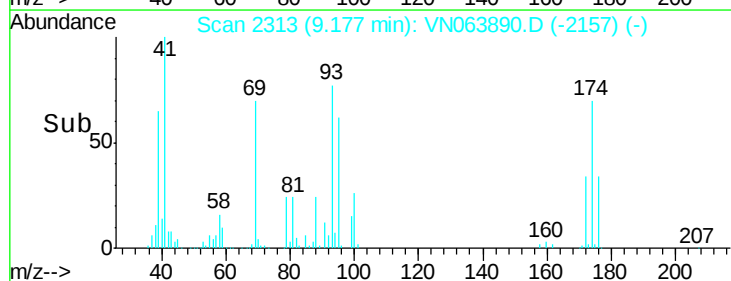
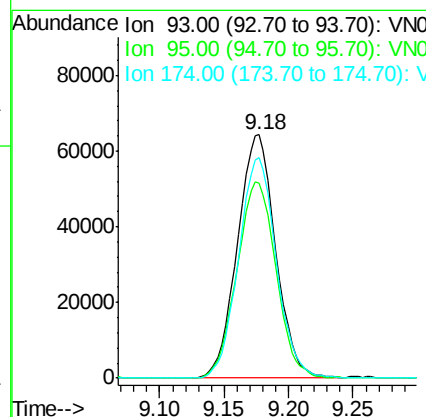
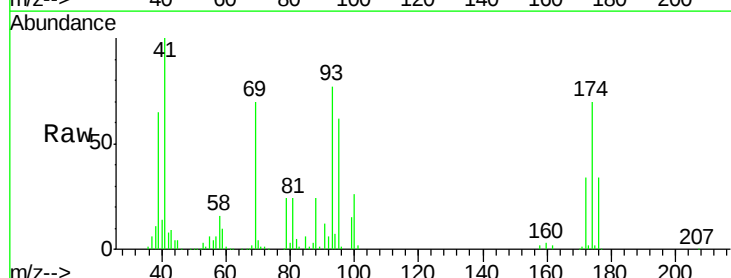
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

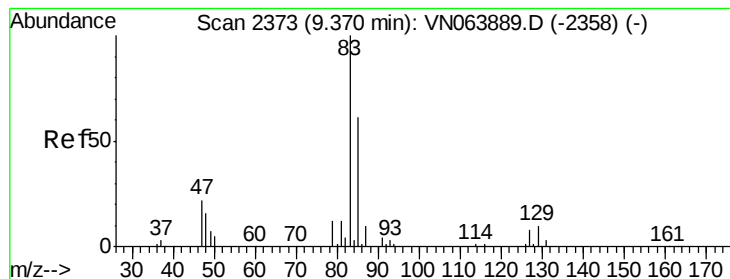
Tgt Ion: 63 Resp: 188293
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.7 37.1



#40
 Dibromomethane
 Concen: 55.432 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Tgt Ion: 93 Resp: 132656
 Ion Ratio Lower Upper
 93 100
 95 82.3 0.0 162.0
 174 89.5 0.0 176.6





#41

Bromodichloromethane

Concen: 52.234 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

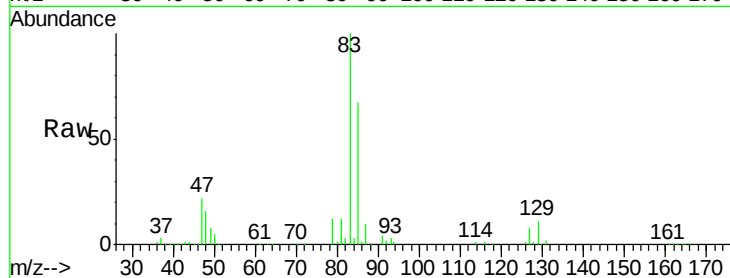
Tgt Ion: 83 Resp: 271776

Ion Ratio Lower Upper

83 100

85 66.9 49.0 73.6

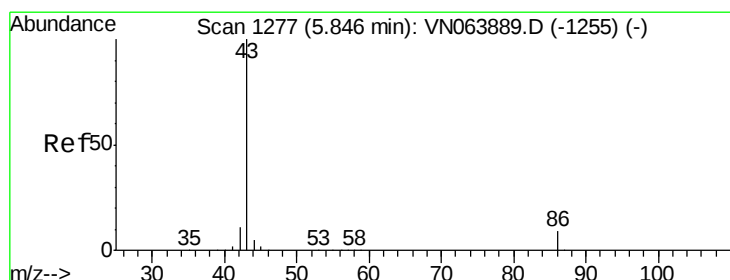
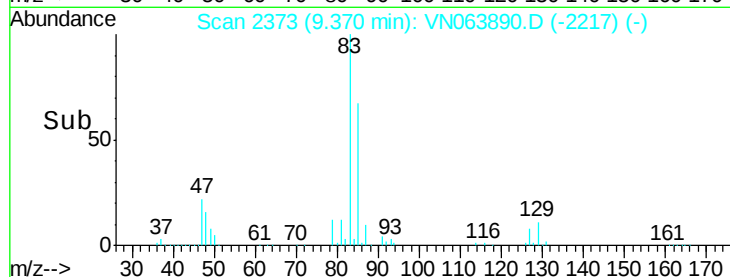
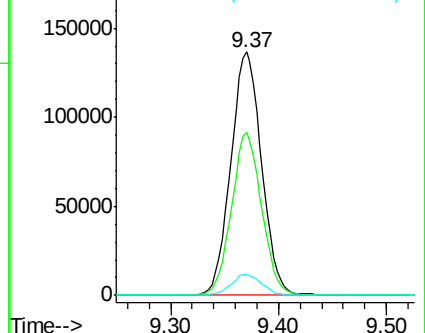
127 8.5 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VN063890.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN063890.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN063890.D (-2217) (-)



#42

Vinyl Acetate

Concen: 319.550 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN063890.D

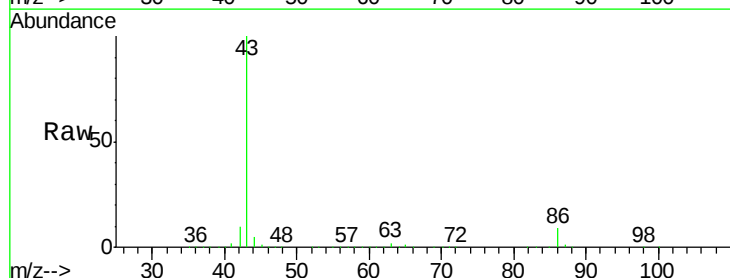
Acq: 6 Oct 2020 11:15

Tgt Ion: 43 Resp: 2593772

Ion Ratio Lower Upper

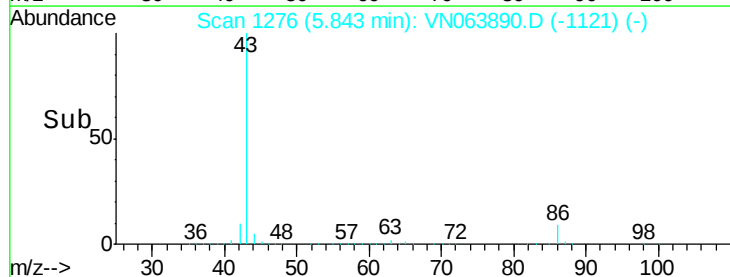
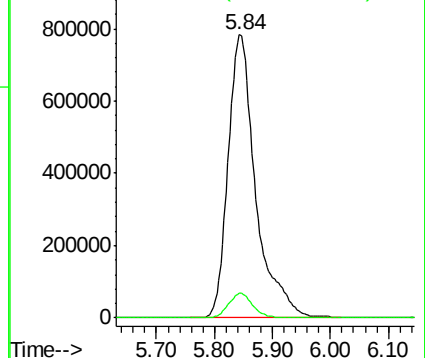
43 100

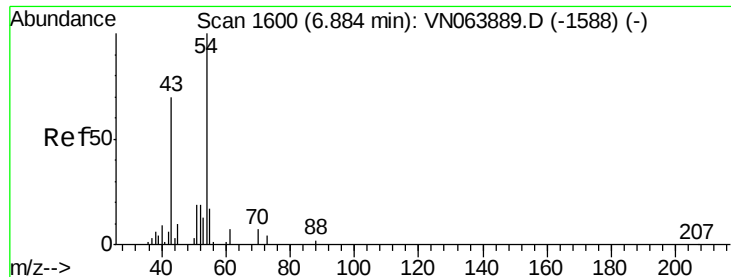
86 7.7 6.4 9.6



Abundance Ion 43.00 (42.70 to 43.70): VN063890.D (-1121) (-)

Ion 86.00 (85.70 to 86.70): VN063890.D (-1121) (-)





#43

Ethyl Acetate

Concen: 64.280 ug/l

RT: 6.88 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

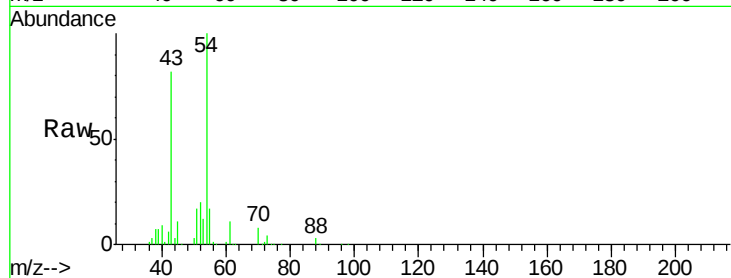
VSTDIC050

Tgt Ion: 43 Resp: 259301

Ion Ratio Lower Upper

43 100

45 12.4 10.2 15.4



Abundance Ion 43.00 (42.70 to 43.70): VN063889.D (-1588) (-)

Ion 45.00 (44.70 to 45.70): VN063889.D (-1588) (-)

250000

200000

150000

100000

50000

0

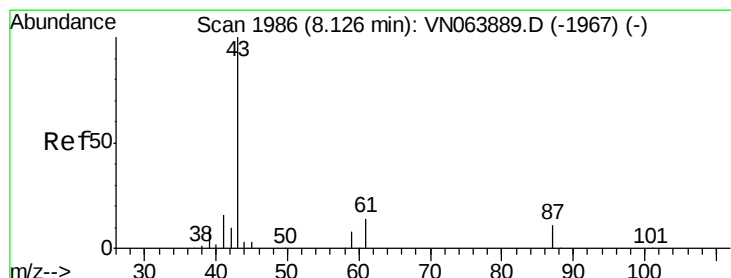
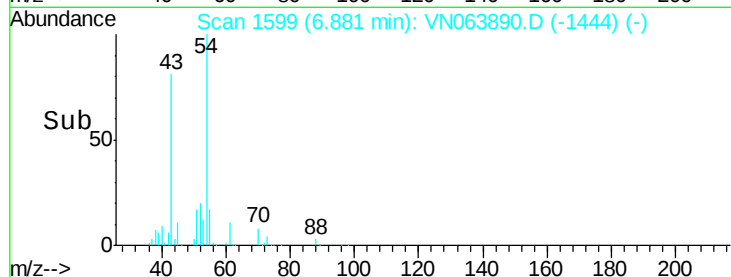
6.80

6.88

6.90

7.00

Time-->



#44

Isopropyl Acetate

Concen: 63.136 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063890.D

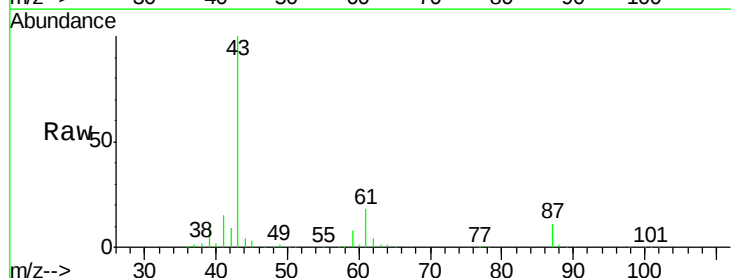
Acq: 6 Oct 2020 11:15

Tgt Ion: 43 Resp: 435269

Ion Ratio Lower Upper

43 100

61 17.6 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VN063889.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN063889.D (-1967) (-)

200000

150000

100000

50000

0

8.05

8.10

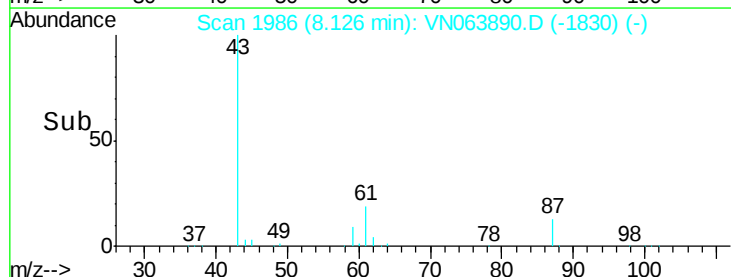
8.13

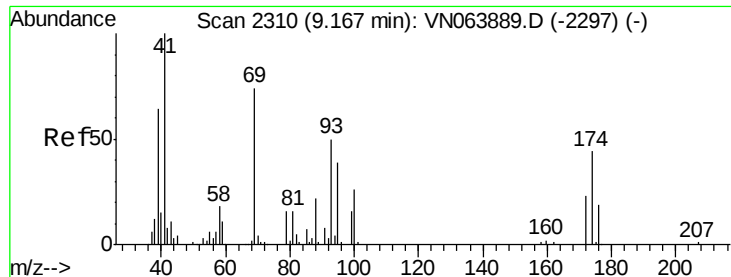
8.15

8.20

8.25

Time-->

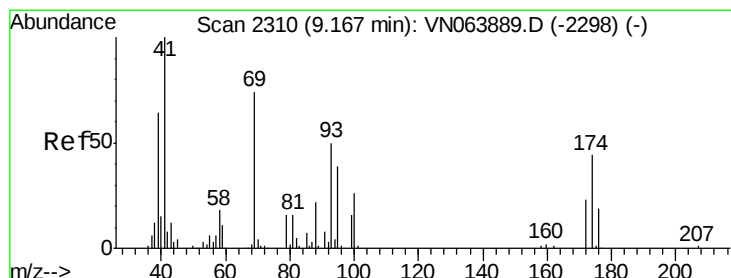
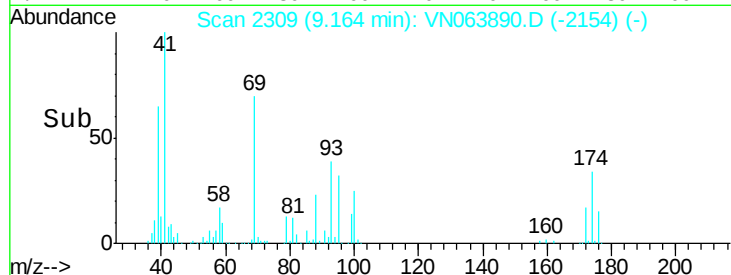
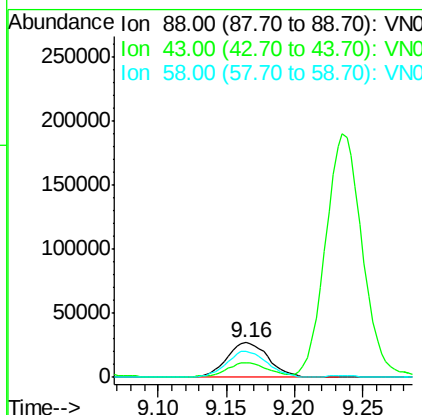
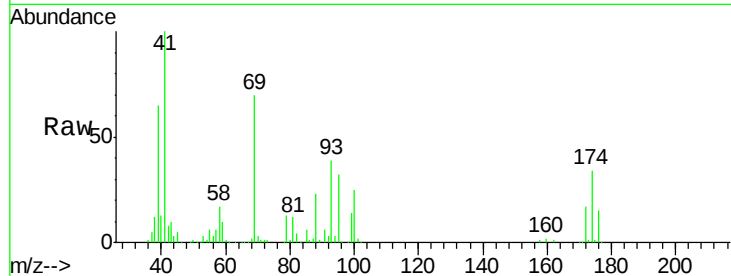




#45
 1,4-Dioxane
 Concen: 984.825 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

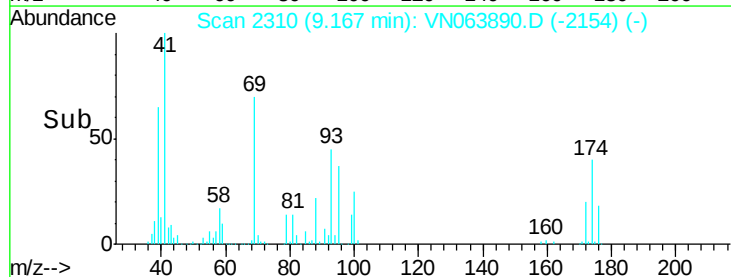
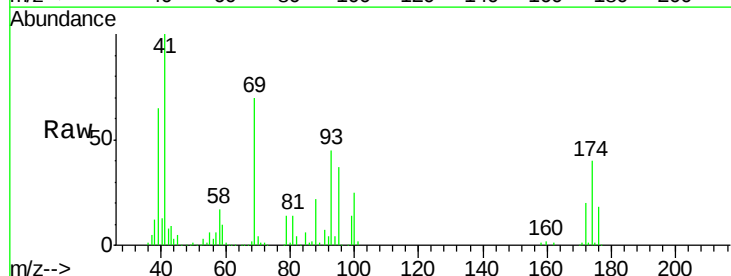
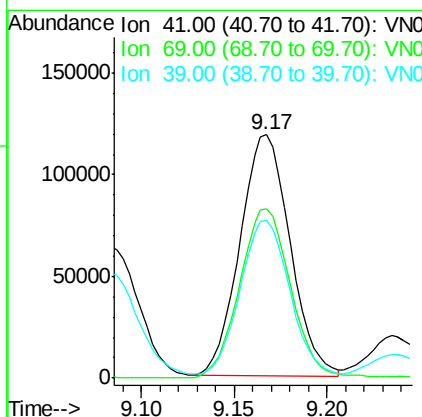
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

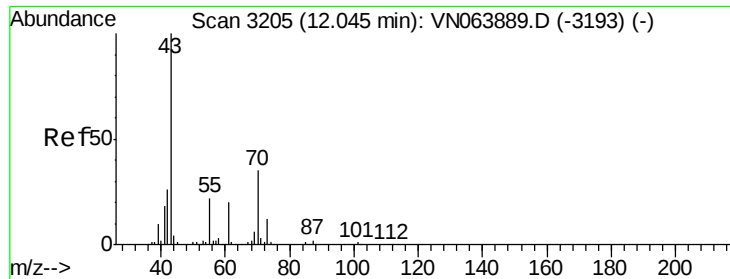
Tgt Ion: 88 Resp: 57832
 Ion Ratio Lower Upper
 88 100
 43 37.7 34.0 51.0
 58 73.1 64.9 97.3



#46
 Methyl methacrylate
 Concen: 65.308 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Tgt Ion: 41 Resp: 221923
 Ion Ratio Lower Upper
 41 100
 69 70.3 36.9 110.7
 39 63.9 31.9 95.5

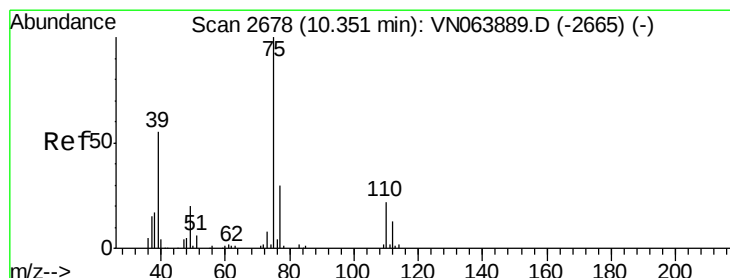
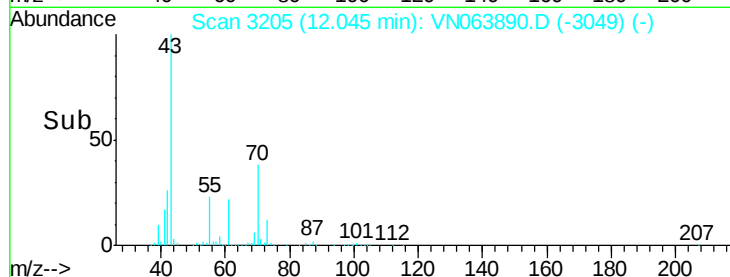
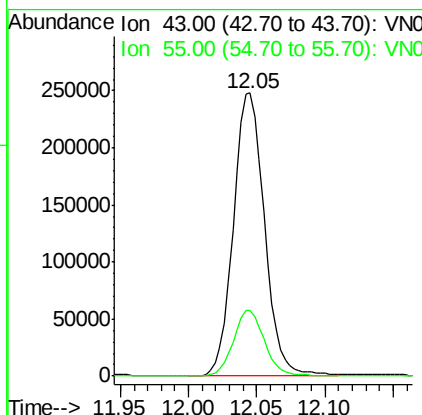
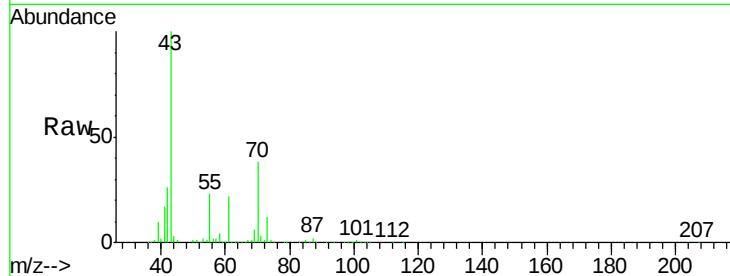




#47
n-amyl Acetate
Concen: 64.593 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

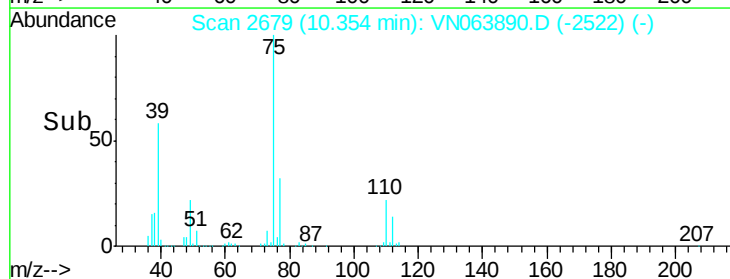
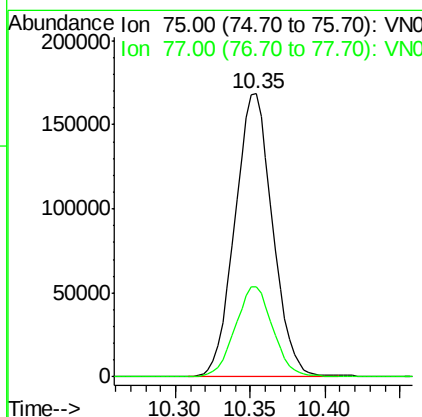
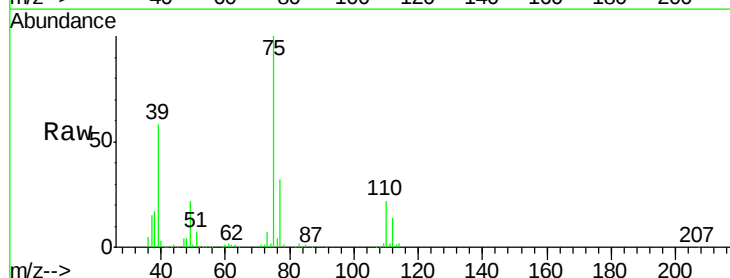
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

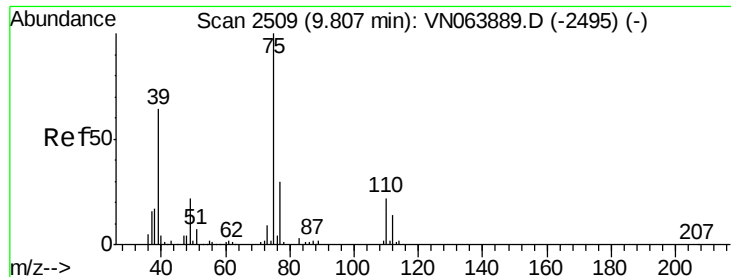
Tgt Ion: 43 Resp: 391731
Ion Ratio Lower Upper
43 100
55 23.3 17.8 26.6



#48
t-1,3-Dichloropropene
Concen: 53.363 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion: 75 Resp: 295664
Ion Ratio Lower Upper
75 100
77 32.0 24.2 36.4

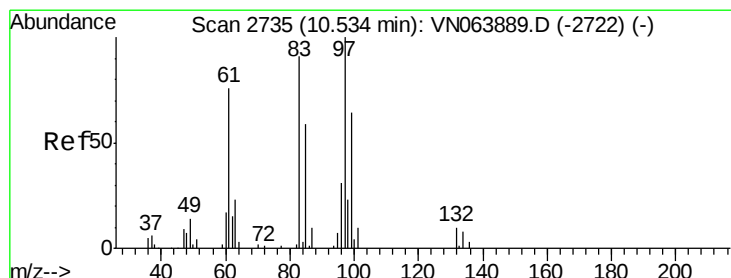
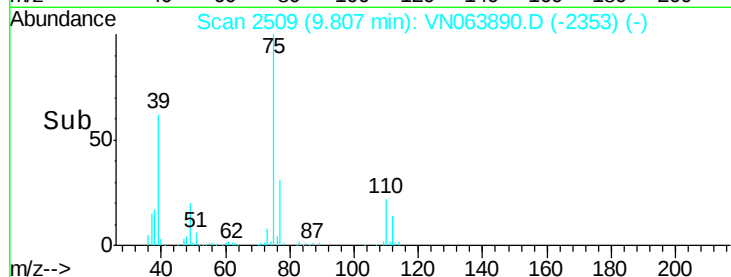
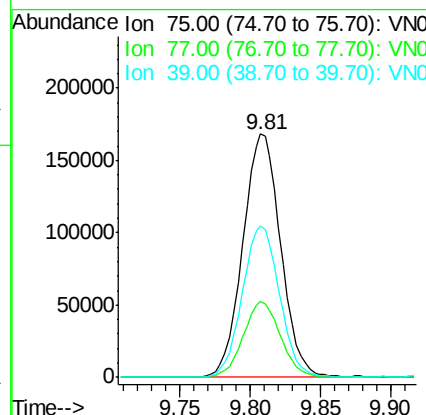
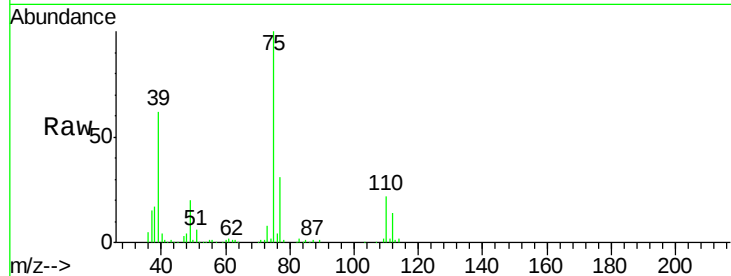




#49
 cis-1,3-Dichloropropene
 Concen: 53.239 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

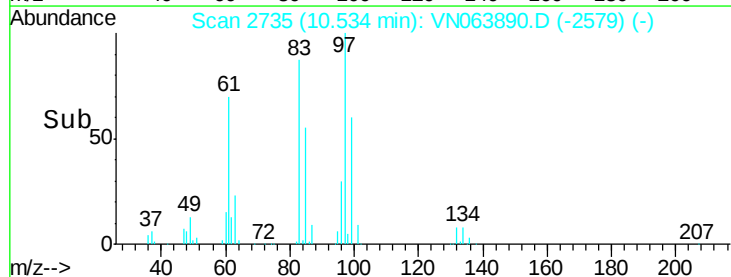
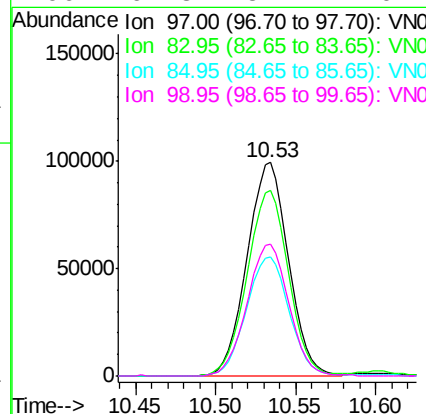
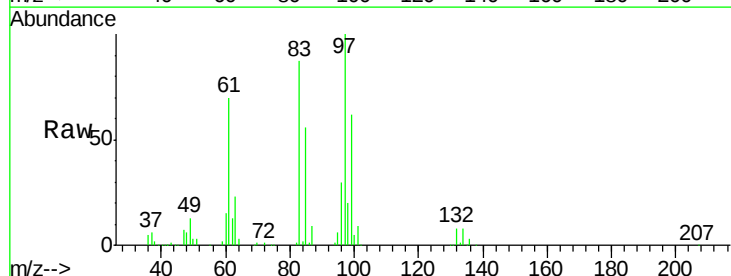
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

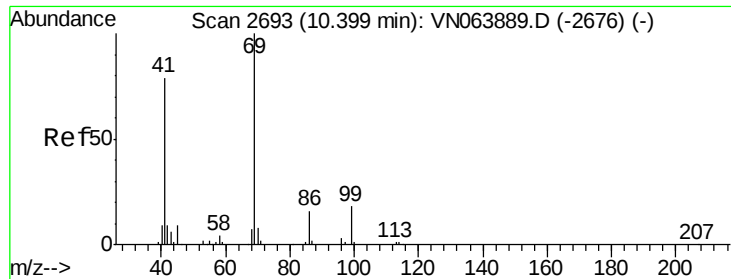
Tgt Ion: 75 Resp: 315010
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.1 36.1
 39 62.1 51.0 76.4



#50
 1,1,2-Trichloroethane
 Concen: 49.629 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Tgt Ion: 97 Resp: 176091
 Ion Ratio Lower Upper
 97 100
 83 86.8 73.0 109.6
 85 55.5 46.9 70.3
 99 61.3 51.1 76.7





#51

Ethyl methacrylate

Concen: 54.284 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

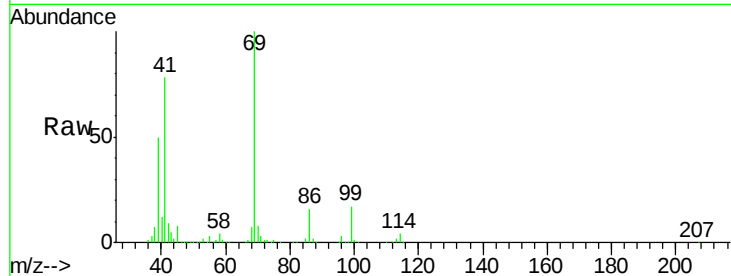
Tgt Ion: 69 Resp: 266644

Ion Ratio Lower Upper

69 100

41 78.2 39.6 118.7

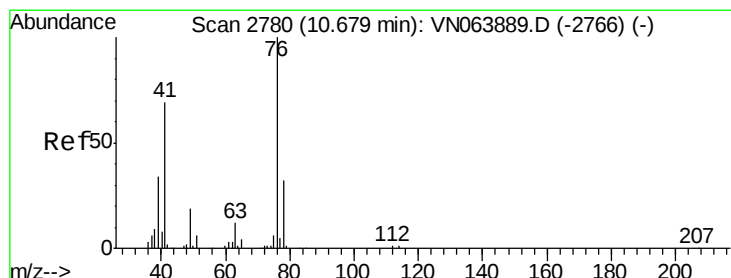
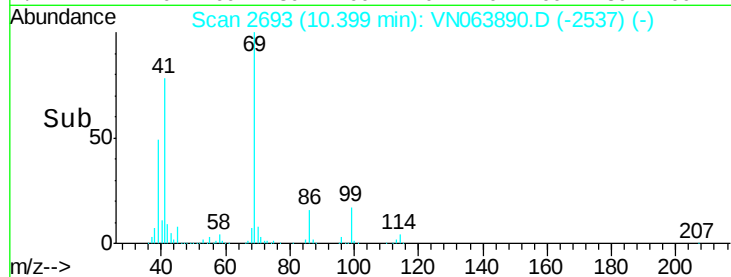
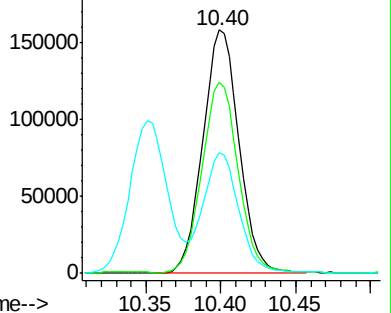
39 49.0 25.9 77.6



Abundance Ion 69.00 (68.70 to 69.70): VN063889.D (-2676) (-)

Ion 41.00 (40.70 to 41.70): VN063889.D (-2676) (-)

Ion 39.00 (38.70 to 39.70): VN063889.D (-2676) (-)



#52

1,3-Dichloropropane

Concen: 50.961 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063890.D

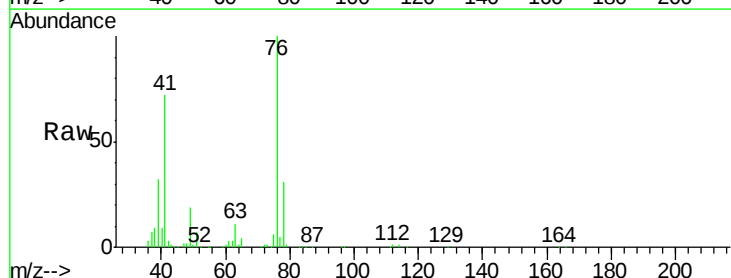
Acq: 6 Oct 2020 11:15

Tgt Ion: 76 Resp: 300199

Ion Ratio Lower Upper

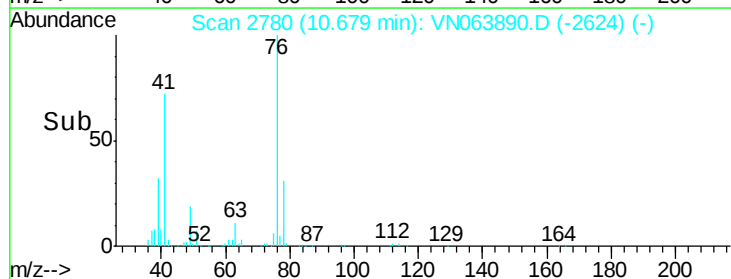
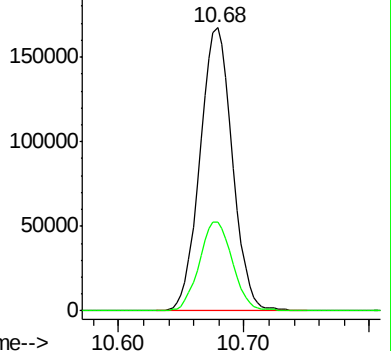
76 100

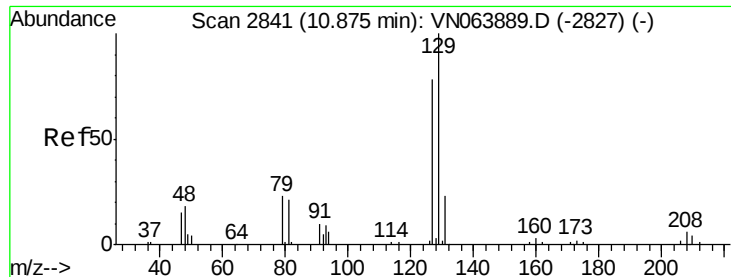
78 32.2 0.0 66.0



Abundance Ion 76.00 (75.70 to 76.70): VN063889.D (-2766) (-)

Ion 78.00 (77.70 to 78.70): VN063889.D (-2766) (-)





#53

Dibromochloromethane

Concen: 51.838 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

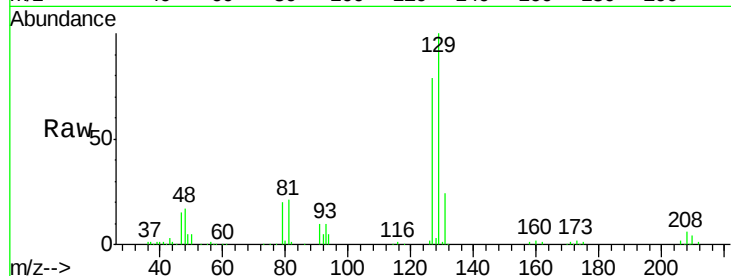
VSTDIC050

Tgt Ion:129 Resp: 204682

Ion Ratio Lower Upper

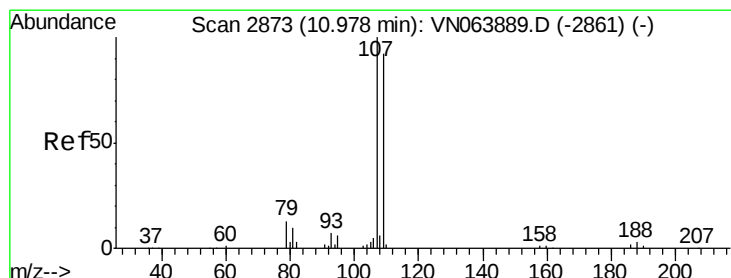
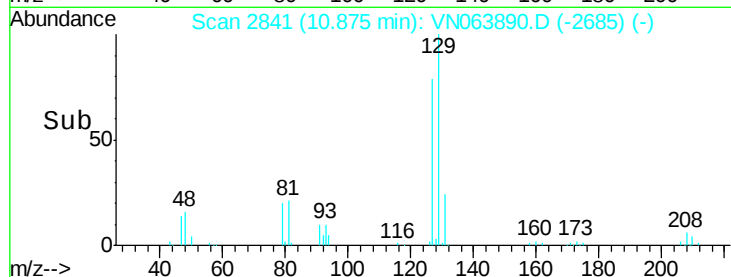
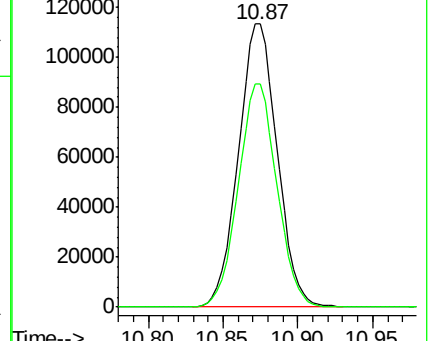
129 100

127 78.7 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: 53.639 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN063890.D

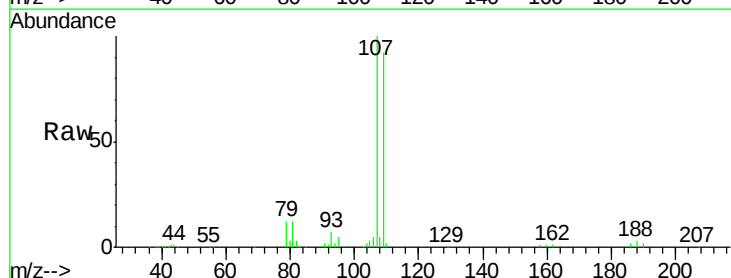
Acq: 6 Oct 2020 11:15

Tgt Ion:107 Resp: 186540

Ion Ratio Lower Upper

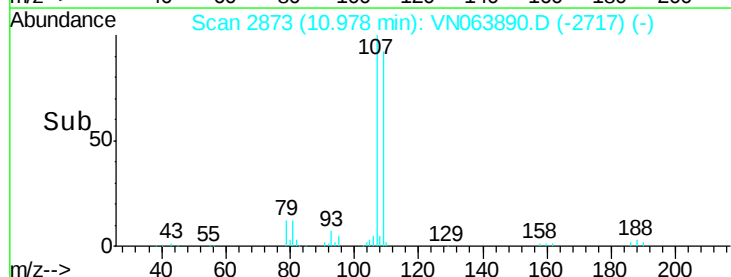
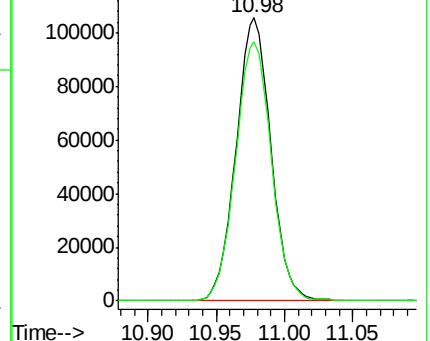
107 100

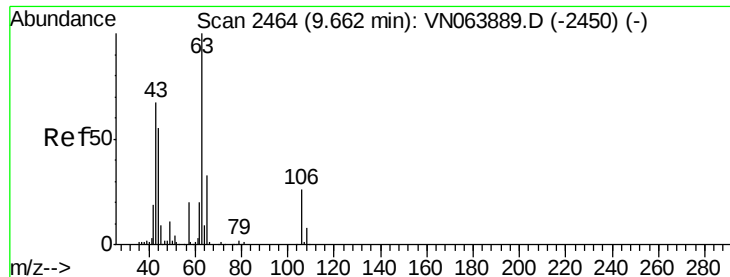
109 94.4 74.7 112.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

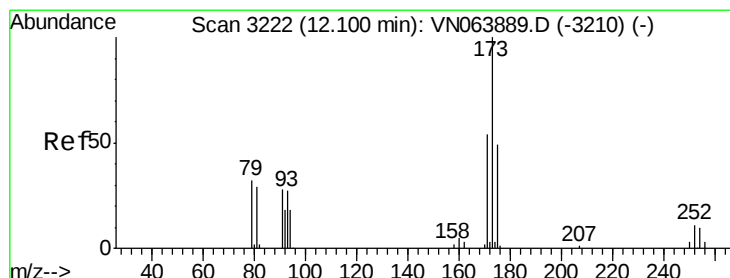
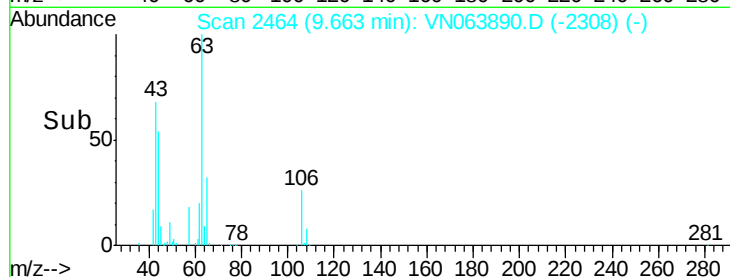
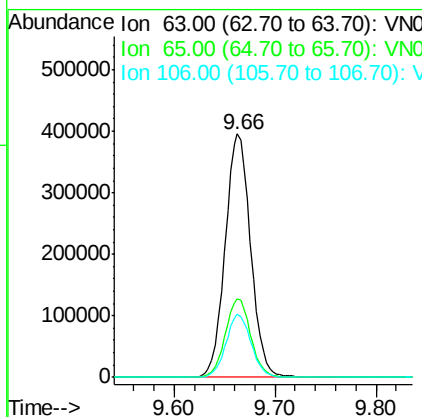
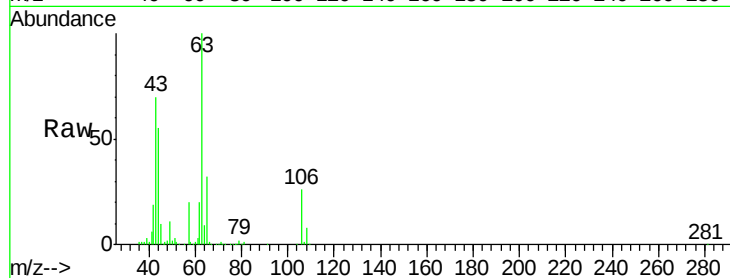




#55
 2-Chloroethyl vinyl ether
 Concen: 517.700 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

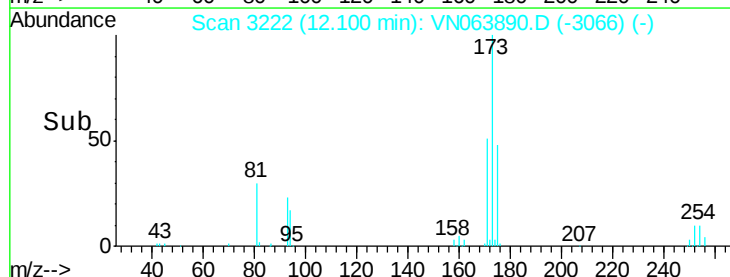
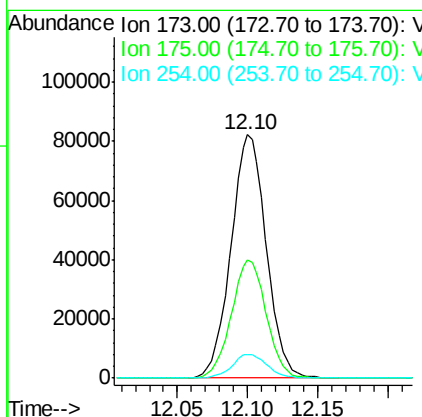
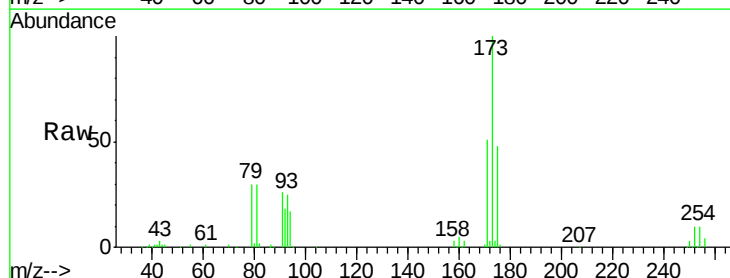
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

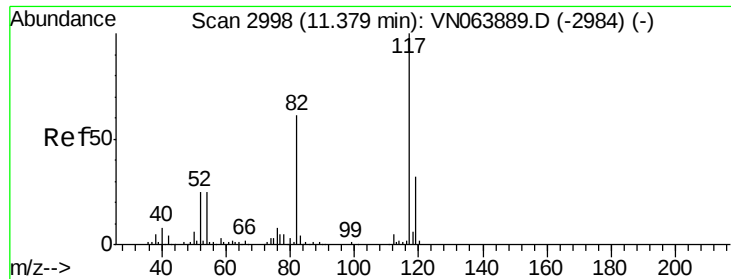
Tgt Ion: 63 Resp: 697501
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.4 38.2
 106 25.6 20.3 30.5



#56
 Bromoform
 Concen: 50.384 ug/l
 RT: 12.10 min Scan# 3222
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Tgt Ion: 173 Resp: 143614
 Ion Ratio Lower Upper
 173 100
 175 48.0 39.4 59.2
 254 9.6 7.8 11.6

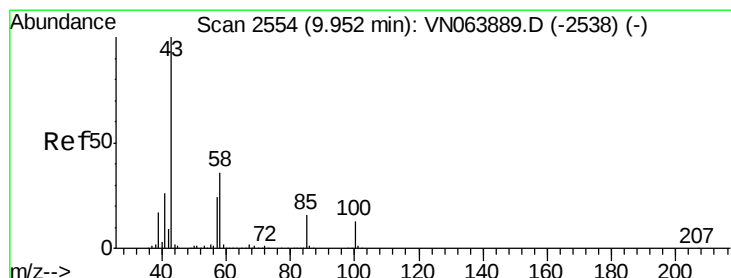
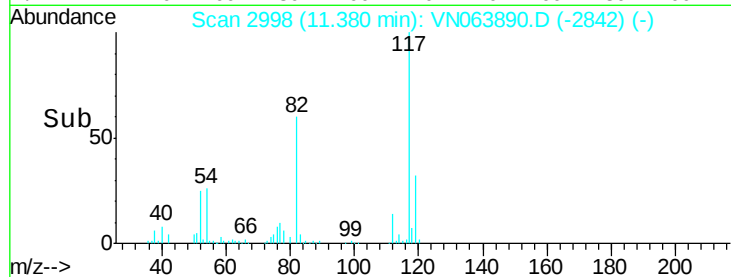
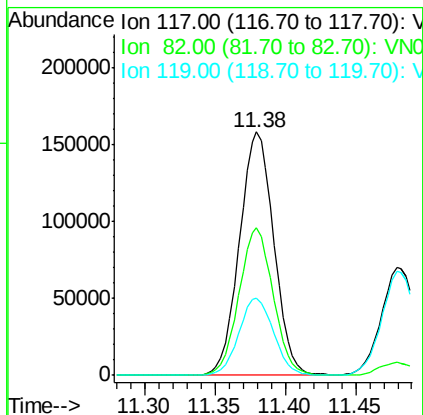
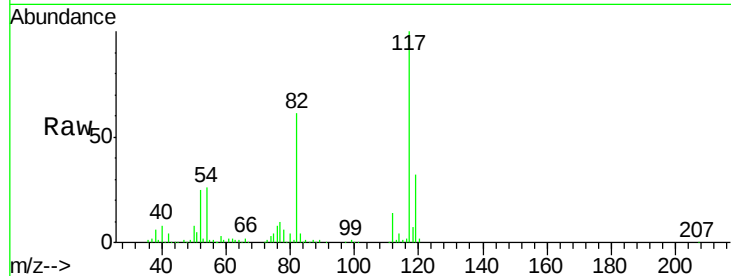




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

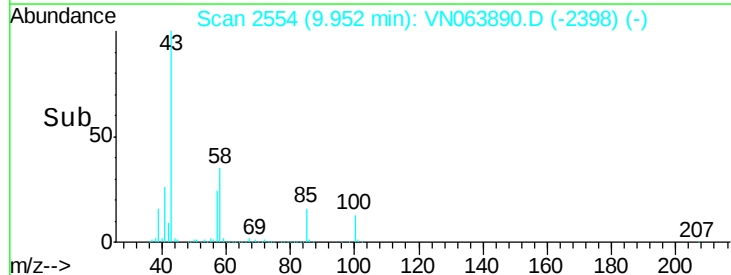
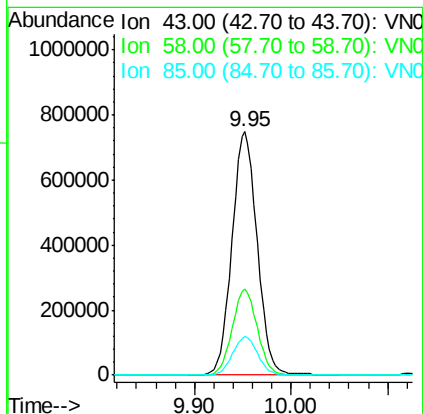
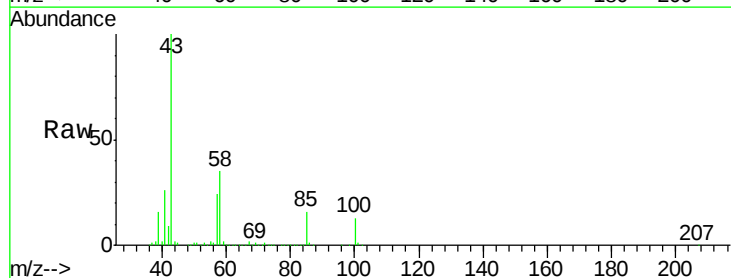
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

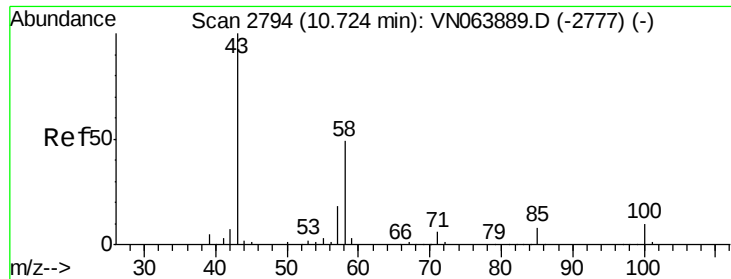
Tgt Ion: 117 Resp: 270287
Ion Ratio Lower Upper
117 100
82 60.0 47.7 71.5
119 32.0 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 316.207 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion: 43 Resp: 1352306
Ion Ratio Lower Upper
43 100
58 35.0 28.2 42.4
85 15.6 12.8 19.2

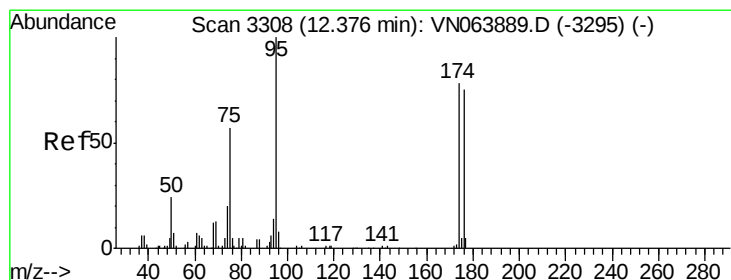
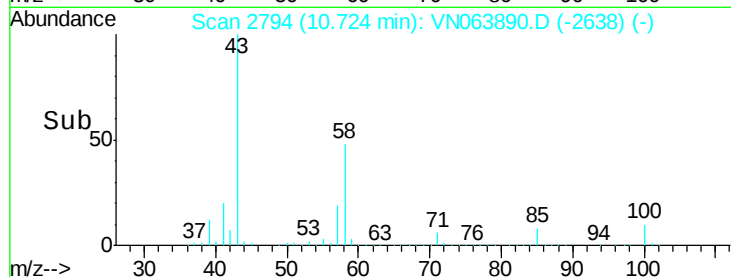
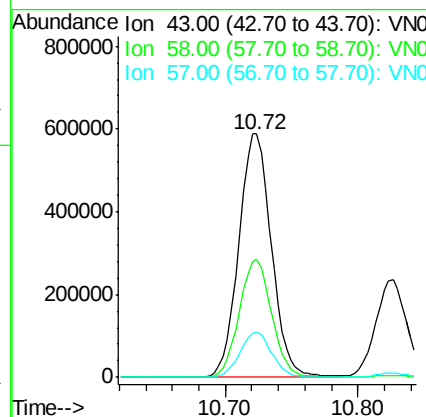
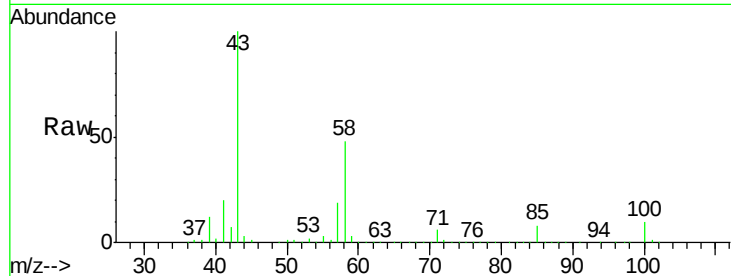




#59
2-Hexanone
Concen: 325.220 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

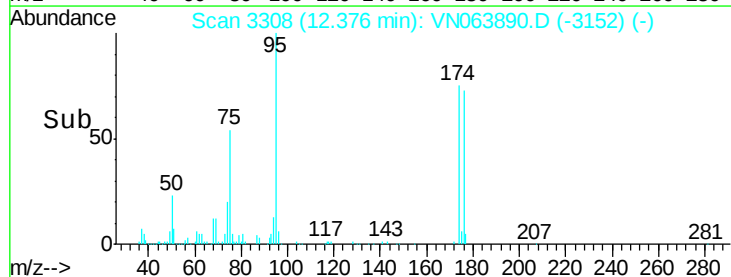
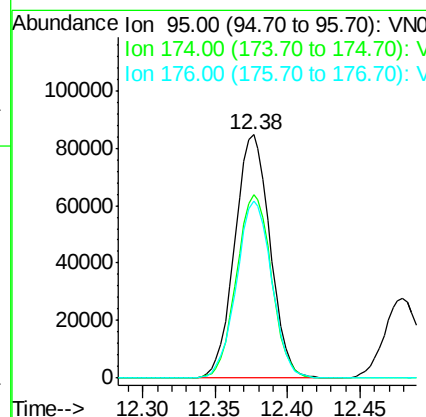
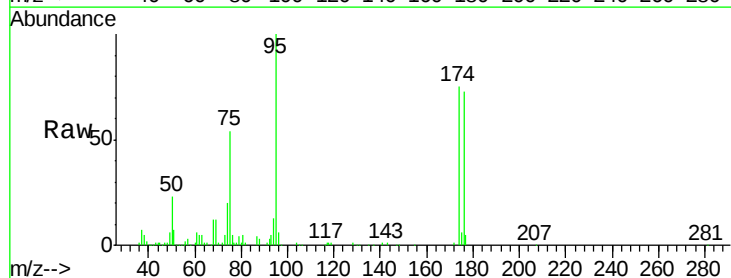
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

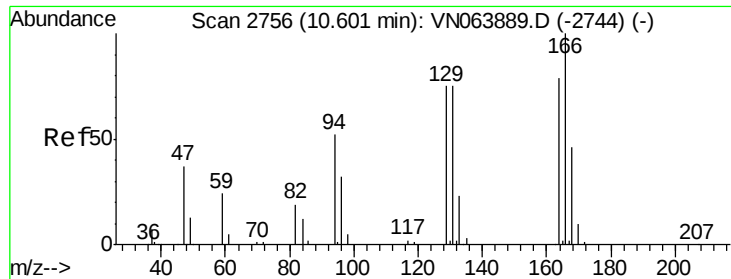
Tgt Ion: 43 Resp: 1002484
Ion Ratio Lower Upper
43 100
58 48.3 38.9 58.3
57 18.3 14.6 22.0



#60
4-Bromofluorobenzene
Concen: 32.980 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion: 95 Resp: 143004
Ion Ratio Lower Upper
95 100
174 74.8 61.0 91.4
176 72.5 58.5 87.7





#61

Tetrachloroethene

Concen: 53.123 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion:164 Resp: 167556

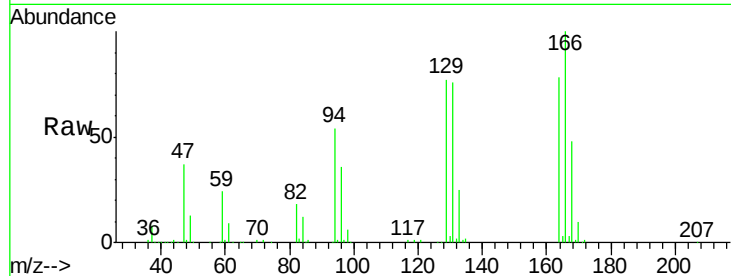
Ion Ratio Lower Upper

164 100

166 128.4 102.2 153.4

129 99.3 77.2 115.8

131 97.2 76.6 114.8

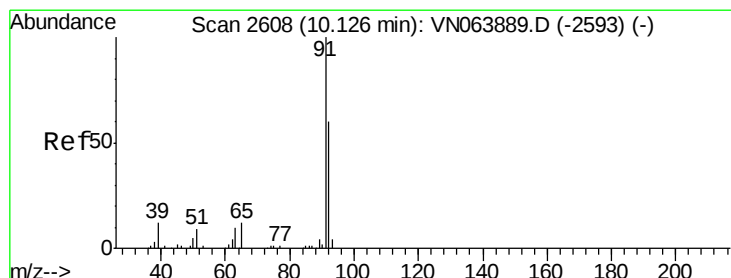
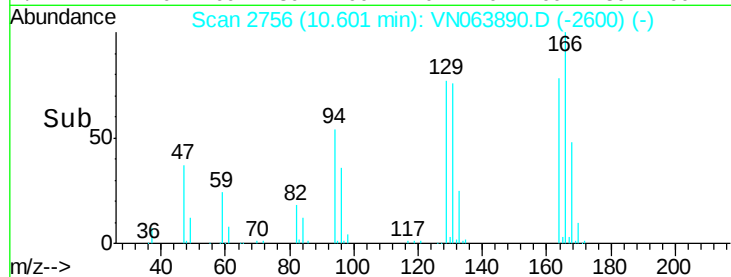
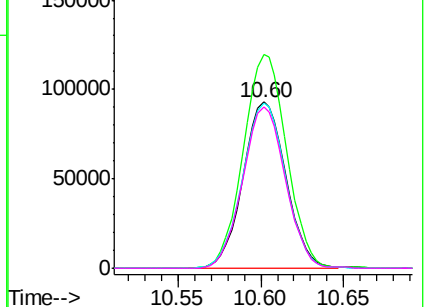


Abundance Ion 163.85 (163.55 to 164.55): V

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: 51.600 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063890.D

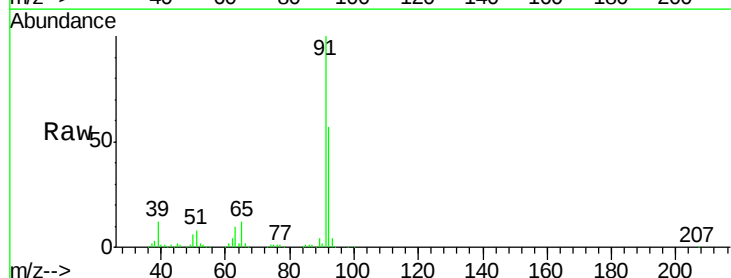
Acq: 6 Oct 2020 11:15

Tgt Ion: 91 Resp: 770469

Ion Ratio Lower Upper

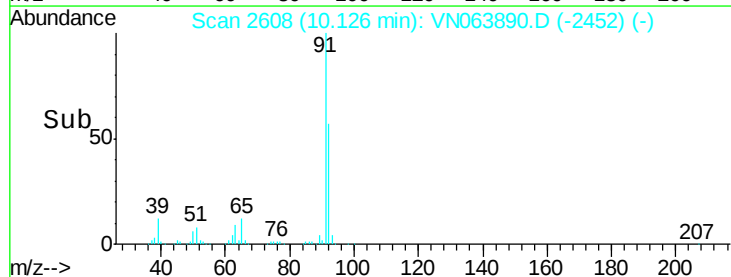
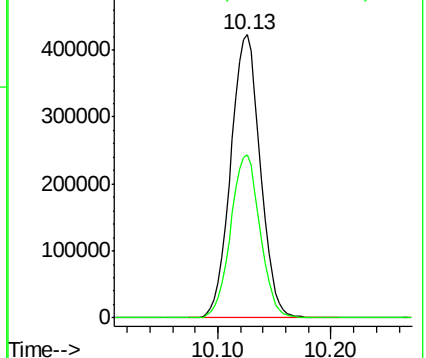
91 100

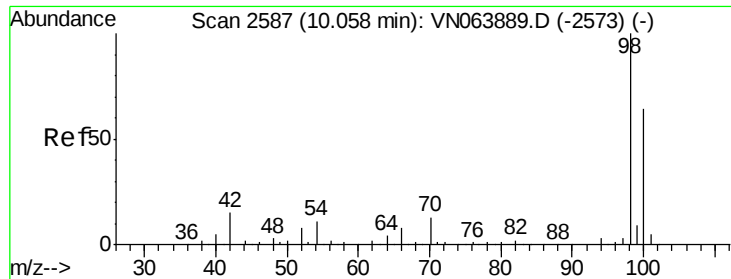
92 57.3 47.2 70.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.664 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

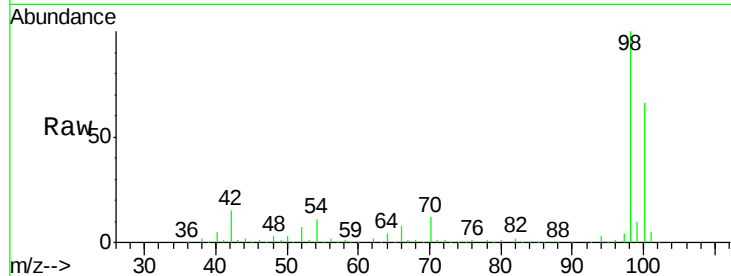
VSTDIC050

Tgt Ion: 98 Resp: 366926

Ion Ratio Lower Upper

98 100

100 64.5 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VN063889.D (-2573) (-)

Ion 100.00 (99.70 to 100.70): VN063889.D (-2573) (-)

10.06

200000

150000

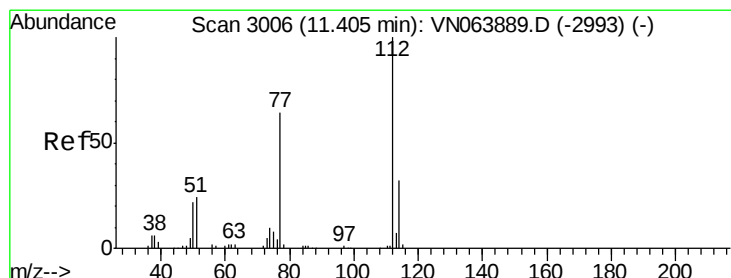
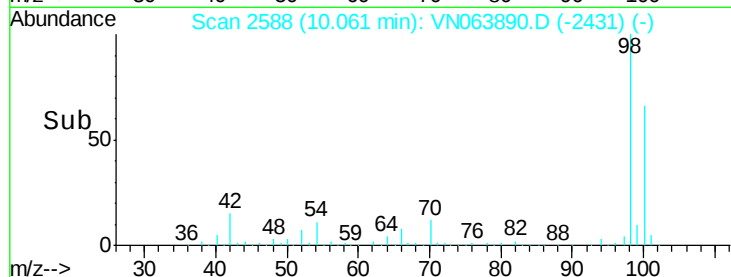
100000

50000

0

10.00 10.05 10.10 10.15

Time-->



#64

Chlorobenzene

Concen: 50.499 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN063890.D

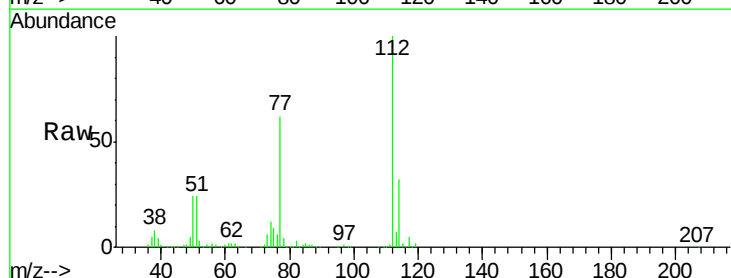
Acq: 6 Oct 2020 11:15

Tgt Ion: 112 Resp: 463616

Ion Ratio Lower Upper

112 100

114 32.1 25.8 38.6



Abundance Ion 112.00 (111.70 to 112.70): VN063889.D (-2993) (-)

Ion 114.00 (113.70 to 114.70): VN063889.D (-2993) (-)

11.41

300000

250000

200000

150000

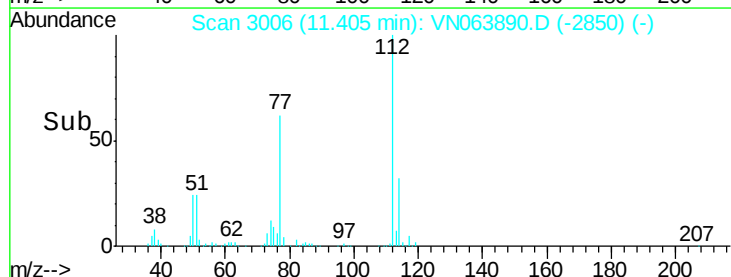
100000

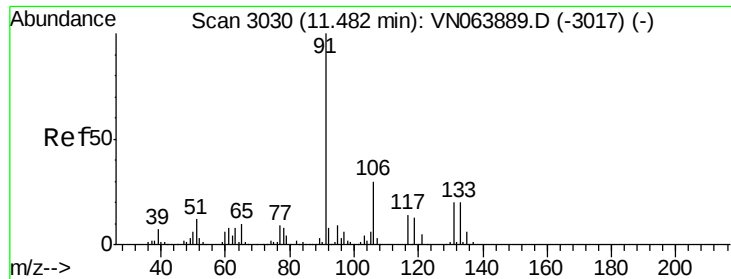
50000

0

11.40 11.50

Time-->

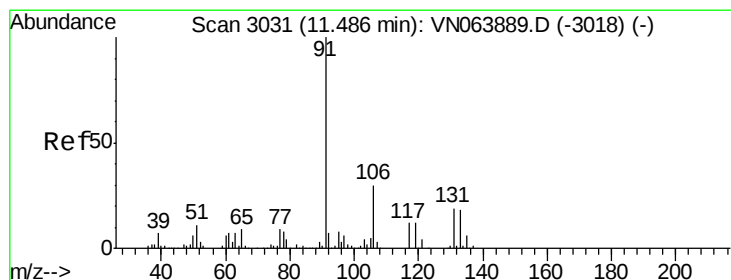
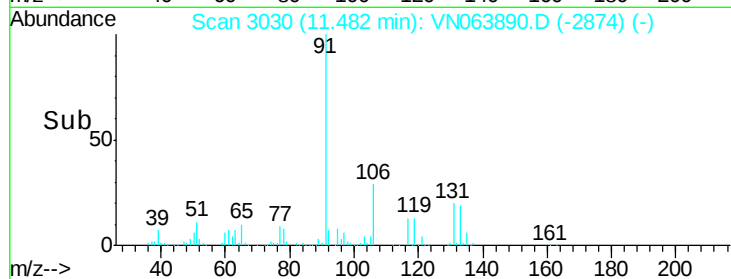
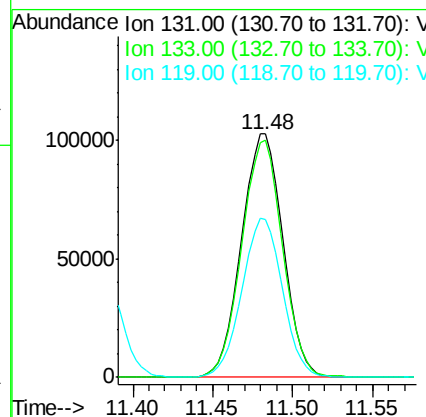
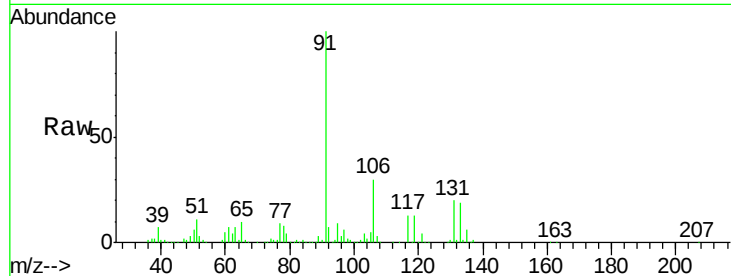




#65
 1,1,1,2-Tetrachloroethane
 Concen: 50.047 ug/l
 RT: 11.48 min Scan# 3030
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

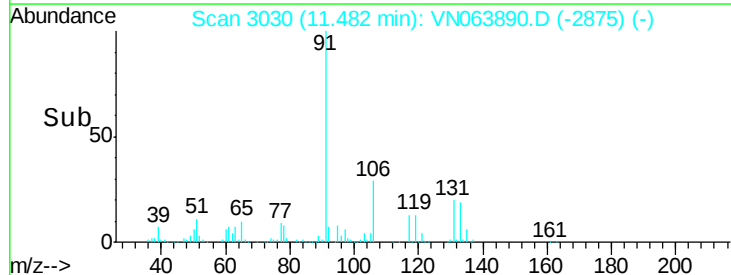
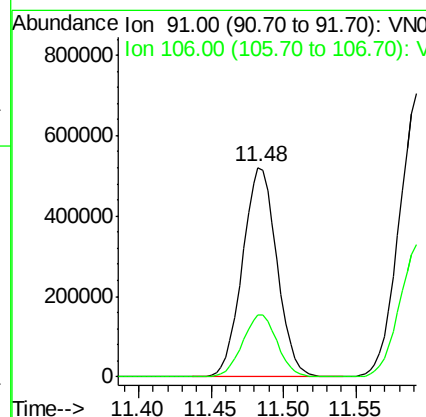
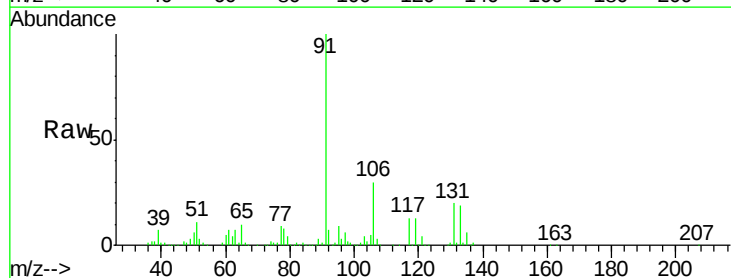
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

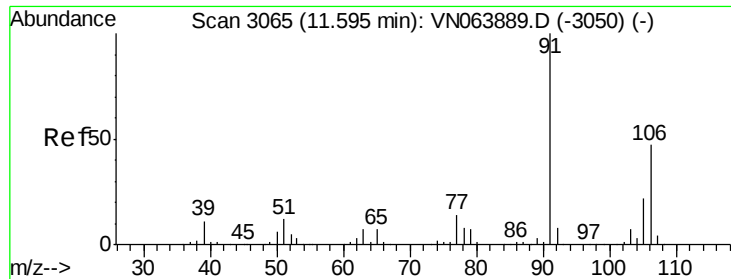
Tgt Ion: 131 Resp: 181976
 Ion Ratio Lower Upper
 131 100
 133 96.0 0.0 192.6
 119 63.9 0.0 133.2



#66
 Ethyl Benzene
 Concen: 52.624 ug/l
 RT: 11.48 min Scan# 3030
 Delta R.T. -0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Tgt Ion: 91 Resp: 861220
 Ion Ratio Lower Upper
 91 100
 106 29.6 24.4 36.6

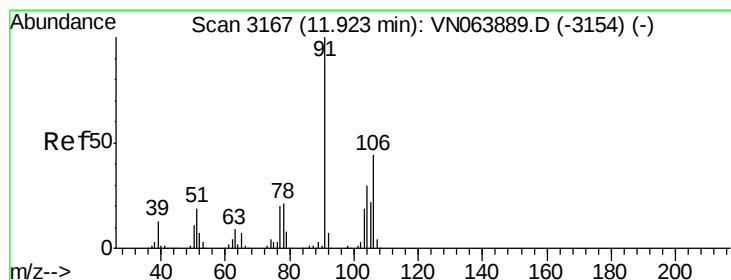
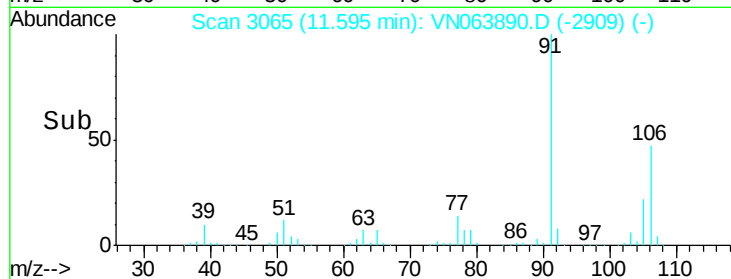
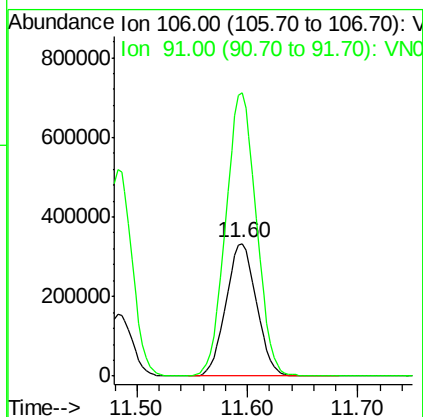
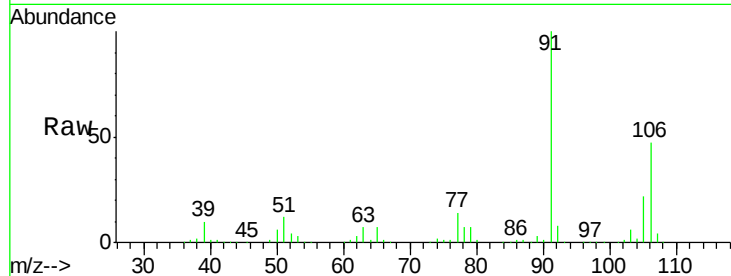




#67
m/p-Xylenes
Concen: 103.936 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

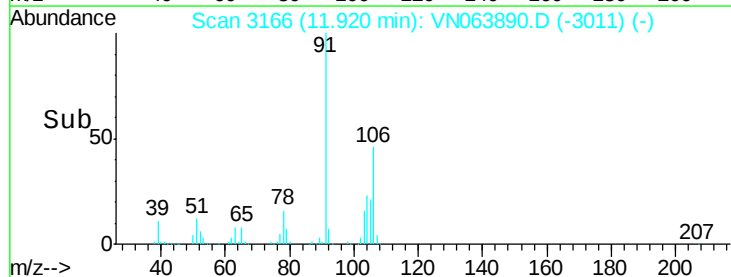
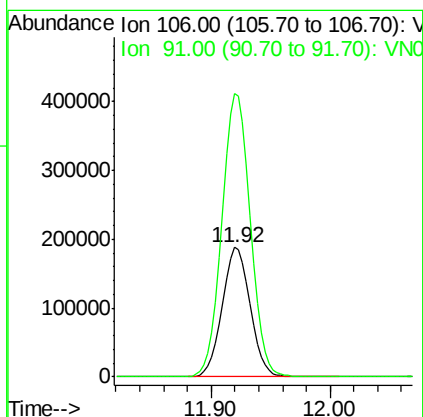
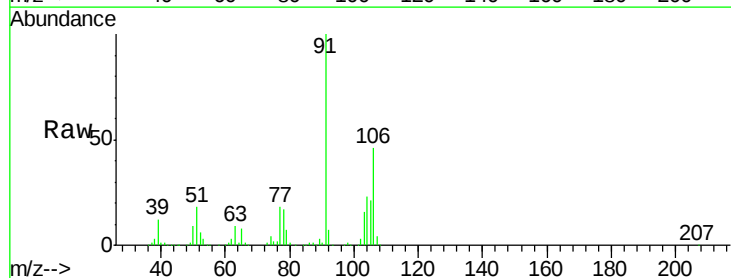
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

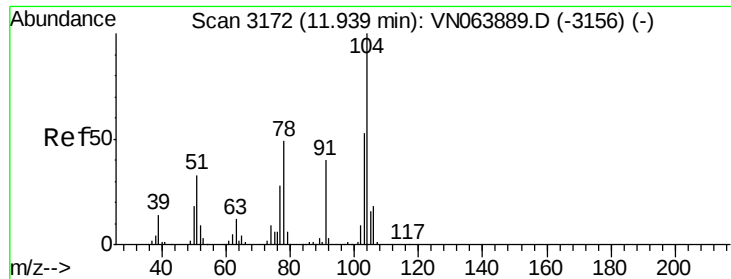
Tgt Ion:106 Resp: 636214
Ion Ratio Lower Upper
106 100
91 214.4 169.2 253.8



#68
o-Xylene
Concen: 52.499 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion:106 Resp: 307266
Ion Ratio Lower Upper
106 100
91 221.3 113.1 339.4

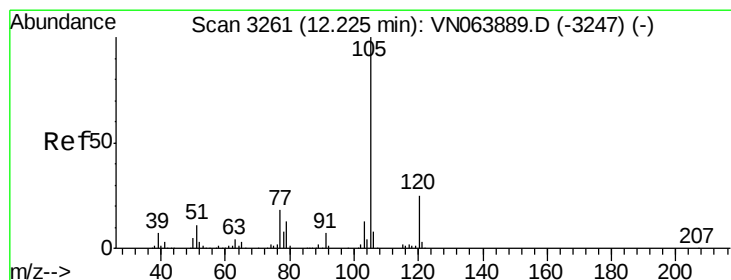
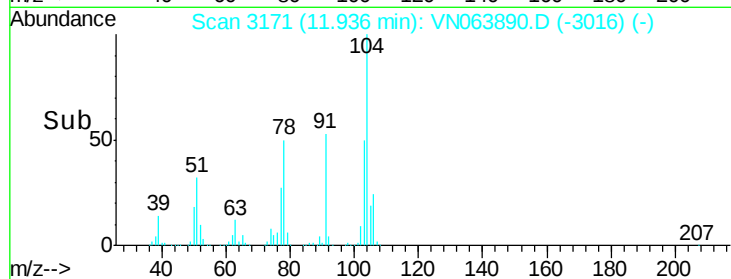
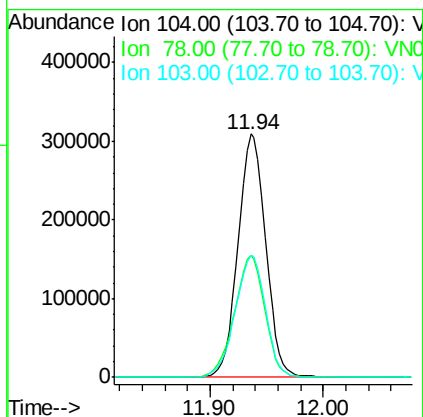
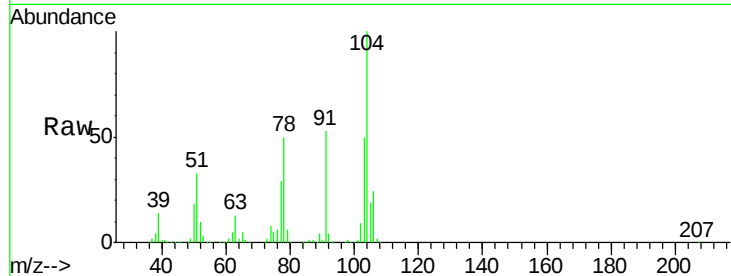




#69
Styrene
Concen: 51.984 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

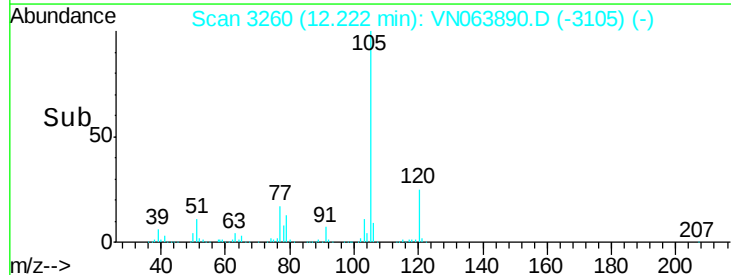
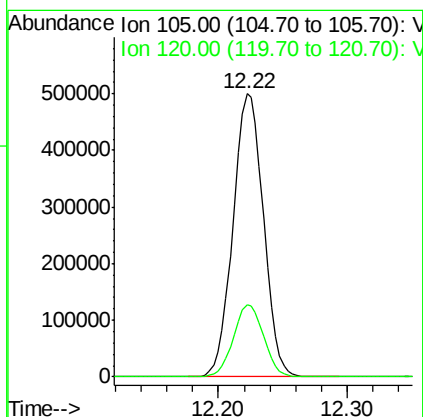
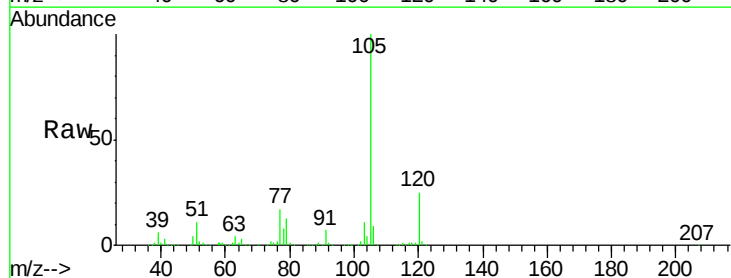
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

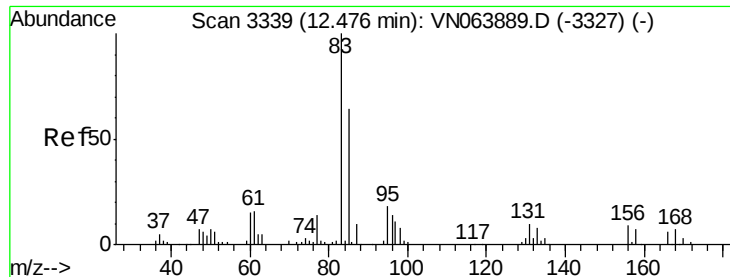
Tgt Ion:104 Resp: 528878
Ion Ratio Lower Upper
104 100
78 54.9 42.9 64.3
103 54.6 44.6 66.8



#70
Isopropylbenzene
Concen: 51.723 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion:105 Resp: 819972
Ion Ratio Lower Upper
105 100
120 25.4 17.8 33.1

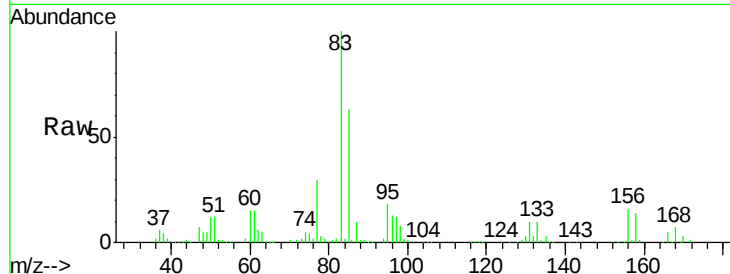




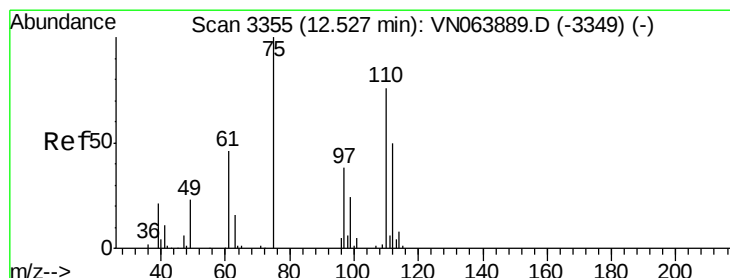
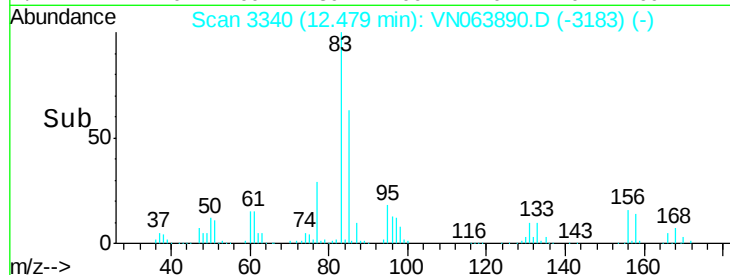
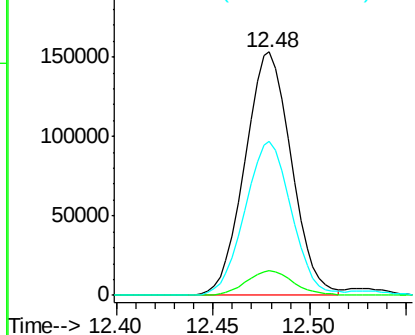
#71
 1,1,2,2-Tetrachloroethane
 Concen: 50.896 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion: 83 Resp: 255964
 Ion Ratio Lower Upper
 83 100
 131 10.3 5.4 16.2
 85 63.3 32.3 96.8

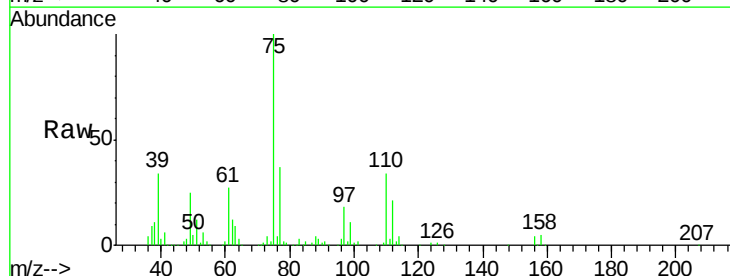


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

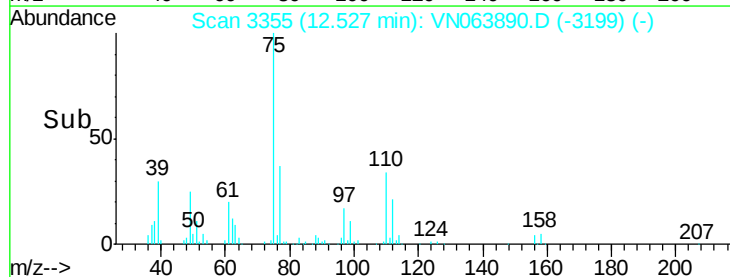
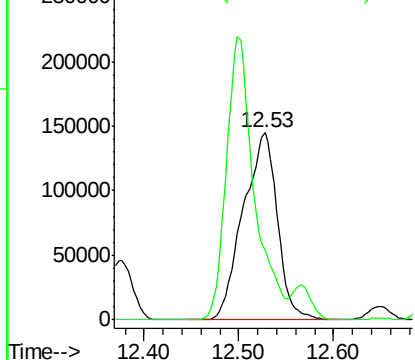


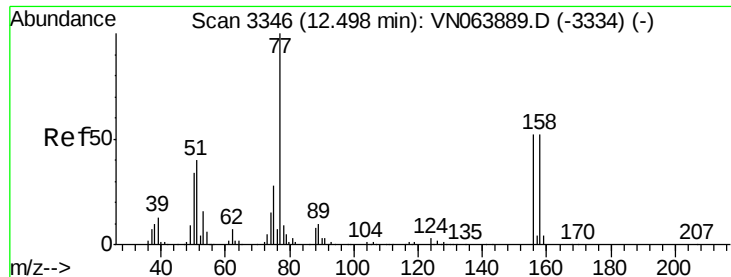
#72
 1,2,3-Trichloropropane
 Concen: 78.735 ug/l
 RT: 12.53 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Tgt Ion: 75 Resp: 365197
 Ion Ratio Lower Upper
 75 100
 77 123.0 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: 48.599 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

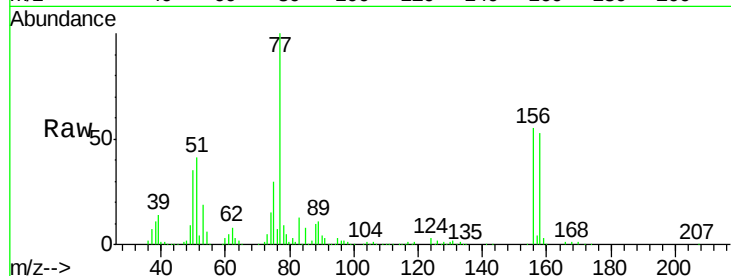
Tgt Ion:156 Resp: 204158

Ion Ratio Lower Upper

156 100

77 220.0 0.0 456.4

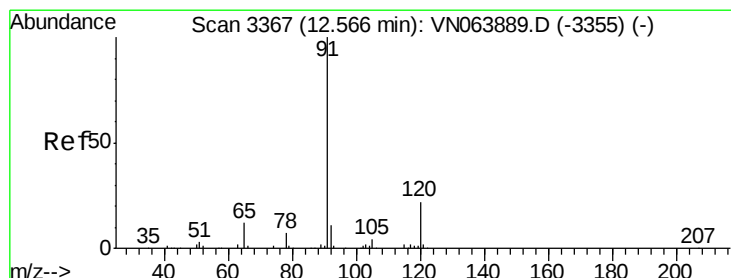
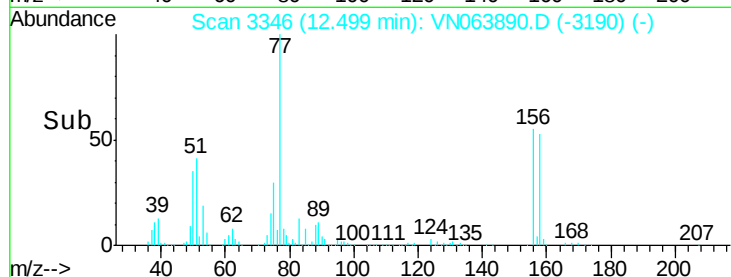
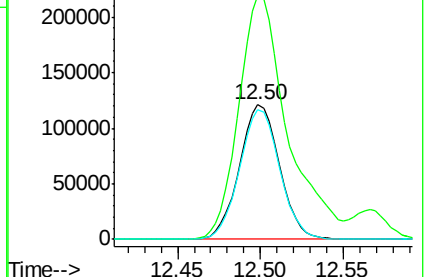
158 96.2 0.0 200.4



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: 50.531 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063890.D

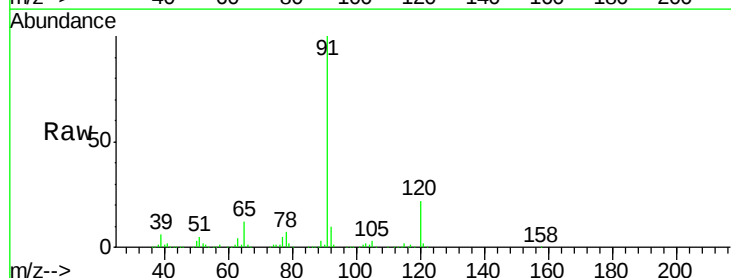
Acq: 6 Oct 2020 11:15

Tgt Ion: 91 Resp: 956675

Ion Ratio Lower Upper

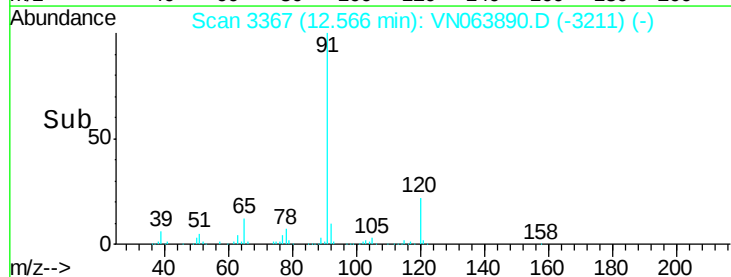
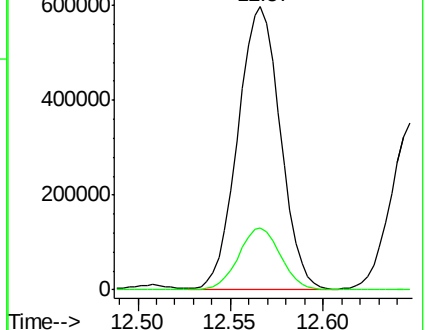
91 100

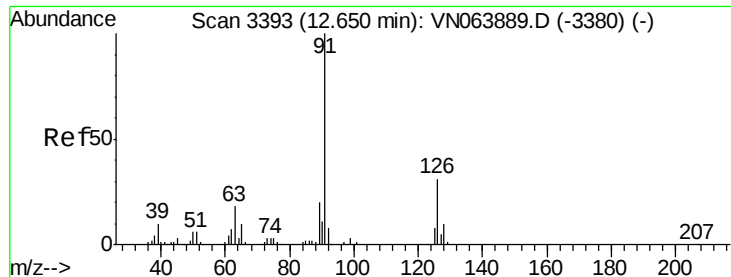
120 21.7 0.0 42.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 51.643 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

ClientSampled :

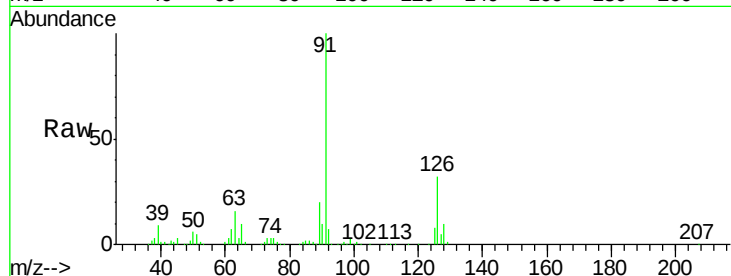
VSTDIC050

Tgt Ion: 91 Resp: 584928

Ion Ratio Lower Upper

91 100

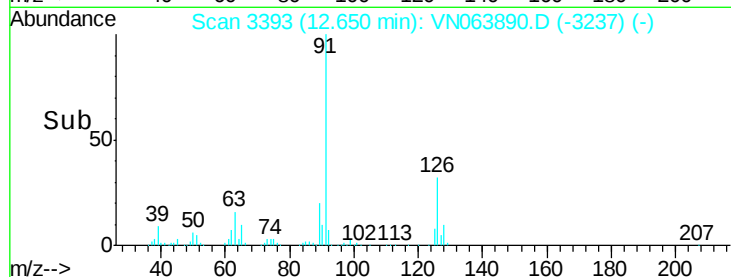
126 31.5 0.0 63.4



Abundance Ion 91.00 (90.70 to 91.70): VN063889.D (-3380) (-)

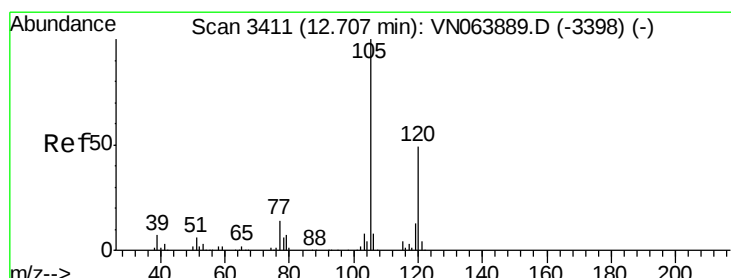
Ion 126.00 (125.70 to 126.70): VN063889.D (-3380) (-)

Time-->



Abundance

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 51.854 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063890.D

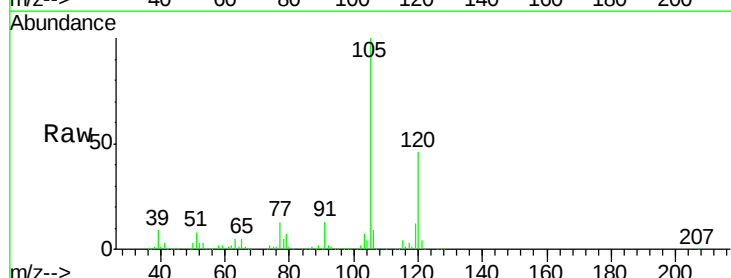
Acq: 6 Oct 2020 11:15

Tgt Ion: 105 Resp: 698746

Ion Ratio Lower Upper

105 100

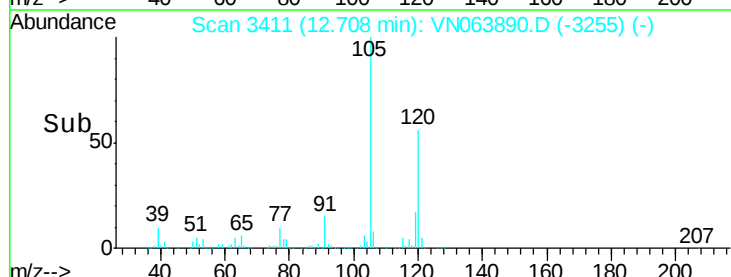
120 45.8 0.0 94.2



Abundance Ion 105.00 (104.70 to 105.70): VN063889.D (-3398) (-)

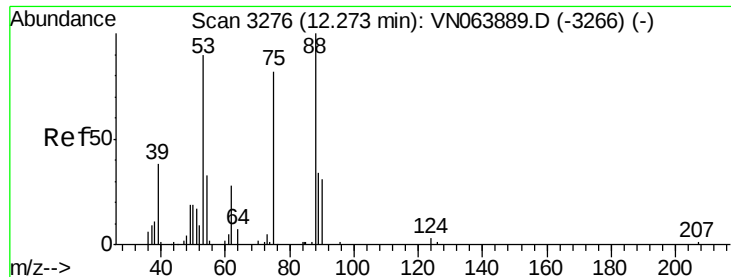
Ion 120.00 (119.70 to 120.70): VN063889.D (-3398) (-)

Time-->



Abundance

Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 58.468 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

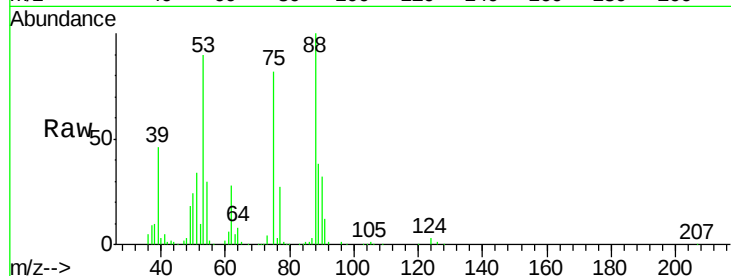
Tgt Ion: 75 Resp: 95732

Ion Ratio Lower Upper

75 100

53 109.7 55.3 165.9

89 46.2 21.9 65.8

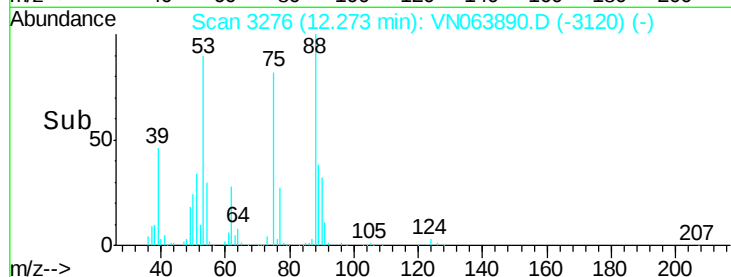


Abundance Ion 75.00 (74.70 to 75.70): VN063889.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN063889.D (-3266) (-)

Ion 89.00 (88.70 to 89.70): VN063889.D (-3266) (-)

Time--> 12.20 12.25 12.30 12.35

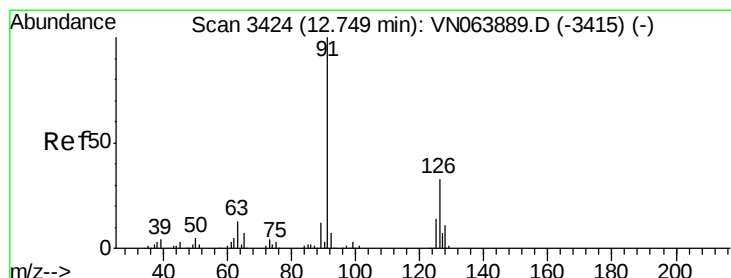


Abundance Ion 75.00 (74.70 to 75.70): VN063890.D (-3120) (-)

Ion 53.00 (52.70 to 53.70): VN063890.D (-3120) (-)

Ion 89.00 (88.70 to 89.70): VN063890.D (-3120) (-)

Time--> 12.20 12.25 12.30 12.35



#78

4-Chlorotoluene

Concen: 52.644 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN063890.D

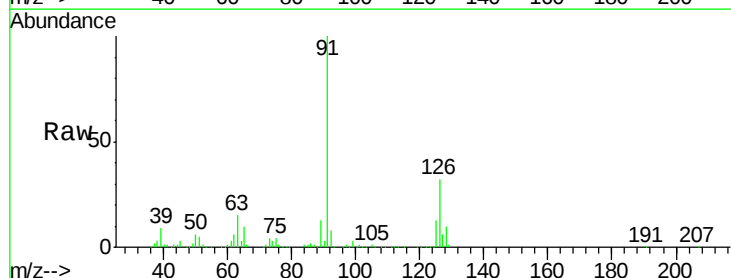
Acq: 6 Oct 2020 11:15

Tgt Ion: 91 Resp: 618730

Ion Ratio Lower Upper

91 100

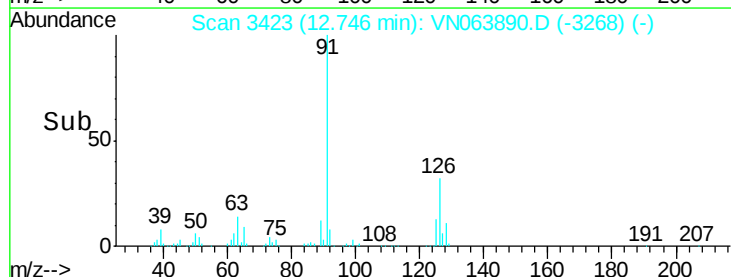
126 31.1 0.0 62.6



Abundance Ion 91.00 (90.70 to 91.70): VN063889.D (-3415) (-)

Ion 126.00 (125.70 to 126.70): VN063889.D (-3415) (-)

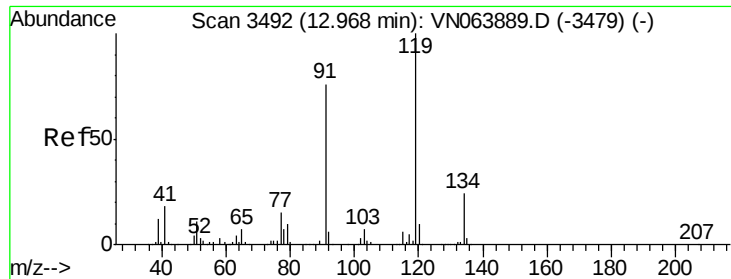
Time--> 12.70 12.75 12.80



Abundance Ion 91.00 (90.70 to 91.70): VN063890.D (-3268) (-)

Ion 126.00 (125.70 to 126.70): VN063890.D (-3268) (-)

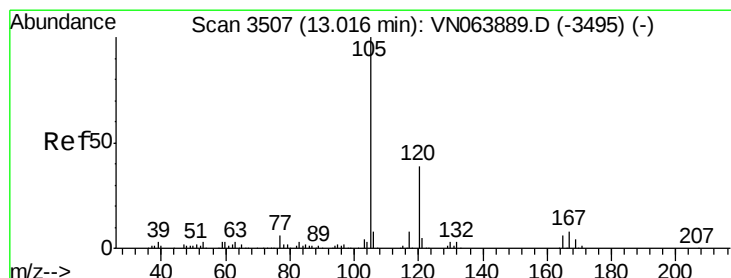
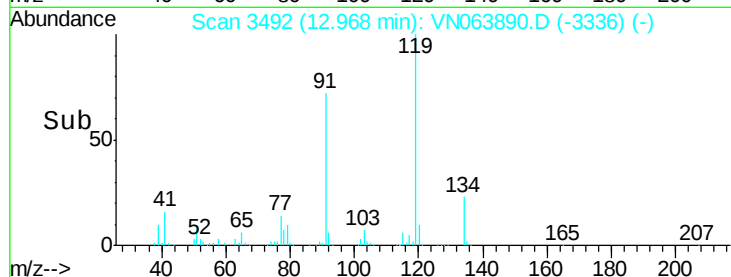
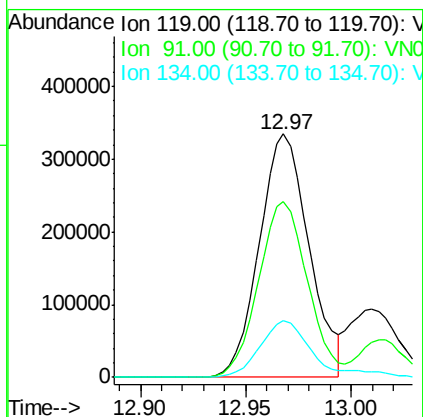
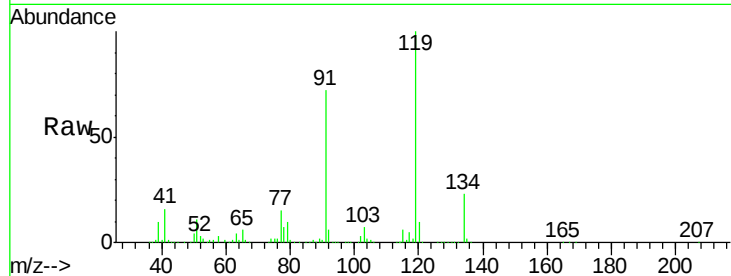
Time--> 12.70 12.75 12.80



#79
tert-butylbenzene
Concen: 48.800 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

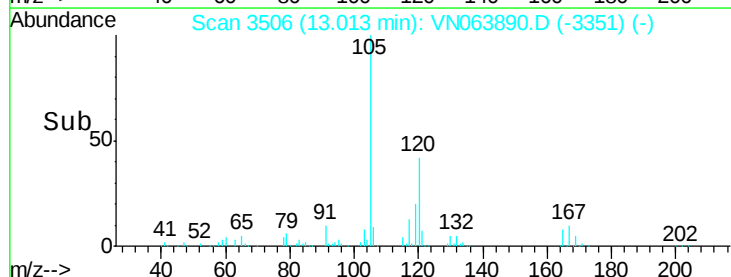
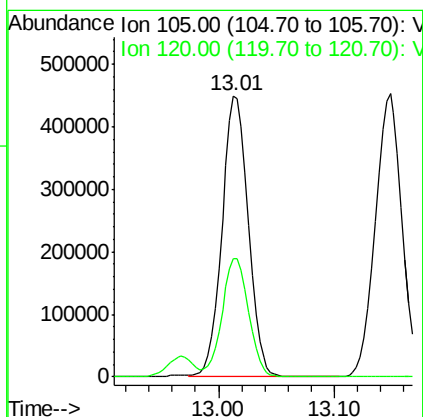
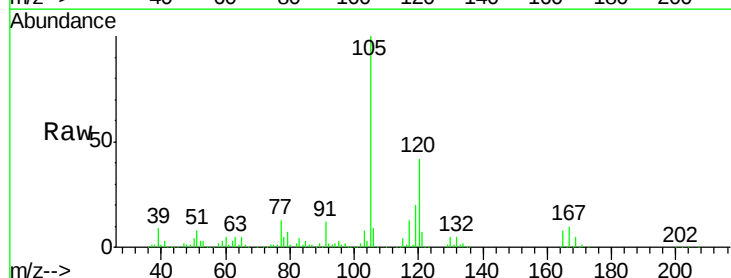
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

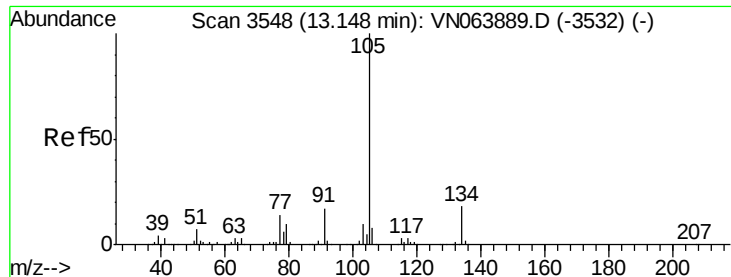
Tgt Ion:119 Resp: 549520
Ion Ratio Lower Upper
119 100
91 71.4 0.0 145.6
134 24.8 0.0 47.8



#80
1,2,4-Trimethylbenzene
Concen: 53.391 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion:105 Resp: 707249
Ion Ratio Lower Upper
105 100
120 42.8 0.0 85.4

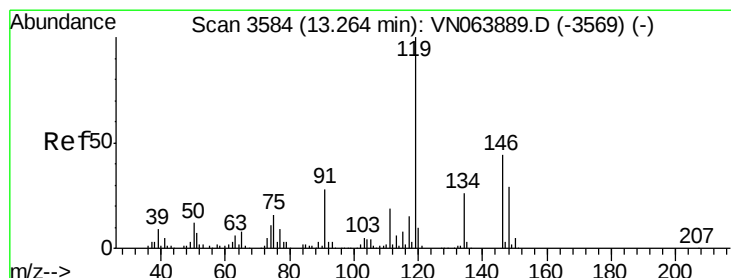
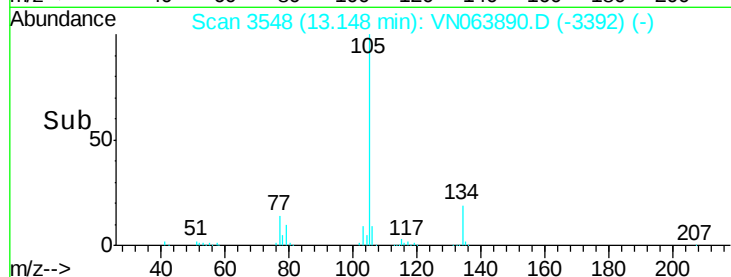
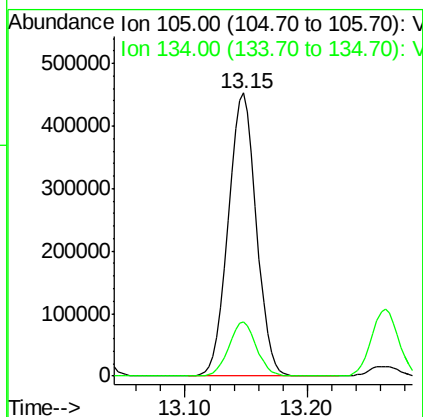
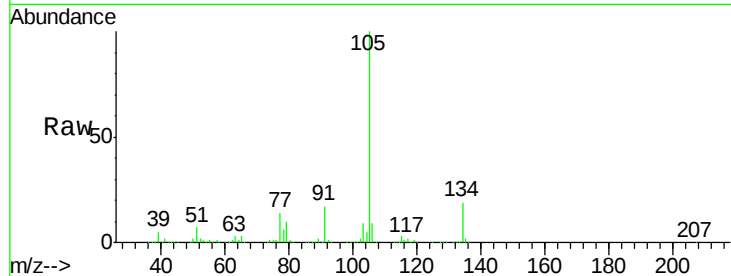




#81
 sec-Butylbenzene
 Concen: 47.281 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

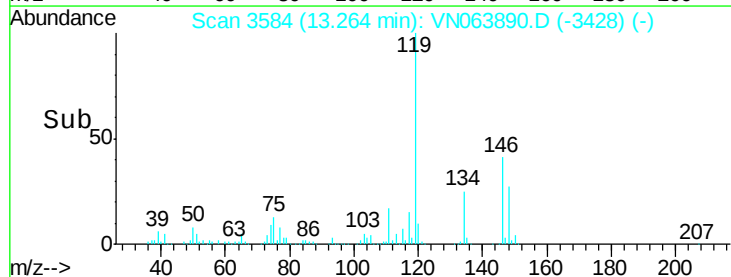
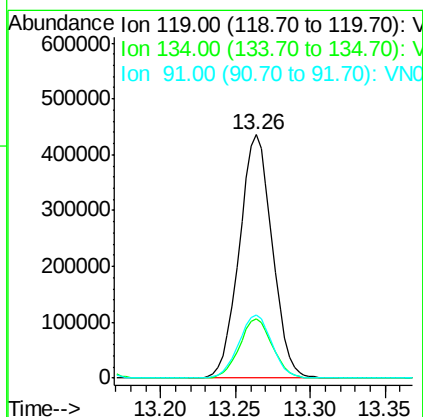
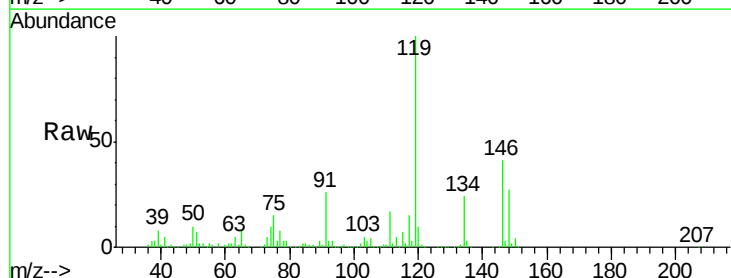
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

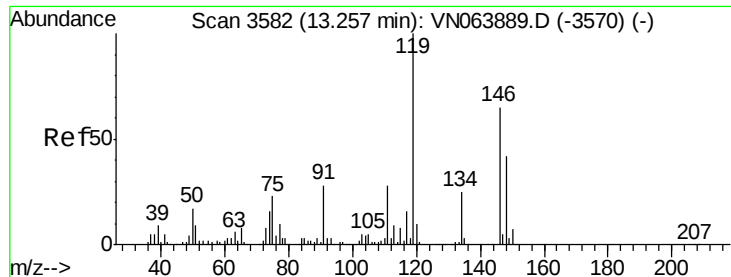
Tgt Ion:105 Resp: 727882
 Ion Ratio Lower Upper
 105 100
 134 18.8 0.0 36.8



#82
 p-Isopropyltoluene
 Concen: 48.700 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Tgt Ion:119 Resp: 665776
 Ion Ratio Lower Upper
 119 100
 134 24.5 0.0 50.6
 91 26.1 0.0 55.2

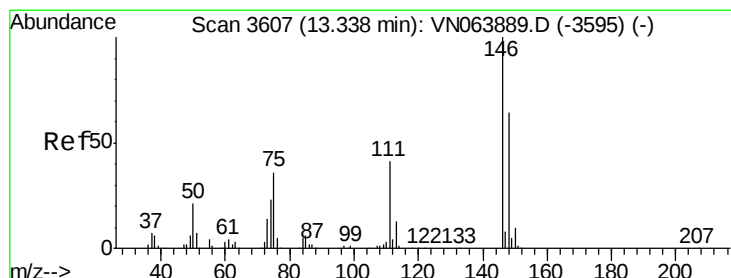
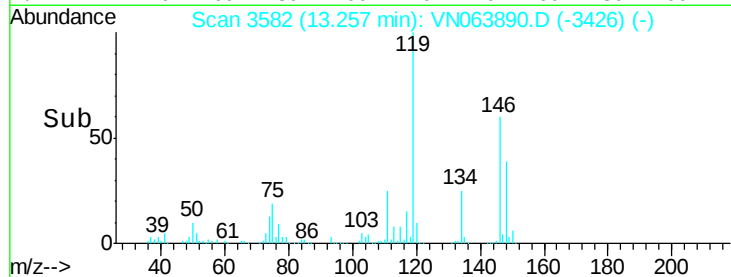
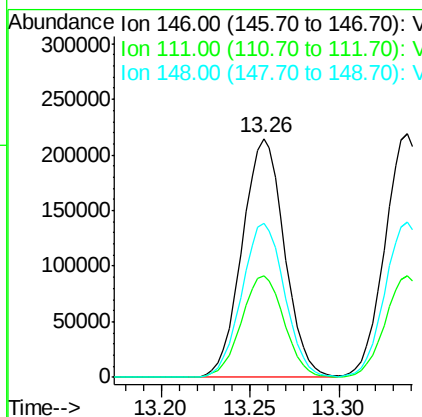
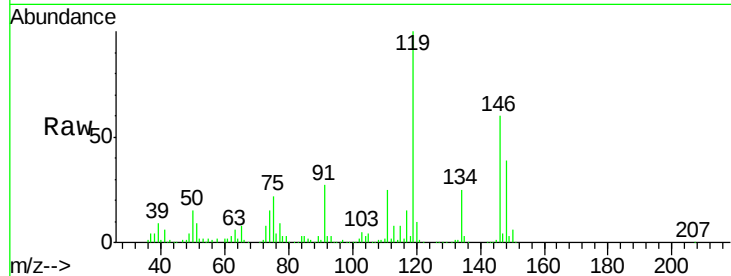




#83
 1,3-Dichlorobenzene
 Concen: 48.159 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

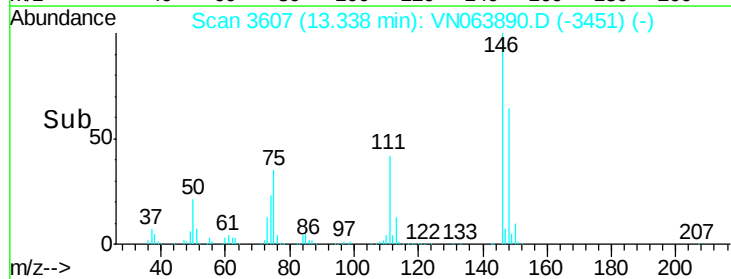
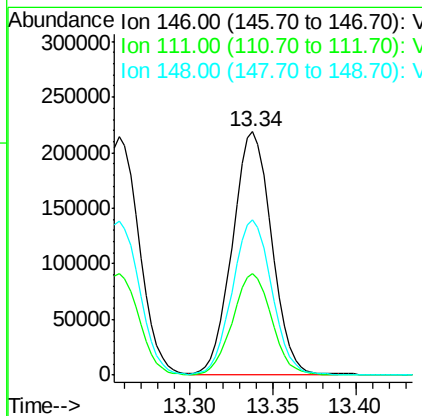
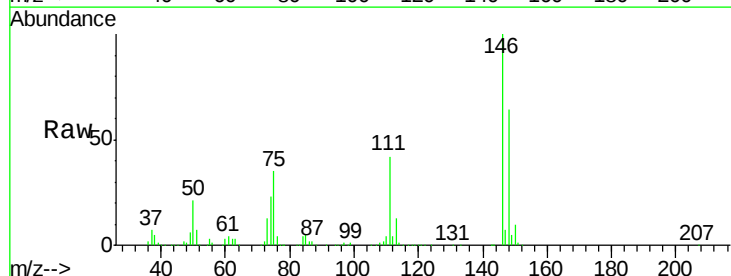
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

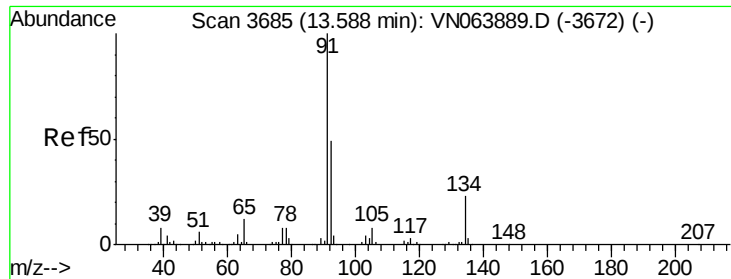
Tgt Ion:146 Resp: 355283
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.6 64.8
 148 65.3 32.8 98.3



#84
 1,4-Dichlorobenzene
 Concen: 49.817 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Tgt Ion:146 Resp: 360811
 Ion Ratio Lower Upper
 146 100
 111 41.0 19.8 59.4
 148 63.9 32.6 98.0

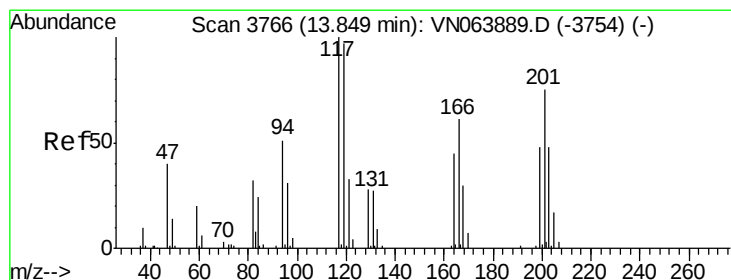
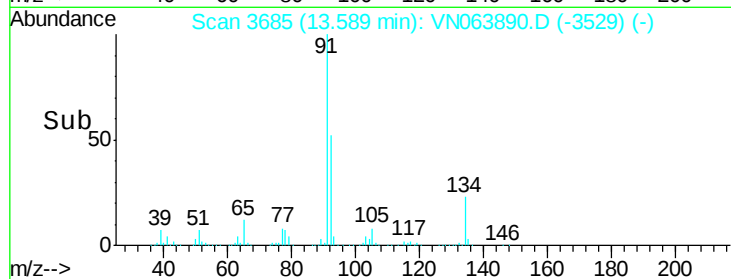
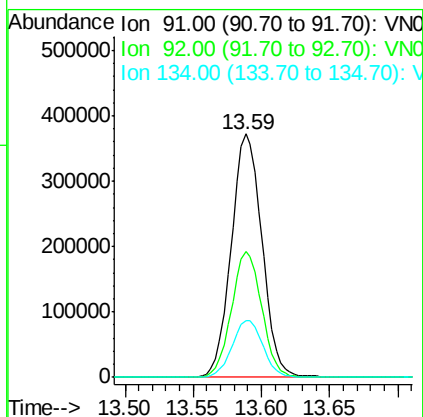
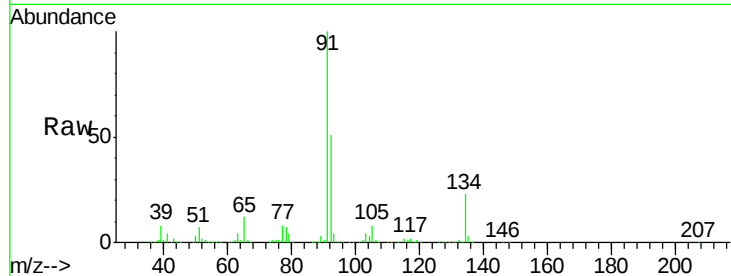




#85
n-Butylbenzene
Concen: 50.242 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

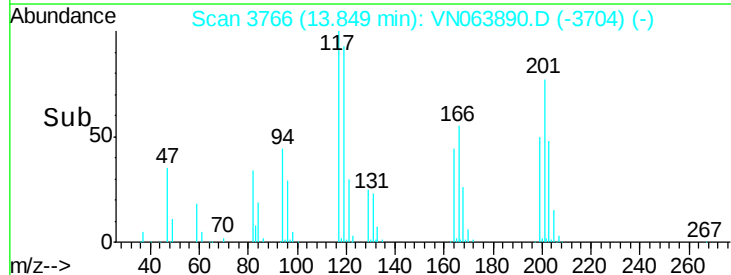
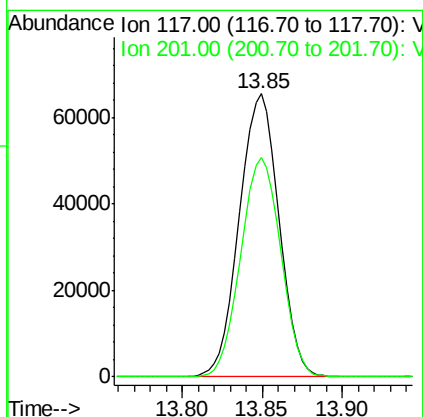
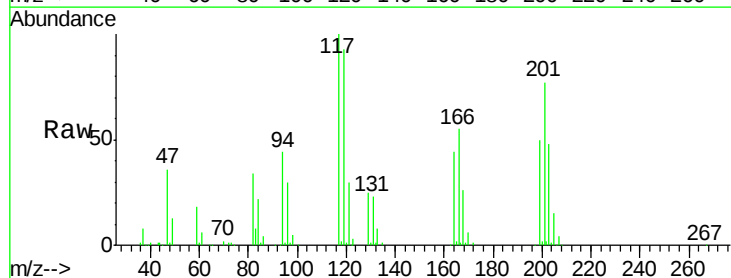
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

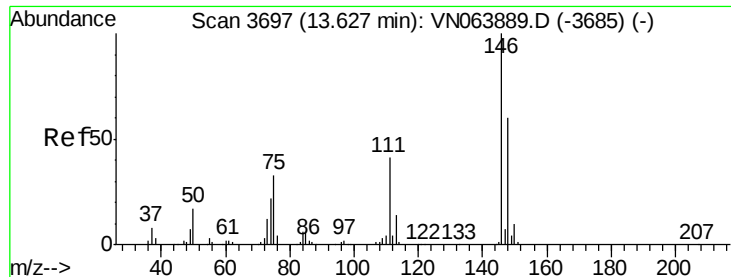
Tgt Ion: 91 Resp: 582582
Ion Ratio Lower Upper
91 100
92 50.9 0.0 98.2
134 23.4 0.0 45.8



#86
Hexachloroethane
Concen: 42.334 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion: 117 Resp: 110750
Ion Ratio Lower Upper
117 100
201 78.3 36.6 109.9

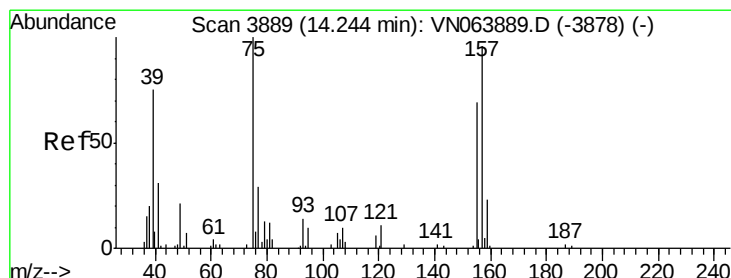
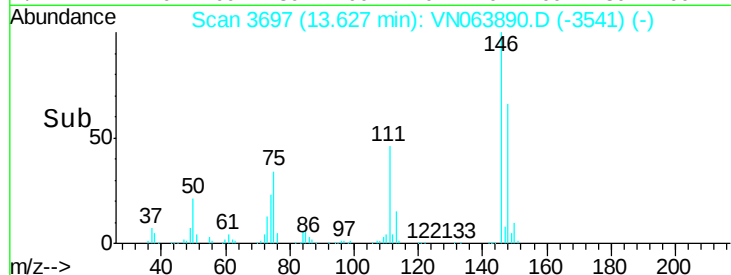
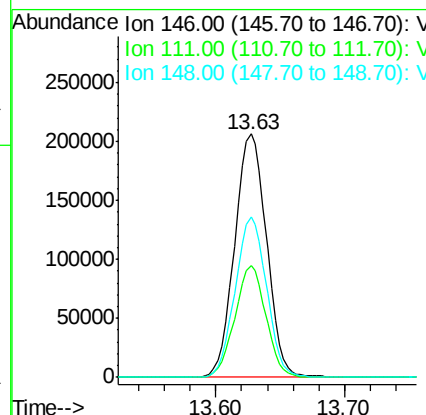
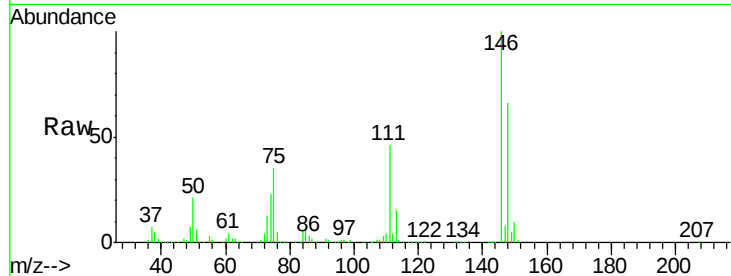




#87
 1,2-Dichlorobenzene
 Concen: 49.857 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

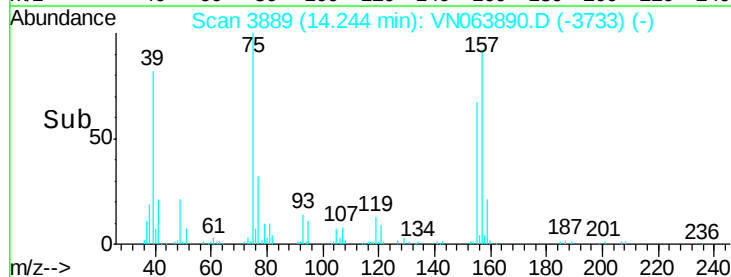
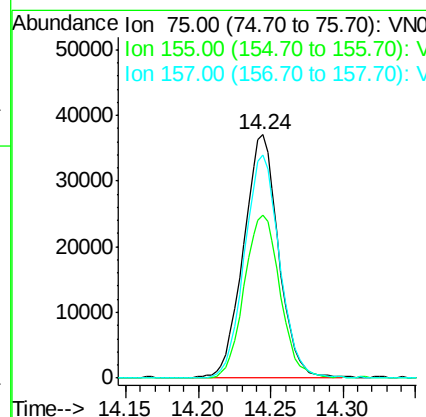
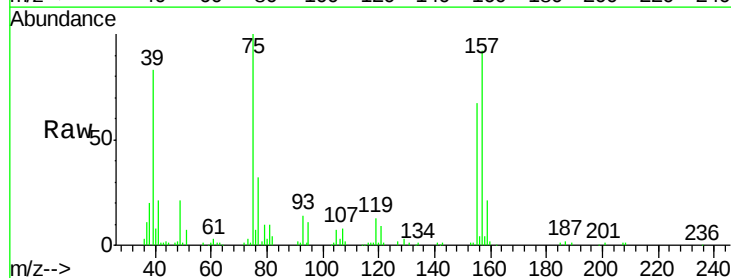
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

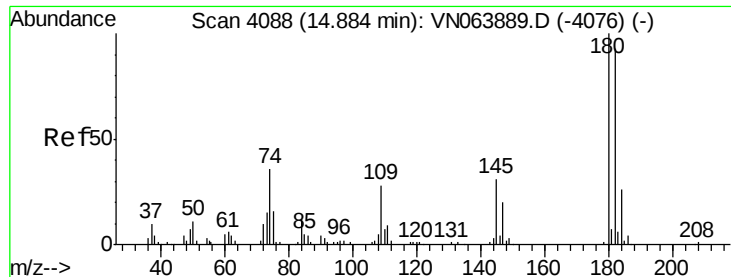
Tgt Ion: 146 Resp: 354457
 Ion Ratio Lower Upper
 146 100
 111 44.7 21.3 63.7
 148 64.8 31.6 95.0



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 70.267 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Tgt Ion: 75 Resp: 62459
 Ion Ratio Lower Upper
 75 100
 155 68.2 55.4 83.2
 157 91.6 73.6 110.4

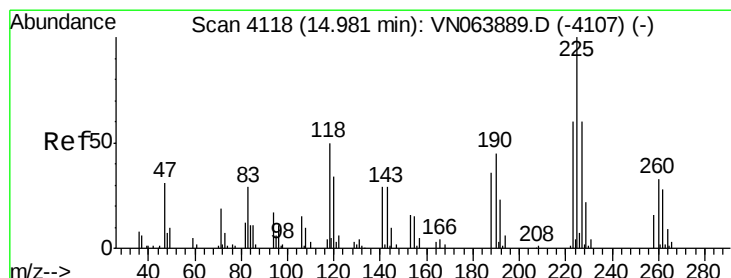
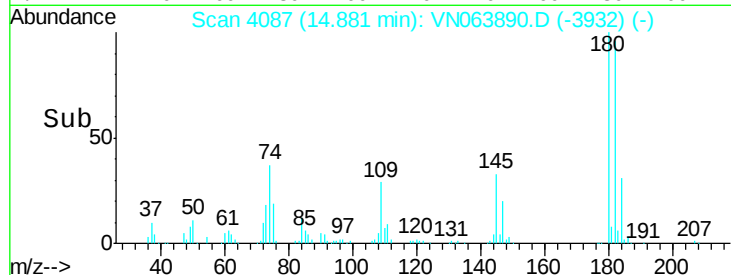
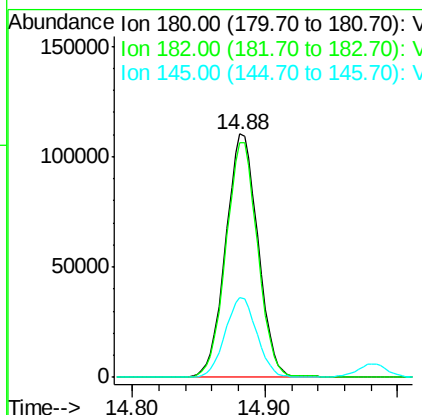
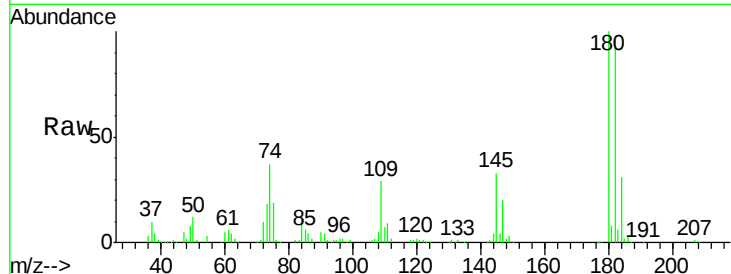




#89
 1,2,4-Trichlorobenzene
 Concen: 52.079 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

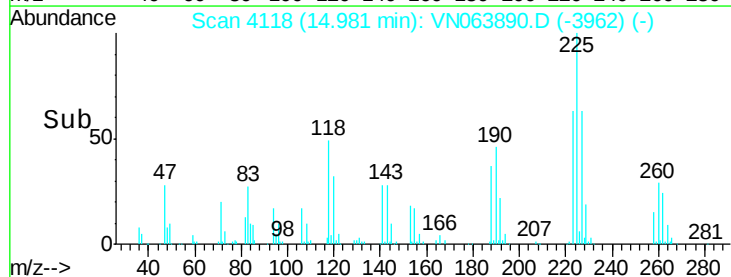
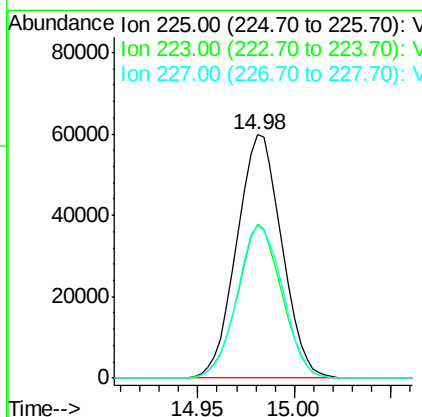
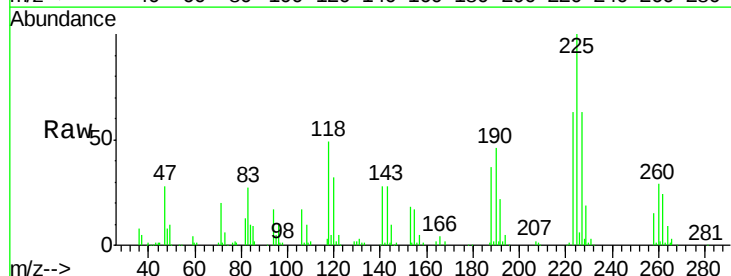
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

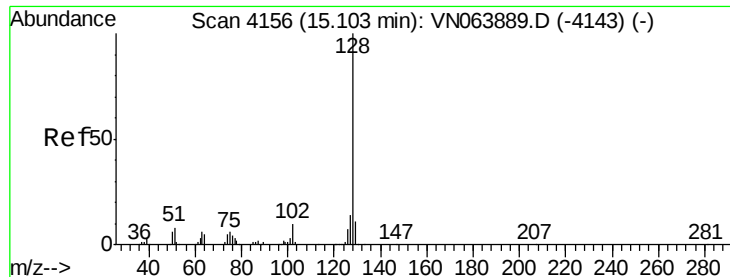
Tgt Ion:180 Resp: 186891
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.8 115.2
 145 32.1 26.0 39.0



#90
 Hexachlorobutadiene
 Concen: 39.113 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Tgt Ion:225 Resp: 96955
 Ion Ratio Lower Upper
 225 100
 223 62.0 0.0 124.8
 227 63.3 0.0 121.4

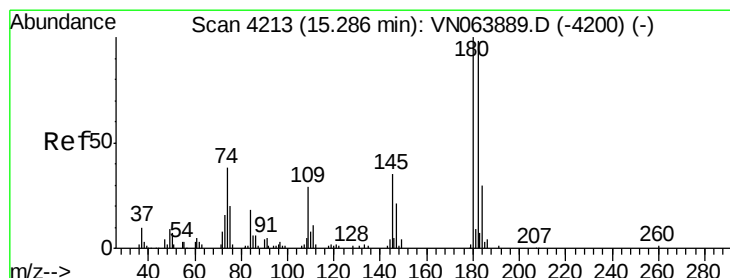
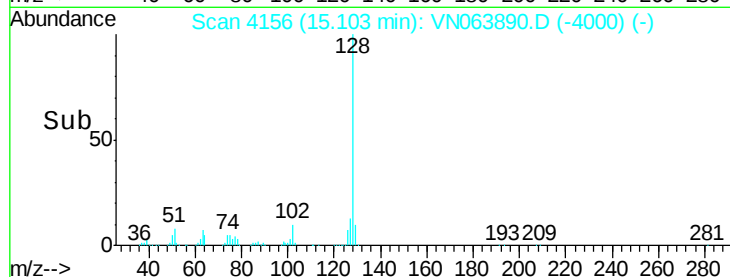
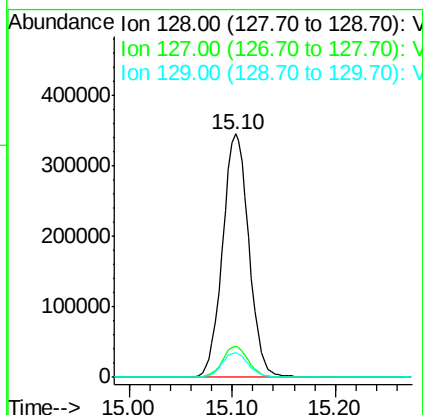
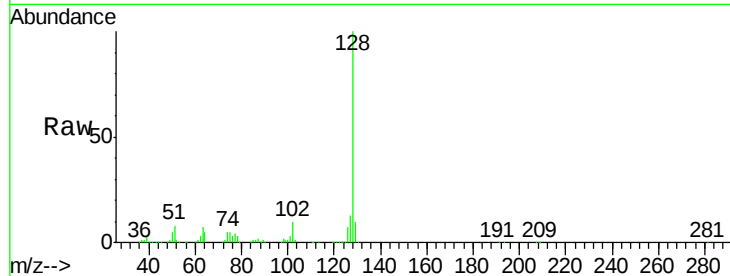




#91
Naphthalene
Concen: 70.735 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:128 Resp: 612712
Ion Ratio Lower Upper
128 100
127 12.7 10.6 15.8
129 10.3 8.5 12.7



#92
1,2,3-Trichlorobenzene
Concen: 51.691 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion:180 Resp: 184221
Ion Ratio Lower Upper
180 100
182 96.6 0.0 196.0
145 34.8 0.0 71.0

