

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063908.D
 Acq On : 6 Oct 2020 21:06
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Oct 07 04:16:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 16:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	52961	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	284836	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	262712	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	142972	30.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.20%
60) 4-Bromofluorobenzene	12.38	95	130613	29.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.90%
63) Toluene-d8	10.06	98	361885	30.40	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	68106	19.000 ug/l	97
3) Chloromethane	2.04	50	67386	18.166 ug/l	100
4) Vinyl Chloride	2.17	62	67646	18.331 ug/l	99
5) Bromomethane	2.54	94	35662	15.014 ug/l	99
6) Chloroethane	2.68	64	40161	17.348 ug/l	98
7) Trichlorofluoromethane	2.99	101	106876	18.347 ug/l	96
8) Diethyl Ether	3.38	74	32803	17.391 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	53114	17.547 ug/l #	71
10) 1,1-Dichloroethene	3.70	96	51137	17.994 ug/l	92
11) Methyl Iodide	3.91	142	50404	13.900 ug/l	91
12) Methyl Acetate	4.28	43	59668	17.060 ug/l	96
13) Acrolein	3.57	56	35091	103.075 ug/l	98
14) Acrylonitrile	4.93	53	112992	78.573 ug/l	92
15) Acetone	3.78	58	32102	77.119 ug/l #	61
16) Carbon Disulfide	4.02	76	147636	17.517 ug/l	99
17) Allyl chloride	4.28	41	95604	18.074 ug/l	88
18) Methylene Chloride	4.50	84	60253	17.688 ug/l	91
19) trans-1,2-Dichloroethene	5.00	96	56306	17.540 ug/l	96
20) Diisopropyl ether	5.90	45	183880	17.293 ug/l #	87
21) 1,1-Dichloroethane	5.80	63	114207	17.742 ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	64378	17.666 ug/l	96
23) tert-Butyl Alcohol	4.73	59	40849	66.222 ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	166245	17.437 ug/l #	86
25) Chloroform	7.33	83	117758	17.447 ug/l	98
26) Cyclohexane	7.61	56	81520	17.582 ug/l #	96
29) 1,1-Dichloropropene	7.75	75	82174	16.474 ug/l	98
30) 2-Butanone	6.78	43	182006	74.394 ug/l #	91
31) 2,2-Dichloropropane	6.78	77	90614	15.200 ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	108607	17.067 ug/l	96
33) Carbon Tetrachloride	7.73	117	92412	16.575 ug/l	95
34) Benzene	8.00	78	242780	17.119 ug/l	95
35) Methacrylonitrile	7.12	41	38542	16.575 ug/l	92
36) 1,2-Dichloroethane	8.09	62	105829	16.984 ug/l #	93
37) Trichloroethene	8.80	130	64676	17.405 ug/l	97
38) Methylcyclohexane	9.05	83	70275	16.686 ug/l	99
39) 1,2-Dichloropropane	9.08	63	66151	17.166 ug/l	98
40) Dibromomethane	9.17	93	44407	16.500 ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	94187	16.838	ug/l	99
42) Vinyl Acetate	5.85	43	827785	81.525	ug/l	98
43) Ethyl Acetate	6.88	43	82172	15.684	ug/l	94
44) Isopropyl Acetate	8.13	43	137962	15.889	ug/l #	89
45) 1,4-Dioxane	9.16	88	15263	274.179	ug/l	99
46) Methyl methacrylate	9.17	41	68971	15.966	ug/l	85
47) n-amyl Acetate	12.05	43	112674	14.595	ug/l	94
48) t-1,3-Dichloropropene	10.35	75	96531	15.970	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	101976	16.269	ug/l #	82
50) 1,1,2-Trichloroethane	10.53	97	58603	16.307	ug/l	98
51) Ethyl methacrylate	10.40	69	81586	15.651	ug/l #	74
52) 1,3-Dichloropropane	10.68	76	102121	16.589	ug/l	98
53) Dibromochloromethane	10.87	129	66240	16.015	ug/l	97
54) 1,2-Dibromoethane	10.98	107	61502	16.322	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	219273	78.828	ug/l	99
56) Bromoform	12.10	173	45331	15.816	ug/l	94
58) 4-Methyl-2-Pentanone	9.95	43	400573	78.566	ug/l	95
59) 2-Hexanone	10.72	43	284617	74.945	ug/l	94
61) Tetrachloroethene	10.60	164	58055	17.419	ug/l	89
62) Toluene	10.13	91	263251	17.447	ug/l	100
64) Chlorobenzene	11.41	112	159421	17.432	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	61389	17.164	ug/l	98
66) Ethyl Benzene	11.48	91	289294	17.460	ug/l	96
67) m/p-Xylenes	11.60	106	213378	34.631	ug/l	97
68) o-Xylene	11.92	106	99132	16.887	ug/l	93
69) Styrene	11.94	104	167504	16.723	ug/l	95
70) Isopropylbenzene	12.23	105	267610	17.156	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.48	83	82742	16.781	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	112410	22.358	ug/l	59
73) Bromobenzene	12.50	156	66562	16.836	ug/l	89
74) n-propylbenzene	12.57	91	308521	16.919	ug/l	99
75) 2-Chlorotoluene	12.65	91	192685	17.323	ug/l	96
76) 1,3,5-Trimethylbenzene	12.71	105	227280	17.278	ug/l	98
77) t-1,4-Dichloro-2-butene	12.28	75	25124	14.049	ug/l	86
78) 4-Chlorotoluene	12.75	91	197422	16.761	ug/l	100
79) tert-butylbenzene	12.97	119	180486	17.127	ug/l	96
80) 1,2,4-Trimethylbenzene	13.02	105	221703	16.813	ug/l	97
81) sec-Butylbenzene	13.15	105	233357	16.847	ug/l	98
82) p-Isopropyltoluene	13.26	119	206656	16.507	ug/l	96
83) 1,3-Dichlorobenzene	13.26	146	116723	16.600	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	113054	16.186	ug/l	96
85) n-Butylbenzene	13.59	91	170333	15.551	ug/l	98
86) Hexachloroethane	13.85	117	35422	16.417	ug/l	84
87) 1,2-Dichlorobenzene	13.63	146	114550	16.602	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.25	75	16592	14.083	ug/l	94
89) 1,2,4-Trichlorobenzene	14.88	180	53118	15.145	ug/l	98
90) Hexachlorobutadiene	14.98	225	32503	17.498	ug/l	97
91) Naphthalene	15.10	128	157106	14.644	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	52816	15.461	ug/l	96

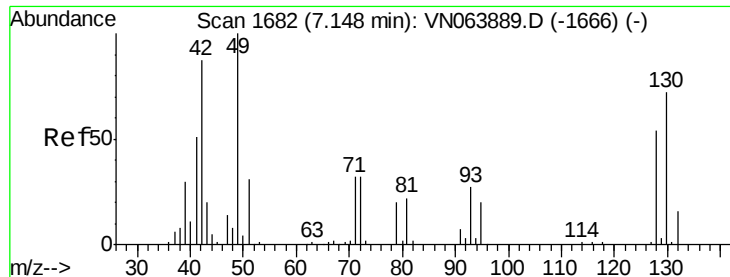
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

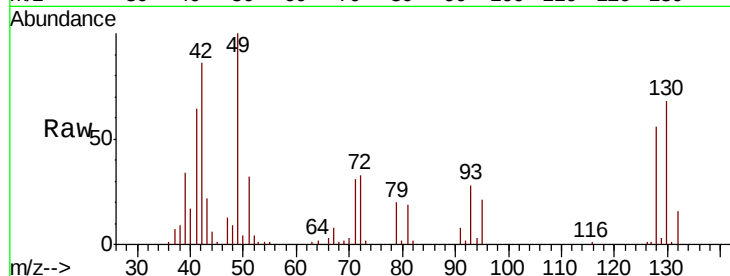
Tot Ion:128 Resp: 52961

Ion Ratio Lower Upper

128 100

49 183.6 0.0 437.5

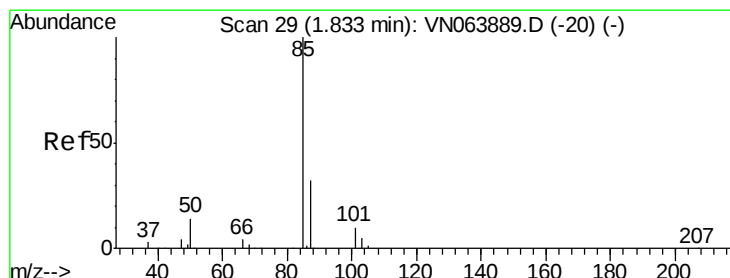
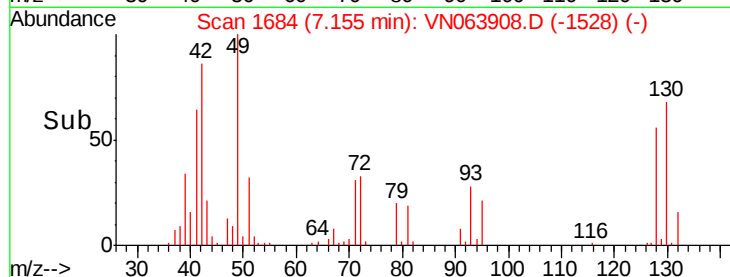
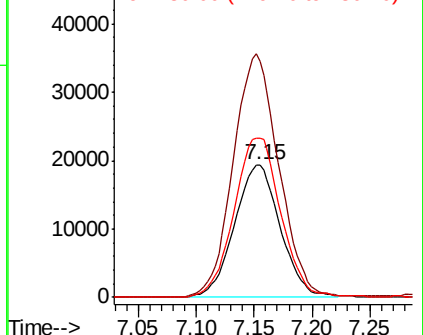
130 123.3 0.0 327.3



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: 19.000 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063908.D

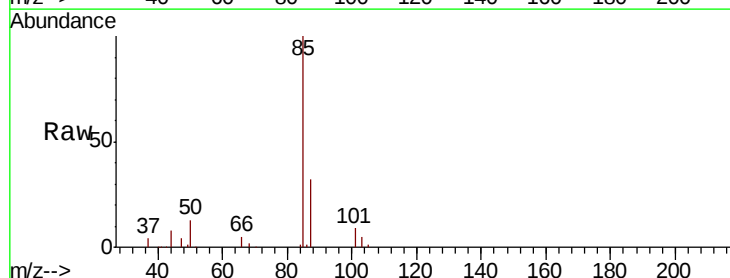
Acq: 6 Oct 2020 21:06

Tgt Ion: 85 Resp: 68106

Ion Ratio Lower Upper

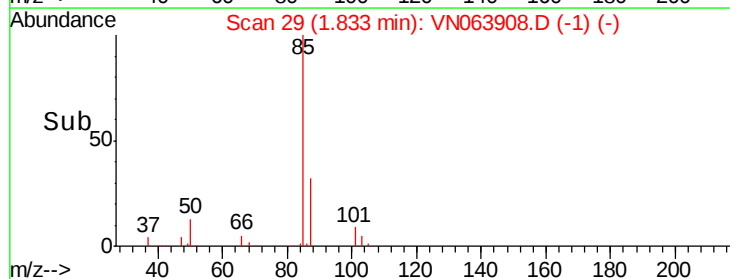
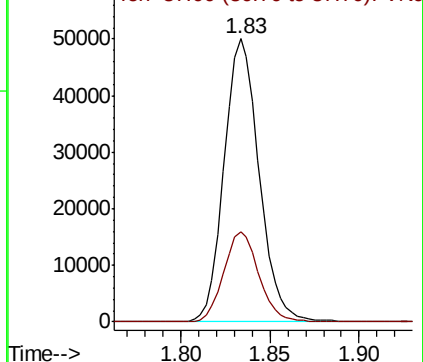
85 100

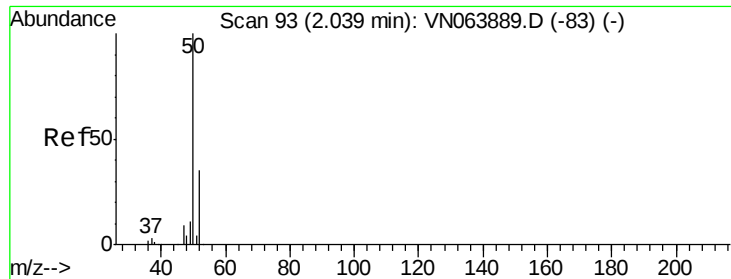
87 31.8 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 18.166 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

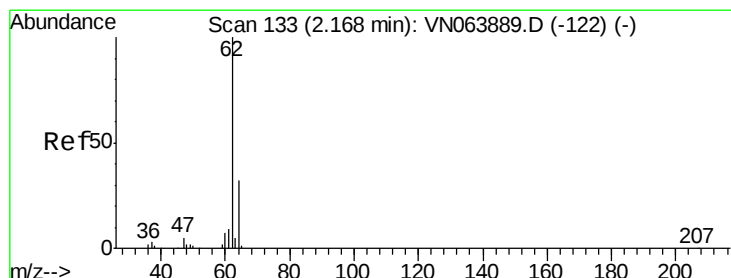
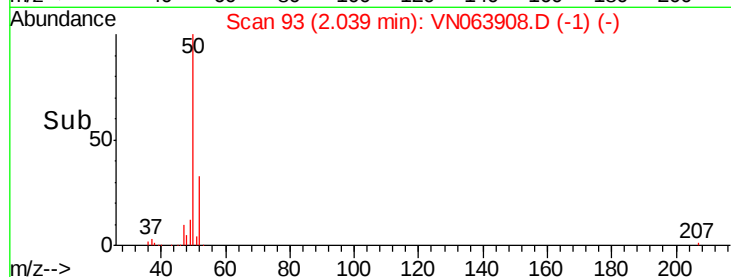
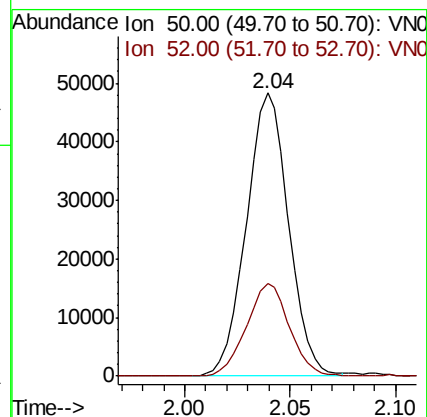
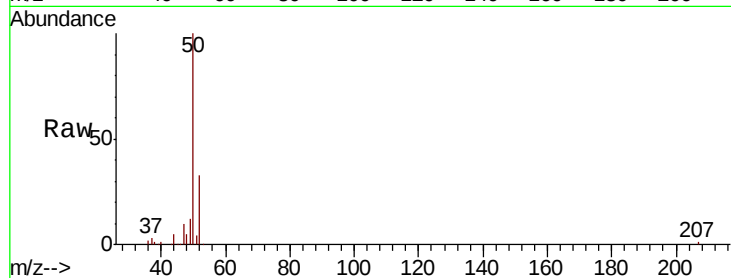
VSTDCCC020EC

Tot Ion: 50 Resp: 67386

Ion Ratio Lower Upper

50 100

52 32.6 26.0 39.0



#4

Vinyl Chloride

Concen: 18.331 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.01 min

Lab File: VN063908.D

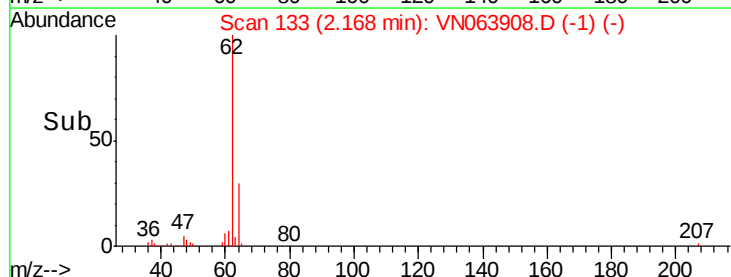
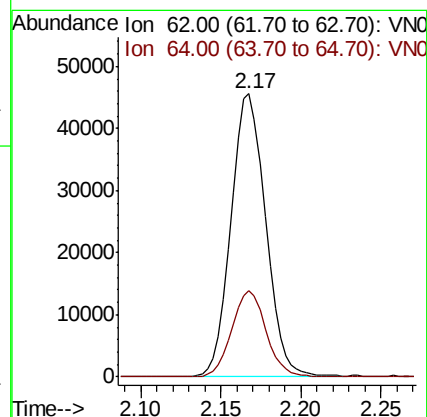
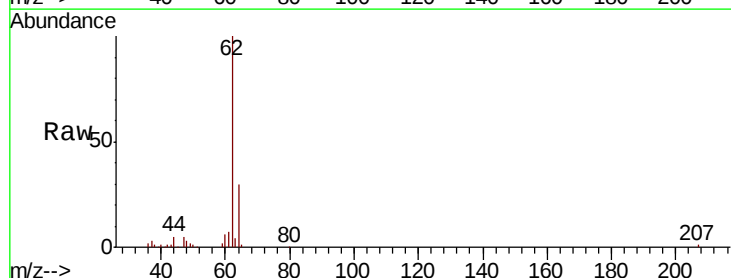
Acq: 6 Oct 2020 21:06

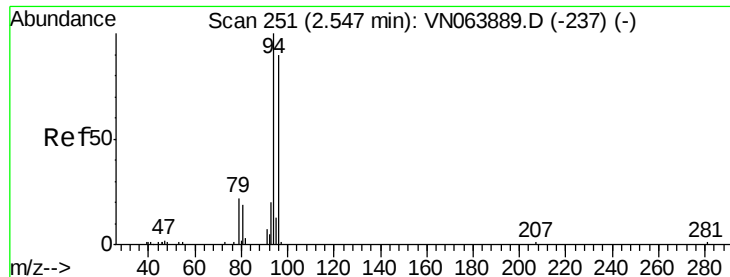
Tgt Ion: 62 Resp: 67646

Ion Ratio Lower Upper

62 100

64 30.4 25.0 37.4





#5

Bromomethane

Concen: 15.014 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

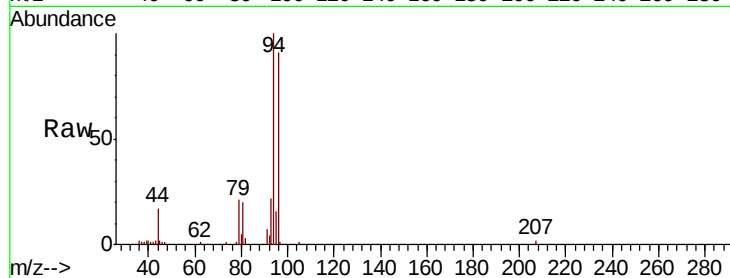
VSTDCCC020EC

Tot Ion: 94 Resp: 35662

Ion Ratio Lower Upper

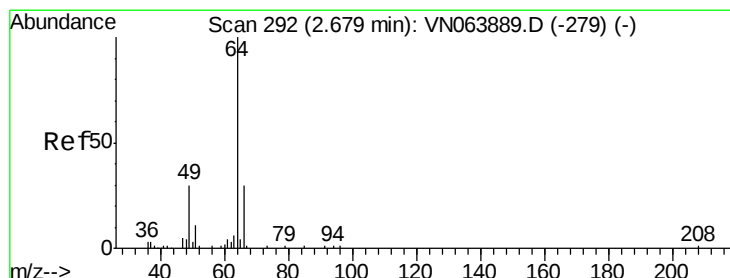
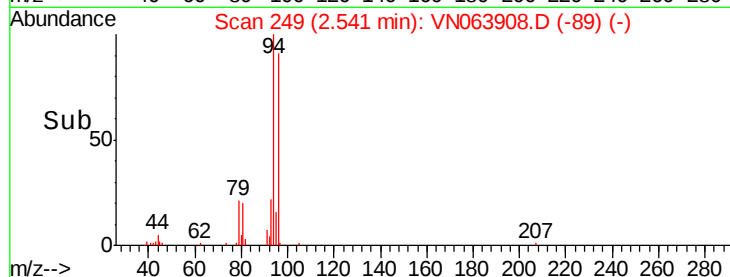
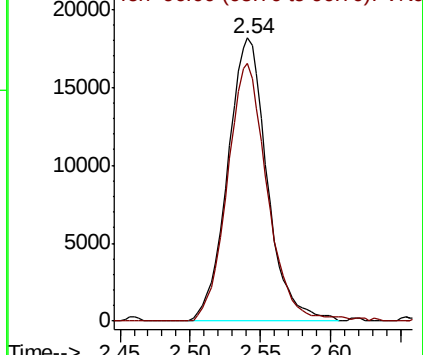
94 100

96 91.2 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 17.348 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN063908.D

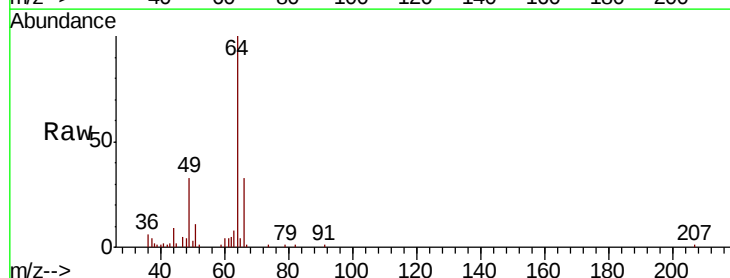
Acq: 6 Oct 2020 21:06

Tgt Ion: 64 Resp: 40161

Ion Ratio Lower Upper

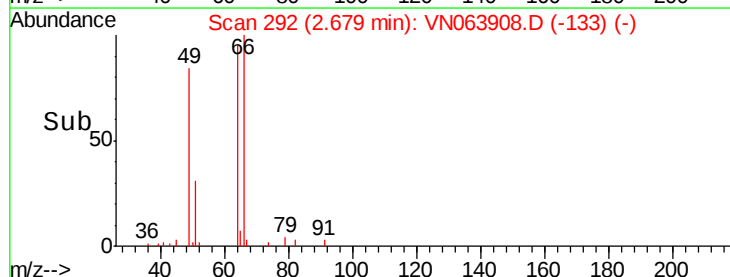
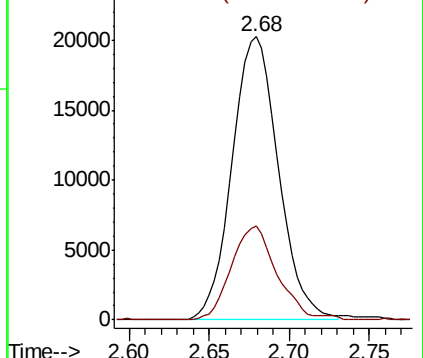
64 100

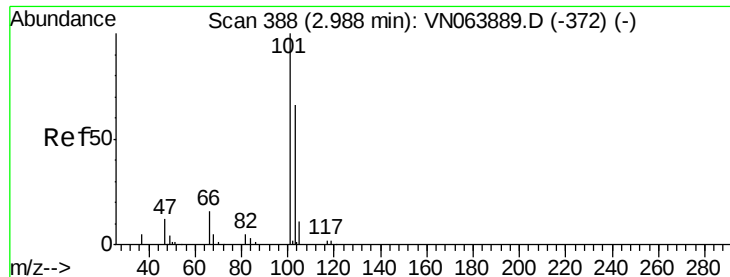
66 33.4 25.8 38.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

Trichlorofluoromethane

Concen: 18.347 ug/l

RT: 2.99 min Scan# 389

Delta R.T. 0.01 min

Lab File: VN063908.D

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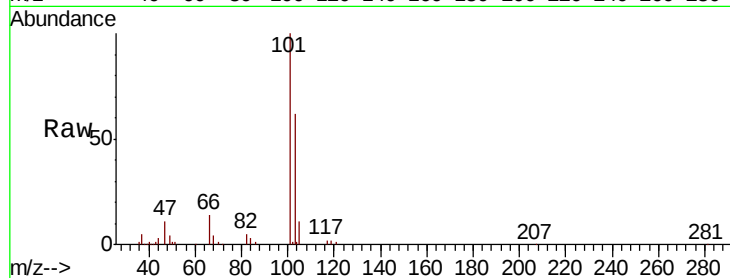
VSTDCCC020EC

Tot Ion:101 Resp: 106876

Ion Ratio Lower Upper

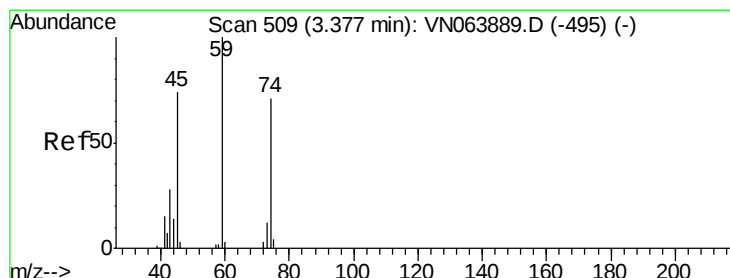
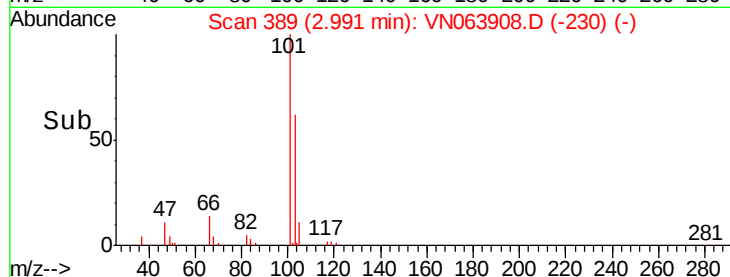
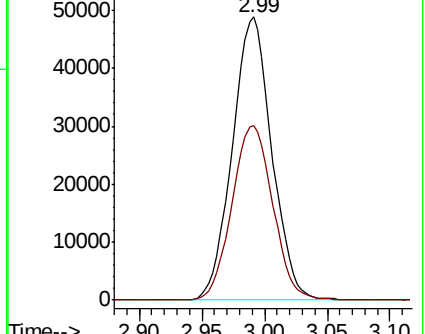
101 100

103 61.6 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 17.391 ug/l

RT: 3.38 min Scan# 509

Delta R.T. 0.00 min

Lab File: VN063908.D

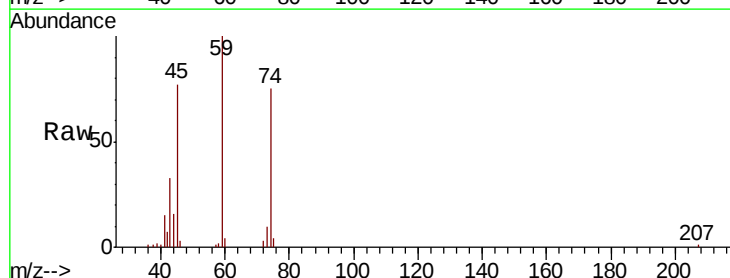
Acq: 6 Oct 2020 21:06

Tgt Ion: 74 Resp: 32803

Ion Ratio Lower Upper

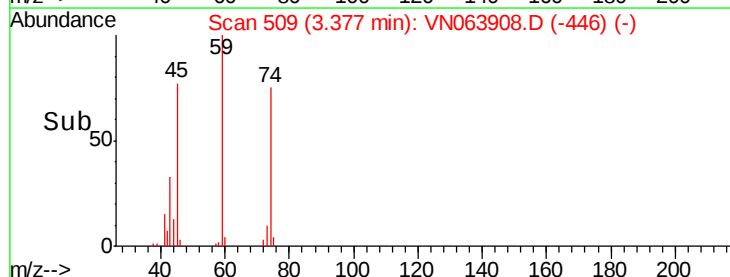
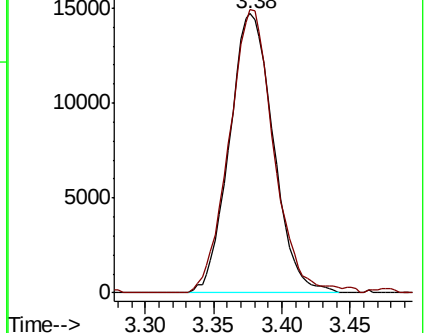
74 100

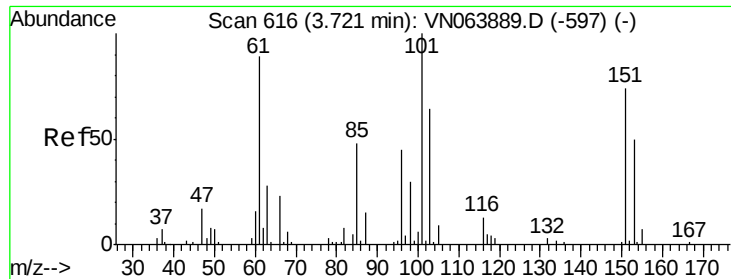
45 101.9 20.6 185.4



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.547 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063908.D

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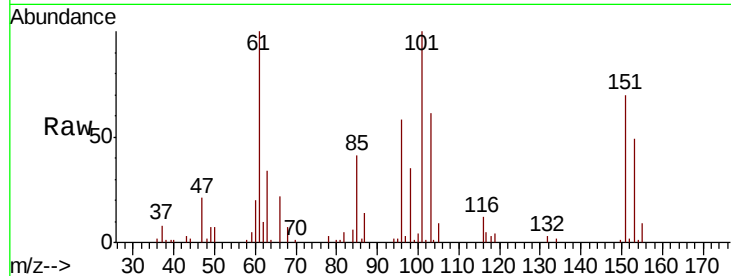
Tot Ion:101 Resp: 53114

Ion Ratio Lower Upper

101 100

85 0.0 0.0 85.0

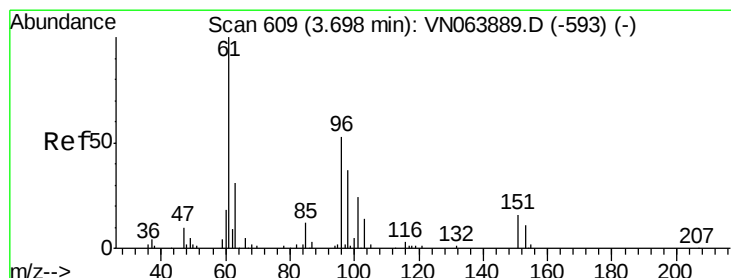
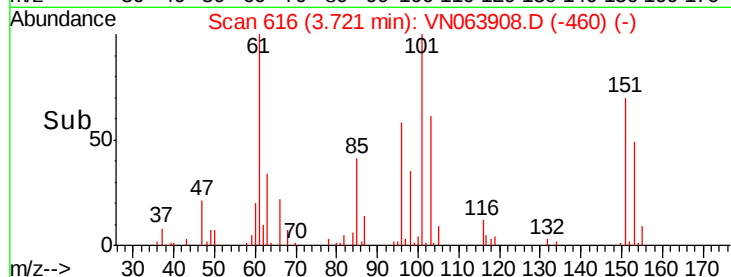
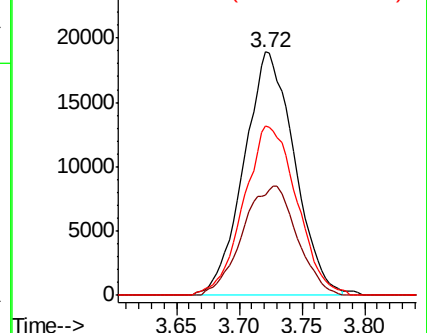
151 73.1 0.0 161.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 17.994 ug/l

RT: 3.70 min Scan# 610

Delta R.T. 0.01 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

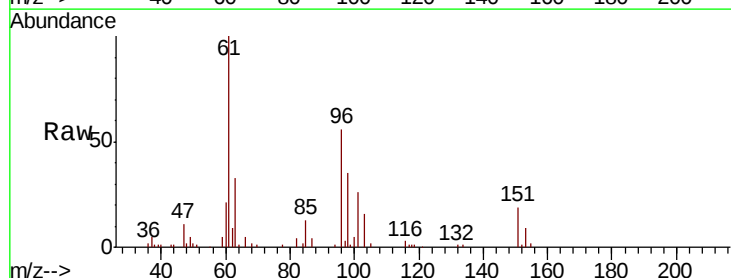
Tgt Ion: 96 Resp: 51137

Ion Ratio Lower Upper

96 100

61 176.4 130.8 196.2

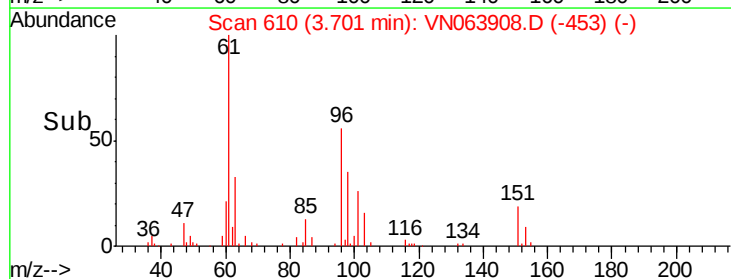
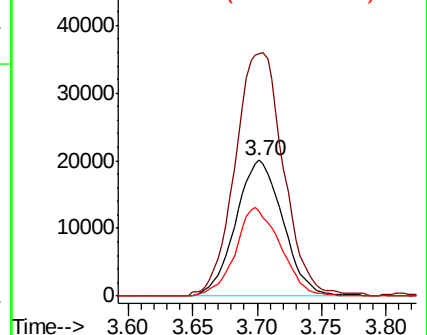
98 62.8 49.0 73.4

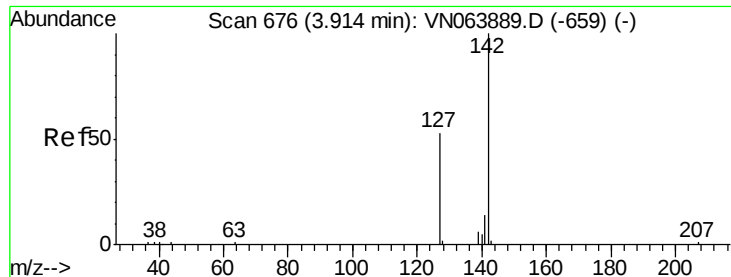


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

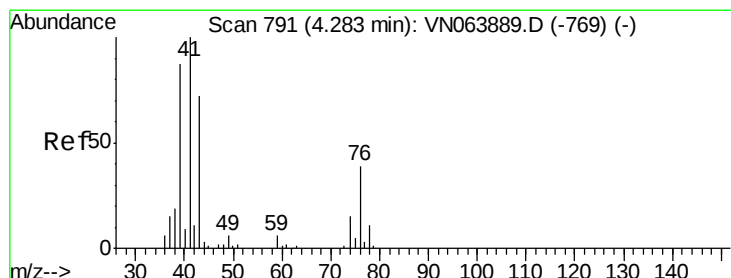
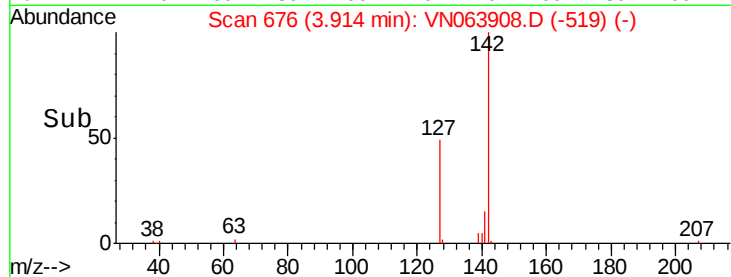
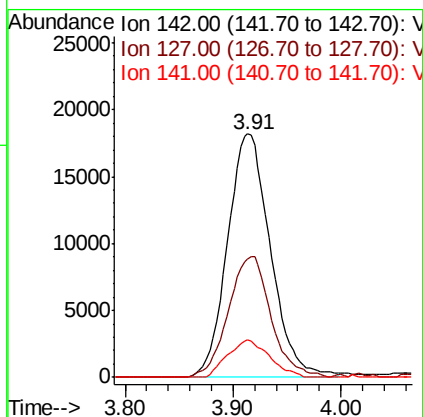
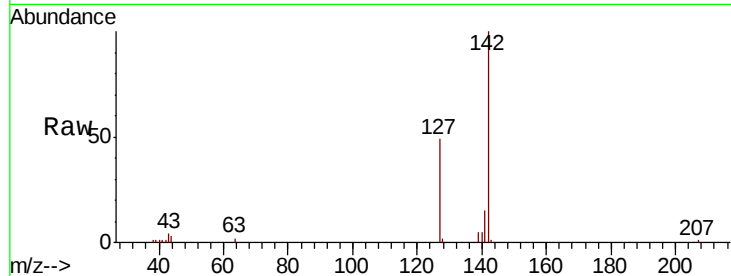




#11
Methvl Iodide
Concen: 13.900 ug/l
RT: 3.91 min Scan# 676
Delta R.T. 0.01 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

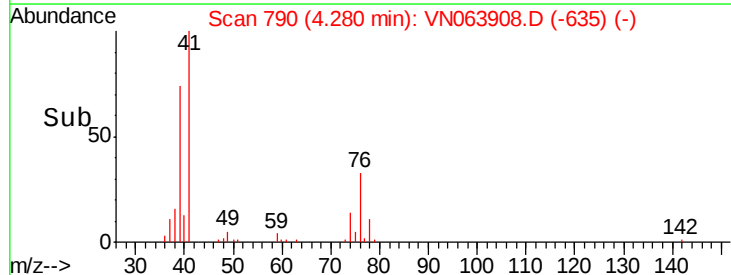
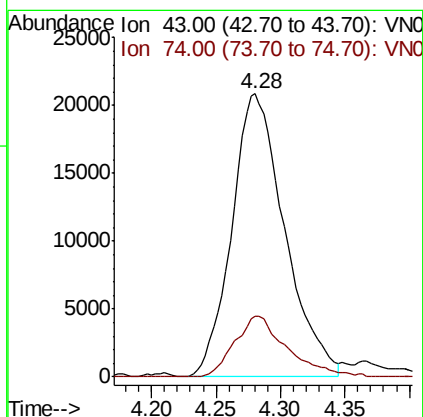
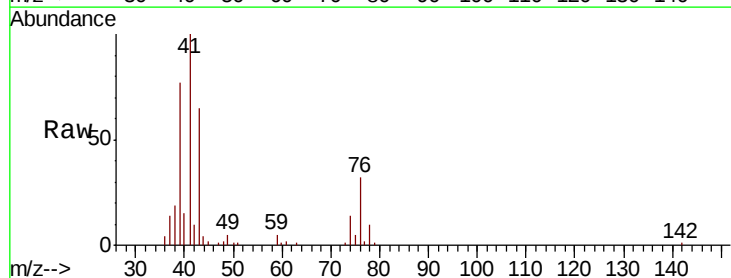
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

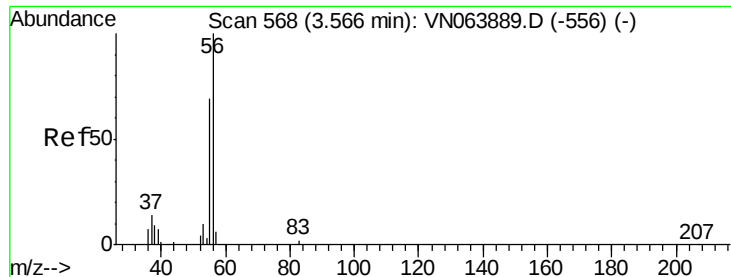
Tot Ion:142 Resp: 50404
Ion Ratio Lower Upper
142 100
127 48.5 20.9 62.8
141 15.3 6.7 20.1



#12
Methyl Acetate
Concen: 17.060 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion: 43 Resp: 59668
Ion Ratio Lower Upper
43 100
74 21.1 18.6 27.8





#13

Acrolein

Concen: 103.075 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

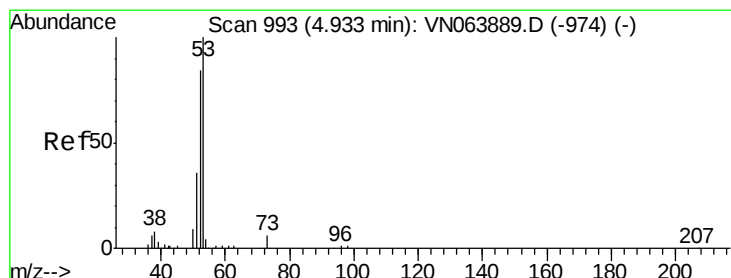
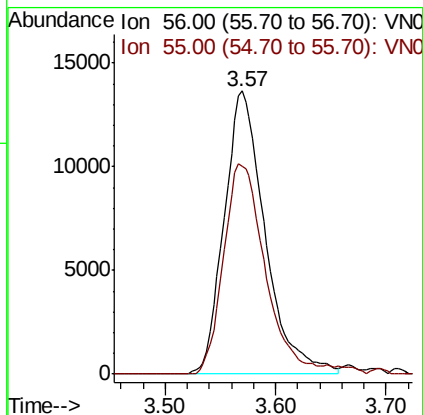
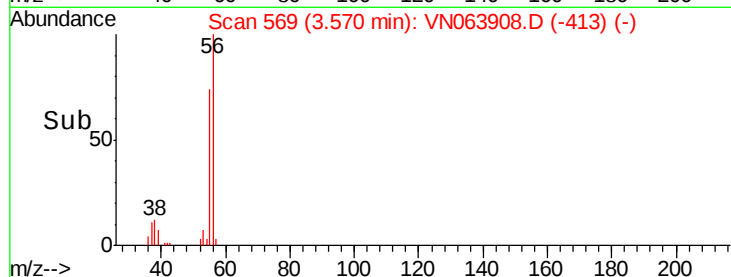
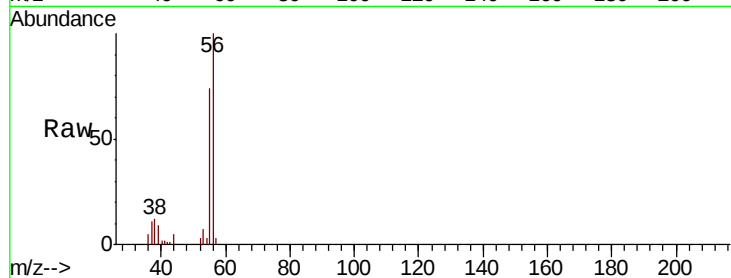
VSTDCCC020EC

Tot Ion: 56 Resp: 35091

Ion Ratio Lower Upper

56 100

55 75.2 58.7 88.1



#14

Acrylonitrile

Concen: 78.573 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

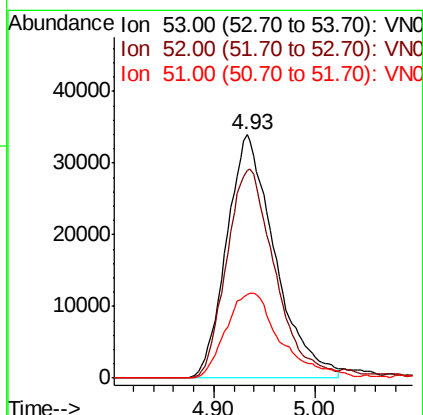
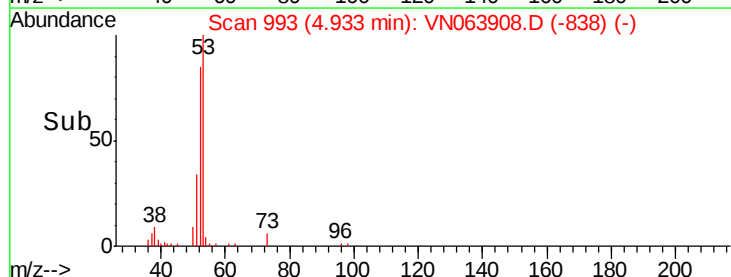
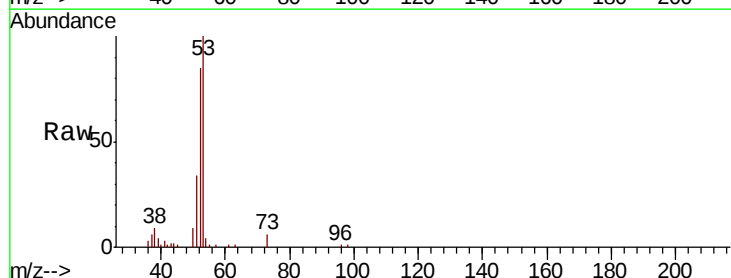
Tgt Ion: 53 Resp: 112992

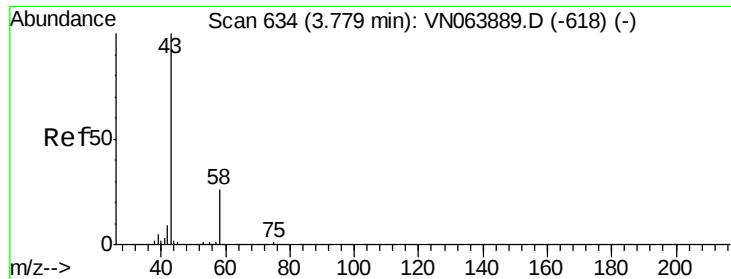
Ion Ratio Lower Upper

53 100

52 85.7 39.9 119.7

51 39.4 17.0 51.0

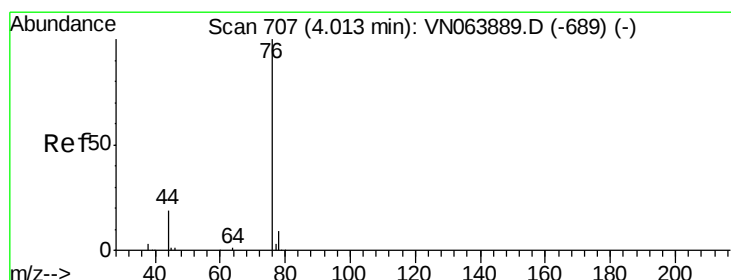
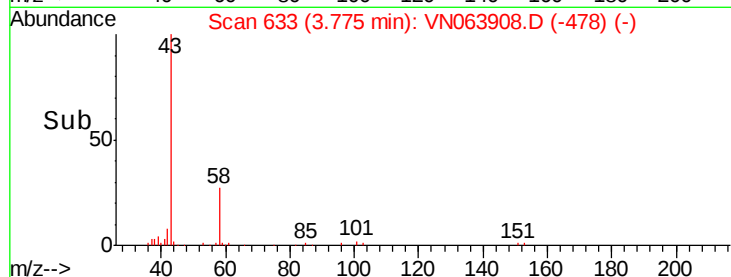
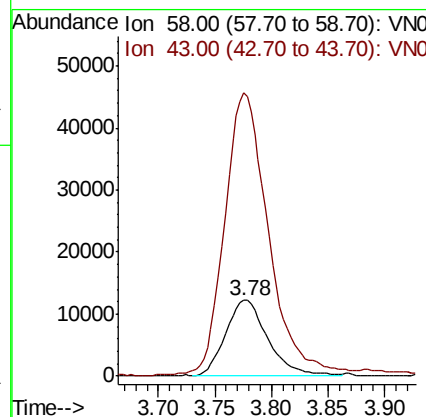
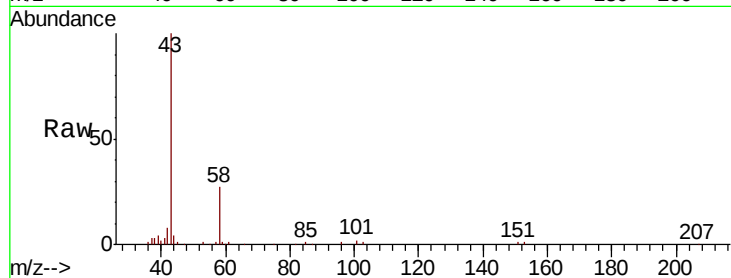




#15
Acetone
Concen: 77.119 ug/l
RT: 3.78 min Scan# 633
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

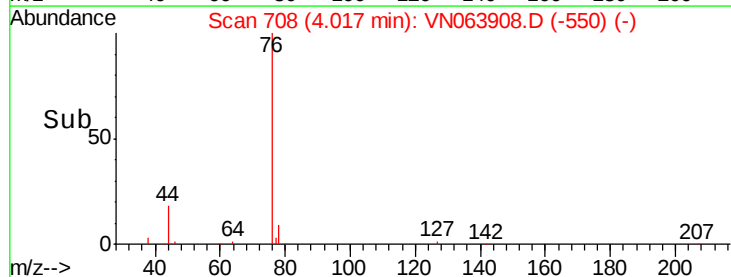
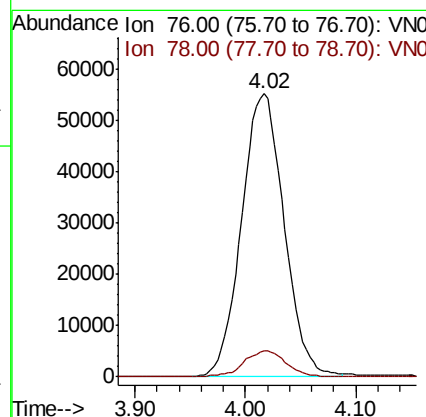
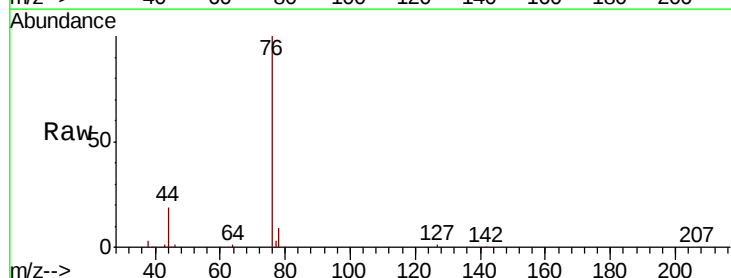
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

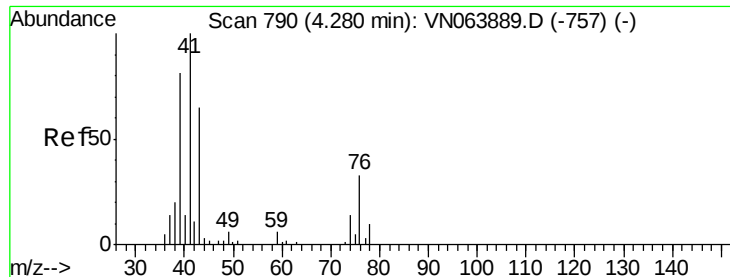
Tot Ion: 58 Resp: 32102
Ion Ratio Lower Upper
58 100
43 366.5 233.2 349.8#



#16
Carbon Disulfide
Concen: 17.517 ug/l
RT: 4.02 min Scan# 708
Delta R.T. 0.01 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion: 76 Resp: 147636
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.4





#17

Allvl chloride

Concen: 18.074 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.01 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

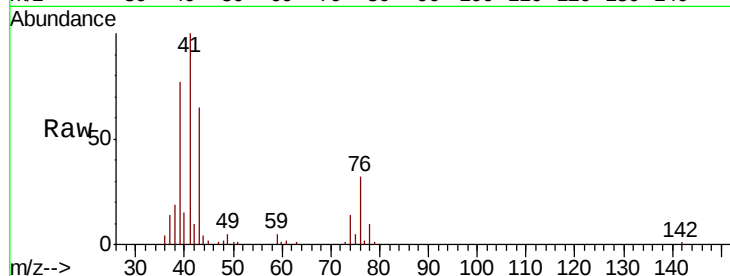
Tot Ion: 41 Resp: 95604

Ion Ratio Lower Upper

41 100

39 76.9 33.8 101.4

76 31.2 19.4 58.4

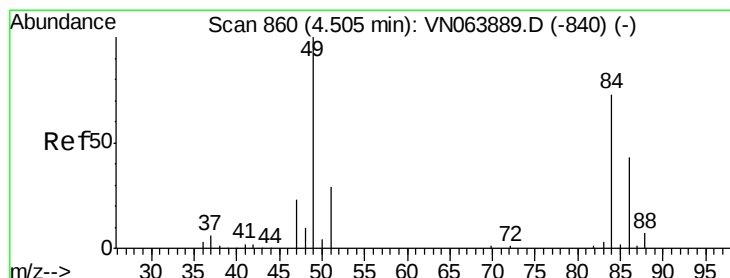
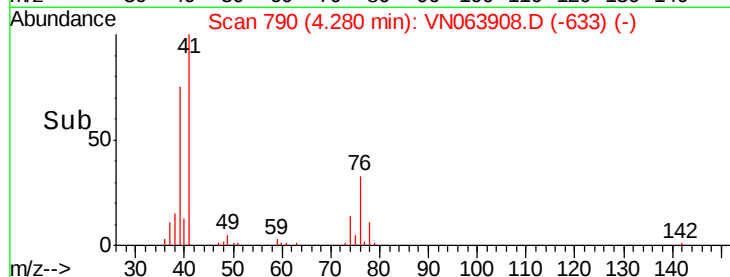
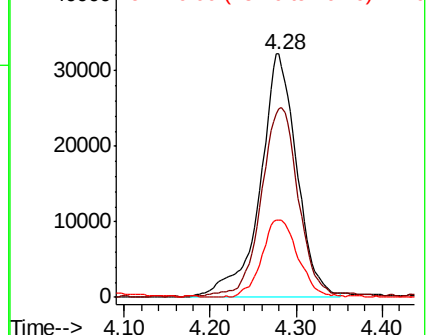


Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 17.688 ug/l

RT: 4.50 min Scan# 859

Delta R.T. -0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Tgt Ion: 84 Resp: 60253

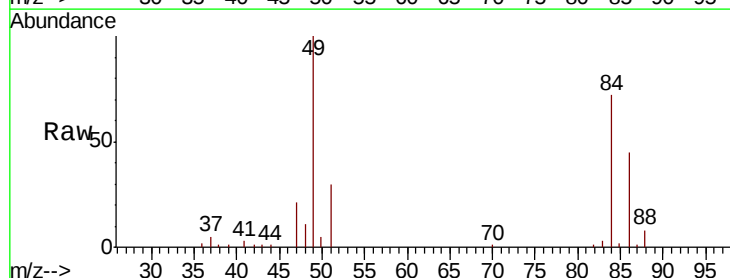
Ion Ratio Lower Upper

84 100

49 138.4 97.8 146.8

51 41.3 30.7 46.1

86 62.7 51.5 77.3



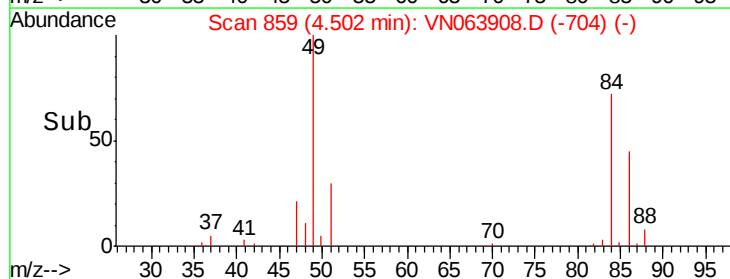
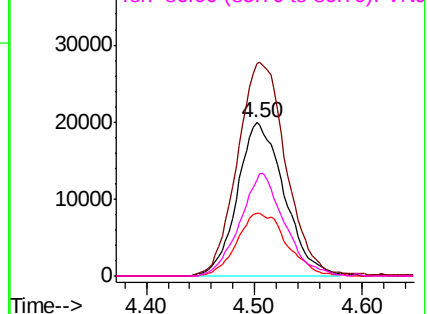
Abundance

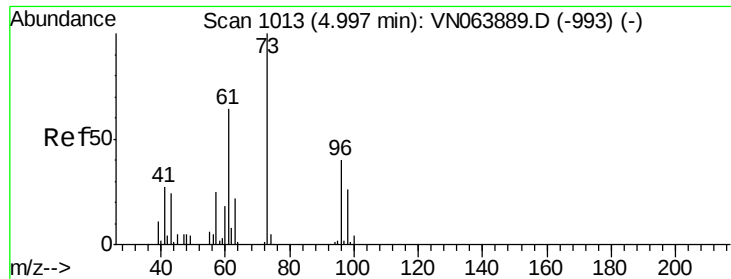
Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

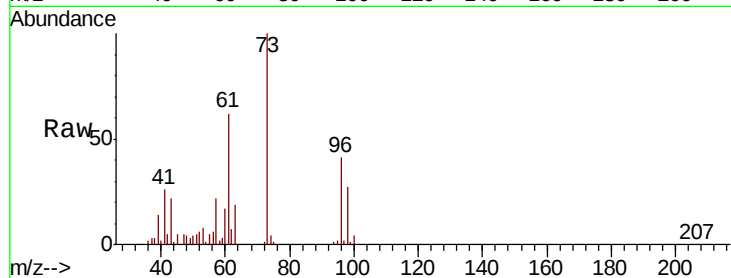




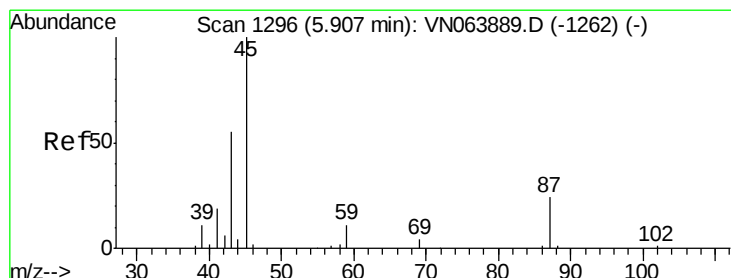
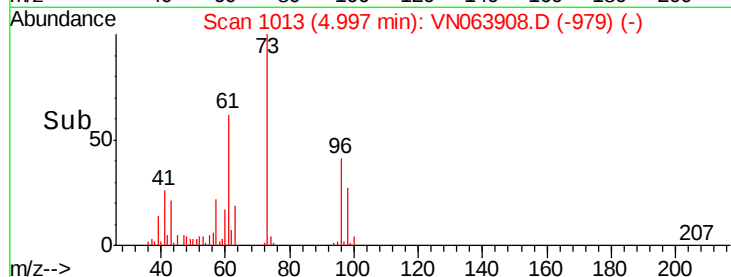
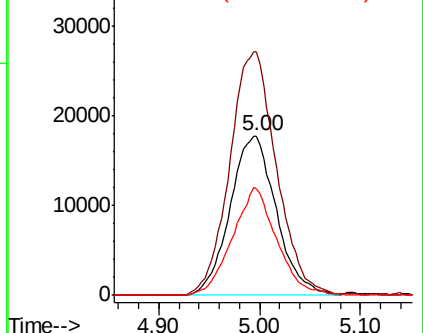
#19
trans-1,2-Dichloroethene
Concen: 17.540 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 96 Resp: 56306
Ion Ratio Lower Upper
96 100
61 151.8 115.9 173.9
98 67.3 53.3 79.9

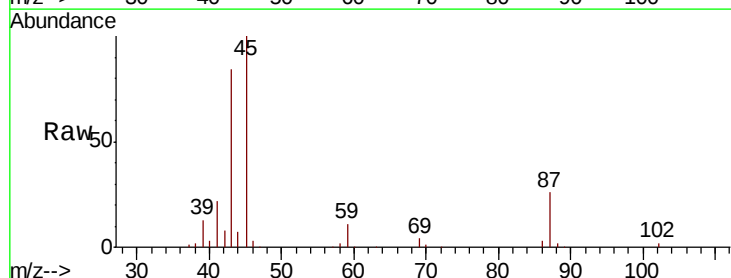


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

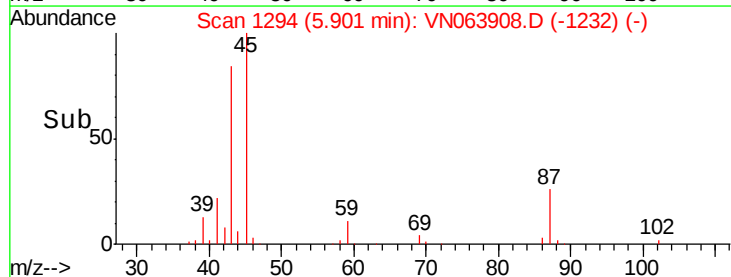
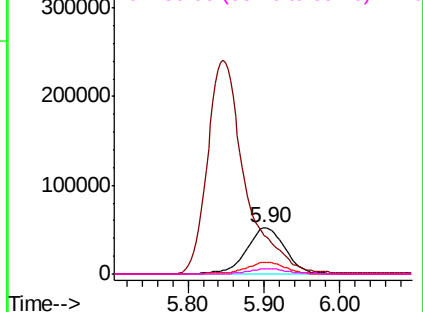


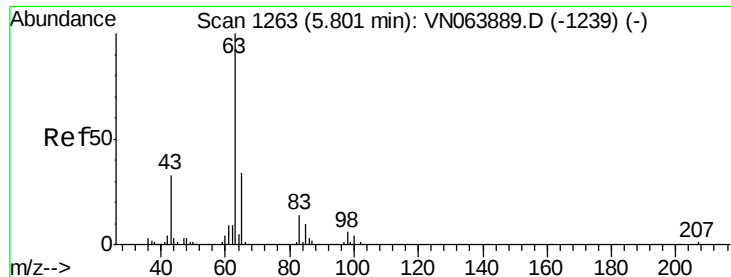
#20
Diisopropyl ether
Concen: 17.293 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion: 45 Resp: 183880
Ion Ratio Lower Upper
45 100
43 79.5 51.8 77.6#
87 25.6 21.8 32.6
59 10.5 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 17.742 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

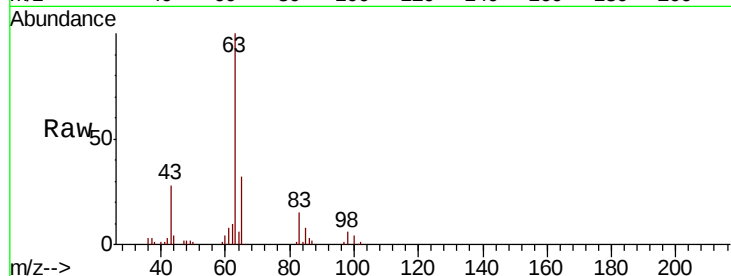
Tot Ion: 63 Resp: 114207

Ion Ratio Lower Upper

63 100

98 5.7 3.1 9.3

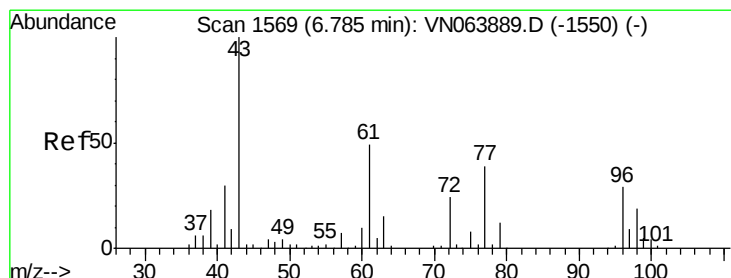
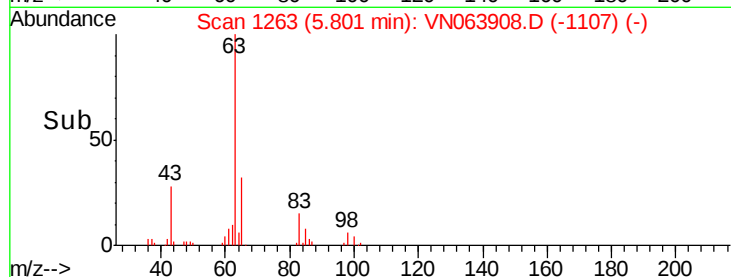
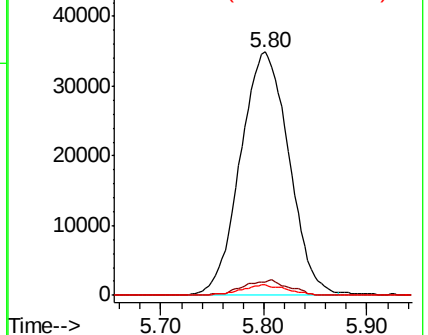
100 4.2 1.8 5.3



Abundance Ion 63.00 (62.70 to 63.70): VN063908.D (-1107) (-)

Ion 98.00 (97.70 to 98.70): VN063908.D (-1107) (-)

Ion 100.00 (99.70 to 100.70): VN063908.D (-1107) (-)



#22

cis-1,2-Dichloroethene

Concen: 17.666 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

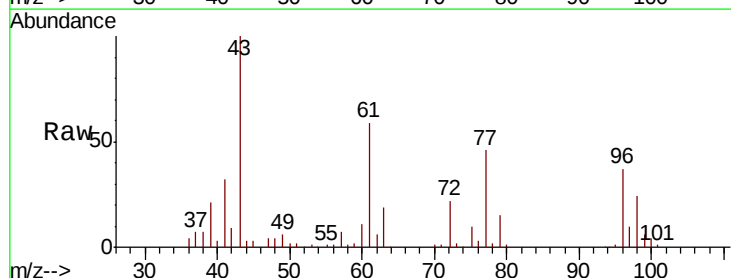
Tgt Ion: 96 Resp: 64378

Ion Ratio Lower Upper

96 100

61 158.8 120.9 181.3

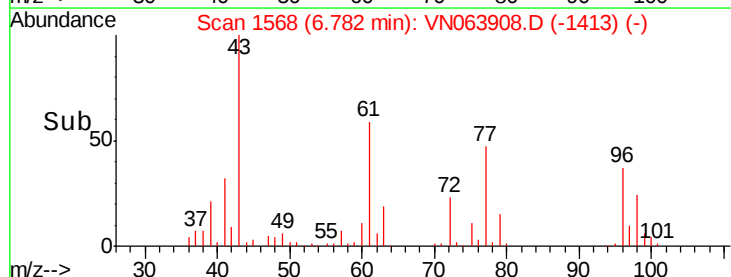
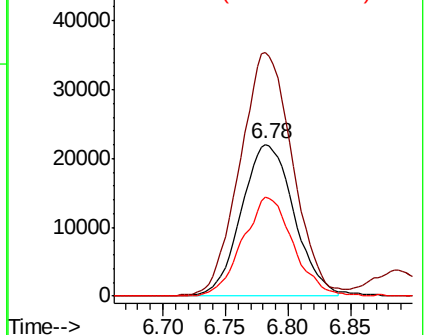
98 62.4 50.3 75.5

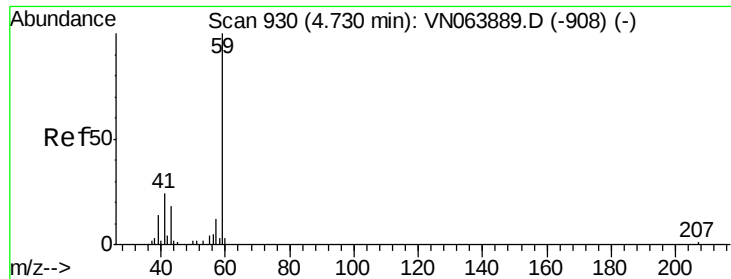


Abundance Ion 96.00 (95.70 to 96.70): VN063908.D (-1413) (-)

Ion 61.00 (60.70 to 61.70): VN063908.D (-1413) (-)

Ion 98.00 (97.70 to 98.70): VN063908.D (-1413) (-)





#23

tert-Butyl Alcohol

Concen: 66.222 ug/l

RT: 4.73 min Scan# 930

Delta R.T. -0.01 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

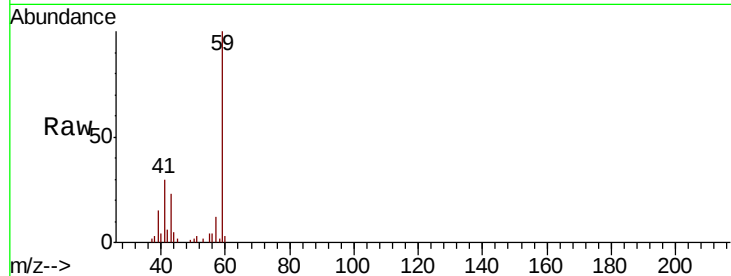
VSTDCCC020EC

Tot Ion: 59 Resp: 40849

Ion Ratio Lower Upper

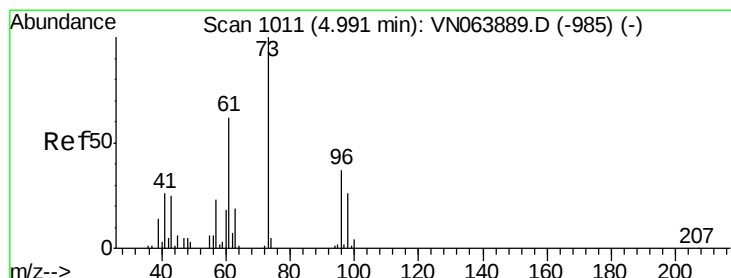
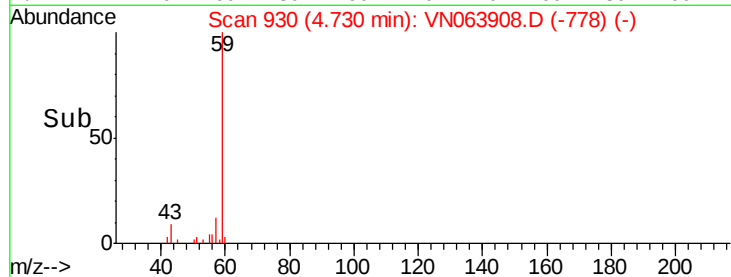
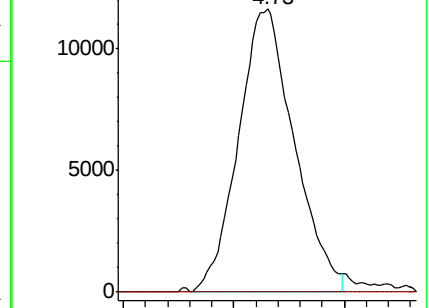
59 100

52 0.0 0.0 0.0



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

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



#24

Methyl tert-Butyl Ether

Concen: 17.437 ug/l

RT: 4.99 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VN063908.D

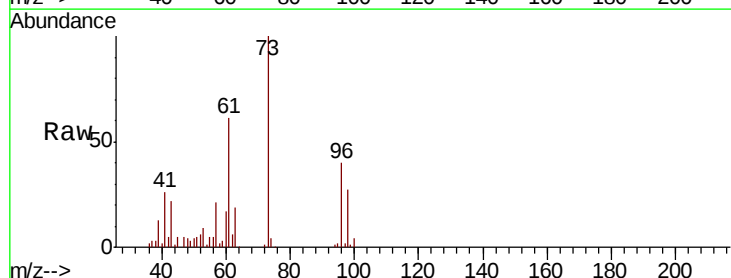
Acq: 6 Oct 2020 21:06

Tgt Ion: 73 Resp: 166245

Ion Ratio Lower Upper

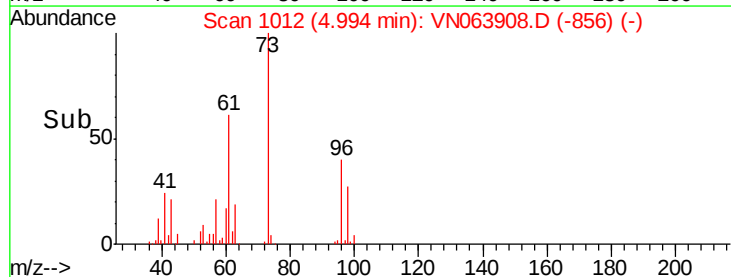
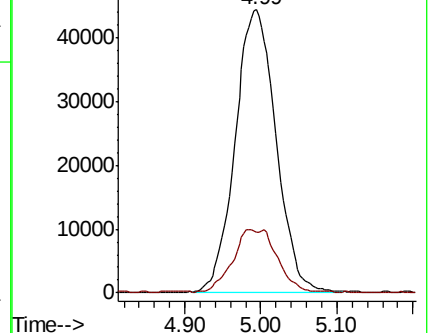
73 100

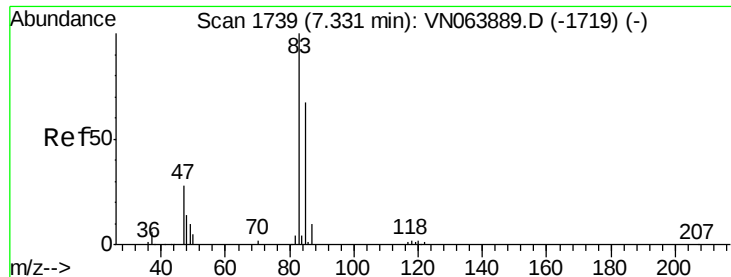
43 13.4 15.8 23.6#



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

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

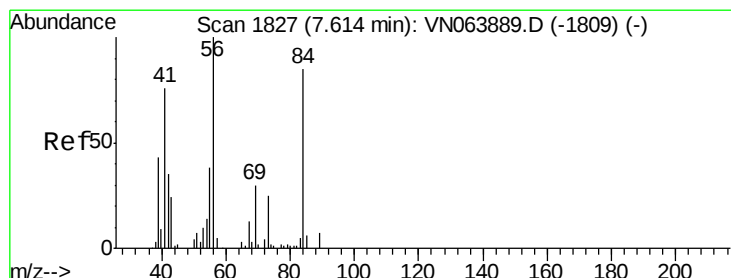
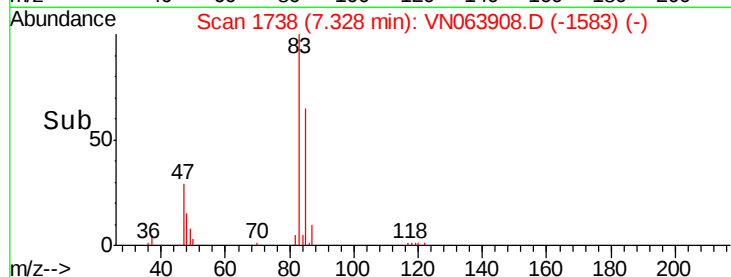
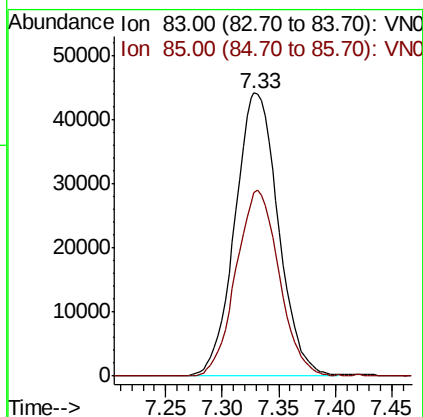
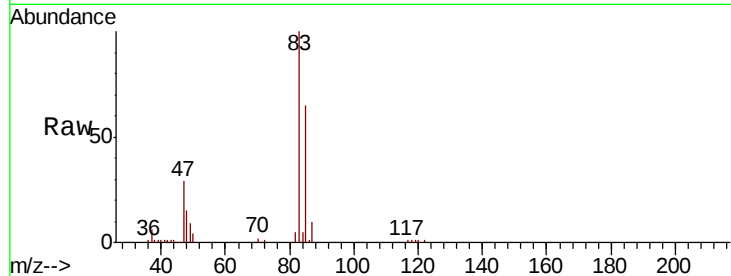




#25
Chloroform
Concen: 17.447 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

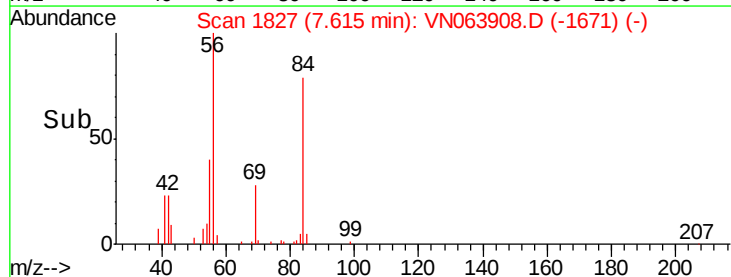
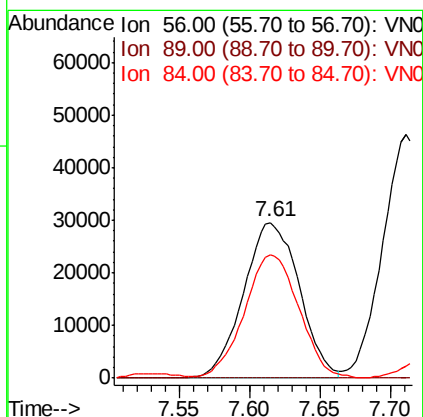
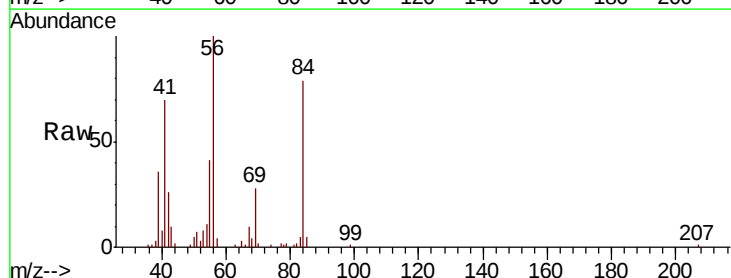
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

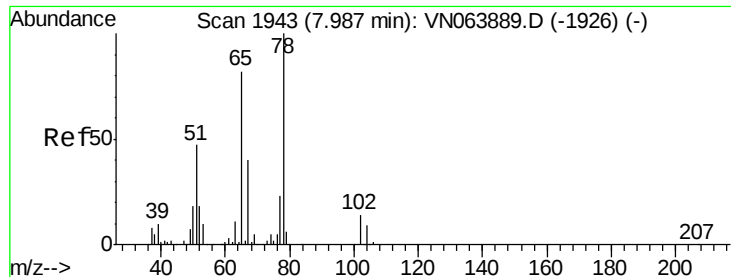
Tot Ion: 83 Resp: 117758
Ion Ratio Lower Upper
83 100
85 65.0 51.0 76.4



#26
Cyclohexane
Concen: 17.582 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion: 56 Resp: 81520
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 77.8 65.0 97.4





#27

1,2-Dichloroethane-d4

Concen: 30.059 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

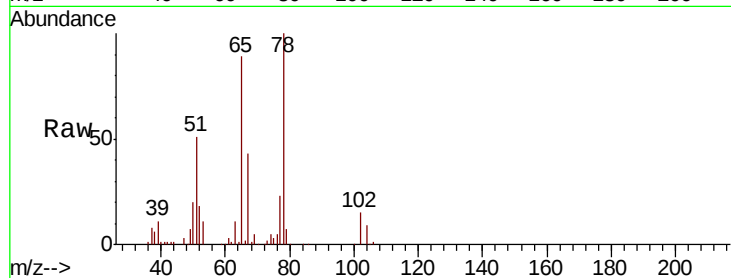
VSTDCCC020EC

Tot Ion: 65 Resp: 142972

Ion Ratio Lower Upper

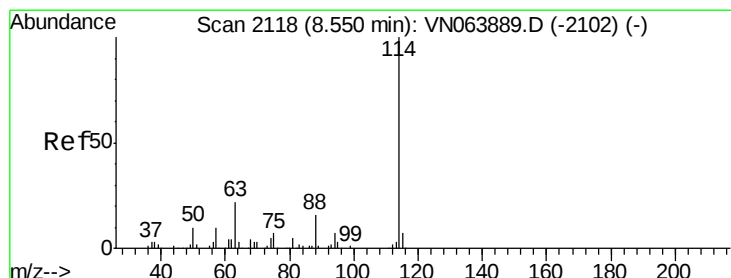
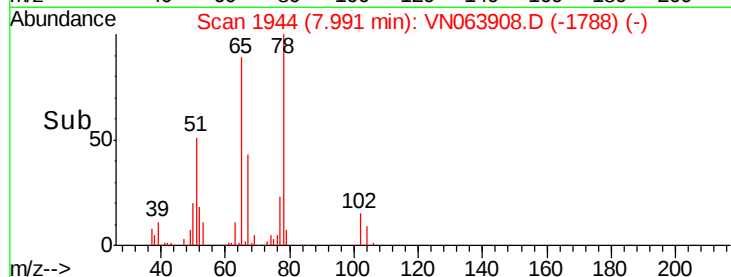
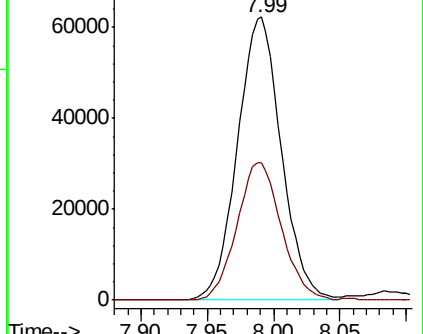
65 100

67 49.3 43.8 65.6



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

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



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

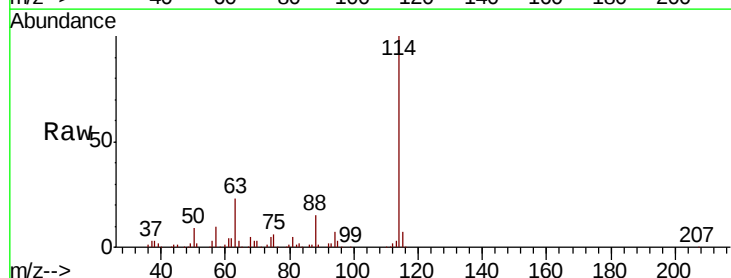
Tgt Ion: 114 Resp: 284836

Ion Ratio Lower Upper

114 100

63 23.1 17.0 25.6

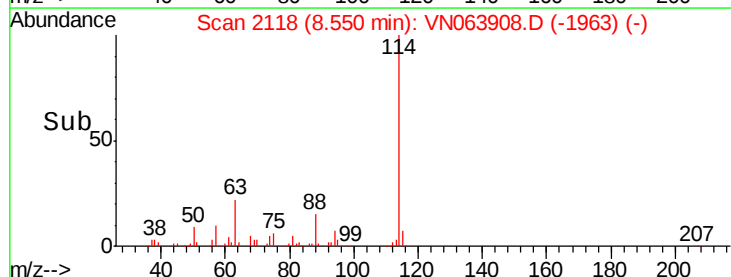
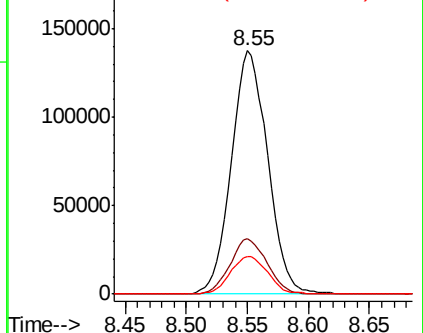
88 15.9 12.6 18.8

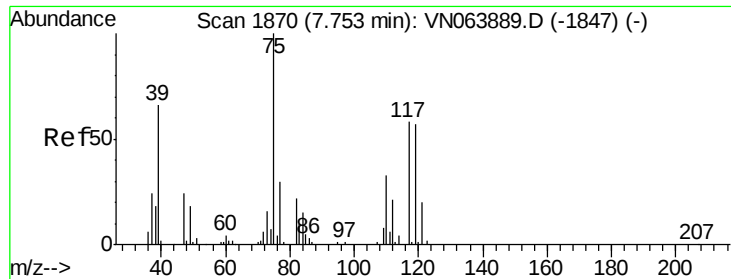


Abundance Ion 114.00 (113.70 to 114.70): VN063889.D (-2102) (-)

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

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

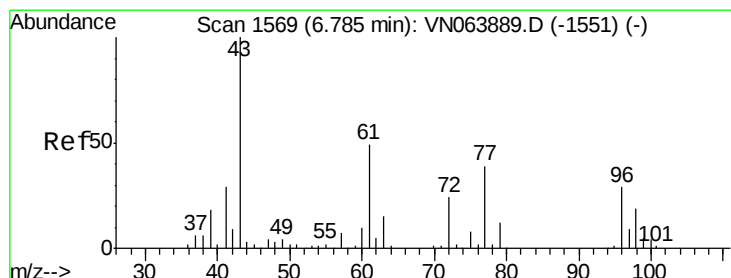
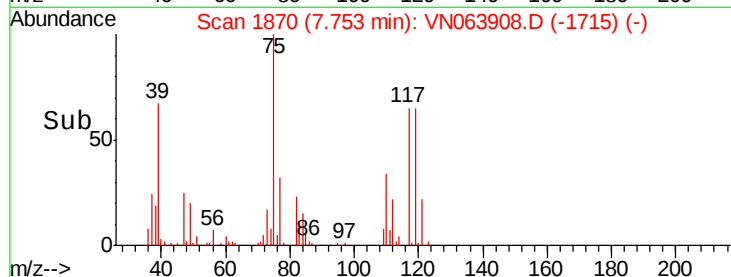
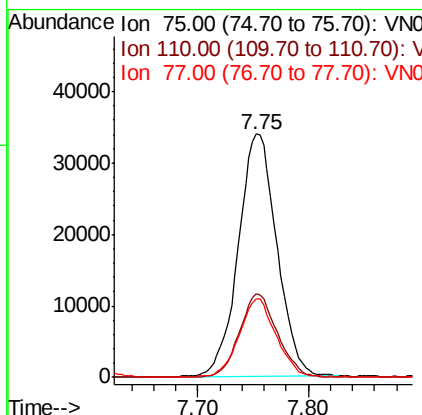
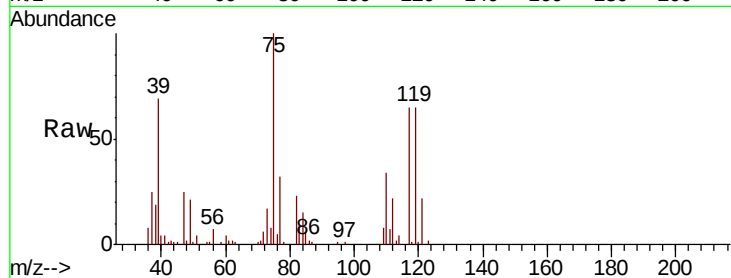




#29
 1,1-Dichloropropene
 Concen: 16.474 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

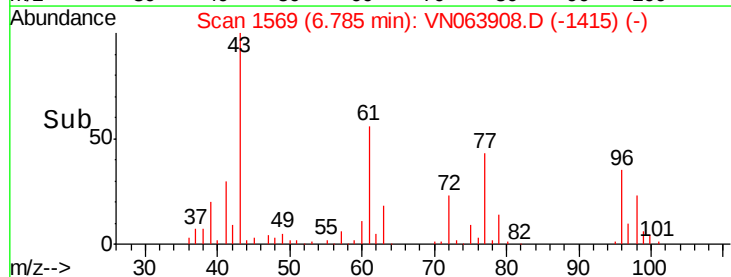
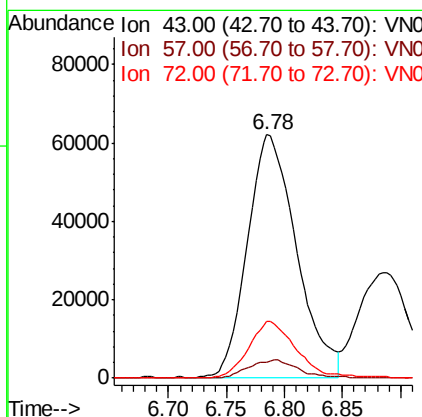
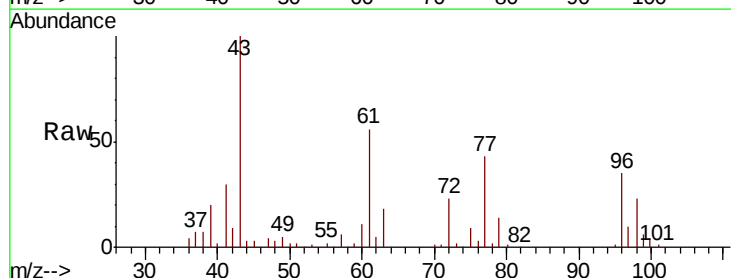
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

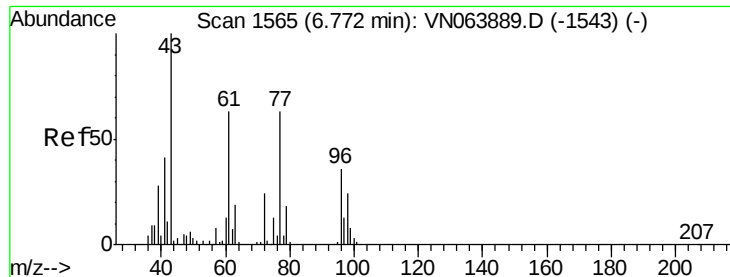
Tot Ion: 75 Resp: 82174
 Ion Ratio Lower Upper
 75 100
 110 33.6 0.0 70.6
 77 29.6 0.0 60.2



#30
 2-Butanone
 Concen: 74.394 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Tgt Ion: 43 Resp: 182006
 Ion Ratio Lower Upper
 43 100
 57 3.1 6.6 9.8#
 72 22.7 21.3 31.9





#31

2,2-Dichloropropane

Concen: 15.200 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

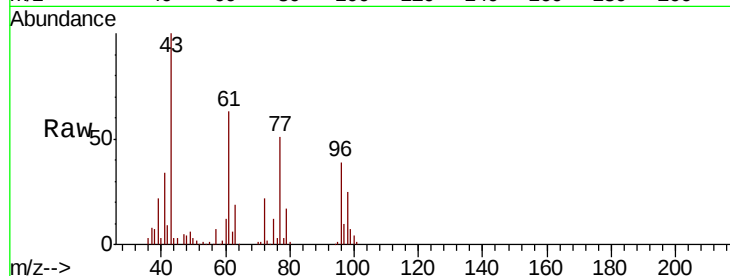
VSTDCCC020EC

Tot Ion: 77 Resp: 90614

Ion Ratio Lower Upper

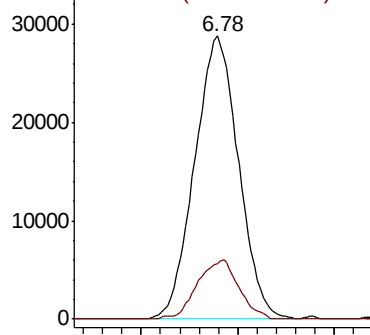
77 100

97 19.8 18.2 27.4

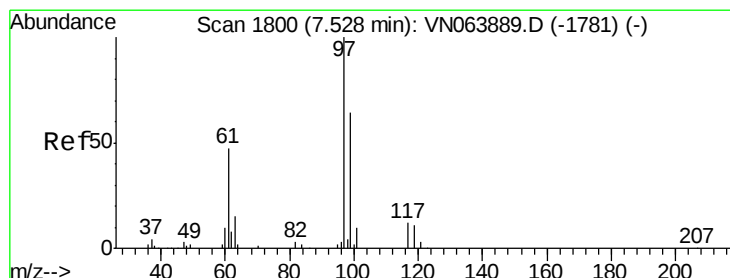
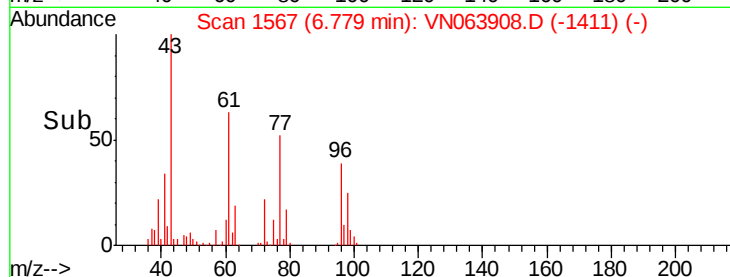


Abundance Ion 77.00 (76.70 to 77.70): VN063908.D (-1543) (-)

Ion 97.00 (96.70 to 97.70): VN063908.D (-1543) (-)



Time-->



#32

1,1,1-Trichloroethane

Concen: 17.067 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

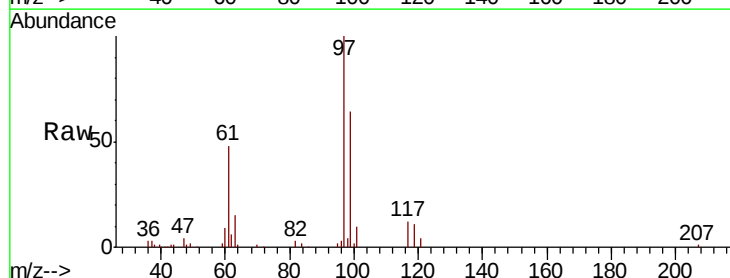
Tgt Ion: 97 Resp: 108607

Ion Ratio Lower Upper

97 100

99 63.8 51.7 77.5

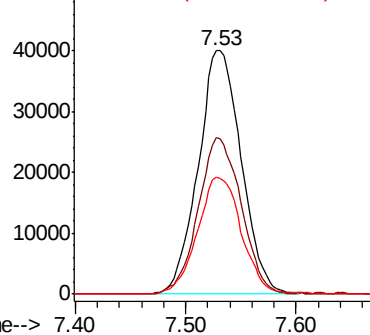
61 48.7 35.3 52.9



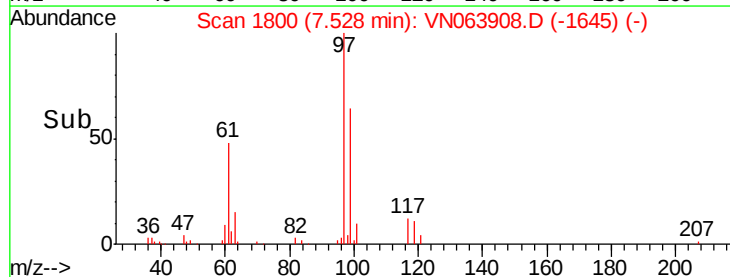
Abundance Ion 97.00 (96.70 to 97.70): VN063908.D (-1781) (-)

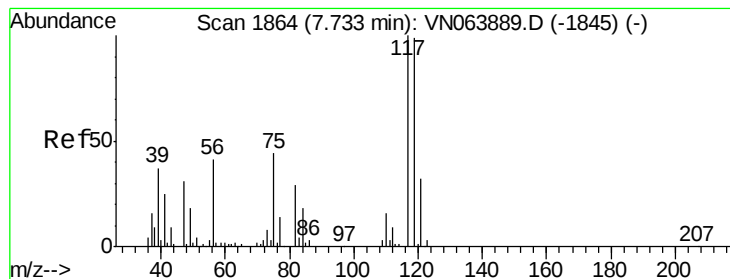
Ion 99.00 (98.70 to 99.70): VN063908.D (-1781) (-)

Ion 61.00 (60.70 to 61.70): VN063908.D (-1781) (-)



Time-->





#33

Carbon Tetrachloride

Concen: 16.575 ug/l

RT: 7.73 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

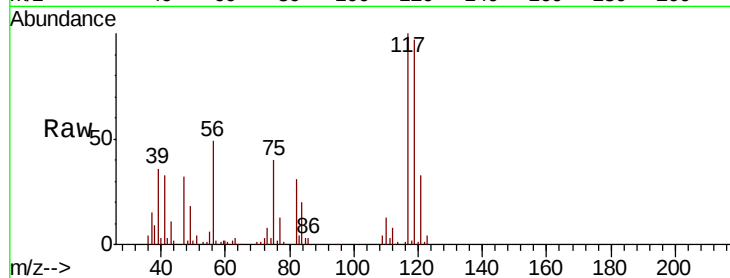
Tot Ion:117 Resp: 92412

Ion Ratio Lower Upper

117 100

119 96.6 73.0 109.4

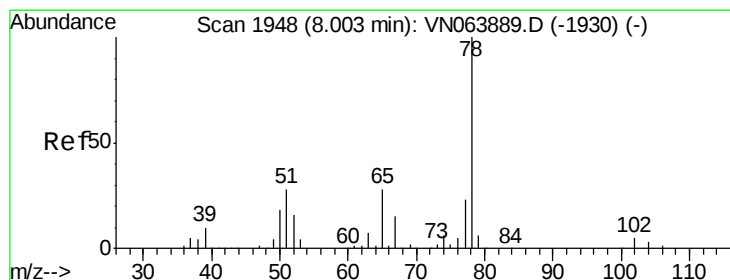
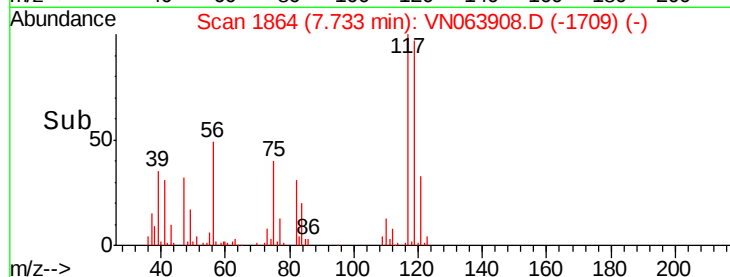
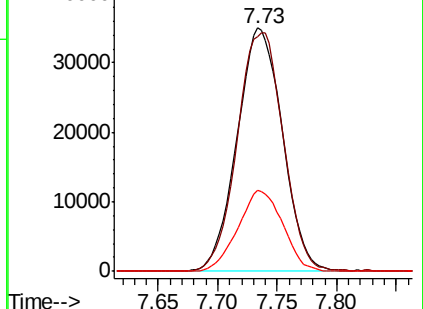
121 33.4 24.9 37.3



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: 17.119 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

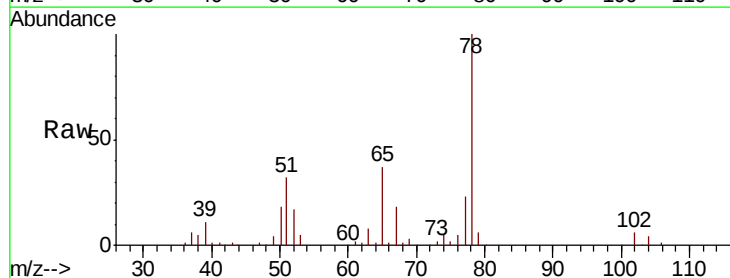
Tgt Ion: 78 Resp: 242780

Ion Ratio Lower Upper

78 100

77 22.7 18.6 27.8

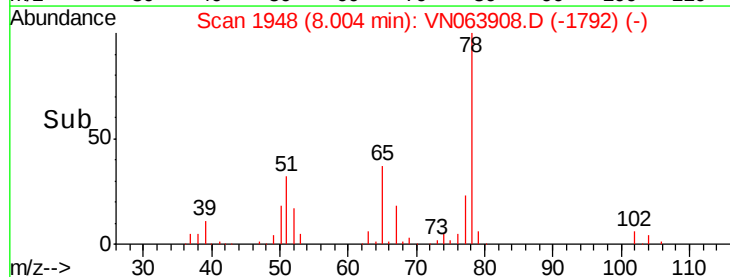
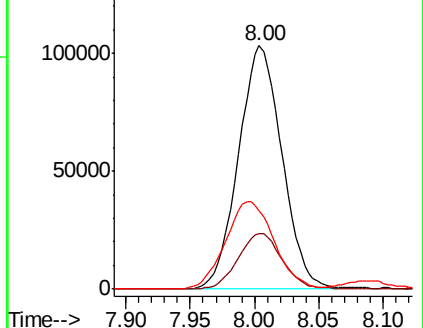
51 31.6 22.2 33.2

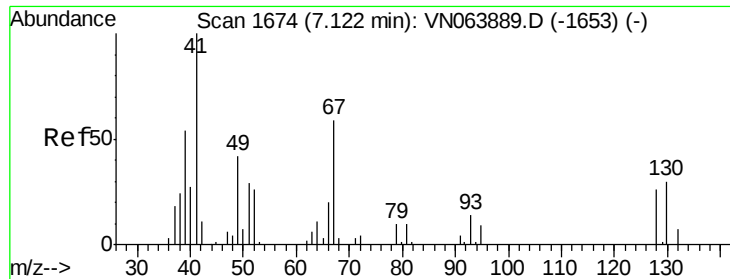


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

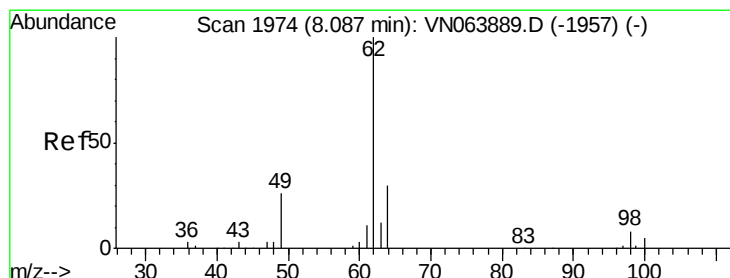
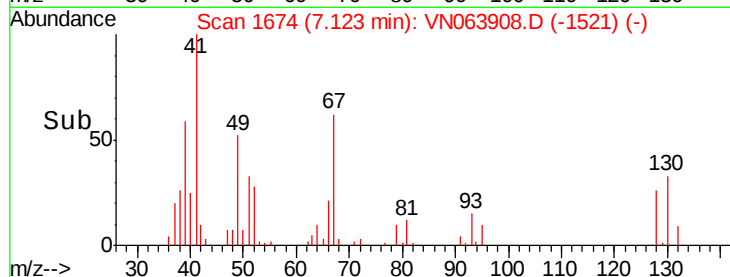
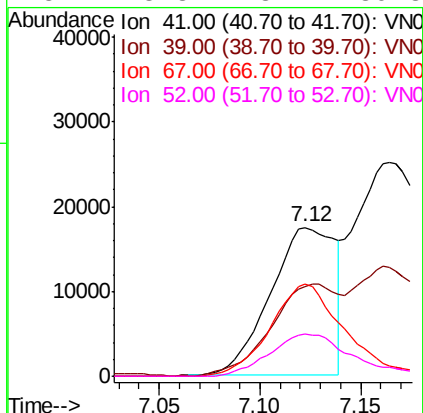
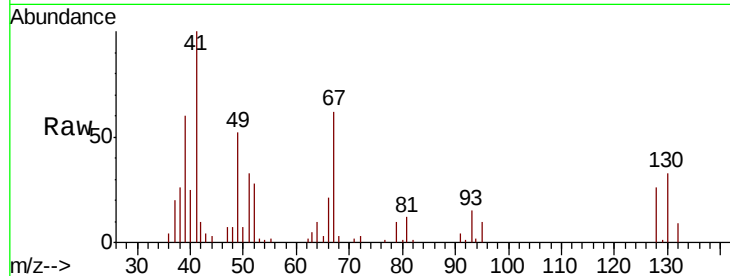




#35
Methacrylonitrile
Concen: 16.575 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

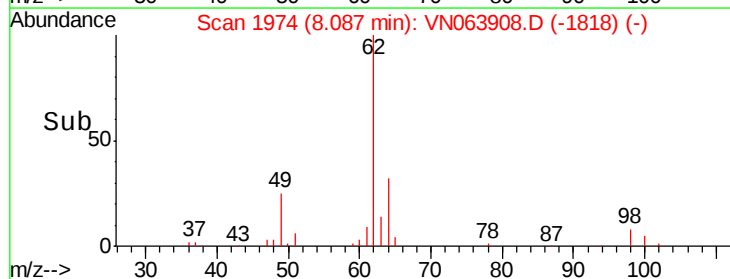
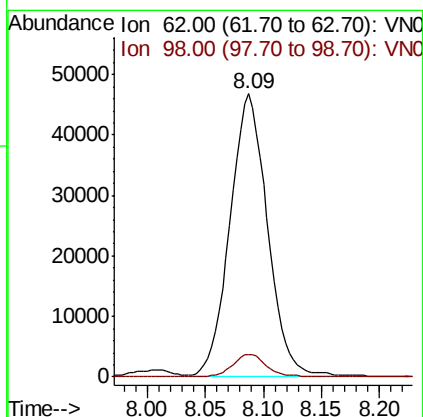
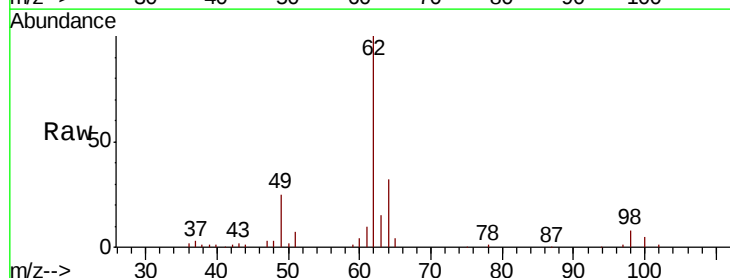
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

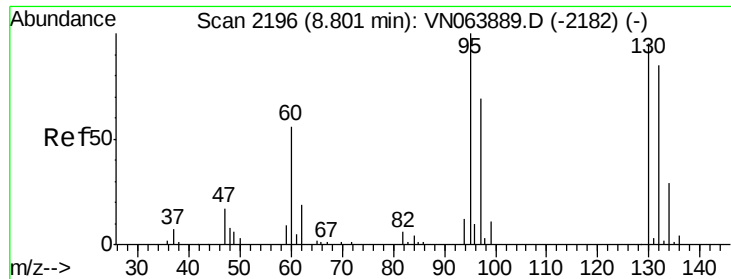
Tot Ion:	41	Resp:	38542
Ion	Ratio	Lower	Upper
41	100		
39	60.5	23.7	71.1
67	62.9	31.6	94.7
52	28.3	13.1	39.3



#36
1,2-Dichloroethane
Concen: 16.984 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion:	62	Resp:	105829
Ion	Ratio	Lower	Upper
62	100		
98	7.0	7.6	11.4#

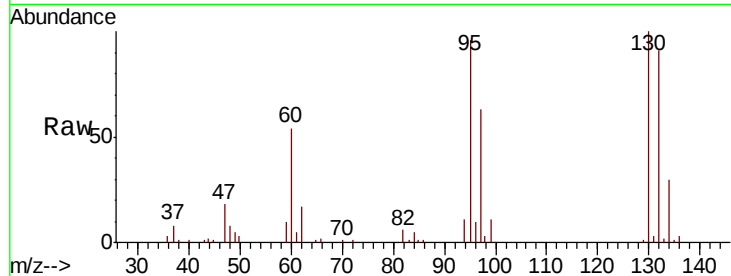




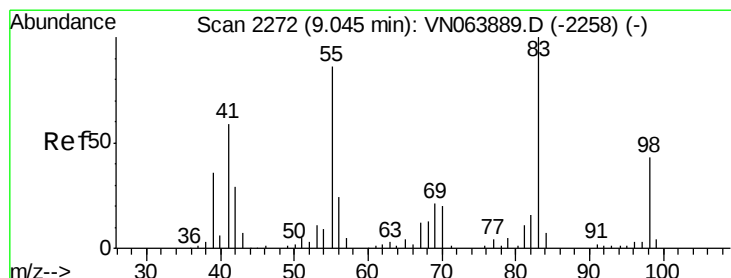
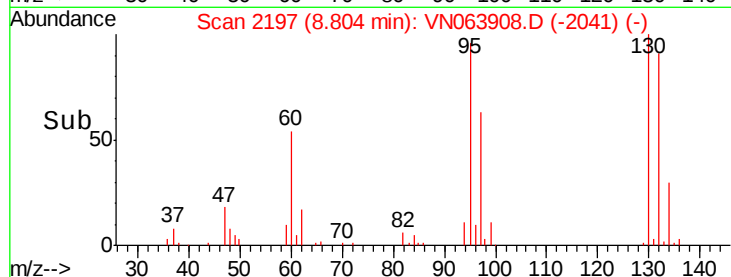
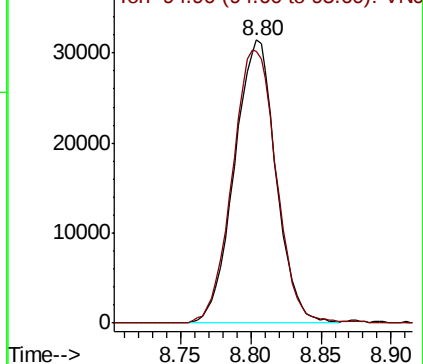
#37
 Trichloroethene
 Concen: 17.405 ug/l
 RT: 8.80 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 64676
 Ion Ratio Lower Upper
 130 100
 95 95.9 78.9 118.3

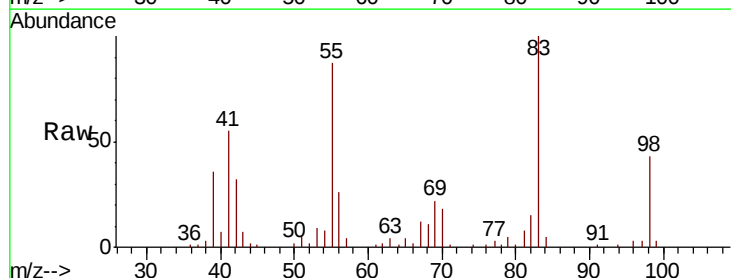


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

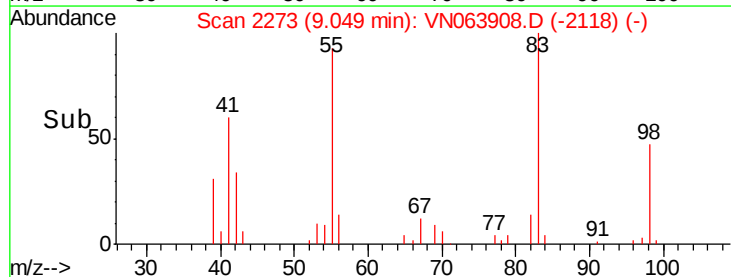
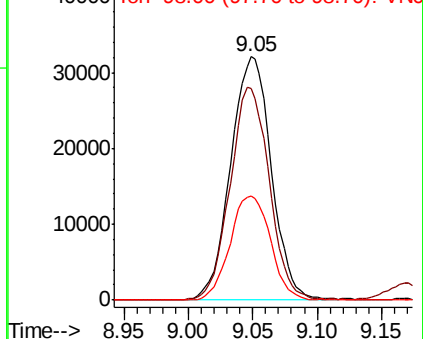


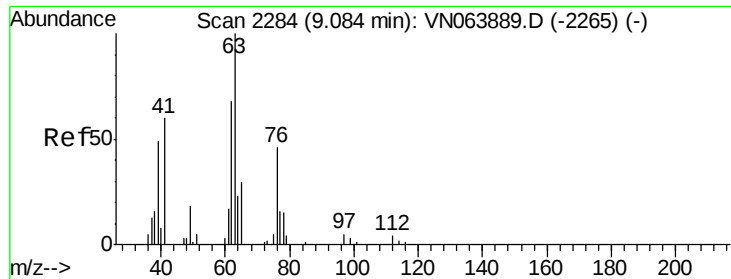
#38
 Methylcyclohexane
 Concen: 16.686 ug/l
 RT: 9.05 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Tgt Ion: 83 Resp: 70275
 Ion Ratio Lower Upper
 83 100
 55 84.3 41.9 125.7
 98 42.7 22.2 66.6



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

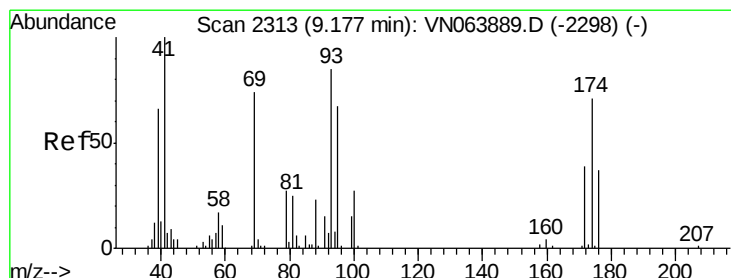
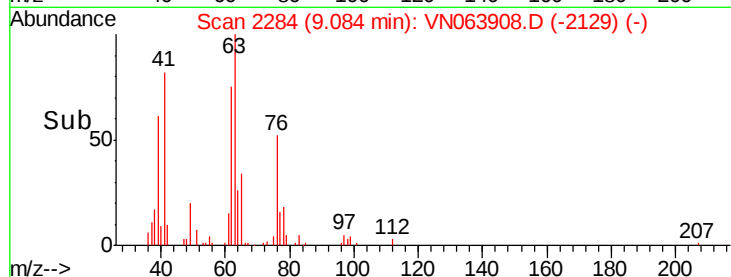
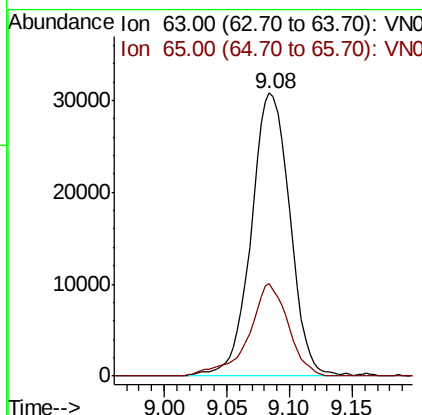
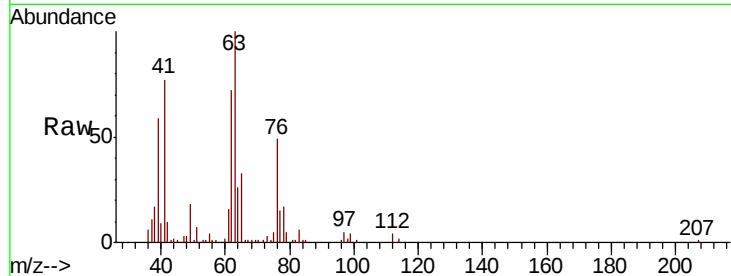




#39
 1,2-Dichloropropane
 Concen: 17.166 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

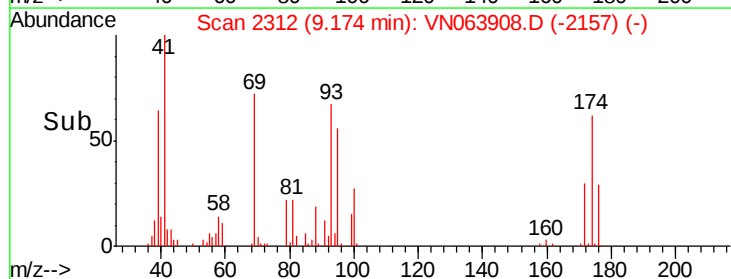
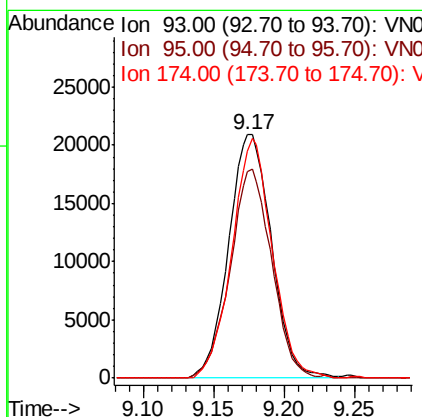
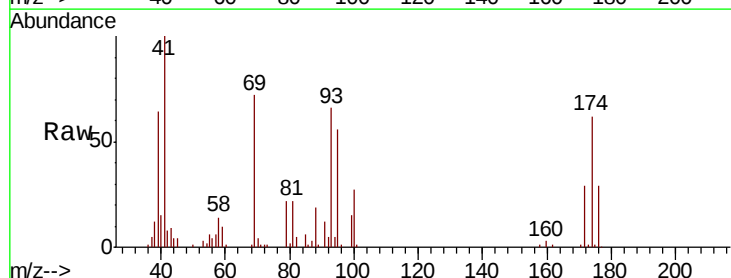
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

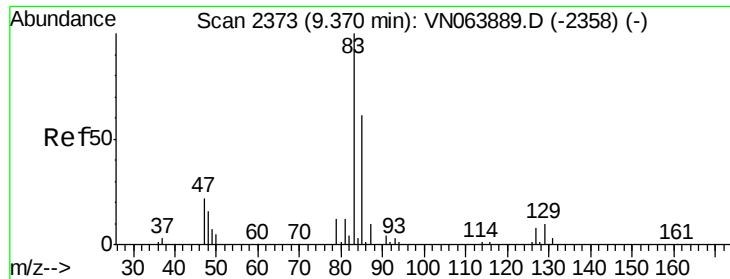
Tot Ion: 63 Resp: 66151
 Ion Ratio Lower Upper
 63 100
 65 32.6 25.1 37.7



#40
 Dibromomethane
 Concen: 16.500 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Tgt Ion: 93 Resp: 44407
 Ion Ratio Lower Upper
 93 100
 95 83.0 0.0 168.2
 174 92.9 0.0 208.4

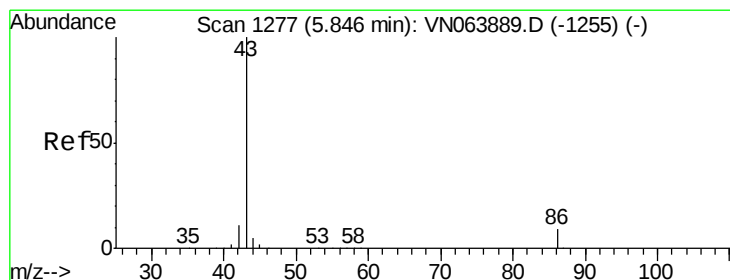
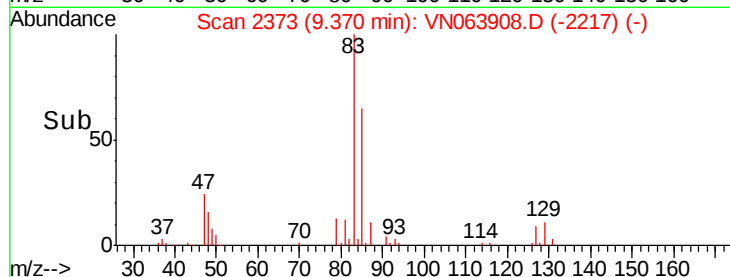
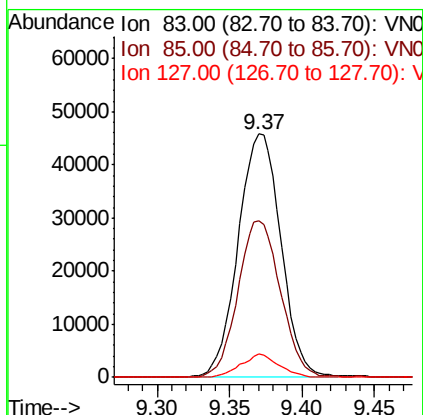
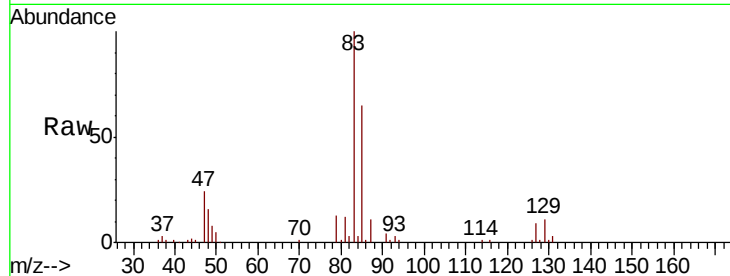




#41
 Bromodichloromethane
 Concen: 16.838 ug/l
 RT: 9.37 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

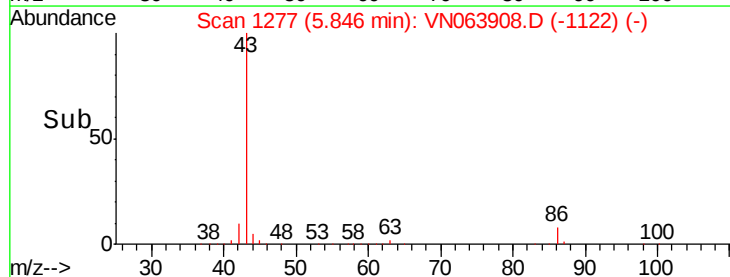
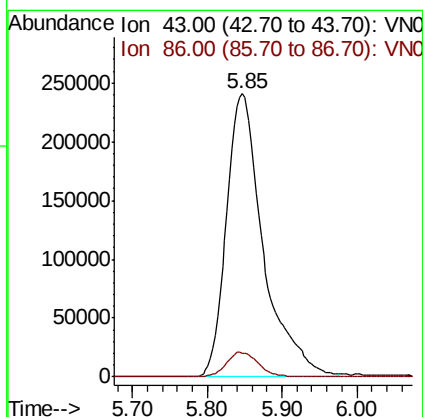
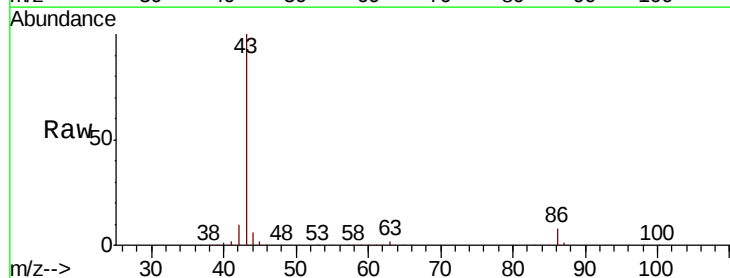
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

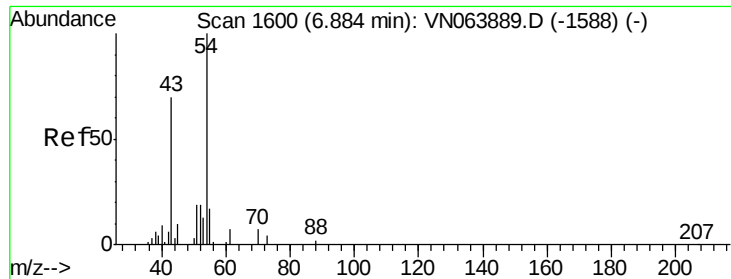
Tot Ion	83	Resp	94187
Ion Ratio	Lower	Upper	
83	100		
85	64.5	52.6	79.0
127	9.4	7.4	11.0



#42
 Vinyl Acetate
 Concen: 81.525 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Tgt Ion	43	Resp	827785
Ion Ratio	Lower	Upper	
43	100		
86	7.5	6.7	10.1

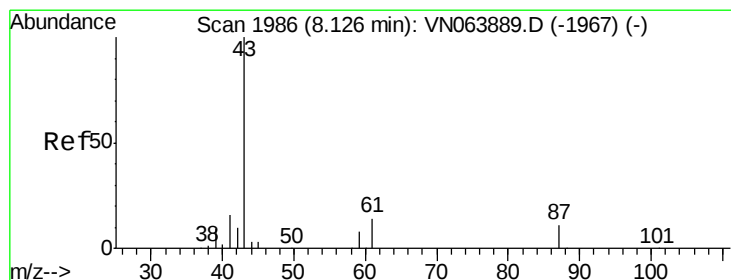
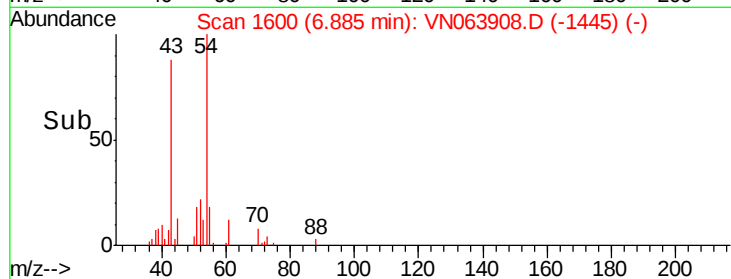
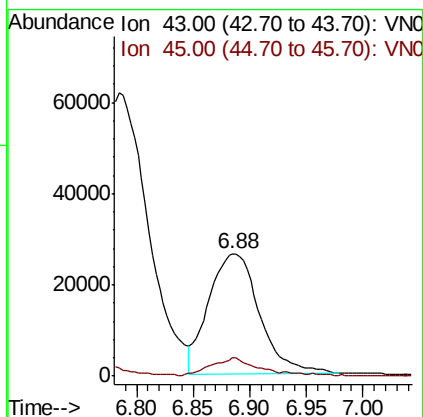
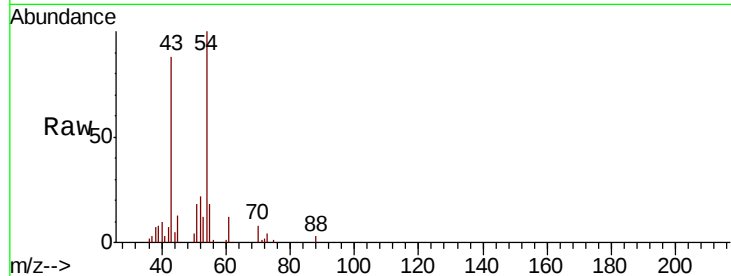




#43
Ethyl Acetate
Concen: 15.684 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

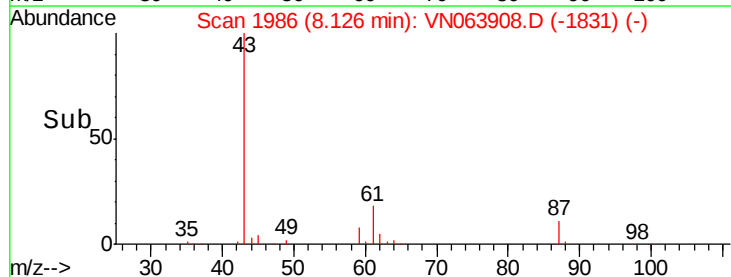
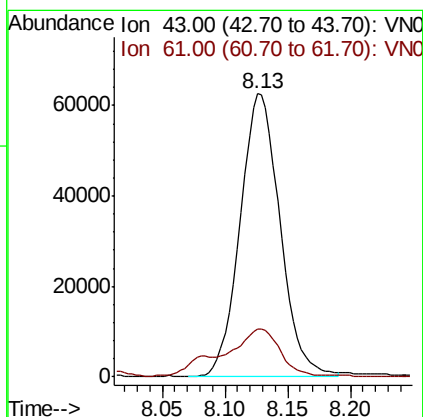
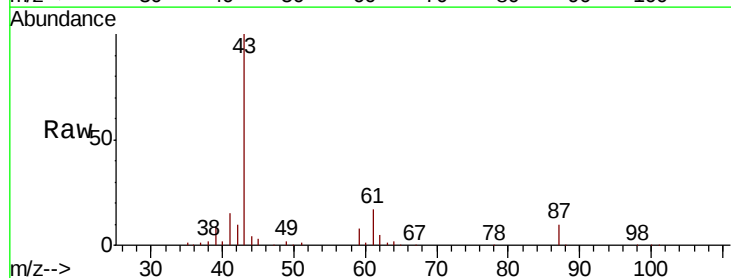
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

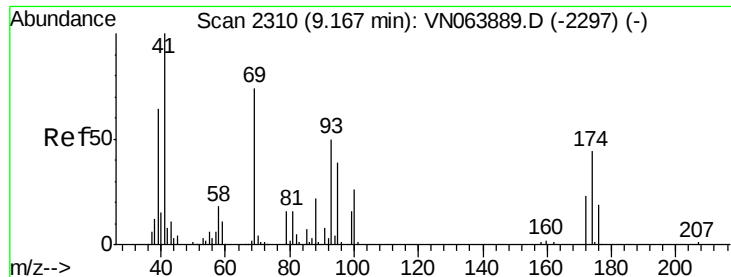
Tot Ion: 43 Resp: 82172
Ion Ratio Lower Upper
43 100
45 11.8 11.3 16.9



#44
Isopropyl Acetate
Concen: 15.889 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion: 43 Resp: 137962
Ion Ratio Lower Upper
43 100
61 16.9 17.5 26.3#

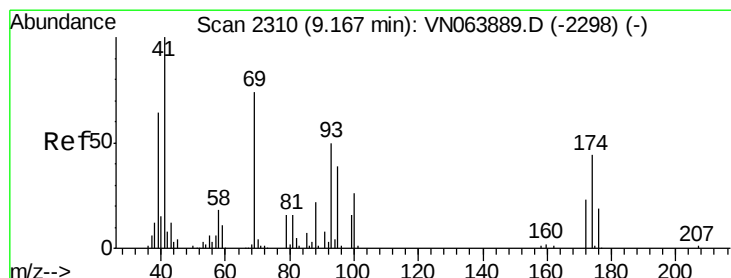
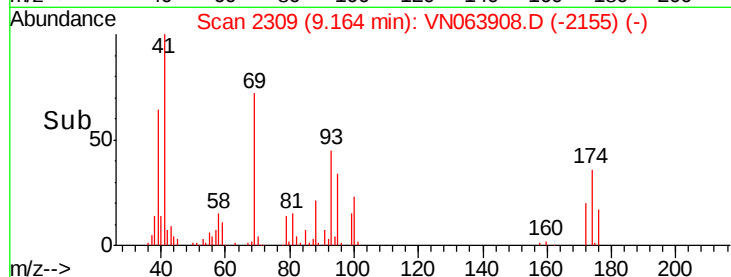
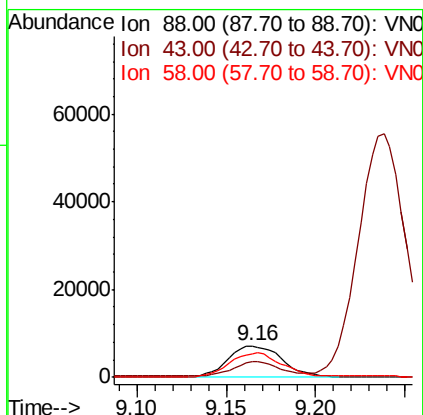
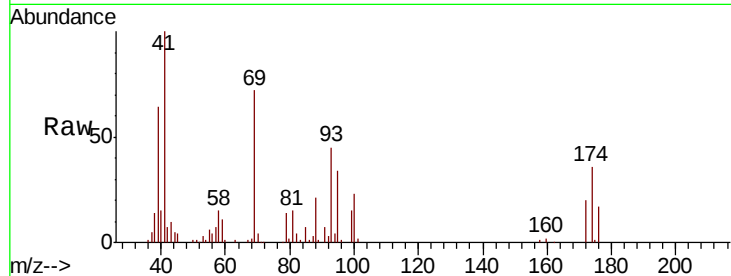




#45
 1,4-Dioxane
 Concen: 274.179 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

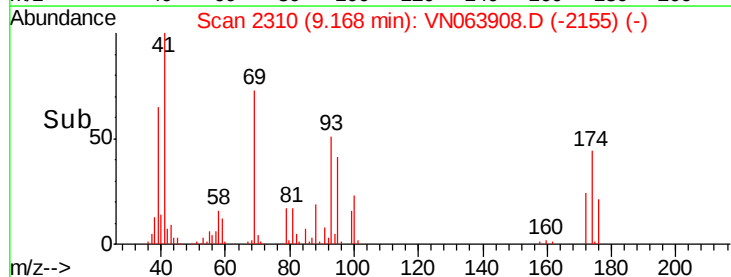
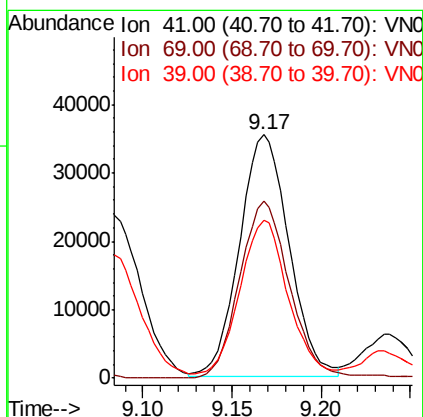
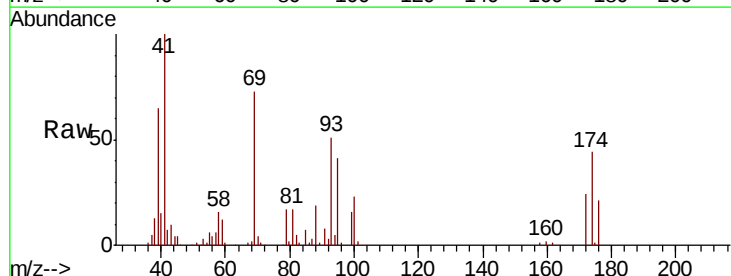
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

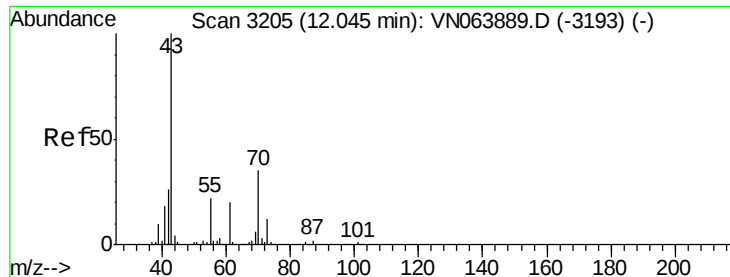
Tot Ion: 88 Resp: 15263
 Ion Ratio Lower Upper
 88 100
 43 35.3 28.5 42.7
 58 75.1 59.6 89.4



#46
 Methyl methacrylate
 Concen: 15.966 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Tgt Ion: 41 Resp: 68971
 Ion Ratio Lower Upper
 41 100
 69 74.0 42.6 128.0
 39 63.8 25.1 75.4

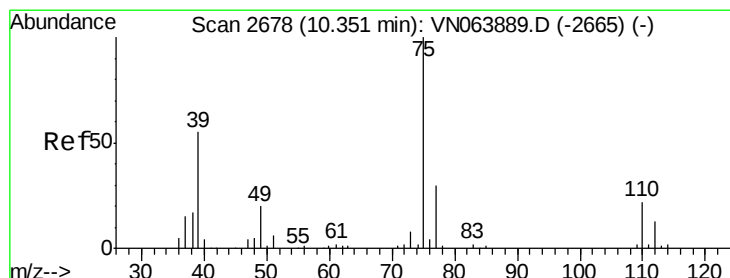
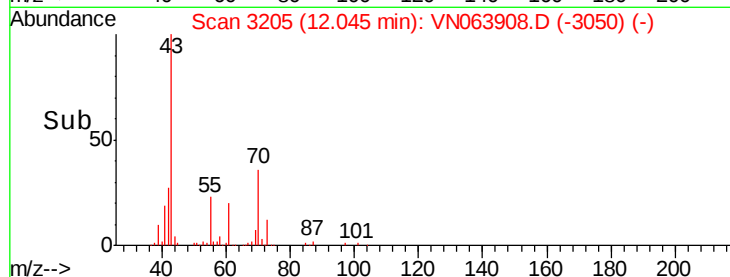
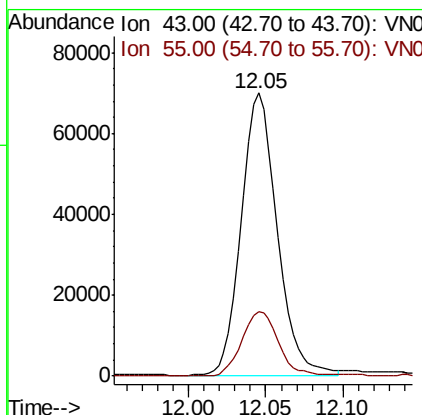
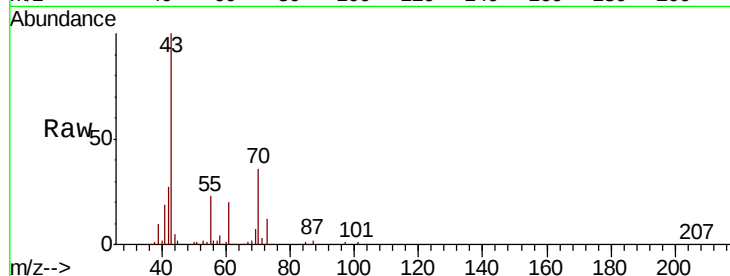




#47
n-amyl Acetate
Concen: 14.595 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

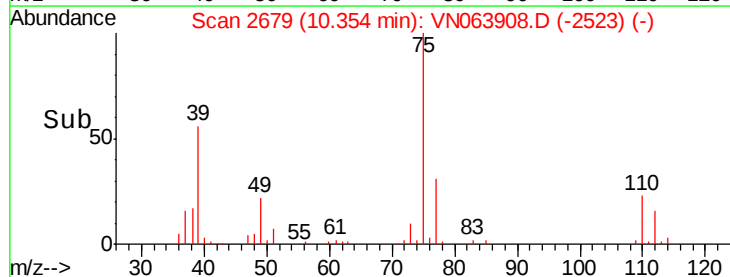
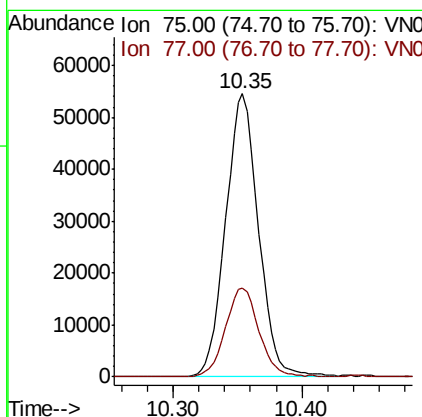
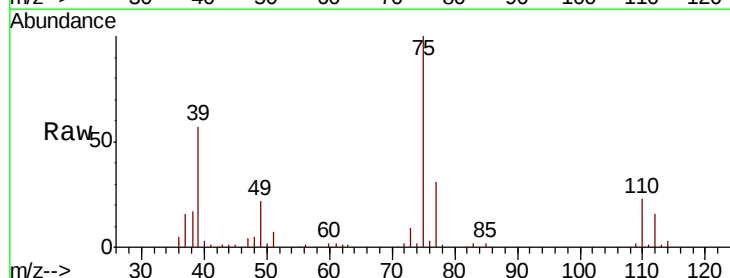
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

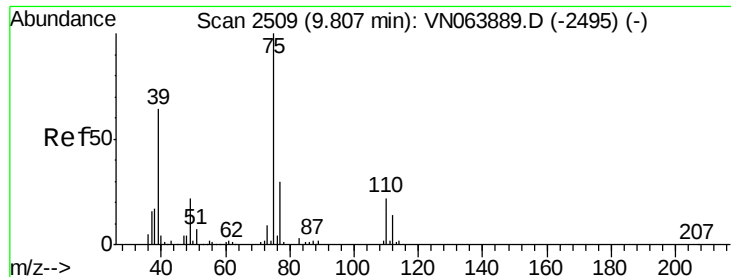
Tot Ion: 43 Resp: 112674
Ion Ratio Lower Upper
43 100
55 23.5 21.2 31.8



#48
t-1,3-Dichloropropene
Concen: 15.970 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion: 75 Resp: 96531
Ion Ratio Lower Upper
75 100
77 31.5 23.8 35.8



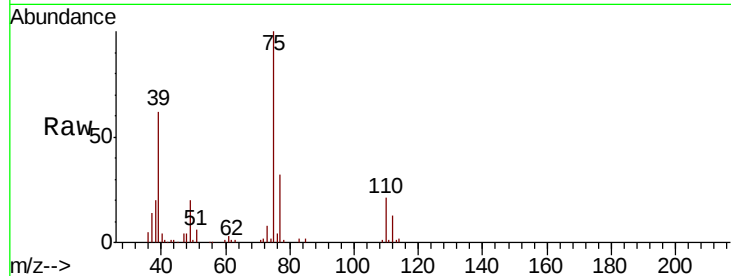


#49

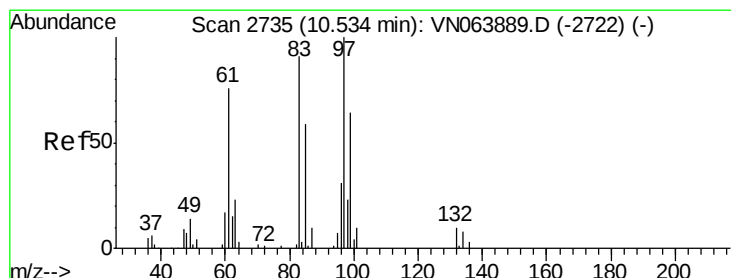
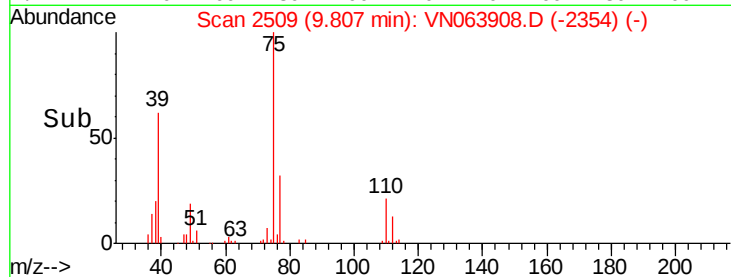
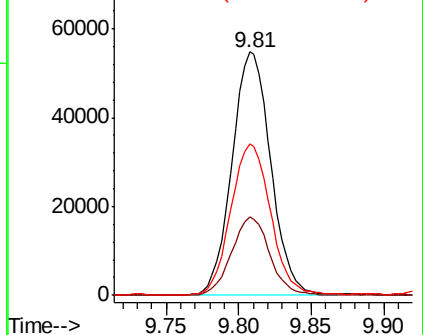
cis-1,3-Dichloropropene
 Concen: 16.269 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.8	37.2
39	61.7	34.5	51.7#



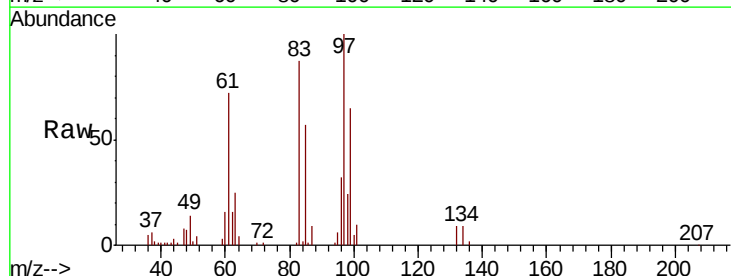
Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO



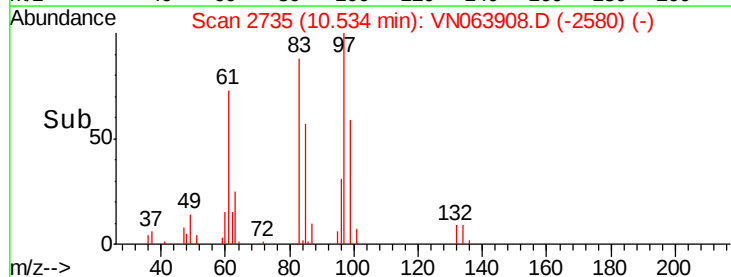
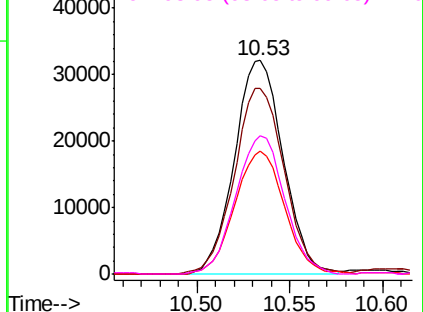
#50

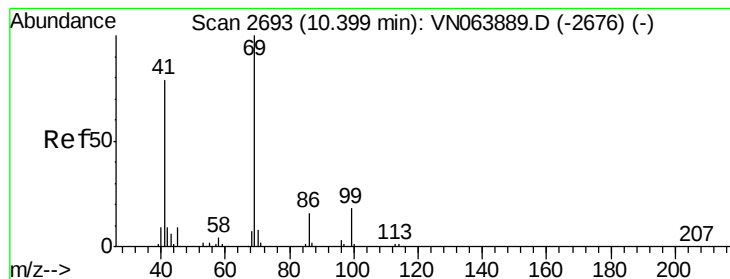
1,1,2-Trichloroethane
 Concen: 16.307 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.2	69.9	104.9
85	57.3	44.0	66.0
99	65.0	50.6	76.0



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





#51

Ethyl methacrylate

Concen: 15.651 ug/l

RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

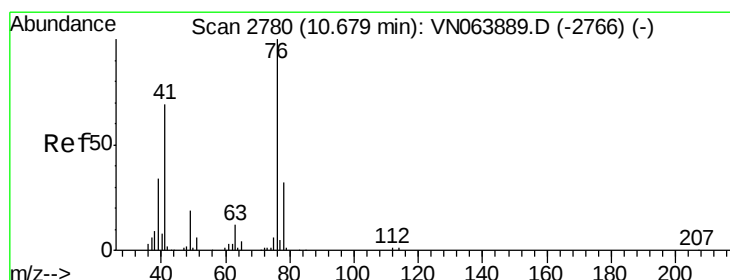
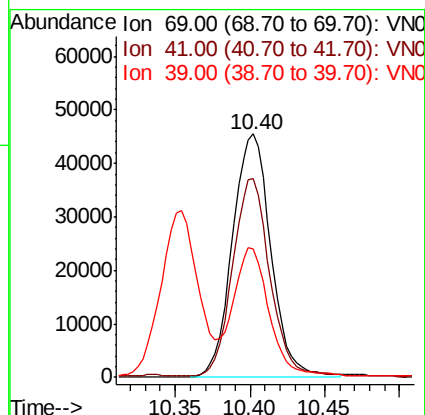
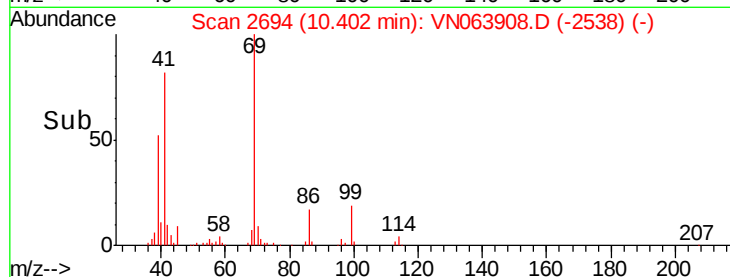
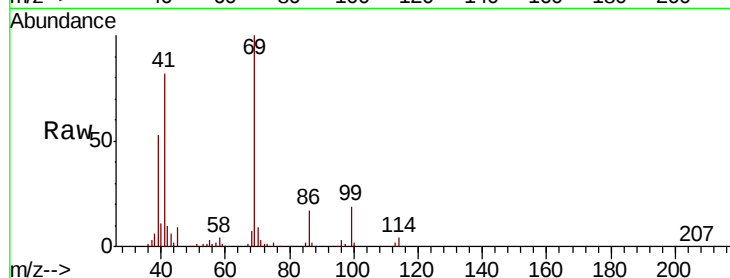
Tot Ion: 69 Resp: 81586

Ion Ratio Lower Upper

69 100

41 80.9 32.1 96.5

39 51.7 16.1 48.3#



#52

1,3-Dichloropropane

Concen: 16.589 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. -0.00 min

Lab File: VN063908.D

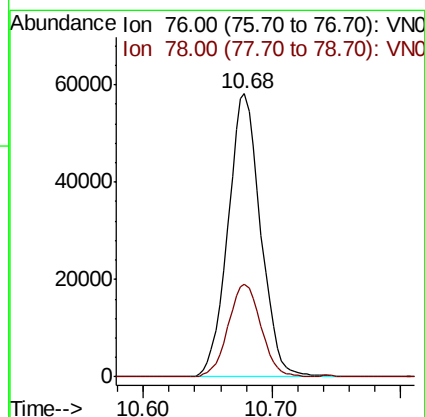
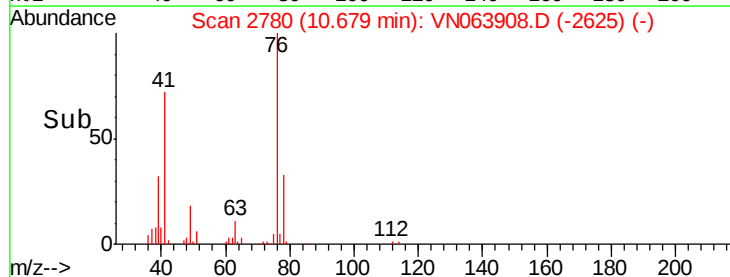
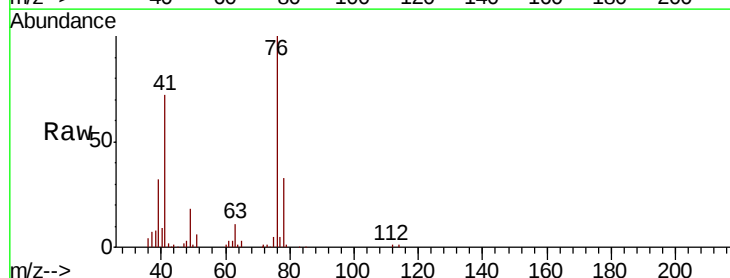
Acq: 6 Oct 2020 21:06

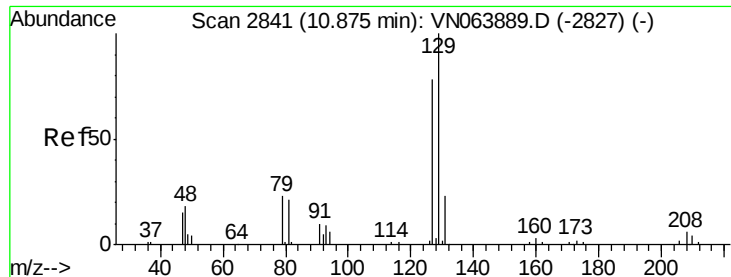
Tgt Ion: 76 Resp: 102121

Ion Ratio Lower Upper

76 100

78 32.9 0.0 63.2





#53

Dibromochloromethane

Concen: 16.015 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

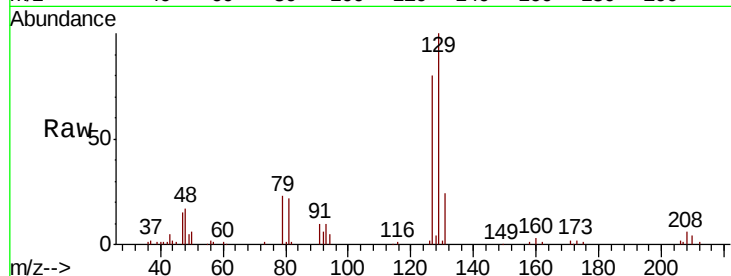
VSTDCCC020EC

Tot Ion:129 Resp: 66240

Ion Ratio Lower Upper

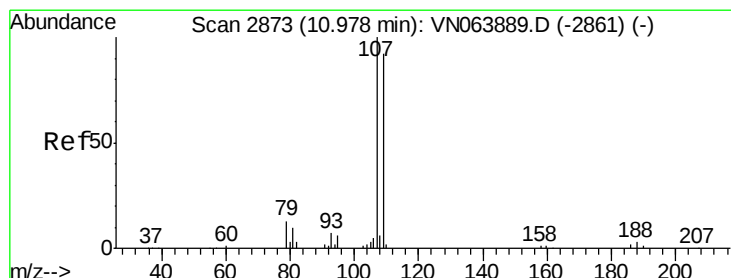
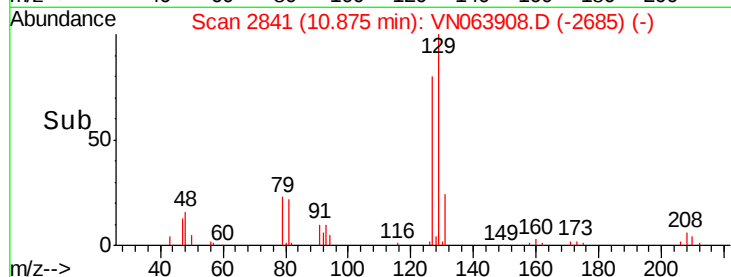
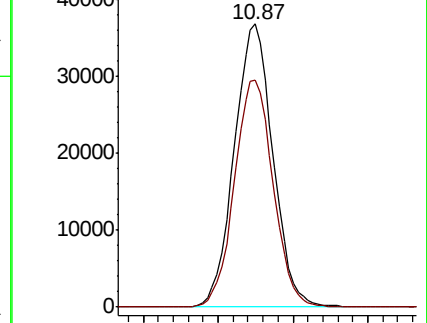
129 100

127 80.3 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 16.322 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN063908.D

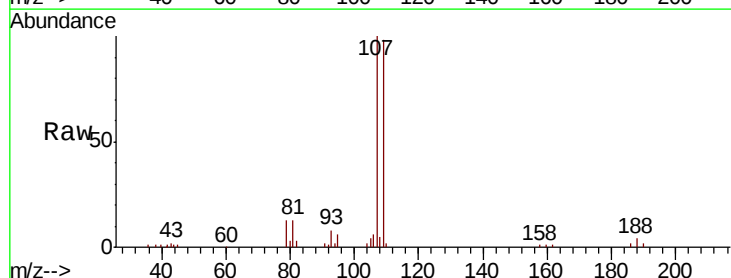
Acq: 6 Oct 2020 21:06

Tgt Ion:107 Resp: 61502

Ion Ratio Lower Upper

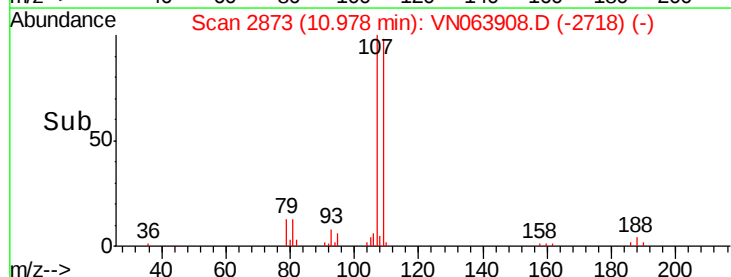
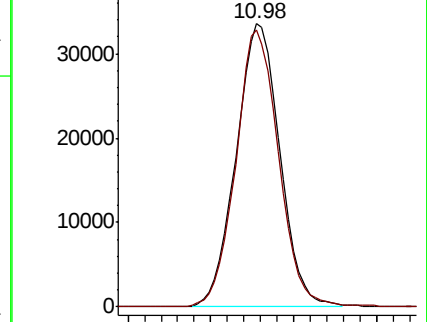
107 100

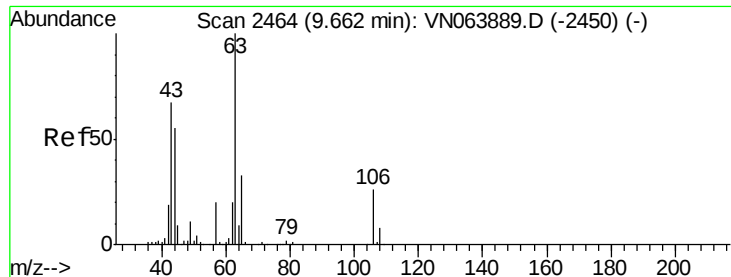
109 95.7 76.3 114.5



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: 78.828 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

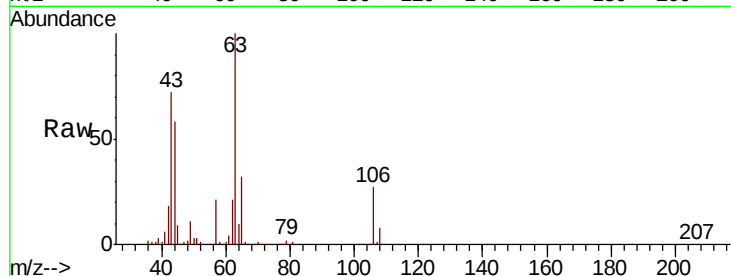
Tot Ion: 63 Resp: 219273

Ion Ratio Lower Upper

63 100

65 31.9 25.9 38.9

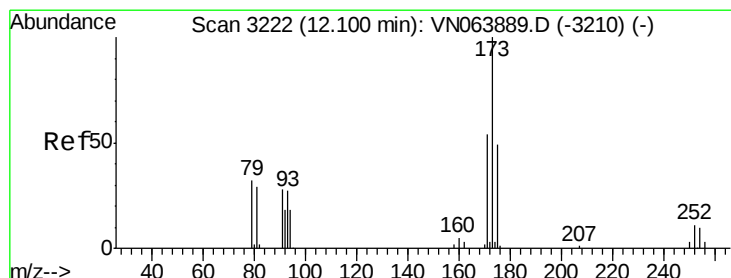
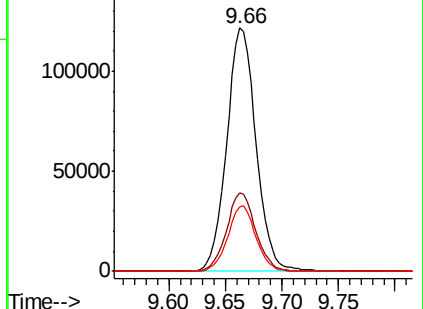
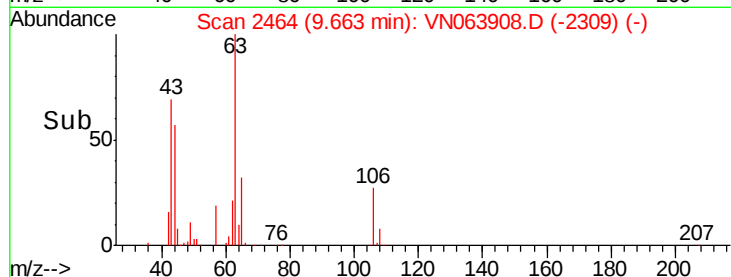
106 25.9 19.9 29.9



Abundance Ion 63.00 (62.70 to 63.70): VN063908.D (-2309) (-)

Ion 65.00 (64.70 to 65.70): VN063908.D (-2309) (-)

Ion 106.00 (105.70 to 106.70): VN063908.D (-2309) (-)



#56

Bromoform

Concen: 15.816 ug/l

RT: 12.10 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

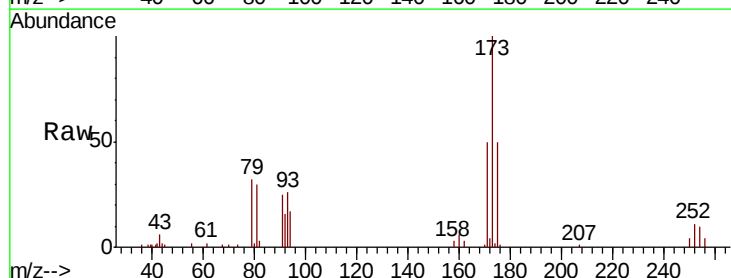
Tgt Ion: 173 Resp: 45331

Ion Ratio Lower Upper

173 100

175 47.4 41.2 61.8

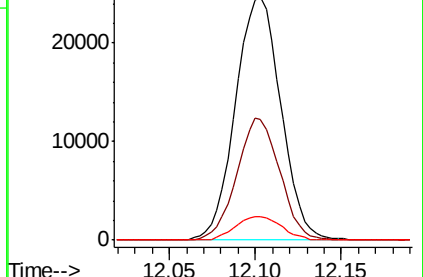
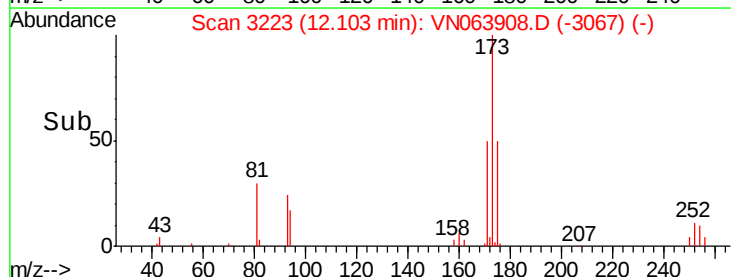
254 9.7 9.0 13.4

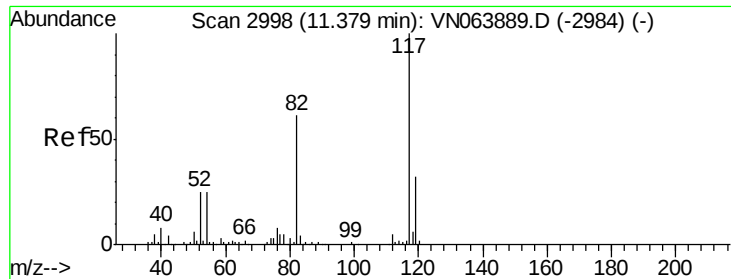


Abundance Ion 173.00 (172.70 to 173.70): VN063908.D (-3067) (-)

Ion 175.00 (174.70 to 175.70): VN063908.D (-3067) (-)

Ion 254.00 (253.70 to 254.70): VN063908.D (-3067) (-)

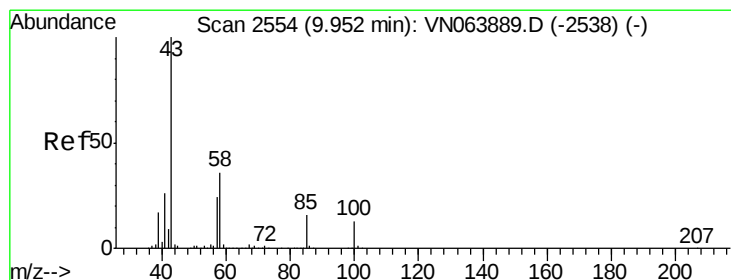
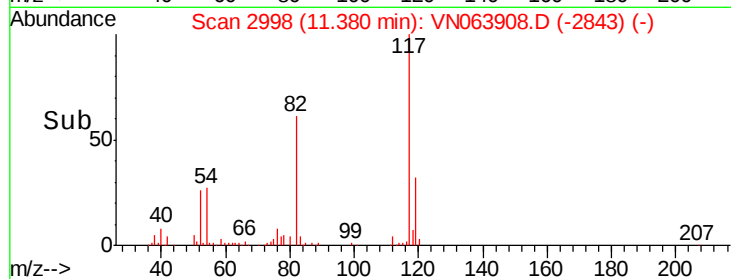
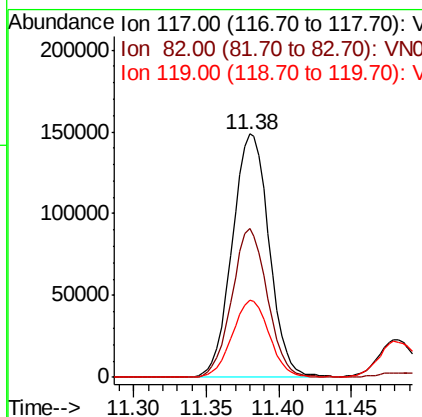
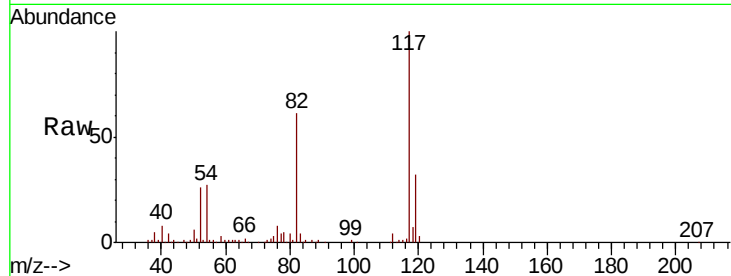




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

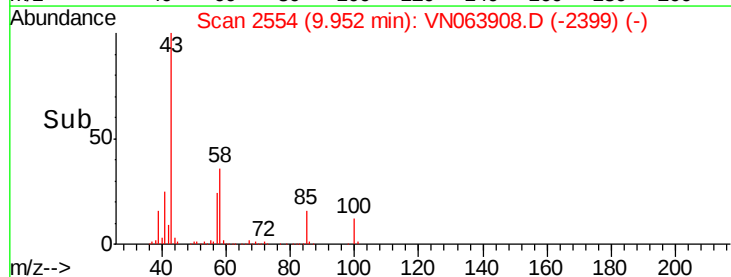
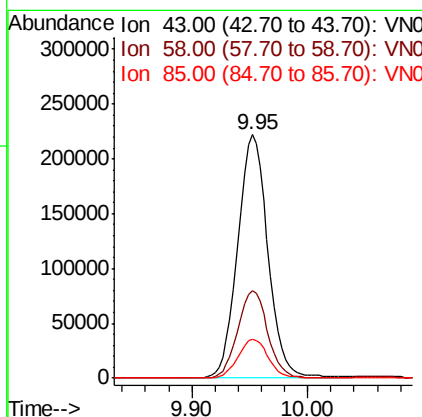
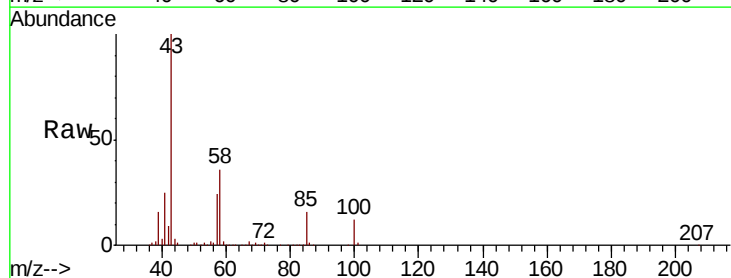
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

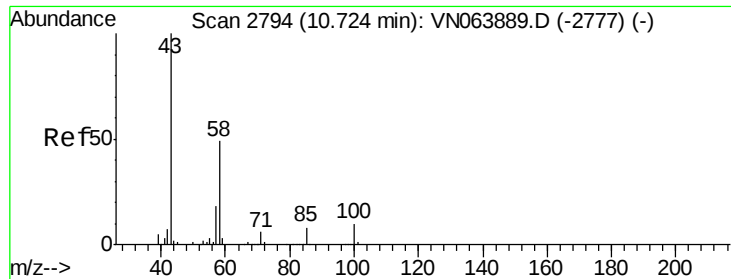
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.9	44.9	67.3
119	31.8	26.0	39.0



#58
4-Methyl-2-Pentanone
Concen: 78.566 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.7	31.4	47.0
85	16.1	13.4	20.2

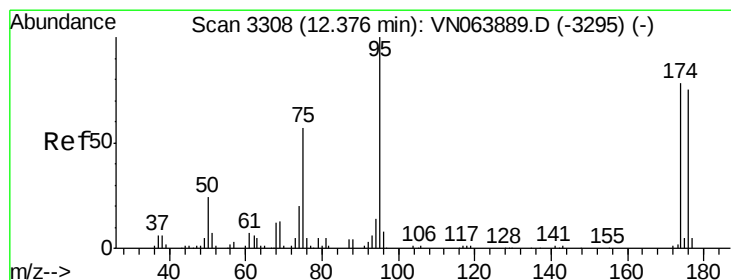
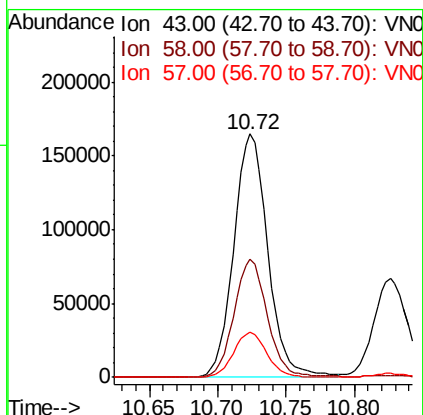
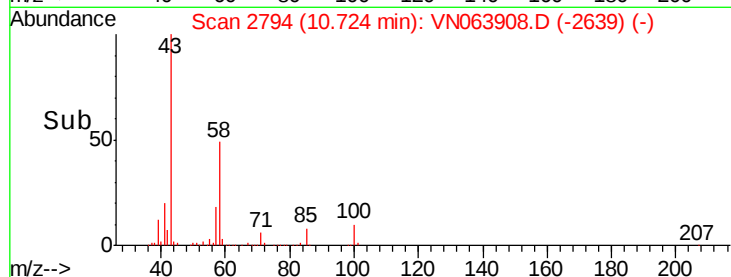
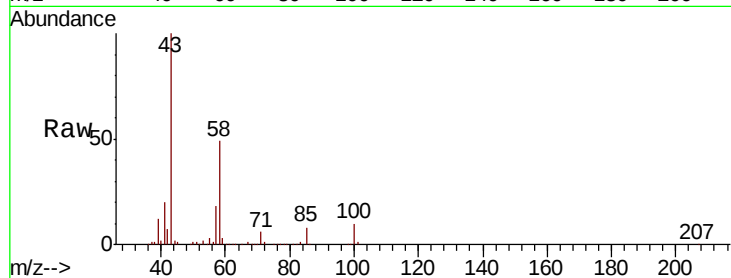




#59
2-Hexanone
Concen: 74.945 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

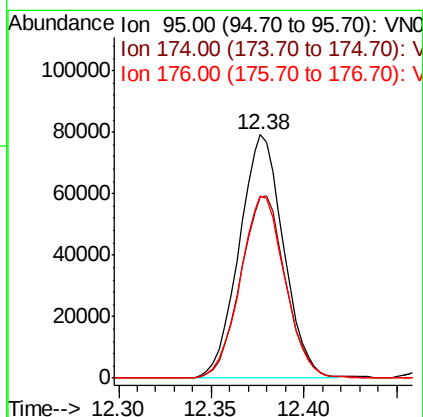
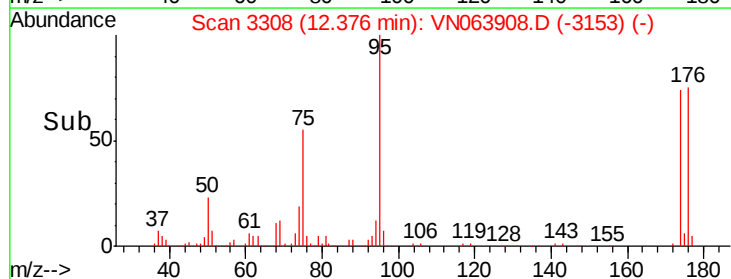
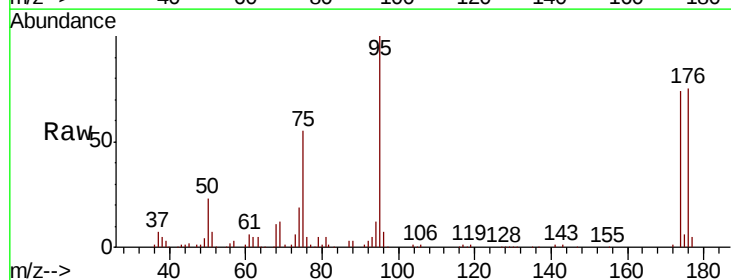
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

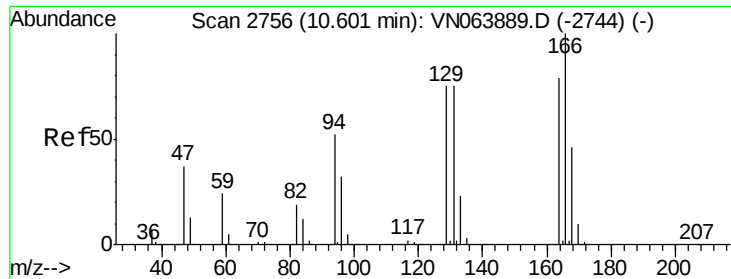
Tot Ion: 43 Resp: 284617
Ion Ratio Lower Upper
43 100
58 47.9 42.6 64.0
57 18.2 14.6 21.8



#60
4-Bromofluorobenzene
Concen: 29.072 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion: 95 Resp: 130613
Ion Ratio Lower Upper
95 100
174 76.1 70.1 105.1
176 75.6 66.8 100.2

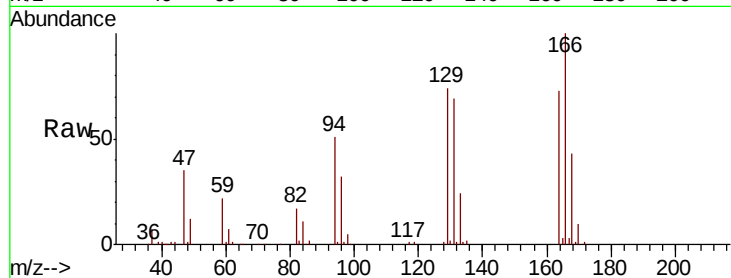




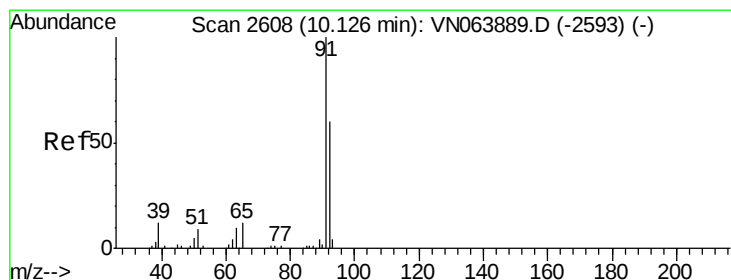
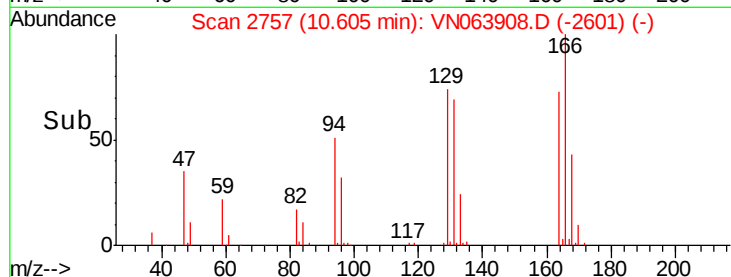
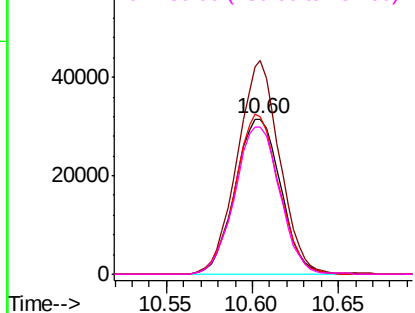
#61
Tetrachloroethene
Concen: 17.419 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:164 Resp: 58055
Ion Ratio Lower Upper
164 100
166 137.3 100.1 150.1
129 101.3 72.5 108.7
131 94.7 68.4 102.6

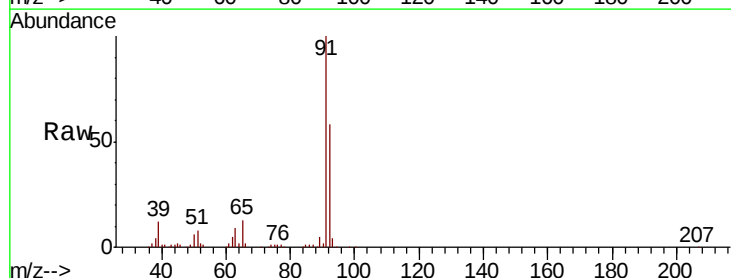


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

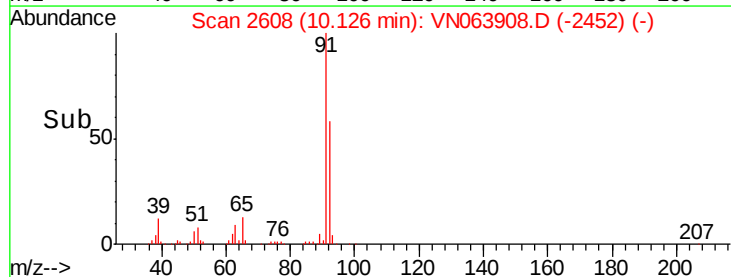
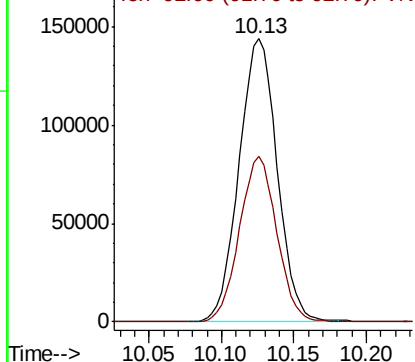


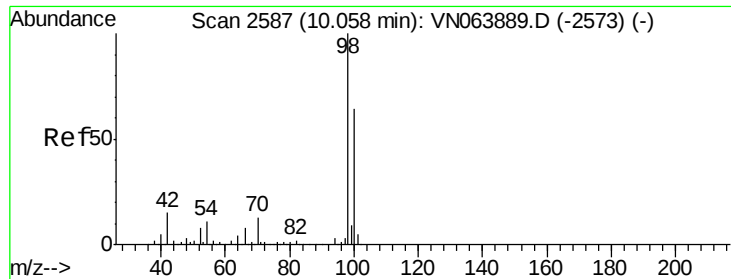
#62
Toluene
Concen: 17.447 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion: 91 Resp: 263251
Ion Ratio Lower Upper
91 100
92 57.2 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.396 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

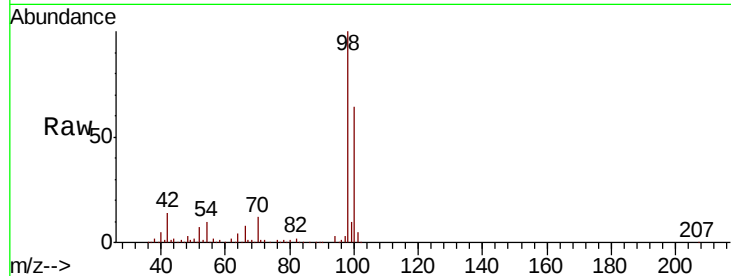
VSTDCCC020EC

Tot Ion: 98 Resp: 361885

Ion Ratio Lower Upper

98 100

100 63.1 51.4 77.2



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

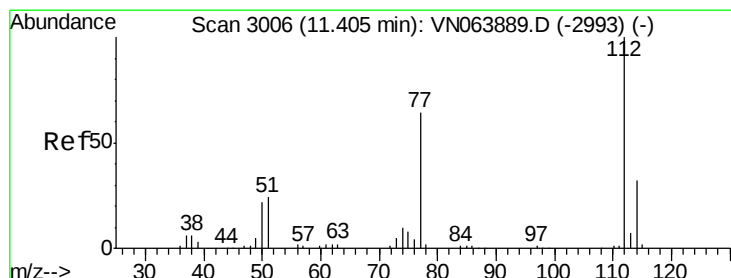
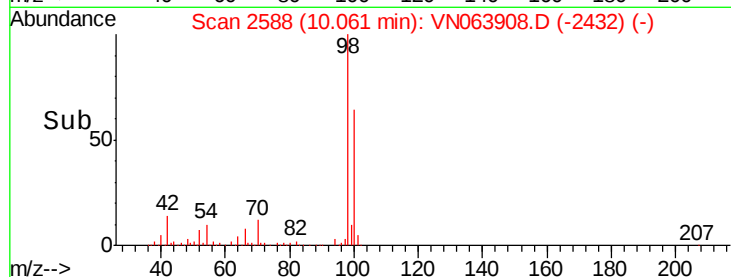
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 17.432 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VN063908.D

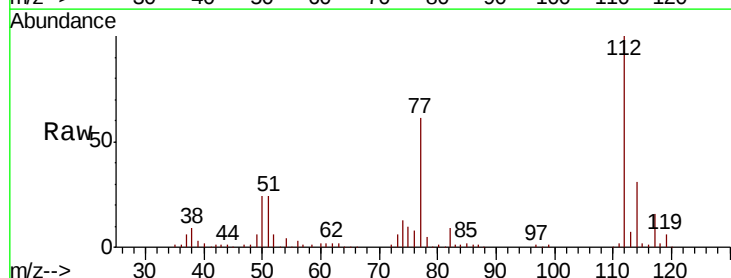
Acq: 6 Oct 2020 21:06

Tgt Ion: 112 Resp: 159421

Ion Ratio Lower Upper

112 100

114 30.9 25.1 37.7



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

100000

80000

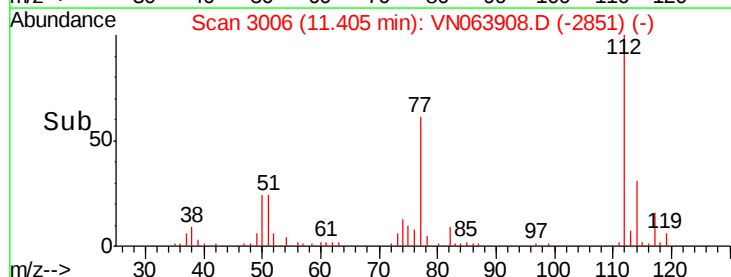
60000

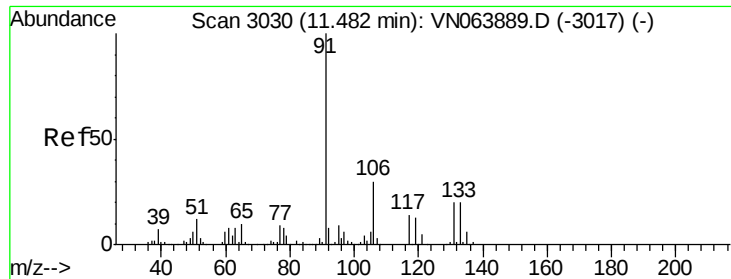
40000

20000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 17.164 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

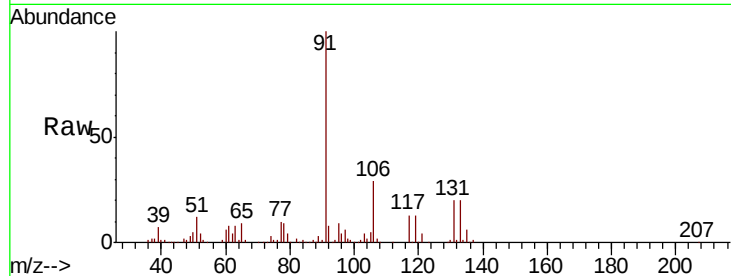
Tot Ion:131 Resp: 61389

Ion Ratio Lower Upper

131 100

133 97.2 0.0 191.2

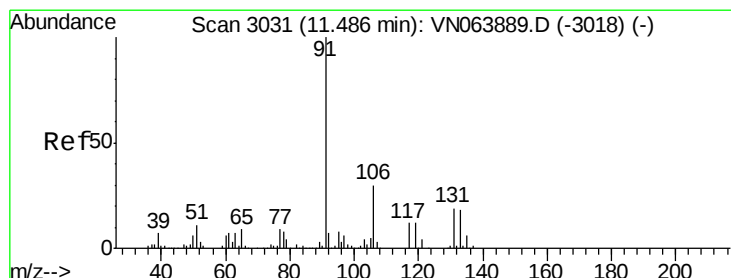
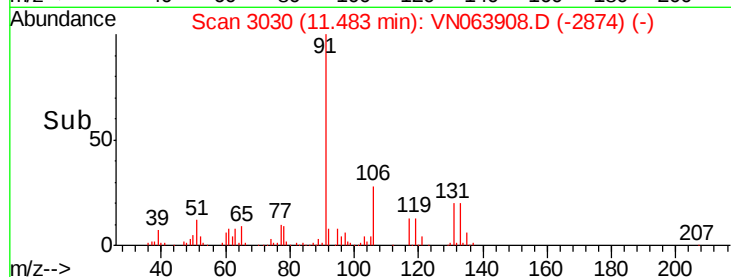
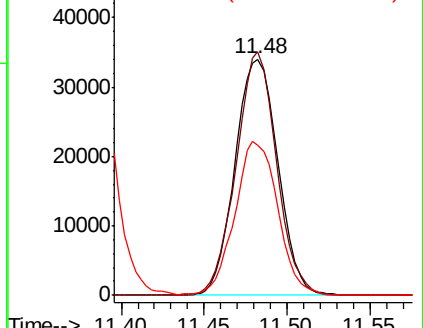
119 65.3 0.0 134.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 17.460 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN063908.D

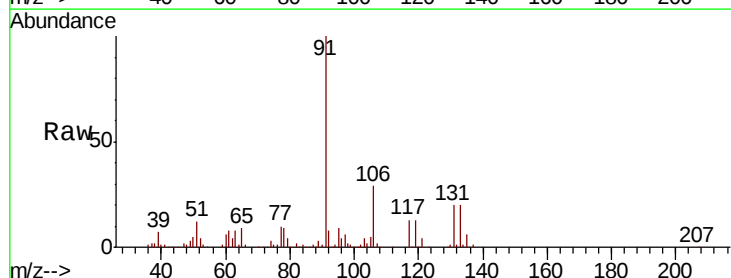
Acq: 6 Oct 2020 21:06

Tgt Ion: 91 Resp: 289294

Ion Ratio Lower Upper

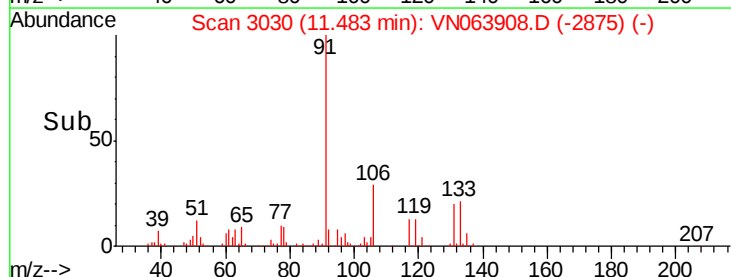
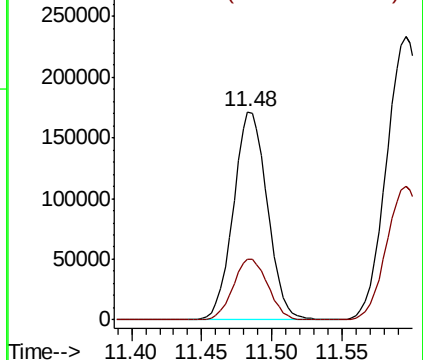
91 100

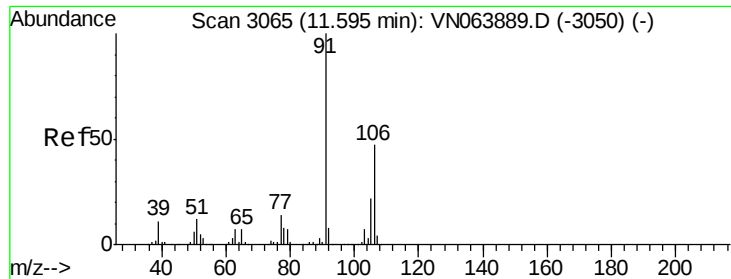
106 29.3 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

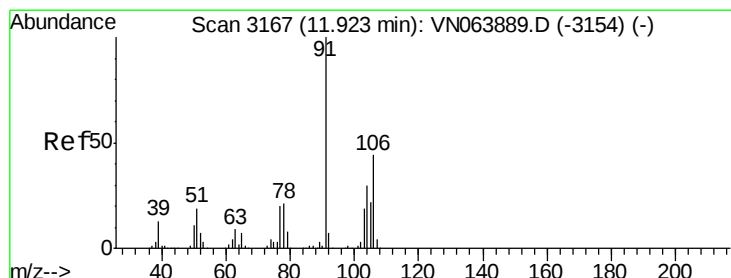
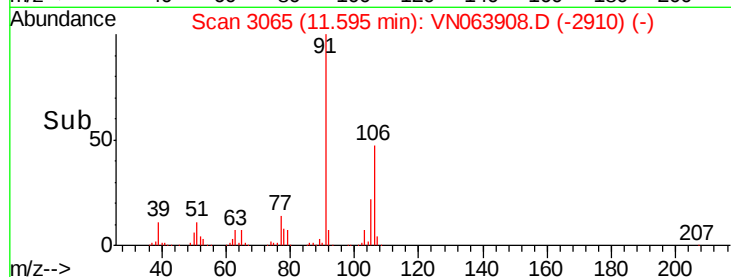
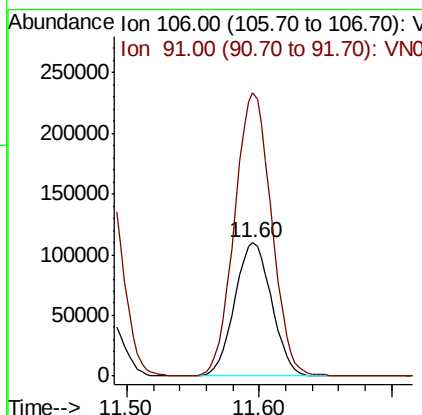
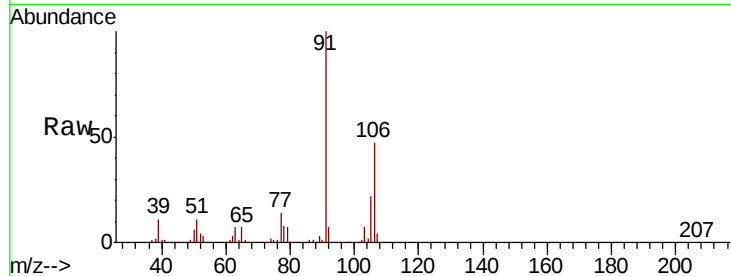




#67
m/p-Xylenes
Concen: 34.631 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

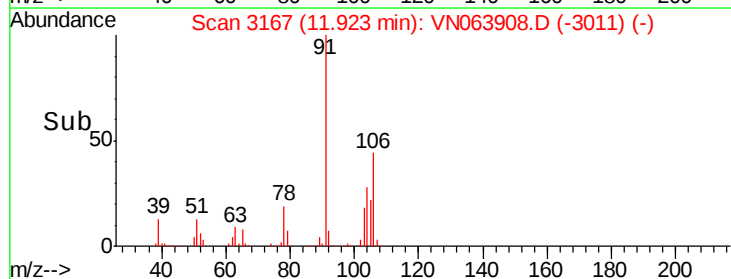
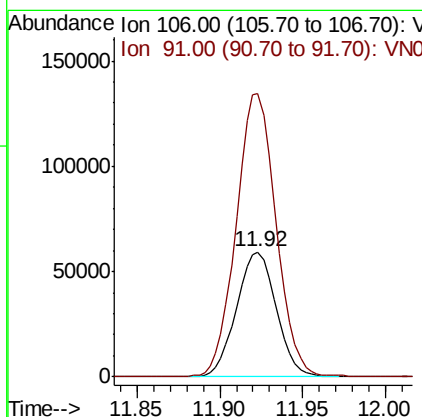
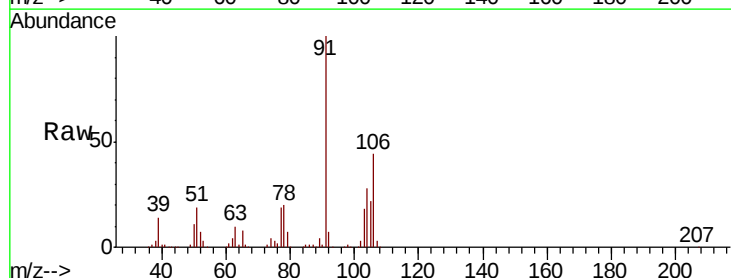
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

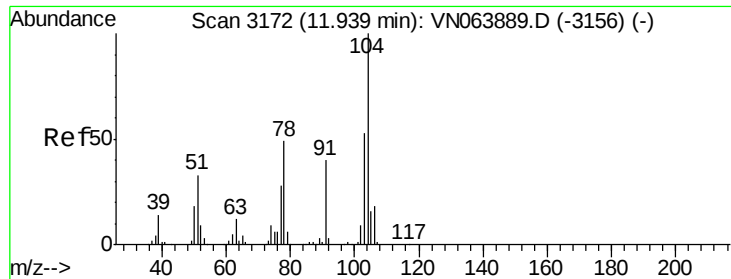
Tot Ion:106 Resp: 213378
Ion Ratio Lower Upper
106 100
91 211.0 164.9 247.3



#68
o-Xylene
Concen: 16.887 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion:106 Resp: 99132
Ion Ratio Lower Upper
106 100
91 227.6 108.0 324.0

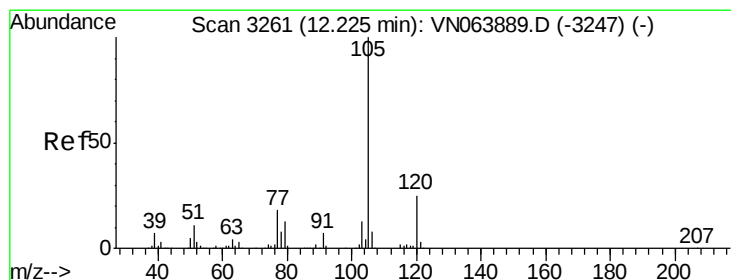
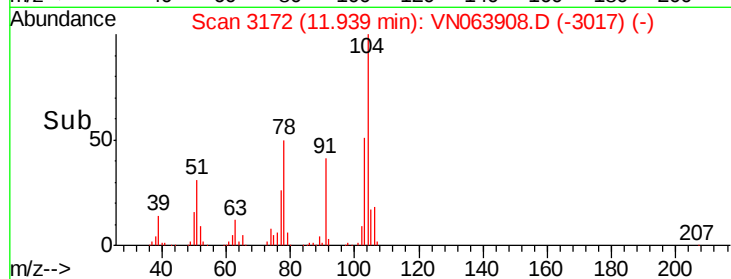
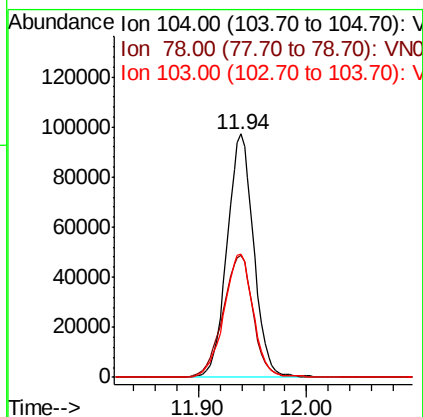
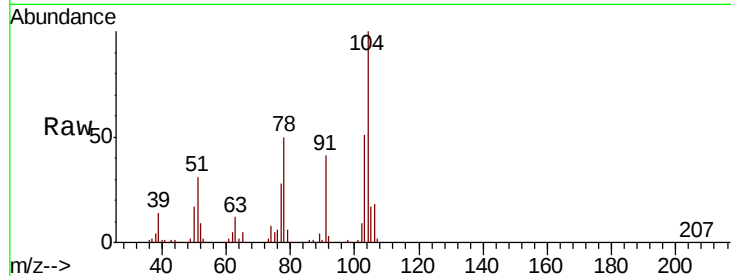




#69
Stvrene
Concen: 16.723 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

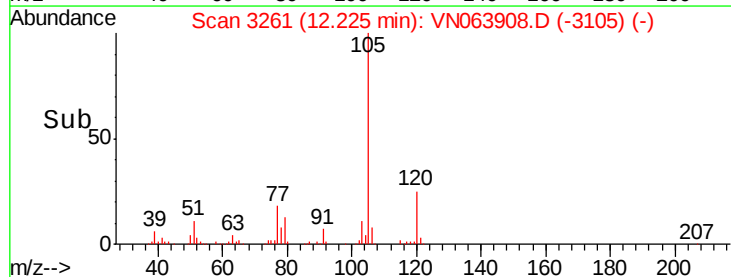
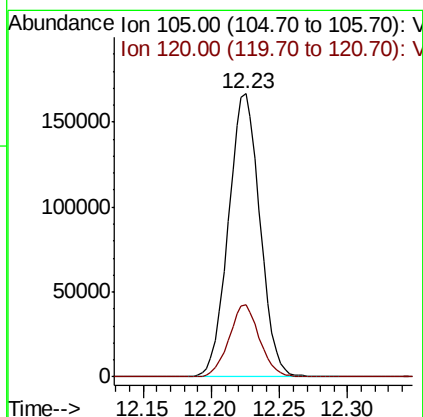
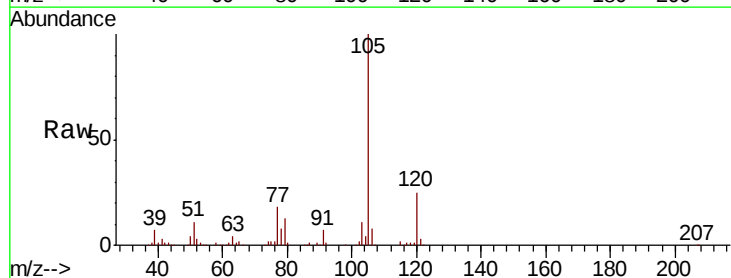
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

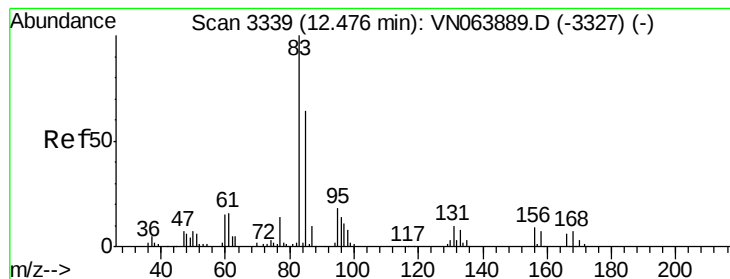
Tot Ion:104 Resp: 167504
Ion Ratio Lower Upper
104 100
78 56.4 39.6 59.4
103 55.5 44.4 66.6



#70
Isopropylbenzene
Concen: 17.156 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion:105 Resp: 267610
Ion Ratio Lower Upper
105 100
120 24.8 18.5 34.3





#71

1,1,2,2-Tetrachloroethane

Concen: 16.781 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

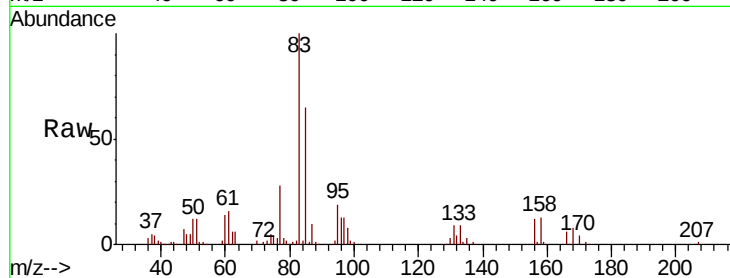
Tot Ion: 83 Resp: 82742

Ion Ratio Lower Upper

83 100

131 10.4 4.5 13.7

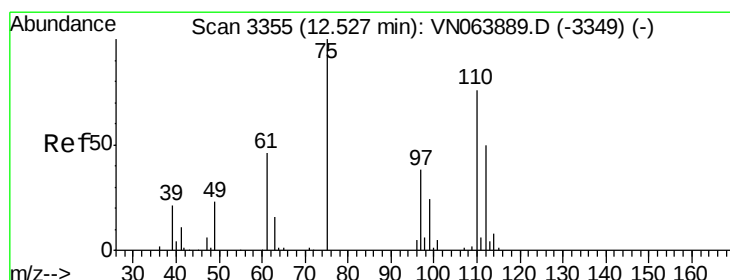
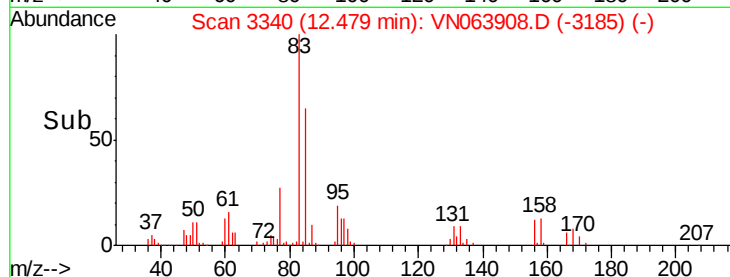
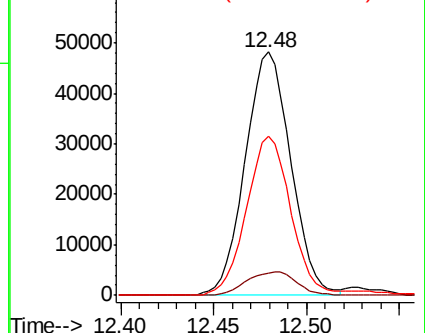
85 63.2 31.8 95.3



Abundance Ion 83.00 (82.70 to 83.70): VN063908.D (-3185) (-)

Ion 131.00 (130.70 to 131.70): VN063908.D (-3185) (-)

Ion 85.00 (84.70 to 85.70): VN063908.D (-3185) (-)



#72

1,2,3-Trichloropropane

Concen: 22.358 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN063908.D

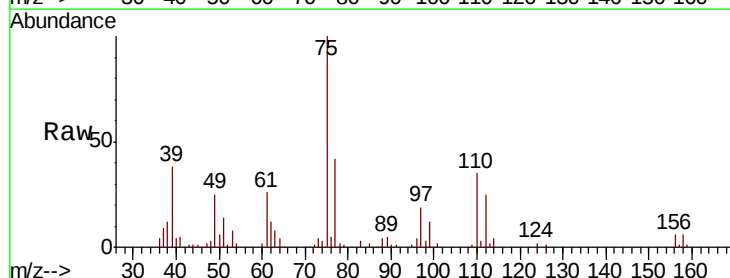
Acq: 6 Oct 2020 21:06

Tgt Ion: 75 Resp: 112410

Ion Ratio Lower Upper

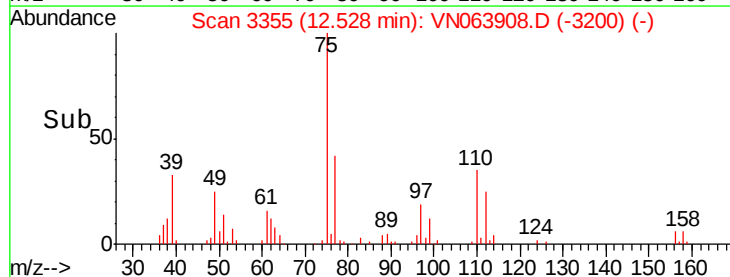
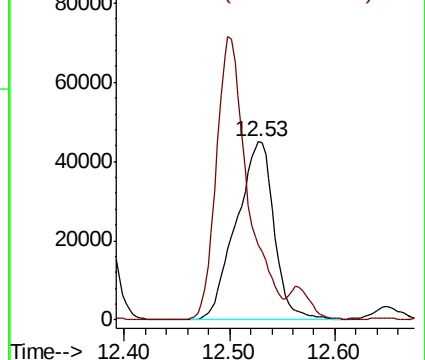
75 100

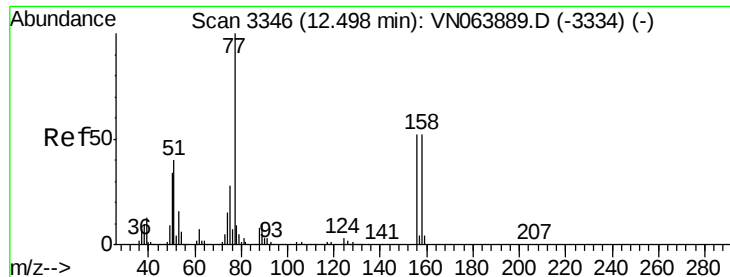
77 132.7 0.0 387.8



Abundance Ion 75.00 (74.70 to 75.70): VN063908.D (-3200) (-)

Ion 77.00 (76.70 to 77.70): VN063908.D (-3200) (-)





#73

Bromobenzene

Concen: 16.836 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

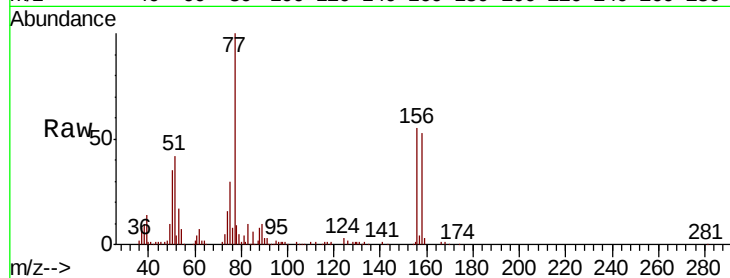
Tot Ion:156 Resp: 66562

Ion Ratio Lower Upper

156 100

77 224.1 0.0 398.6

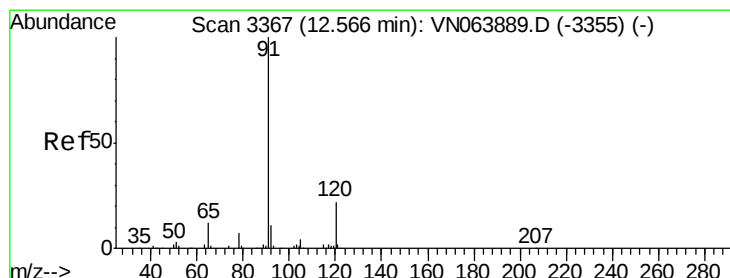
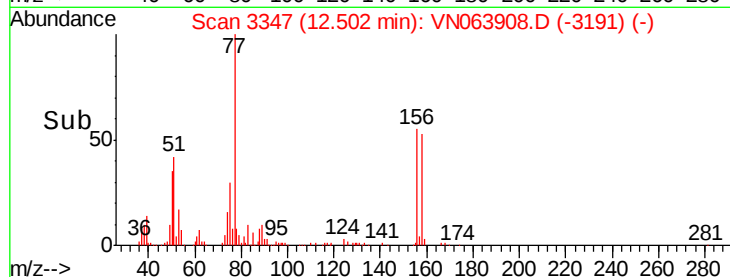
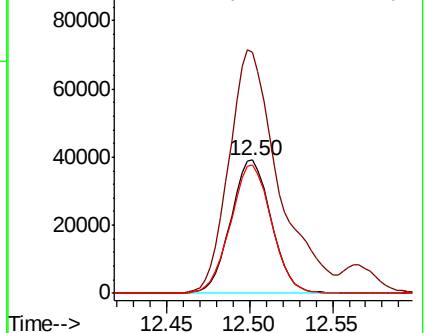
158 98.0 0.0 195.4



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: 16.919 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063908.D

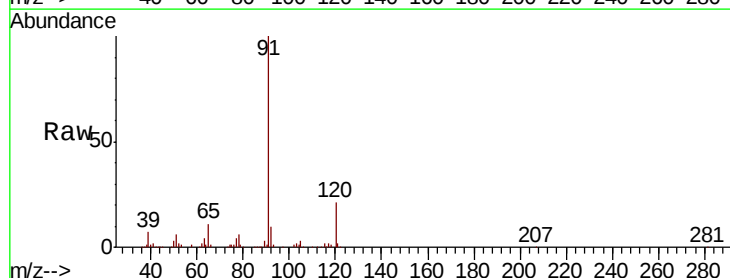
Acq: 6 Oct 2020 21:06

Tgt Ion: 91 Resp: 308521

Ion Ratio Lower Upper

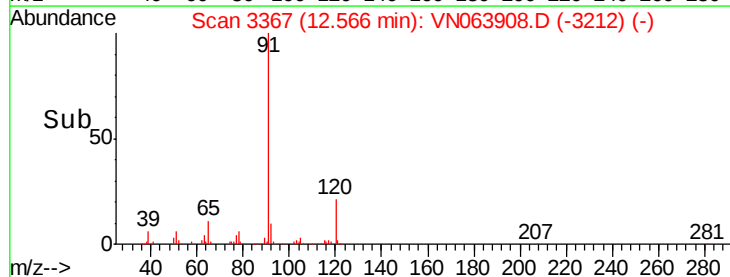
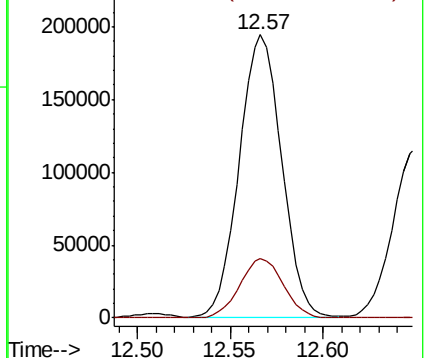
91 100

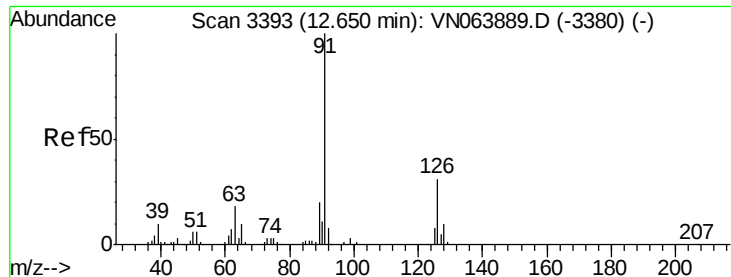
120 21.6 0.0 44.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 17.323 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

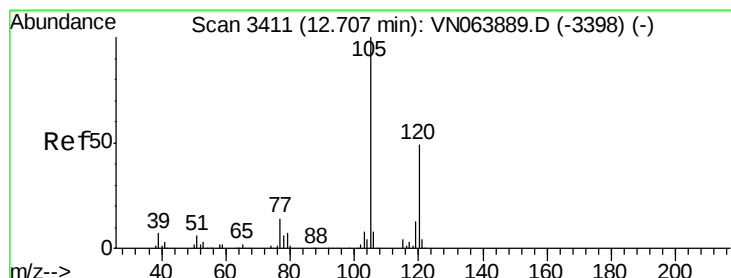
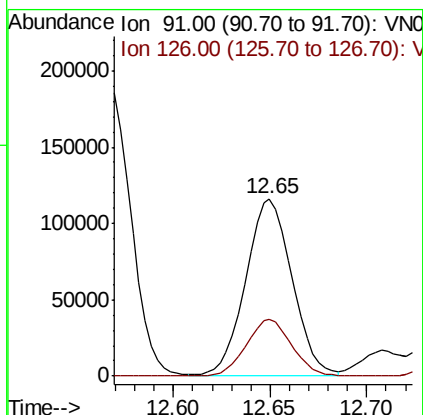
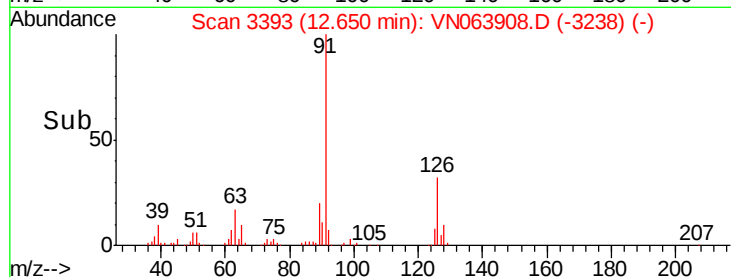
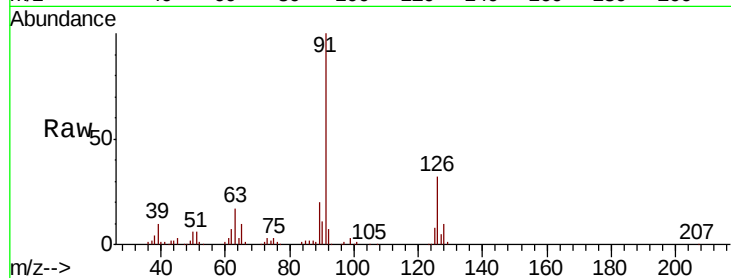
VSTDCCC020EC

Tot Ion: 91 Resp: 192685

Ion Ratio Lower Upper

91 100

126 31.7 0.0 68.0



#76

1,3,5-Trimethylbenzene

Concen: 17.278 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063908.D

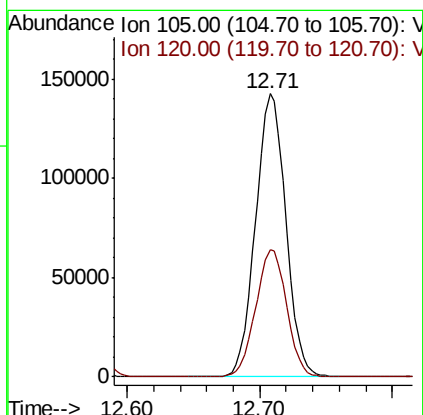
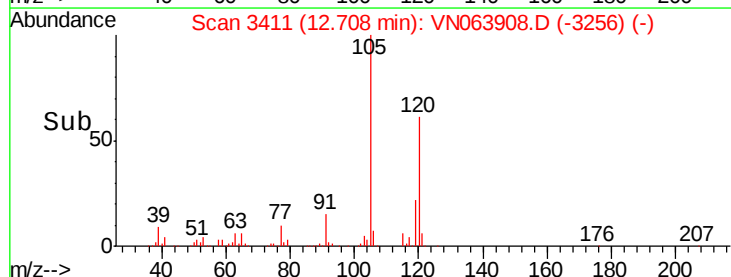
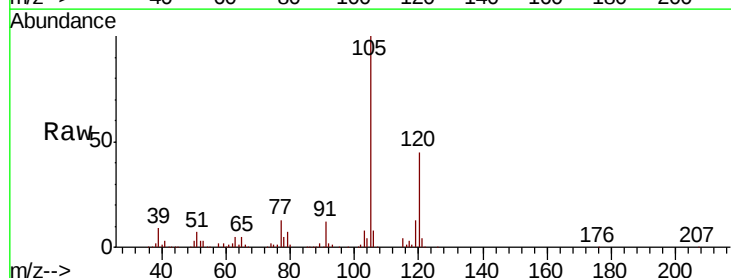
Acq: 6 Oct 2020 21:06

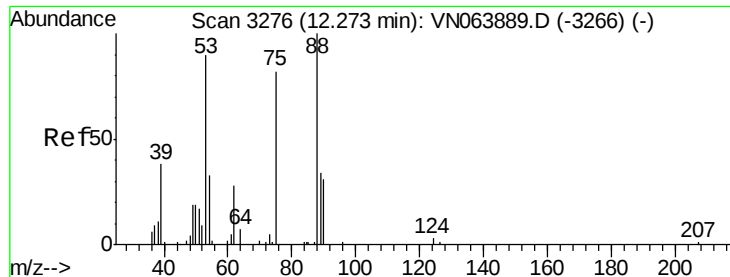
Tgt Ion: 105 Resp: 227280

Ion Ratio Lower Upper

105 100

120 45.9 0.0 95.0





#77

t-1,4-Dichloro-2-butene

Concen: 14.049 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

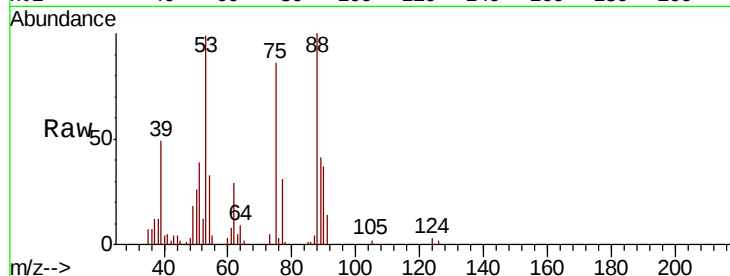
Tot Ion: 75 Resp: 25124

Ion Ratio Lower Upper

75 100

53 114.5 47.0 141.0

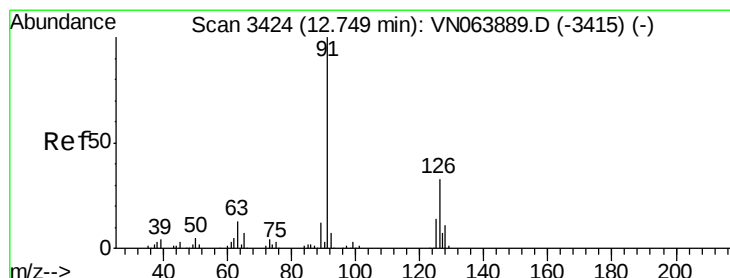
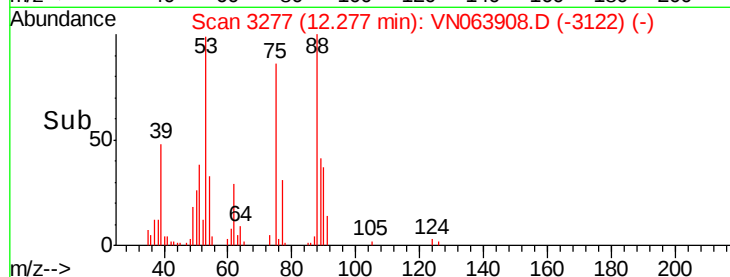
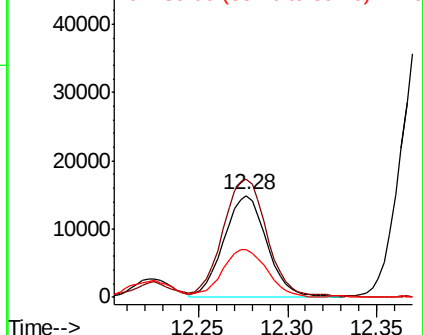
89 46.2 22.9 68.7



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 16.761 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN063908.D

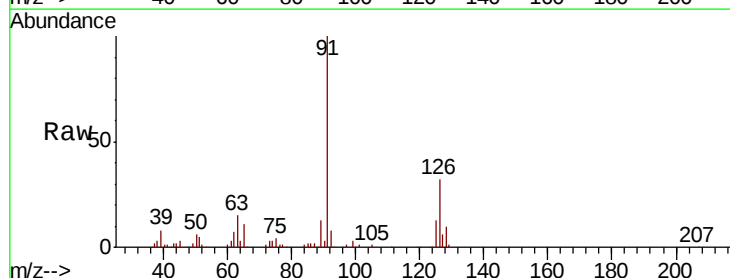
Acq: 6 Oct 2020 21:06

Tgt Ion: 91 Resp: 197422

Ion Ratio Lower Upper

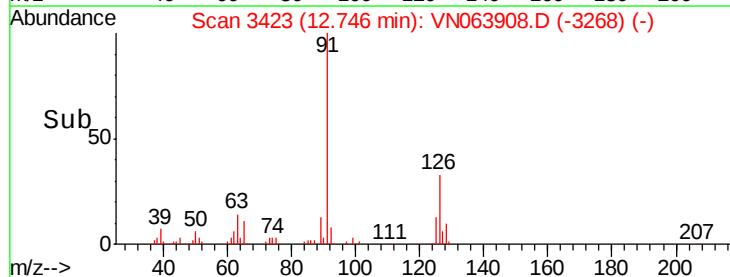
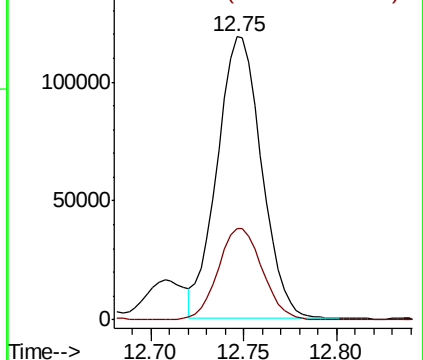
91 100

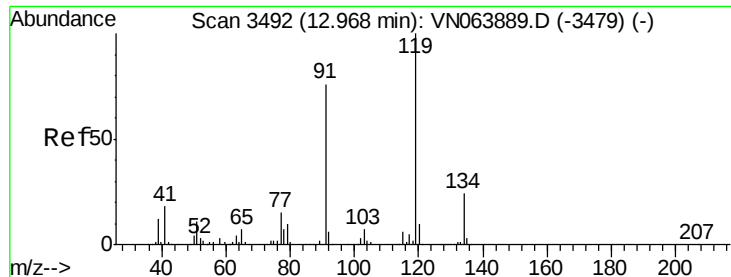
126 32.4 0.0 65.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

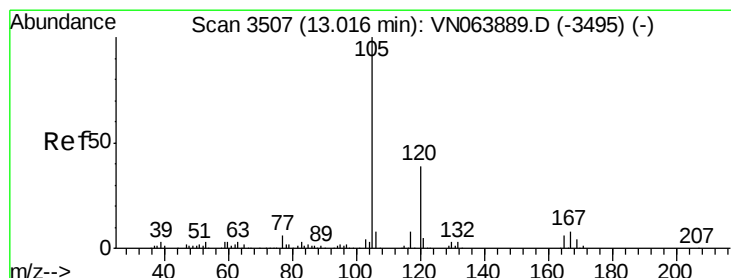
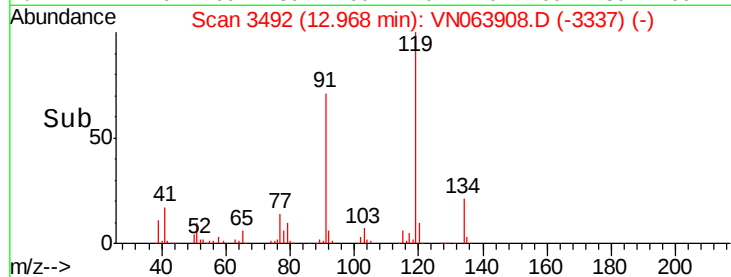
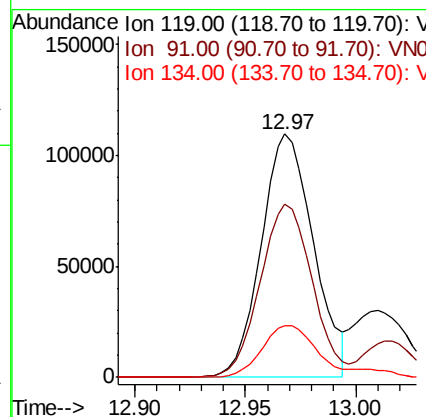
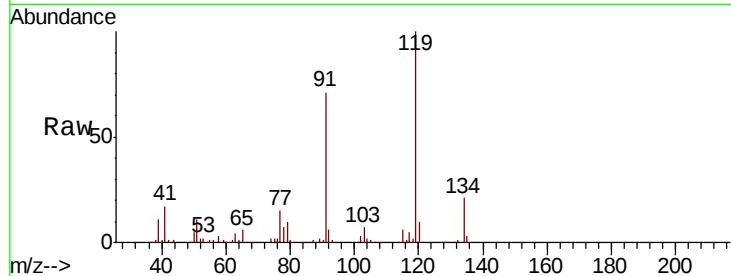




#79
tert-butylbenzene
Concen: 17.127 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

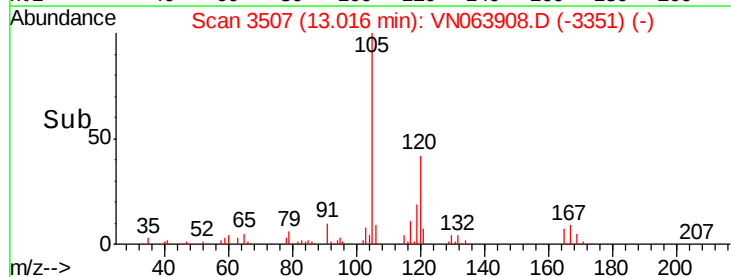
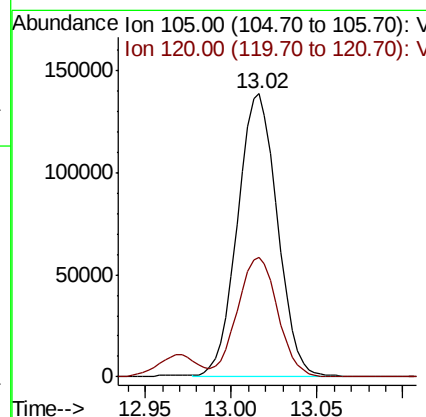
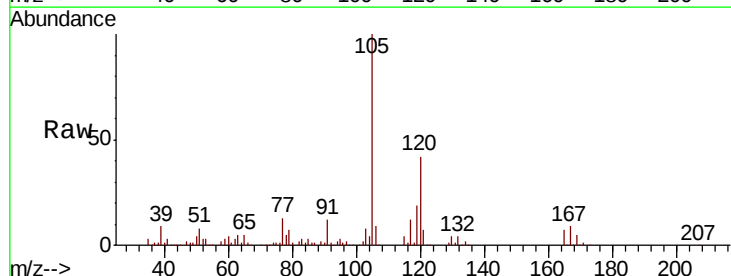
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

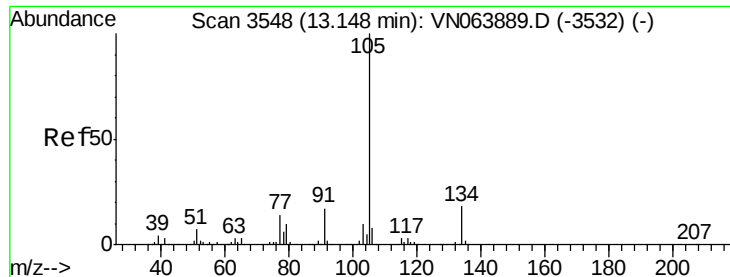
Tot Ion:119 Resp: 180486
Ion Ratio Lower Upper
119 100
91 71.1 0.0 136.8
134 22.1 0.0 48.8



#80
1,2,4-Trimethylbenzene
Concen: 16.813 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion:105 Resp: 221703
Ion Ratio Lower Upper
105 100
120 43.1 0.0 90.4





#81

sec-Butylbenzene

Concen: 16.847 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. -0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

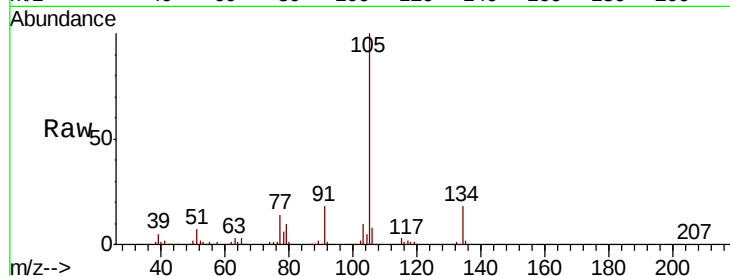
VSTDCCC020EC

Tot Ion:105 Resp: 233357

Ion Ratio Lower Upper

105 100

134 18.7 0.0 39.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

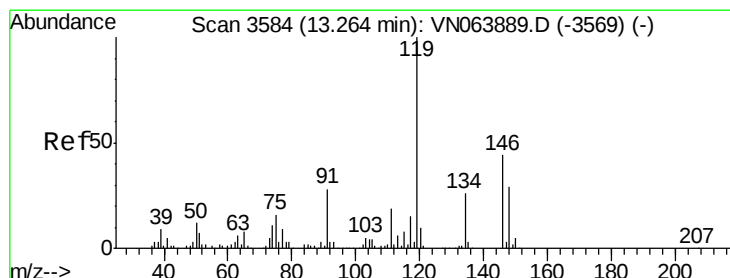
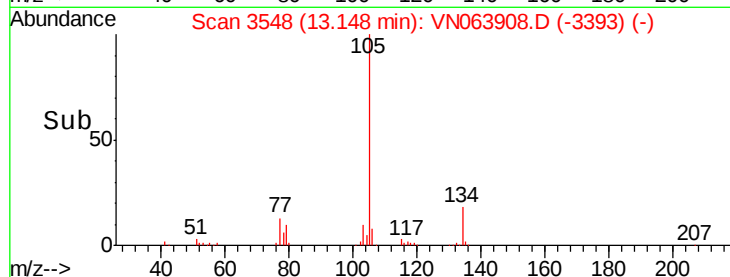
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 16.507 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

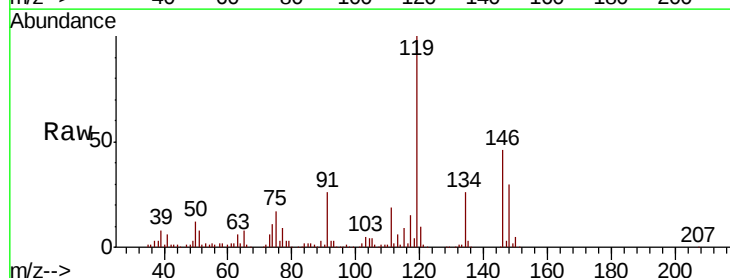
Tgt Ion:119 Resp: 206656

Ion Ratio Lower Upper

119 100

134 25.4 0.0 52.2

91 26.3 0.0 46.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

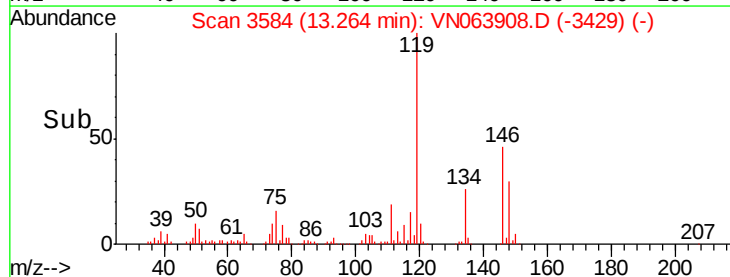
150000

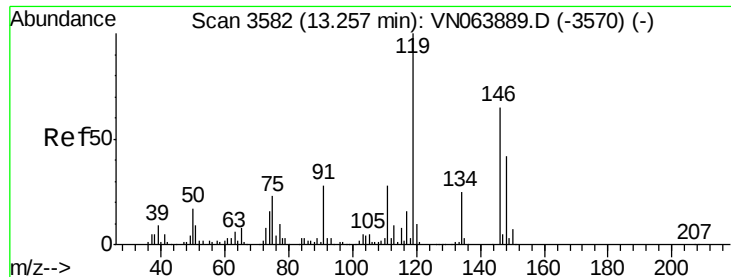
100000

50000

0

Time-->

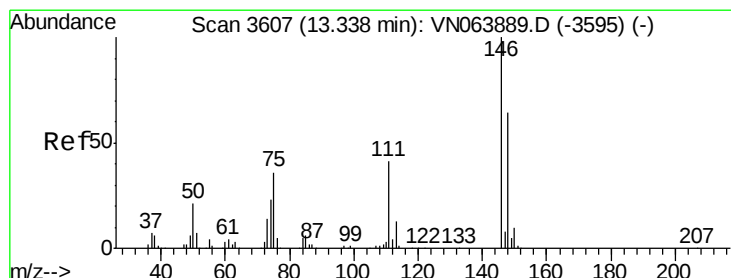
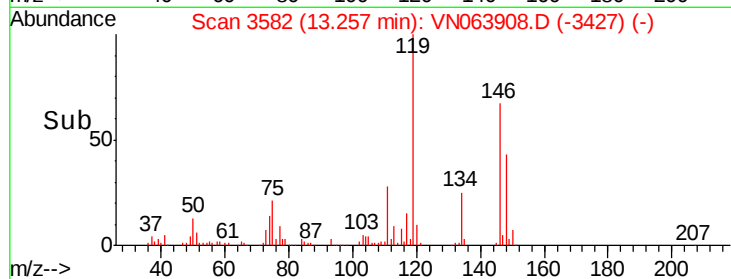
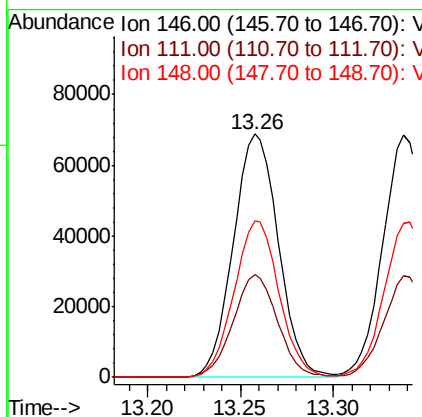
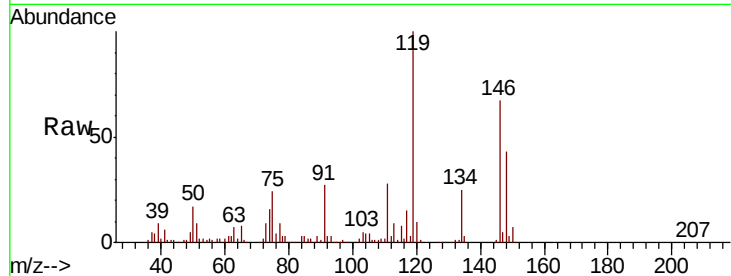




#83
 1,3-Dichlorobenzene
 Concen: 16.600 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

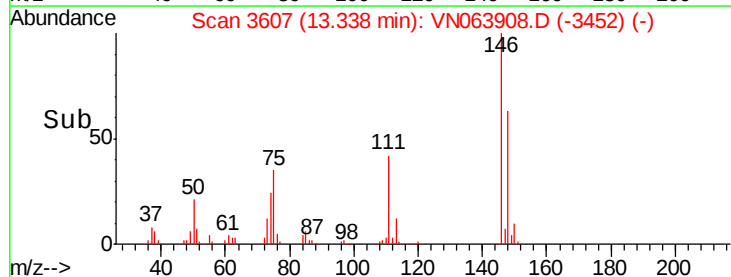
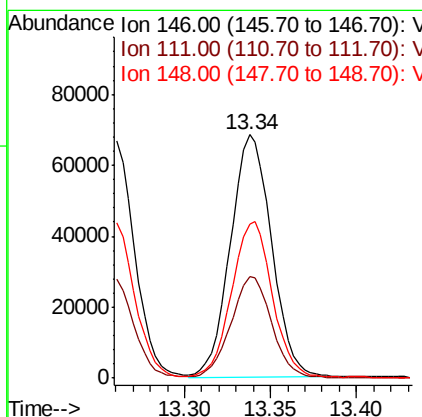
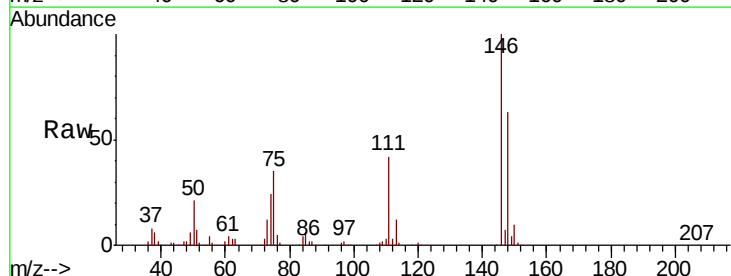
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

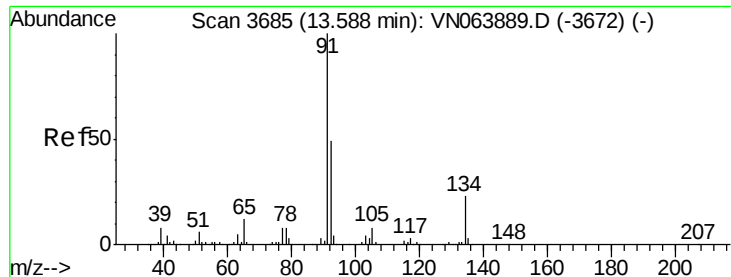
Tot Ion:146 Resp: 116723
 Ion Ratio Lower Upper
 146 100
 111 41.8 19.4 58.1
 148 64.1 31.5 94.5



#84
 1,4-Dichlorobenzene
 Concen: 16.186 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Tgt Ion:146 Resp: 113054
 Ion Ratio Lower Upper
 146 100
 111 41.9 18.6 55.8
 148 64.6 31.6 94.8

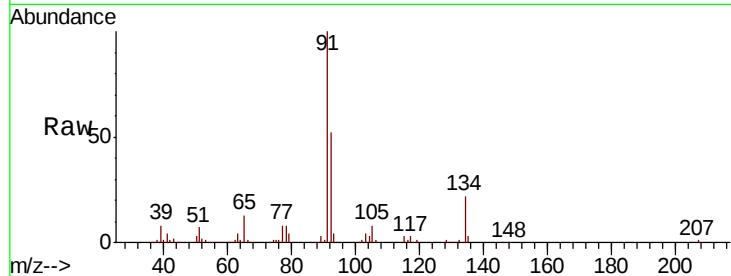




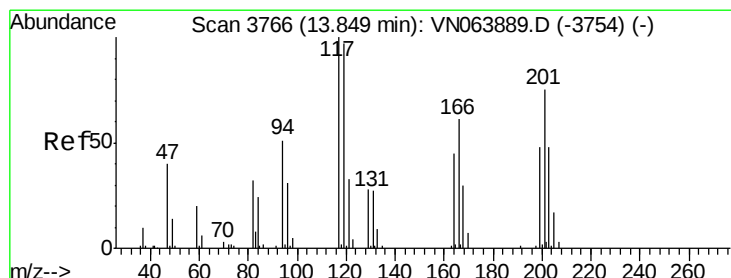
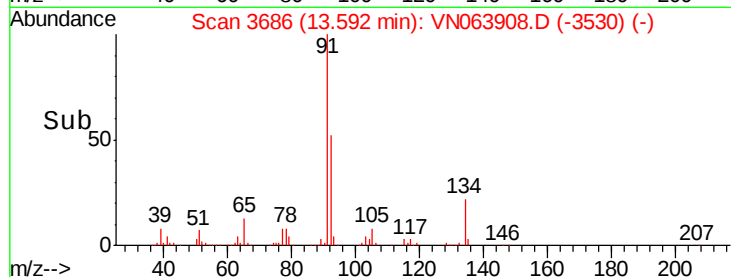
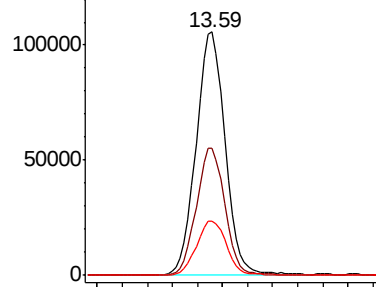
#85
n-Butylbenzene
Concen: 15.551 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 91 Resp: 170333
Ion Ratio Lower Upper
91 100
92 51.4 0.0 100.6
134 23.0 0.0 47.4

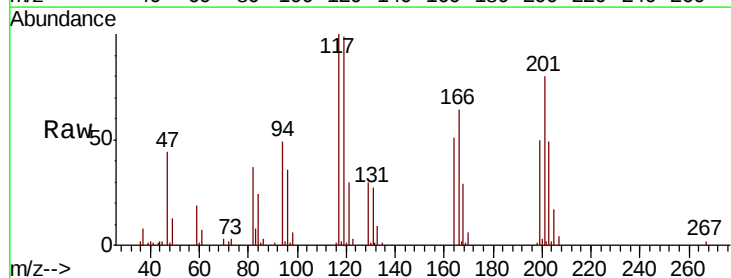


Abundance Ion 91.00 (90.70 to 91.70): VN063889.D (-3672) (-)
Ion 92.00 (91.70 to 92.70): VN063889.D (-3672) (-)
Ion 134.00 (133.70 to 134.70): VN063889.D (-3672) (-)

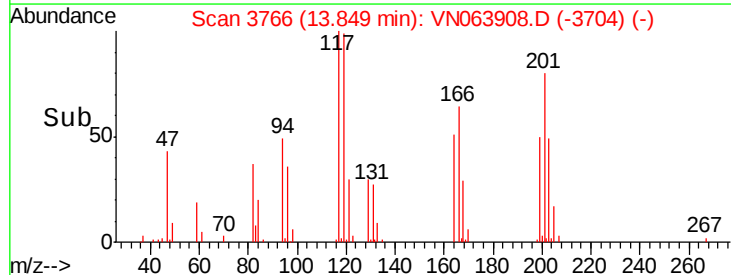
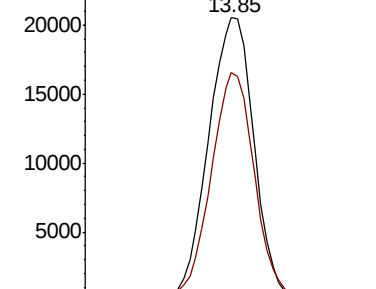


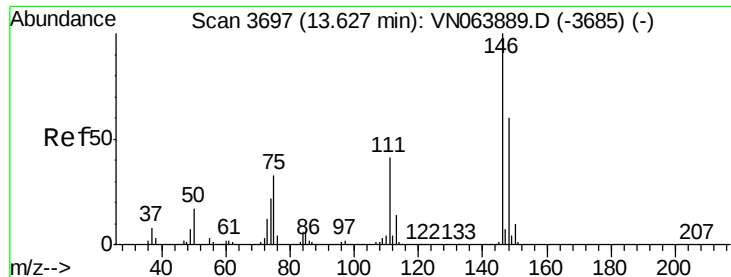
#86
Hexachloroethane
Concen: 16.417 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion: 117 Resp: 35422
Ion Ratio Lower Upper
117 100
201 77.3 46.1 138.3



Abundance Ion 117.00 (116.70 to 117.70): VN063889.D (-3754) (-)
Ion 201.00 (200.70 to 201.70): VN063889.D (-3754) (-)

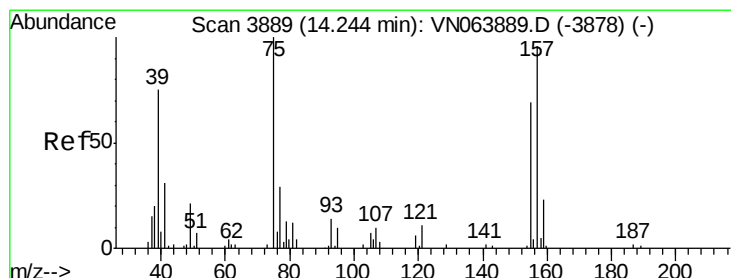
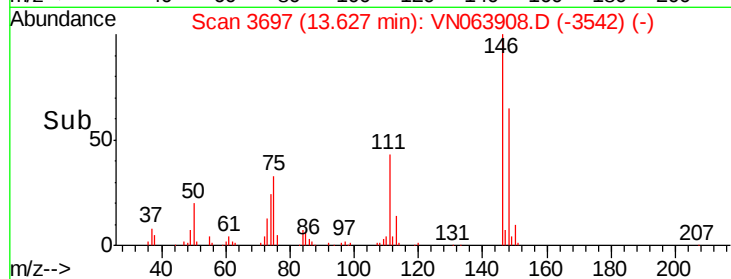
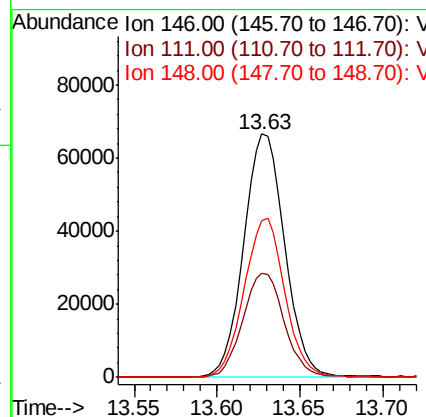
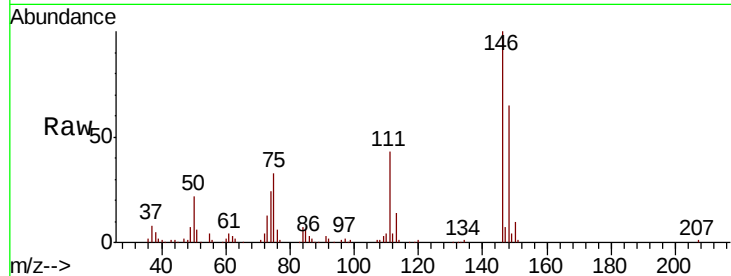




#87
 1,2-Dichlorobenzene
 Concen: 16.602 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

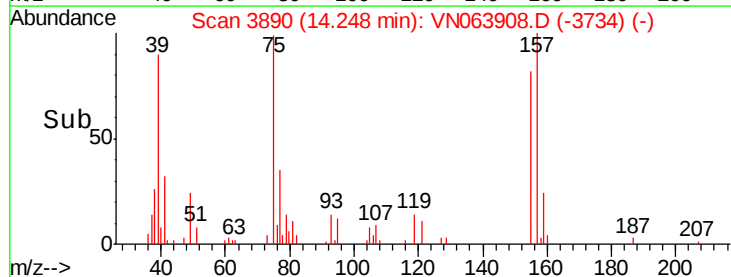
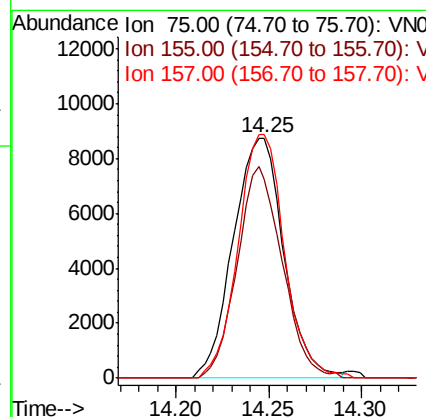
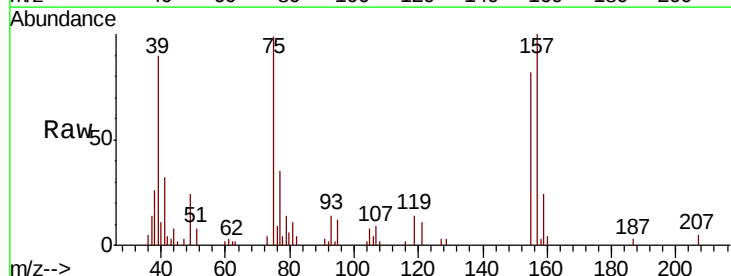
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

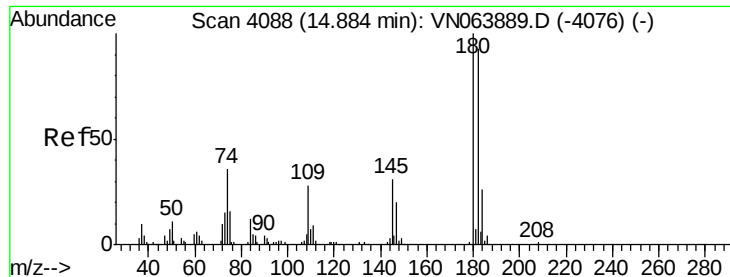
Tot Ion:146 Resp: 114550
 Ion Ratio Lower Upper
 146 100
 111 43.3 19.1 57.3
 148 64.9 31.8 95.4



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 14.083 ug/l
 RT: 14.25 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Tgt Ion: 75 Resp: 16592
 Ion Ratio Lower Upper
 75 100
 155 78.3 64.8 97.2
 157 92.4 81.2 121.8

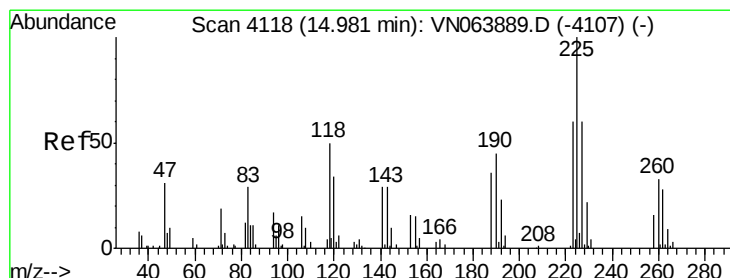
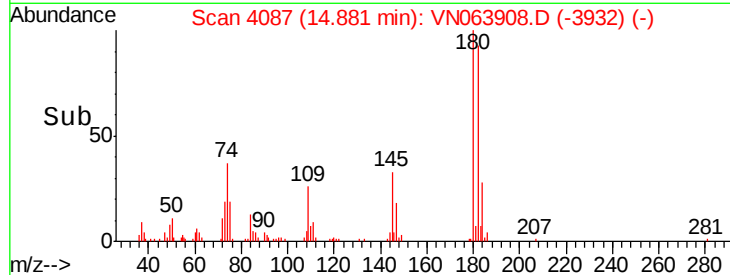
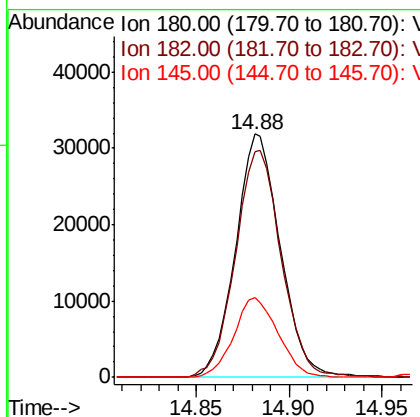
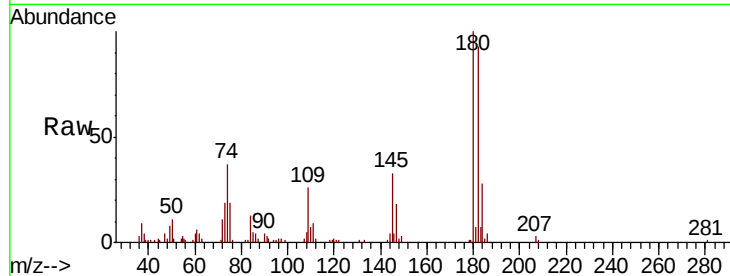




#89
 1,2,4-Trichlorobenzene
 Concen: 15.145 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

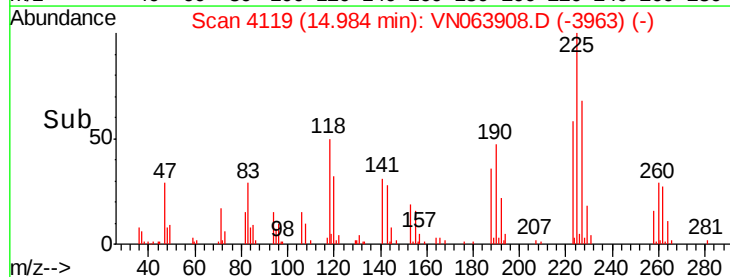
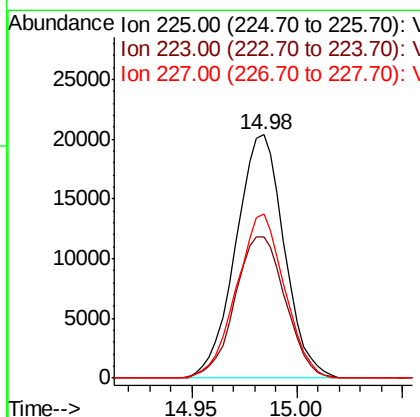
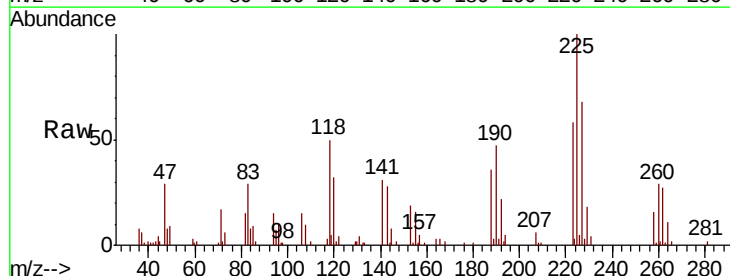
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

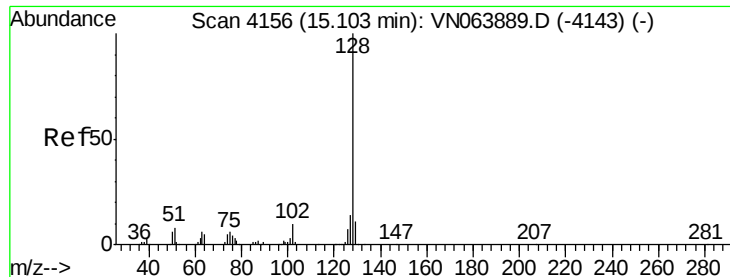
Tot Ion:180 Resp: 53118
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.9 115.3
 145 32.7 21.9 32.9



#90
 Hexachlorobutadiene
 Concen: 17.498 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Tgt Ion:225 Resp: 32503
 Ion Ratio Lower Upper
 225 100
 223 60.3 0.0 122.8
 227 67.0 0.0 125.6





#91

Naphthalene

Concen: 14.644 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

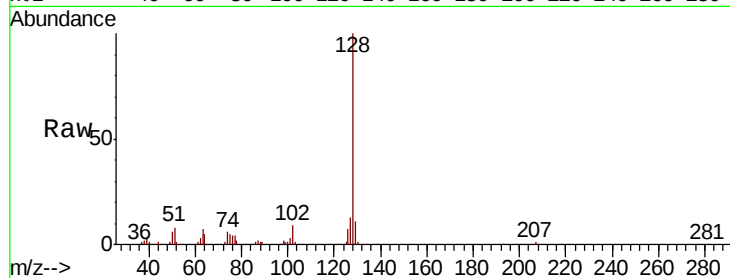
Tot Ion:128 Resp: 157106

Ion Ratio Lower Upper

128 100

127 12.7 11.1 16.7

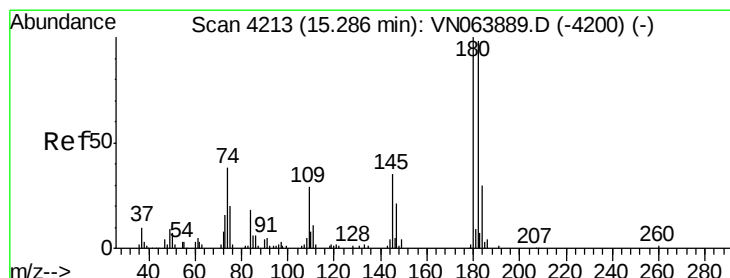
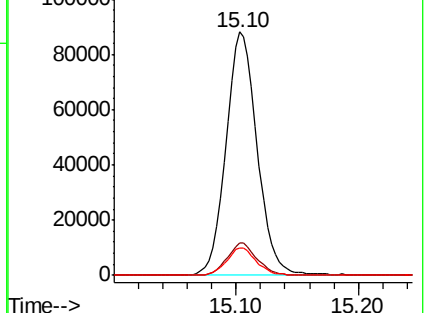
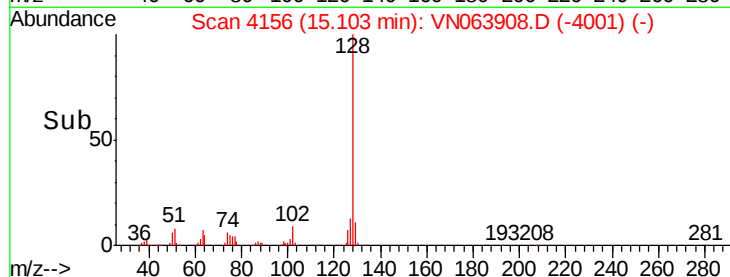
129 10.9 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 15.461 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

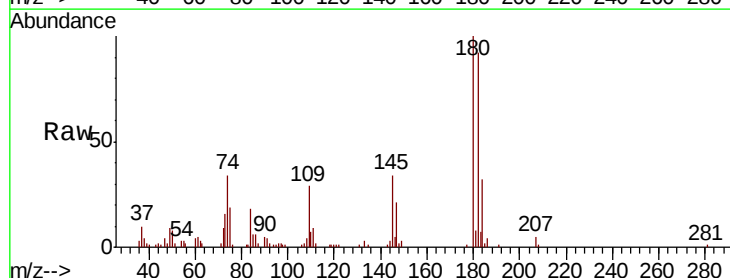
Tgt Ion:180 Resp: 52816

Ion Ratio Lower Upper

180 100

182 96.3 0.0 188.0

145 35.4 0.0 62.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

