

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063044.D
 Acq On : 20 Aug 2020 18:25
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Aug 21 05:44:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Aug 20 14:01:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	28160	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	142154	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	138331	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	60628	30.39	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.30%
60) 4-Bromofluorobenzene	12.38	95	66564	30.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.50%
63) Toluene-d8	10.06	98	192643	30.34	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	42607	21.162	ug/l 99
3) Chloromethane	2.03	50	48535	21.785	ug/l 98
4) Vinyl Chloride	2.16	62	46885	20.905	ug/l 98
5) Bromomethane	2.49	94	24477	17.705	ug/l 96
6) Chloroethane	2.64	64	27127	20.465	ug/l 99
7) Trichlorofluoromethane	2.97	101	54638	20.202	ug/l 99
8) Diethyl Ether	3.37	74	17760	19.744	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.71	101	27559	18.845	ug/l 97
10) 1,1-Dichloroethene	3.69	96	24746	18.831	ug/l 94
11) Methyl Iodide	3.91	142	34706	19.249	ug/l 98
12) Methyl Acetate	4.28	43	35954	20.526	ug/l 93
13) Acrolein	3.57	56	15434	85.973	ug/l 95
14) Acrylonitrile	4.93	53	76758	100.078	ug/l 94
15) Acetone	3.78	58	19804	89.217	ug/l 94
16) Carbon Disulfide	4.00	76	67258	19.065	ug/l 100
17) Allyl chloride	4.27	41	44204	18.332	ug/l 99
18) Methylene Chloride	4.50	84	48773	26.527	ug/l 98
19) trans-1,2-Dichloroethene	4.99	96	27717	19.181	ug/l 97
20) Diisopropyl ether	5.90	45	113816	20.153	ug/l 99
21) 1,1-Dichloroethane	5.80	63	60844	19.631	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	34119	19.053	ug/l 97
23) tert-Butyl Alcohol	4.74	59	19806	78.823	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	93325	19.359	ug/l 99
25) Chloroform	7.33	83	61084	19.789	ug/l 100
26) Cyclohexane	7.61	56	50701	19.002	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	38669	18.731	ug/l 98
30) 2-Butanone	6.79	43	94610	98.325	ug/l 100
31) 2,2-Dichloropropane	6.78	77	43641	17.392	ug/l 99
32) 1,1,1-Trichloroethane	7.53	97	49487	19.903	ug/l 99
33) Carbon Tetrachloride	7.73	117	42220	19.940	ug/l 97
34) Benzene	8.00	78	132580	20.040	ug/l 99
35) Methacrylonitrile	7.13	41	16542	18.088	ug/l 94
36) 1,2-Dichloroethane	8.08	62	45429	20.128	ug/l 99
37) Trichloroethene	8.80	130	31146	19.224	ug/l 95
38) Methylcyclohexane	9.05	83	45650	17.630	ug/l 98
39) 1,2-Dichloropropane	9.08	63	39105	20.310	ug/l 97
40) Dibromomethane	9.17	93	23353	20.890	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	48697	19.657	ug/l	97
42) Vinyl Acetate	5.84	43	347033	95.206	ug/l	99
43) Ethyl Acetate	6.88	43	38860	21.159	ug/l	99
44) Isopropyl Acetate	8.13	43	62899	20.401	ug/l	99
45) 1,4-Dioxane	9.17	88	7387	255.816	ug/l	94
46) Methyl methacrylate	9.17	41	29651	19.533	ug/l	98
47) n-amyl Acetate	12.05	43	54744	20.005	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	49160	18.790	ug/l	95
49) cis-1,3-Dichloropropene	9.81	75	54084	18.991	ug/l	97
50) 1,1,2-Trichloroethane	10.54	97	35459	20.572	ug/l	97
51) Ethyl methacrylate	10.40	69	45296	19.316	ug/l	97
52) 1,3-Dichloropropane	10.68	76	57899	20.332	ug/l	100
53) Dibromochloromethane	10.88	129	38028	20.105	ug/l	100
54) 1,2-Dibromoethane	10.98	107	33753	20.413	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	55609	115.446	ug/l	99
56) Bromoform	12.10	173	27658	19.969	ug/l	96
58) 4-Methyl-2-Pentanone	9.95	43	211613	106.341	ug/l	99
59) 2-Hexanone	10.72	43	146563	103.247	ug/l	99
61) Tetrachloroethene	10.60	164	29818	19.663	ug/l	94
62) Toluene	10.12	91	142215	19.398	ug/l	100
64) Chlorobenzene	11.41	112	88816	19.579	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	36072	20.062	ug/l	97
66) Ethyl Benzene	11.49	91	148831	18.623	ug/l	99
67) m/p-Xylenes	11.60	106	115778	38.672	ug/l	99
68) o-Xylene	11.92	106	55229	19.204	ug/l	100
69) Styrene	11.94	104	97683	19.444	ug/l	99
70) Isopropylbenzene	12.23	105	150220	19.202	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	52358	20.870	ug/l	97
72) 1,2,3-Trichloropropane	12.53	75	63353	28.459	ug/l	60
73) Bromobenzene	12.50	156	41458	19.651	ug/l	97
74) n-propylbenzene	12.57	91	178081	18.976	ug/l	100
75) 2-Chlorotoluene	12.65	91	110162	19.696	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	128623	19.265	ug/l	100
77) t-1,4-Dichloro-2-butene	12.28	75	15483	19.679	ug/l	93
78) 4-Chlorotoluene	12.75	91	111273	19.296	ug/l	98
79) tert-butylbenzene	12.97	119	109221	19.443	ug/l	97
80) 1,2,4-Trimethylbenzene	13.02	105	122214	18.805	ug/l	99
81) sec-Butylbenzene	13.15	105	146954	18.990	ug/l	100
82) p-Isopropyltoluene	13.26	119	123912	18.062	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	71977	19.540	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	68245	18.956	ug/l	99
85) n-Butylbenzene	13.59	91	95616	16.772	ug/l	99
86) Hexachloroethane	13.85	117	26048	19.278	ug/l	99
87) 1,2-Dichlorobenzene	13.63	146	71437	20.249	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.25	75	8091	20.332	ug/l	99
89) 1,2,4-Trichlorobenzene	14.89	180	27262	15.659	ug/l	99
90) Hexachlorobutadiene	14.98	225	22841	17.725	ug/l	98
91) Naphthalene	15.11	128	56670	14.731	ug/l	99
92) 1,2,3-Trichlorobenzene	15.29	180	26517	15.256	ug/l	98

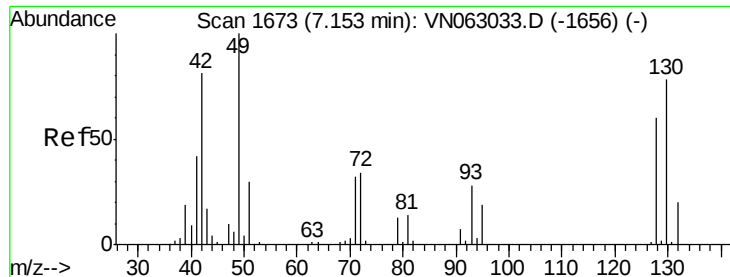
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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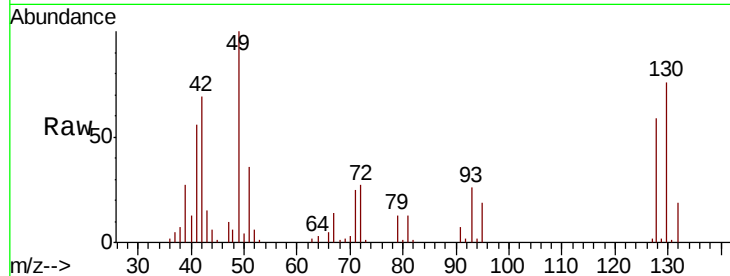
(#) = qualifier out of range (m) = manual integration (+) = signals summed



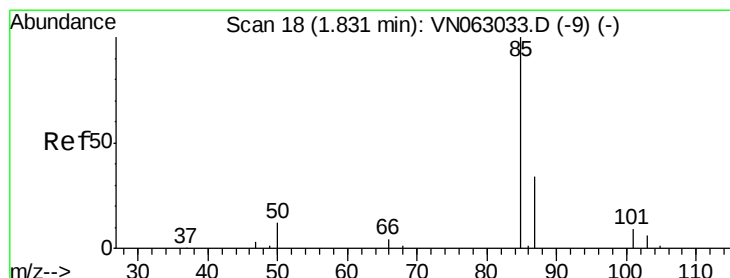
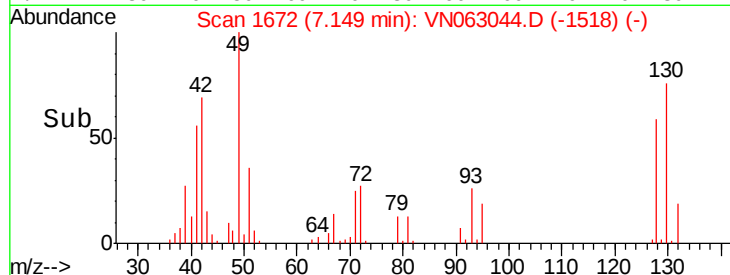
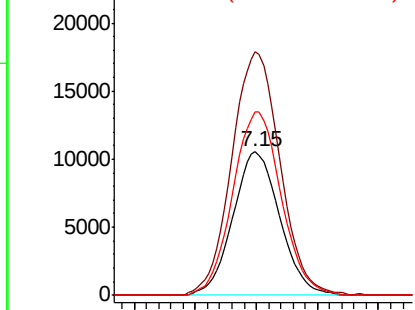
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VN063044.D
 Acq: 20 Aug 2020 18:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:128 Resp: 28160
 Ion Ratio Lower Upper
 128 100
 49 174.7 0.0 437.5
 130 132.0 0.0 327.3

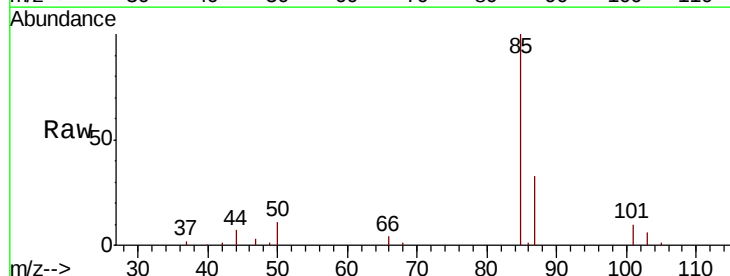


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

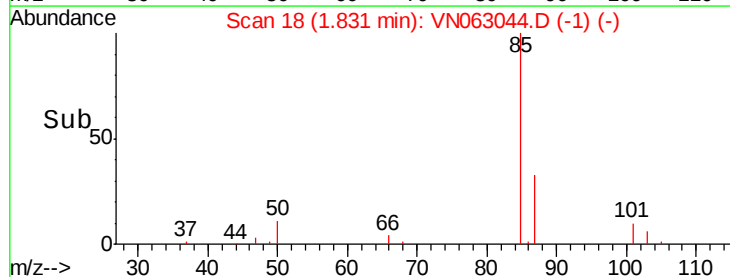
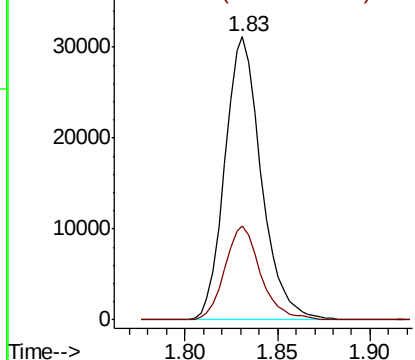


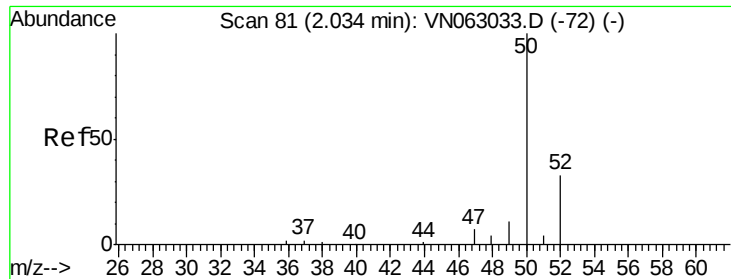
#2
 Dichlorodifluoromethane
 Concen: 21.162 ug/l
 RT: 1.83 min Scan# 18
 Delta R.T. -0.00 min
 Lab File: VN063044.D
 Acq: 20 Aug 2020 18:25

Tgt Ion: 85 Resp: 42607
 Ion Ratio Lower Upper
 85 100
 87 33.1 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: 21.785 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN063044.D

Acq: 20 Aug 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

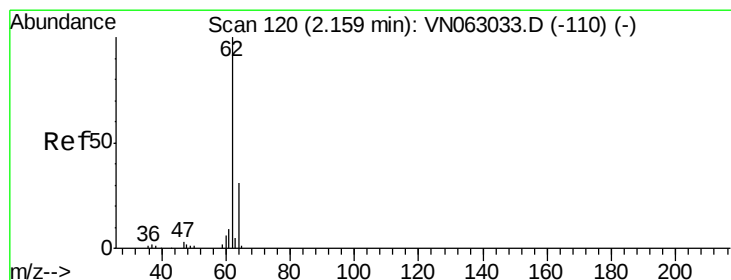
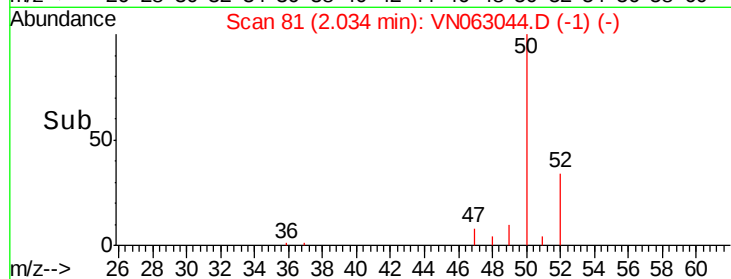
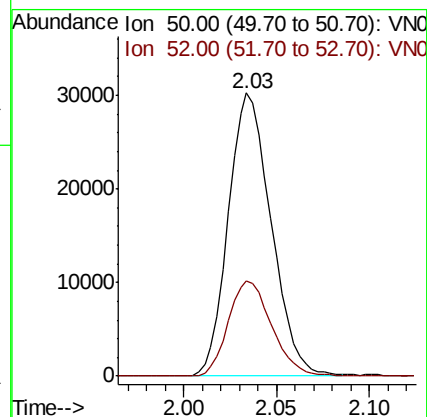
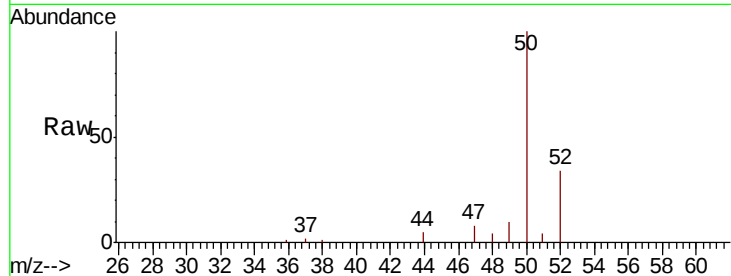
VSTDCCC020EC

Tot Ion: 50 Resp: 48535

Ion Ratio Lower Upper

50 100

52 33.6 26.0 39.0



#4

Vinyl Chloride

Concen: 20.905 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN063044.D

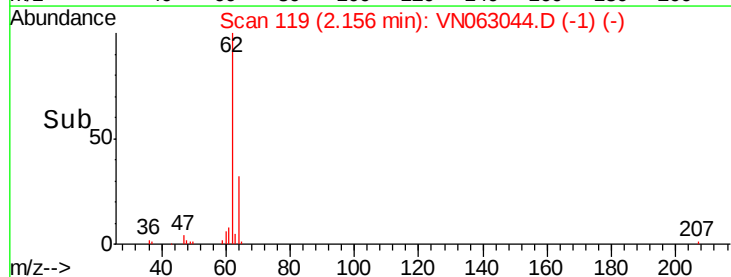
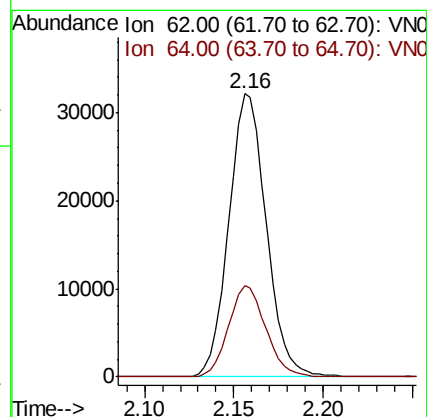
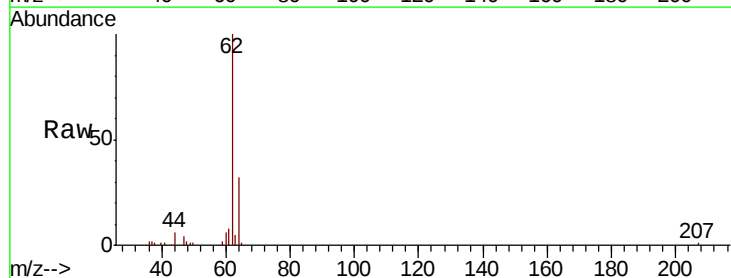
Acq: 20 Aug 2020 18:25

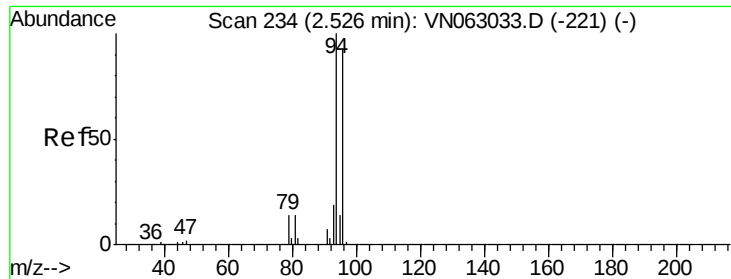
Tgt Ion: 62 Resp: 46885

Ion Ratio Lower Upper

62 100

64 32.3 25.0 37.4





#5

Bromomethane

Concen: 17.705 ug/l

RT: 2.49 min Scan# 224

Delta R.T. -0.03 min

Lab File: VN063044.D

Acq: 20 Aug 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

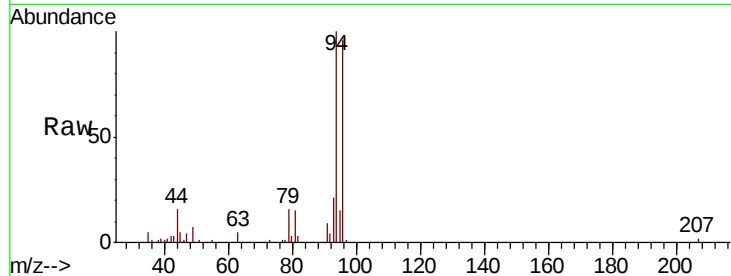
VSTDCCC020EC

Tot Ion: 94 Resp: 24477

Ion Ratio Lower Upper

94 100

96 96.0 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VN063033.D (-221) (-)

Ion 96.00 (95.70 to 96.70): VN063033.D (-221) (-)

2.49

15000

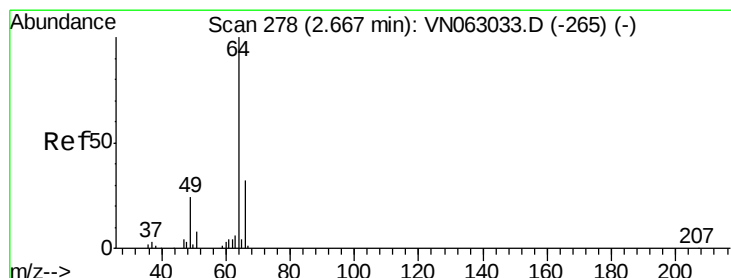
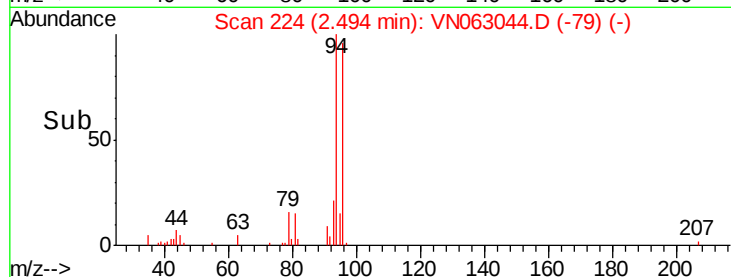
10000

5000

0

Time-->

2.45 2.50 2.55



#6

Chloroethane

Concen: 20.465 ug/l

RT: 2.64 min Scan# 271

Delta R.T. -0.02 min

Lab File: VN063044.D

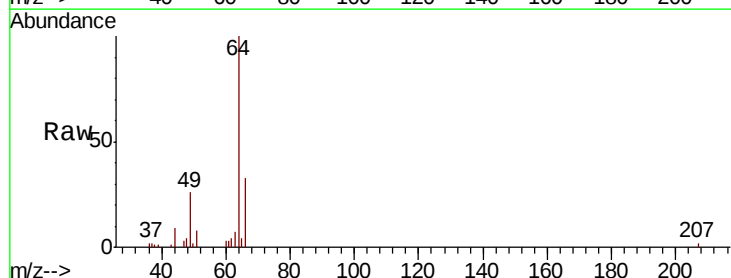
Acq: 20 Aug 2020 18:25

Tgt Ion: 64 Resp: 27127

Ion Ratio Lower Upper

64 100

66 33.1 25.8 38.8



Abundance Ion 64.00 (63.70 to 64.70): VN063033.D (-265) (-)

Ion 66.00 (65.70 to 66.70): VN063033.D (-265) (-)

2.64

15000

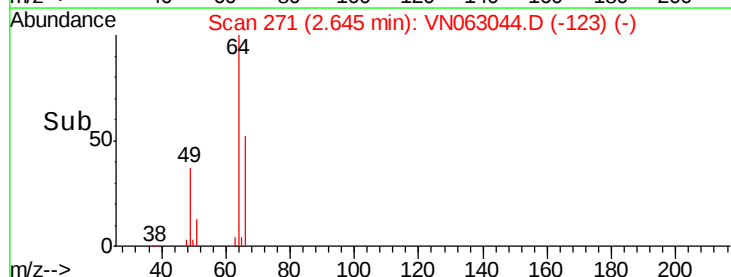
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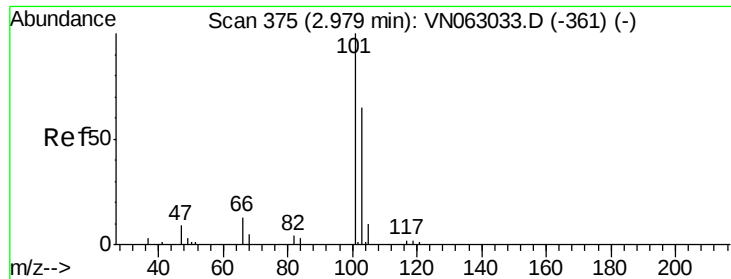
5000

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Time-->

2.60 2.65 2.70



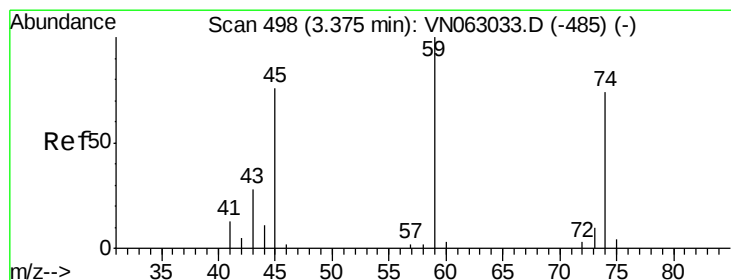
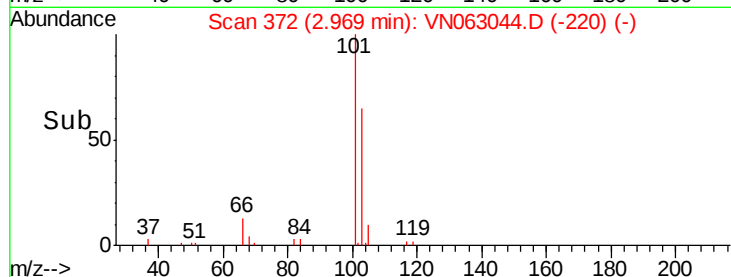
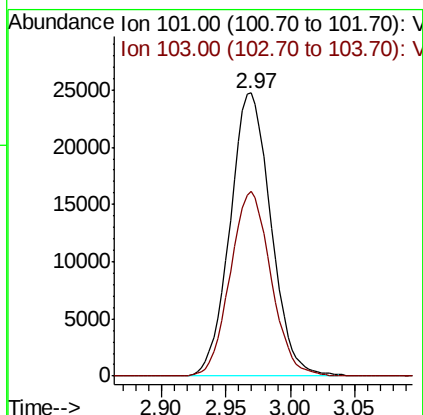
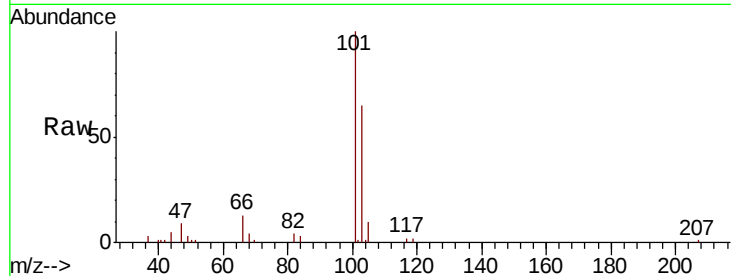


#7

Trichlorofluoromethane
 Concen: 20.202 ug/l
 RT: 2.97 min Scan# 372
 Delta R.T. -0.01 min
 Lab File: VN063044.D
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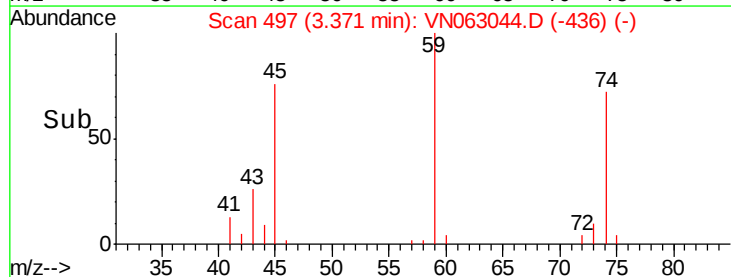
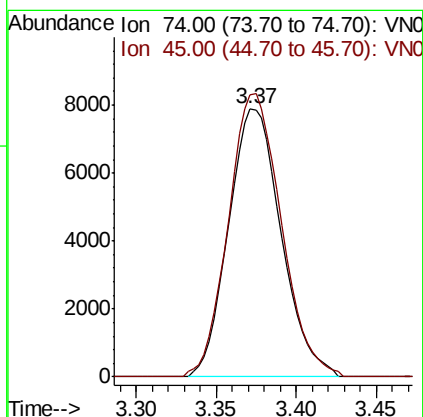
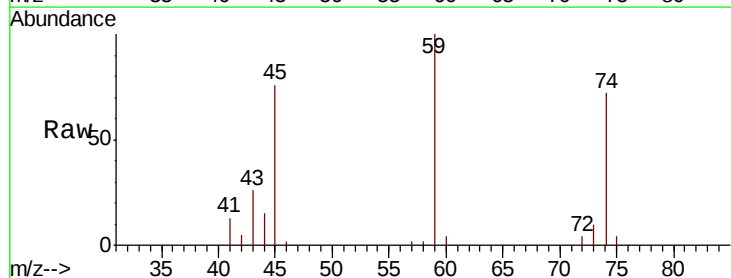
Tot Ion:101 Resp: 54638
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.9 77.9

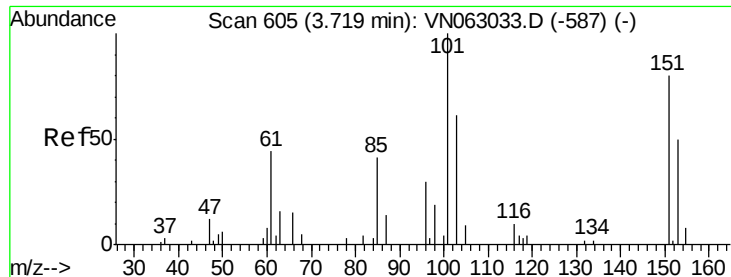


#8

Diethyl Ether
 Concen: 19.744 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN063044.D
 Acq: 20 Aug 2020 18:25

Tgt Ion: 74 Resp: 17760
 Ion Ratio Lower Upper
 74 100
 45 106.1 20.6 185.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.845 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.01 min

Lab File: VN063044.D

Acq: 20 Aug 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

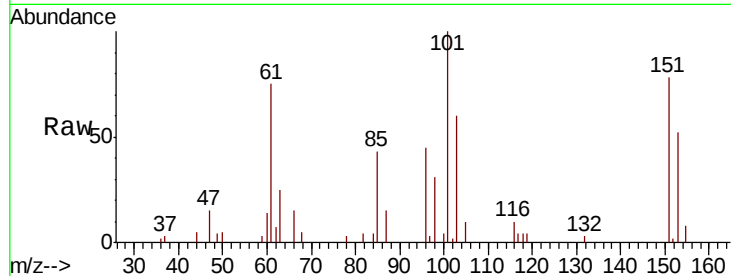
Tot Ion:101 Resp: 27559

Ion Ratio Lower Upper

101 100

85 44.0 0.0 85.0

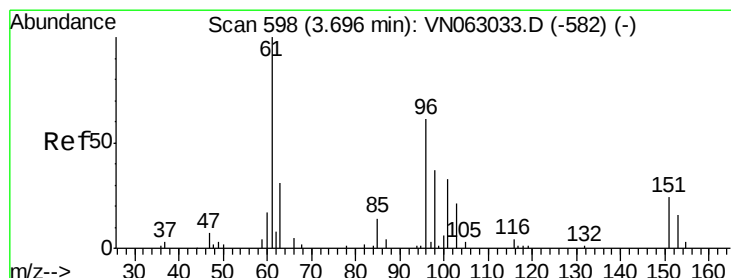
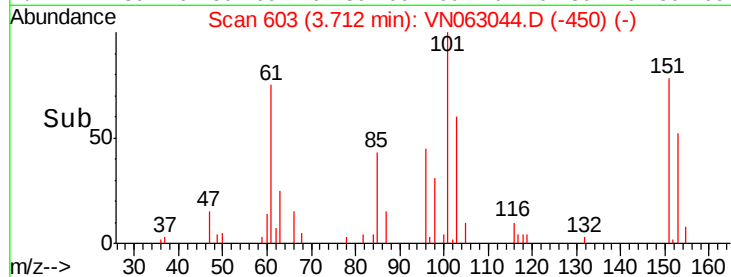
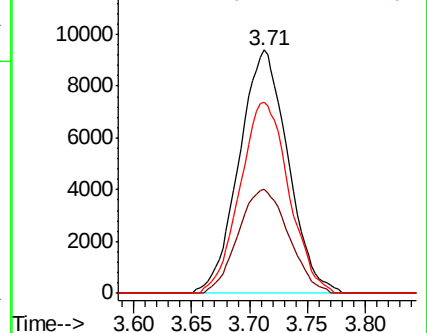
151 78.4 0.0 161.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.831 ug/l

RT: 3.69 min Scan# 596

Delta R.T. -0.01 min

Lab File: VN063044.D

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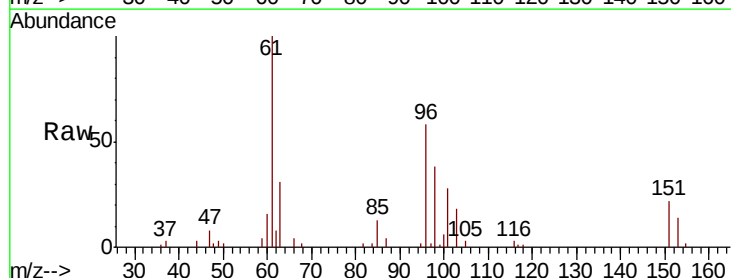
Tgt Ion: 96 Resp: 24746

Ion Ratio Lower Upper

96 100

61 171.7 130.8 196.2

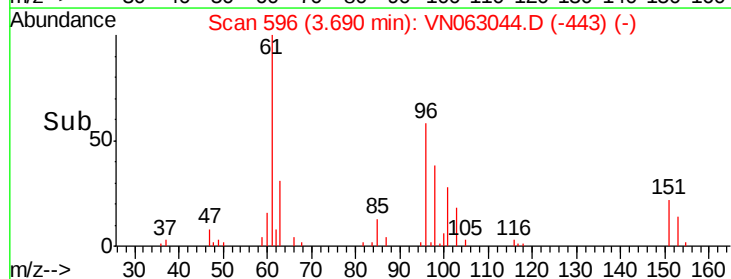
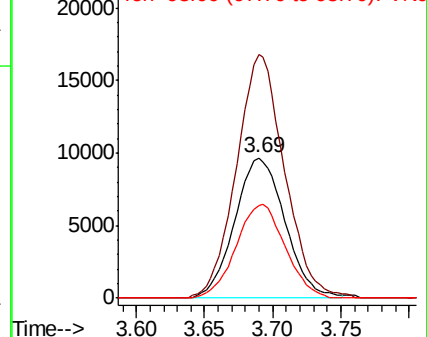
98 66.2 49.0 73.4

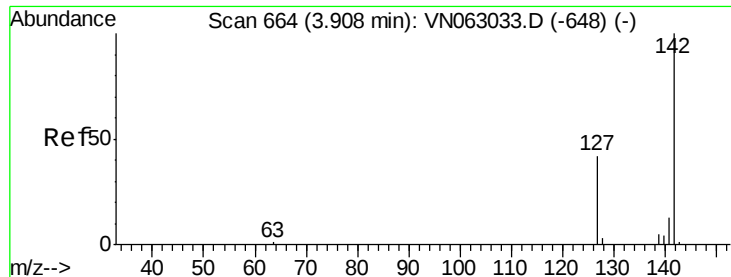


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

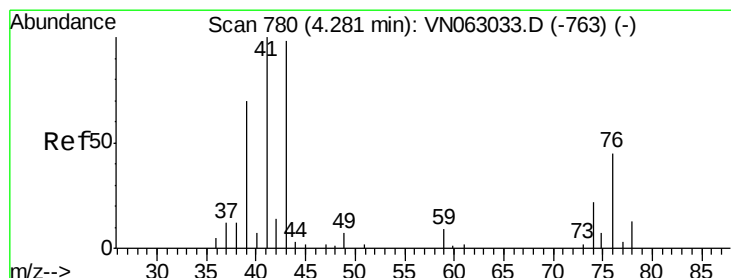
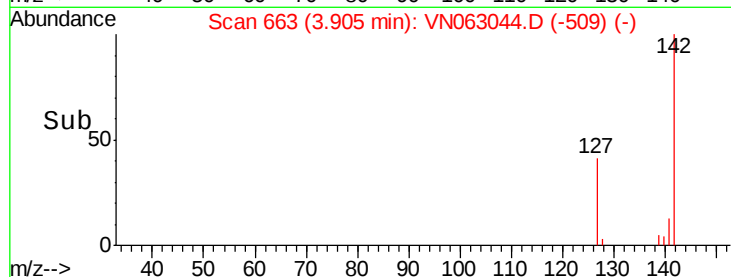
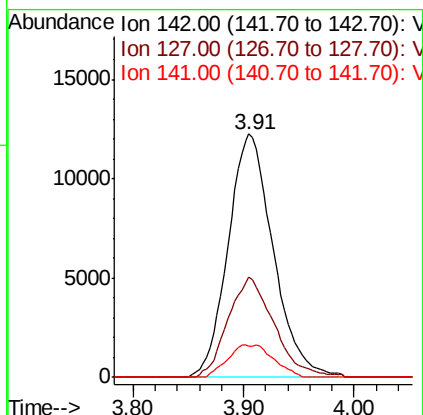
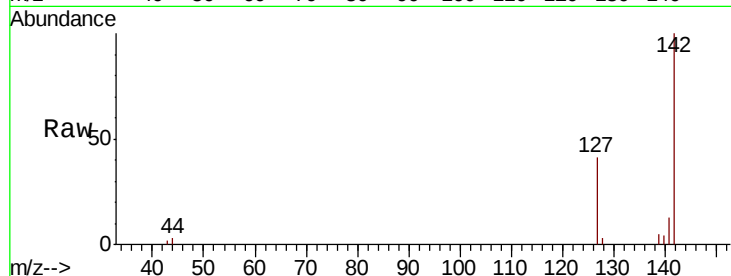




#11
Methyl Iodide
Concen: 19.249 ug/l
RT: 3.91 min Scan# 663
Delta R.T. -0.00 min
Lab File: VN063044.D
Acq: 20 Aug 2020 18:25

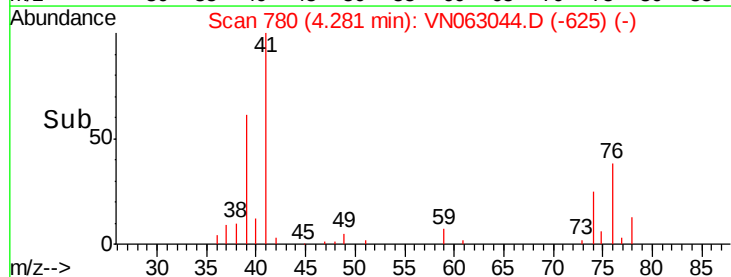
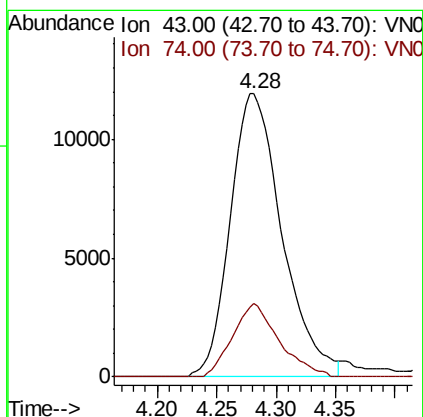
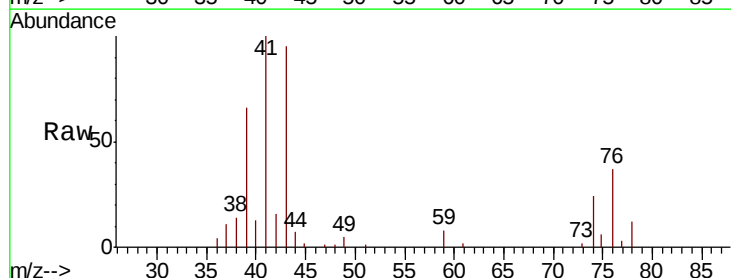
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

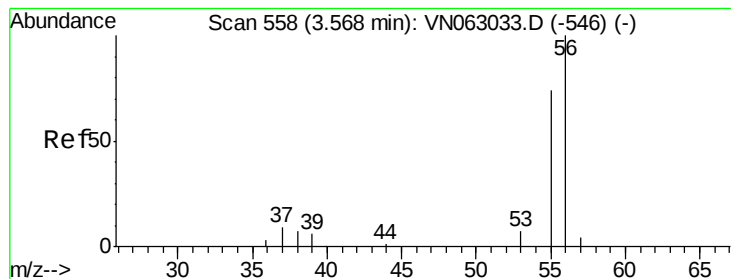
Tot Ion:142 Resp: 34706
Ion Ratio Lower Upper
142 100
127 40.7 20.9 62.8
141 12.2 6.7 20.1



#12
Methyl Acetate
Concen: 20.526 ug/l
RT: 4.28 min Scan# 780
Delta R.T. -0.00 min
Lab File: VN063044.D
Acq: 20 Aug 2020 18:25

Tgt Ion: 43 Resp: 35954
Ion Ratio Lower Upper
43 100
74 26.5 18.6 27.8





#13

Acrolein

Concen: 85.973 ug/l

RT: 3.57 min Scan# 558

Delta R.T. -0.00 min

Lab File: VN063044.D

Acq: 20 Aug 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

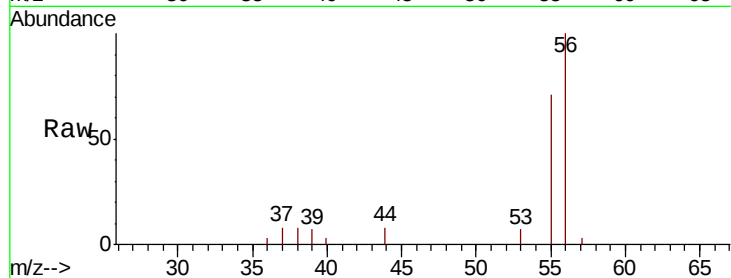
VSTDCCC020EC

Tot Ion: 56 Resp: 15434

Ion Ratio Lower Upper

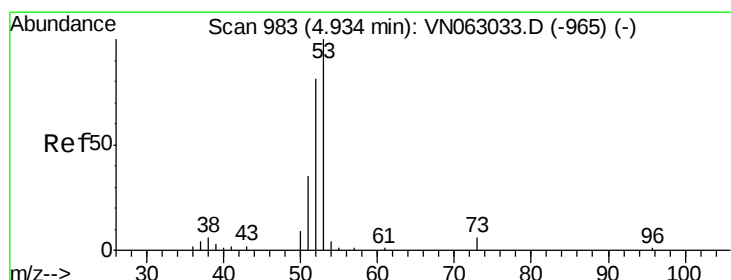
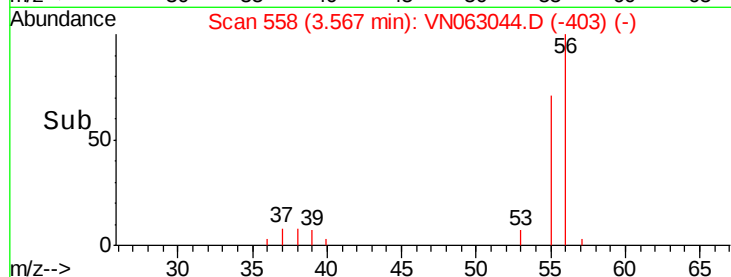
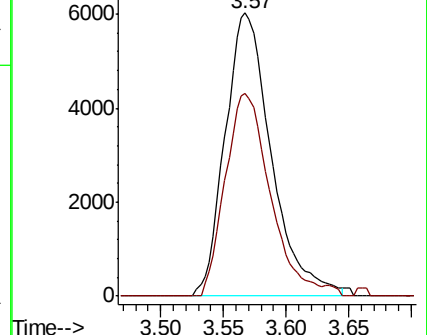
56 100

55 69.3 58.7 88.1



Abundance Ion 56.00 (55.70 to 56.70): VN063033.D (-546) (-)

Ion 55.00 (54.70 to 55.70): VN063033.D (-546) (-)



#14

Acrylonitrile

Concen: 100.078 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN063044.D

Acq: 20 Aug 2020 18:25

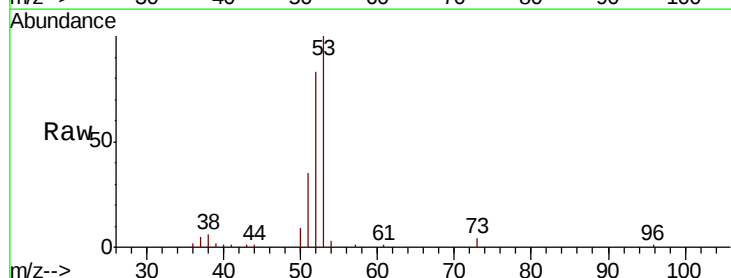
Tgt Ion: 53 Resp: 76758

Ion Ratio Lower Upper

53 100

52 85.0 39.9 119.7

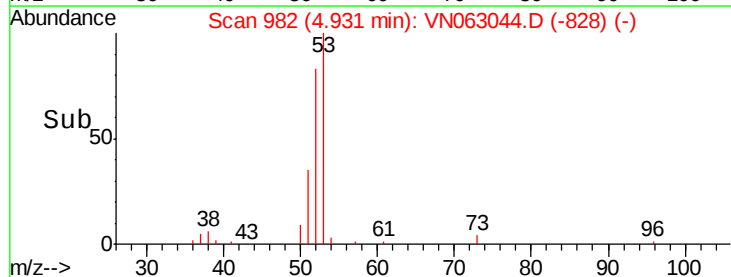
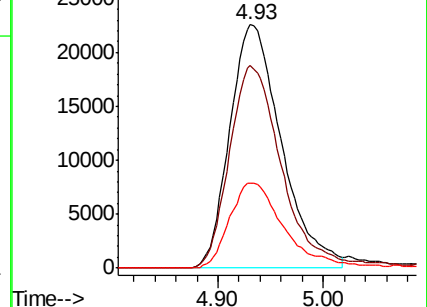
51 36.9 17.0 51.0

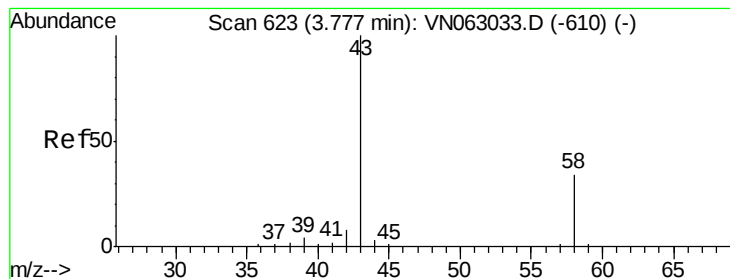


Abundance Ion 53.00 (52.70 to 53.70): VN063033.D (-965) (-)

Ion 52.00 (51.70 to 52.70): VN063033.D (-965) (-)

Ion 51.00 (50.70 to 51.70): VN063033.D (-965) (-)





#15

Acetone

Concen: 89.217 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN063044.D

Acq: 20 Aug 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

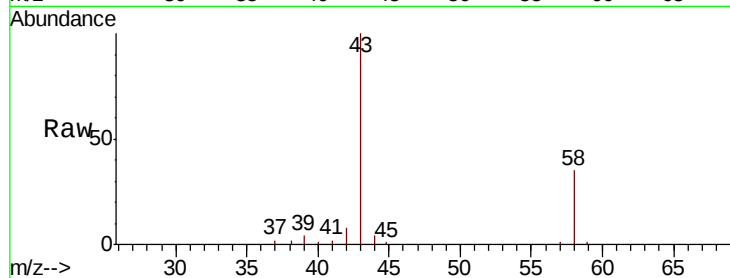
VSTDCCC020EC

Tot Ion: 58 Resp: 19804

Ion Ratio Lower Upper

58 100

43 280.2 233.2 349.8



Abundance Ion 58.00 (57.70 to 58.70): VN063033.D (-610) (-)

Ion 43.00 (42.70 to 43.70): VN063033.D (-610) (-)

25000

20000

15000

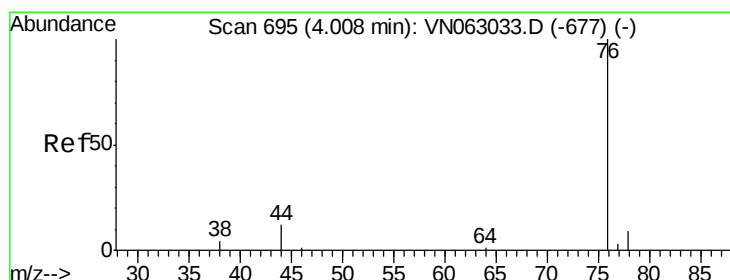
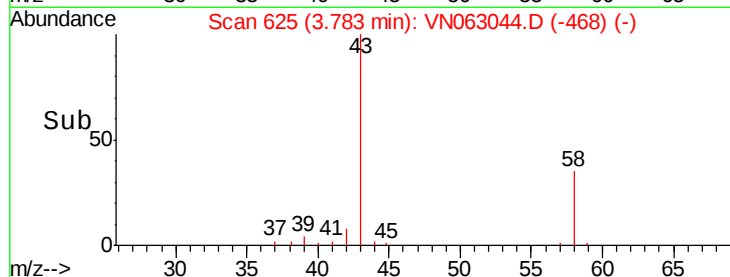
10000

5000

0

3.70 3.75 3.80 3.85 3.90

Time-->



#16

Carbon Disulfide

Concen: 19.065 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN063044.D

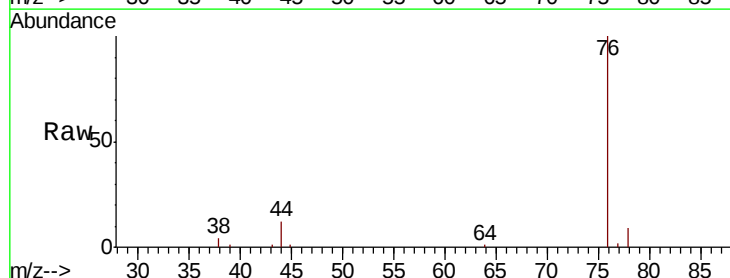
Acq: 20 Aug 2020 18:25

Tgt Ion: 76 Resp: 67258

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VN063033.D (-677) (-)

Ion 78.00 (77.70 to 78.70): VN063033.D (-677) (-)

30000

25000

20000

15000

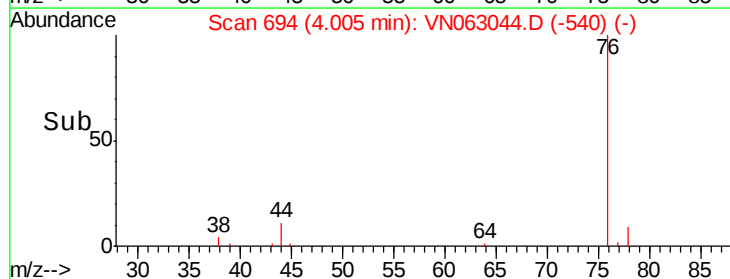
10000

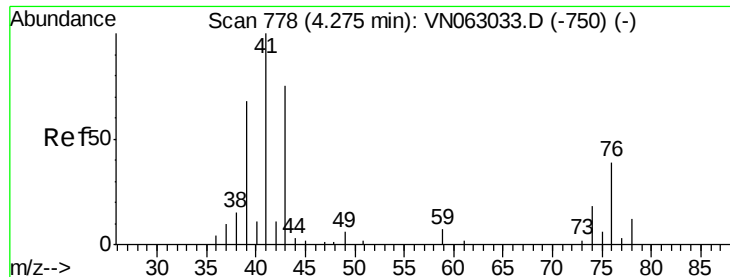
5000

0

3.90 4.00 4.10

Time-->

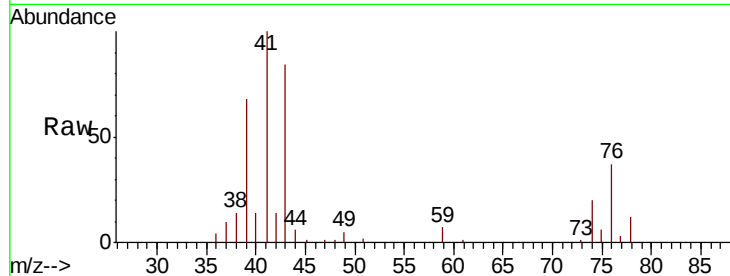




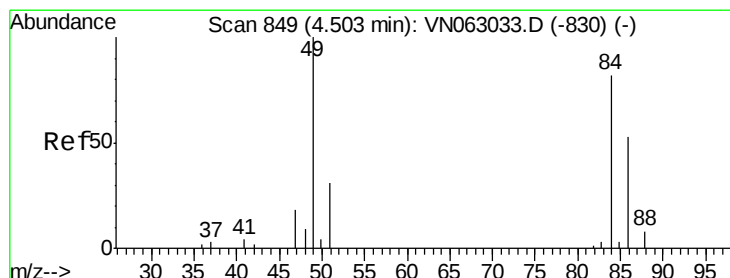
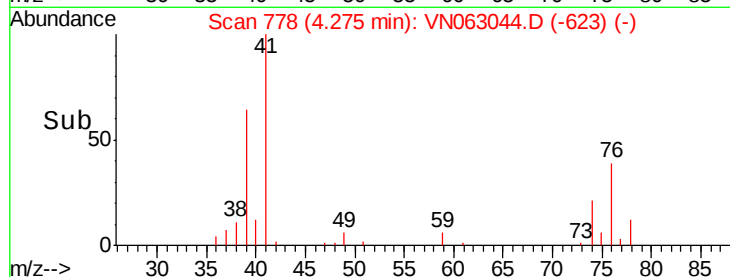
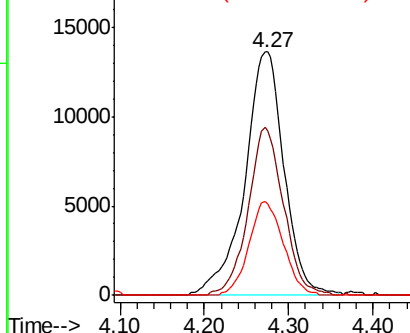
#17
Allvl chloride
Concen: 18.332 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN063044.D
Acq: 20 Aug 2020 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 41 Resp: 44204
Ion Ratio Lower Upper
41 100
39 67.7 33.8 101.4
76 37.4 19.4 58.4



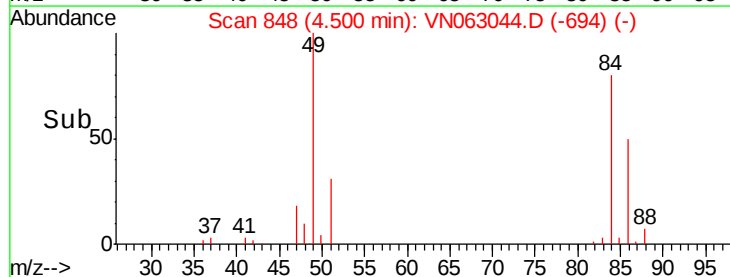
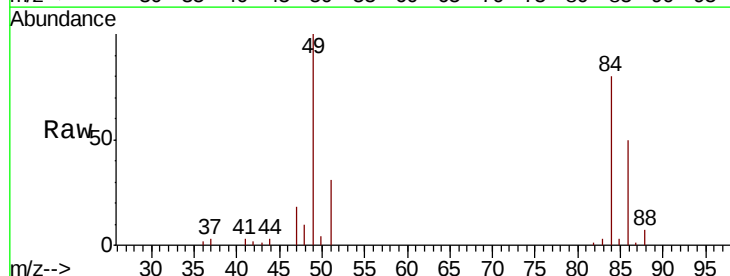
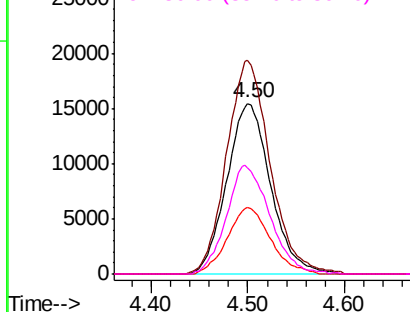
Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 76.00 (75.70 to 76.70): VN0

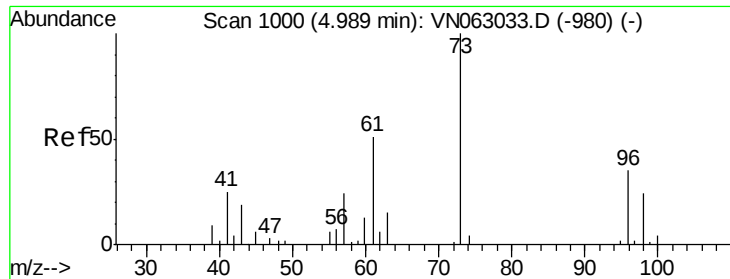


#18
Methylene Chloride
Concen: 26.527 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN063044.D
Acq: 20 Aug 2020 18:25

Tgt Ion: 84 Resp: 48773
Ion Ratio Lower Upper
84 100
49 124.1 97.8 146.8
51 38.9 30.7 46.1
86 62.5 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

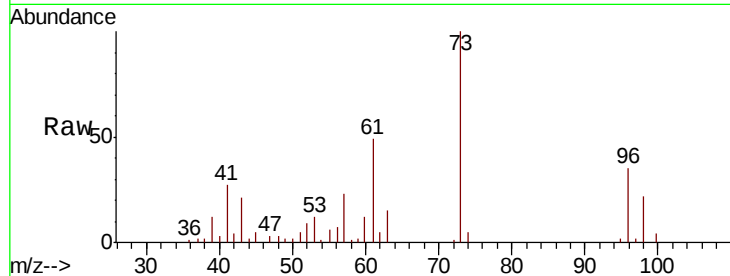




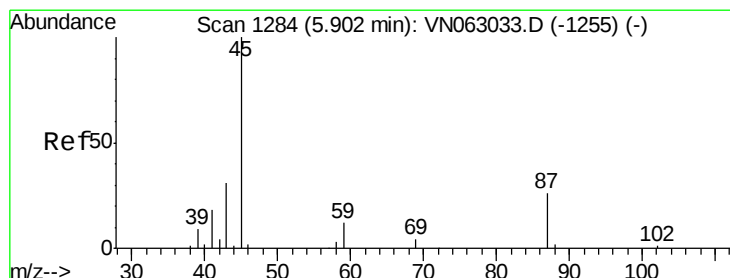
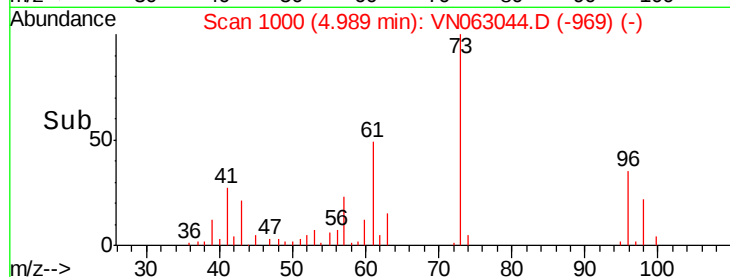
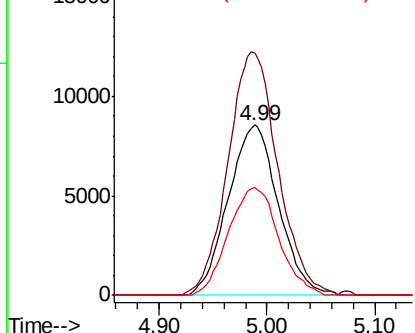
#19
trans-1,2-Dichloroethene
Concen: 19.181 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN063044.D
Acq: 20 Aug 2020 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 96 Resp: 27717
Ion Ratio Lower Upper
96 100
61 142.3 115.9 173.9
98 63.2 53.3 79.9

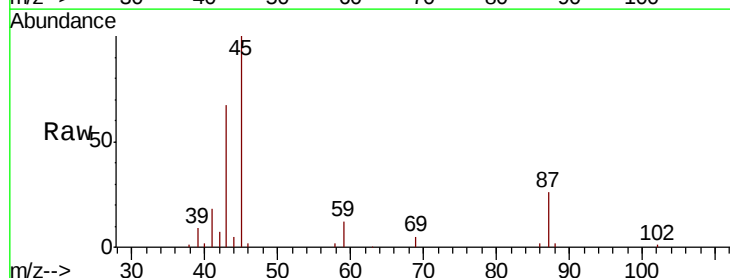


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

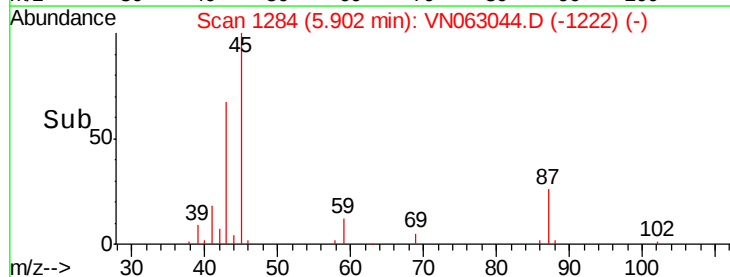
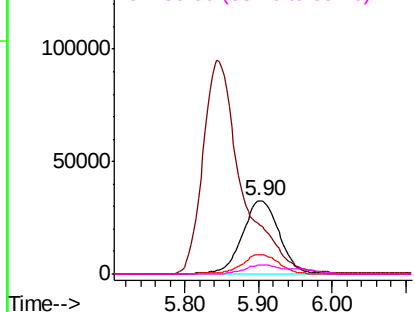


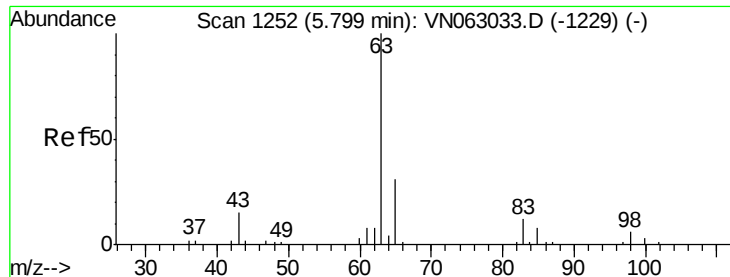
#20
Diisopropyl ether
Concen: 20.153 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN063044.D
Acq: 20 Aug 2020 18:25

Tgt Ion: 45 Resp: 113816
Ion Ratio Lower Upper
45 100
43 64.5 51.8 77.6
87 26.2 21.8 32.6
59 12.2 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

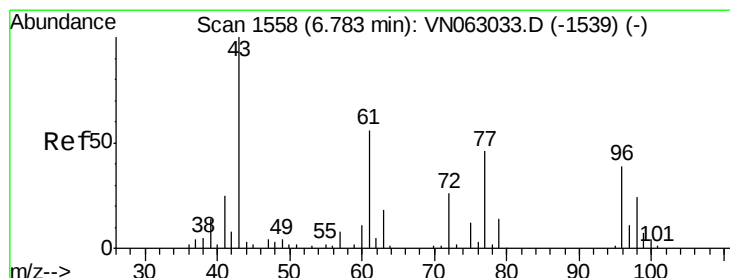
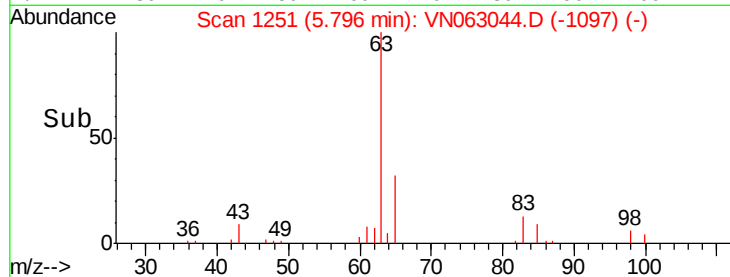
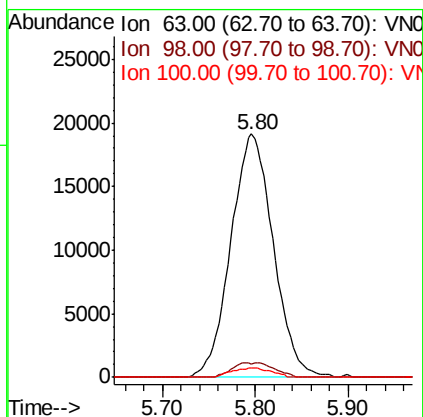
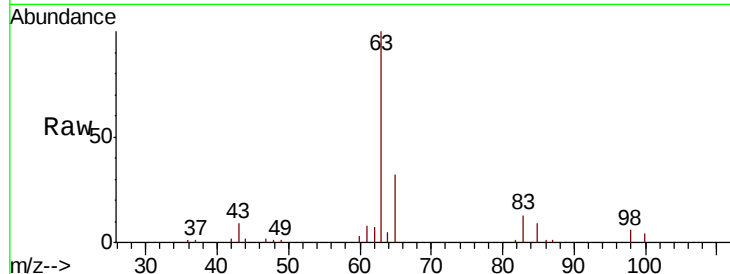




#21
 1,1-Dichloroethane
 Concen: 19.631 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN063044.D
 Acq: 20 Aug 2020 18:25

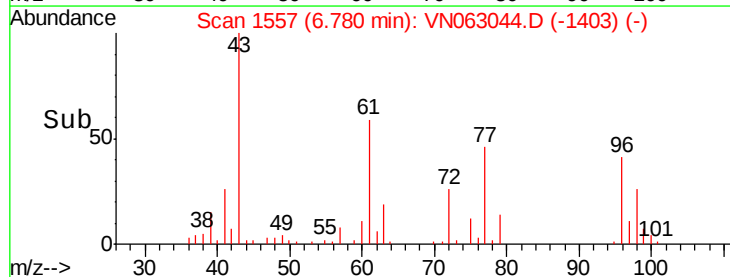
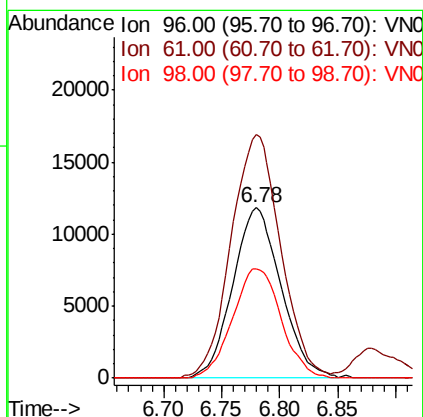
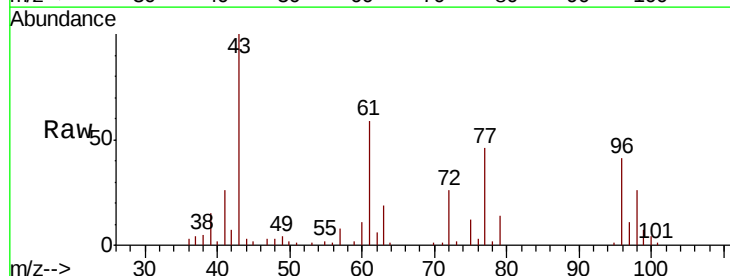
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

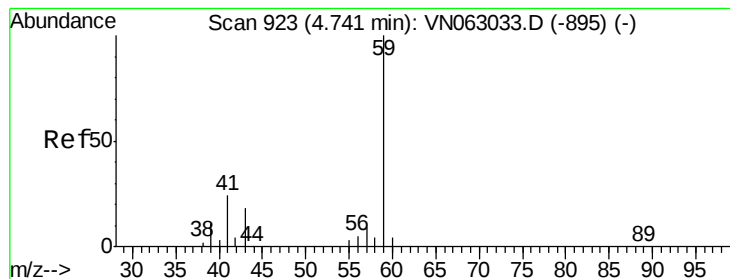
Tot Ion: 63 Resp: 60844
 Ion Ratio Lower Upper
 63 100
 98 5.6 3.1 9.3
 100 4.0 1.8 5.3



#22
 cis-1,2-Dichloroethene
 Concen: 19.053 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN063044.D
 Acq: 20 Aug 2020 18:25

Tgt Ion: 96 Resp: 34119
 Ion Ratio Lower Upper
 96 100
 61 147.0 120.9 181.3
 98 64.8 50.3 75.5





#23

tert-Butyl Alcohol

Concen: 78.823 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.00 min

Lab File: VN063044.D

Acq: 20 Aug 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

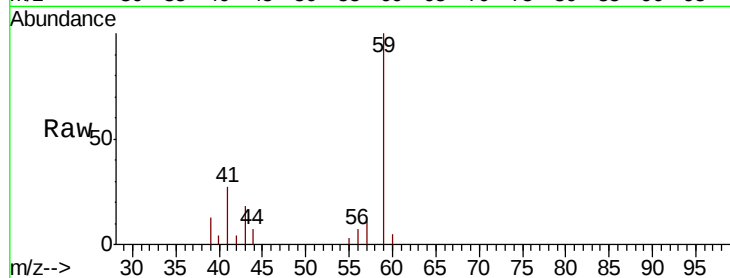
VSTDCCC020EC

Tot Ion: 59 Resp: 19806

Ion Ratio Lower Upper

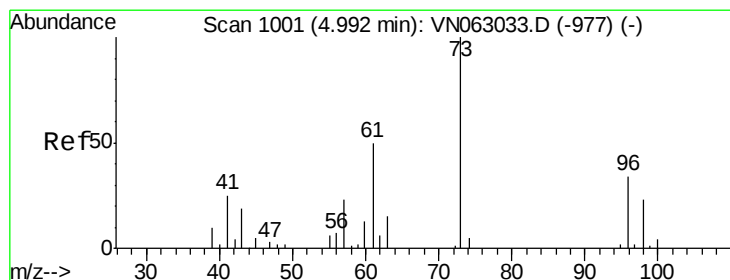
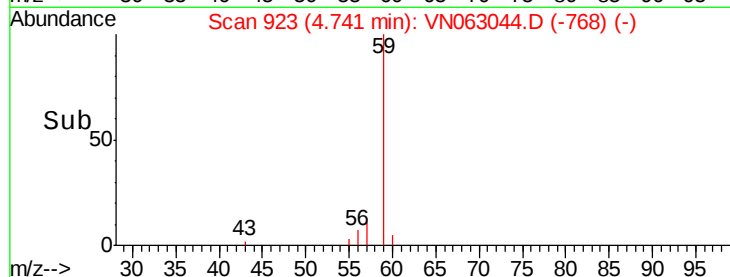
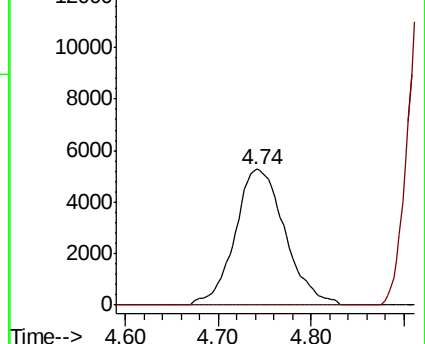
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN063033.D (-895) (-)

Ion 52.00 (51.70 to 52.70): VN063033.D (-895) (-)



#24

Methyl tert-Butyl Ether

Concen: 19.359 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN063044.D

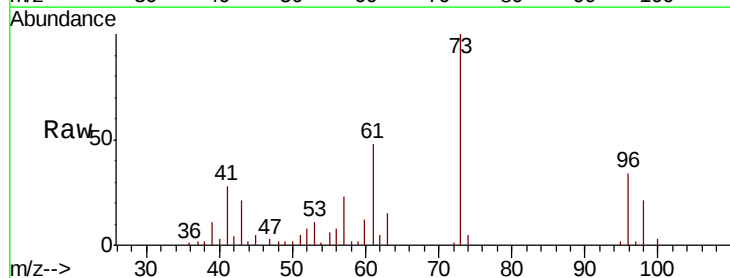
Acq: 20 Aug 2020 18:25

Tgt Ion: 73 Resp: 93325

Ion Ratio Lower Upper

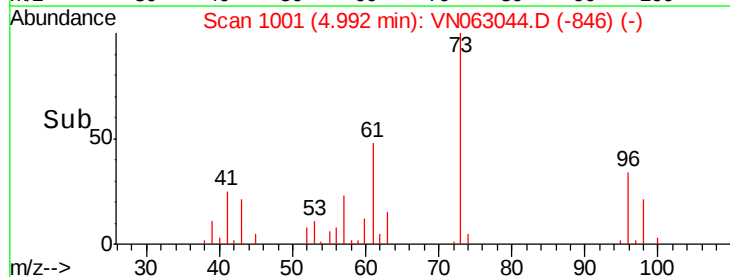
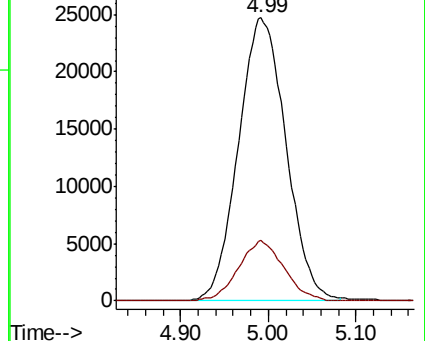
73 100

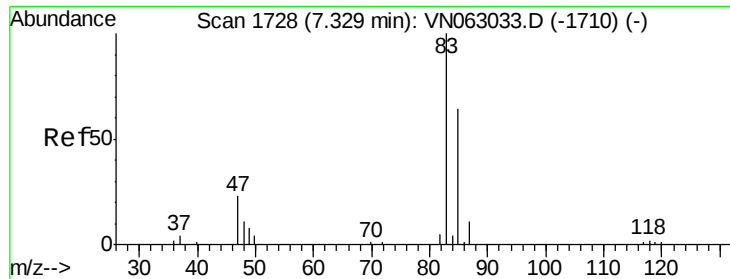
43 20.2 15.8 23.6



Abundance Ion 73.00 (72.70 to 73.70): VN063033.D (-977) (-)

Ion 43.00 (42.70 to 43.70): VN063033.D (-977) (-)

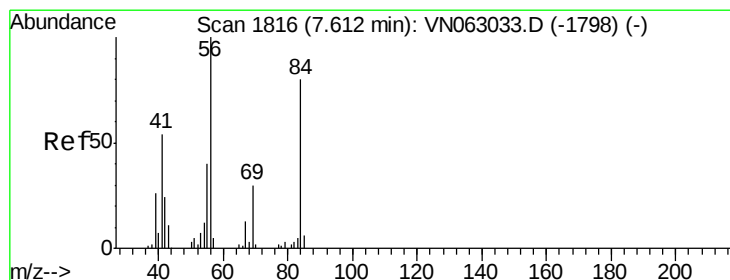
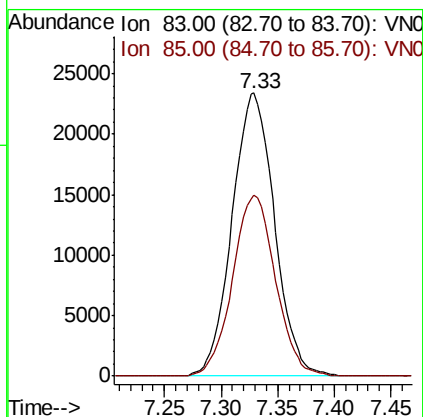
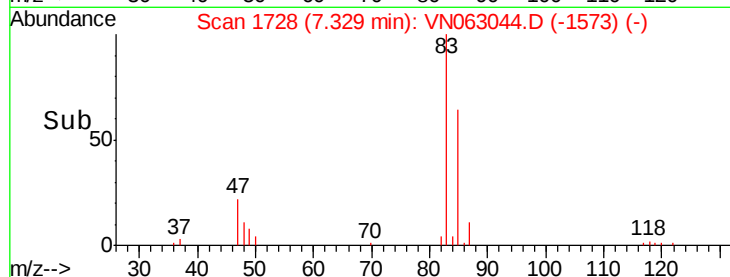
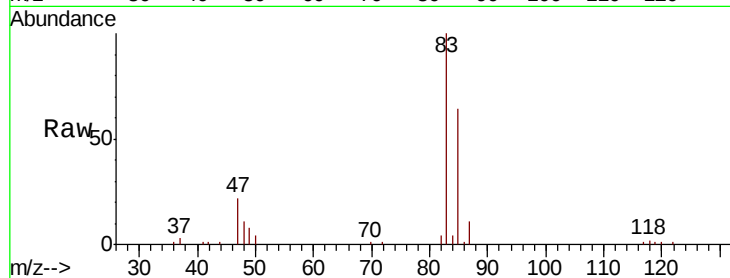




#25
Chloroform
Concen: 19.789 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN063044.D
Acq: 20 Aug 2020 18:25

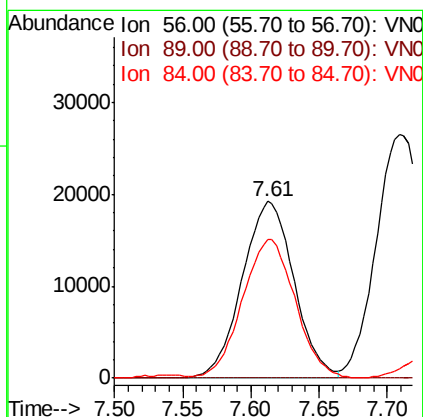
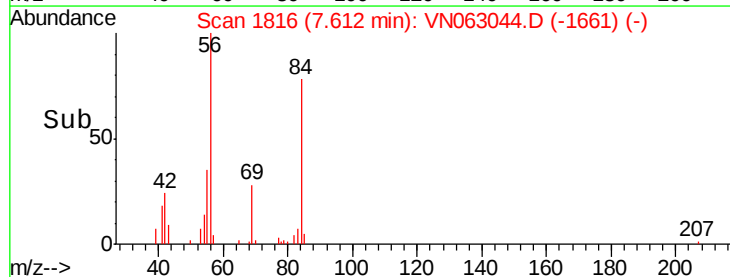
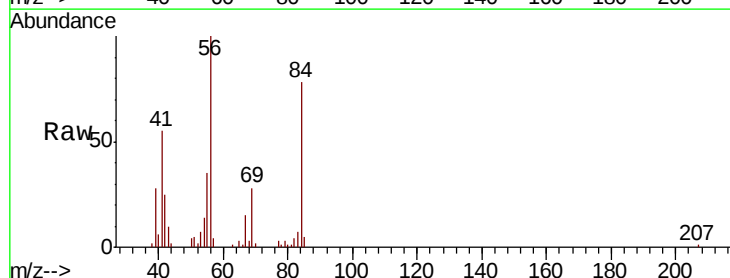
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

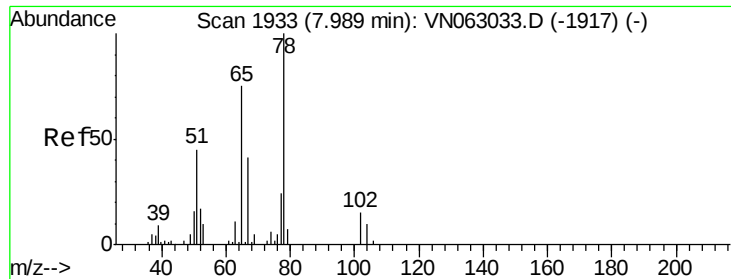
Tot Ion: 83 Resp: 61084
Ion Ratio Lower Upper
83 100
85 63.8 51.0 76.4



#26
Cyclohexane
Concen: 19.002 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN063044.D
Acq: 20 Aug 2020 18:25

Tgt Ion: 56 Resp: 50701
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 80.0 65.0 97.4





#27

1,2-Dichloroethane-d4

Concen: 30.387 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN063044.D

Acq: 20 Aug 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

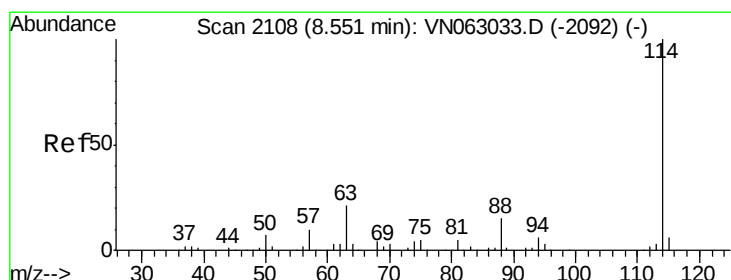
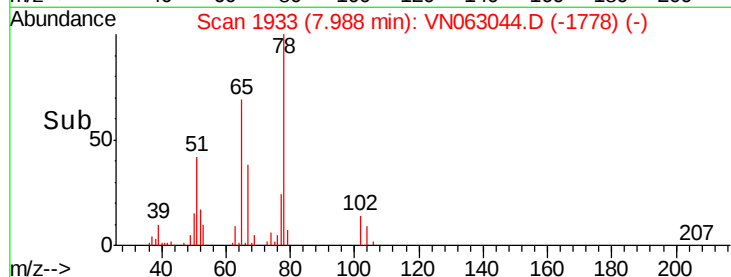
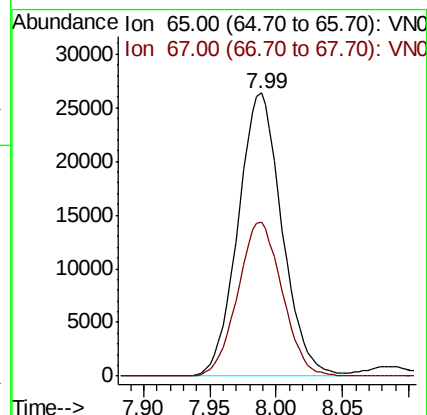
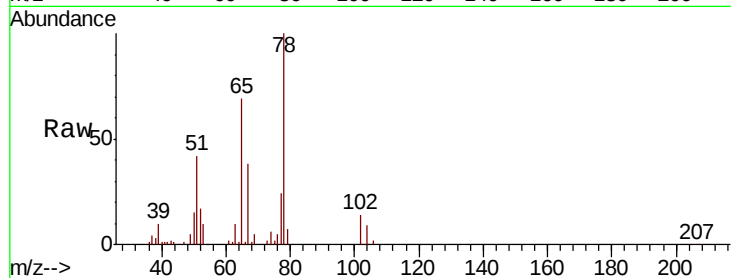
VSTDCCC020EC

Tot Ion: 65 Resp: 60628

Ion Ratio Lower Upper

65 100

67 54.9 43.8 65.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN063044.D

Acq: 20 Aug 2020 18:25

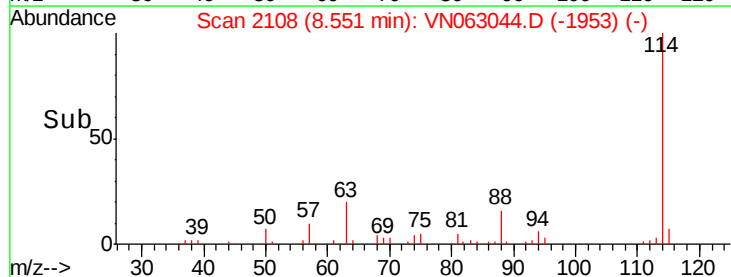
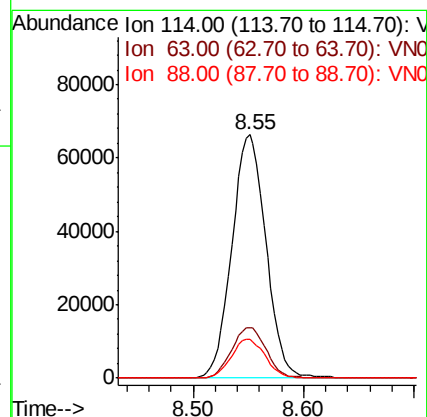
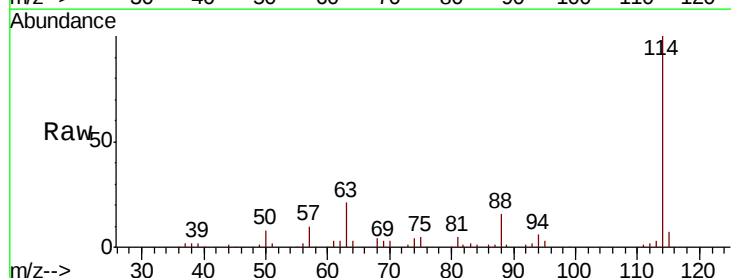
Tgt Ion: 114 Resp: 142154

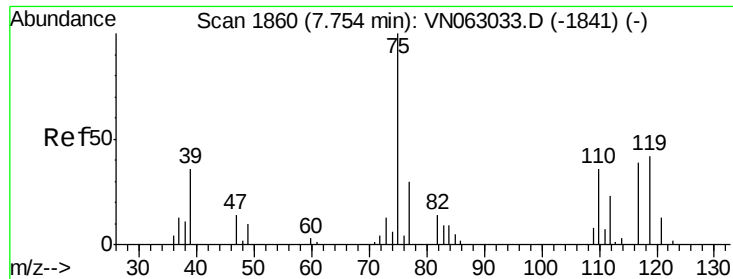
Ion Ratio Lower Upper

114 100

63 20.9 17.0 25.6

88 15.8 12.6 18.8

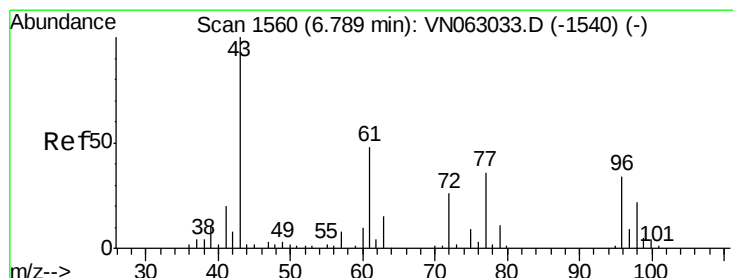
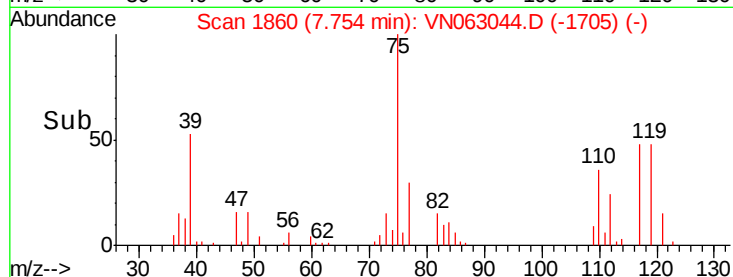
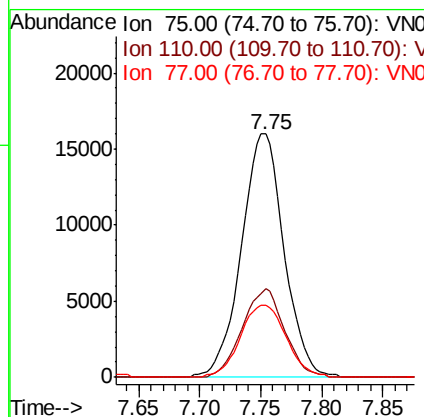
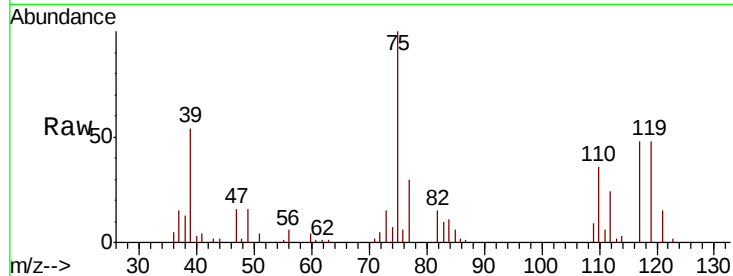




#29
 1,1-Dichloropropene
 Concen: 18.731 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN063044.D
 Acq: 20 Aug 2020 18:25

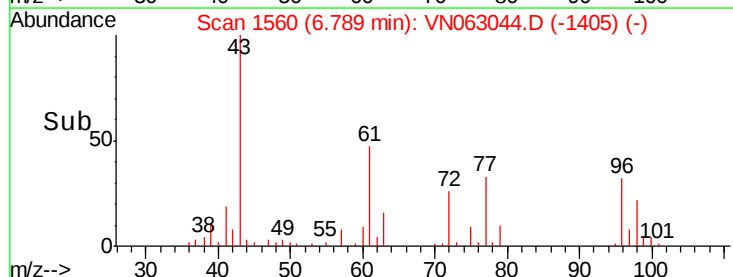
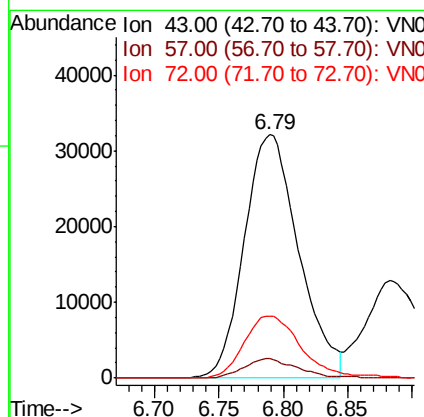
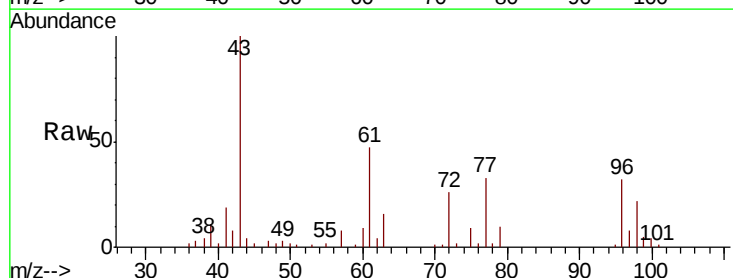
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

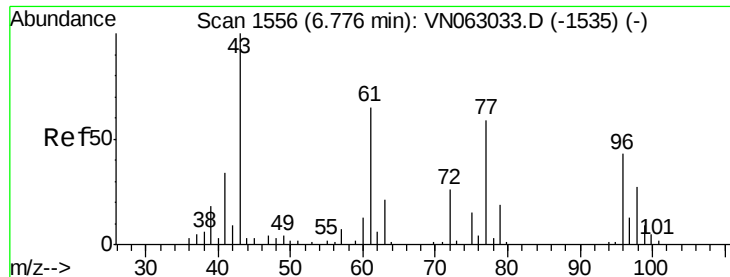
Tot Ion: 75 Resp: 38669
 Ion Ratio Lower Upper
 75 100
 110 36.1 0.0 70.6
 77 31.8 0.0 60.2



#30
 2-Butanone
 Concen: 98.325 ug/l
 RT: 6.79 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: VN063044.D
 Acq: 20 Aug 2020 18:25

Tgt Ion: 43 Resp: 94610
 Ion Ratio Lower Upper
 43 100
 57 7.7 6.6 9.8
 72 26.5 21.3 31.9





#31

2,2-Dichloropropane

Concen: 17.392 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN063044.D

Acq: 20 Aug 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

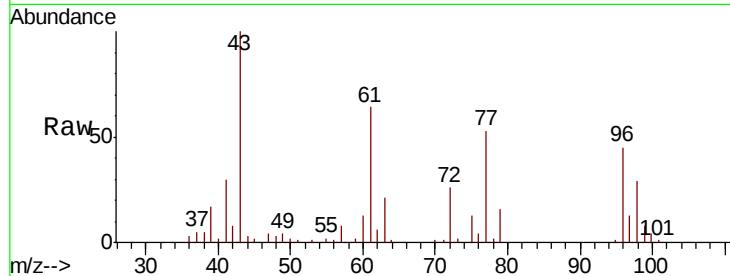
VSTDCCC020EC

Tot Ion: 77 Resp: 43641

Ion Ratio Lower Upper

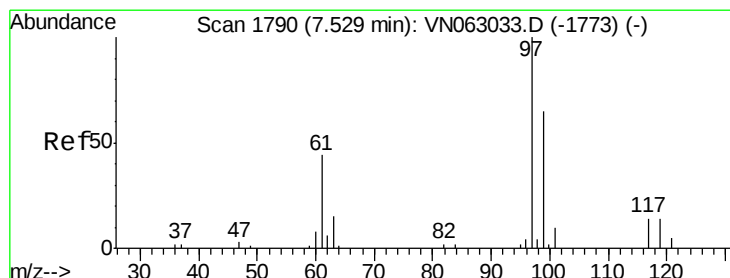
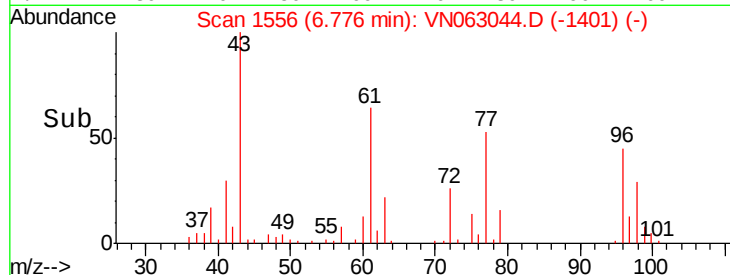
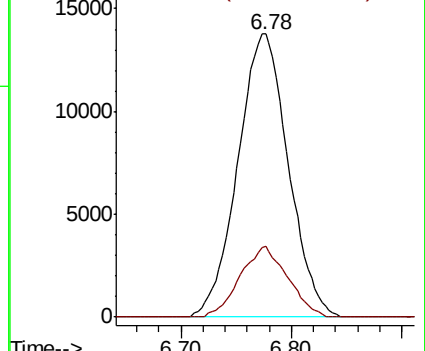
77 100

97 23.4 18.2 27.4



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.903 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN063044.D

Acq: 20 Aug 2020 18:25

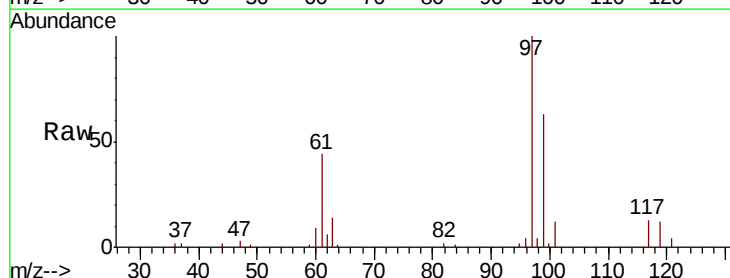
Tgt Ion: 97 Resp: 49487

Ion Ratio Lower Upper

97 100

99 63.7 51.7 77.5

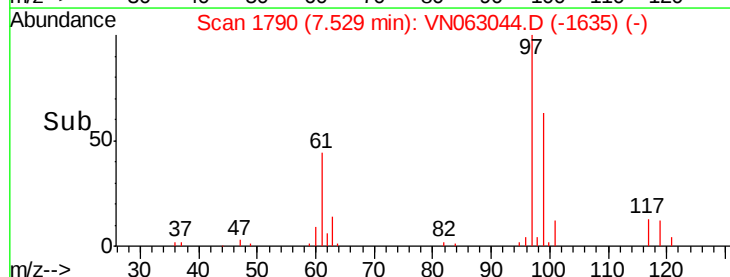
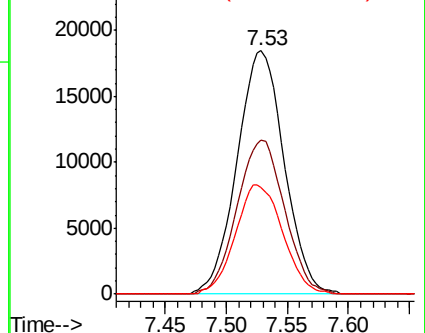
61 45.1 35.3 52.9

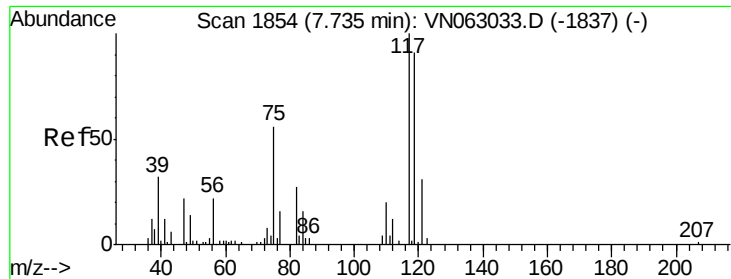


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

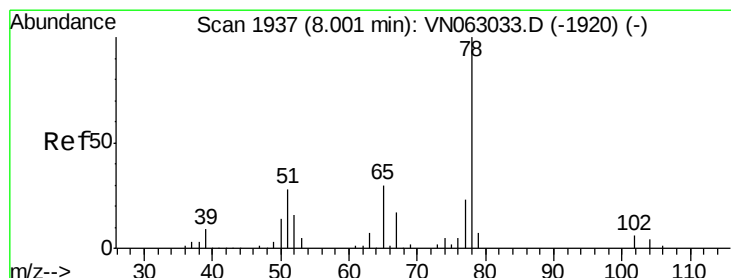
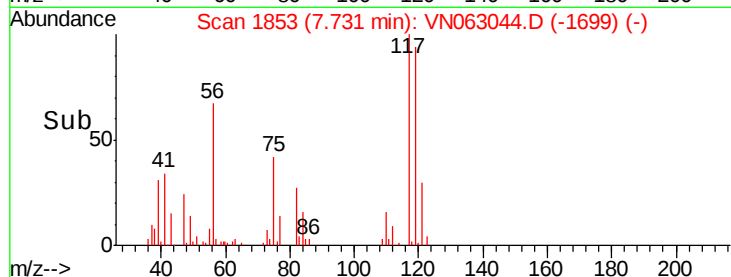
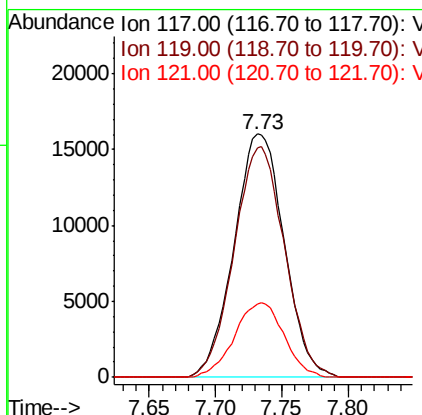
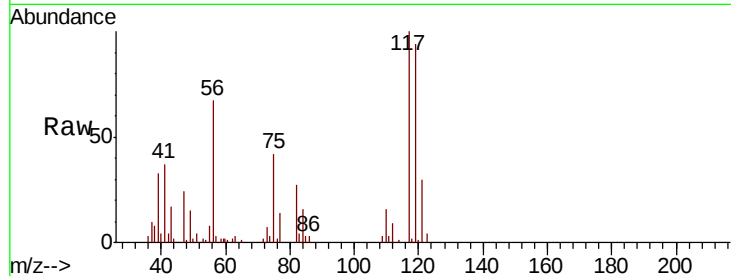




#33
Carbon Tetrachloride
Concen: 19.940 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN063044.D
Acq: 20 Aug 2020 18:25

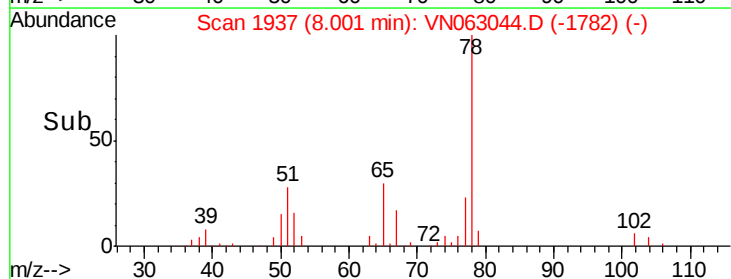
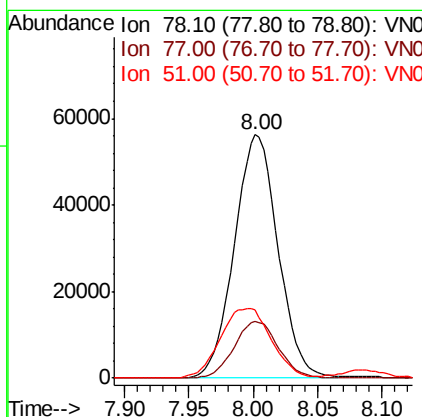
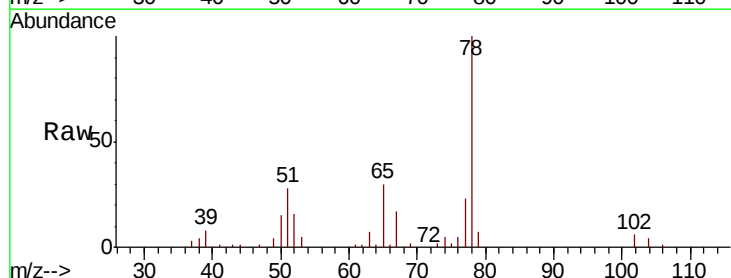
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

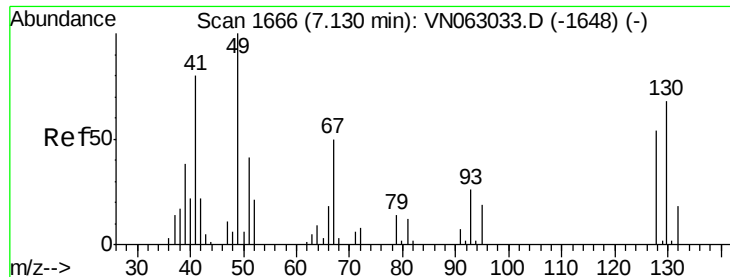
Tot Ion:117 Resp: 42220
Ion Ratio Lower Upper
117 100
119 94.1 73.0 109.4
121 30.0 24.9 37.3



#34
Benzene
Concen: 20.040 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN063044.D
Acq: 20 Aug 2020 18:25

Tgt Ion: 78 Resp: 132580
Ion Ratio Lower Upper
78 100
77 23.3 18.6 27.8
51 26.8 22.2 33.2

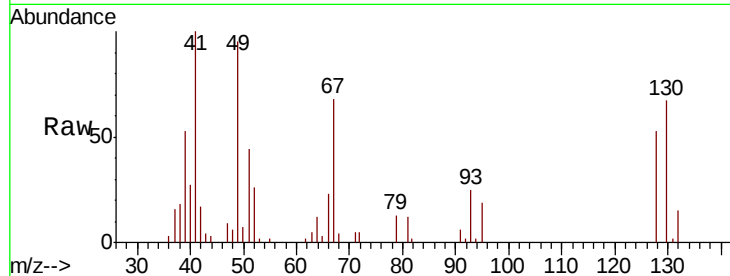




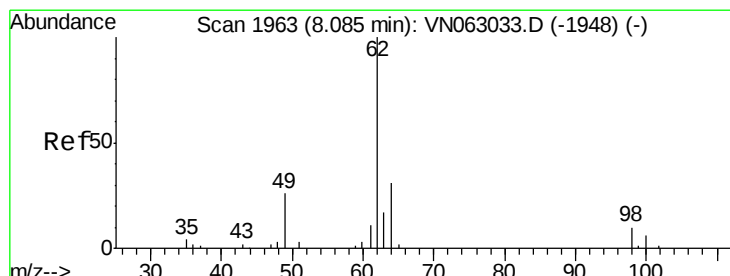
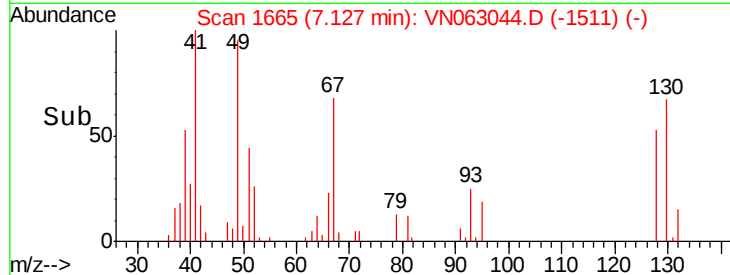
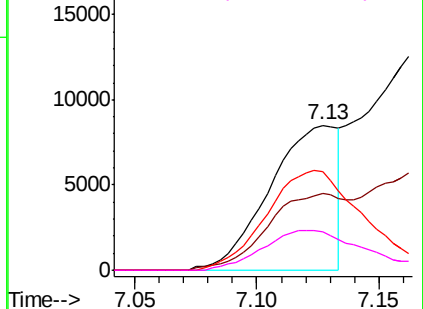
#35
Methacrylonitrile
Concen: 18.088 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VN063044.D
Acq: 20 Aug 2020 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 41 Resp: 16542
Ion Ratio Lower Upper
41 100
39 53.3 23.7 71.1
67 67.7 31.6 94.7
52 26.2 13.1 39.3

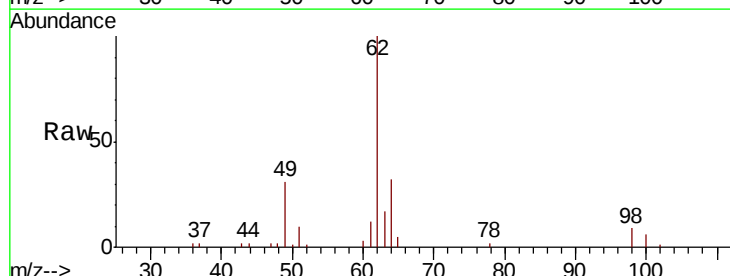


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

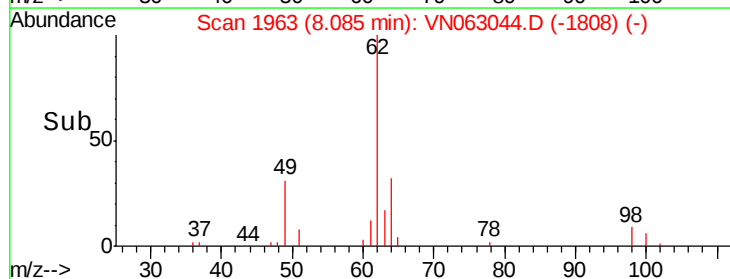
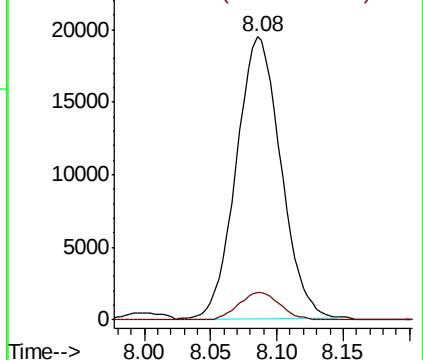


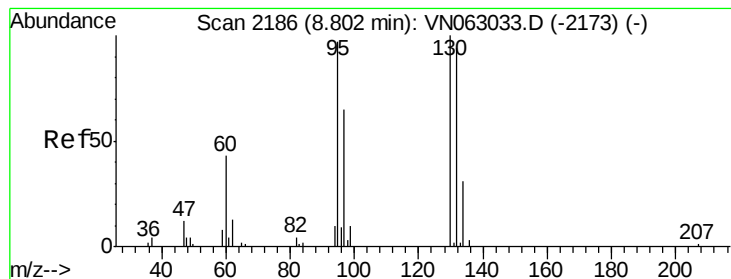
#36
1,2-Dichloroethane
Concen: 20.128 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN063044.D
Acq: 20 Aug 2020 18:25

Tgt Ion: 62 Resp: 45429
Ion Ratio Lower Upper
62 100
98 9.0 7.6 11.4



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





#37

Trichloroethene

Concen: 19.224 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN063044.D

Acq: 20 Aug 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

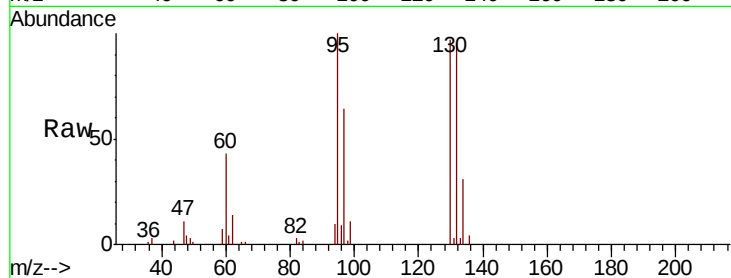
VSTDCCC020EC

Tot Ion:130 Resp: 31146

Ion Ratio Lower Upper

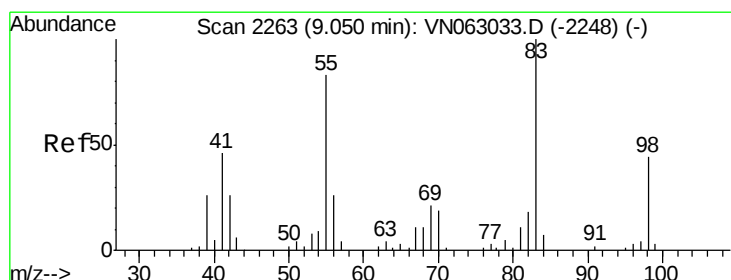
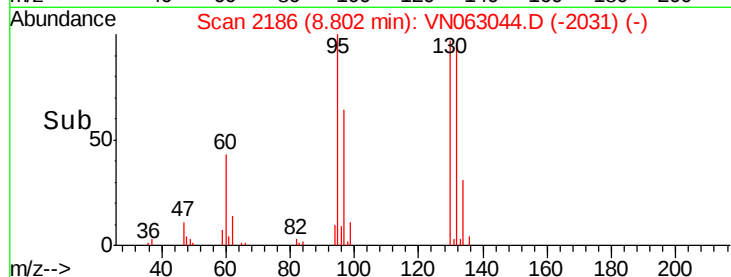
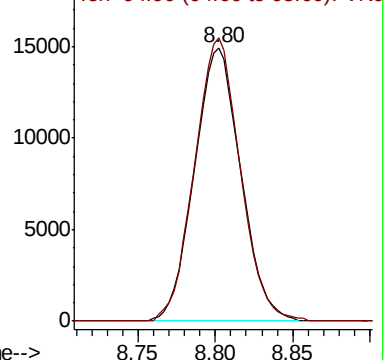
130 100

95 103.5 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: 17.630 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VN063044.D

Acq: 20 Aug 2020 18:25

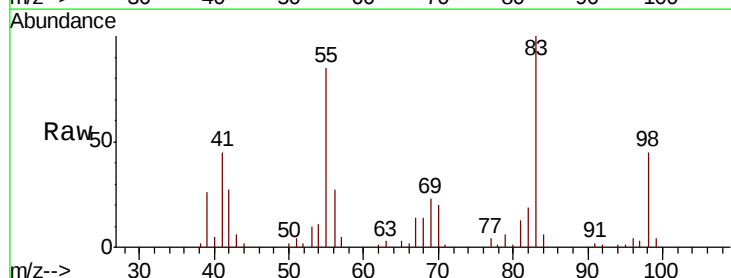
Tgt Ion: 83 Resp: 45650

Ion Ratio Lower Upper

83 100

55 86.3 41.9 125.7

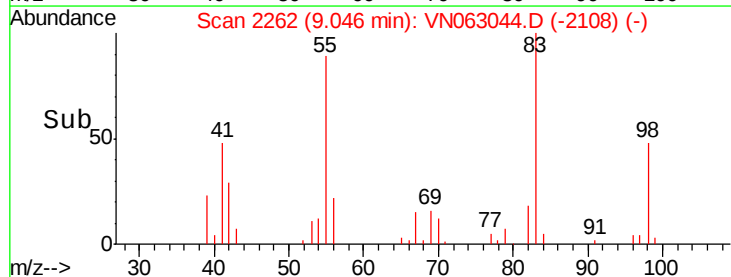
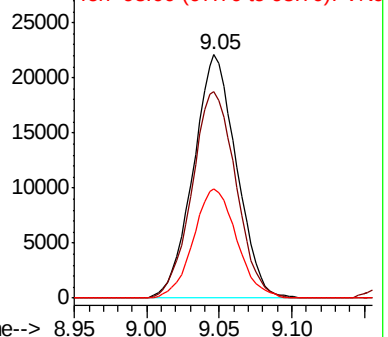
98 44.9 22.2 66.6

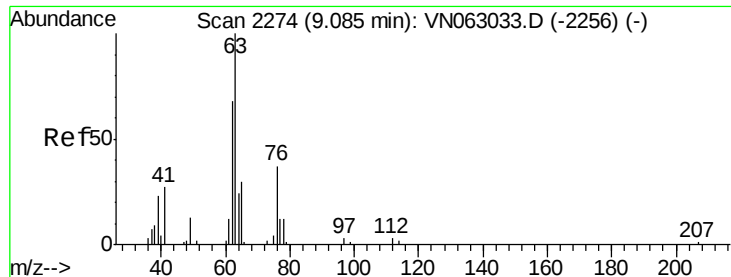


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

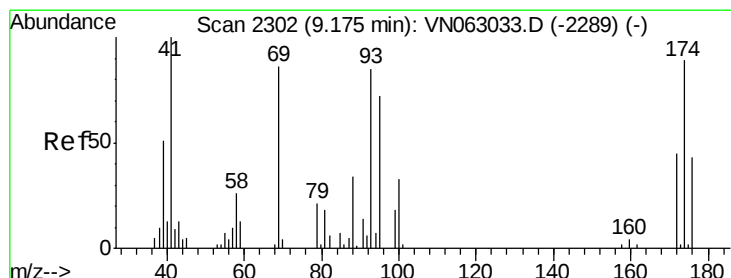
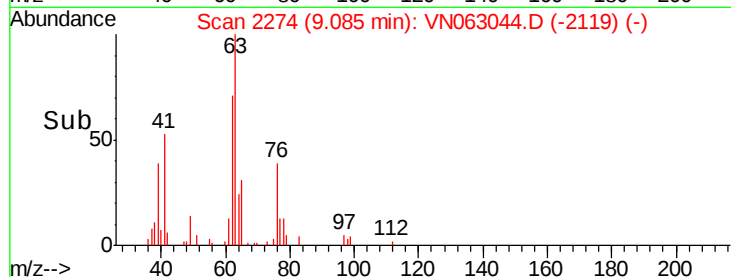
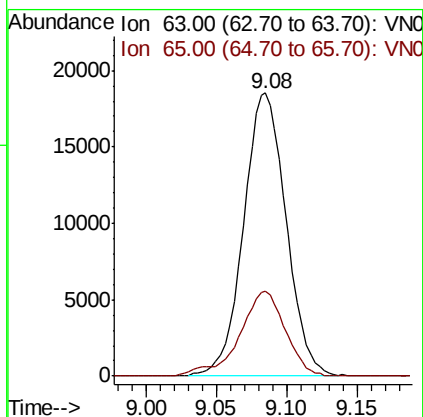
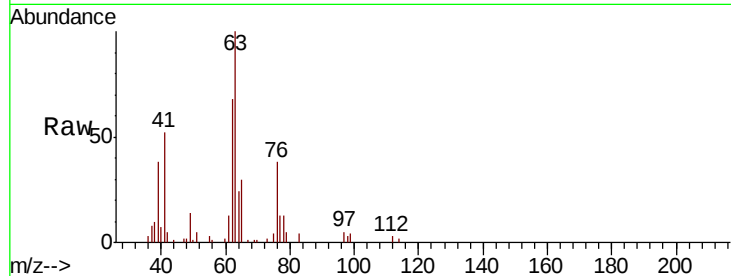




#39
 1,2-Dichloropropane
 Concen: 20.310 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN063044.D
 Acq: 20 Aug 2020 18:25

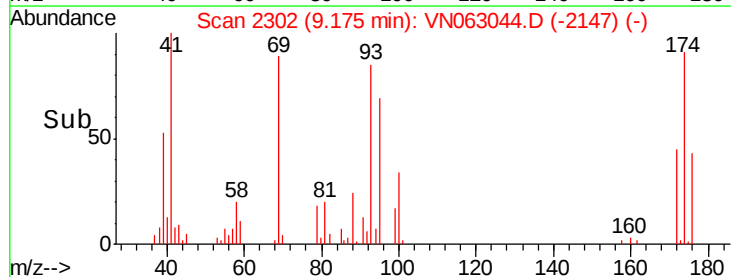
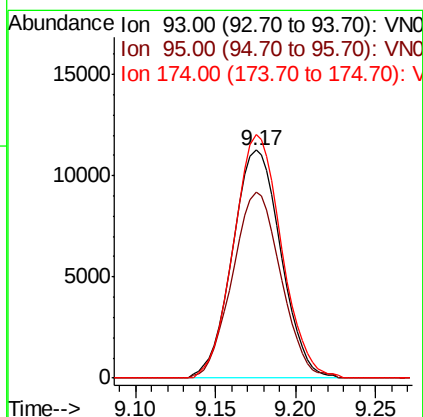
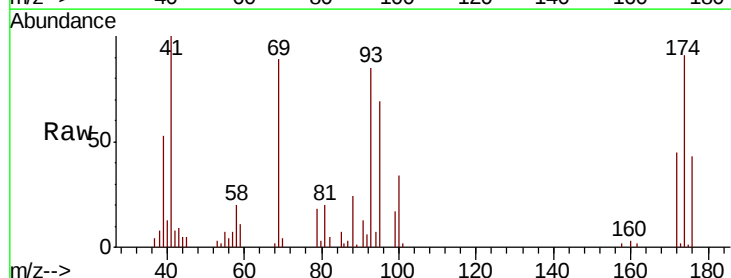
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

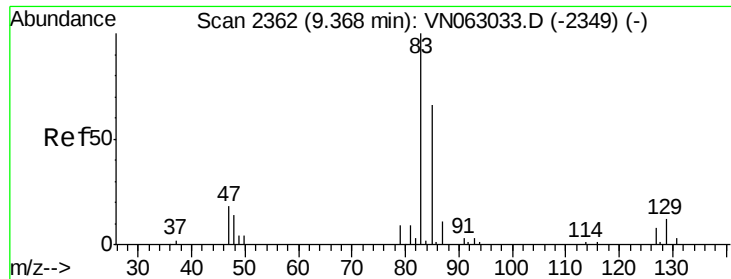
Tot Ion: 63 Resp: 39105
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.1 37.7



#40
 Dibromomethane
 Concen: 20.890 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN063044.D
 Acq: 20 Aug 2020 18:25

Tgt Ion: 93 Resp: 23353
 Ion Ratio Lower Upper
 93 100
 95 81.5 0.0 168.2
 174 105.4 0.0 208.4

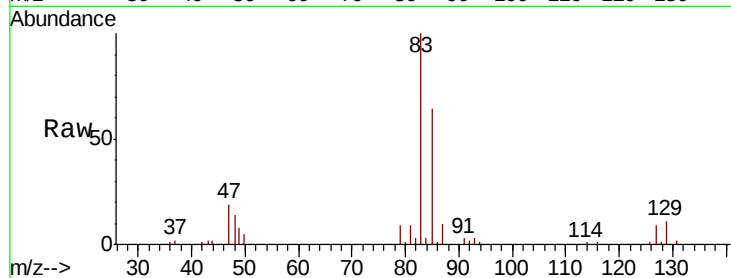




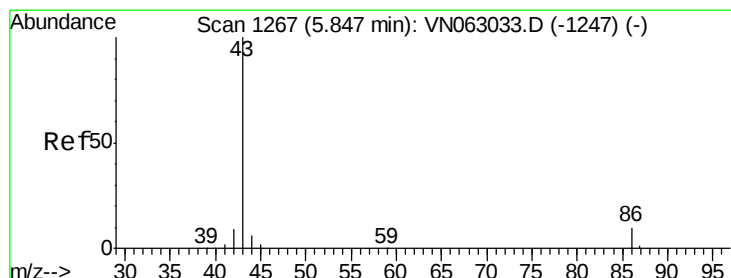
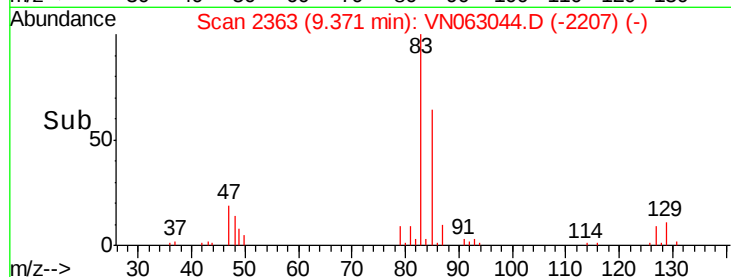
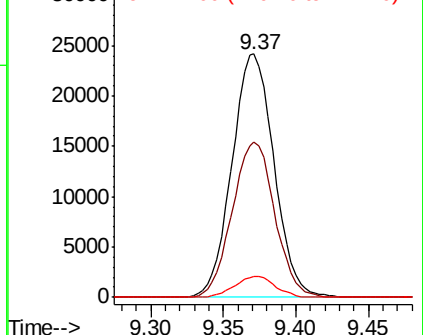
#41
 Bromodichloromethane
 Concen: 19.657 ug/l
 RT: 9.37 min Scan# 2363
 Delta R.T. 0.00 min
 Lab File: VN063044.D
 Acq: 20 Aug 2020 18:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 83 Resp: 48697
 Ion Ratio Lower Upper
 83 100
 85 63.6 52.6 79.0
 127 8.7 7.4 11.0

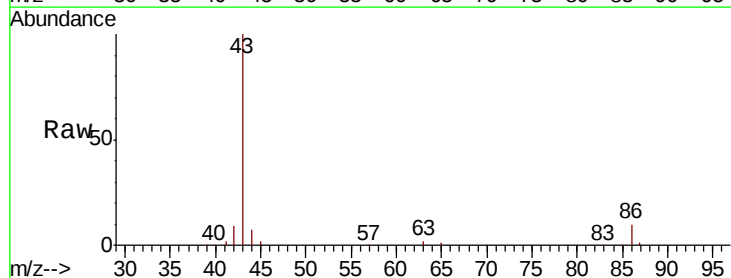


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0
 Ion 127.00 (126.70 to 127.70): VN0

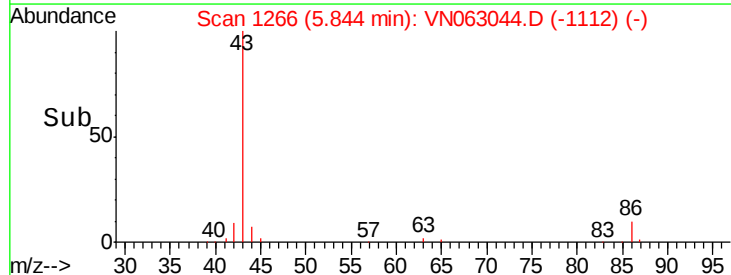
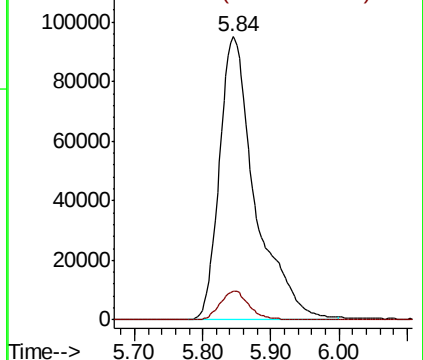


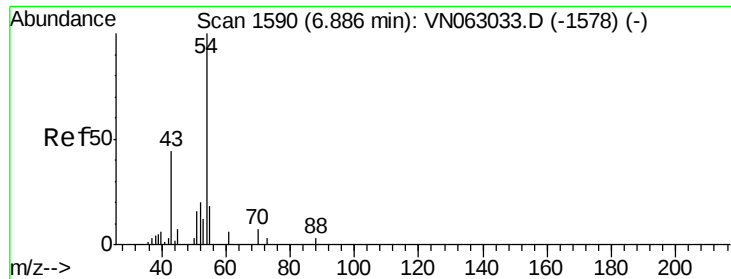
#42
 Vinyl Acetate
 Concen: 95.206 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN063044.D
 Acq: 20 Aug 2020 18:25

Tgt Ion: 43 Resp: 347033
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.7 10.1



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





#43

Ethyl Acetate

Concen: 21.159 ug/l

RT: 6.88 min Scan# 1589

Delta R.T. -0.00 min

Lab File: VN063044.D

Acq: 20 Aug 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

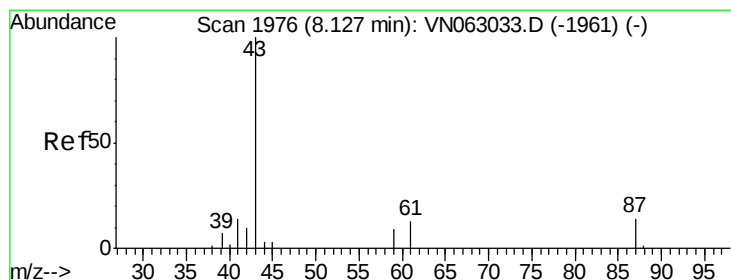
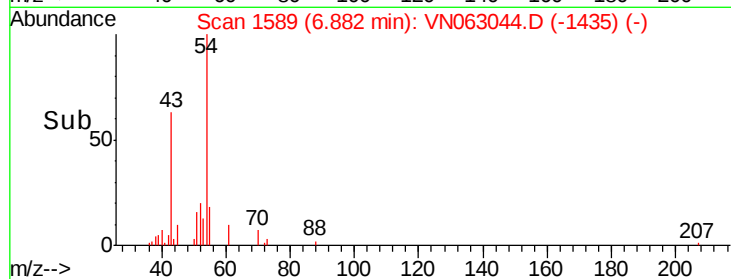
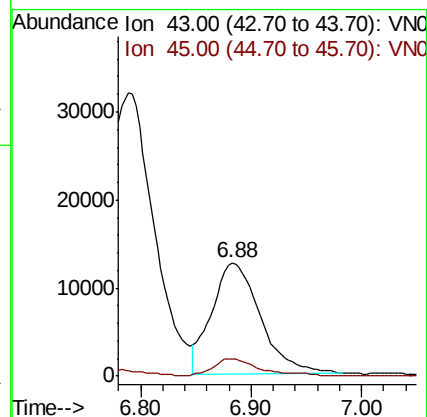
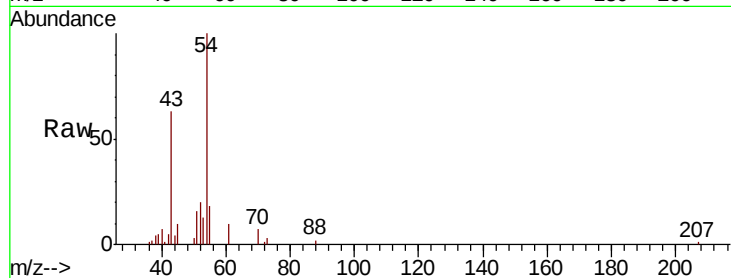
VSTDCCC020EC

Tot Ion: 43 Resp: 38860

Ion Ratio Lower Upper

43 100

45 13.6 11.3 16.9



#44

Isopropyl Acetate

Concen: 20.401 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN063044.D

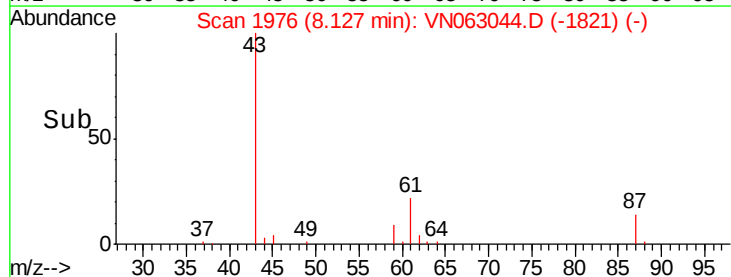
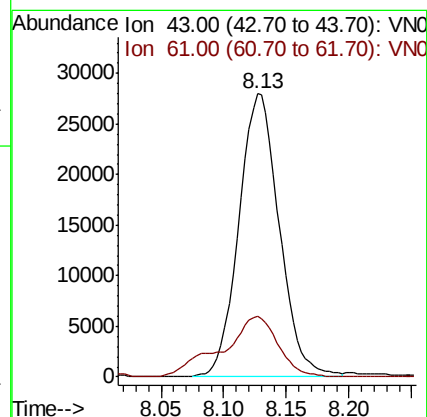
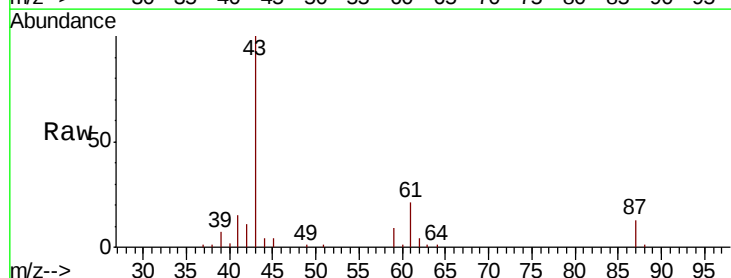
Acq: 20 Aug 2020 18:25

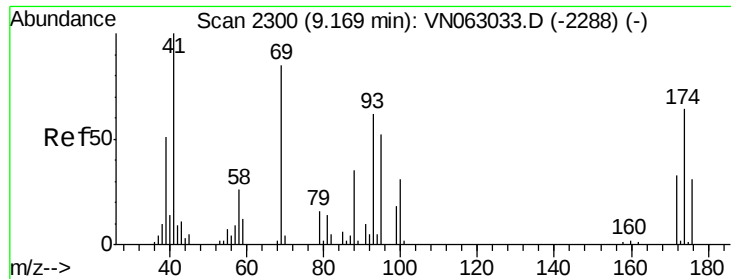
Tgt Ion: 43 Resp: 62899

Ion Ratio Lower Upper

43 100

61 21.4 17.5 26.3





#45

1,4-Dioxane

Concen: 255.816 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. -0.00 min

Lab File: VN063044.D

Acq: 20 Aug 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

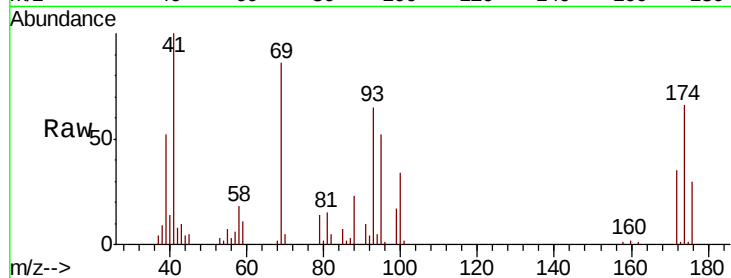
Tot Ion: 88 Resp: 7387

Ion Ratio Lower Upper

88 100

43 40.1 28.5 42.7

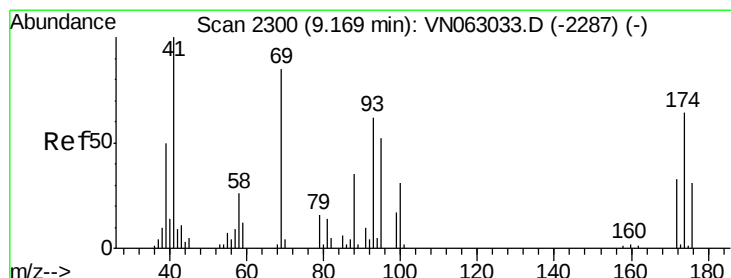
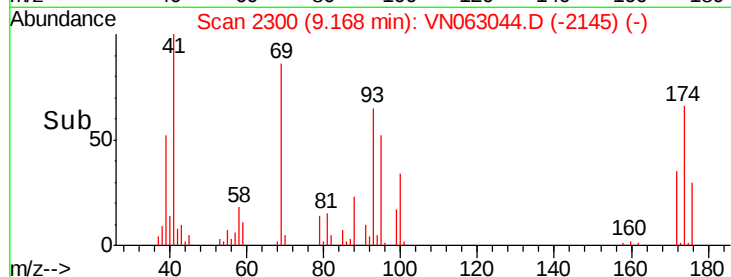
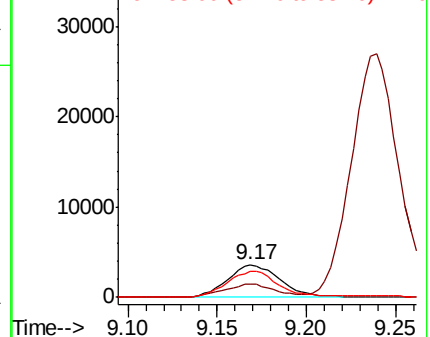
58 78.8 59.6 89.4



Abundance Ion 88.00 (87.70 to 88.70): VN063033.D (-2288) (-)

Ion 43.00 (42.70 to 43.70): VN063033.D (-2288) (-)

Ion 58.00 (57.70 to 58.70): VN063033.D (-2288) (-)



#46

Methyl methacrylate

Concen: 19.533 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. -0.00 min

Lab File: VN063044.D

Acq: 20 Aug 2020 18:25

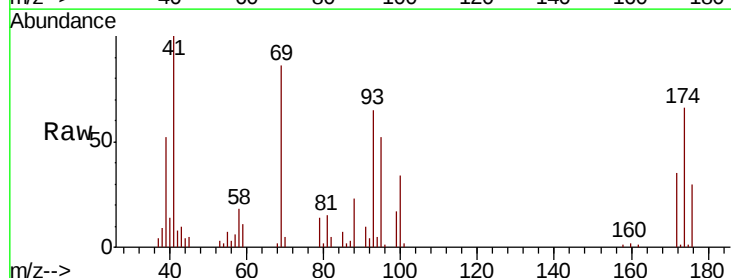
Tgt Ion: 41 Resp: 29651

Ion Ratio Lower Upper

41 100

69 87.9 42.6 128.0

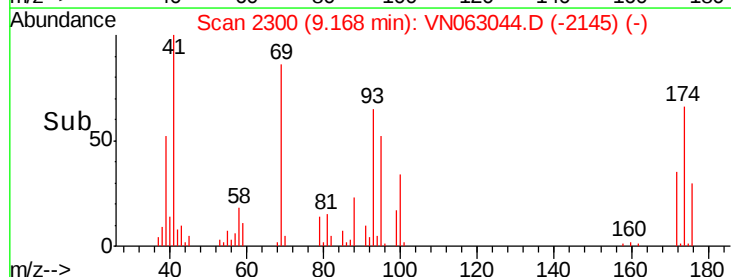
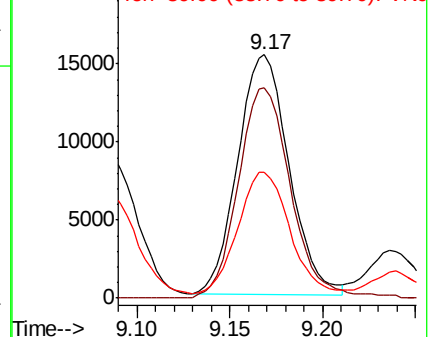
39 50.9 25.1 75.4

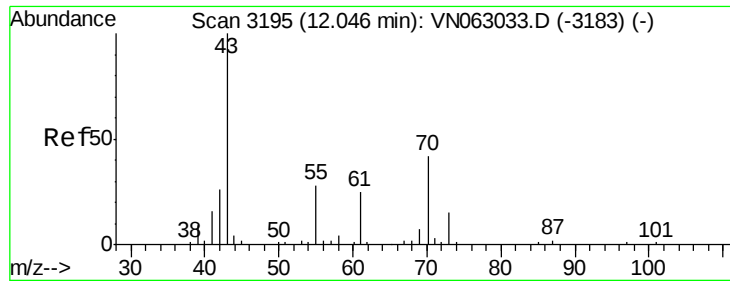


Abundance Ion 41.00 (40.70 to 41.70): VN063033.D (-2287) (-)

Ion 69.00 (68.70 to 69.70): VN063033.D (-2287) (-)

Ion 39.00 (38.70 to 39.70): VN063033.D (-2287) (-)





#47

n-amyl Acetate

Concen: 20.005 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN063044.D

Acq: 20 Aug 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

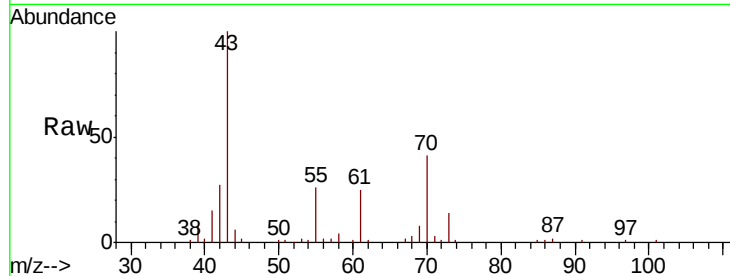
VSTDCCC020EC

Tot Ion: 43 Resp: 54744

Ion Ratio Lower Upper

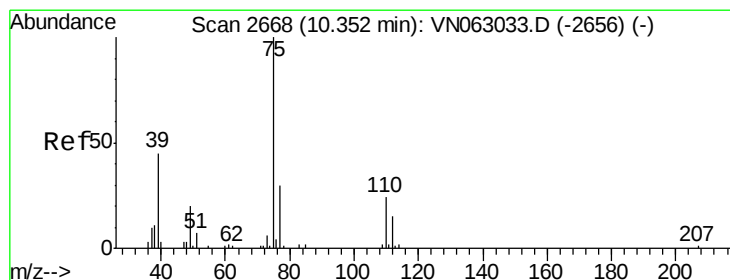
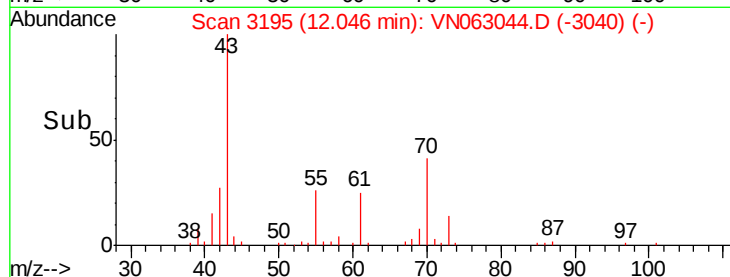
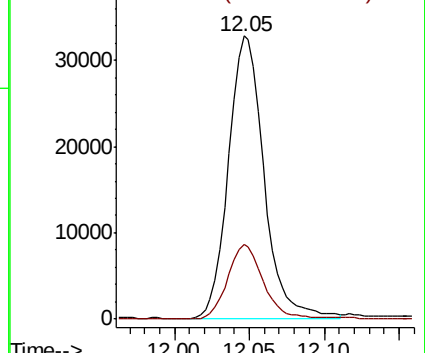
43 100

55 25.9 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 18.790 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN063044.D

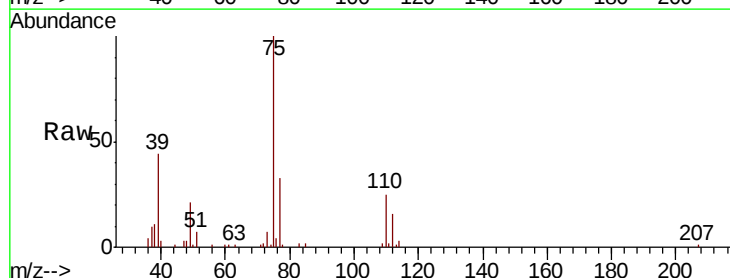
Acq: 20 Aug 2020 18:25

Tgt Ion: 75 Resp: 49160

Ion Ratio Lower Upper

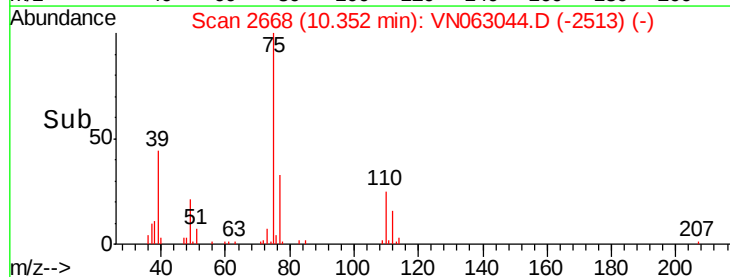
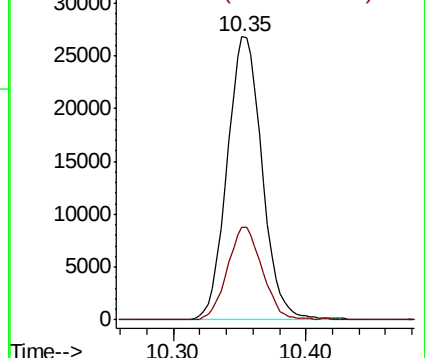
75 100

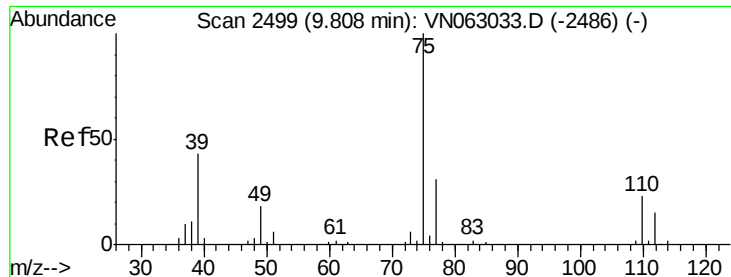
77 32.7 23.8 35.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



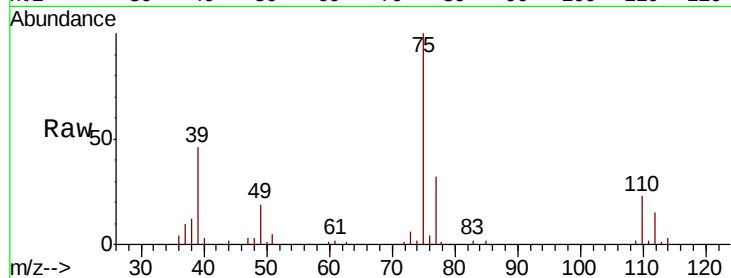


#49

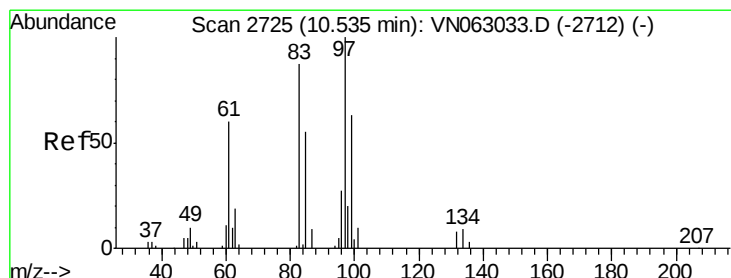
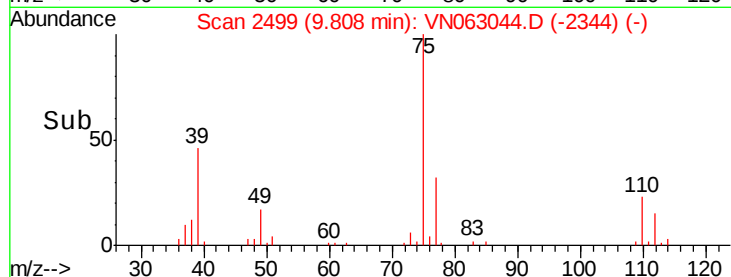
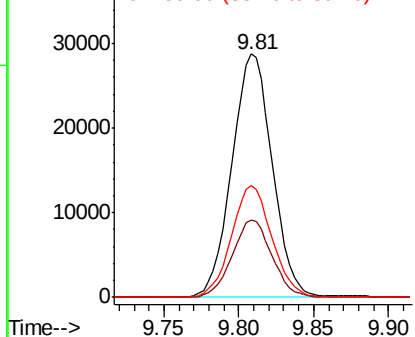
cis-1,3-Dichloropropene
Concen: 18.991 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN063044.D
Acq: 20 Aug 2020 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 75 Resp: 54084
Ion Ratio Lower Upper
75 100
77 31.9 24.8 37.2
39 45.9 34.5 51.7



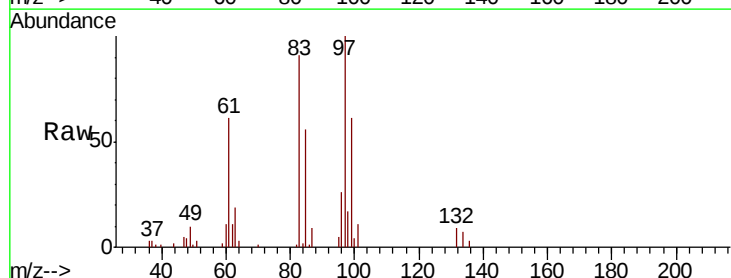
Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 77.00 (76.70 to 77.70): VN0
Ion 39.00 (38.70 to 39.70): VN0



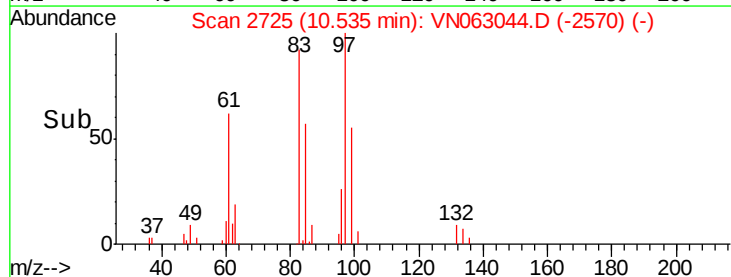
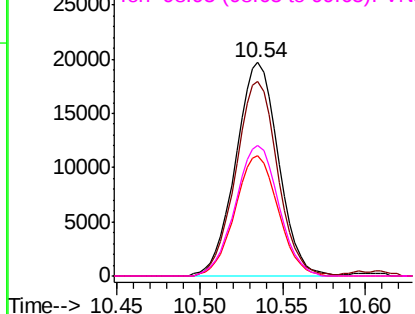
#50

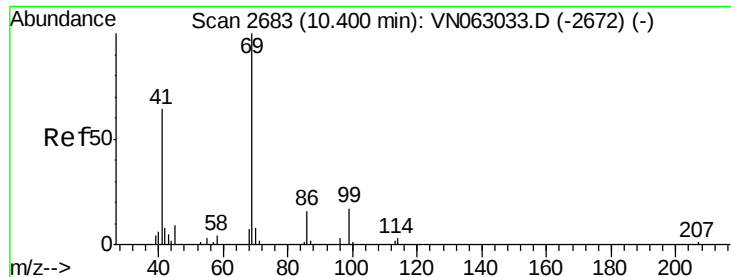
1,1,2-Trichloroethane
Concen: 20.572 ug/l
RT: 10.54 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VN063044.D
Acq: 20 Aug 2020 18:25

Tgt Ion: 97 Resp: 35459
Ion Ratio Lower Upper
97 100
83 91.4 69.9 104.9
85 56.3 44.0 66.0
99 61.2 50.6 76.0



Abundance Ion 97.00 (96.70 to 97.70): VN0
Ion 82.95 (82.65 to 83.65): VN0
Ion 84.95 (84.65 to 85.65): VN0
Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 19.316 ug/l

RT: 10.40 min Scan# 2684

Delta R.T. 0.00 min

Lab File: VN063044.D

Acq: 20 Aug 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

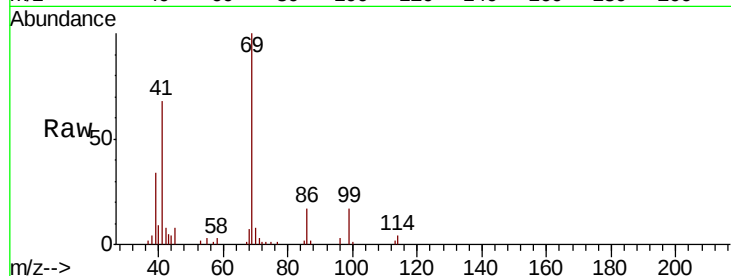
Tot Ion: 69 Resp: 45296

Ion Ratio Lower Upper

69 100

41 67.7 32.1 96.5

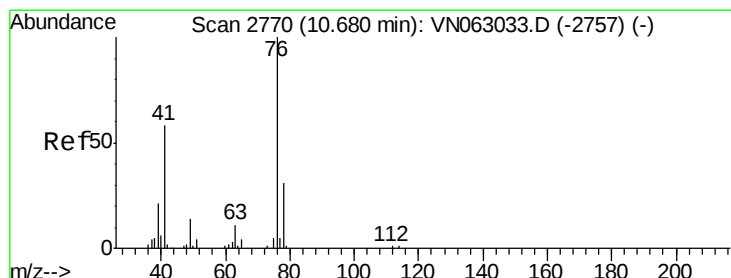
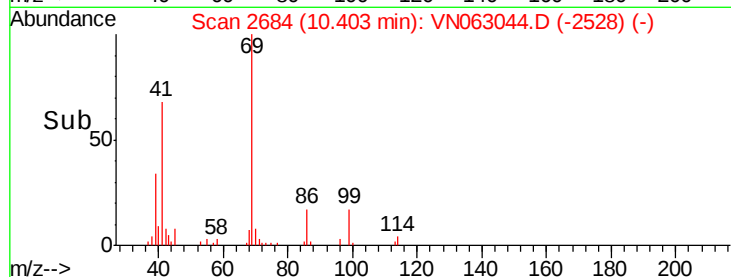
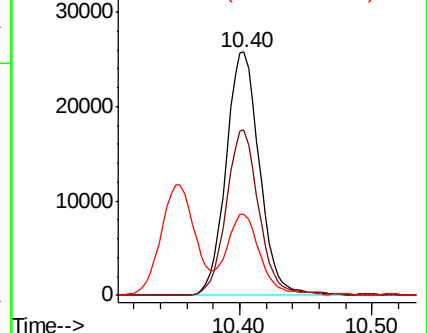
39 32.9 16.1 48.3



Abundance Ion 69.00 (68.70 to 69.70): VN063033.D (-2672) (-)

Ion 41.00 (40.70 to 41.70): VN063033.D (-2672) (-)

Ion 39.00 (38.70 to 39.70): VN063033.D (-2672) (-)



#52

1,3-Dichloropropane

Concen: 20.332 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VN063044.D

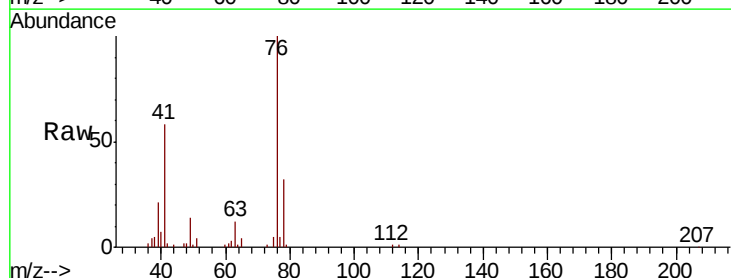
Acq: 20 Aug 2020 18:25

Tgt Ion: 76 Resp: 57899

Ion Ratio Lower Upper

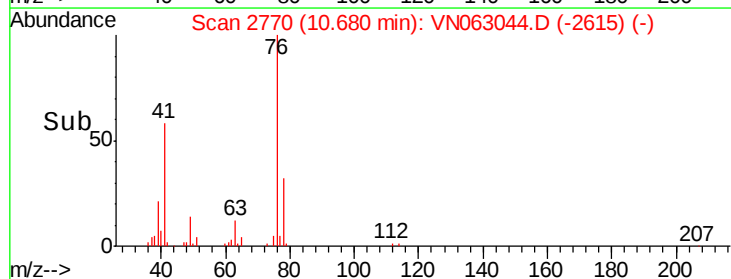
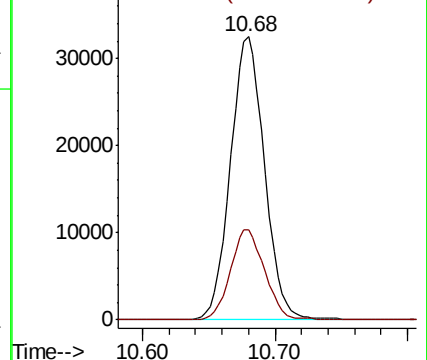
76 100

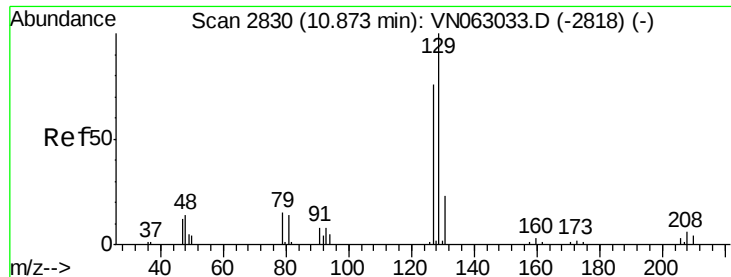
78 31.6 0.0 63.2



Abundance Ion 76.00 (75.70 to 76.70): VN063033.D (-2757) (-)

Ion 78.00 (77.70 to 78.70): VN063033.D (-2757) (-)

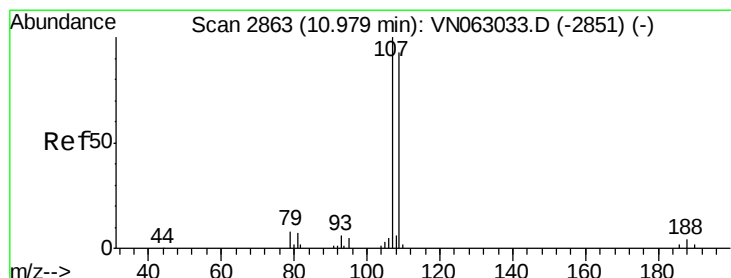
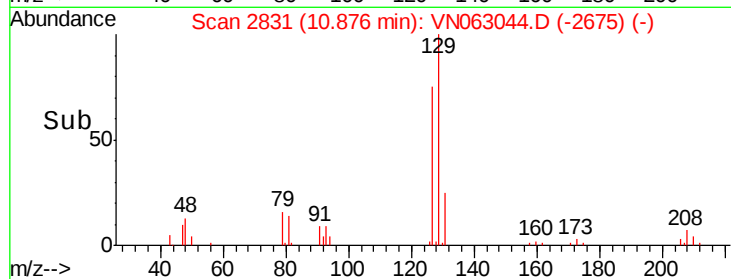
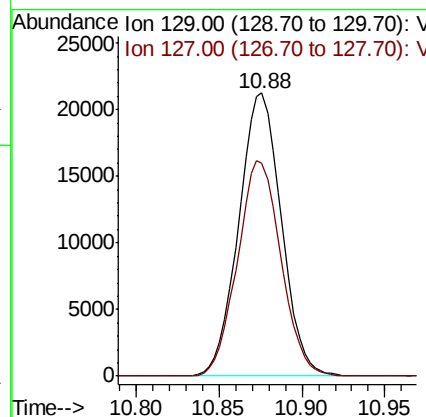
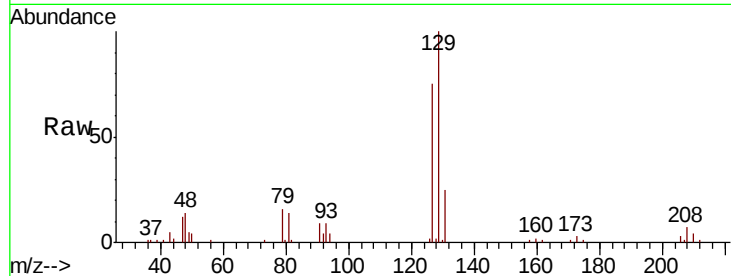




#53
 Dibromochloromethane
 Concen: 20.105 ug/l
 RT: 10.88 min Scan# 2831
 Delta R.T. 0.00 min
 Lab File: VN063044.D
 Acq: 20 Aug 2020 18:25

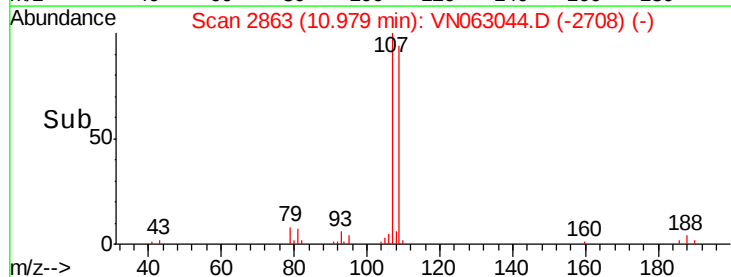
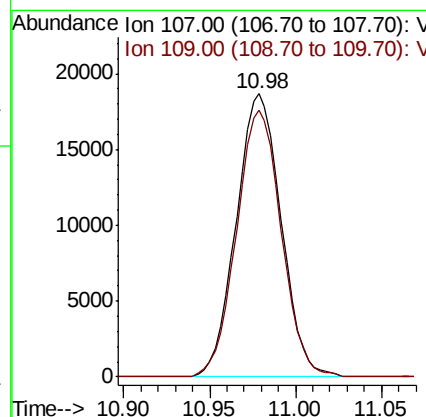
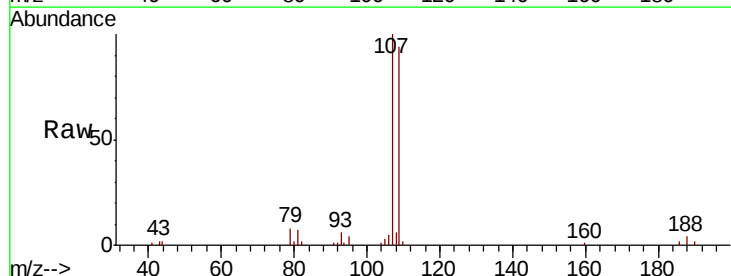
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

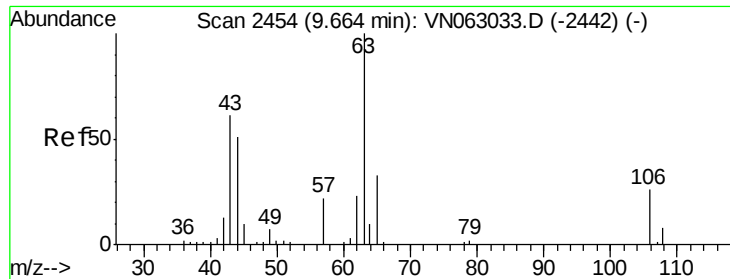
Tot Ion:129 Resp: 38028
 Ion Ratio Lower Upper
 129 100
 127 77.4 38.7 116.1



#54
 1,2-Dibromoethane
 Concen: 20.413 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN063044.D
 Acq: 20 Aug 2020 18:25

Tgt Ion:107 Resp: 33753
 Ion Ratio Lower Upper
 107 100
 109 94.1 76.3 114.5

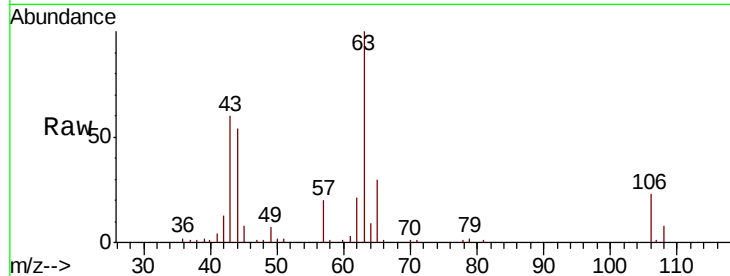




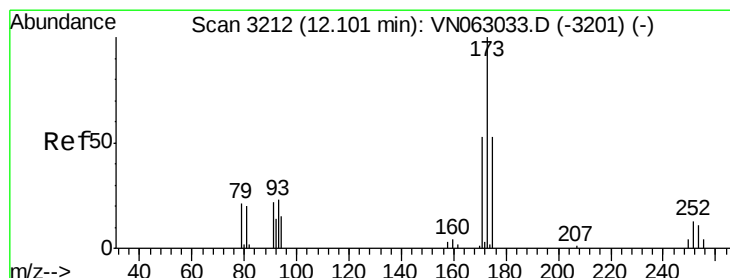
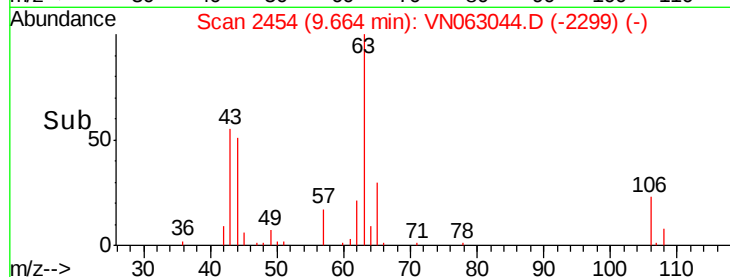
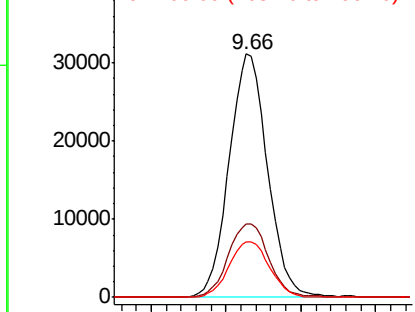
#55
2-Chloroethyl vinyl ether
Concen: 115.446 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VN063044.D
Acq: 20 Aug 2020 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 63 Resp: 55609
Ion Ratio Lower Upper
63 100
65 31.8 25.9 38.9
106 23.9 19.9 29.9

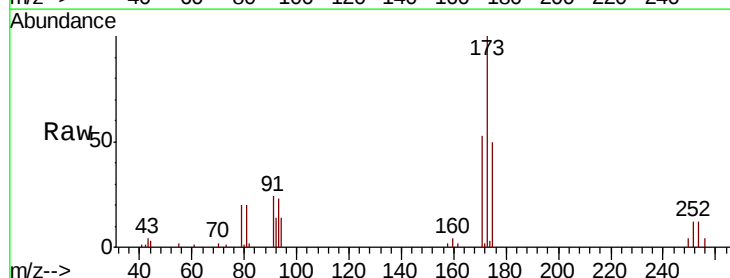


Abundance Ion 63.00 (62.70 to 63.70): VN063044.D (-2299) (-)
Ion 65.00 (64.70 to 65.70): VN063044.D (-2299) (-)
Ion 106.00 (105.70 to 106.70): VN063044.D (-2299) (-)

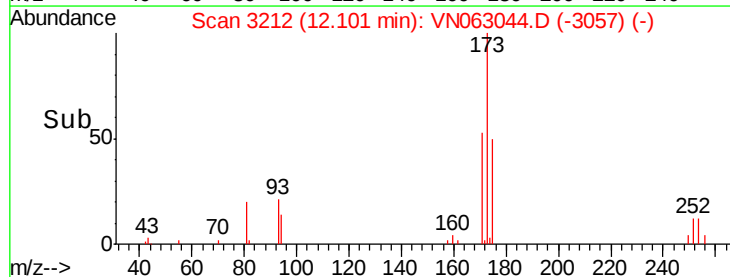
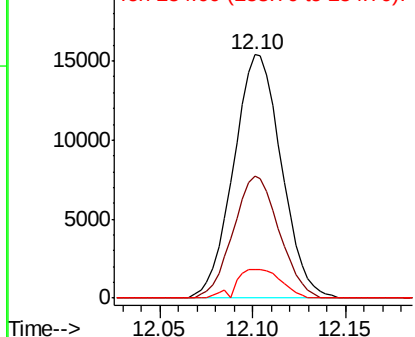


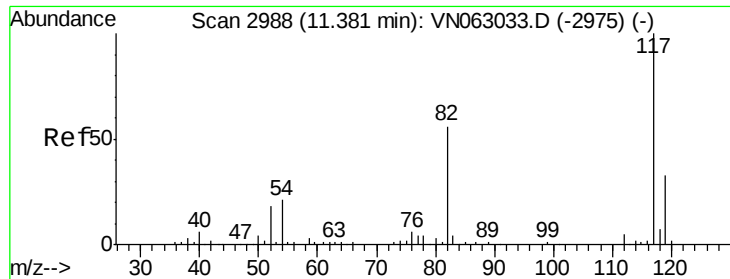
#56
Bromoform
Concen: 19.969 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN063044.D
Acq: 20 Aug 2020 18:25

Tgt Ion: 173 Resp: 27658
Ion Ratio Lower Upper
173 100
175 48.1 41.2 61.8
254 10.4 9.0 13.4



Abundance Ion 173.00 (172.70 to 173.70): VN063044.D (-3057) (-)
Ion 175.00 (174.70 to 175.70): VN063044.D (-3057) (-)
Ion 254.00 (253.70 to 254.70): VN063044.D (-3057) (-)

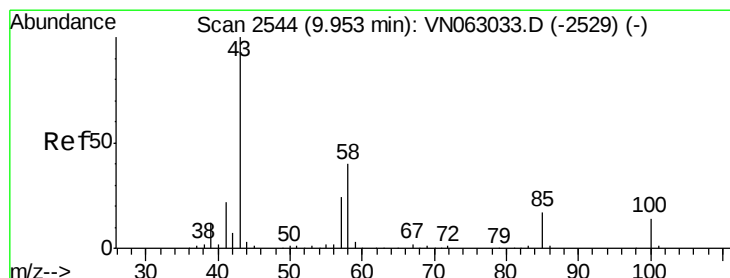
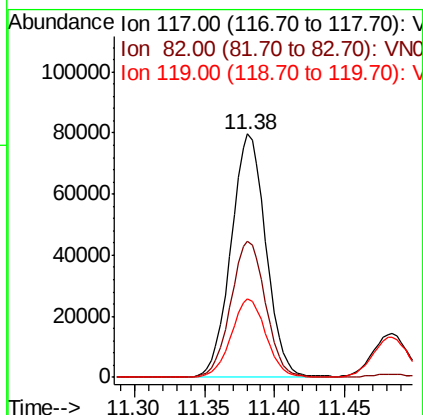
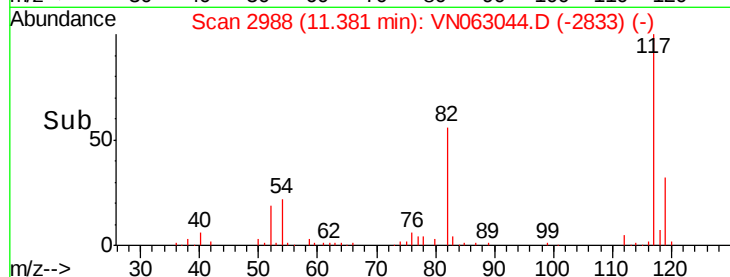
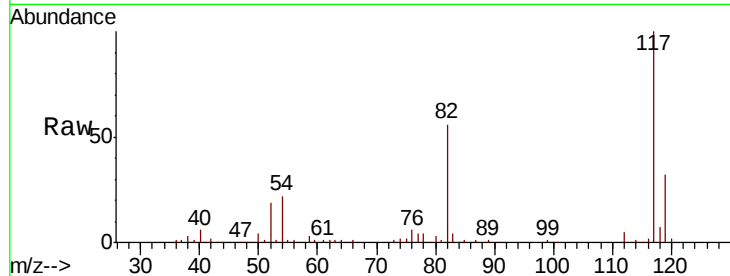




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN063044.D
Acq: 20 Aug 2020 18:25

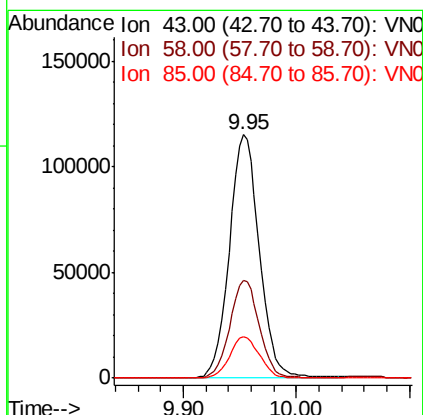
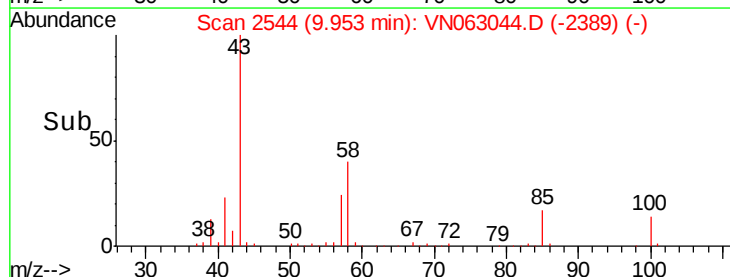
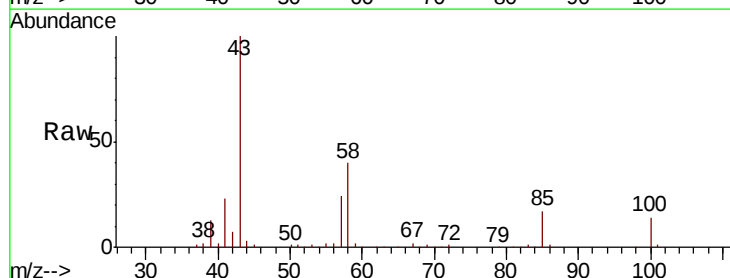
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

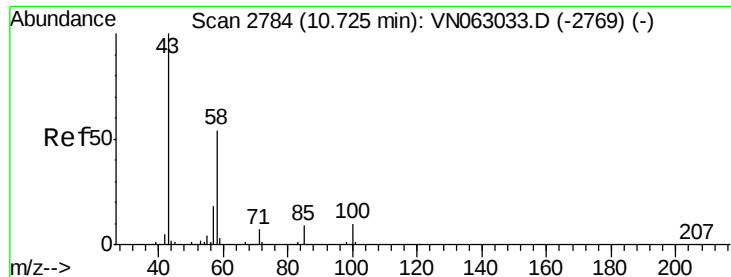
Tot Ion:117 Resp: 138331
Ion Ratio Lower Upper
117 100
82 55.9 44.9 67.3
119 32.0 26.0 39.0



#58
4-Methyl-2-Pentanone
Concen: 106.341 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN063044.D
Acq: 20 Aug 2020 18:25

Tgt Ion: 43 Resp: 211613
Ion Ratio Lower Upper
43 100
58 39.5 31.4 47.0
85 17.1 13.4 20.2

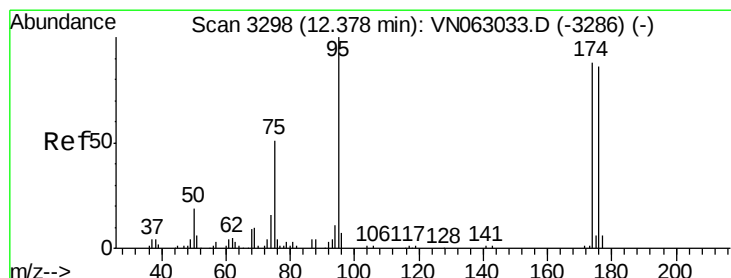
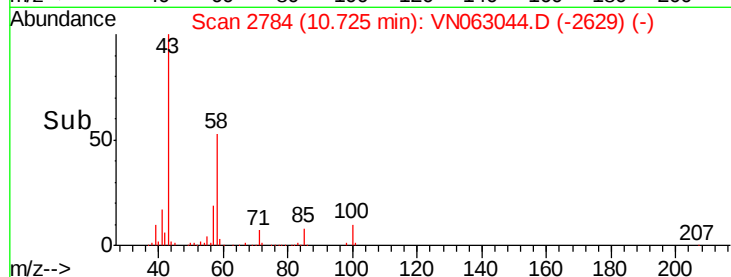
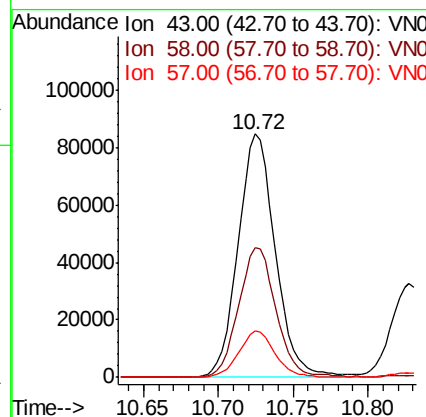
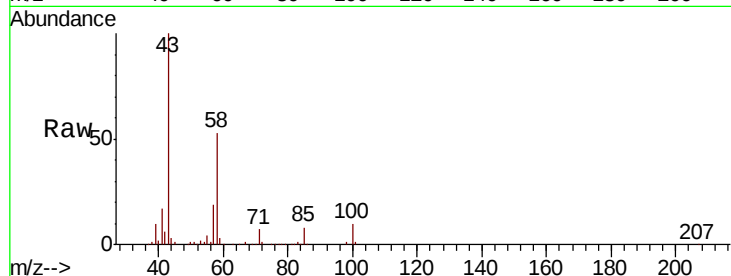




#59
2-Hexanone
Concen: 103.247 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN063044.D
Acq: 20 Aug 2020 18:25

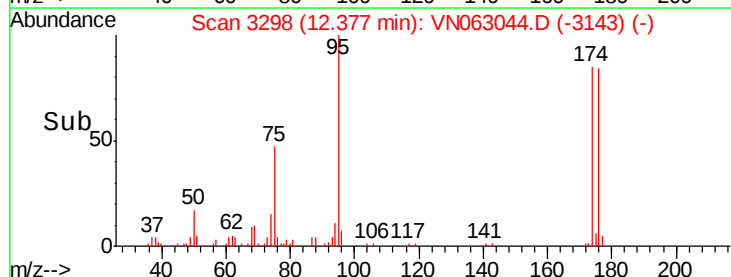
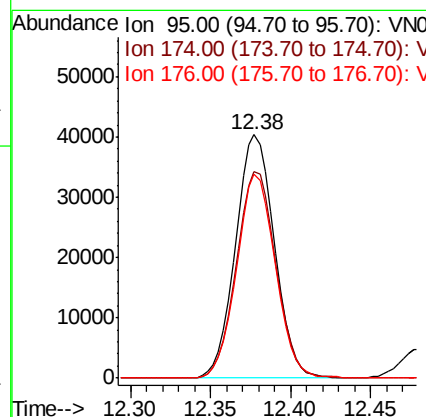
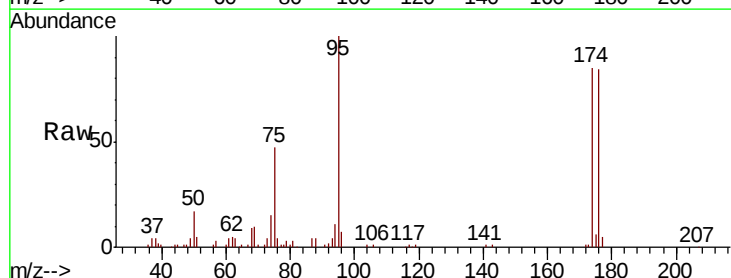
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

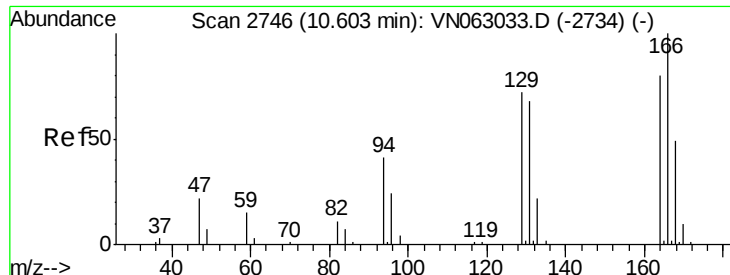
Tot Ion: 43 Resp: 146563
Ion Ratio Lower Upper
43 100
58 53.7 42.6 64.0
57 18.7 14.6 21.8



#60
4-Bromofluorobenzene
Concen: 30.452 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN063044.D
Acq: 20 Aug 2020 18:25

Tgt Ion: 95 Resp: 66564
Ion Ratio Lower Upper
95 100
174 86.4 70.1 105.1
176 83.8 66.8 100.2





#61

Tetrachloroethene

Concen: 19.663 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN063044.D

Acq: 20 Aug 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 29818

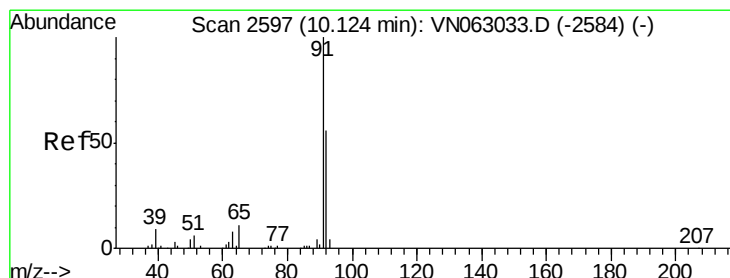
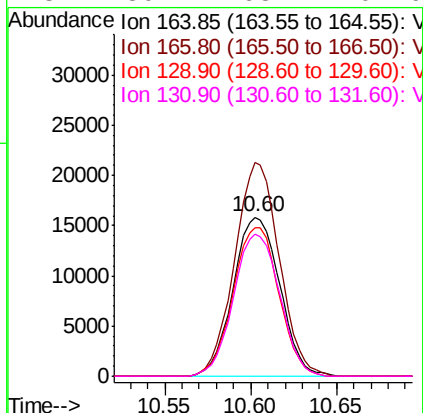
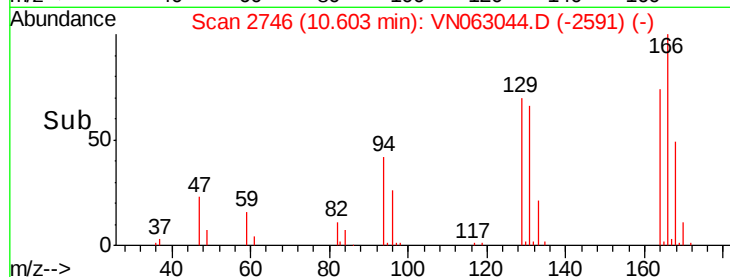
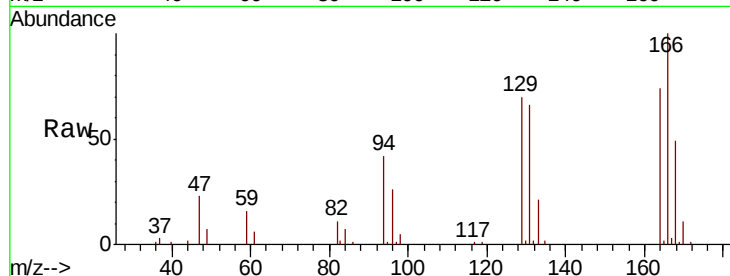
Ion Ratio Lower Upper

164 100

166 134.4 100.1 150.1

129 93.8 72.5 108.7

131 89.2 68.4 102.6



#62

Toluene

Concen: 19.398 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN063044.D

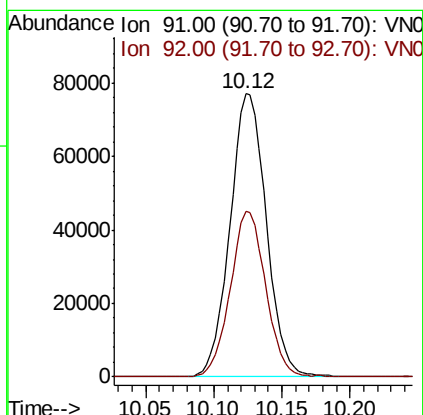
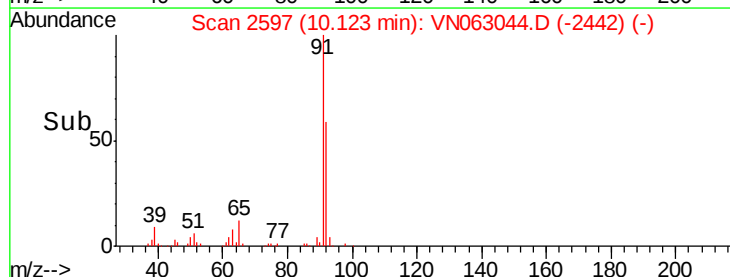
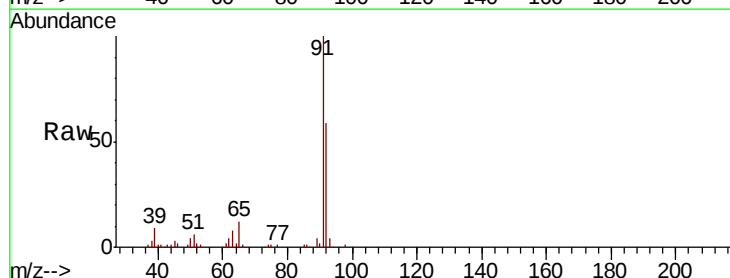
Acq: 20 Aug 2020 18:25

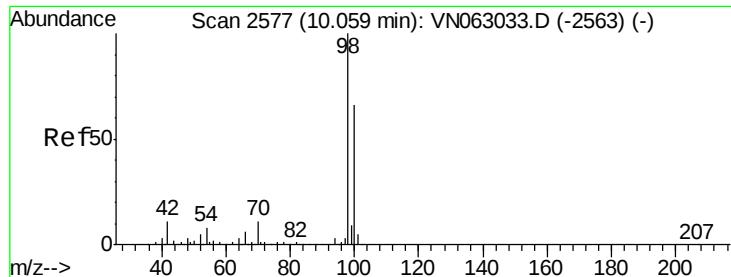
Tgt Ion: 91 Resp: 142215

Ion Ratio Lower Upper

91 100

92 57.1 45.5 68.3





#63

Toluene-d8

Concen: 30.345 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN063044.D

Acq: 20 Aug 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

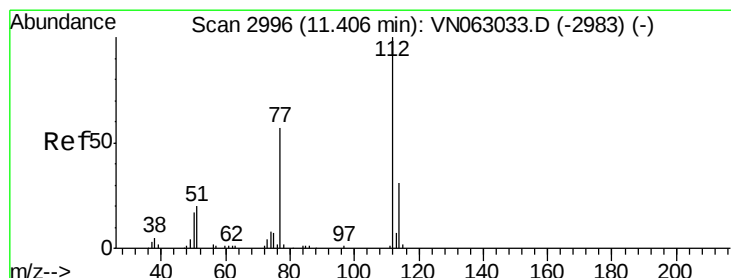
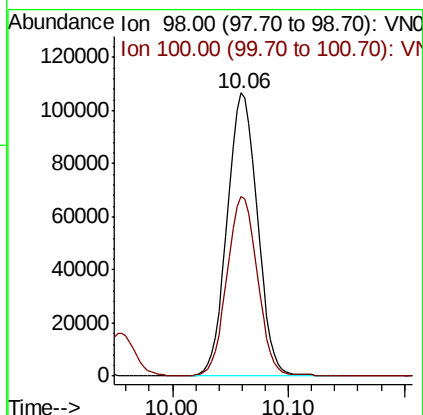
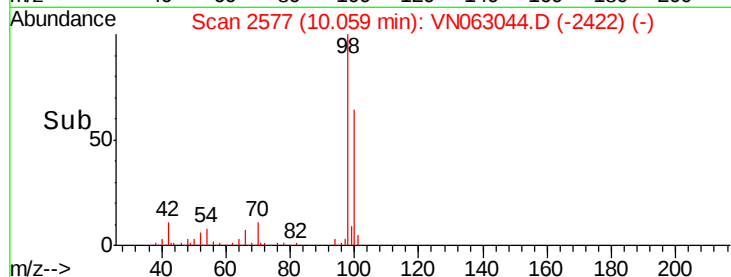
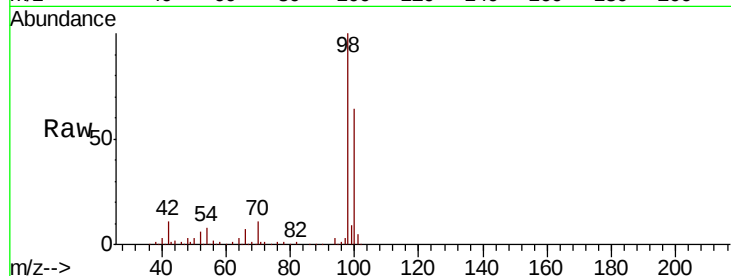
VSTDCCC020EC

Tot Ion: 98 Resp: 192643

Ion Ratio Lower Upper

98 100

100 63.2 51.4 77.2



#64

Chlorobenzene

Concen: 19.579 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN063044.D

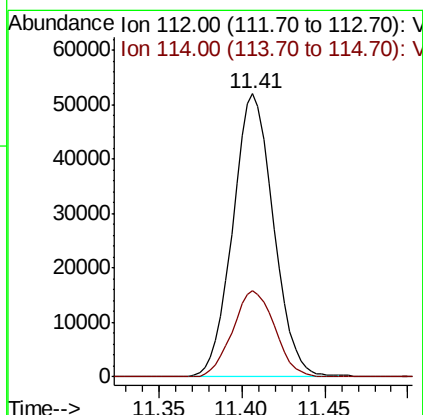
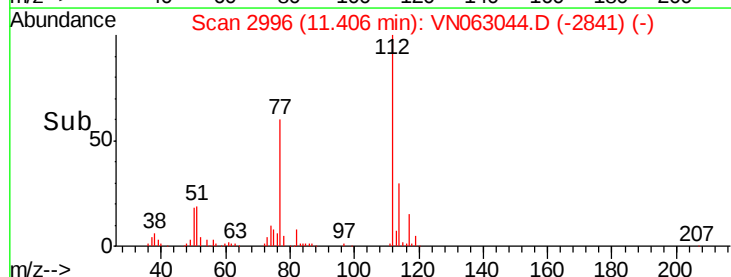
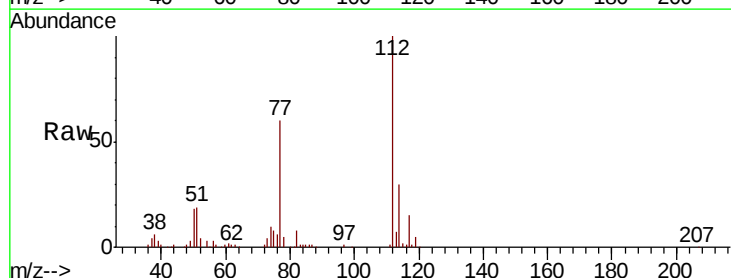
Acq: 20 Aug 2020 18:25

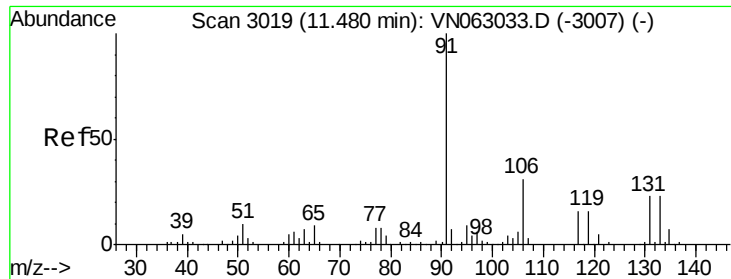
Tgt Ion: 112 Resp: 88816

Ion Ratio Lower Upper

112 100

114 30.4 25.1 37.7

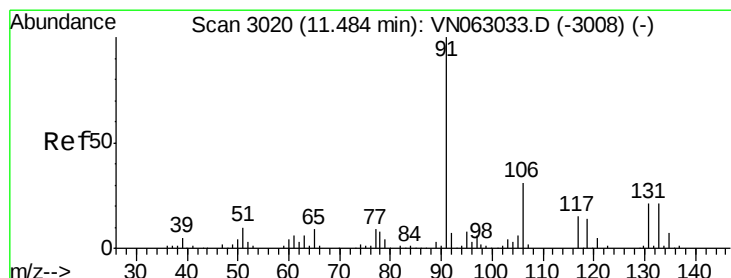
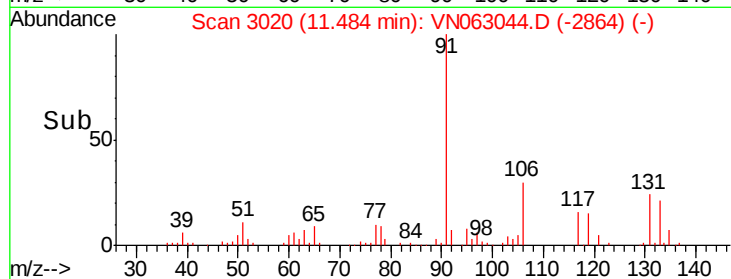
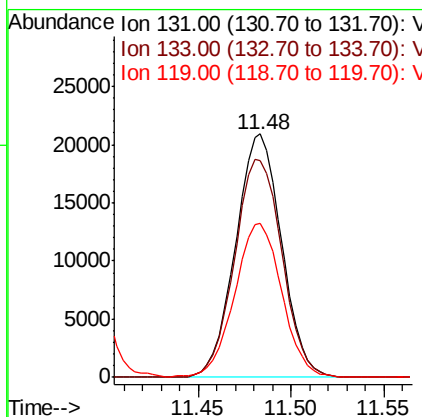
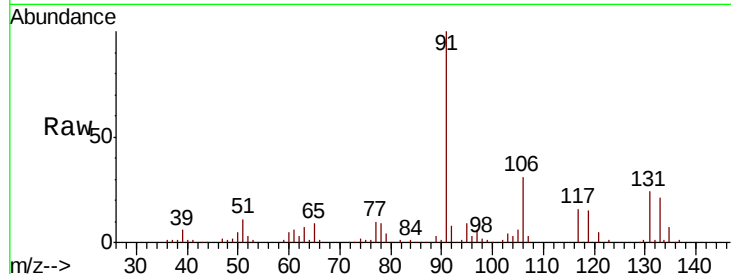




#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.062 ug/l
 RT: 11.48 min Scan# 3020
 Delta R.T. 0.00 min
 Lab File: VN063044.D
 Acq: 20 Aug 2020 18:25

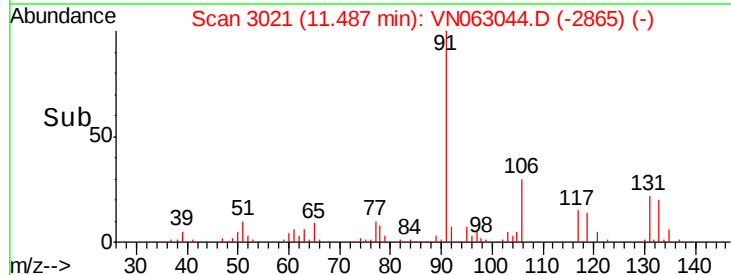
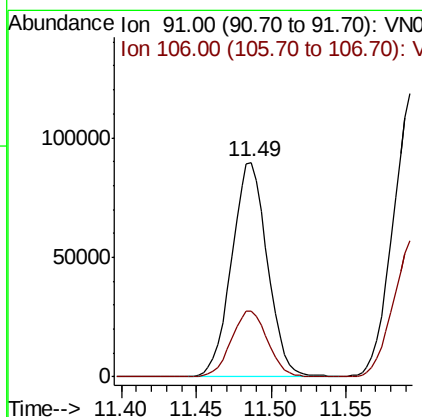
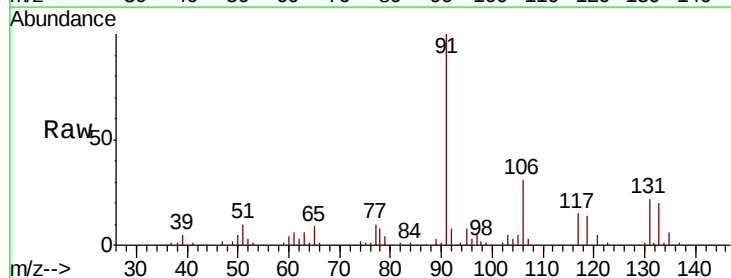
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

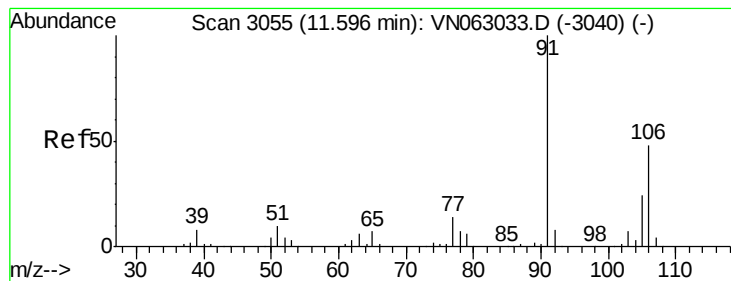
Tot Ion:131 Resp: 36072
 Ion Ratio Lower Upper
 131 100
 133 92.7 0.0 191.2
 119 65.0 0.0 134.2



#66
 Ethyl Benzene
 Concen: 18.623 ug/l
 RT: 11.49 min Scan# 3021
 Delta R.T. 0.00 min
 Lab File: VN063044.D
 Acq: 20 Aug 2020 18:25

Tgt Ion: 91 Resp: 148831
 Ion Ratio Lower Upper
 91 100
 106 30.8 25.0 37.4





#67

m/p-Xylenes

Concen: 38.672 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. -0.00 min

Lab File: VN063044.D

Acq: 20 Aug 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

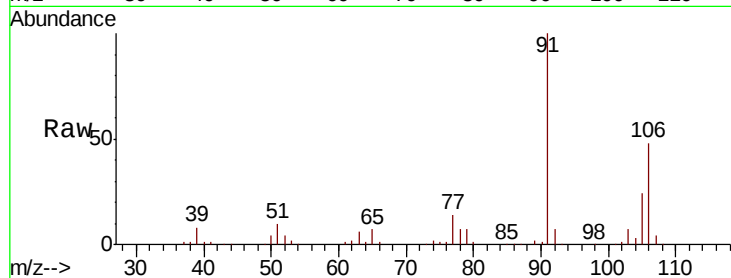
VSTDCCC020EC

Tot Ion:106 Resp: 115778

Ion Ratio Lower Upper

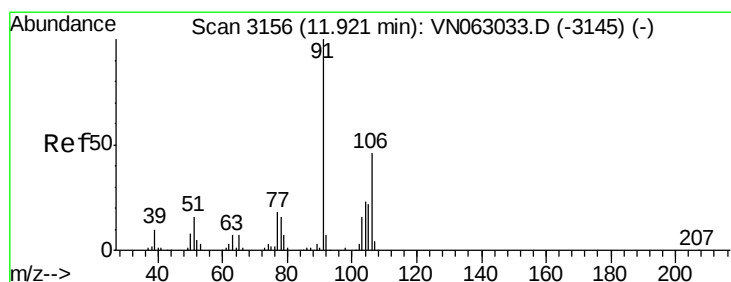
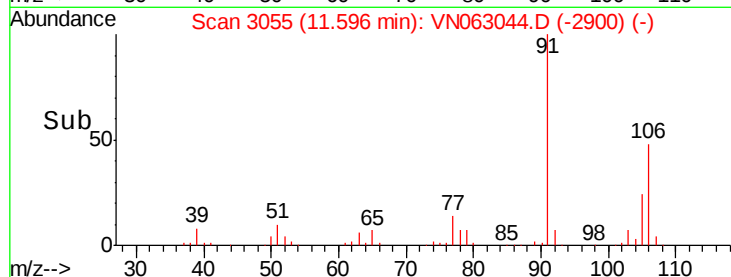
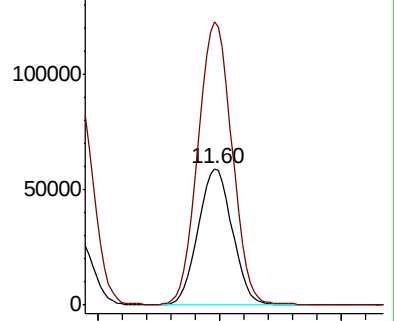
106 100

91 207.8 164.9 247.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 19.204 ug/l

RT: 11.92 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VN063044.D

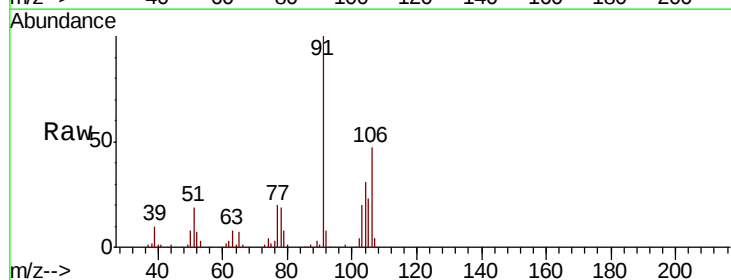
Acq: 20 Aug 2020 18:25

Tgt Ion:106 Resp: 55229

Ion Ratio Lower Upper

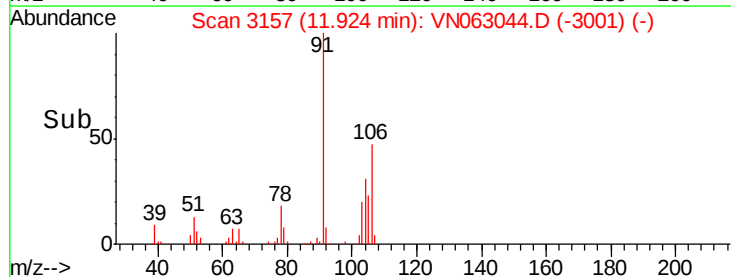
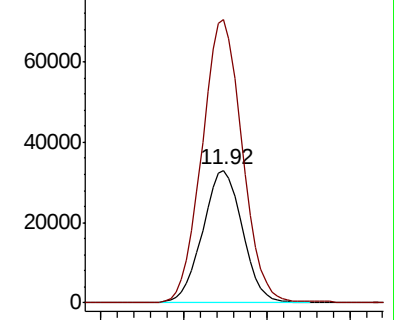
106 100

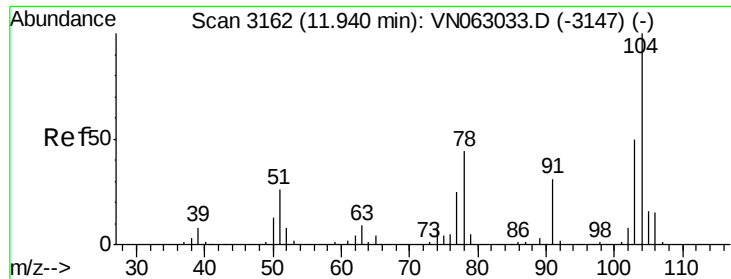
91 215.4 108.0 324.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

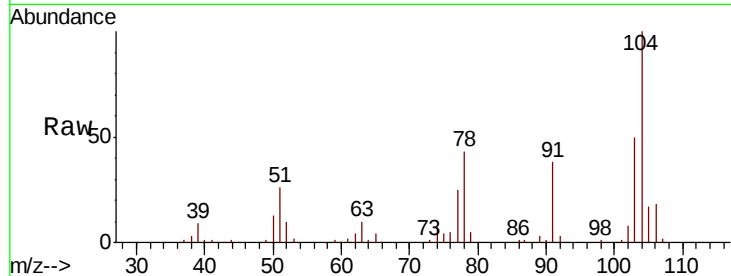




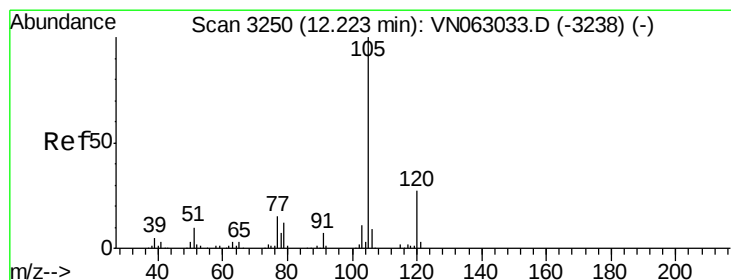
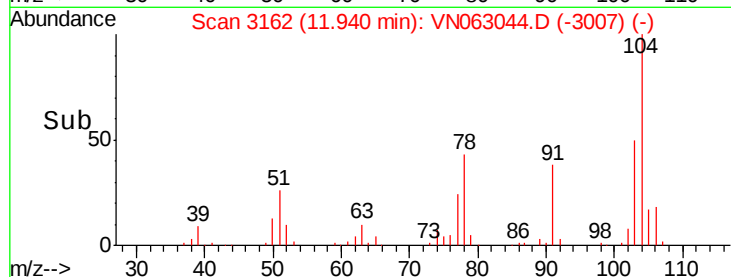
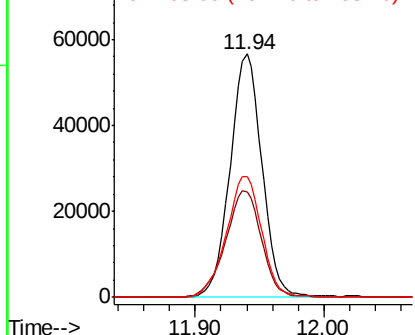
#69
Stvrene
Concen: 19.444 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN063044.D
Acq: 20 Aug 2020 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:104 Resp: 97683
Ion Ratio Lower Upper
104 100
78 48.9 39.6 59.4
103 54.8 44.4 66.6

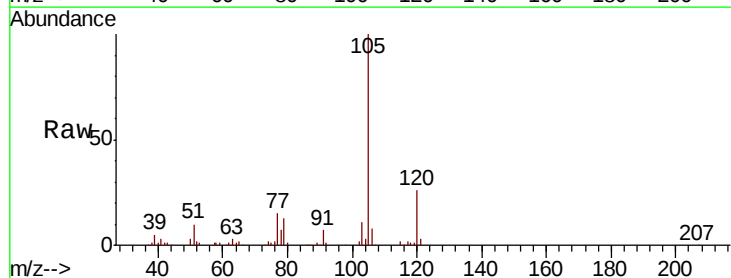


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

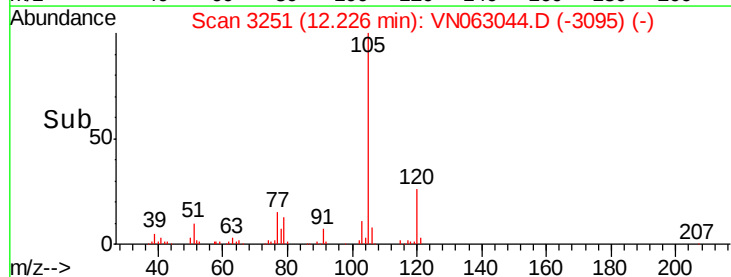
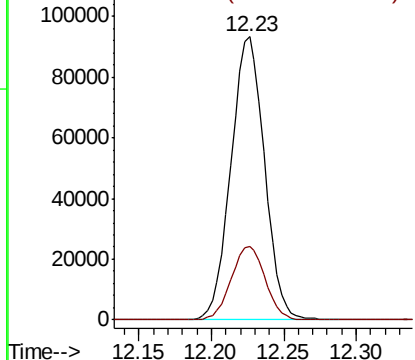


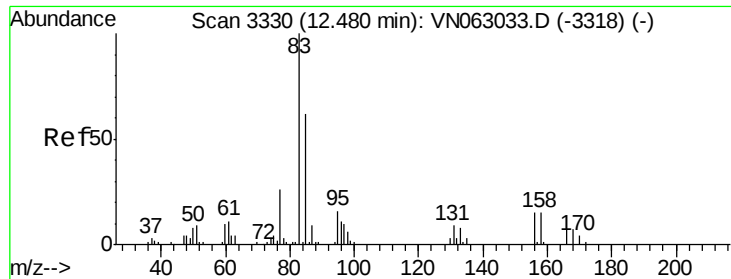
#70
Isopropylbenzene
Concen: 19.202 ug/l
RT: 12.23 min Scan# 3251
Delta R.T. 0.00 min
Lab File: VN063044.D
Acq: 20 Aug 2020 18:25

Tgt Ion:105 Resp: 150220
Ion Ratio Lower Upper
105 100
120 26.2 18.5 34.3



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

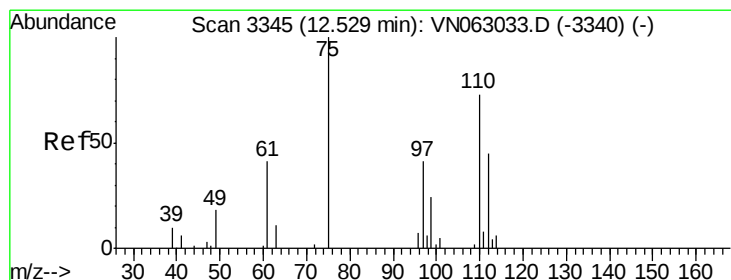
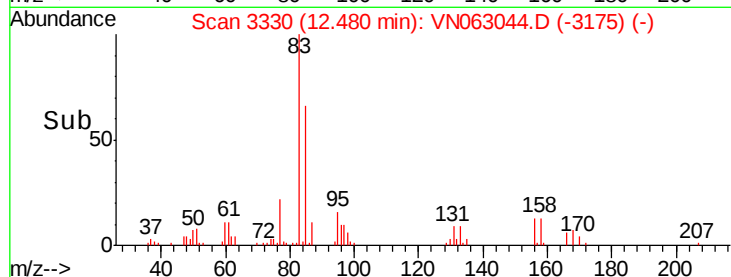
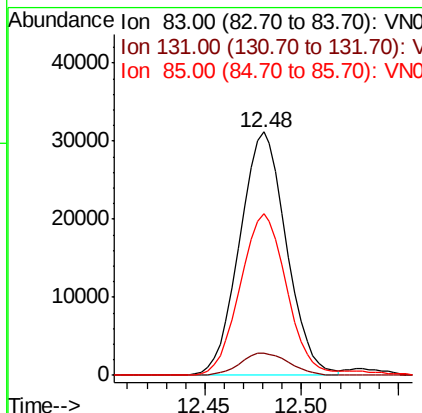
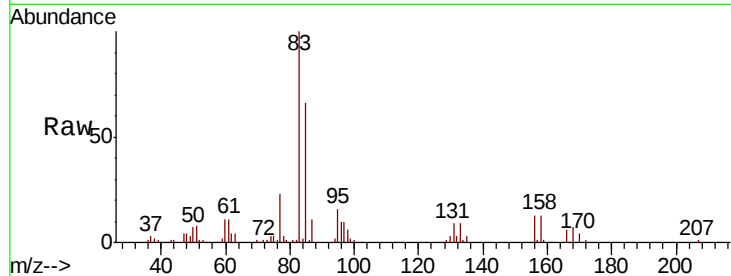




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.870 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VN063044.D
 Acq: 20 Aug 2020 18:25

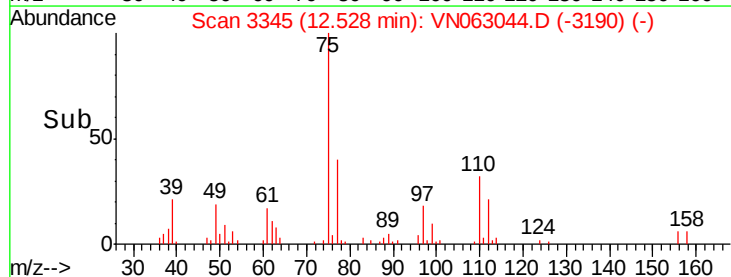
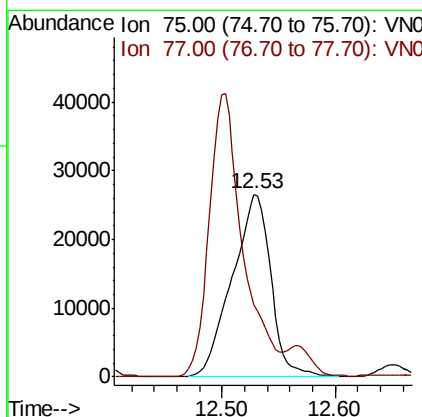
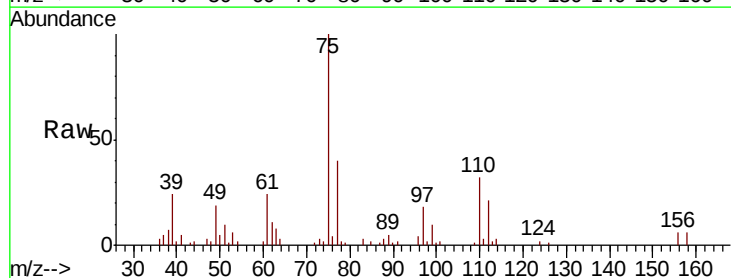
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

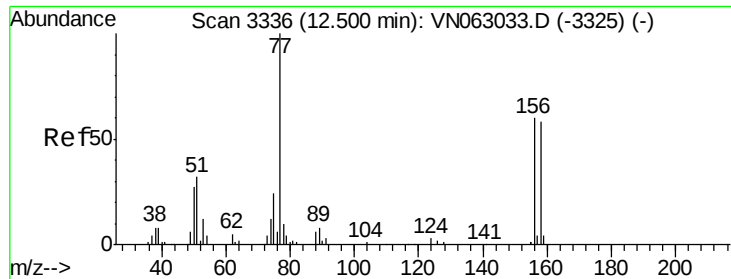
Tot Ion: 83 Resp: 52358
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.5 13.7
 85 66.3 31.8 95.3



#72
 1,2,3-Trichloropropane
 Concen: 28.459 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN063044.D
 Acq: 20 Aug 2020 18:25

Tgt Ion: 75 Resp: 63353
 Ion Ratio Lower Upper
 75 100
 77 133.9 0.0 387.8





#73

Bromobenzene

Concen: 19.651 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN063044.D

Acq: 20 Aug 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

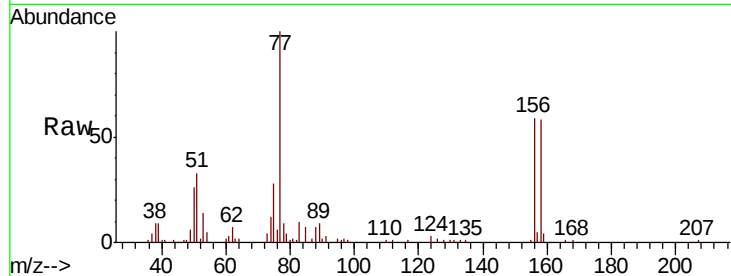
Tot Ion:156 Resp: 41458

Ion Ratio Lower Upper

156 100

77 204.7 0.0 398.6

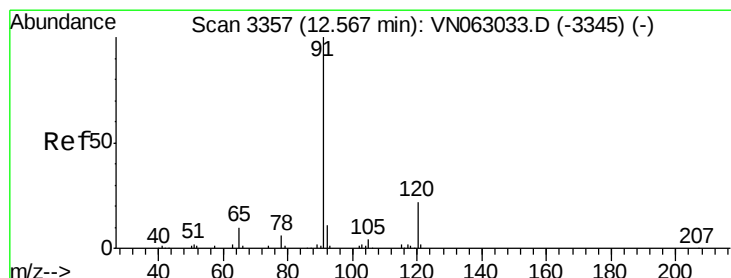
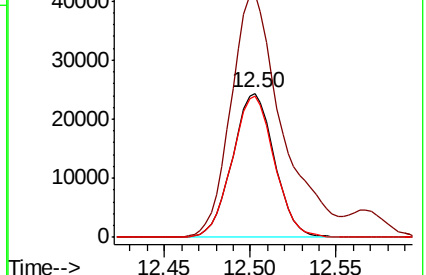
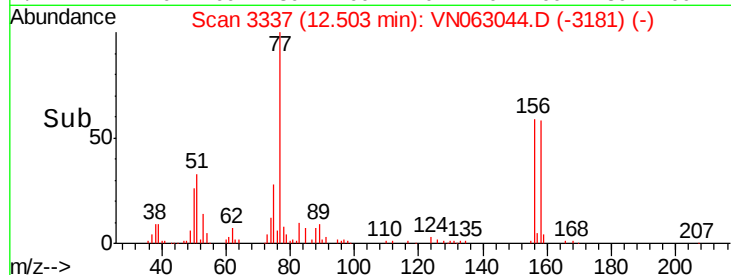
158 98.3 0.0 195.4



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: 18.976 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN063044.D

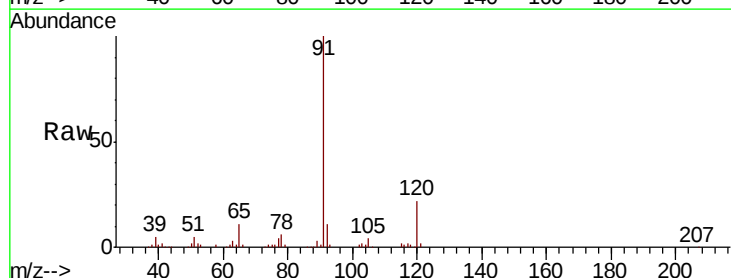
Acq: 20 Aug 2020 18:25

Tgt Ion: 91 Resp: 178081

Ion Ratio Lower Upper

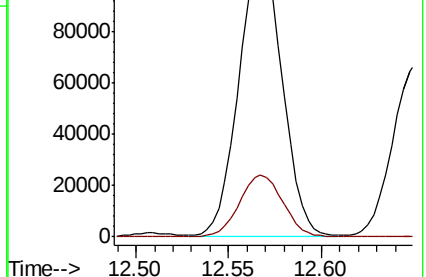
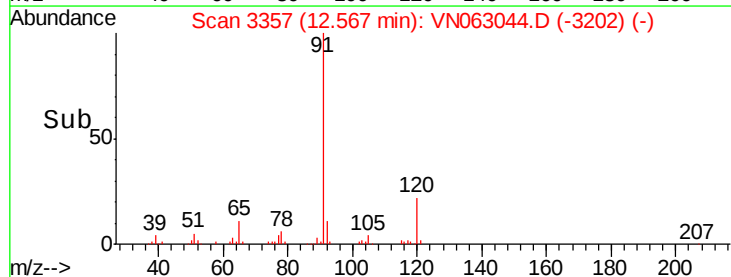
91 100

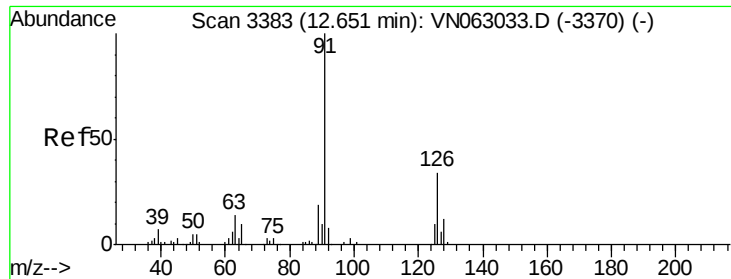
120 21.9 0.0 44.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.696 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VN063044.D

Acq: 20 Aug 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

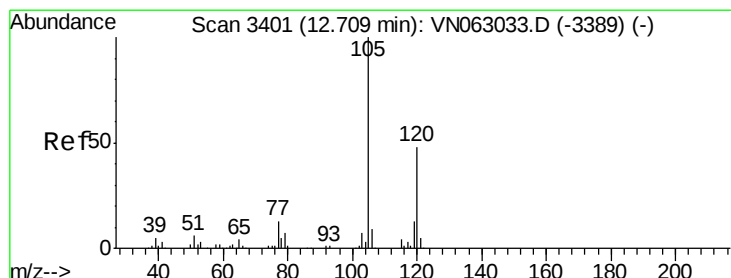
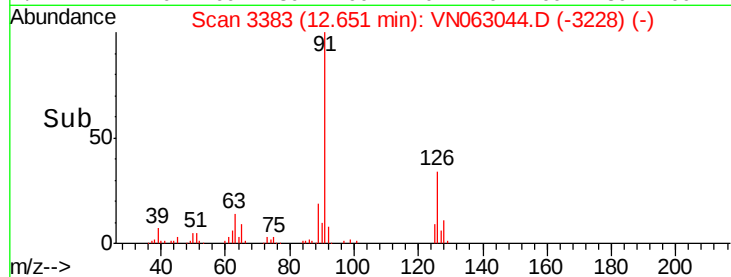
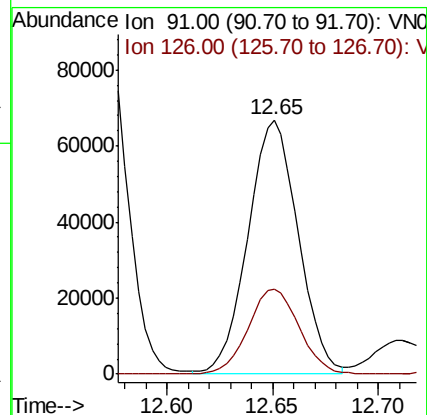
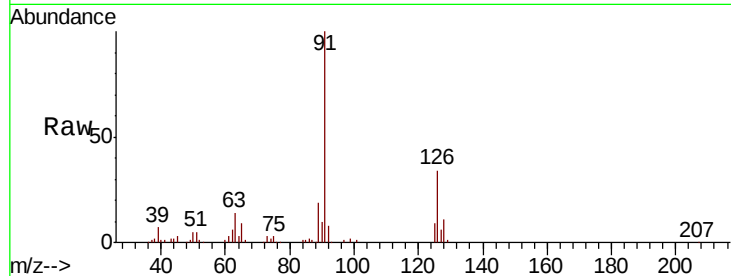
VSTDCCC020EC

Tot Ion: 91 Resp: 110162

Ion Ratio Lower Upper

91 100

126 34.1 0.0 68.0



#76

1,3,5-Trimethylbenzene

Concen: 19.265 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN063044.D

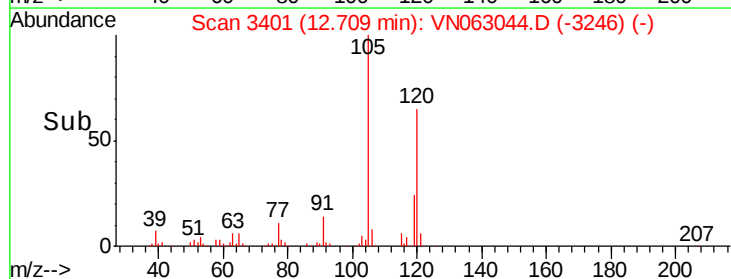
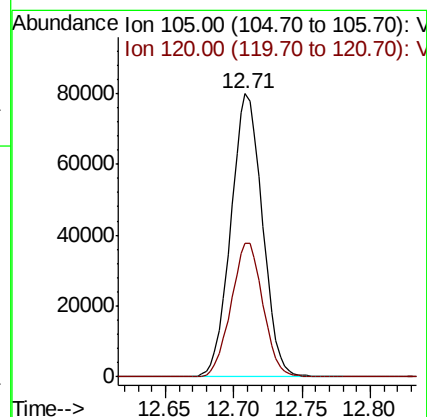
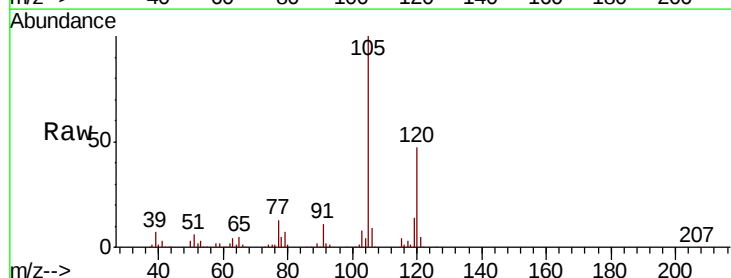
Acq: 20 Aug 2020 18:25

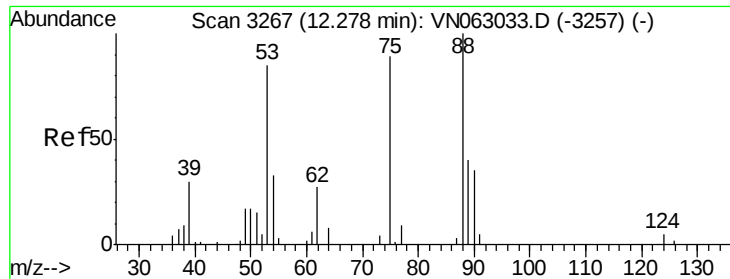
Tgt Ion: 105 Resp: 128623

Ion Ratio Lower Upper

105 100

120 47.5 0.0 95.0





#77

t-1,4-Dichloro-2-butene

Concen: 19.679 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. -0.00 min

Lab File: VN063044.D

Acq: 20 Aug 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

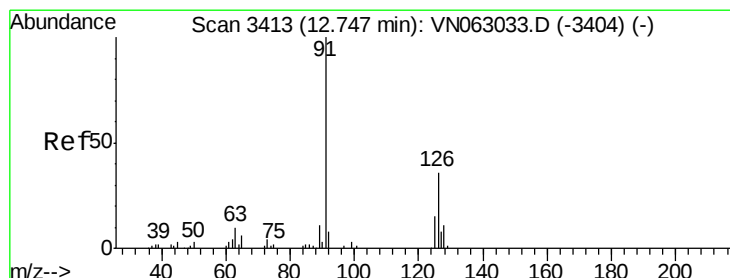
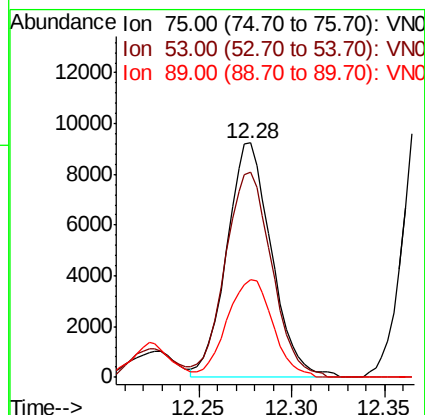
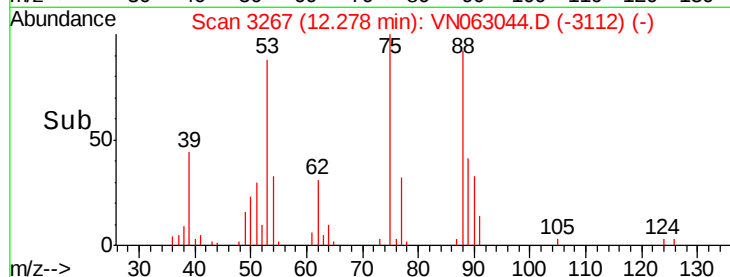
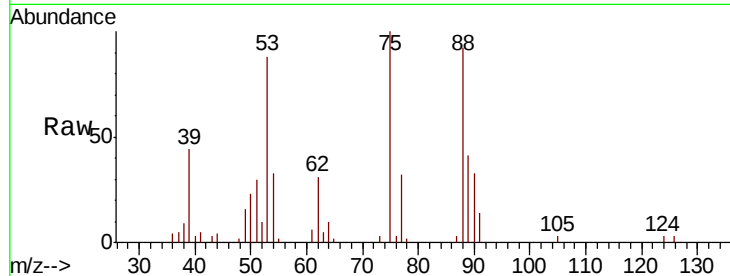
Tot Ion: 75 Resp: 15483

Ion Ratio Lower Upper

75 100

53 87.7 47.0 141.0

89 41.5 22.9 68.7



#78

4-Chlorotoluene

Concen: 19.296 ug/l

RT: 12.75 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN063044.D

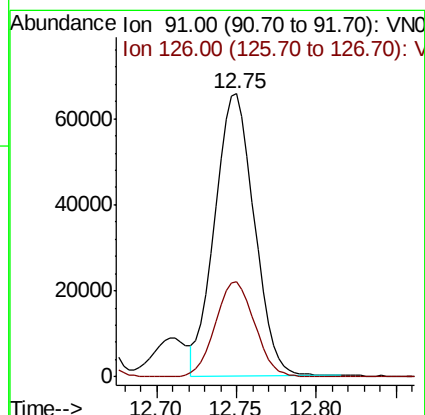
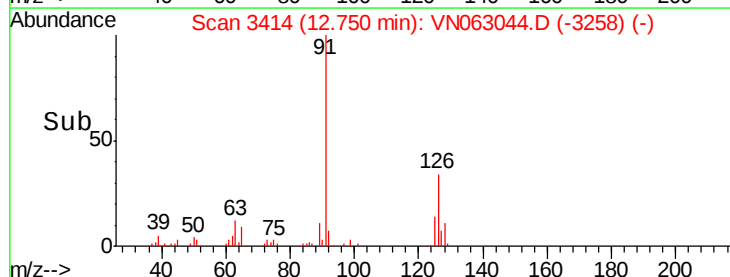
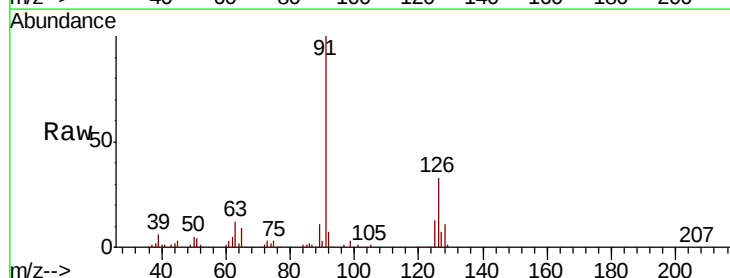
Acq: 20 Aug 2020 18:25

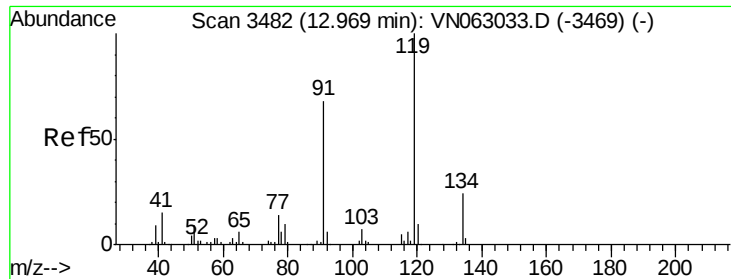
Tgt Ion: 91 Resp: 111273

Ion Ratio Lower Upper

91 100

126 33.7 0.0 65.0

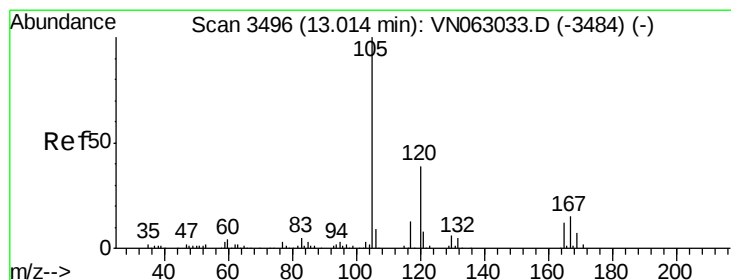
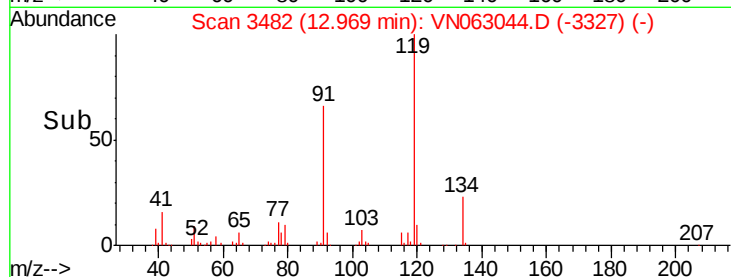
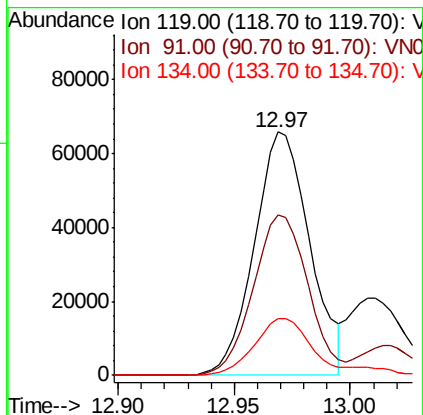
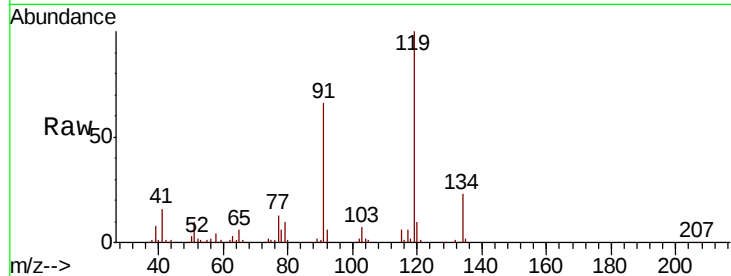




#79
tert-butylbenzene
Concen: 19.443 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN063044.D
Acq: 20 Aug 2020 18:25

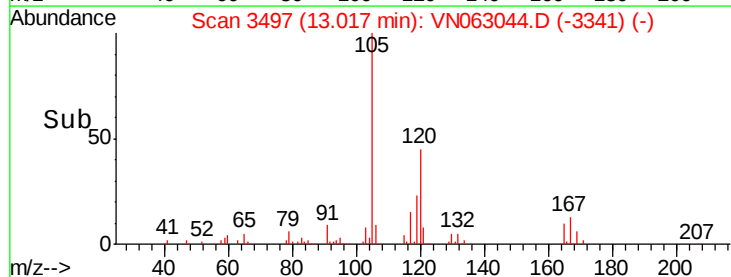
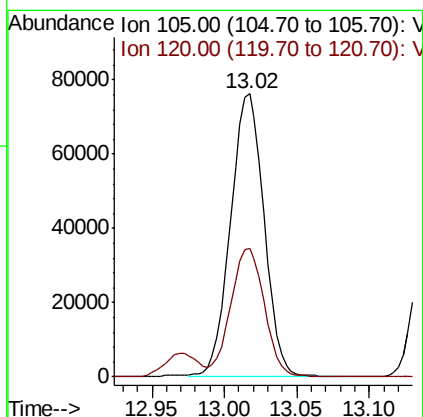
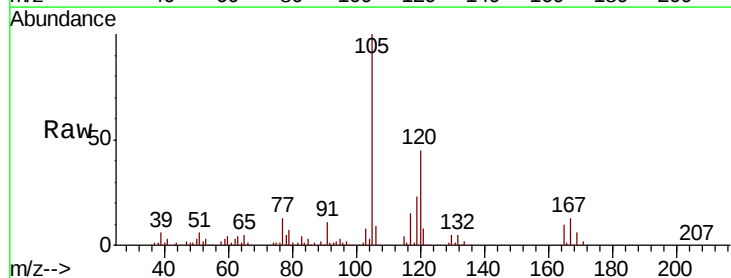
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

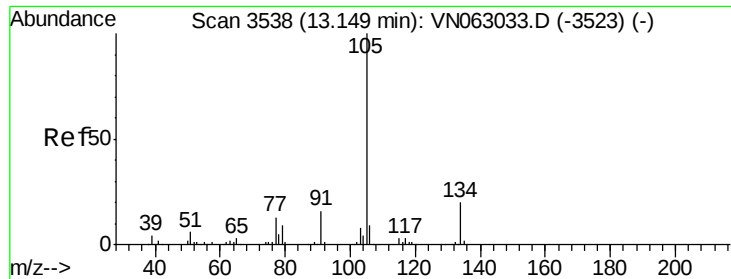
Tot Ion:119 Resp: 109221
Ion Ratio Lower Upper
119 100
91 65.5 0.0 136.8
134 25.9 0.0 48.8



#80
1,2,4-Trimethylbenzene
Concen: 18.805 ug/l
RT: 13.02 min Scan# 3497
Delta R.T. 0.00 min
Lab File: VN063044.D
Acq: 20 Aug 2020 18:25

Tgt Ion:105 Resp: 122214
Ion Ratio Lower Upper
105 100
120 45.7 0.0 90.4

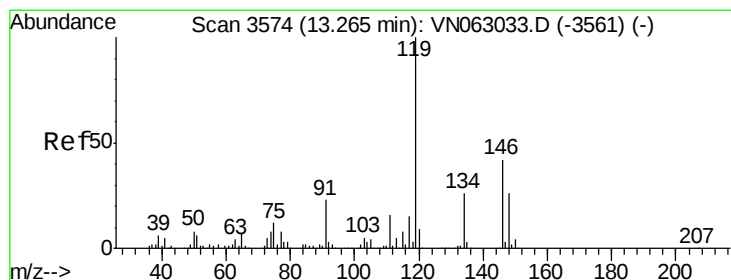
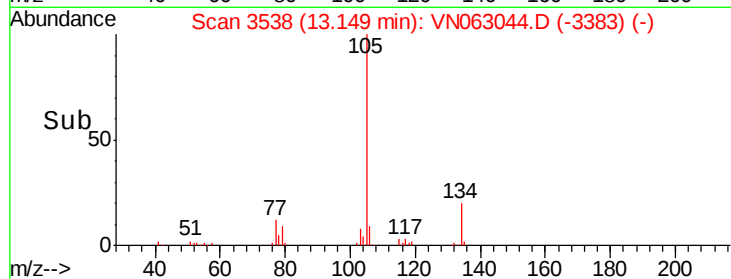
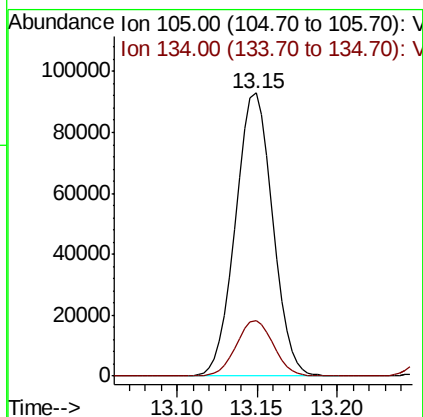
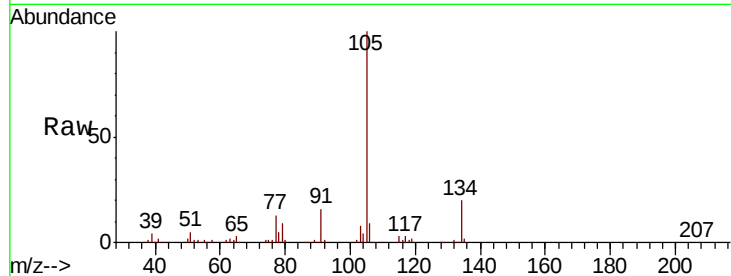




#81
 sec-Butylbenzene
 Concen: 18.990 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. -0.00 min
 Lab File: VN063044.D
 Acq: 20 Aug 2020 18:25

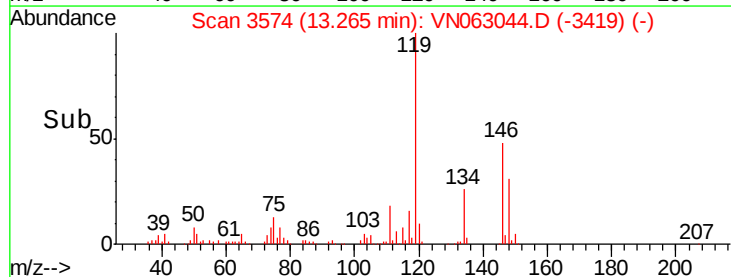
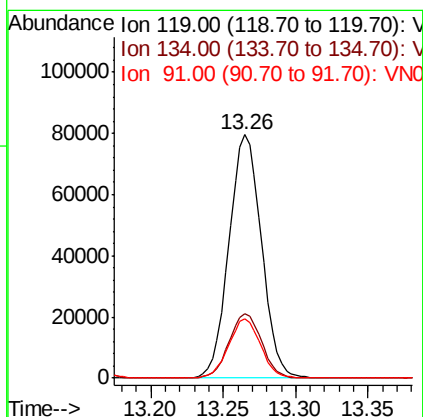
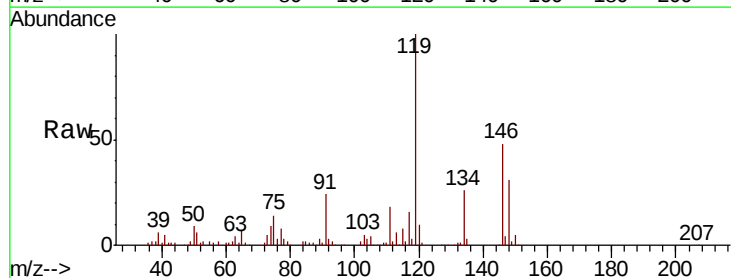
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

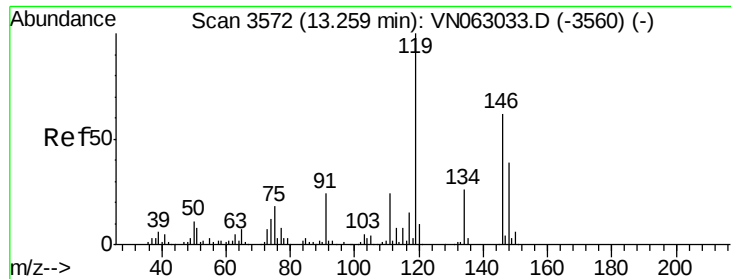
Tot Ion:105 Resp: 146954
 Ion Ratio Lower Upper
 105 100
 134 19.6 0.0 39.4



#82
 p-Isopropyltoluene
 Concen: 18.062 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN063044.D
 Acq: 20 Aug 2020 18:25

Tgt Ion:119 Resp: 123912
 Ion Ratio Lower Upper
 119 100
 134 26.4 0.0 52.2
 91 23.9 0.0 46.2

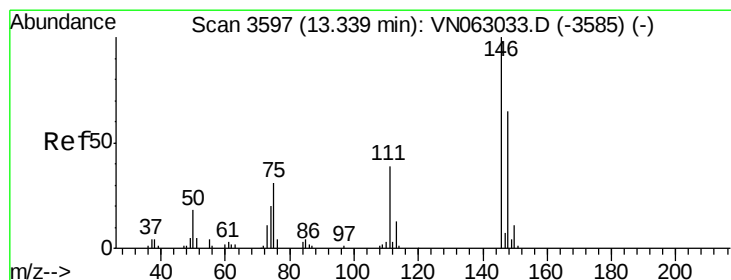
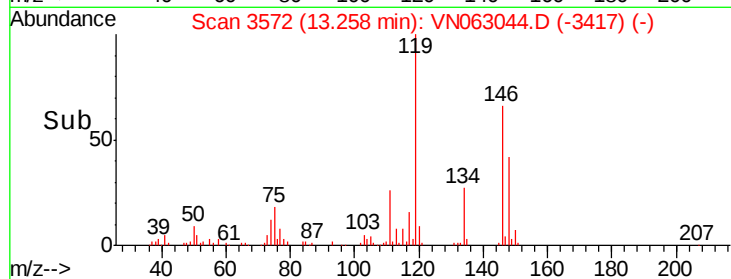
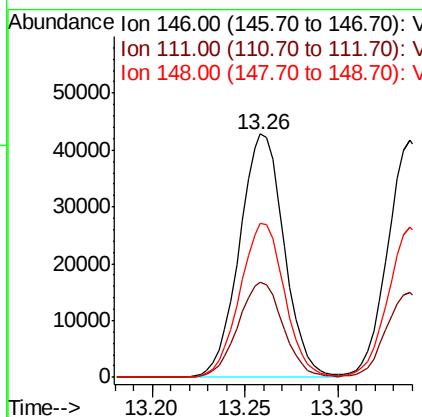
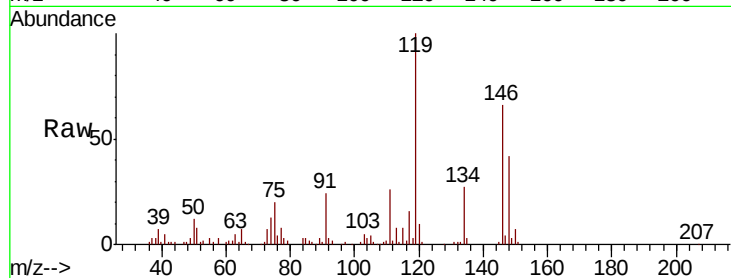




#83
 1,3-Dichlorobenzene
 Concen: 19.540 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN063044.D
 Acq: 20 Aug 2020 18:25

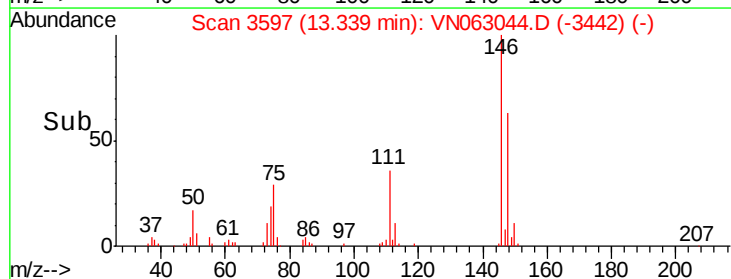
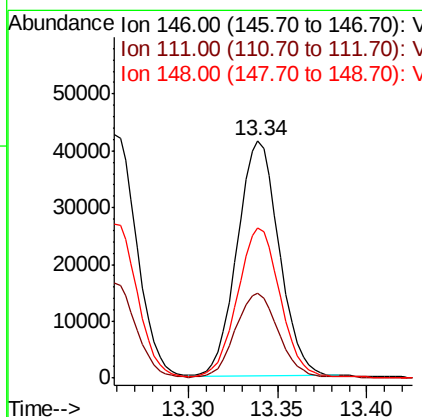
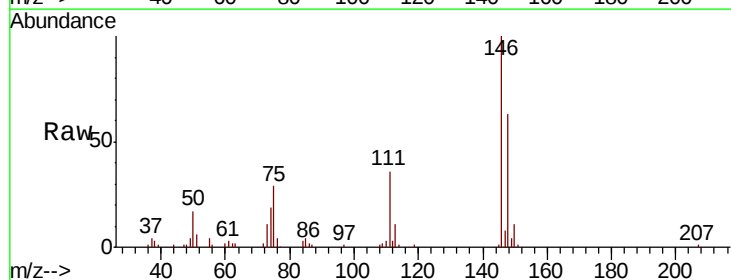
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

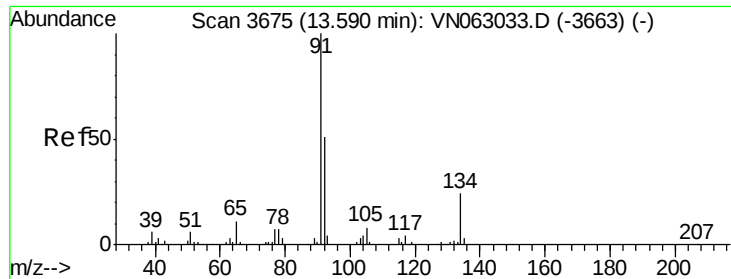
Tot Ion:146 Resp: 71977
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.4 58.1
 148 63.3 31.5 94.5



#84
 1,4-Dichlorobenzene
 Concen: 18.956 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN063044.D
 Acq: 20 Aug 2020 18:25

Tgt Ion:146 Resp: 68245
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.6 55.8
 148 64.2 31.6 94.8





#85

n-Butylbenzene

Concen: 16.772 ug/l

RT: 13.59 min Scan# 3676

Delta R.T. 0.00 min

Lab File: VN063044.D

Acq: 20 Aug 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

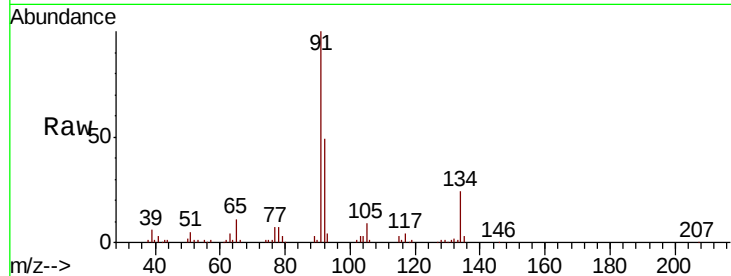
Tot Ion: 91 Resp: 95616

Ion Ratio Lower Upper

91 100

92 49.0 0.0 100.6

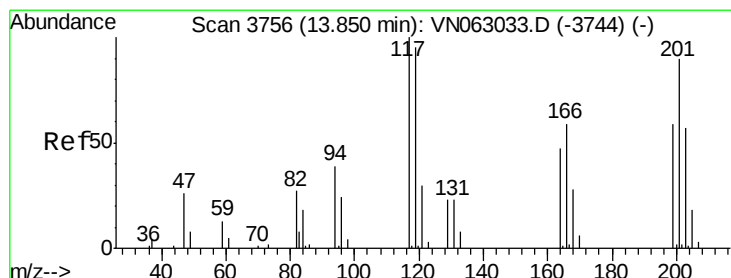
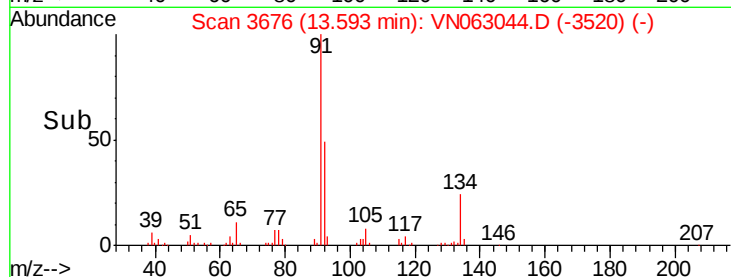
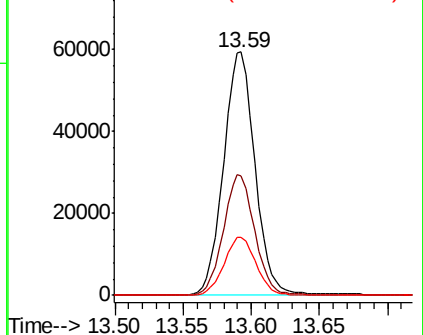
134 24.0 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VN063033.D (-3663) (-)

Ion 92.00 (91.70 to 92.70): VN063033.D (-3663) (-)

Ion 134.00 (133.70 to 134.70): VN063033.D (-3663) (-)



#86

Hexachloroethane

Concen: 19.278 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. -0.00 min

Lab File: VN063044.D

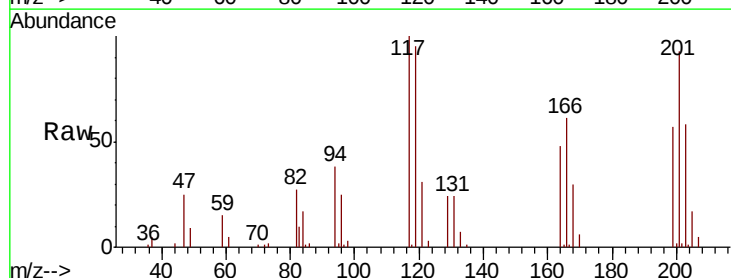
Acq: 20 Aug 2020 18:25

Tgt Ion: 117 Resp: 26048

Ion Ratio Lower Upper

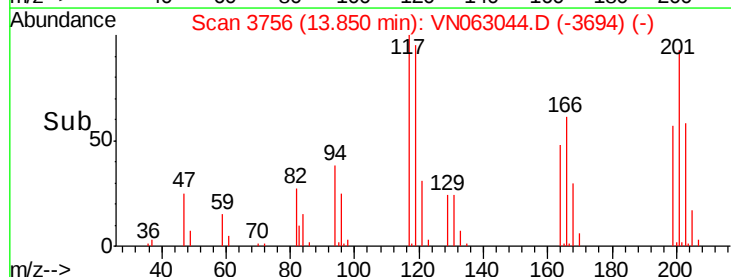
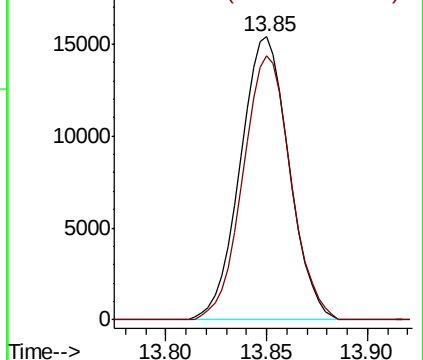
117 100

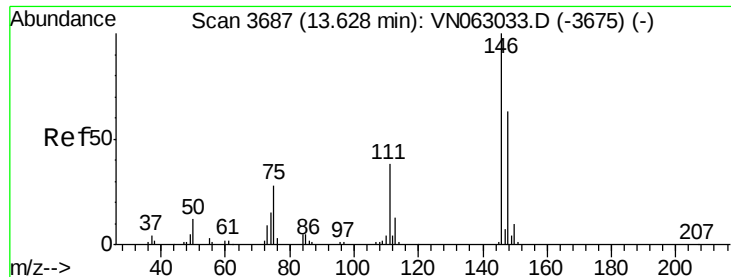
201 91.4 46.1 138.3



Abundance Ion 117.00 (116.70 to 117.70): VN063033.D (-3744) (-)

Ion 201.00 (200.70 to 201.70): VN063033.D (-3744) (-)





#87

1,2-Dichlorobenzene

Concen: 20.249 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN063044.D

Acq: 20 Aug 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

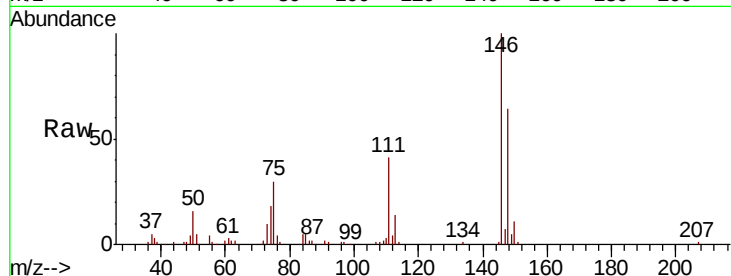
Tot Ion:146 Resp: 71437

Ion Ratio Lower Upper

146 100

111 39.9 19.1 57.3

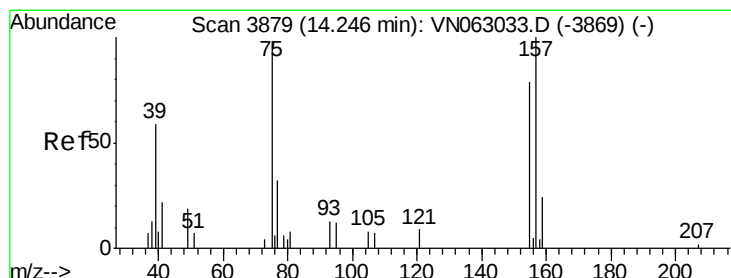
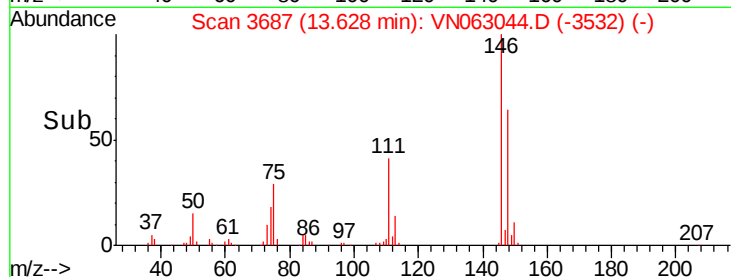
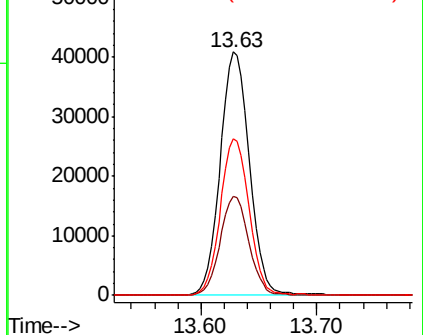
148 62.9 31.8 95.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 20.332 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.00 min

Lab File: VN063044.D

Acq: 20 Aug 2020 18:25

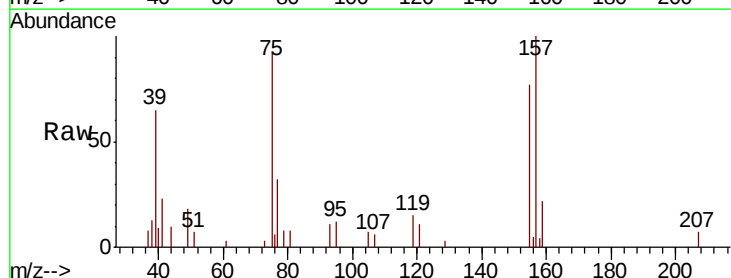
Tgt Ion: 75 Resp: 8091

Ion Ratio Lower Upper

75 100

155 80.7 64.8 97.2

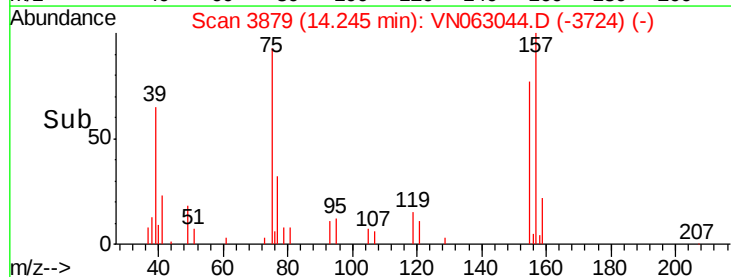
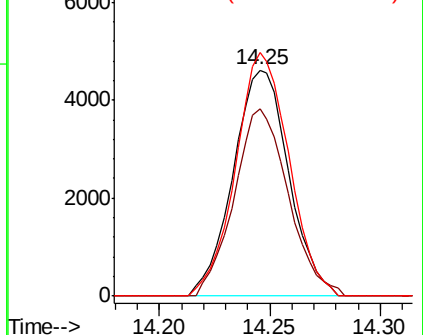
157 103.4 81.2 121.8

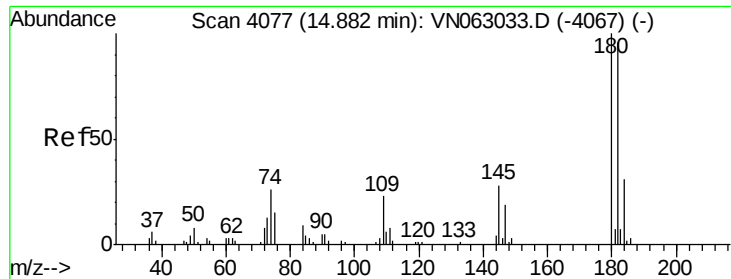


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

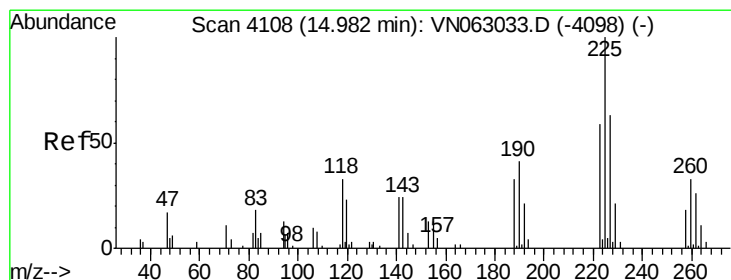
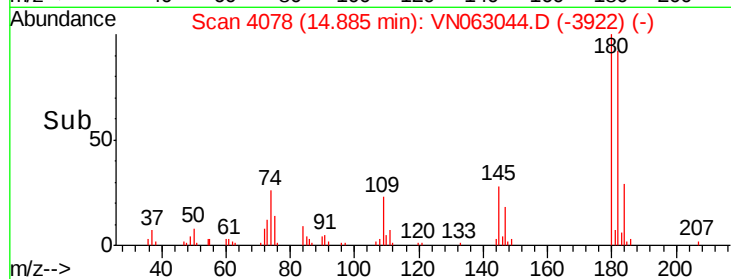
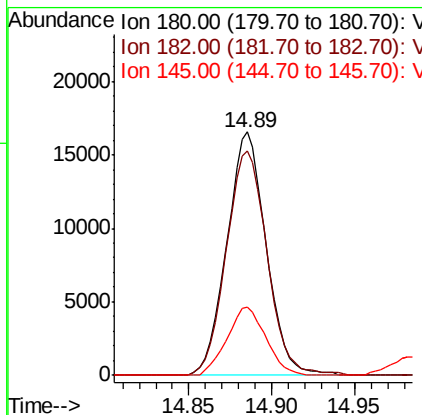
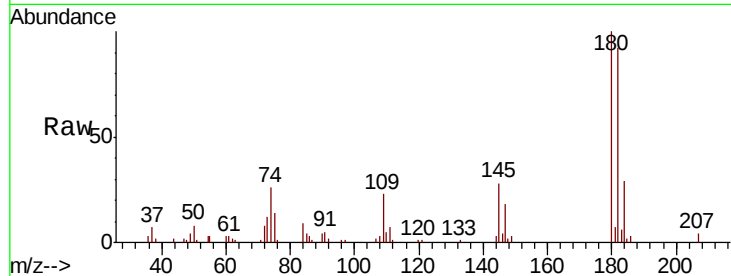




#89
 1,2,4-Trichlorobenzene
 Concen: 15.659 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN063044.D
 Acq: 20 Aug 2020 18:25

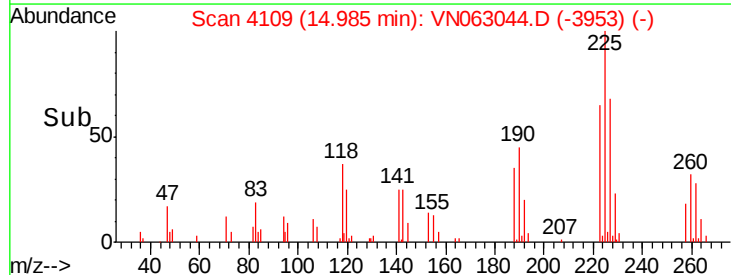
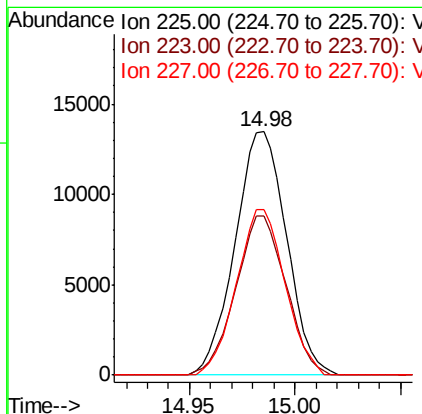
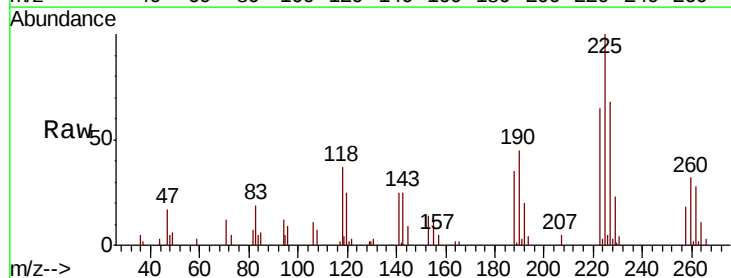
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

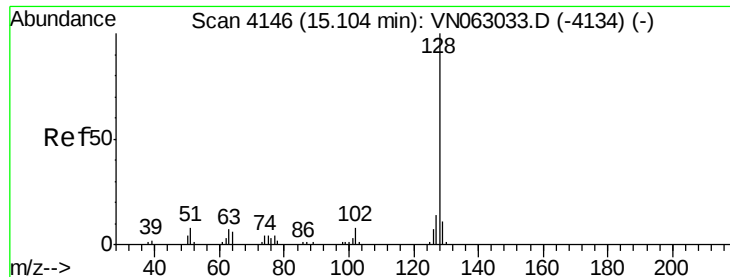
Tot Ion:180 Resp: 27262
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.9 115.3
 145 27.6 21.9 32.9



#90
 Hexachlorobutadiene
 Concen: 17.725 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN063044.D
 Acq: 20 Aug 2020 18:25

Tgt Ion:225 Resp: 22841
 Ion Ratio Lower Upper
 225 100
 223 63.6 0.0 122.8
 227 64.3 0.0 125.6

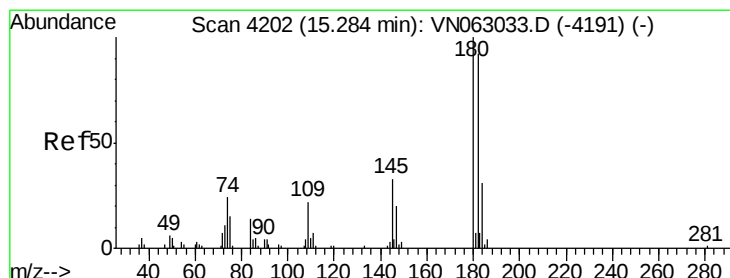
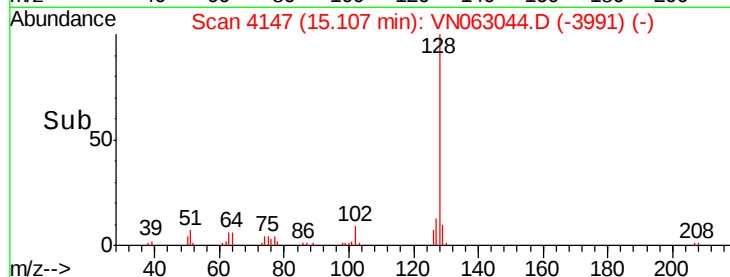
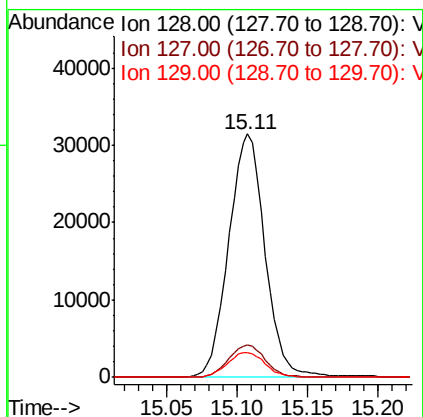
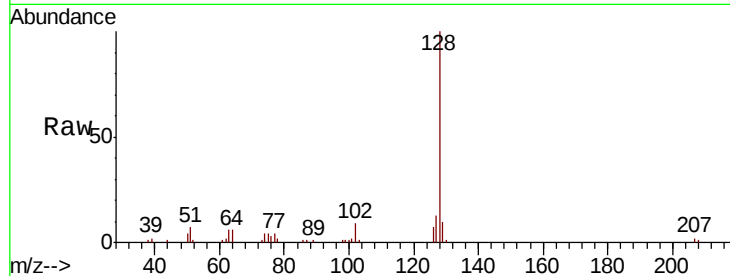




#91
Naphthalene
Concen: 14.731 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN063044.D
Acq: 20 Aug 2020 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:128 Resp: 56670
Ion Ratio Lower Upper
128 100
127 13.4 11.1 16.7
129 10.5 8.4 12.6



#92
1,2,3-Trichlorobenzene
Concen: 15.256 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN063044.D
Acq: 20 Aug 2020 18:25

Tgt Ion:180 Resp: 26517
Ion Ratio Lower Upper
180 100
182 95.5 0.0 188.0
145 30.0 0.0 62.0

