

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100920\
 Data File : VN064048.D
 Acq On : 9 Oct 2020 19:13
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Oct 10 01:31:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 16:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	51189	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	254803	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	241765	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	135979	29.58	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.60%
60) 4-Bromofluorobenzene	12.38	95	122363	29.60	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.67%
63) Toluene-d8	10.06	98	341675	31.18	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	59106	17.060 ug/l	93
3) Chloromethane	2.04	50	66999	18.687 ug/l	94
4) Vinyl Chloride	2.16	62	61922	17.361 ug/l	96
5) Bromomethane	2.53	94	33976	14.800 ug/l	100
6) Chloroethane	2.68	64	38118	17.035 ug/l	100
7) Trichlorofluoromethane	2.98	101	91938	16.329 ug/l	97
8) Diethyl Ether	3.37	74	29817	16.355 ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.72	101	47839	16.351 ug/l	92
10) 1,1-Dichloroethene	3.70	96	45226	16.465 ug/l	95
11) Methyl Iodide	3.92	142	57608	16.437 ug/l	91
12) Methyl Acetate	4.28	43	62573	18.509 ug/l	93
13) Acrolein	3.57	56	29357	89.217 ug/l	92
14) Acrylonitrile	4.94	53	122607	88.211 ug/l	97
15) Acetone	3.78	58	32991	81.998 ug/l #	55
16) Carbon Disulfide	4.01	76	135360	16.617 ug/l	99
17) Allyl chloride	4.28	41	84329	16.494 ug/l	85
18) Methylene Chloride	4.51	84	58501	17.768 ug/l	93
19) trans-1,2-Dichloroethene	4.99	96	51477	16.591 ug/l	93
20) Diisopropyl ether	5.90	45	97266	9.464 ug/l	95
21) 1,1-Dichloroethane	5.80	63	105970	17.032 ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	57604	16.354 ug/l	91
23) tert-Butyl Alcohol	4.72	59	21340	35.793 ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	146698	15.919 ug/l #	87
25) Chloroform	7.33	83	112279	17.211 ug/l	99
26) Cyclohexane	7.61	56	70970	15.836 ug/l #	97
29) 1,1-Dichloropropene	7.75	75	74594	16.717 ug/l	97
30) 2-Butanone	6.79	43	192656	88.029 ug/l	95
31) 2,2-Dichloropropane	6.78	77	85762	16.082 ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	94804	16.654 ug/l	98
33) Carbon Tetrachloride	7.73	117	81340	16.309 ug/l	95
34) Benzene	8.00	78	226571	17.859 ug/l	95
35) Methacrylonitrile	7.13	41	39803	19.135 ug/l	92
36) 1,2-Dichloroethane	8.09	62	94034	16.870 ug/l #	85
37) Trichloroethene	8.80	130	55533	16.706 ug/l	96
38) Methylcyclohexane	9.05	83	58675	15.574 ug/l	97
39) 1,2-Dichloropropane	9.08	63	62580	18.154 ug/l	95
40) Dibromomethane	9.18	93	41155	17.094 ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	85463	17.079	ug/l	98
42) Vinyl Acetate	5.85	43	806193	88.757	ug/l	97
43) Ethyl Acetate	6.88	43	82384	17.578	ug/l	98
44) Isopropyl Acetate	8.13	43	136719	17.602	ug/l #	90
45) 1,4-Dioxane	9.17	88	15873	318.745	ug/l	93
46) Methyl methacrylate	9.17	41	68385	17.696	ug/l	85
47) n-amyl Acetate	12.05	43	106712	15.452	ug/l	96
48) t-1,3-Dichloropropene	10.35	75	86505	15.998	ug/l	95
49) cis-1,3-Dichloropropene	9.81	75	94966	16.937	ug/l #	83
50) 1,1,2-Trichloroethane	10.53	97	57270	17.814	ug/l	99
51) Ethyl methacrylate	10.40	69	76761	16.461	ug/l	80
52) 1,3-Dichloropropane	10.68	76	96613	17.544	ug/l	98
53) Dibromochloromethane	10.87	129	61853	16.717	ug/l	98
54) 1,2-Dibromoethane	10.98	107	58719	17.421	ug/l	96
55) 2-Chloroethyl vinyl ether	9.66	63	217290	87.322	ug/l	99
56) Bromoform	12.10	173	42678	16.646	ug/l #	93
58) 4-Methyl-2-Pentanone	9.95	43	430648	91.782	ug/l	93
59) 2-Hexanone	10.72	43	301747	86.340	ug/l	94
61) Tetrachloroethene	10.60	164	50809	16.566	ug/l	92
62) Toluene	10.13	91	243019	17.502	ug/l	98
64) Chlorobenzene	11.41	112	140560	16.702	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	56578	17.189	ug/l	98
66) Ethyl Benzene	11.49	91	247751	16.248	ug/l	98
67) m/p-Xylenes	11.60	106	188572	33.257	ug/l	97
68) o-Xylene	11.92	106	88624	16.405	ug/l	95
69) Styrene	11.94	104	149900	16.262	ug/l	96
70) Isopropylbenzene	12.23	105	237172	16.522	ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.48	83	81883	18.046	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	111350	24.066	ug/l	50
73) Bromobenzene	12.50	156	58412	16.054	ug/l	86
74) n-propylbenzene	12.57	91	269133	16.038	ug/l	100
75) 2-Chlorotoluene	12.65	91	170551	16.662	ug/l	95
76) 1,3,5-Trimethylbenzene	12.71	105	195534	16.153	ug/l	98
77) t-1,4-Dichloro-2-butene	12.28	75	25403	15.436	ug/l	86
78) 4-Chlorotoluene	12.75	91	179370	16.548	ug/l	96
79) tert-butylbenzene	12.97	119	154900	15.972	ug/l	96
80) 1,2,4-Trimethylbenzene	13.02	105	195099	16.077	ug/l	97
81) sec-Butylbenzene	13.15	105	201858	15.836	ug/l	98
82) p-Isopropyltoluene	13.26	119	178996	15.536	ug/l	94
83) 1,3-Dichlorobenzene	13.26	146	102265	15.804	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	98232	15.282	ug/l	99
85) n-Butylbenzene	13.59	91	148162	14.699	ug/l	96
86) Hexachloroethane	13.85	117	31961	16.097	ug/l	82
87) 1,2-Dichlorobenzene	13.63	146	100788	15.873	ug/l	95
88) 1,2-Dibromo-3-Chloropropan	14.24	75	17140	15.809	ug/l	86
89) 1,2,4-Trichlorobenzene	14.88	180	40220	12.461	ug/l #	90
90) Hexachlorobutadiene	14.98	225	26727	15.635	ug/l	96
91) Naphthalene	15.10	128	124897	12.650	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	44536	14.167	ug/l	96

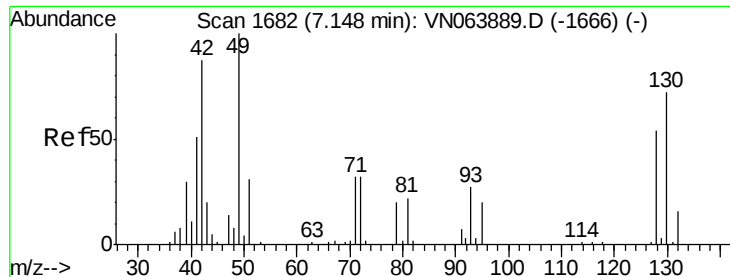
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

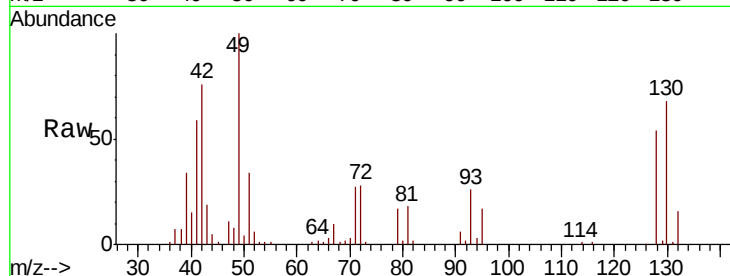
Tot Ion:128 Resp: 51189

Ion Ratio Lower Upper

128 100

49 194.7 0.0 437.5

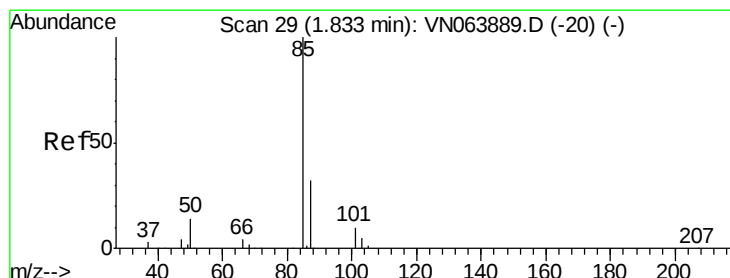
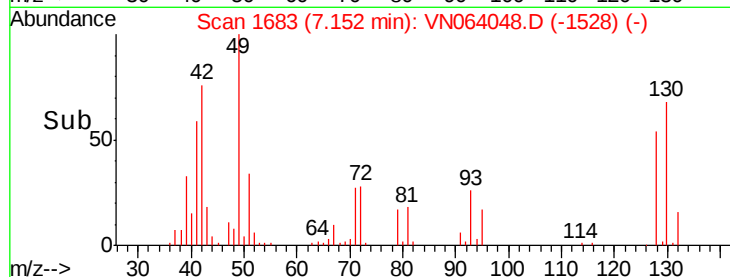
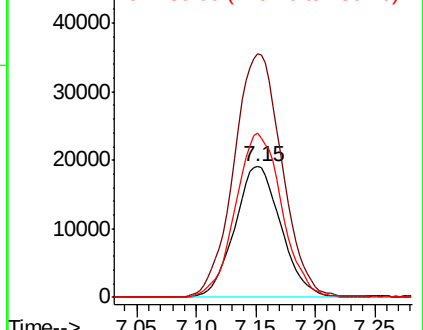
130 126.9 0.0 327.3



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: 17.060 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064048.D

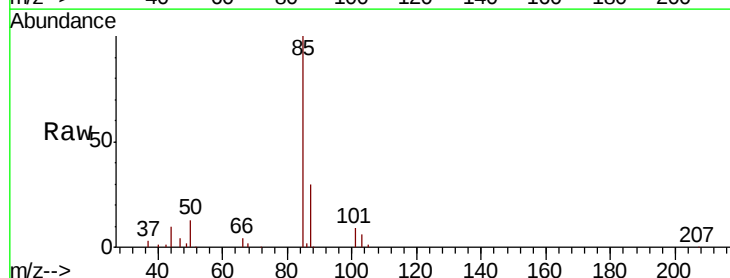
Acq: 9 Oct 2020 19:13

Tgt Ion: 85 Resp: 59106

Ion Ratio Lower Upper

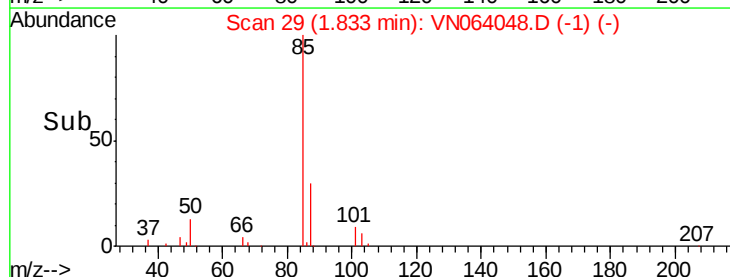
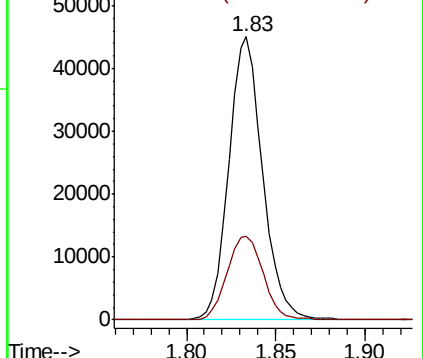
85 100

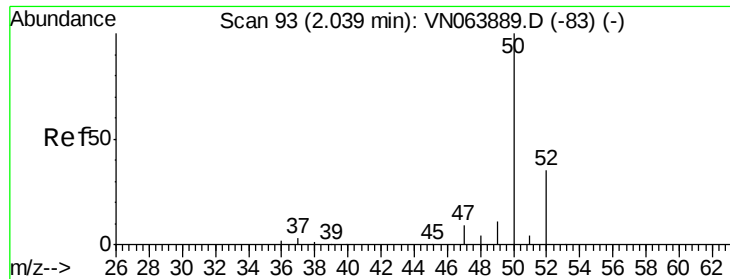
87 29.6 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 18.687 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

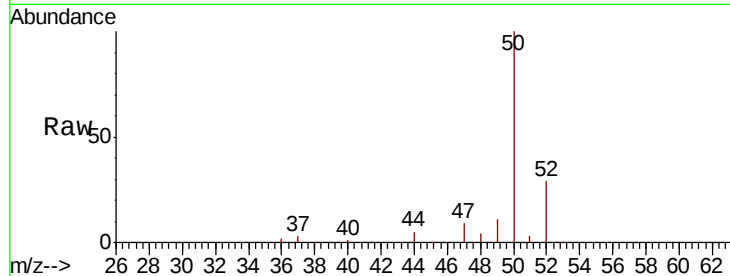
VSTDCCC020EC

Tot Ion: 50 Resp: 66999

Ion Ratio Lower Upper

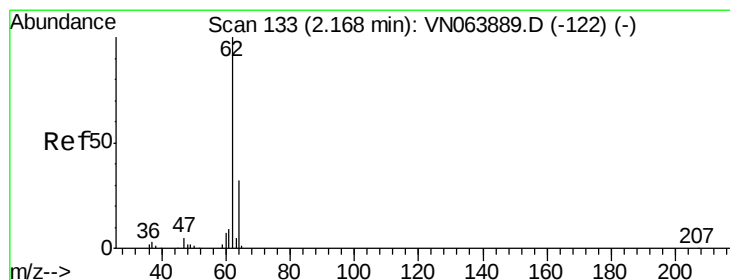
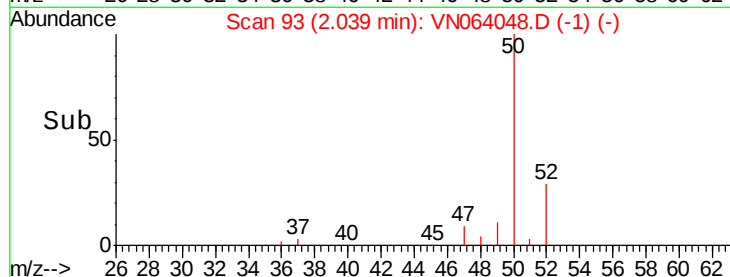
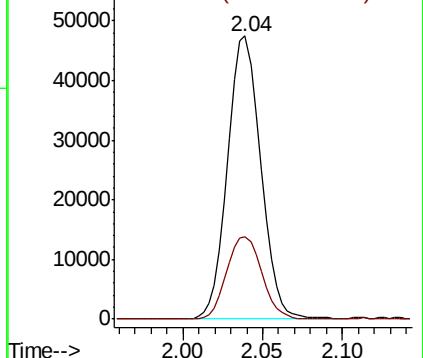
50 100

52 29.0 26.0 39.0



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 17.361 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.01 min

Lab File: VN064048.D

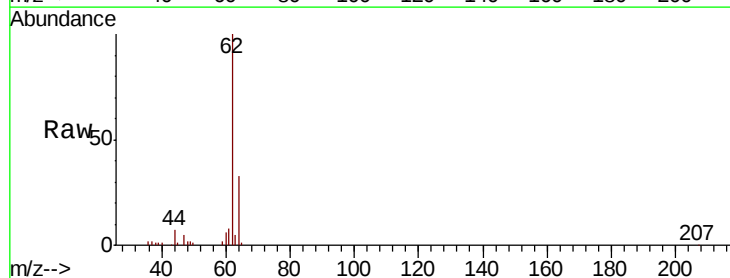
Acq: 9 Oct 2020 19:13

Tgt Ion: 62 Resp: 61922

Ion Ratio Lower Upper

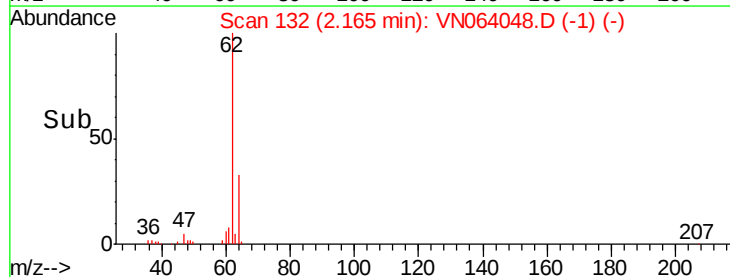
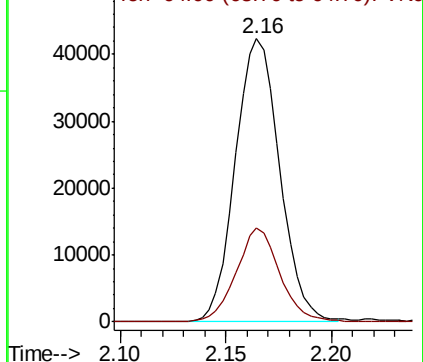
62 100

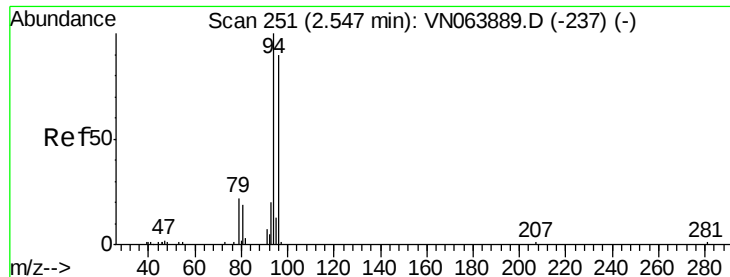
64 33.4 25.0 37.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 14.800 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

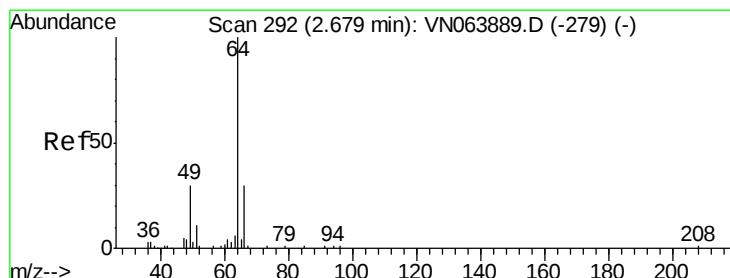
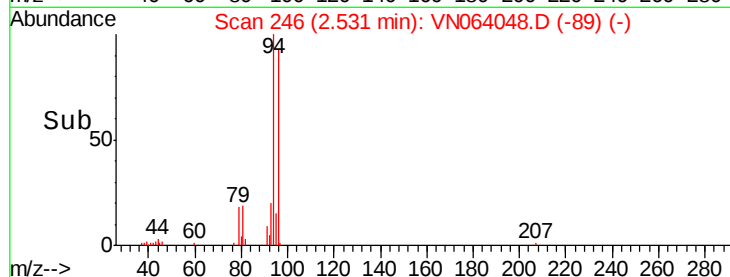
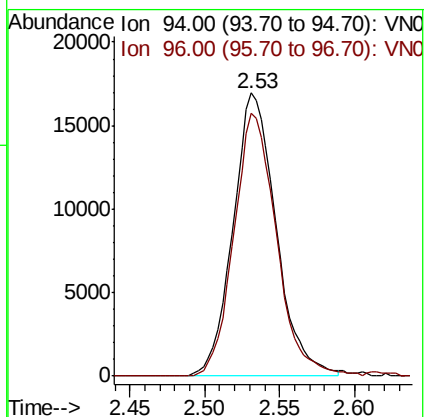
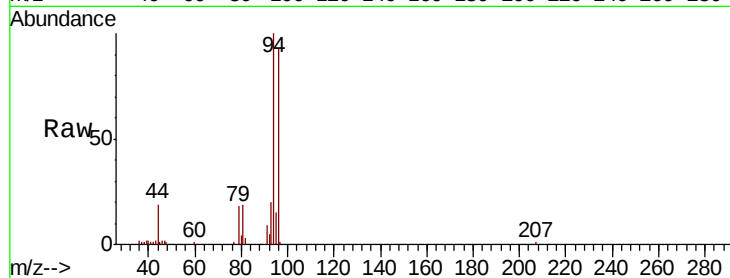
VSTDCCC020EC

Tot Ion: 94 Resp: 33976

Ion Ratio Lower Upper

94 100

96 92.7 74.0 111.0



#6

Chloroethane

Concen: 17.035 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN064048.D

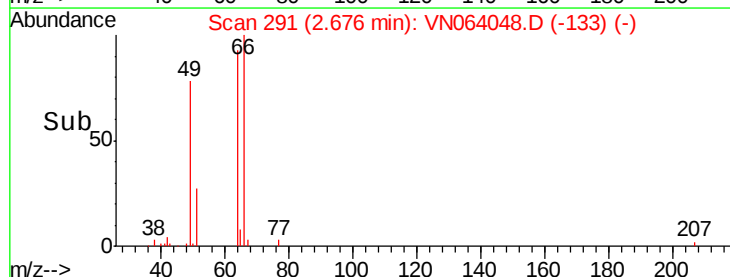
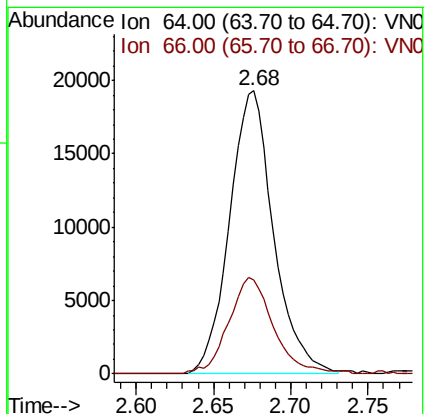
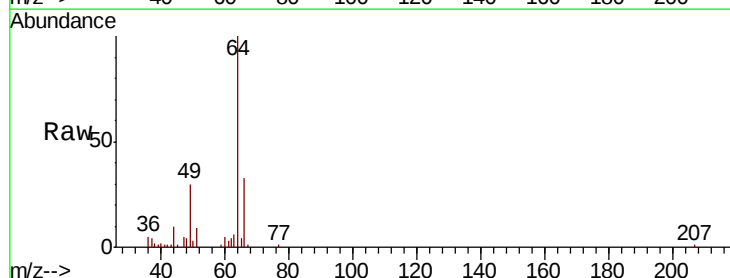
Acq: 9 Oct 2020 19:13

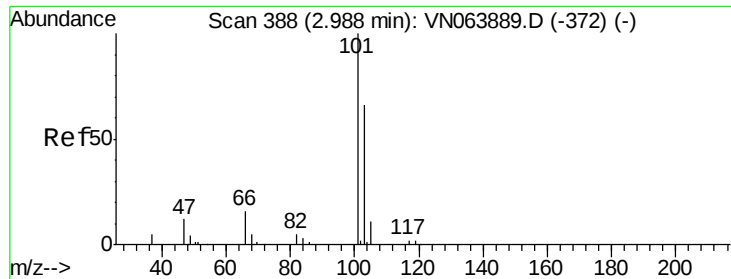
Tgt Ion: 64 Resp: 38118

Ion Ratio Lower Upper

64 100

66 32.1 25.8 38.8



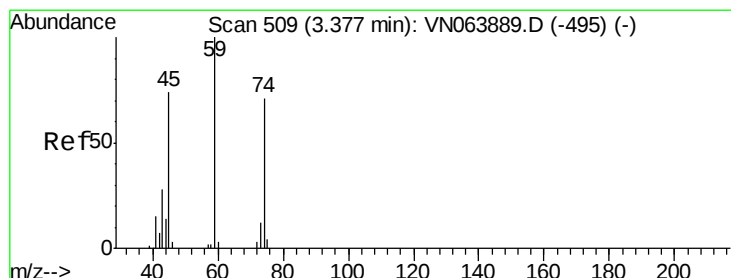
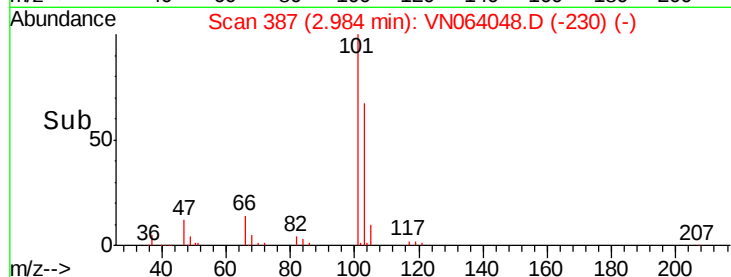
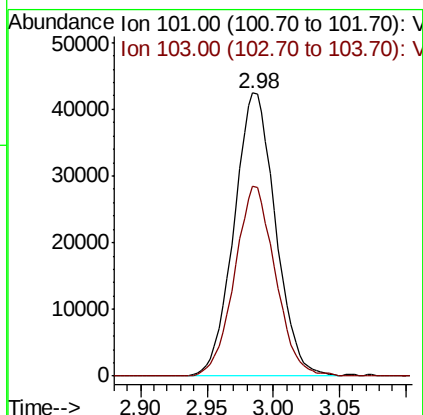
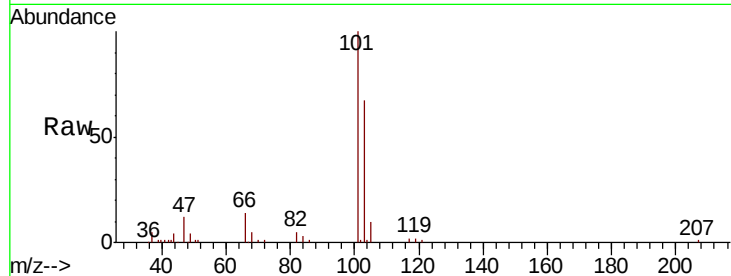


#7

Trichlorofluoromethane
 Concen: 16.329 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: VN064048.D
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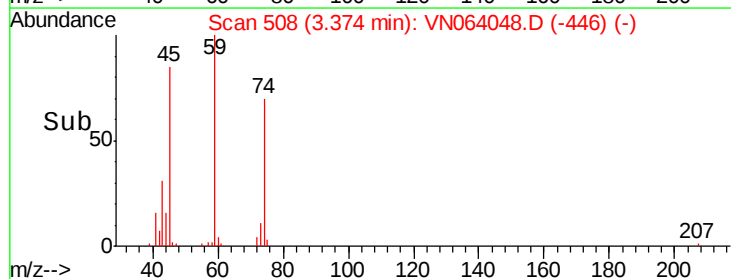
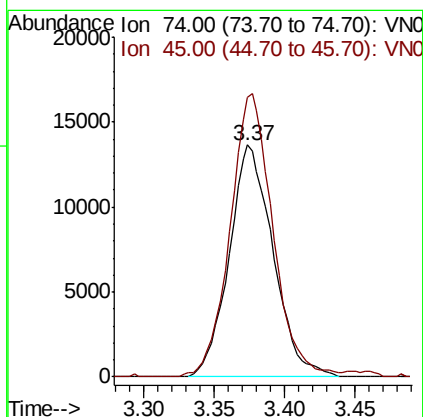
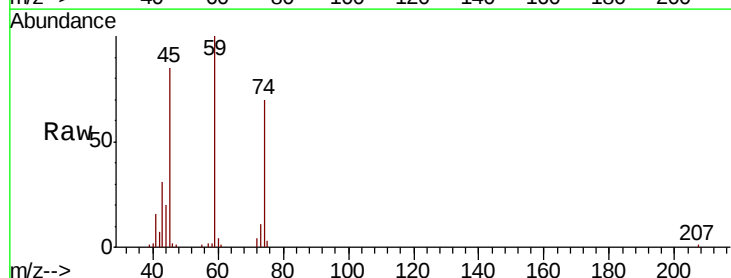
Tot Ion:101 Resp: 91938
 Ion Ratio Lower Upper
 101 100
 103 67.0 51.9 77.9

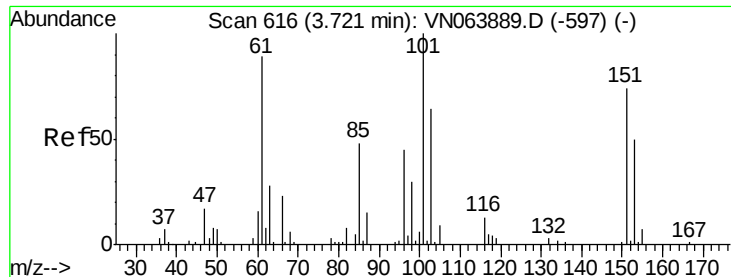


#8

Diethyl Ether
 Concen: 16.355 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Tgt Ion: 74 Resp: 29817
 Ion Ratio Lower Upper
 74 100
 45 117.6 20.6 185.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.351 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

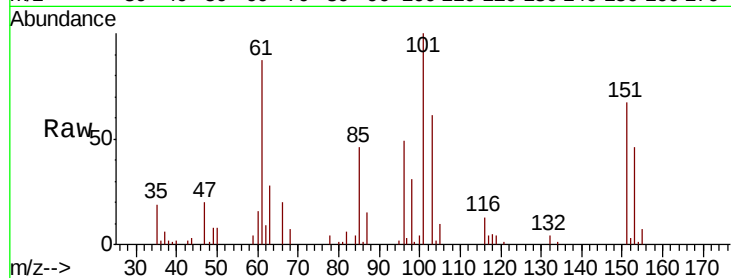
Tot Ion:101 Resp: 47839

Ion Ratio Lower Upper

101 100

85 47.3 0.0 85.0

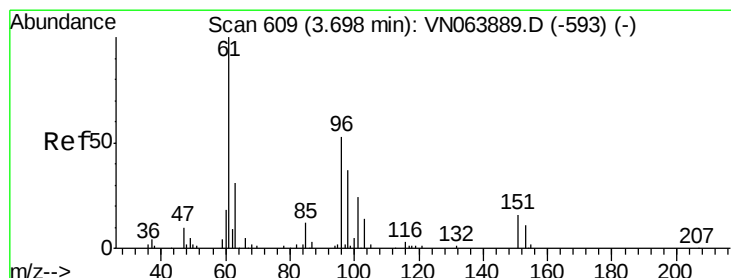
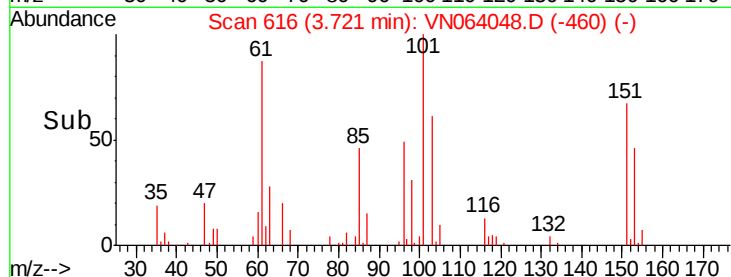
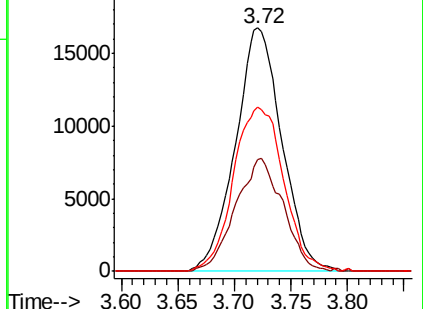
151 72.9 0.0 161.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 16.465 ug/l

RT: 3.70 min Scan# 611

Delta R.T. 0.01 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

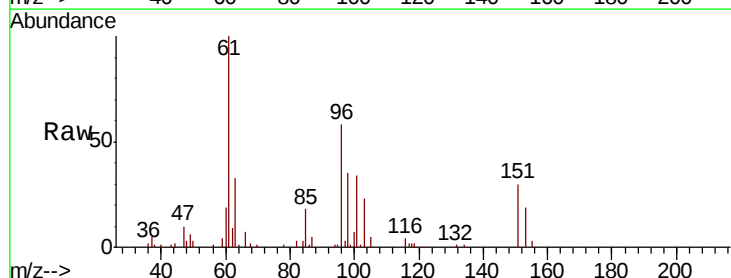
Tgt Ion: 96 Resp: 45226

Ion Ratio Lower Upper

96 100

61 172.0 130.8 196.2

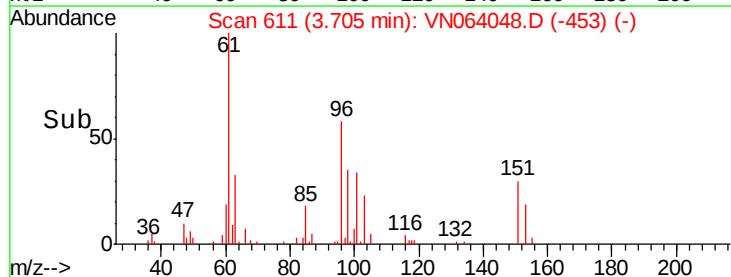
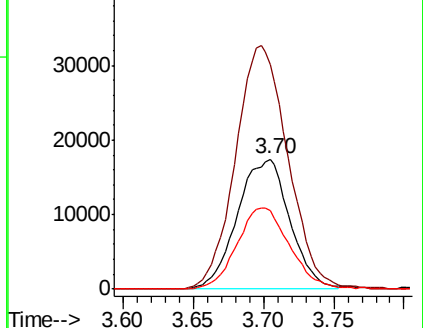
98 60.9 49.0 73.4

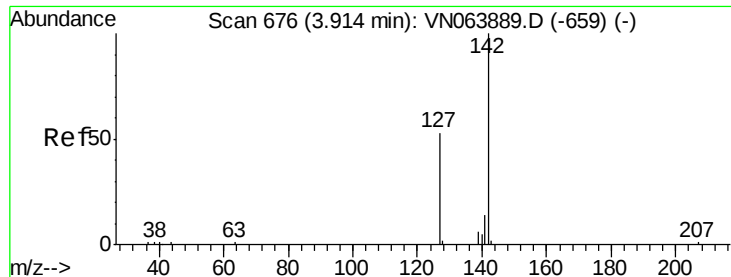


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

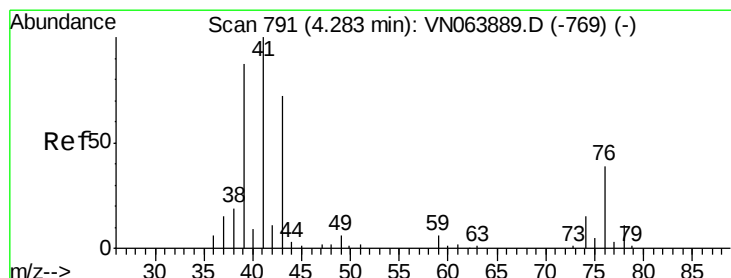
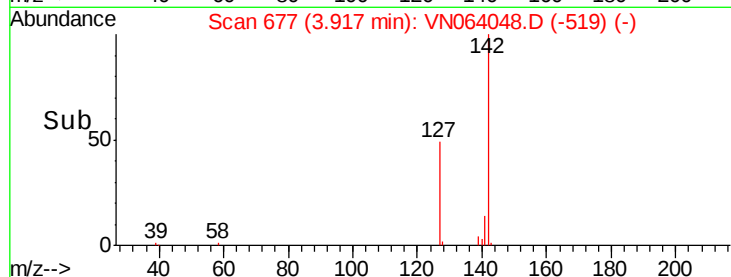
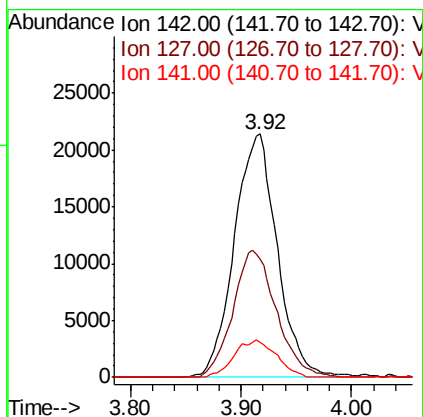
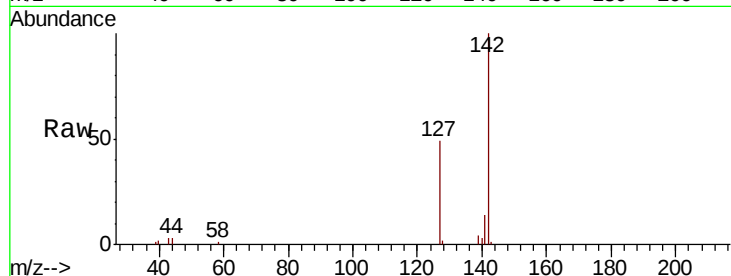




#11
Methyl Iodide
Concen: 16.437 ug/l
RT: 3.92 min Scan# 677
Delta R.T. 0.01 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

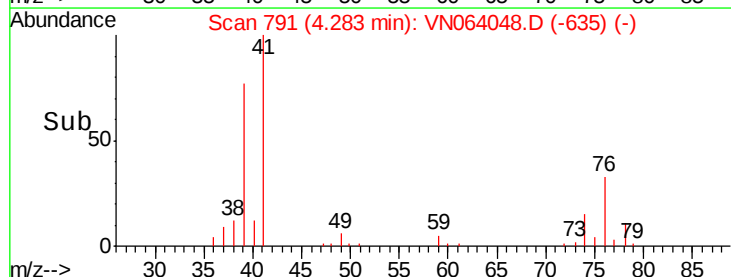
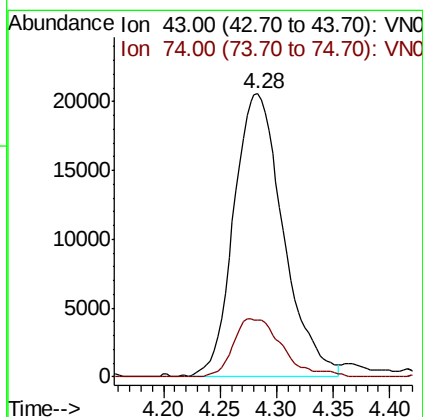
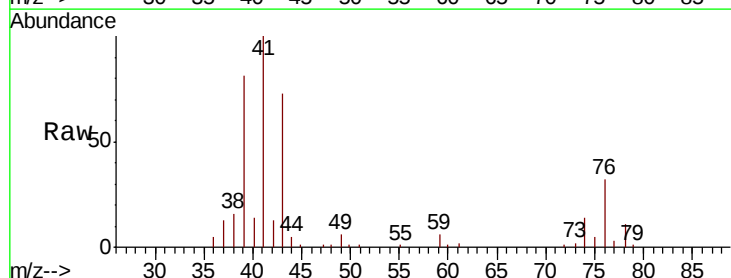
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

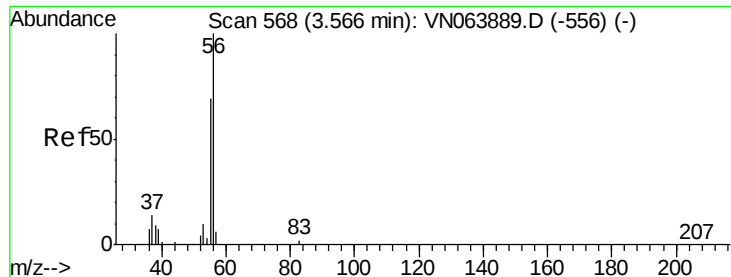
Tot Ion:142 Resp: 57608
Ion Ratio Lower Upper
142 100
127 49.1 20.9 62.8
141 14.4 6.7 20.1



#12
Methyl Acetate
Concen: 18.509 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion: 43 Resp: 62573
Ion Ratio Lower Upper
43 100
74 19.7 18.6 27.8





#13

Acrolein

Concen: 89.217 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.01 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

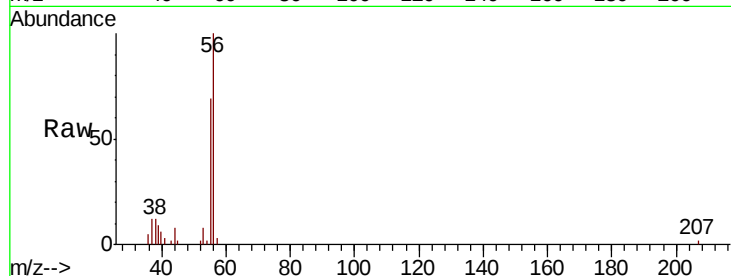
VSTDCCC020EC

Tot Ion: 56 Resp: 29357

Ion Ratio Lower Upper

56 100

55 66.7 58.7 88.1

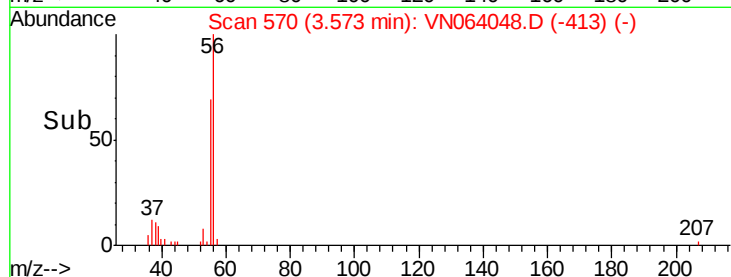


Abundance Ion 56.00 (55.70 to 56.70): VN063889.D (-556) (-)

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

3.57

Time-->



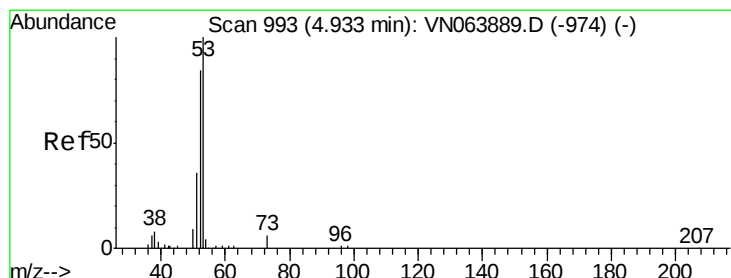
Abundance Ion 53.00 (52.70 to 53.70): VN063889.D (-974) (-)

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

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

4.94

Time-->



#14

Acrylonitrile

Concen: 88.211 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

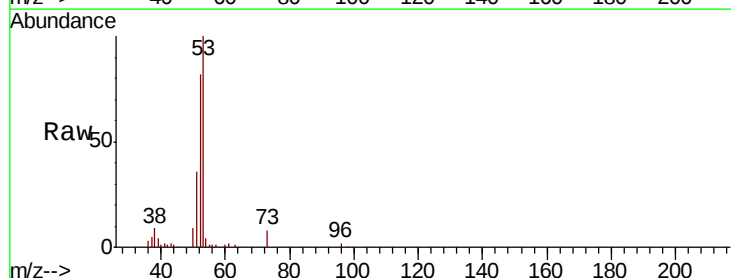
Tgt Ion: 53 Resp: 122607

Ion Ratio Lower Upper

53 100

52 82.0 39.9 119.7

51 36.1 17.0 51.0



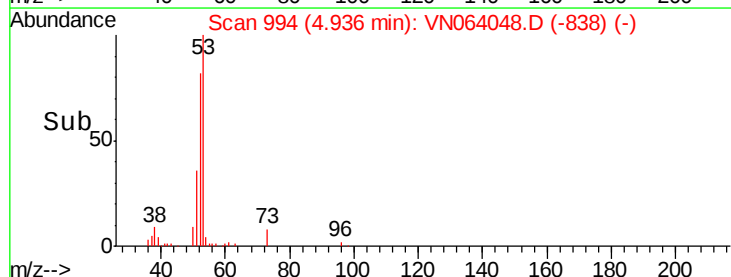
Abundance Ion 53.00 (52.70 to 53.70): VN064048.D (-838) (-)

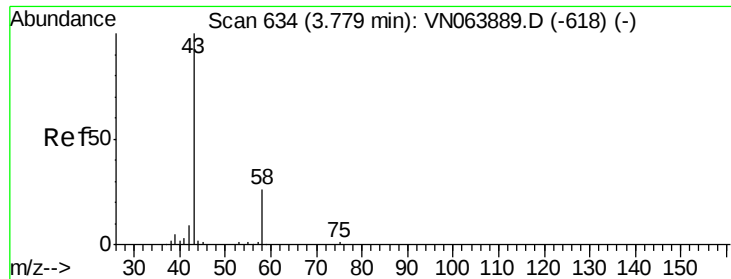
Ion 52.00 (51.70 to 52.70): VN064048.D (-838) (-)

Ion 51.00 (50.70 to 51.70): VN064048.D (-838) (-)

4.94

Time-->





#15

Acetone

Concen: 81.998 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

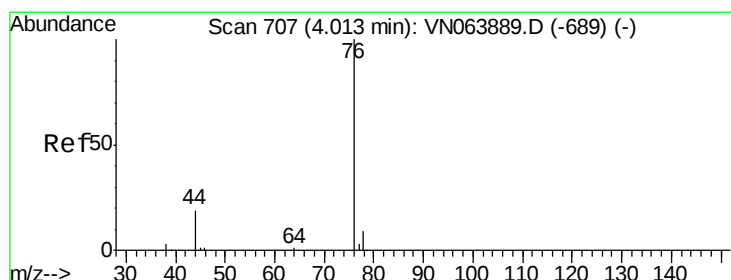
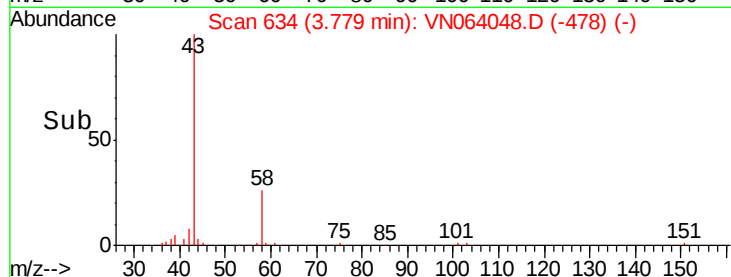
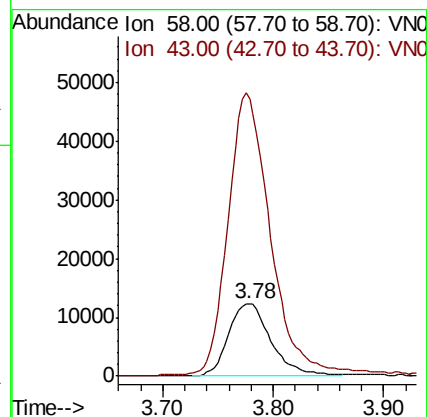
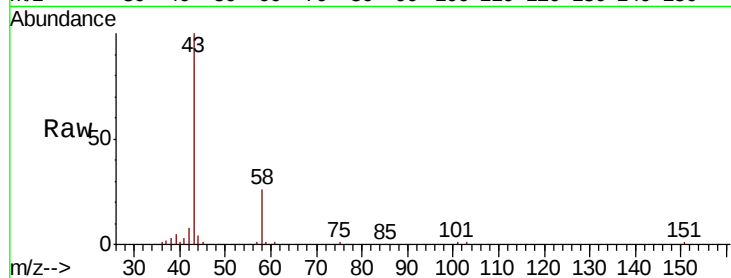
VSTDCCC020EC

Tot Ion: 58 Resp: 32991

Ion Ratio Lower Upper

58 100

43 377.4 233.2 349.8#



#16

Carbon Disulfide

Concen: 16.617 ug/l

RT: 4.01 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN064048.D

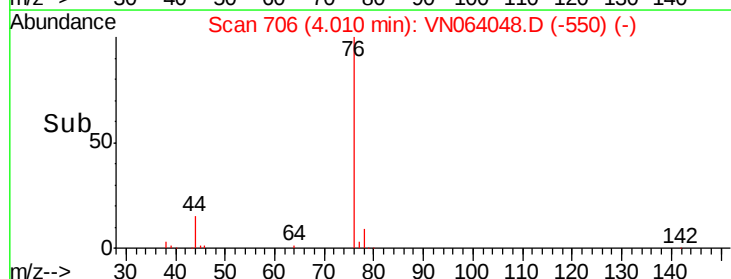
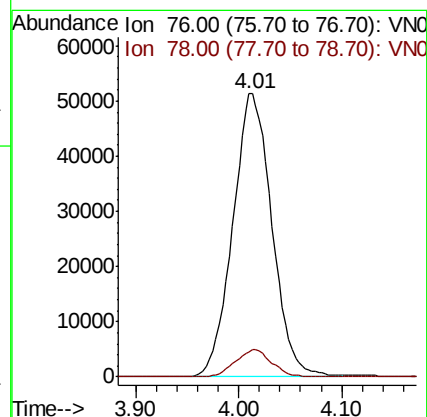
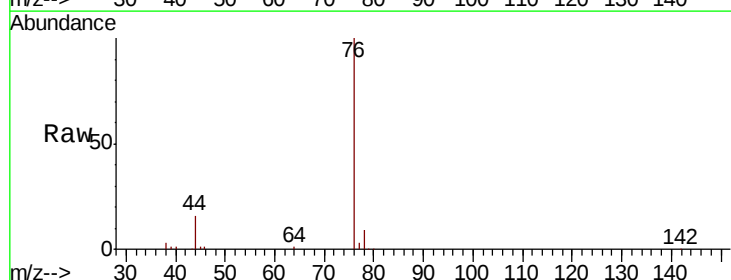
Acq: 9 Oct 2020 19:13

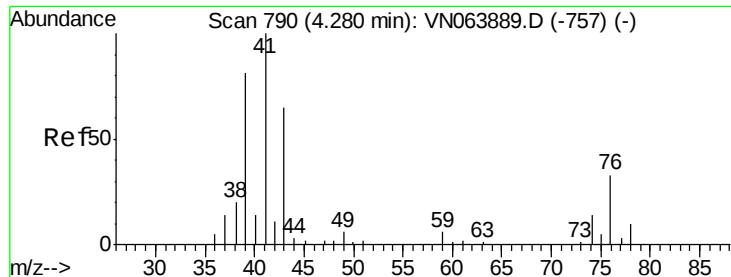
Tgt Ion: 76 Resp: 135360

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4

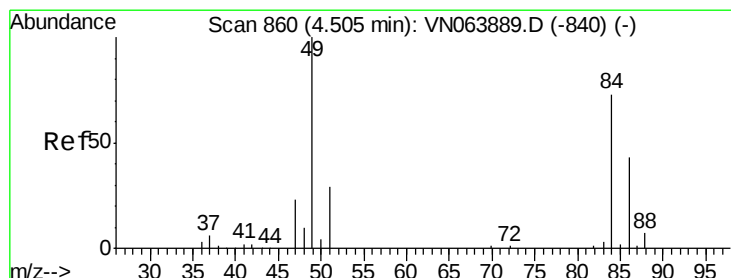
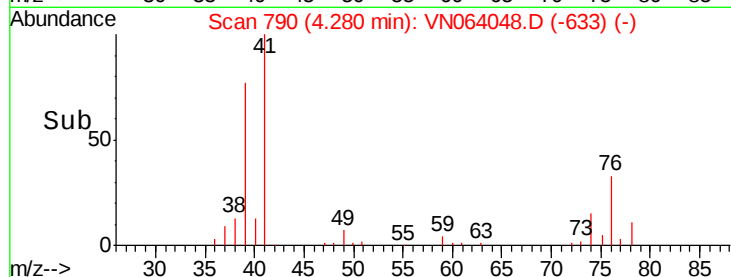
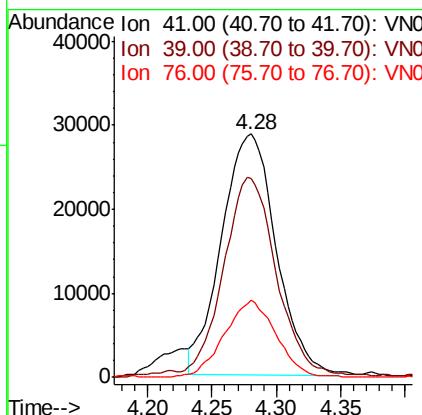
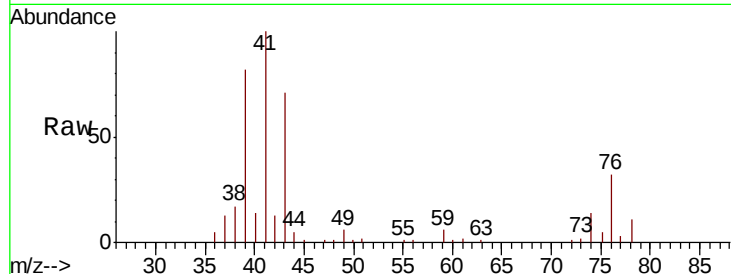




#17
Allvl chloride
Concen: 16.494 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

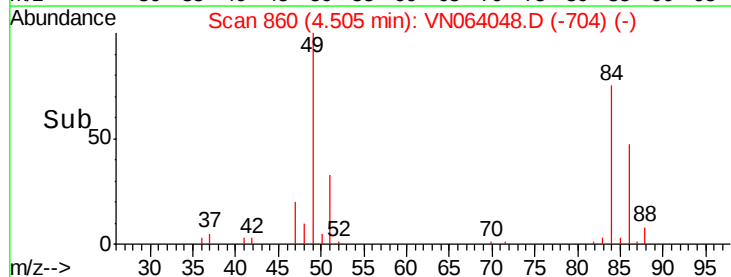
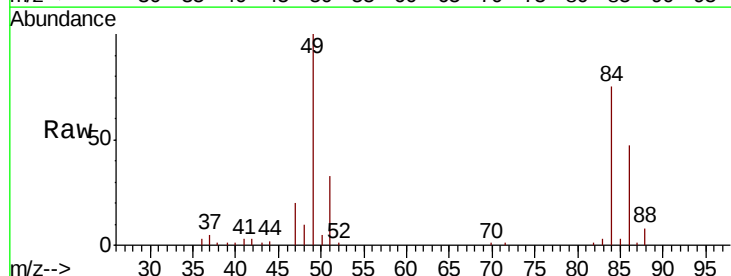
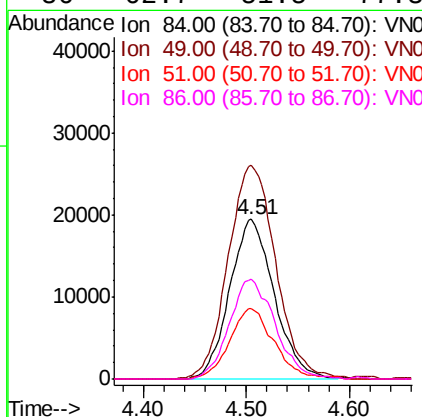
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

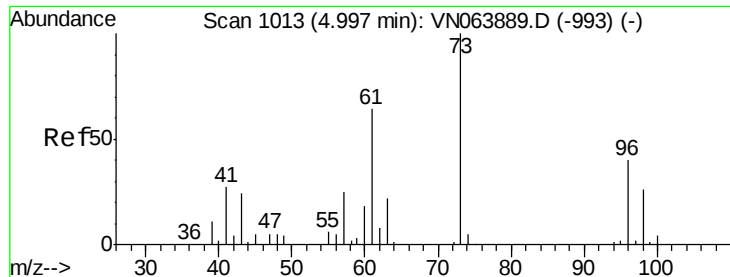
Tot Ion: 41 Resp: 84329
Ion Ratio Lower Upper
41 100
39 81.7 33.8 101.4
76 31.7 19.4 58.4



#18
Methylene Chloride
Concen: 17.768 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion: 84 Resp: 58501
Ion Ratio Lower Upper
84 100
49 131.9 97.8 146.8
51 44.0 30.7 46.1
86 62.7 51.5 77.3

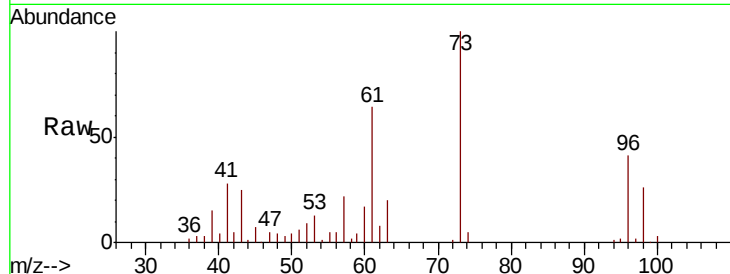




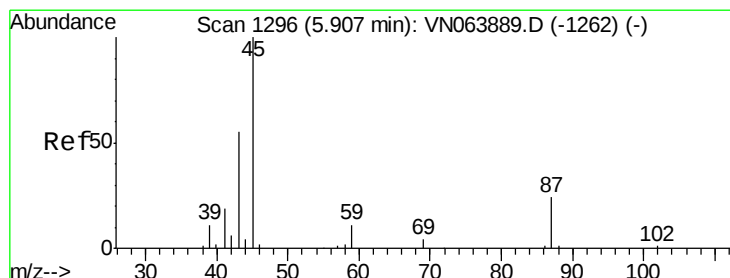
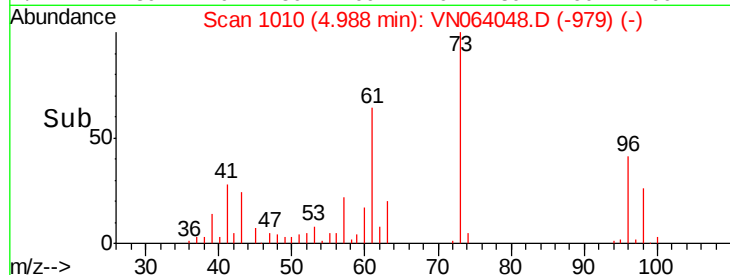
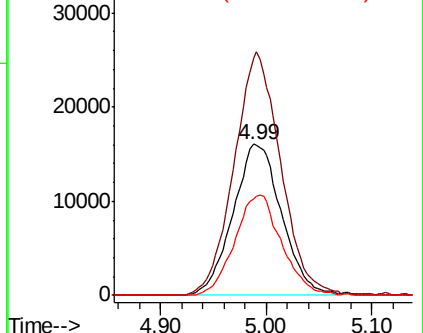
#19
trans-1,2-Dichloroethene
Concen: 16.591 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 96 Resp: 51477
Ion Ratio Lower Upper
96 100
61 156.0 115.9 173.9
98 63.8 53.3 79.9

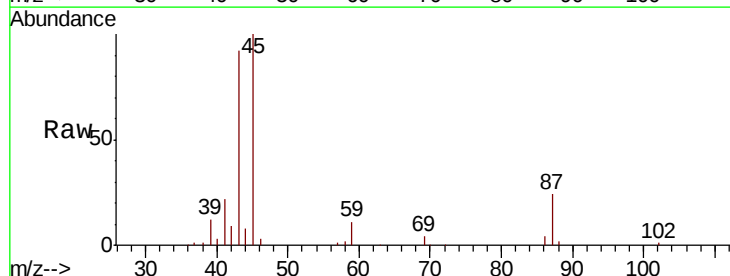


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

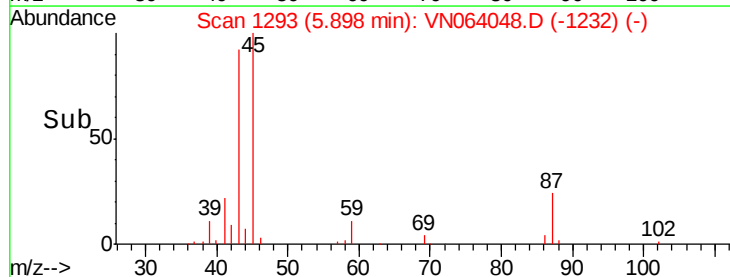
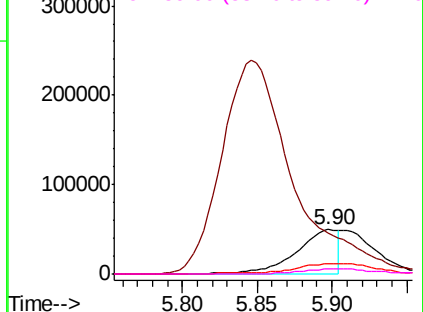


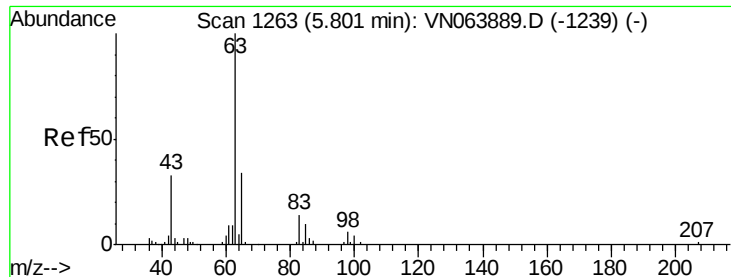
#20
Diisopropyl ether
Concen: 9.464 ug/l
RT: 5.90 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion: 45 Resp: 97266
Ion Ratio Lower Upper
45 100
43 61.7 51.8 77.6
87 22.8 21.8 32.6
59 10.8 9.6 14.4



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





#21

1,1-Dichloroethane

Concen: 17.032 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

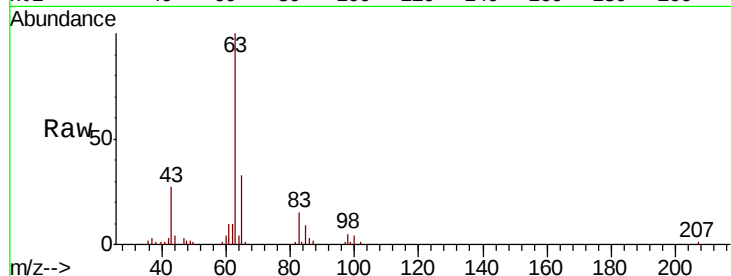
Tot Ion: 63 Resp: 105970

Ion Ratio Lower Upper

63 100

98 5.5 3.1 9.3

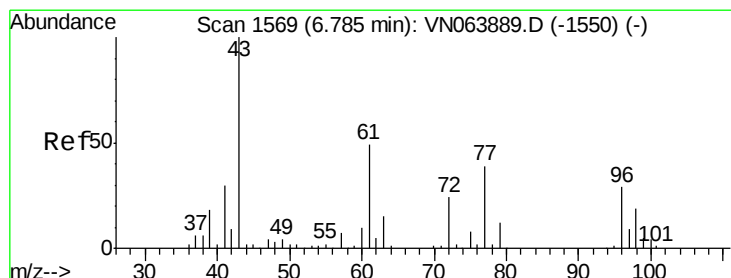
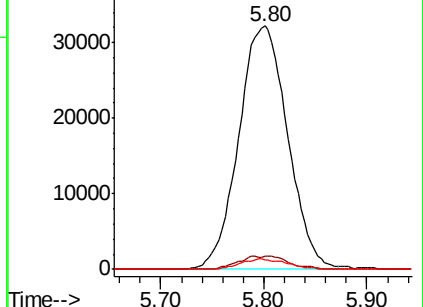
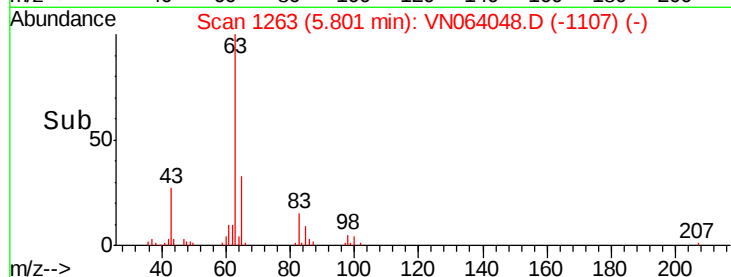
100 4.1 1.8 5.3



Abundance Ion 63.00 (62.70 to 63.70): VN064048.D (-1107) (-)

Ion 98.00 (97.70 to 98.70): VN064048.D (-1107) (-)

Ion 100.00 (99.70 to 100.70): VN064048.D (-1107) (-)



#22

cis-1,2-Dichloroethene

Concen: 16.354 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

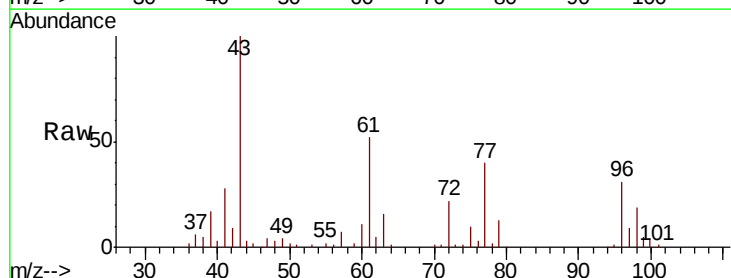
Tgt Ion: 96 Resp: 57604

Ion Ratio Lower Upper

96 100

61 165.7 120.9 181.3

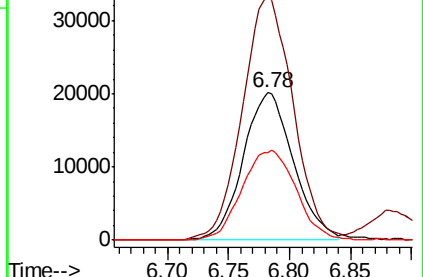
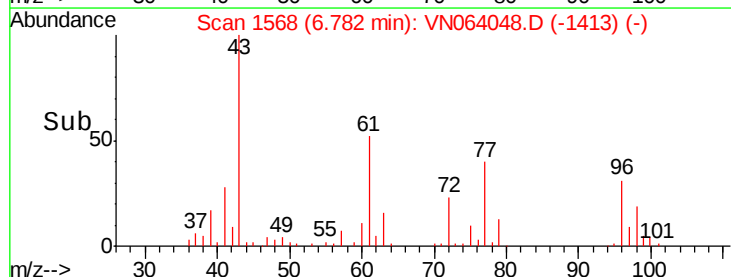
98 65.3 50.3 75.5

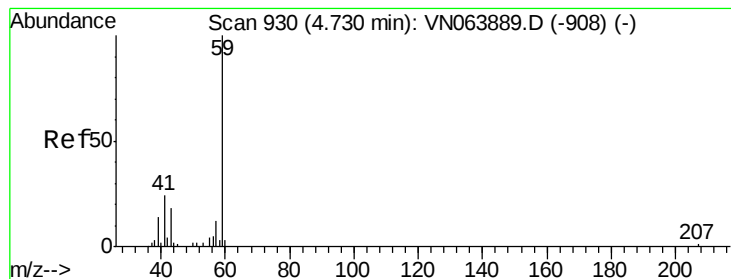


Abundance Ion 96.00 (95.70 to 96.70): VN064048.D (-1413) (-)

Ion 61.00 (60.70 to 61.70): VN064048.D (-1413) (-)

Ion 98.00 (97.70 to 98.70): VN064048.D (-1413) (-)





#23

tert-Butyl Alcohol

Concen: 35.793 ug/l

RT: 4.72 min Scan# 928

Delta R.T. -0.02 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

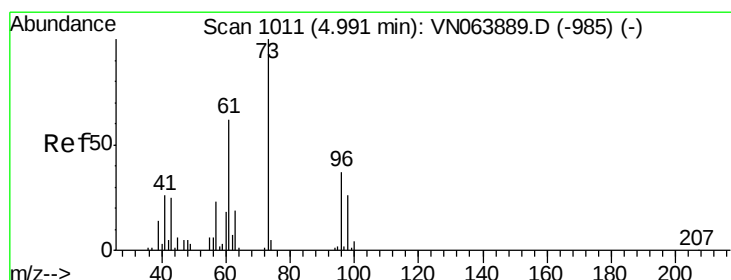
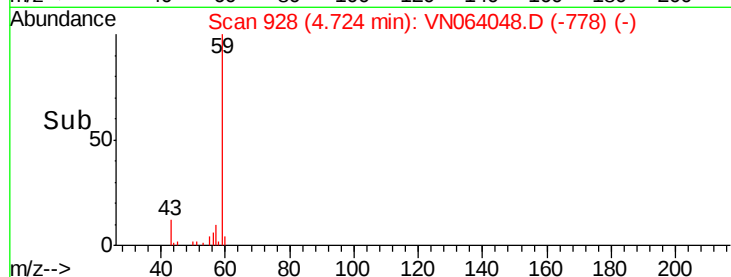
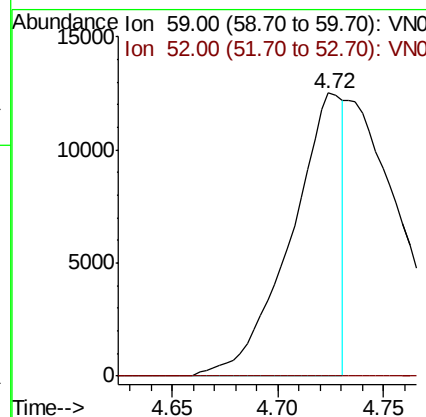
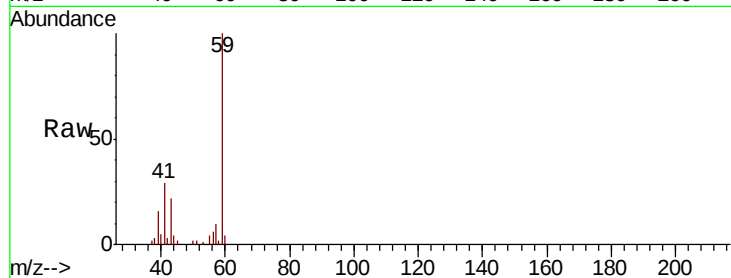
VSTDCCC020EC

Tot Ion: 59 Resp: 21340

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#24

Methyl tert-Butyl Ether

Concen: 15.919 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VN064048.D

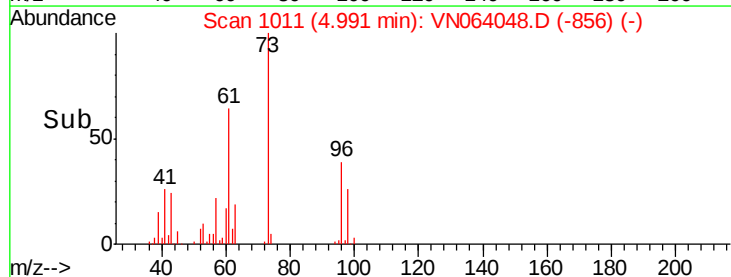
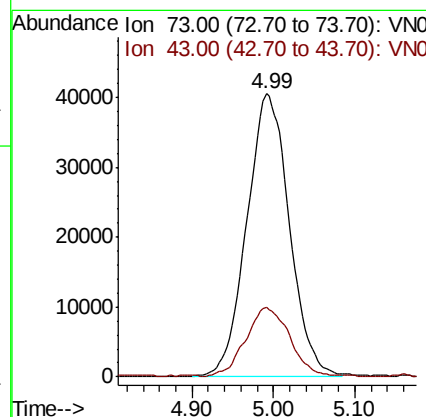
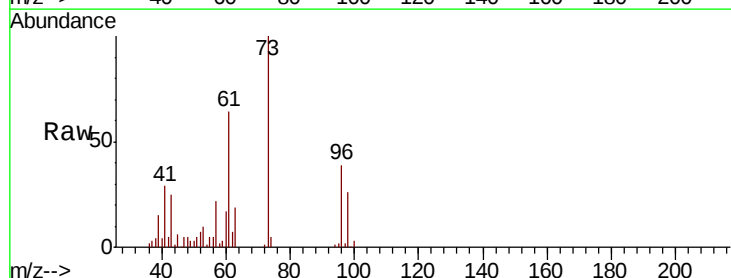
Acq: 9 Oct 2020 19:13

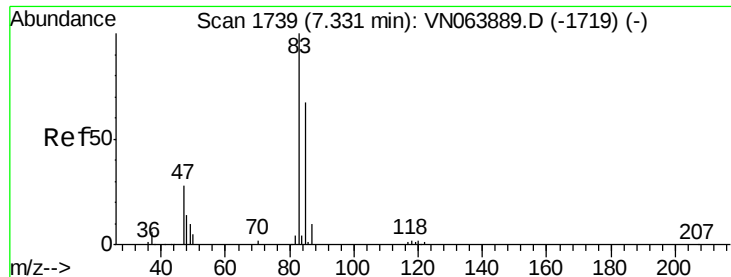
Tgt Ion: 73 Resp: 146698

Ion Ratio Lower Upper

73 100

43 25.5 15.8 23.6#





#25

Chloroform

Concen: 17.211 ug/l

RT: 7.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

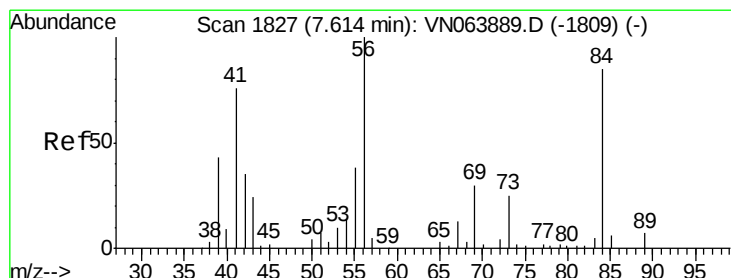
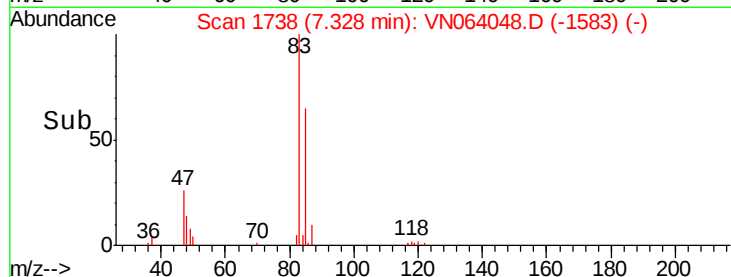
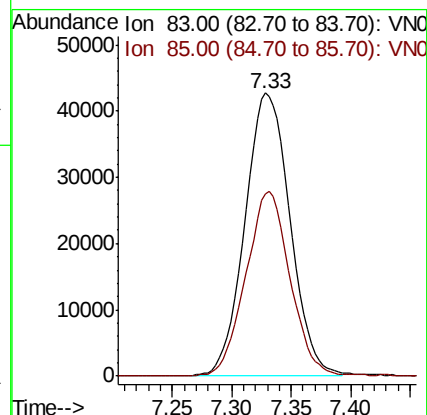
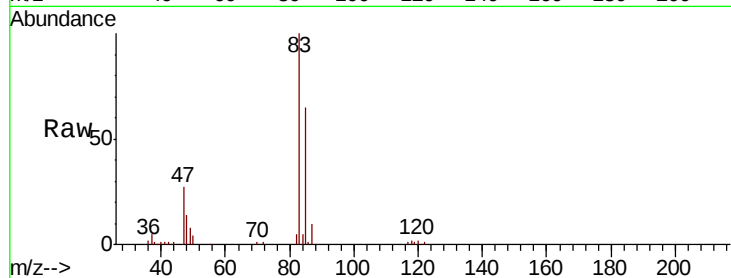
VSTDCCC020EC

Tot Ion: 83 Resp: 112279

Ion Ratio Lower Upper

83 100

85 64.6 51.0 76.4



#26

Cyclohexane

Concen: 15.836 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

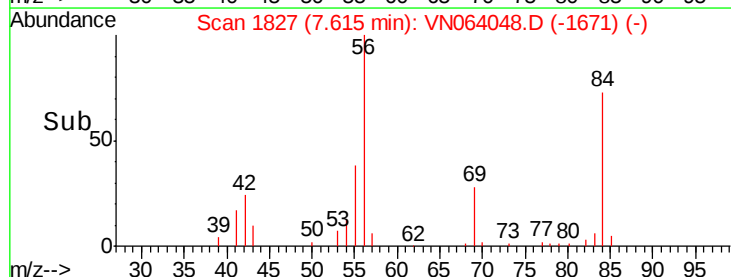
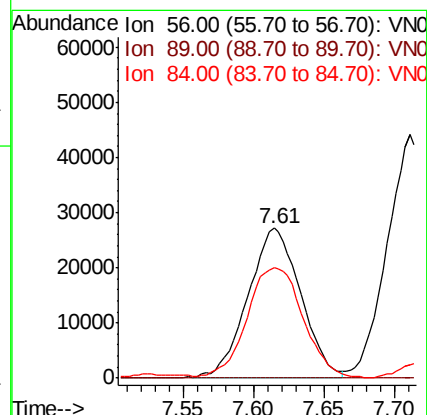
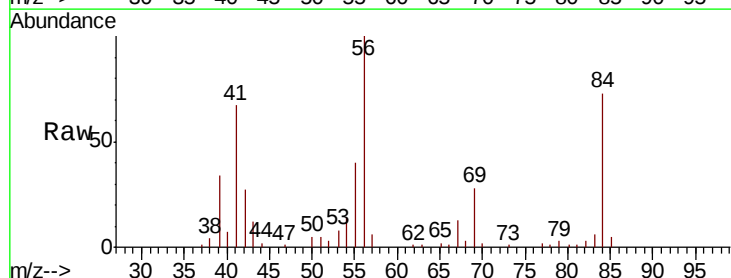
Tgt Ion: 56 Resp: 70970

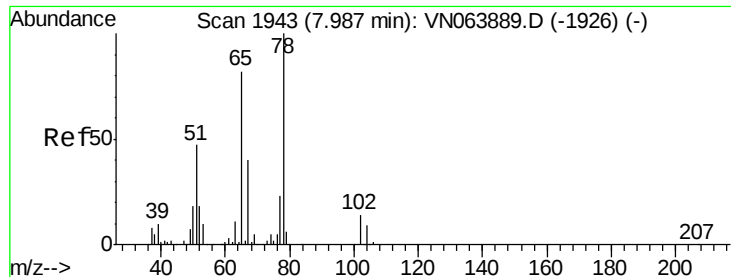
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 78.4 65.0 97.4





#27

1,2-Dichloroethane-d4

Concen: 29.578 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

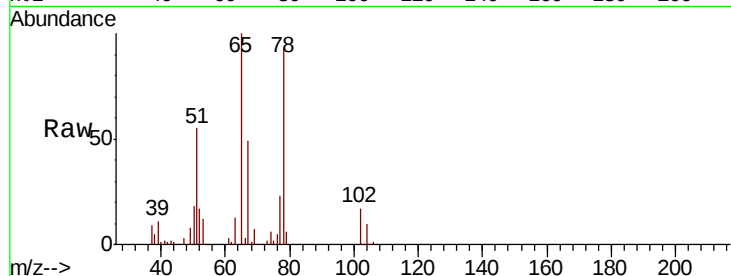
VSTDCCC020EC

Tot Ion: 65 Resp: 135979

Ion Ratio Lower Upper

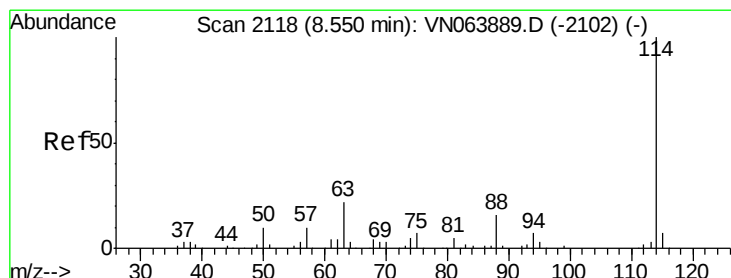
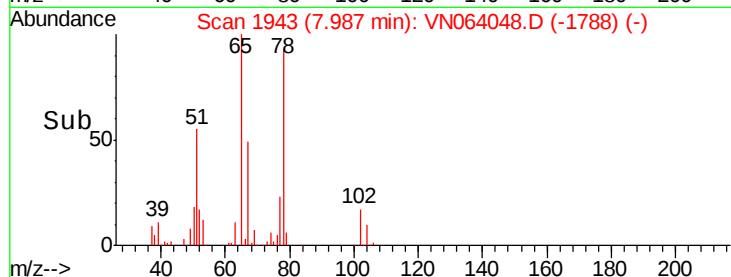
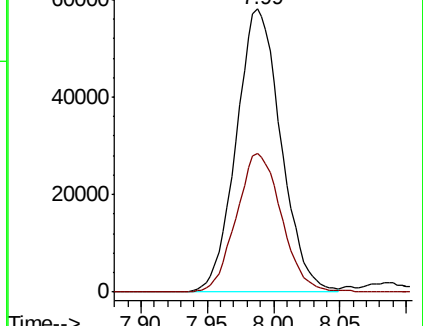
65 100

67 49.4 43.8 65.6



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

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



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

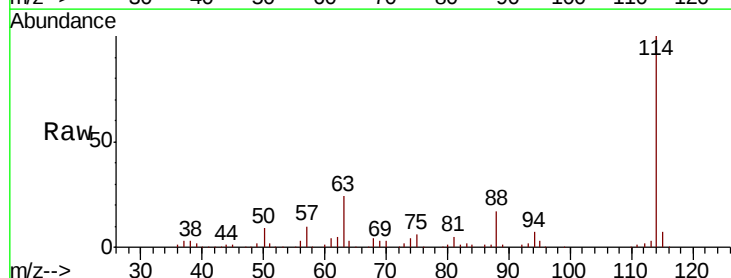
Tgt Ion: 114 Resp: 254803

Ion Ratio Lower Upper

114 100

63 23.3 17.0 25.6

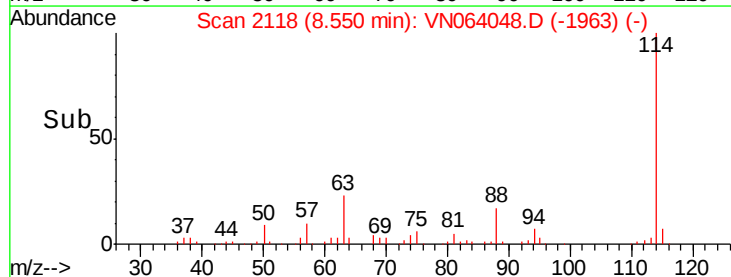
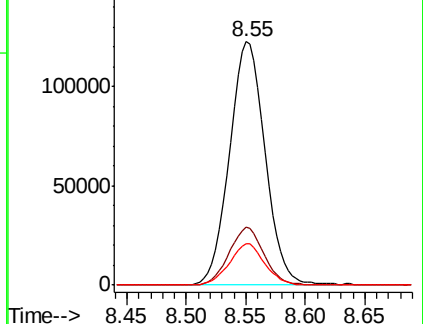
88 16.7 12.6 18.8

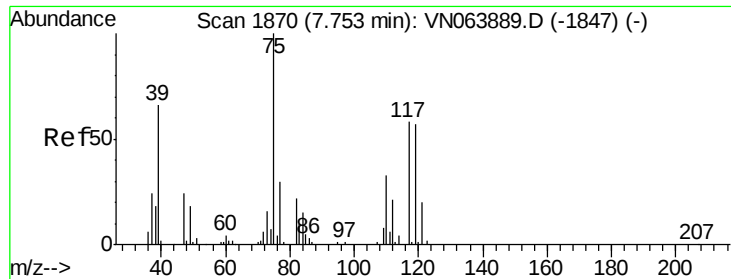


Abundance Ion 114.00 (113.70 to 114.70): VN063889.D (-2102) (-)

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

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

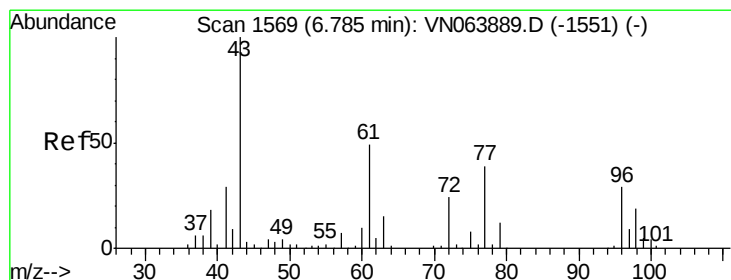
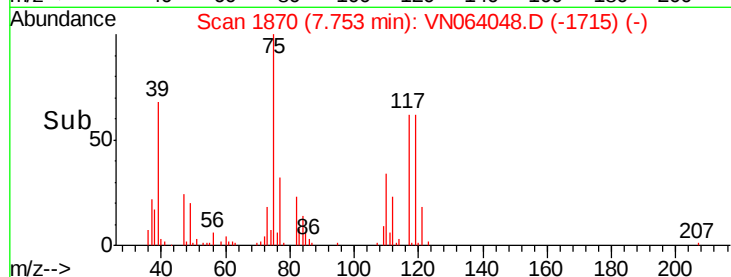
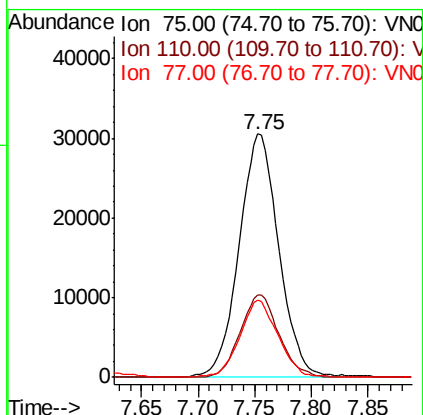
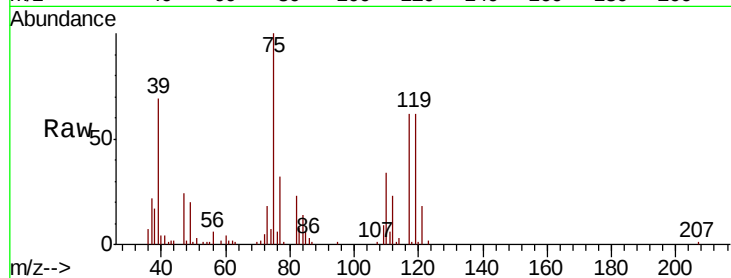




#29
 1,1-Dichloropropene
 Concen: 16.717 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

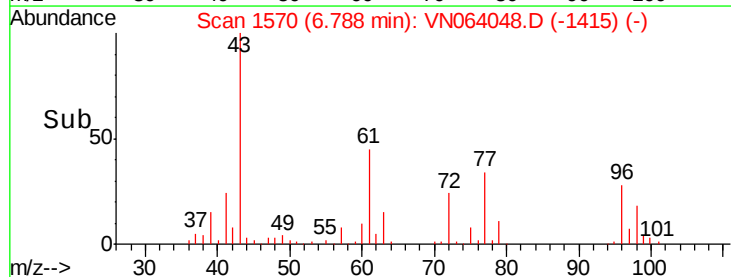
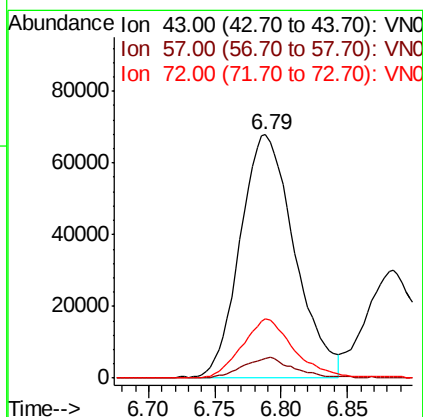
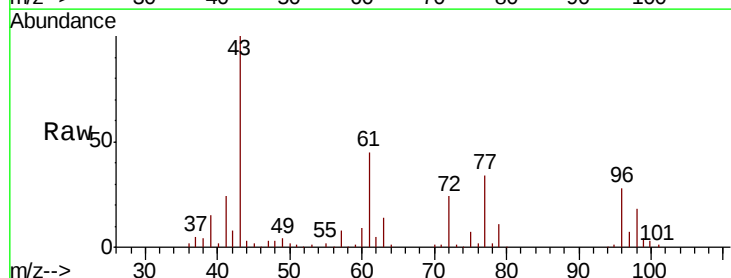
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

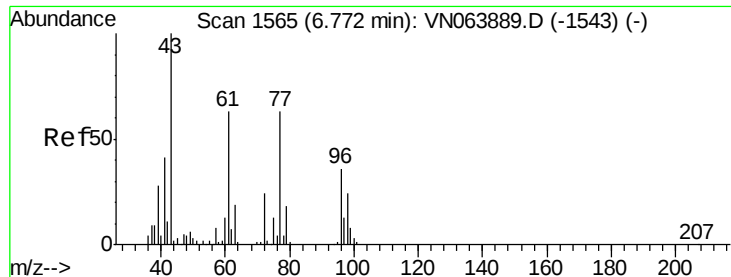
Tot Ion	Ratio	Lower	Upper
75	100		
110	32.8	0.0	70.6
77	30.5	0.0	60.2



#30
 2-Butanone
 Concen: 88.029 ug/l
 RT: 6.79 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.8	6.6	9.8
72	23.4	21.3	31.9





#31

2,2-Dichloropropane

Concen: 16.082 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

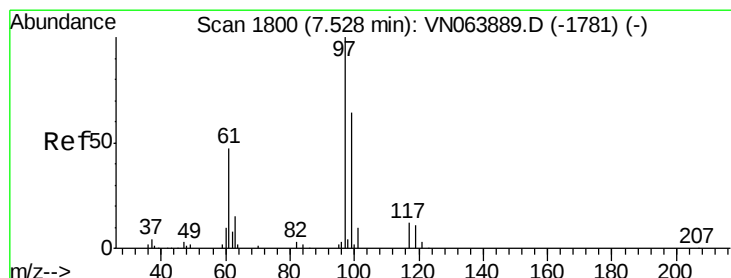
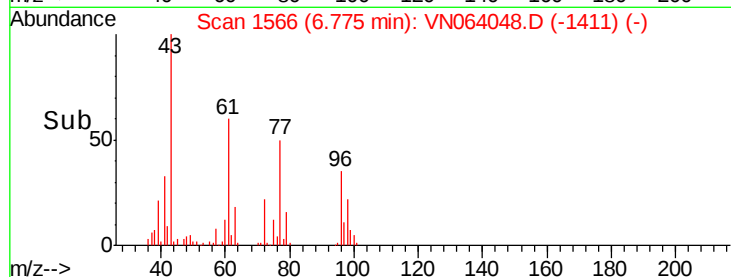
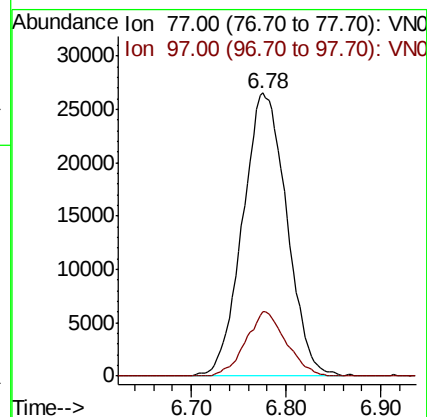
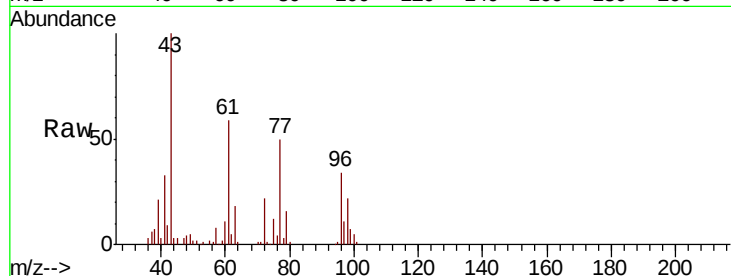
VSTDCCC020EC

Tot Ion: 77 Resp: 85762

Ion Ratio Lower Upper

77 100

97 20.9 18.2 27.4



#32

1,1,1-Trichloroethane

Concen: 16.654 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

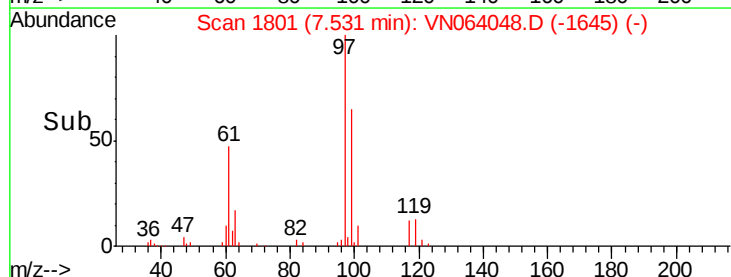
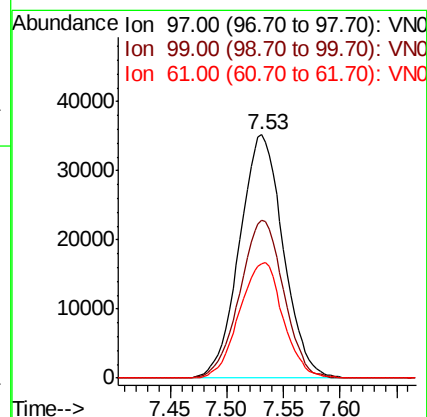
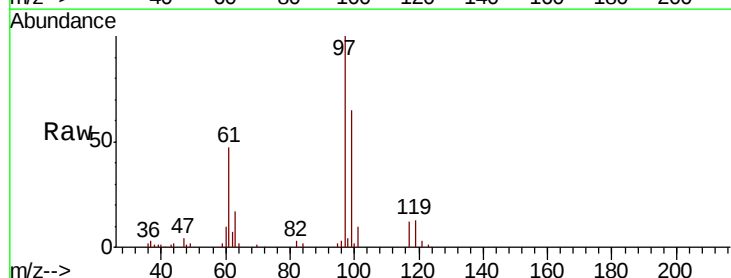
Tgt Ion: 97 Resp: 94804

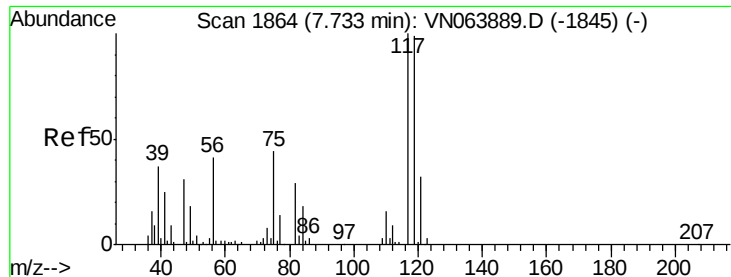
Ion Ratio Lower Upper

97 100

99 64.8 51.7 77.5

61 47.5 35.3 52.9

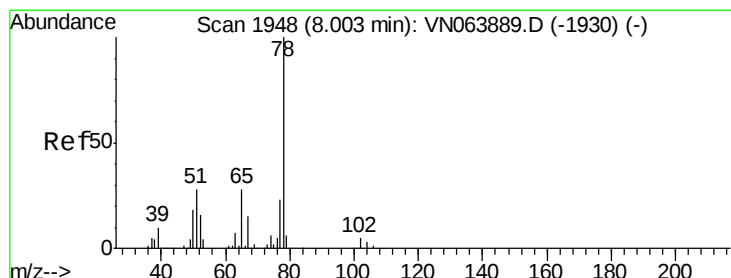
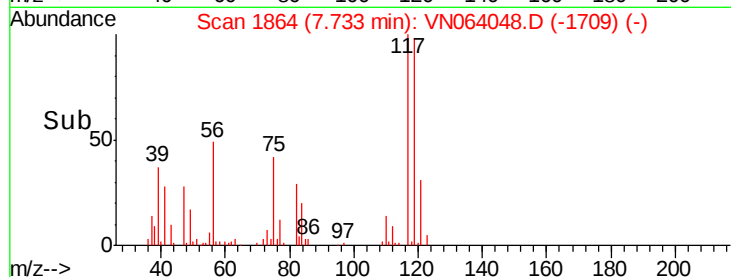
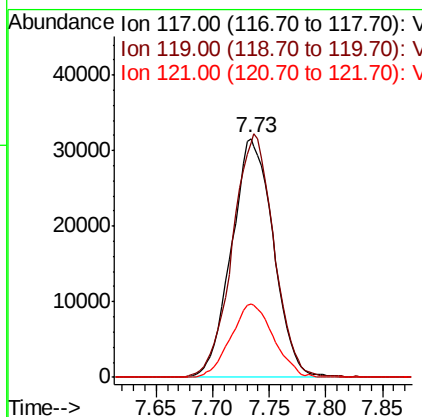
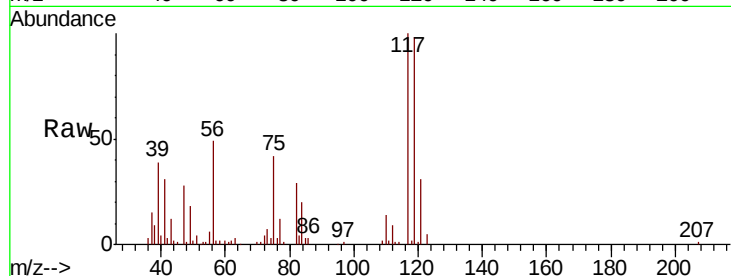




#33
Carbon Tetrachloride
Concen: 16.309 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

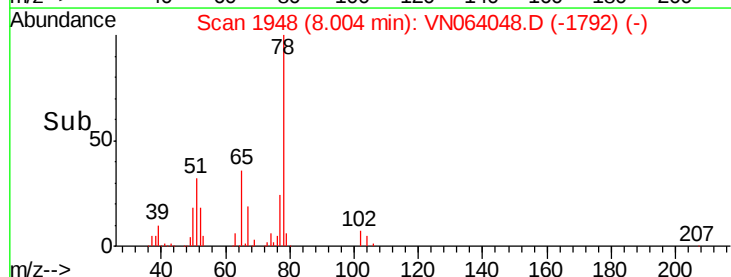
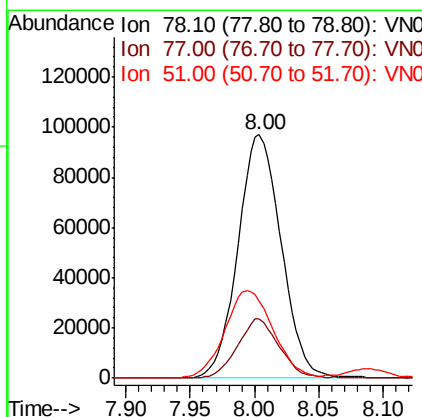
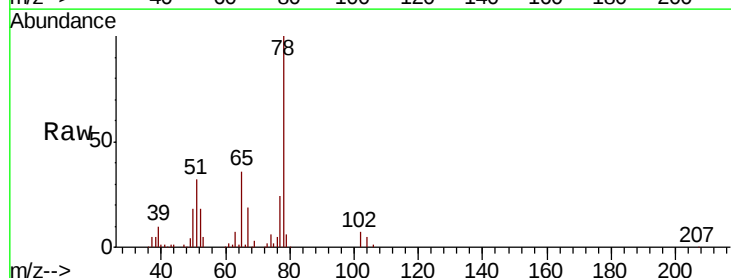
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

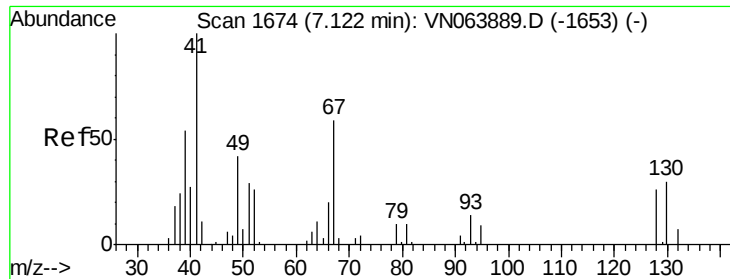
Tot Ion:117 Resp: 81340
Ion Ratio Lower Upper
117 100
119 97.8 73.0 109.4
121 30.6 24.9 37.3



#34
Benzene
Concen: 17.859 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion: 78 Resp: 226571
Ion Ratio Lower Upper
78 100
77 24.4 18.6 27.8
51 31.3 22.2 33.2

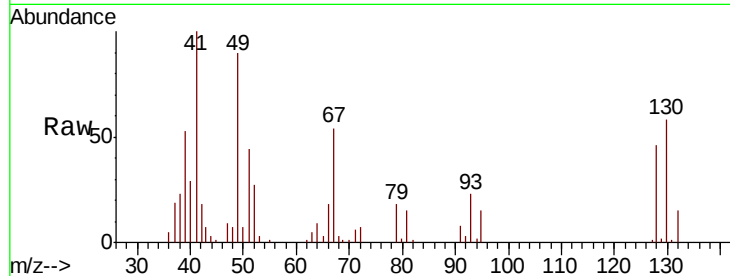




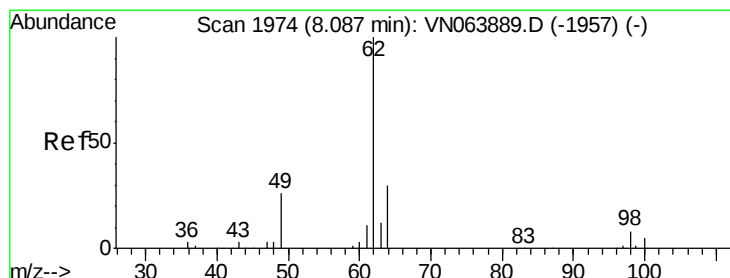
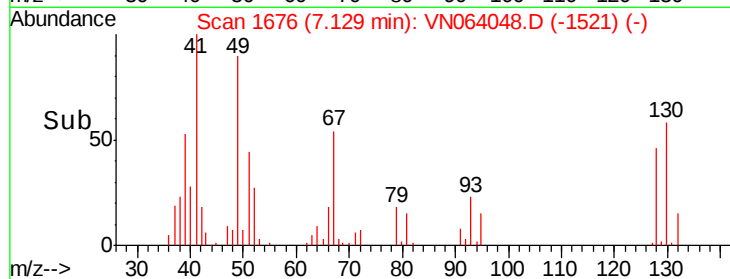
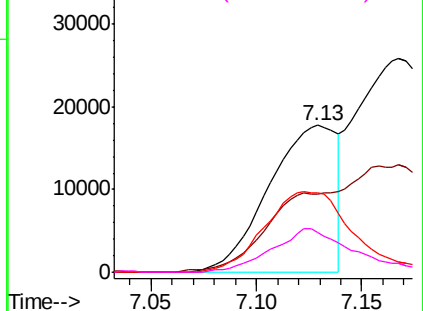
#35
Methacrylonitrile
Concen: 19.135 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	39803
Ion	Ratio	Lower	Upper
41	100		
39	51.5	23.7	71.1
67	53.9	31.6	94.7
52	27.3	13.1	39.3

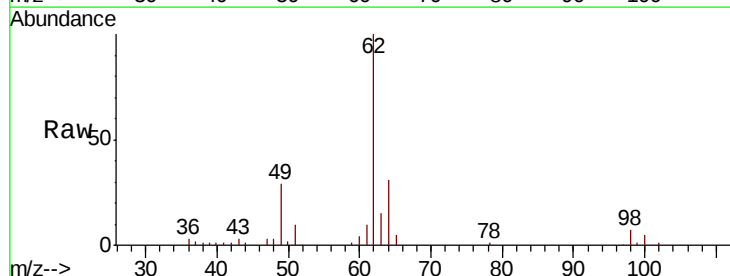


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

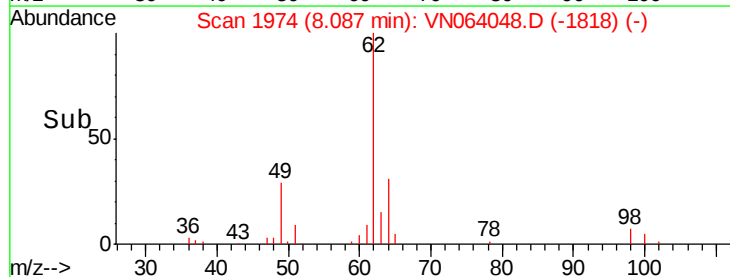
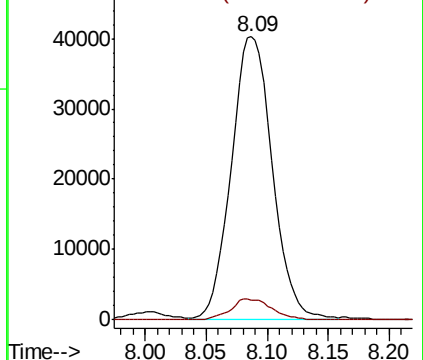


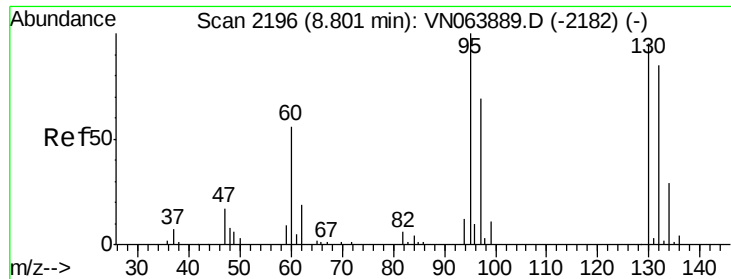
#36
1,2-Dichloroethane
Concen: 16.870 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion:	62	Resp:	94034
Ion	Ratio	Lower	Upper
62	100		
98	4.0	7.6	11.4#



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

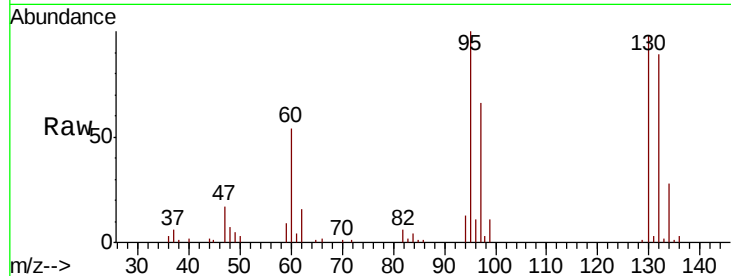




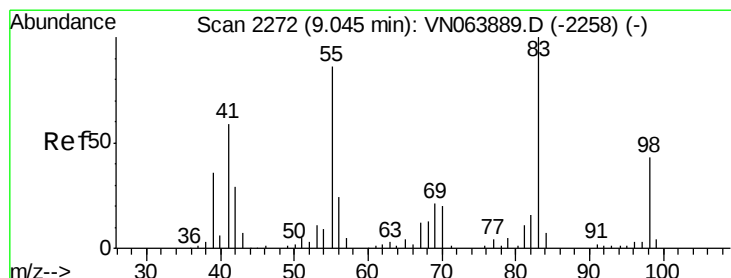
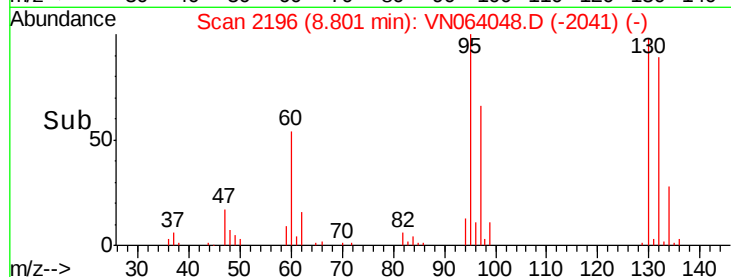
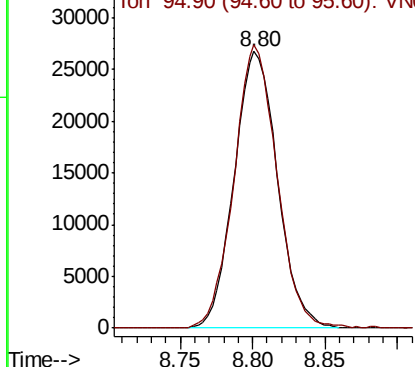
#37
 Trichloroethene
 Concen: 16.706 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 55533
 Ion Ratio Lower Upper
 130 100
 95 102.2 78.9 118.3

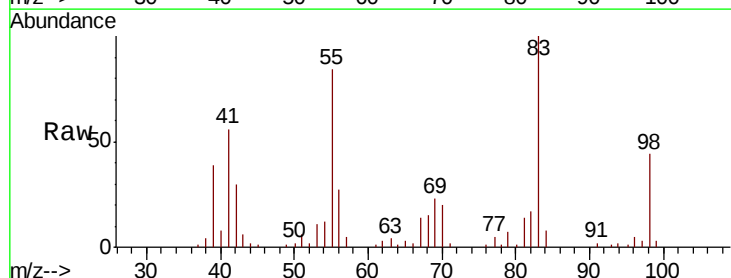


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

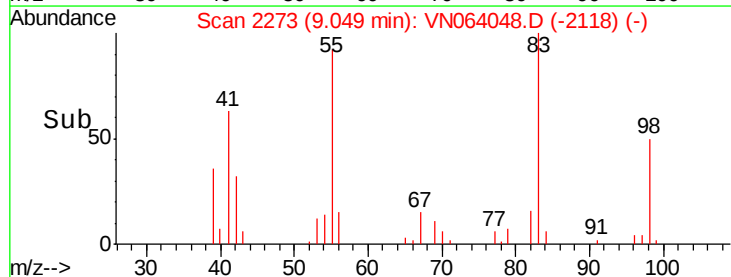
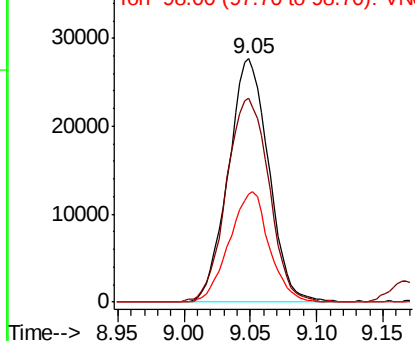


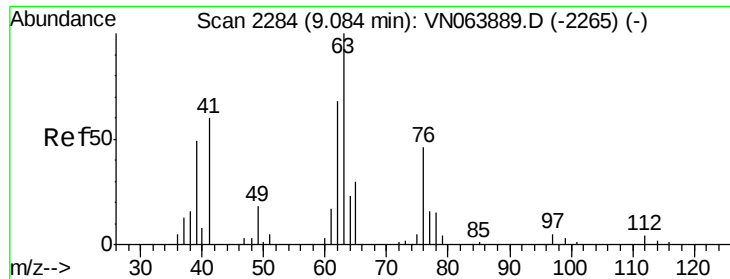
#38
 Methylcyclohexane
 Concen: 15.574 ug/l
 RT: 9.05 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Tgt Ion: 83 Resp: 58675
 Ion Ratio Lower Upper
 83 100
 55 88.3 41.9 125.7
 98 44.6 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

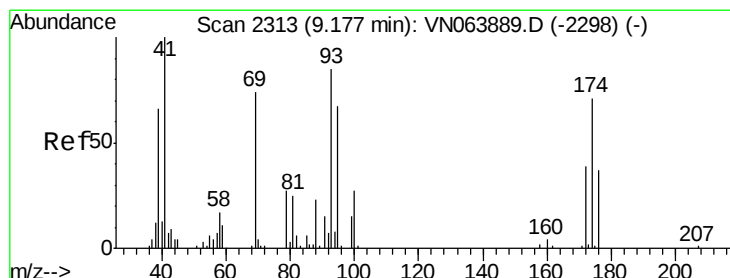
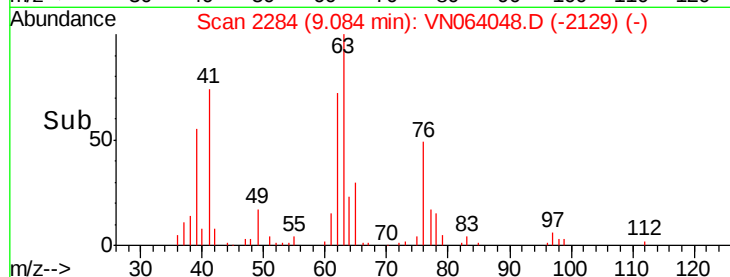
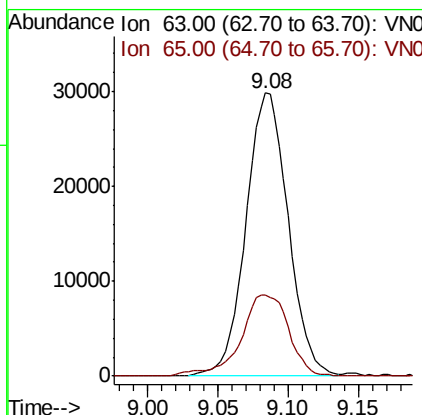
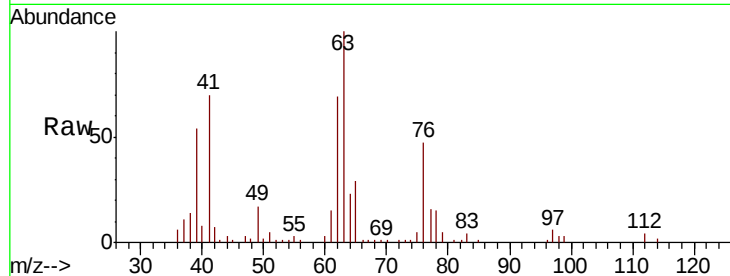




#39
 1,2-Dichloropropane
 Concen: 18.154 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

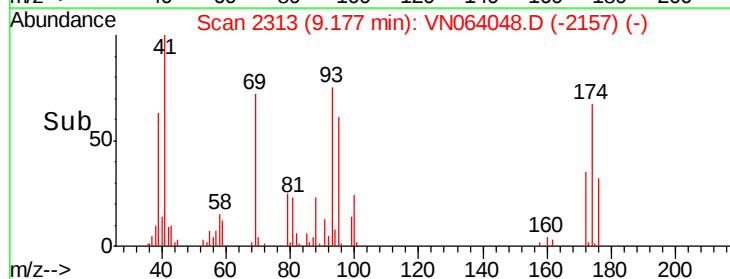
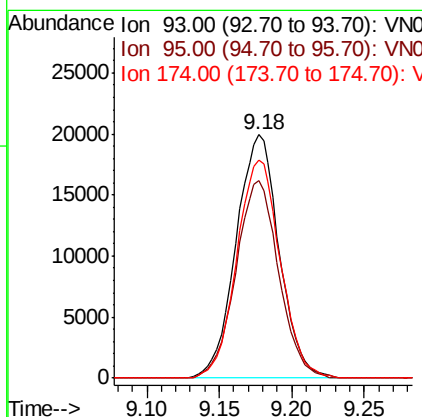
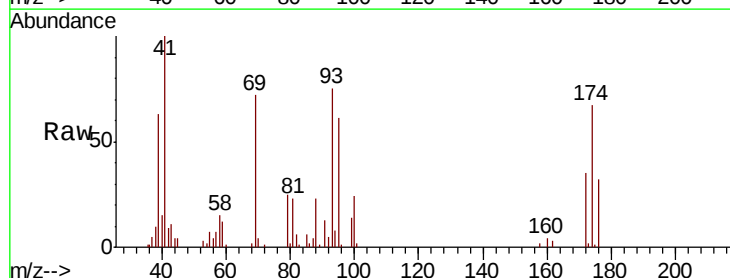
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

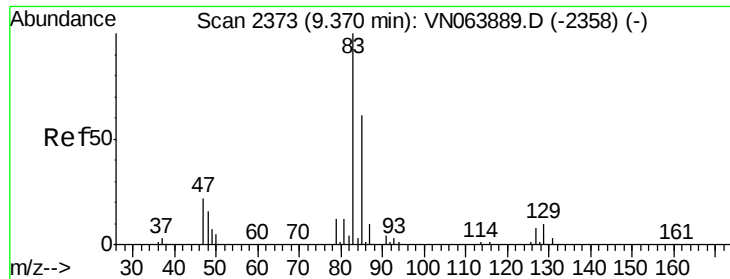
Tot Ion: 63 Resp: 62580
 Ion Ratio Lower Upper
 63 100
 65 28.6 25.1 37.7



#40
 Dibromomethane
 Concen: 17.094 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Tgt Ion: 93 Resp: 41155
 Ion Ratio Lower Upper
 93 100
 95 80.4 0.0 168.2
 174 90.5 0.0 208.4





#41

Bromodichloromethane

Concen: 17.079 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

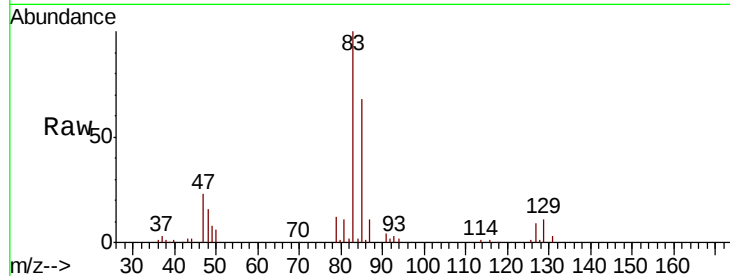
Tot Ion: 83 Resp: 85463

Ion Ratio Lower Upper

83 100

85 67.6 52.6 79.0

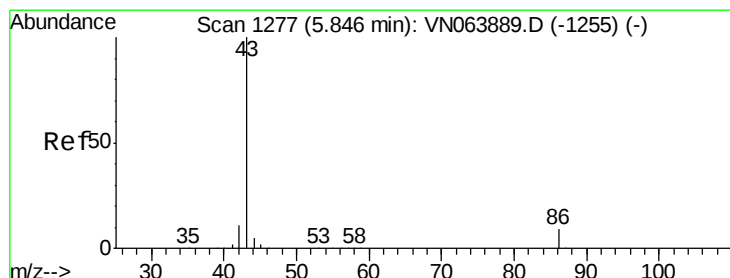
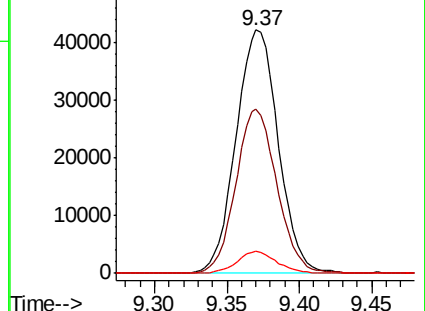
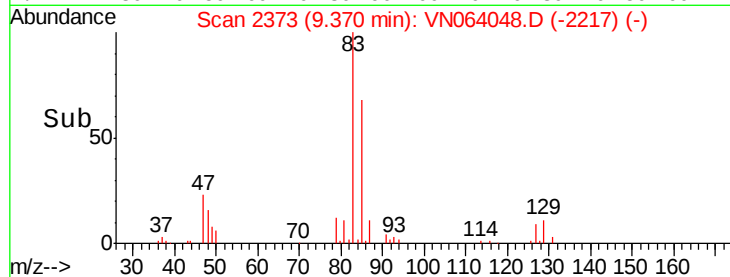
127 10.0 7.4 11.0



Abundance Ion 83.00 (82.70 to 83.70): VN064048.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN064048.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN064048.D (-2217) (-)



#42

Vinyl Acetate

Concen: 88.757 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VN064048.D

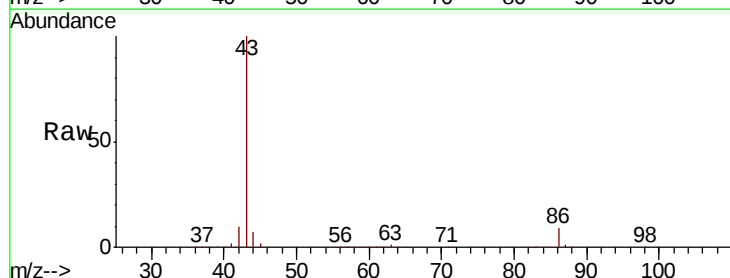
Acq: 9 Oct 2020 19:13

Tgt Ion: 43 Resp: 806193

Ion Ratio Lower Upper

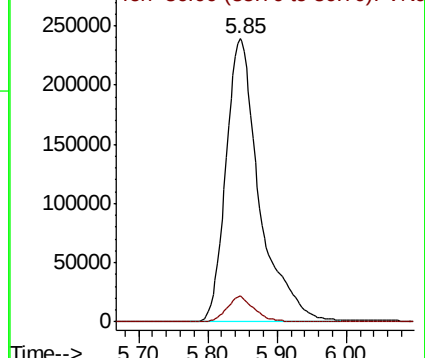
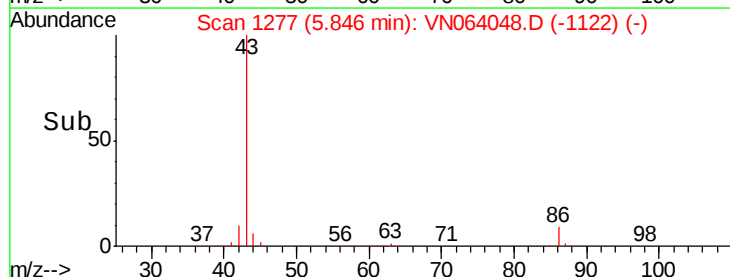
43 100

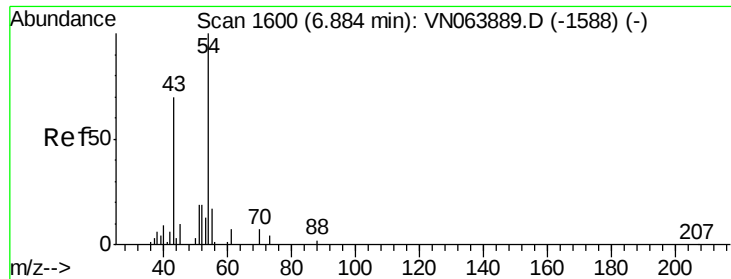
86 7.4 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VN064048.D (-1122) (-)

Ion 86.00 (85.70 to 86.70): VN064048.D (-1122) (-)

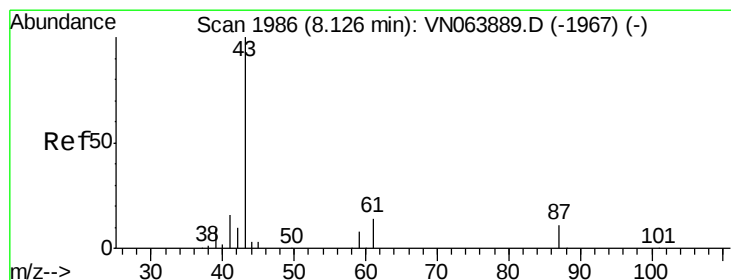
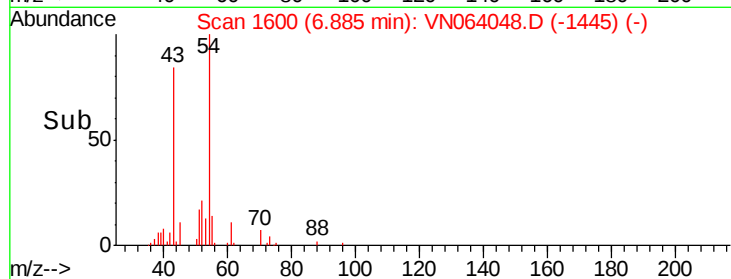
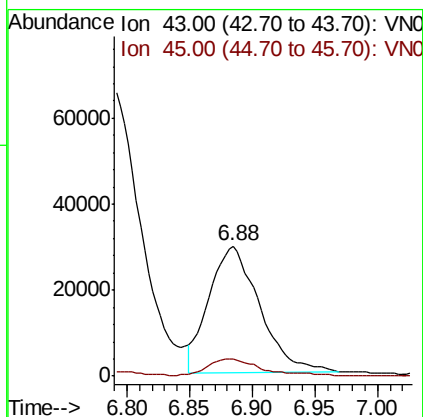
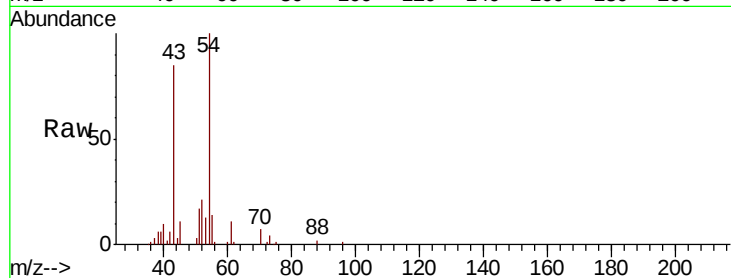




#43
Ethyl Acetate
Concen: 17.578 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

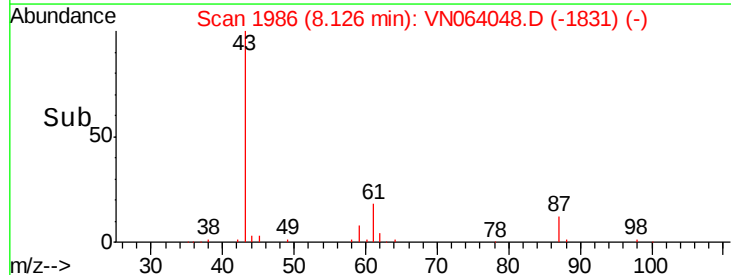
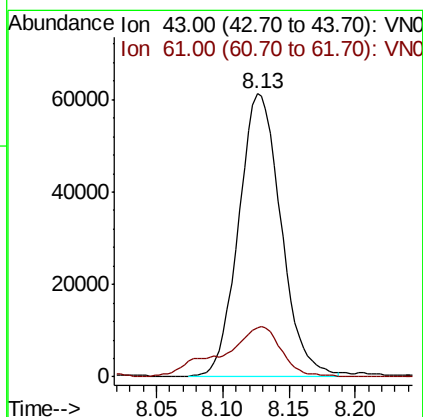
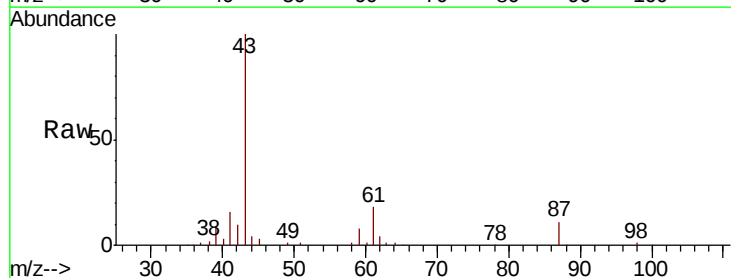
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

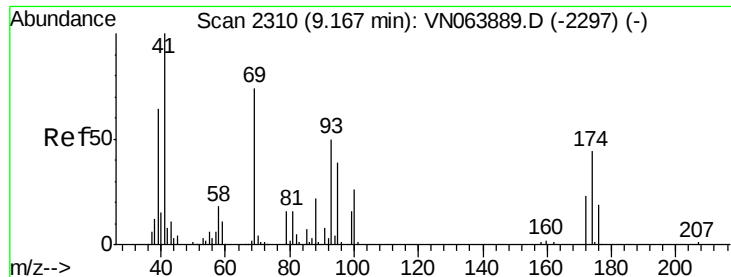
Tot Ion: 43 Resp: 82384
Ion Ratio Lower Upper
43 100
45 14.9 11.3 16.9



#44
Isopropyl Acetate
Concen: 17.602 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion: 43 Resp: 136719
Ion Ratio Lower Upper
43 100
61 17.0 17.5 26.3#

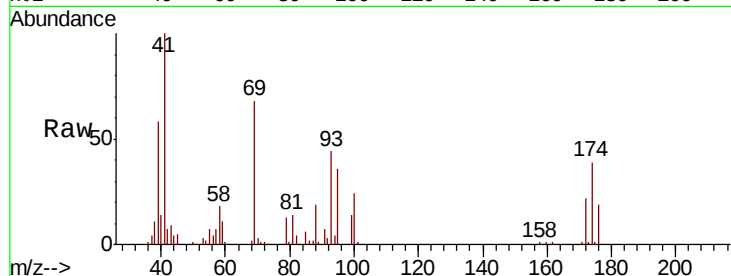




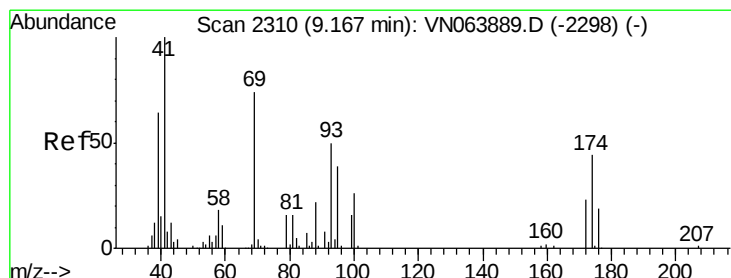
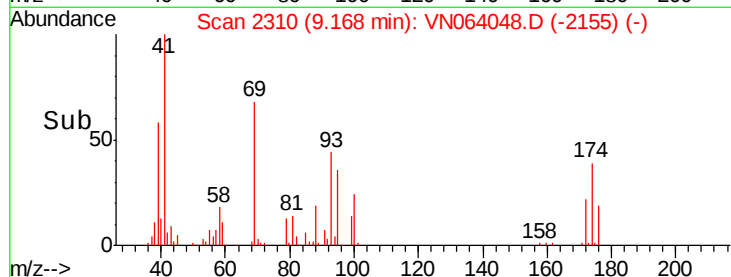
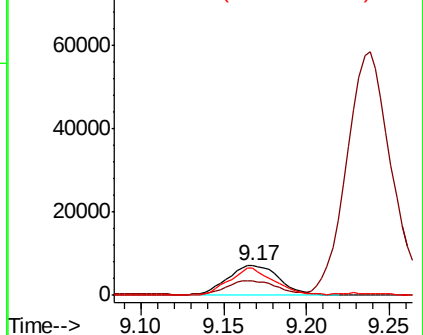
#45
 1,4-Dioxane
 Concen: 318.745 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 88 Resp: 15873
 Ion Ratio Lower Upper
 88 100
 43 42.5 28.5 42.7
 58 77.9 59.6 89.4

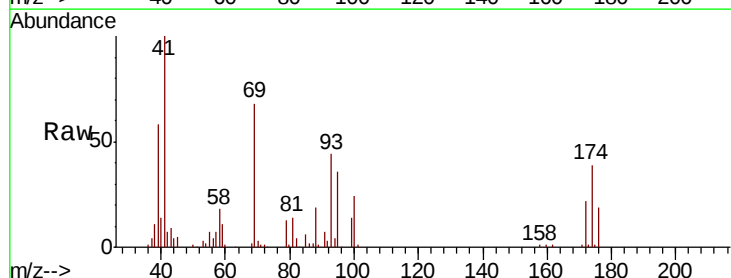


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

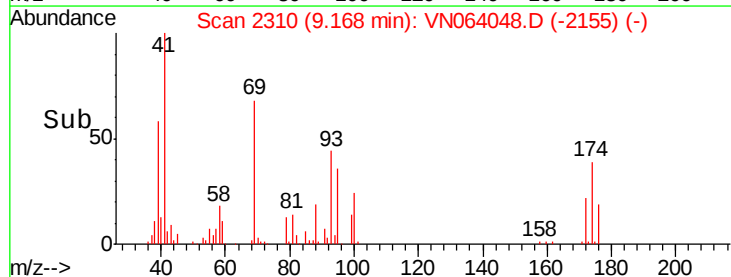
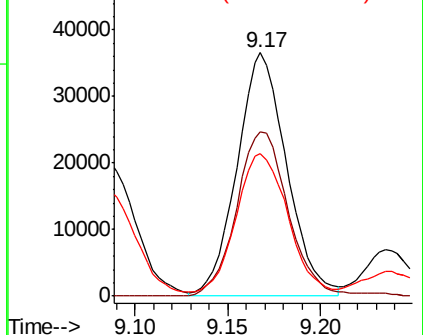


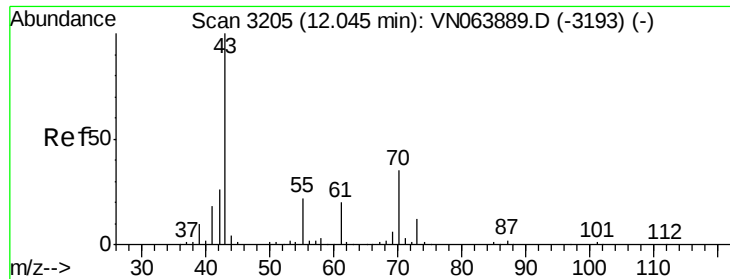
#46
 Methyl methacrylate
 Concen: 17.696 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Tgt Ion: 41 Resp: 68385
 Ion Ratio Lower Upper
 41 100
 69 68.5 42.6 128.0
 39 57.4 25.1 75.4



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





#47

n-amvl Acetate

Concen: 15.452 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

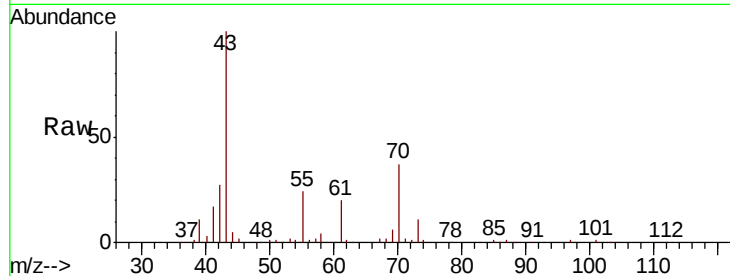
VSTDCCC020EC

Tot Ion: 43 Resp: 106712

Ion Ratio Lower Upper

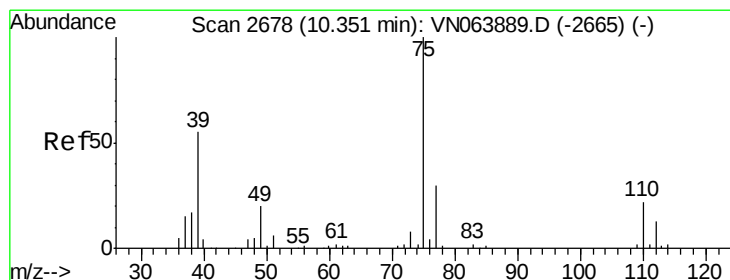
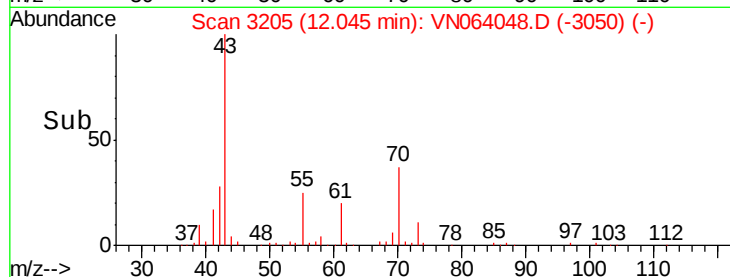
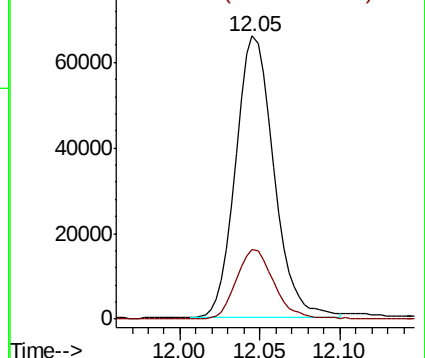
43 100

55 24.5 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: 15.998 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN064048.D

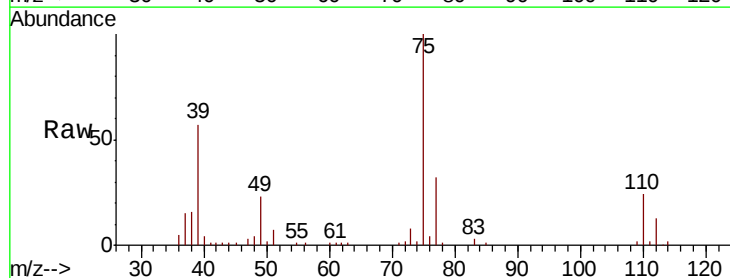
Acq: 9 Oct 2020 19:13

Tgt Ion: 75 Resp: 86505

Ion Ratio Lower Upper

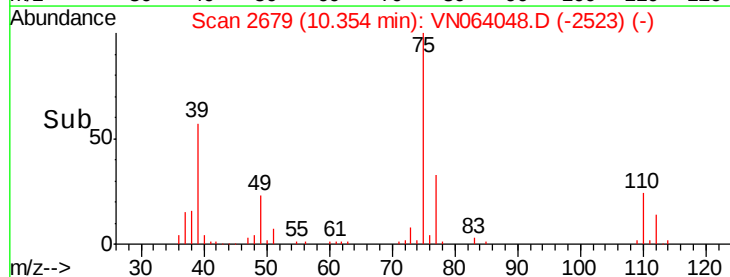
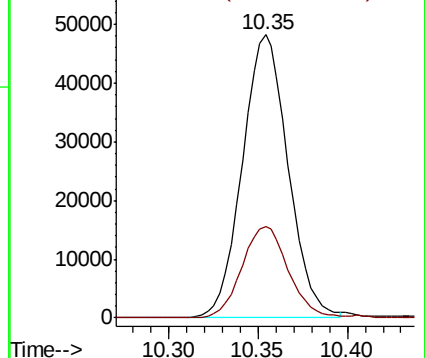
75 100

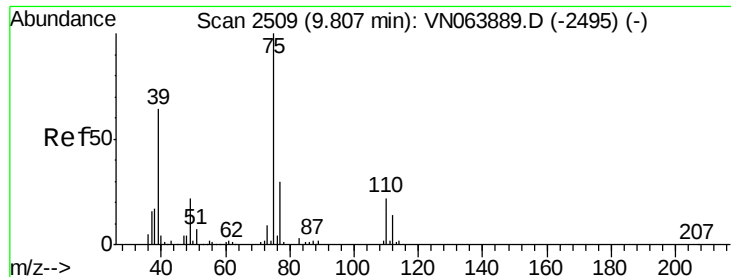
77 32.5 23.8 35.8



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: 16.937 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

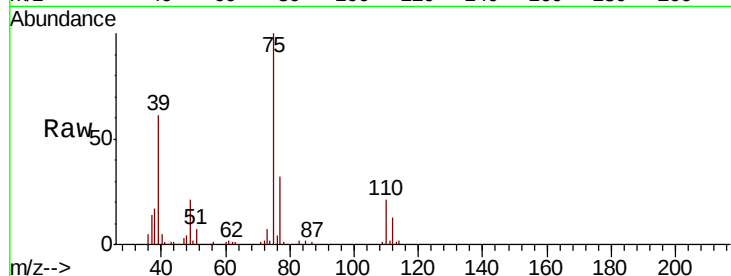
Tot Ion: 75 Resp: 94966

Ion Ratio Lower Upper

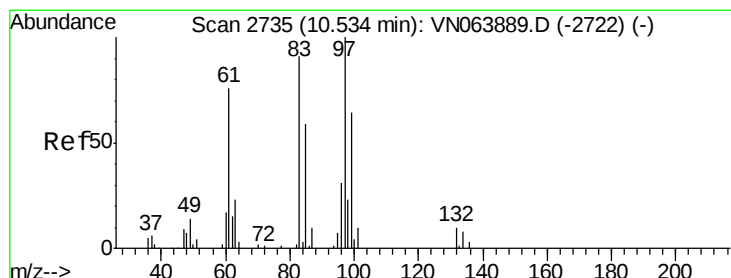
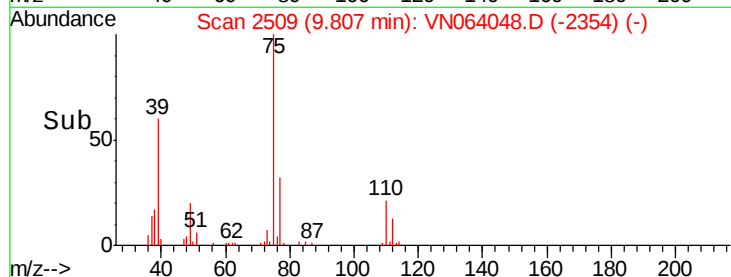
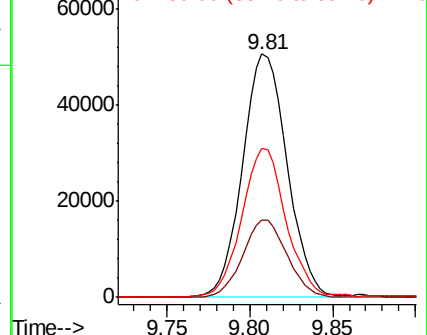
75 100

77 31.9 24.8 37.2

39 60.6 34.5 51.7#



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



#50

1,1,2-Trichloroethane

Concen: 17.814 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Tgt Ion: 97 Resp: 57270

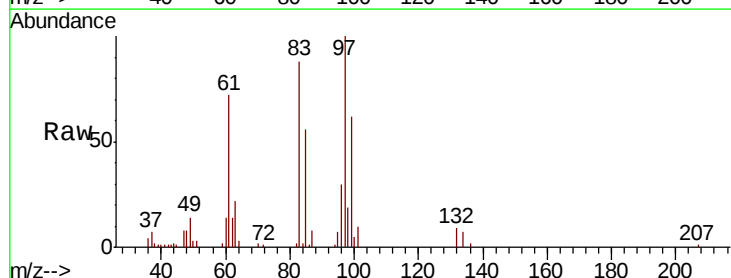
Ion Ratio Lower Upper

97 100

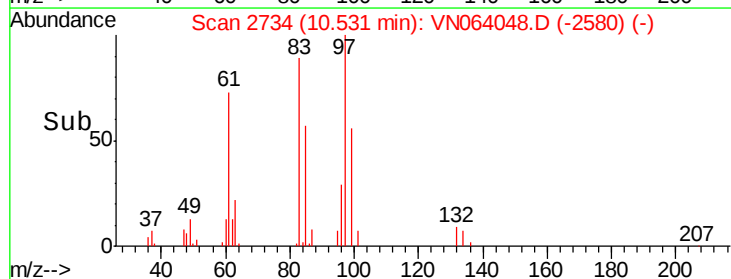
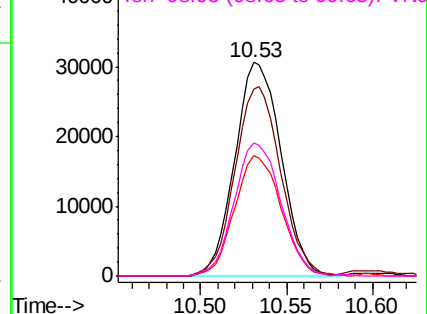
83 87.1 69.9 104.9

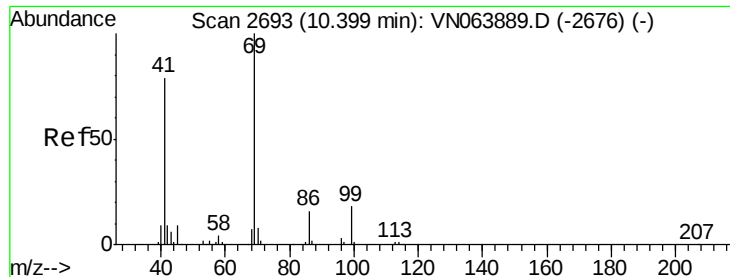
85 55.7 44.0 66.0

99 61.6 50.6 76.0



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





#51

Ethyl methacrylate

Concen: 16.461 ug/l

RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

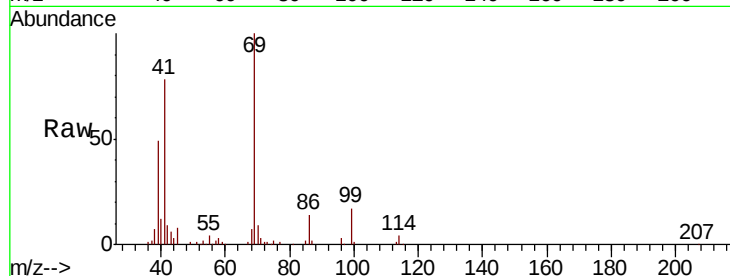
Tot Ion: 69 Resp: 76761

Ion Ratio Lower Upper

69 100

41 77.4 32.1 96.5

39 47.8 16.1 48.3

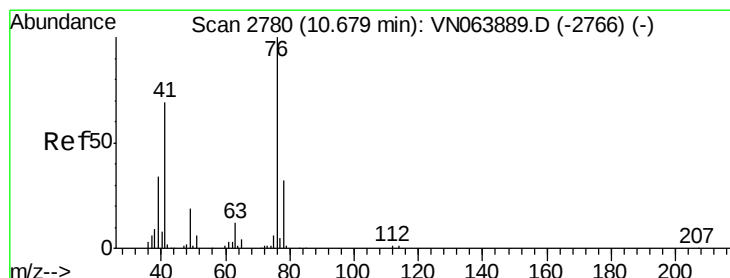
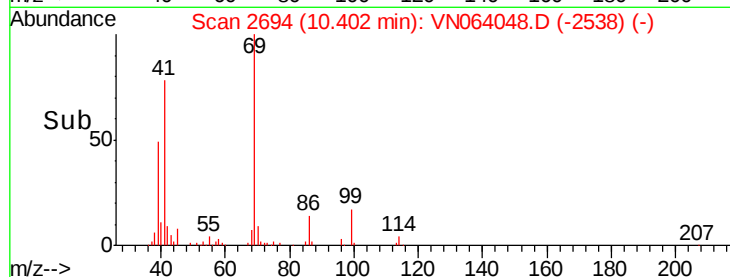
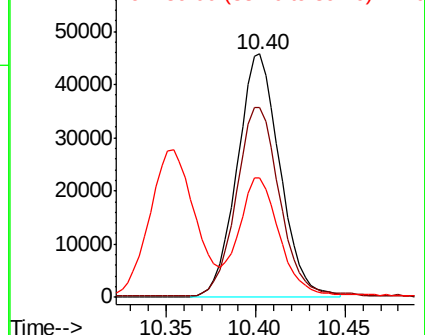


Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 17.544 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. -0.00 min

Lab File: VN064048.D

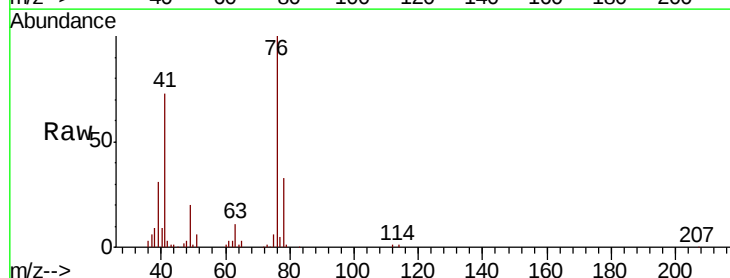
Acq: 9 Oct 2020 19:13

Tgt Ion: 76 Resp: 96613

Ion Ratio Lower Upper

76 100

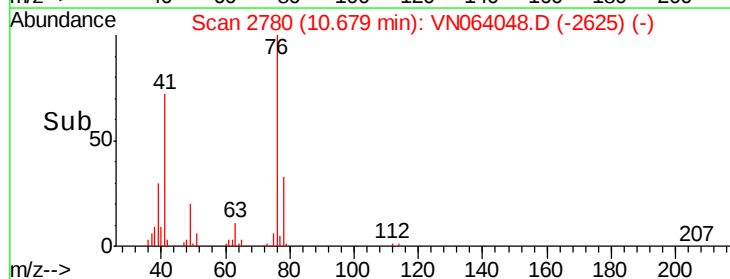
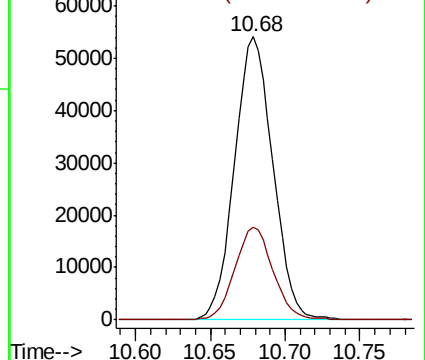
78 32.6 0.0 63.2

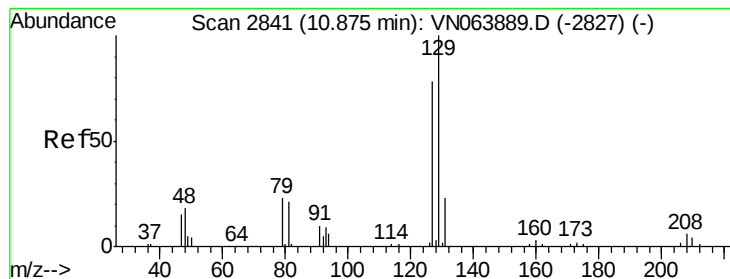


Abundance

Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 16.717 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

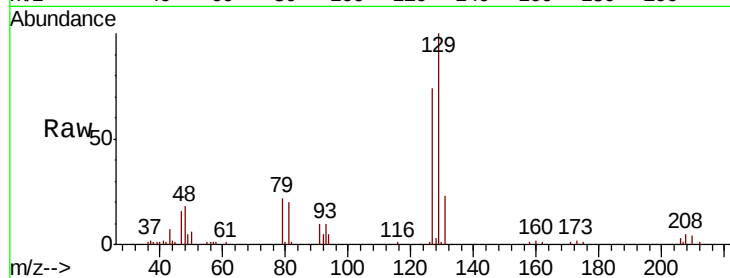
VSTDCCC020EC

Tot Ion:129 Resp: 61853

Ion Ratio Lower Upper

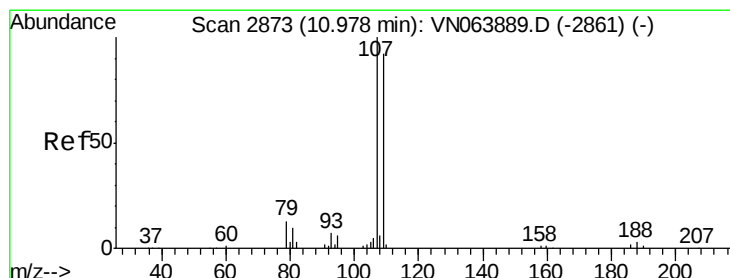
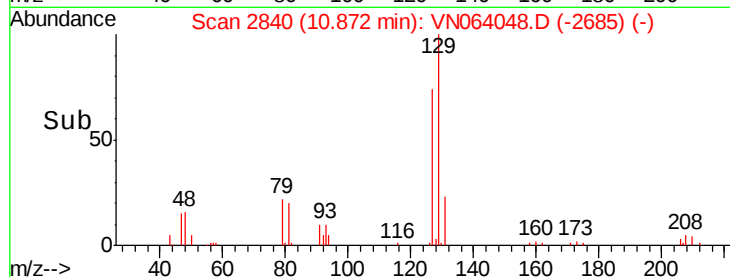
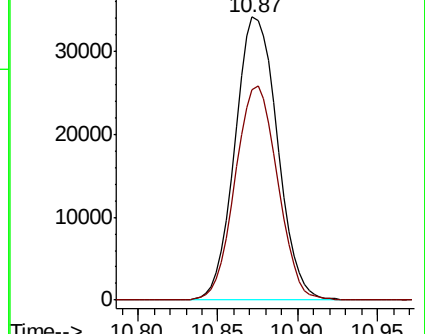
129 100

127 75.7 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 17.421 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN064048.D

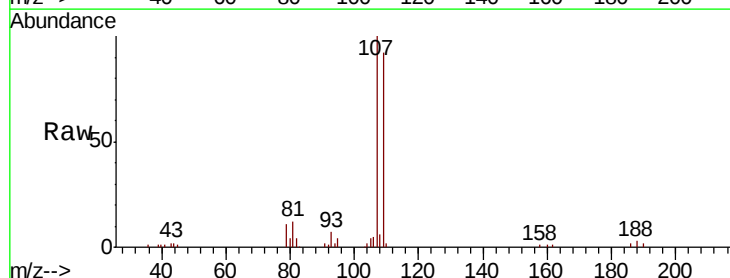
Acq: 9 Oct 2020 19:13

Tgt Ion:107 Resp: 58719

Ion Ratio Lower Upper

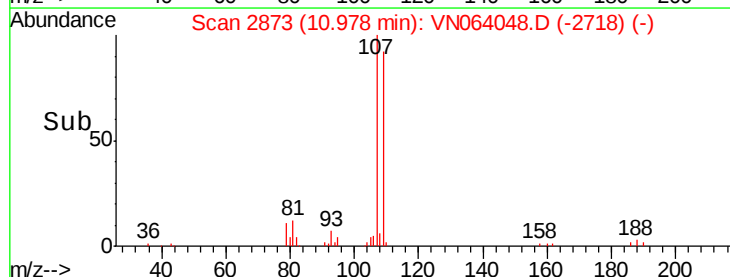
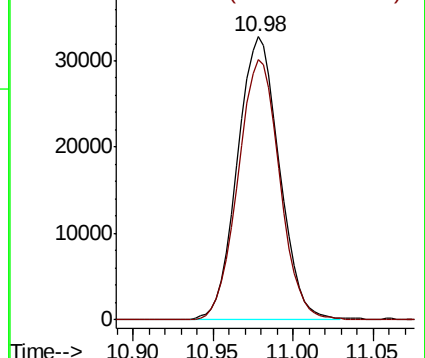
107 100

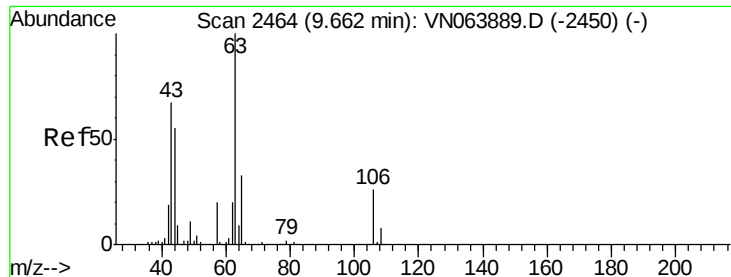
109 91.2 76.3 114.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

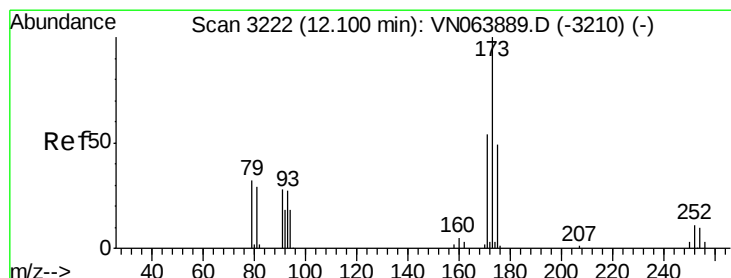
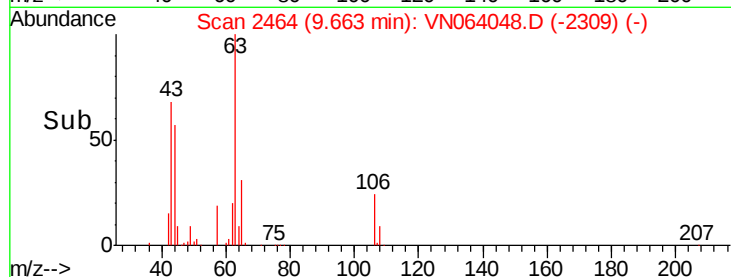
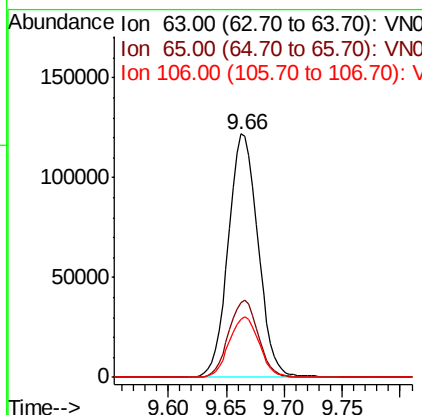
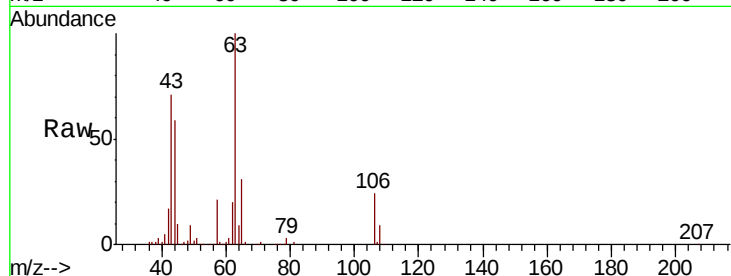




#55
2-Chloroethyl vinyl ether
Concen: 87.322 ug/l
RT: 9.66 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

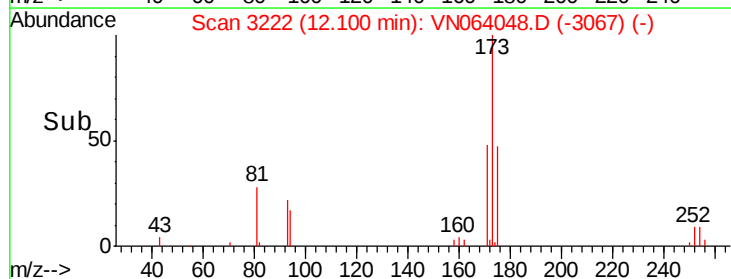
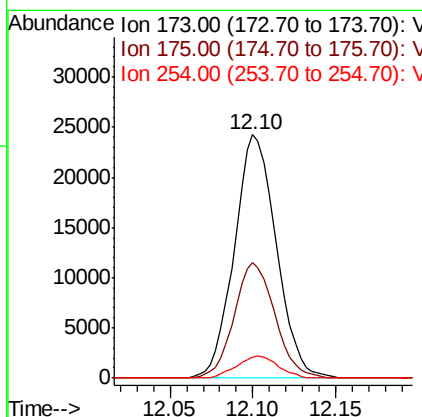
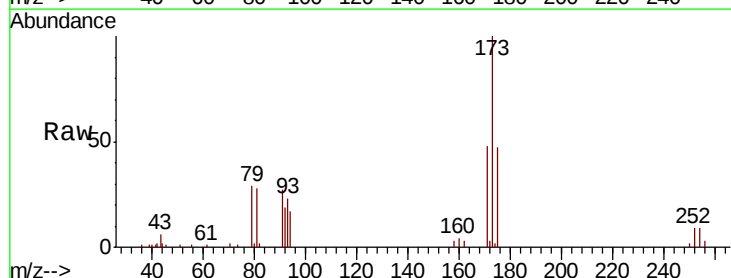
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

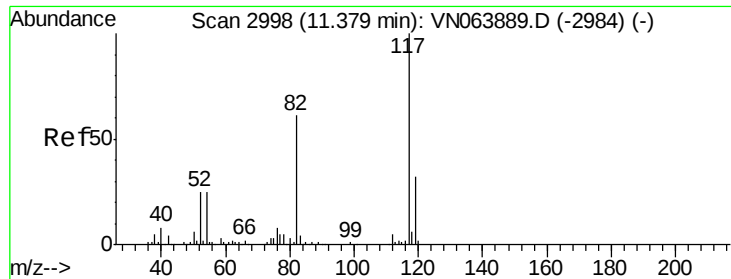
Tot Ion: 63 Resp: 217290
Ion Ratio Lower Upper
63 100
65 31.6 25.9 38.9
106 25.0 19.9 29.9



#56
Bromoform
Concen: 16.646 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion: 173 Resp: 42678
Ion Ratio Lower Upper
173 100
175 46.0 41.2 61.8
254 8.9 9.0 13.4#

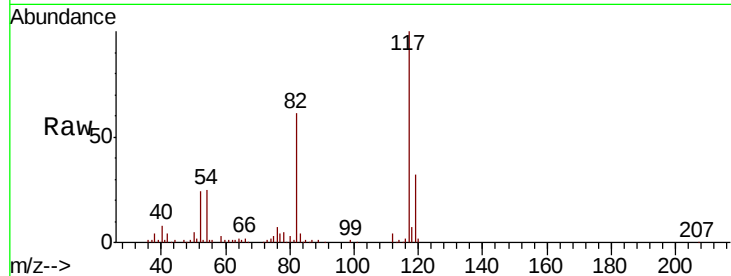




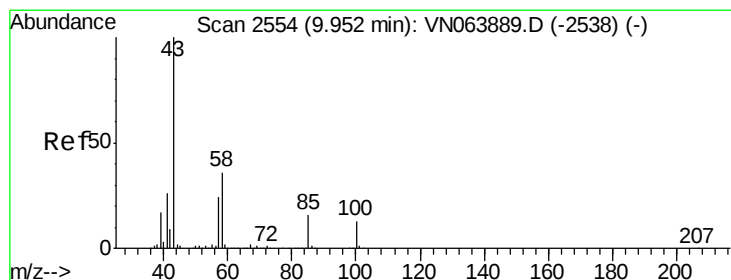
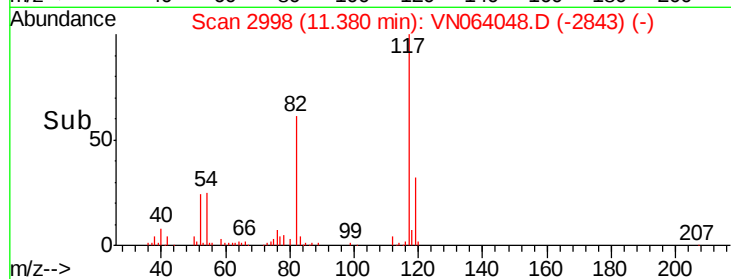
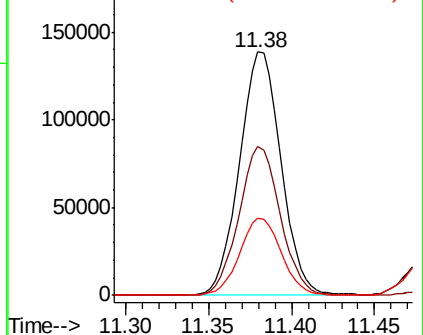
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.8	44.9	67.3
119	31.8	26.0	39.0

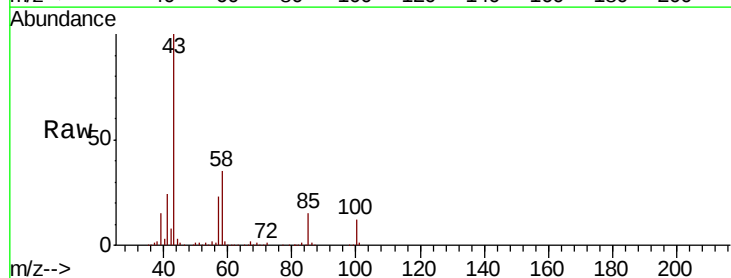


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

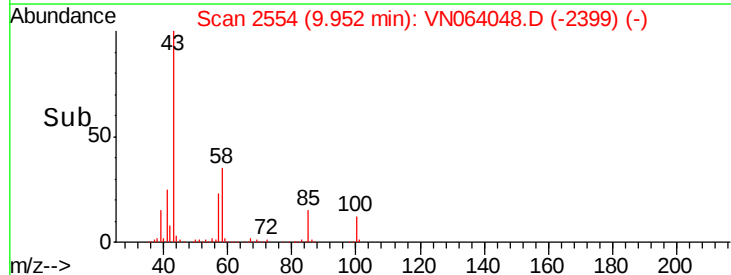
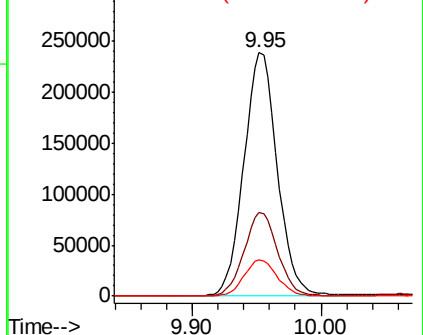


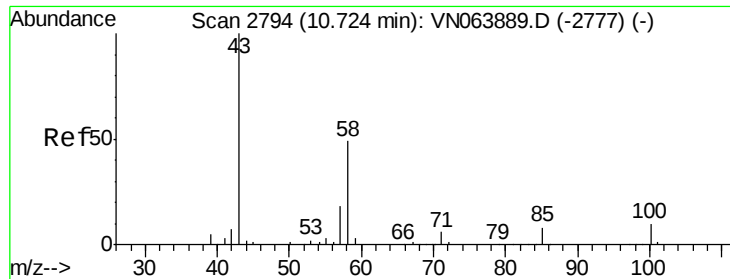
#58
4-Methyl-2-Pentanone
Concen: 91.782 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.6	31.4	47.0
85	14.9	13.4	20.2



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

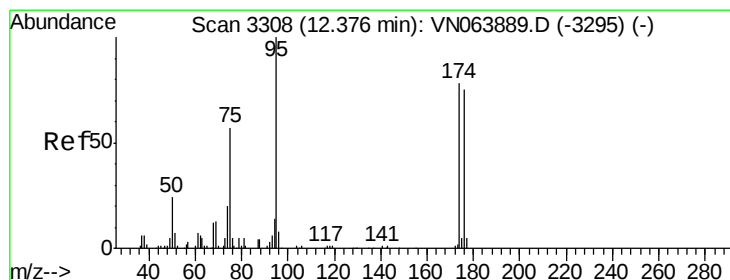
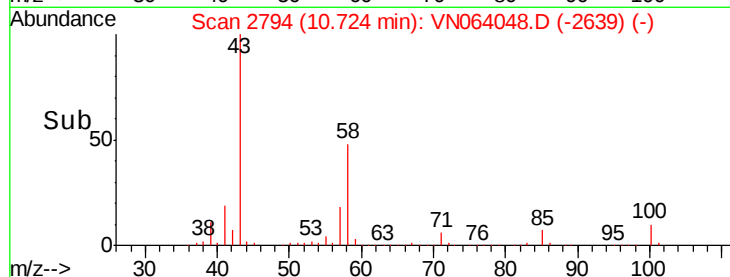
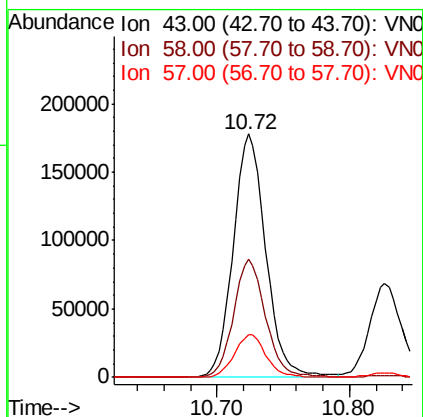
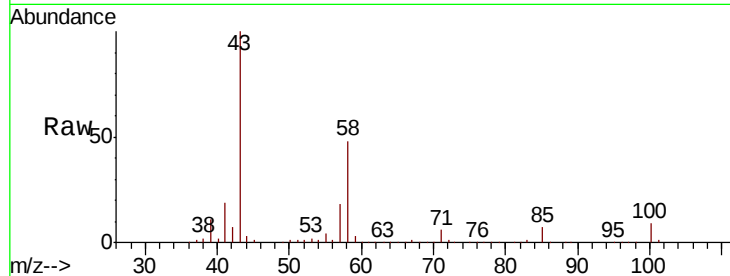




#59
2-Hexanone
Concen: 86.340 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

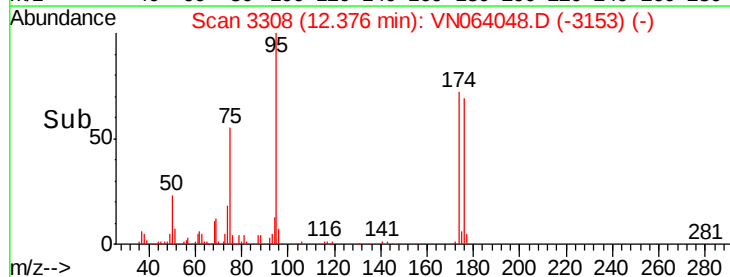
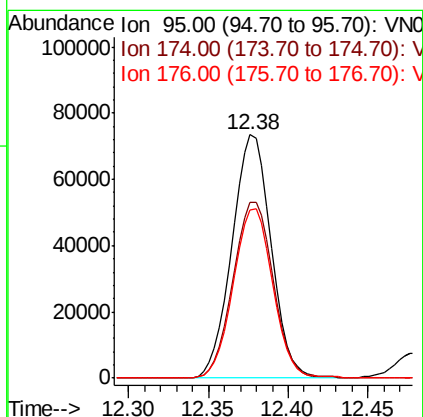
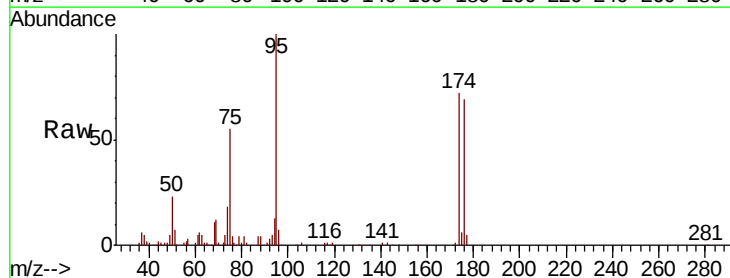
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

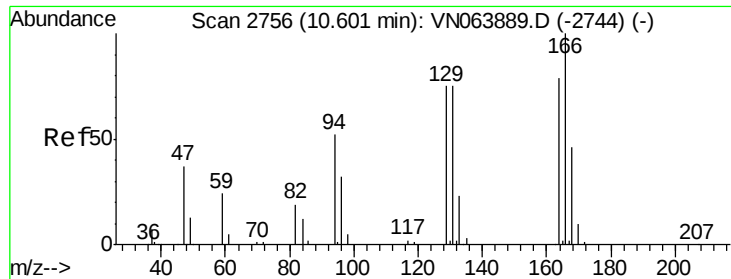
Tot Ion: 43 Resp: 301747
Ion Ratio Lower Upper
43 100
58 47.9 42.6 64.0
57 17.4 14.6 21.8



#60
4-Bromofluorobenzene
Concen: 29.596 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion: 95 Resp: 122363
Ion Ratio Lower Upper
95 100
174 73.9 70.1 105.1
176 70.4 66.8 100.2

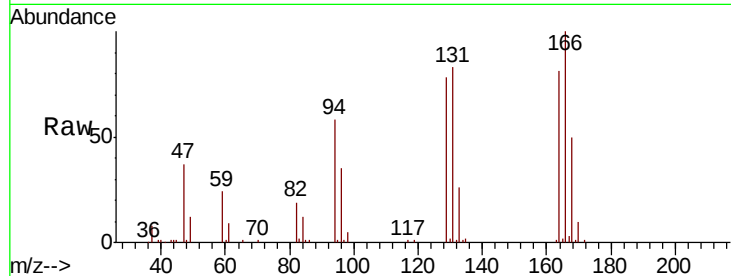




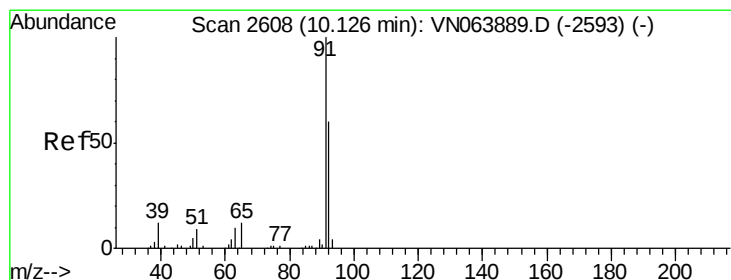
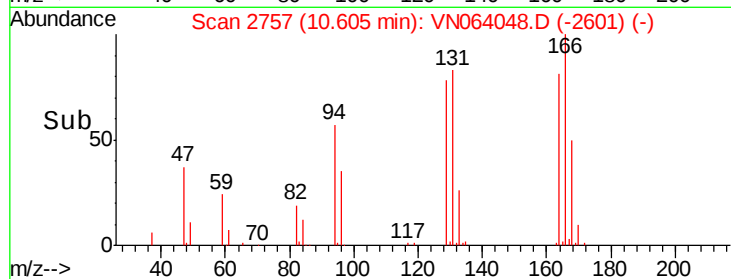
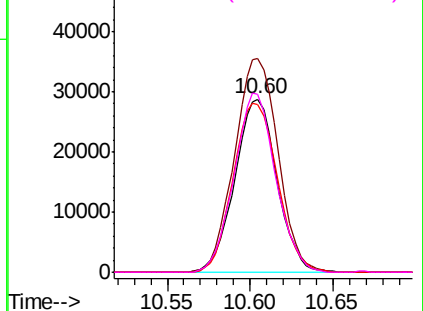
#61
Tetrachloroethene
Concen: 16.566 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:164 Resp: 50809
Ion Ratio Lower Upper
164 100
166 123.5 100.1 150.1
129 96.7 72.5 108.7
131 102.5 68.4 102.6

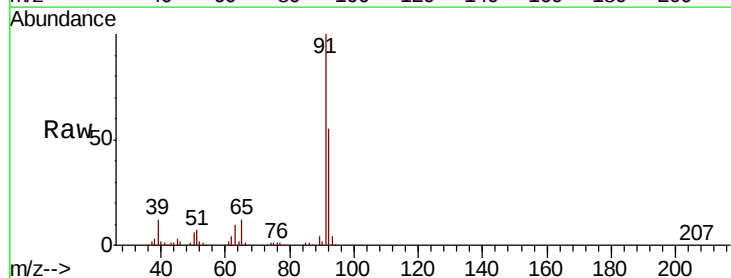


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

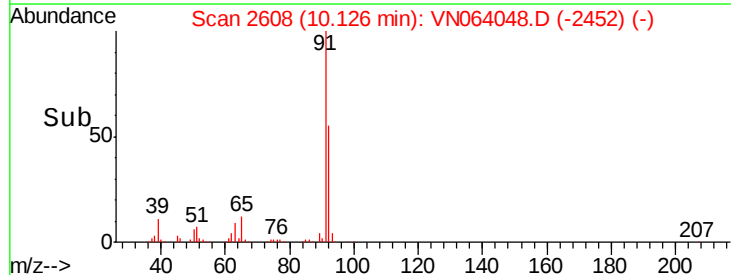
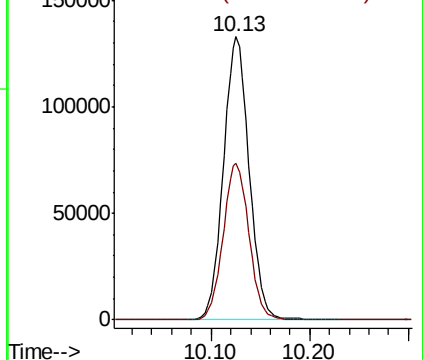


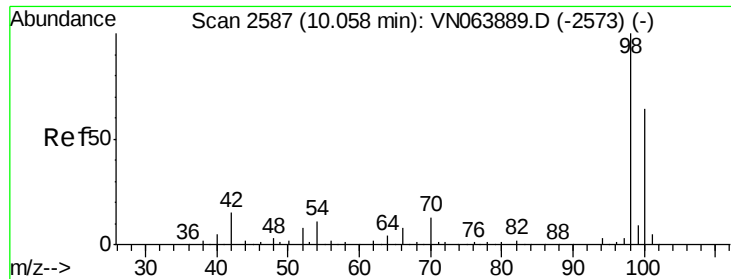
#62
Toluene
Concen: 17.502 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion: 91 Resp: 243019
Ion Ratio Lower Upper
91 100
92 55.3 45.5 68.3



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





#63

Toluene-d8

Concen: 31.185 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

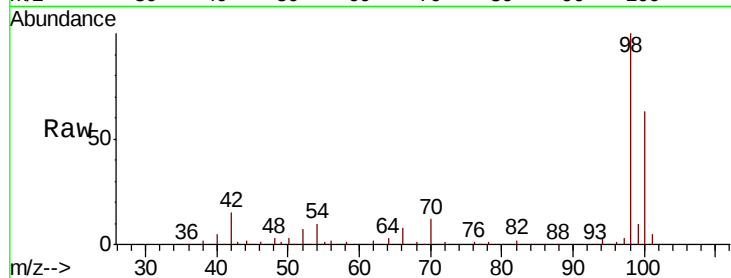
VSTDCCC020EC

Tot Ion: 98 Resp: 341675

Ion Ratio Lower Upper

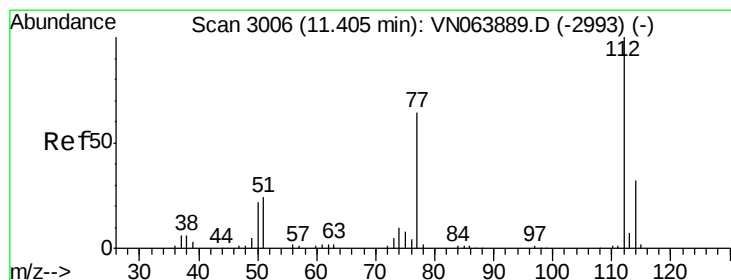
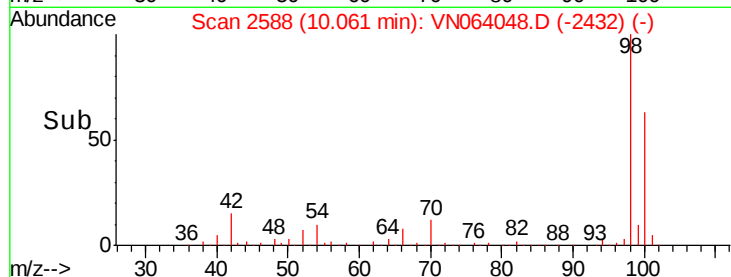
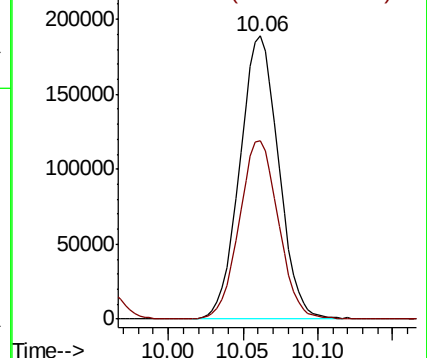
98 100

100 63.5 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#64

Chlorobenzene

Concen: 16.702 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VN064048.D

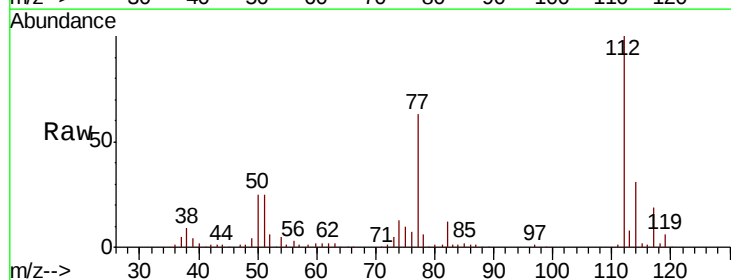
Acq: 9 Oct 2020 19:13

Tgt Ion: 112 Resp: 140560

Ion Ratio Lower Upper

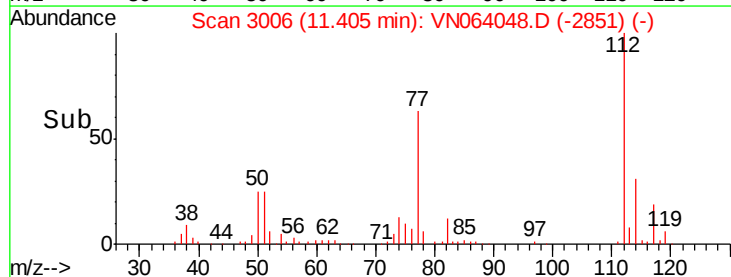
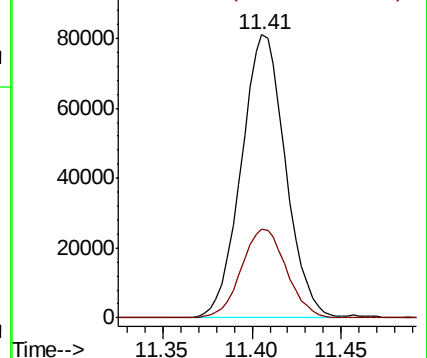
112 100

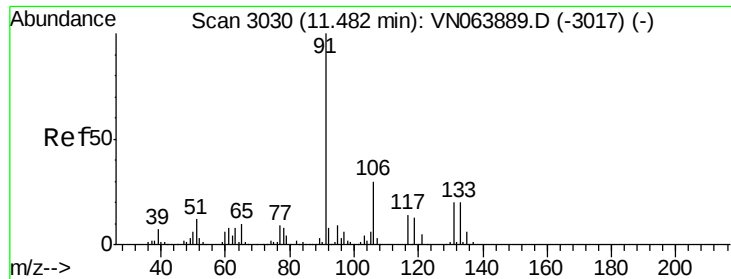
114 31.4 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 17.189 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

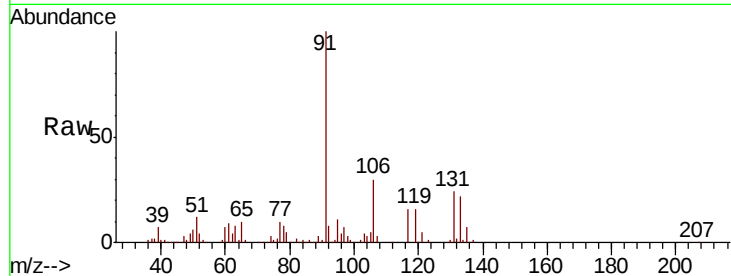
Tot Ion:131 Resp: 56578

Ion Ratio Lower Upper

131 100

133 93.2 0.0 191.2

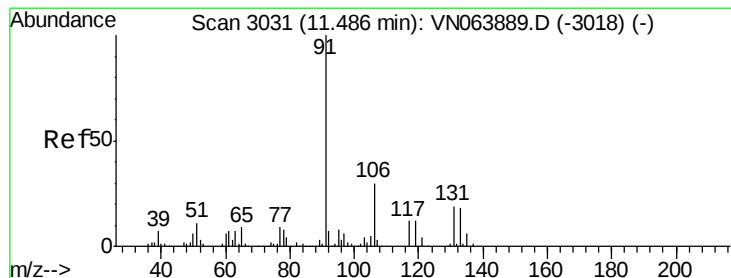
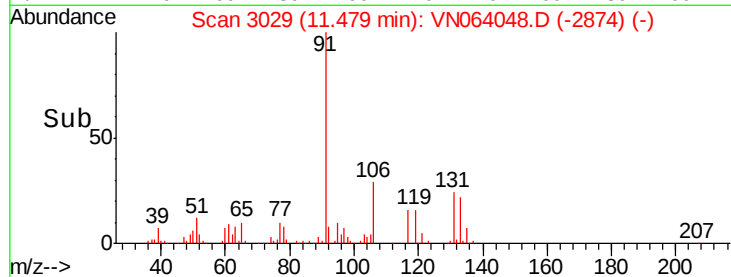
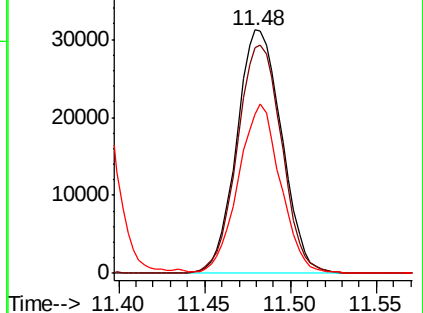
119 65.3 0.0 134.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 16.248 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VN064048.D

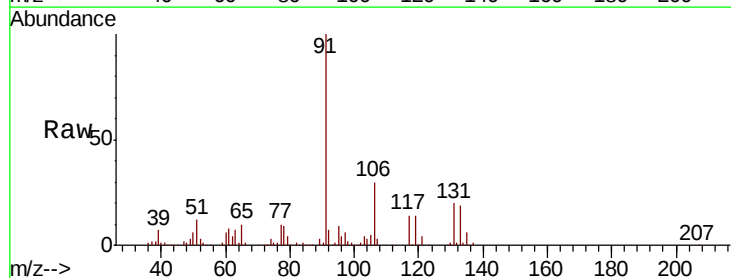
Acq: 9 Oct 2020 19:13

Tgt Ion: 91 Resp: 247751

Ion Ratio Lower Upper

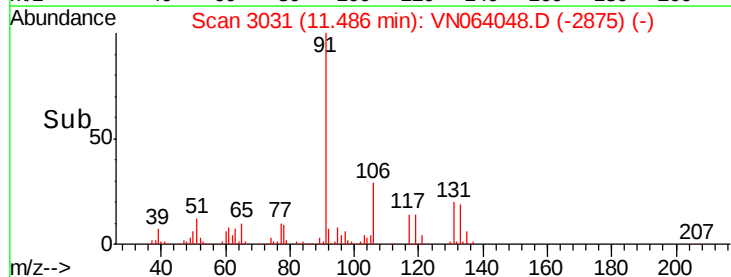
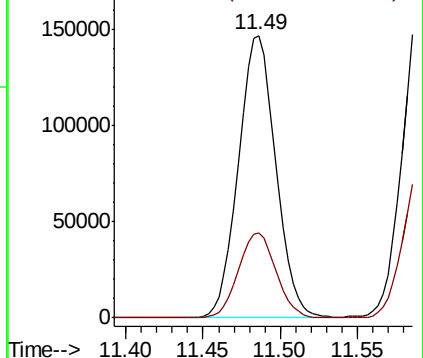
91 100

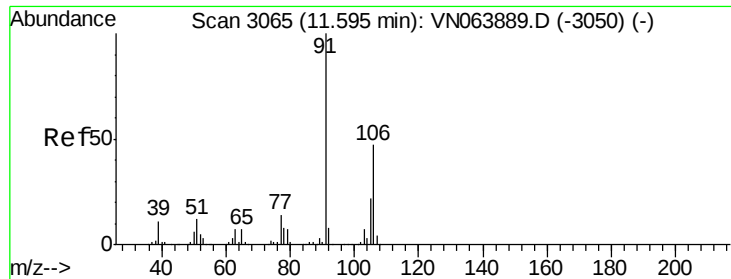
106 30.2 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

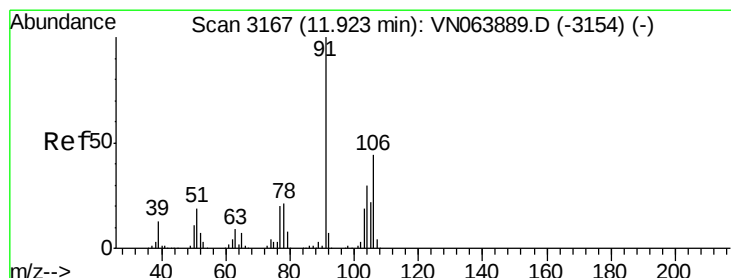
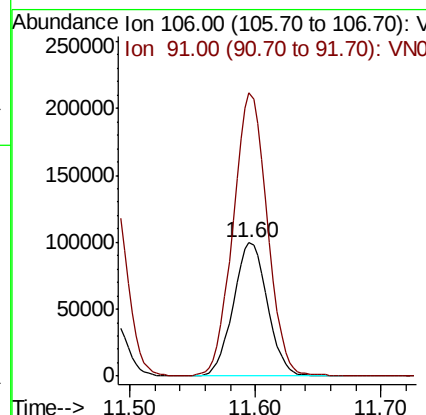
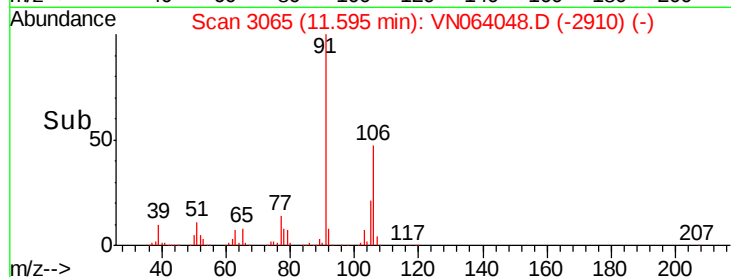
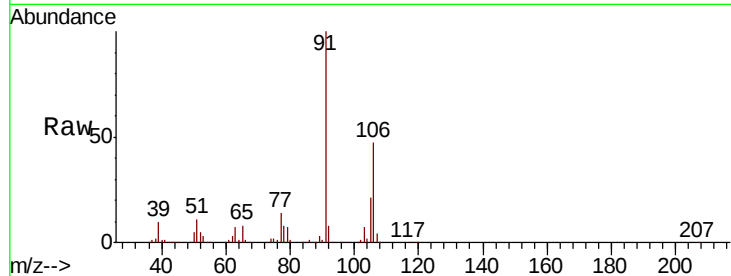




#67
m/p-Xylenes
Concen: 33.257 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

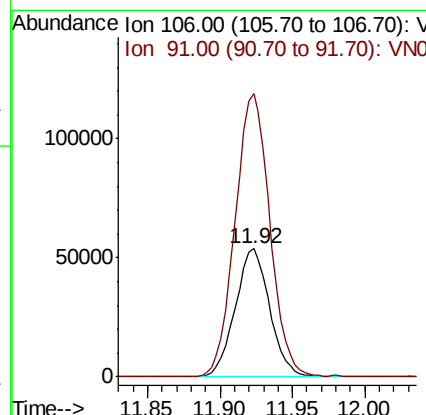
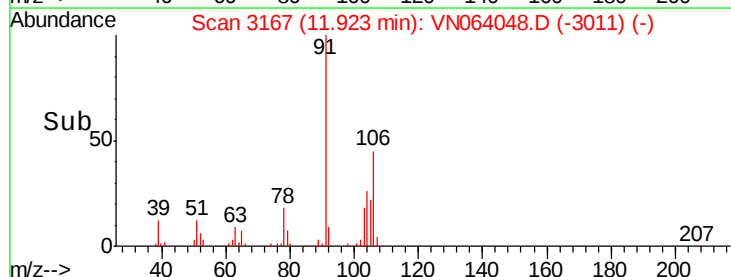
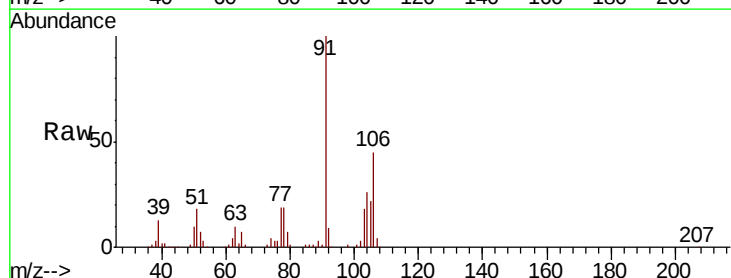
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

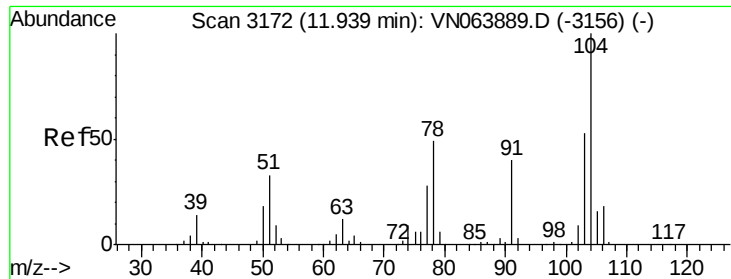
Tot Ion:106 Resp: 188572
Ion Ratio Lower Upper
106 100
91 210.9 164.9 247.3



#68
o-Xylene
Concen: 16.405 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion:106 Resp: 88624
Ion Ratio Lower Upper
106 100
91 223.7 108.0 324.0

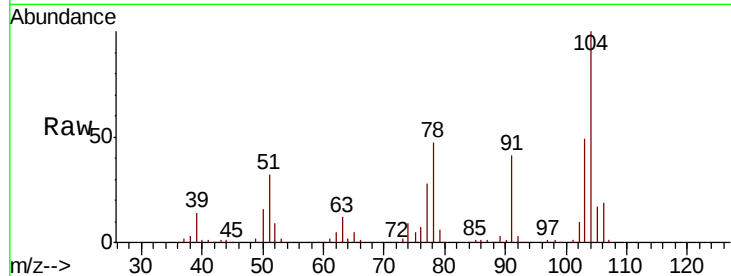




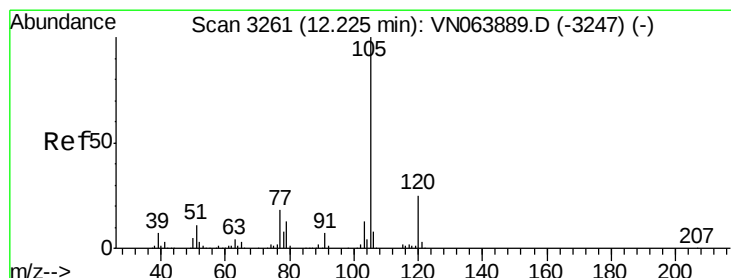
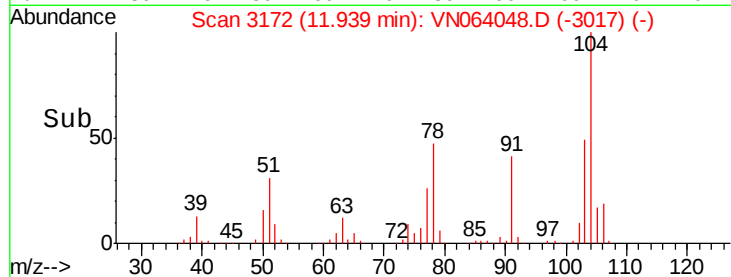
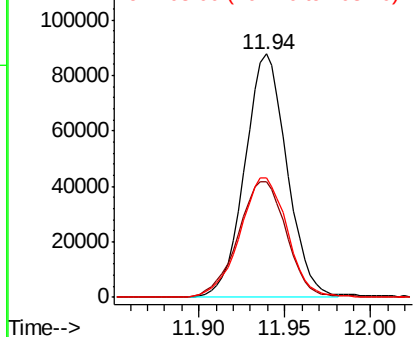
#69
Stvrene
Concen: 16.262 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:104 Resp: 149900
Ion Ratio Lower Upper
104 100
78 54.7 39.6 59.4
103 55.4 44.4 66.6

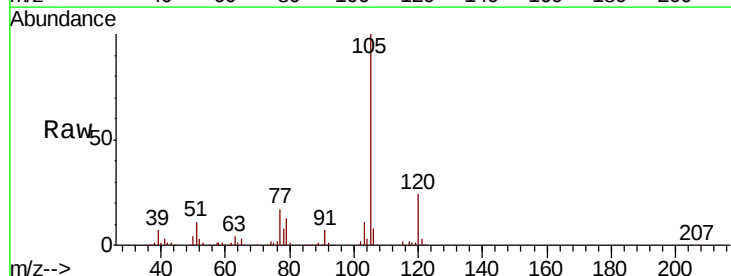


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

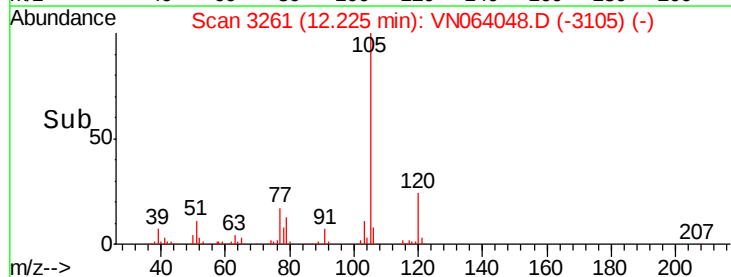
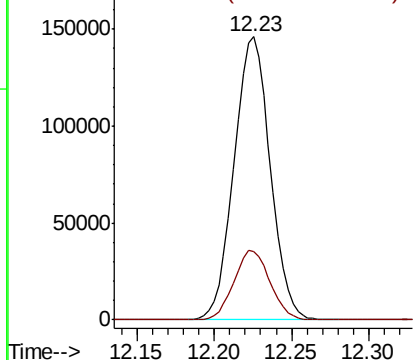


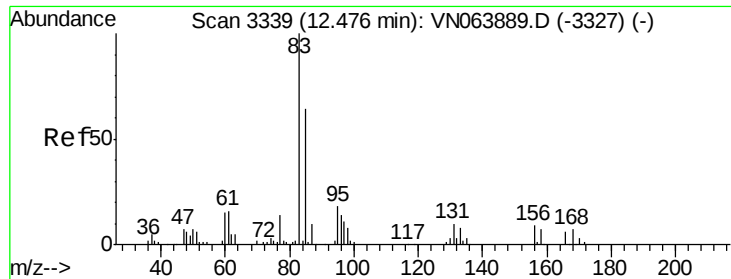
#70
Isopropylbenzene
Concen: 16.522 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion:105 Resp: 237172
Ion Ratio Lower Upper
105 100
120 24.6 18.5 34.3



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

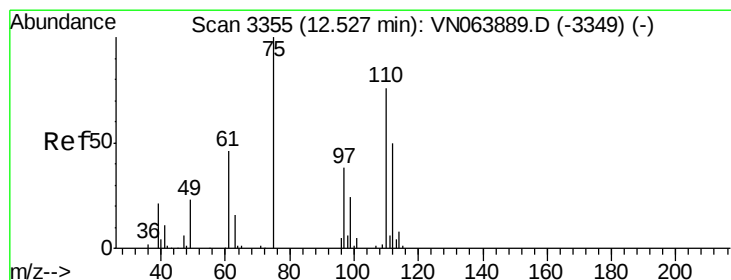
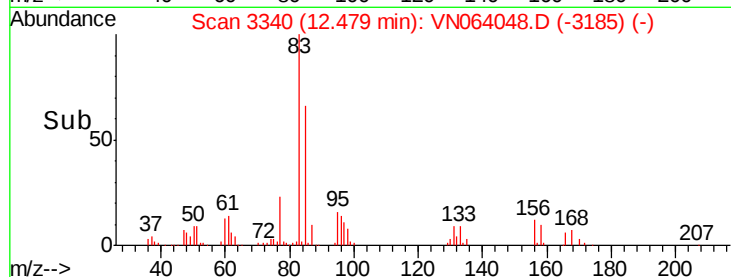
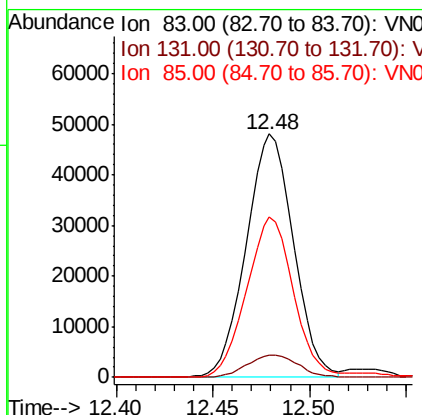
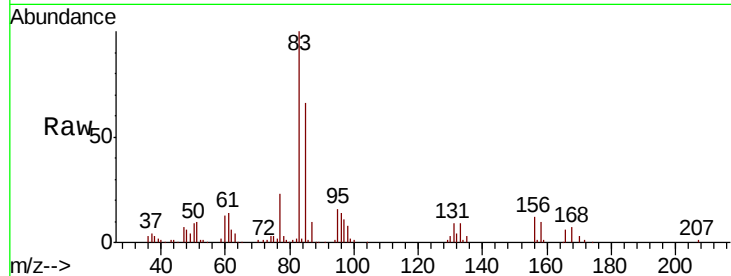




#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.046 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. -0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

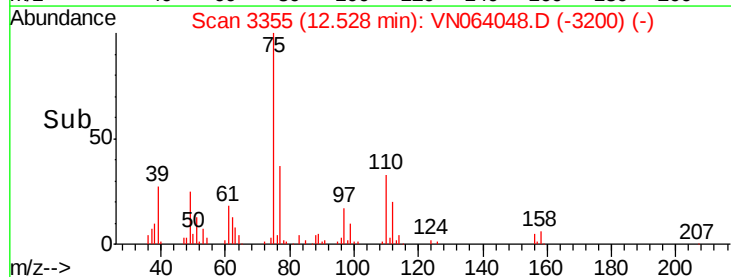
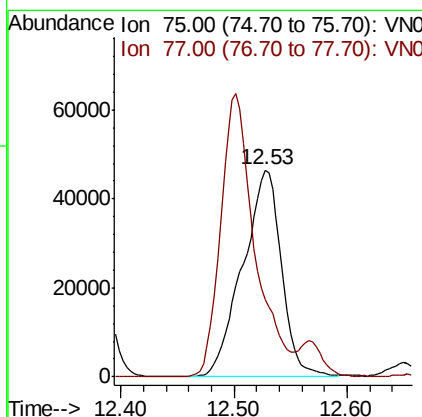
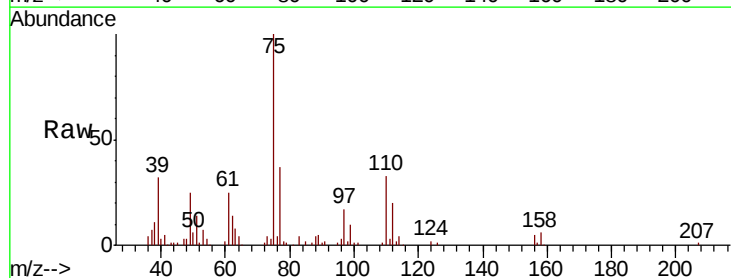
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

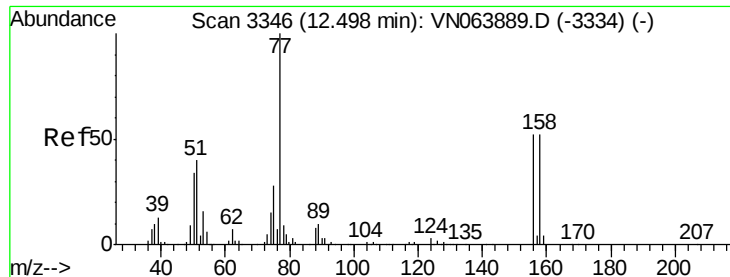
Tot Ion: 83 Resp: 81883
 Ion Ratio Lower Upper
 83 100
 131 9.8 4.5 13.7
 85 64.8 31.8 95.3



#72
 1,2,3-Trichloropropane
 Concen: 24.066 ug/l
 RT: 12.53 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Tgt Ion: 75 Resp: 111350
 Ion Ratio Lower Upper
 75 100
 77 120.2 0.0 387.8





#73

Bromobenzene

Concen: 16.054 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

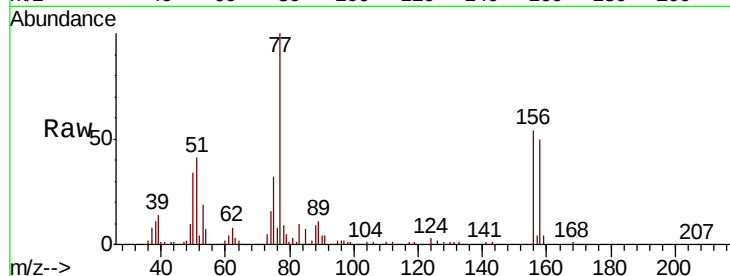
Tot Ion:156 Resp: 58412

Ion Ratio Lower Upper

156 100

77 229.1 0.0 398.6

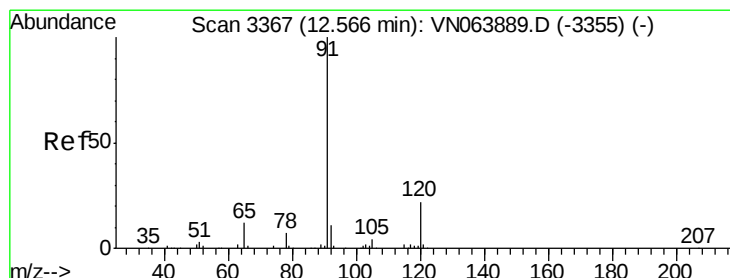
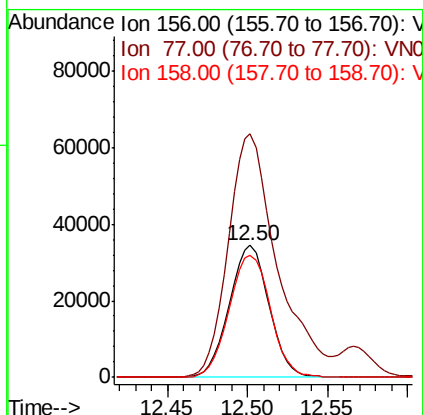
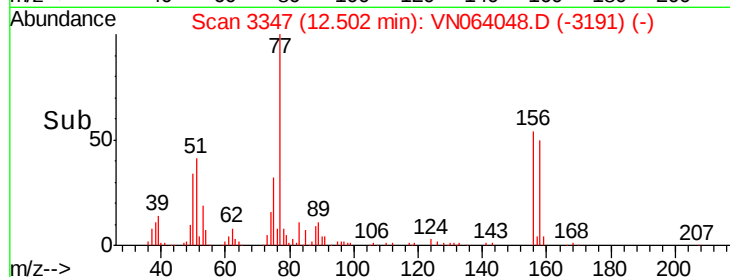
158 95.8 0.0 195.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 16.038 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN064048.D

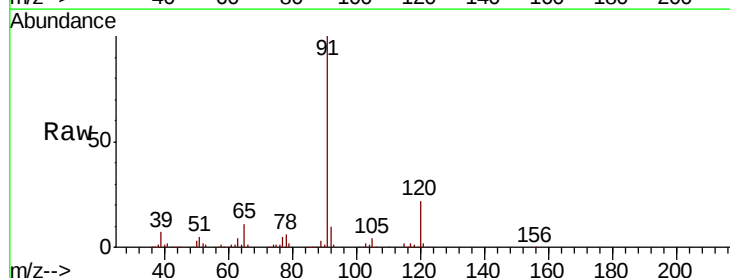
Acq: 9 Oct 2020 19:13

Tgt Ion: 91 Resp: 269133

Ion Ratio Lower Upper

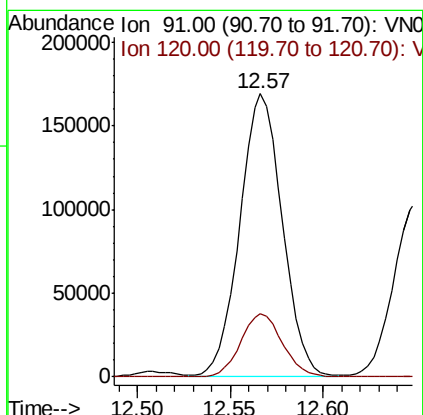
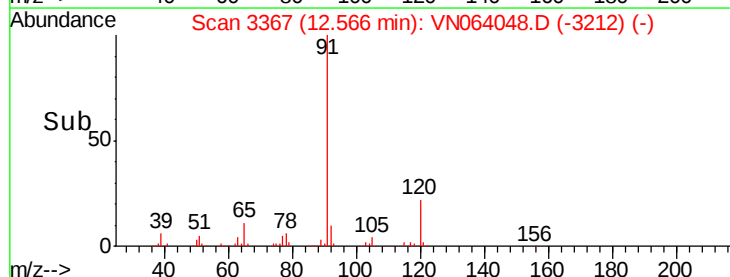
91 100

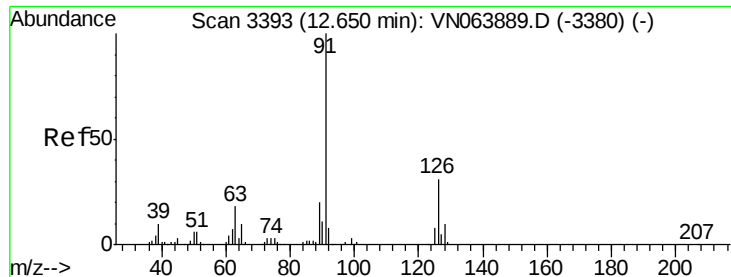
120 21.9 0.0 44.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 16.662 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

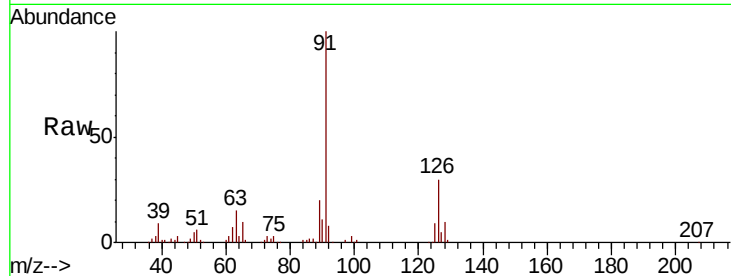
VSTDCCC020EC

Tot Ion: 91 Resp: 170551

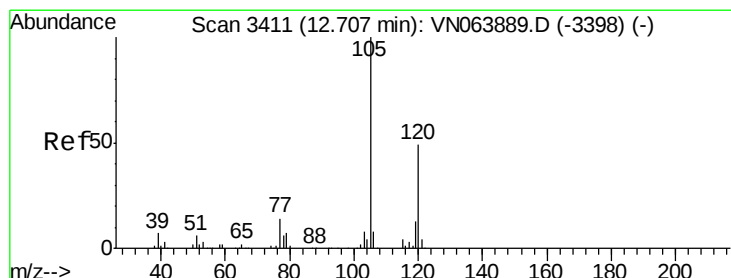
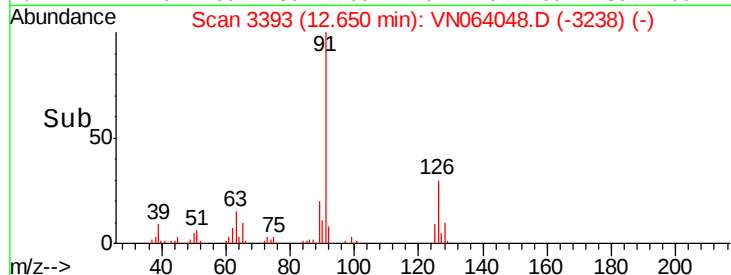
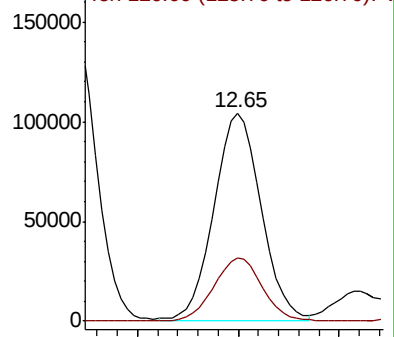
Ion Ratio Lower Upper

91 100

126 31.1 0.0 68.0



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



#76

1,3,5-Trimethylbenzene

Concen: 16.153 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064048.D

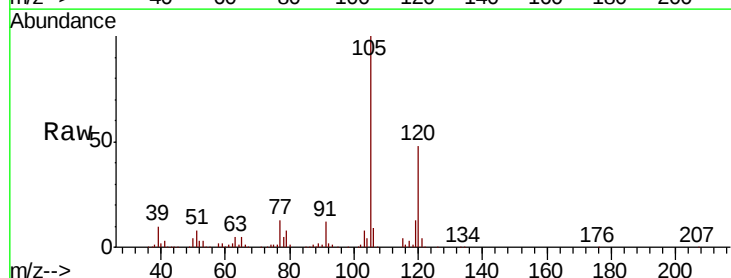
Acq: 9 Oct 2020 19:13

Tgt Ion: 105 Resp: 195534

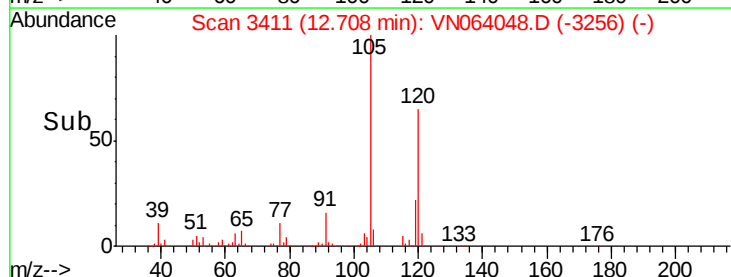
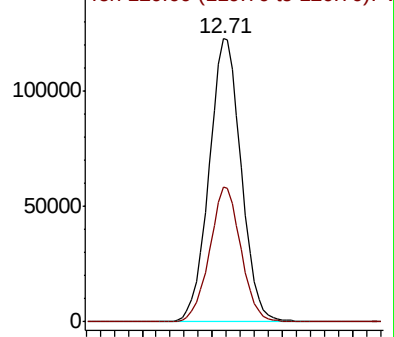
Ion Ratio Lower Upper

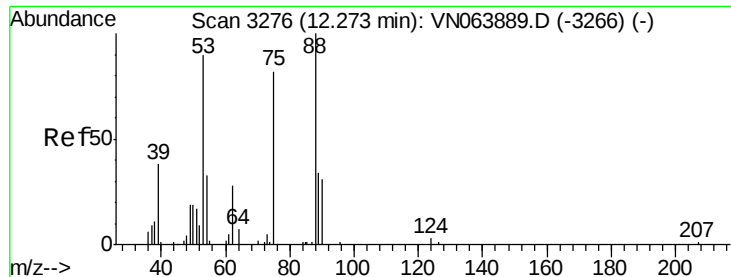
105 100

120 46.4 0.0 95.0



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





#77

t-1,4-Dichloro-2-butene

Concen: 15.436 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

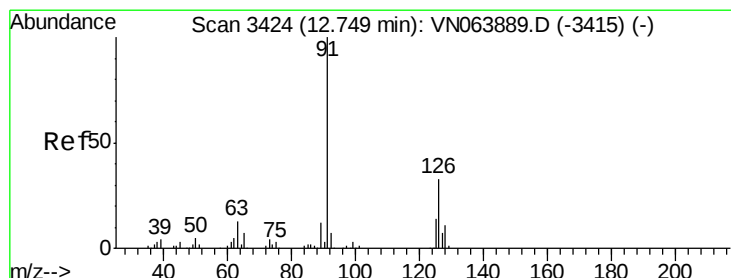
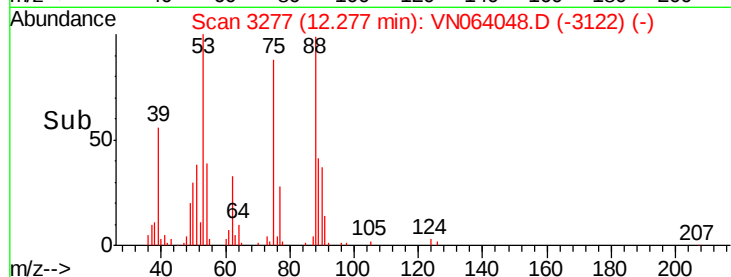
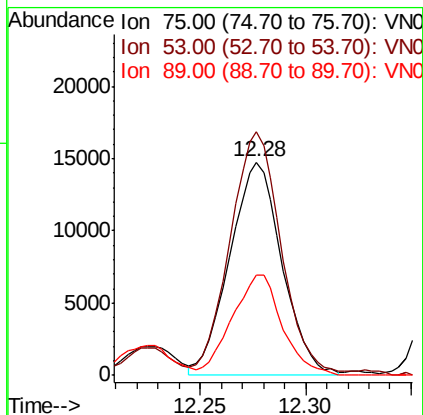
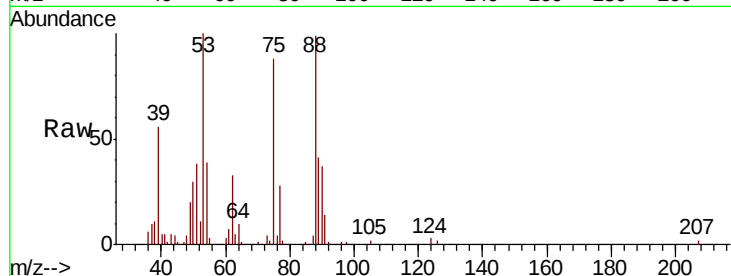
Tot Ion: 75 Resp: 25403

Ion Ratio Lower Upper

75 100

53 113.6 47.0 141.0

89 47.5 22.9 68.7



#78

4-Chlorotoluene

Concen: 16.548 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN064048.D

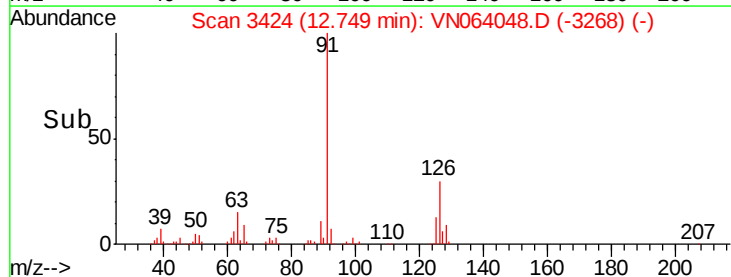
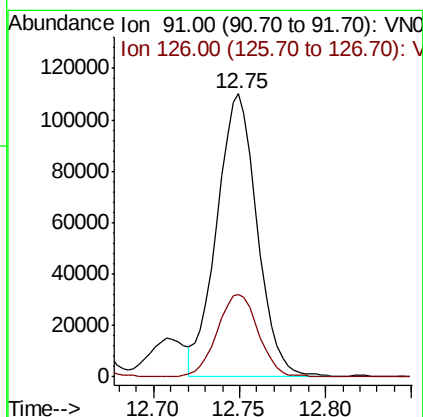
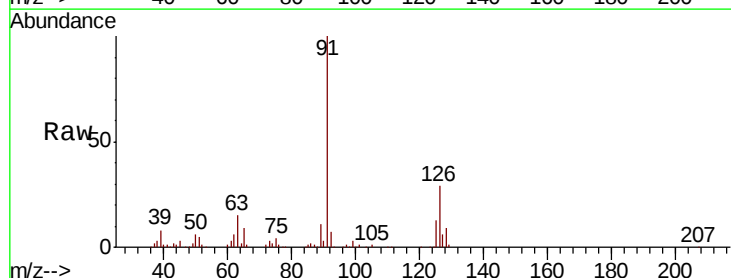
Acq: 9 Oct 2020 19:13

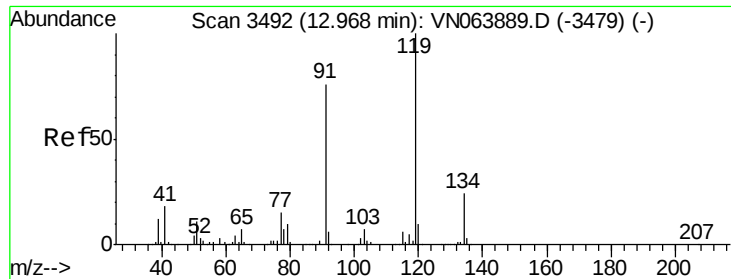
Tgt Ion: 91 Resp: 179370

Ion Ratio Lower Upper

91 100

126 30.0 0.0 65.0





#79

tert-butylbenzene

Concen: 15.972 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

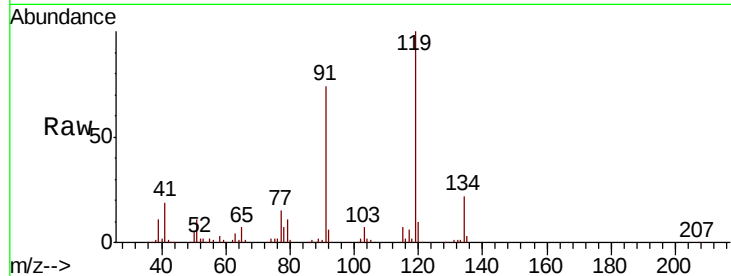
Tot Ion:119 Resp: 154900

Ion Ratio Lower Upper

119 100

91 71.7 0.0 136.8

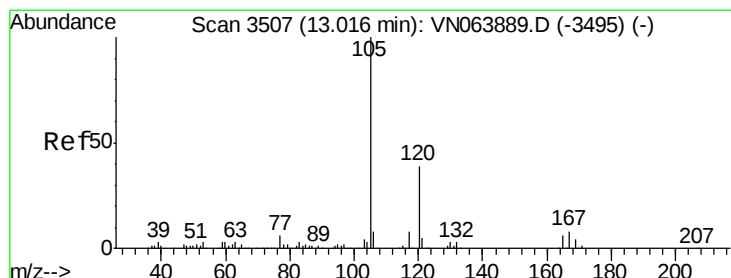
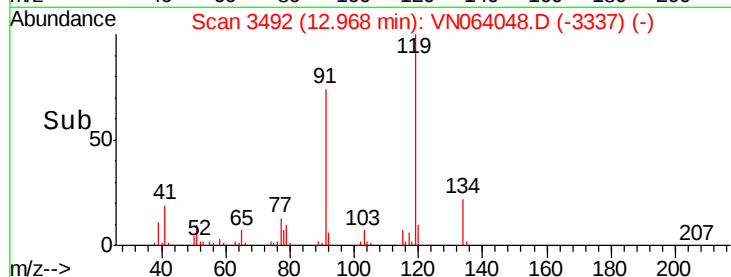
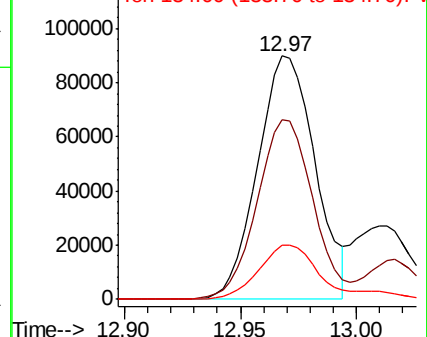
134 22.5 0.0 48.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 16.077 ug/l

RT: 13.02 min Scan# 3507

Delta R.T. 0.00 min

Lab File: VN064048.D

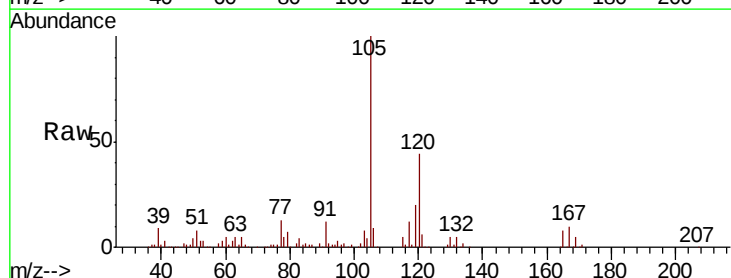
Acq: 9 Oct 2020 19:13

Tgt Ion:105 Resp: 195099

Ion Ratio Lower Upper

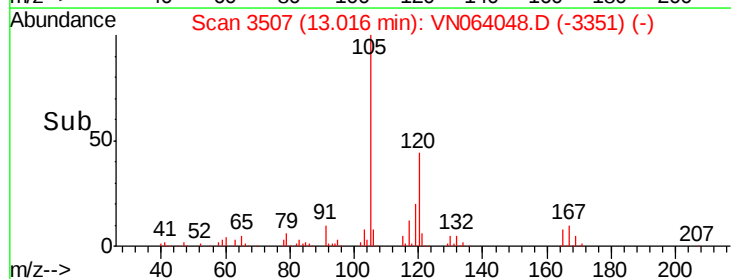
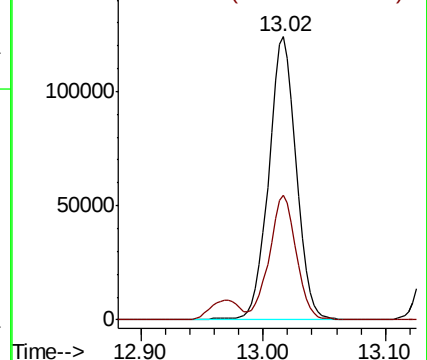
105 100

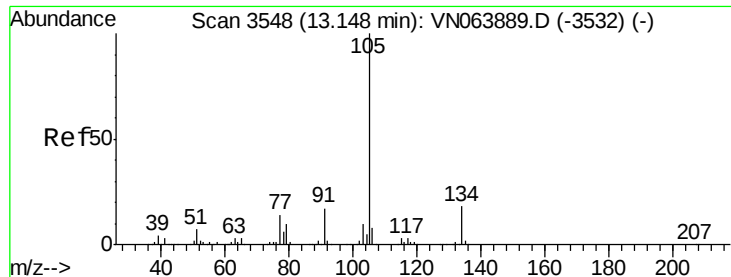
120 43.5 0.0 90.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

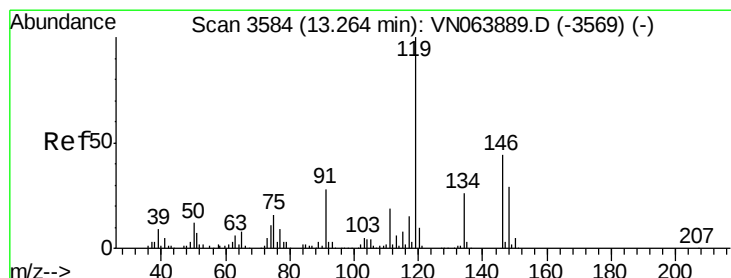
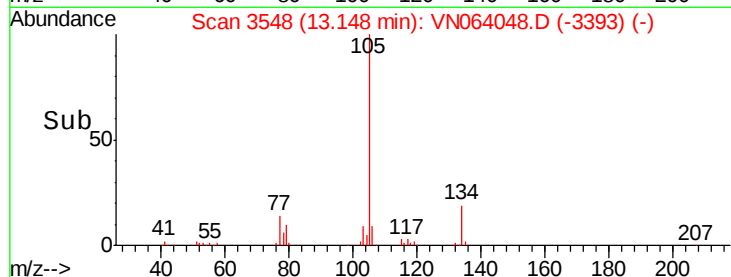
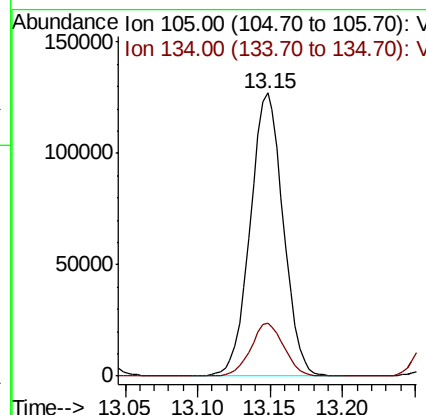
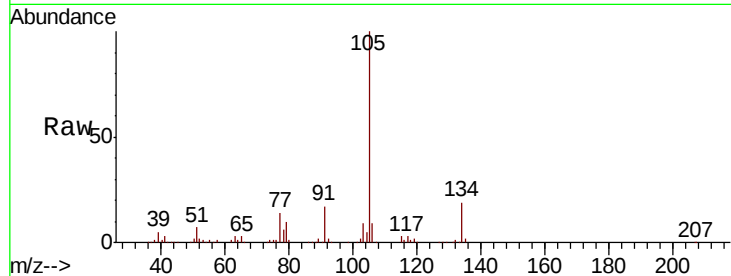




#81
 sec-Butylbenzene
 Concen: 15.836 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. -0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

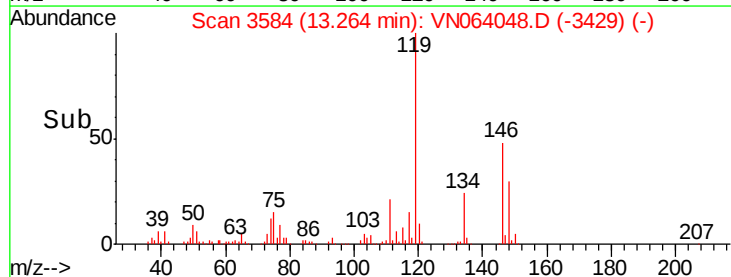
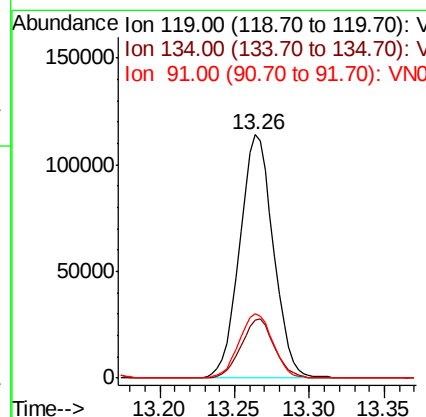
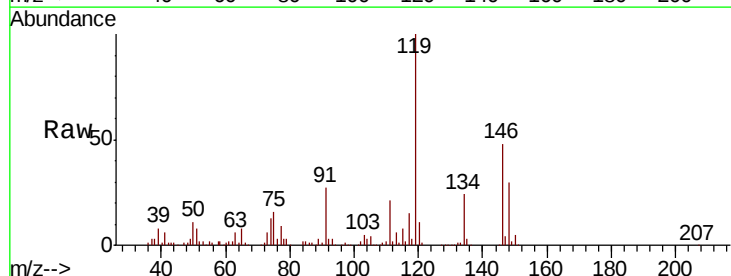
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

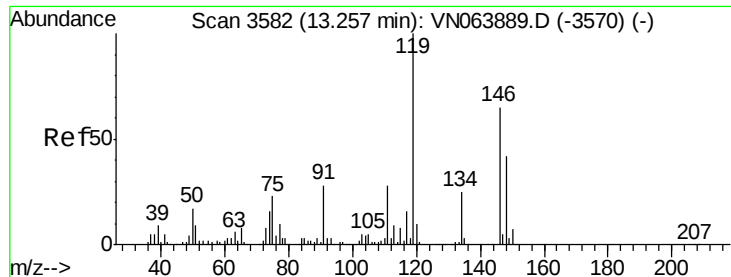
Tot Ion:105 Resp: 201858
 Ion Ratio Lower Upper
 105 100
 134 18.6 0.0 39.4



#82
 p-Isopropyltoluene
 Concen: 15.536 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Tgt Ion:119 Resp: 178996
 Ion Ratio Lower Upper
 119 100
 134 24.0 0.0 52.2
 91 26.9 0.0 46.2

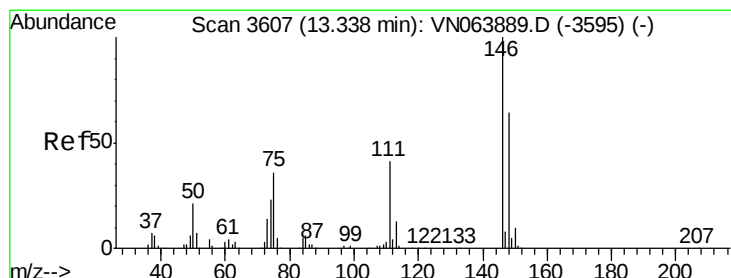
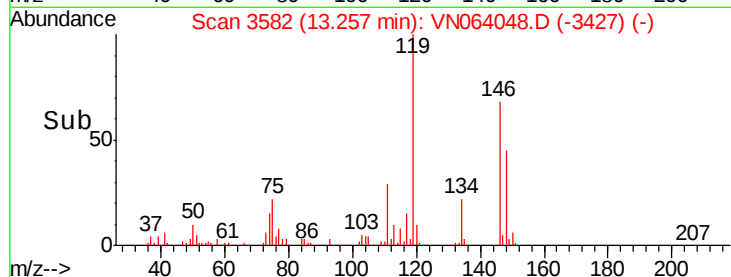
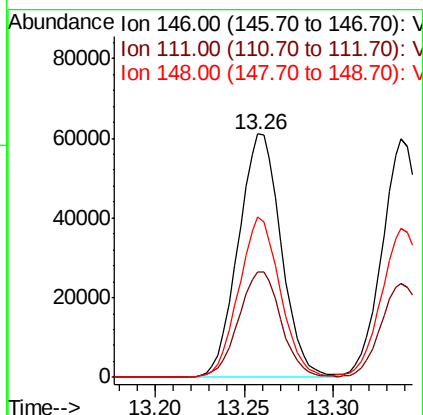
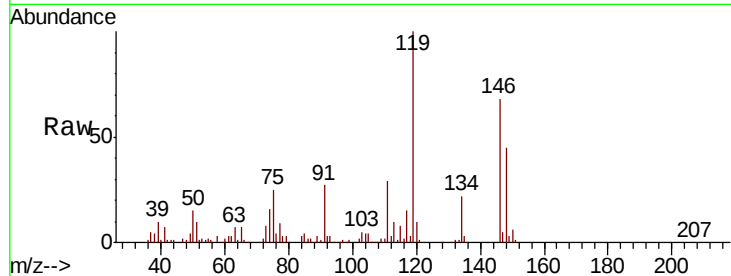




#83
1,3-Dichlorobenzene
Concen: 15.804 ug/l
RT: 13.26 min Scan# 3582
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

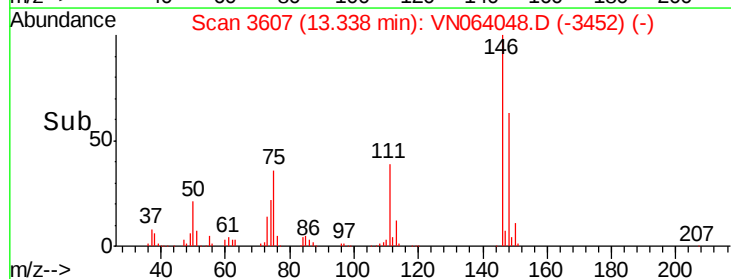
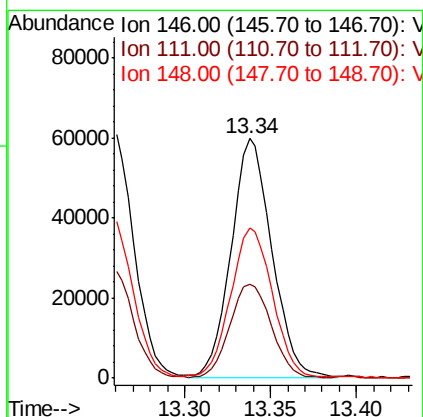
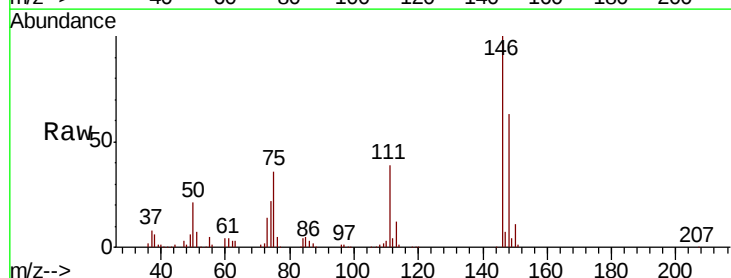
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

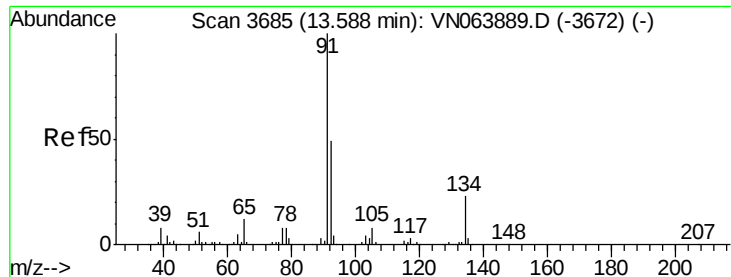
Tot Ion:146 Resp: 102265
Ion Ratio Lower Upper
146 100
111 43.1 19.4 58.1
148 63.7 31.5 94.5



#84
1,4-Dichlorobenzene
Concen: 15.282 ug/l
RT: 13.34 min Scan# 3607
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion:146 Resp: 98232
Ion Ratio Lower Upper
146 100
111 39.4 18.6 55.8
148 63.3 31.6 94.8

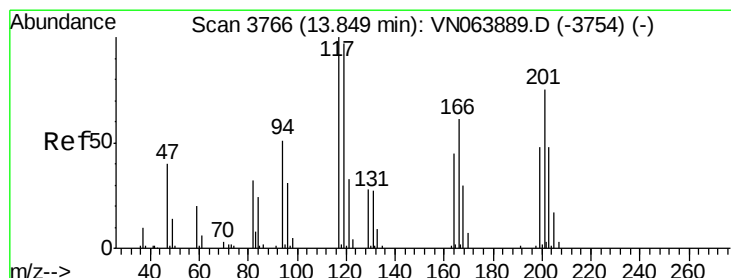
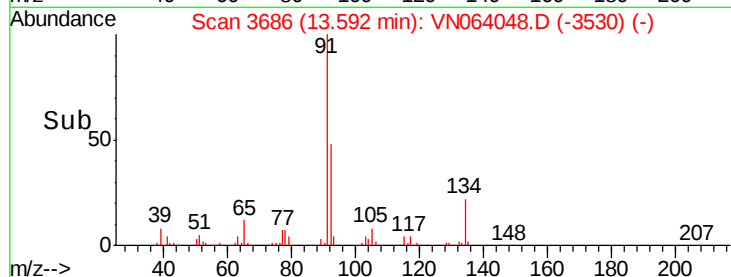
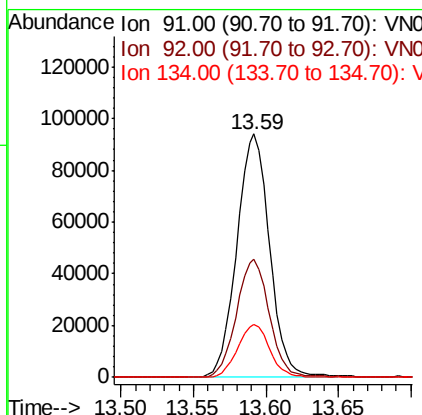
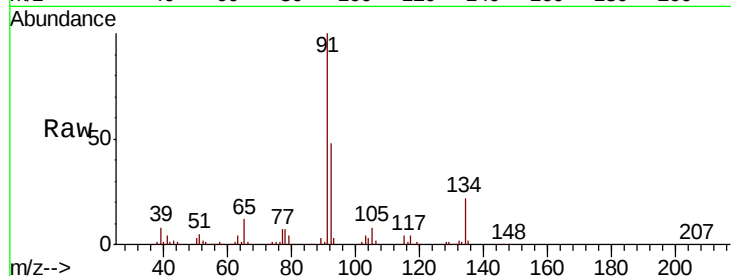




#85
n-Butylbenzene
Concen: 14.699 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

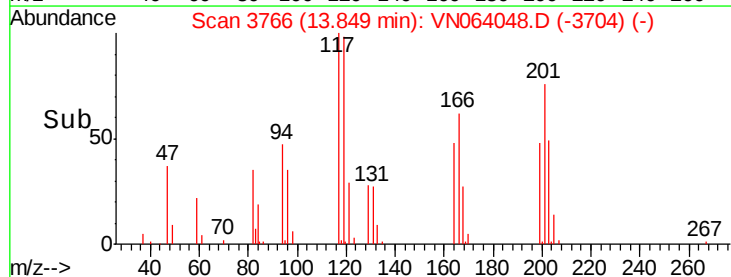
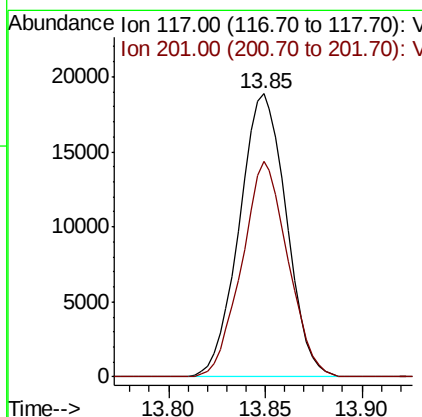
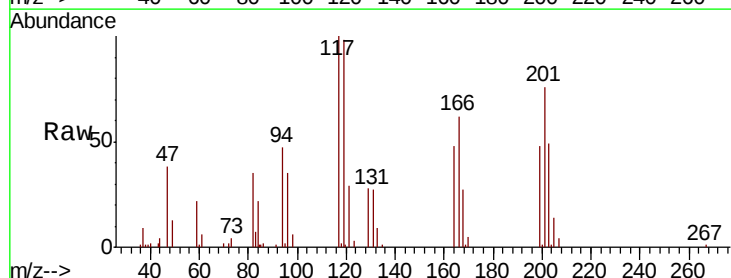
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

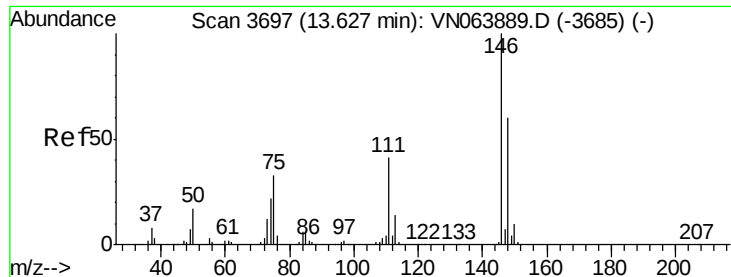
Tot Ion: 91 Resp: 148162
Ion Ratio Lower Upper
91 100
92 48.2 0.0 100.6
134 21.2 0.0 47.4



#86
Hexachloroethane
Concen: 16.097 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion: 117 Resp: 31961
Ion Ratio Lower Upper
117 100
201 74.6 46.1 138.3





#87

1,2-Dichlorobenzene

Concen: 15.873 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

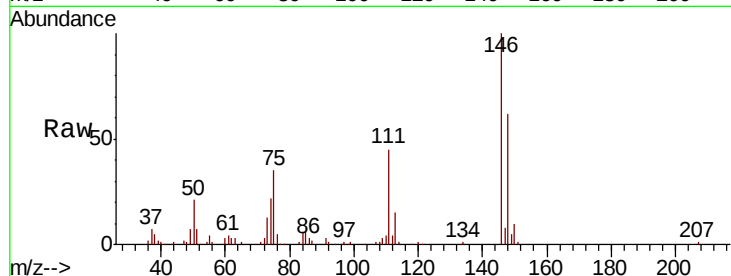
Tot Ion:146 Resp: 100788

Ion Ratio Lower Upper

146 100

111 44.6 19.1 57.3

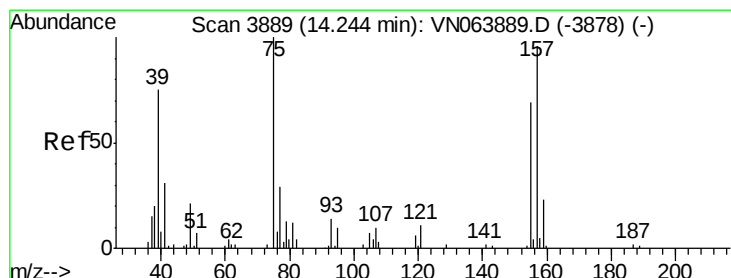
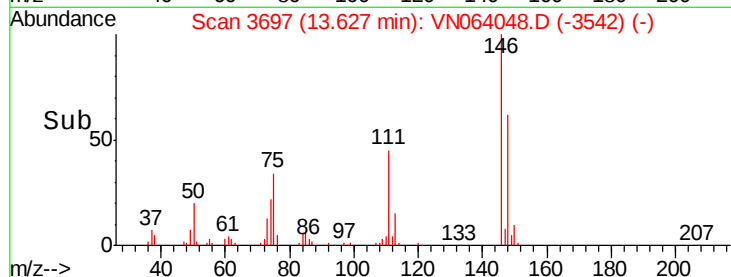
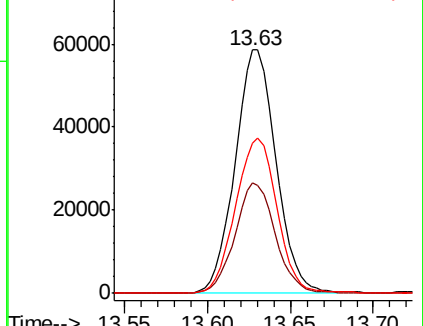
148 64.4 31.8 95.4



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: 15.809 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

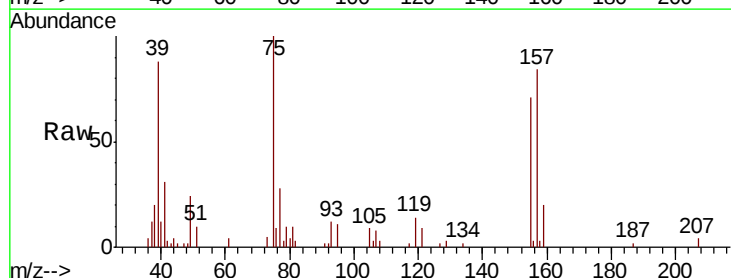
Tgt Ion: 75 Resp: 17140

Ion Ratio Lower Upper

75 100

155 71.1 64.8 97.2

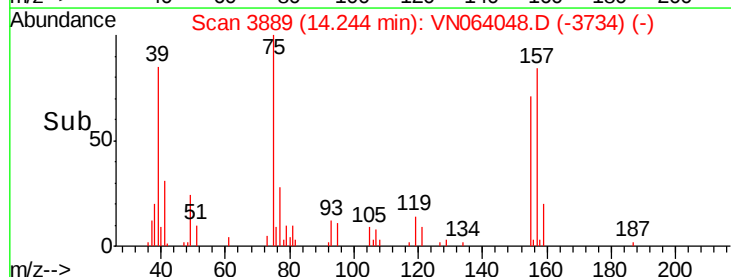
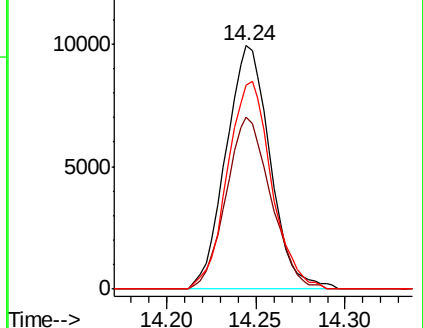
157 85.2 81.2 121.8

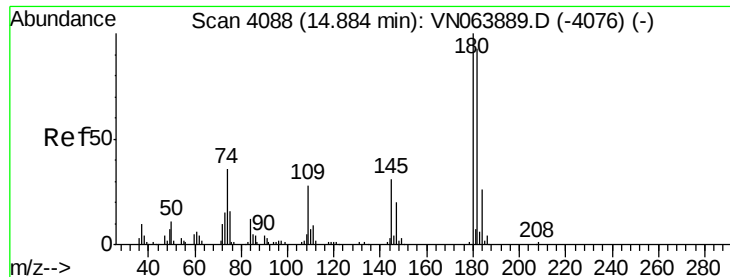


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

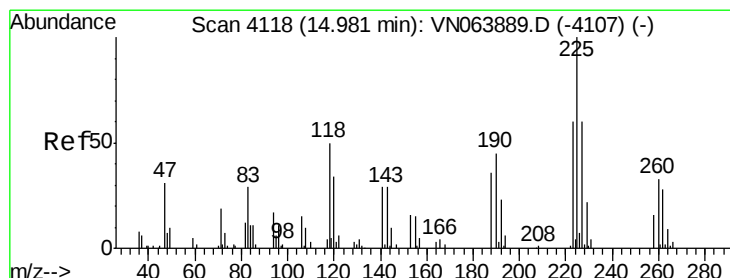
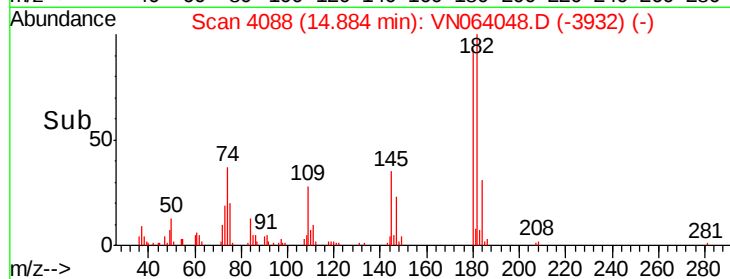
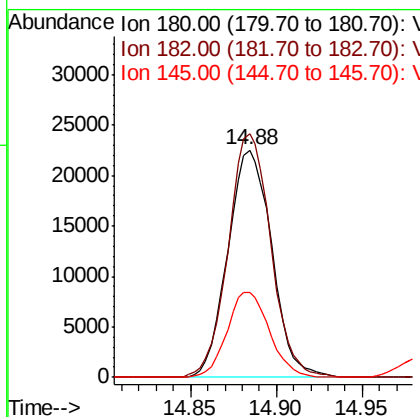
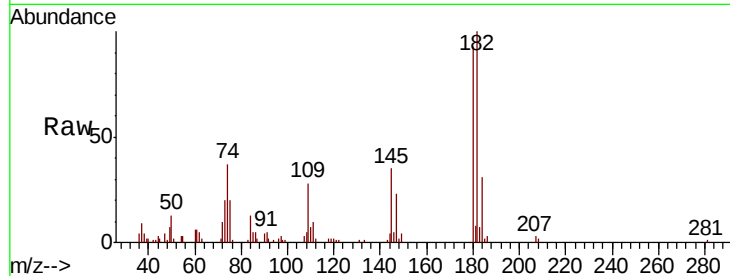




#89
 1,2,4-Trichlorobenzene
 Concen: 12.461 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

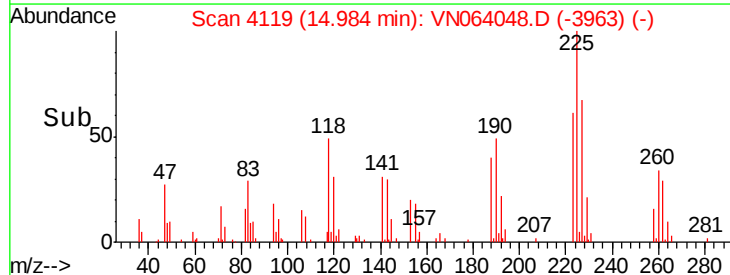
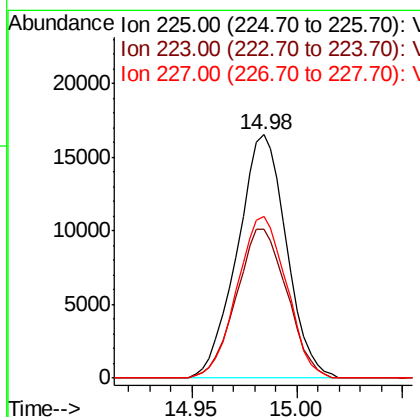
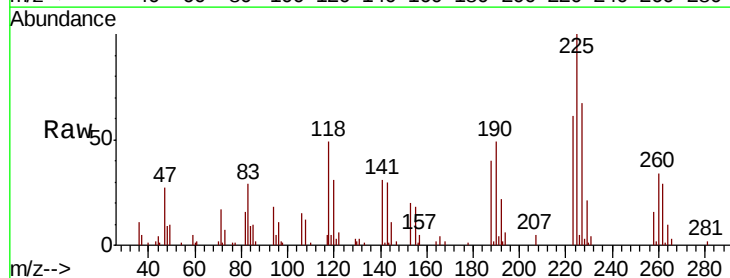
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

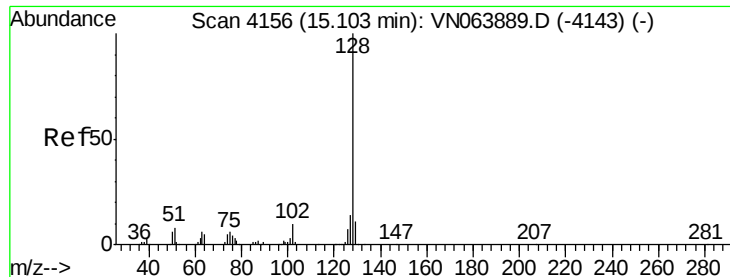
Tot Ion:180 Resp: 40220
 Ion Ratio Lower Upper
 180 100
 182 103.8 76.9 115.3
 145 36.1 21.9 32.9#



#90
 Hexachlorobutadiene
 Concen: 15.635 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Tgt Ion:225 Resp: 26727
 Ion Ratio Lower Upper
 225 100
 223 63.1 0.0 122.8
 227 66.7 0.0 125.6





#91

Naphthalene

Concen: 12.650 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

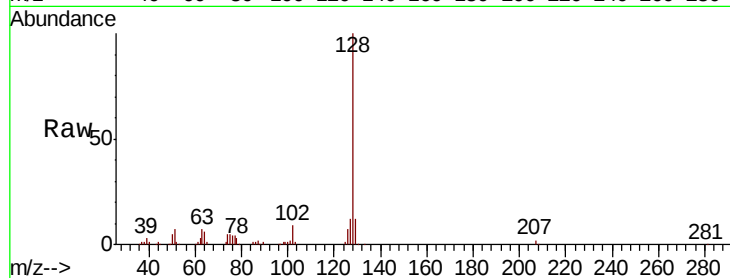
Tot Ion:128 Resp: 124897

Ion Ratio Lower Upper

128 100

127 13.2 11.1 16.7

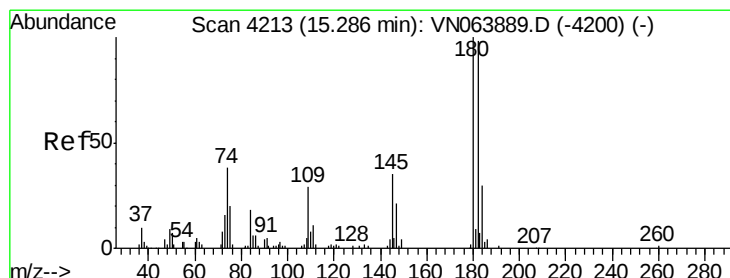
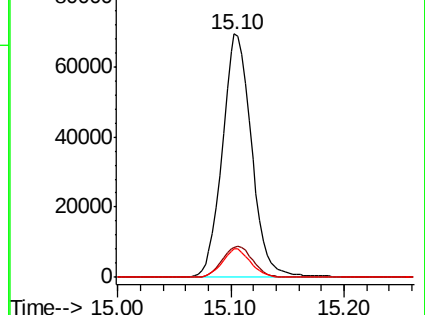
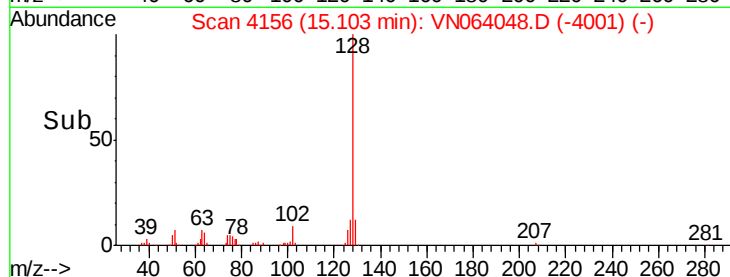
129 11.0 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 14.167 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

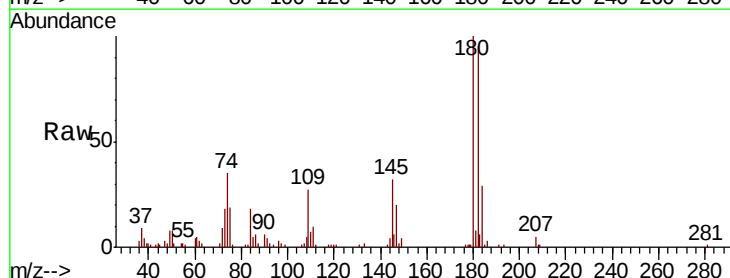
Tgt Ion:180 Resp: 44536

Ion Ratio Lower Upper

180 100

182 97.9 0.0 188.0

145 33.8 0.0 62.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

