

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064252.D
 Acq On : 22 Oct 2020 14:35
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Oct 23 01:04:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 22 16:07:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	47097	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	275918	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	243442	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	129809	33.66	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	112.20%#
60) 4-Bromofluorobenzene	12.37	95	131181	30.07	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.23%
63) Toluene-d8	10.06	98	329367	29.88	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	76205	23.584	ug/l 95
3) Chloromethane	2.04	50	72670	21.946	ug/l 99
4) Vinyl Chloride	2.16	62	69853	21.442	ug/l 96
5) Bromomethane	2.53	94	47410	24.325	ug/l 90
6) Chloroethane	2.68	64	41195	21.711	ug/l 99
7) Trichlorofluoromethane	2.99	101	121155	23.166	ug/l 98
8) Diethyl Ether	3.37	74	38309	21.576	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	59810	21.669	ug/l 96
10) 1,1-Dichloroethene	3.70	96	54453	20.262	ug/l 88
11) Methyl Iodide	3.91	142	77713	20.062	ug/l 91
12) Methyl Acetate	4.27	43	68066	24.030	ug/l 96
13) Acrolein	3.57	56	37537	121.200	ug/l # 1
14) Acrylonitrile	4.93	53	125626	110.060	ug/l # 66
15) Acetone	3.78	58	36097	117.129	ug/l 91
16) Carbon Disulfide	4.01	76	159745	20.786	ug/l # 94
17) Allyl chloride	4.28	41	109733	21.960	ug/l 96
18) Methylene Chloride	4.50	84	65348	21.261	ug/l 90
19) trans-1,2-Dichloroethene	4.99	96	61457	21.199	ug/l 96
20) Diisopropyl ether	5.90	45	204146	22.106	ug/l 94
21) 1,1-Dichloroethane	5.79	63	59609	10.573	ug/l 100
22) cis-1,2-Dichloroethene	6.78	96	72751	21.467	ug/l 97
23) tert-Butyl Alcohol	4.73	59	59964	113.582	ug/l # 100
24) Methyl tert-Butyl Ether	5.00	73	199551	22.471	ug/l # 77
25) Chloroform	7.33	83	133357	22.766	ug/l 95
26) Cyclohexane	7.61	56	89220	19.959	ug/l # 85
29) 1,1-Dichloropropene	7.75	75	95838	20.915	ug/l 99
30) 2-Butanone	6.78	43	202445	107.137	ug/l 99
31) 2,2-Dichloropropane	6.77	77	117204	20.147	ug/l 98
32) 1,1,1-Trichloroethane	7.52	97	125203	21.445	ug/l 98
33) Carbon Tetrachloride	7.73	117	110129	20.691	ug/l 97
34) Benzene	8.00	78	263794	20.673	ug/l 98
35) Methacrylonitrile	7.12	41	42906	20.701	ug/l 94
36) 1,2-Dichloroethane	8.08	62	114175	22.123	ug/l 97
37) Trichloroethene	8.80	130	72110	20.525	ug/l 97
38) Methylcyclohexane	9.05	83	83605	19.077	ug/l 98
39) 1,2-Dichloropropane	9.08	63	71244	20.922	ug/l 100
40) Dibromomethane	9.17	93	48738	20.571	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.37	83	106793	20.827	ug/l	100
42) Vinyl Acetate	5.84	43	936827	104.432	ug/l	99
43) Ethyl Acetate	6.88	43	85013	20.600	ug/l #	85
44) Isopropyl Acetate	8.13	43	165551	20.895	ug/l	99
45) 1,4-Dioxane	9.16	88	19841	428.175	ug/l	95
46) Methyl methacrylate	9.16	41	80885	21.515	ug/l	99
47) n-amyl Acetate	12.04	43	136277	19.389	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	120589	20.853	ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	121180	20.281	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	65573	20.659	ug/l	96
51) Ethyl methacrylate	10.40	69	100967	20.116	ug/l	97
52) 1,3-Dichloropropane	10.68	76	115683	21.140	ug/l	98
53) Dibromochloromethane	10.87	129	82969	20.768	ug/l	99
54) 1,2-Dibromoethane	10.98	107	70118	20.782	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	222288	90.111	ug/l	98
56) Bromoform	12.10	173	54821	19.704	ug/l #	97
58) 4-Methyl-2-Pentanone	9.95	43	443583	107.528	ug/l	98
59) 2-Hexanone	10.72	43	323469	105.620	ug/l	99
61) Tetrachloroethene	10.60	164	70880	21.598	ug/l	96
62) Toluene	10.12	91	291826	20.968	ug/l	98
64) Chlorobenzene	11.41	112	179456	20.706	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	71719	21.120	ug/l	99
66) Ethyl Benzene	11.48	91	336374	21.023	ug/l	100
67) m/p-Xylenes	11.59	106	242648	40.776	ug/l	97
68) o-Xylene	11.92	106	120572	20.880	ug/l	97
69) Styrene	11.94	104	198902	20.359	ug/l	96
70) Isopropylbenzene	12.22	105	319892	20.975	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	85606	20.484	ug/l	96
72) 1,2,3-Trichloropropane	12.53	75	132616	30.408	ug/l	48
73) Bromobenzene	12.50	156	76954	20.925	ug/l	96
74) n-propylbenzene	12.56	91	361879	20.790	ug/l	100
75) 2-Chlorotoluene	12.65	91	227877	21.148	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	270672	20.857	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	33526	19.662	ug/l	93
78) 4-Chlorotoluene	12.75	91	236828	21.012	ug/l	99
79) tert-butylbenzene	12.97	119	223716	21.086	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	274374	20.827	ug/l	99
81) sec-Butylbenzene	13.14	105	277947	20.135	ug/l	100
82) p-Isopropyltoluene	13.26	119	263037	20.588	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	134753	20.441	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	134075	20.315	ug/l	97
85) n-Butylbenzene	13.59	91	222989	19.661	ug/l	99
86) Hexachloroethane	13.85	117	44431	20.201	ug/l	95
87) 1,2-Dichlorobenzene	13.62	146	131824	20.505	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	21081	19.916	ug/l	95
89) 1,2,4-Trichlorobenzene	14.88	180	73377	19.007	ug/l	92
90) Hexachlorobutadiene	14.98	225	37675	19.253	ug/l	100
91) Naphthalene	15.10	128	226425	19.349	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	72052	19.515	ug/l	99

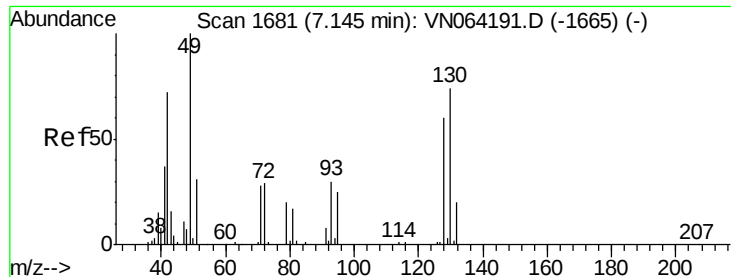
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

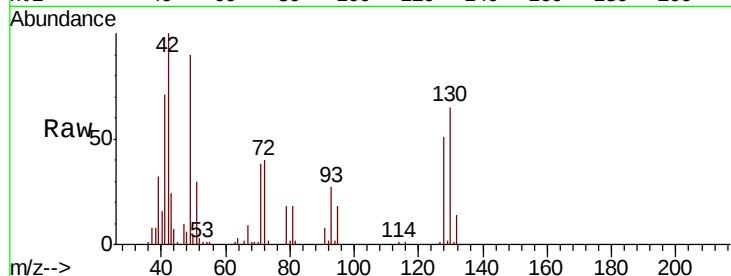
Tot Ion:128 Resp: 47097

Ion Ratio Lower Upper

128 100

49 180.7 0.0 433.3

130 128.9 0.0 322.5

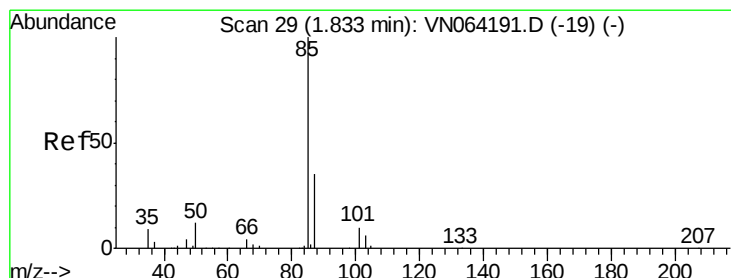
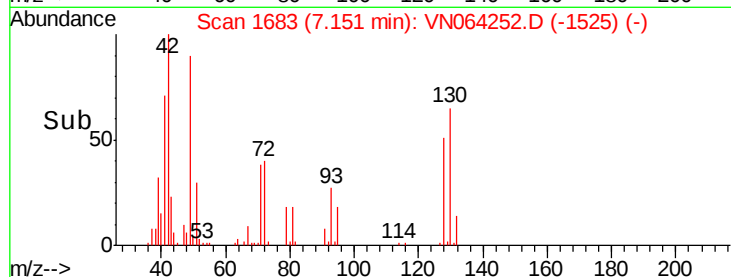
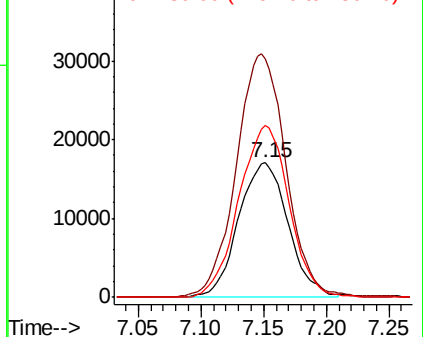


Abundance

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: 23.584 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064252.D

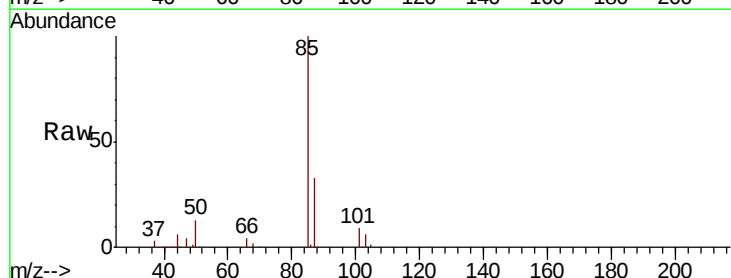
Acq: 22 Oct 2020 14:35

Tgt Ion: 85 Resp: 76205

Ion Ratio Lower Upper

85 100

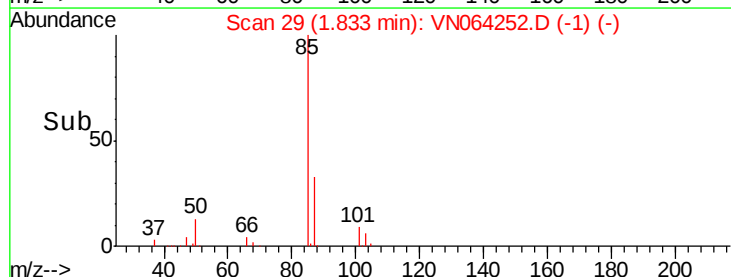
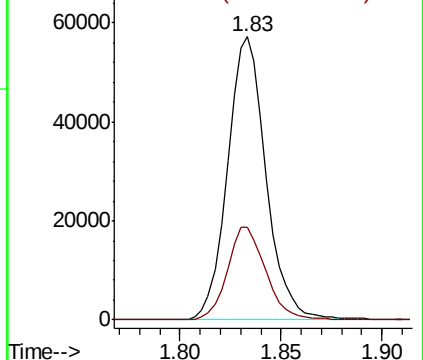
87 32.7 17.8 53.3

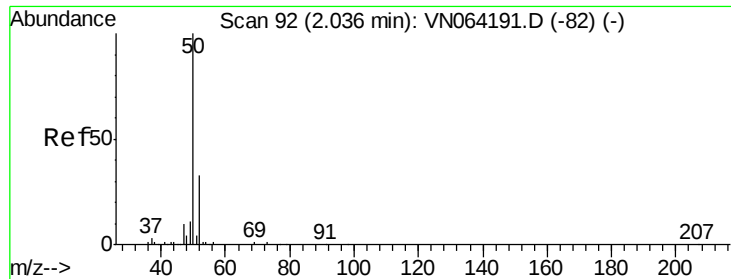


Abundance

Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 21.946 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

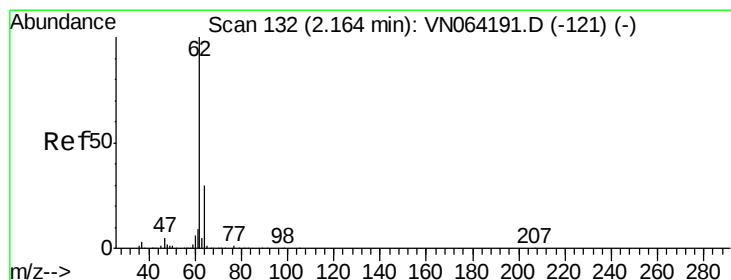
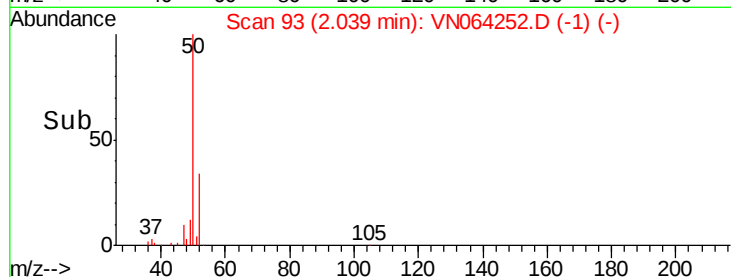
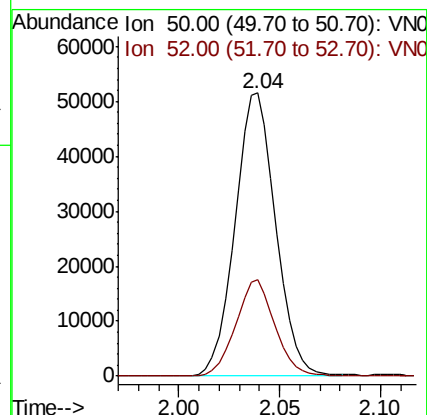
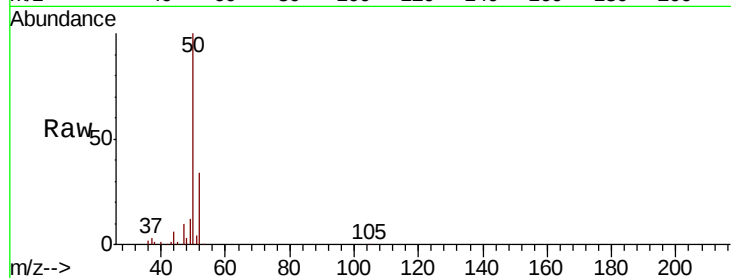
VSTDCCC020

Tot Ion: 50 Resp: 72670

Ion Ratio Lower Upper

50 100

52 33.9 26.6 40.0



#4

Vinyl Chloride

Concen: 21.442 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064252.D

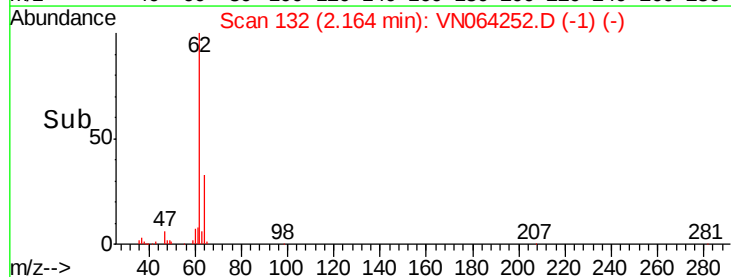
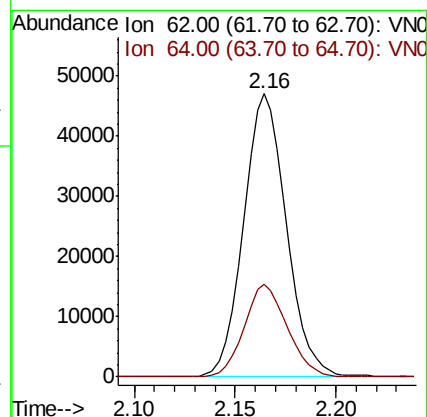
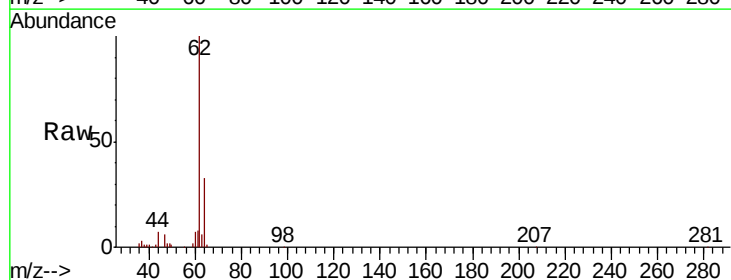
Acq: 22 Oct 2020 14:35

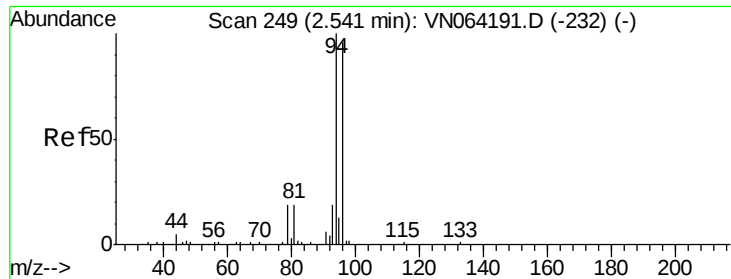
Tgt Ion: 62 Resp: 69853

Ion Ratio Lower Upper

62 100

64 32.7 24.4 36.6





#5

Bromomethane

Concen: 24.325 ug/l

RT: 2.53 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

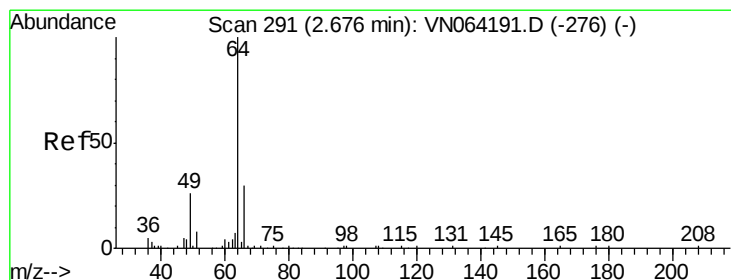
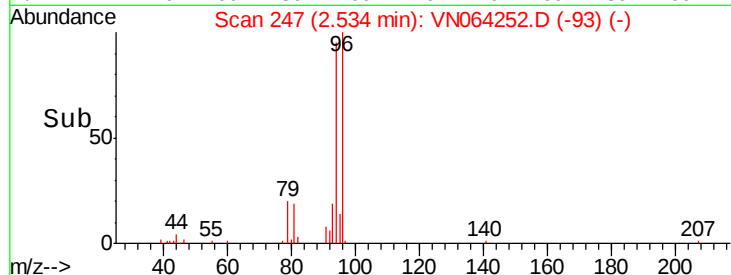
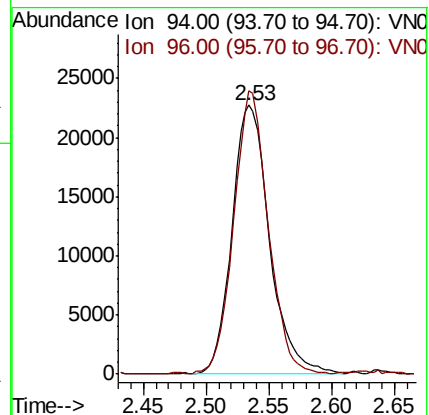
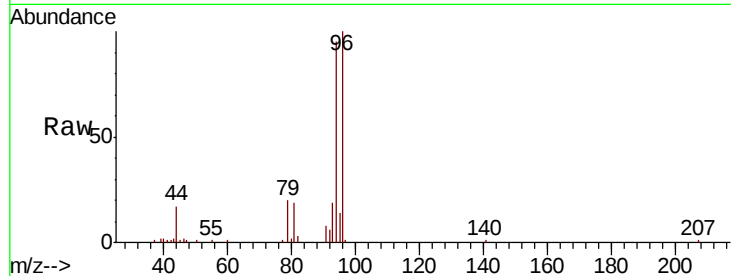
VSTDCCC020

Tot Ion: 94 Resp: 47410

Ion Ratio Lower Upper

94 100

96 105.2 76.6 115.0



#6

Chloroethane

Concen: 21.711 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064252.D

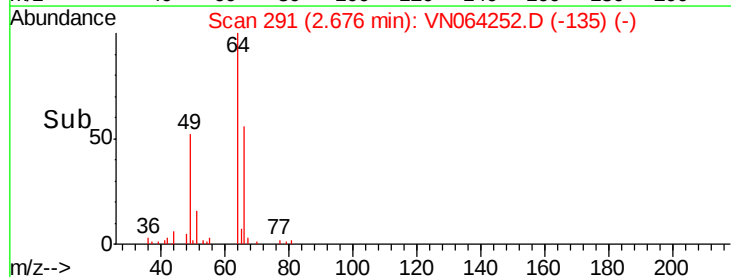
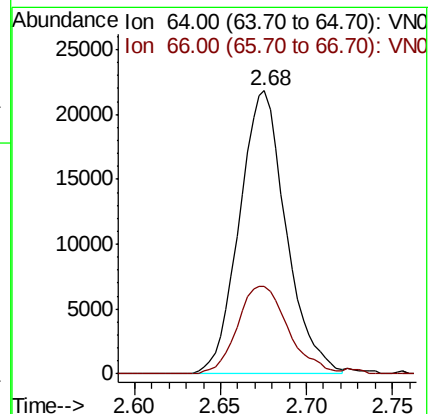
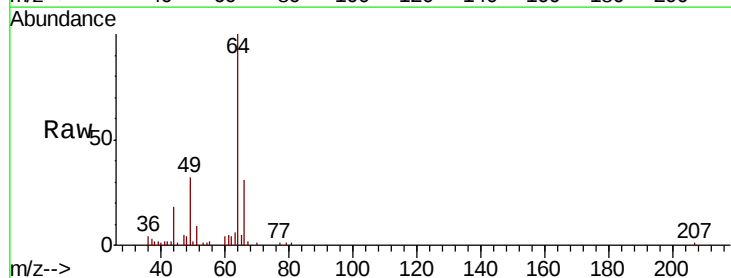
Acq: 22 Oct 2020 14:35

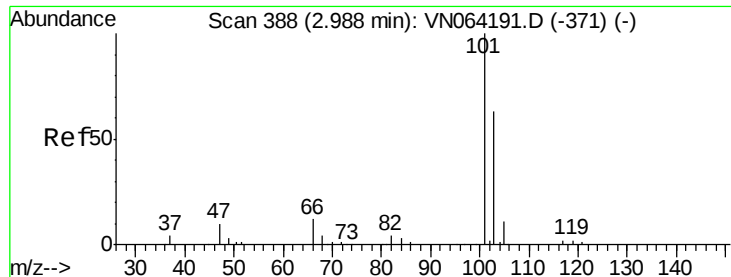
Tgt Ion: 64 Resp: 41195

Ion Ratio Lower Upper

64 100

66 31.0 24.3 36.5



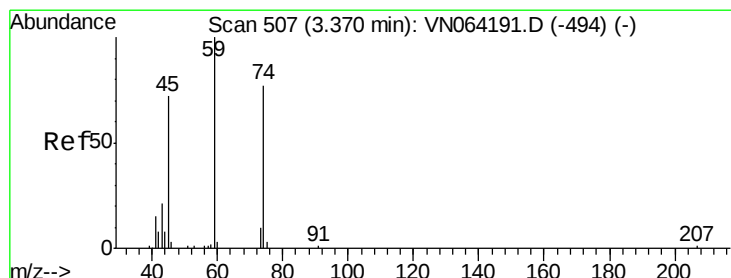
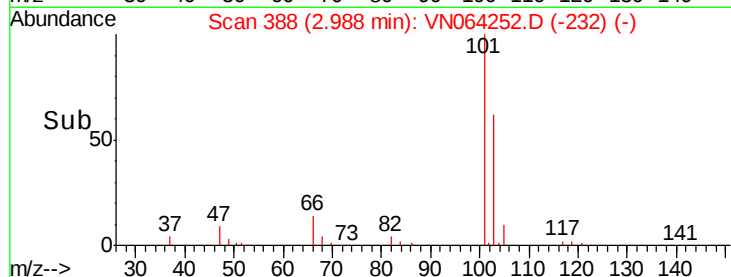
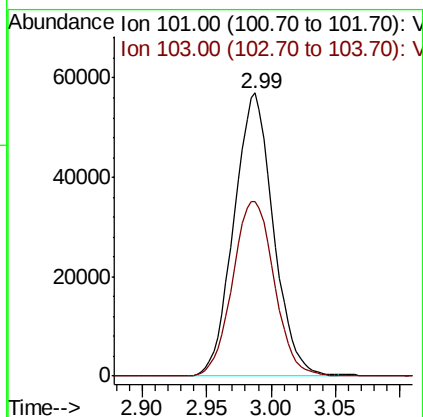
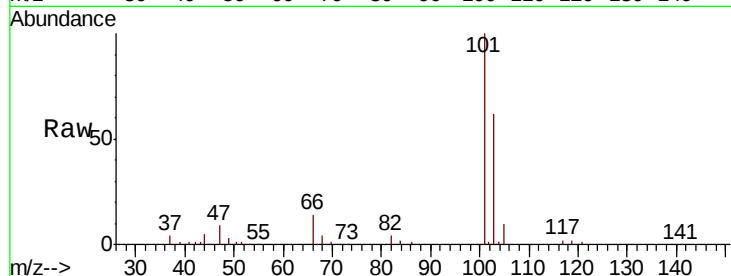


#7

Trichlorofluoromethane
 Concen: 23.166 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

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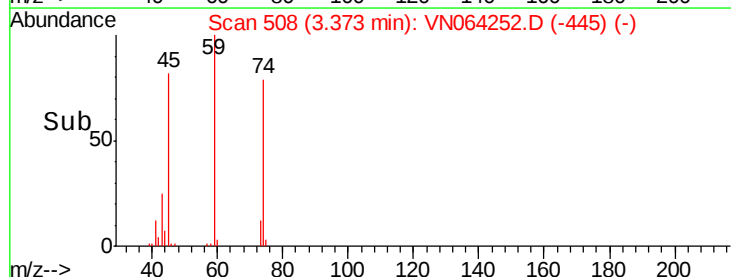
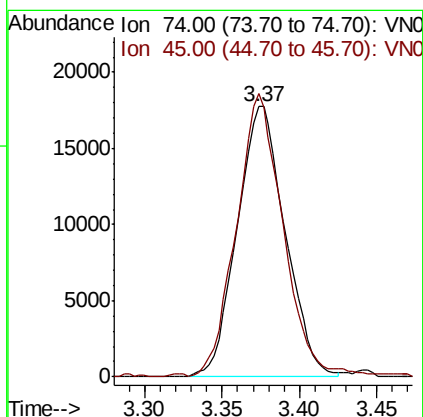
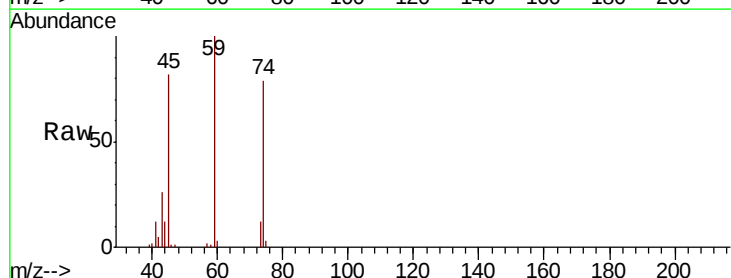
Tot Ion:101 Resp: 121155
 Ion Ratio Lower Upper
 101 100
 103 61.7 50.7 76.1

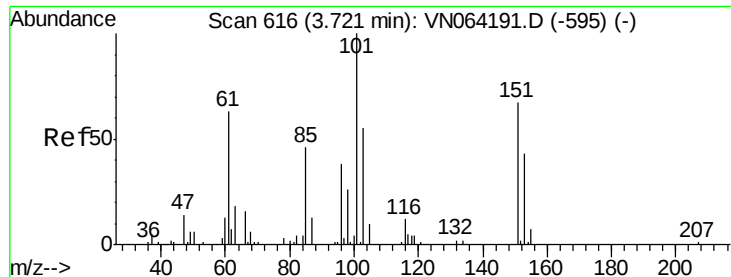


#8

Diethyl Ether
 Concen: 21.576 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

Tgt Ion: 74 Resp: 38309
 Ion Ratio Lower Upper
 74 100
 45 100.6 19.5 175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.669 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

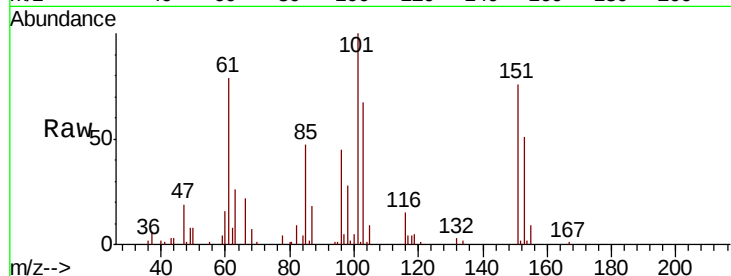
Tot Ion:101 Resp: 59810

Ion Ratio Lower Upper

101 100

85 48.5 0.0 94.0

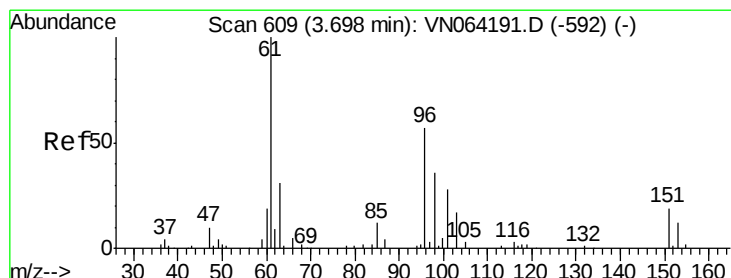
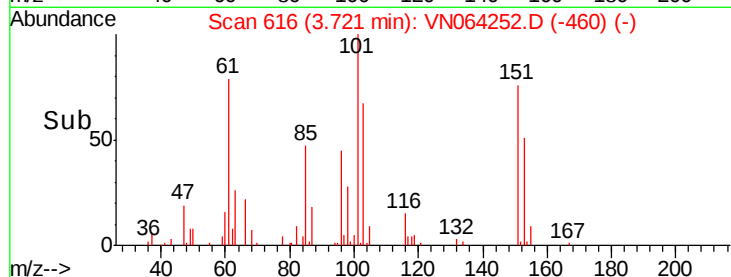
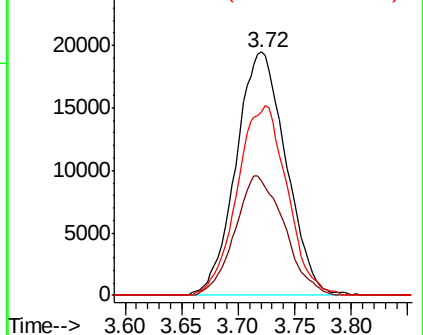
151 77.9 0.0 146.6



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: 20.262 ug/l

RT: 3.70 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN064252.D

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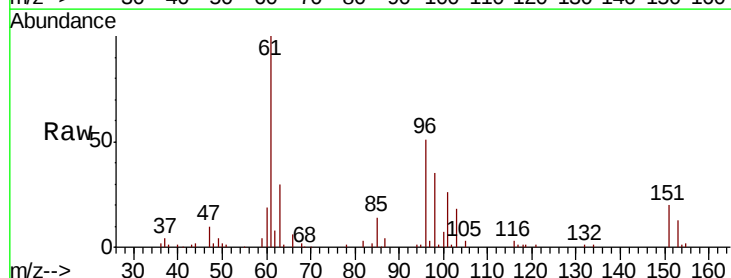
Tgt Ion: 96 Resp: 54453

Ion Ratio Lower Upper

96 100

61 196.7 141.0 211.4

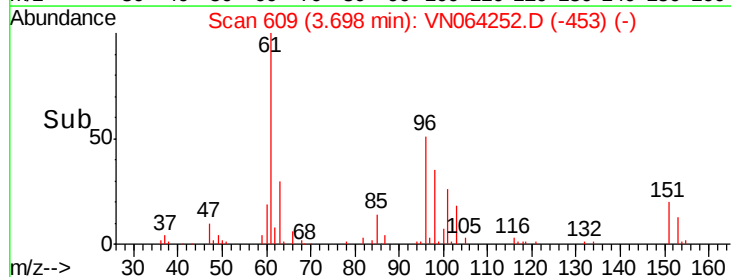
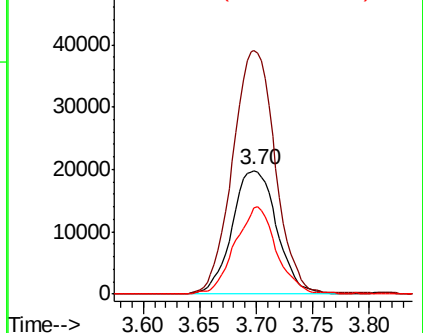
98 69.5 51.4 77.2

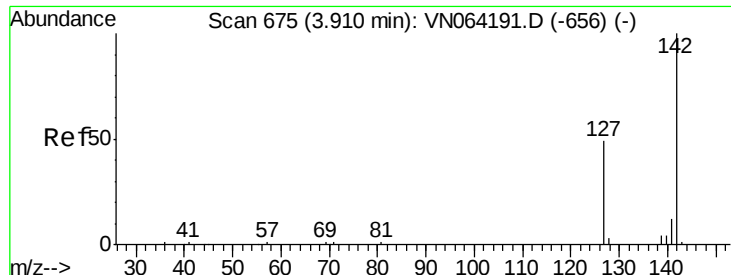


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

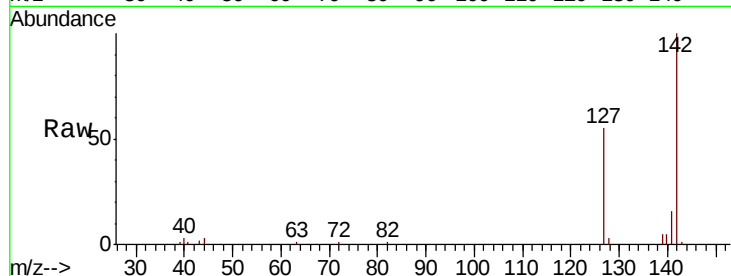




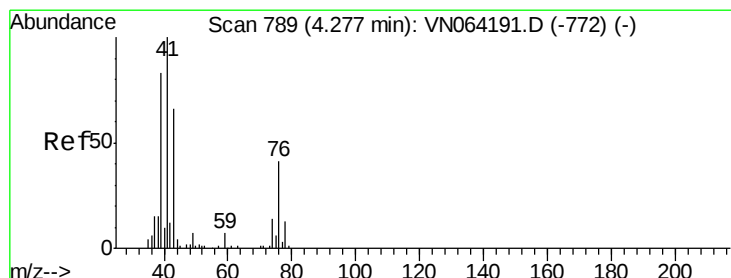
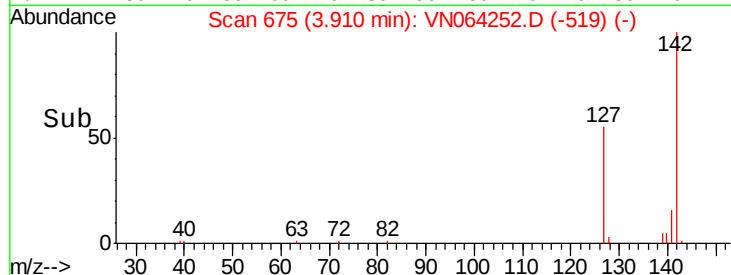
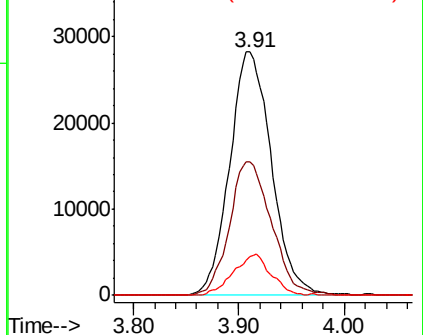
#11
Methvl Iodide
Concen: 20.062 ug/l
RT: 3.91 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:142 Resp: 77713
Ion Ratio Lower Upper
142 100
127 55.2 24.5 73.5
141 15.9 6.0 18.1

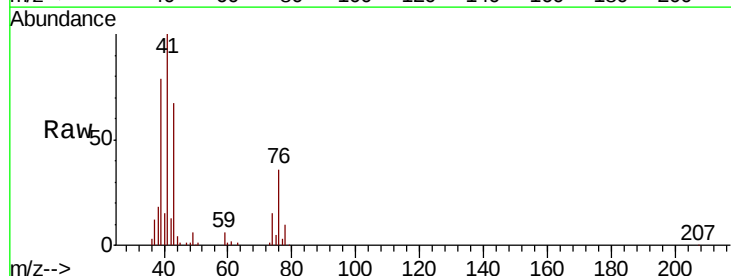


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

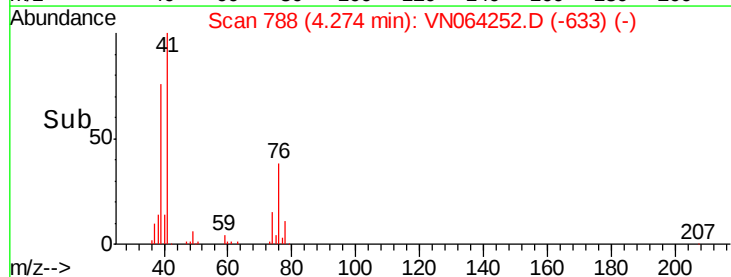
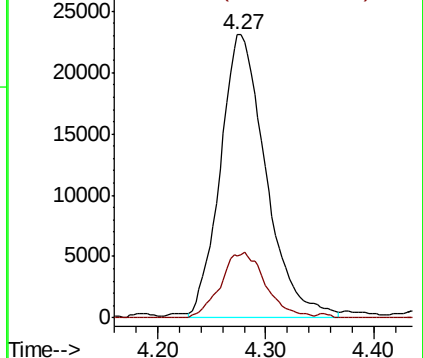


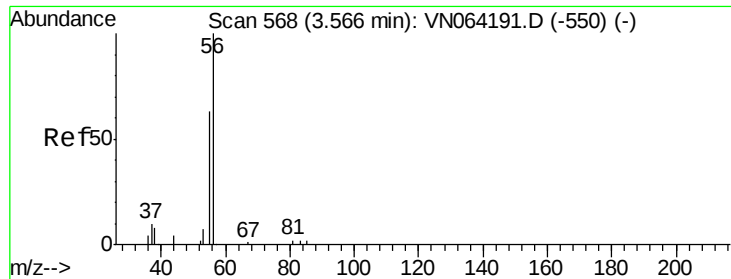
#12
Methyl Acetate
Concen: 24.030 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Tgt Ion: 43 Resp: 68066
Ion Ratio Lower Upper
43 100
74 22.2 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 121.200 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

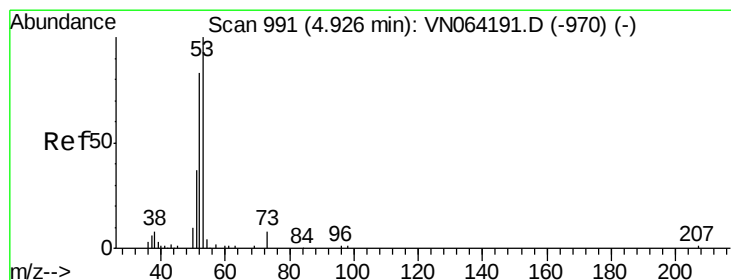
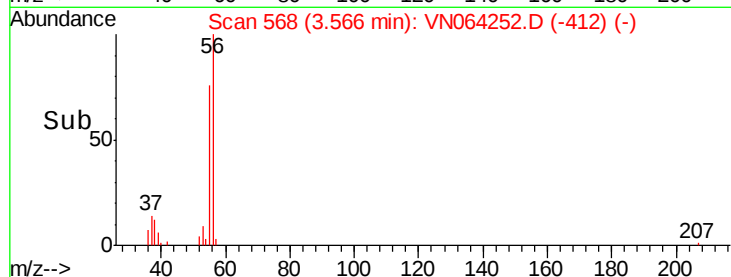
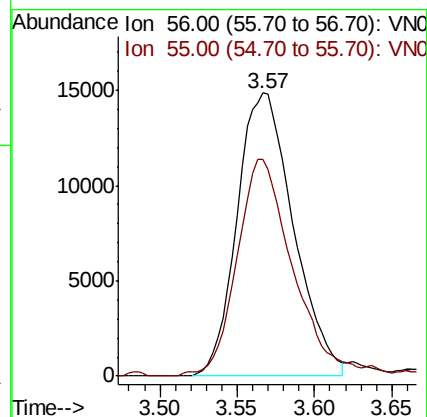
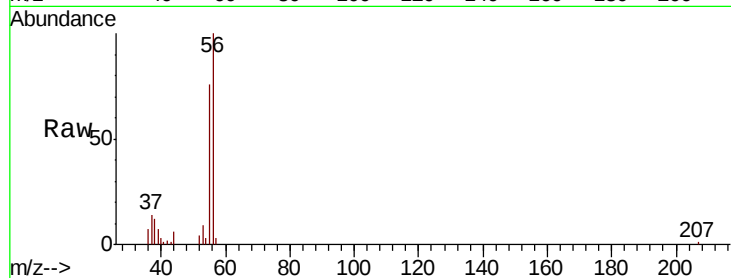
VSTDCCC020

Tot Ion: 56 Resp: 37537

Ion Ratio Lower Upper

56 100

55 75.4 0.5 0.7#



#14

Acrylonitrile

Concen: 110.060 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

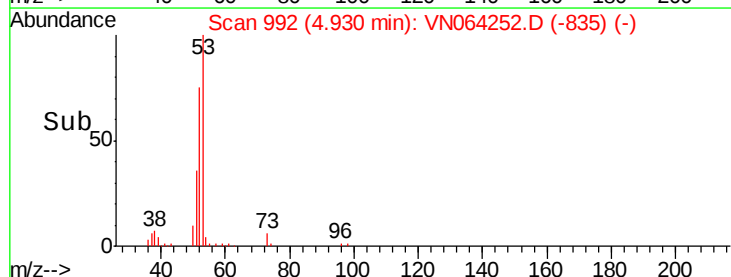
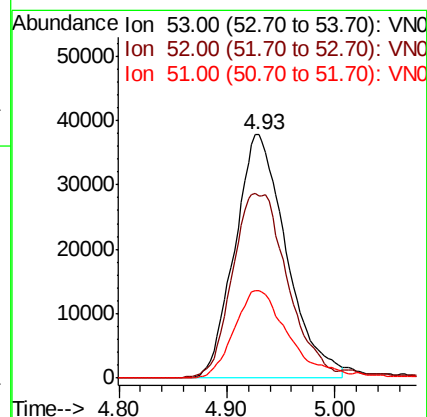
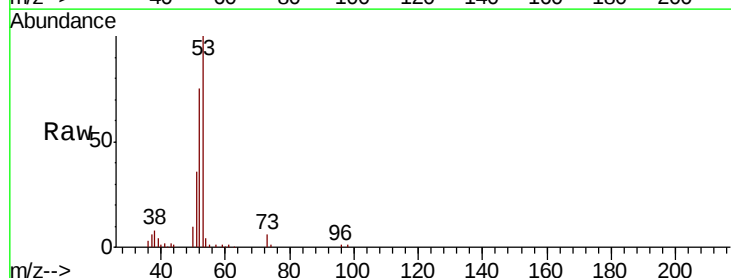
Tgt Ion: 53 Resp: 125626

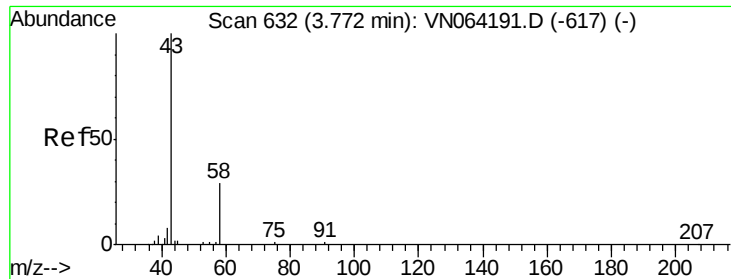
Ion Ratio Lower Upper

53 100

52 40.0 41.3 123.9#

51 37.7 18.1 54.1





#15

Acetone

Concen: 117.129 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

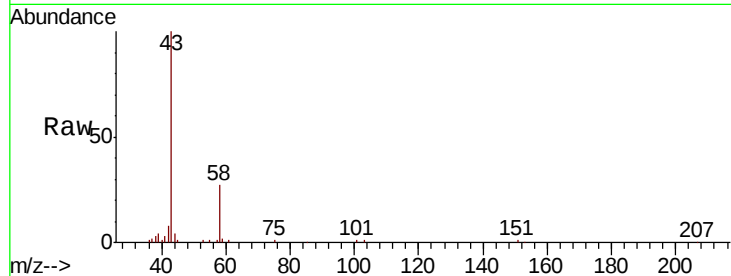
VSTDCCC020

Tot Ion: 58 Resp: 36097

Ion Ratio Lower Upper

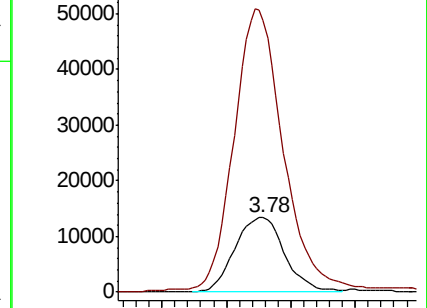
58 100

43 359.6 272.1 408.1

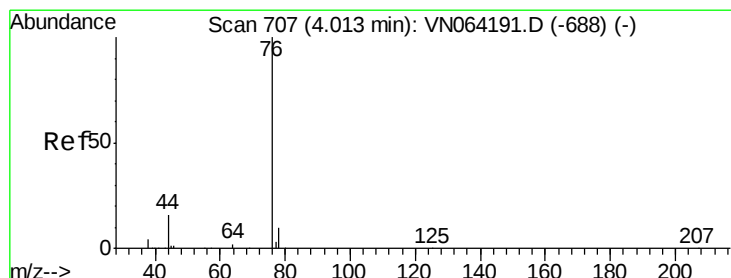
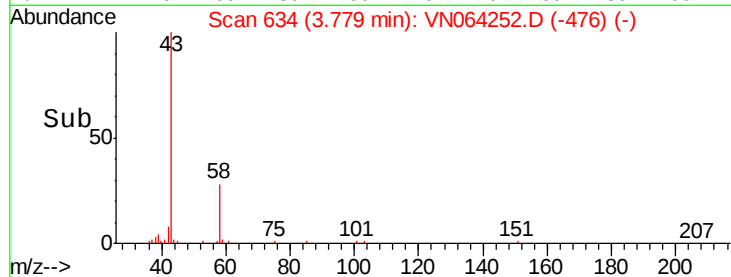


Abundance Ion 58.00 (57.70 to 58.70): VN064252.D (-551) (-)

Ion 43.00 (42.70 to 43.70): VN064252.D (-551) (-)



Time-->



#16

Carbon Disulfide

Concen: 20.786 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064252.D

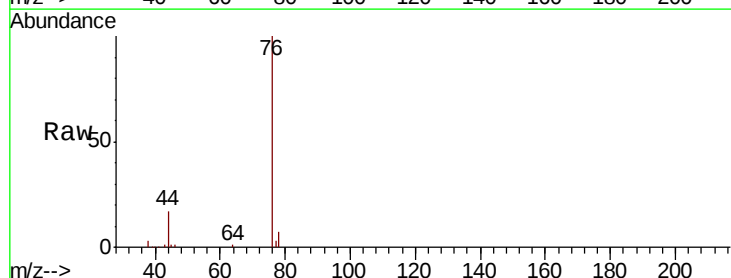
Acq: 22 Oct 2020 14:35

Tgt Ion: 76 Resp: 159745

Ion Ratio Lower Upper

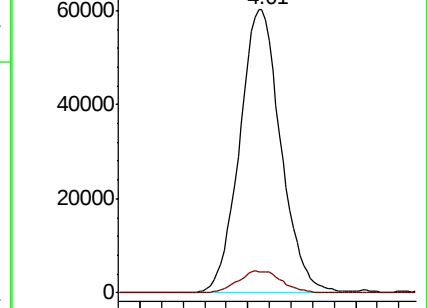
76 100

78 7.4 7.7 11.5#

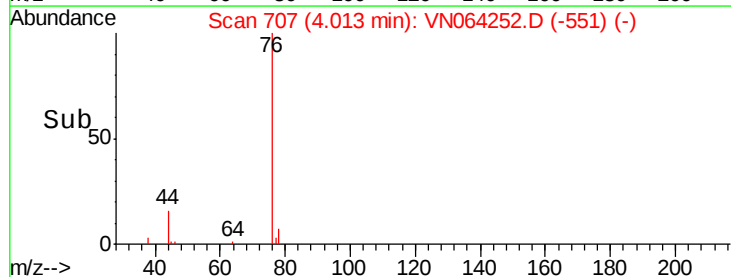


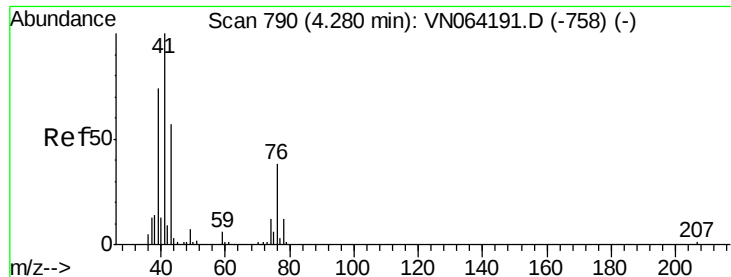
Abundance Ion 76.00 (75.70 to 76.70): VN064252.D (-551) (-)

Ion 78.00 (77.70 to 78.70): VN064252.D (-551) (-)



Time-->

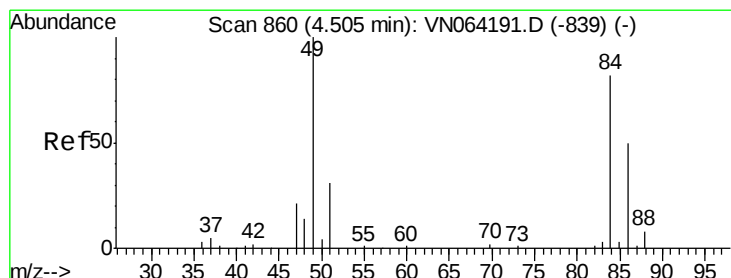
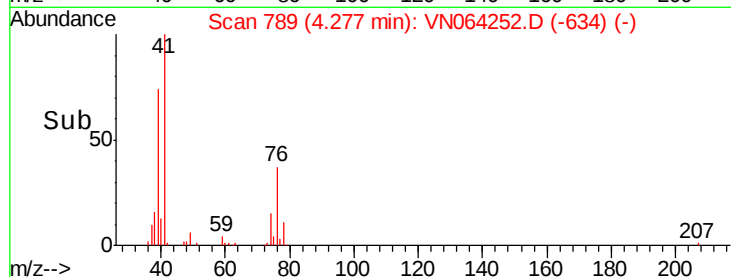
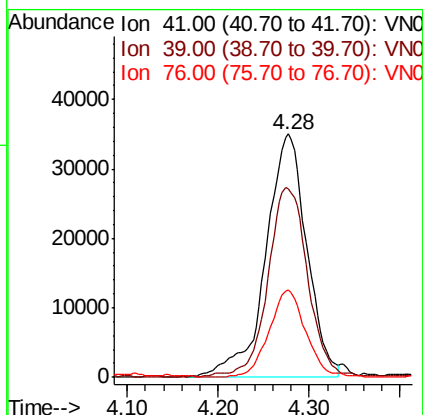
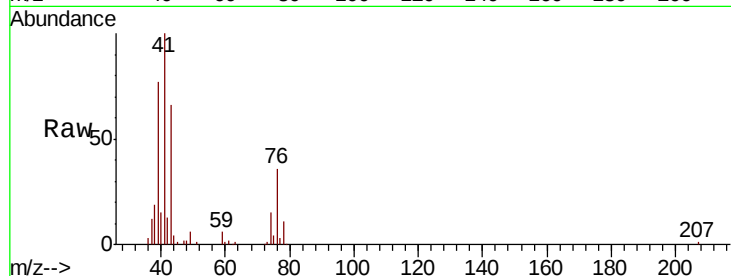




#17
Allvl chloride
Concen: 21.960 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

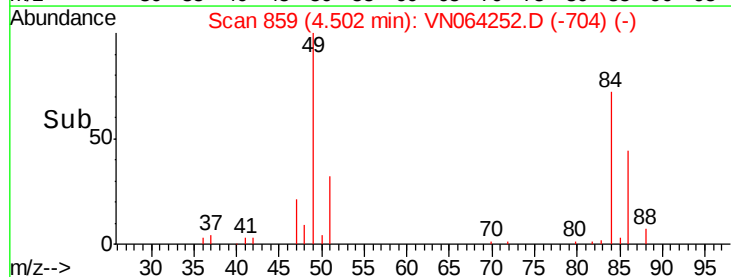
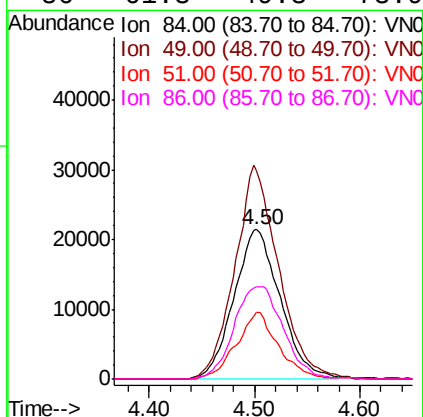
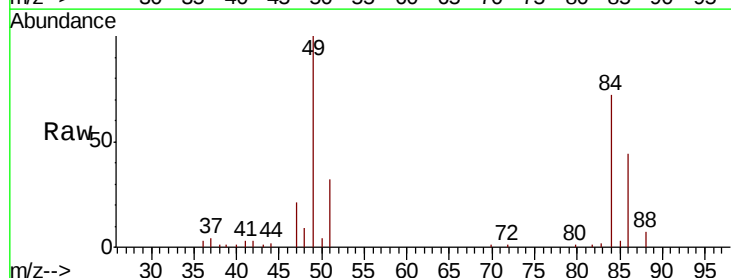
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

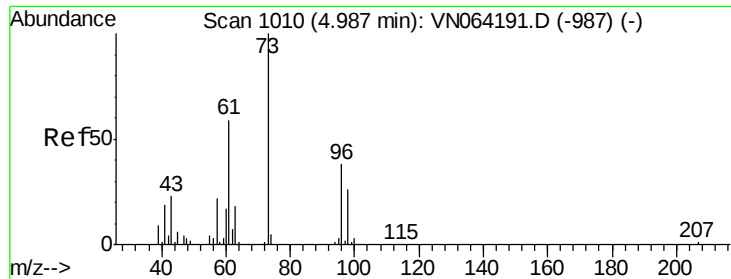
Tot Ion: 41 Resp: 109733
Ion Ratio Lower Upper
41 100
39 77.2 36.8 110.4
76 35.5 18.8 56.4



#18
Methylene Chloride
Concen: 21.261 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Tgt Ion: 84 Resp: 65348
Ion Ratio Lower Upper
84 100
49 139.8 97.6 146.4
51 44.2 31.1 46.7
86 61.3 49.3 73.9

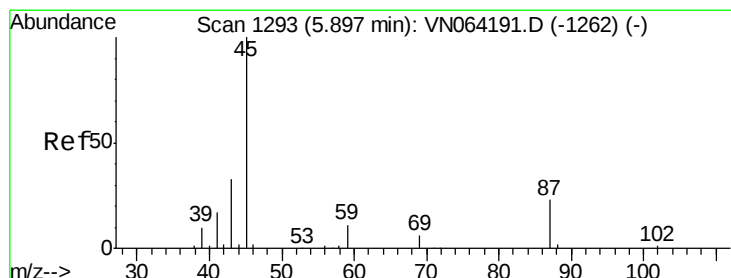
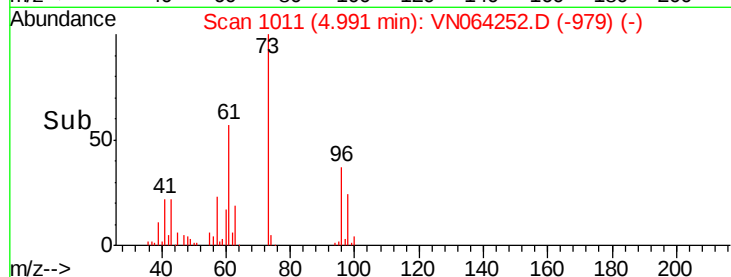
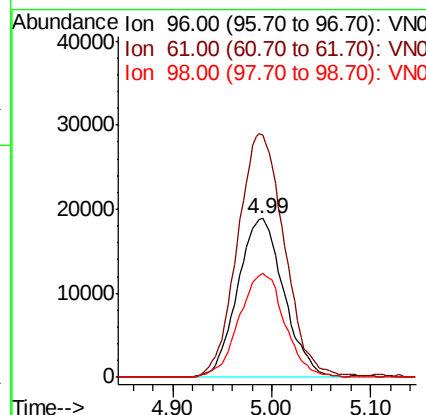
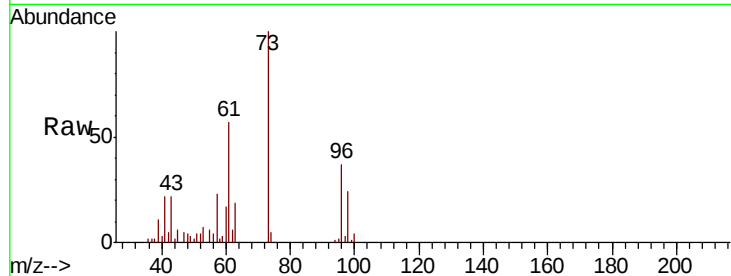




#19
trans-1,2-Dichloroethene
Concen: 21.199 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

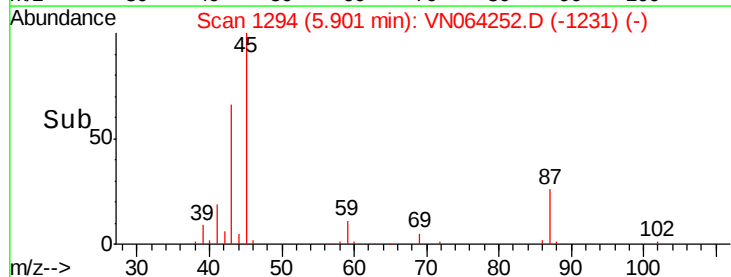
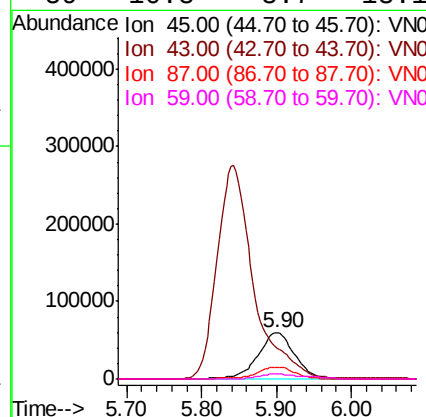
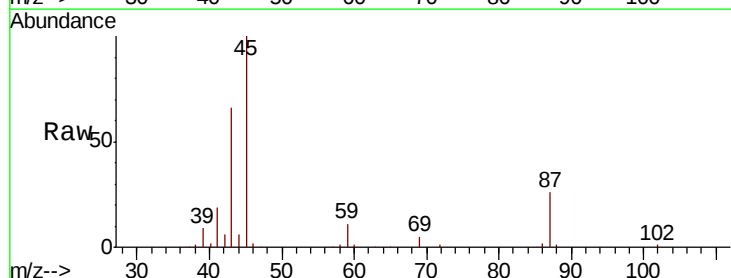
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

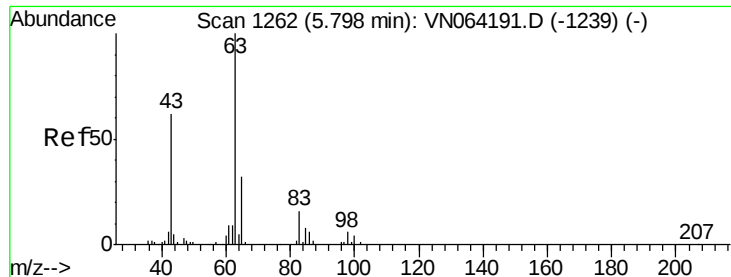
Tot Ion: 96 Resp: 61457
Ion Ratio Lower Upper
96 100
61 152.5 125.5 188.3
98 65.3 54.7 82.1



#20
Diisopropyl ether
Concen: 22.106 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Tgt Ion: 45 Resp: 204146
Ion Ratio Lower Upper
45 100
43 62.3 55.1 82.7
87 25.4 19.4 29.2
59 10.8 8.7 13.1





#21

1,1-Dichloroethane

Concen: 10.573 ug/l

RT: 5.79 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

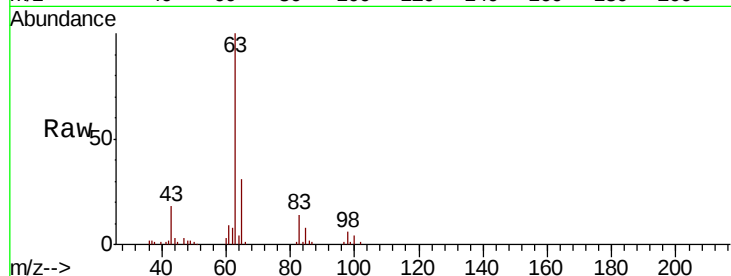
Tot Ion: 63 Resp: 59609

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.7

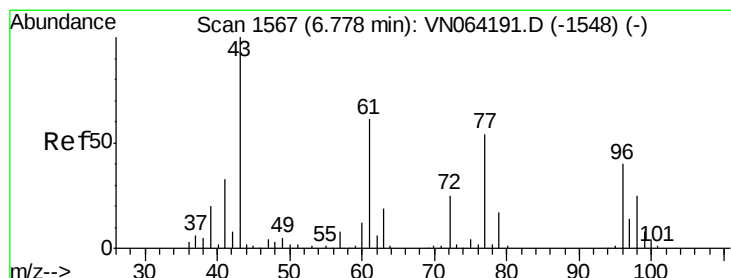
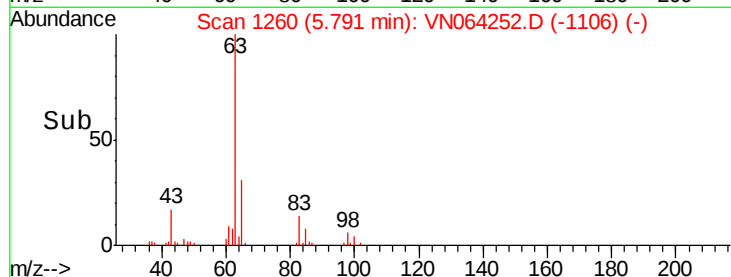
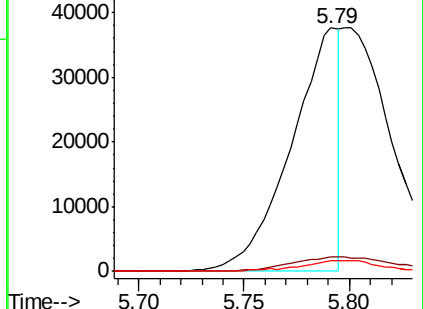
100 4.3 2.1 6.3



Abundance Ion 63.00 (62.70 to 63.70): VN064191.D (-1239) (-)

Ion 98.00 (97.70 to 98.70): VN064191.D (-1239) (-)

Ion 100.00 (99.70 to 100.70): VN064191.D (-1239) (-)



#22

cis-1,2-Dichloroethene

Concen: 21.467 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

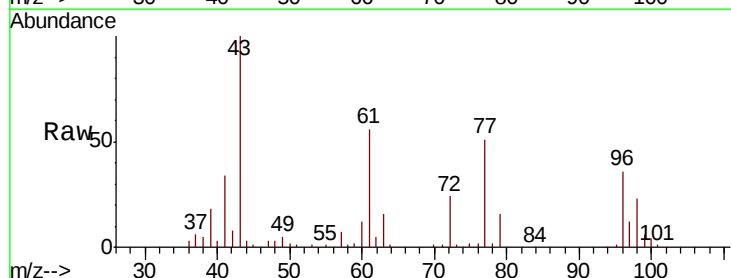
Tgt Ion: 96 Resp: 72751

Ion Ratio Lower Upper

96 100

61 163.0 126.2 189.4

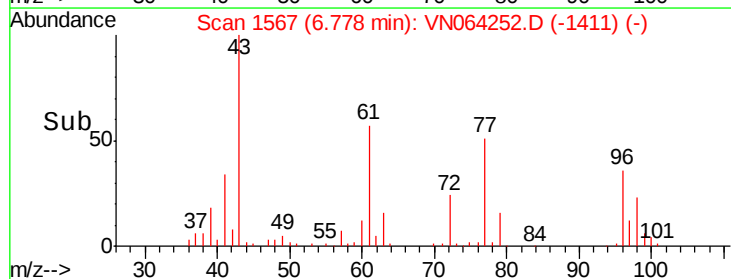
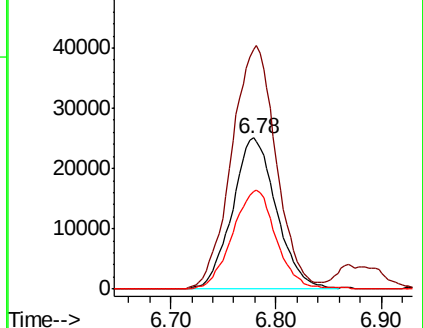
98 64.4 50.2 75.4

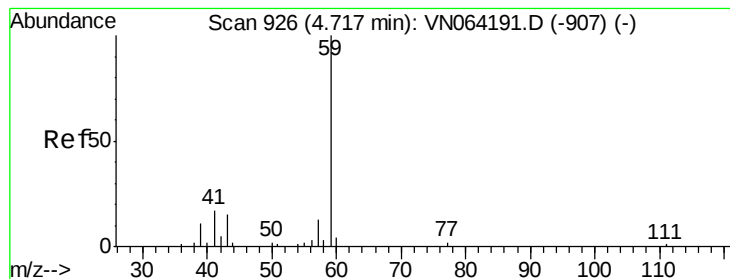


Abundance Ion 96.00 (95.70 to 96.70): VN064191.D (-1548) (-)

Ion 61.00 (60.70 to 61.70): VN064191.D (-1548) (-)

Ion 98.00 (97.70 to 98.70): VN064191.D (-1548) (-)





#23

tert-Butyl Alcohol

Concen: 113.582 ug/l

RT: 4.73 min Scan# 929

Delta R.T. 0.01 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

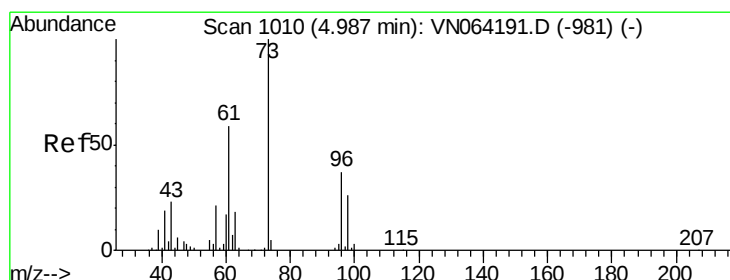
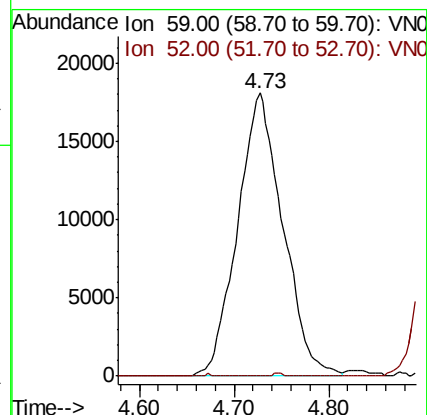
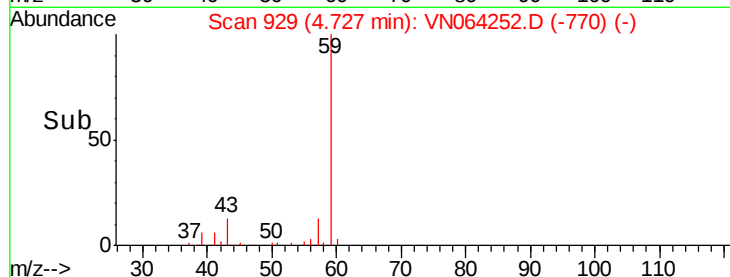
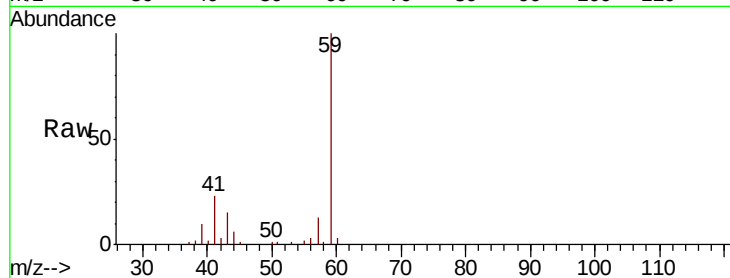
VSTDCCC020

Tot Ion: 59 Resp: 59964

Ion Ratio Lower Upper

59 100

52 0.2 0.0 0.0#



#24

Methyl tert-Butyl Ether

Concen: 22.471 ug/l

RT: 5.00 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VN064252.D

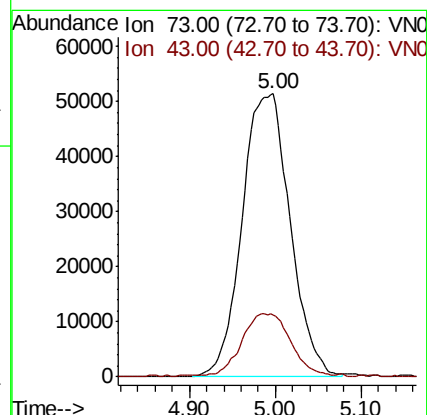
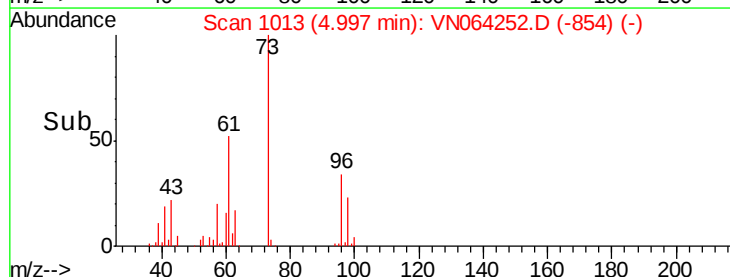
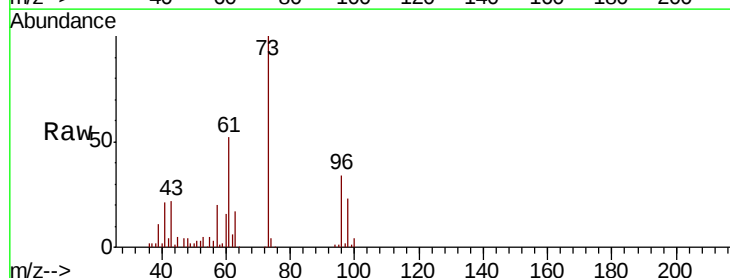
Acq: 22 Oct 2020 14:35

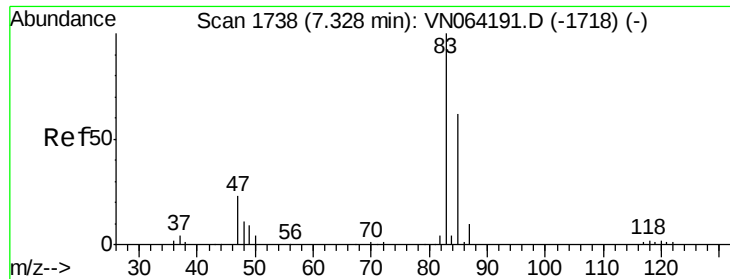
Tgt Ion: 73 Resp: 199551

Ion Ratio Lower Upper

73 100

43 11.8 18.2 27.2#

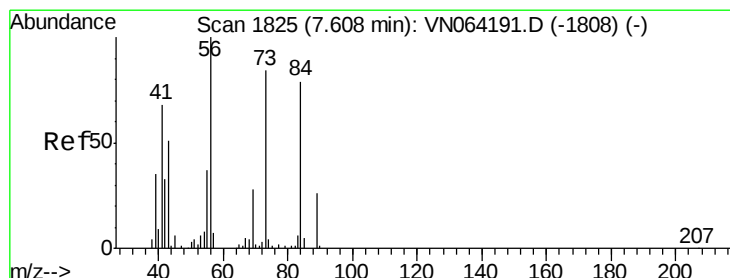
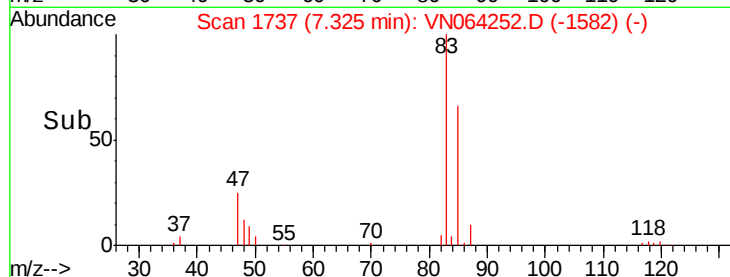
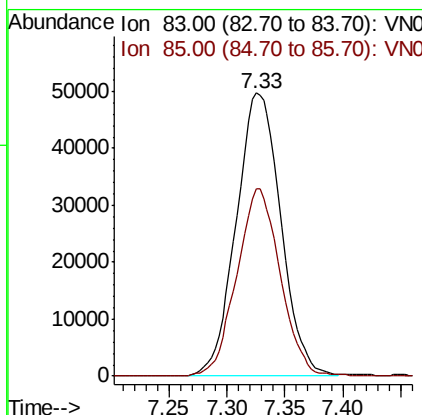
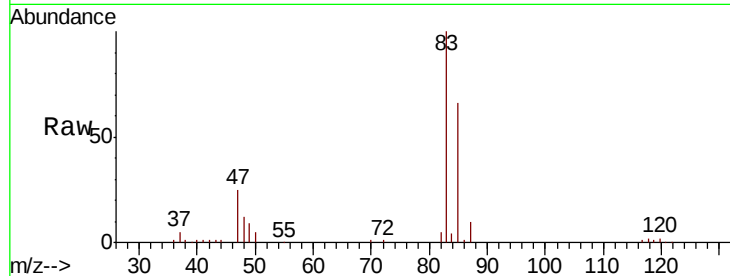




#25
Chloroform
Concen: 22.766 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

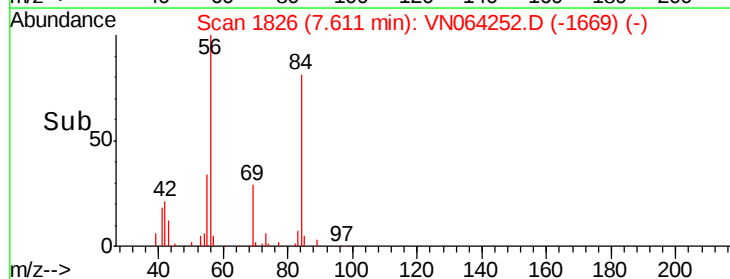
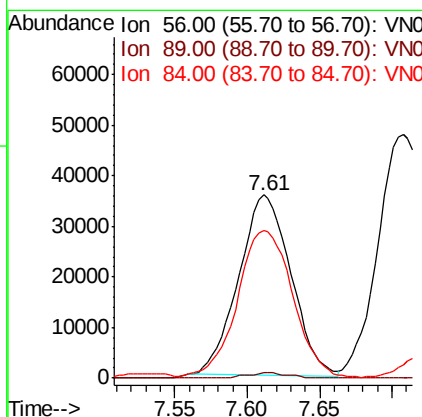
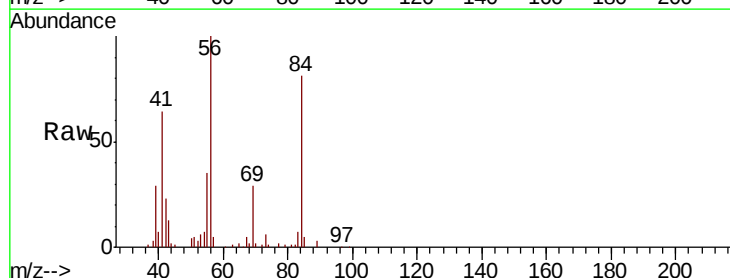
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

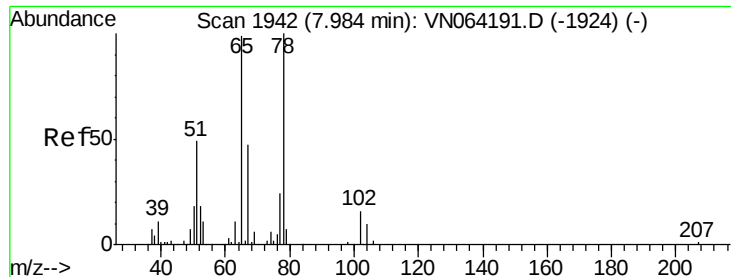
Tot Ion: 83 Resp: 133357
Ion Ratio Lower Upper
83 100
85 66.1 49.7 74.5



#26
Cyclohexane
Concen: 19.959 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Tgt Ion: 56 Resp: 89220
Ion Ratio Lower Upper
56 100
89 1.8 21.4 32.0#
84 85.9 65.8 98.6





#27

1,2-Dichloroethane-d4

Concen: 33.665 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

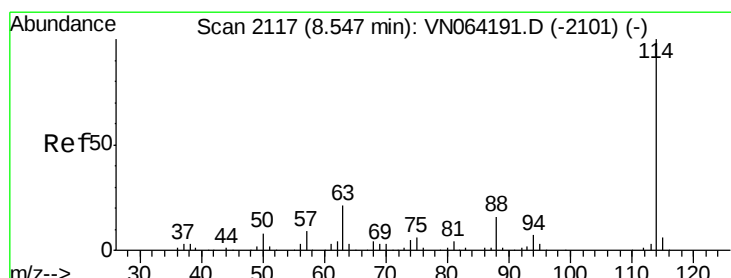
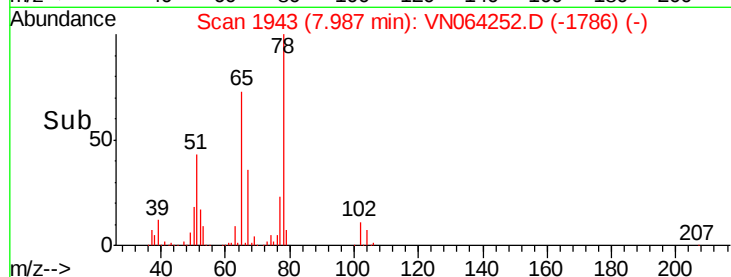
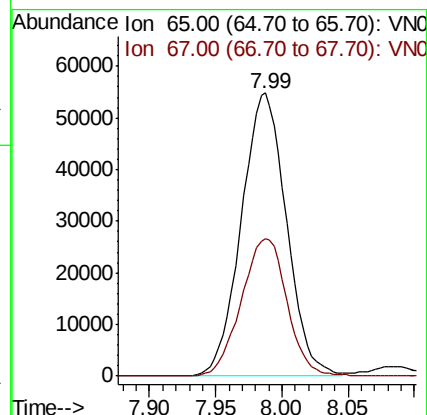
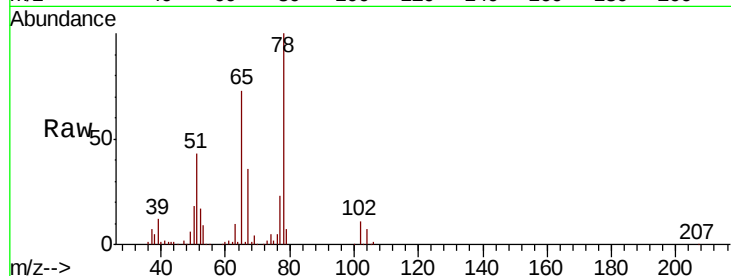
VSTDCCC020

Tot Ion: 65 Resp: 129809

Ion Ratio Lower Upper

65 100

67 49.0 39.8 59.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

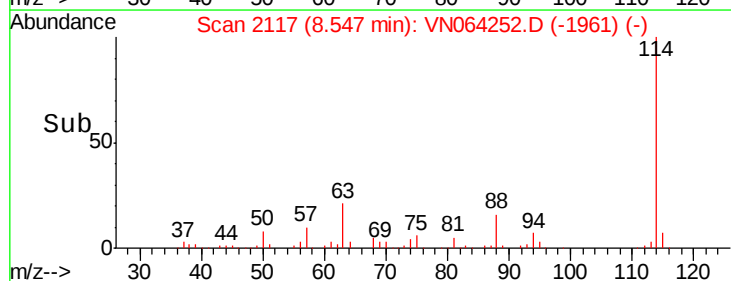
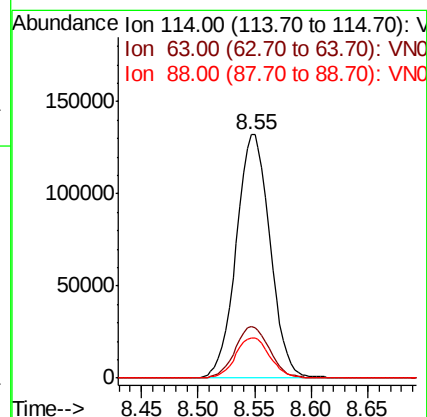
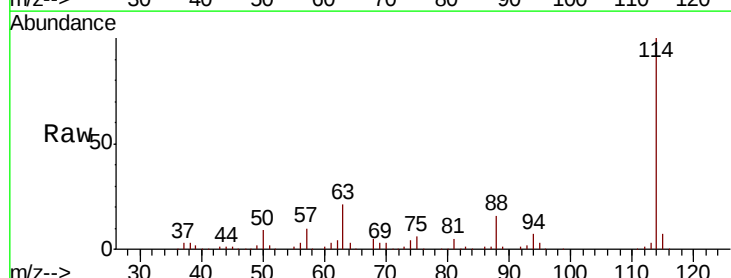
Tgt Ion: 114 Resp: 275918

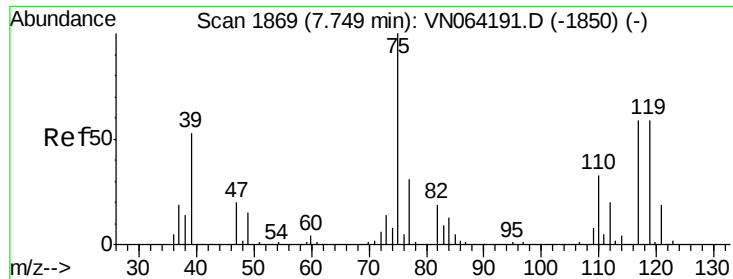
Ion Ratio Lower Upper

114 100

63 21.6 17.0 25.4

88 16.7 13.0 19.4

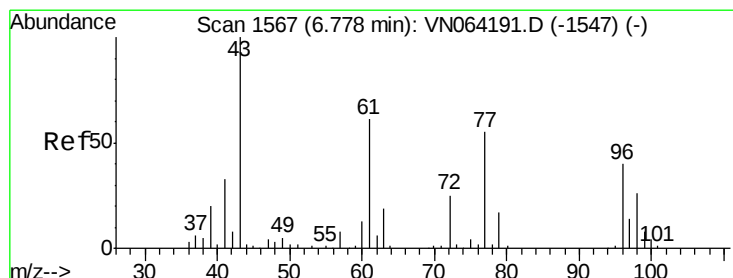
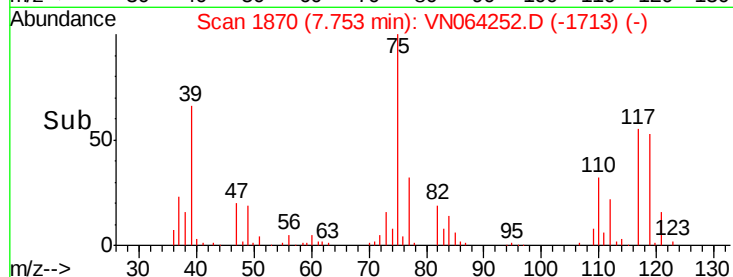
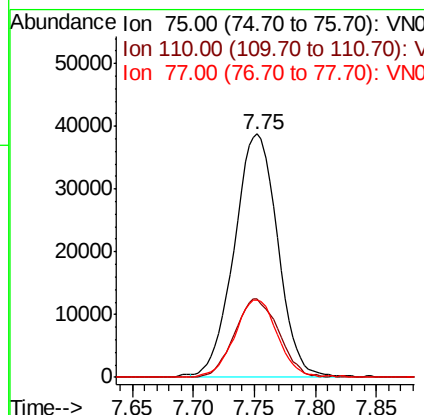
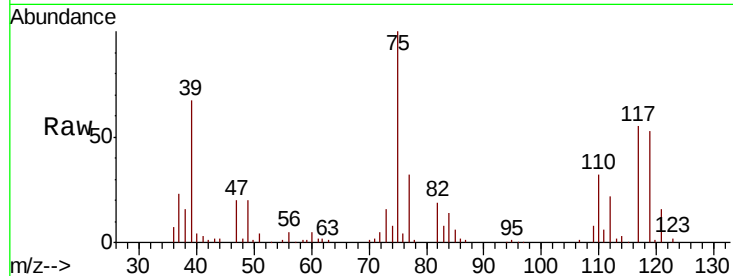




#29
 1,1-Dichloropropene
 Concen: 20.915 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

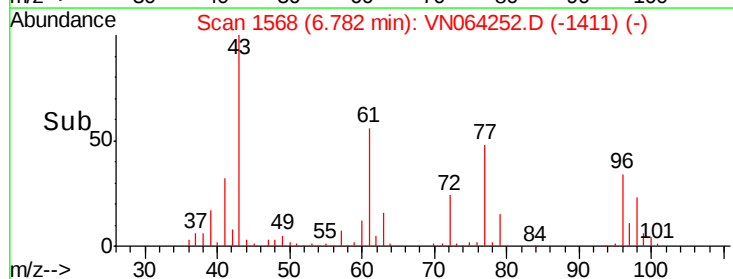
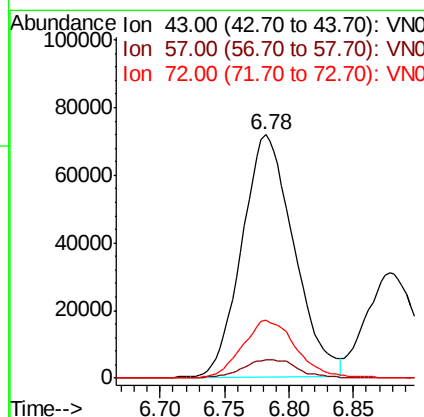
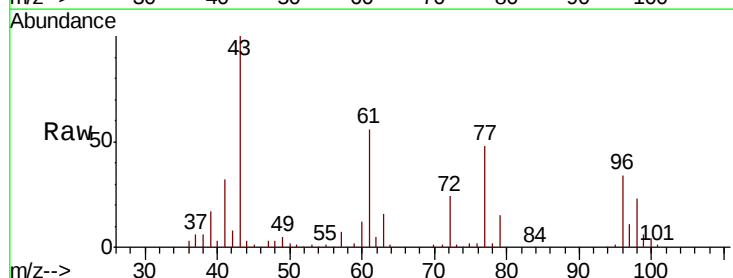
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

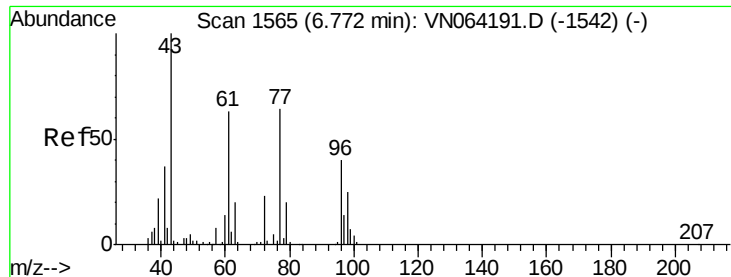
Tot Ion	Ratio	Lower	Upper
75	100		
110	32.6	0.0	66.8
77	31.3	0.0	63.6



#30
 2-Butanone
 Concen: 107.137 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	5.8	8.6
72	24.5	19.8	29.8





#31

2,2-Dichloropropane

Concen: 20.147 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

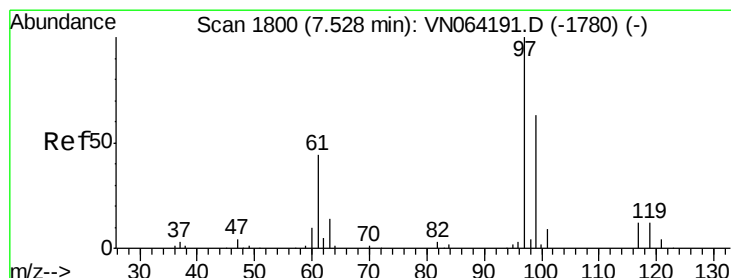
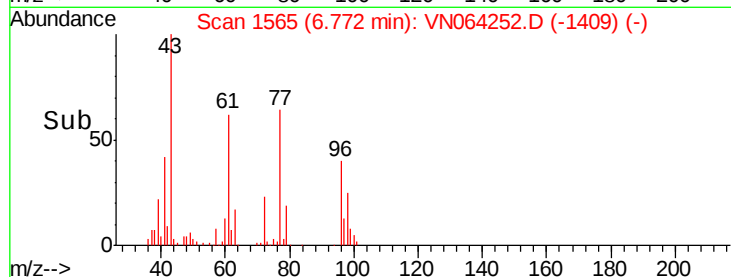
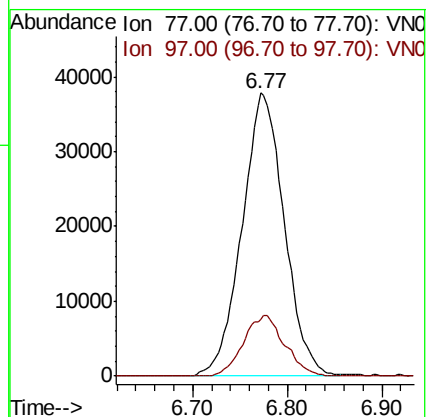
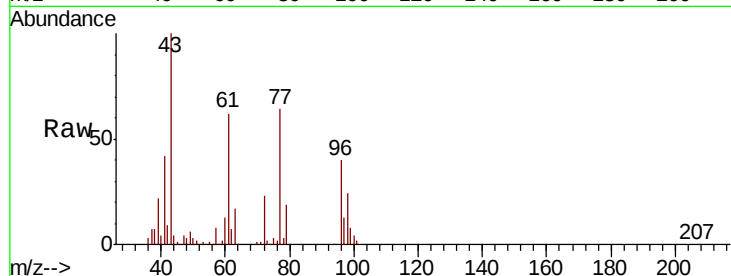
VSTDCCC020

Tot Ion: 77 Resp: 117204

Ion Ratio Lower Upper

77 100

97 20.8 17.3 25.9



#32

1,1,1-Trichloroethane

Concen: 21.445 ug/l

RT: 7.52 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

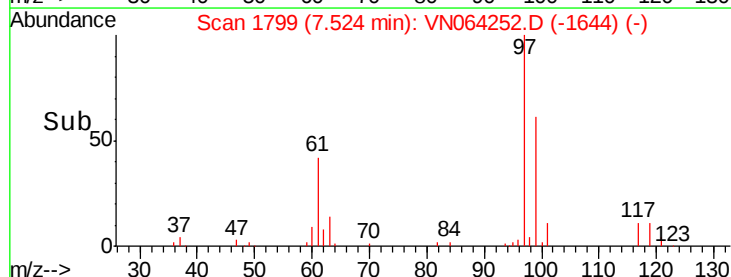
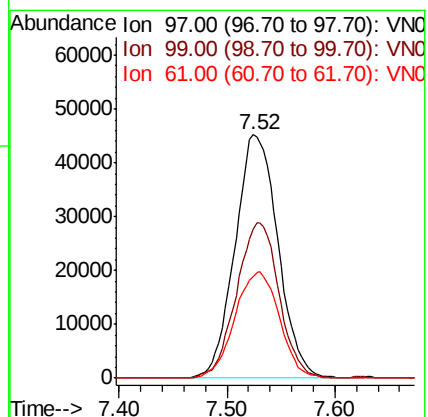
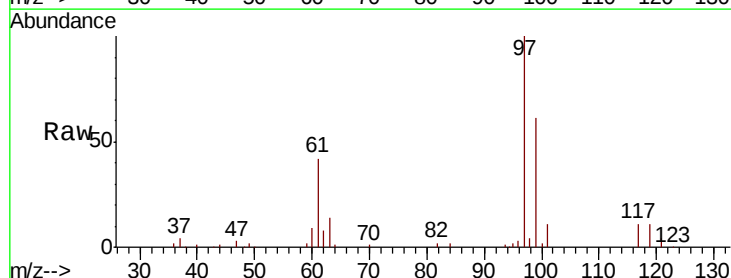
Tgt Ion: 97 Resp: 125203

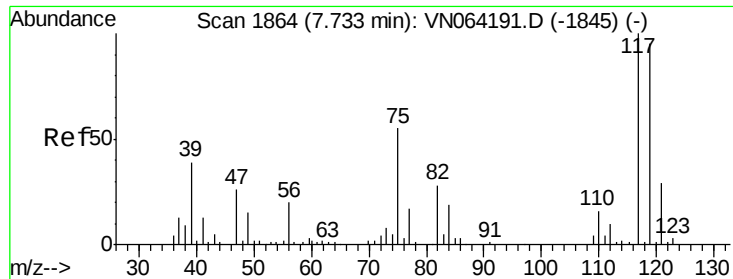
Ion Ratio Lower Upper

97 100

99 63.1 51.3 76.9

61 45.3 34.8 52.2

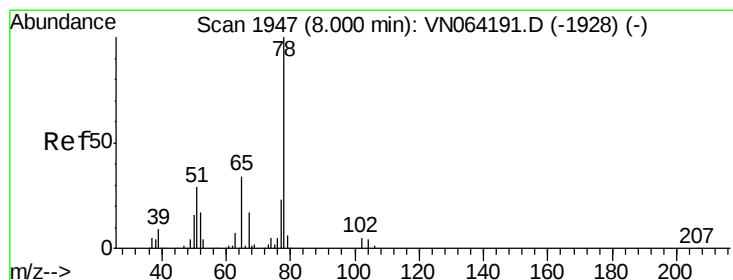
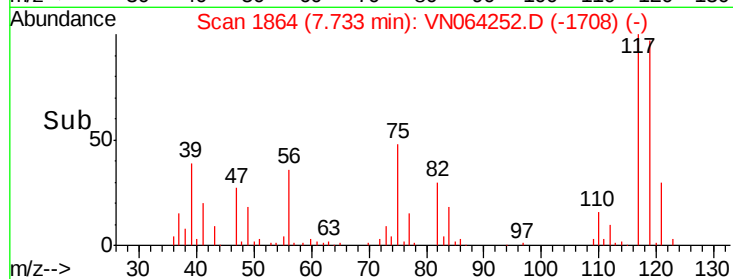
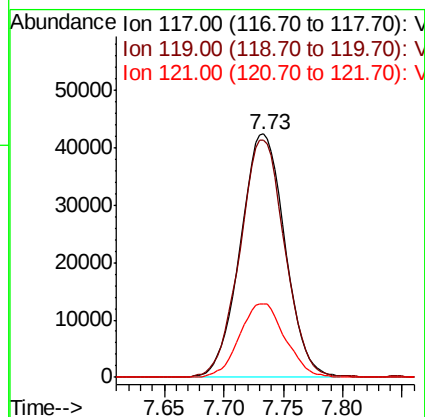
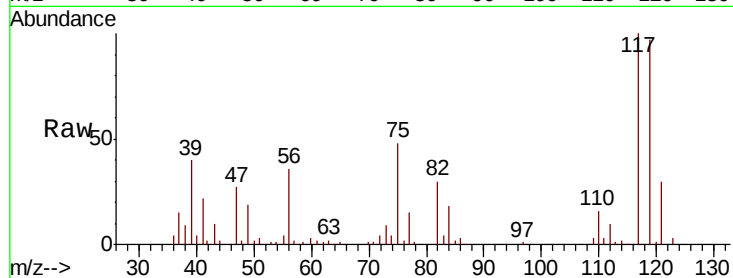




#33
Carbon Tetrachloride
Concen: 20.691 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

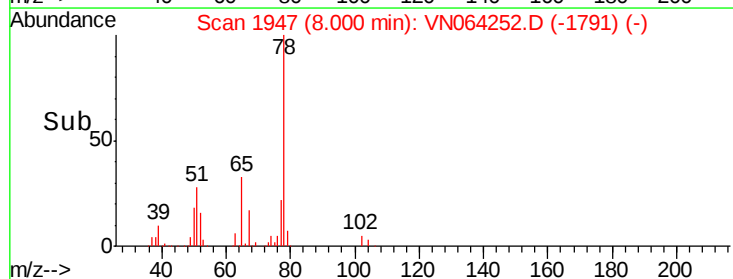
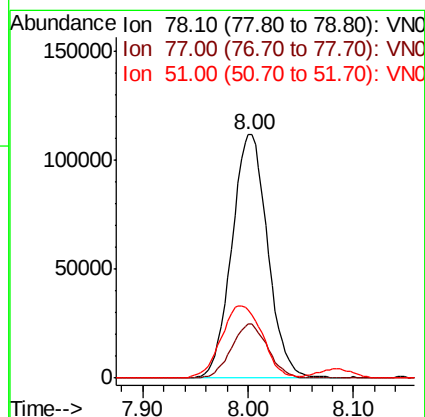
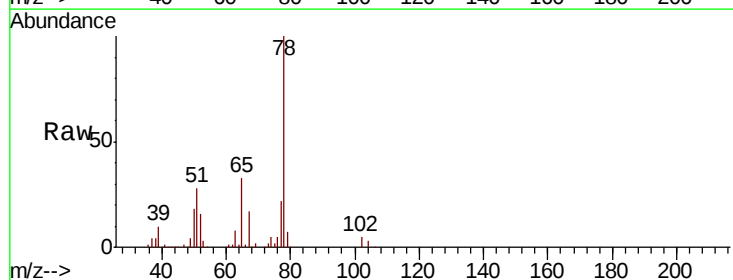
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

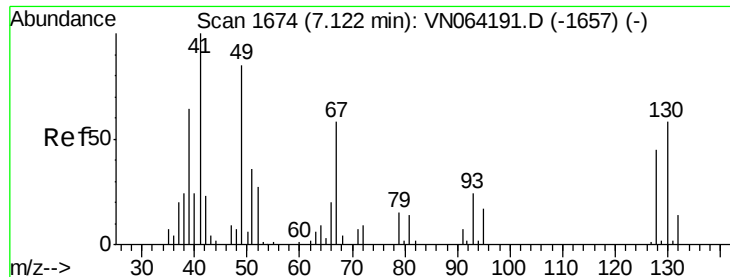
Tot Ion:117 Resp: 110129
Ion Ratio Lower Upper
117 100
119 97.3 76.0 114.0
121 30.3 23.0 34.6



#34
Benzene
Concen: 20.673 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Tgt Ion: 78 Resp: 263794
Ion Ratio Lower Upper
78 100
77 22.4 18.4 27.6
51 27.5 23.0 34.6

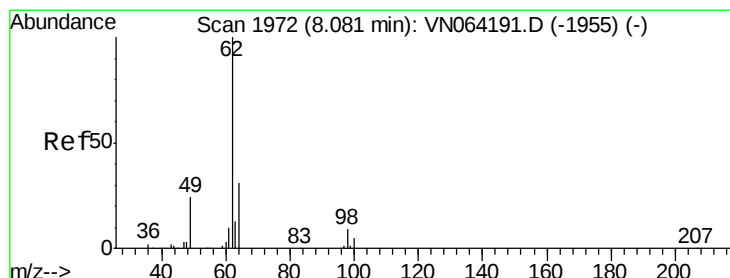
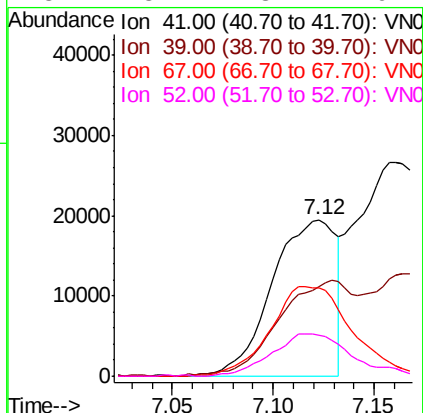
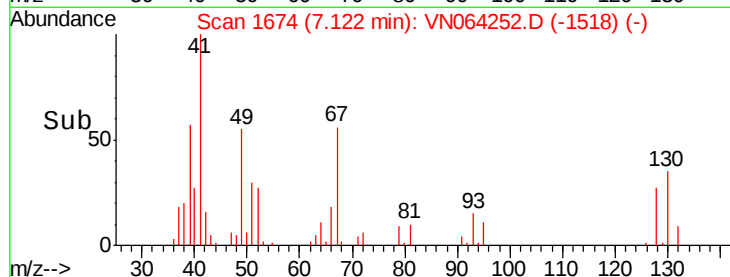
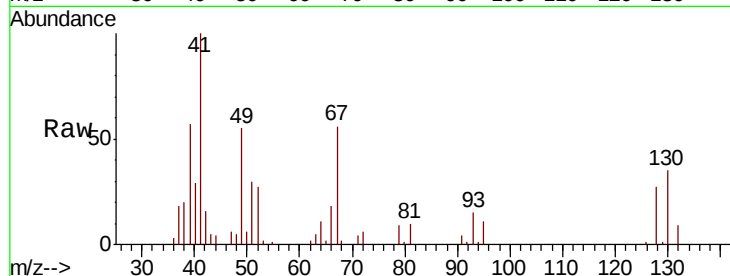




#35
Methacrylonitrile
Concen: 20.701 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

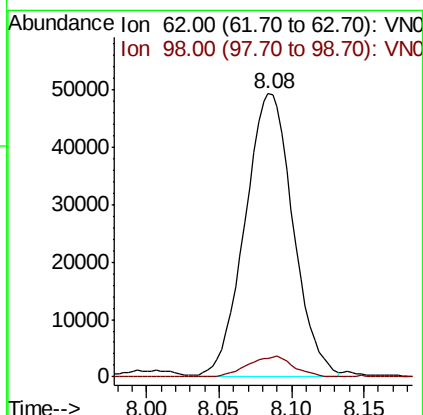
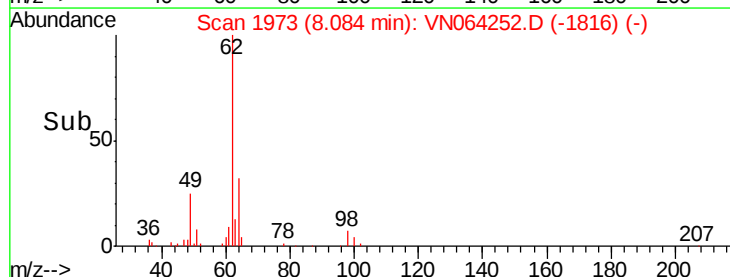
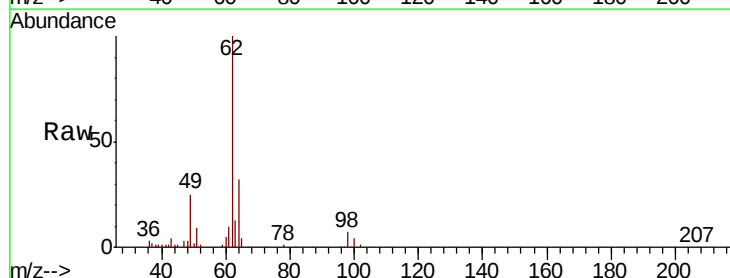
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

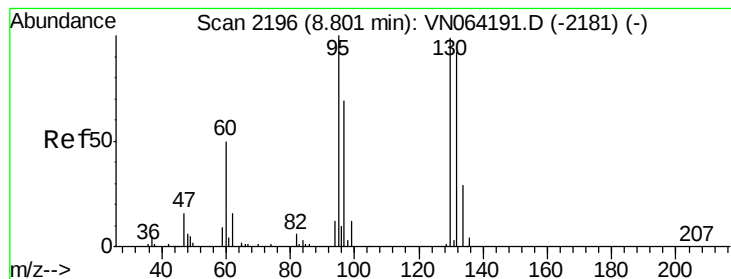
Tot Ion:	41	Resp:	42906
Ion	Ratio	Lower	Upper
41	100		
39	55.6	32.1	96.3
67	56.2	28.9	86.8
52	25.7	13.4	40.2



#36
1,2-Dichloroethane
Concen: 22.123 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Tgt Ion:	62	Resp:	114175
Ion	Ratio	Lower	Upper
62	100		
98	6.9	6.3	9.5





#37

Trichloroethene

Concen: 20.525 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

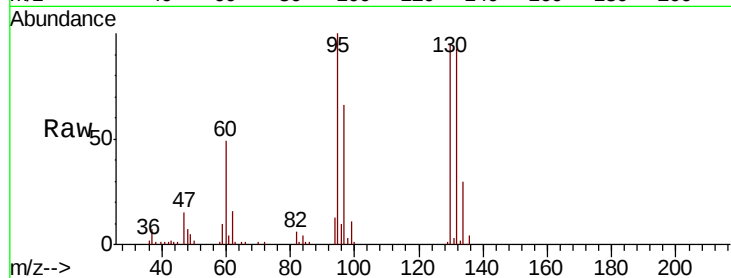
VSTDCCC020

Tot Ion:130 Resp: 72110

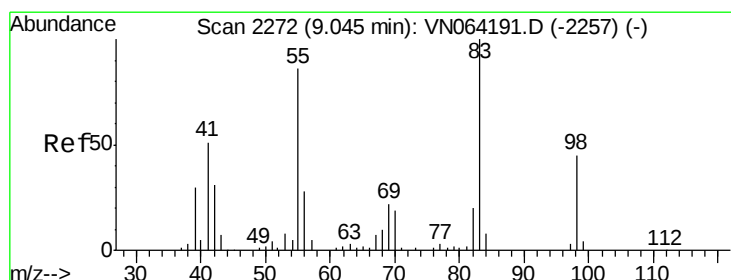
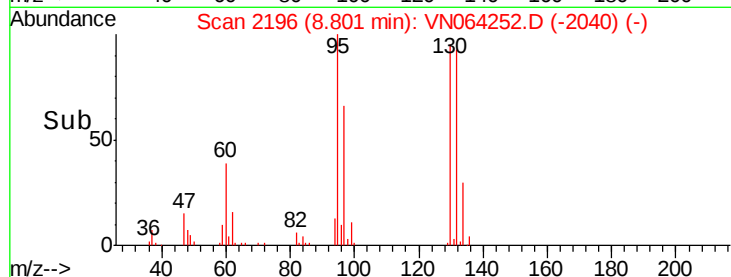
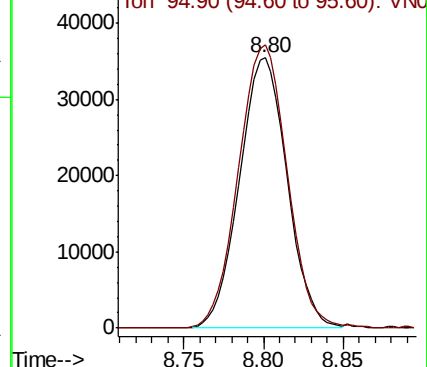
Ion Ratio Lower Upper

130 100

95 104.2 81.0 121.4



Abundance Ion 129.90 (129.60 to 130.60): VN064191.D (-2181) (-)



#38

Methylcyclohexane

Concen: 19.077 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

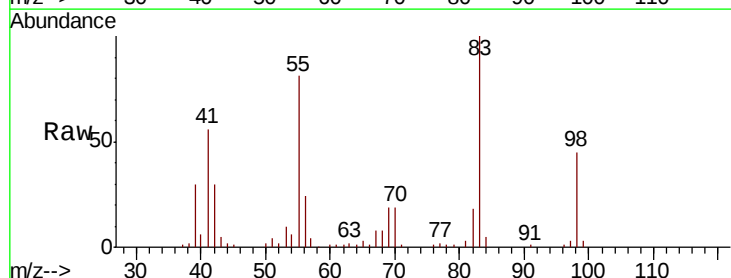
Tgt Ion: 83 Resp: 83605

Ion Ratio Lower Upper

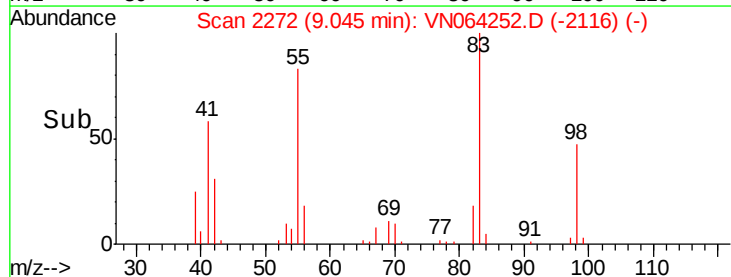
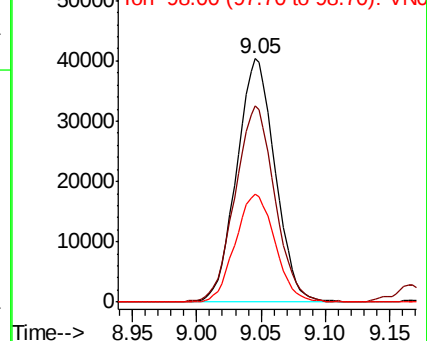
83 100

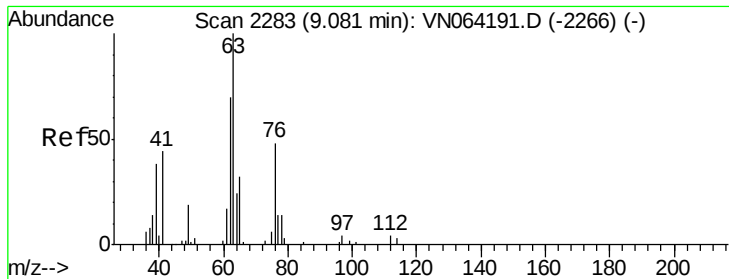
55 83.0 40.3 120.9

98 45.7 22.4 67.0



Abundance Ion 83.00 (82.70 to 83.70): VN064191.D (-2257) (-)





#39

1,2-Dichloropropane

Concen: 20.922 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

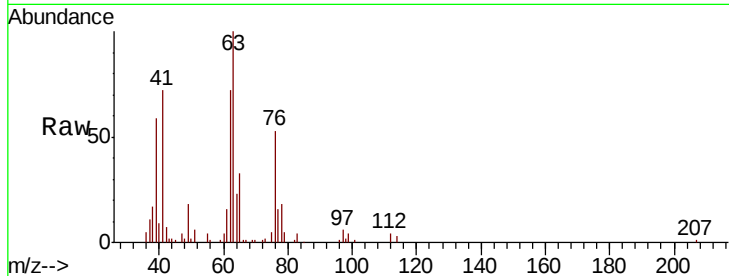
VSTDCCC020

Tot Ion: 63 Resp: 71244

Ion Ratio Lower Upper

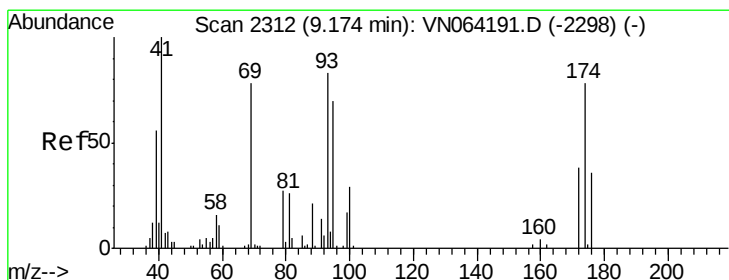
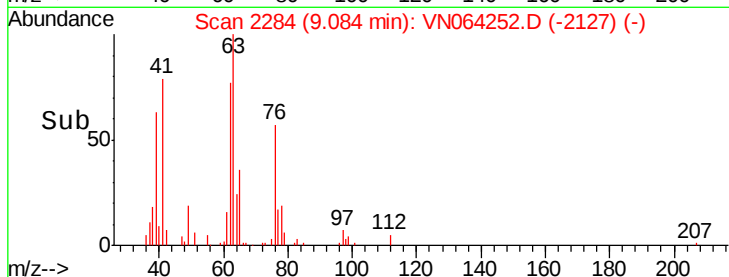
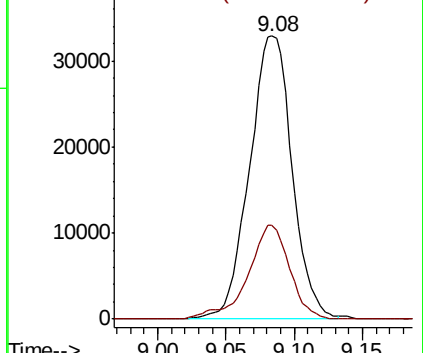
63 100

65 33.3 26.5 39.7



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 20.571 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

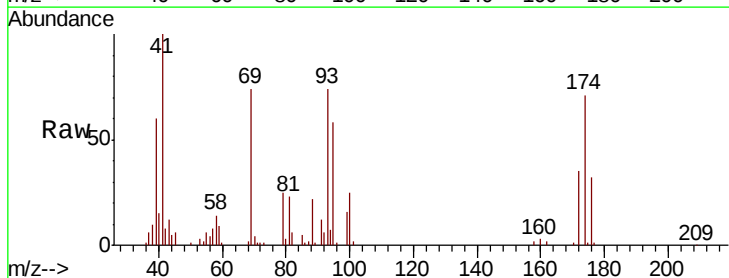
Tgt Ion: 93 Resp: 48738

Ion Ratio Lower Upper

93 100

95 81.4 0.0 169.2

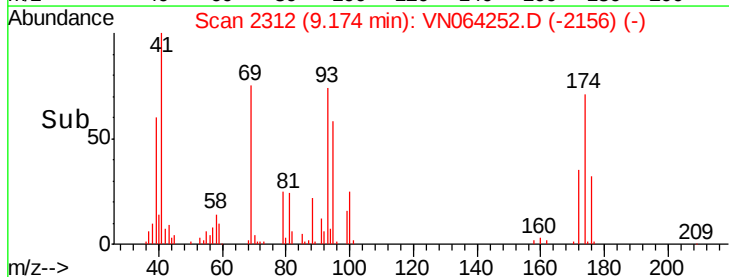
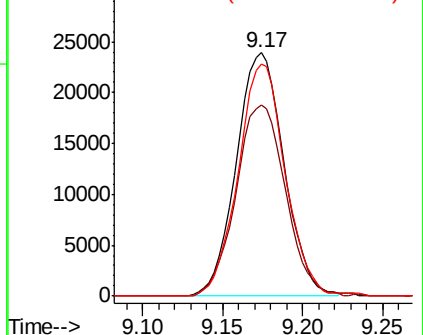
174 93.6 0.0 187.4

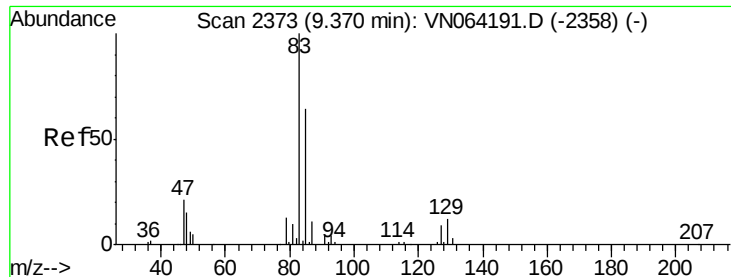


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 20.827 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

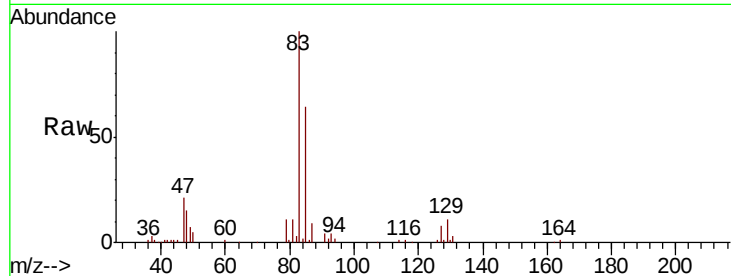
Tot Ion: 83 Resp: 106793

Ion Ratio Lower Upper

83 100

85 64.2 51.5 77.3

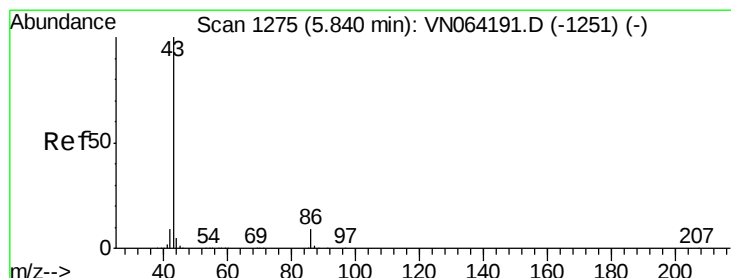
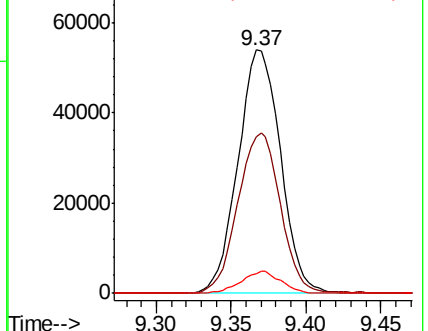
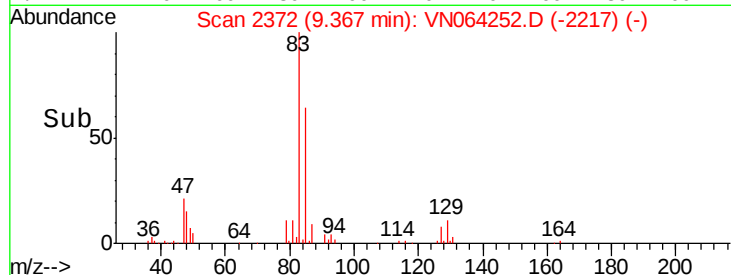
127 8.2 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VN064252.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN064252.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN064252.D (-2217) (-)



#42

Vinyl Acetate

Concen: 104.432 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN064252.D

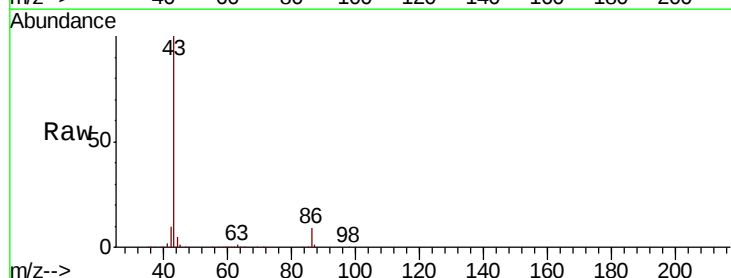
Acq: 22 Oct 2020 14:35

Tgt Ion: 43 Resp: 936827

Ion Ratio Lower Upper

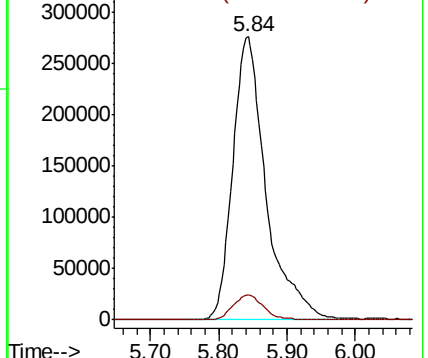
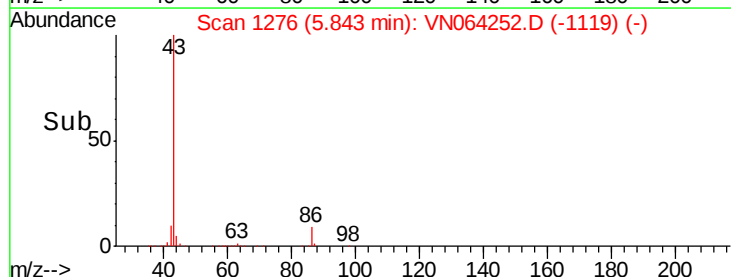
43 100

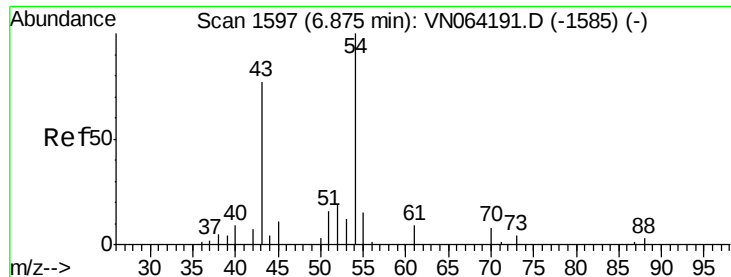
86 8.1 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VN064252.D (-1119) (-)

Ion 86.00 (85.70 to 86.70): VN064252.D (-1119) (-)





#43

Ethyl Acetate

Concen: 20.600 ug/l

RT: 6.88 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

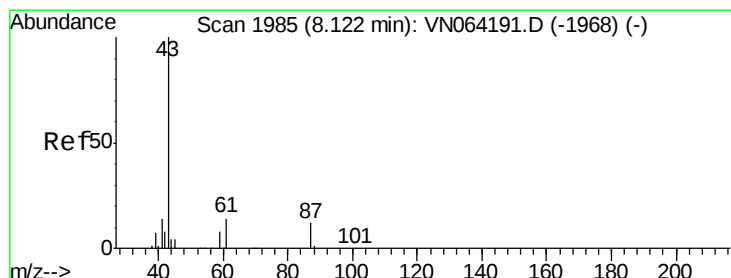
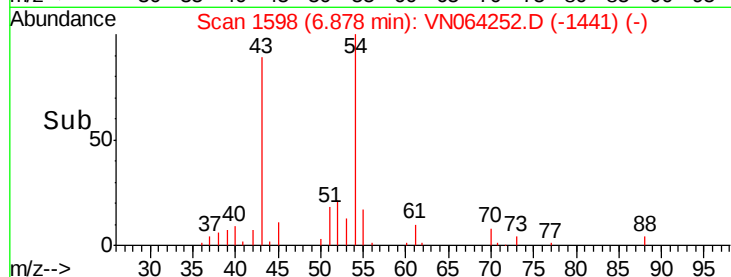
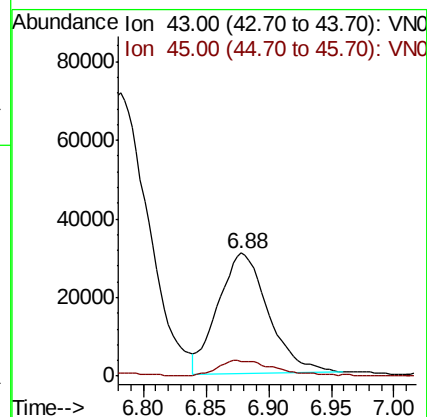
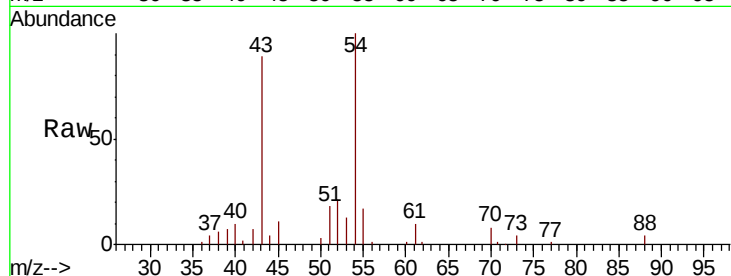
VSTDCCC020

Tot Ion: 43 Resp: 85013

Ion Ratio Lower Upper

43 100

45 6.4 9.8 14.8#



#44

Isopropyl Acetate

Concen: 20.895 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064252.D

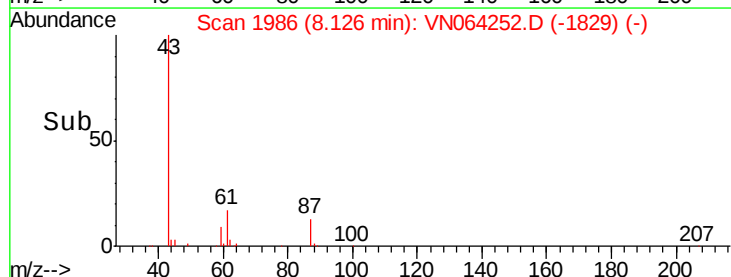
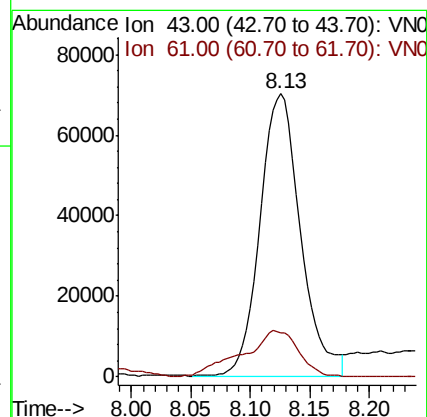
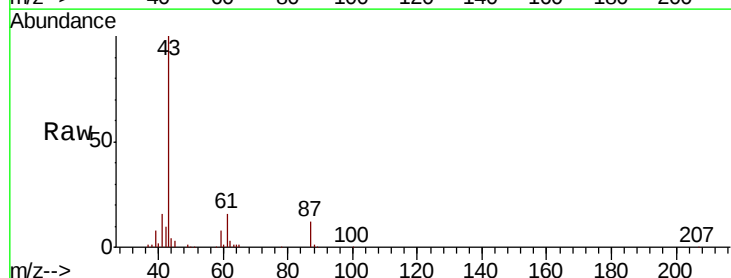
Acq: 22 Oct 2020 14:35

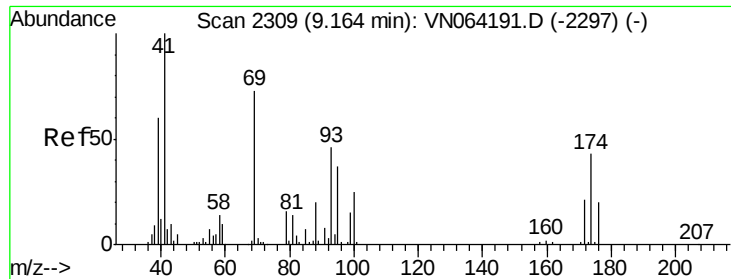
Tgt Ion: 43 Resp: 165551

Ion Ratio Lower Upper

43 100

61 22.8 18.7 28.1

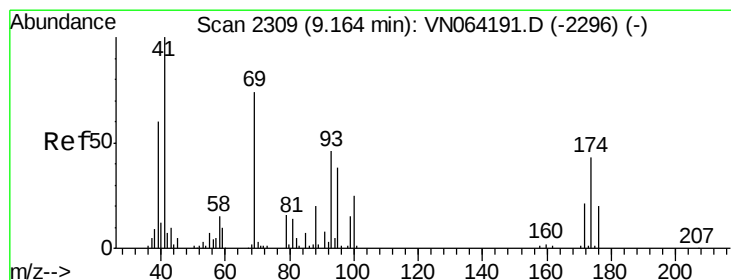
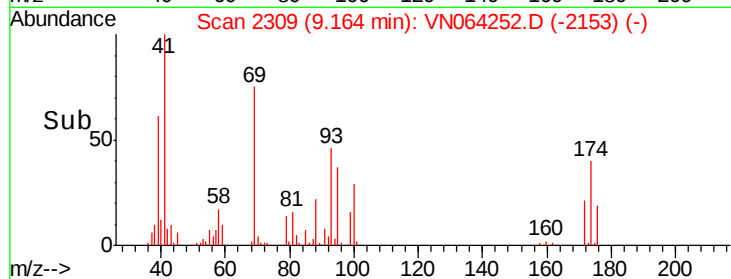
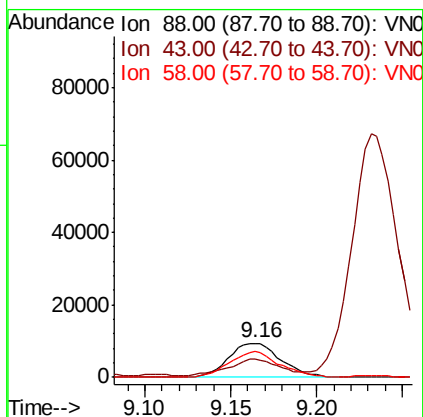
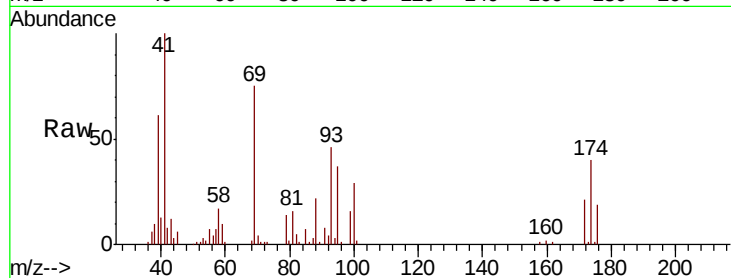




#45
 1,4-Dioxane
 Concen: 428.175 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

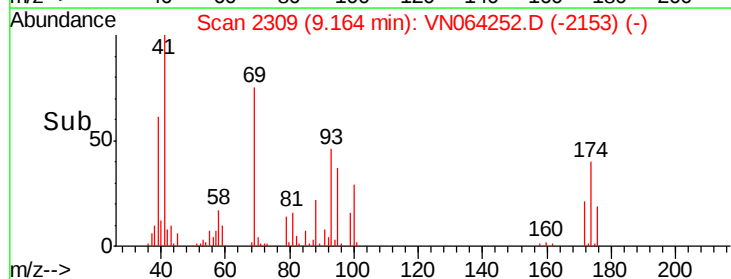
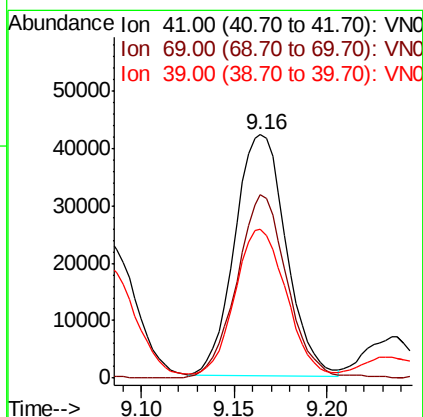
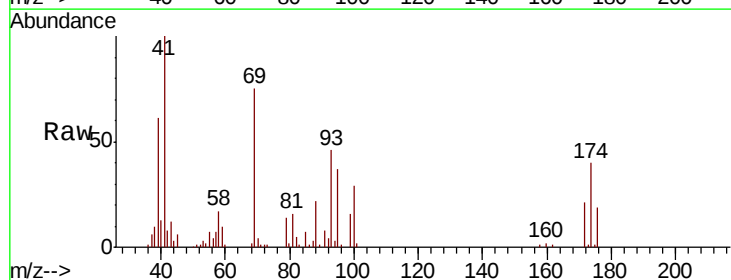
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

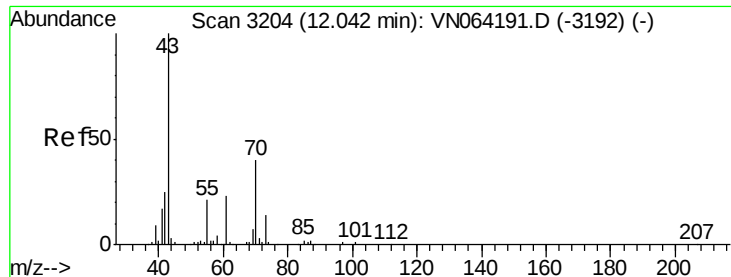
Tot Ion: 88 Resp: 19841
 Ion Ratio Lower Upper
 88 100
 43 43.8 37.0 55.4
 58 73.0 62.4 93.6



#46
 Methyl methacrylate
 Concen: 21.515 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

Tgt Ion: 41 Resp: 80885
 Ion Ratio Lower Upper
 41 100
 69 75.6 36.8 110.4
 39 60.6 30.4 91.2





#47

n-amvl Acetate

Concen: 19.389 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

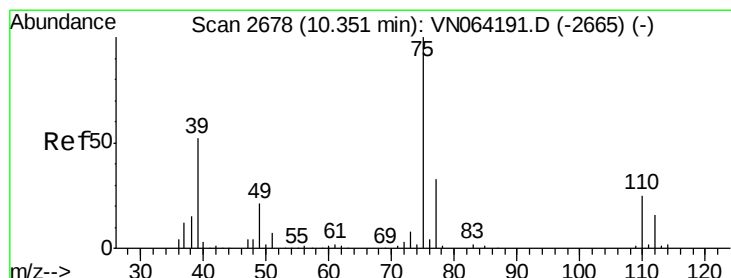
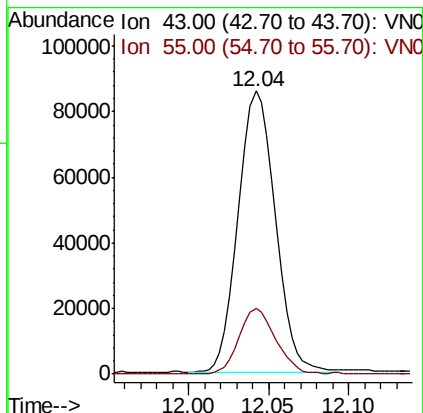
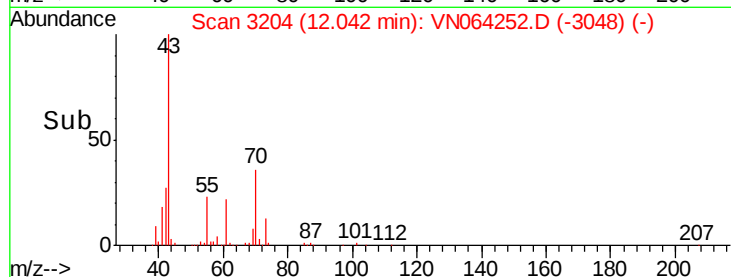
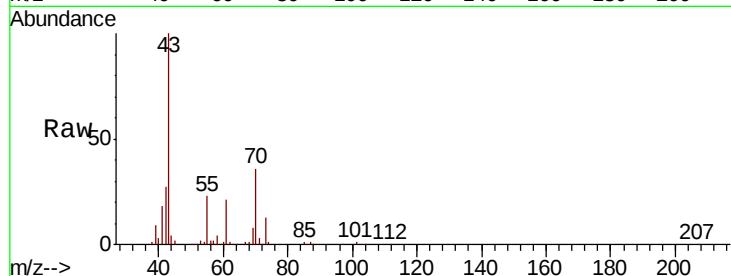
VSTDCCC020

Tot Ion: 43 Resp: 136277

Ion Ratio Lower Upper

43 100

55 22.9 17.6 26.4



#48

t-1,3-Dichloropropene

Concen: 20.853 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN064252.D

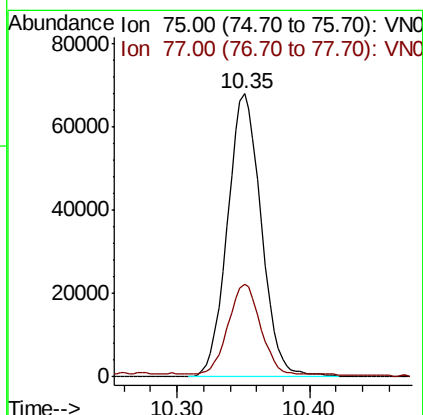
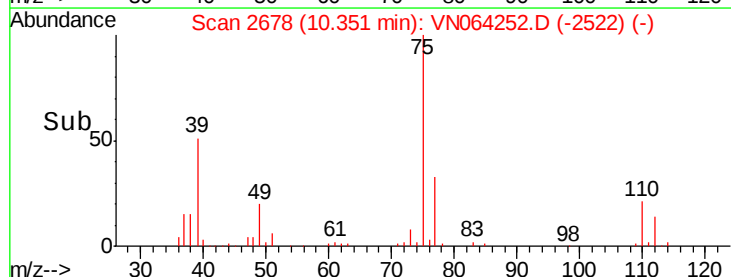
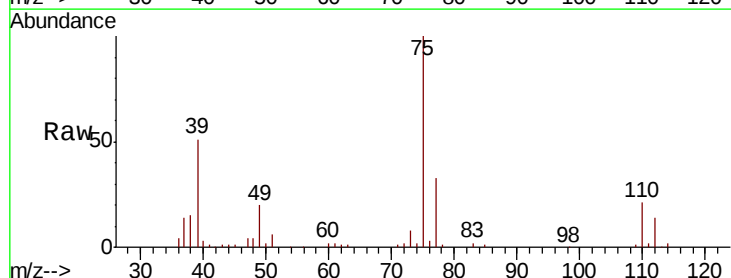
Acq: 22 Oct 2020 14:35

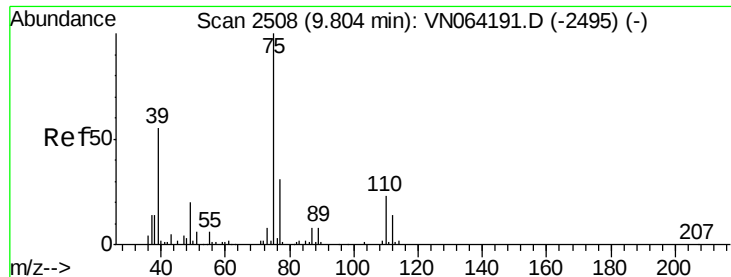
Tgt Ion: 75 Resp: 120589

Ion Ratio Lower Upper

75 100

77 32.2 27.4 41.2



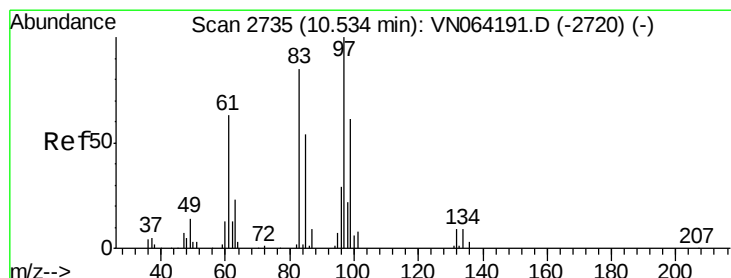
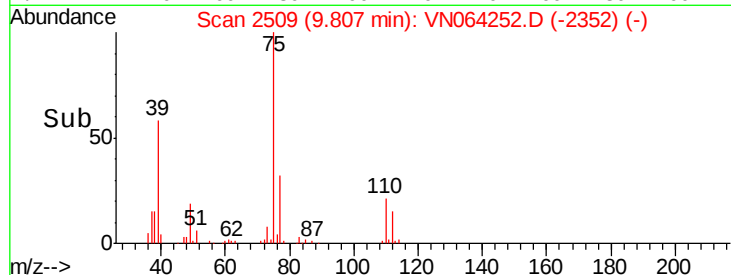
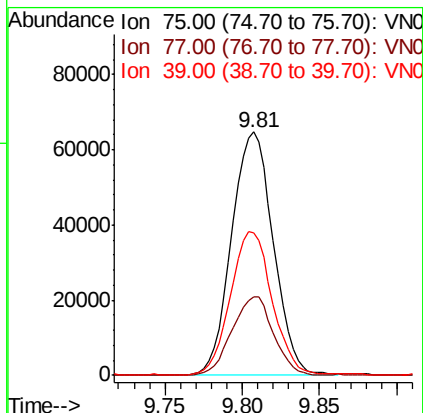
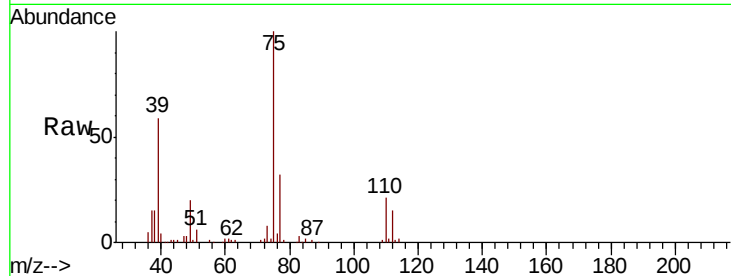


#49

cis-1,3-Dichloropropene
 Concen: 20.281 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

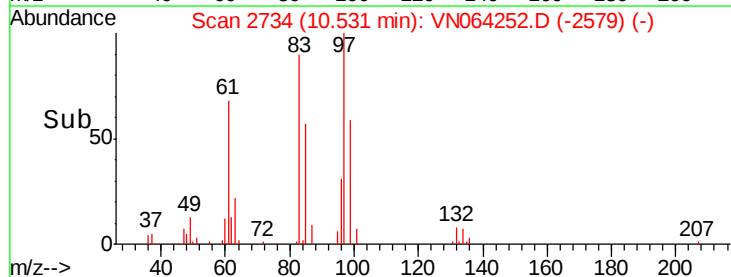
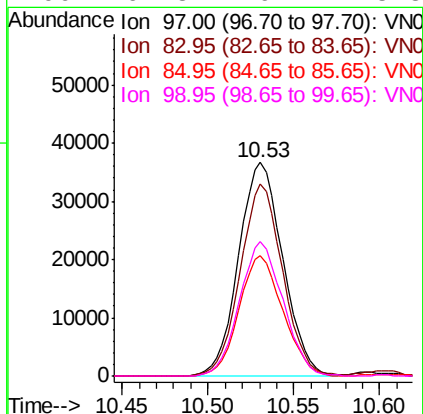
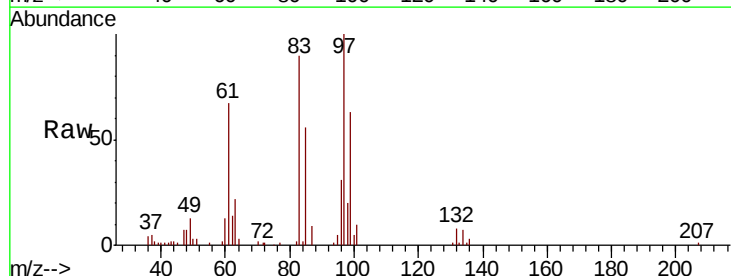
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.5	36.7
39	58.4	43.8	65.8

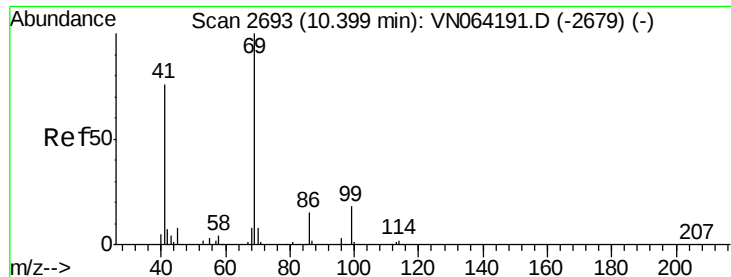


#50

1,1,2-Trichloroethane
 Concen: 20.659 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.7	67.7	101.5
85	56.5	43.2	64.8
99	62.8	49.2	73.8





#51

Ethyl methacrylate

Concen: 20.116 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

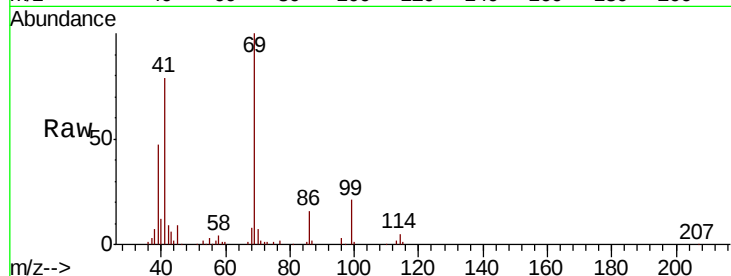
MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 69 Resp: 100967

Ion	Ratio	Lower	Upper
69	100		
41	78.2	38.0	114.1
39	46.1	21.4	64.3

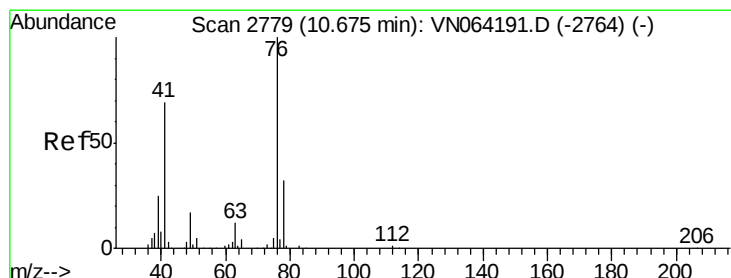
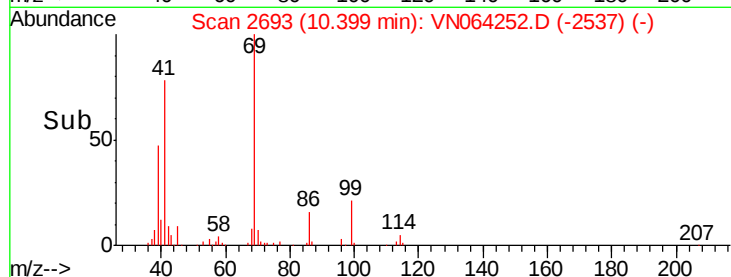
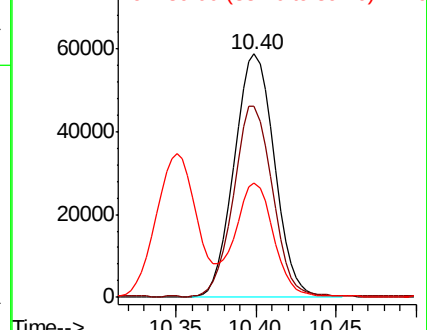


Abundance

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: 21.140 ug/l

RT: 10.68 min Scan# 2780

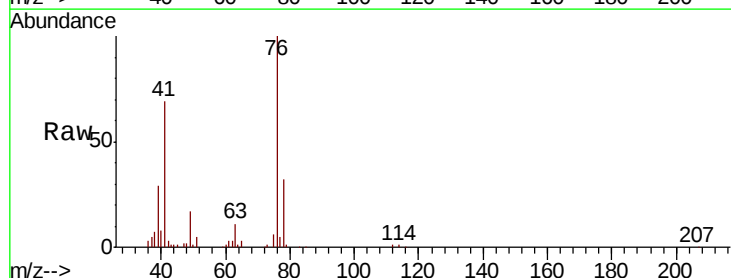
Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Tgt Ion: 76 Resp: 115683

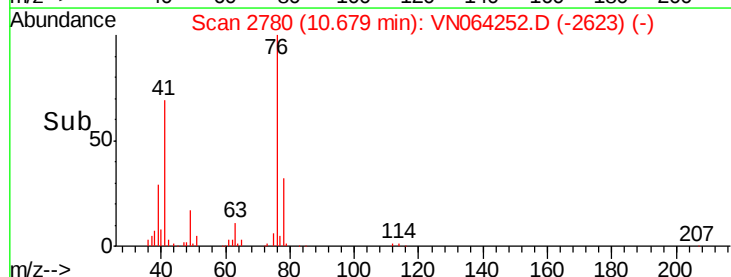
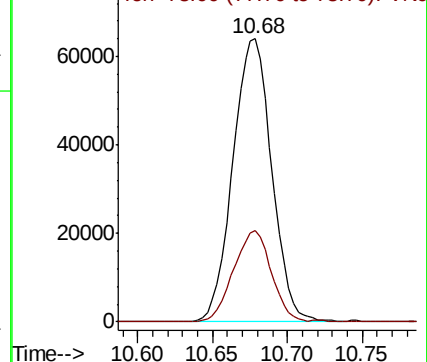
Ion	Ratio	Lower	Upper
76	100		
78	31.3	0.0	64.4

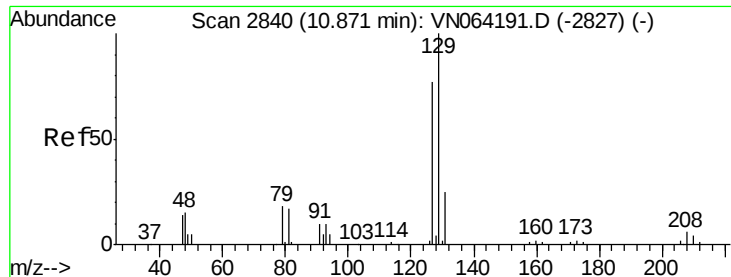


Abundance

Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 20.768 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampled :

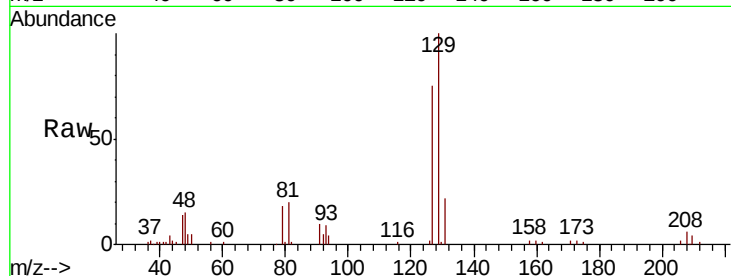
VSTDCCC020

Tot Ion:129 Resp: 82969

Ion Ratio Lower Upper

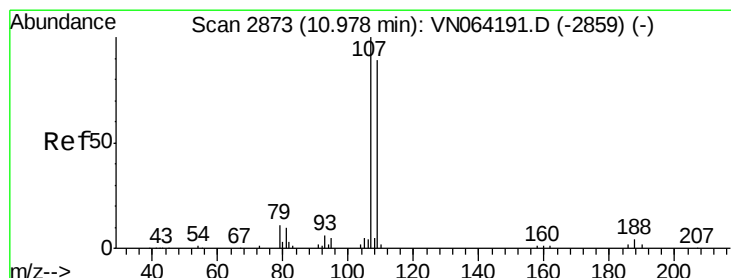
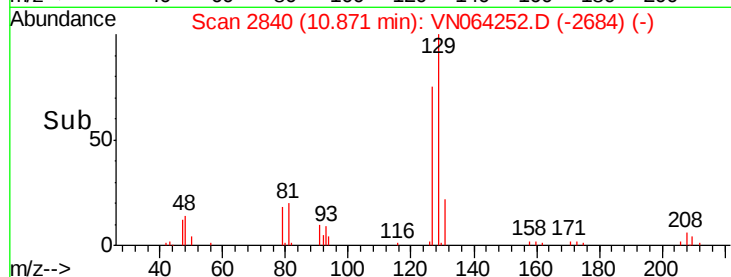
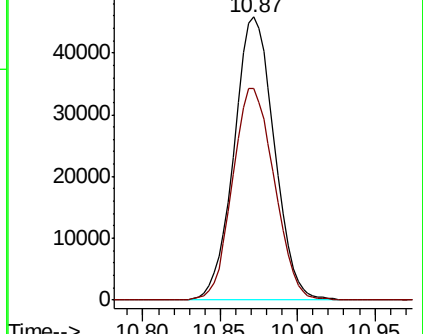
129 100

127 77.4 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.782 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN064252.D

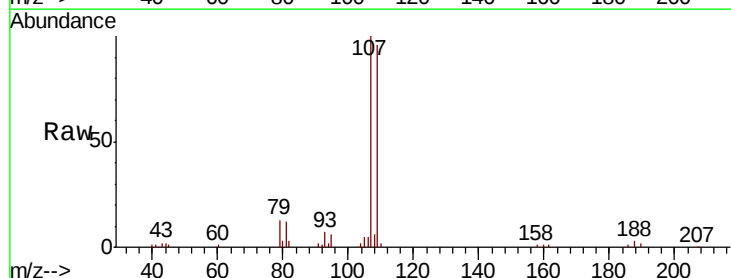
Acq: 22 Oct 2020 14:35

Tgt Ion:107 Resp: 70118

Ion Ratio Lower Upper

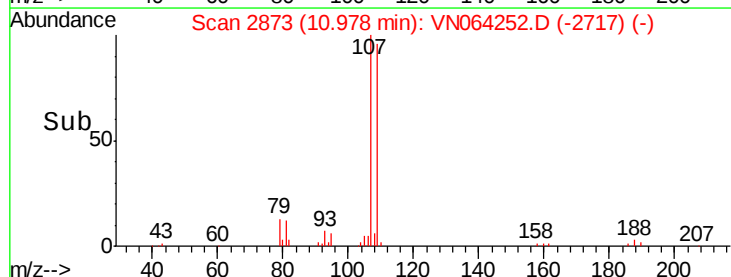
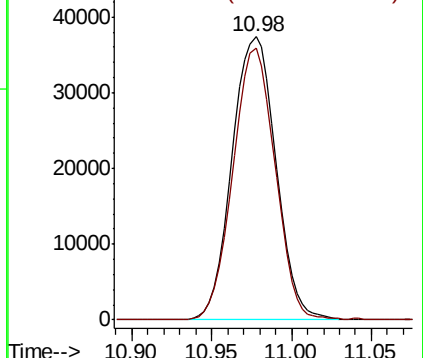
107 100

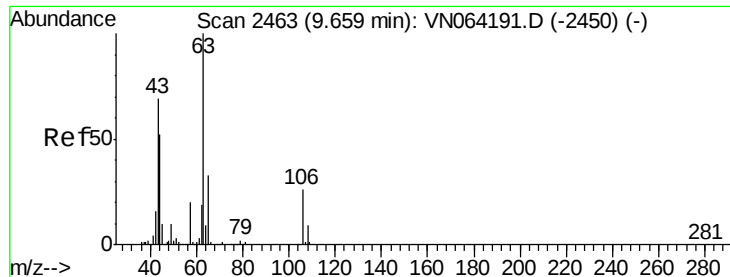
109 92.0 71.8 107.8



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: 90.111 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

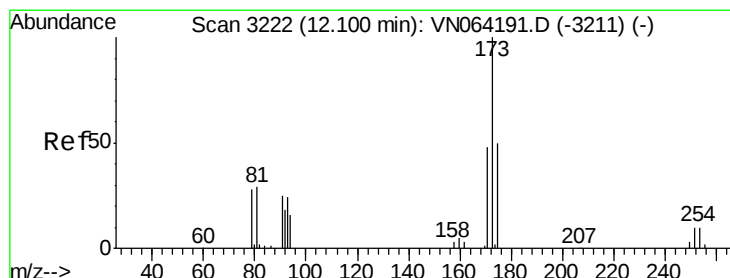
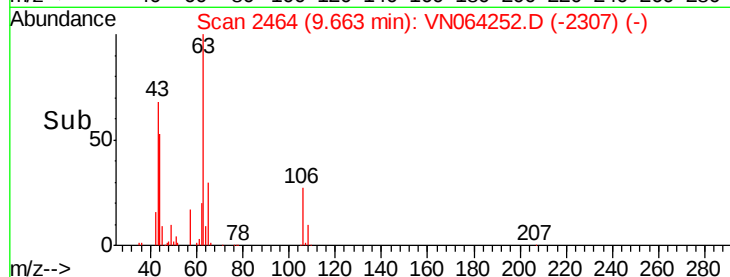
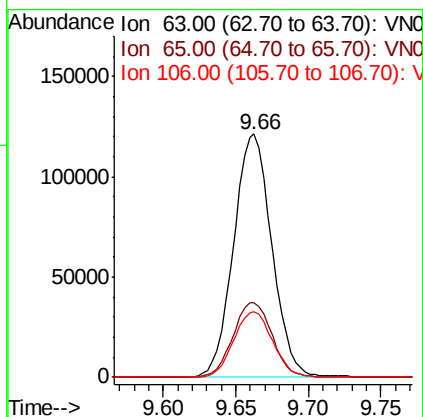
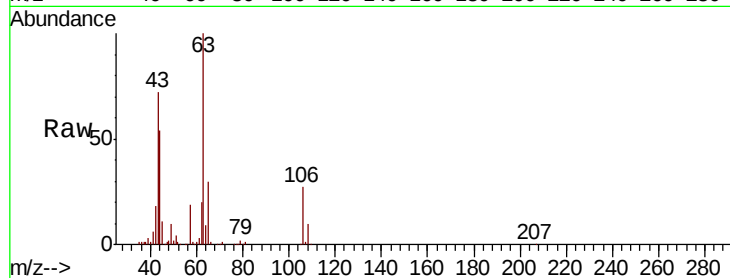
Tot Ion: 63 Resp: 222288

Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.9	38.9
106	27.5	21.4	32.2

63 100

65 31.4 25.9 38.9

106 27.5 21.4 32.2



#56

Bromoform

Concen: 19.704 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

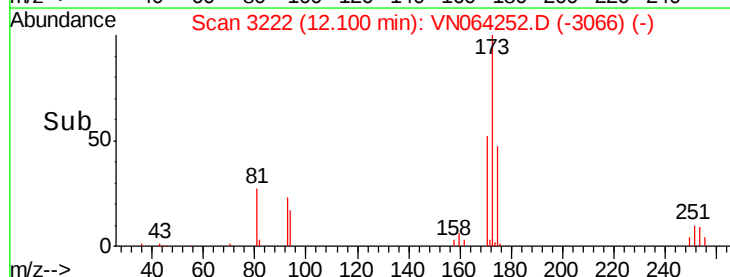
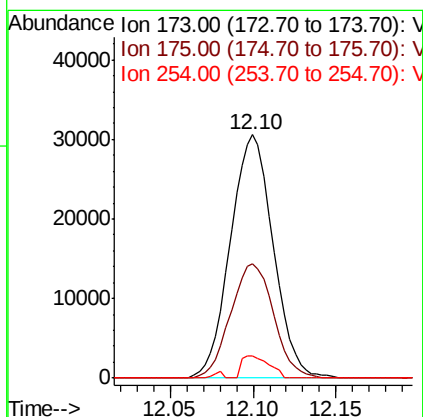
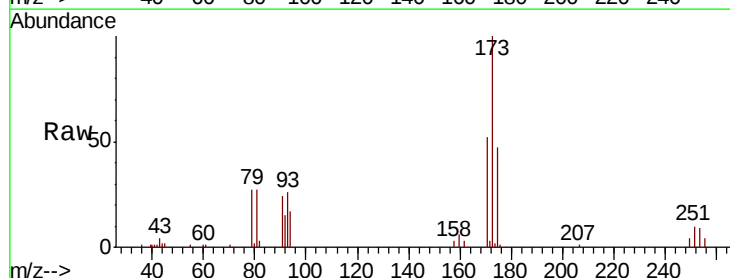
Tgt Ion: 173 Resp: 54821

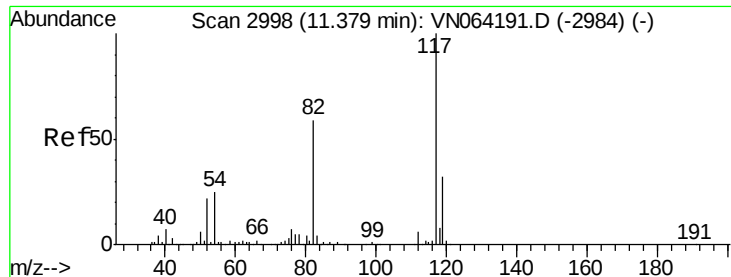
Ion	Ratio	Lower	Upper
173	100		
175	47.1	39.0	58.4
254	5.9	6.8	10.2#

173 100

175 47.1 39.0 58.4

254 5.9 6.8 10.2#

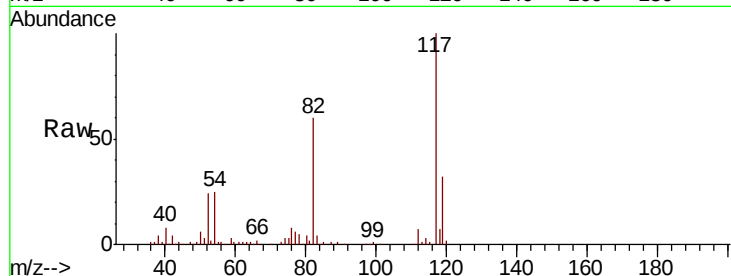




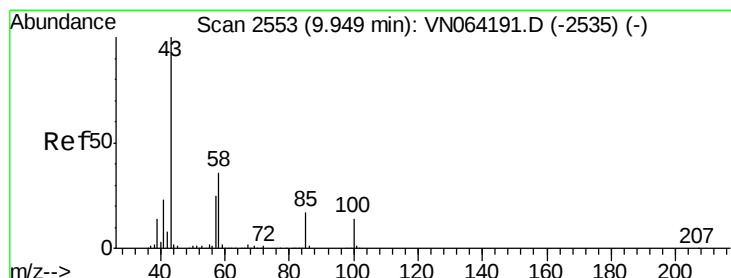
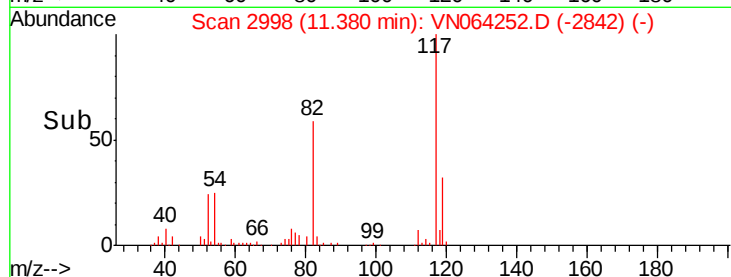
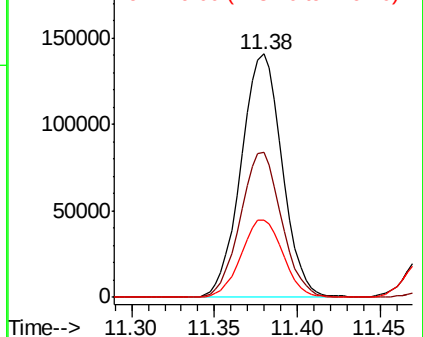
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:117 Resp: 243442
Ion Ratio Lower Upper
117 100
82 59.7 47.8 71.8
119 32.3 25.7 38.5

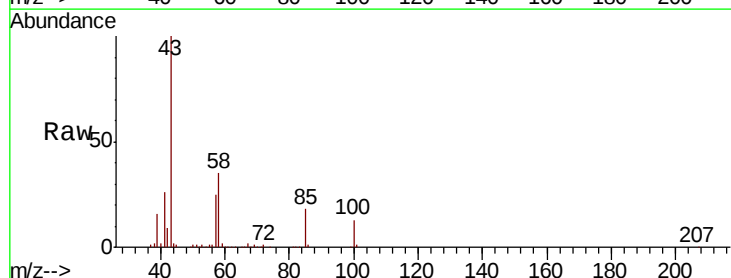


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

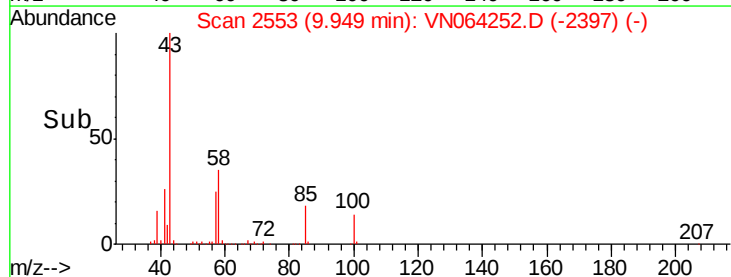
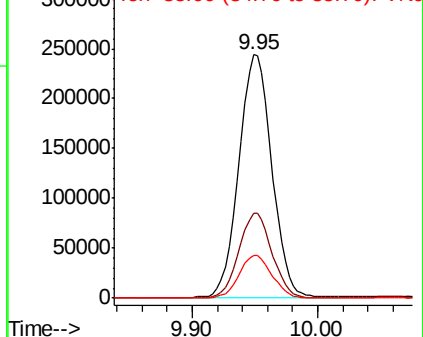


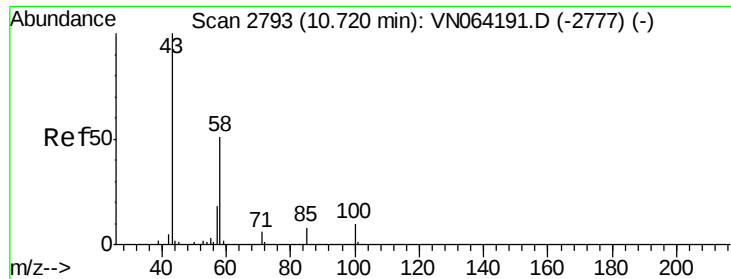
#58
4-Methyl-2-Pentanone
Concen: 107.528 ug/l
RT: 9.95 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Tgt Ion: 43 Resp: 443583
Ion Ratio Lower Upper
43 100
58 35.3 29.5 44.3
85 17.5 13.7 20.5



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

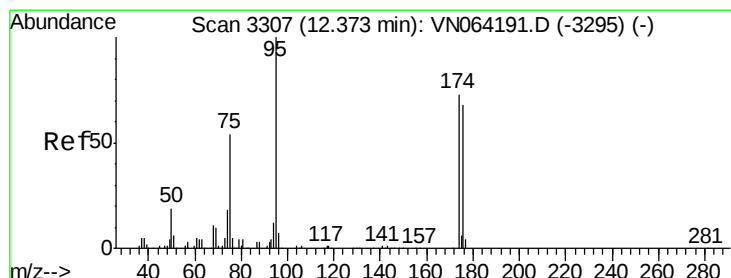
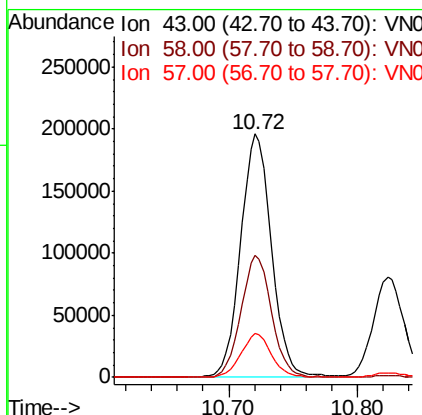
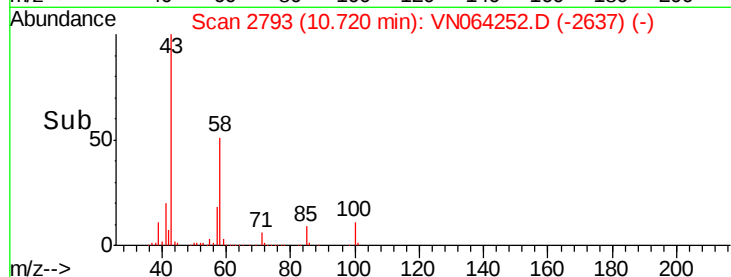
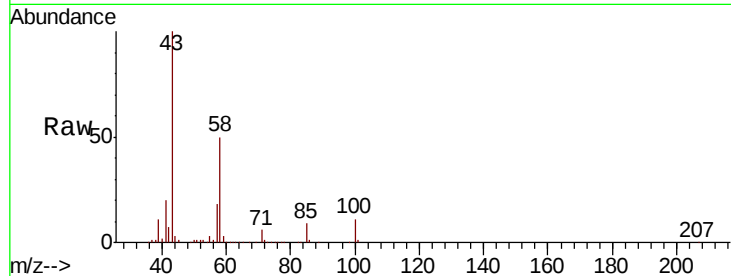




#59
2-Hexanone
Concen: 105.620 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

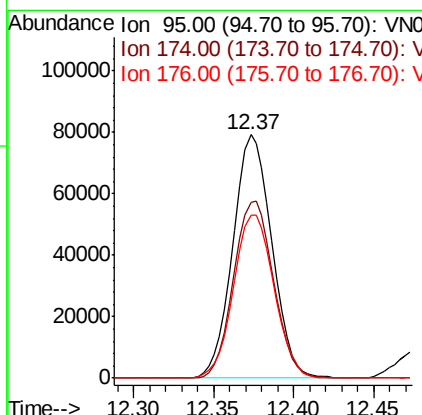
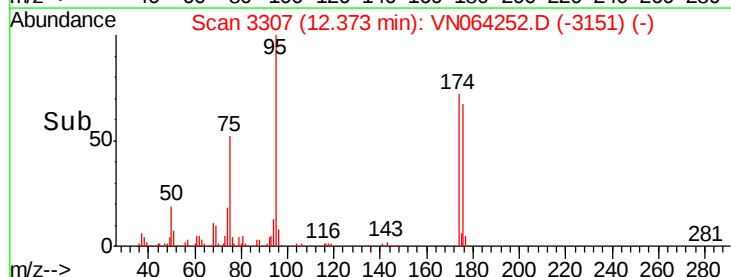
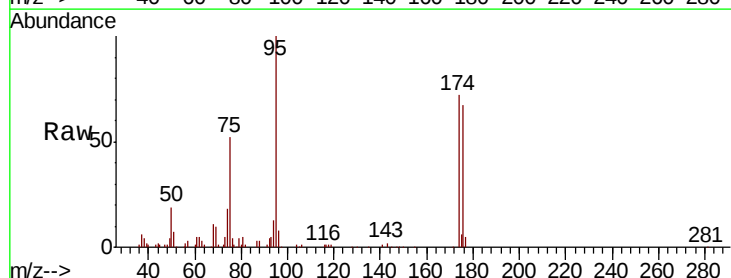
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

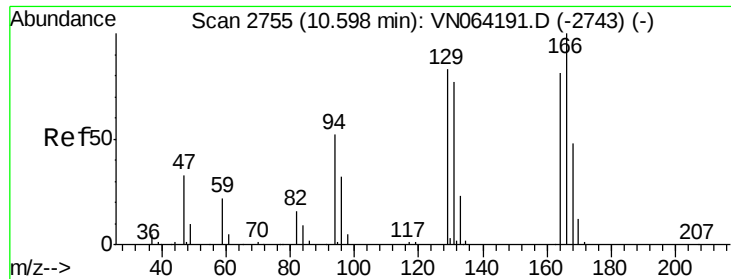
Tot Ion: 43 Resp: 323469
Ion Ratio Lower Upper
43 100
58 49.8 40.2 60.4
57 18.0 14.8 22.2



#60
4-Bromofluorobenzene
Concen: 30.070 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Tgt Ion: 95 Resp: 131181
Ion Ratio Lower Upper
95 100
174 74.8 57.6 86.4
176 69.9 54.9 82.3





#61

Tetrachloroethene

Concen: 21.598 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 70880

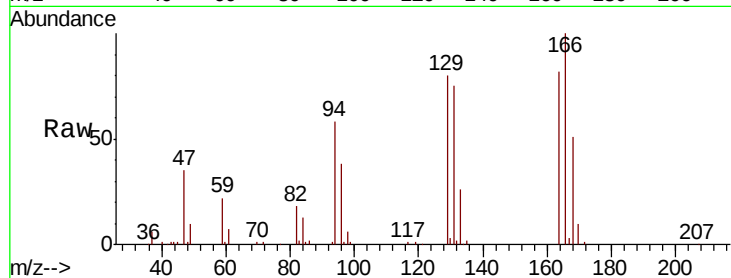
Ion Ratio Lower Upper

164 100

166 122.0 99.2 148.8

129 97.9 82.8 124.2

131 91.0 76.2 114.4

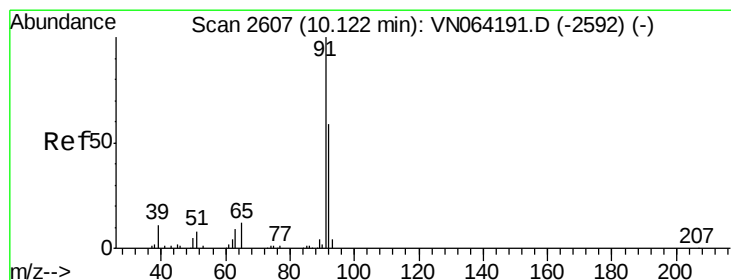
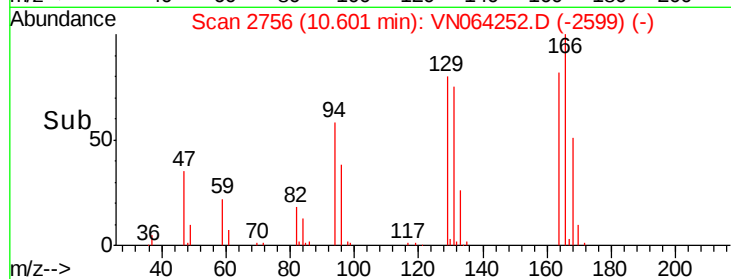
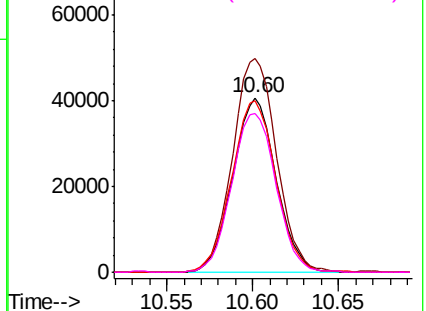


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.968 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN064252.D

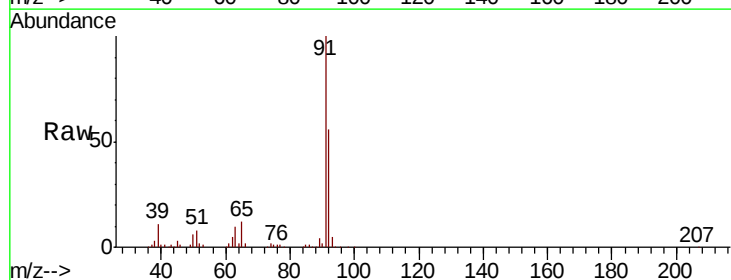
Acq: 22 Oct 2020 14:35

Tgt Ion: 91 Resp: 291826

Ion Ratio Lower Upper

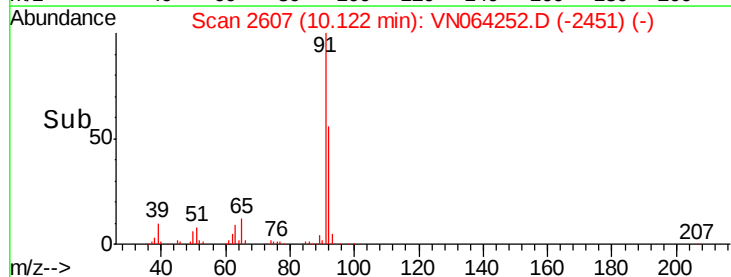
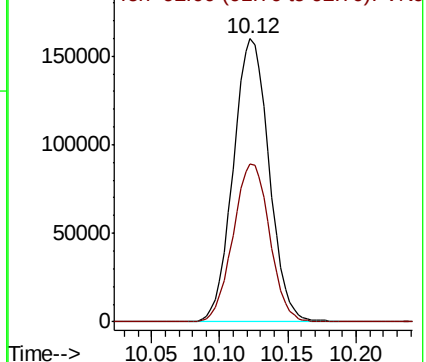
91 100

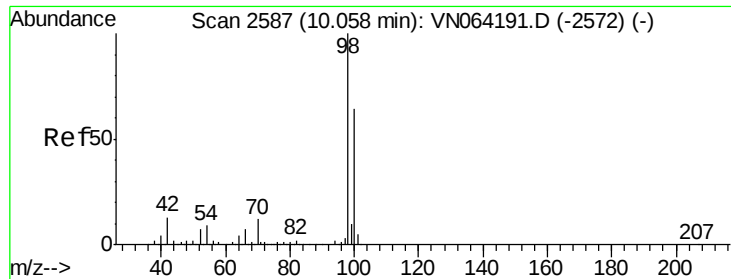
92 56.9 46.8 70.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 29.884 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

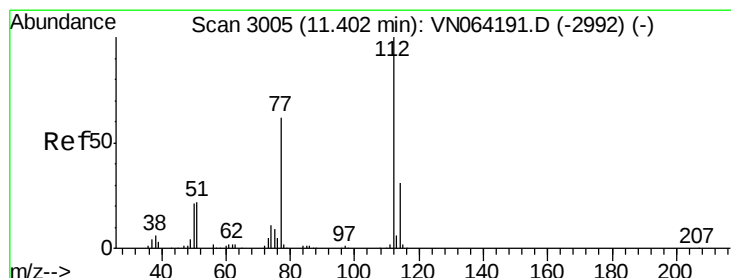
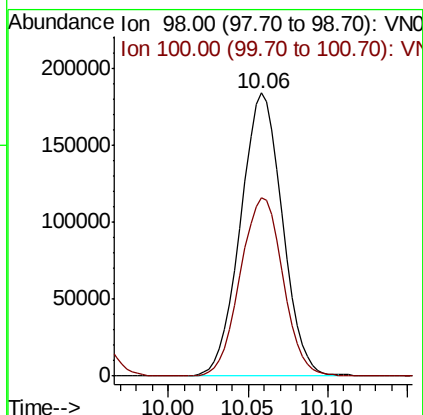
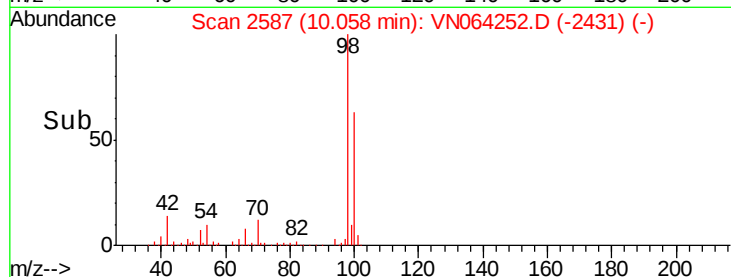
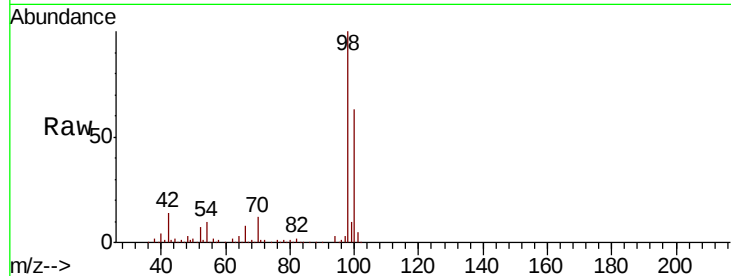
VSTDCCC020

Tot Ion: 98 Resp: 329367

Ion Ratio Lower Upper

98 100

100 64.5 51.4 77.2



#64

Chlorobenzene

Concen: 20.706 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064252.D

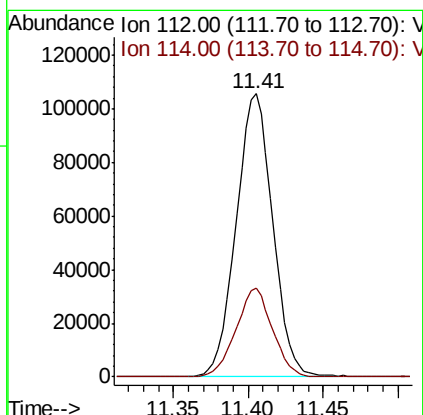
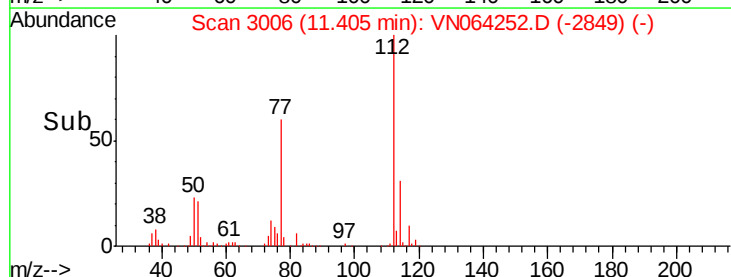
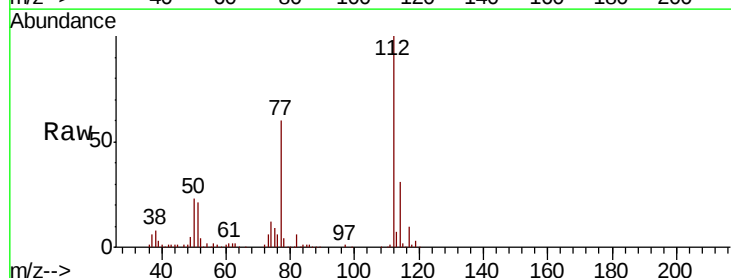
Acq: 22 Oct 2020 14:35

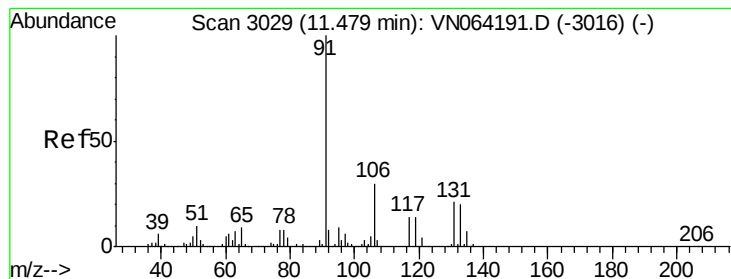
Tgt Ion: 112 Resp: 179456

Ion Ratio Lower Upper

112 100

114 31.4 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 21.120 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

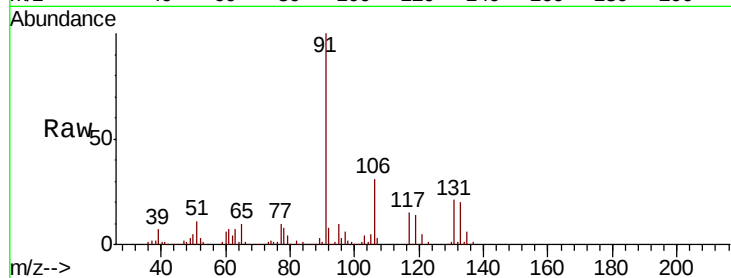
Tot Ion:131 Resp: 71719

Ion Ratio Lower Upper

131 100

133 96.6 0.0 193.0

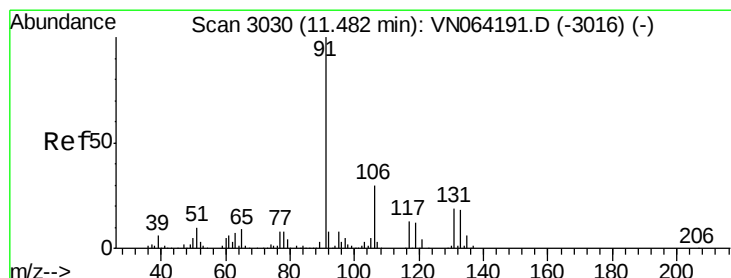
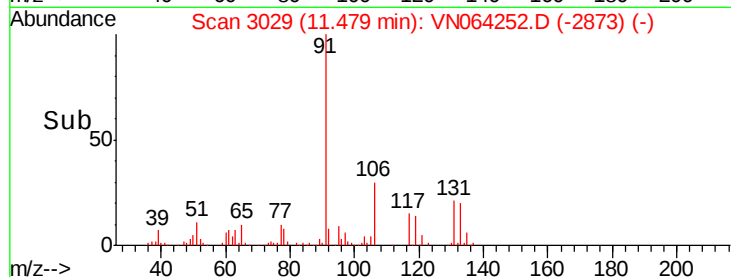
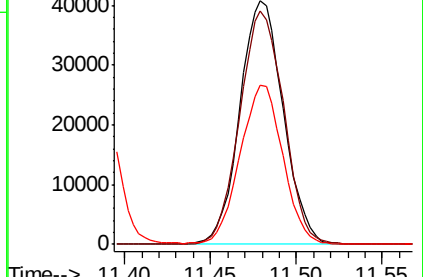
119 64.5 0.0 132.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 21.023 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064252.D

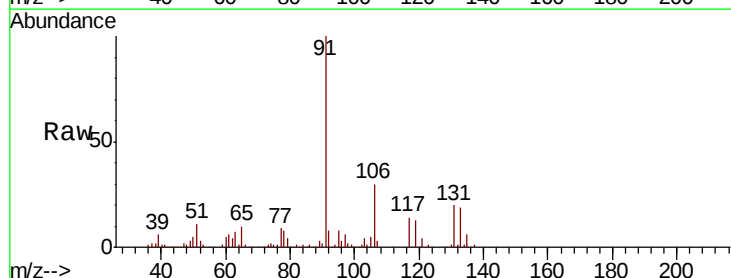
Acq: 22 Oct 2020 14:35

Tgt Ion: 91 Resp: 336374

Ion Ratio Lower Upper

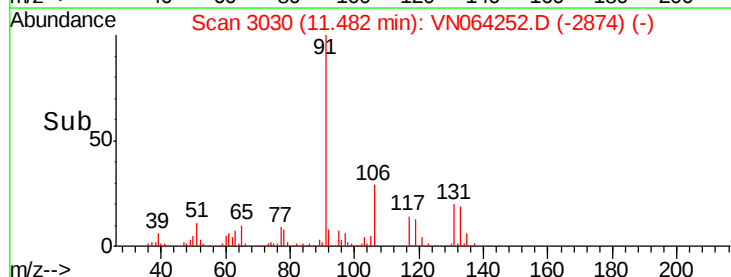
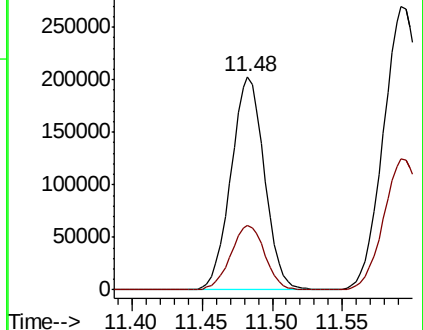
91 100

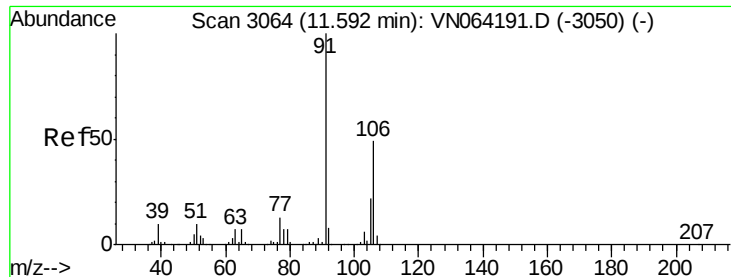
106 30.1 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 40.776 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

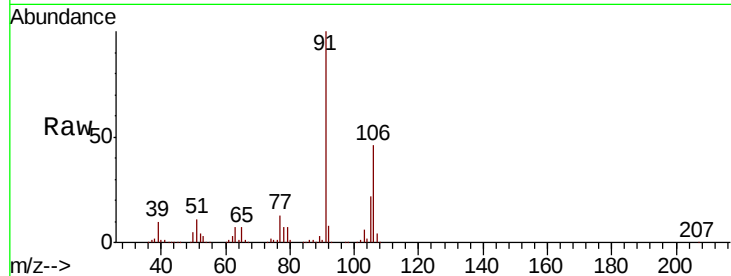
VSTDCCC020

Tot Ion:106 Resp: 242648

Ion Ratio Lower Upper

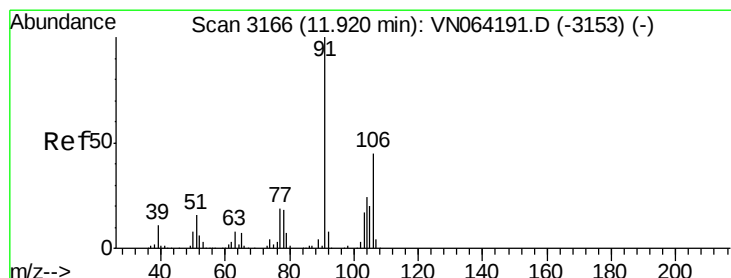
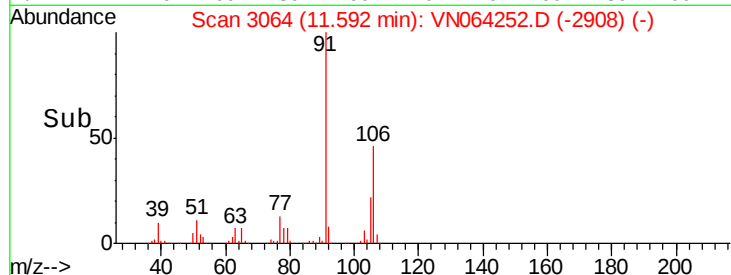
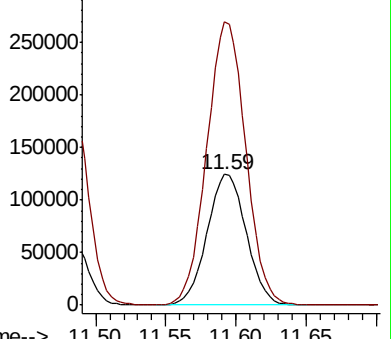
106 100

91 214.7 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.880 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. 0.00 min

Lab File: VN064252.D

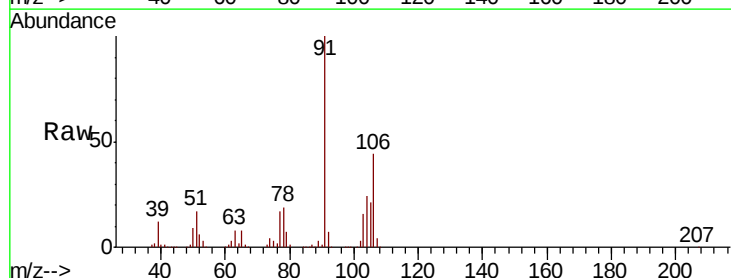
Acq: 22 Oct 2020 14:35

Tgt Ion:106 Resp: 120572

Ion Ratio Lower Upper

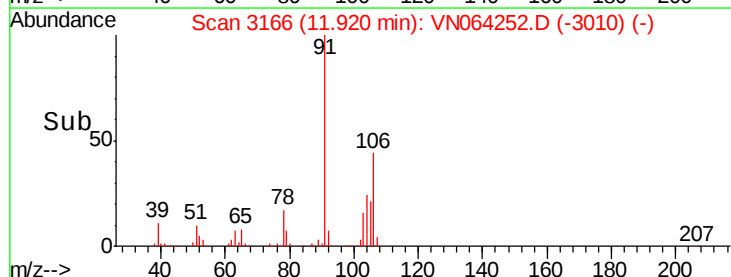
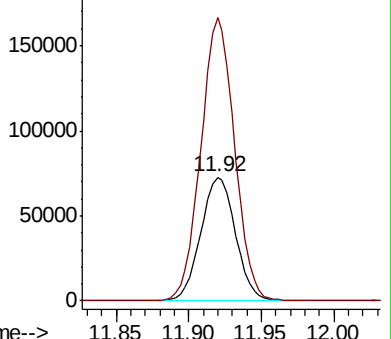
106 100

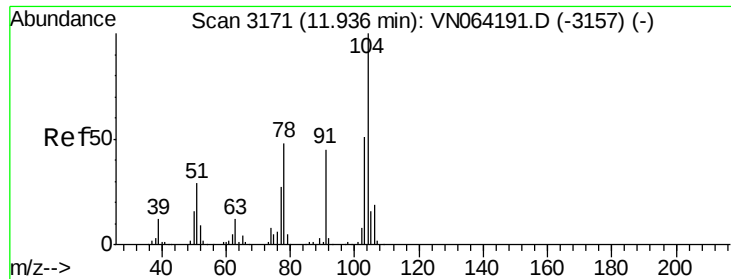
91 222.9 113.9 341.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

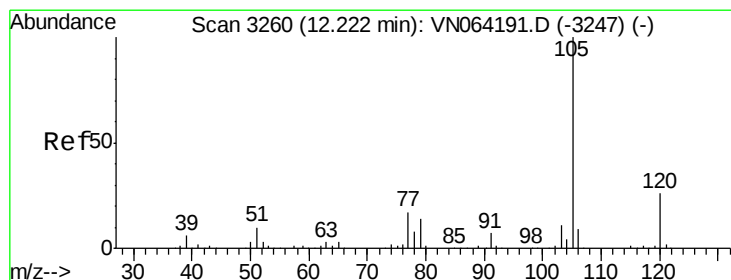
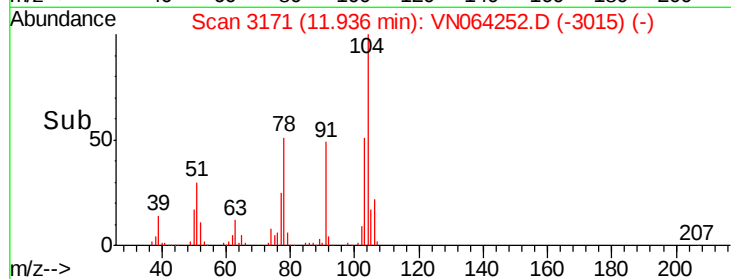
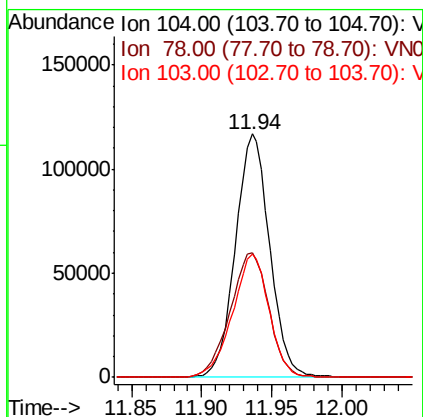
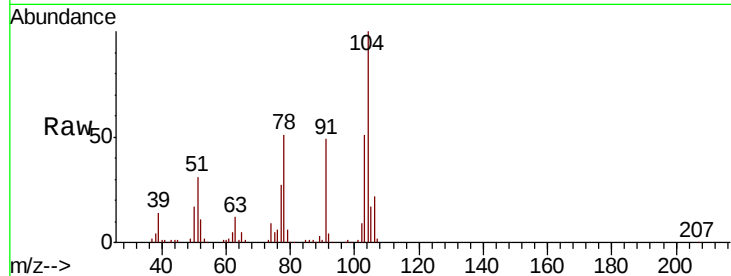




#69
Stvrene
Concen: 20.359 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

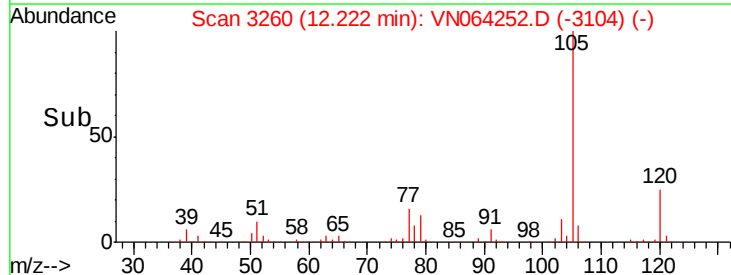
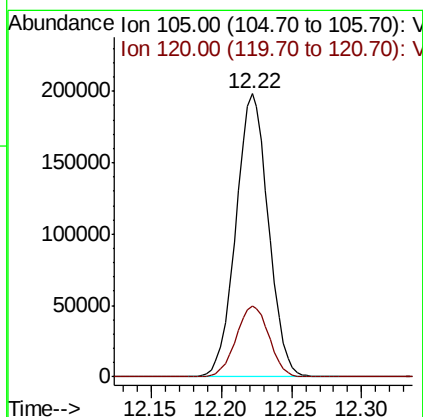
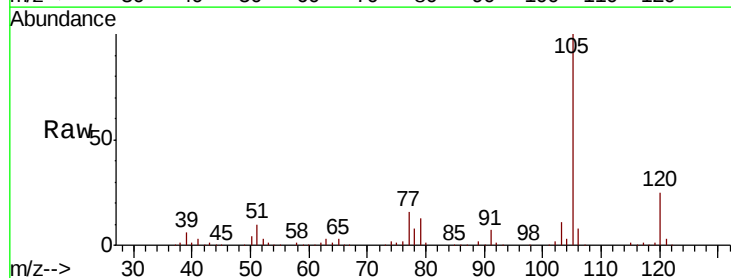
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

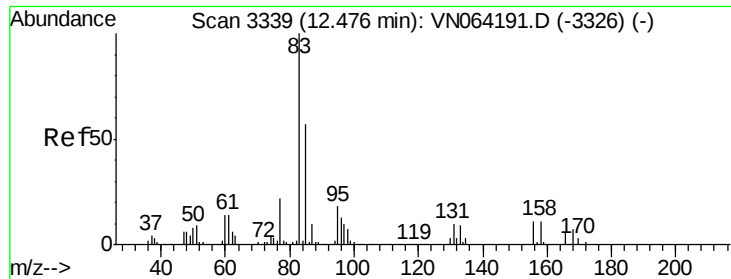
Tot Ion:104 Resp: 198902
Ion Ratio Lower Upper
104 100
78 57.7 43.6 65.4
103 54.0 44.8 67.2



#70
Isopropylbenzene
Concen: 20.975 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Tgt Ion:105 Resp: 319892
Ion Ratio Lower Upper
105 100
120 25.5 18.1 33.7

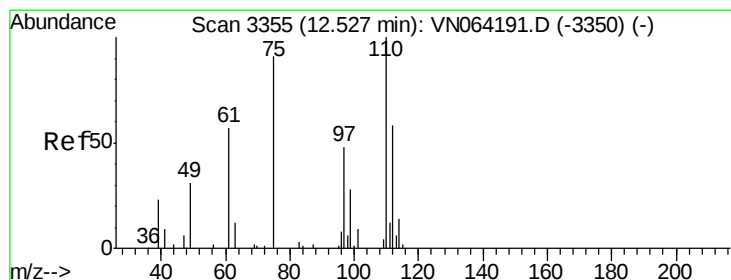
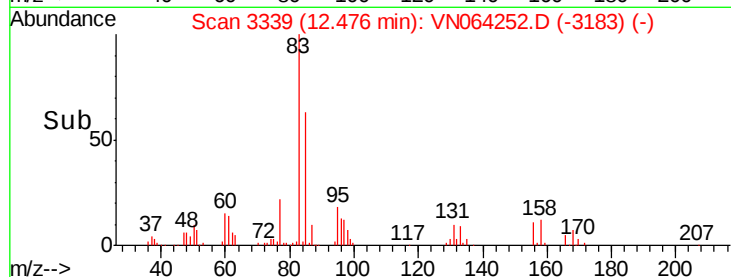
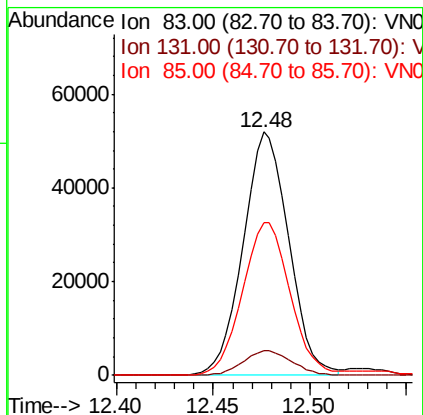
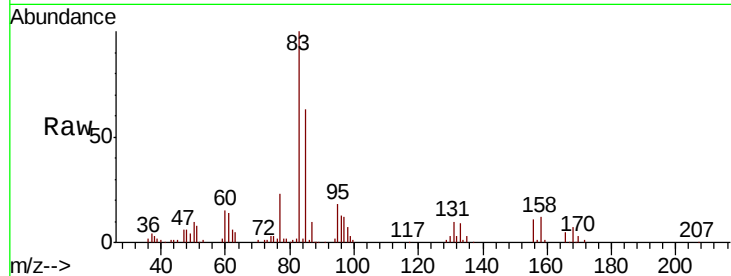




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.484 ug/l
 RT: 12.48 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

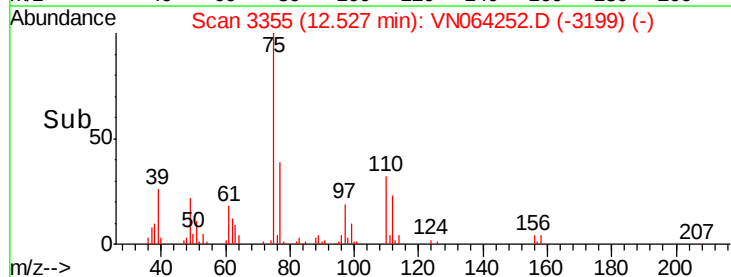
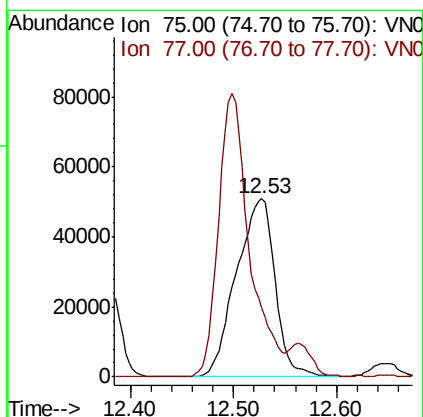
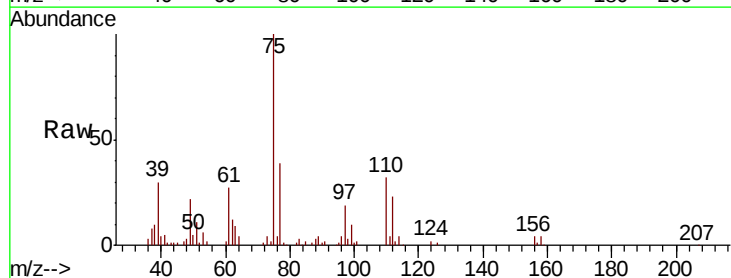
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

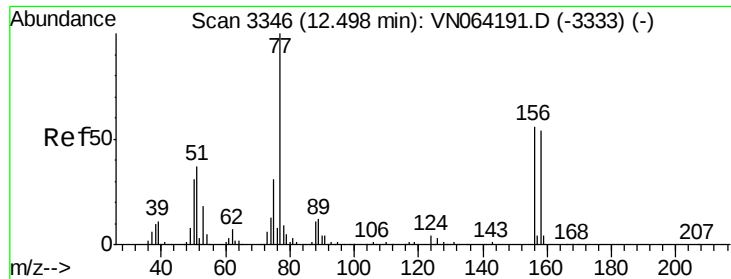
Tot Ion: 83 Resp: 85606
 Ion Ratio Lower Upper
 83 100
 131 10.6 5.5 16.4
 85 65.0 30.8 92.4



#72
 1,2,3-Trichloropropane
 Concen: 30.408 ug/l
 RT: 12.53 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

Tgt Ion: 75 Resp: 132616
 Ion Ratio Lower Upper
 75 100
 77 128.3 0.0 417.6





#73

Bromobenzene

Concen: 20.925 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

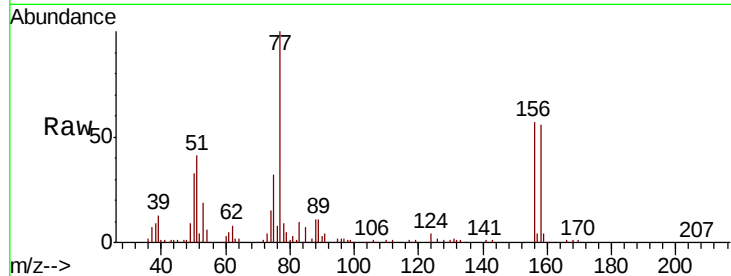
Tot Ion:156 Resp: 76954

Ion Ratio Lower Upper

156 100

77 221.0 0.0 429.8

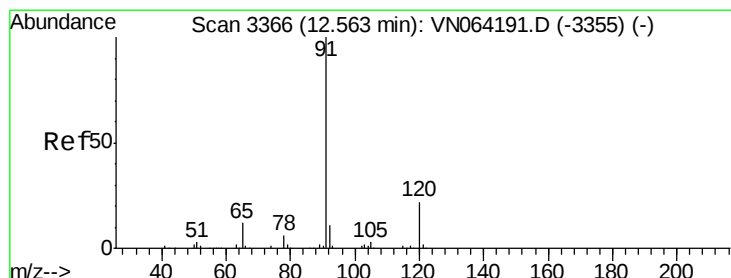
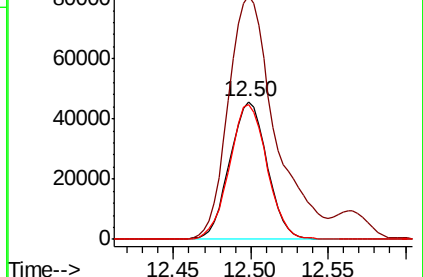
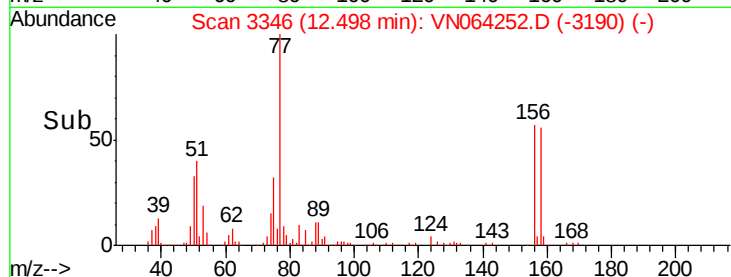
158 98.1 0.0 190.6



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: 20.790 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN064252.D

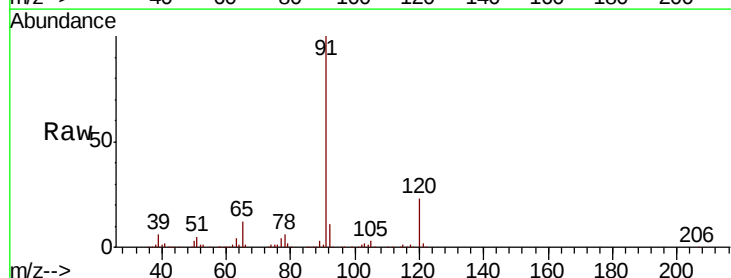
Acq: 22 Oct 2020 14:35

Tgt Ion: 91 Resp: 361879

Ion Ratio Lower Upper

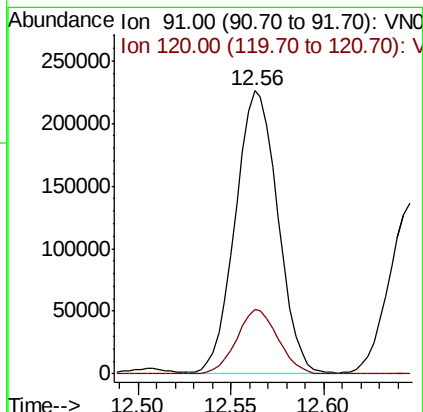
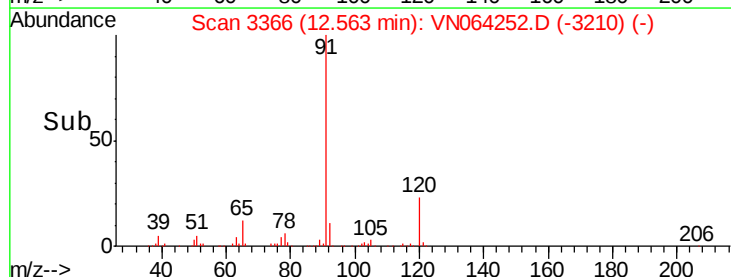
91 100

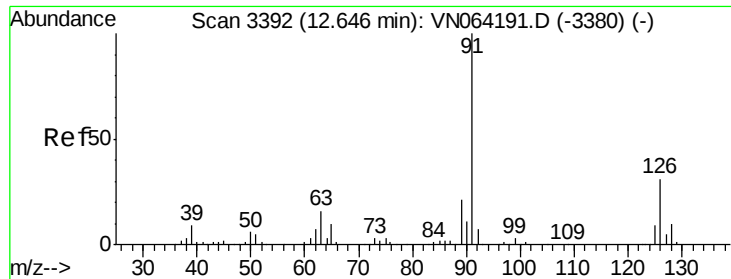
120 22.1 0.0 43.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 21.148 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

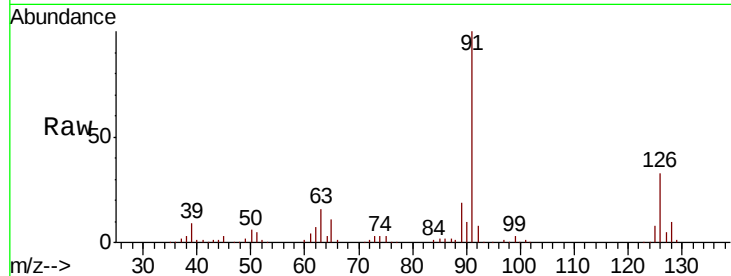
VSTDCCC020

Tot Ion: 91 Resp: 227877

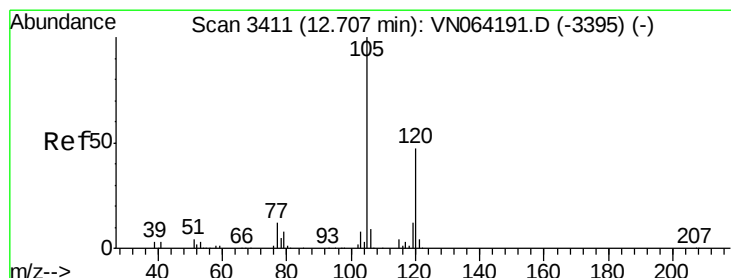
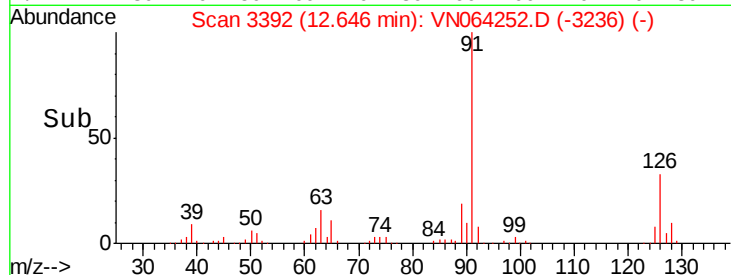
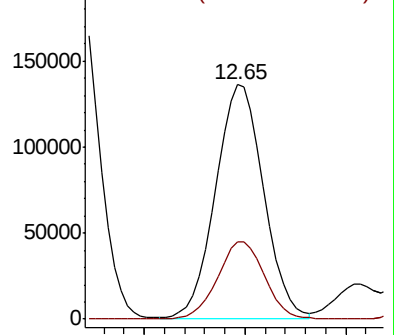
Ion Ratio Lower Upper

91 100

126 32.0 0.0 62.4



Abundance Ion 91.00 (90.70 to 91.70): VN064191.D (-3380) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.857 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064252.D

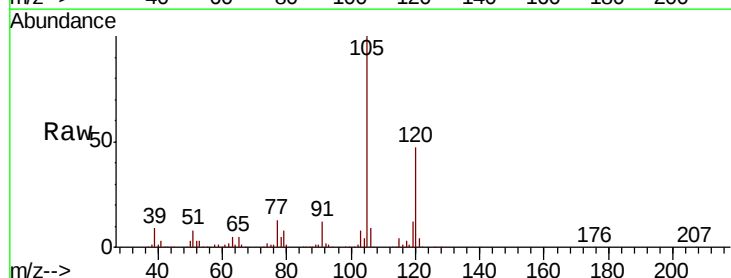
Acq: 22 Oct 2020 14:35

Tgt Ion: 105 Resp: 270672

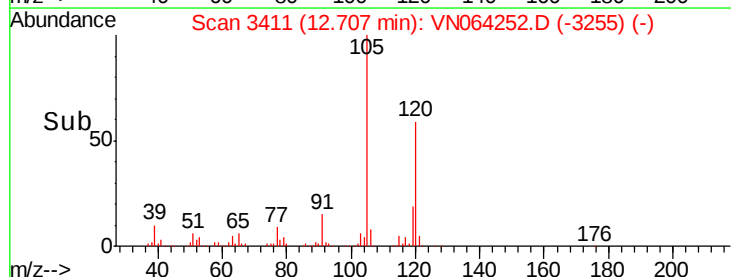
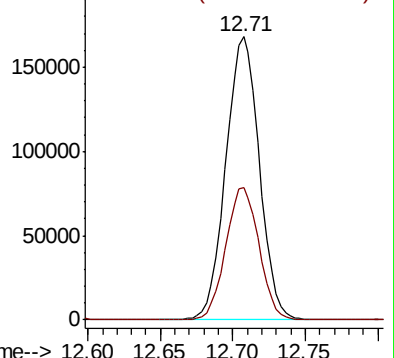
Ion Ratio Lower Upper

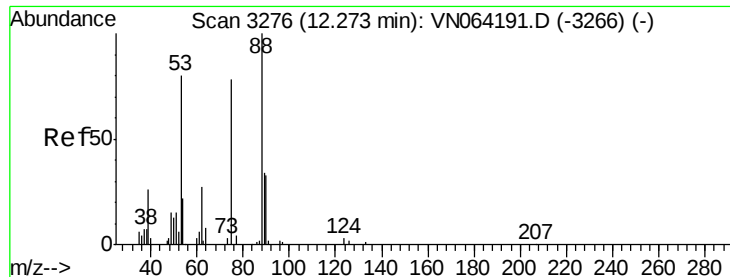
105 100

120 46.5 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN064191.D (-3395) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 19.662 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

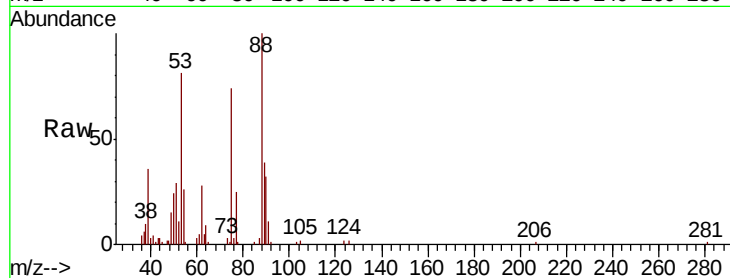
Tot Ion: 75 Resp: 33526

Ion Ratio Lower Upper

75 100

53 109.4 51.4 154.2

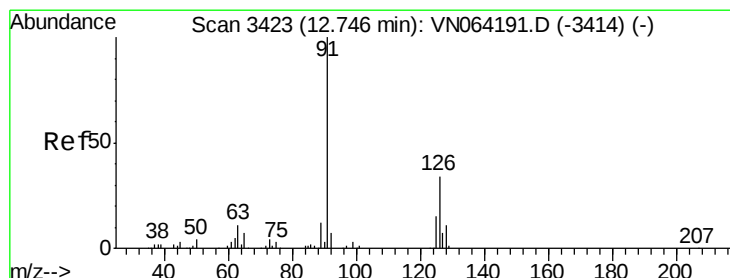
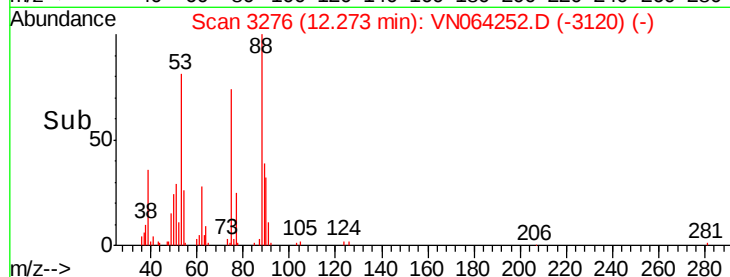
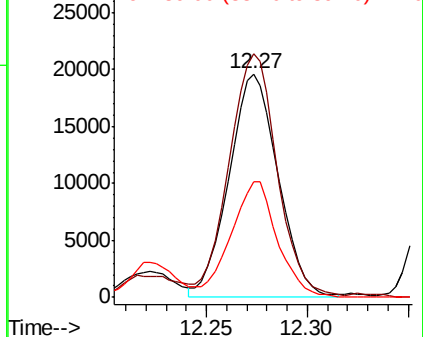
89 52.7 23.8 71.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 21.012 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064252.D

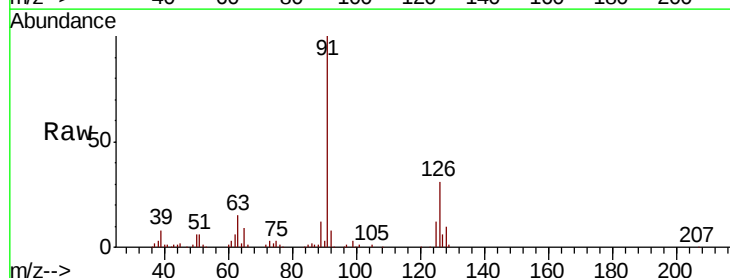
Acq: 22 Oct 2020 14:35

Tgt Ion: 91 Resp: 236828

Ion Ratio Lower Upper

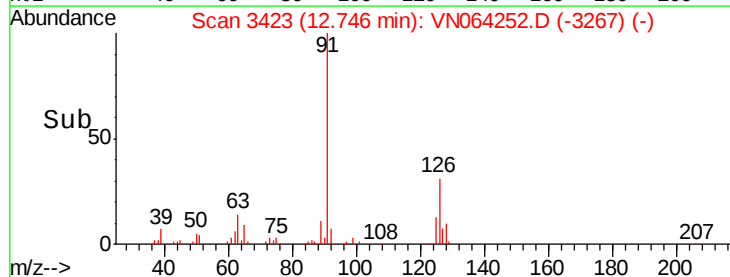
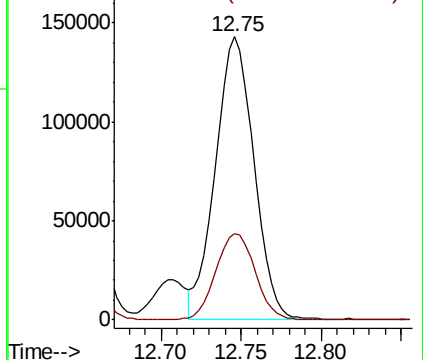
91 100

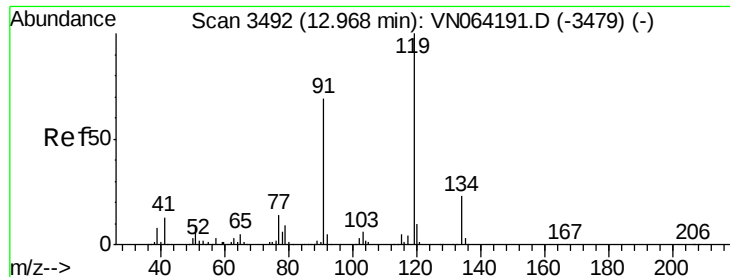
126 31.2 0.0 63.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 21.086 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

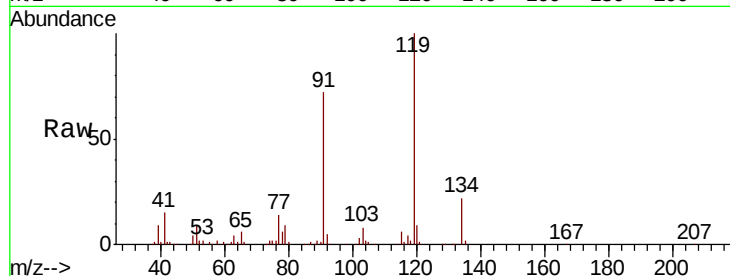
Tot Ion:119 Resp: 223716

Ion Ratio Lower Upper

119 100

91 71.7 0.0 143.2

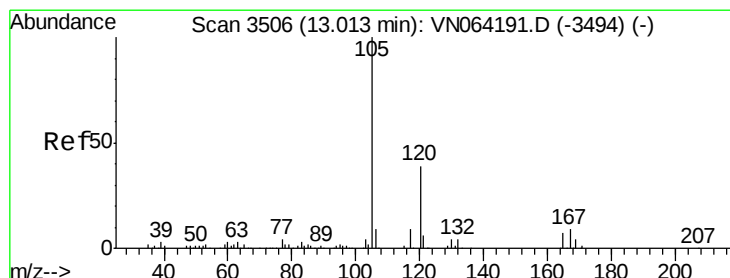
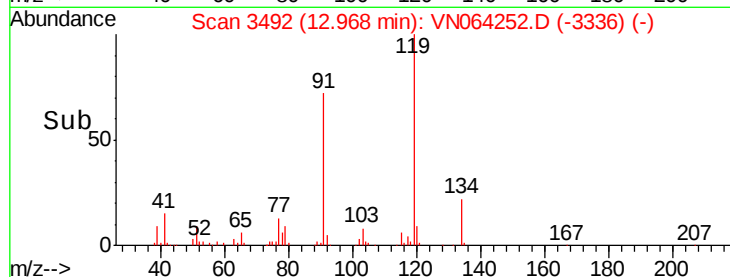
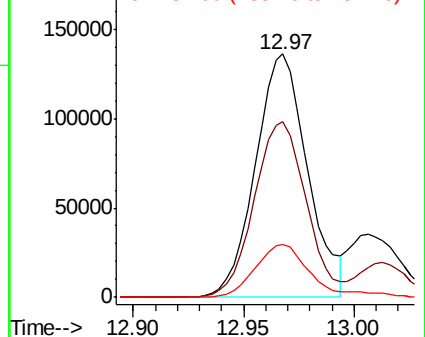
134 21.5 0.0 49.2



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: 20.827 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN064252.D

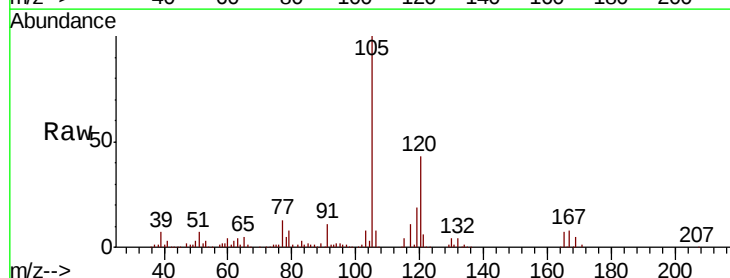
Acq: 22 Oct 2020 14:35

Tgt Ion:105 Resp: 274374

Ion Ratio Lower Upper

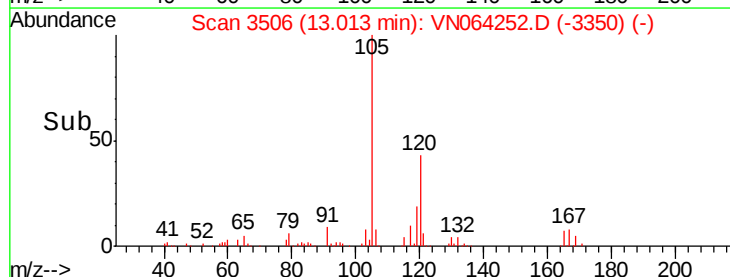
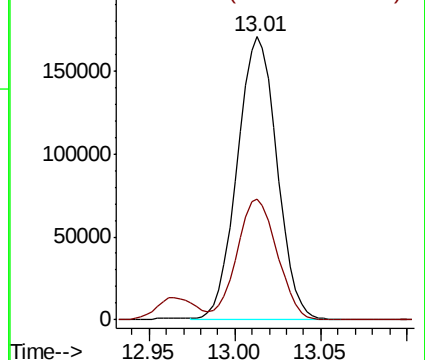
105 100

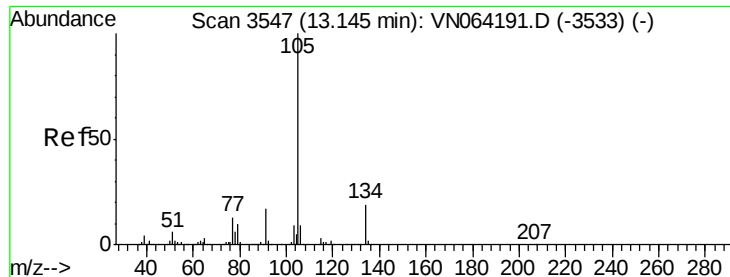
120 43.4 0.0 85.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 20.135 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

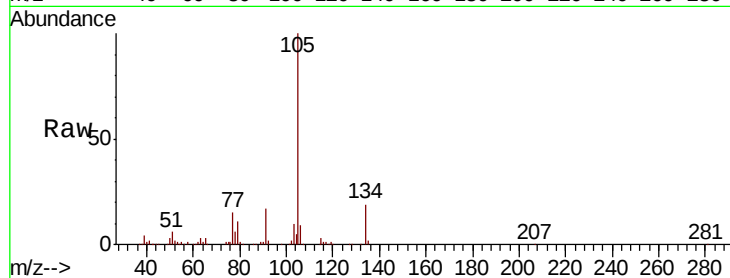
VSTDCCC020

Tot Ion:105 Resp: 277947

Ion Ratio Lower Upper

105 100

134 19.2 0.0 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.14

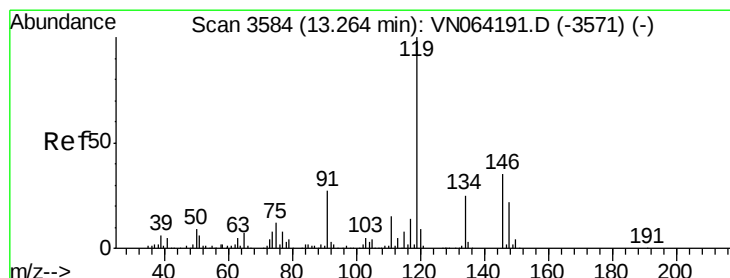
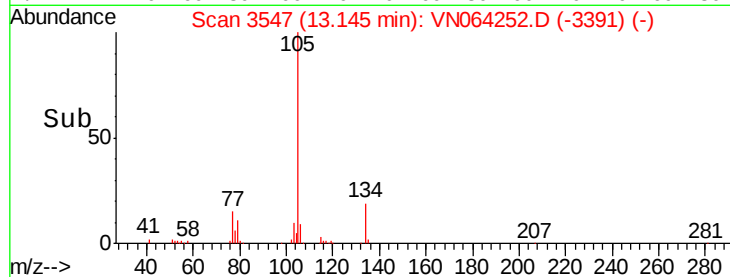
150000

100000

50000

0

Time--> 13.05 13.10 13.15 13.20



#82

p-Isopropyltoluene

Concen: 20.588 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

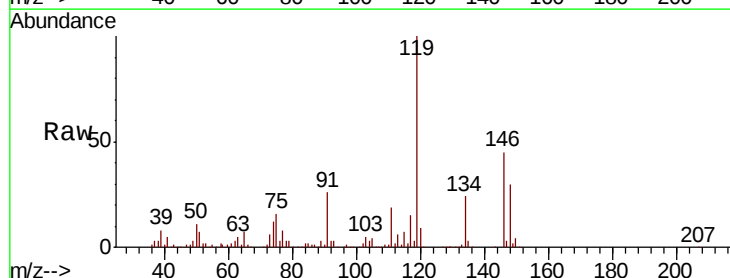
Tgt Ion:119 Resp: 263037

Ion Ratio Lower Upper

119 100

134 24.1 0.0 51.4

91 26.1 0.0 52.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

200000

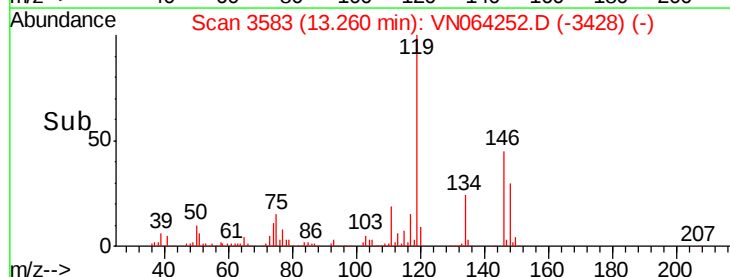
150000

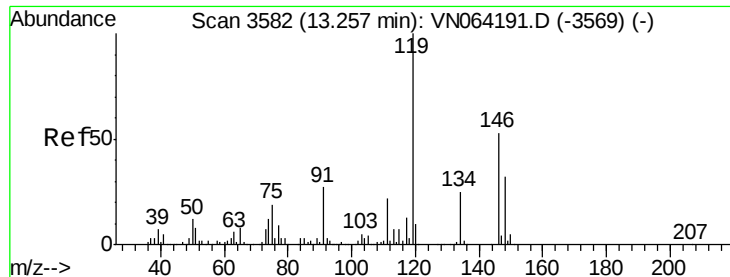
100000

50000

0

Time--> 13.20 13.25 13.30

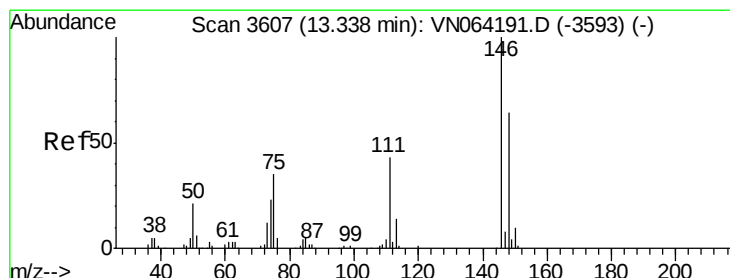
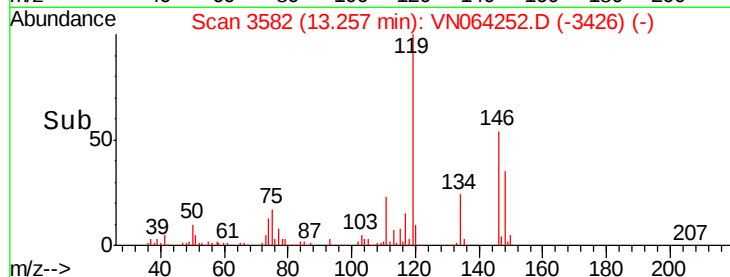
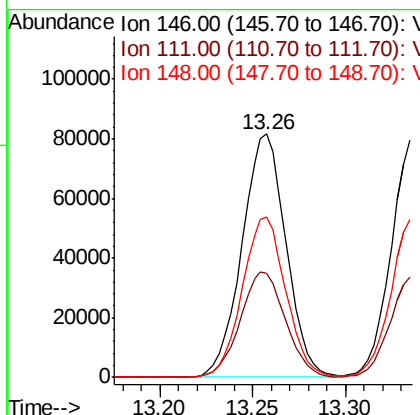
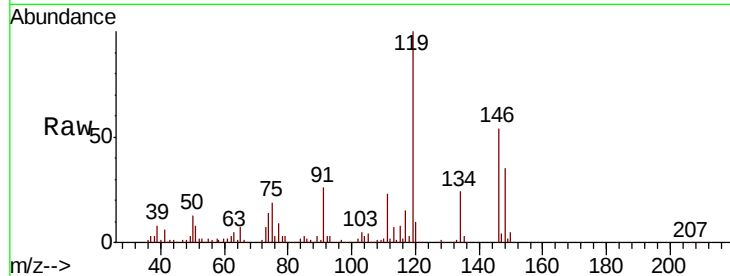




#83
 1,3-Dichlorobenzene
 Concen: 20.441 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

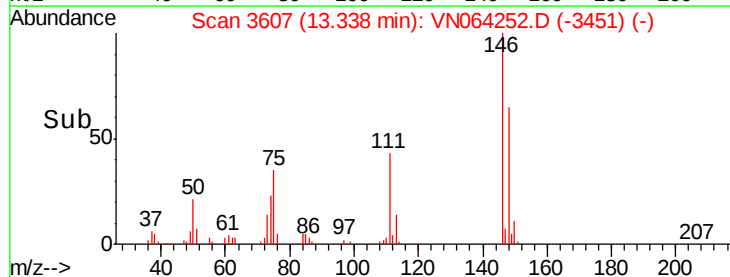
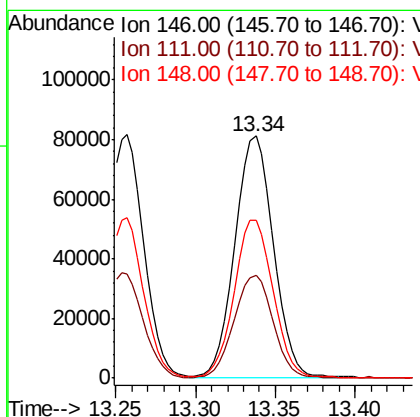
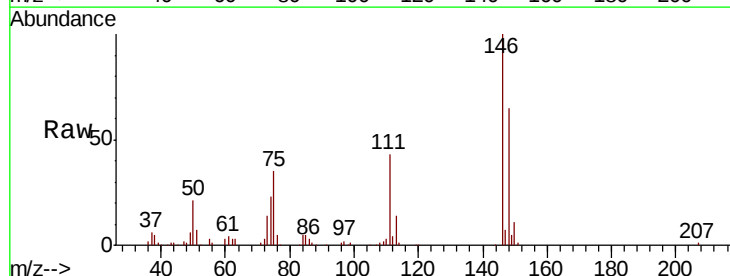
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

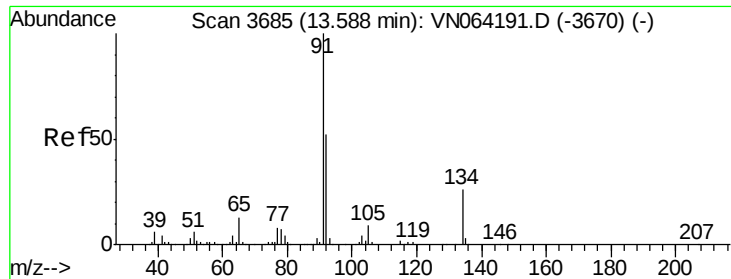
Tot Ion:146 Resp: 134753
 Ion Ratio Lower Upper
 146 100
 111 44.4 21.8 65.4
 148 64.8 31.4 94.2



#84
 1,4-Dichlorobenzene
 Concen: 20.315 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

Tgt Ion:146 Resp: 134075
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.9 62.8
 148 65.7 30.9 92.7

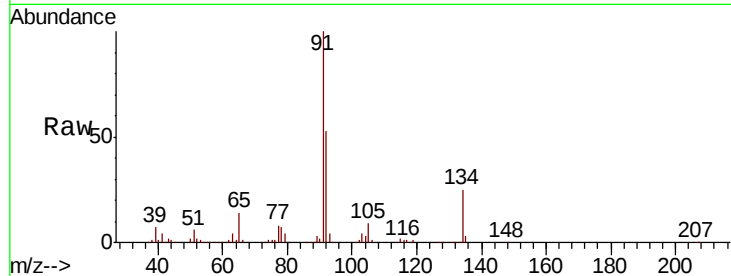




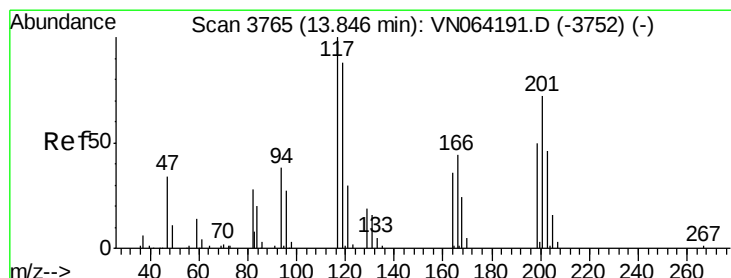
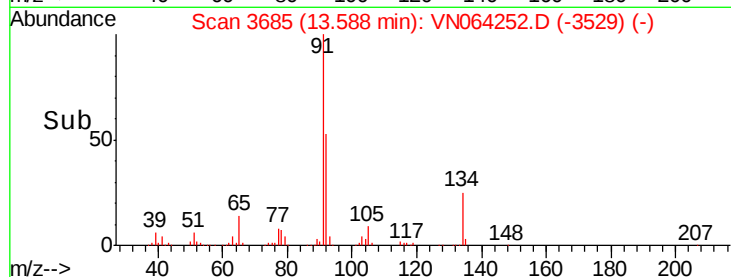
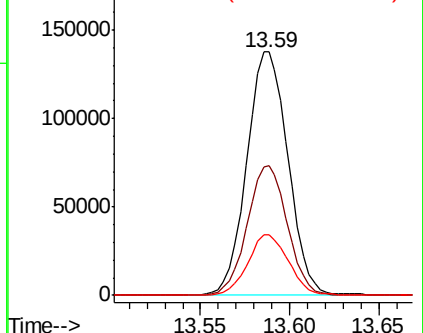
#85
n-Butylbenzene
Concen: 19.661 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 91 Resp: 222989
Ion Ratio Lower Upper
91 100
92 51.8 0.0 104.8
134 24.6 0.0 49.8

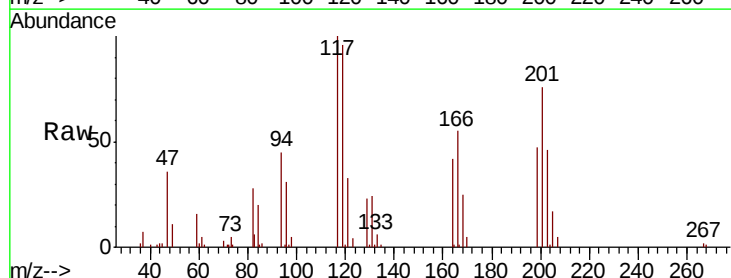


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): VN0

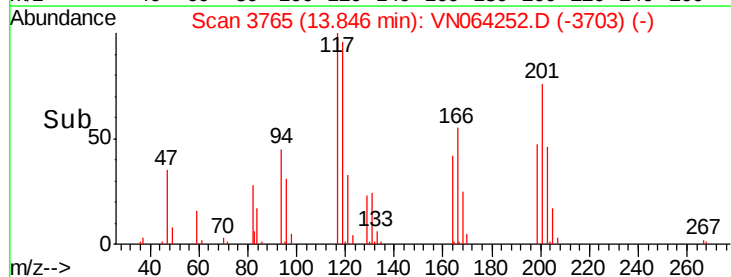
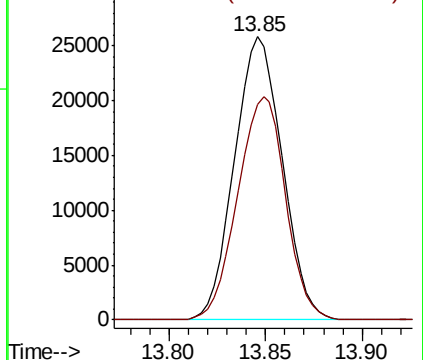


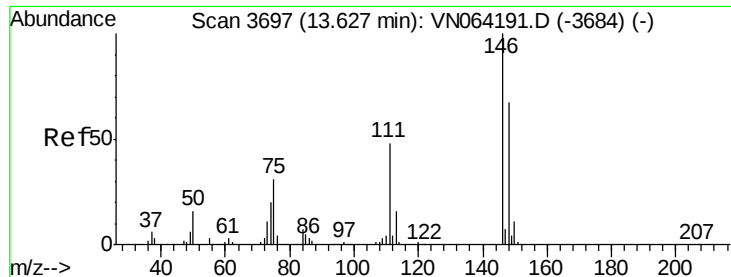
#86
Hexachloroethane
Concen: 20.201 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Tgt Ion: 117 Resp: 44431
Ion Ratio Lower Upper
117 100
201 78.9 37.5 112.3



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 201.00 (200.70 to 201.70): V





#87

1,2-Dichlorobenzene

Concen: 20.505 ug/l

RT: 13.62 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

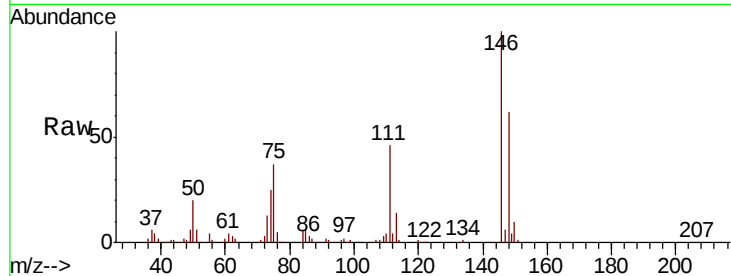
Tot Ion:146 Resp: 131824

Ion Ratio Lower Upper

146 100

111 45.6 22.6 67.8

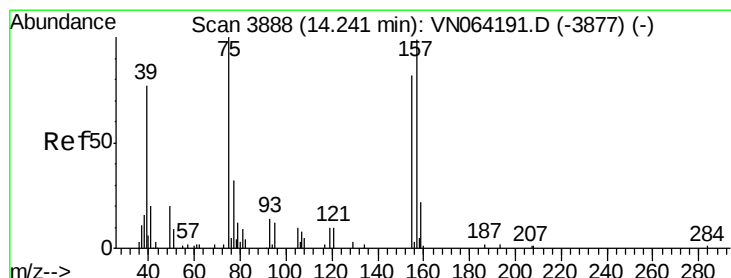
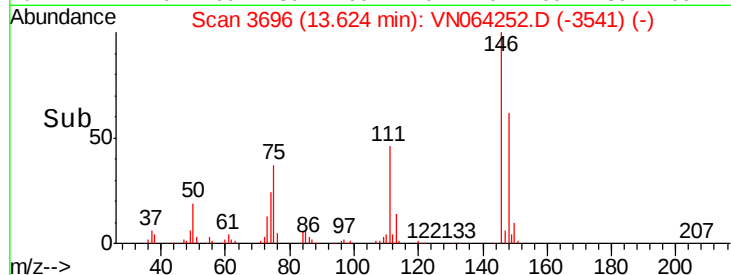
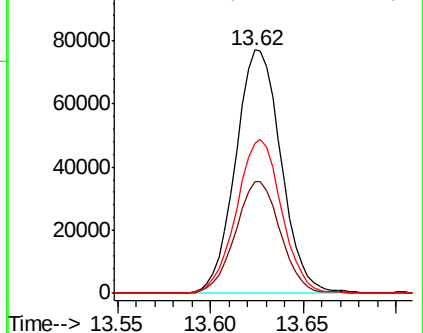
148 63.0 32.6 97.8



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: 19.916 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

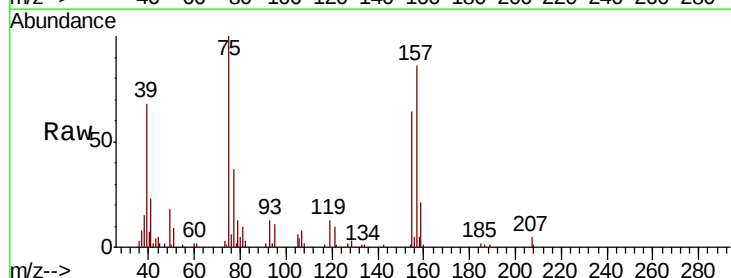
Tgt Ion: 75 Resp: 21081

Ion Ratio Lower Upper

75 100

155 72.4 61.1 91.7

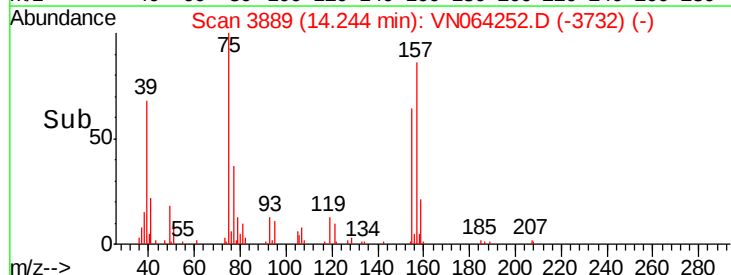
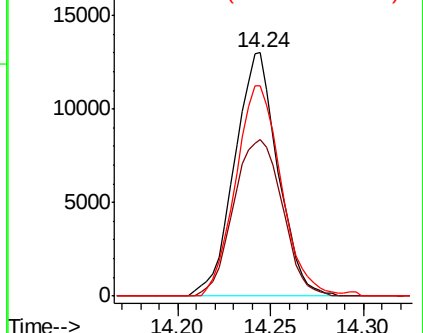
157 91.0 76.5 114.7

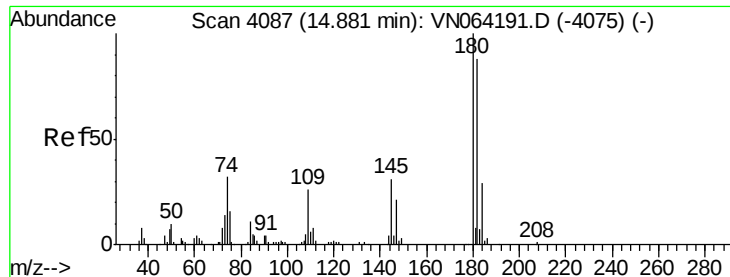


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

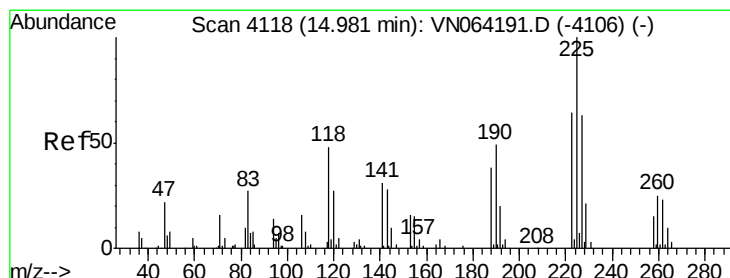
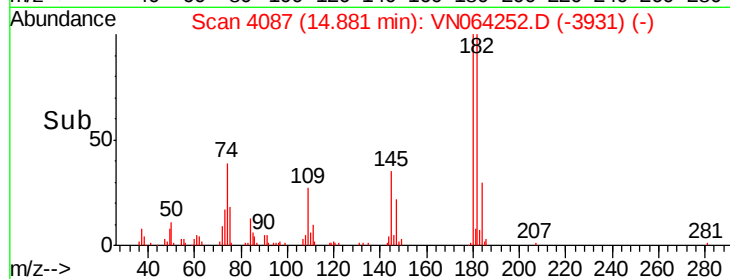
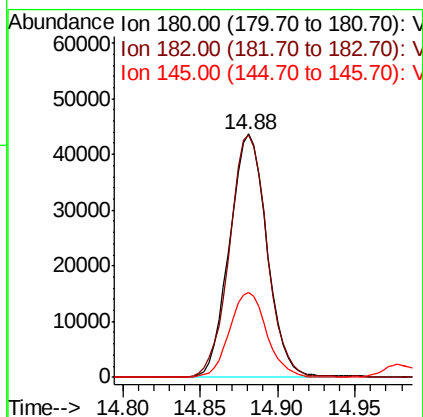
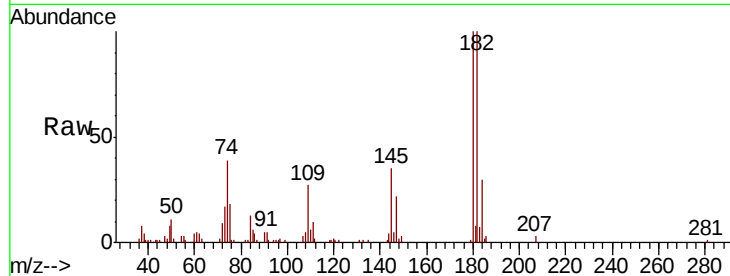




#89
 1,2,4-Trichlorobenzene
 Concen: 19.007 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

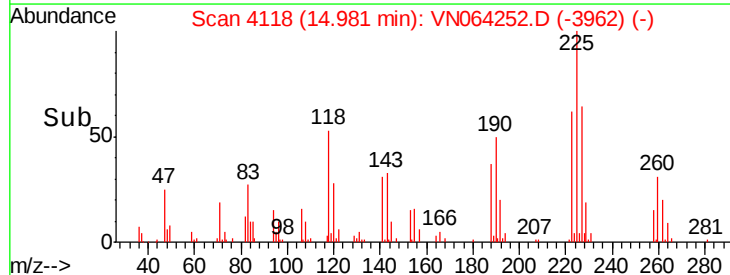
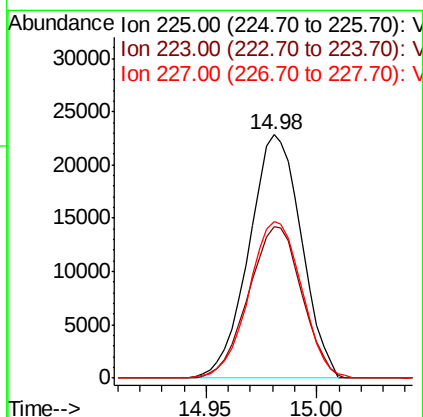
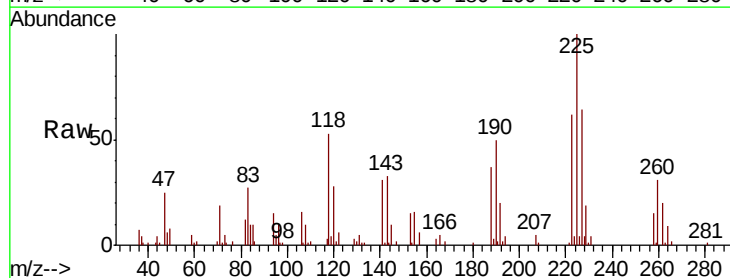
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

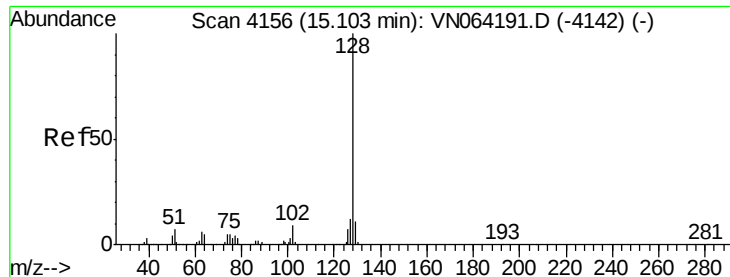
Tot Ion:180 Resp: 73377
 Ion Ratio Lower Upper
 180 100
 182 99.3 73.0 109.4
 145 34.5 24.3 36.5



#90
 Hexachlorobutadiene
 Concen: 19.253 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

Tgt Ion:225 Resp: 37675
 Ion Ratio Lower Upper
 225 100
 223 63.3 0.0 127.0
 227 65.0 0.0 129.4





#91

Naphthalene

Concen: 19.349 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

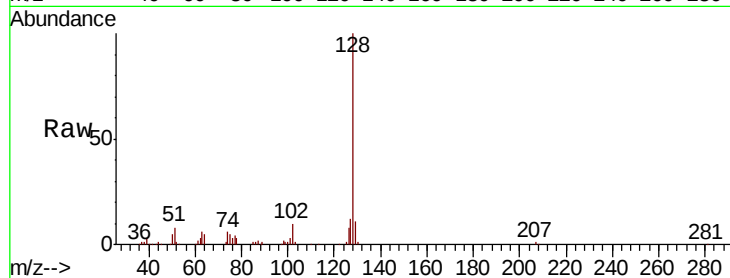
Tot Ion:128 Resp: 226425

Ion Ratio Lower Upper

128 100

127 12.4 10.1 15.1

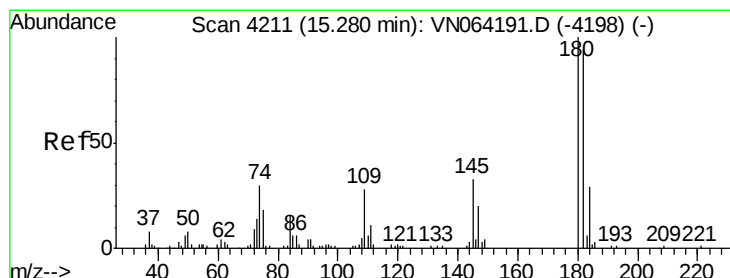
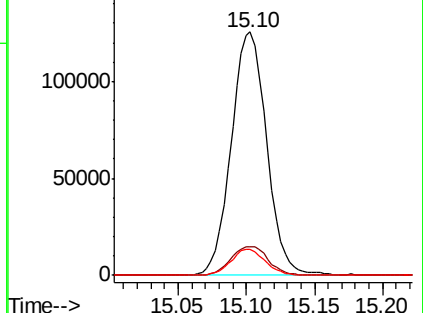
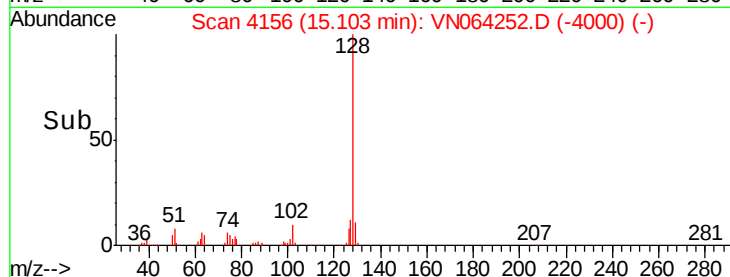
129 10.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 19.515 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

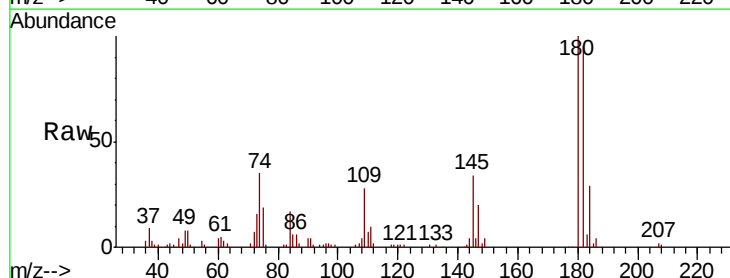
Tgt Ion:180 Resp: 72052

Ion Ratio Lower Upper

180 100

182 96.6 0.0 190.0

145 33.3 0.0 66.6



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

