

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064190.D
 Acq On : 20 Oct 2020 9:49
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Oct 20 11:10:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 20 11:03:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	58154	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	334930	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	292354	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	145503	28.21	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.03%
60) 4-Bromofluorobenzene	12.37	95	158126	31.03	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.43%
63) Toluene-d8	10.06	98	406492	30.65	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	16407	4.319 ug/l	98
3) Chloromethane	2.04	50	19895	5.044 ug/l	94
4) Vinyl Chloride	2.16	62	19348	4.931 ug/l #	84
5) Bromomethane	2.53	94	12446	5.006 ug/l	86
6) Chloroethane	2.68	64	12234	5.040 ug/l	92
7) Trichlorofluoromethane	2.98	101	33590	5.348 ug/l	97
8) Diethyl Ether	3.37	74	11953	5.878 ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.71	101	10705	3.308 ug/l #	30
10) 1,1-Dichloroethene	3.70	96	18491	6.044 ug/l	87
11) Methyl Iodide	3.91	142	23223	5.847 ug/l	98
12) Methyl Acetate	4.27	43	10395	2.862 ug/l #	63
13) Acrolein	3.57	56	10631	28.843 ug/l #	60
14) Acrylonitrile	4.92	53	35154	23.463 ug/l	92
15) Acetone	3.78	58	9717	22.969 ug/l	96
16) Carbon Disulfide	4.01	76	50016	5.547 ug/l	98
17) Allyl chloride	4.28	41	32913	5.868 ug/l	90
18) Methylene Chloride	4.50	84	22340	6.226 ug/l	90
19) trans-1,2-Dichloroethene	4.98	96	19790	5.737 ug/l #	78
20) Diisopropyl ether	5.89	45	61559	5.463 ug/l	93
21) 1,1-Dichloroethane	5.79	63	38524	5.670 ug/l	95
22) cis-1,2-Dichloroethene	6.78	96	23486	5.965 ug/l #	83
23) tert-Butyl Alcohol	4.71	59	6408	9.970 ug/l #	100
24) Methyl tert-Butyl Ether	4.98	73	60079	5.879 ug/l #	79
25) Chloroform	7.32	83	40322	5.668 ug/l	95
26) Cyclohexane	7.61	56	31487	6.276 ug/l	95
29) 1,1-Dichloropropene	7.75	75	28792	5.134 ug/l	91
30) 2-Butanone	6.78	43	60615	22.808 ug/l	98
31) 2,2-Dichloropropane	6.77	77	39408	5.836 ug/l #	74
32) 1,1,1-Trichloroethane	7.53	97	37818	5.320 ug/l	95
33) Carbon Tetrachloride	7.73	117	34823	5.534 ug/l	94
34) Benzene	8.00	78	80544	5.102 ug/l #	74
35) Methacrylonitrile	7.12	41	12186	4.667 ug/l	93
36) 1,2-Dichloroethane	8.08	62	33191	4.838 ug/l #	94
37) Trichloroethene	8.80	130	22853	5.440 ug/l	100
38) Methylcyclohexane	9.05	83	29526	6.102 ug/l	95
39) 1,2-Dichloropropane	9.08	63	21764	5.098 ug/l	100
40) Dibromomethane	9.17	93	16338	5.501 ug/l	96

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Quant Time: Oct 20 11:10:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 20 11:03:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	33626	5.366	ug/l	95
42) Vinyl Acetate	5.84	43	286964	25.387	ug/l	99
43) Ethyl Acetate	6.87	43	26675	4.633	ug/l #	93
44) Isopropyl Acetate	8.12	43	52750	5.429	ug/l #	87
45) 1,4-Dioxane	9.16	88	6259	102.964	ug/l	96
46) Methyl methacrylate	9.16	41	23135	4.826	ug/l	98
47) n-amyl Acetate	12.04	43	46226	5.340	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	36420	5.342	ug/l	95
49) cis-1,3-Dichloropropene	9.80	75	38788	5.475	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	20681	5.156	ug/l	94
51) Ethyl methacrylate	10.40	69	33122	5.605	ug/l	91
52) 1,3-Dichloropropane	10.68	76	35982	5.237	ug/l	97
53) Dibromochloromethane	10.87	129	25492	5.469	ug/l	100
54) 1,2-Dibromoethane	10.97	107	21458	5.111	ug/l	96
55) 2-Chloroethyl vinyl ether	9.66	63	66755	21.044	ug/l	99
56) Bromoform	12.10	173	16805	5.147	ug/l #	96
58) 4-Methyl-2-Pentanone	9.95	43	136835	25.748	ug/l	98
59) 2-Hexanone	10.72	43	102853	25.890	ug/l	100
61) Tetrachloroethene	10.60	164	23183	6.461	ug/l	92
62) Toluene	10.12	91	91938	5.677	ug/l	100
64) Chlorobenzene	11.41	112	57076	5.774	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.48	131	22450	5.827	ug/l	98
66) Ethyl Benzene	11.48	91	104637	5.805	ug/l	96
67) m/p-Xylenes	11.59	106	78818	11.826	ug/l	99
68) o-Xylene	11.92	106	38595	6.053	ug/l	94
69) Styrene	11.94	104	62779	5.767	ug/l	97
70) Isopropylbenzene	12.22	105	99862	5.879	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	27498	5.275	ug/l	99
72) 1,2,3-Trichloropropane	12.52	75	40985	7.873	ug/l	48
73) Bromobenzene	12.50	156	23239	5.402	ug/l	95
74) n-propylbenzene	12.56	91	111636	5.649	ug/l	99
75) 2-Chlorotoluene	12.65	91	71232	5.903	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	82785	5.773	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	10653	5.482	ug/l	94
78) 4-Chlorotoluene	12.75	91	73472	5.776	ug/l	97
79) tert-butylbenzene	12.96	119	67100	5.798	ug/l	96
80) 1,2,4-Trimethylbenzene	13.01	105	86718	6.014	ug/l	100
81) sec-Butylbenzene	13.14	105	88998	5.867	ug/l	100
82) p-Isopropyltoluene	13.26	119	81182	5.868	ug/l	98
83) 1,3-Dichlorobenzene	13.25	146	42084	5.549	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	40270	5.306	ug/l	95
85) n-Butylbenzene	13.59	91	72579	6.004	ug/l	99
86) Hexachloroethane	13.85	117	13530	5.679	ug/l	96
87) 1,2-Dichlorobenzene	13.63	146	41744	5.649	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.24	75	7292	5.830	ug/l	89
89) 1,2,4-Trichlorobenzene	14.88	180	22830	5.789	ug/l	92
90) Hexachlorobutadiene	14.98	225	13474	6.603	ug/l	98
91) Naphthalene	15.10	128	71435	6.016	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	21964	5.797	ug/l	99

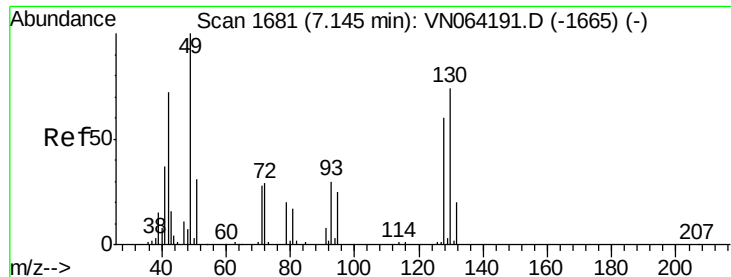
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
Data File : VN064190.D
Acq On : 20 Oct 2020 9:49
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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QLast Update : Tue Oct 20 11:03:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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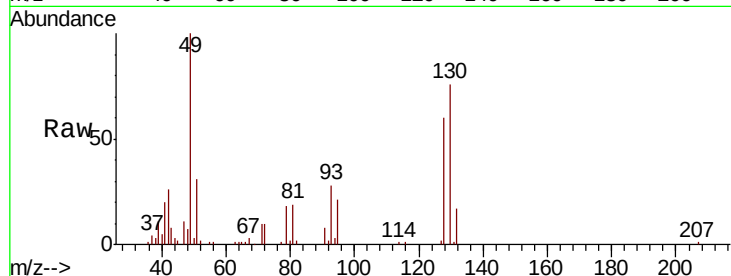
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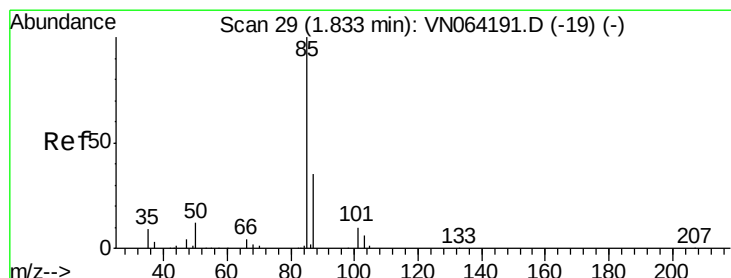
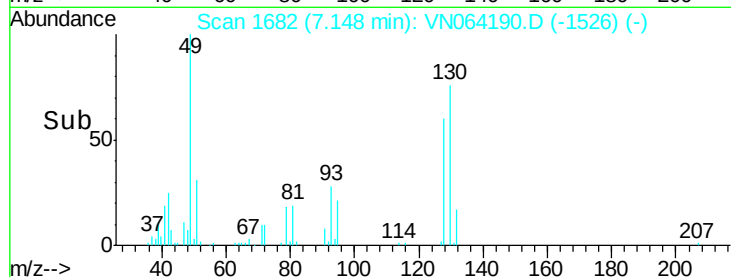
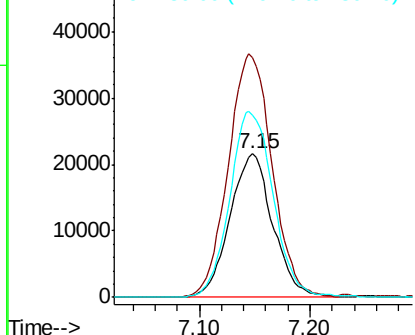
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.15 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 58154
Ion Ratio Lower Upper
128 100
49 173.1 0.0 433.3
130 130.8 0.0 322.5

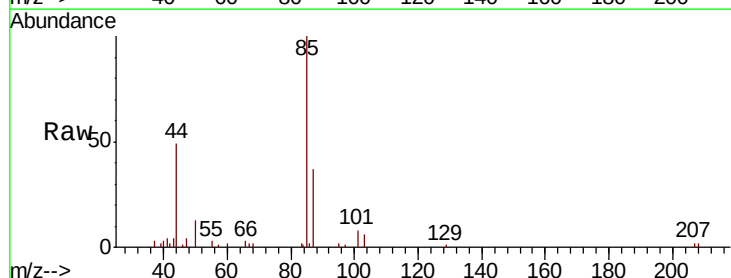


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

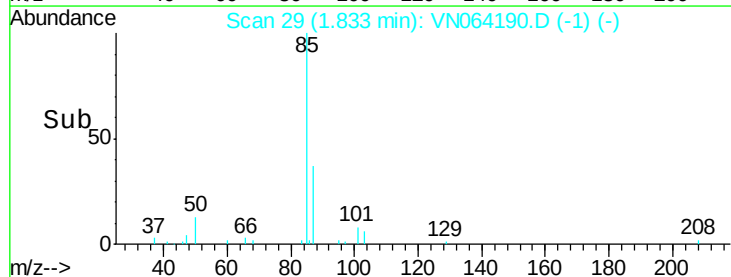
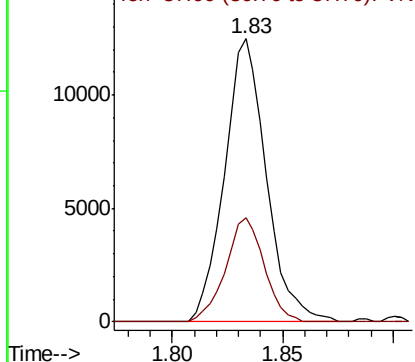


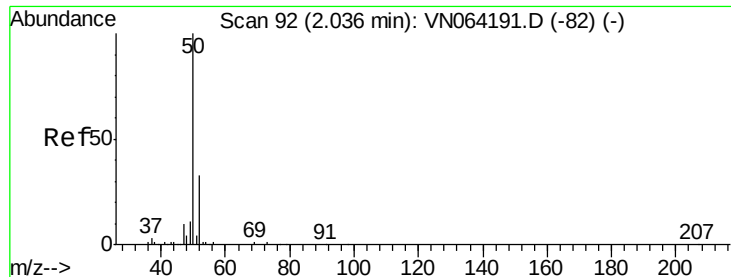
#2
Dichlorodifluoromethane
Concen: 4.319 ug/l
RT: 1.83 min Scan# 29
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tgt Ion: 85 Resp: 16407
Ion Ratio Lower Upper
85 100
87 36.6 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: 5.044 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

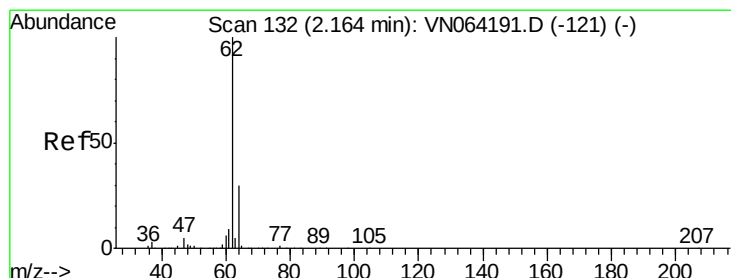
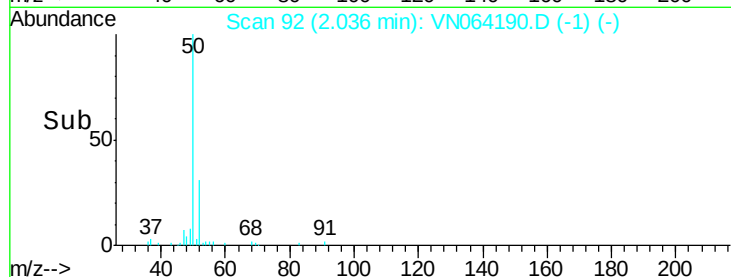
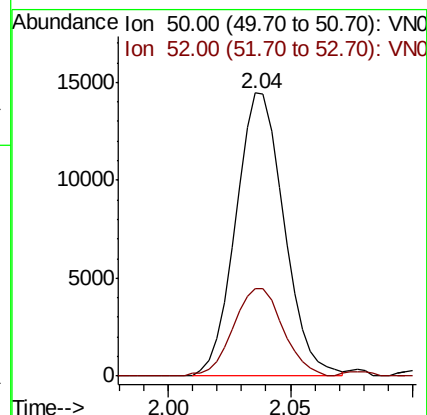
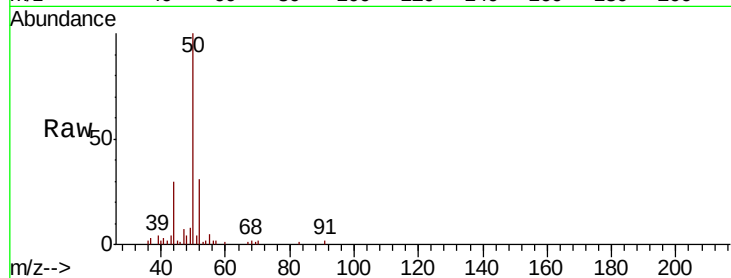
VSTDIC005

Tot Ion: 50 Resp: 19895

Ion Ratio Lower Upper

50 100

52 30.0 26.6 40.0



#4

Vinyl Chloride

Concen: 4.931 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064190.D

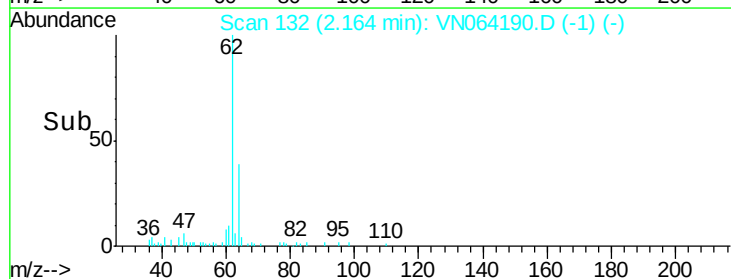
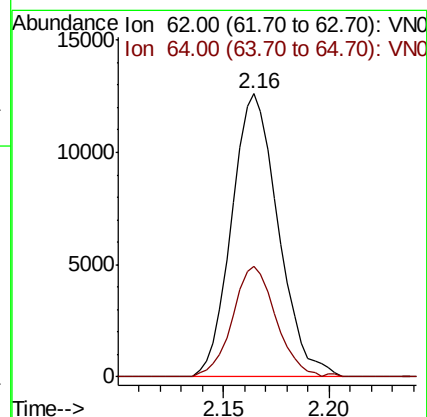
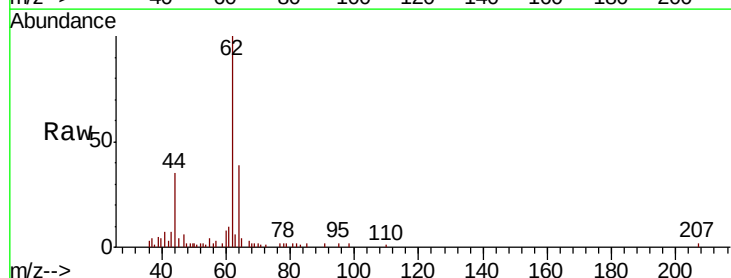
Acq: 20 Oct 2020 9:49

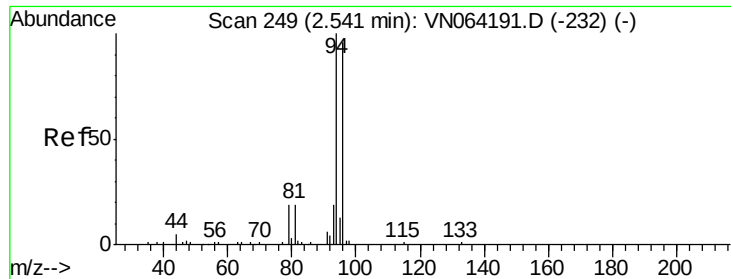
Tgt Ion: 62 Resp: 19348

Ion Ratio Lower Upper

62 100

64 39.2 24.4 36.6#





#5

Bromomethane

Concen: 5.006 ug/l

RT: 2.53 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

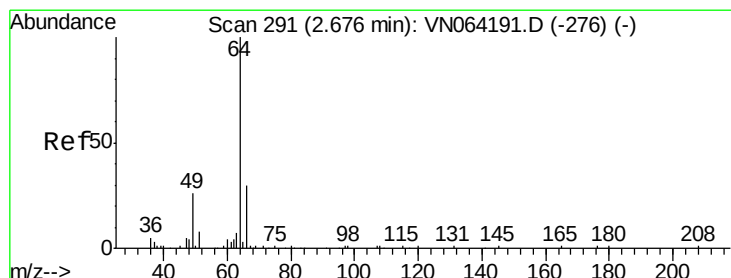
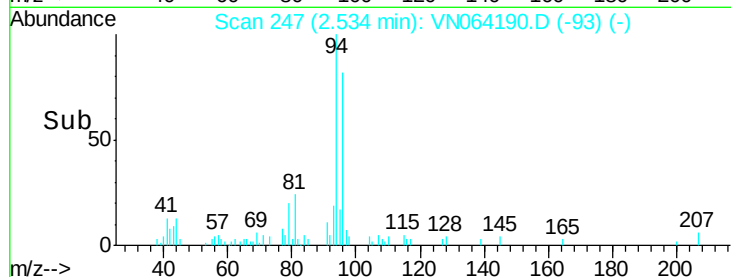
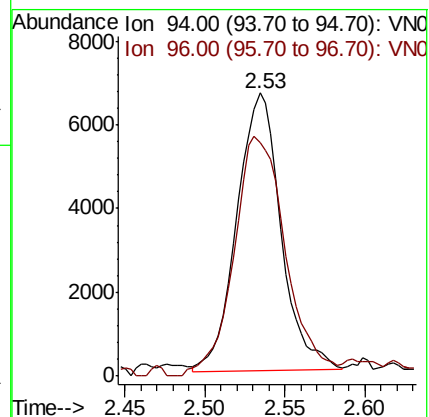
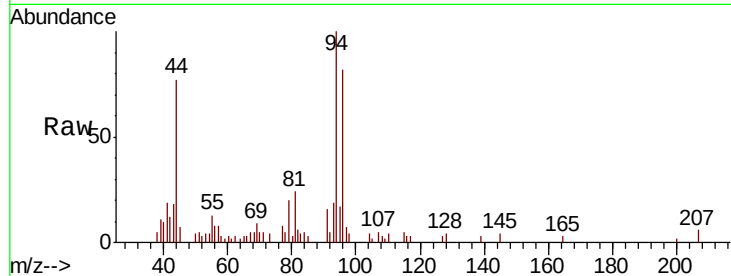
VSTDIC005

Tot Ion: 94 Resp: 12446

Ion Ratio Lower Upper

94 100

96 81.7 76.6 115.0



#6

Chloroethane

Concen: 5.040 ug/l

RT: 2.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN064190.D

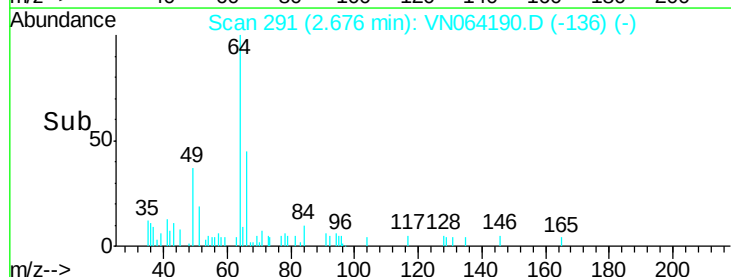
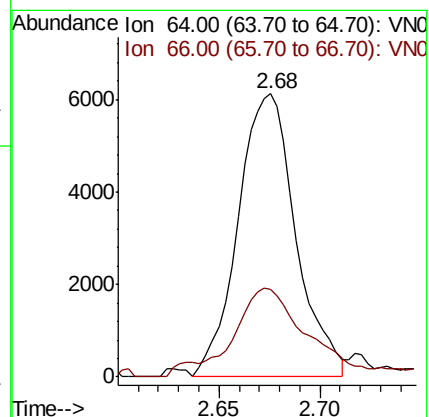
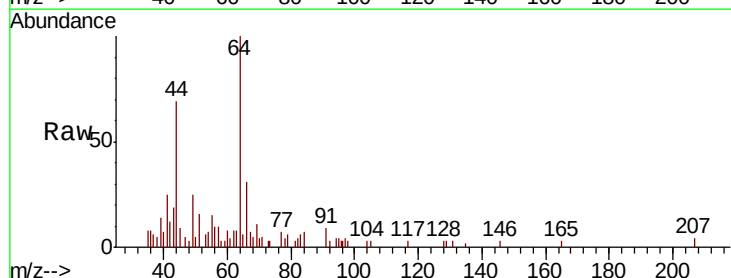
Acq: 20 Oct 2020 9:49

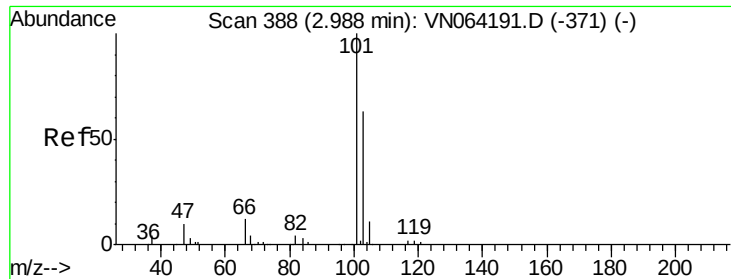
Tgt Ion: 64 Resp: 12234

Ion Ratio Lower Upper

64 100

66 25.9 24.3 36.5



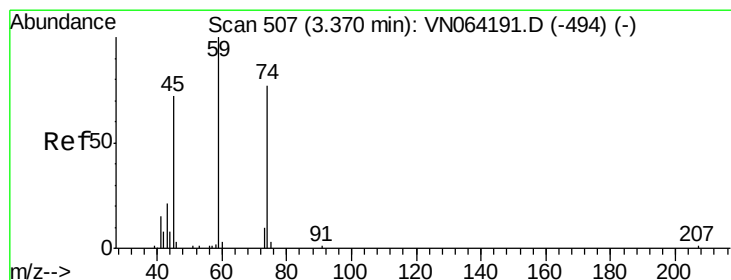
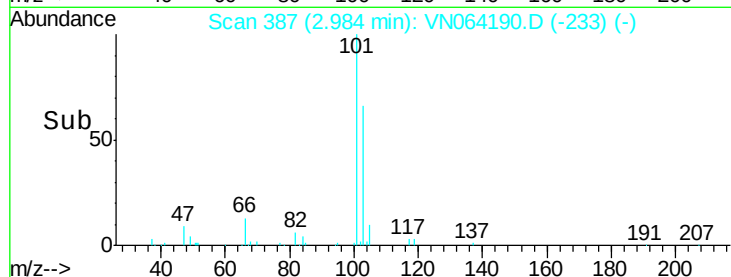
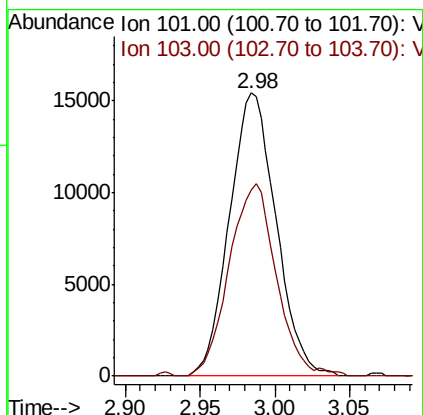
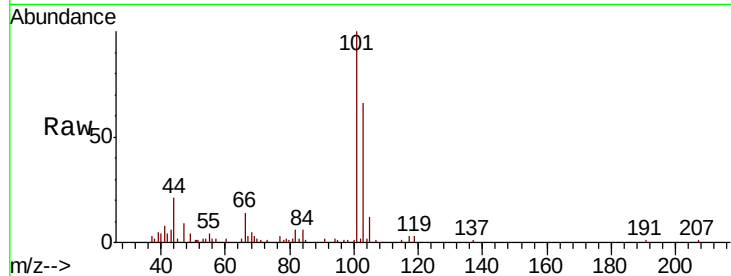


#7

Trichlorofluoromethane
 Concen: 5.348 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

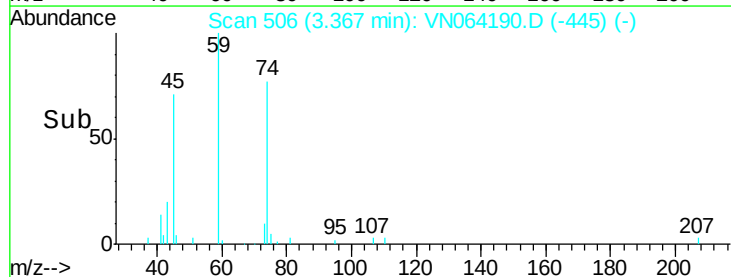
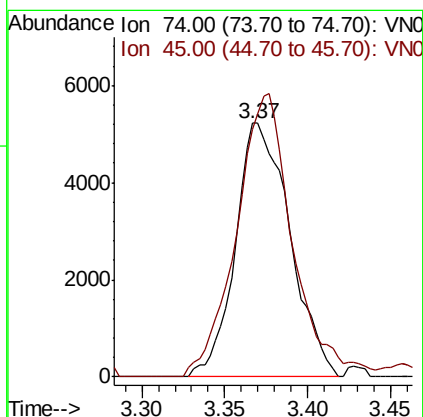
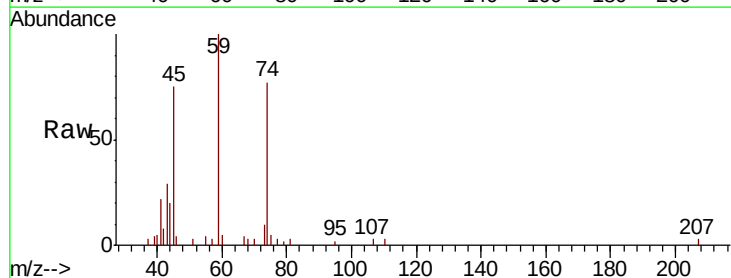
Tot Ion:101 Resp: 33590
 Ion Ratio Lower Upper
 101 100
 103 65.9 50.7 76.1

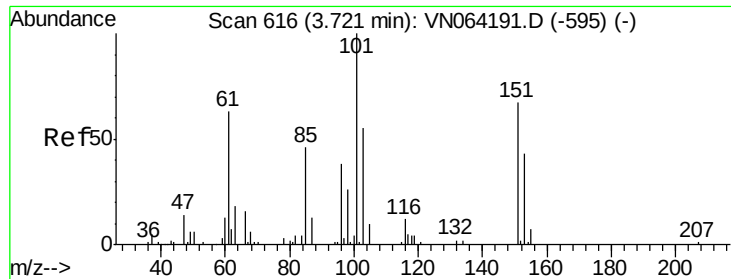


#8

Diethyl Ether
 Concen: 5.878 ug/l
 RT: 3.37 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Tgt Ion: 74 Resp: 11953
 Ion Ratio Lower Upper
 74 100
 45 113.1 19.5 175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.308 ug/l

RT: 3.71 min Scan# 613

Delta R.T. -0.01 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

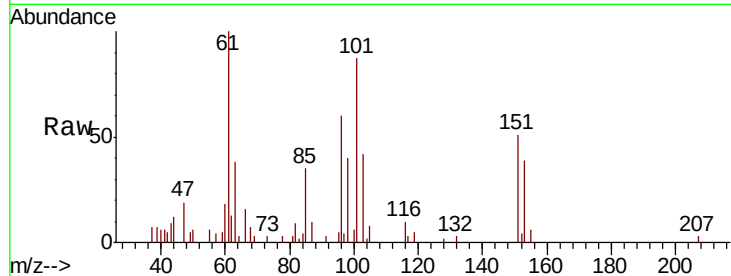
Tot Ion:101 Resp: 10705

Ion Ratio Lower Upper

101 100

85 0.0 0.0 94.0

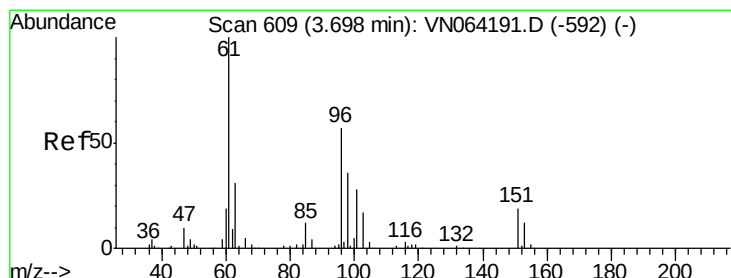
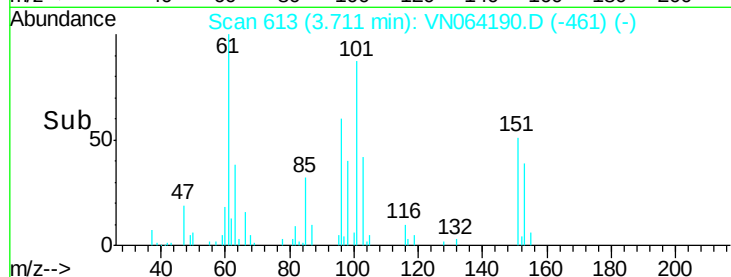
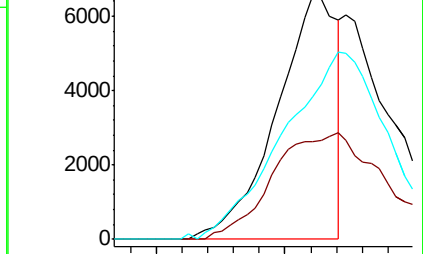
151 132.5 0.0 146.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 6.044 ug/l

RT: 3.70 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

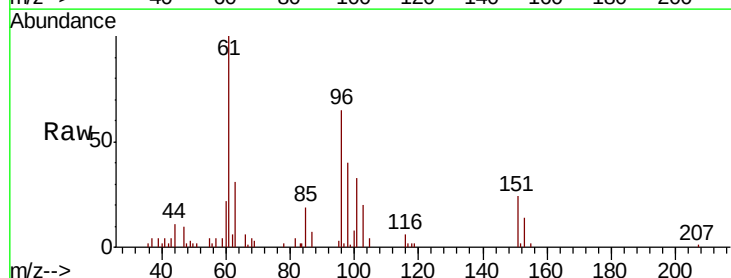
Tgt Ion: 96 Resp: 18491

Ion Ratio Lower Upper

96 100

61 152.9 141.0 211.4

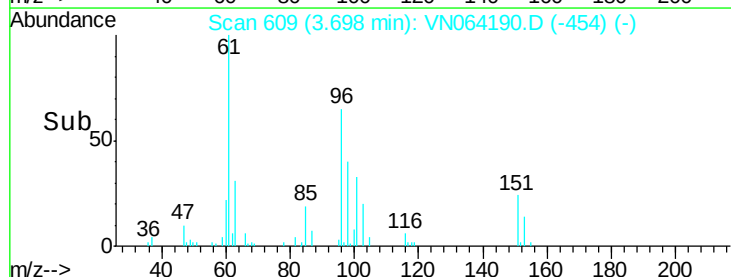
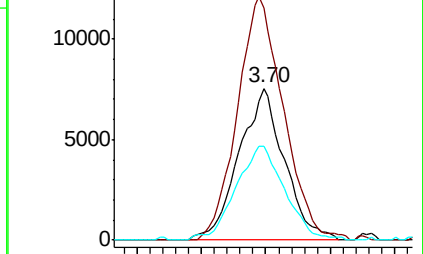
98 61.6 51.4 77.2

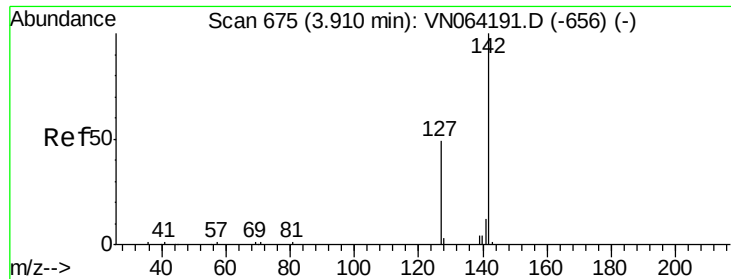


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

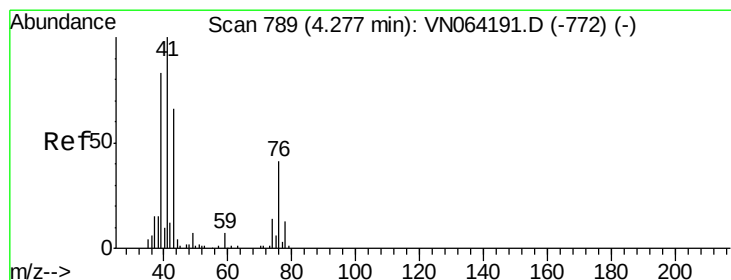
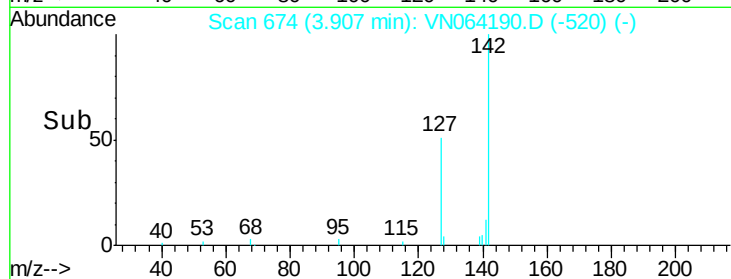
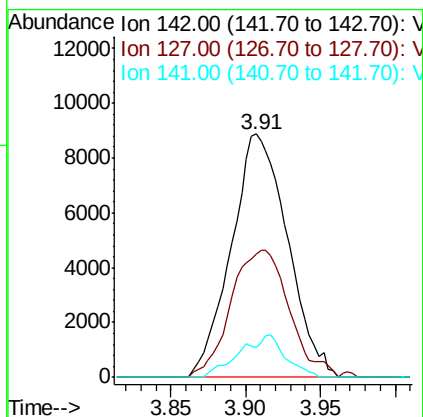
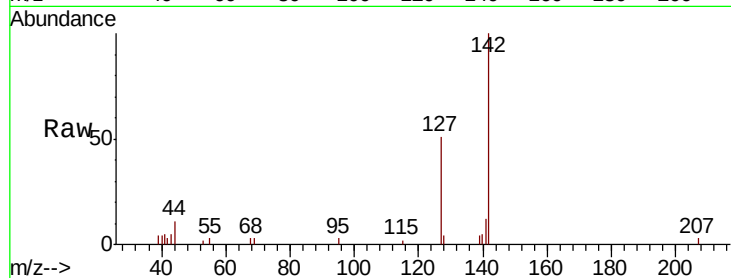




#11
Methyl Iodide
Concen: 5.847 ug/l
RT: 3.91 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

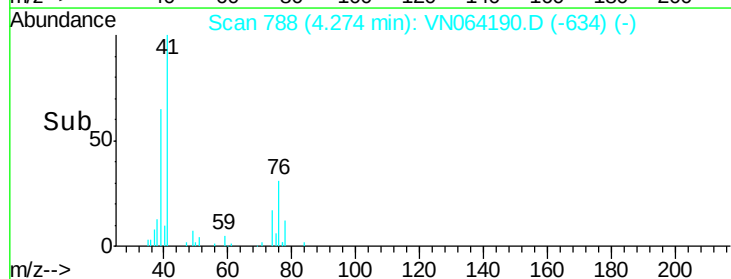
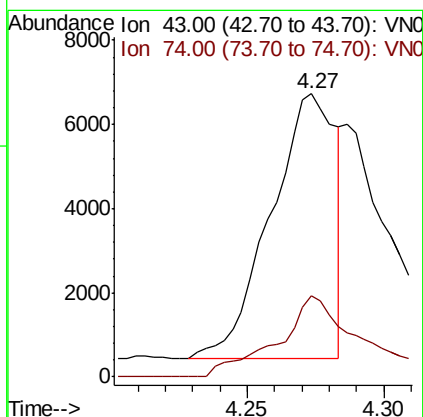
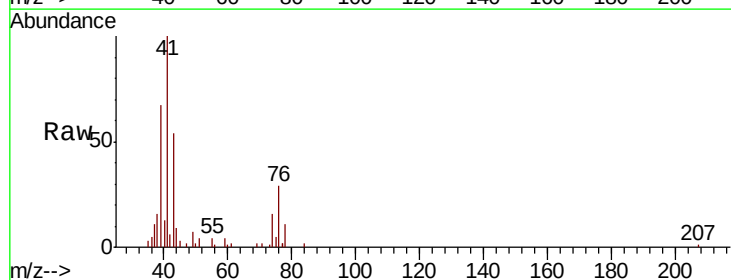
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

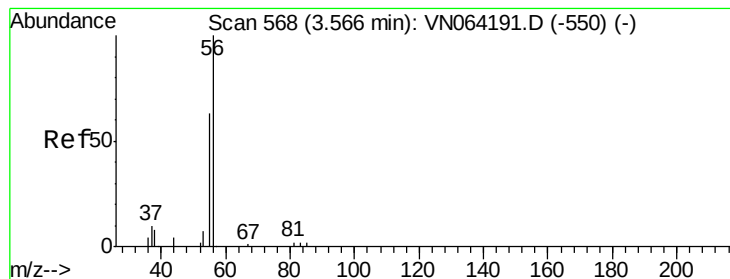
Tot Ion:142 Resp: 23223
Ion Ratio Lower Upper
142 100
127 50.8 24.5 73.5
141 12.1 6.0 18.1



#12
Methyl Acetate
Concen: 2.862 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tgt Ion: 43 Resp: 10395
Ion Ratio Lower Upper
43 100
74 37.4 16.2 24.2#





#13

Acrolein

Concen: 28.843 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

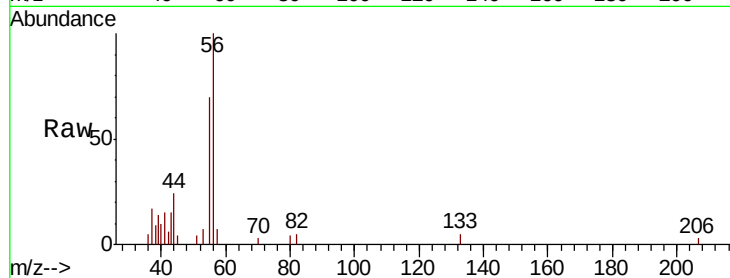
VSTDIC005

Tot Ion: 56 Resp: 10631

Ion Ratio Lower Upper

56 100

55 24.0 0.5 0.7#

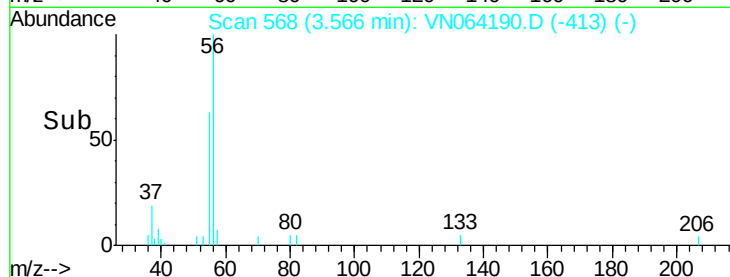


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.57

Time-->



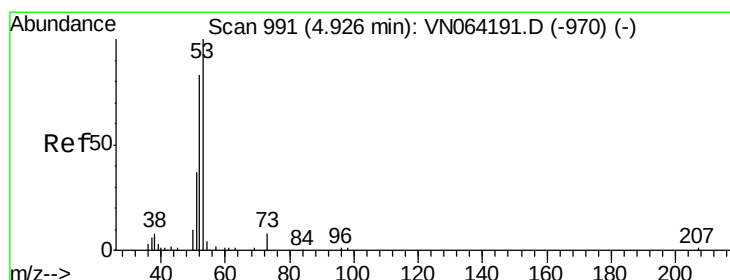
Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

4.92

Time-->



#14

Acrylonitrile

Concen: 23.463 ug/l

RT: 4.92 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

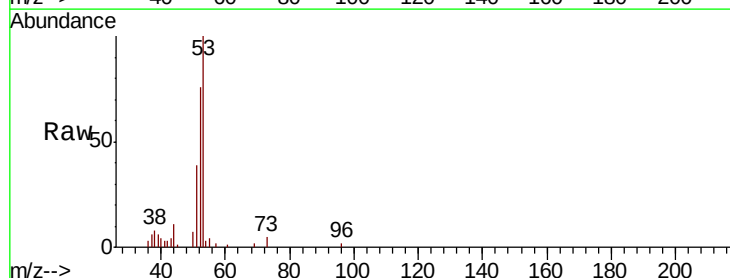
Tgt Ion: 53 Resp: 35154

Ion Ratio Lower Upper

53 100

52 88.9 41.3 123.9

51 42.0 18.1 54.1



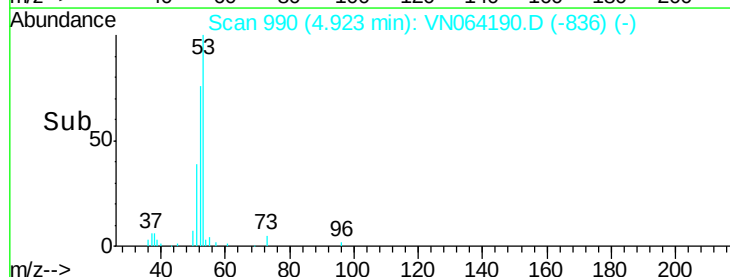
Abundance Ion 53.00 (52.70 to 53.70): VN0

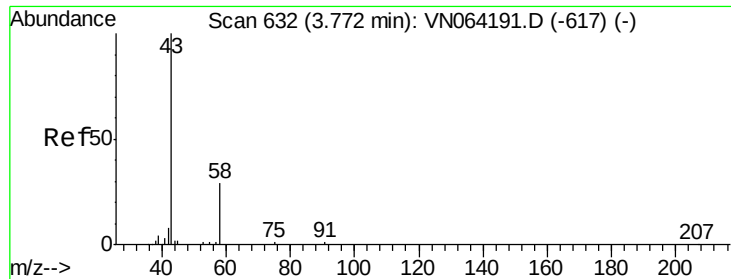
Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

4.92

Time-->





#15

Acetone

Concen: 22.969 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

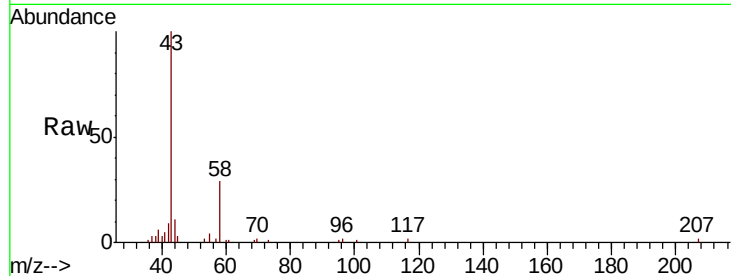
VSTDIC005

Tot Ion: 58 Resp: 9717

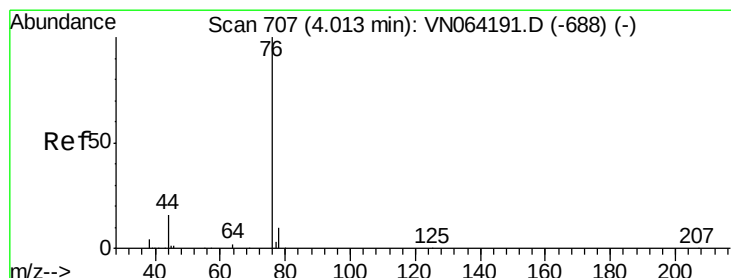
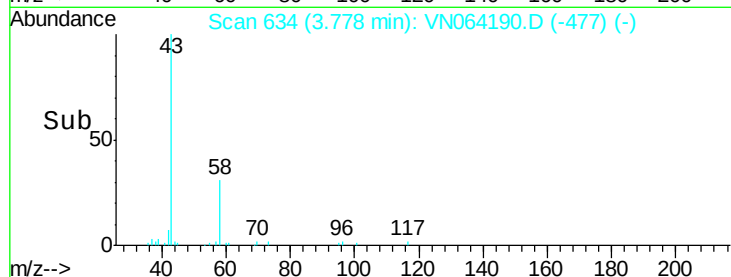
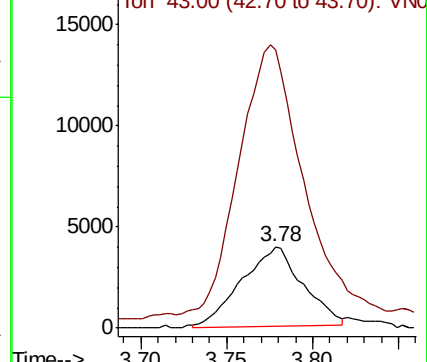
Ion Ratio Lower Upper

58 100

43 330.7 272.1 408.1



Abundance Ion 58.00 (57.70 to 58.70): VN064190.D (-617) (-)



#16

Carbon Disulfide

Concen: 5.547 ug/l

RT: 4.01 min Scan# 705

Delta R.T. -0.01 min

Lab File: VN064190.D

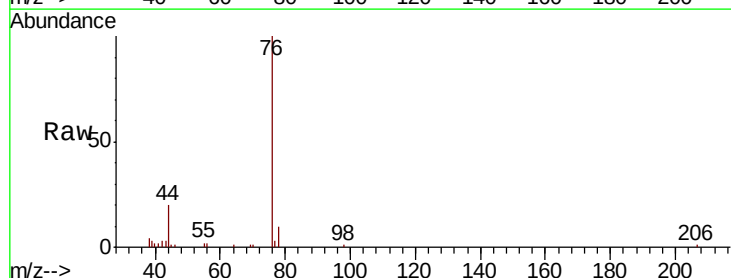
Acq: 20 Oct 2020 9:49

Tgt Ion: 76 Resp: 50016

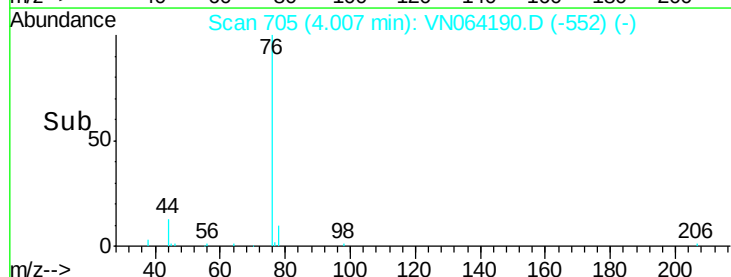
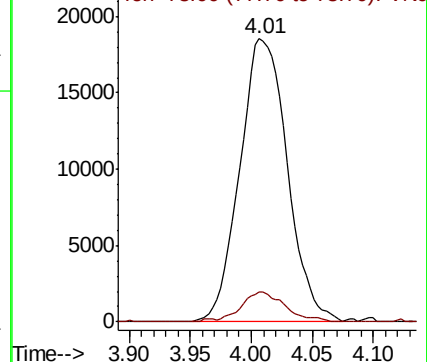
Ion Ratio Lower Upper

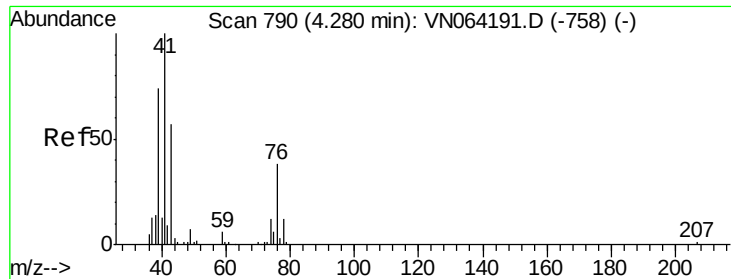
76 100

78 10.4 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VN064190.D (-688) (-)

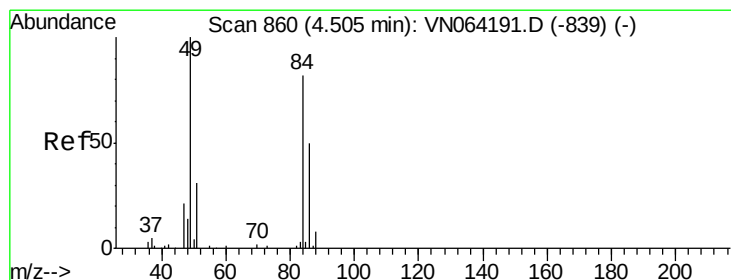
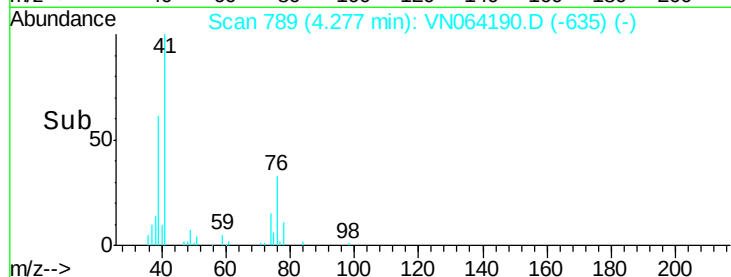
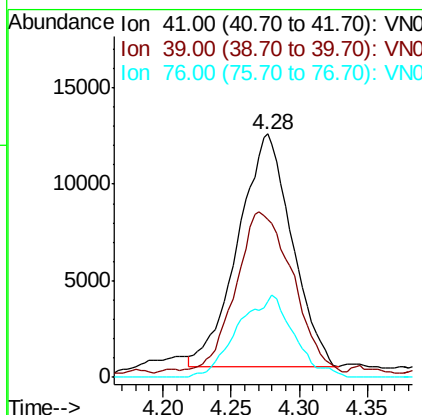
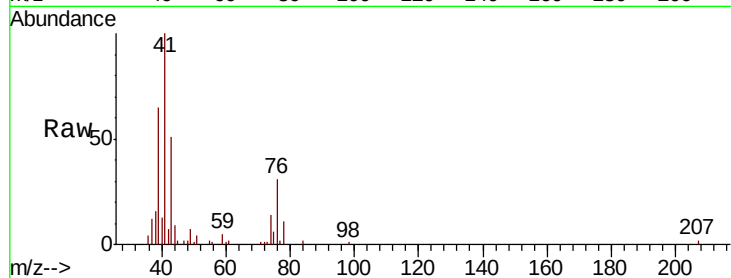




#17
Allvl chloride
Concen: 5.868 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

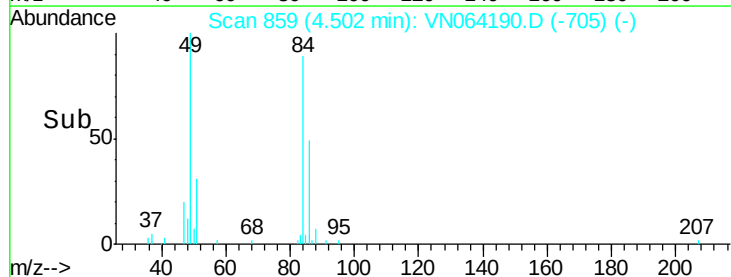
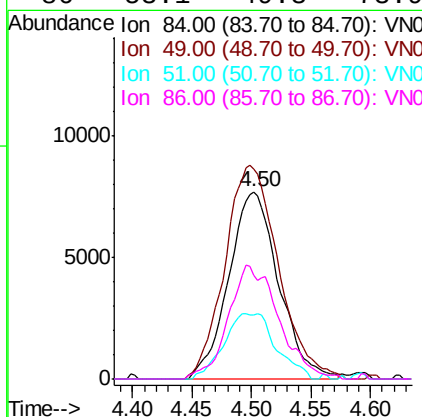
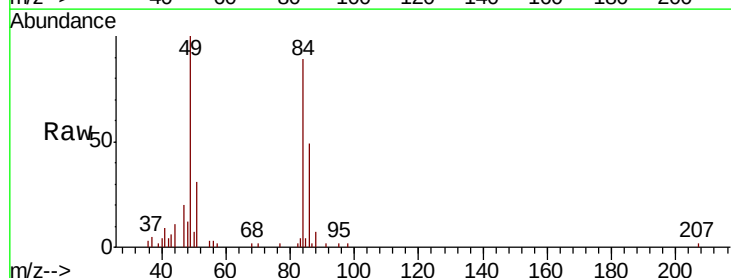
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

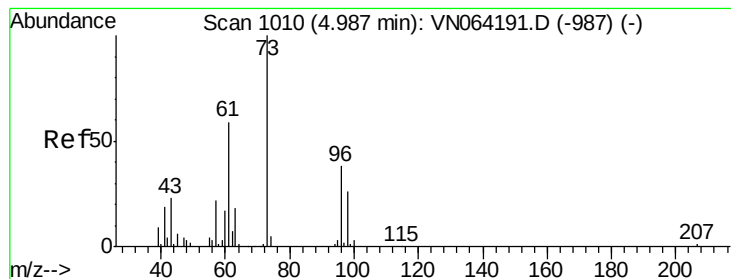
Tot Ion: 41 Resp: 32913
Ion Ratio Lower Upper
41 100
39 64.8 36.8 110.4
76 32.8 18.8 56.4



#18
Methylene Chloride
Concen: 6.226 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tgt Ion: 84 Resp: 22340
Ion Ratio Lower Upper
84 100
49 110.1 97.6 146.4
51 34.4 31.1 46.7
86 53.1 49.3 73.9





#19

trans-1,2-Dichloroethene

Concen: 5.737 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

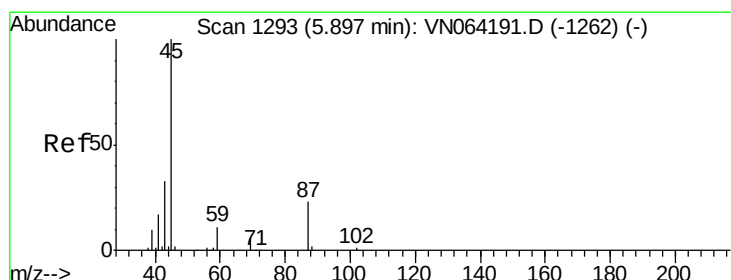
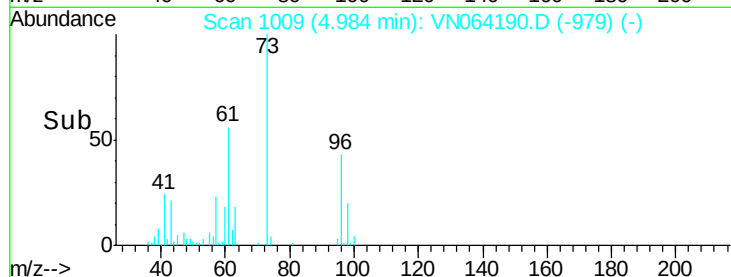
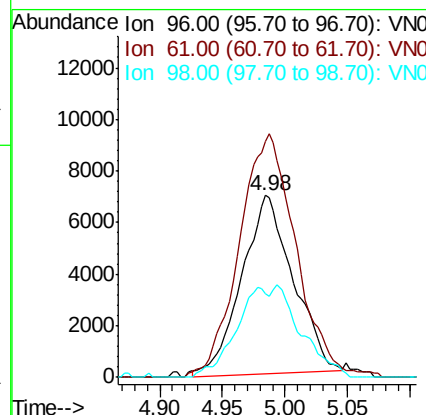
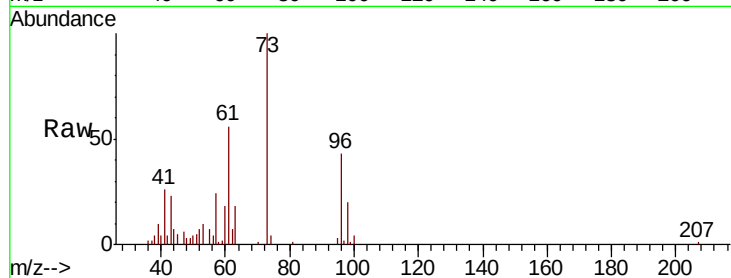
Tot Ion: 96 Resp: 19790

Ion Ratio Lower Upper

96 100

61 130.6 125.5 188.3

98 47.5 54.7 82.1#



#20

Diisopropyl ether

Concen: 5.463 ug/l

RT: 5.89 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Tgt Ion: 45 Resp: 61559

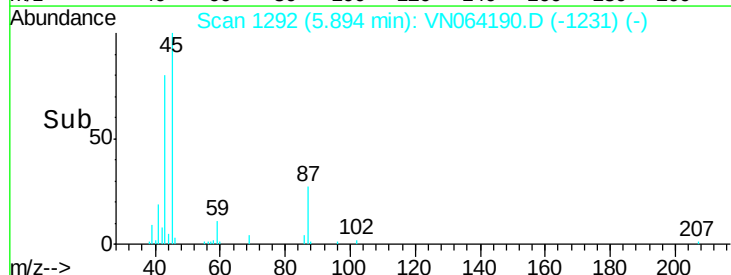
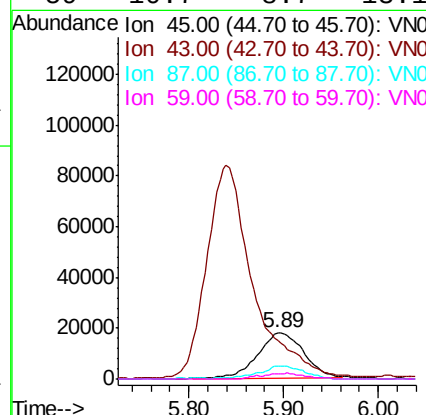
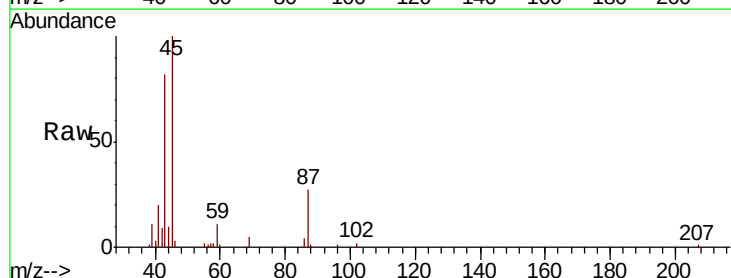
Ion Ratio Lower Upper

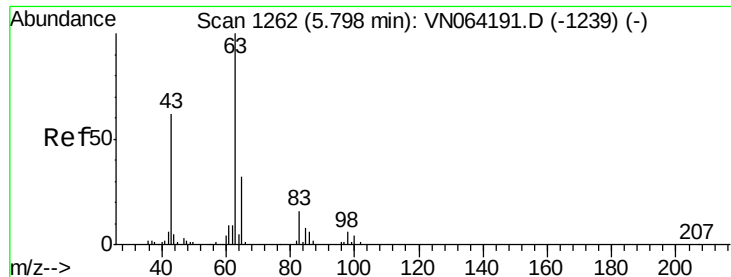
45 100

43 75.0 55.1 82.7

87 27.9 19.4 29.2

59 10.7 8.7 13.1





#21

1,1-Dichloroethane

Concen: 5.670 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

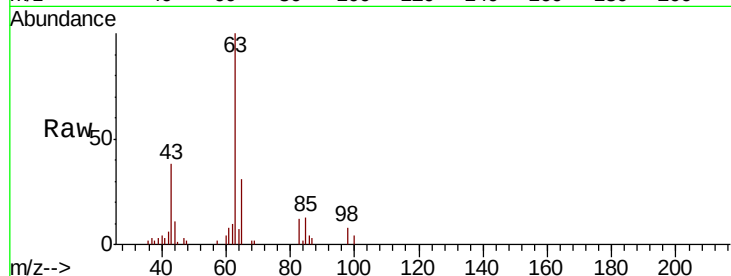
Tot Ion: 63 Resp: 38524

Ion Ratio Lower Upper

63 100

98 8.3 2.9 8.7

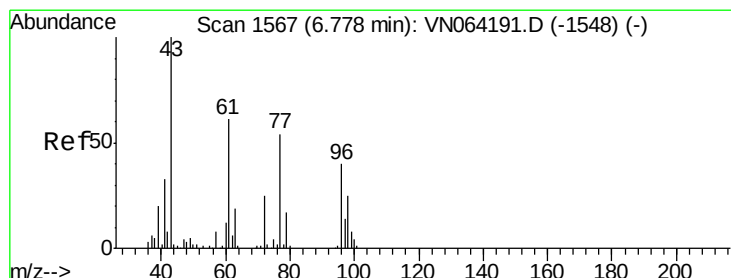
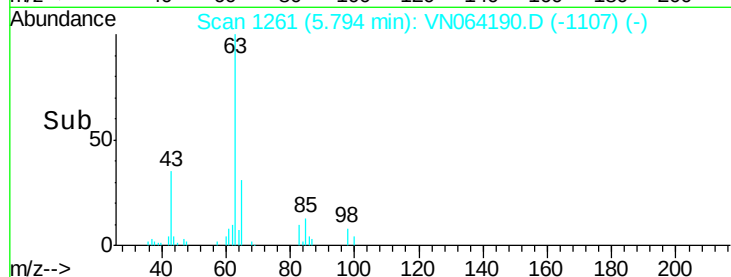
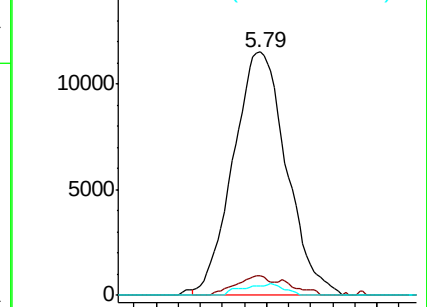
100 3.9 2.1 6.3



Abundance Ion 63.00 (62.70 to 63.70): VN064190.D (-1107) (-)

Ion 98.00 (97.70 to 98.70): VN064190.D (-1107) (-)

Ion 100.00 (99.70 to 100.70): VN064190.D (-1107) (-)



#22

cis-1,2-Dichloroethene

Concen: 5.965 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

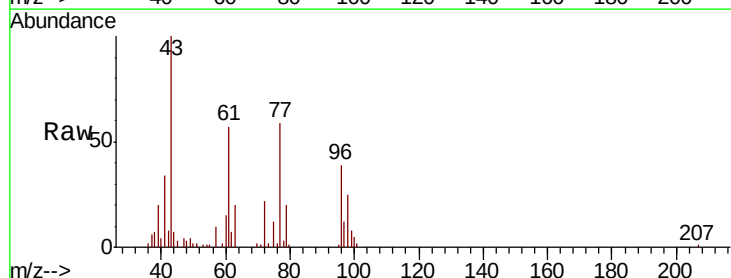
Tgt Ion: 96 Resp: 23486

Ion Ratio Lower Upper

96 100

61 149.7 126.2 189.4

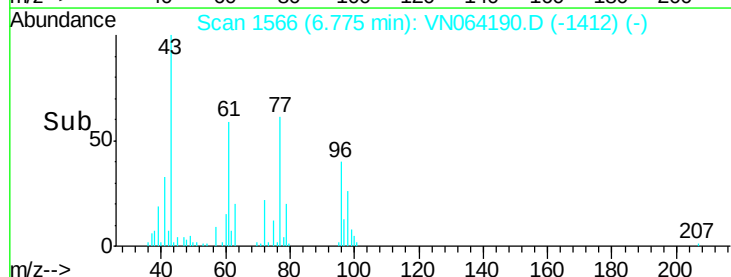
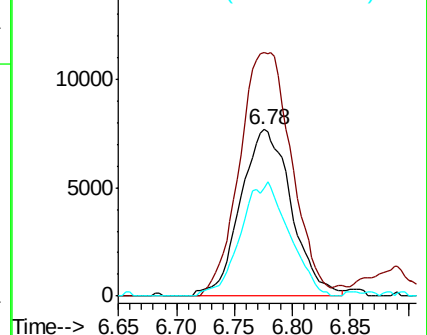
98 28.7 50.2 75.4#

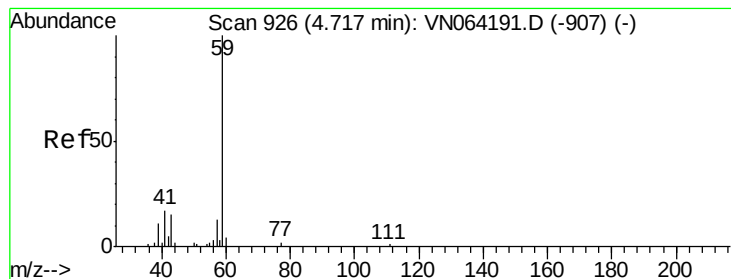


Abundance Ion 96.00 (95.70 to 96.70): VN064190.D (-1412) (-)

Ion 61.00 (60.70 to 61.70): VN064190.D (-1412) (-)

Ion 98.00 (97.70 to 98.70): VN064190.D (-1412) (-)





#23

tert-Butyl Alcohol

Concen: 9.970 ug/l

RT: 4.71 min Scan# 925

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

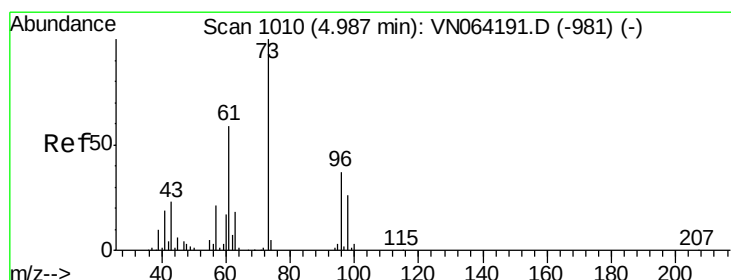
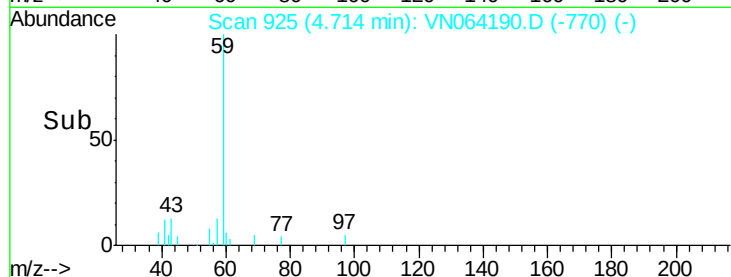
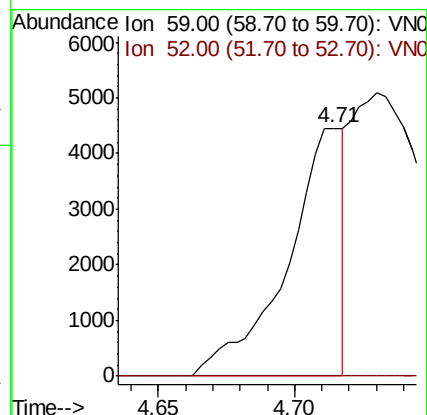
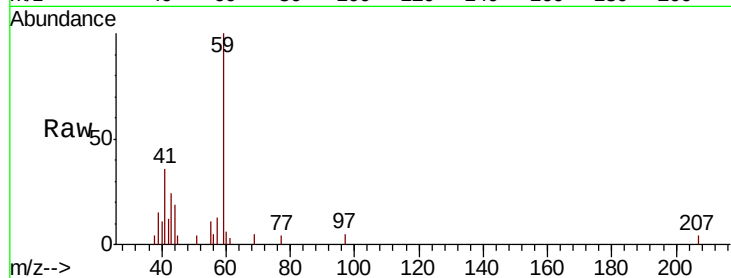
VSTDIC005

Tot Ion: 59 Resp: 6408

Ion Ratio Lower Upper

59 100

52 1.0 0.0 0.0#



#24

Methyl tert-Butyl Ether

Concen: 5.879 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN064190.D

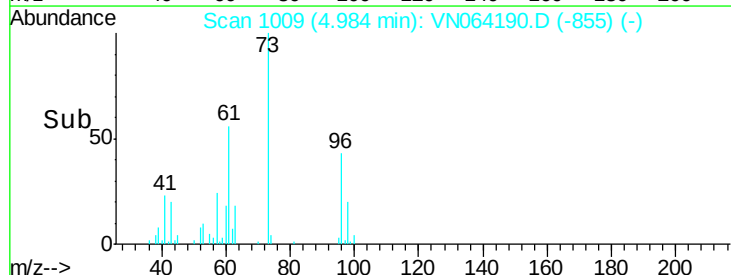
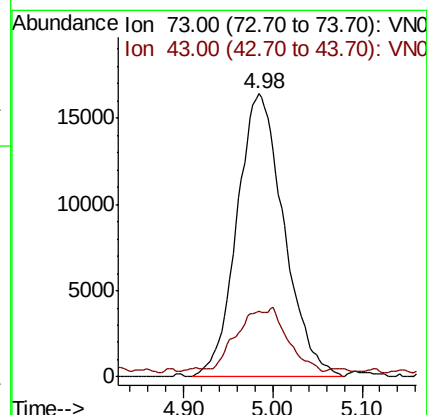
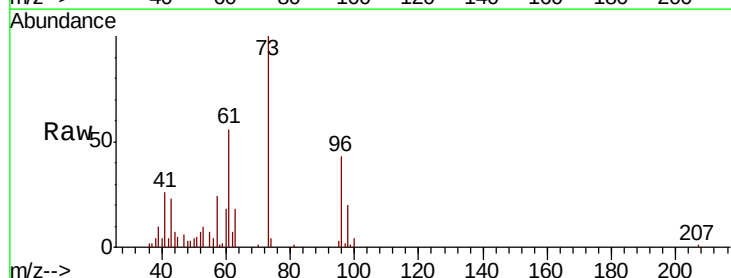
Acq: 20 Oct 2020 9:49

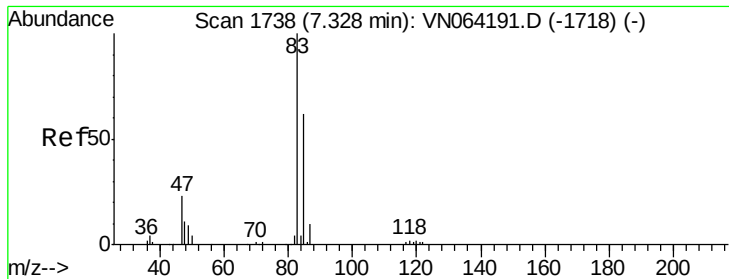
Tgt Ion: 73 Resp: 60079

Ion Ratio Lower Upper

73 100

43 12.3 18.2 27.2#

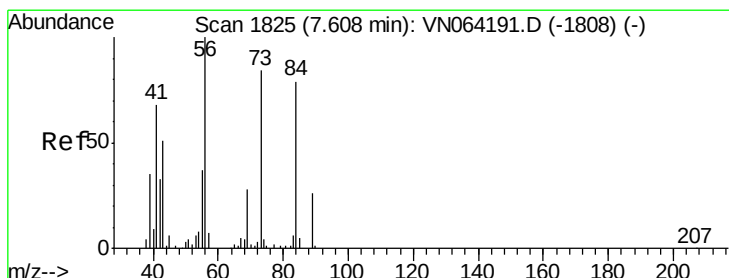
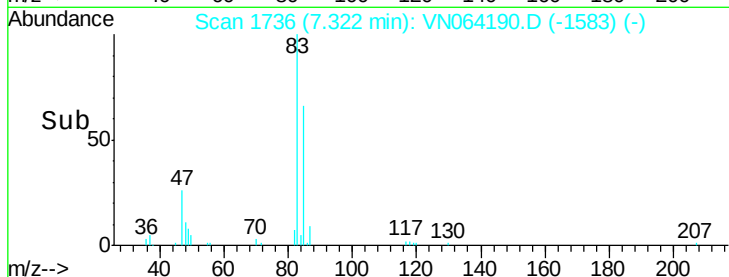
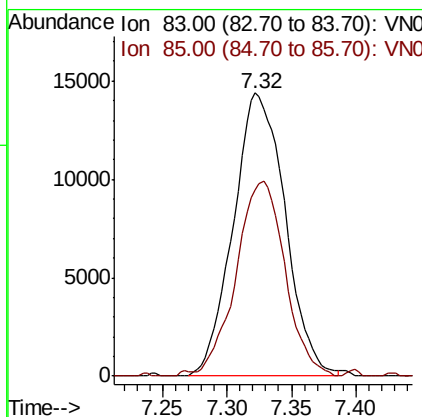
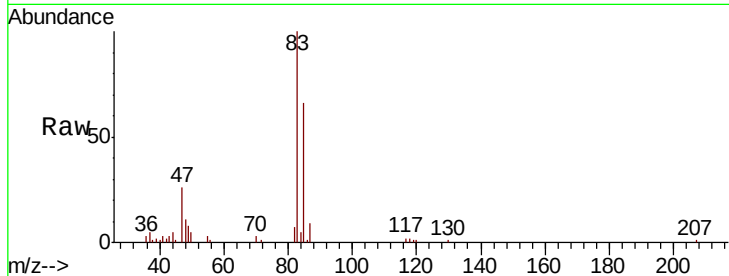




#25
Chloroform
Concen: 5.668 ug/l
RT: 7.32 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

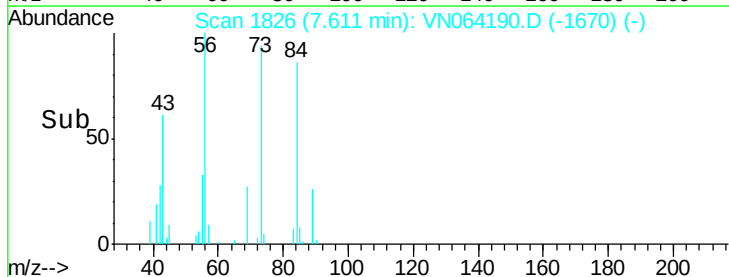
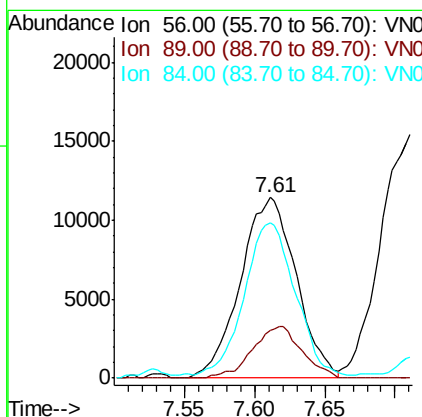
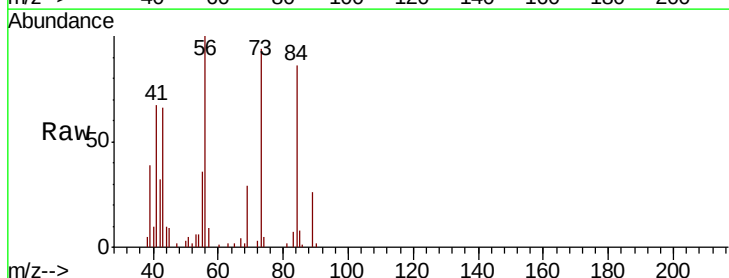
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

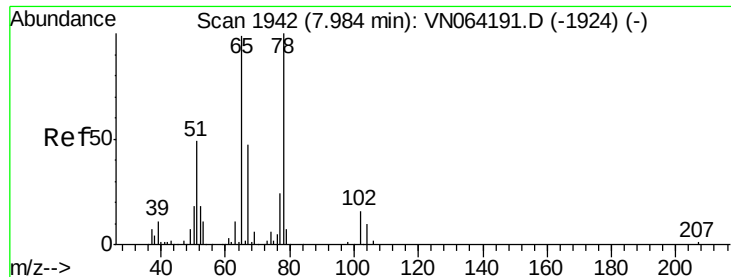
Tot Ion: 83 Resp: 40322
Ion Ratio Lower Upper
83 100
85 65.9 49.7 74.5



#26
Cyclohexane
Concen: 6.276 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tgt Ion: 56 Resp: 31487
Ion Ratio Lower Upper
56 100
89 25.3 21.4 32.0
84 77.6 65.8 98.6

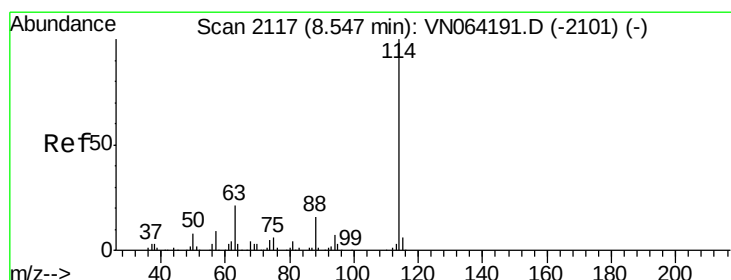
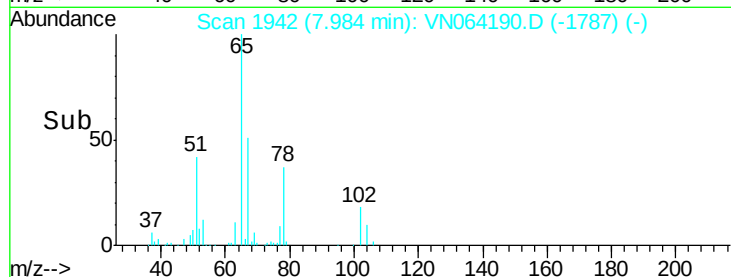
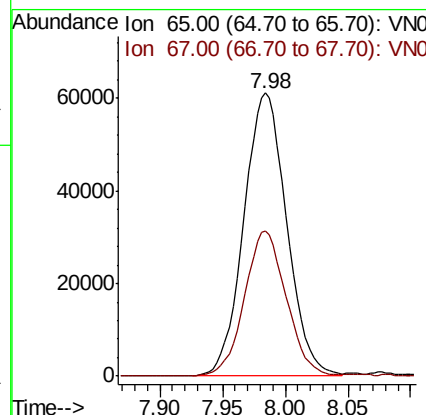
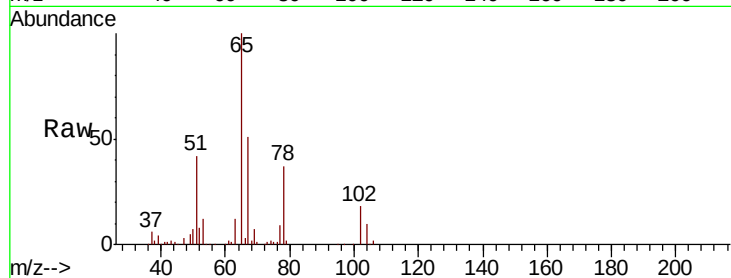




#27
 1,2-Dichloroethane-d4
 Concen: 28.214 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

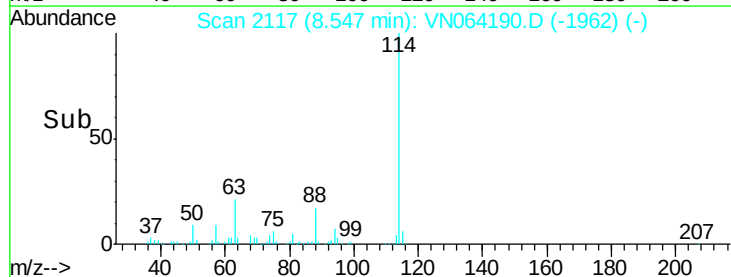
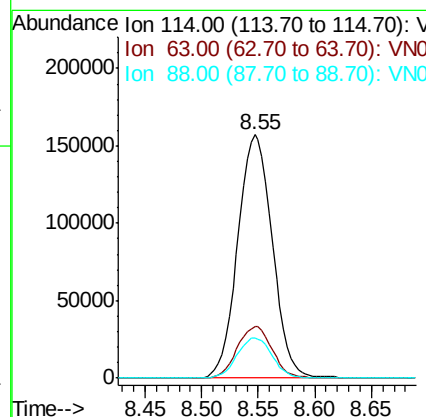
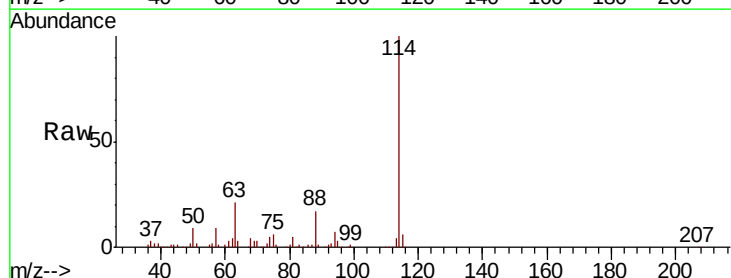
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

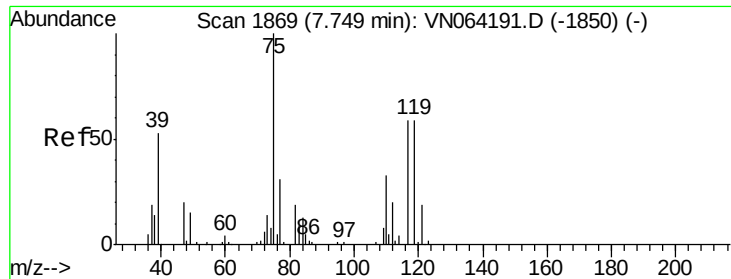
Tot Ion: 65 Resp: 145503
 Ion Ratio Lower Upper
 65 100
 67 50.0 39.8 59.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Tgt Ion: 114 Resp: 334930
 Ion Ratio Lower Upper
 114 100
 63 21.4 17.0 25.4
 88 16.8 13.0 19.4





#29

1,1-Dichloropropene

Concen: 5.134 ug/l

RT: 7.75 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

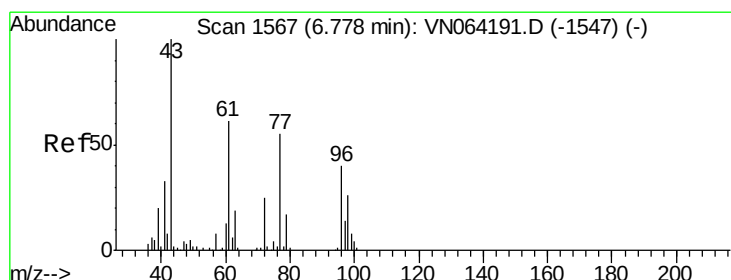
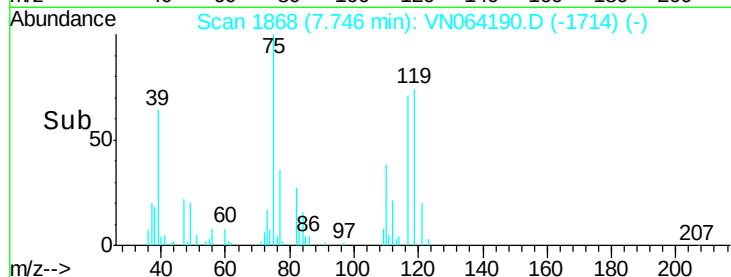
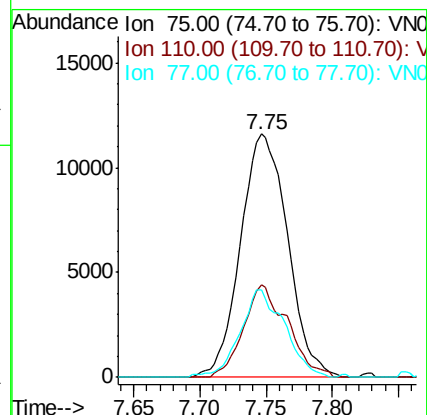
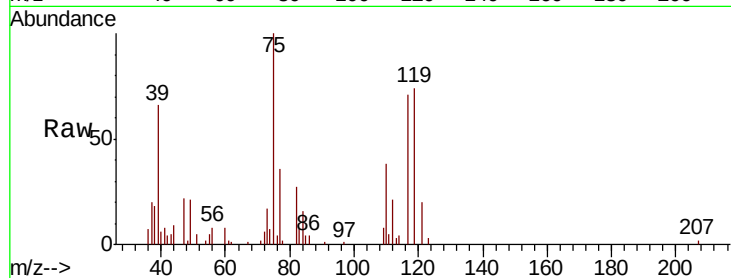
Tot Ion: 75 Resp: 28792

Ion Ratio Lower Upper

75 100

110 25.2 0.0 66.8

77 33.7 0.0 63.6



#30

2-Butanone

Concen: 22.808 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

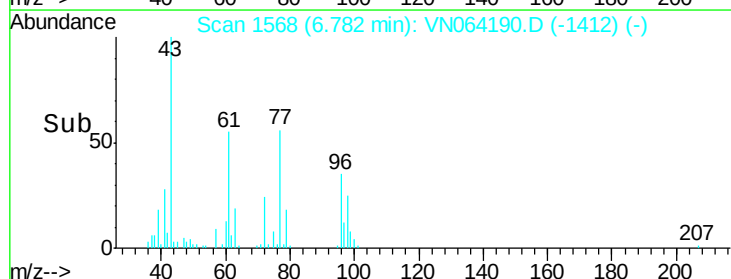
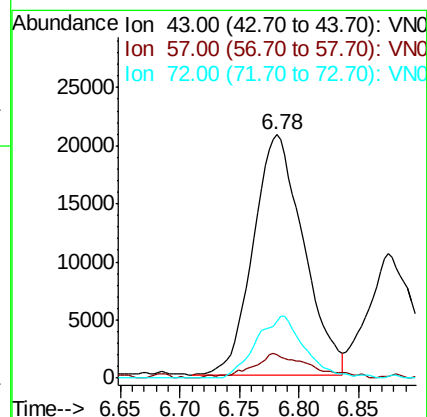
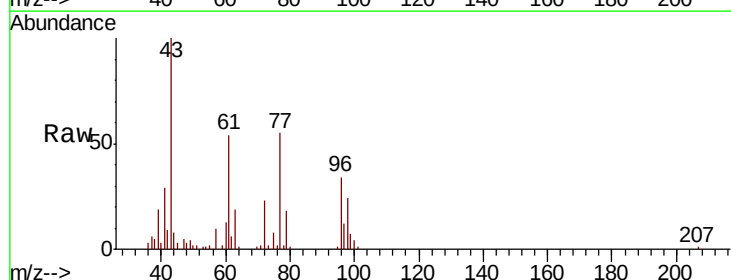
Tgt Ion: 43 Resp: 60615

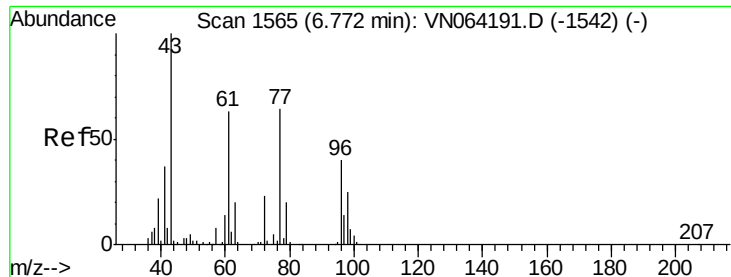
Ion Ratio Lower Upper

43 100

57 8.1 5.8 8.6

72 24.2 19.8 29.8

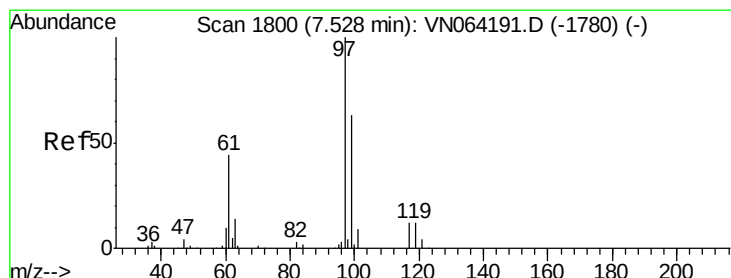
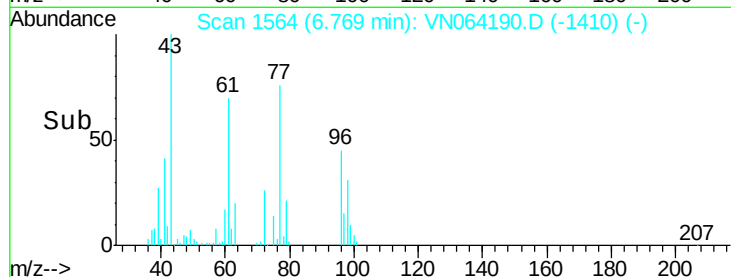
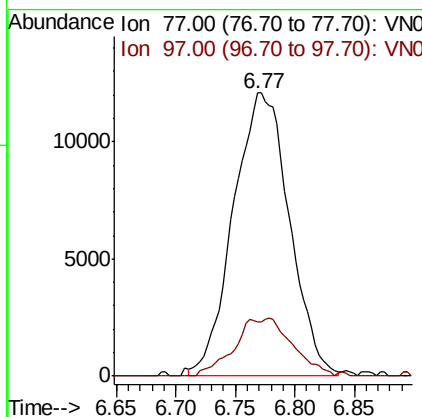
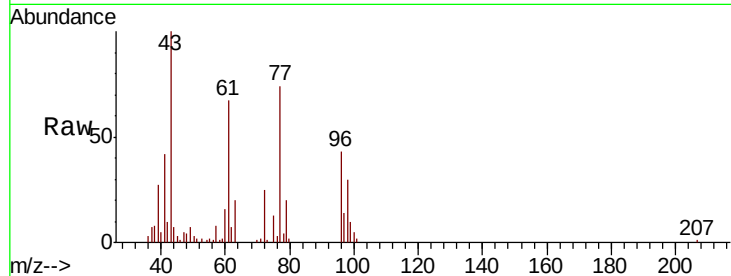




#31
 2,2-Dichloropropane
 Concen: 5.836 ug/l
 RT: 6.77 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

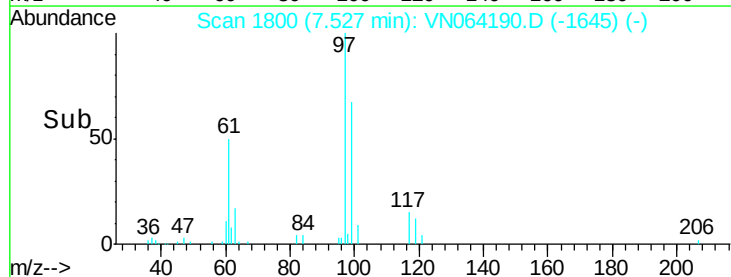
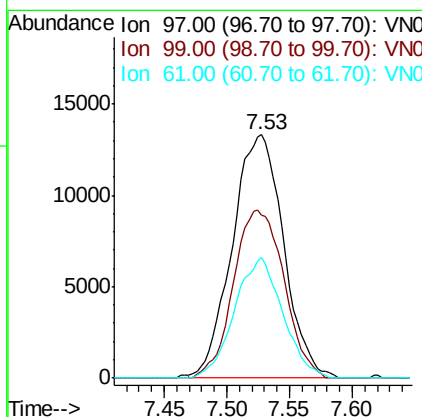
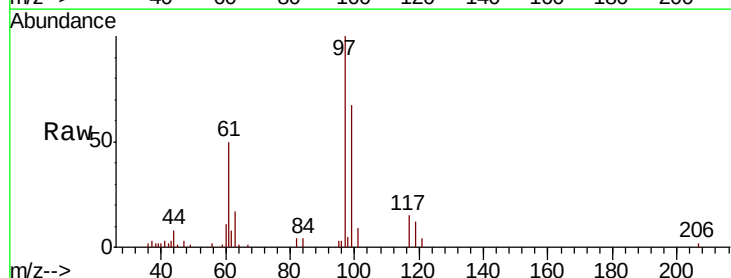
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

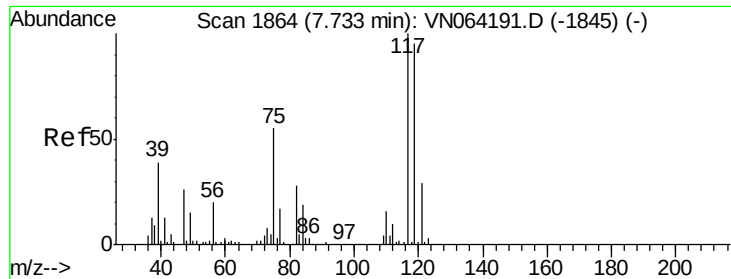
Tot Ion: 77 Resp: 39408
 Ion Ratio Lower Upper
 77 100
 97 9.2 17.3 25.9#



#32
 1,1,1-Trichloroethane
 Concen: 5.320 ug/l
 RT: 7.53 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Tgt Ion: 97 Resp: 37818
 Ion Ratio Lower Upper
 97 100
 99 68.0 51.3 76.9
 61 46.7 34.8 52.2

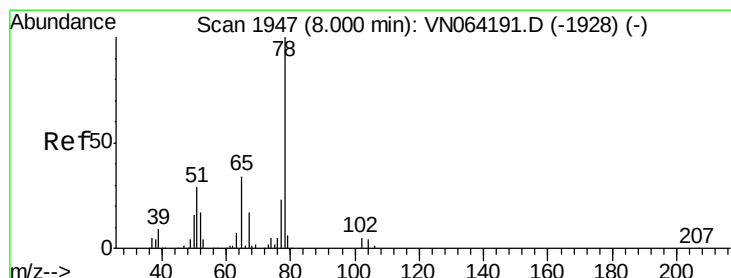
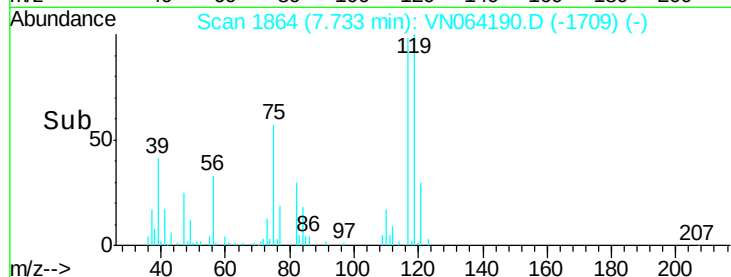
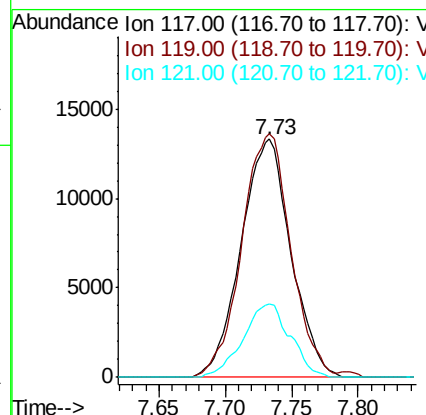
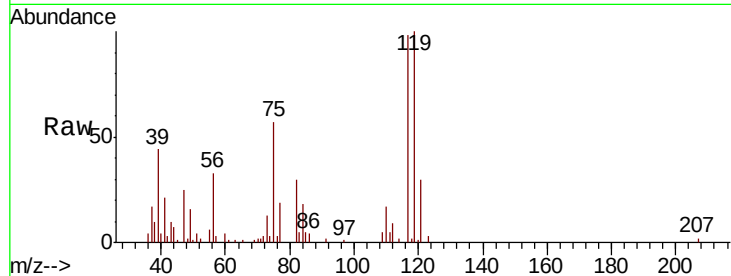




#33
Carbon Tetrachloride
Concen: 5.534 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

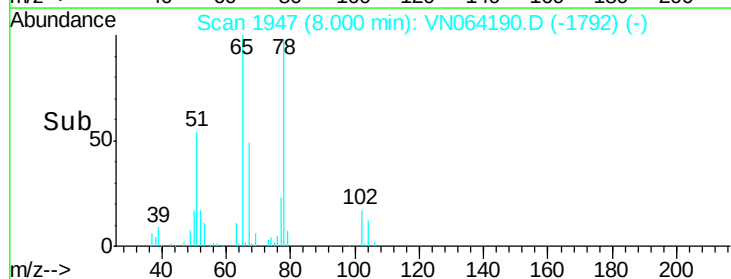
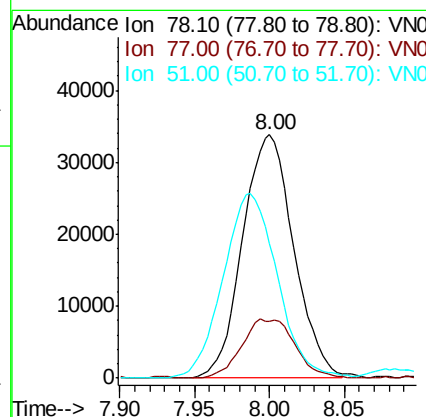
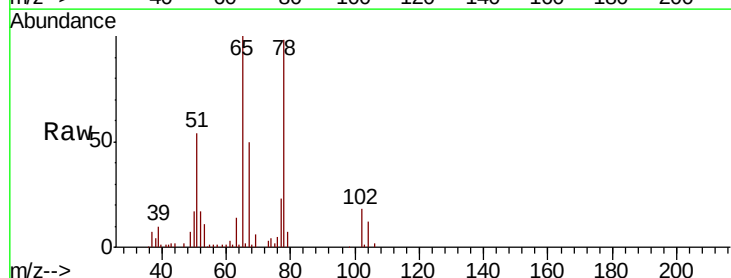
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

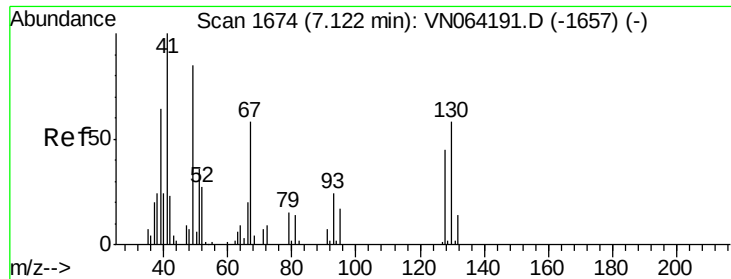
Tot Ion:117 Resp: 34823
Ion Ratio Lower Upper
117 100
119 102.2 76.0 114.0
121 30.6 23.0 34.6



#34
Benzene
Concen: 5.102 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tgt Ion: 78 Resp: 80544
Ion Ratio Lower Upper
78 100
77 23.1 18.4 27.6
51 54.1 23.0 34.6#

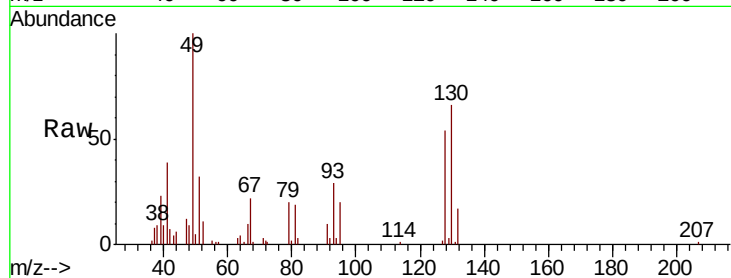




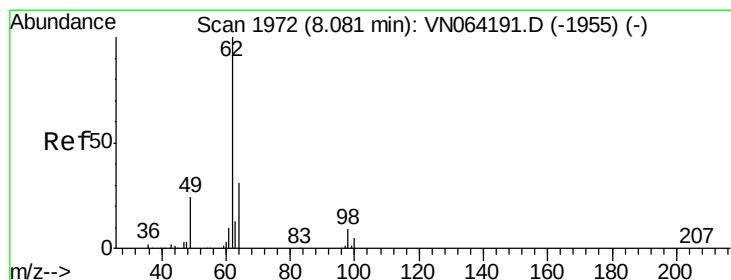
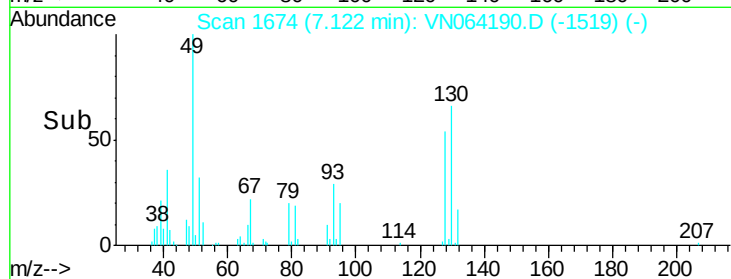
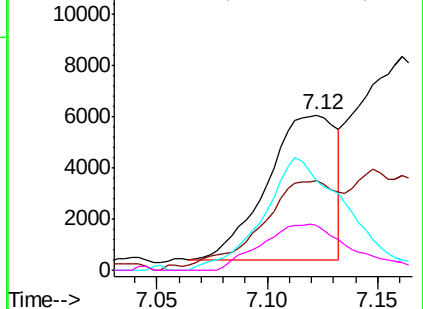
#35
Methacrylonitrile
Concen: 4.667 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:	41	Resp:	12186
Ion	Ratio	Lower	Upper
41	100		
39	58.9	32.1	96.3
67	61.8	28.9	86.8
52	31.3	13.4	40.2

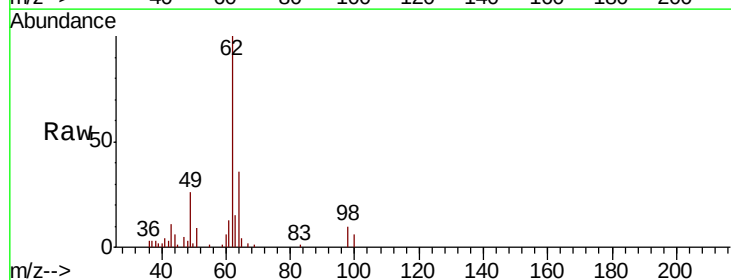


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

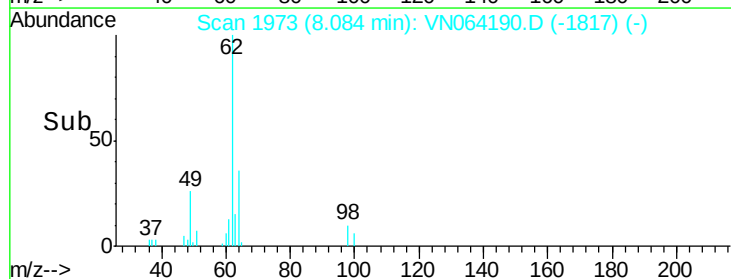
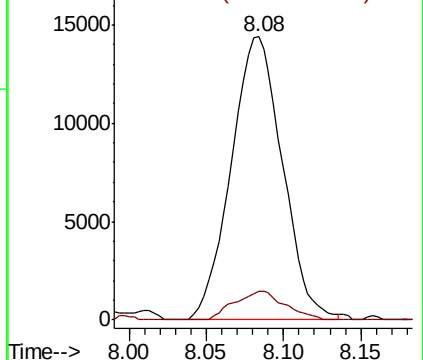


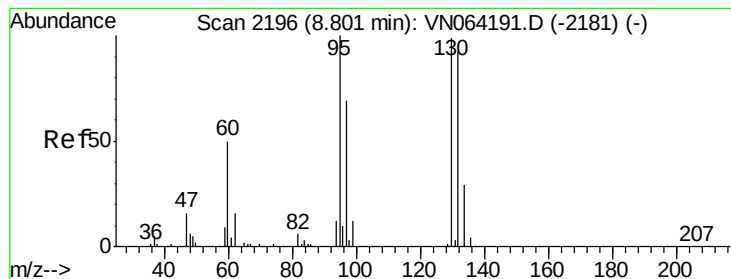
#36
1,2-Dichloroethane
Concen: 4.838 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tgt Ion:	62	Resp:	33191
Ion	Ratio	Lower	Upper
62	100		
98	10.0	6.3	9.5#



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0





#37

Trichloroethene

Concen: 5.440 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampled :

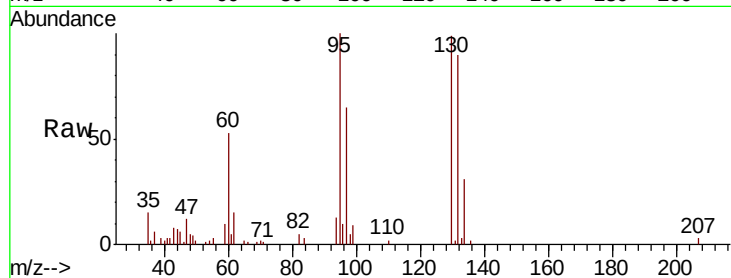
VSTDIC005

Tot Ion:130 Resp: 22853

Ion Ratio Lower Upper

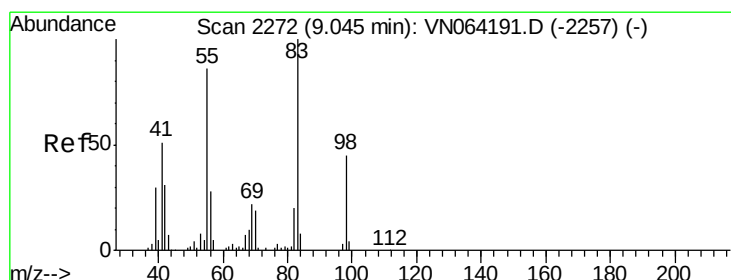
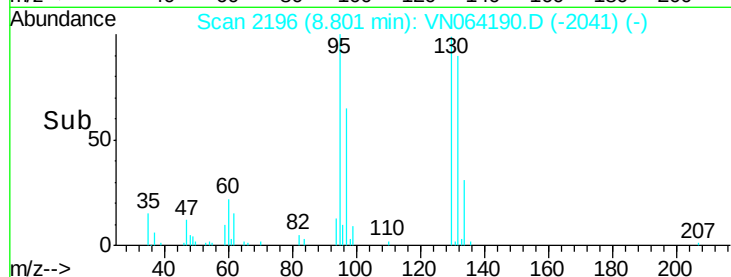
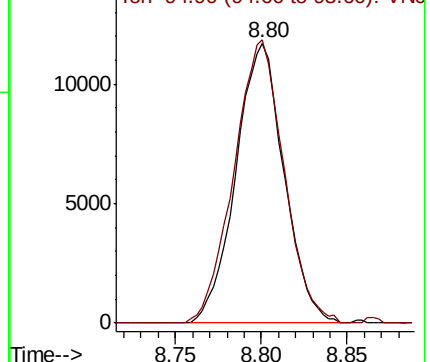
130 100

95 101.2 81.0 121.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 6.102 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

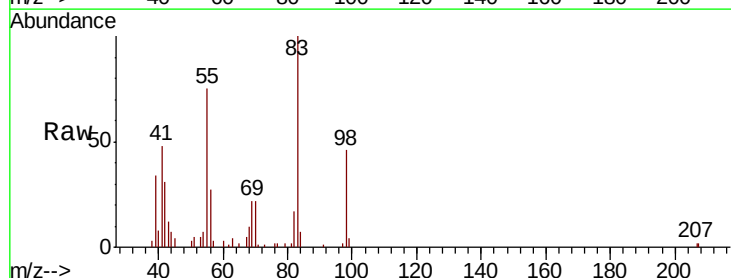
Tgt Ion: 83 Resp: 29526

Ion Ratio Lower Upper

83 100

55 75.8 40.3 120.9

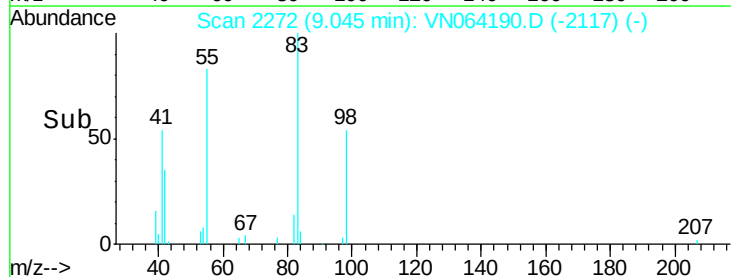
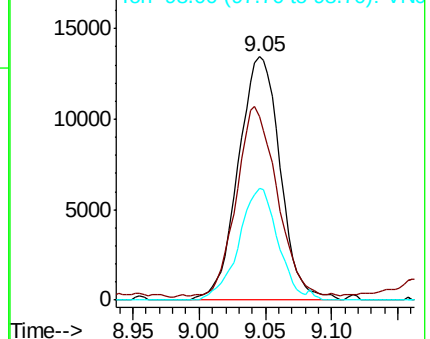
98 42.7 22.4 67.0

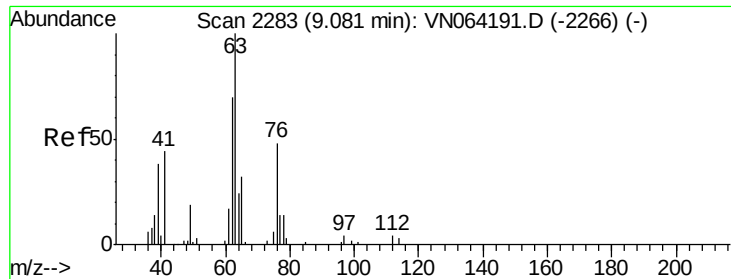


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

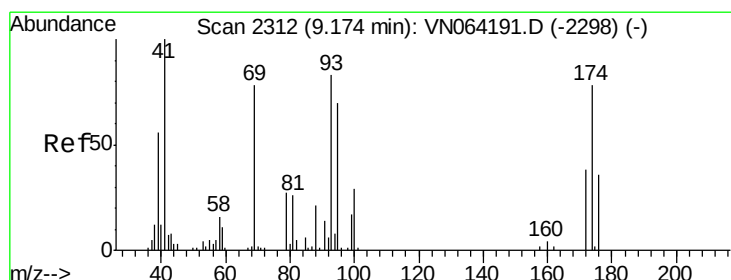
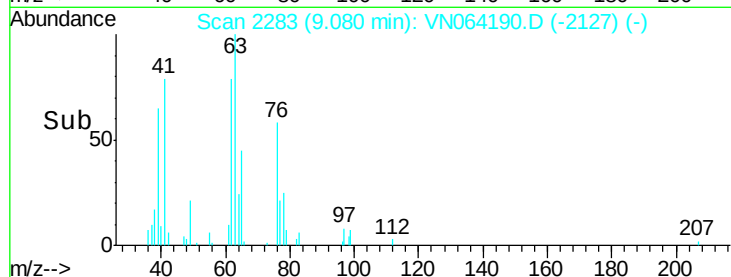
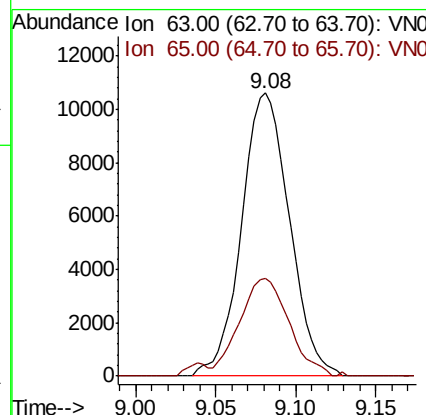
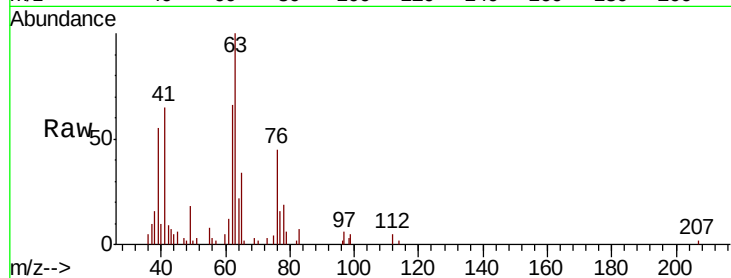




#39
 1,2-Dichloropropane
 Concen: 5.098 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

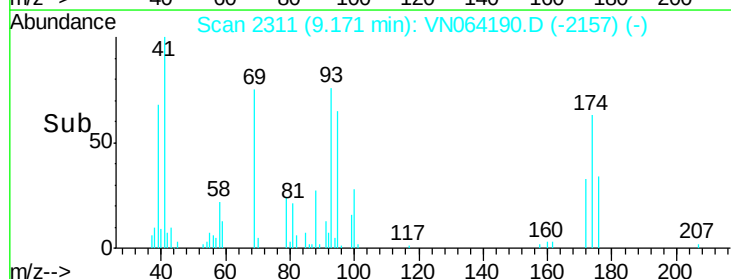
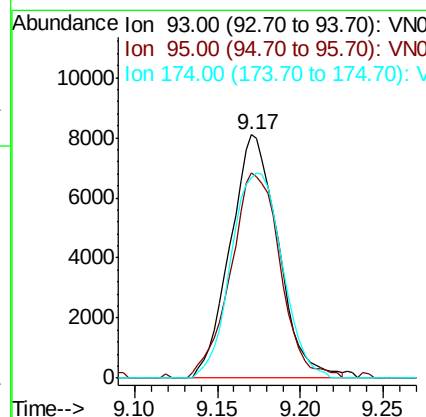
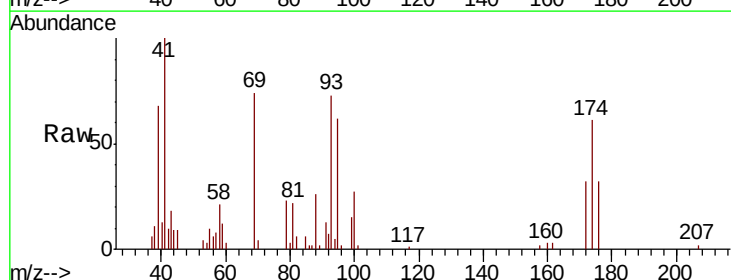
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

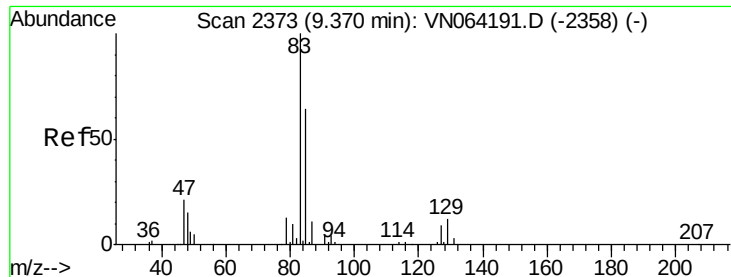
Tot Ion: 63 Resp: 21764
 Ion Ratio Lower Upper
 63 100
 65 33.0 26.5 39.7



#40
 Dibromomethane
 Concen: 5.501 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Tgt Ion: 93 Resp: 16338
 Ion Ratio Lower Upper
 93 100
 95 87.1 0.0 169.2
 174 89.6 0.0 187.4

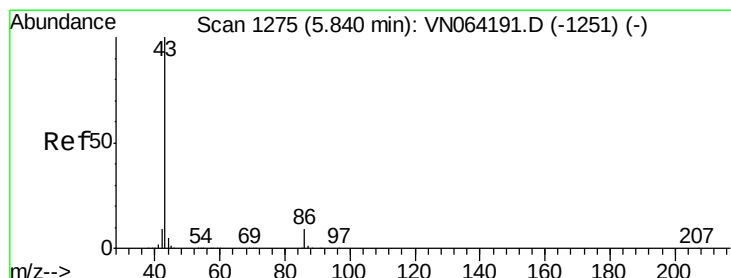
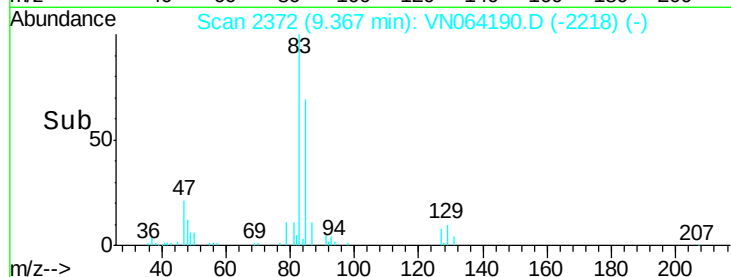
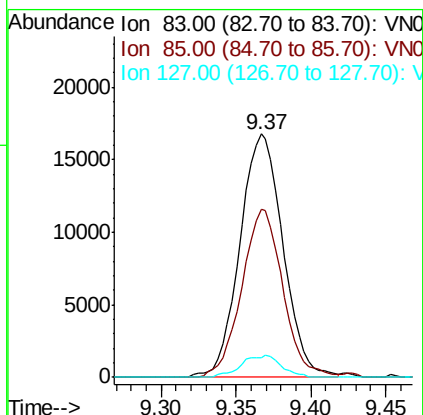
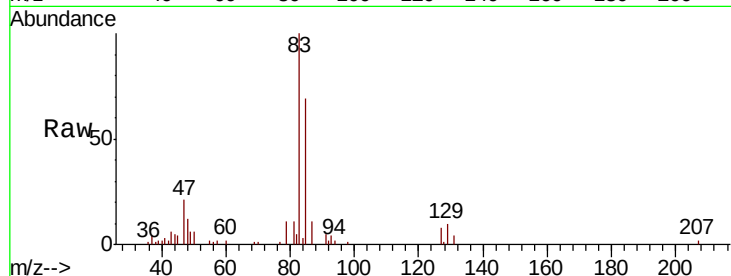




#41
 Bromodichloromethane
 Concen: 5.366 ug/l
 RT: 9.37 min Scan# 2372
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

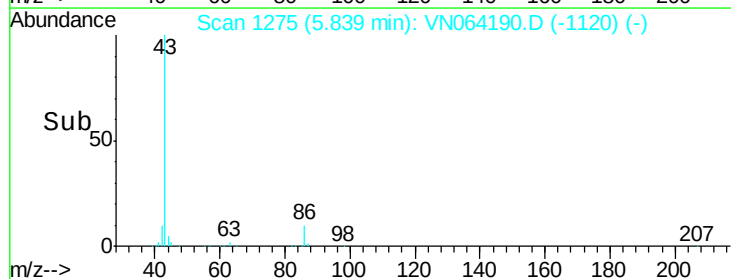
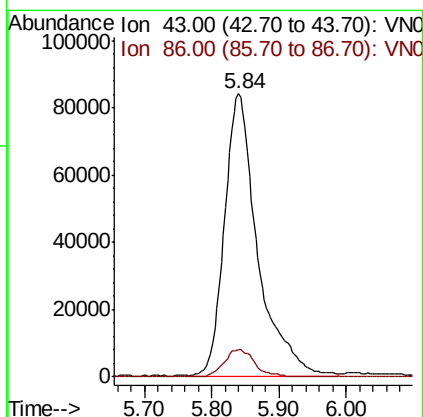
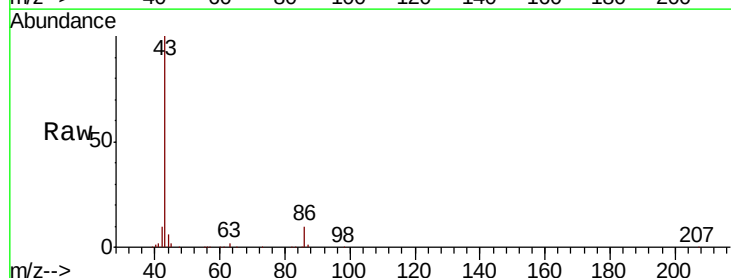
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

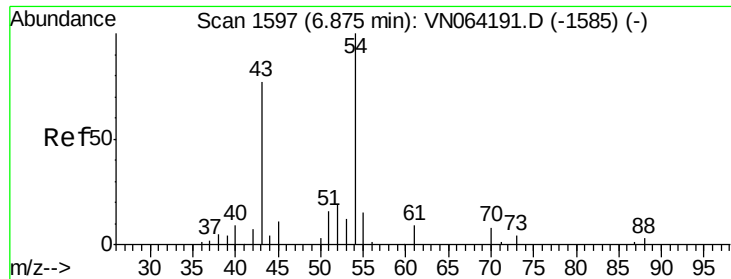
Tot Ion: 83 Resp: 33626
 Ion Ratio Lower Upper
 83 100
 85 69.0 51.5 77.3
 127 9.4 6.8 10.2



#42
 Vinyl Acetate
 Concen: 25.387 ug/l
 RT: 5.84 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Tgt Ion: 43 Resp: 286964
 Ion Ratio Lower Upper
 43 100
 86 8.8 6.7 10.1





#43

Ethyl Acetate

Concen: 4.633 ug/l

RT: 6.87 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

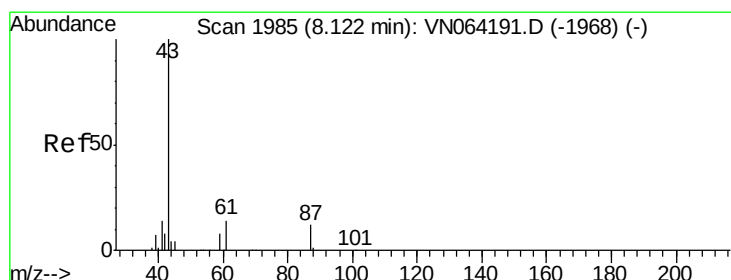
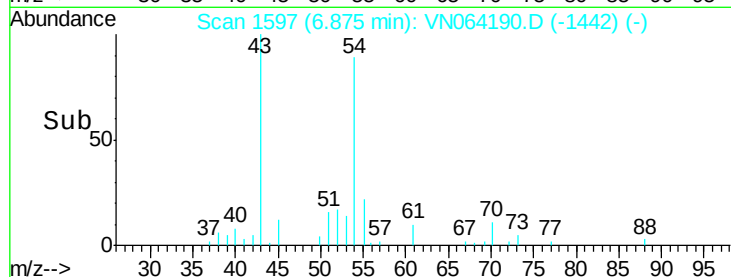
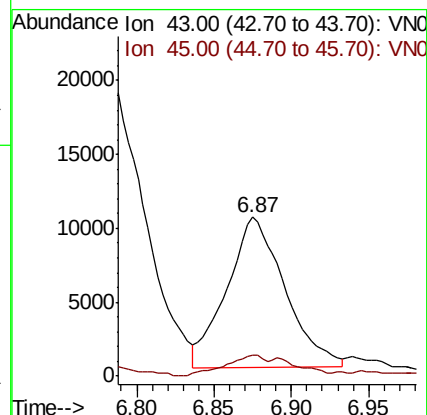
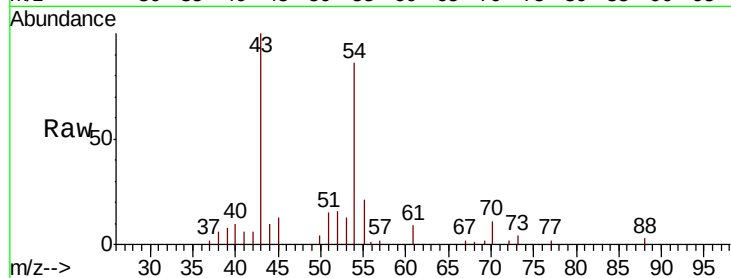
VSTDIC005

Tot Ion: 43 Resp: 26675

Ion Ratio Lower Upper

43 100

45 9.6 9.8 14.8#



#44

Isopropyl Acetate

Concen: 5.429 ug/l

RT: 8.12 min Scan# 1984

Delta R.T. -0.00 min

Lab File: VN064190.D

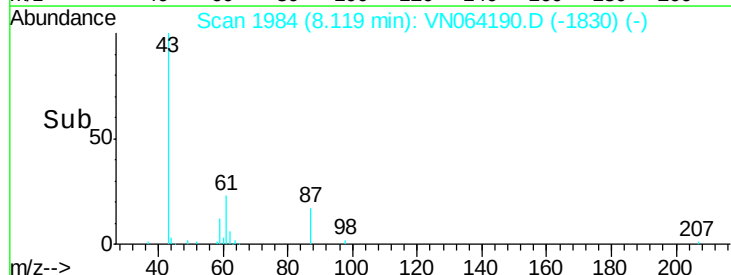
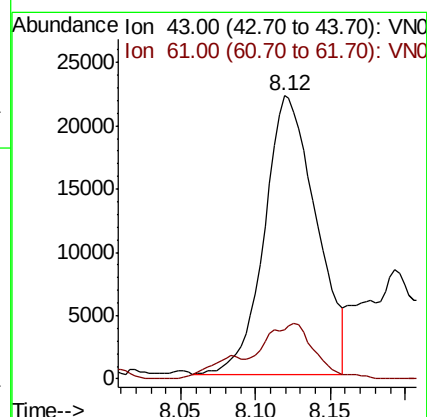
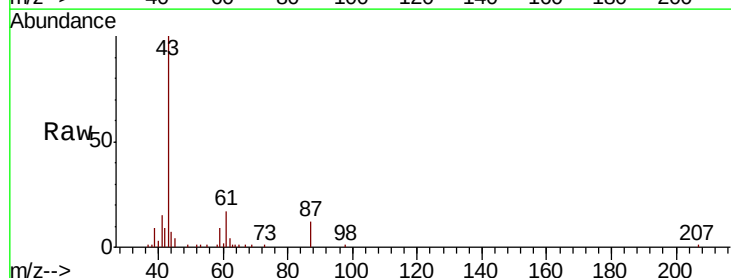
Acq: 20 Oct 2020 9:49

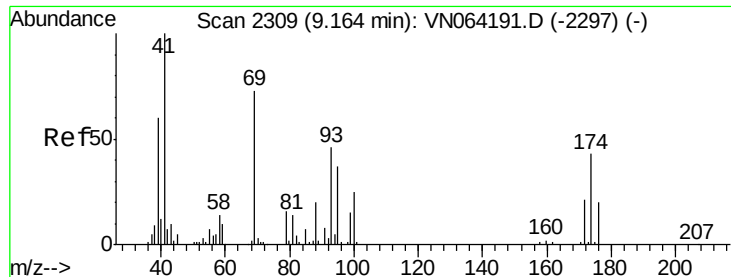
Tgt Ion: 43 Resp: 52750

Ion Ratio Lower Upper

43 100

61 16.9 18.7 28.1#

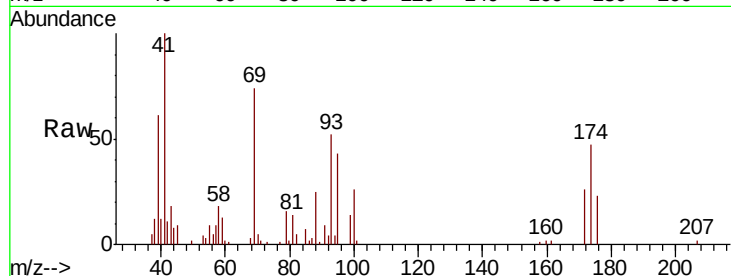




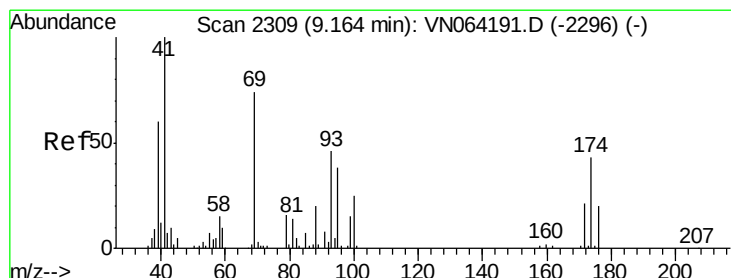
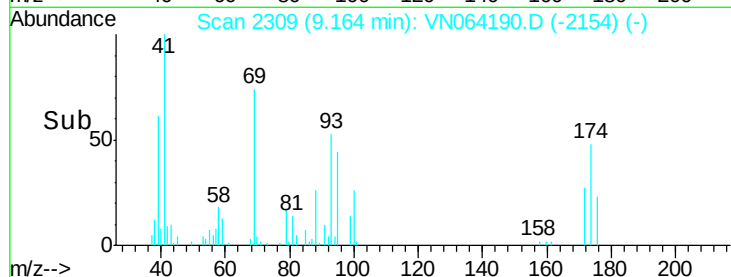
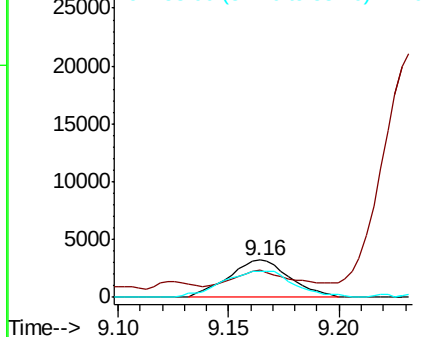
#45
 1,4-Dioxane
 Concen: 102.964 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 88 Resp: 6259
 Ion Ratio Lower Upper
 88 100
 43 48.8 37.0 55.4
 58 81.9 62.4 93.6

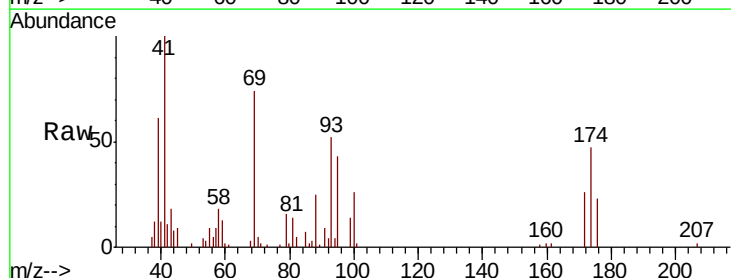


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

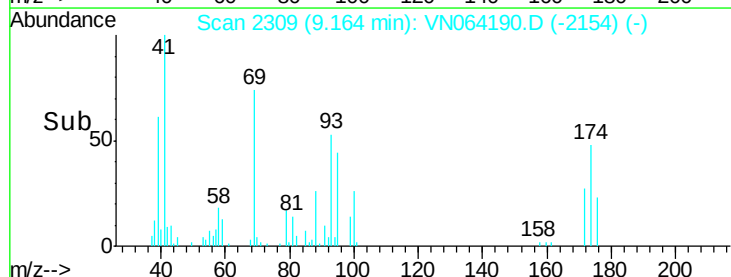
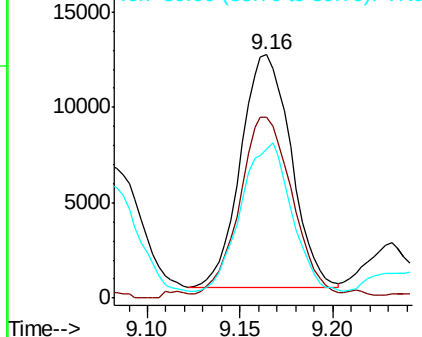


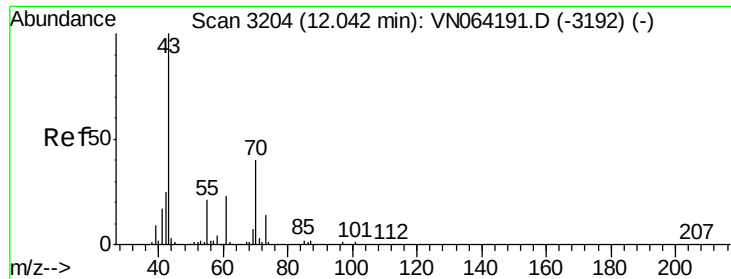
#46
 Methyl methacrylate
 Concen: 4.826 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Tgt Ion: 41 Resp: 23135
 Ion Ratio Lower Upper
 41 100
 69 75.9 36.8 110.4
 39 61.3 30.4 91.2



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





#47

n-amvl Acetate

Concen: 5.340 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

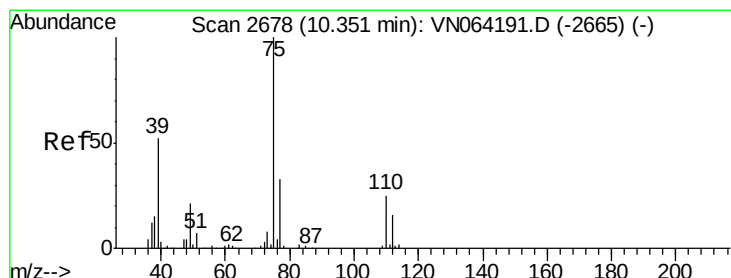
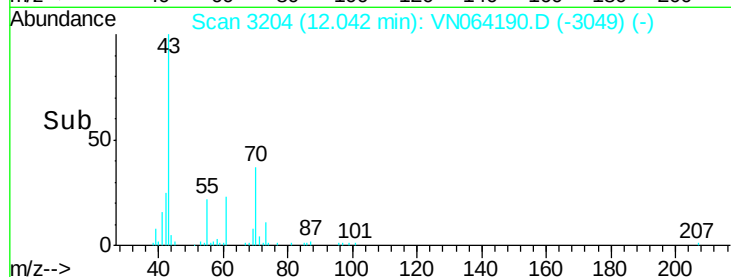
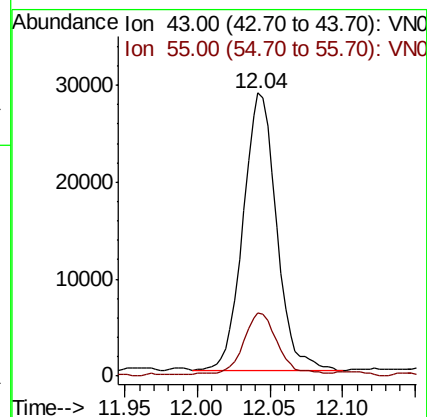
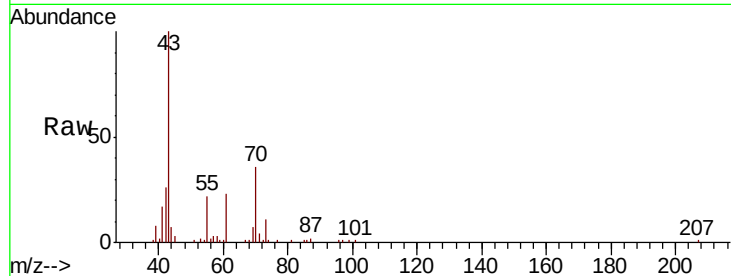
VSTDIC005

Tot Ion: 43 Resp: 46226

Ion Ratio Lower Upper

43 100

55 22.6 17.6 26.4



#48

t-1,3-Dichloropropene

Concen: 5.342 ug/l

RT: 10.35 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN064190.D

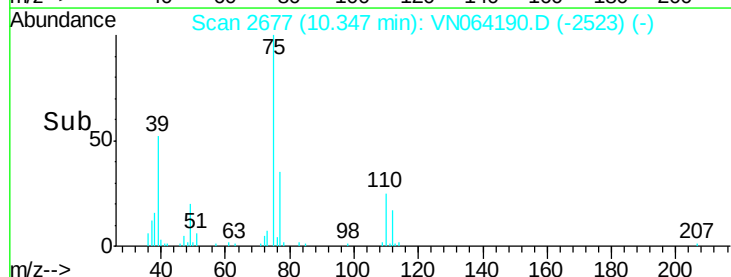
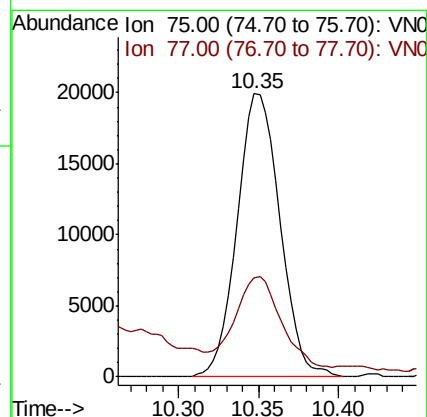
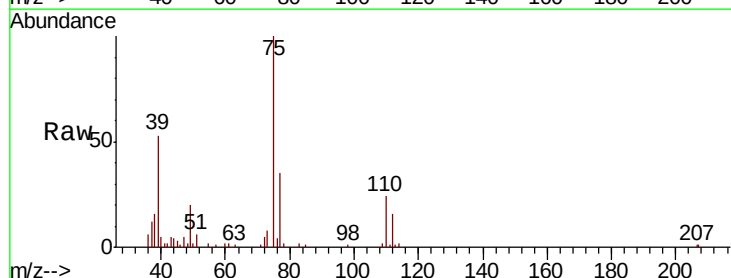
Acq: 20 Oct 2020 9:49

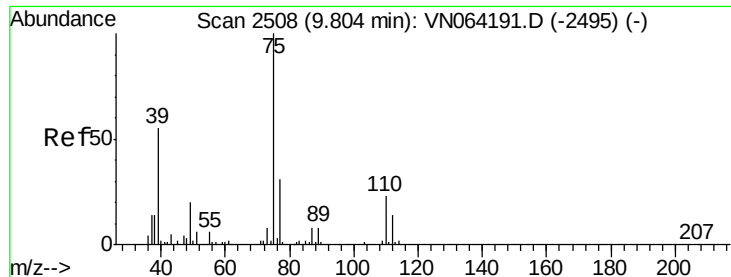
Tgt Ion: 75 Resp: 36420

Ion Ratio Lower Upper

75 100

77 31.2 27.4 41.2





#49

cis-1,3-Dichloropropene

Concen: 5.475 ug/l

RT: 9.80 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

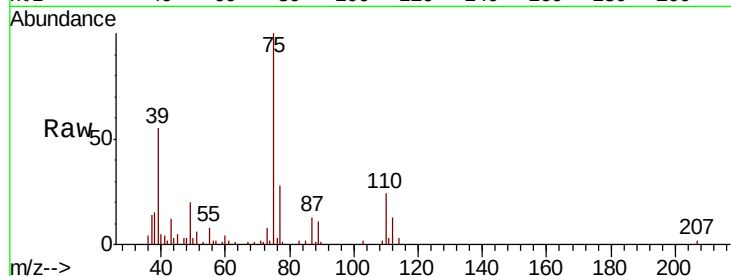
Tot Ion: 75 Resp: 38788

Ion Ratio Lower Upper

75 100

77 28.0 24.5 36.7

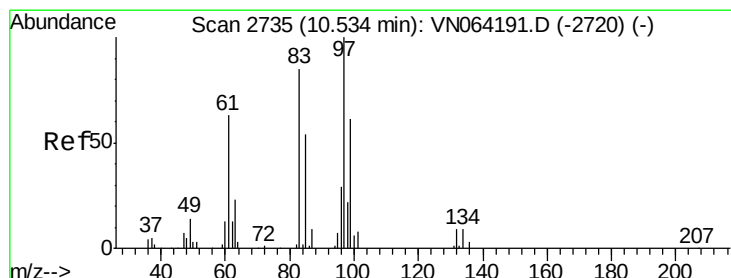
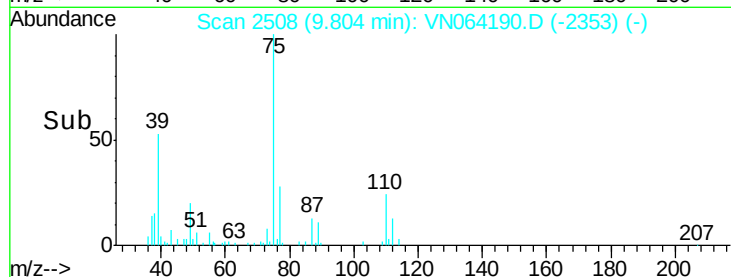
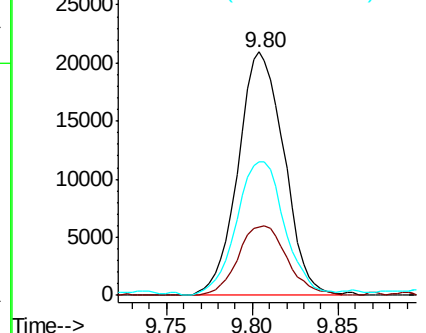
39 54.8 43.8 65.8



Abundance Ion 75.00 (74.70 to 75.70): VN064190.D (-2495) (-)

Ion 77.00 (76.70 to 77.70): VN064190.D (-2495) (-)

Ion 39.00 (38.70 to 39.70): VN064190.D (-2495) (-)



#50

1,1,2-Trichloroethane

Concen: 5.156 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Tgt Ion: 97 Resp: 20681

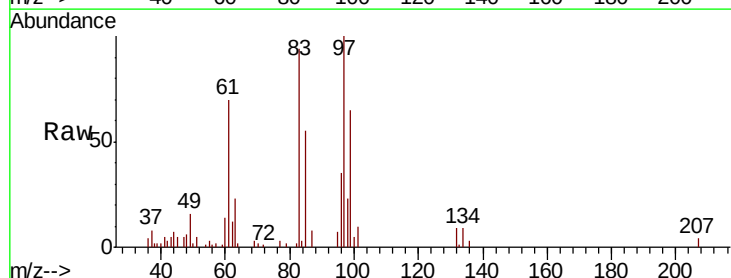
Ion Ratio Lower Upper

97 100

83 93.7 67.7 101.5

85 55.3 43.2 64.8

99 64.5 49.2 73.8

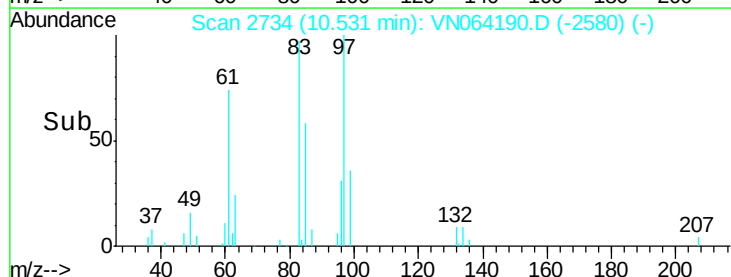
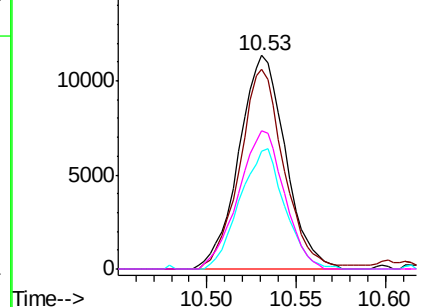


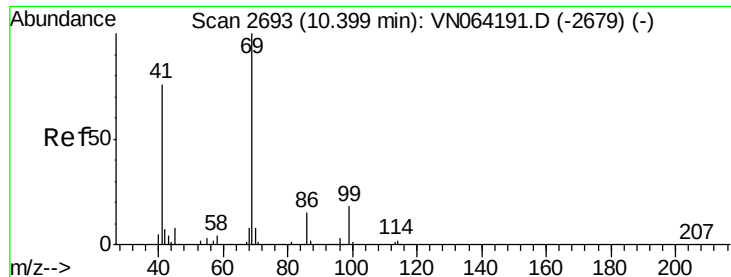
Abundance Ion 97.00 (96.70 to 97.70): VN064190.D (-2720) (-)

Ion 82.95 (82.65 to 83.65): VN064190.D (-2720) (-)

Ion 84.95 (84.65 to 85.65): VN064190.D (-2720) (-)

Ion 98.95 (98.65 to 99.65): VN064190.D (-2720) (-)





#51

Ethyl methacrylate

Concen: 5.605 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

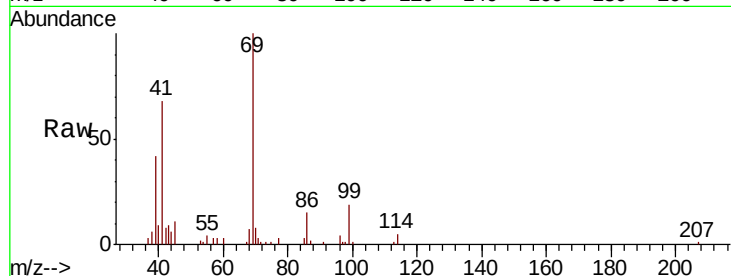
Tot Ion: 69 Resp: 33122

Ion Ratio Lower Upper

69 100

41 66.0 38.0 114.1

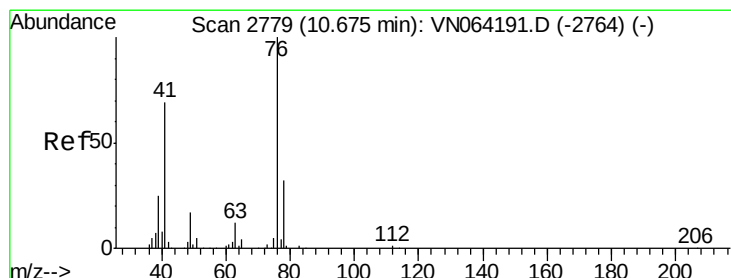
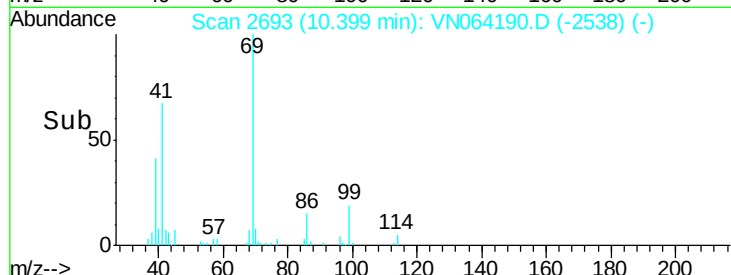
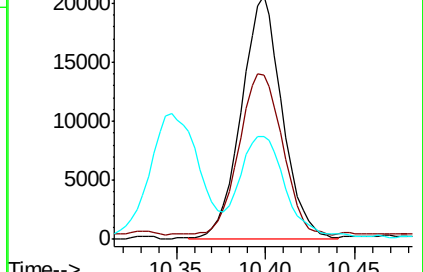
39 40.3 21.4 64.3



Abundance Ion 69.00 (68.70 to 69.70): VN064190.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN064190.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN064190.D (-2679) (-)



#52

1,3-Dichloropropane

Concen: 5.237 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064190.D

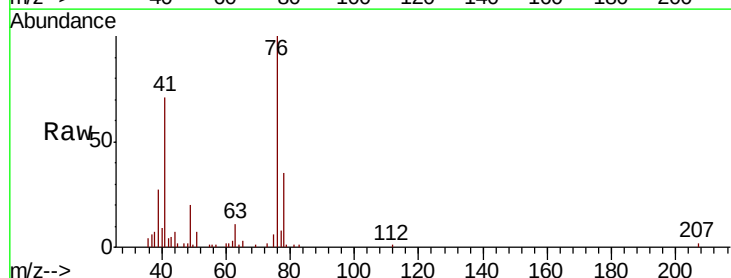
Acq: 20 Oct 2020 9:49

Tgt Ion: 76 Resp: 35982

Ion Ratio Lower Upper

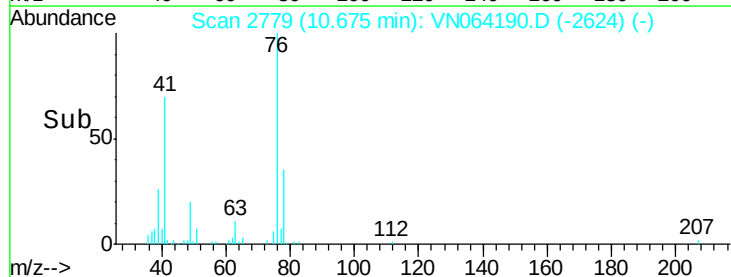
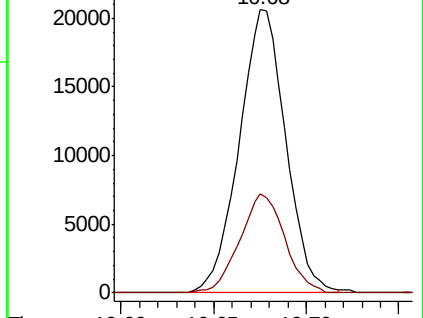
76 100

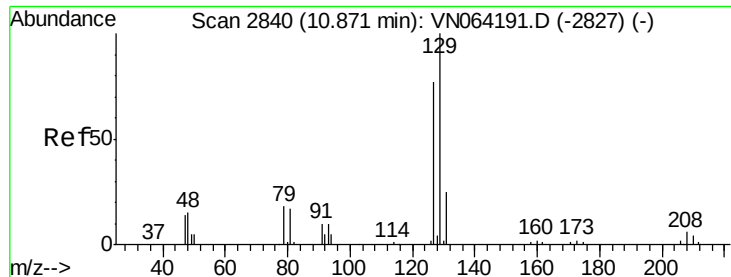
78 33.8 0.0 64.4



Abundance Ion 76.00 (75.70 to 76.70): VN064190.D (-2764) (-)

Ion 78.00 (77.70 to 78.70): VN064190.D (-2764) (-)

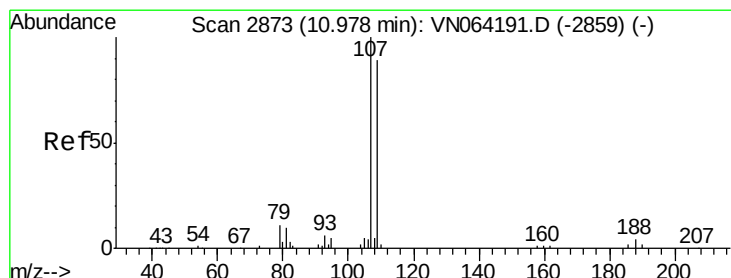
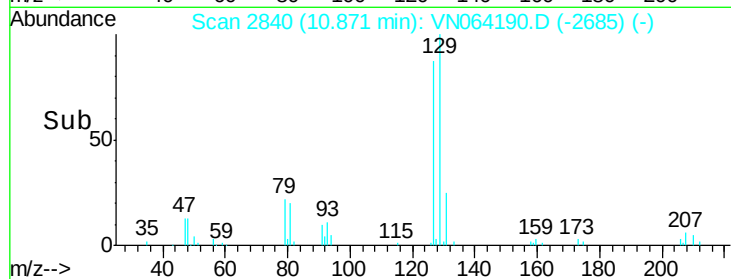
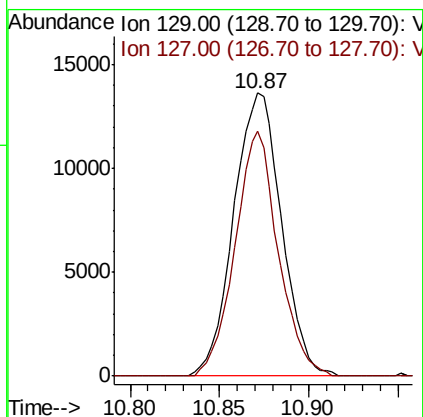
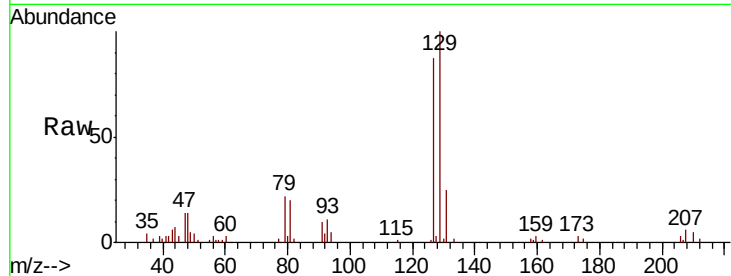




#53
 Dibromochloromethane
 Concen: 5.469 ug/l
 RT: 10.87 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

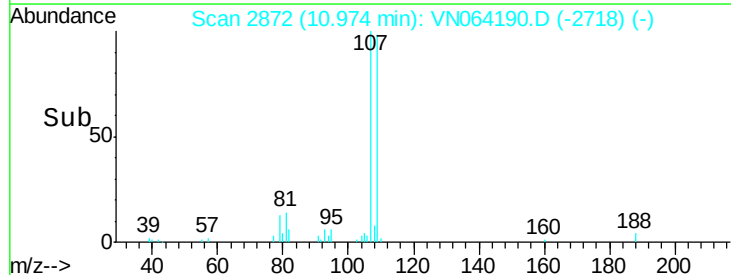
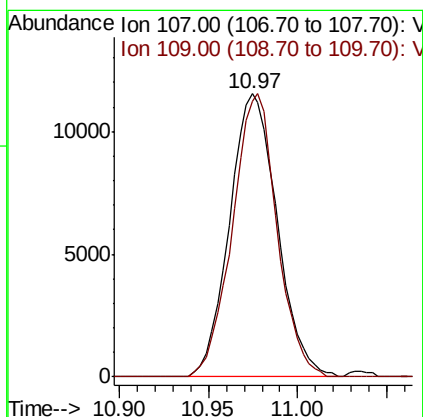
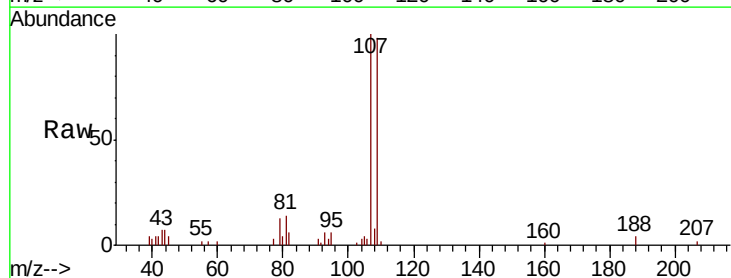
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

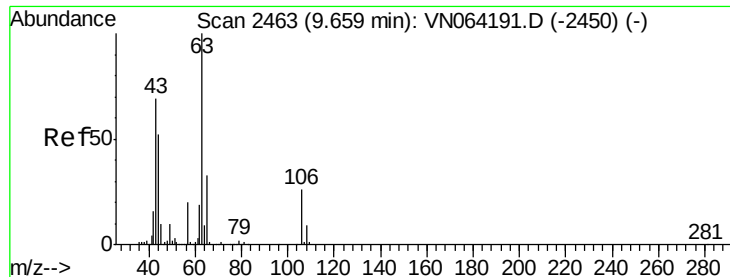
Tot Ion:129 Resp: 25492
 Ion Ratio Lower Upper
 129 100
 127 78.2 39.0 117.0



#54
 1,2-Dibromoethane
 Concen: 5.111 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Tgt Ion:107 Resp: 21458
 Ion Ratio Lower Upper
 107 100
 109 93.5 71.8 107.8





#55

2-Chloroethyl vinyl ether

Concen: 21.044 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

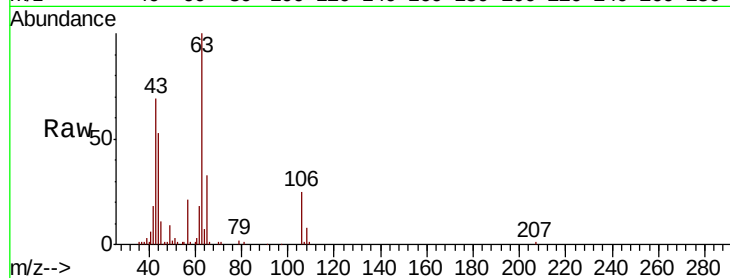
Tot Ion: 63 Resp: 66755

Ion Ratio Lower Upper

63 100

65 31.7 25.9 38.9

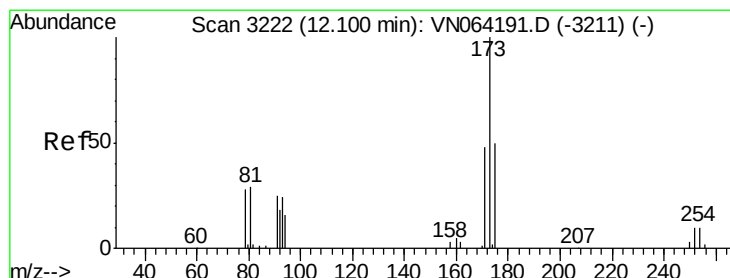
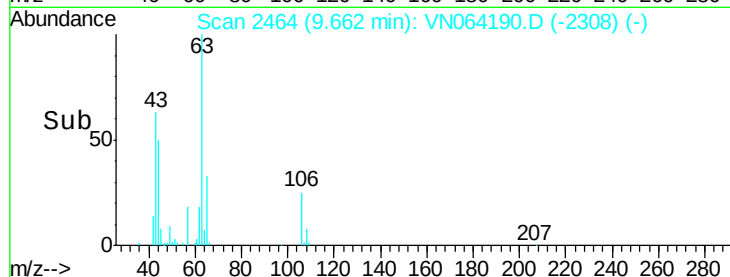
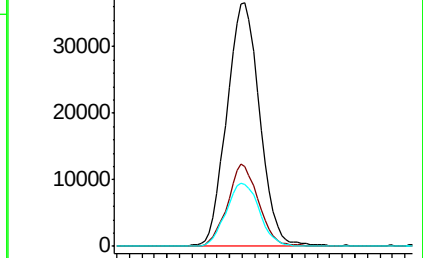
106 25.9 21.4 32.2



Abundance Ion 63.00 (62.70 to 63.70): VN064190.D (-2308) (-)

Ion 65.00 (64.70 to 65.70): VN064190.D (-2308) (-)

Ion 106.00 (105.70 to 106.70): VN064190.D (-2308) (-)



#56

Bromoform

Concen: 5.147 ug/l

RT: 12.10 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

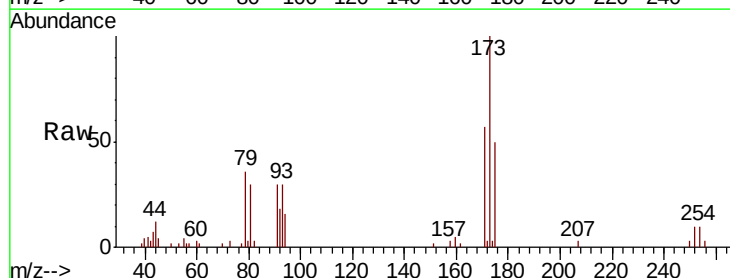
Tgt Ion: 173 Resp: 16805

Ion Ratio Lower Upper

173 100

175 48.5 39.0 58.4

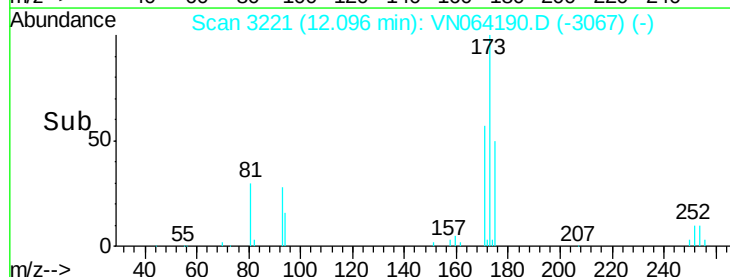
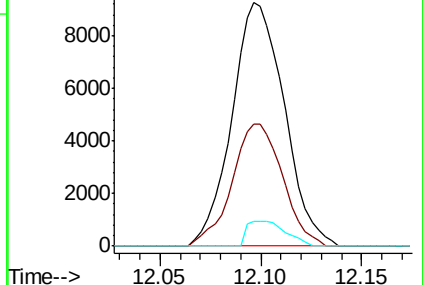
254 0.0 6.8 10.2#

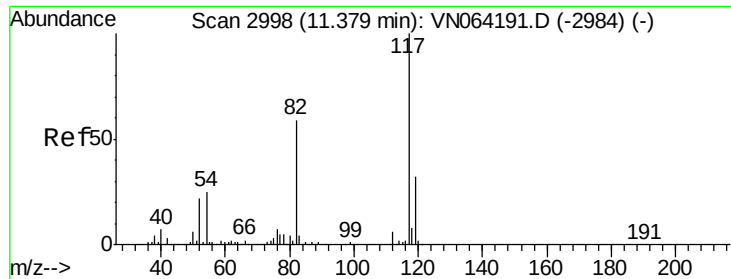


Abundance Ion 173.00 (172.70 to 173.70): VN064190.D (-3067) (-)

Ion 175.00 (174.70 to 175.70): VN064190.D (-3067) (-)

Ion 254.00 (253.70 to 254.70): VN064190.D (-3067) (-)

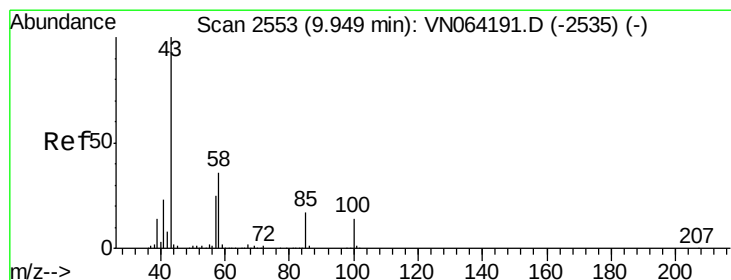
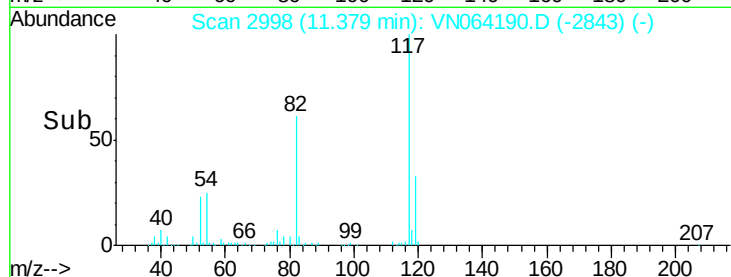
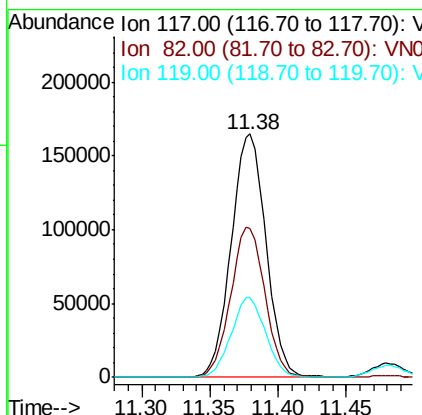
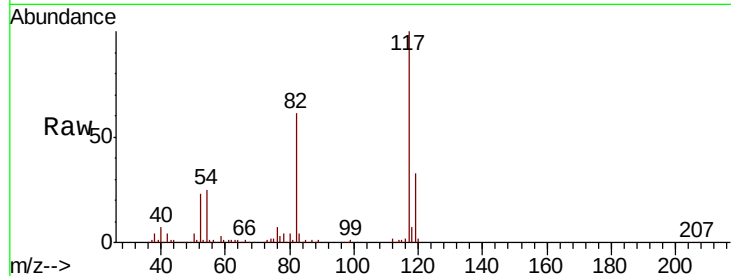




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

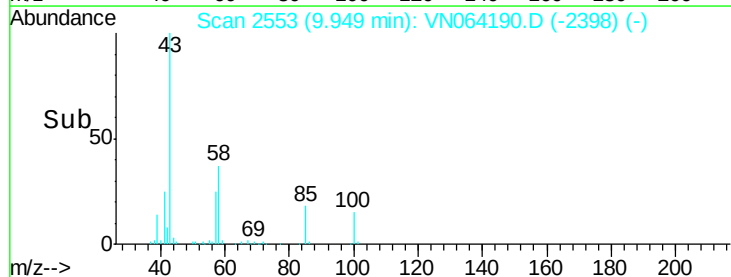
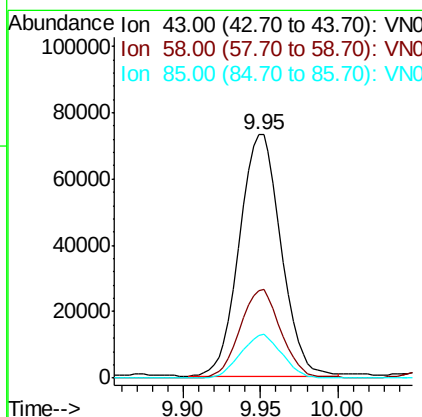
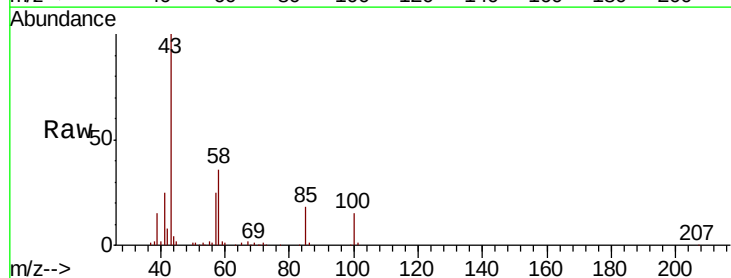
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

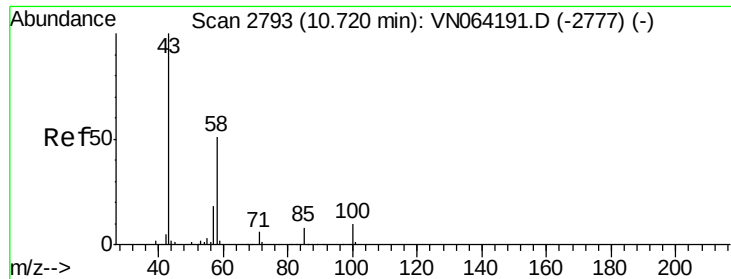
Tot Ion	Ratio	Lower	Upper
117	100		
82	60.8	47.8	71.8
119	32.4	25.7	38.5



#58
4-Methyl-2-Pentanone
Concen: 25.748 ug/l
RT: 9.95 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.0	29.5	44.3
85	17.9	13.7	20.5

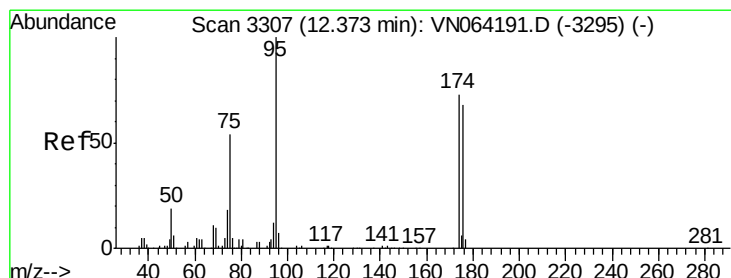
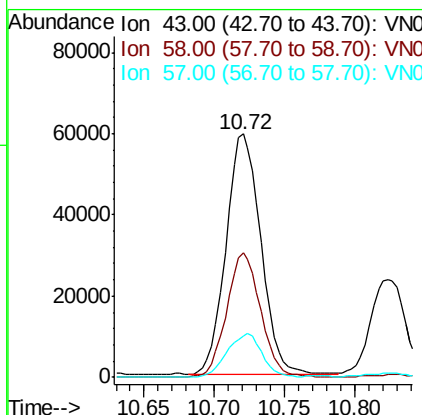
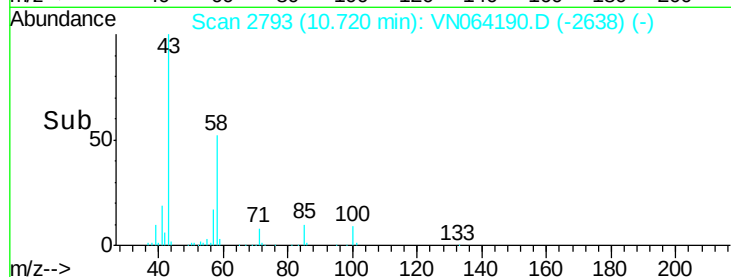
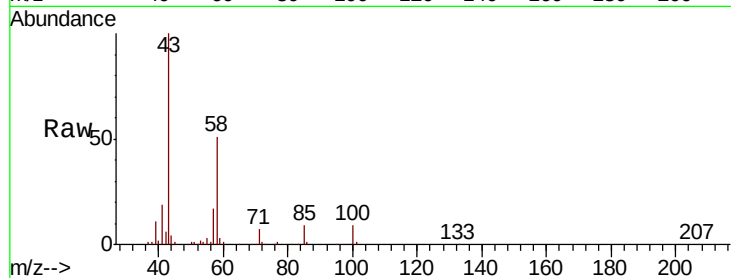




#59
2-Hexanone
Concen: 25.890 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

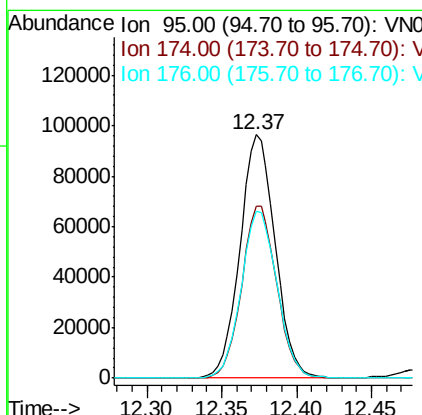
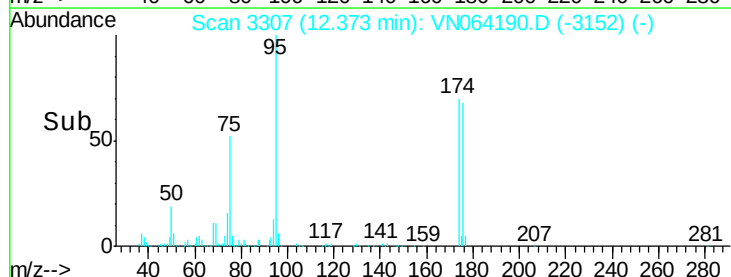
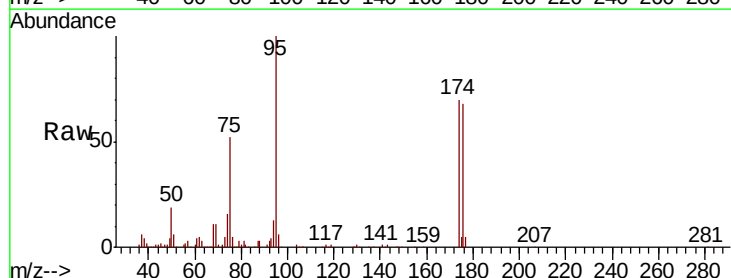
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

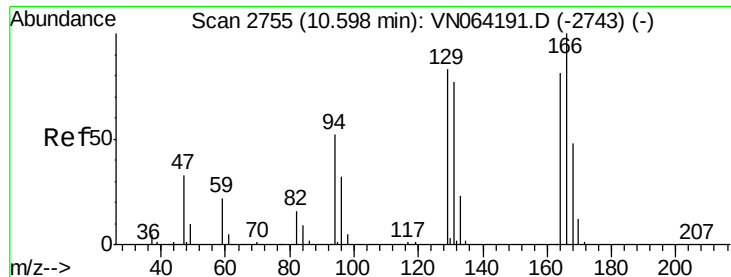
Tot Ion	Ratio	Lower	Upper
43	100		
58	50.3	40.2	60.4
57	18.1	14.8	22.2



#60
4-Bromofluorobenzene
Concen: 31.031 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.1	57.6	86.4
176	69.8	54.9	82.3

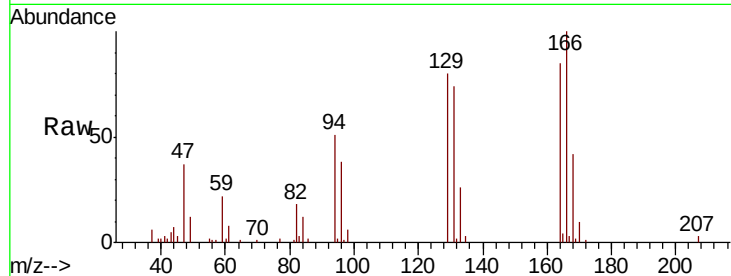




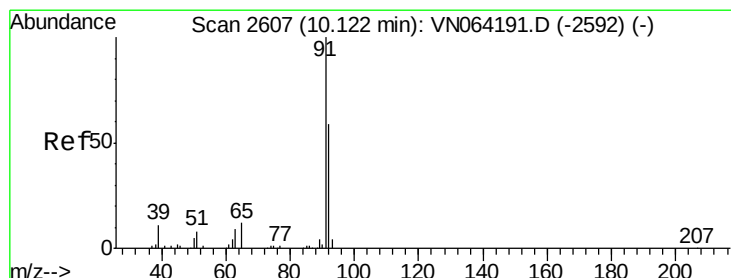
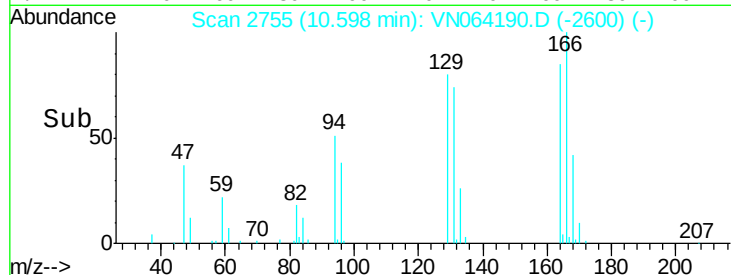
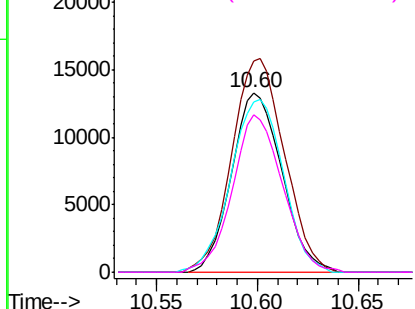
#61
Tetrachloroethene
Concen: 6.461 ug/l
RT: 10.60 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:164 Resp: 23183
Ion Ratio Lower Upper
164 100
166 117.8 99.2 148.8
129 94.5 82.8 124.2
131 86.1 76.2 114.4

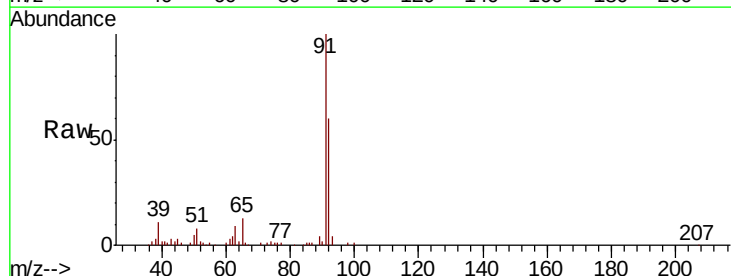


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

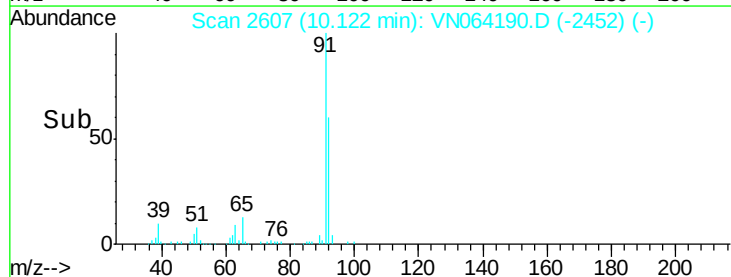
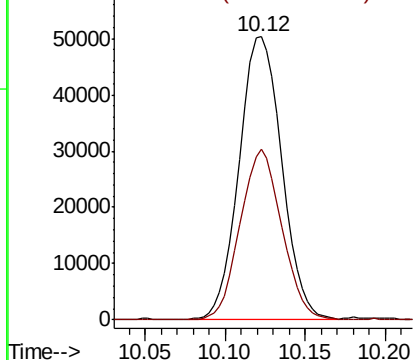


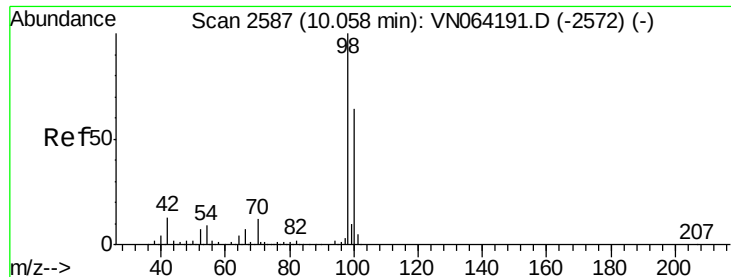
#62
Toluene
Concen: 5.677 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tgt Ion: 91 Resp: 91938
Ion Ratio Lower Upper
91 100
92 58.5 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: 30.650 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

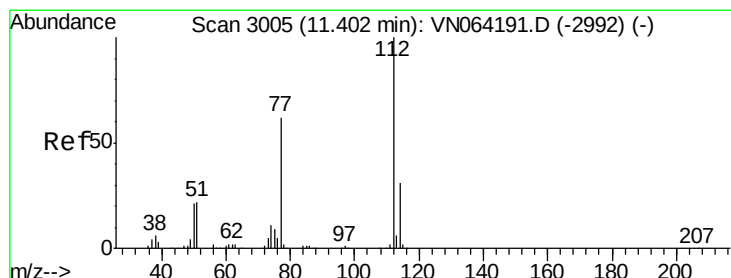
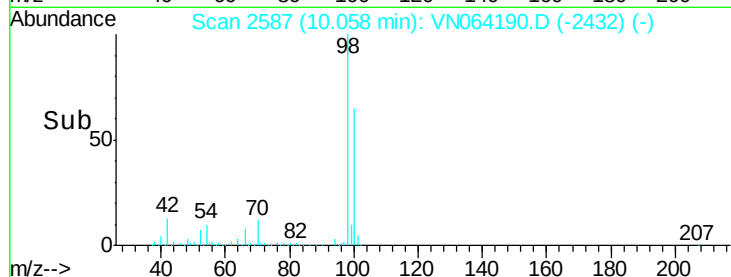
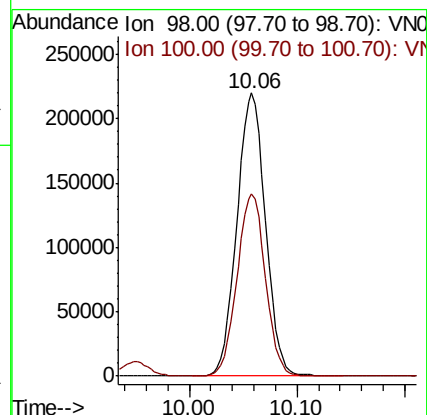
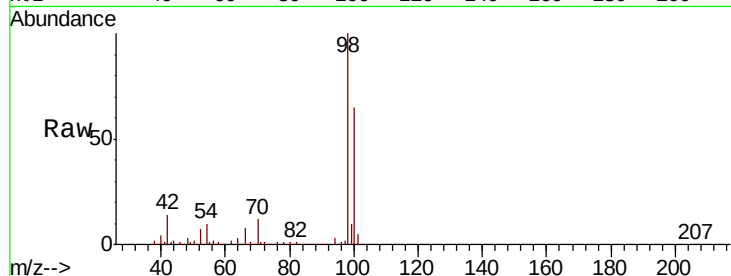
VSTDIC005

Tot Ion: 98 Resp: 406492

Ion Ratio Lower Upper

98 100

100 63.7 51.4 77.2



#64

Chlorobenzene

Concen: 5.774 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064190.D

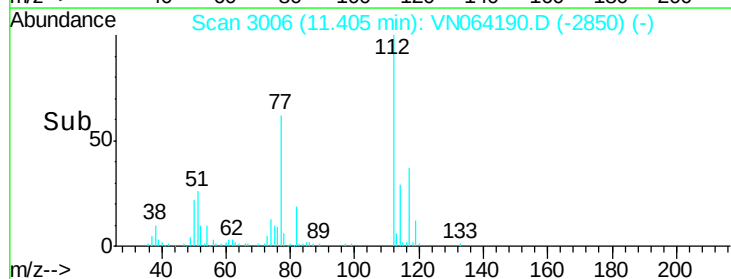
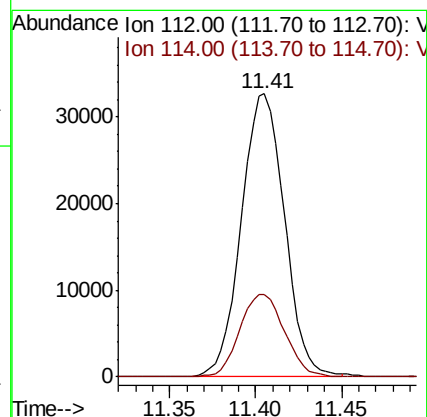
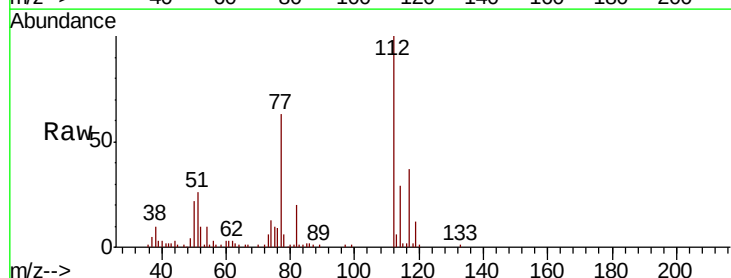
Acq: 20 Oct 2020 9:49

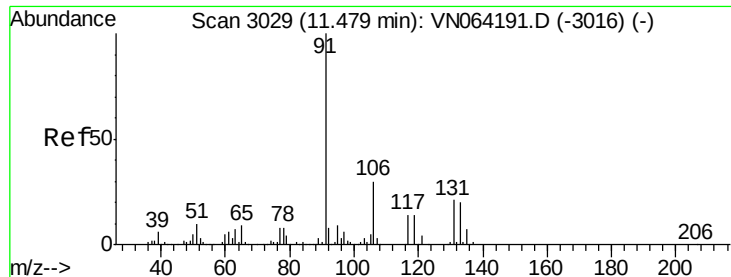
Tgt Ion: 112 Resp: 57076

Ion Ratio Lower Upper

112 100

114 29.3 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 5.827 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

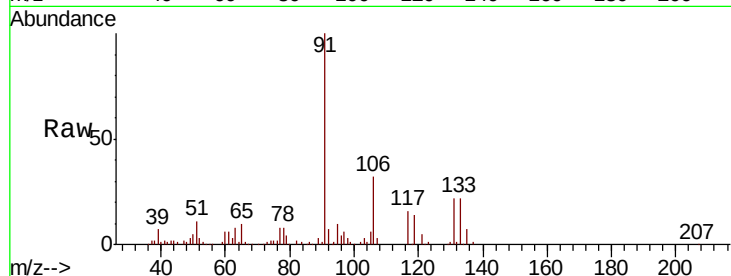
Tot Ion:131 Resp: 22450

Ion Ratio Lower Upper

131 100

133 98.6 0.0 193.0

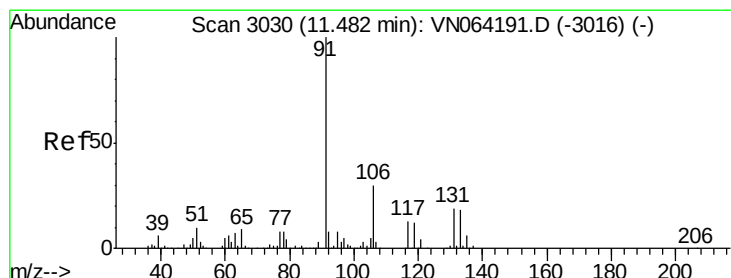
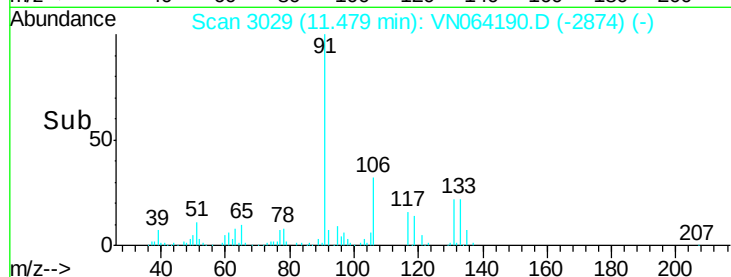
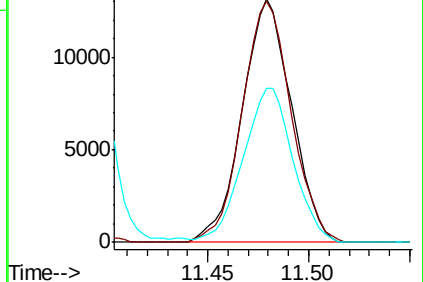
119 64.1 0.0 132.2



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: 5.805 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN064190.D

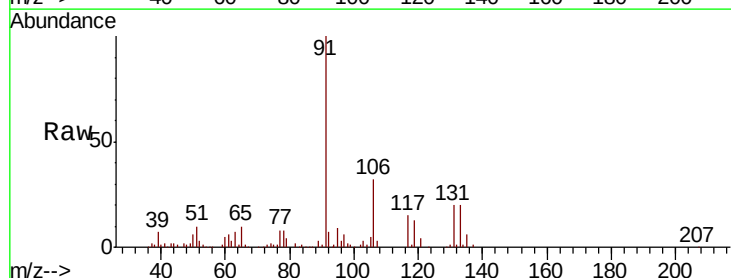
Acq: 20 Oct 2020 9:49

Tgt Ion: 91 Resp: 104637

Ion Ratio Lower Upper

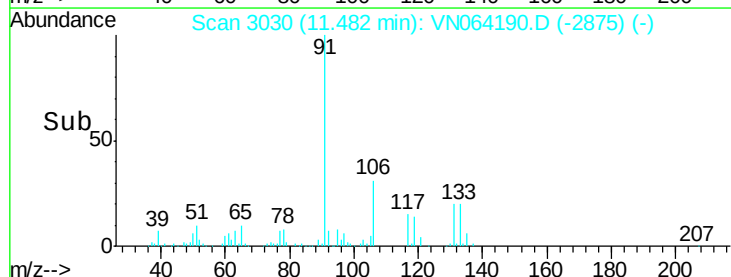
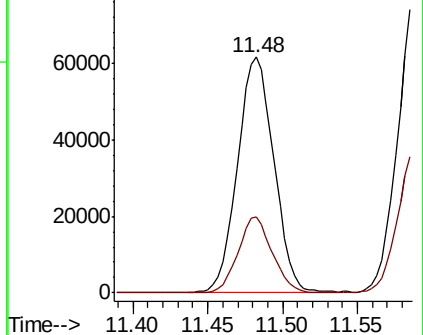
91 100

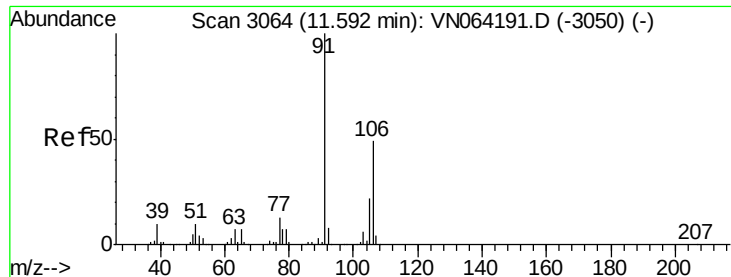
106 32.2 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

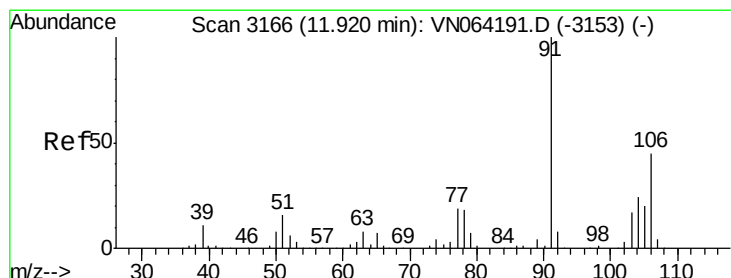
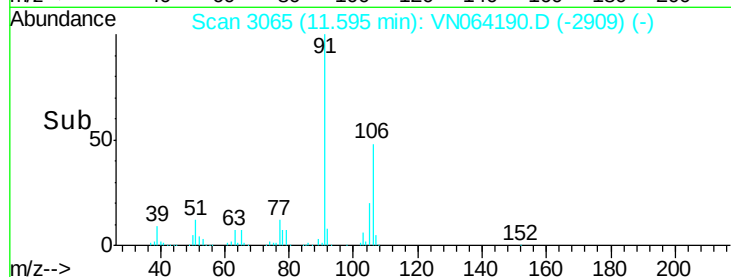
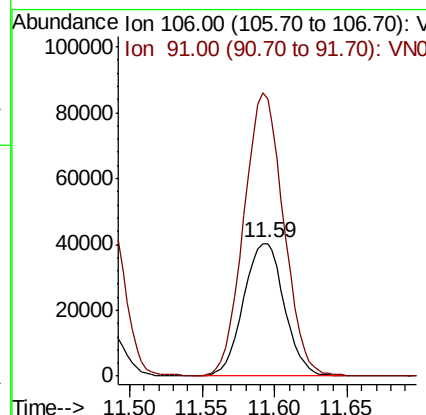
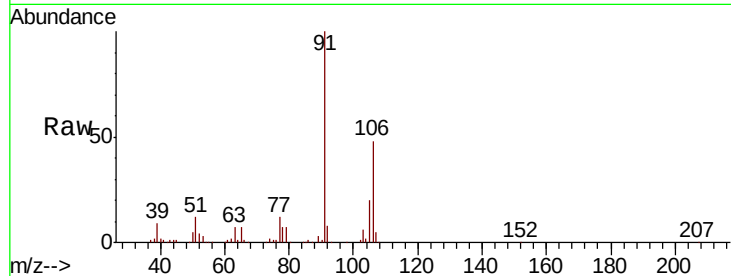




#67
m/p-Xylenes
Concen: 11.826 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

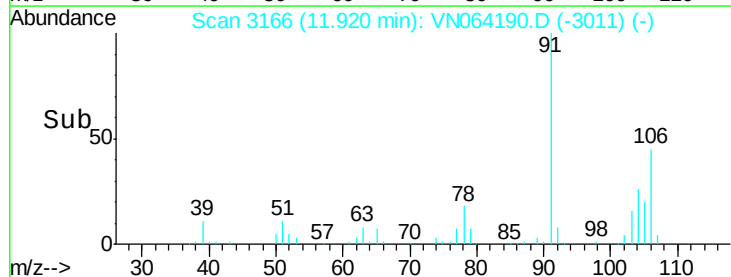
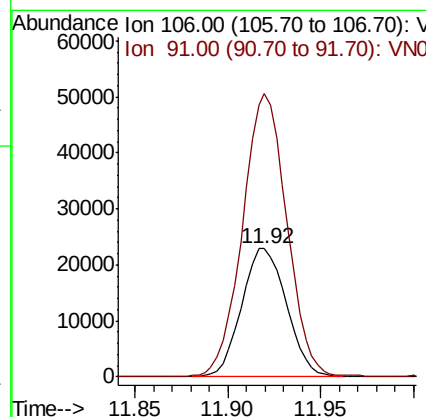
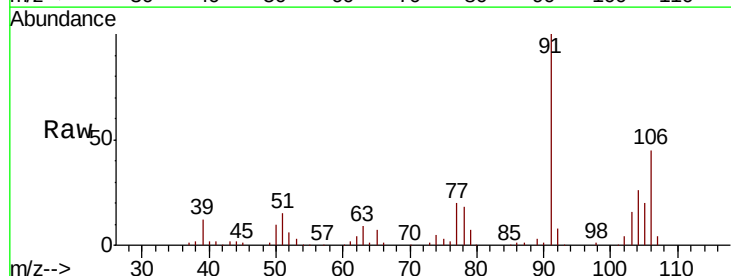
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

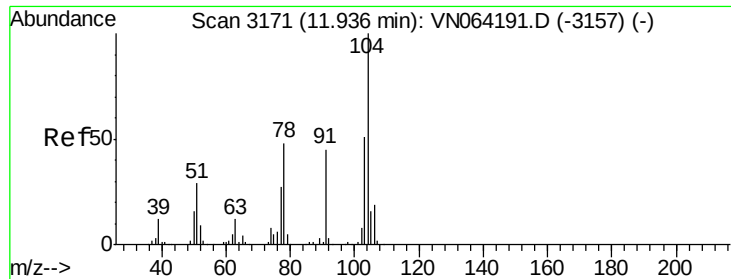
Tot Ion:106 Resp: 78818
Ion Ratio Lower Upper
106 100
91 208.8 167.9 251.9



#68
o-Xylene
Concen: 6.053 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tgt Ion:106 Resp: 38595
Ion Ratio Lower Upper
106 100
91 217.4 113.9 341.7

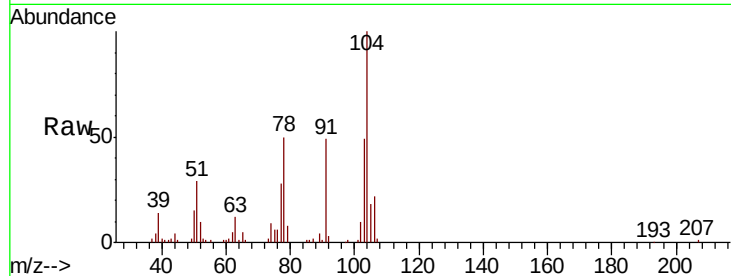




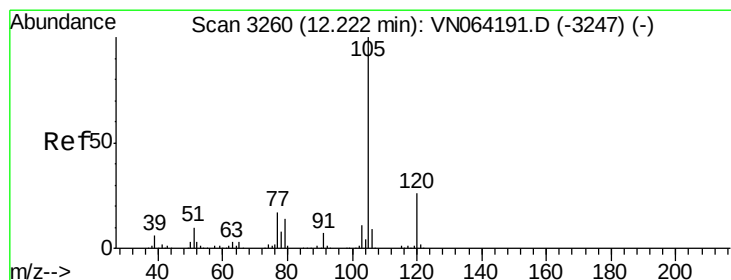
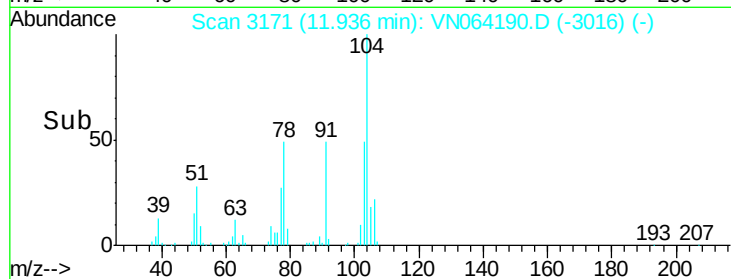
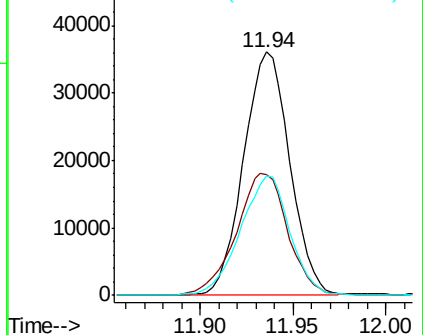
#69
Stvrene
Concen: 5.767 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.8	43.6	65.4
103	52.4	44.8	67.2

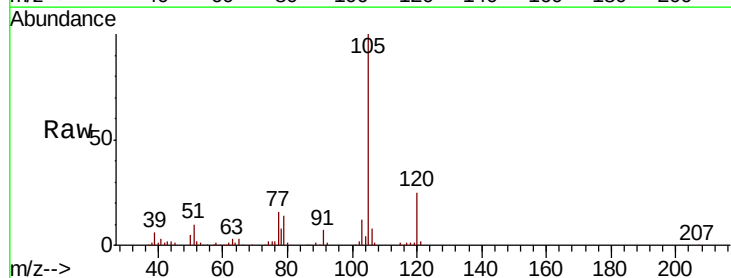


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

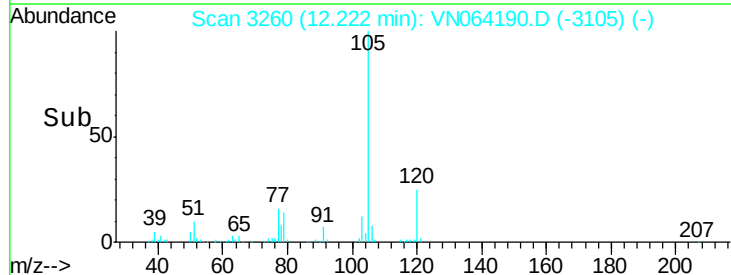
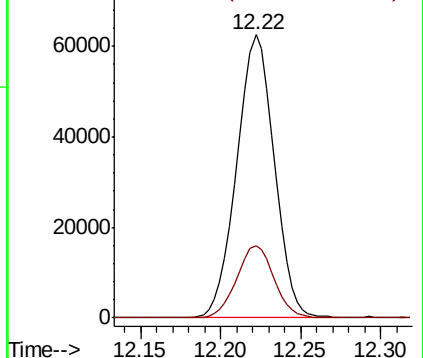


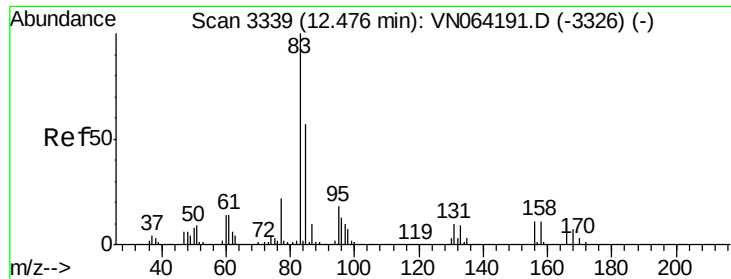
#70
Isopropylbenzene
Concen: 5.879 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.2	18.1	33.7



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

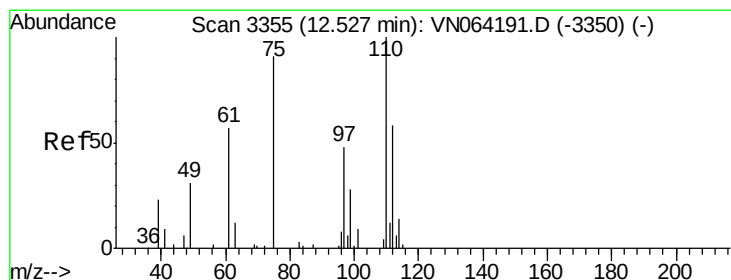
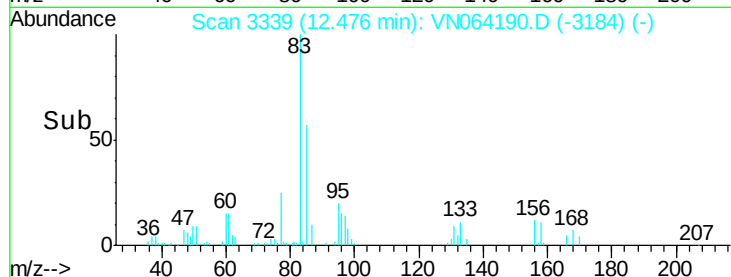
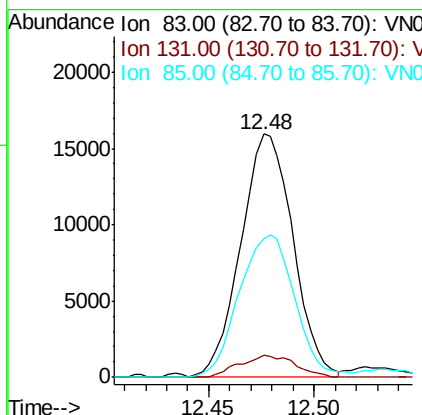
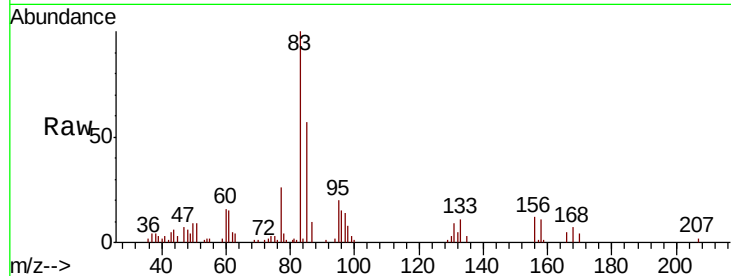




#71
 1,1,2,2-Tetrachloroethane
 Concen: 5.275 ug/l
 RT: 12.48 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

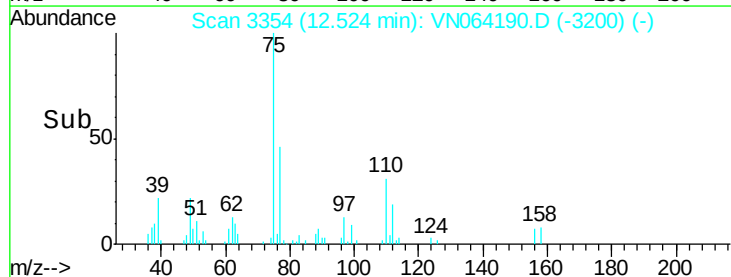
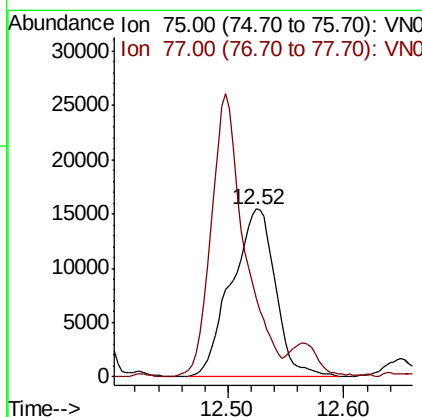
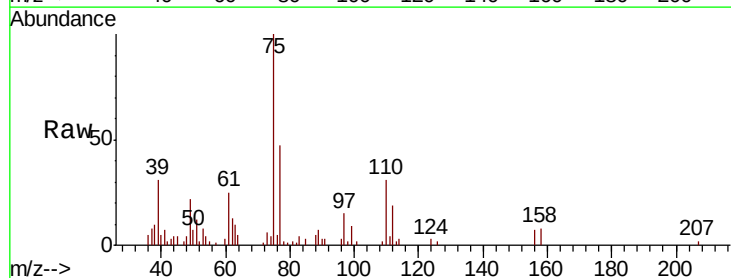
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

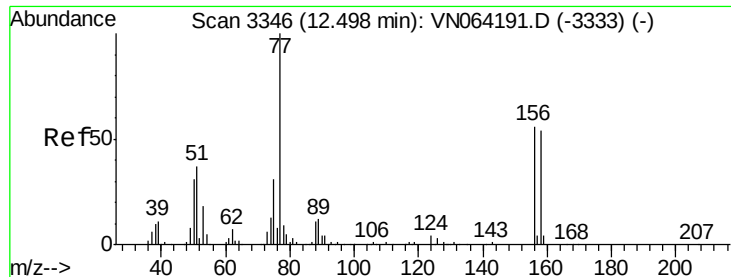
Tot Ion: 83 Resp: 27498
 Ion Ratio Lower Upper
 83 100
 131 9.6 5.5 16.4
 85 62.3 30.8 92.4



#72
 1,2,3-Trichloropropane
 Concen: 7.873 ug/l
 RT: 12.52 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Tgt Ion: 75 Resp: 40985
 Ion Ratio Lower Upper
 75 100
 77 128.0 0.0 417.6





#73

Bromobenzene

Concen: 5.402 ug/l

RT: 12.50 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

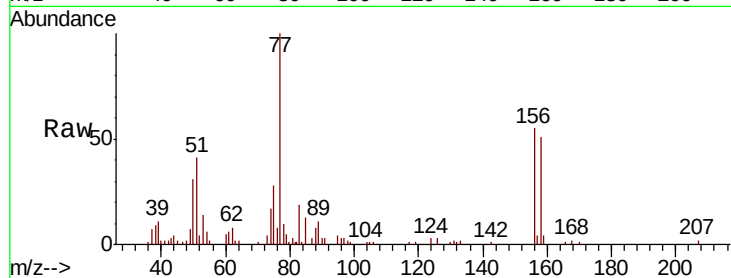
Tot Ion:156 Resp: 23239

Ion Ratio Lower Upper

156 100

77 225.7 0.0 429.8

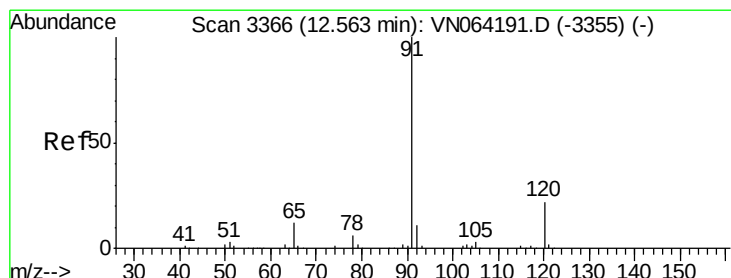
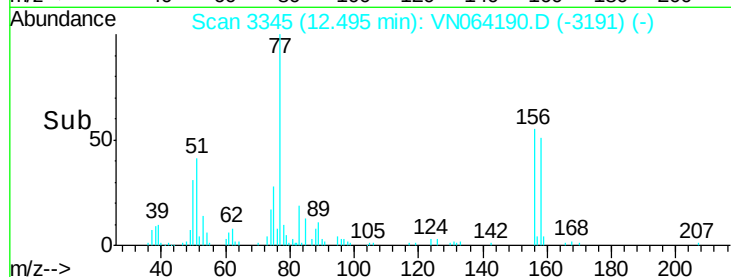
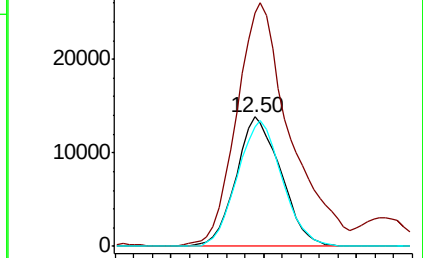
158 97.0 0.0 190.6



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: 5.649 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064190.D

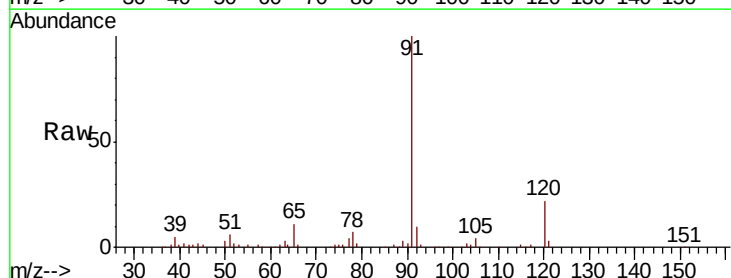
Acq: 20 Oct 2020 9:49

Tgt Ion: 91 Resp: 111636

Ion Ratio Lower Upper

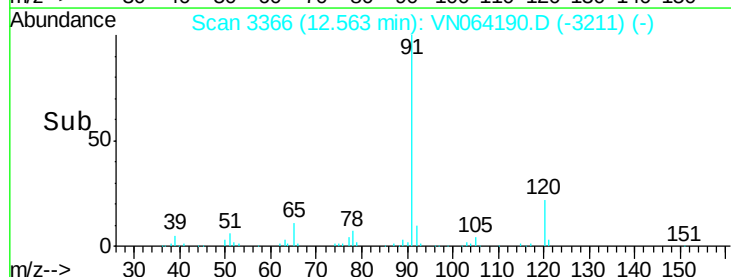
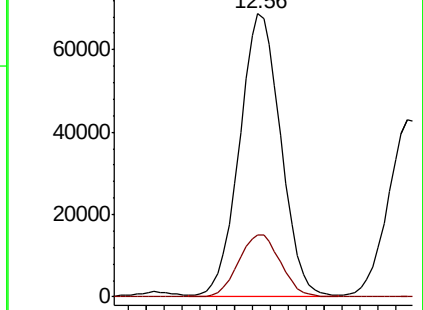
91 100

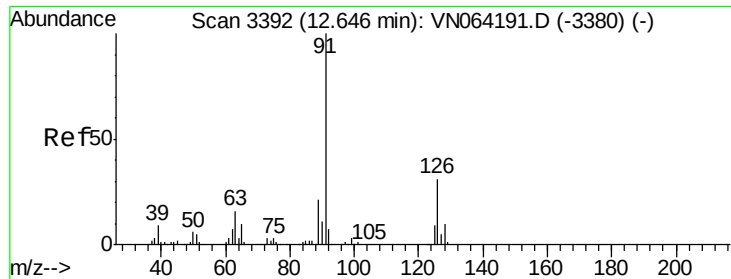
120 22.1 0.0 43.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 5.903 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

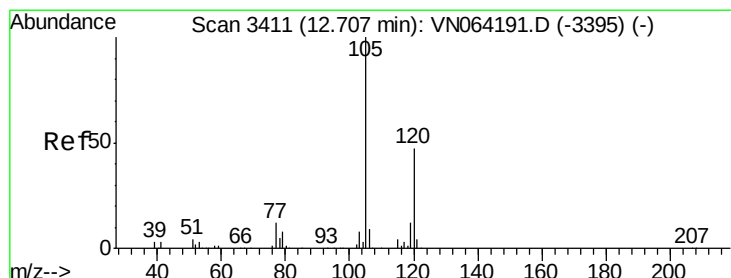
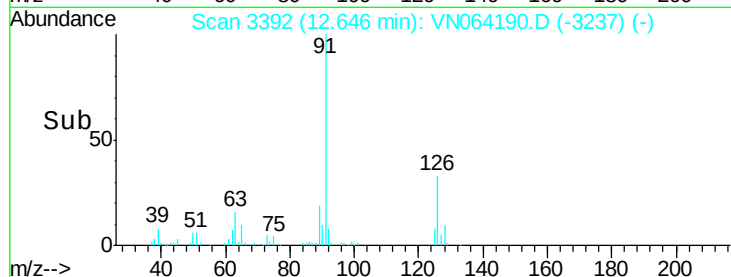
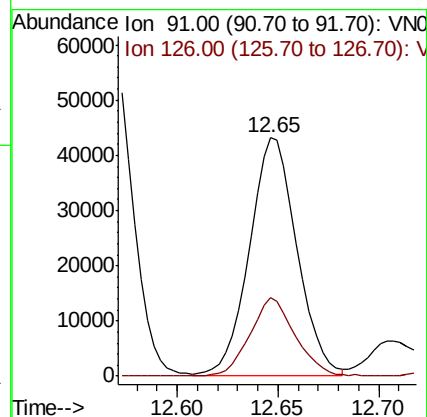
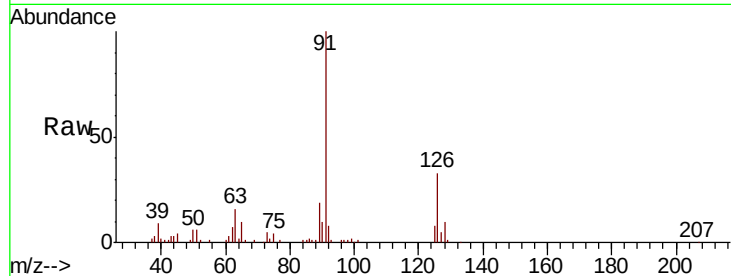
VSTDIC005

Tot Ion: 91 Resp: 71232

Ion Ratio Lower Upper

91 100

126 31.3 0.0 62.4



#76

1,3,5-Trimethylbenzene

Concen: 5.773 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064190.D

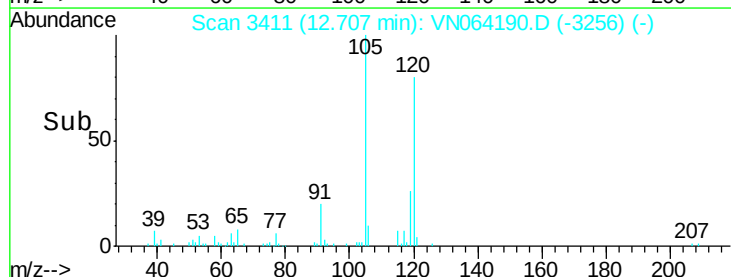
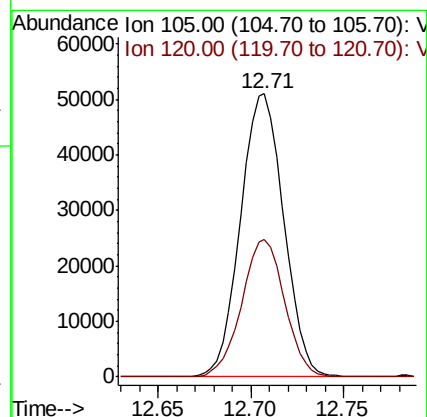
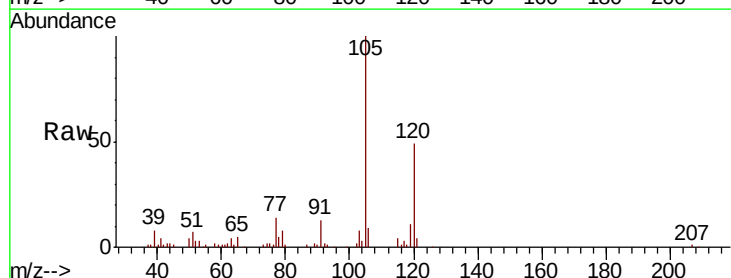
Acq: 20 Oct 2020 9:49

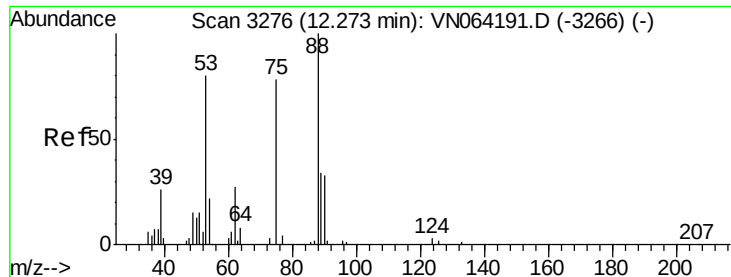
Tgt Ion: 105 Resp: 82785

Ion Ratio Lower Upper

105 100

120 48.1 0.0 95.0





#77

t-1,4-Dichloro-2-butene

Concen: 5.482 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

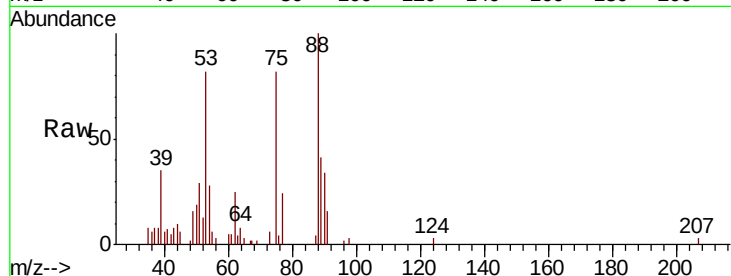
Tot Ion: 75 Resp: 10653

Ion Ratio Lower Upper

75 100

53 95.3 51.4 154.2

89 49.5 23.8 71.5

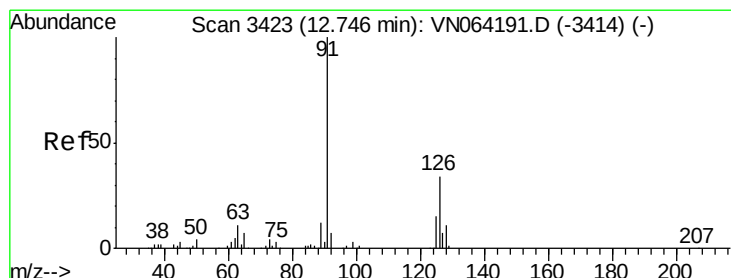
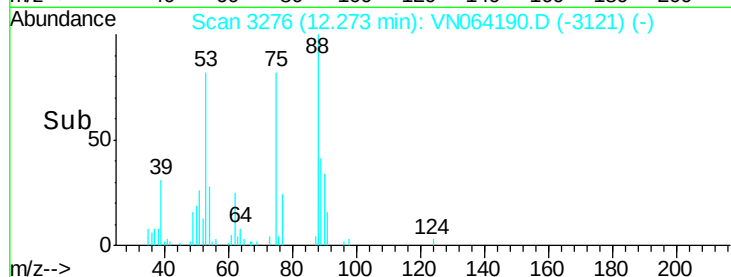


Abundance Ion 75.00 (74.70 to 75.70): VN064190.D (-3276) (-)

Ion 53.00 (52.70 to 53.70): VN064190.D (-3276) (-)

Ion 89.00 (88.70 to 89.70): VN064190.D (-3276) (-)

Time-->



#78

4-Chlorotoluene

Concen: 5.776 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064190.D

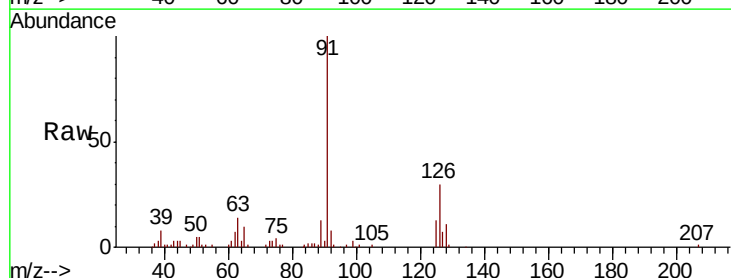
Acq: 20 Oct 2020 9:49

Tgt Ion: 91 Resp: 73472

Ion Ratio Lower Upper

91 100

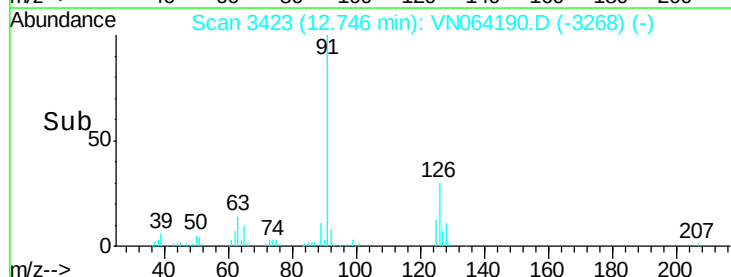
126 30.1 0.0 63.2

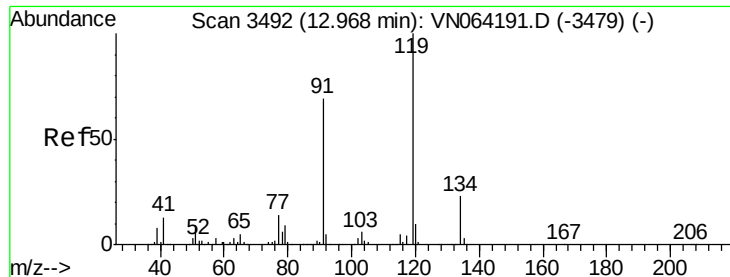


Abundance Ion 91.00 (90.70 to 91.70): VN064190.D (-3423) (-)

Ion 126.00 (125.70 to 126.70): VN064190.D (-3423) (-)

Time-->

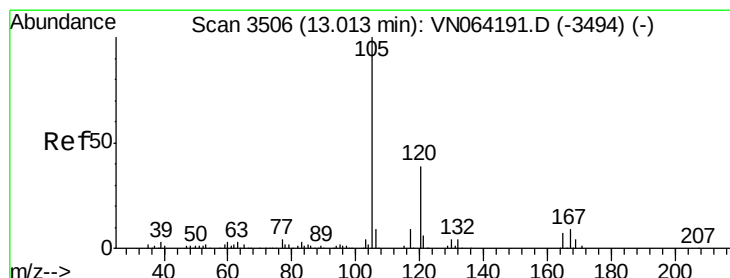
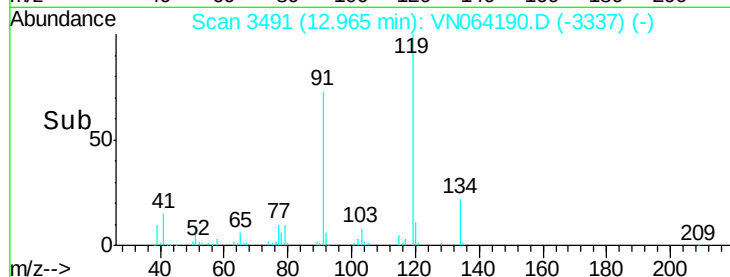
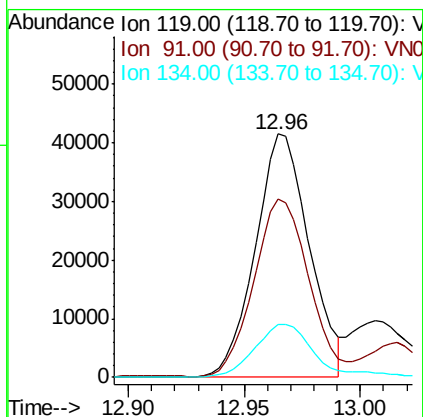
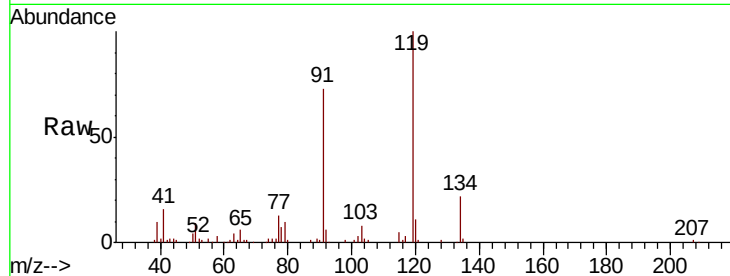




#79
tert-butylbenzene
Concen: 5.798 ug/l
RT: 12.96 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

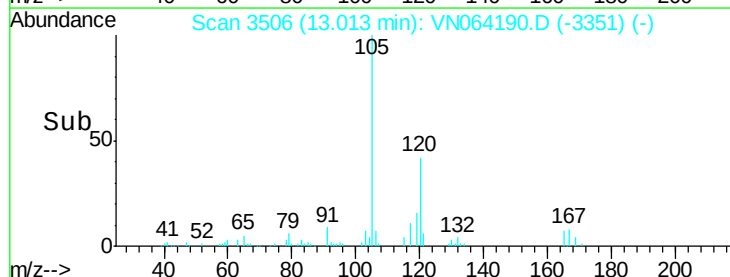
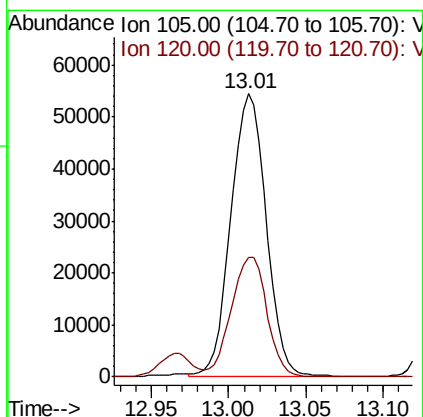
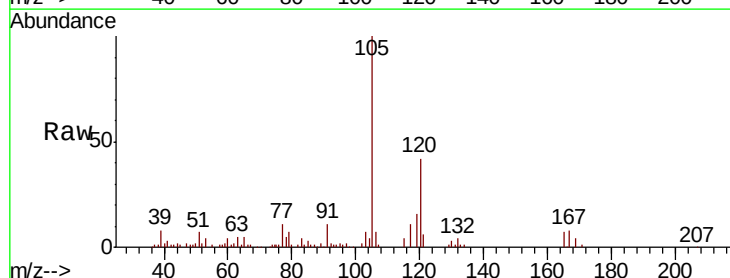
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

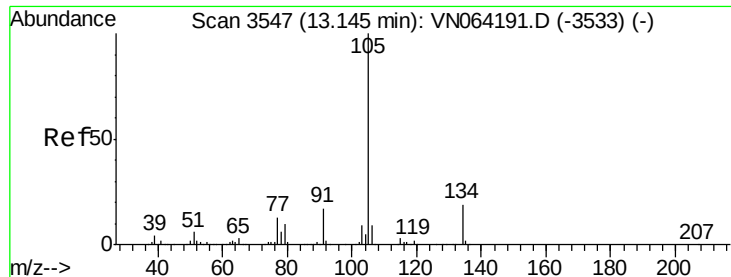
Tot Ion:119 Resp: 67100
Ion Ratio Lower Upper
119 100
91 74.8 0.0 143.2
134 22.7 0.0 49.2



#80
1,2,4-Trimethylbenzene
Concen: 6.014 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tgt Ion:105 Resp: 86718
Ion Ratio Lower Upper
105 100
120 42.6 0.0 85.8





#81

sec-Butylbenzene

Concen: 5.867 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

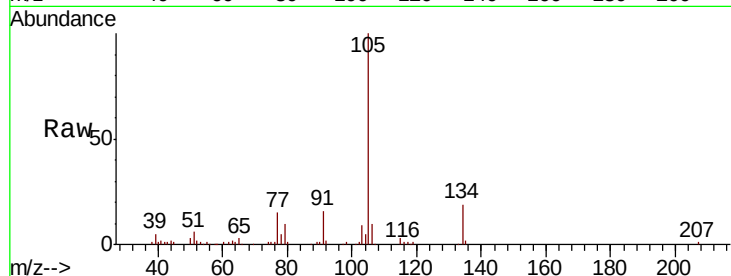
VSTDIC005

Tot Ion:105 Resp: 88998

Ion Ratio Lower Upper

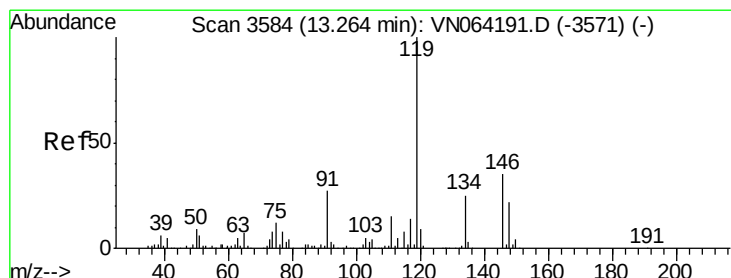
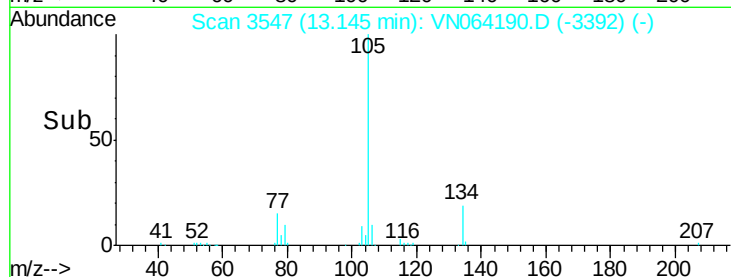
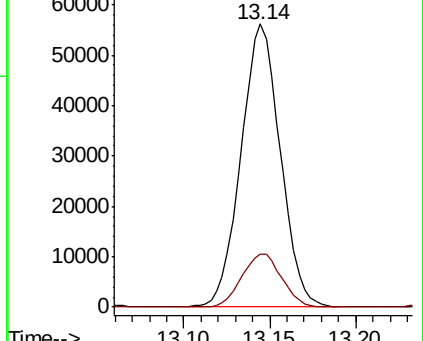
105 100

134 19.0 0.0 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 5.868 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

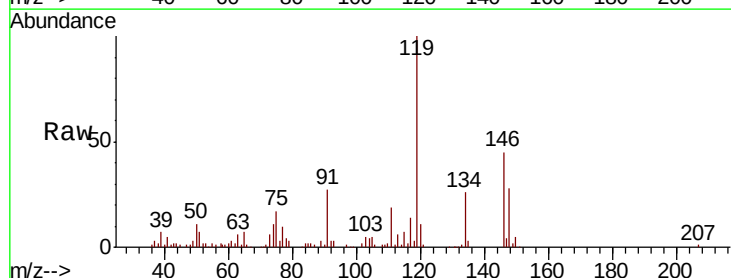
Tgt Ion:119 Resp: 81182

Ion Ratio Lower Upper

119 100

134 26.4 0.0 51.4

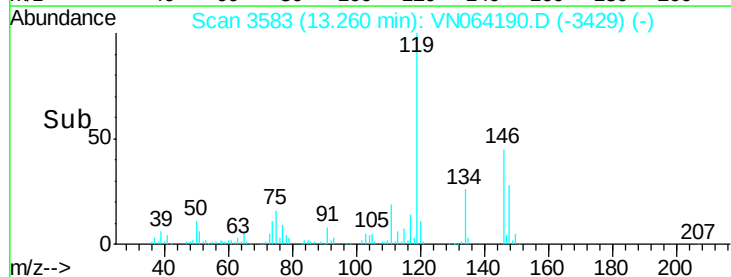
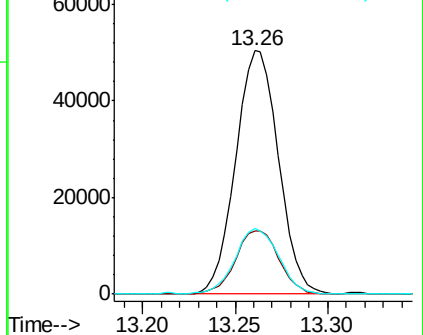
91 27.5 0.0 52.8

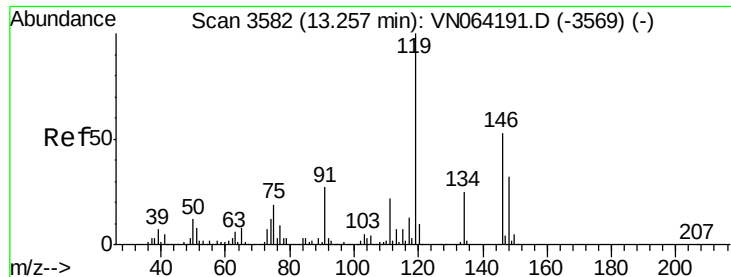


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

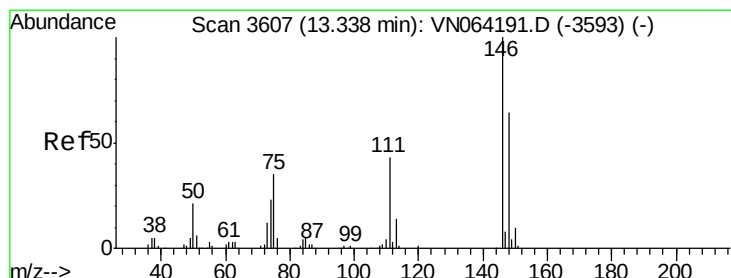
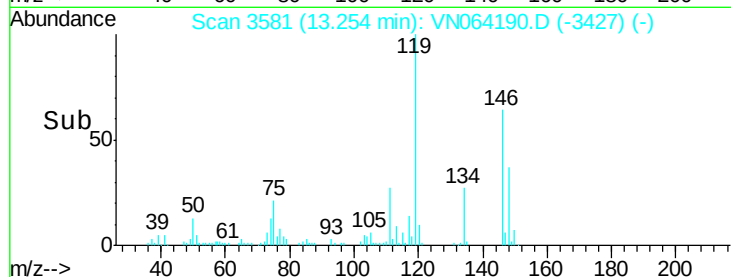
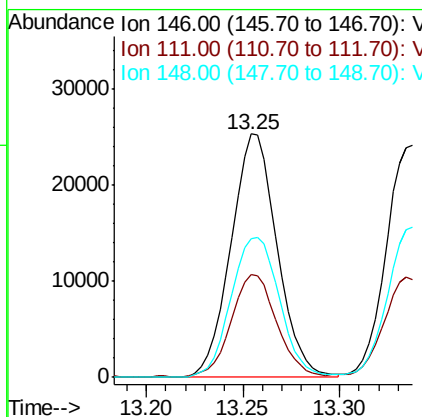
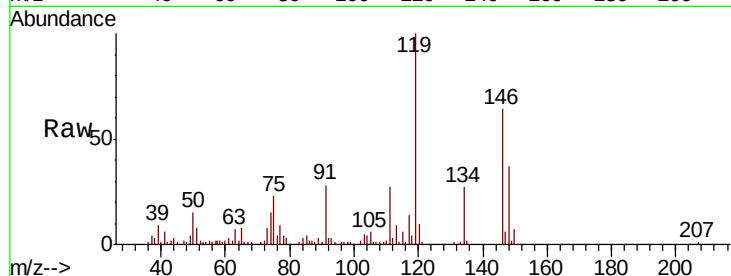




#83
 1,3-Dichlorobenzene
 Concen: 5.549 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

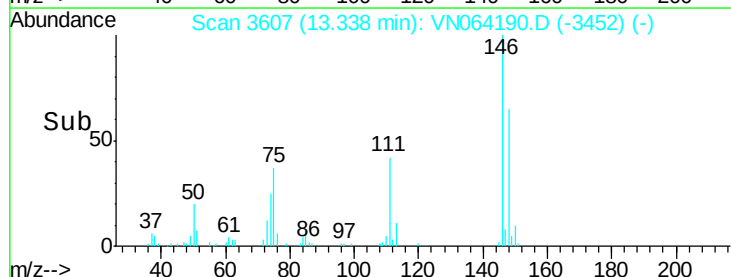
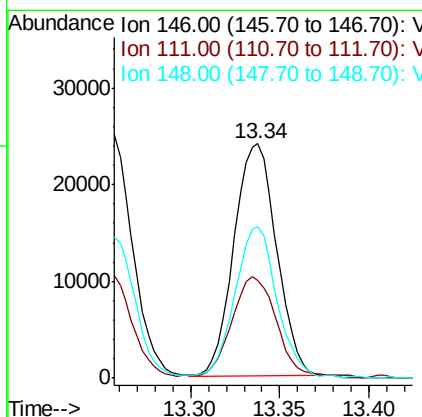
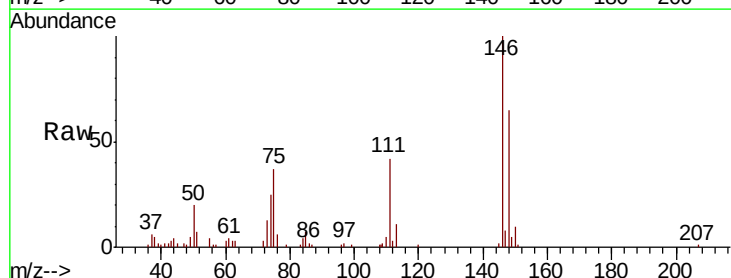
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

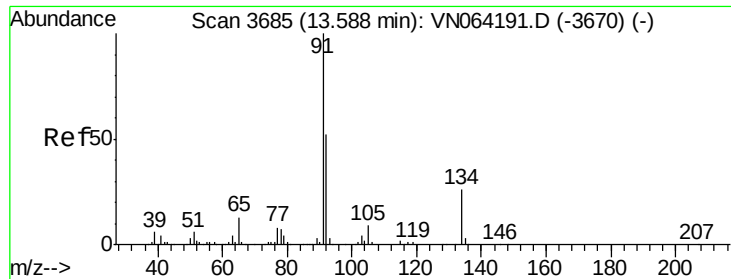
Tot Ion:146 Resp: 42084
 Ion Ratio Lower Upper
 146 100
 111 41.9 21.8 65.4
 148 60.6 31.4 94.2



#84
 1,4-Dichlorobenzene
 Concen: 5.306 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Tgt Ion:146 Resp: 40270
 Ion Ratio Lower Upper
 146 100
 111 46.5 20.9 62.8
 148 64.2 30.9 92.7





#85

n-Butylbenzene

Concen: 6.004 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

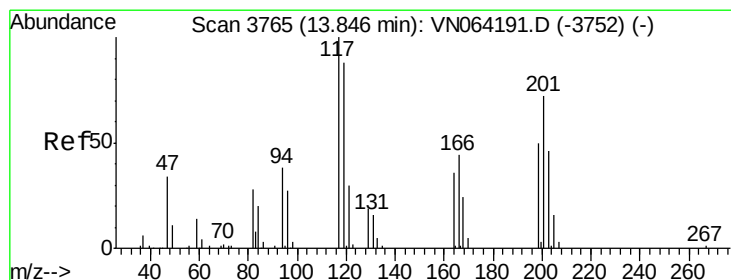
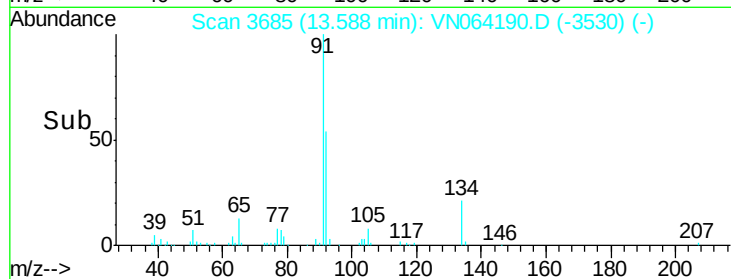
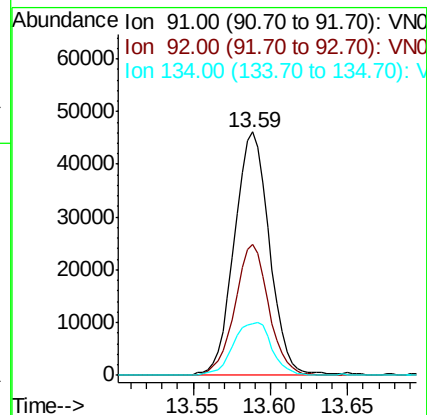
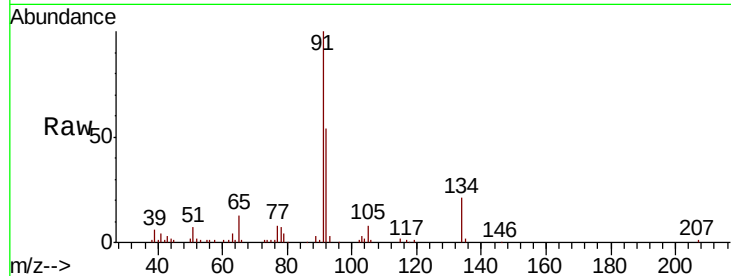
Tot Ion: 91 Resp: 72579

Ion Ratio Lower Upper

91 100

92 51.8 0.0 104.8

134 23.8 0.0 49.8



#86

Hexachloroethane

Concen: 5.679 ug/l

RT: 13.85 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN064190.D

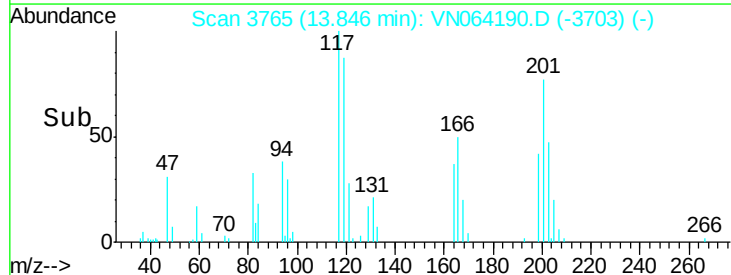
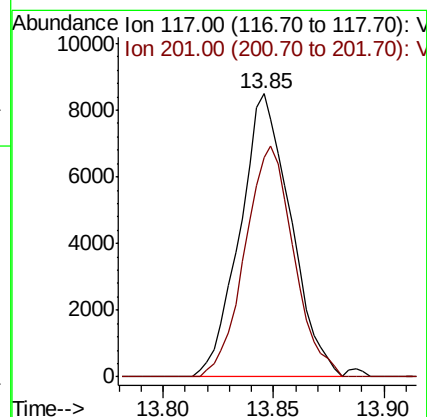
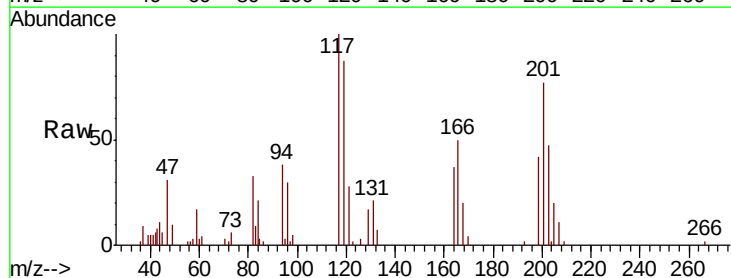
Acq: 20 Oct 2020 9:49

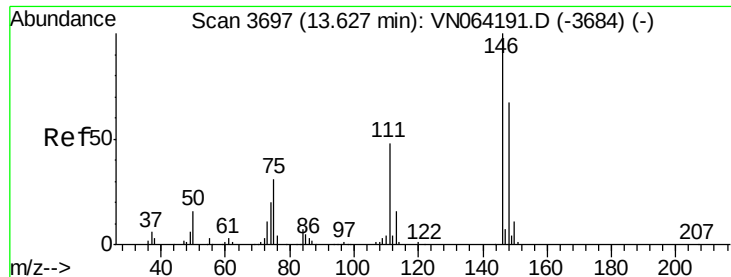
Tgt Ion: 117 Resp: 13530

Ion Ratio Lower Upper

117 100

201 78.3 37.5 112.3

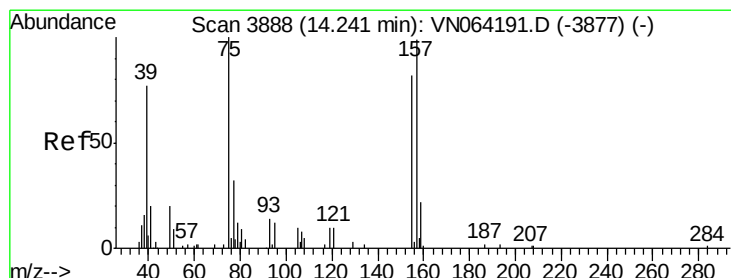
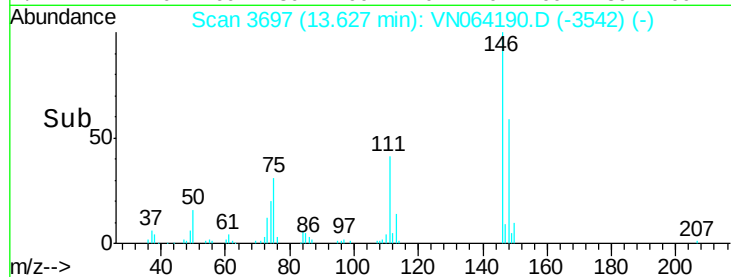
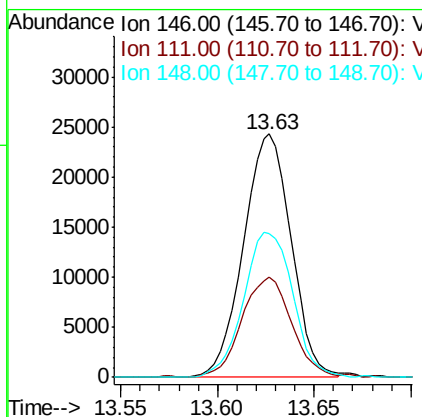
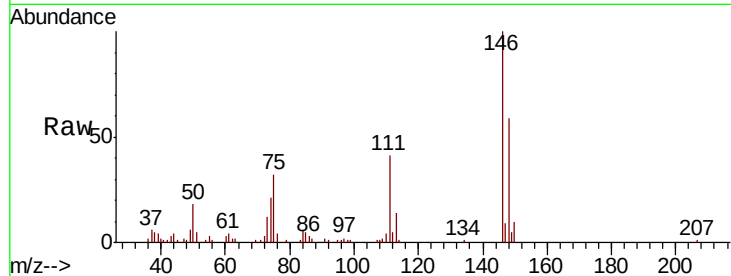




#87
 1,2-Dichlorobenzene
 Concen: 5.649 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

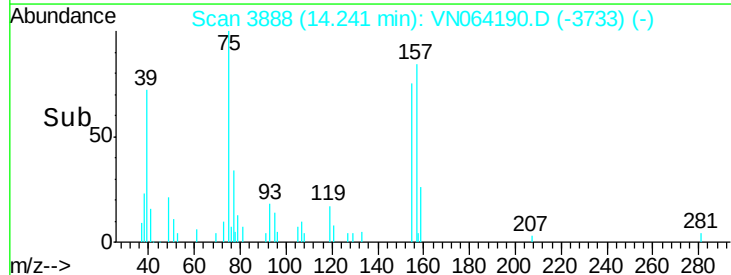
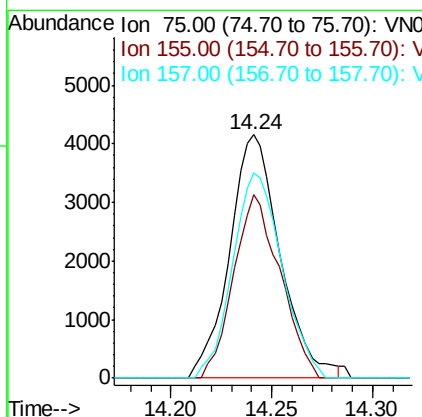
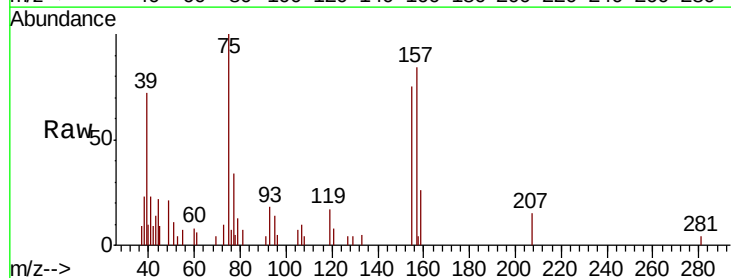
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

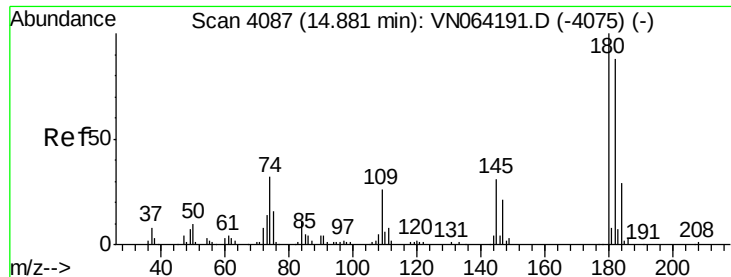
Tot Ion:146 Resp: 41744
 Ion Ratio Lower Upper
 146 100
 111 42.8 22.6 67.8
 148 61.4 32.6 97.8



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 5.830 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Tgt Ion: 75 Resp: 7292
 Ion Ratio Lower Upper
 75 100
 155 69.2 61.1 91.7
 157 82.3 76.5 114.7

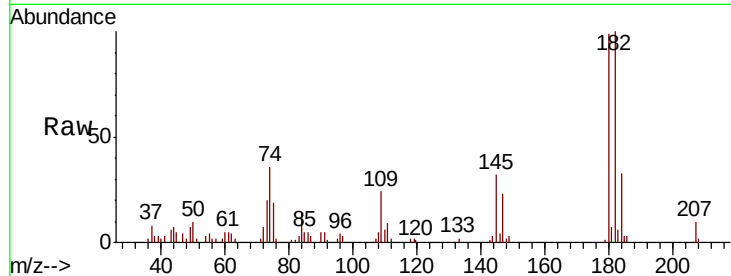




#89
 1,2,4-Trichlorobenzene
 Concen: 5.789 ug/l
 RT: 14.88 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	180	182	145
Resp	22830		
Ratio	100	98.6	35.5
Lower		73.0	24.3
Upper		109.4	36.5

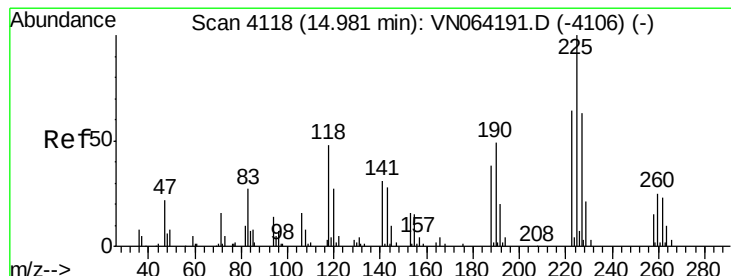
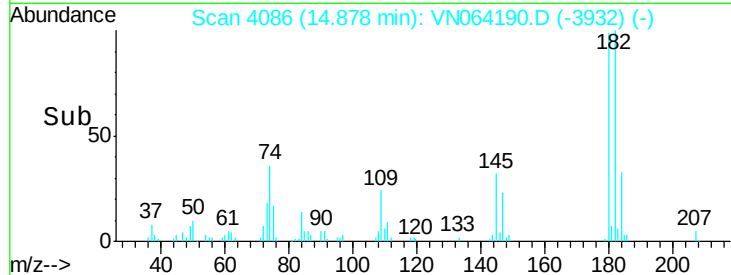
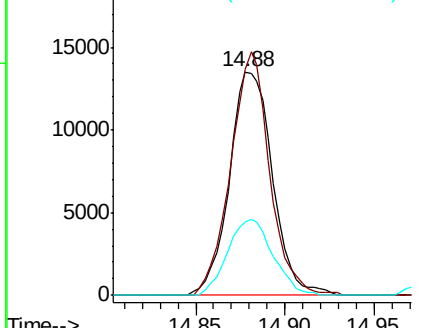


Abundance

Ion 180.00 (179.70 to 180.70): V

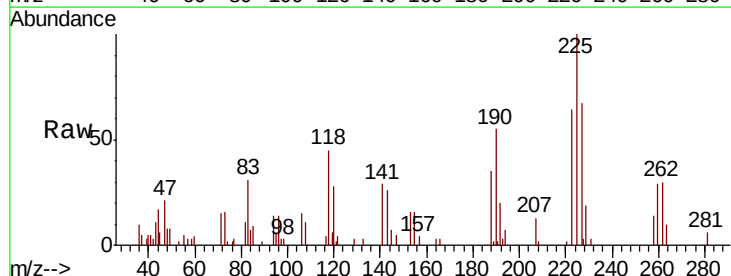
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 6.603 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Tgt Ion	225	223	227
Resp	13474		
Ratio	100	60.9	64.2
Lower		0.0	0.0
Upper		127.0	129.4

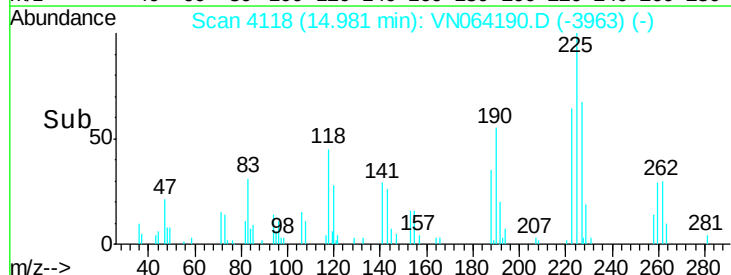
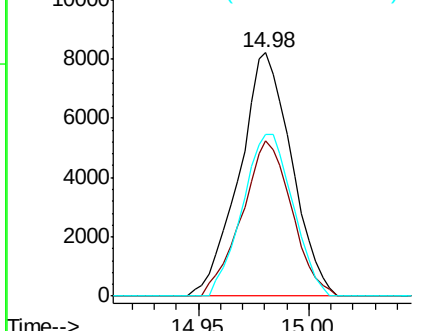


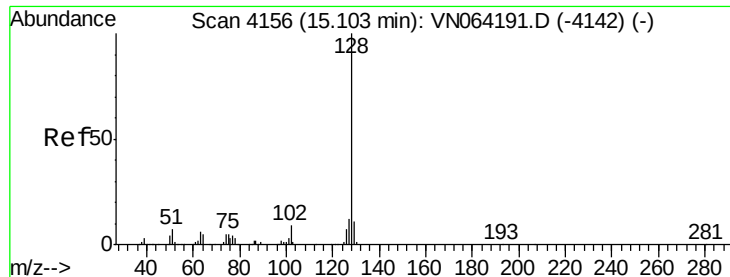
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

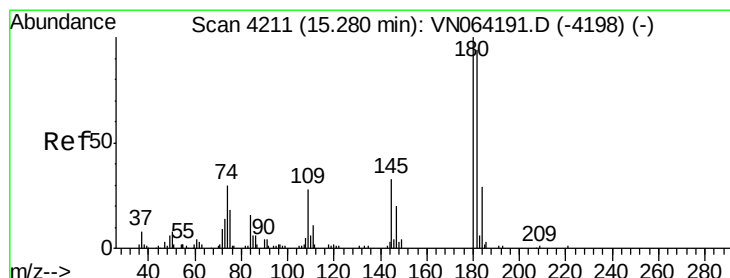
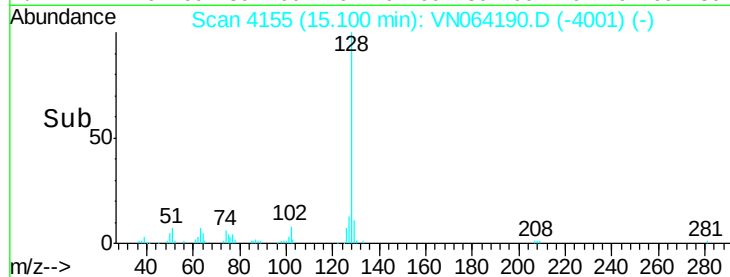
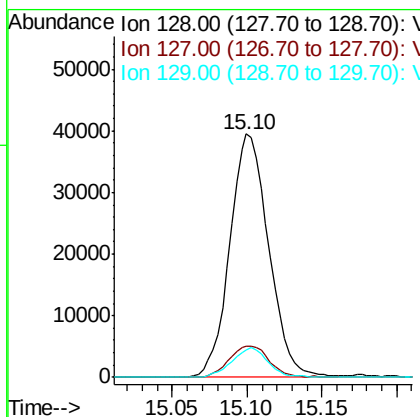
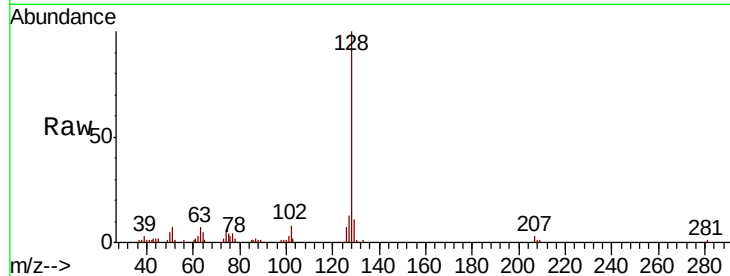




#91
Naphthalene
Concen: 6.016 ug/l
RT: 15.10 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 71435
Ion Ratio Lower Upper
128 100
127 13.1 10.1 15.1
129 11.0 8.7 13.1



#92
1,2,3-Trichlorobenzene
Concen: 5.797 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tgt Ion:180 Resp: 21964
Ion Ratio Lower Upper
180 100
182 96.2 0.0 190.0
145 34.2 0.0 66.6

