

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 :
 BNA_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 :
 BNA_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

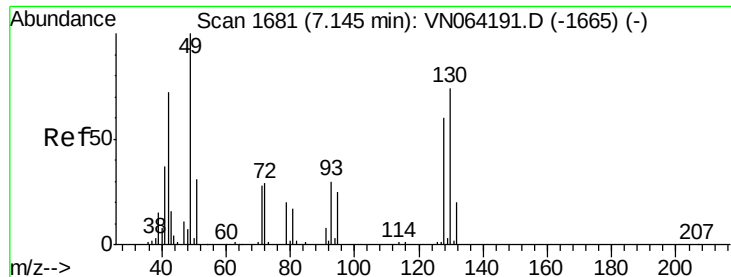
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
Data File : VN064190.D
Acq On : 20 Oct 2020 9:49
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
VSTDICC005

Quant Time: Oct 20 11:10:33 2020
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 20 11:03:39 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

BNA_N

ClientSampleId :

VSTDIC005

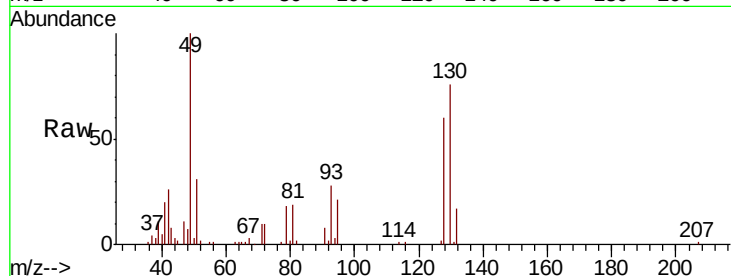
Tot Ion:128 Resp: 58154

Ion Ratio Lower Upper

128 100

49 173.1 0.0 433.3

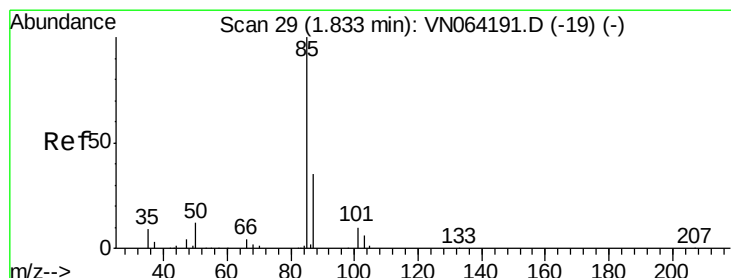
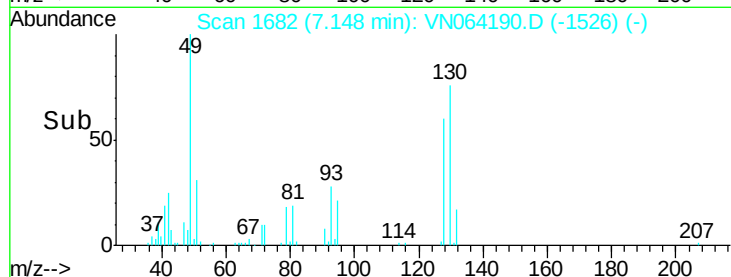
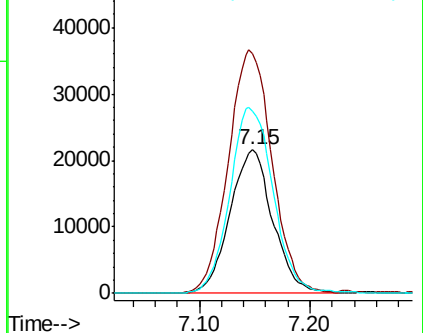
130 130.8 0.0 322.5



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

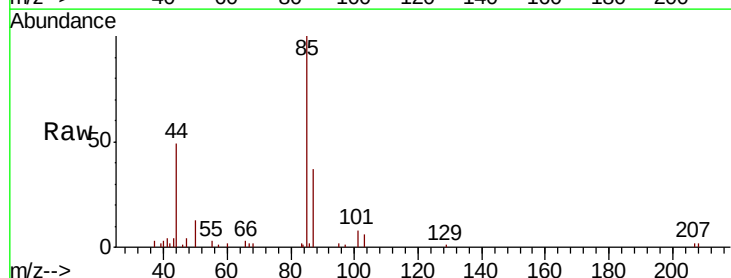
Acq: 20 Oct 2020 9:49

Tgt Ion: 85 Resp: 16407

Ion Ratio Lower Upper

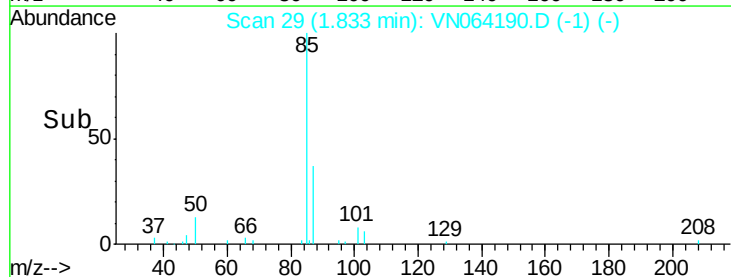
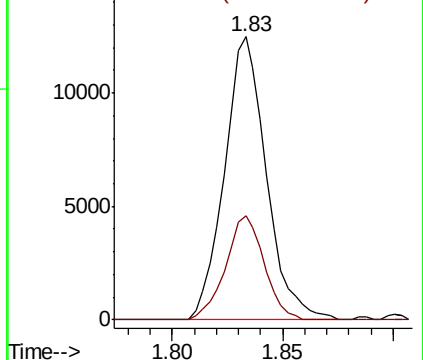
85 100

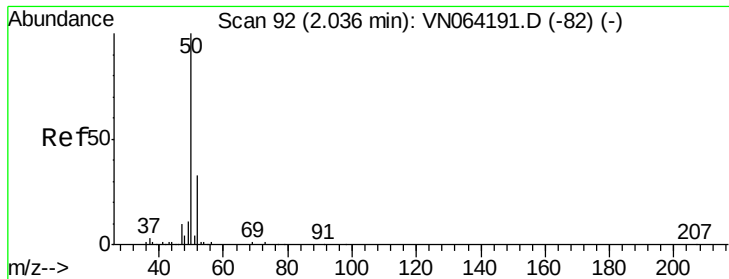
87 36.6 17.8 53.3



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 :

BNA_N

ClientSampleId :

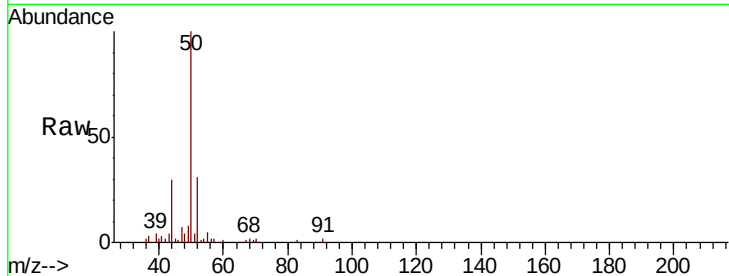
VSTDIC005

Tot Ion: 50 Resp: 19895

Ion Ratio Lower Upper

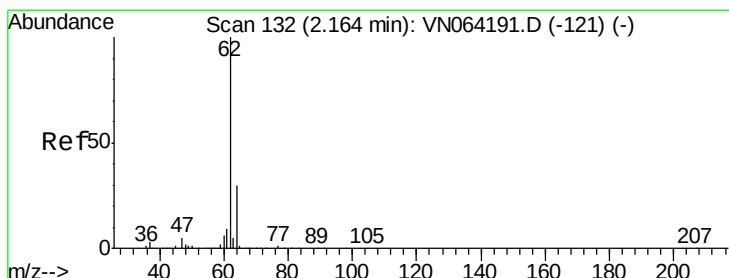
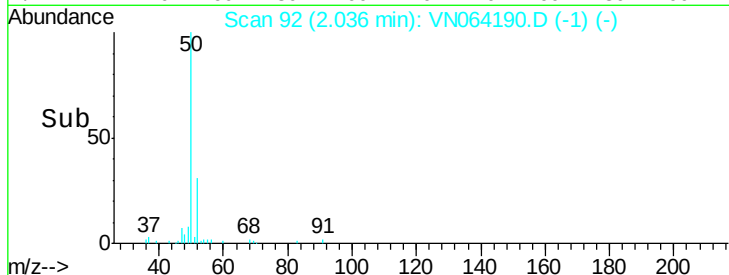
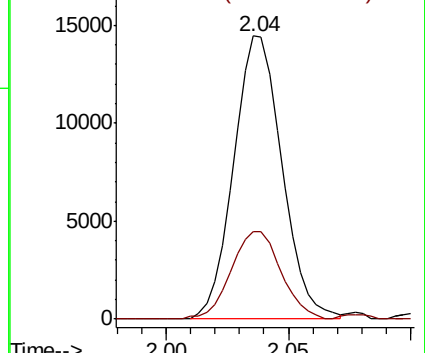
50 100

52 30.0 26.6 40.0



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 4.931 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064190.D

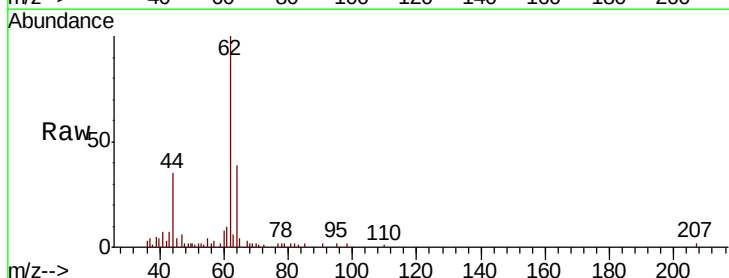
Acq: 20 Oct 2020 9:49

Tgt Ion: 62 Resp: 19348

Ion Ratio Lower Upper

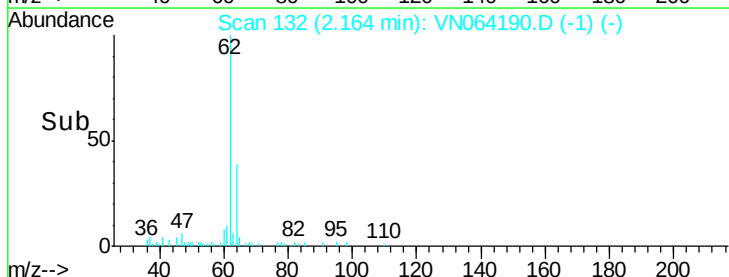
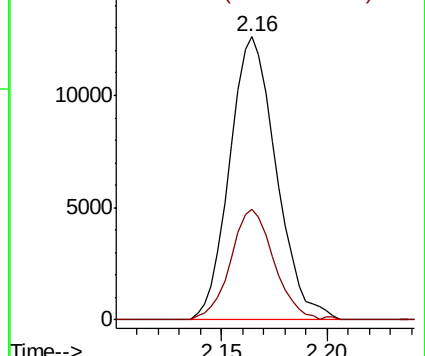
62 100

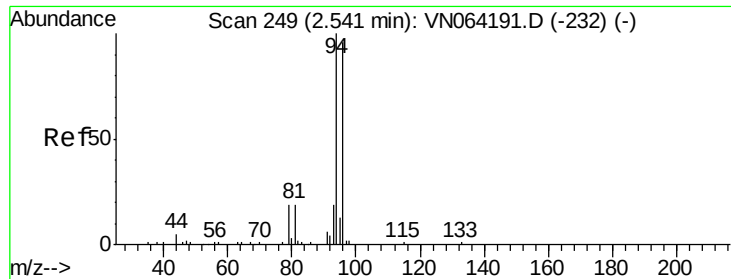
64 39.2 24.4 36.6#



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#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 :

BNA_N

ClientSampleId :

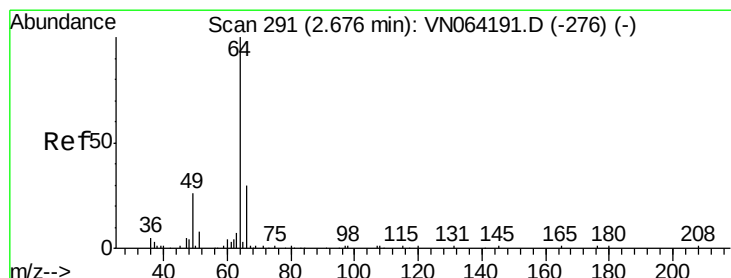
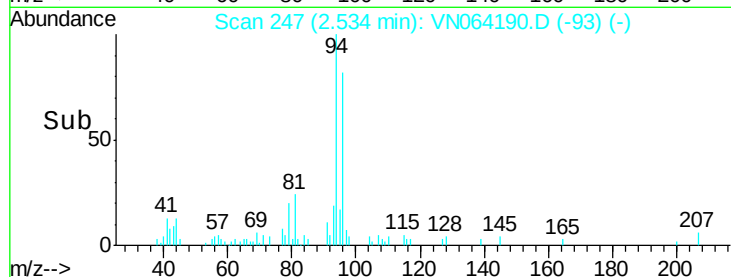
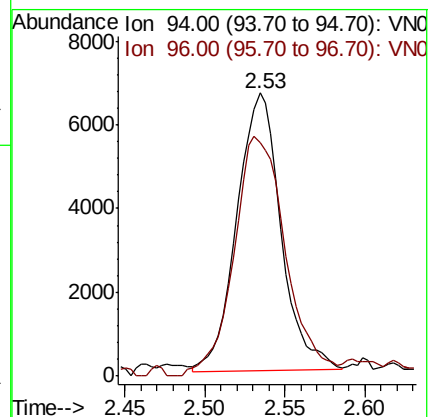
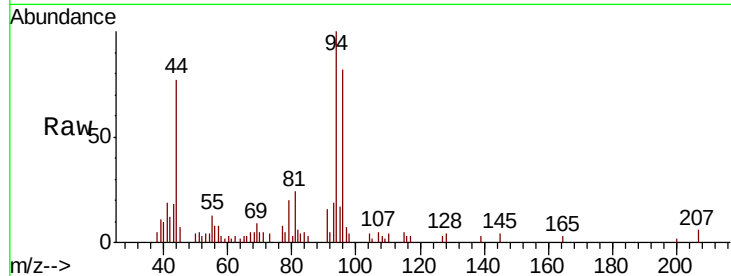
VSTDIC005

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

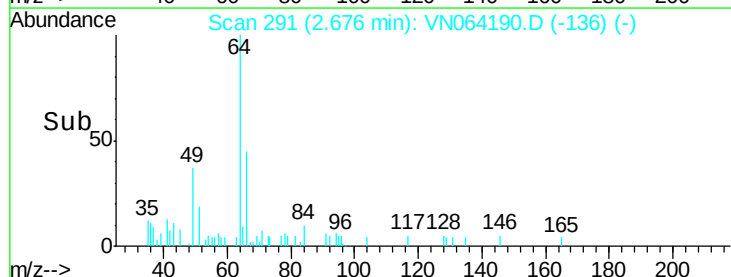
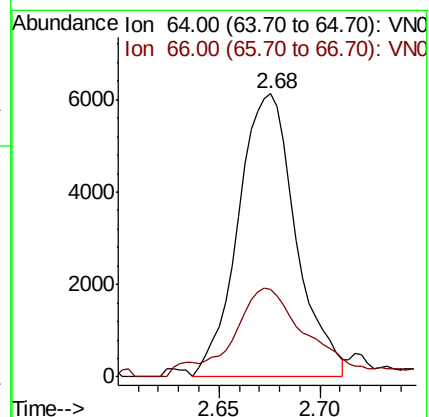
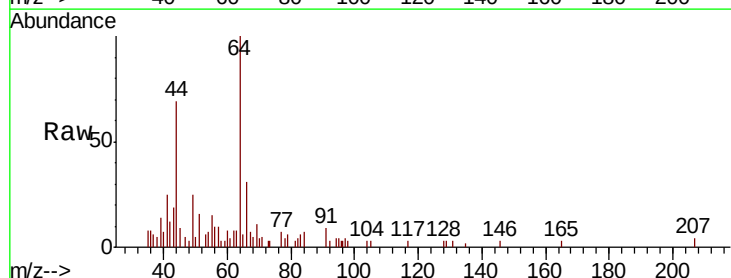
Acq: 20 Oct 2020 9:49

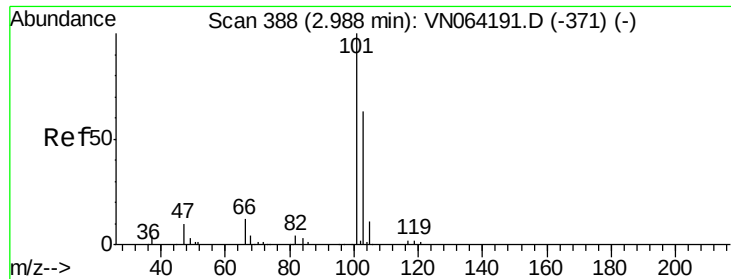
Tgt Ion: 64 Resp: 12234

Ion Ratio Lower Upper

64 100

66 25.9 24.3 36.5



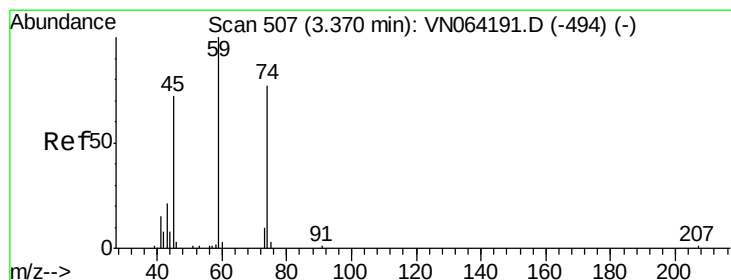
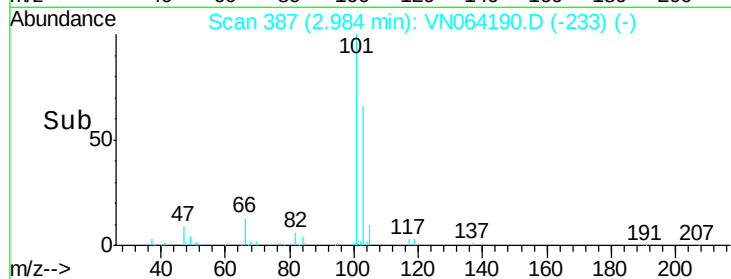
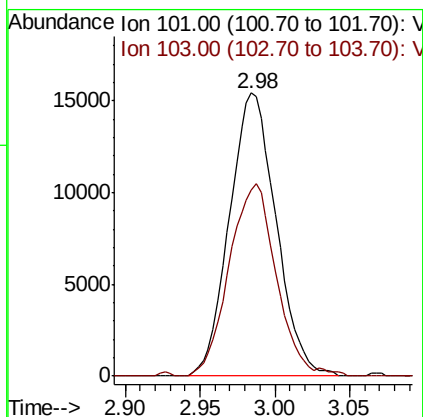
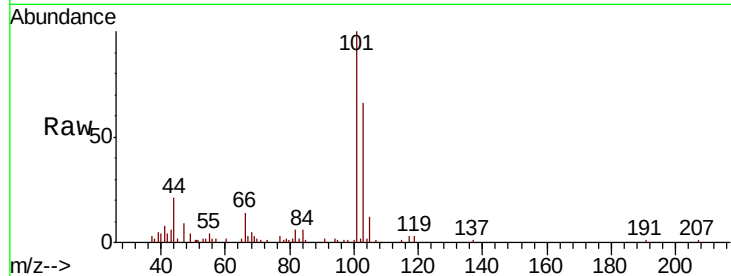


#7

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 :
 BNA_N
 ClientSampleId :
 VSTDIC005

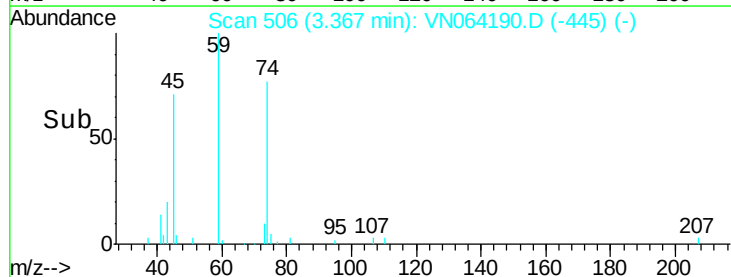
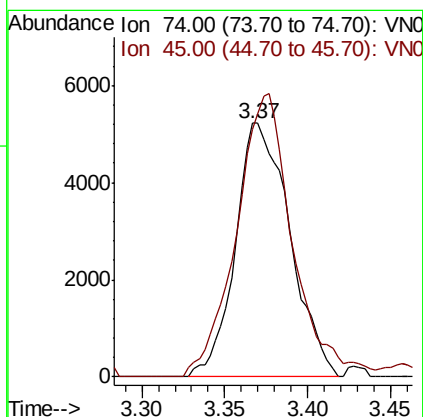
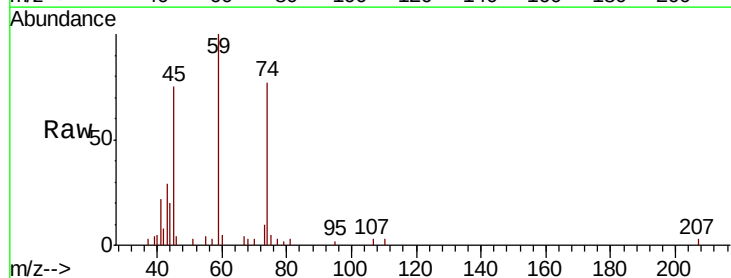
Tot Ion:101 Resp: 33590
 Ion Ratio Lower Upper
 101 100
 103 65.9 50.7 76.1

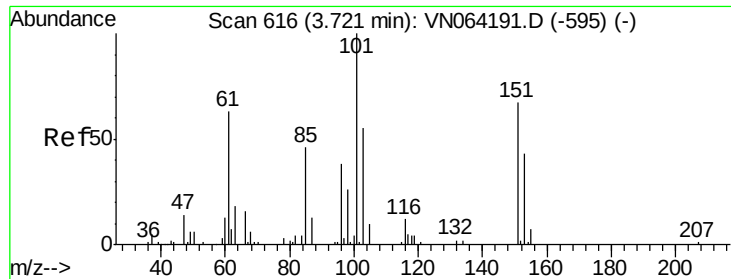


#8

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 :

BNA_N

ClientSampleId :

VSTDIC005

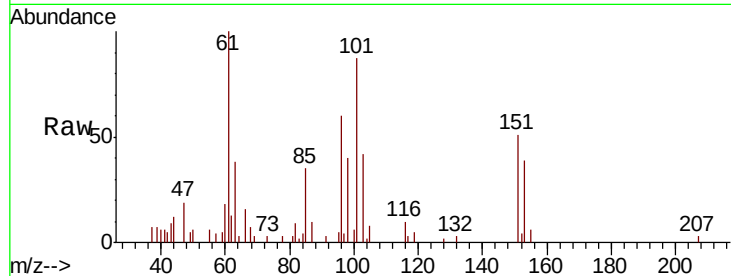
Tot Ion:101 Resp: 10705

Ion Ratio Lower Upper

101 100

85 0.0 0.0 94.0

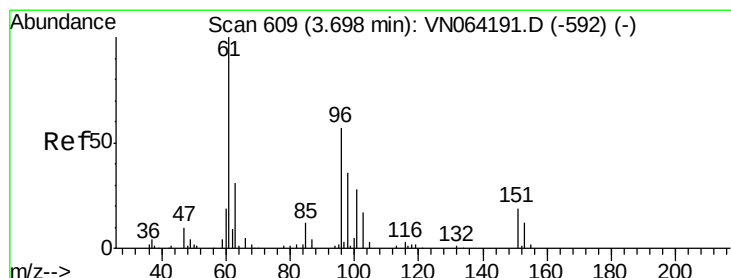
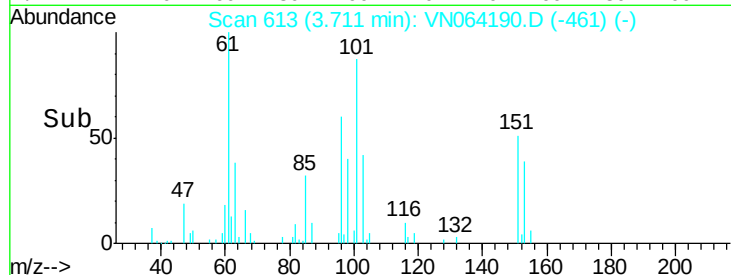
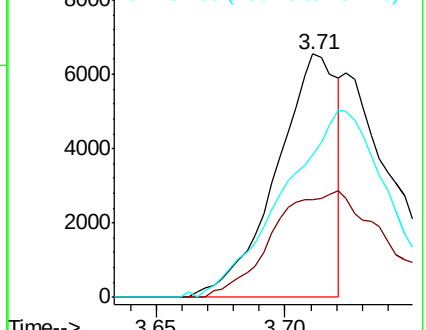
151 132.5 0.0 146.6



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

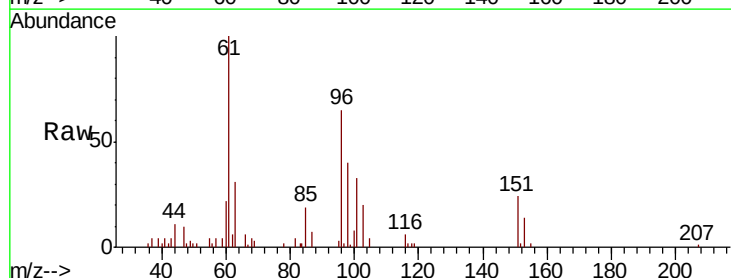
Tgt Ion: 96 Resp: 18491

Ion Ratio Lower Upper

96 100

61 152.9 141.0 211.4

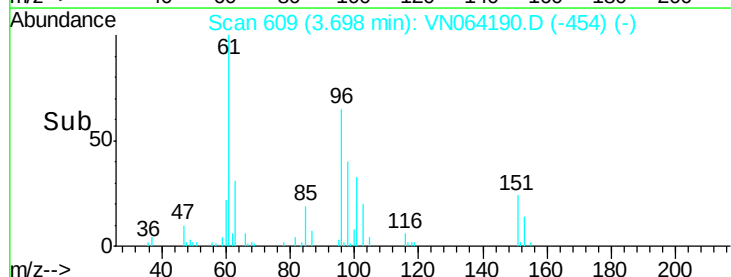
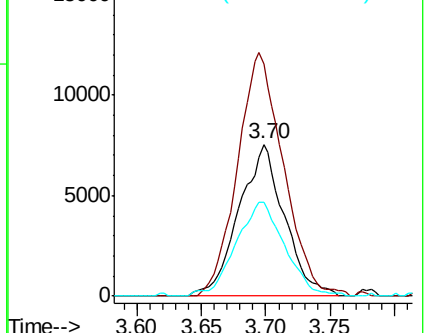
98 61.6 51.4 77.2

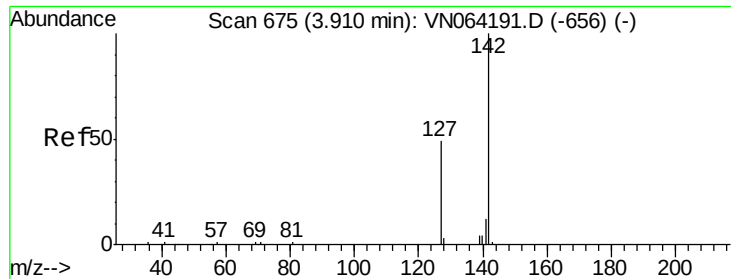


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

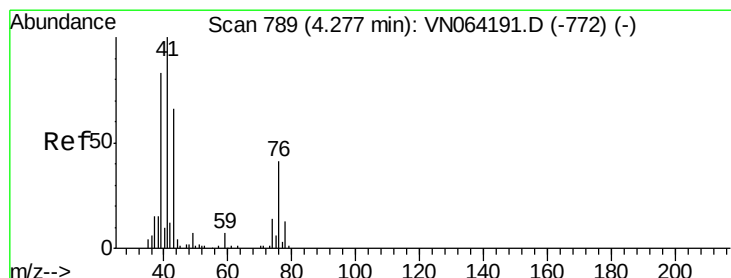
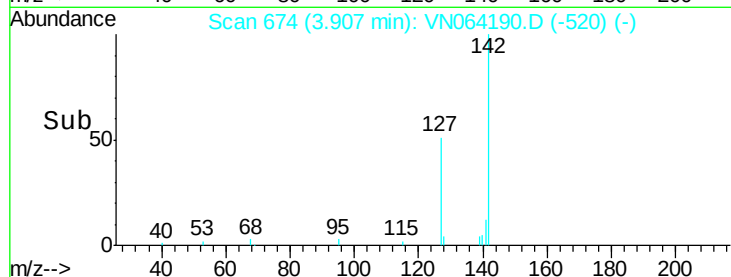
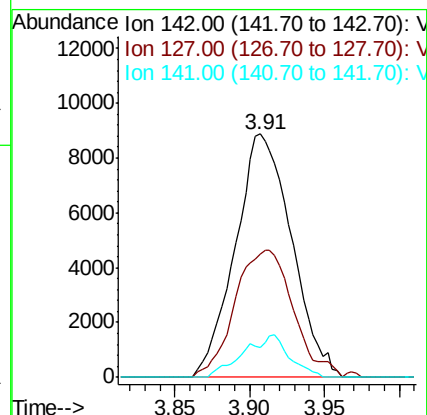
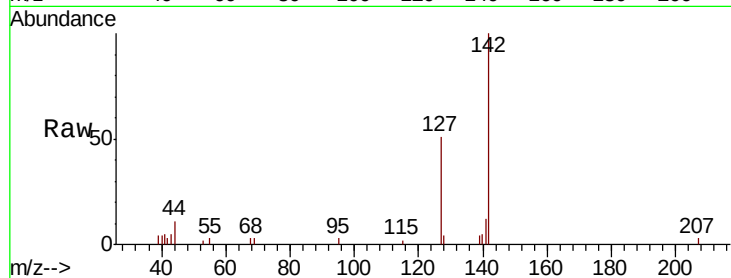




#11
Methyl Iodide
Concen: 5.847 ug/l
RT: 3.91 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

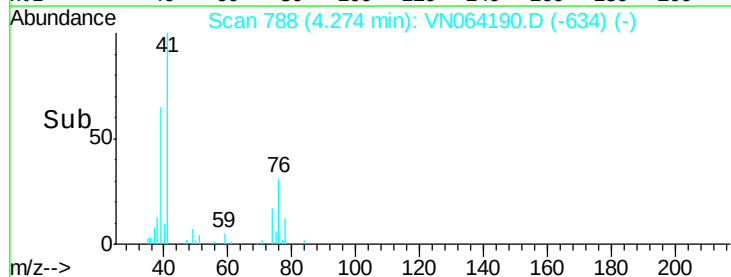
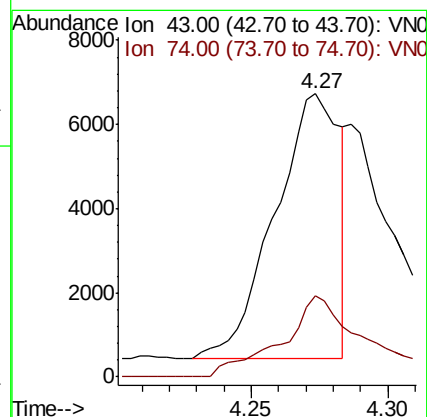
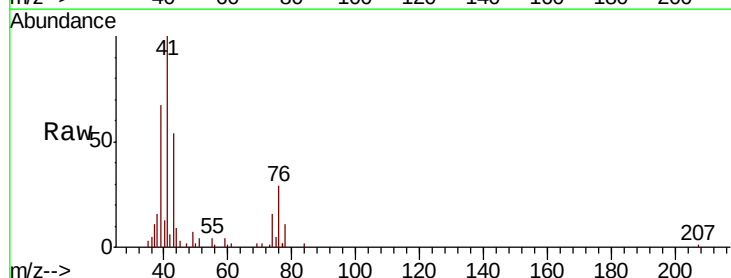
Instrument :
BNA_N
ClientSampleId :
VSTDIC005

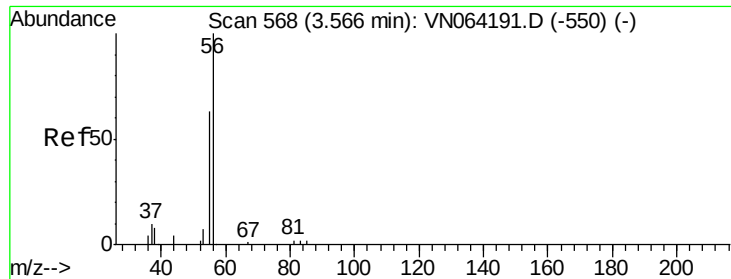
Tot Ion:142 Resp: 23223
Ion Ratio Lower Upper
142 100
127 50.8 24.5 73.5
141 12.1 6.0 18.1



#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 :

BNA_N

ClientSampleId :

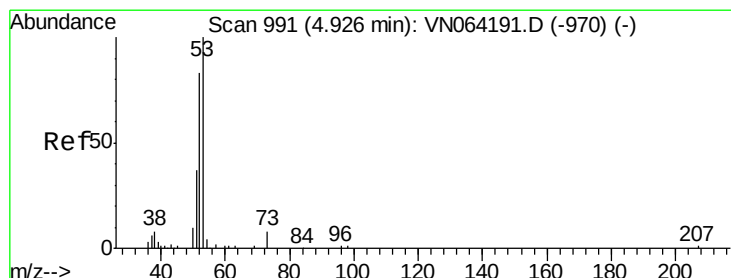
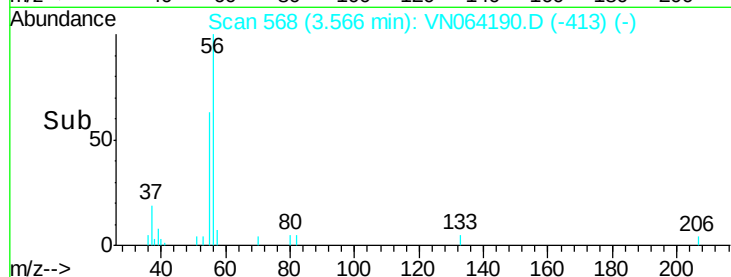
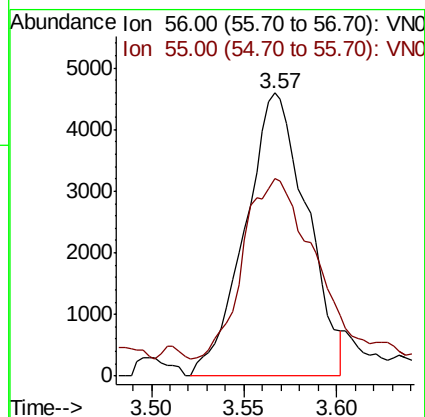
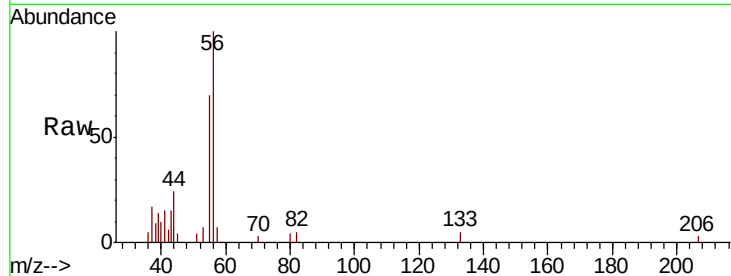
VSTDIC005

Tot Ion: 56 Resp: 10631

Ion Ratio Lower Upper

56 100

55 24.0 0.5 0.7#



#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

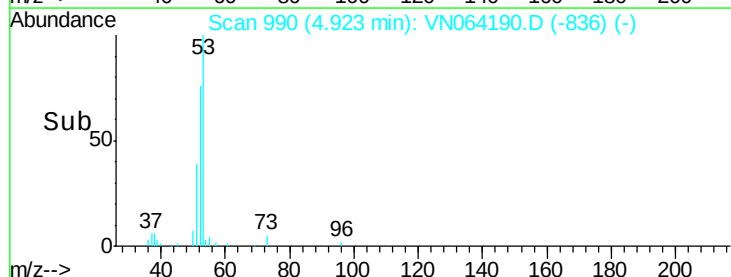
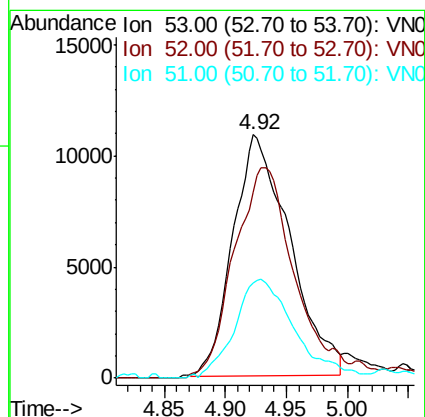
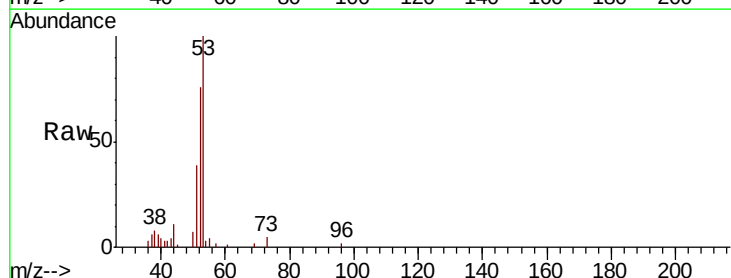
Tgt Ion: 53 Resp: 35154

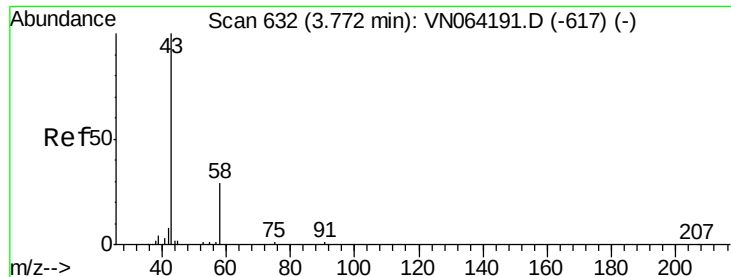
Ion Ratio Lower Upper

53 100

52 88.9 41.3 123.9

51 42.0 18.1 54.1





#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 :

BNA_N

ClientSampleId :

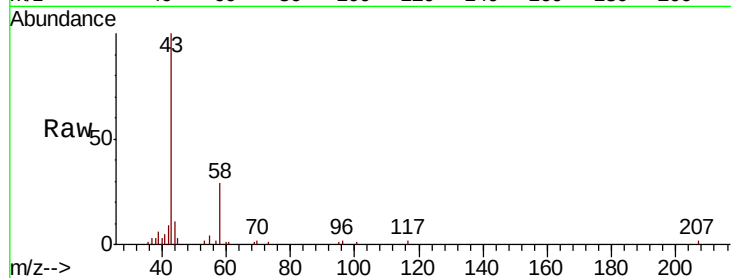
VSTDIC005

Tot Ion: 58 Resp: 9717

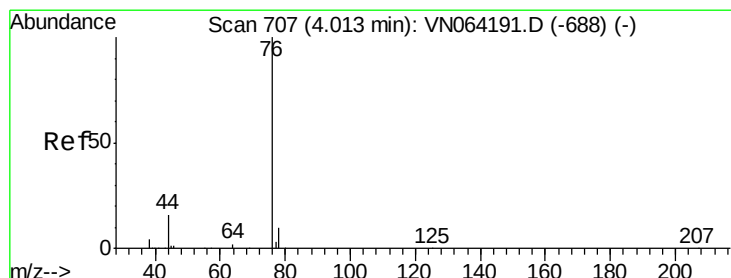
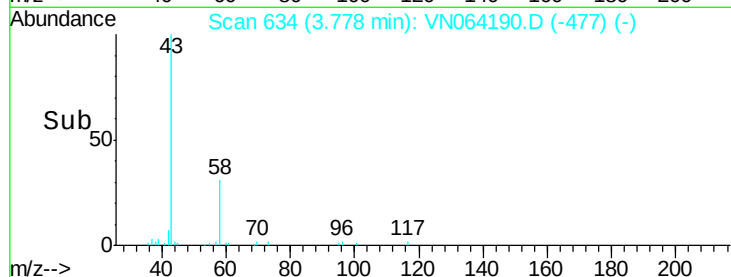
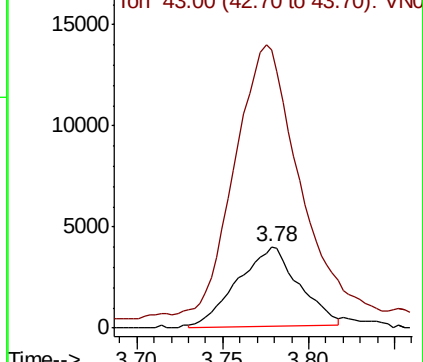
Ion Ratio Lower Upper

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

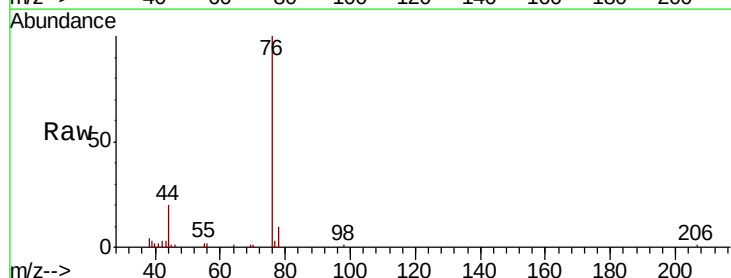
Acq: 20 Oct 2020 9:49

Tgt Ion: 76 Resp: 50016

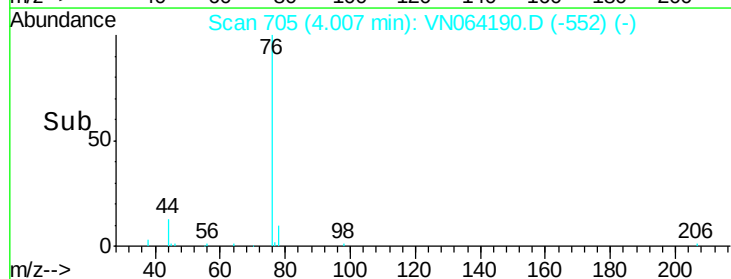
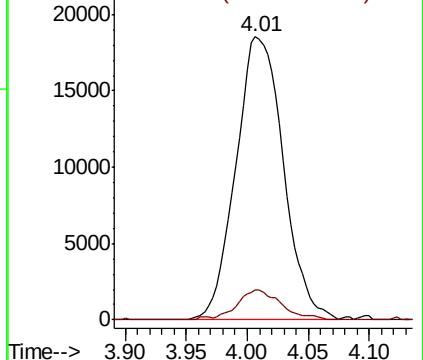
Ion Ratio Lower Upper

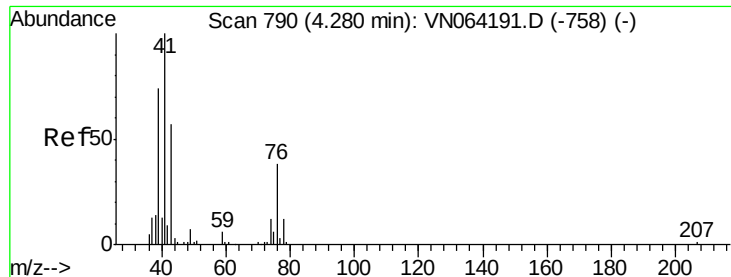
76 100

78 10.4 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VN064190.D (-552) (-)

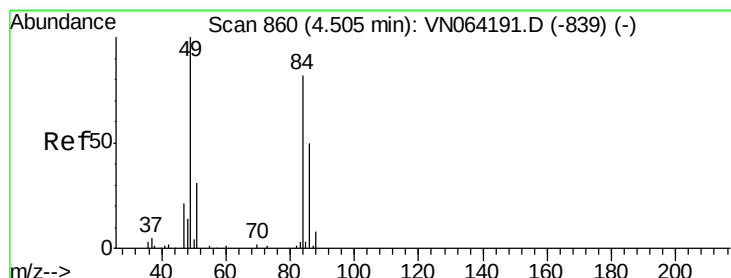
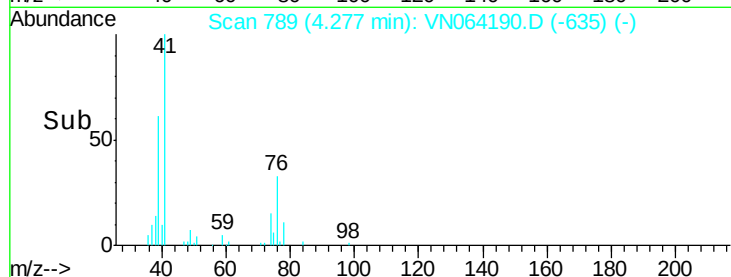
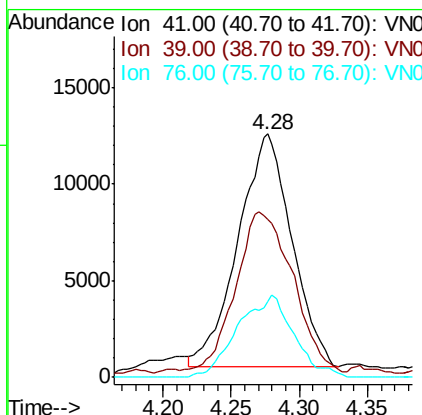
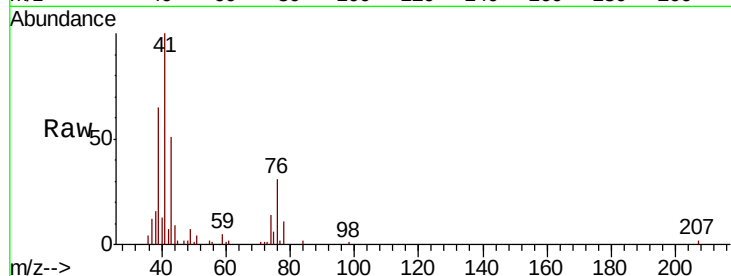




#17
Allvl chloride
Concen: 5.868 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

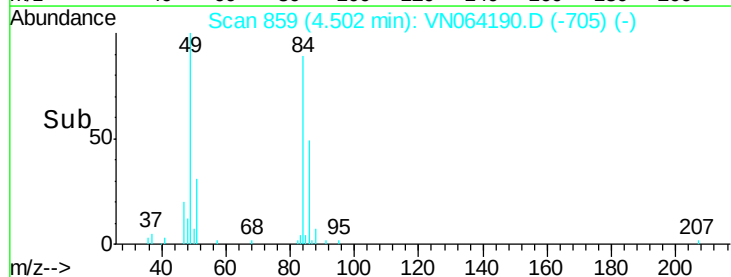
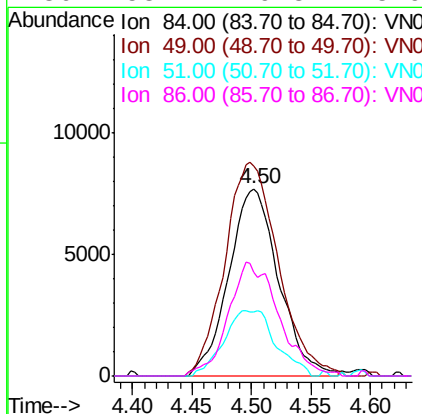
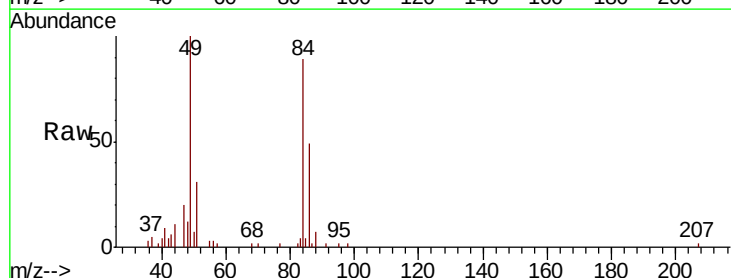
Instrument :
BNA_N
ClientSampleId :
VSTDIC005

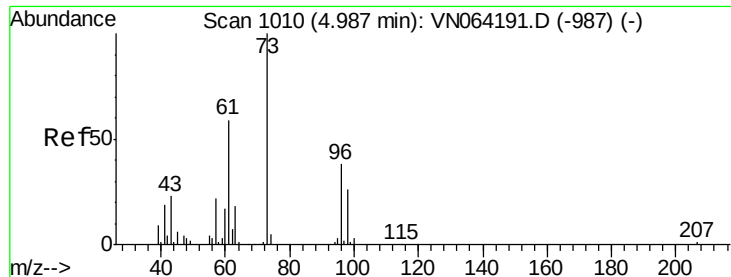
Tot Ion: 41 Resp: 32913
Ion Ratio Lower Upper
41 100
39 64.8 36.8 110.4
76 32.8 18.8 56.4



#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

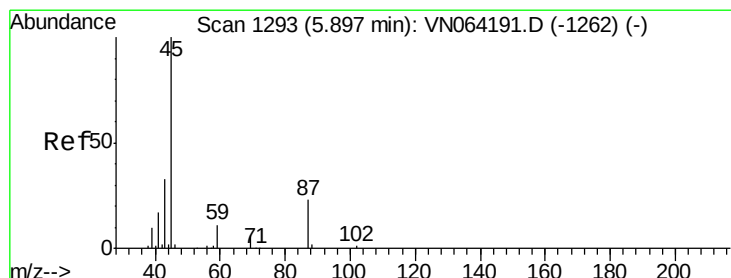
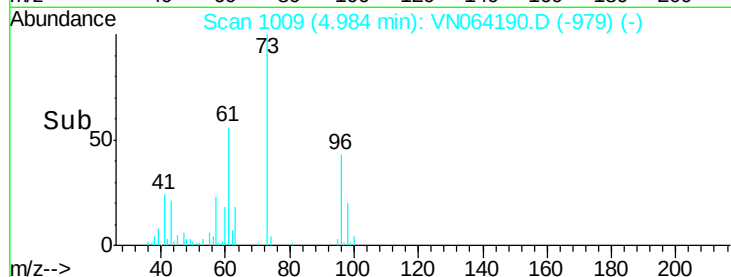
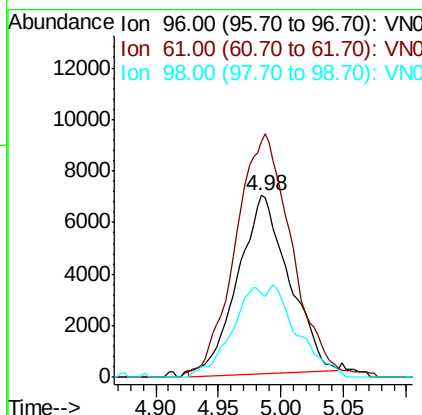
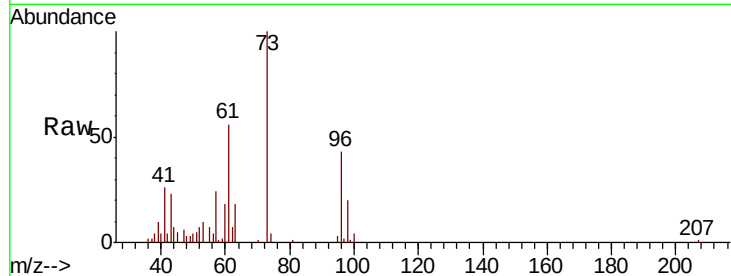




#19
trans-1,2-Dichloroethene
Concen: 5.737 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

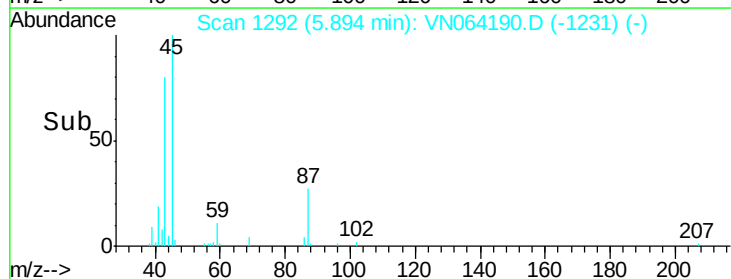
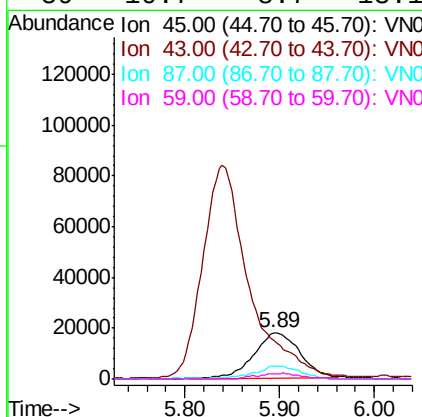
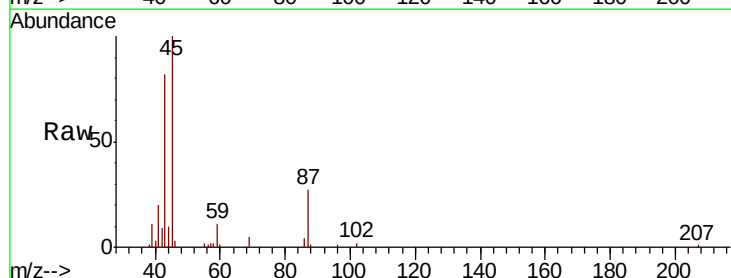
Instrument :
BNA_N
ClientSampleId :
VSTDIC005

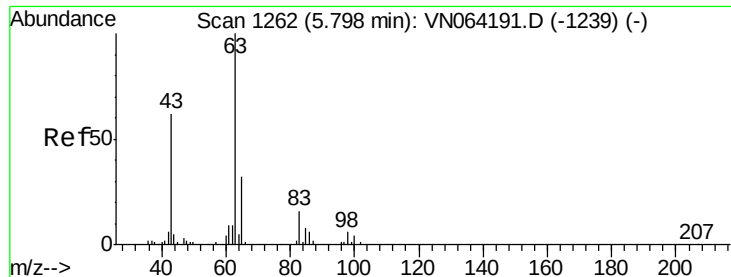
Tot Ion: 96 Resp: 19790
Ion Ratio Lower Upper
96 100
61 130.6 125.5 188.3
98 47.5 54.7 82.1#



#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 :

BNA_N

ClientSampleId :

VSTDIC005

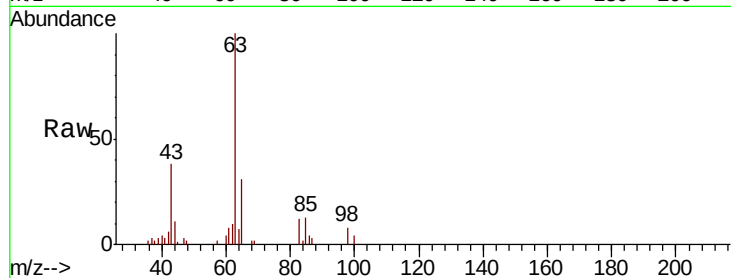
Tot Ion: 63 Resp: 38524

Ion Ratio Lower Upper

63 100

98 8.3 2.9 8.7

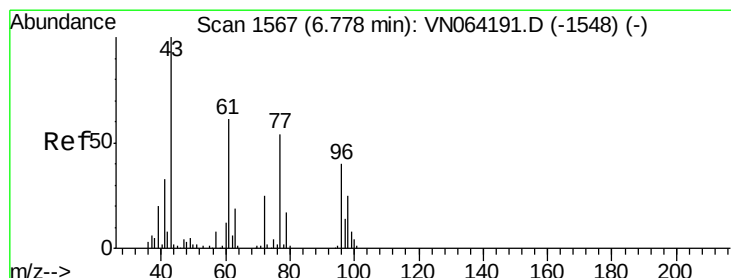
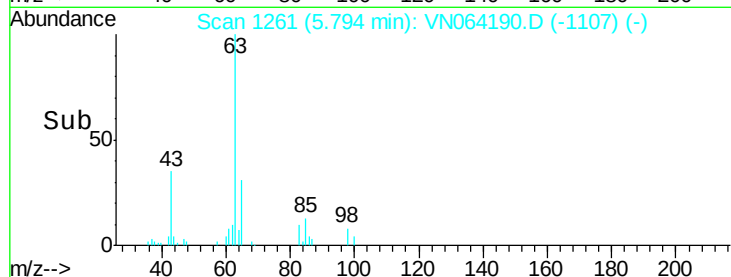
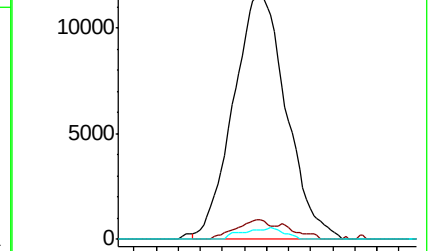
100 3.9 2.1 6.3



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

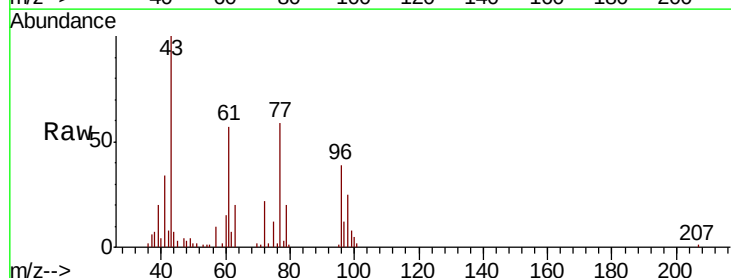
Tgt Ion: 96 Resp: 23486

Ion Ratio Lower Upper

96 100

61 149.7 126.2 189.4

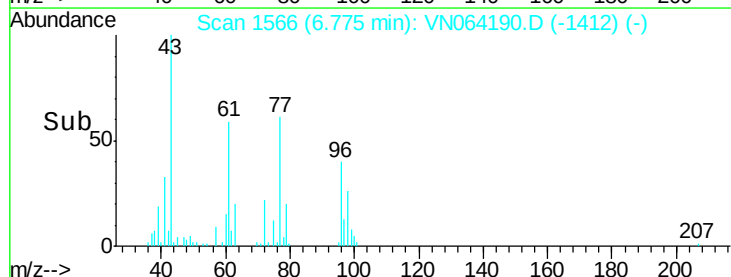
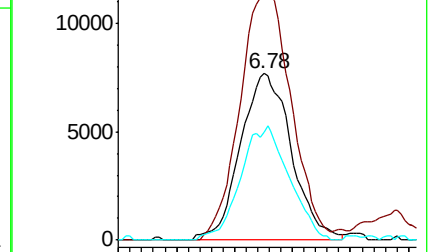
98 28.7 50.2 75.4#

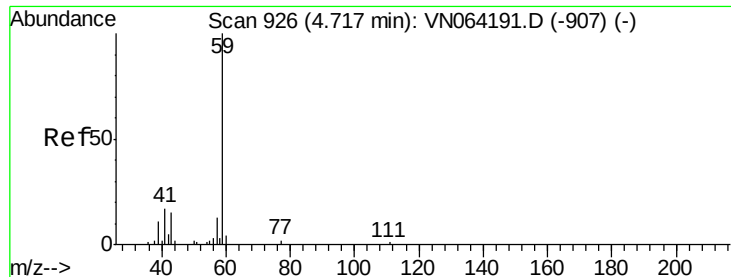


Abundance Ion 96.00 (95.70 to 96.70): VN064190.D (-1412) (-)

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 :

BNA_N

ClientSampleId :

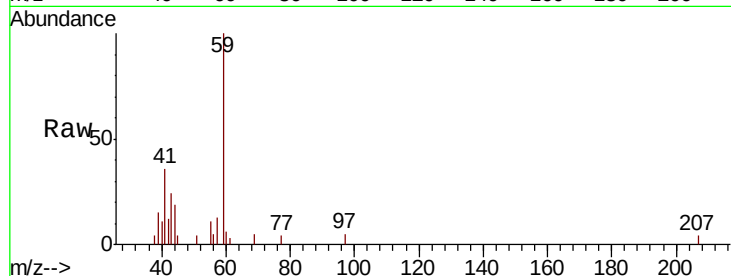
VSTDIC005

Tot Ion: 59 Resp: 6408

Ion Ratio Lower Upper

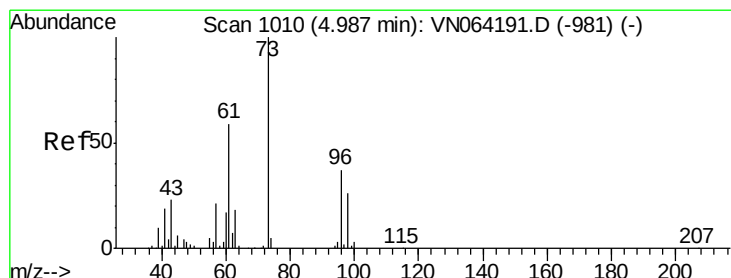
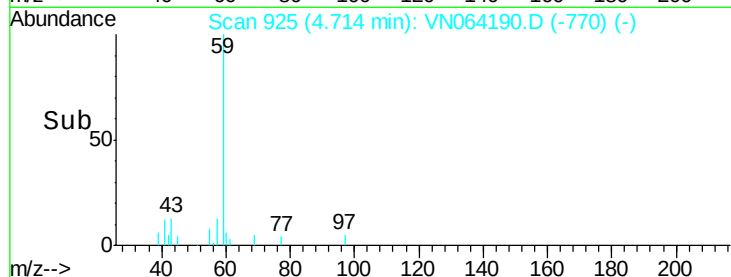
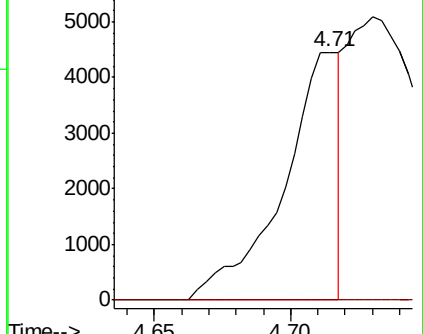
59 100

52 1.0 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VN064190.D (-907) (-)

Ion 52.00 (51.70 to 52.70): VN064190.D (-907) (-)



#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

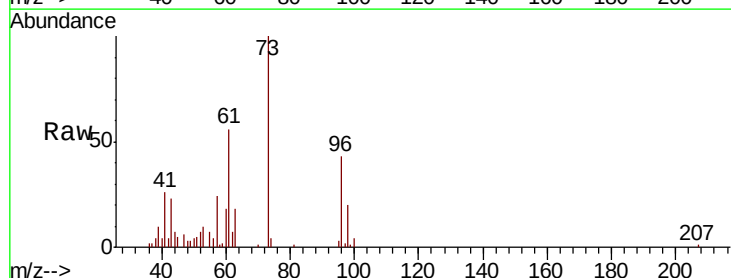
Acq: 20 Oct 2020 9:49

Tgt Ion: 73 Resp: 60079

Ion Ratio Lower Upper

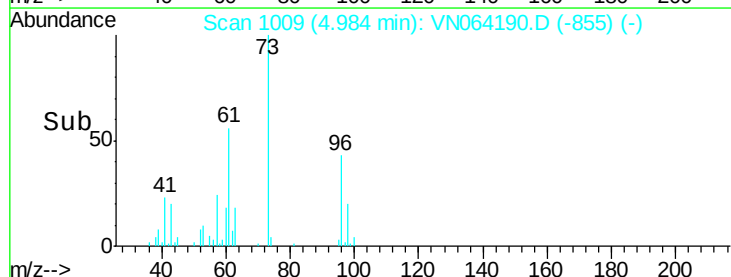
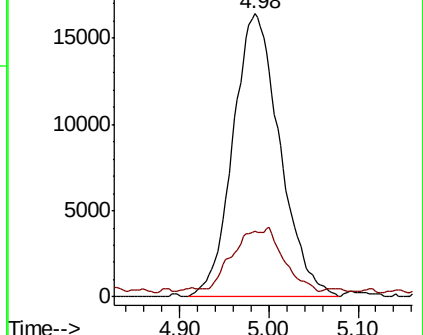
73 100

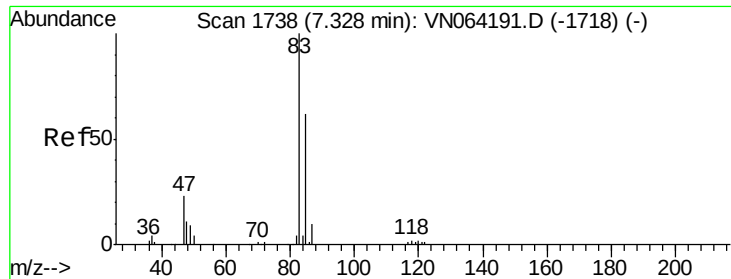
43 12.3 18.2 27.2#



Abundance Ion 73.00 (72.70 to 73.70): VN064190.D (-981) (-)

Ion 43.00 (42.70 to 43.70): VN064190.D (-981) (-)

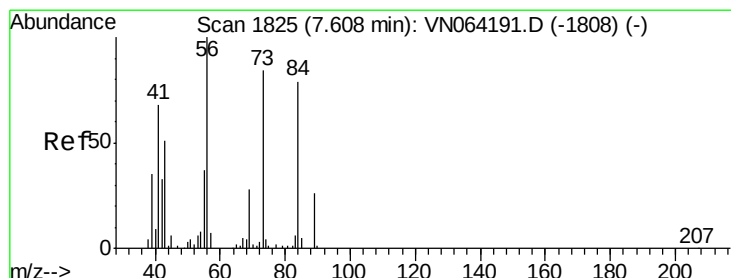
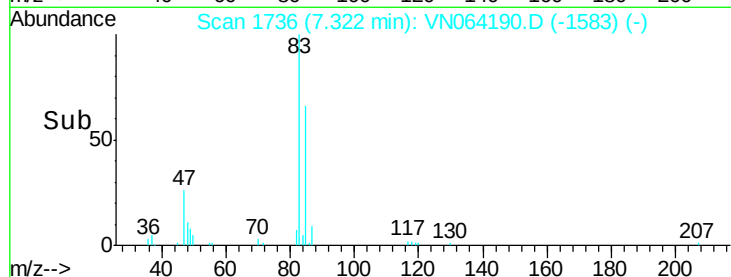
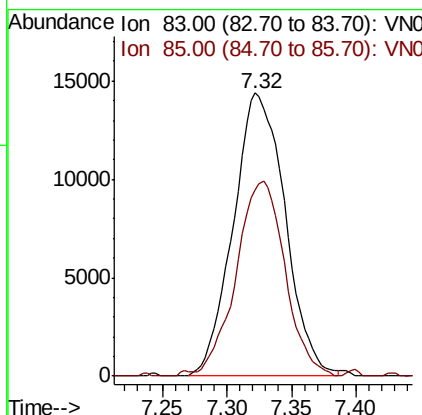
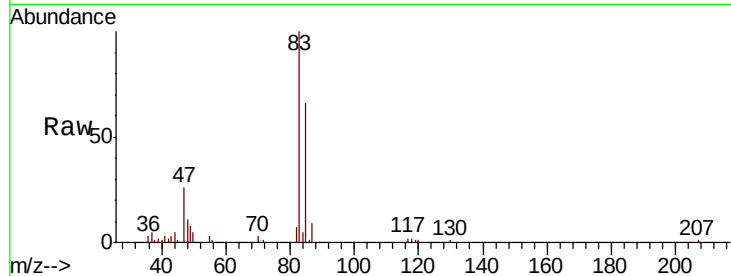




#25
Chloroform
Concen: 5.668 ug/l
RT: 7.32 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

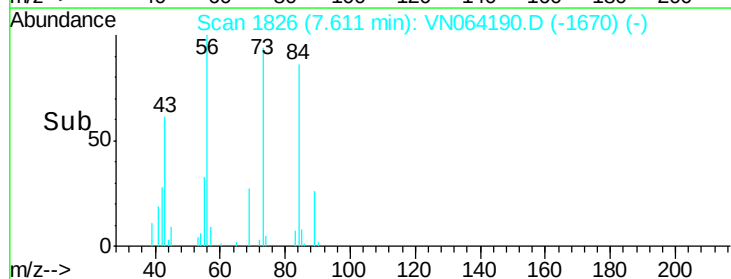
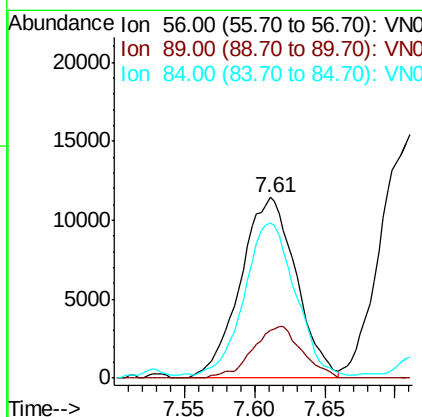
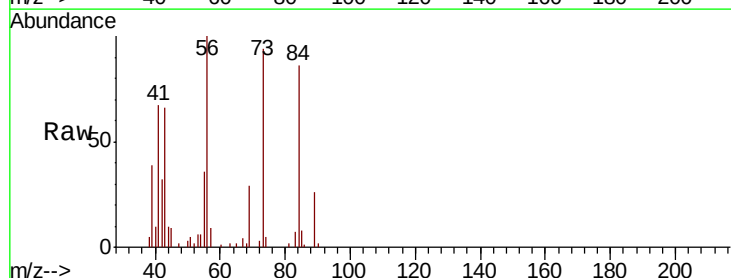
Instrument :
BNA_N
ClientSampleId :
VSTDIC005

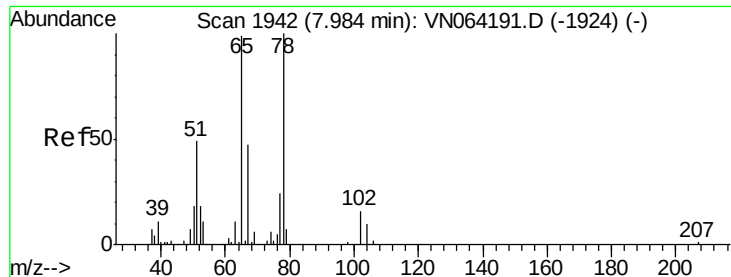
Tot Ion: 83 Resp: 40322
Ion Ratio Lower Upper
83 100
85 65.9 49.7 74.5



#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

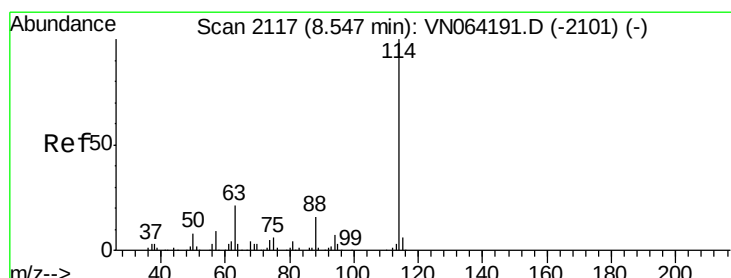
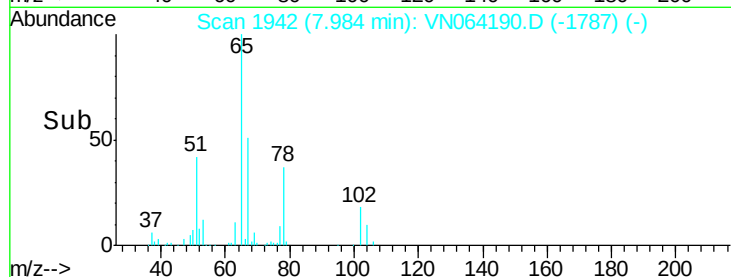
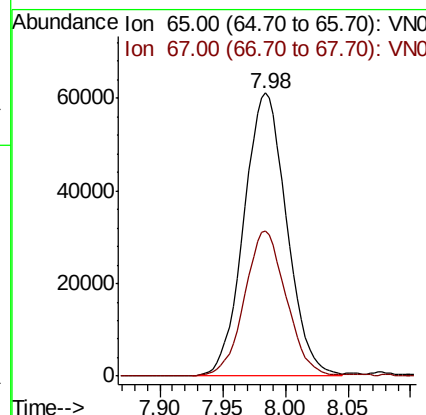
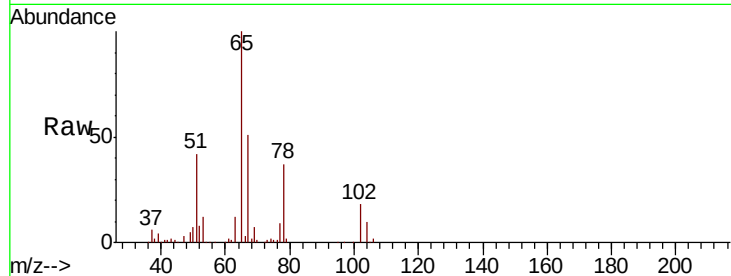




#27
 1,2-Dichloroethane-d4
 Concen: 28.214 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

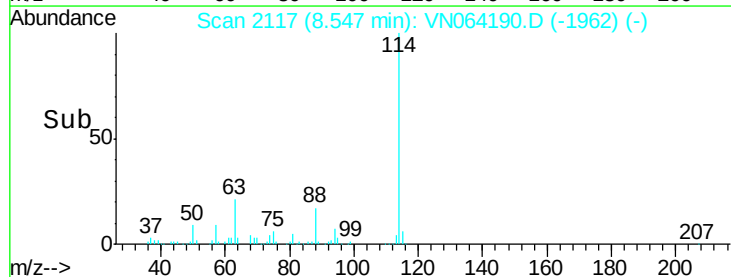
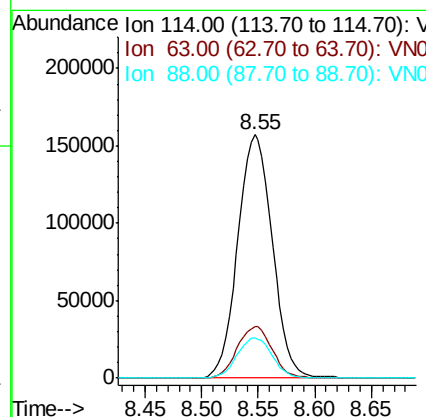
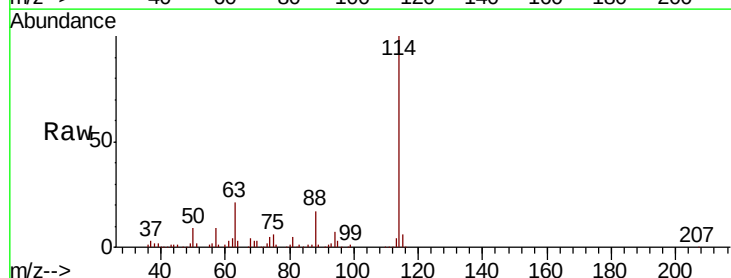
Instrument :
 BNA_N
 ClientSampleId :
 VSTDIC005

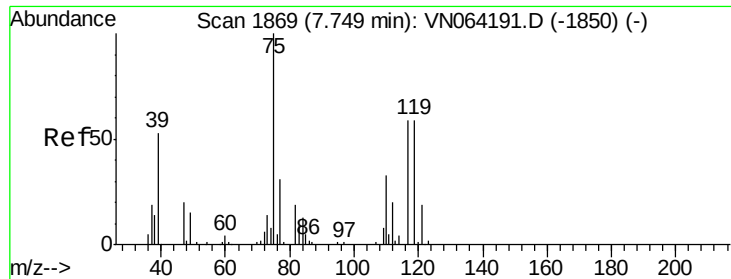
Tot Ion: 65 Resp: 145503
 Ion Ratio Lower Upper
 65 100
 67 50.0 39.8 59.6



#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 :

BNA_N

ClientSampleId :

VSTDIC005

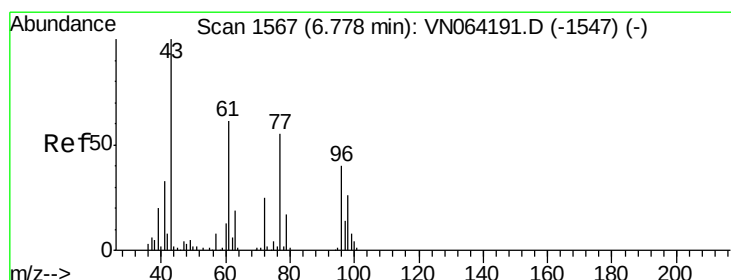
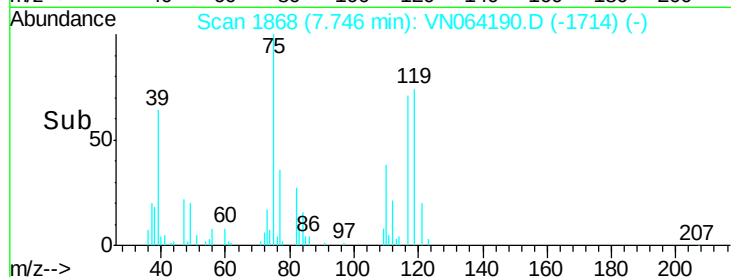
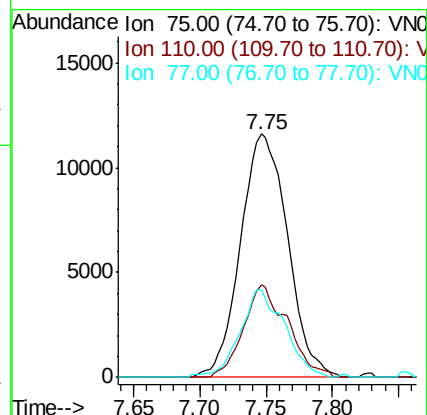
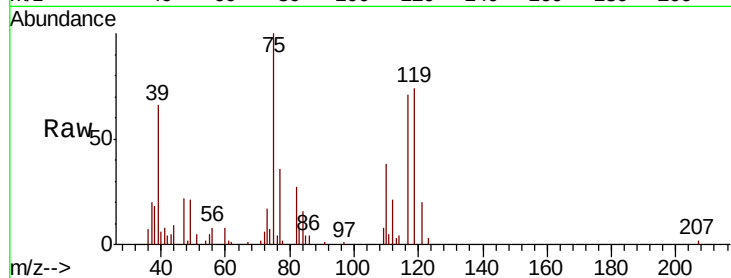
Tot Ion: 75 Resp: 28792

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

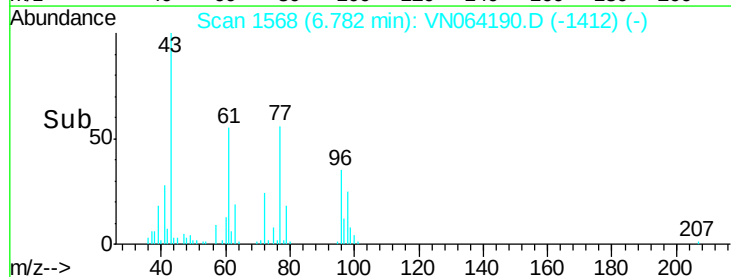
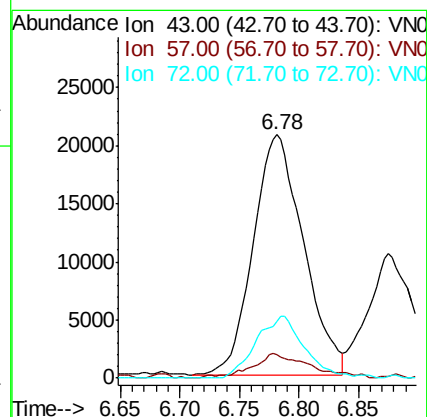
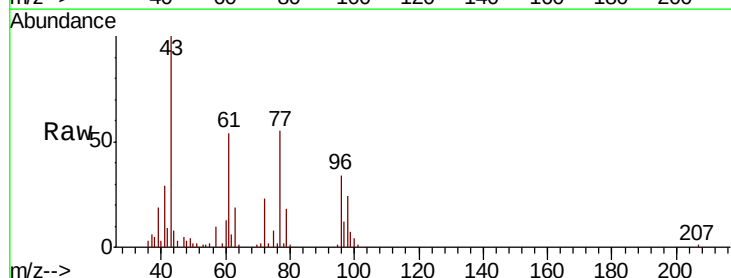
Tgt Ion: 43 Resp: 60615

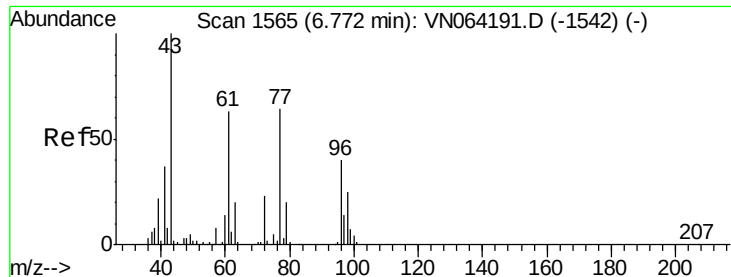
Ion Ratio Lower Upper

43 100

57 8.1 5.8 8.6

72 24.2 19.8 29.8

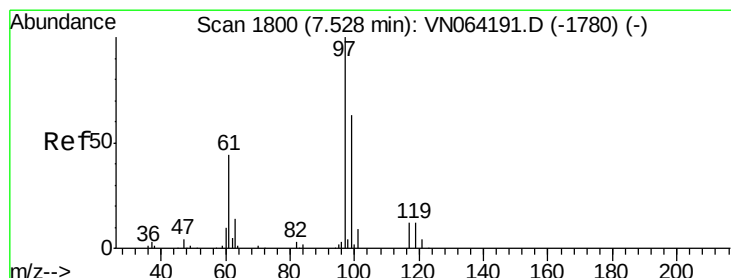
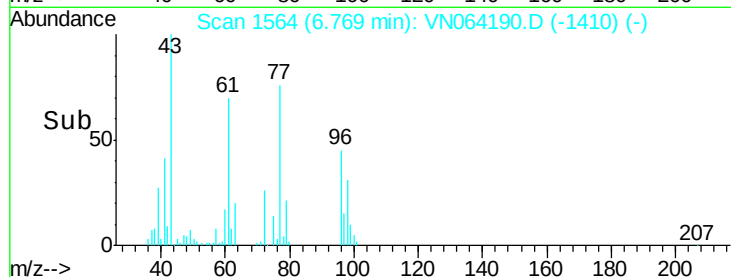
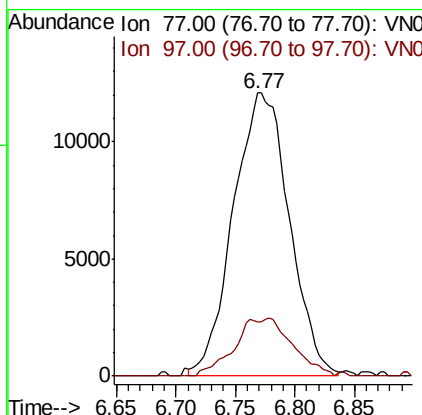
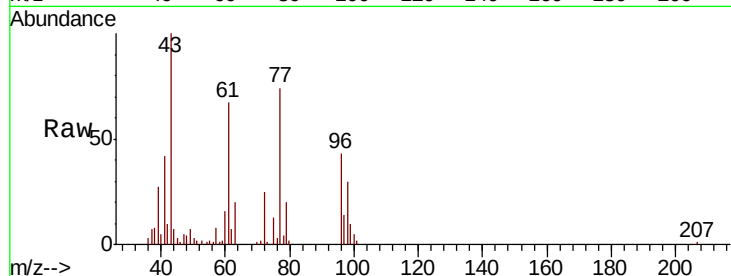




#31
 2,2-Dichloropropane
 Concen: 5.836 ug/l
 RT: 6.77 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

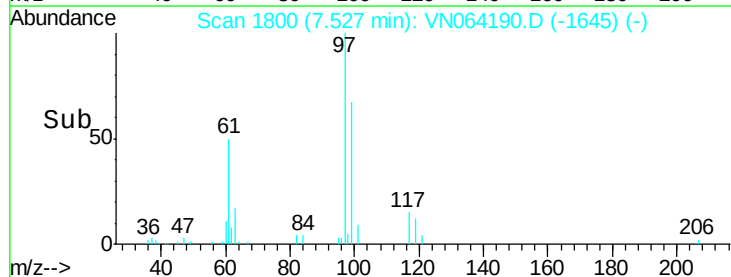
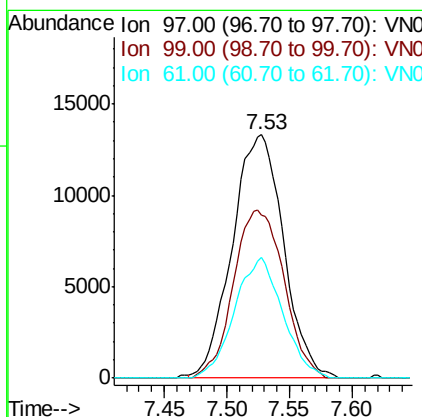
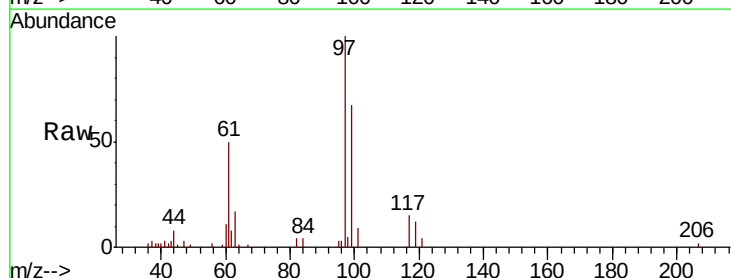
Instrument :
 BNA_N
 ClientSampleId :
 VSTDIC005

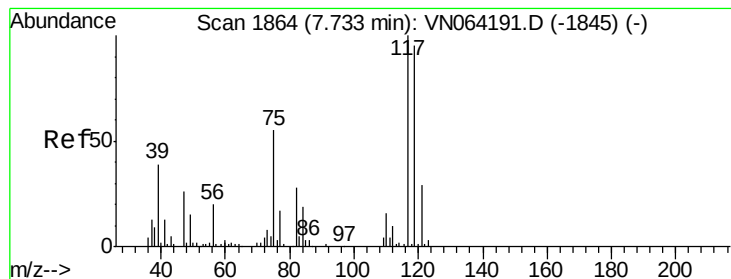
Tot Ion: 77 Resp: 39408
 Ion Ratio Lower Upper
 77 100
 97 9.2 17.3 25.9#



#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 :

BNA_N

ClientSampleId :

VSTDIC005

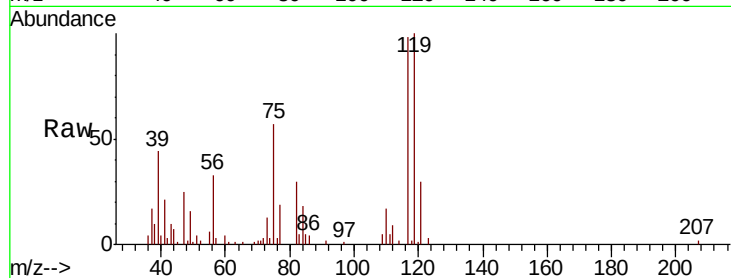
Tot Ion:117 Resp: 34823

Ion Ratio Lower Upper

117 100

119 102.2 76.0 114.0

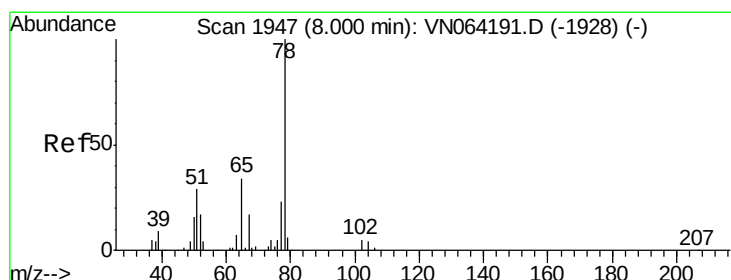
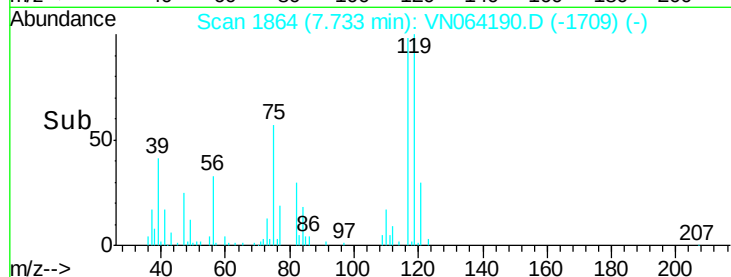
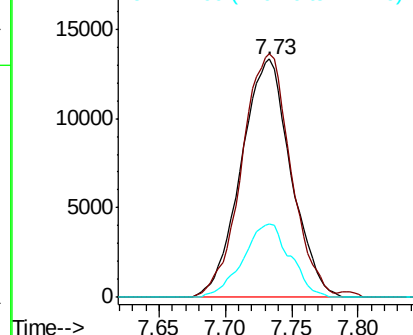
121 30.6 23.0 34.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 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

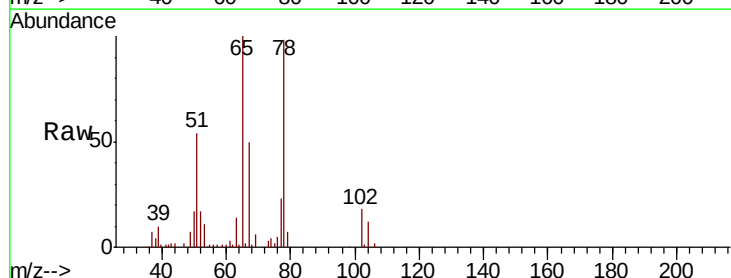
Tgt Ion: 78 Resp: 80544

Ion Ratio Lower Upper

78 100

77 23.1 18.4 27.6

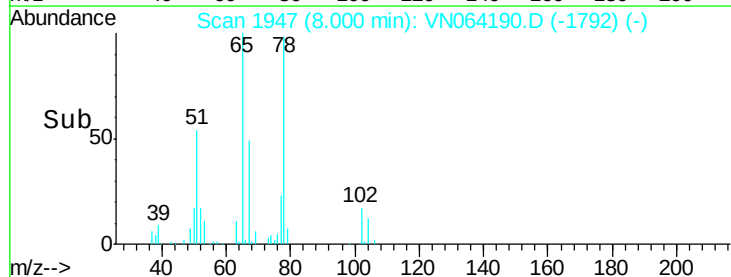
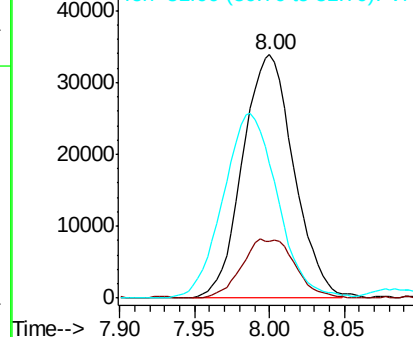
51 54.1 23.0 34.6#

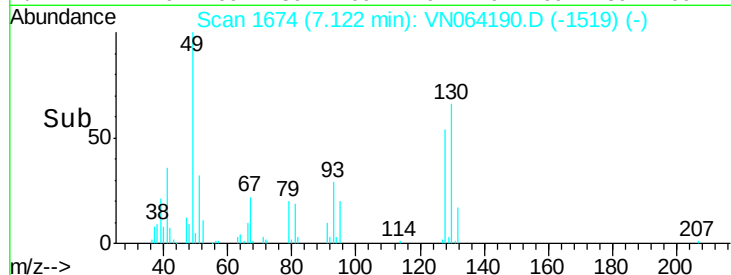
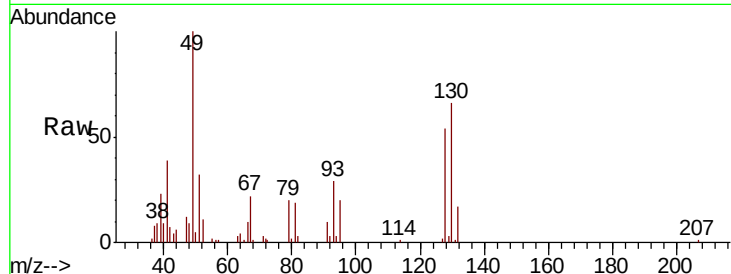
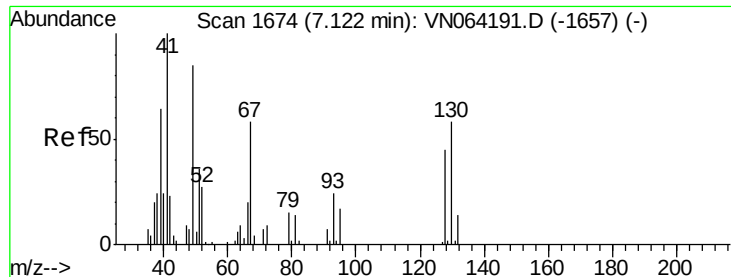


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

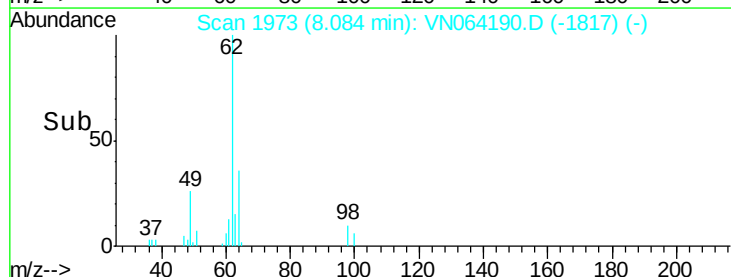
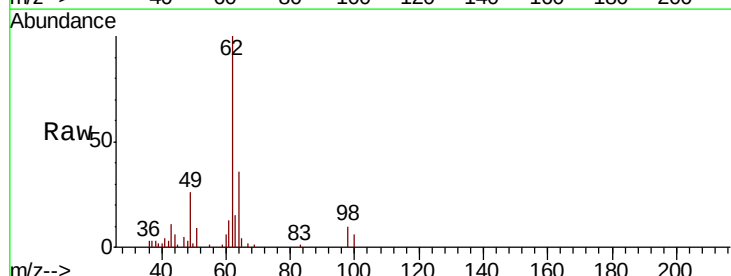
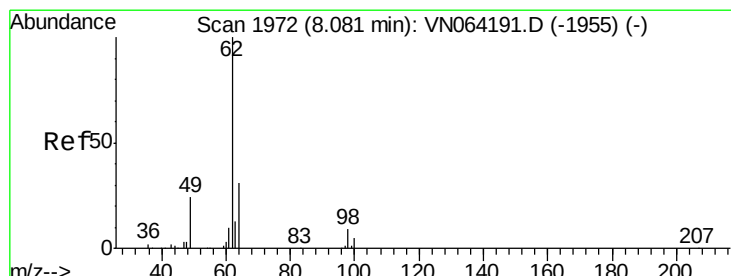
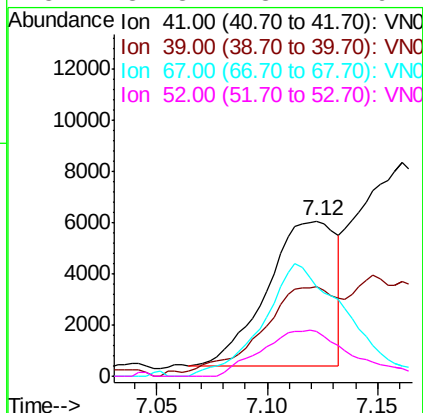




#35
Methacrylonitrile
Concen: 4.667 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

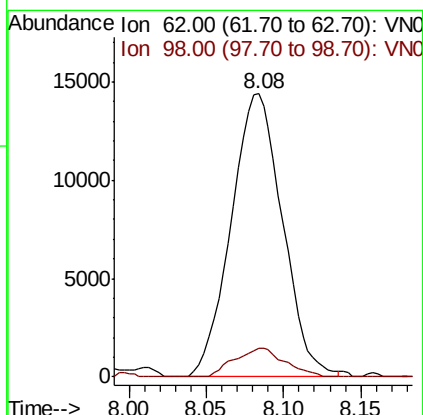
Instrument :
BNA_N
ClientSampleId :
VSTDIC005

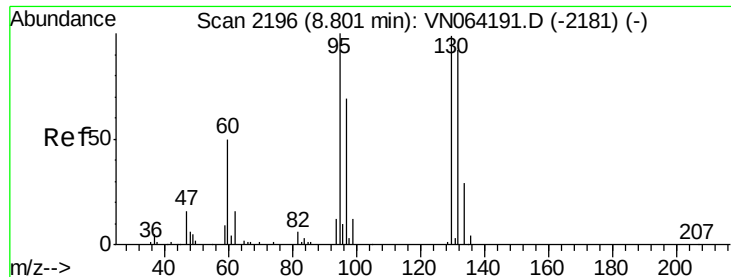
Tot Ion:	41	Resp:	12186
Ion	Ratio	Lower	Upper
41	100		
39	58.9	32.1	96.3
67	61.8	28.9	86.8
52	31.3	13.4	40.2



#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#





#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 :

BNA_N

ClientSampleId :

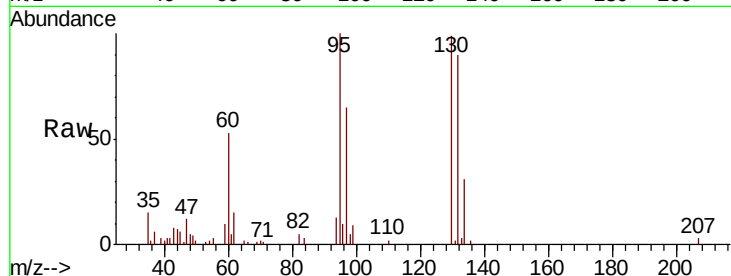
VSTDIC005

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): VN064190.D (-2041) (-)

Ion 94.90 (94.60 to 95.60): VN064190.D (-2041) (-)

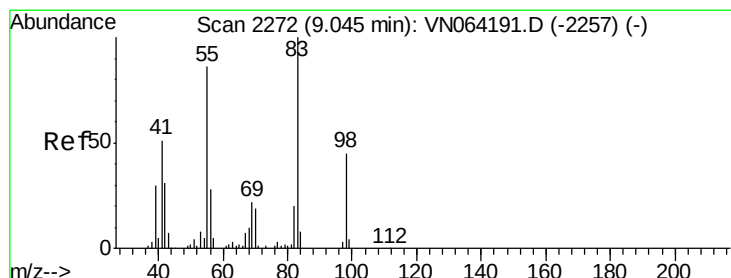
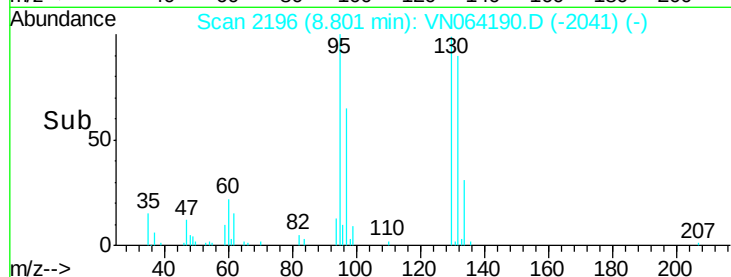
8.80

10000

5000

0

Time-->



#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

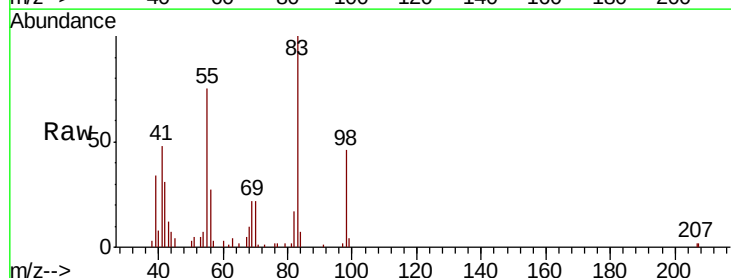
Tgt Ion: 83 Resp: 29526

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): VN064190.D (-2117) (-)

Ion 55.00 (54.70 to 55.70): VN064190.D (-2117) (-)

Ion 98.00 (97.70 to 98.70): VN064190.D (-2117) (-)

9.05

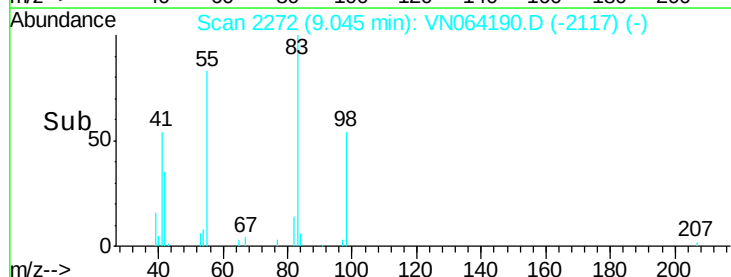
15000

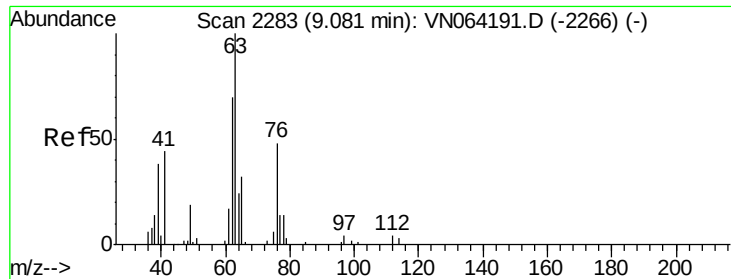
10000

5000

0

Time-->





#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 :

BNA_N

ClientSampleId :

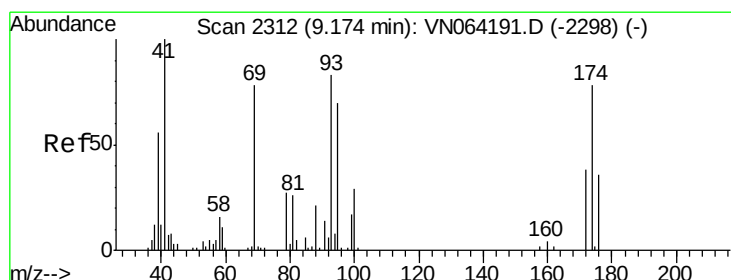
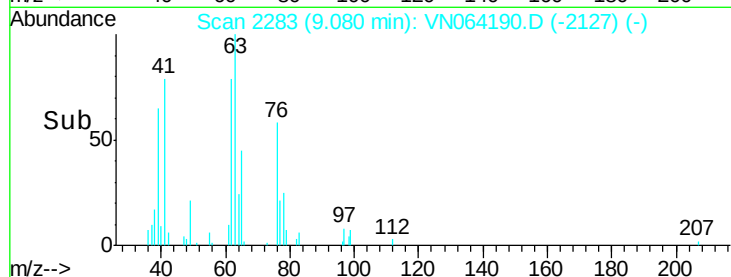
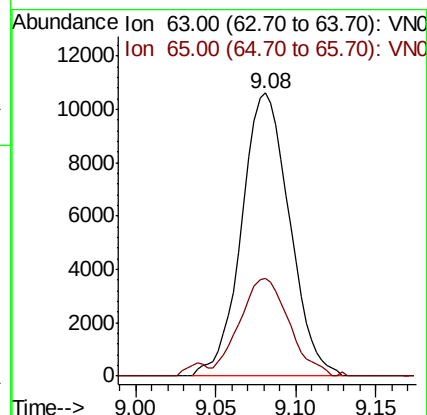
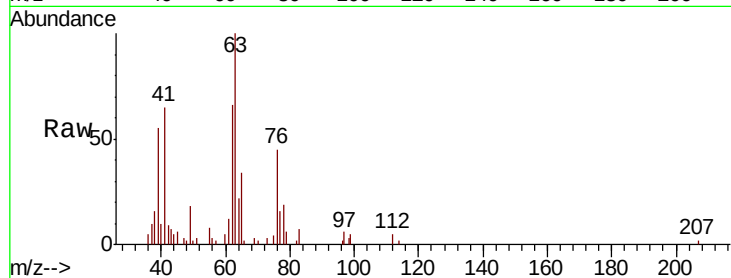
VSTDIC005

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

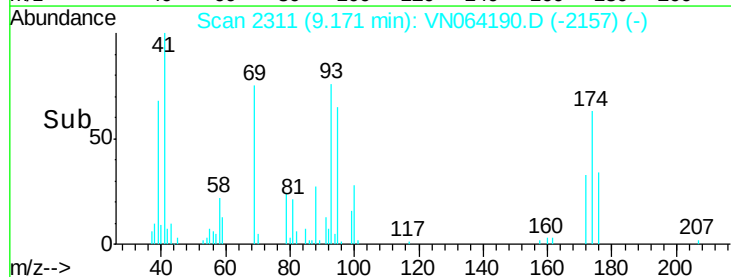
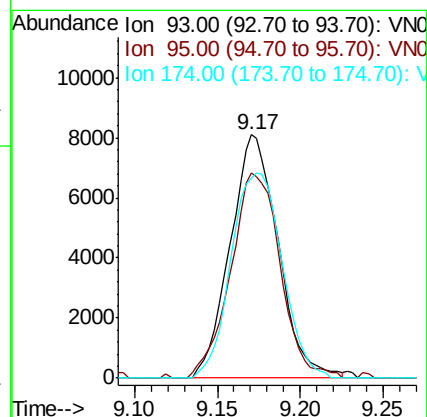
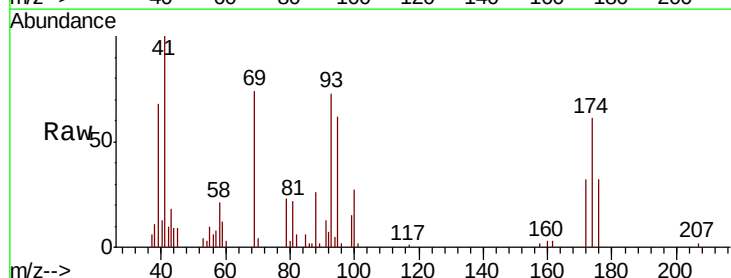
Tgt Ion: 93 Resp: 16338

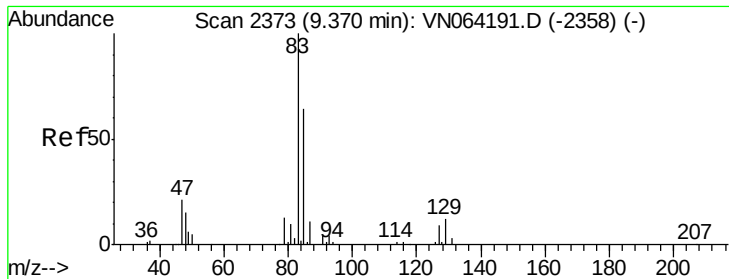
Ion Ratio Lower Upper

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 :

BNA_N

ClientSampleId :

VSTDIC005

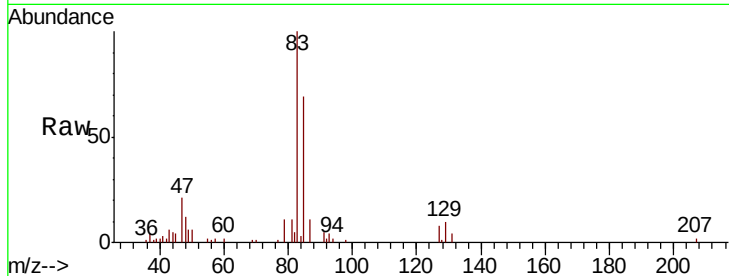
Tot Ion: 83 Resp: 33626

Ion Ratio Lower Upper

83 100

85 69.0 51.5 77.3

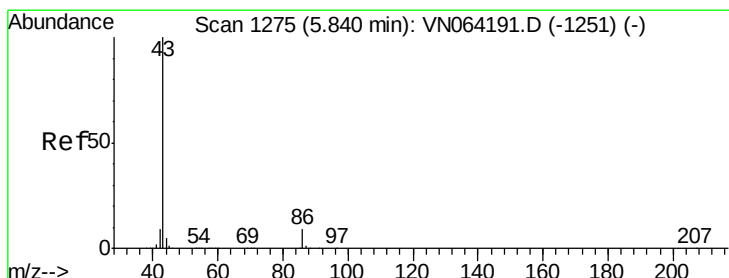
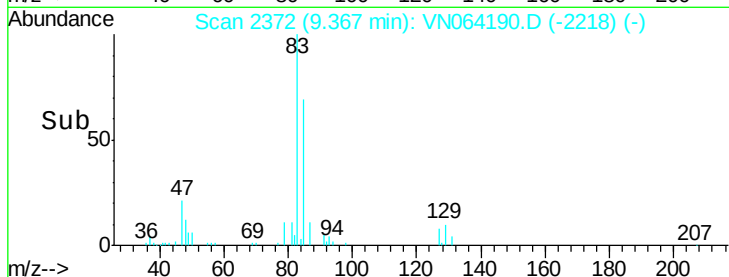
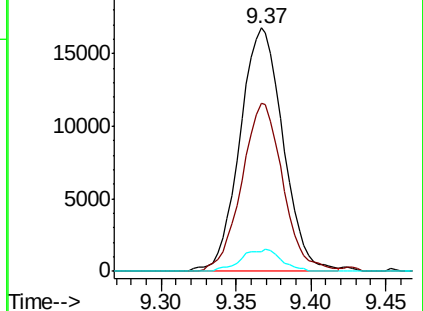
127 9.4 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VN064190.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN064190.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN064190.D (-2358) (-)



#42

Vinyl Acetate

Concen: 25.387 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN064190.D

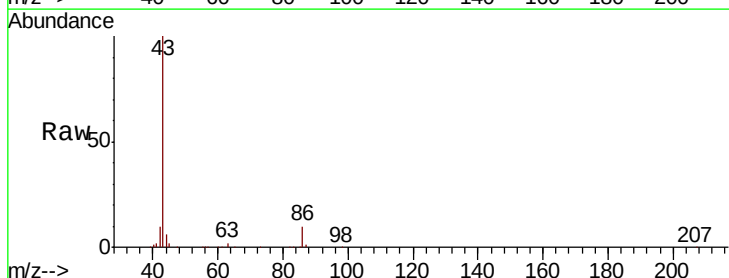
Acq: 20 Oct 2020 9:49

Tgt Ion: 43 Resp: 286964

Ion Ratio Lower Upper

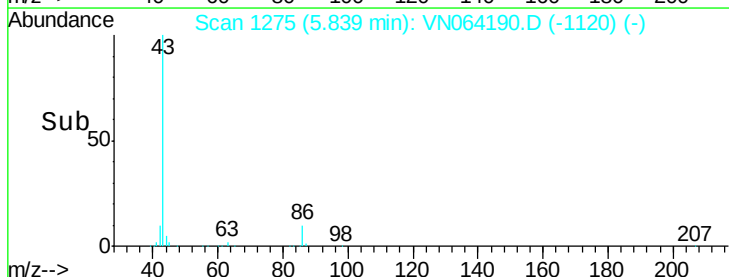
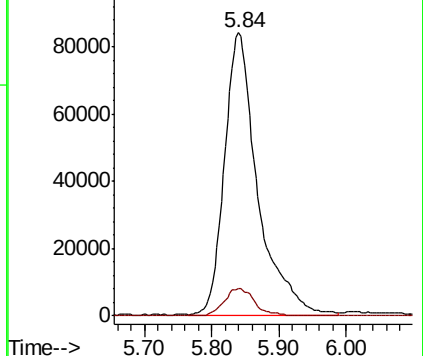
43 100

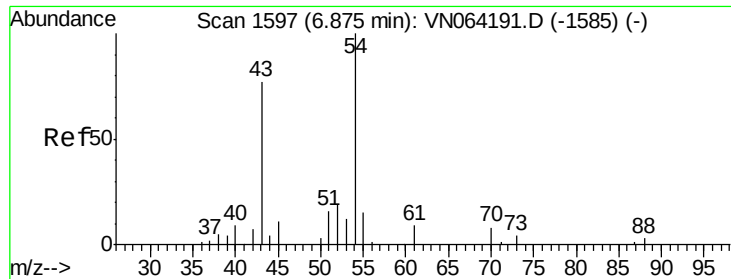
86 8.8 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VN064190.D (-1120) (-)

Ion 86.00 (85.70 to 86.70): VN064190.D (-1120) (-)





#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 :

BNA_N

ClientSampleId :

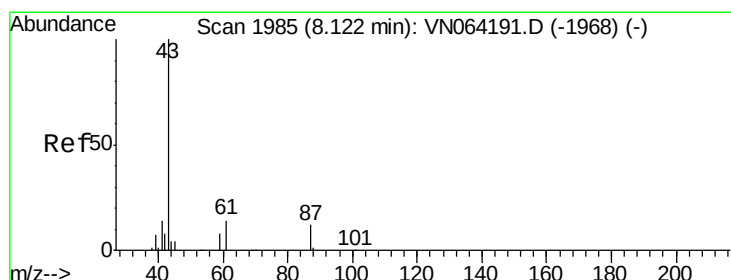
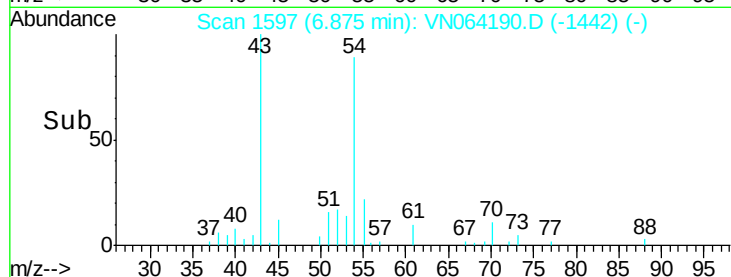
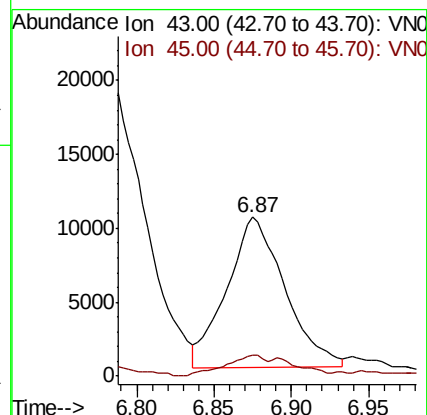
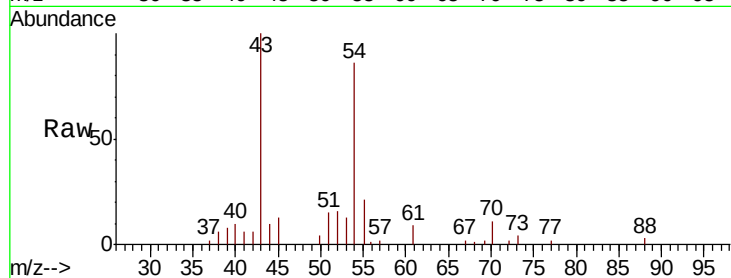
VSTDIC005

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

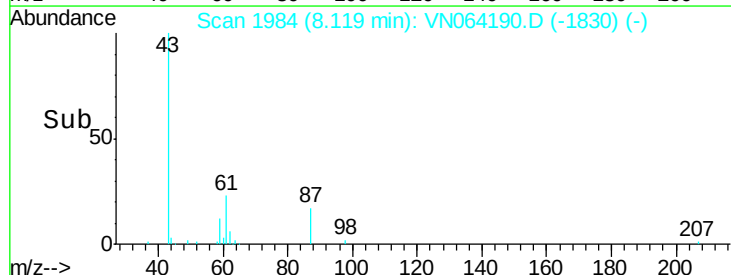
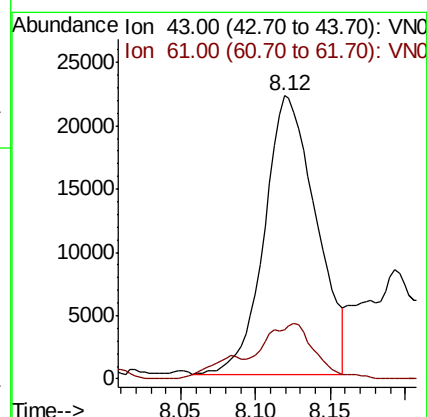
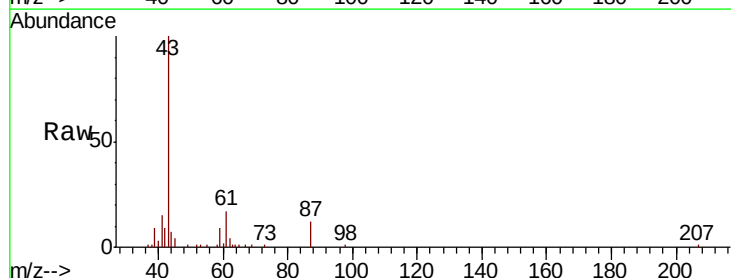
Acq: 20 Oct 2020 9:49

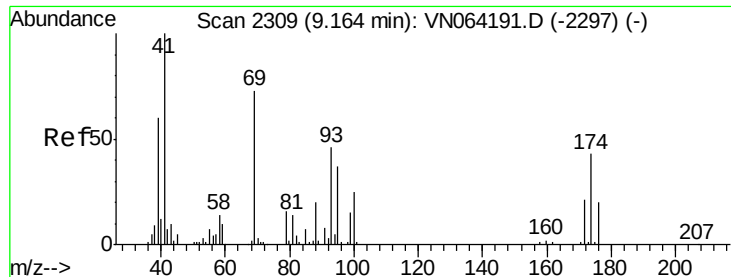
Tgt Ion: 43 Resp: 52750

Ion Ratio Lower Upper

43 100

61 16.9 18.7 28.1#

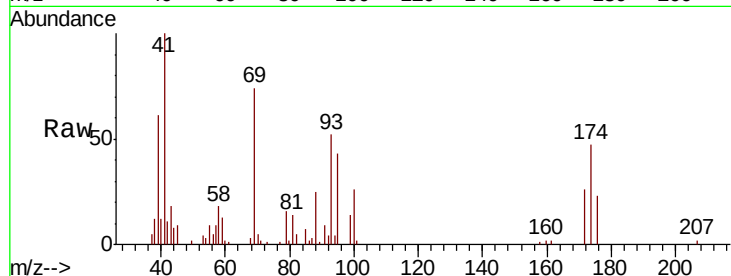




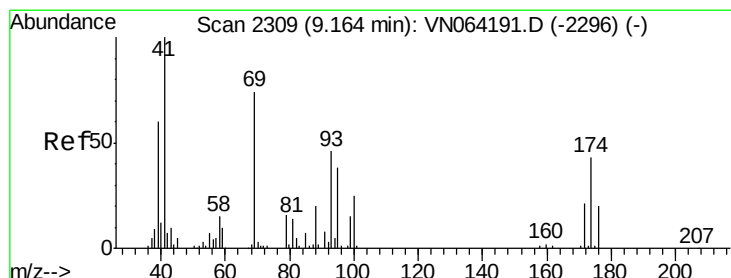
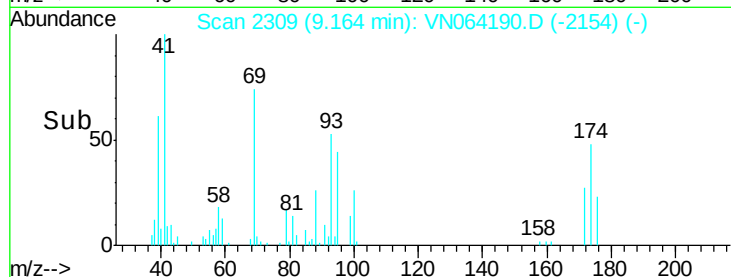
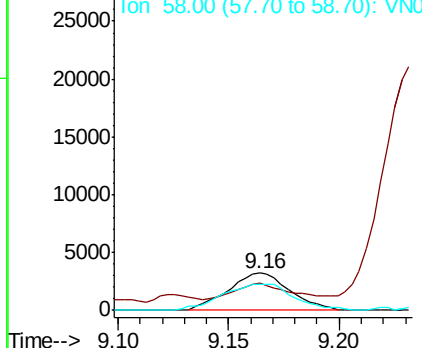
#45
1,4-Dioxane
Concen: 102.964 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Instrument :
BNA_N
ClientSampleId :
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

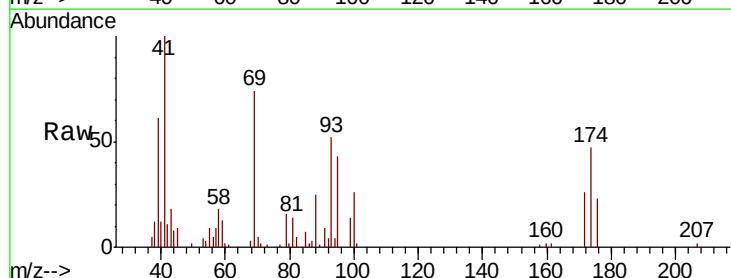


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

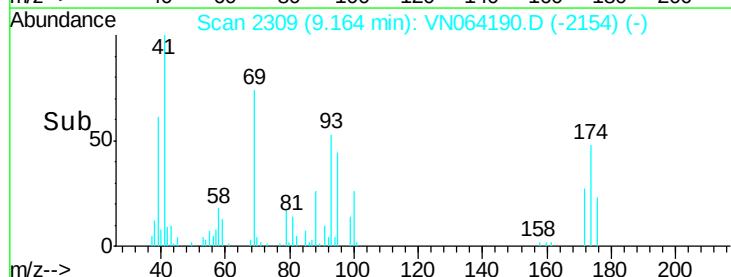
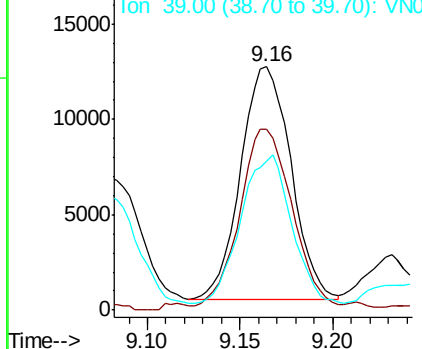


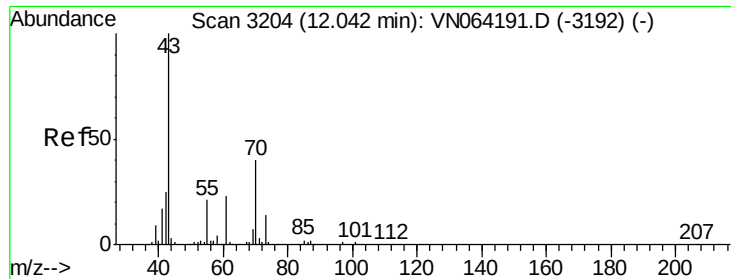
#46
Methyl methacrylate
Concen: 4.826 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

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 :

BNA_N

ClientSampleId :

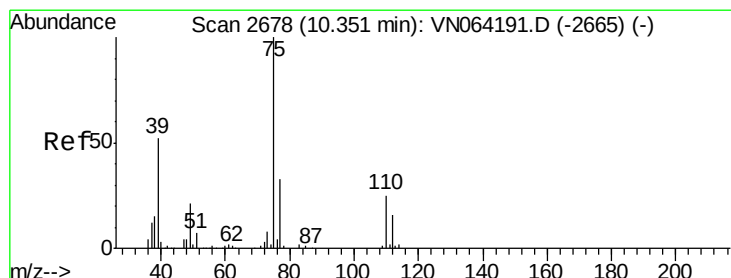
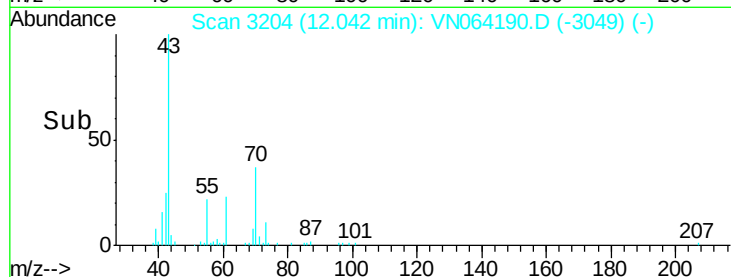
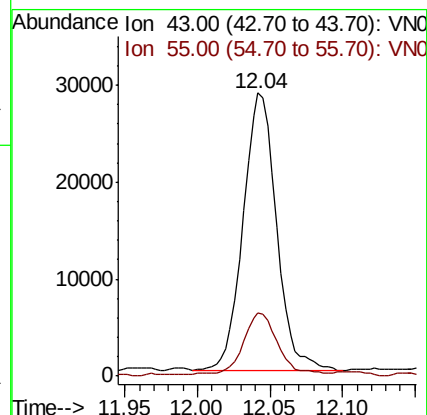
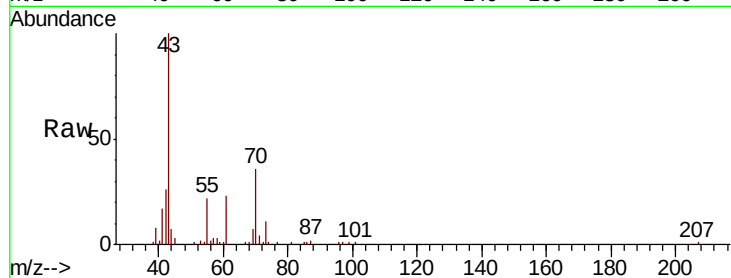
VSTDIC005

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

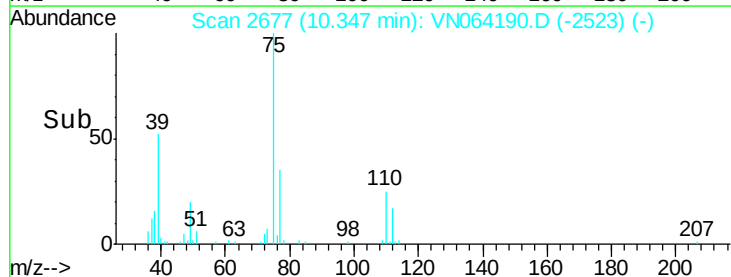
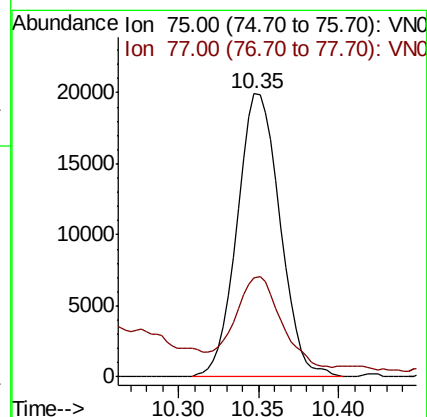
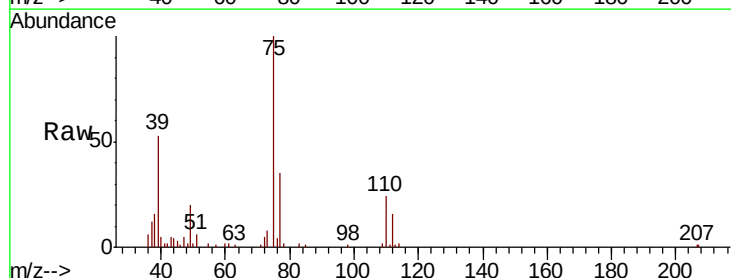
Acq: 20 Oct 2020 9:49

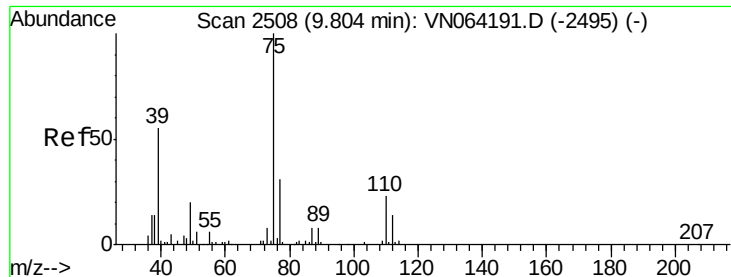
Tgt Ion: 75 Resp: 36420

Ion Ratio Lower Upper

75 100

77 31.2 27.4 41.2



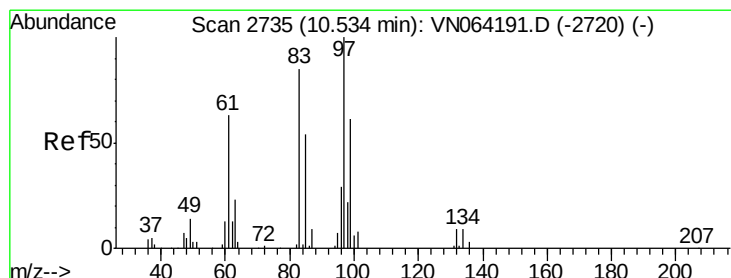
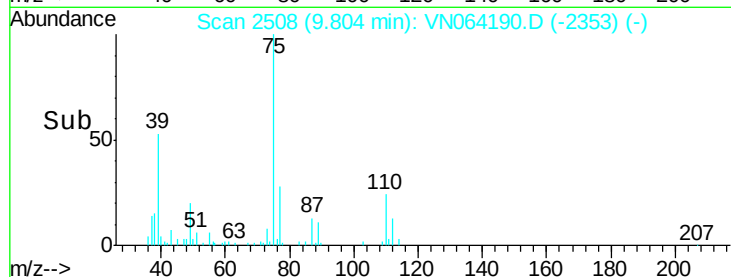
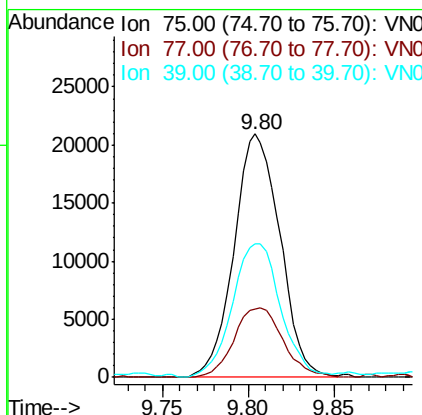
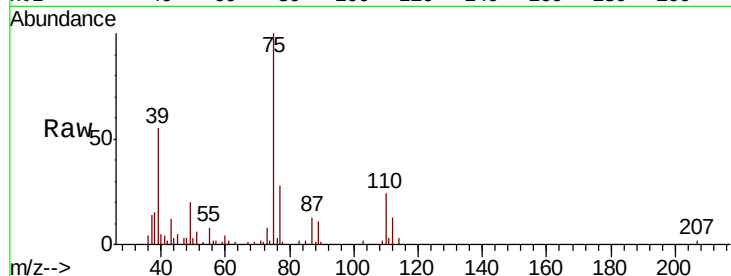


#49

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 :
BNA_N
ClientSampleId :
VSTDIC005

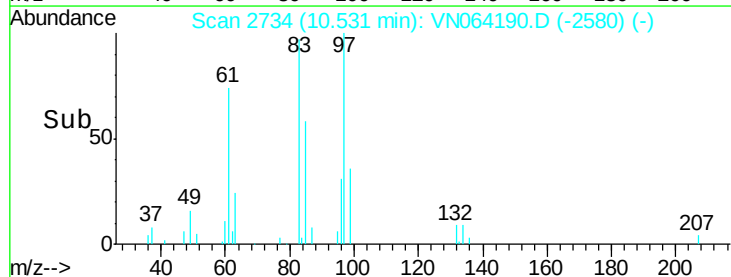
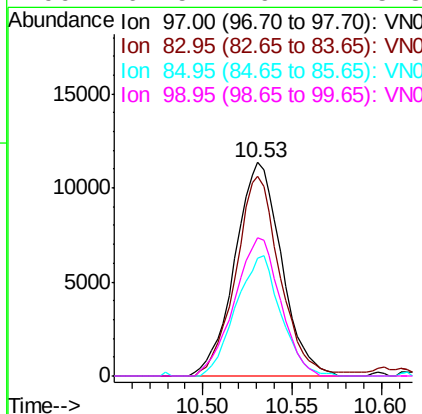
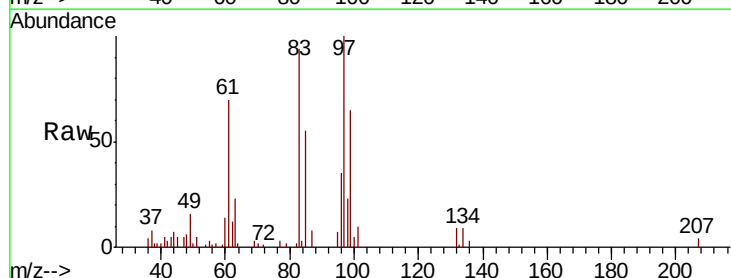
Tot Ion	75	Resp	38788
Ion Ratio	Lower	Upper	
75	100		
77	28.0	24.5	36.7
39	54.8	43.8	65.8

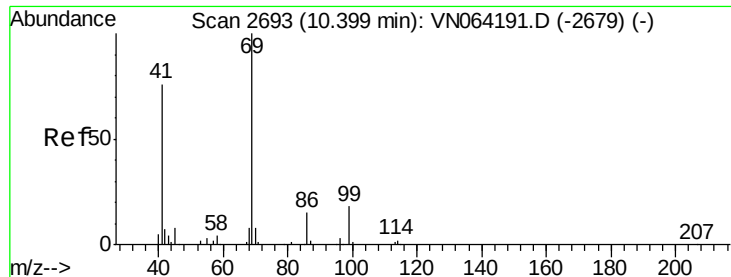


#50

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





#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 :

BNA_N

ClientSampleId :

VSTDIC005

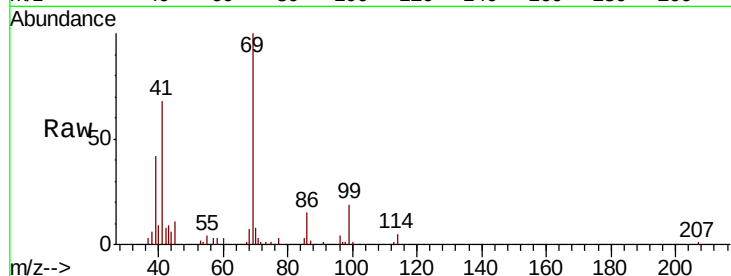
Tot Ion: 69 Resp: 33122

Ion Ratio Lower Upper

69 100

41 66.0 38.0 114.1

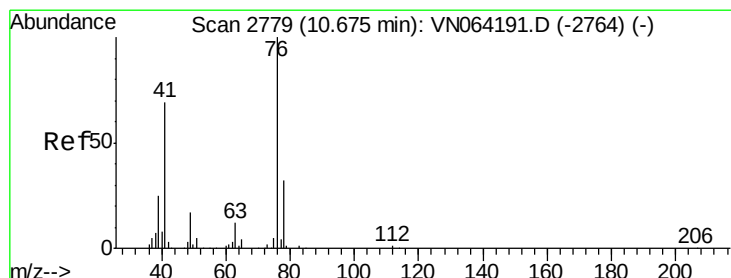
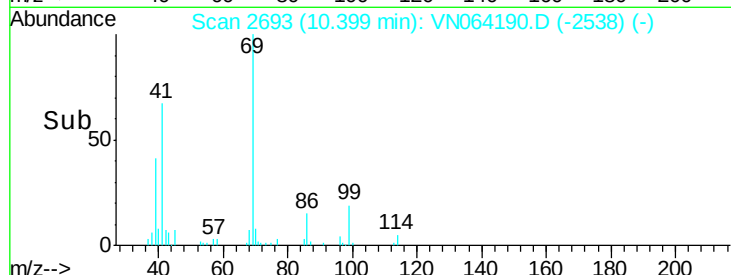
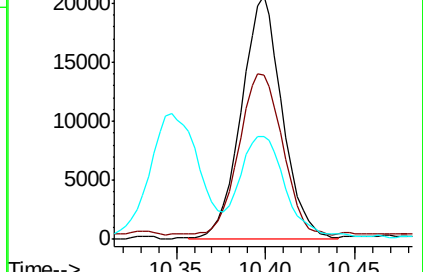
39 40.3 21.4 64.3



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

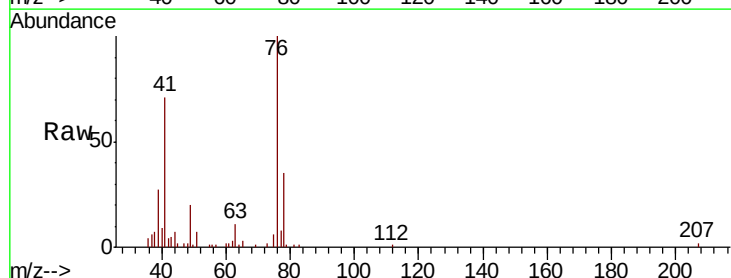
Acq: 20 Oct 2020 9:49

Tgt Ion: 76 Resp: 35982

Ion Ratio Lower Upper

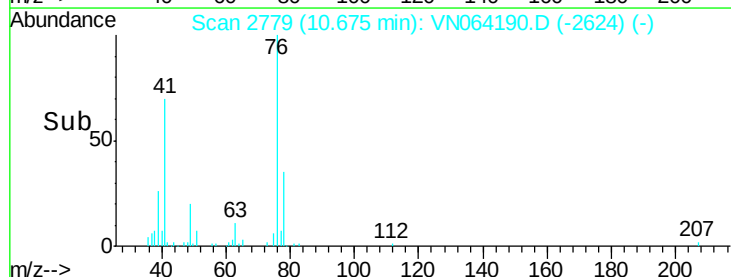
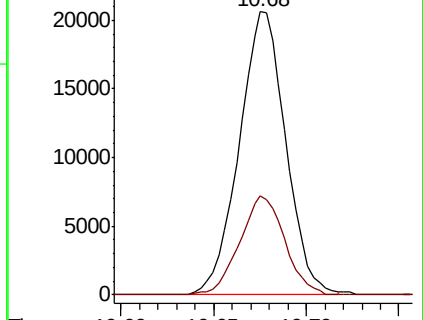
76 100

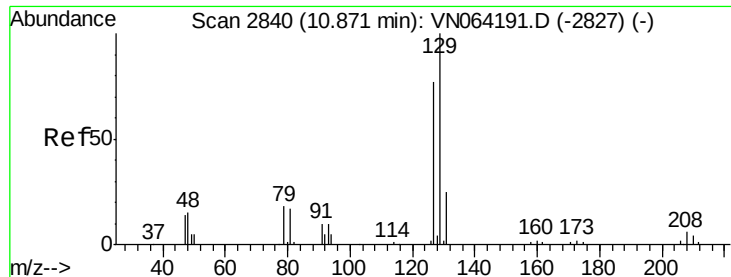
78 33.8 0.0 64.4



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

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

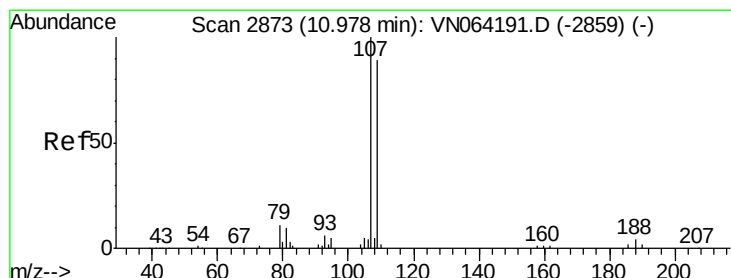
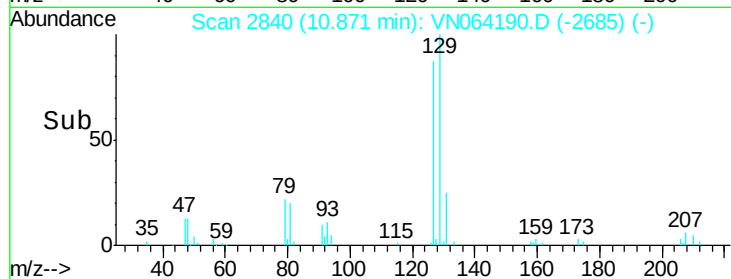
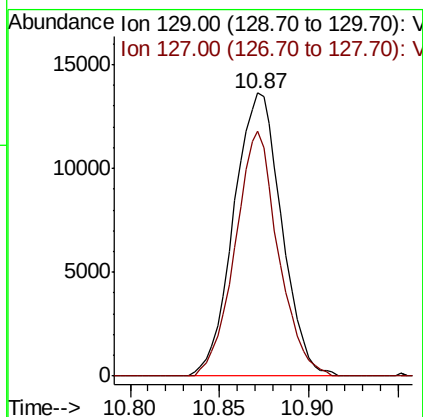
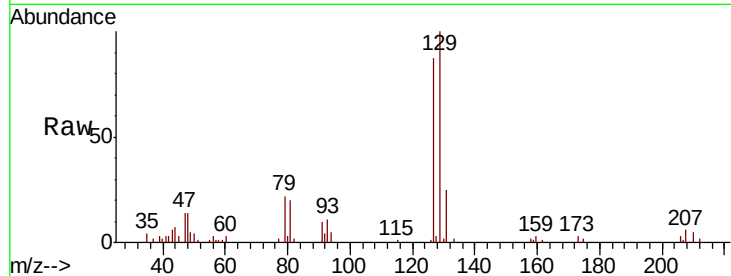




#53
 Dibromochloromethane
 Concen: 5.469 ug/l
 RT: 10.87 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

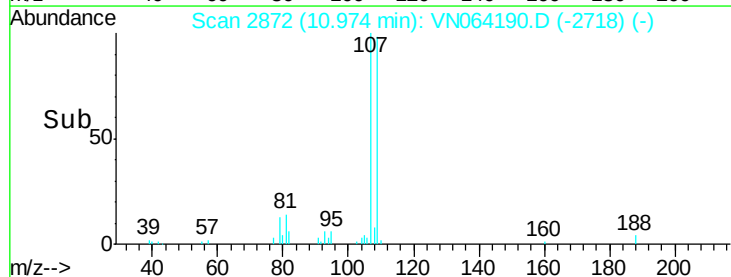
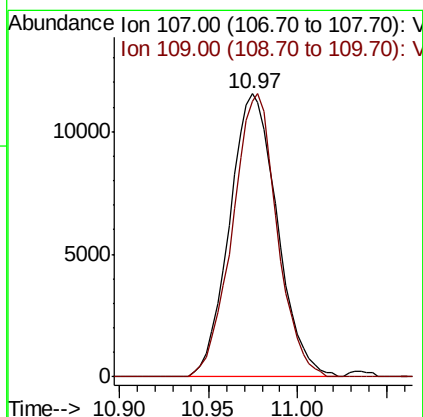
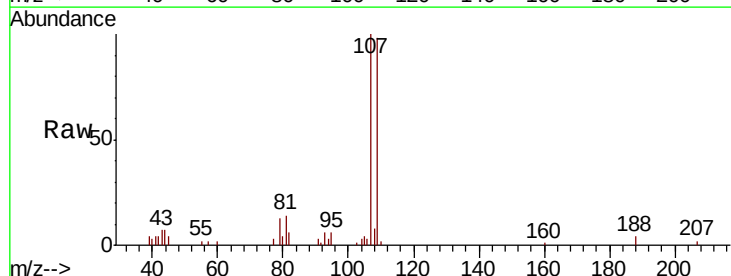
Instrument :
 BNA_N
 ClientSampleId :
 VSTDIC005

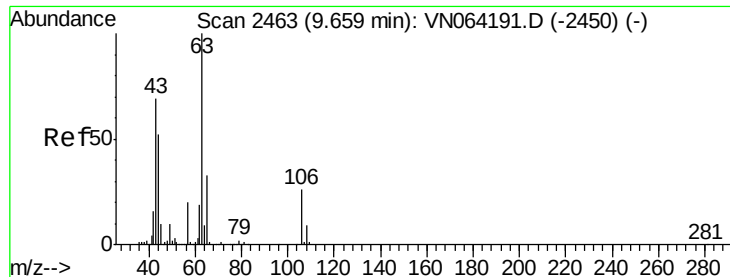
Tot Ion:129 Resp: 25492
 Ion Ratio Lower Upper
 129 100
 127 78.2 39.0 117.0



#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

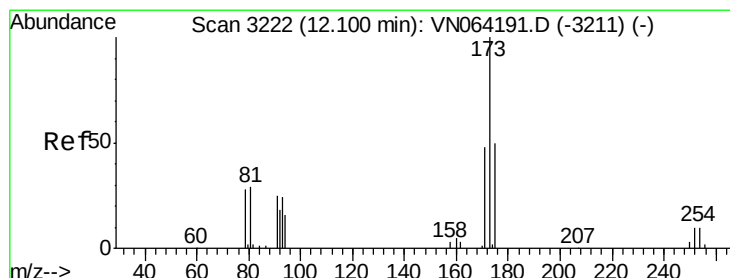
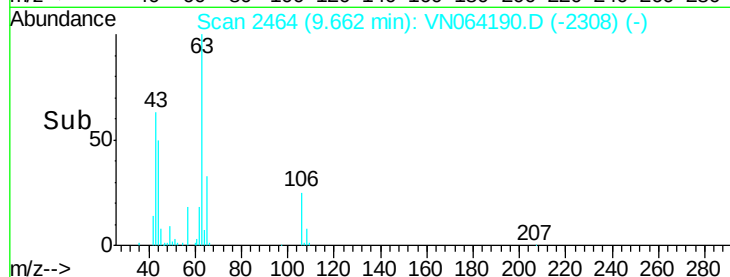
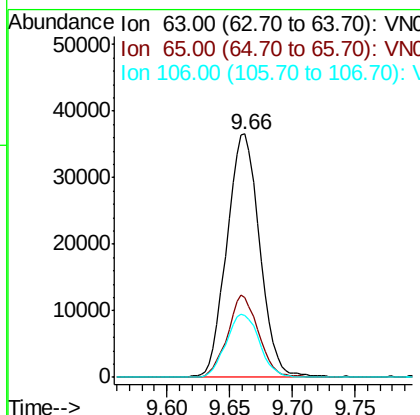
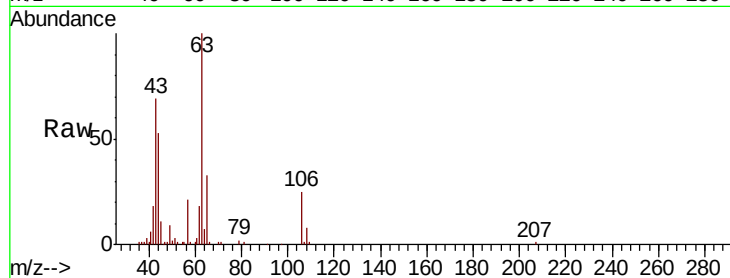




#55
2-Chloroethyl vinyl ether
Concen: 21.044 ug/l
RT: 9.66 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

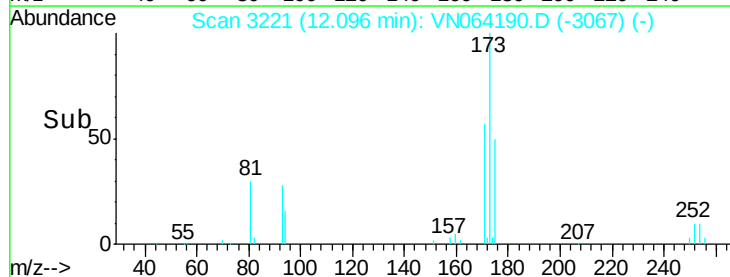
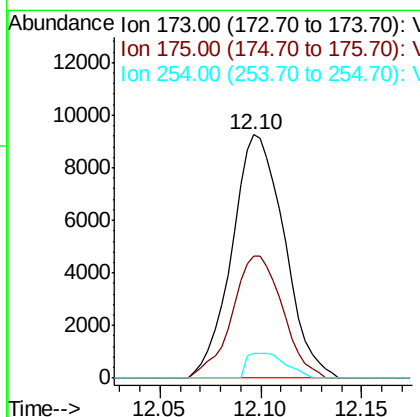
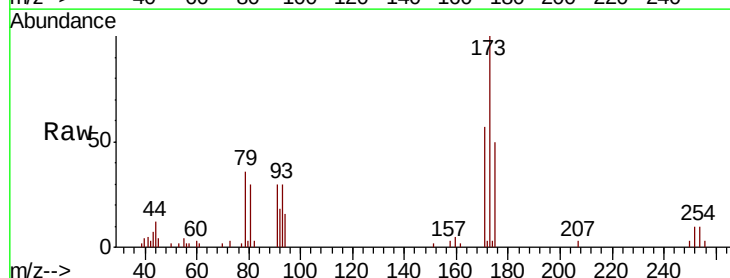
Instrument :
BNA_N
ClientSampleId :
VSTDIC005

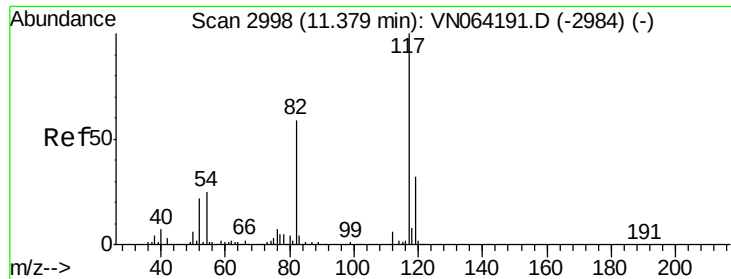
Tot Ion: 63 Resp: 66755
Ion Ratio Lower Upper
63 100
65 31.7 25.9 38.9
106 25.9 21.4 32.2



#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#

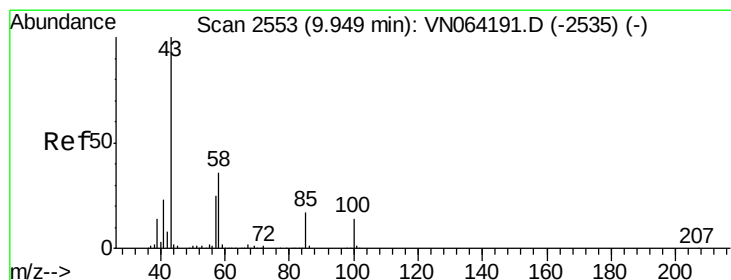
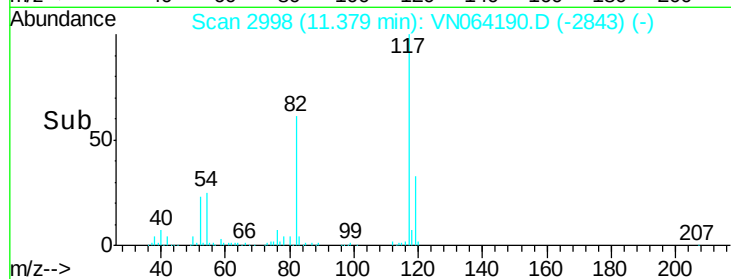
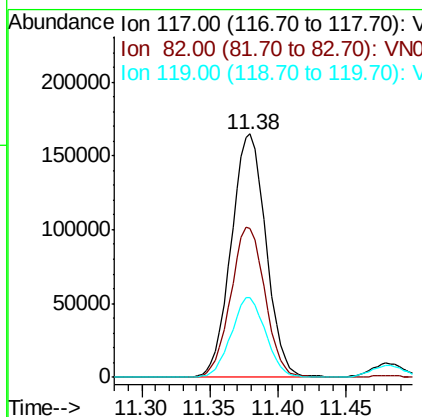
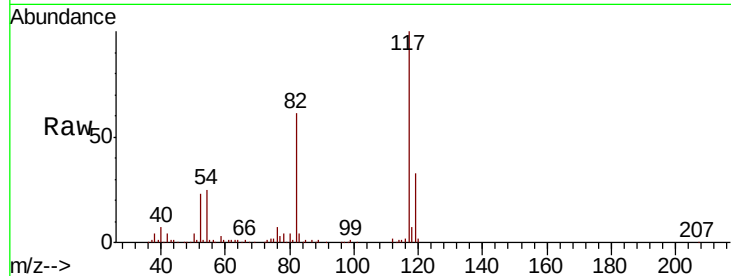




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

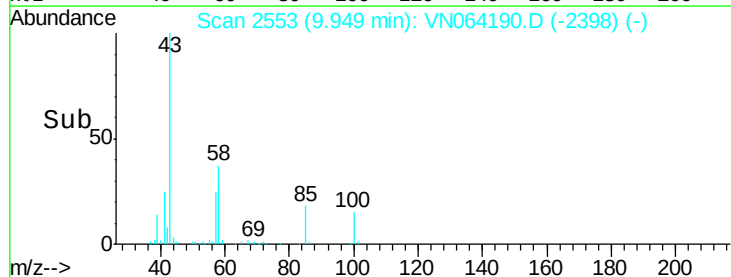
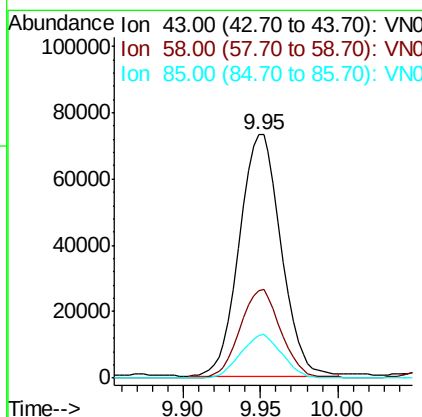
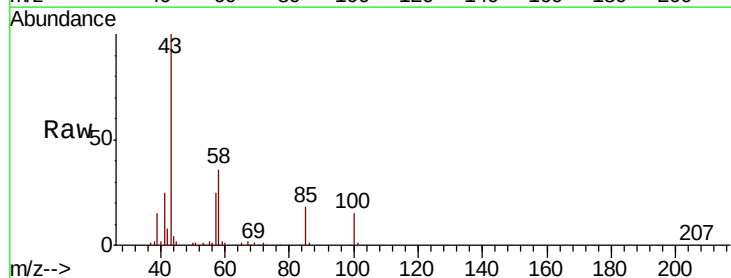
Instrument :
BNA_N
ClientSampleId :
VSTDIC005

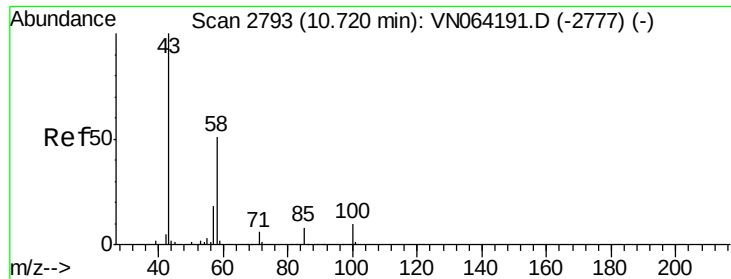
Tot Ion	Ratio	Lower	Upper
117	100		
82	60.8	47.8	71.8
119	32.4	25.7	38.5



#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

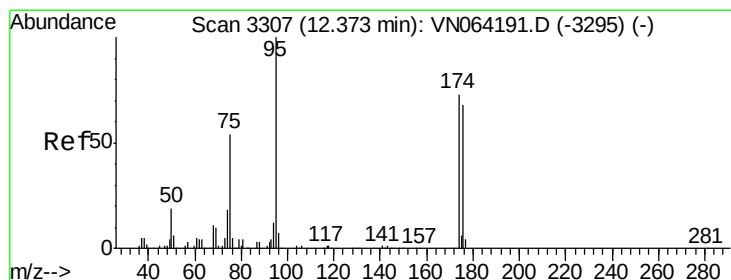
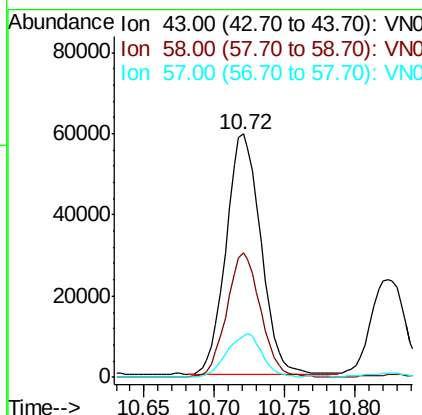
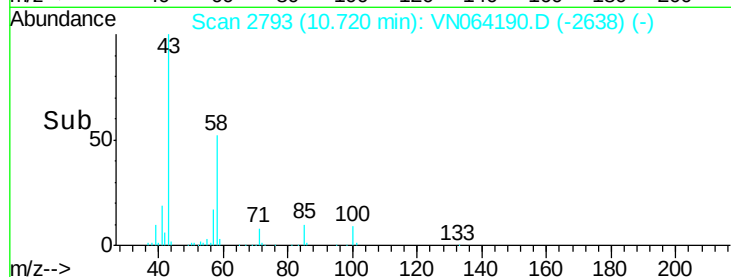
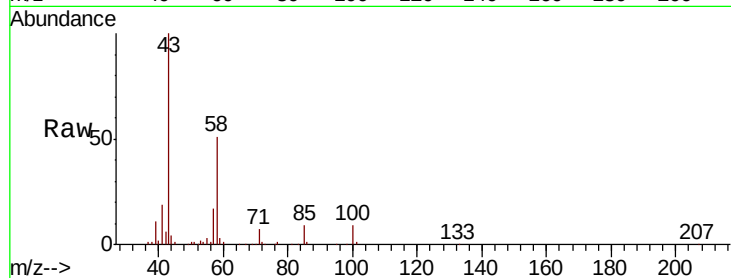




#59
2-Hexanone
Concen: 25.890 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

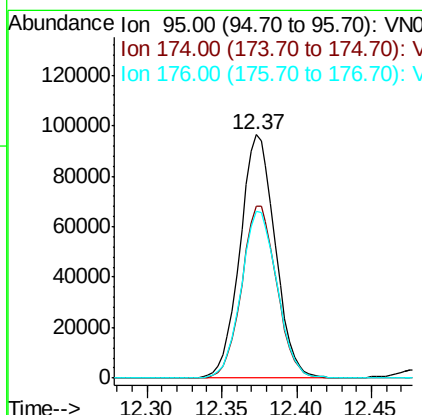
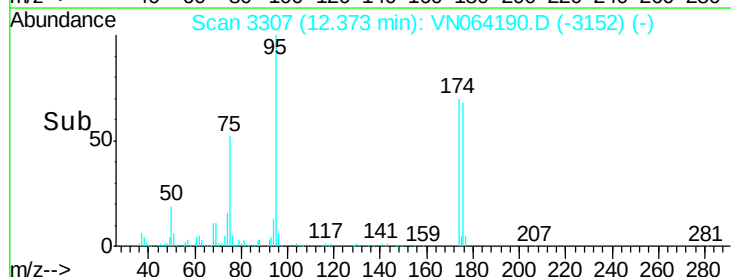
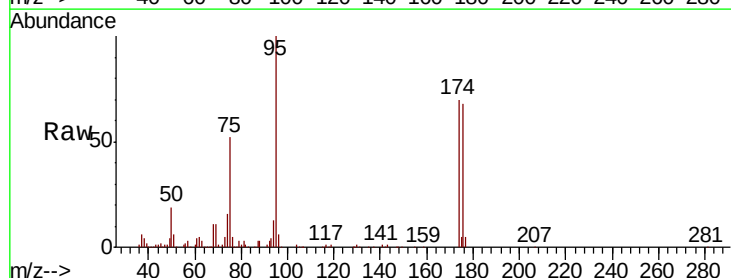
Instrument :
BNA_N
ClientSampleId :
VSTDIC005

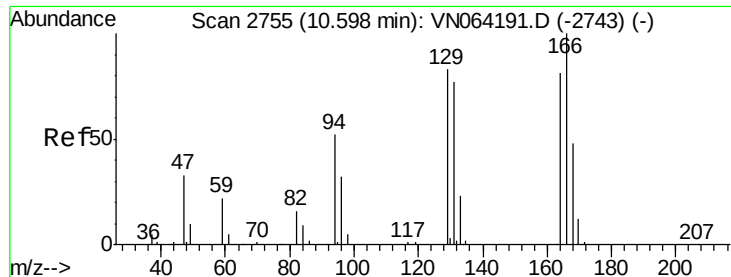
Tot Ion: 43 Resp: 102853
Ion Ratio Lower Upper
43 100
58 50.3 40.2 60.4
57 18.1 14.8 22.2



#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: 95 Resp: 158126
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 :

BNA_N

ClientSampleId :

VSTDIC005

Tot Ion:164 Resp: 23183

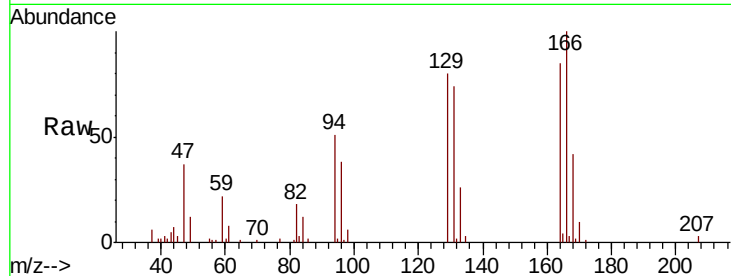
Ion Ratio Lower Upper

164 100

166 117.8 99.2 148.8

129 94.5 82.8 124.2

131 86.1 76.2 114.4



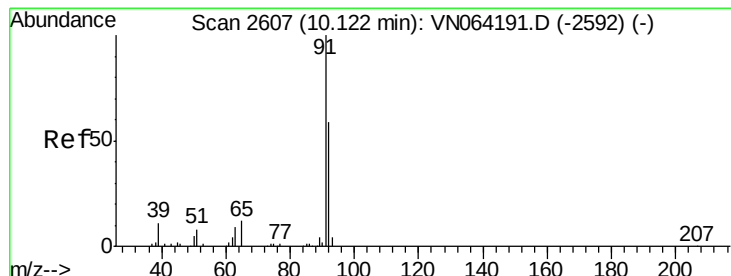
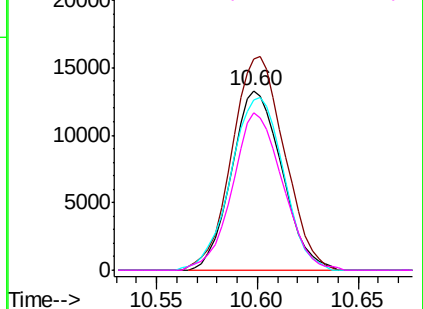
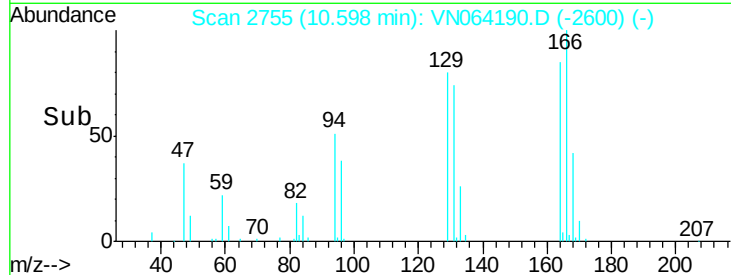
Abundance

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

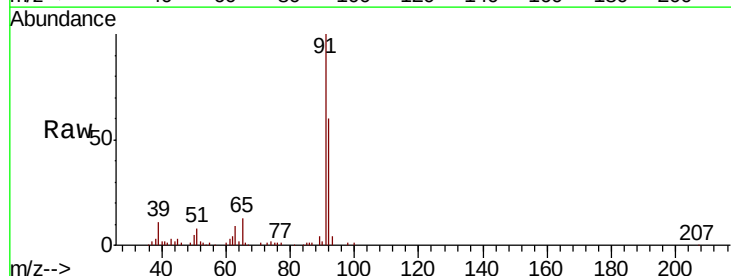
Acq: 20 Oct 2020 9:49

Tgt Ion: 91 Resp: 91938

Ion Ratio Lower Upper

91 100

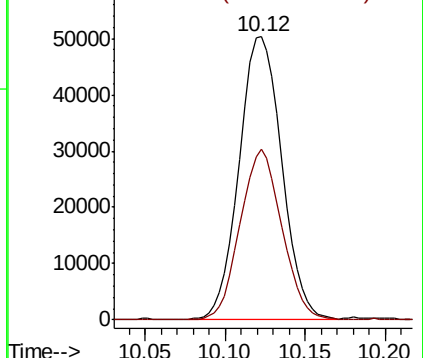
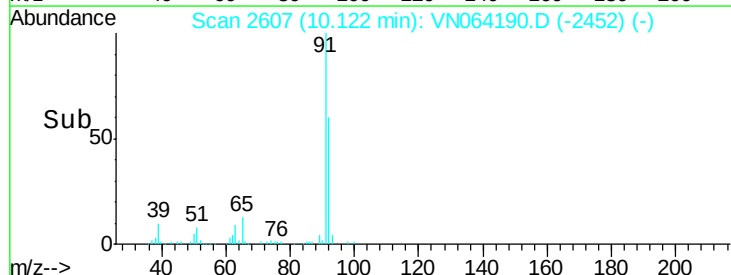
92 58.5 46.8 70.2

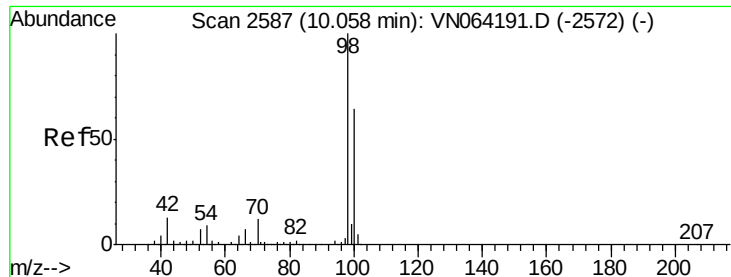


Abundance

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 :

BNA_N

ClientSampleId :

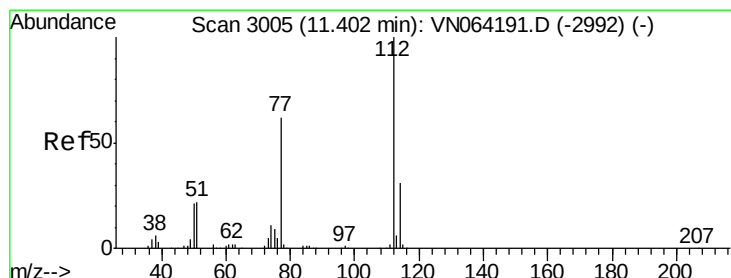
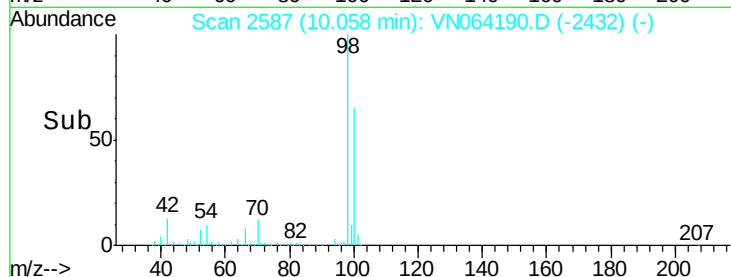
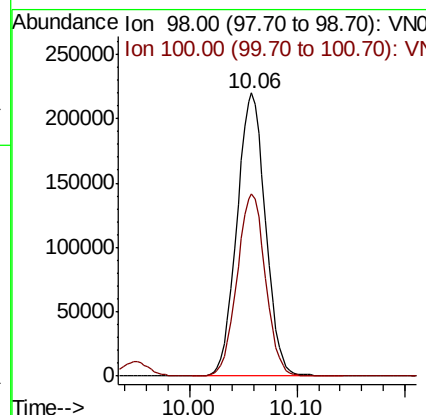
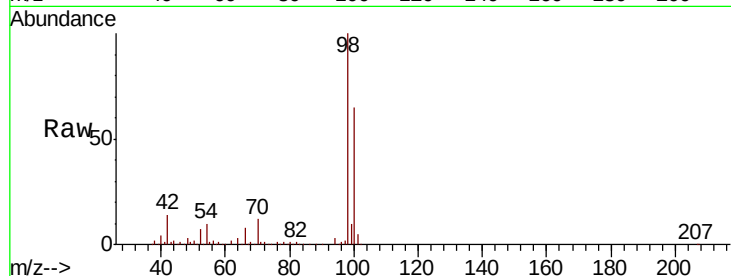
VSTDIC005

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

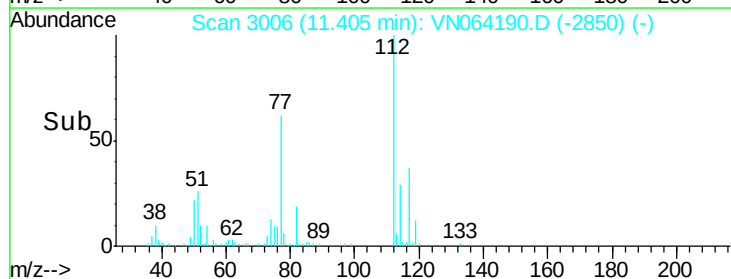
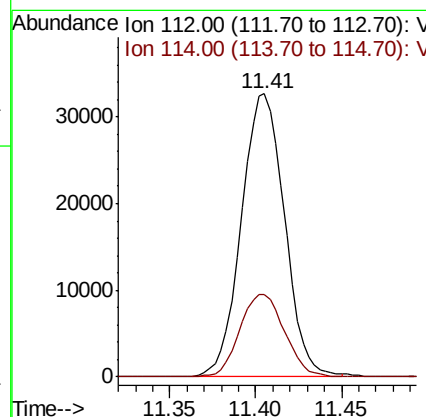
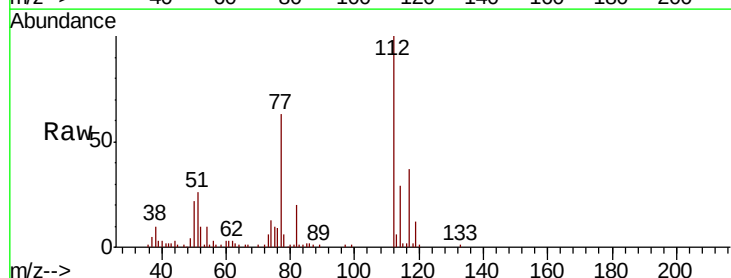
Acq: 20 Oct 2020 9:49

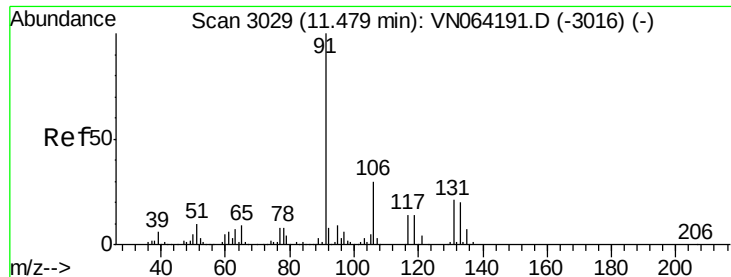
Tgt Ion: 112 Resp: 57076

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 :

BNA_N

ClientSampleId :

VSTDIC005

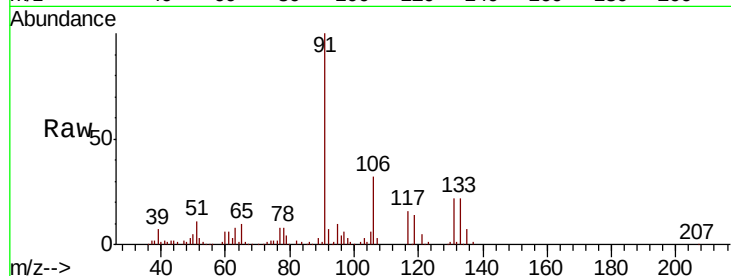
Tot Ion:131 Resp: 22450

Ion	Ratio	Lower	Upper
131	100		
133	98.6	0.0	193.0
119	64.1	0.0	132.2

131 100

133 98.6 0.0 193.0

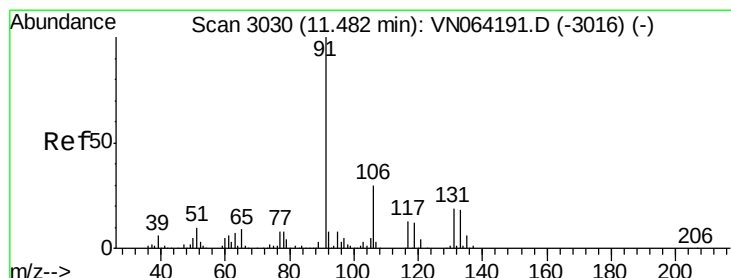
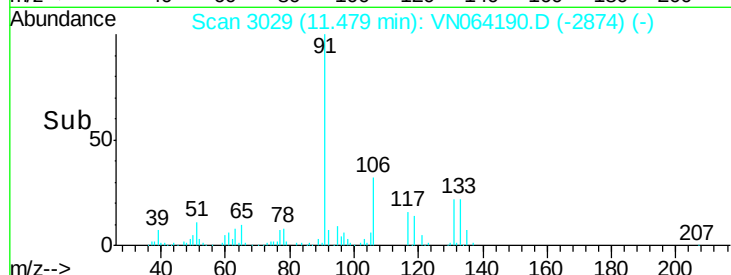
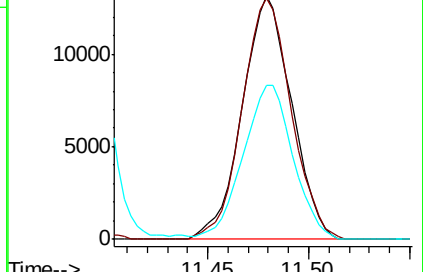
119 64.1 0.0 132.2



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

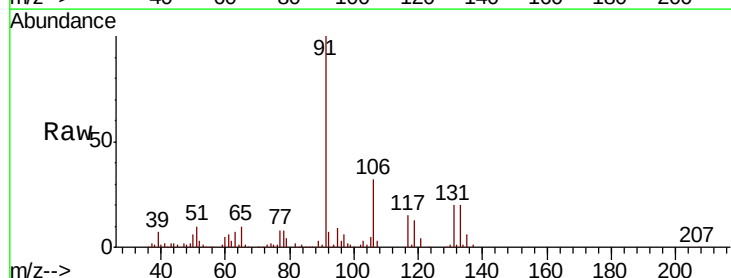
Acq: 20 Oct 2020 9:49

Tgt Ion: 91 Resp: 104637

Ion	Ratio	Lower	Upper
91	100		
106	32.2	23.9	35.9

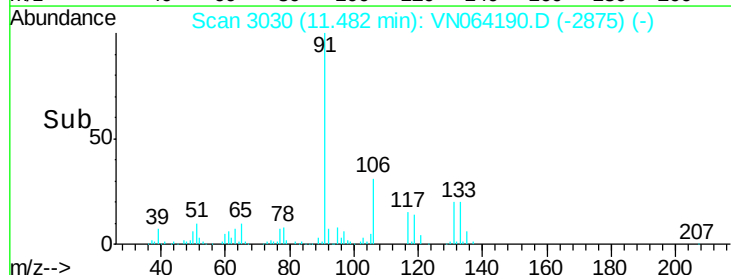
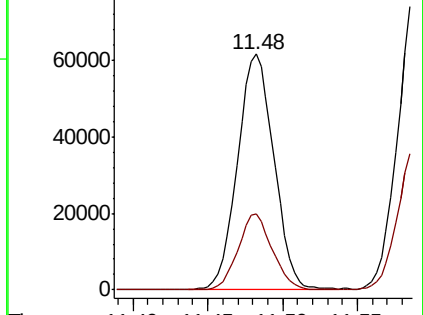
91 100

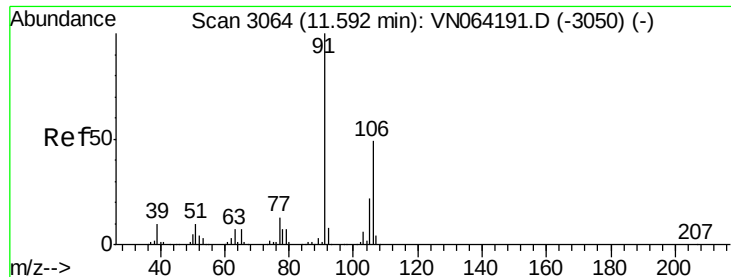
106 32.2 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

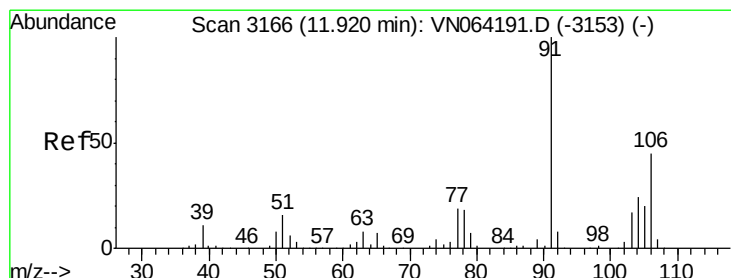
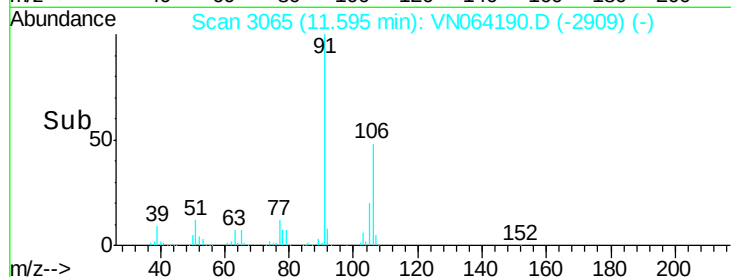
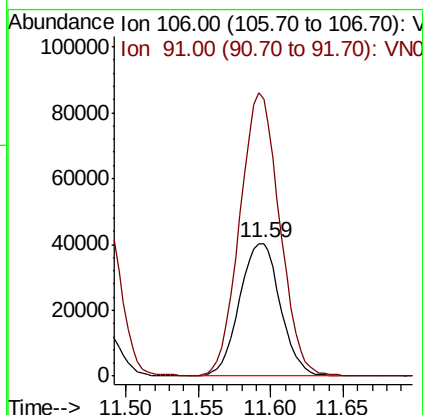
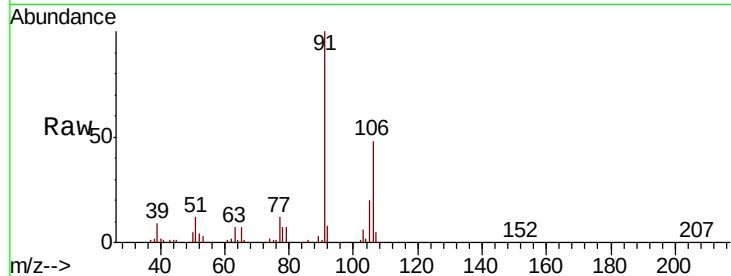




#67
m/p-Xylenes
Concen: 11.826 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

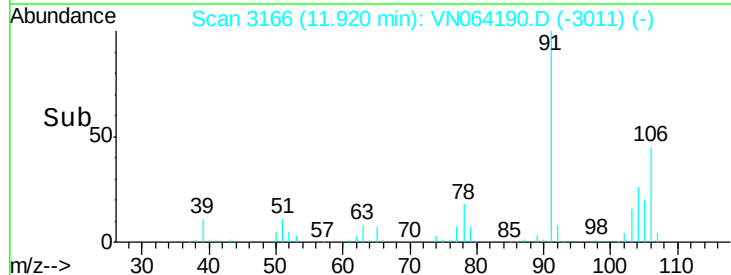
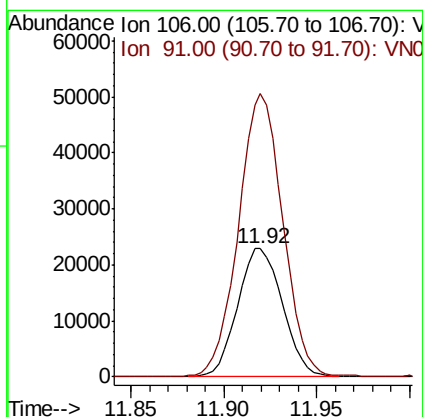
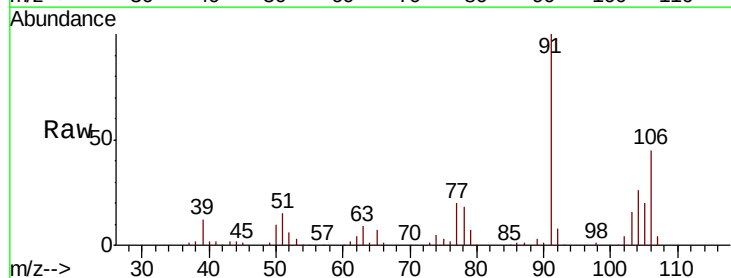
Instrument :
BNA_N
ClientSampleId :
VSTDIC005

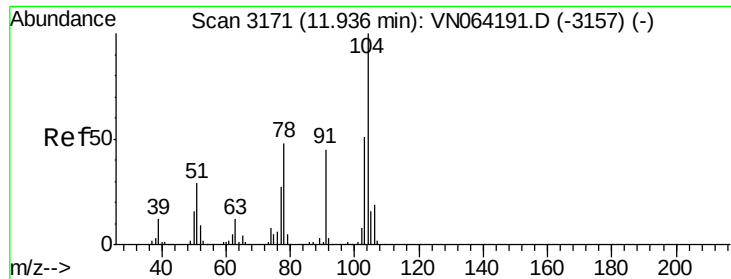
Tot Ion:106 Resp: 78818
Ion Ratio Lower Upper
106 100
91 208.8 167.9 251.9



#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

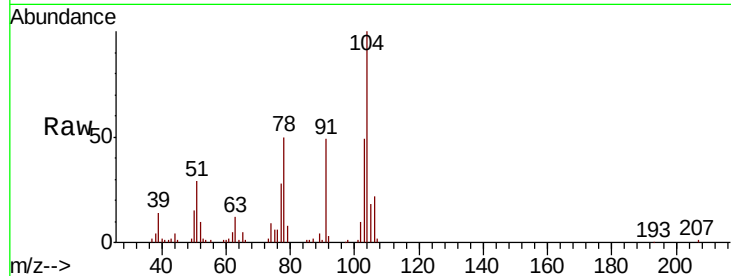




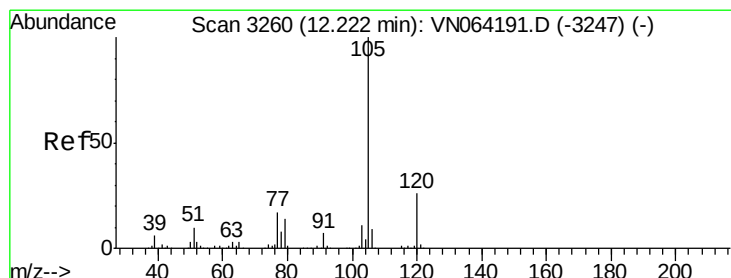
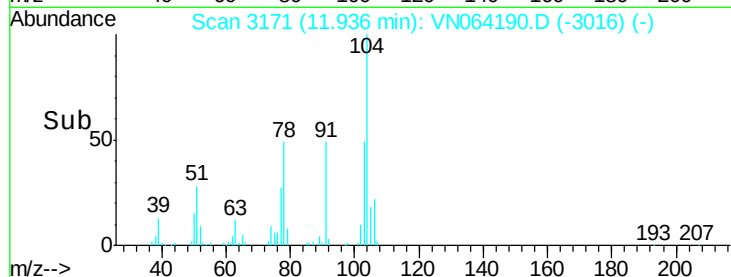
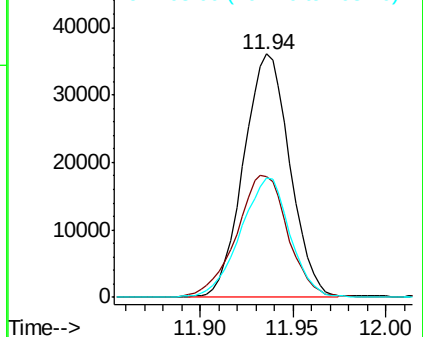
#69
Stvrene
Concen: 5.767 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Instrument :
BNA_N
ClientSampleId :
VSTDIC005

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

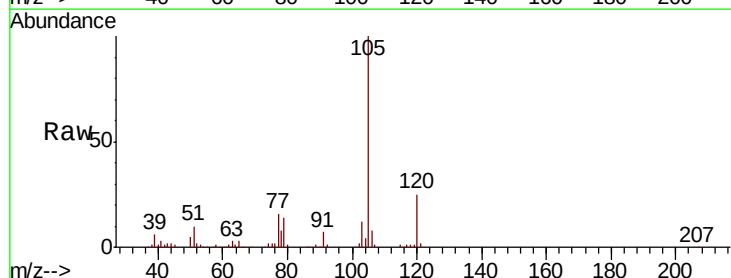


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

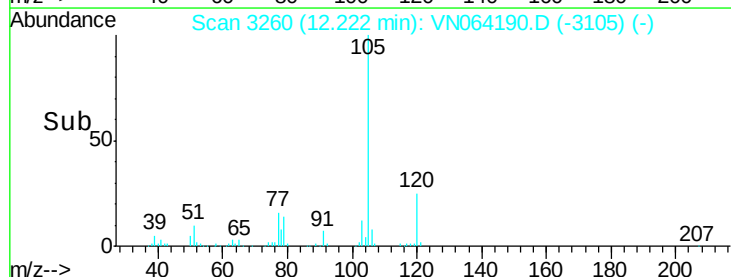
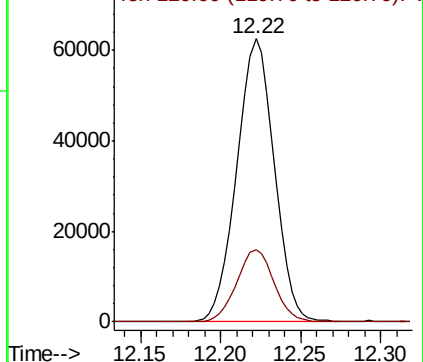


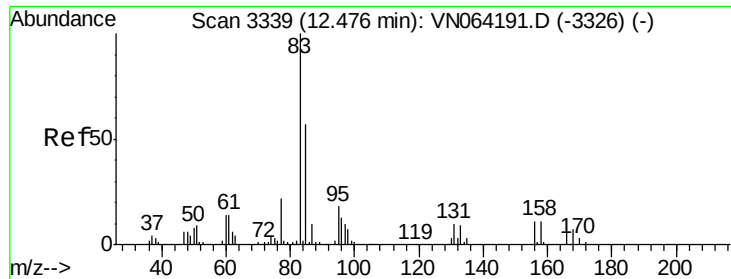
#70
Isopropylbenzene
Concen: 5.879 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

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

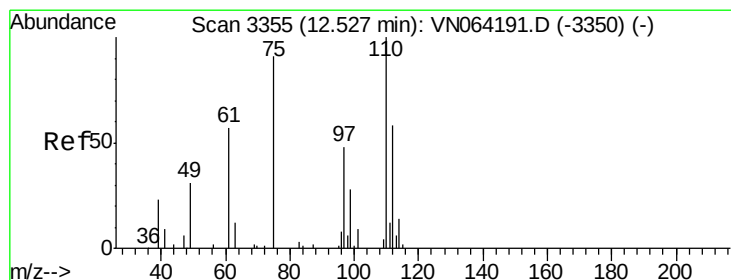
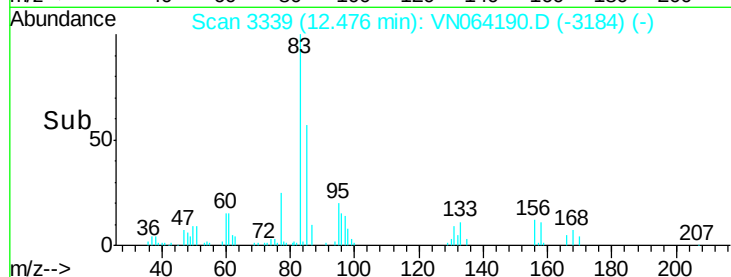
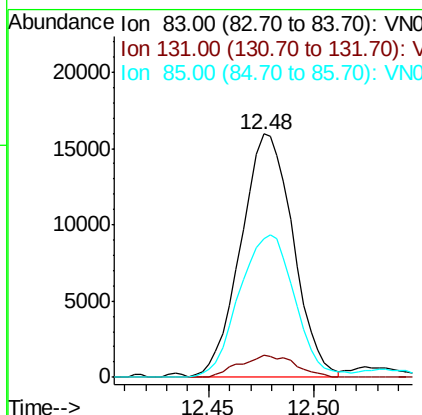
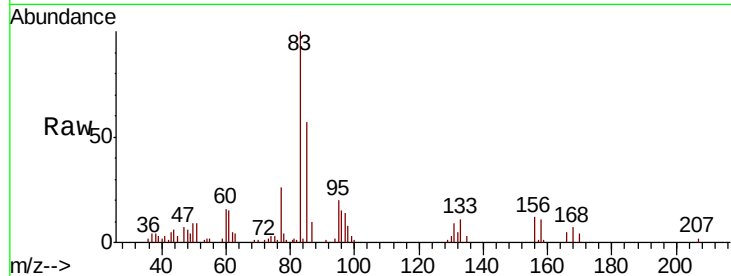




#71
 1,1,2,2-Tetrachloroethane
 Concen: 5.275 ug/l
 RT: 12.48 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

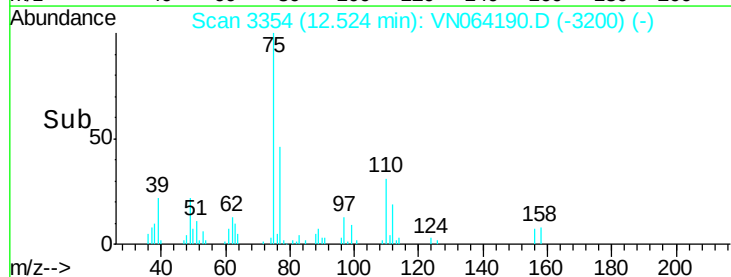
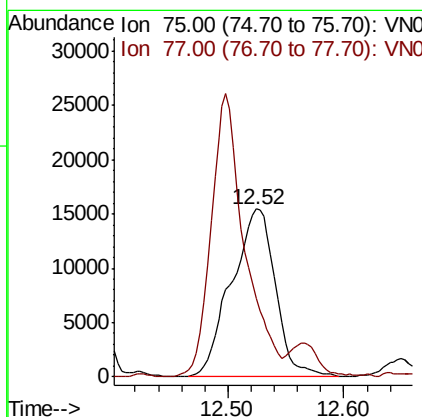
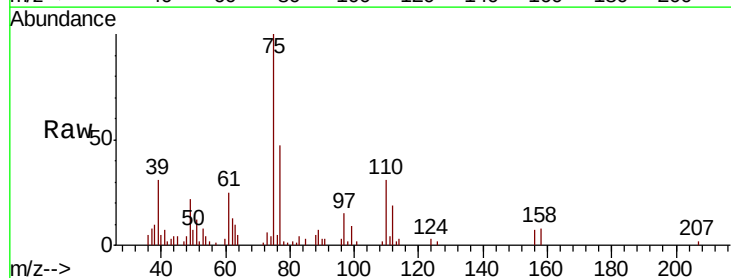
Instrument :
 BNA_N
 ClientSampleId :
 VSTDIC005

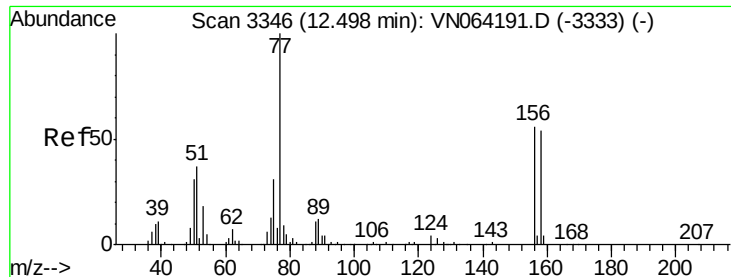
Tot Ion	83	Resp	27498
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.5	16.4
85	62.3	30.8	92.4



#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 :

BNA_N

ClientSampleId :

VSTDIC005

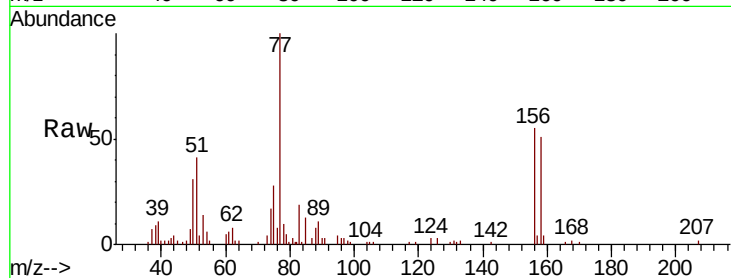
Tot Ion:156 Resp: 23239

Ion Ratio Lower Upper

156 100

77 225.7 0.0 429.8

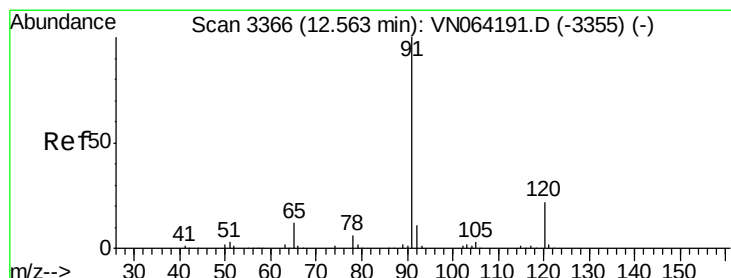
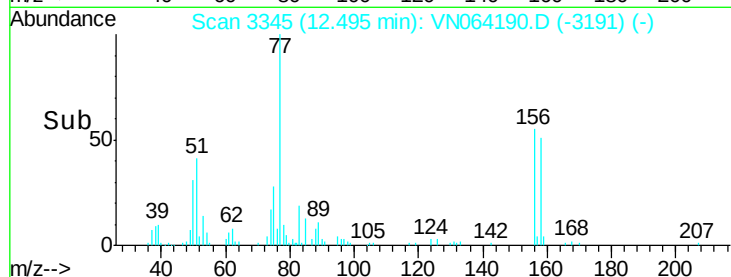
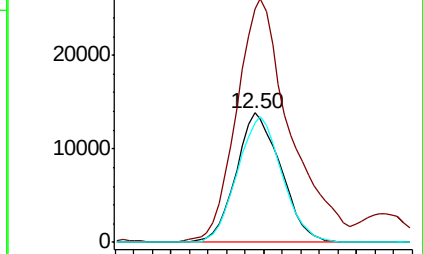
158 97.0 0.0 190.6



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

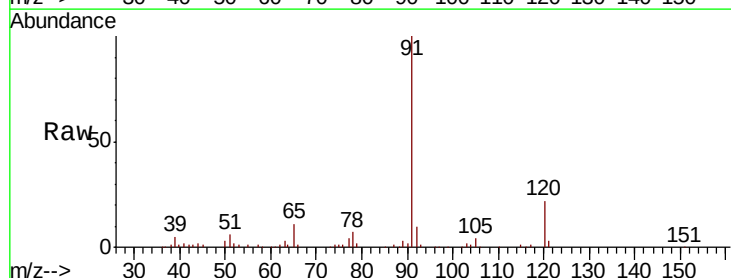
Acq: 20 Oct 2020 9:49

Tgt Ion: 91 Resp: 111636

Ion Ratio Lower Upper

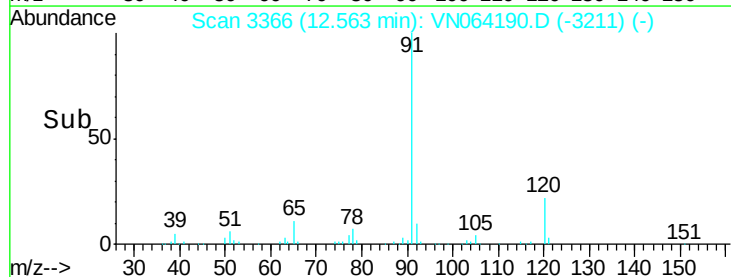
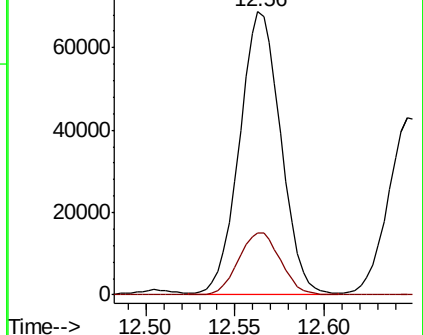
91 100

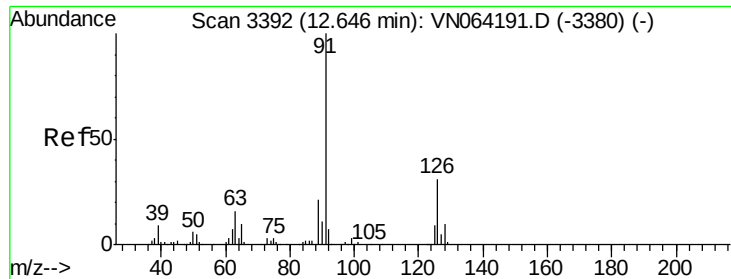
120 22.1 0.0 43.8



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 :

BNA_N

ClientSampleId :

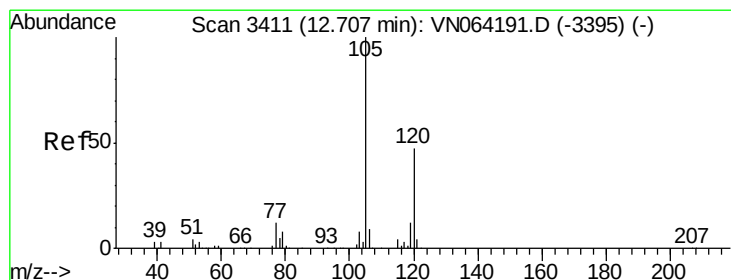
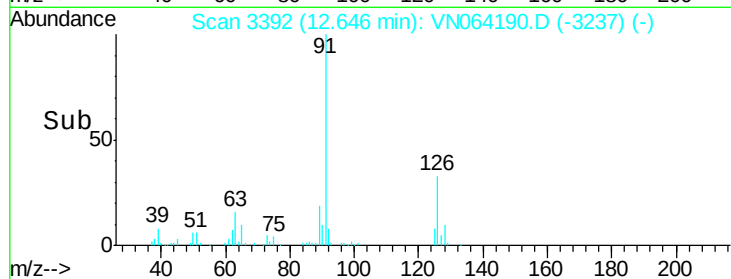
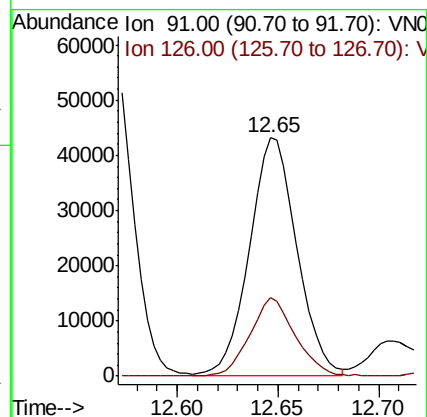
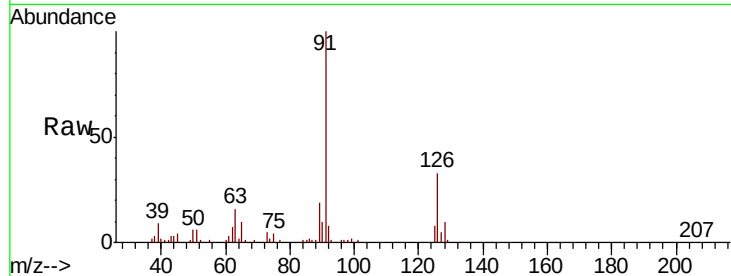
VSTDIC005

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

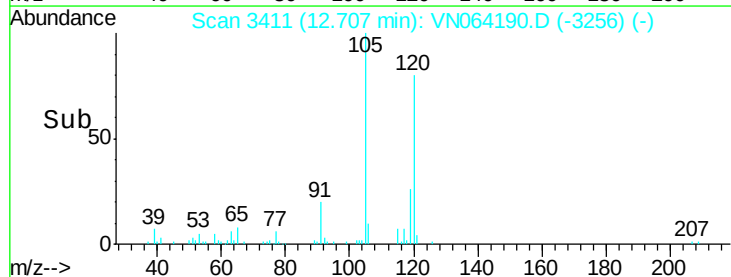
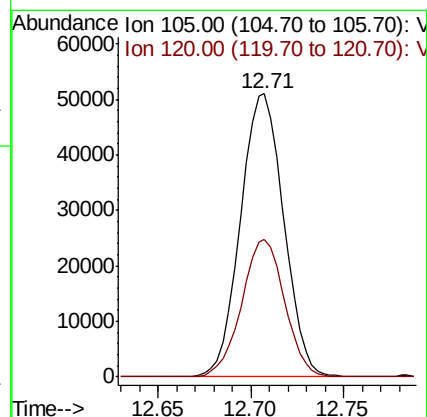
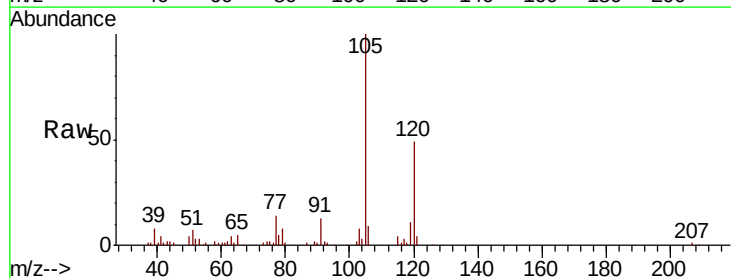
Acq: 20 Oct 2020 9:49

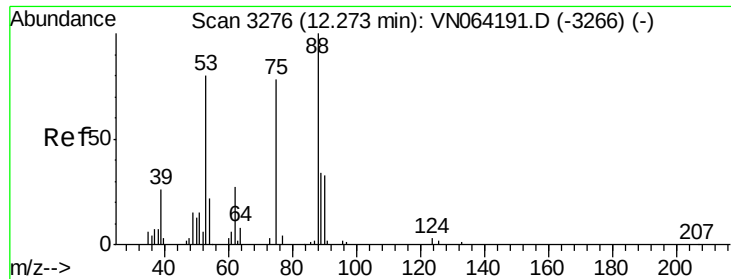
Tgt Ion: 105 Resp: 82785

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 :

BNA_N

ClientSampleId :

VSTDIC005

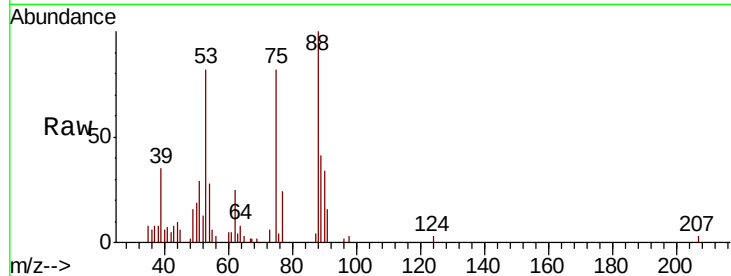
Tot Ion: 75 Resp: 10653

Ion Ratio Lower Upper

75 100

53 95.3 51.4 154.2

89 49.5 23.8 71.5

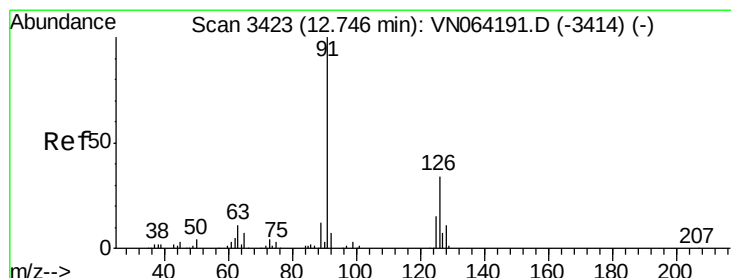
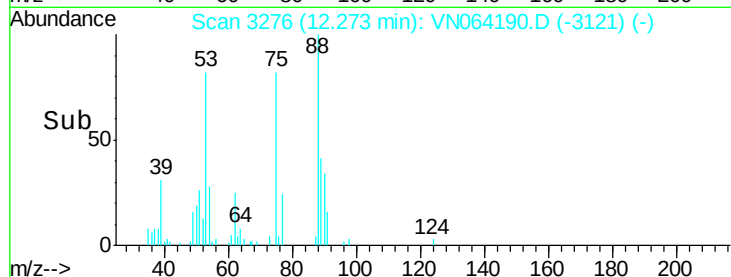


Abundance Ion 75.00 (74.70 to 75.70): VN064190.D (-3276) (-)

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

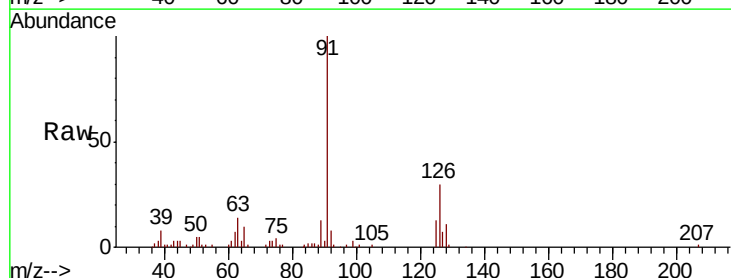
Acq: 20 Oct 2020 9:49

Tgt Ion: 91 Resp: 73472

Ion Ratio Lower Upper

91 100

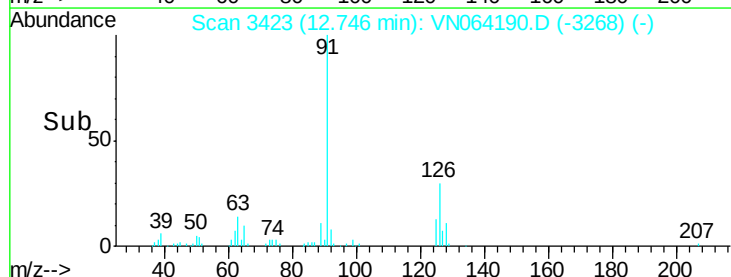
126 30.1 0.0 63.2

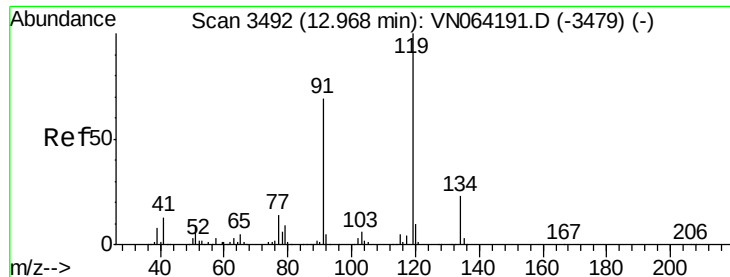


Abundance Ion 91.00 (90.70 to 91.70): VN064190.D (-3423) (-)

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

Time-->

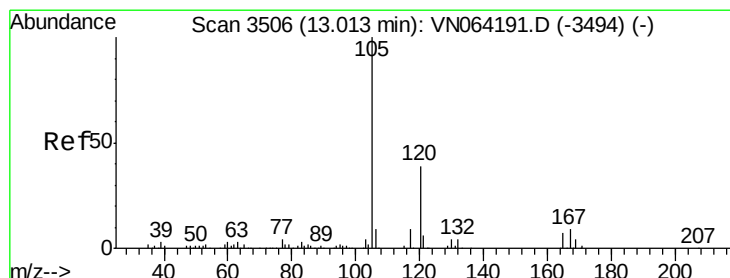
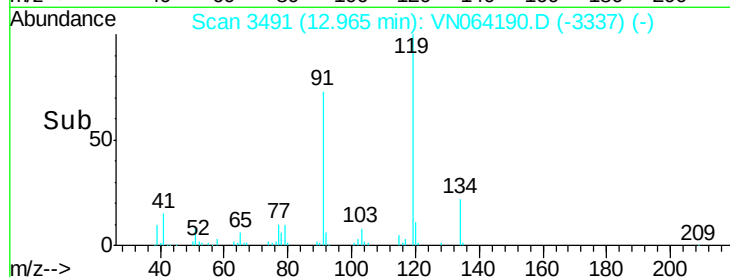
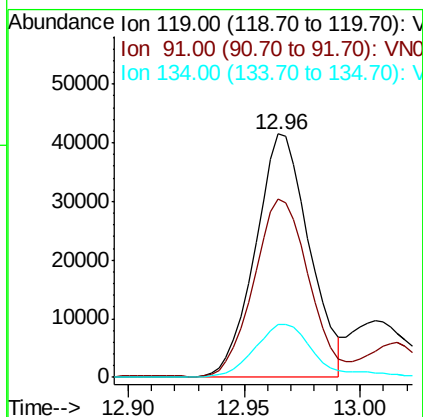
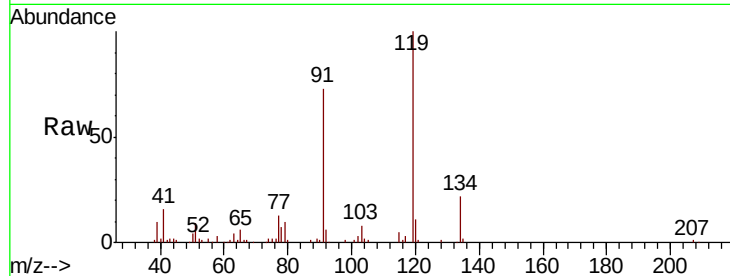




#79
tert-butylbenzene
Concen: 5.798 ug/l
RT: 12.96 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

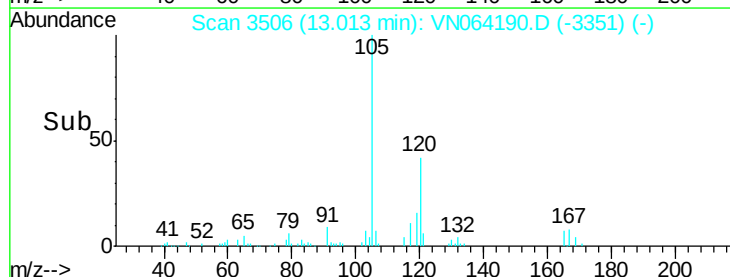
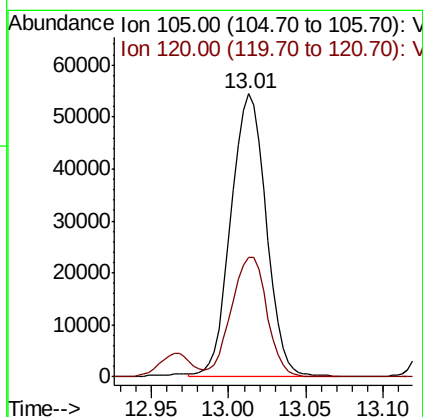
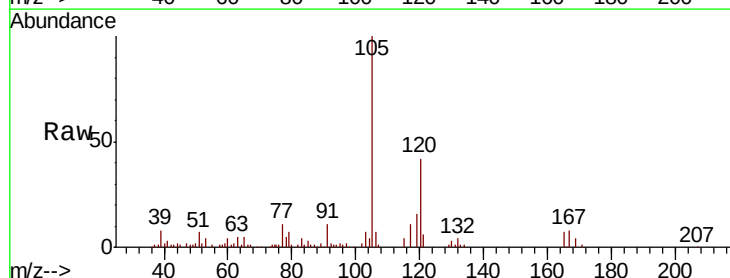
Instrument :
BNA_N
ClientSampleId :
VSTDIC005

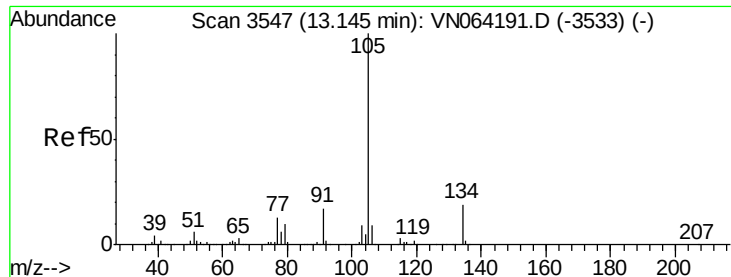
Tot Ion:119 Resp: 67100
Ion Ratio Lower Upper
119 100
91 74.8 0.0 143.2
134 22.7 0.0 49.2



#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

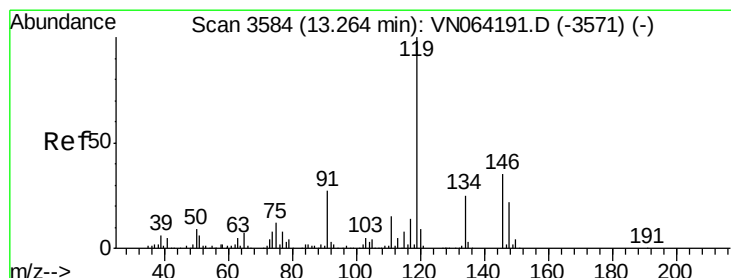
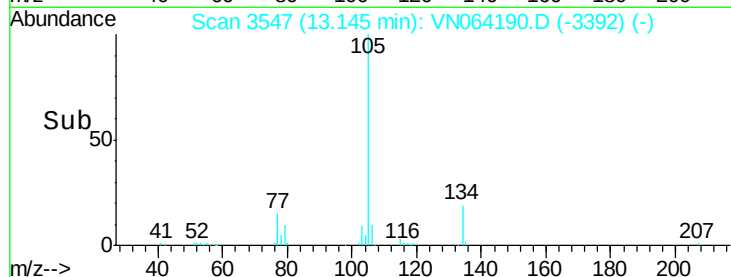
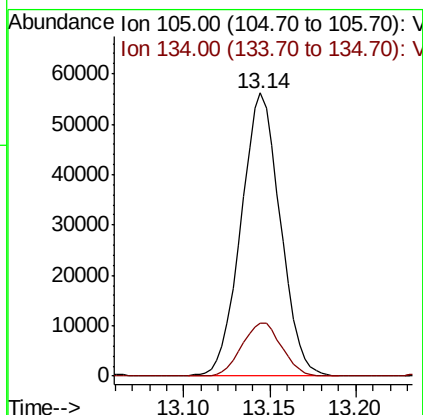
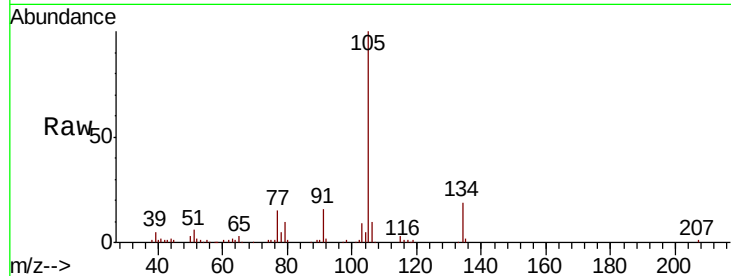




#81
 sec-Butylbenzene
 Concen: 5.867 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

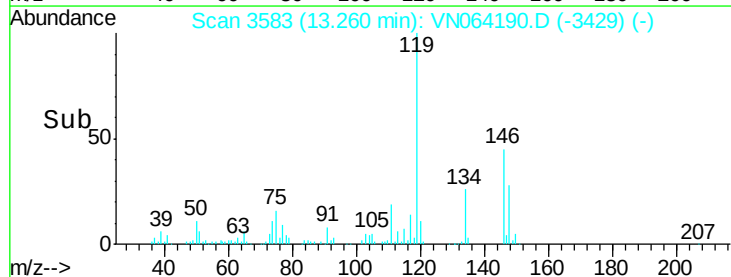
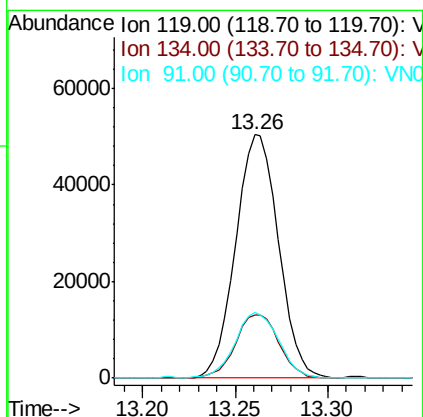
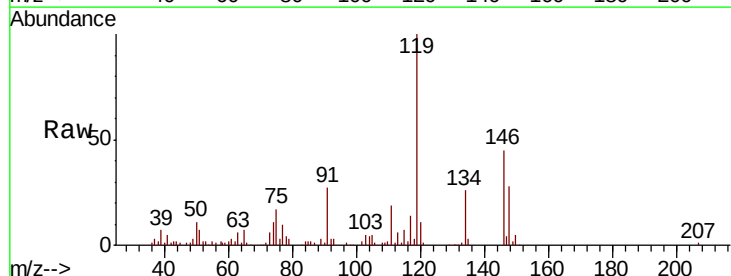
Instrument :
 BNA_N
 ClientSampleId :
 VSTDIC005

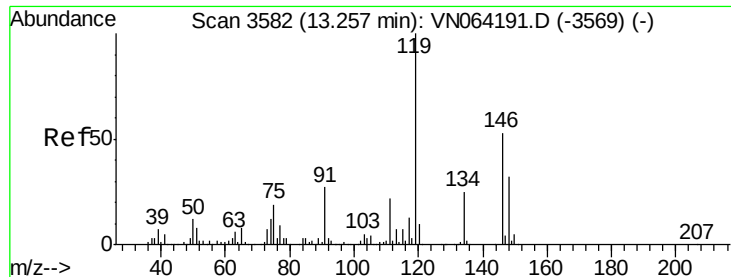
Tot Ion:105 Resp: 88998
 Ion Ratio Lower Upper
 105 100
 134 19.0 0.0 38.4



#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

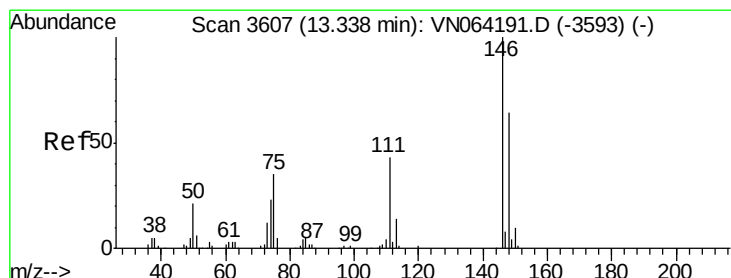
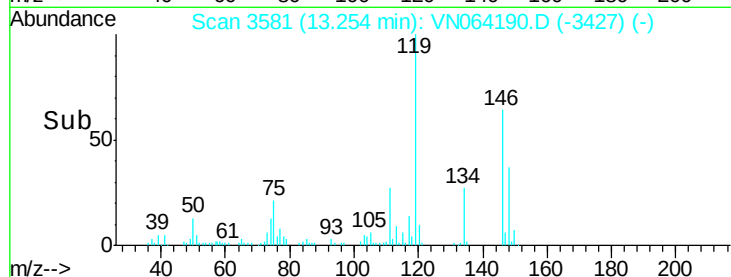
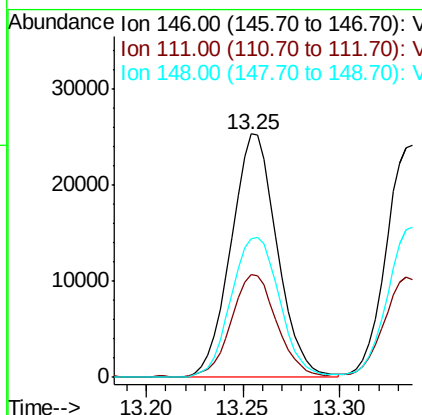
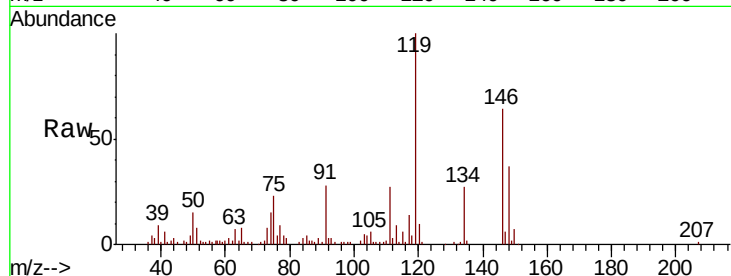




#83
 1,3-Dichlorobenzene
 Concen: 5.549 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

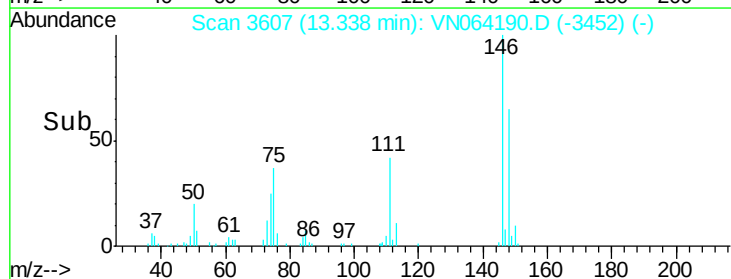
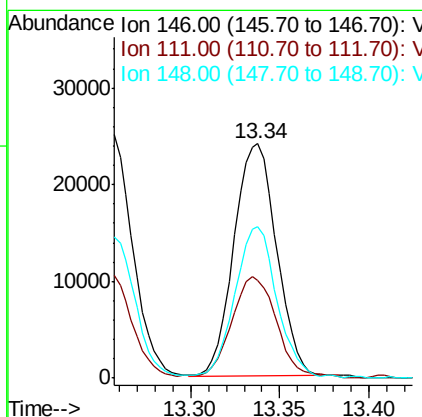
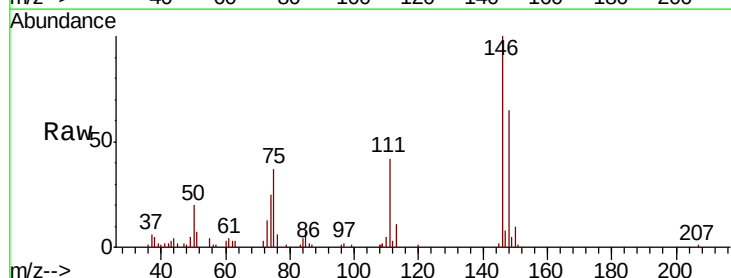
Instrument :
 BNA_N
 ClientSampleId :
 VSTDIC005

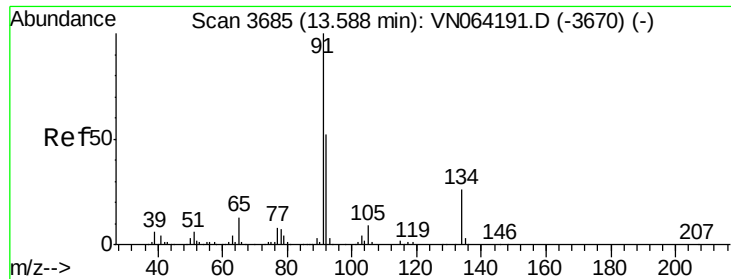
Tot Ion:146 Resp: 42084
 Ion Ratio Lower Upper
 146 100
 111 41.9 21.8 65.4
 148 60.6 31.4 94.2



#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 :

BNA_N

ClientSampleId :

VSTDIC005

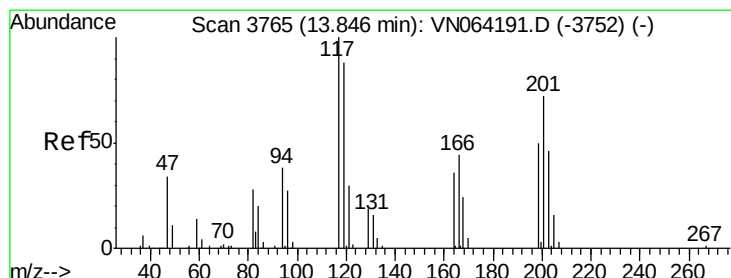
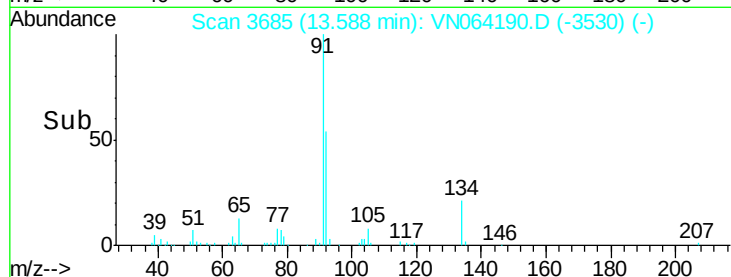
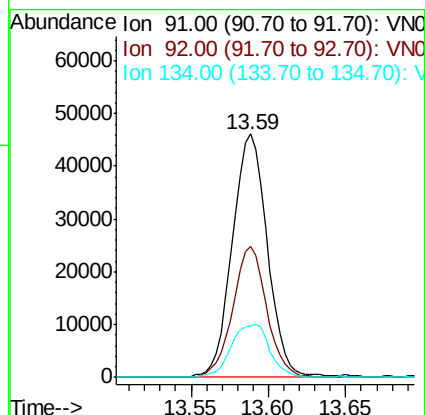
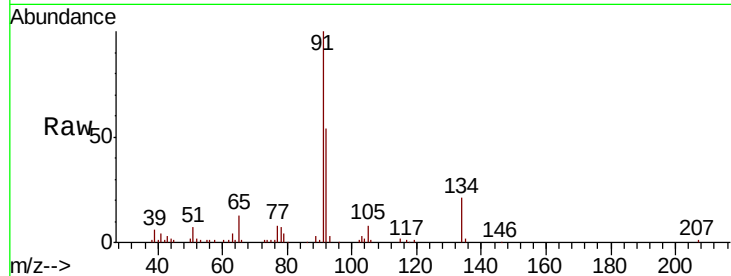
Tot Ion: 91 Resp: 72579

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

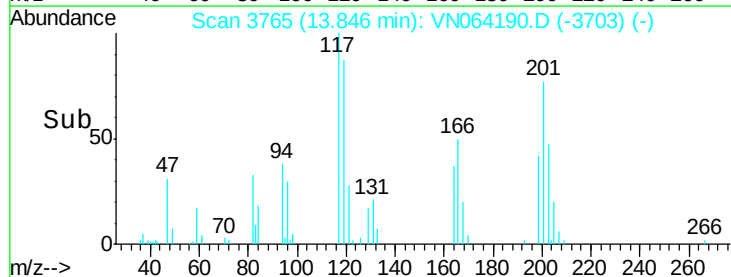
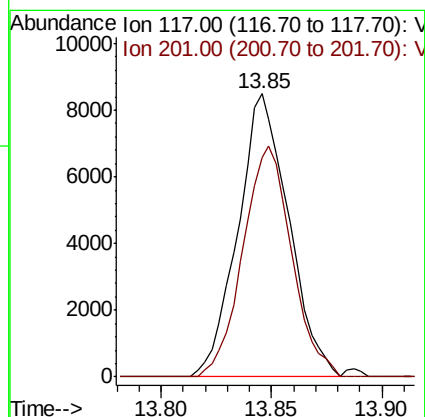
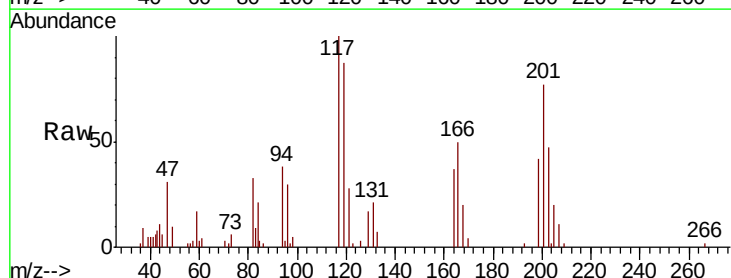
Acq: 20 Oct 2020 9:49

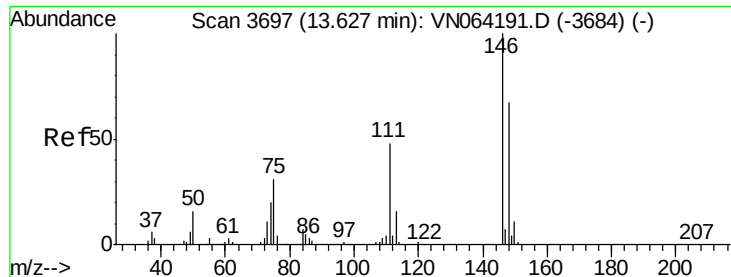
Tgt Ion: 117 Resp: 13530

Ion Ratio Lower Upper

117 100

201 78.3 37.5 112.3

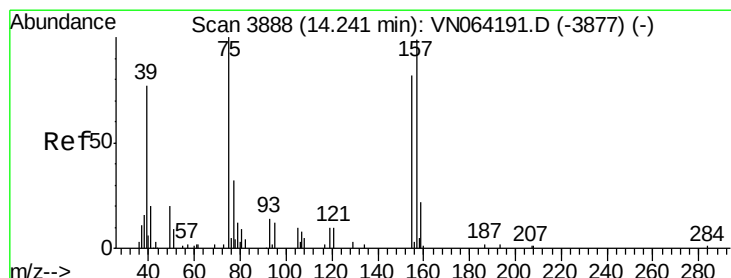
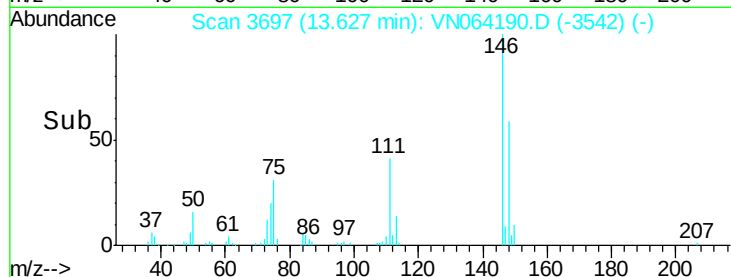
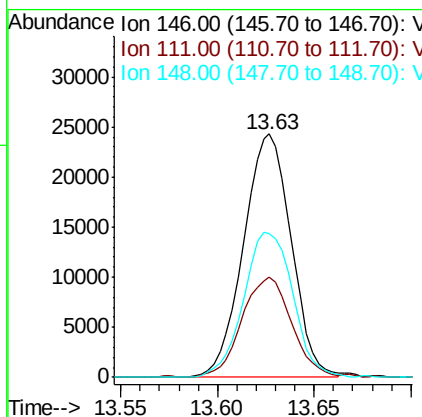
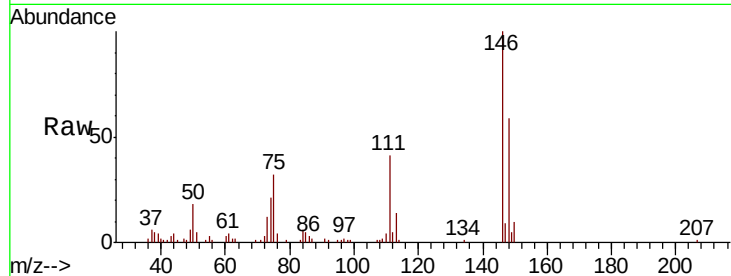




#87
 1,2-Dichlorobenzene
 Concen: 5.649 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

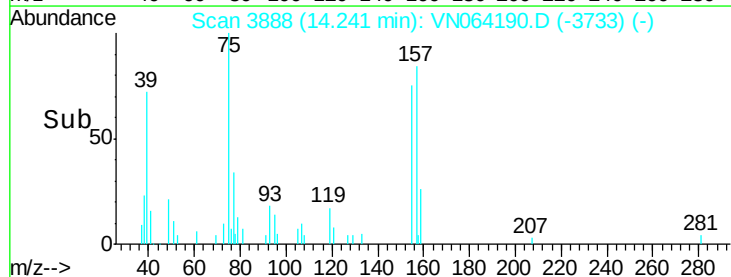
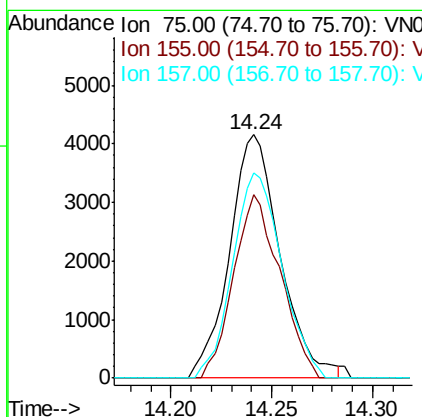
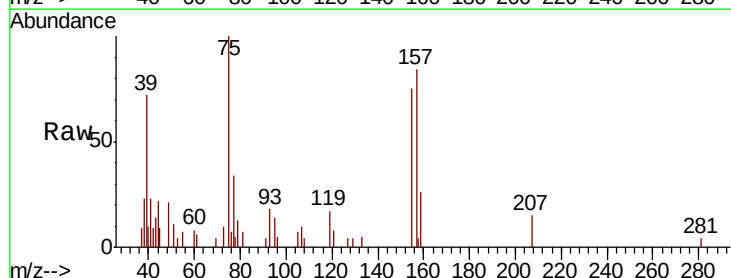
Instrument :
 BNA_N
 ClientSampleId :
 VSTDIC005

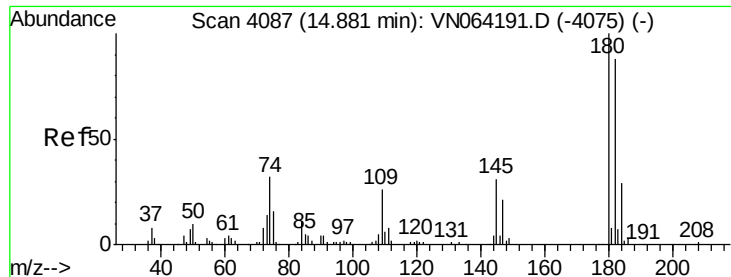
Tot Ion:146 Resp: 41744
 Ion Ratio Lower Upper
 146 100
 111 42.8 22.6 67.8
 148 61.4 32.6 97.8



#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

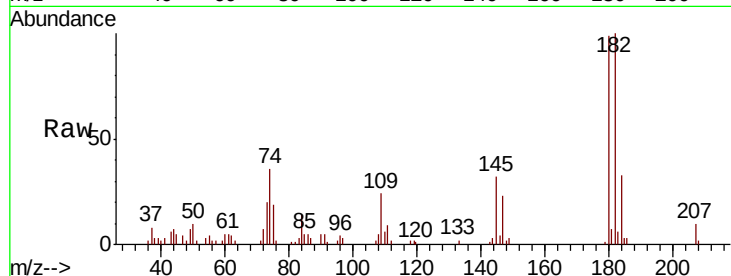




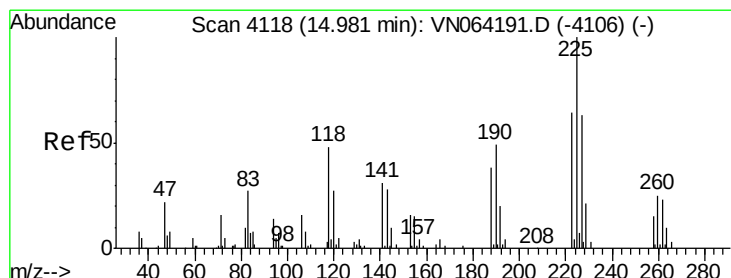
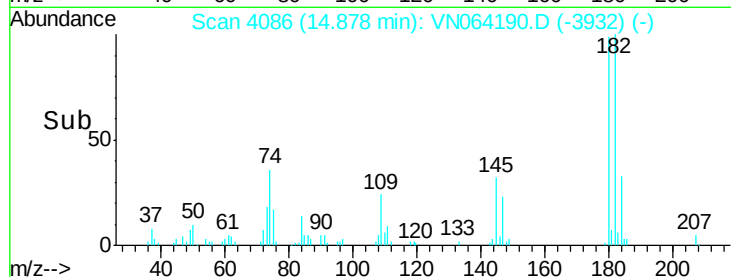
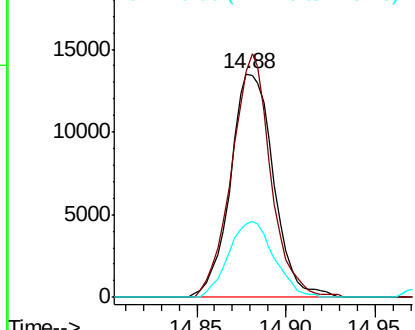
#89
 1,2,4-Trichlorobenzene
 Concen: 5.789 ug/l
 RT: 14.88 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Instrument :
 BNA_N
 ClientSampleId :
 VSTDIC005

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

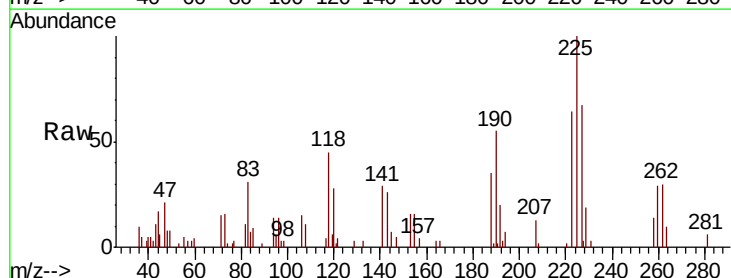


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

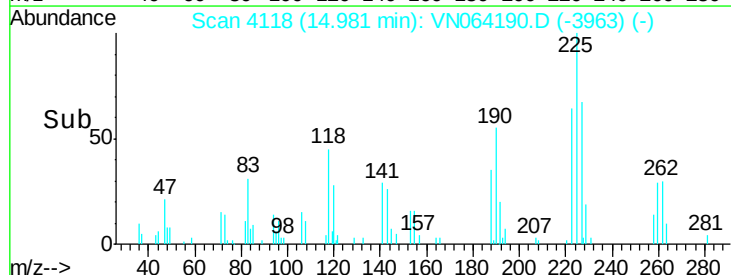
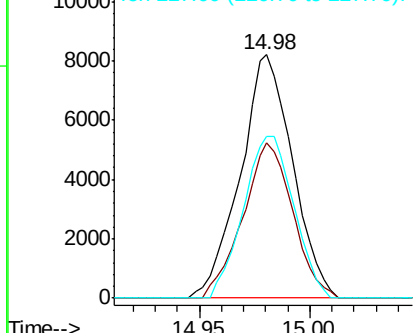


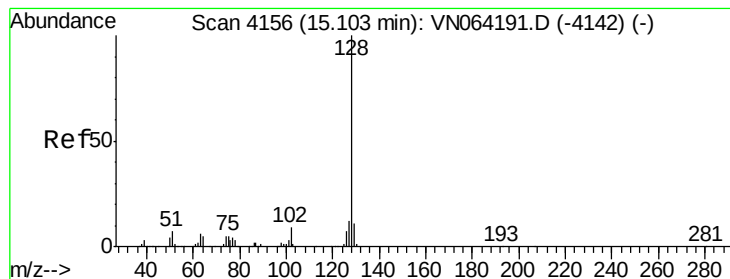
#90
 Hexachlorobutadiene
 Concen: 6.603 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	0.0	127.0
227	64.2	0.0	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 :

BNA_N

ClientSampleId :

VSTDIC005

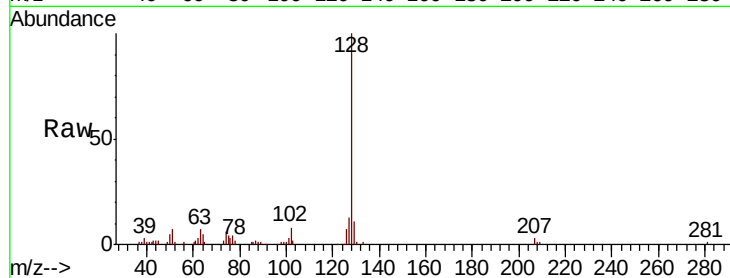
Tot Ion:128 Resp: 71435

Ion Ratio Lower Upper

128 100

127 13.1 10.1 15.1

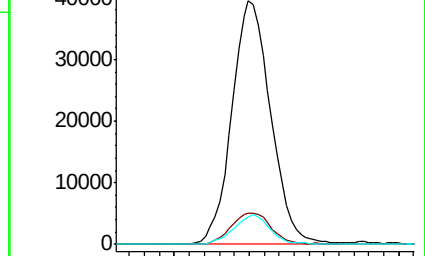
129 11.0 8.7 13.1



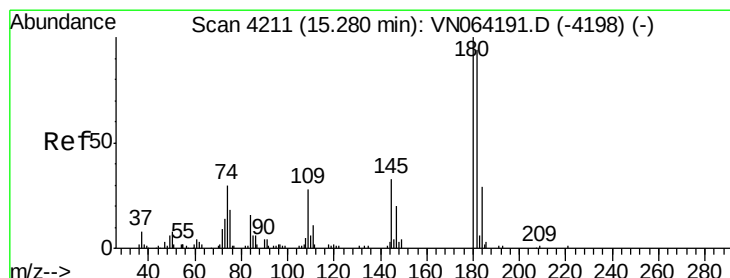
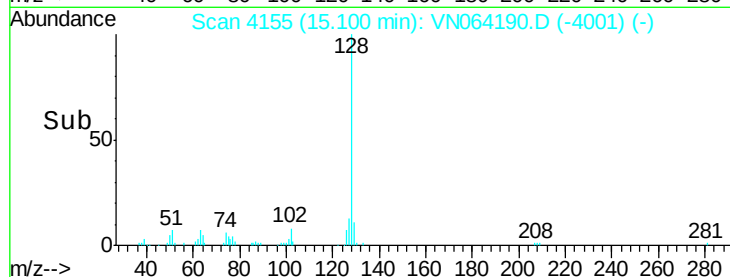
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#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

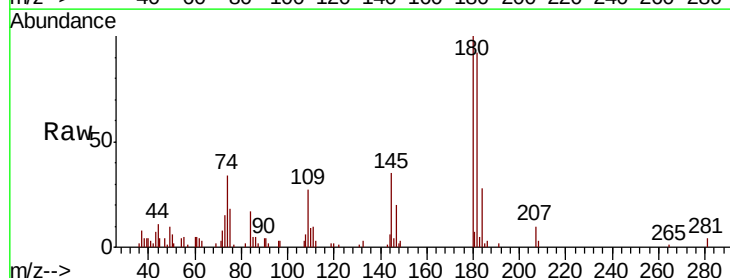
Tgt Ion:180 Resp: 21964

Ion Ratio Lower Upper

180 100

182 96.2 0.0 190.0

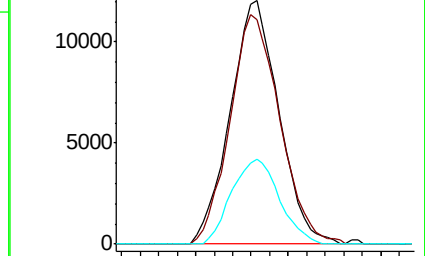
145 34.2 0.0 66.6



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



Time-->

