

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064192.D
 Acq On : 20 Oct 2020 10:48
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Oct 20 11:11:31 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	53705	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	299509	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	273775	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	133420	28.01	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.37%
60) 4-Bromofluorobenzene	12.38	95	142179	29.79	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.30%
63) Toluene-d8	10.06	98	371712	29.93	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	200811	57.237 ug/l	93
3) Chloromethane	2.04	50	192383	52.821 ug/l	100
4) Vinyl Chloride	2.16	62	193242	53.333 ug/l	98
5) Bromomethane	2.53	94	111979	48.775 ug/l	97
6) Chloroethane	2.67	64	110647	49.354 ug/l	98
7) Trichlorofluoromethane	2.98	101	295088	50.871 ug/l	99
8) Diethyl Ether	3.38	74	102214	54.427 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	159950	53.525 ug/l	98
10) 1,1-Dichloroethene	3.70	96	154213	54.585 ug/l	98
11) Methyl Iodide	3.91	142	228520	62.303 ug/l	97
12) Methyl Acetate	4.28	43	165442	49.331 ug/l	97
13) Acrolein	3.57	56	83477	245.246 ug/l #	1
14) Acrylonitrile	4.93	53	328702	237.556 ug/l	97
15) Acetone	3.78	58	90505	231.657 ug/l	99
16) Carbon Disulfide	4.01	76	438174	52.618 ug/l	100
17) Allyl chloride	4.28	41	304141	58.719 ug/l	96
18) Methylene Chloride	4.50	84	171996	51.909 ug/l	94
19) trans-1,2-Dichloroethene	4.99	96	164941	51.779 ug/l	94
20) Diisopropyl ether	5.90	45	530065	50.938 ug/l	94
21) 1,1-Dichloroethane	5.80	63	322404	51.382 ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	190664	52.439 ug/l	98
23) tert-Butyl Alcohol	4.73	59	152254	256.507 ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	507374	53.763 ug/l	100
25) Chloroform	7.33	83	337275	51.335 ug/l	98
26) Cyclohexane	7.61	56	254010	54.824 ug/l #	95
29) 1,1-Dichloropropene	7.75	75	251908	50.235 ug/l	99
30) 2-Butanone	6.78	43	520990	219.221 ug/l	98
31) 2,2-Dichloropropane	6.78	77	317562	52.593 ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	321350	50.548 ug/l	98
33) Carbon Tetrachloride	7.73	117	295275	52.476 ug/l	98
34) Benzene	8.00	78	706934	50.073 ug/l #	92
35) Methacrylonitrile	7.12	41	127349	54.537 ug/l	92
36) 1,2-Dichloroethane	8.08	62	288850	47.087 ug/l	99
37) Trichloroethene	8.80	130	192294	51.190 ug/l	99
38) Methylcyclohexane	9.05	83	240744	55.633 ug/l	99
39) 1,2-Dichloropropane	9.08	63	187736	49.178 ug/l	97
40) Dibromomethane	9.17	93	128072	48.218 ug/l	98

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

41) Bromodichloromethane	9.37	83	283637	50.613	ug/l	99
42) Vinyl Acetate	5.84	43	2488491	246.189	ug/l	100
43) Ethyl Acetate	6.88	43	226819	44.052	ug/l	98
44) Isopropyl Acetate	8.13	43	426954	49.140	ug/l #	90
45) 1,4-Dioxane	9.16	88	50842	935.295	ug/l	92
46) Methyl methacrylate	9.16	41	209967	48.977	ug/l	99
47) n-amyl Acetate	12.04	43	384226	49.631	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	319550	52.417	ug/l	95
49) cis-1,3-Dichloropropene	9.81	75	328099	51.788	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	173823	48.466	ug/l	98
51) Ethyl methacrylate	10.40	69	271826	51.435	ug/l	99
52) 1,3-Dichloropropane	10.68	76	296363	48.232	ug/l	99
53) Dibromochloromethane	10.87	129	221229	53.079	ug/l	97
54) 1,2-Dibromoethane	10.97	107	184193	49.059	ug/l	94
55) 2-Chloroethyl vinyl ether	9.66	63	708409	249.728	ug/l	100
56) Bromoform	12.10	173	154884	53.047	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	1164479	233.988	ug/l	99
59) 2-Hexanone	10.72	43	855982	230.089	ug/l	99
61) Tetrachloroethene	10.60	164	181283	53.953	ug/l	97
62) Toluene	10.12	91	783258	51.646	ug/l	98
64) Chlorobenzene	11.41	112	479572	51.806	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	193288	53.569	ug/l	98
66) Ethyl Benzene	11.48	91	903858	53.549	ug/l	99
67) m/p-Xylenes	11.60	106	660322	105.801	ug/l	100
68) o-Xylene	11.92	106	323514	54.181	ug/l	95
69) Styrene	11.94	104	548670	53.820	ug/l	99
70) Isopropylbenzene	12.22	105	856131	53.822	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	236889	48.527	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	352096	72.221	ug/l	48
73) Bromobenzene	12.50	156	205943	51.123	ug/l	97
74) n-propylbenzene	12.57	91	973060	52.576	ug/l	99
75) 2-Chlorotoluene	12.65	91	593430	52.517	ug/l	97
76) 1,3,5-Trimethylbenzene	12.71	105	732689	54.561	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	92639	50.911	ug/l	97
78) 4-Chlorotoluene	12.75	91	626740	52.618	ug/l	99
79) tert-butylbenzene	12.97	119	598148	55.197	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	723598	53.591	ug/l	98
81) sec-Butylbenzene	13.14	105	773318	54.439	ug/l	99
82) p-Isopropyltoluene	13.26	119	711459	54.919	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	366876	51.658	ug/l	98
84) 1,4-Dichlorobenzene	13.33	146	371438	52.260	ug/l	98
85) n-Butylbenzene	13.59	91	635884	56.169	ug/l	99
86) Hexachloroethane	13.85	117	123412	55.312	ug/l	95
87) 1,2-Dichlorobenzene	13.63	146	357737	51.700	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	58515	49.958	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	219670	59.480	ug/l	97
90) Hexachlorobutadiene	14.98	225	108523	56.795	ug/l	98
91) Naphthalene	15.10	128	667257	60.012	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	210220	59.245	ug/l	100

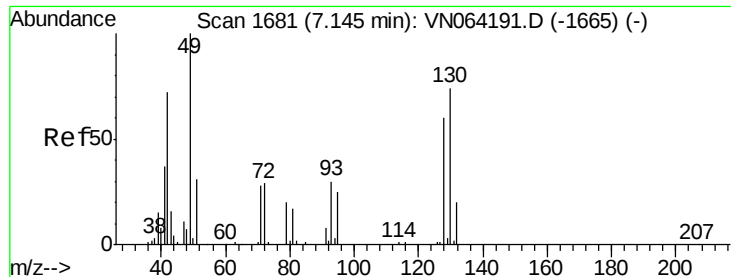
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

BNA_N

ClientSampleId :

VSTDIC050

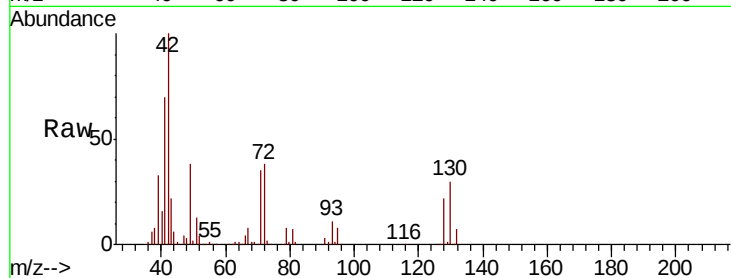
Tot Ion:128 Resp: 53705

Ion Ratio Lower Upper

128 100

49 175.0 0.0 433.3

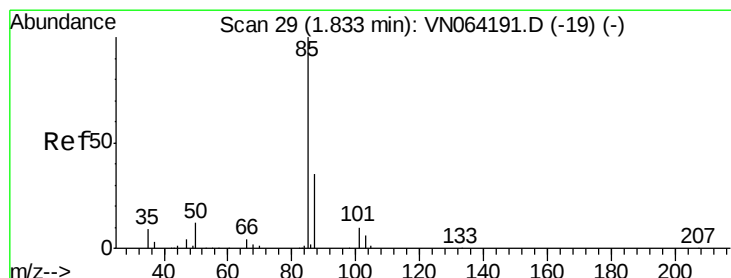
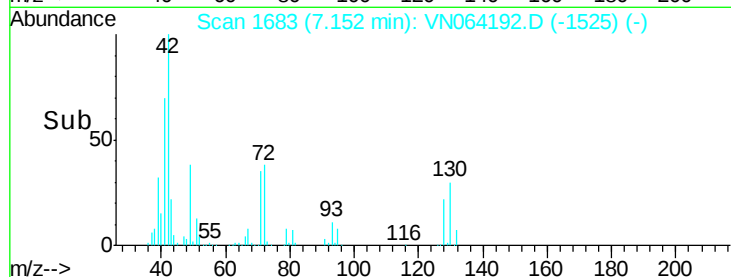
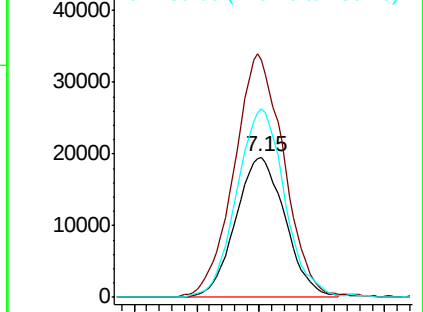
130 130.2 0.0 322.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 57.237 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064192.D

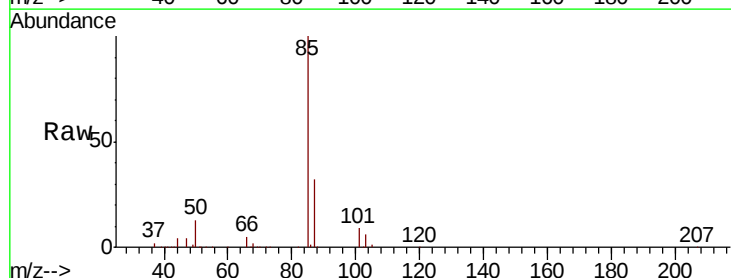
Acq: 20 Oct 2020 10:48

Tgt Ion: 85 Resp: 200811

Ion Ratio Lower Upper

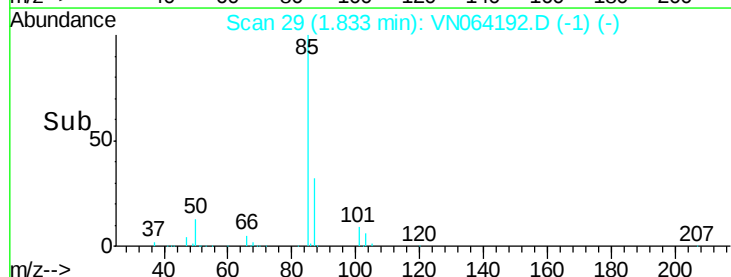
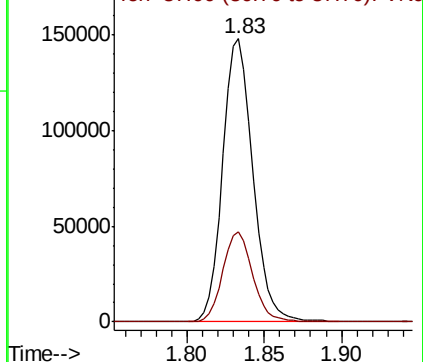
85 100

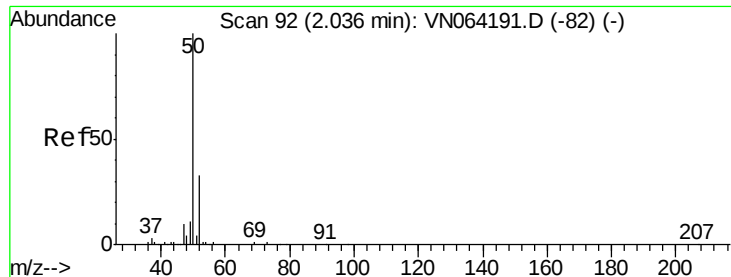
87 31.7 17.8 53.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 52.821 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

BNA_N

ClientSampleId :

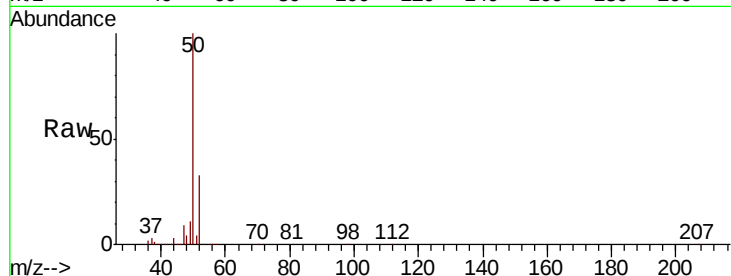
VSTDIC050

Tot Ion: 50 Resp: 192383

Ion Ratio Lower Upper

50 100

52 33.1 26.6 40.0



Abundance Ion 50.00 (49.70 to 50.70): VN064192.D (-82) (-)

Ion 52.00 (51.70 to 52.70): VN064192.D (-82) (-)

2.04

150000

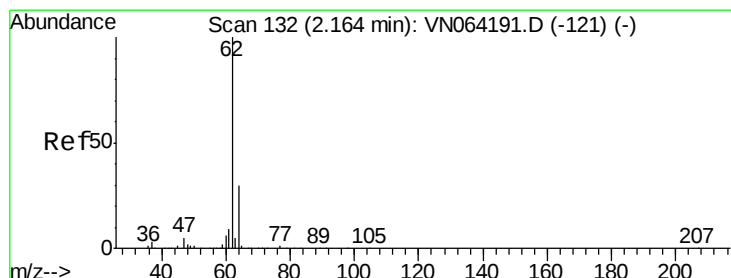
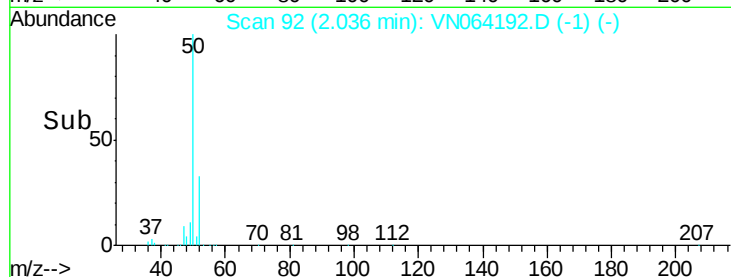
100000

50000

0

2.00 2.05 2.10

Time-->



#4

Vinyl Chloride

Concen: 53.333 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064192.D

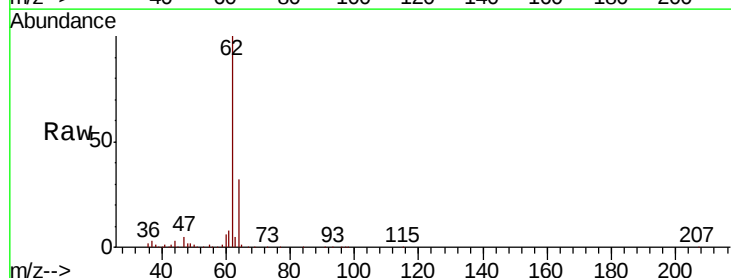
Acq: 20 Oct 2020 10:48

Tgt Ion: 62 Resp: 193242

Ion Ratio Lower Upper

62 100

64 31.8 24.4 36.6



Abundance Ion 62.00 (61.70 to 62.70): VN064192.D (-121) (-)

Ion 64.00 (63.70 to 64.70): VN064192.D (-121) (-)

2.16

150000

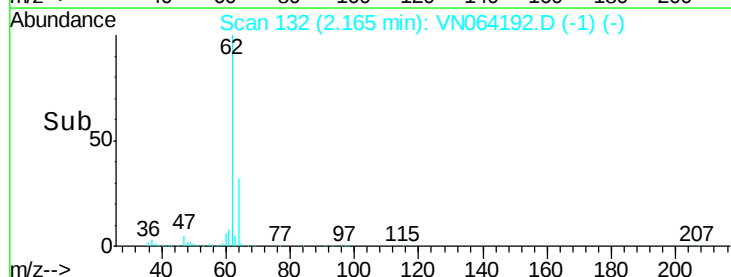
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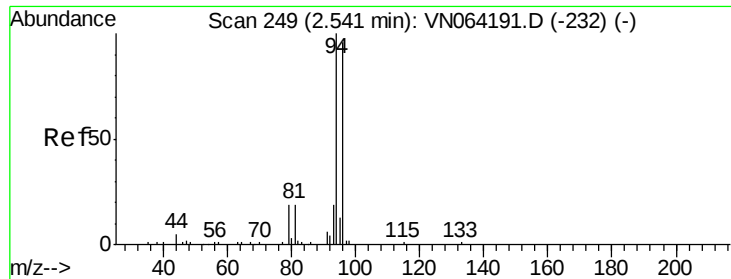
50000

0

2.10 2.15 2.20 2.25

Time-->

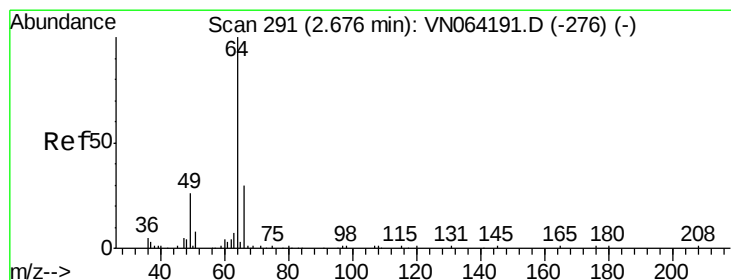
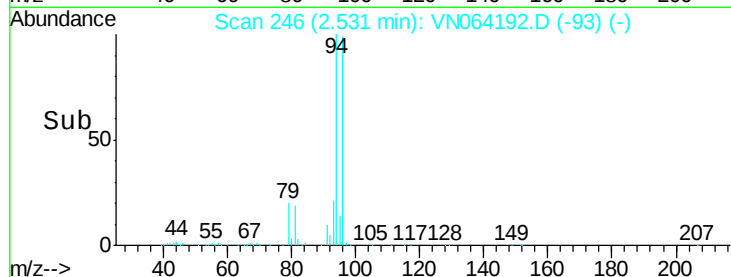
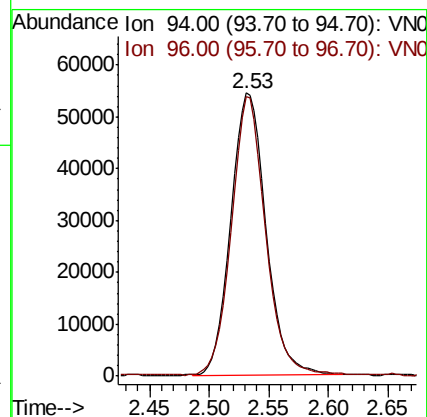
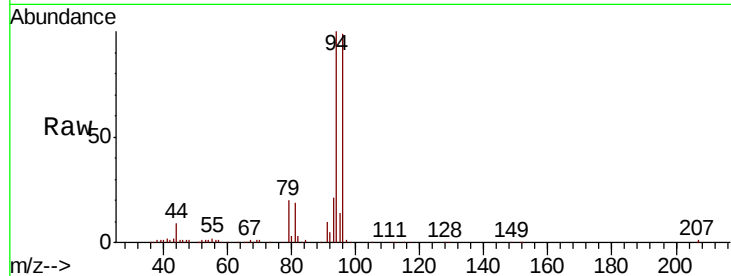




#5
Bromomethane
Concen: 48.775 ug/l
RT: 2.53 min Scan# 246
Delta R.T. -0.01 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

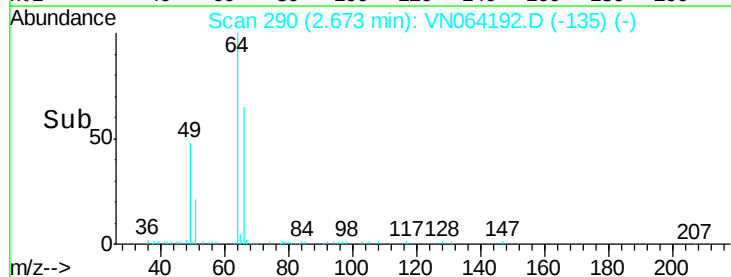
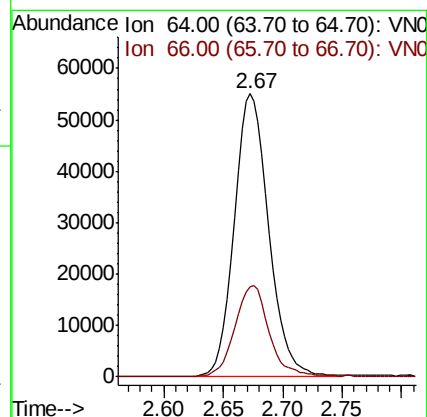
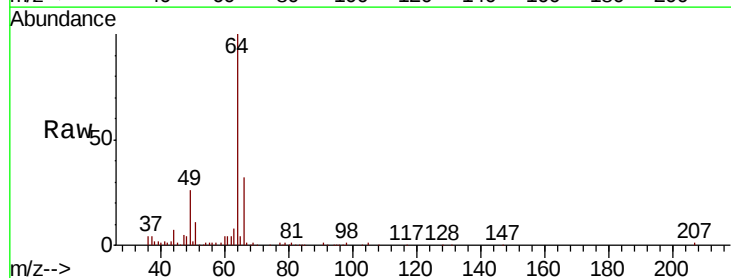
Instrument :
BNA_N
ClientSampleId :
VSTDIC050

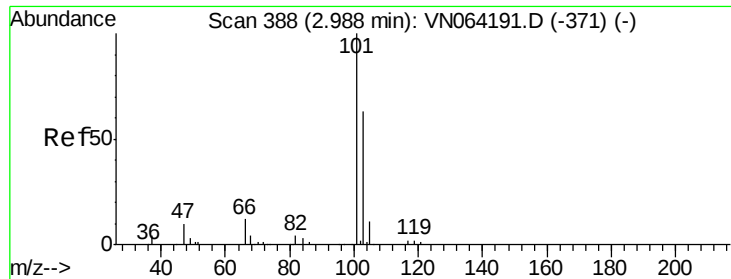
Tot Ion: 94 Resp: 111979
Ion Ratio Lower Upper
94 100
96 98.4 76.6 115.0



#6
Chloroethane
Concen: 49.354 ug/l
RT: 2.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Tgt Ion: 64 Resp: 110647
Ion Ratio Lower Upper
64 100
66 31.7 24.3 36.5



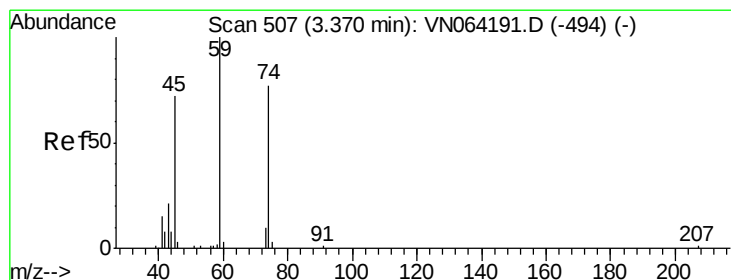
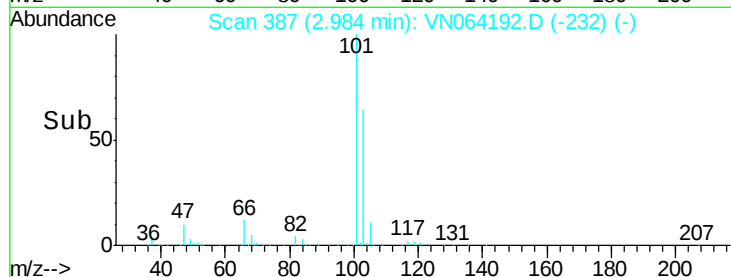
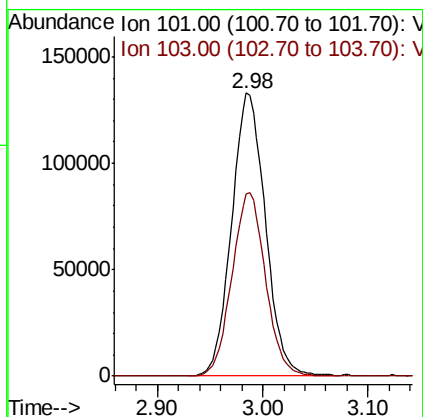
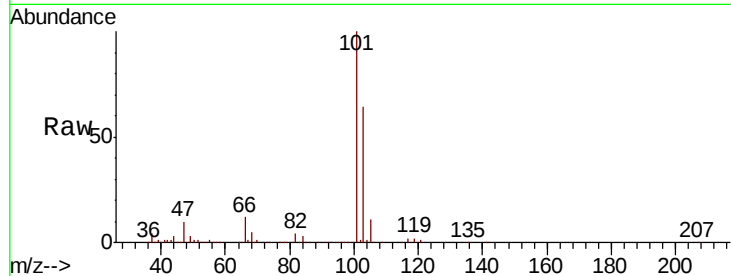


#7

Trichlorofluoromethane
 Concen: 50.871 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

Instrument :
 BNA_N
 ClientSampleId :
 VSTDIC050

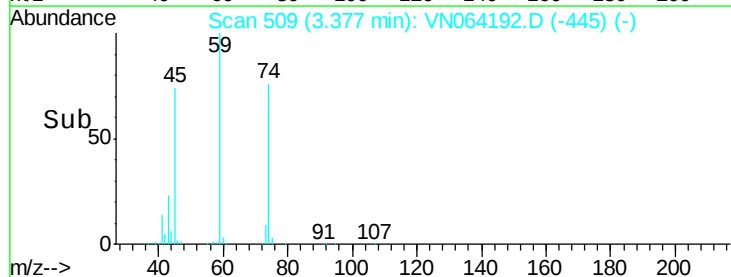
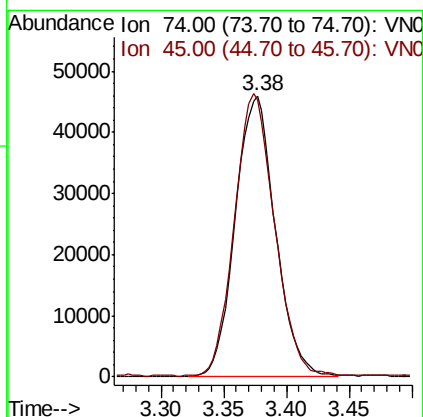
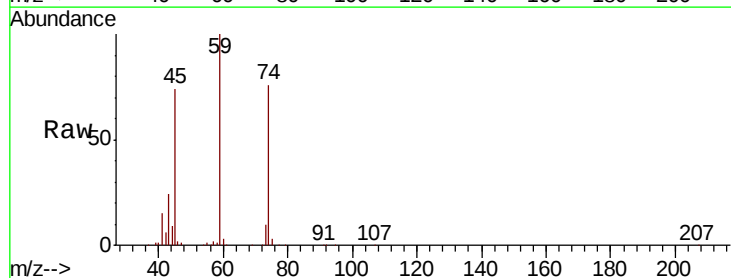
Tot Ion:101 Resp: 295088
 Ion Ratio Lower Upper
 101 100
 103 64.2 50.7 76.1

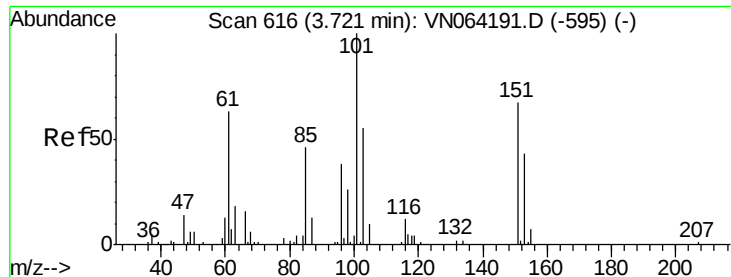


#8

Diethyl Ether
 Concen: 54.427 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

Tgt Ion: 74 Resp: 102214
 Ion Ratio Lower Upper
 74 100
 45 101.4 19.5 175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.525 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

BNA_N

ClientSampleId :

VSTDIC050

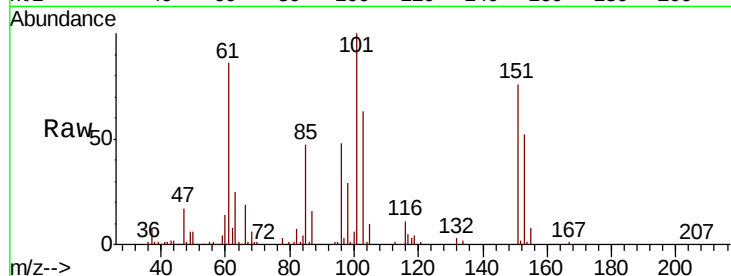
Tot Ion:101 Resp: 159950

Ion Ratio Lower Upper

101 100

85 45.7 0.0 94.0

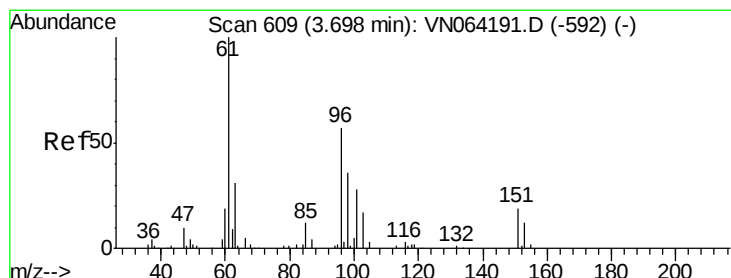
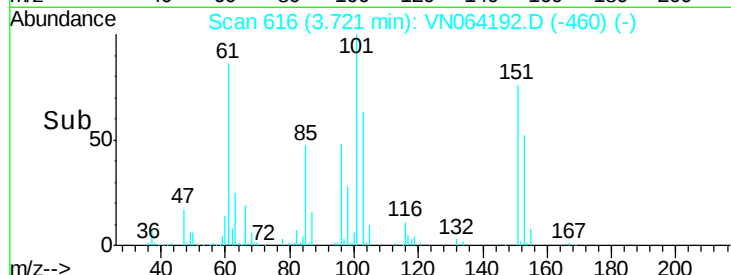
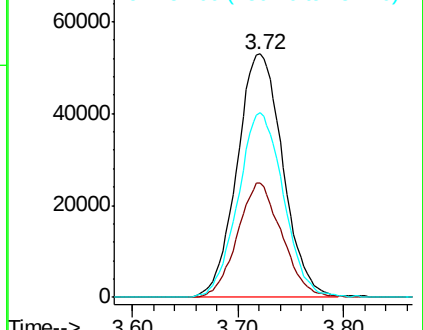
151 75.2 0.0 146.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 54.585 ug/l

RT: 3.70 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

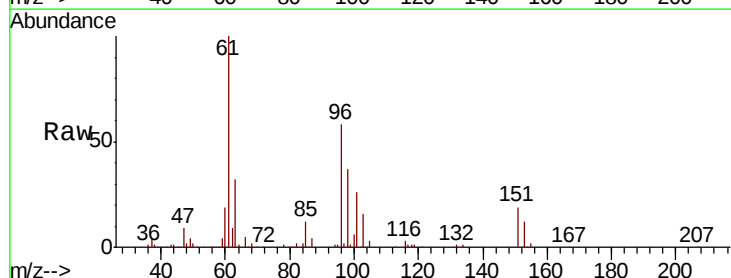
Tgt Ion: 96 Resp: 154213

Ion Ratio Lower Upper

96 100

61 172.6 141.0 211.4

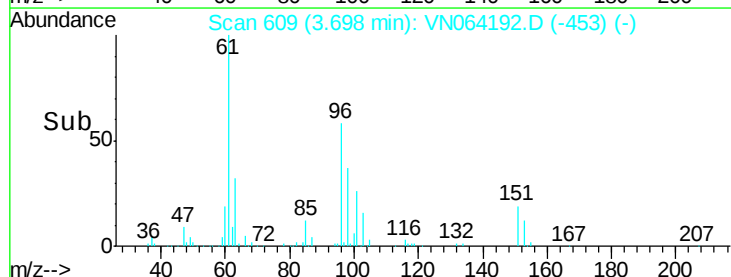
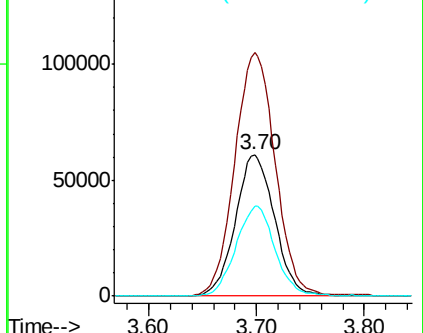
98 63.4 51.4 77.2

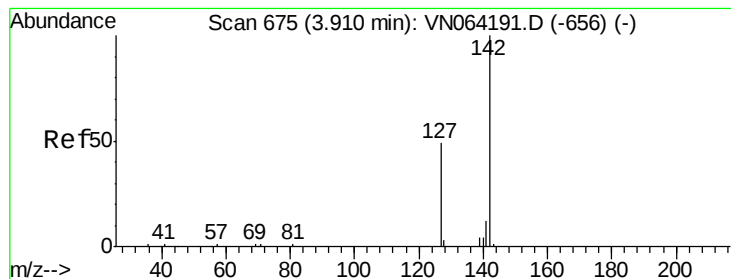


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN





#11

Methyl Iodide

Concen: 62.303 ug/l

RT: 3.91 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

BNA_N

ClientSampleId :

VSTDIC050

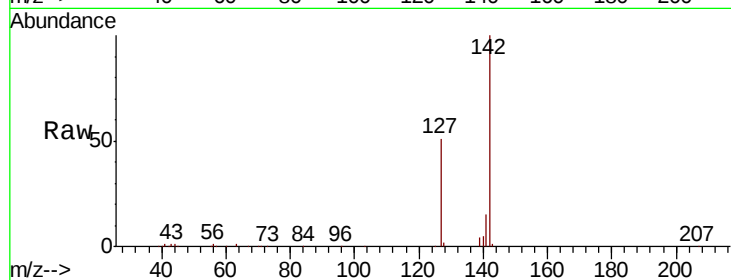
Tot Ion:142 Resp: 228520

Ion Ratio Lower Upper

142 100

127 50.8 24.5 73.5

141 14.6 6.0 18.1

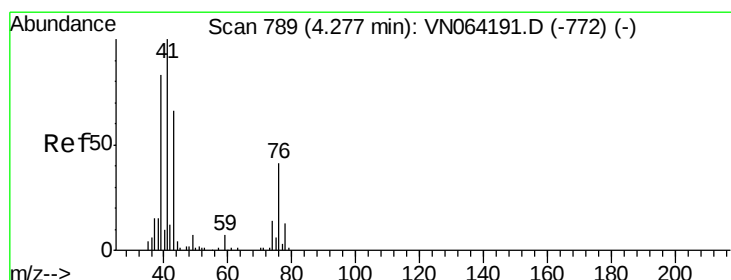
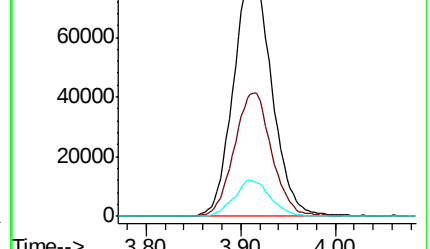
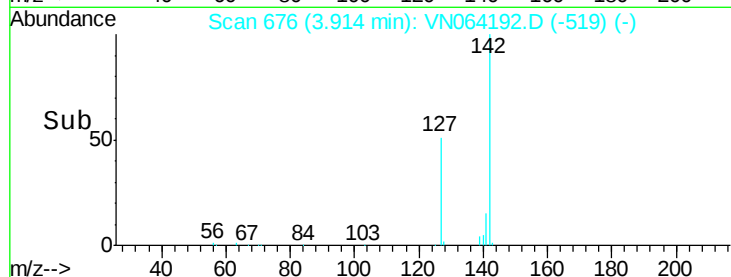


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

Time-->



#12

Methyl Acetate

Concen: 49.331 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN064192.D

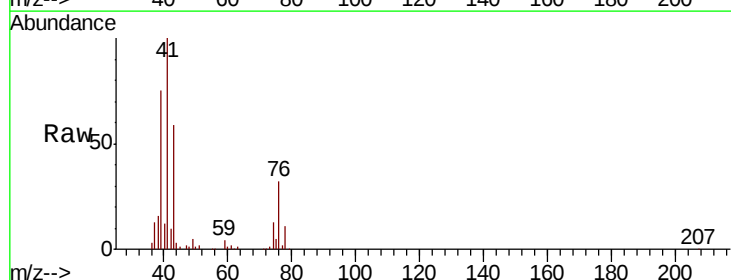
Acq: 20 Oct 2020 10:48

Tgt Ion: 43 Resp: 165442

Ion Ratio Lower Upper

43 100

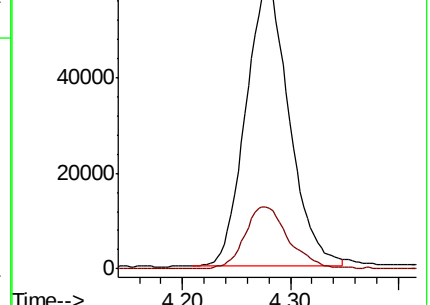
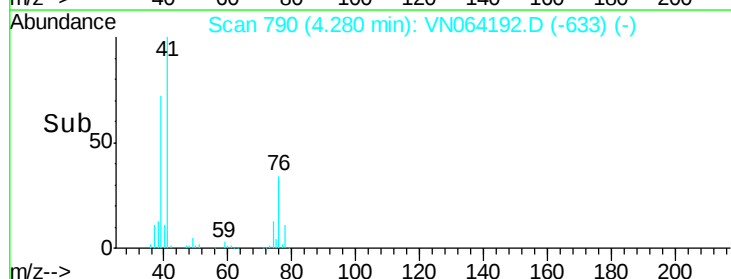
74 21.6 16.2 24.2

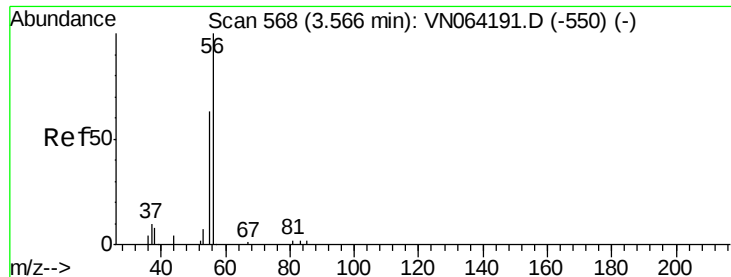


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V

Time-->





#13

Acrolein

Concen: 245.246 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

BNA_N

ClientSampleId :

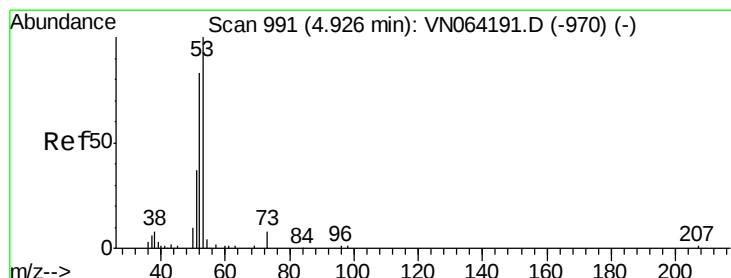
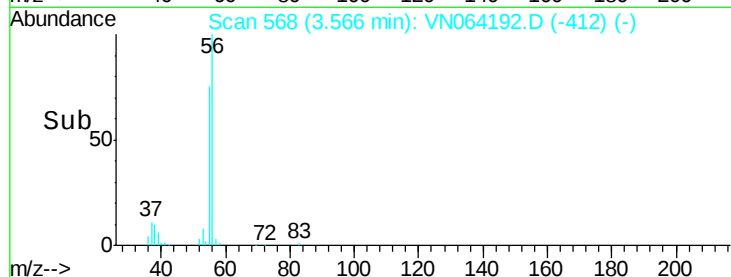
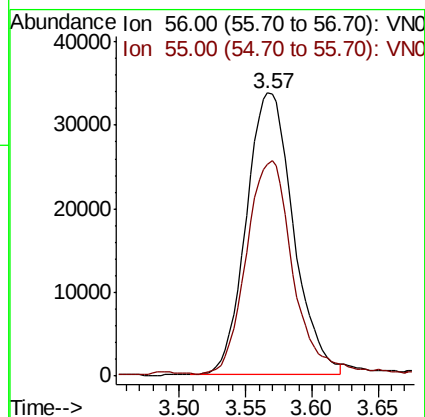
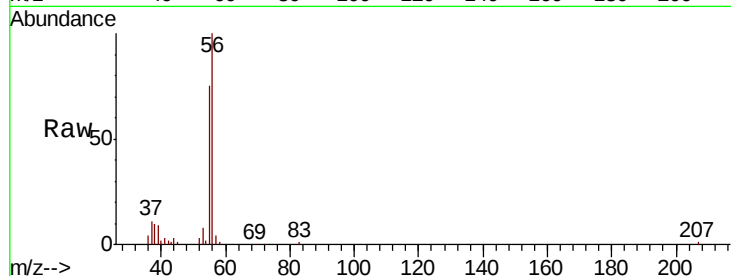
VSTDIC050

Tot Ion: 56 Resp: 83477

Ion Ratio Lower Upper

56 100

55 74.7 0.5 0.7#



#14

Acrylonitrile

Concen: 237.556 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.01 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

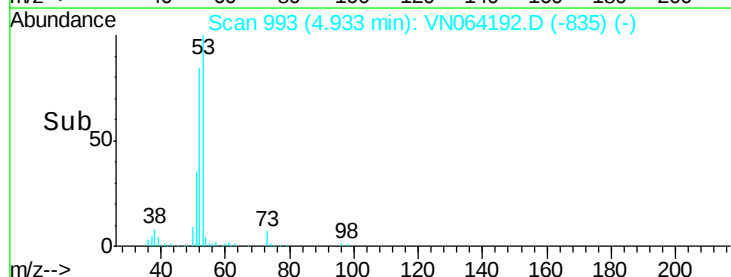
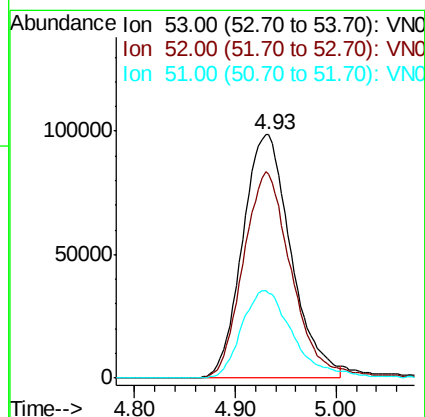
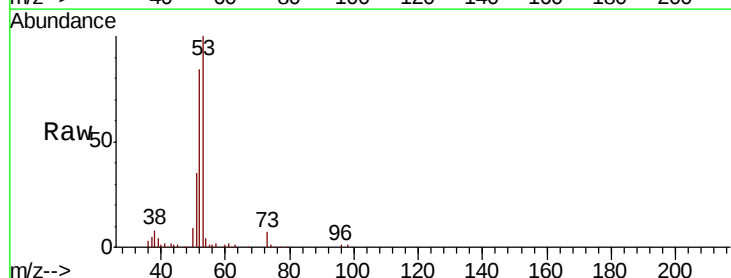
Tgt Ion: 53 Resp: 328702

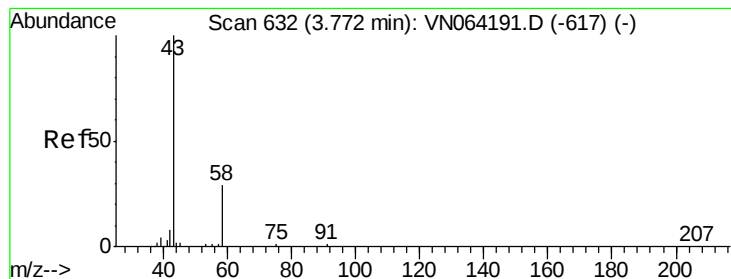
Ion Ratio Lower Upper

53 100

52 84.7 41.3 123.9

51 38.2 18.1 54.1





#15

Acetone

Concen: 231.657 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

BNA_N

ClientSampleId :

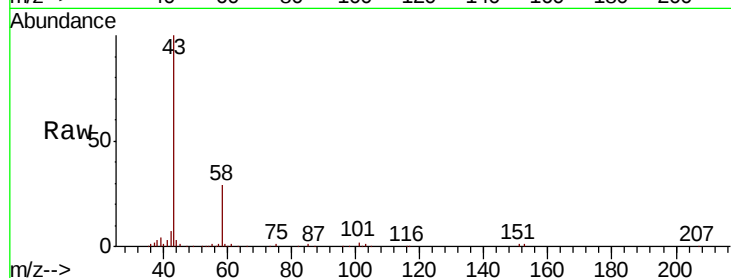
VSTDIC050

Tot Ion: 58 Resp: 90505

Ion Ratio Lower Upper

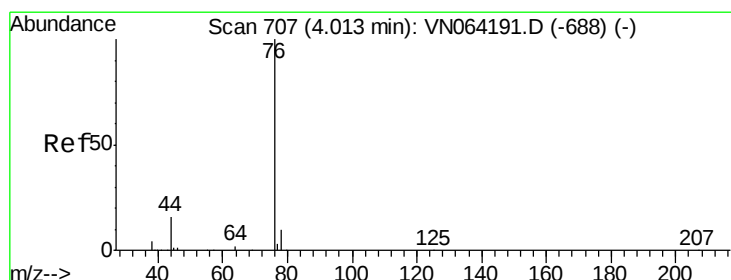
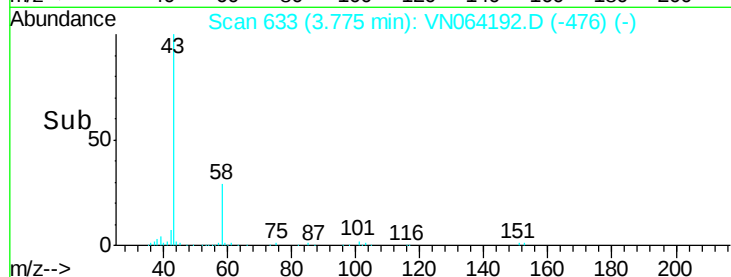
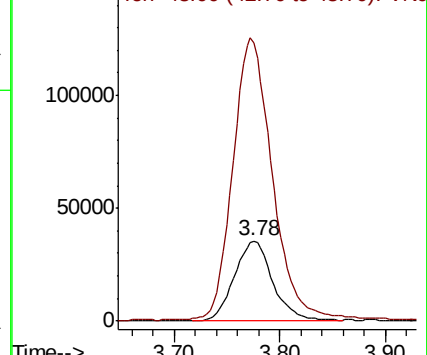
58 100

43 343.2 272.1 408.1



Abundance Ion 58.00 (57.70 to 58.70): VN064192.D (-476) (-)

Ion 43.00 (42.70 to 43.70): VN064192.D (-476) (-)



#16

Carbon Disulfide

Concen: 52.618 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064192.D

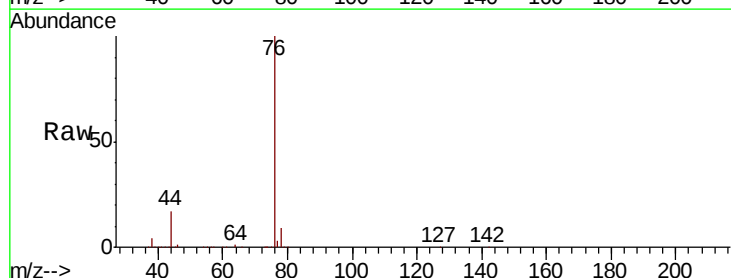
Acq: 20 Oct 2020 10:48

Tgt Ion: 76 Resp: 438174

Ion Ratio Lower Upper

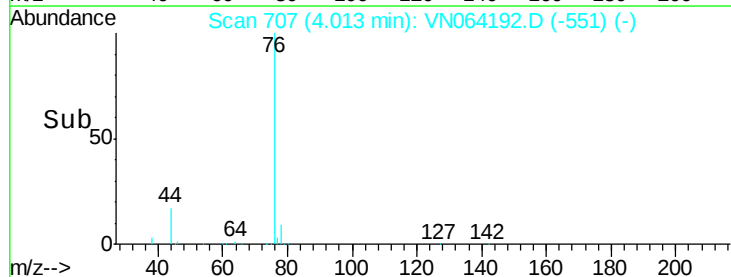
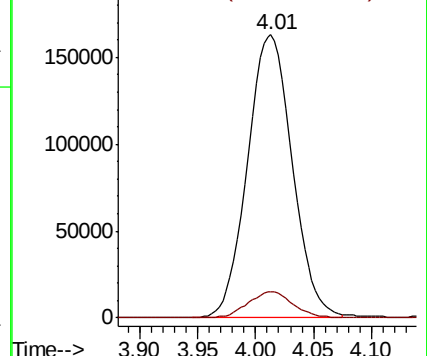
76 100

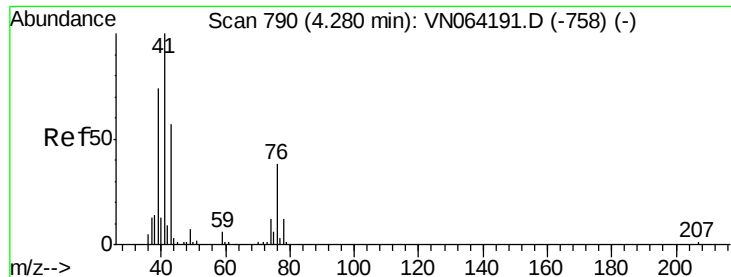
78 9.4 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VN064192.D (-551) (-)

Ion 78.00 (77.70 to 78.70): VN064192.D (-551) (-)

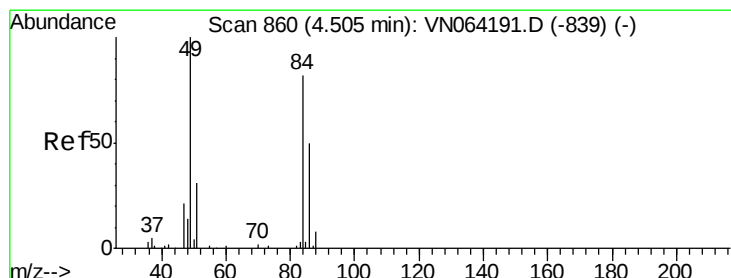
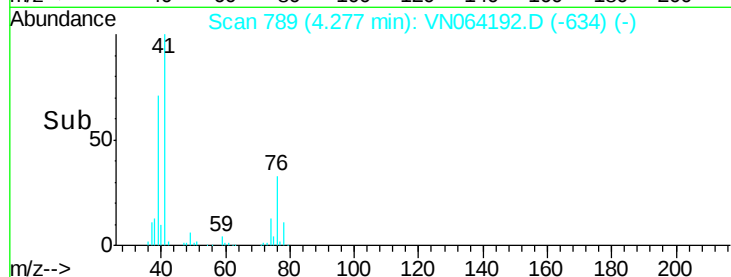
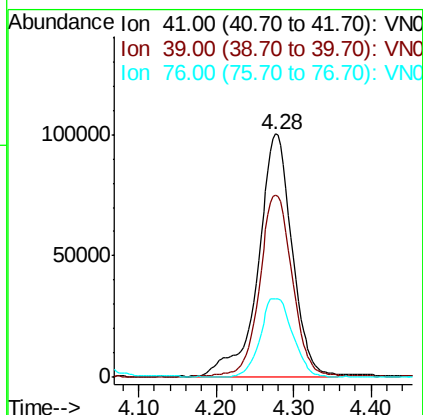
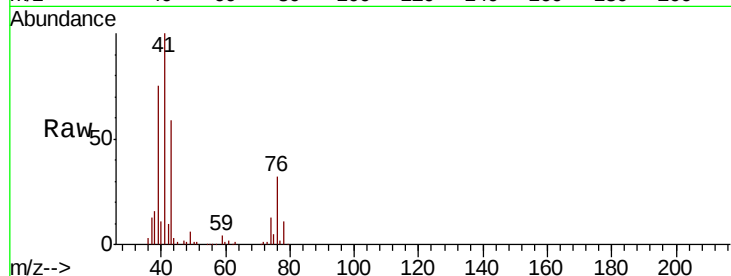




#17
Allvl chloride
Concen: 58.719 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

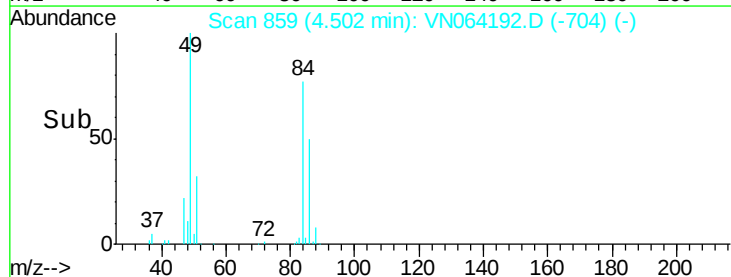
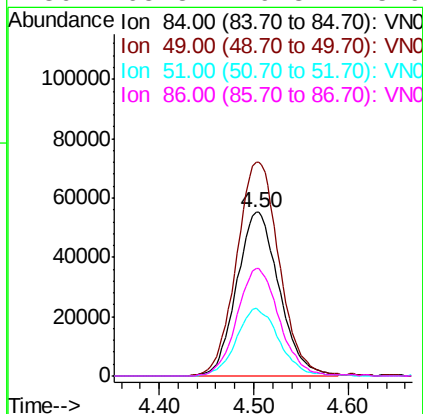
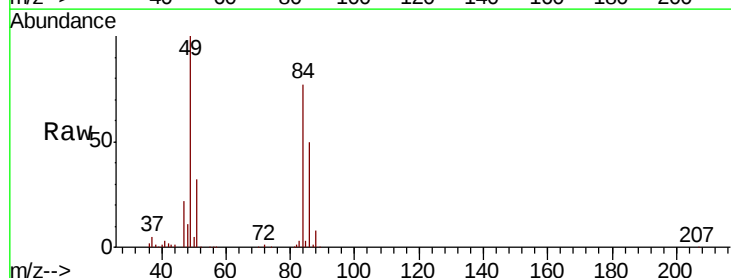
Instrument :
BNA_N
ClientSampleId :
VSTDIC050

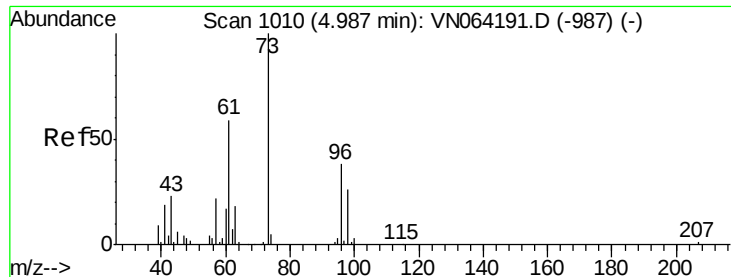
Tot Ion: 41 Resp: 304141
Ion Ratio Lower Upper
41 100
39 74.5 36.8 110.4
76 32.1 18.8 56.4



#18
Methylene Chloride
Concen: 51.909 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Tgt Ion: 84 Resp: 171996
Ion Ratio Lower Upper
84 100
49 130.1 97.6 146.4
51 41.1 31.1 46.7
86 65.8 49.3 73.9

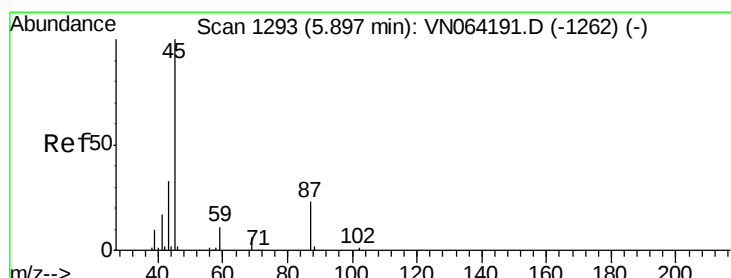
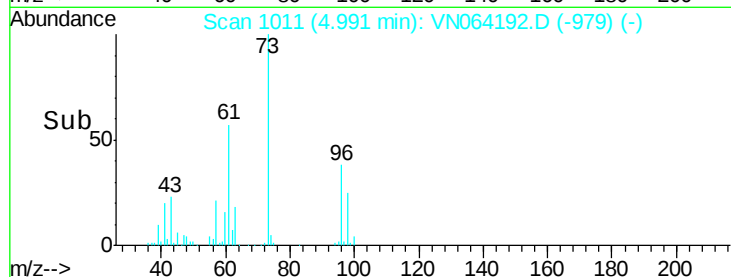
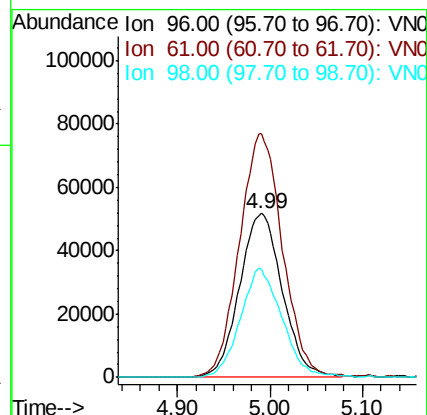
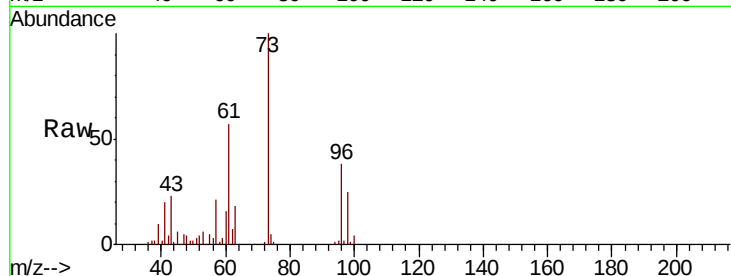




#19
trans-1,2-Dichloroethene
Concen: 51.779 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

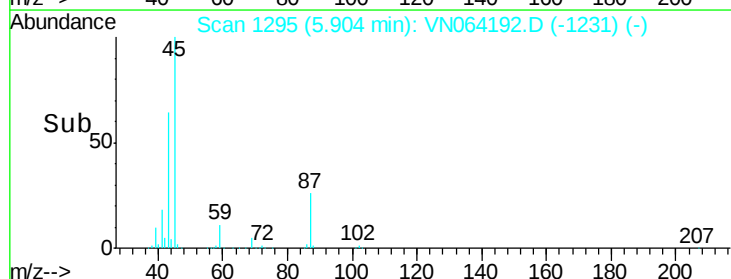
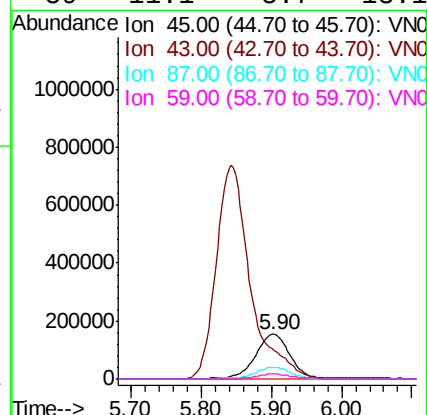
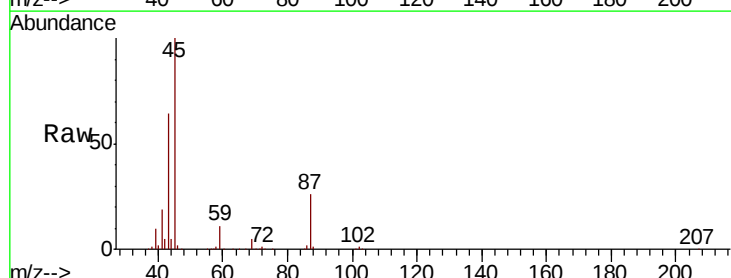
Instrument :
BNA_N
ClientSampleId :
VSTDIC050

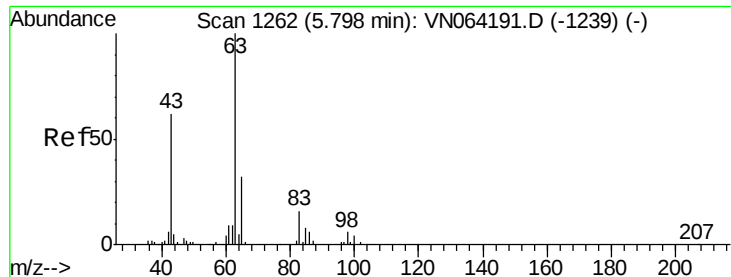
Tot Ion: 96 Resp: 164941
Ion Ratio Lower Upper
96 100
61 148.4 125.5 188.3
98 65.6 54.7 82.1



#20
Diisopropyl ether
Concen: 50.938 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Tgt Ion: 45 Resp: 530065
Ion Ratio Lower Upper
45 100
43 62.1 55.1 82.7
87 26.1 19.4 29.2
59 11.1 8.7 13.1





#21

1,1-Dichloroethane

Concen: 51.382 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

BNA_N

ClientSampleId :

VSTDIC050

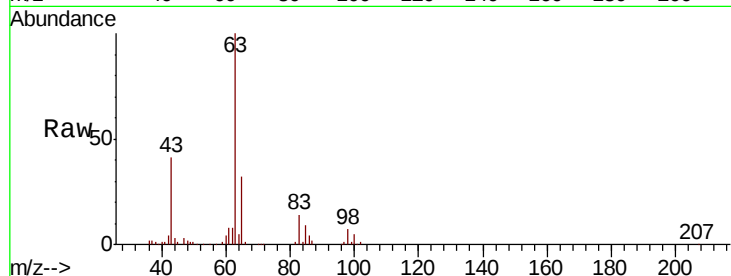
Tot Ion: 63 Resp: 322404

Ion Ratio Lower Upper

63 100

98 6.6 2.9 8.7

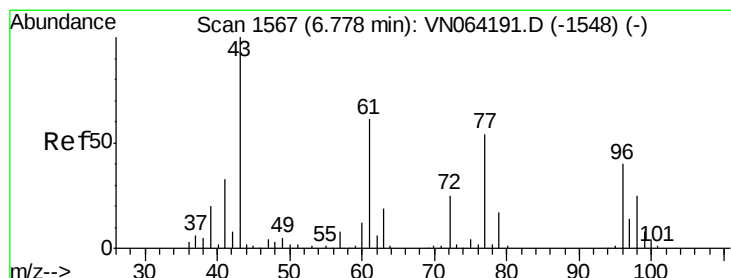
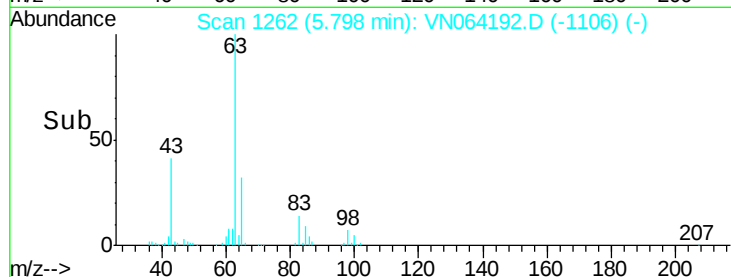
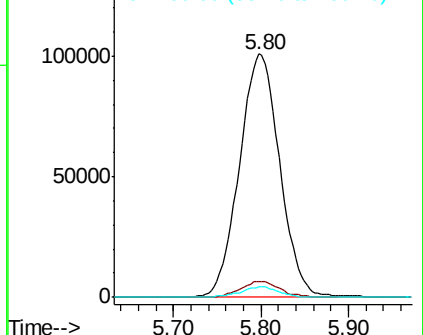
100 4.5 2.1 6.3



Abundance Ion 63.00 (62.70 to 63.70): VN064192.D (-1106) (-)

Ion 98.00 (97.70 to 98.70): VN064192.D (-1106) (-)

Ion 100.00 (99.70 to 100.70): VN064192.D (-1106) (-)



#22

cis-1,2-Dichloroethene

Concen: 52.439 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

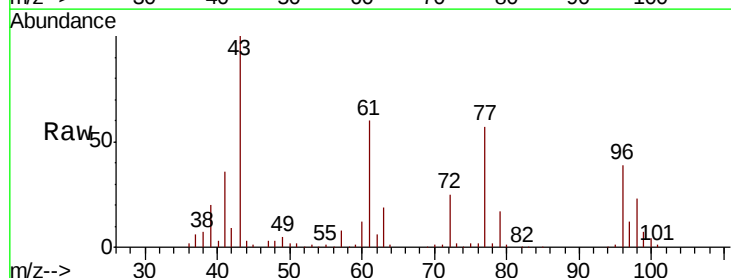
Tgt Ion: 96 Resp: 190664

Ion Ratio Lower Upper

96 100

61 160.9 126.2 189.4

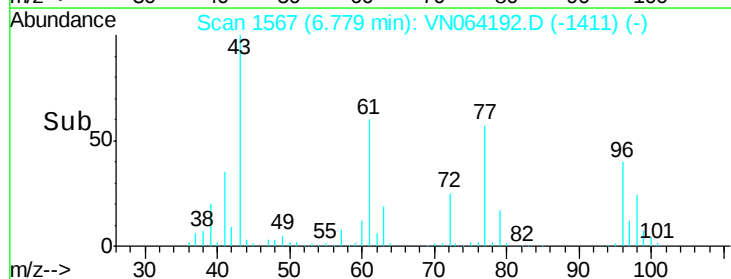
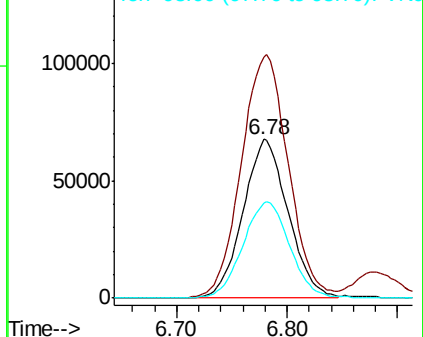
98 63.4 50.2 75.4

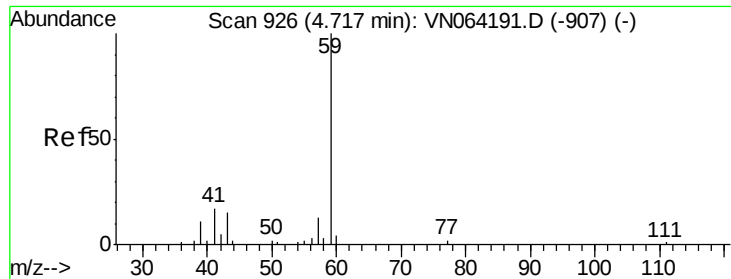


Abundance Ion 96.00 (95.70 to 96.70): VN064192.D (-1411) (-)

Ion 61.00 (60.70 to 61.70): VN064192.D (-1411) (-)

Ion 98.00 (97.70 to 98.70): VN064192.D (-1411) (-)



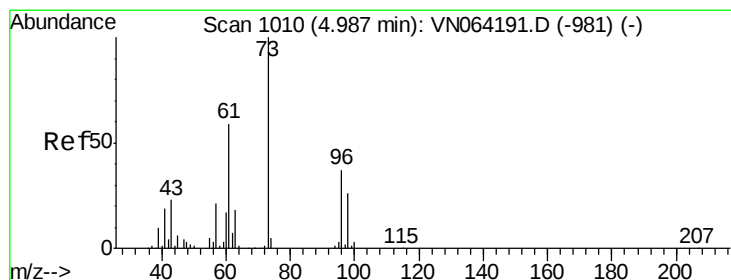
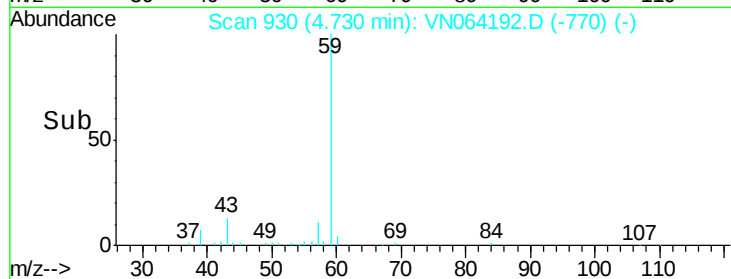
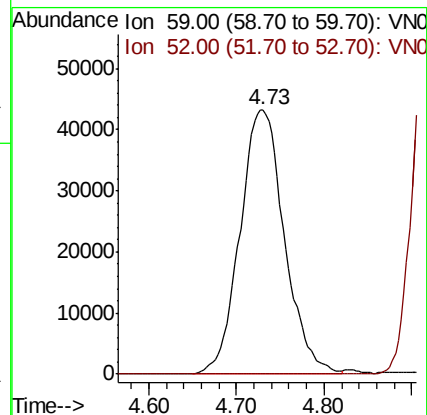
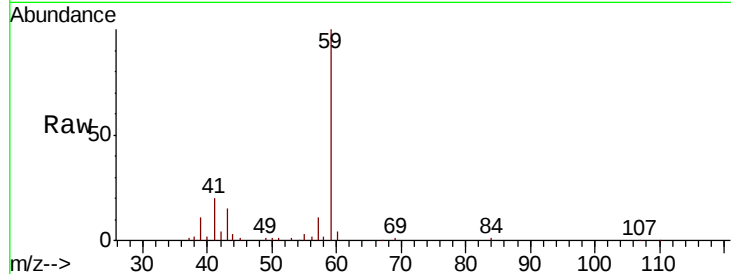


#23

tert-Butyl Alcohol
 Concen: 256.507 ug/l
 RT: 4.73 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

Instrument :
 BNA_N
 ClientSampleId :
 VSTDIC050

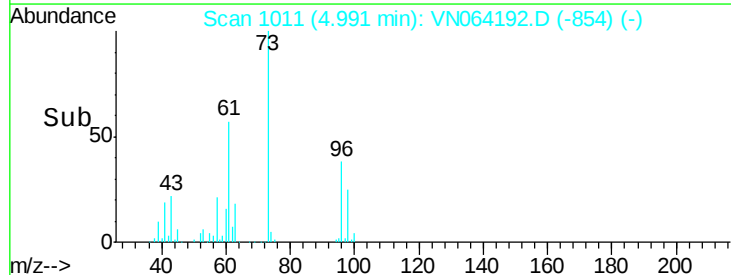
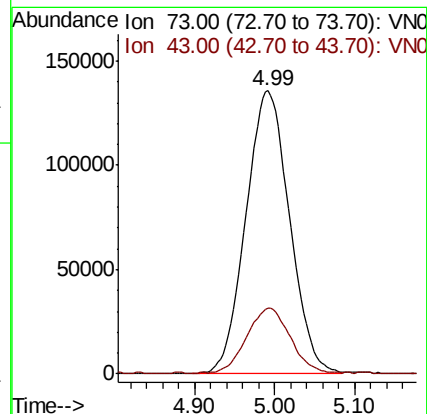
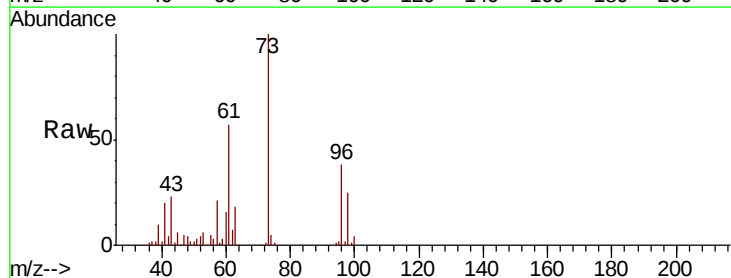
Tot Ion: 59 Resp: 152254
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

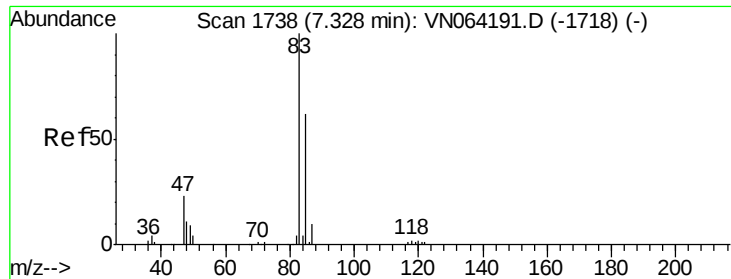


#24

Methyl tert-Butyl Ether
 Concen: 53.763 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

Tgt Ion: 73 Resp: 507374
 Ion Ratio Lower Upper
 73 100
 43 22.8 18.2 27.2

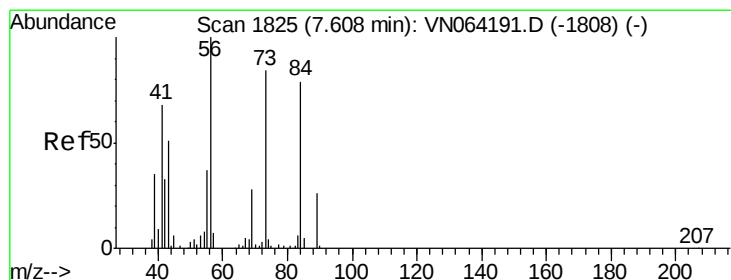
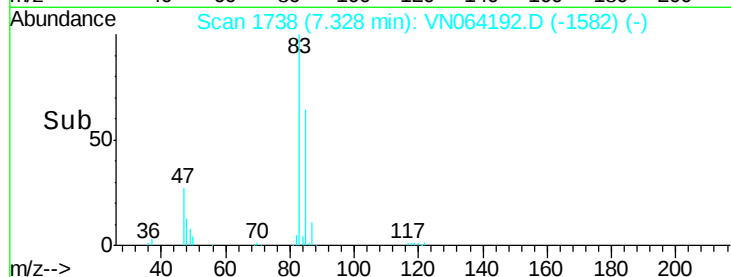
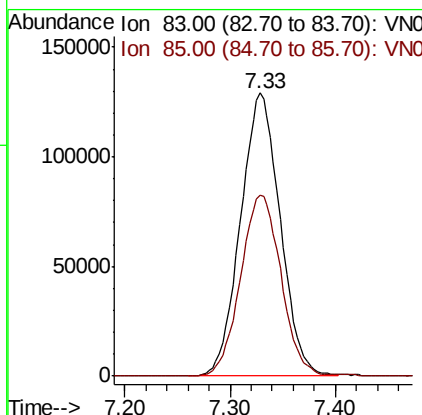
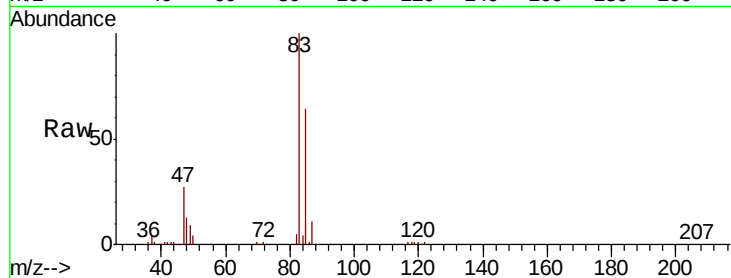




#25
Chloroform
Concen: 51.335 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

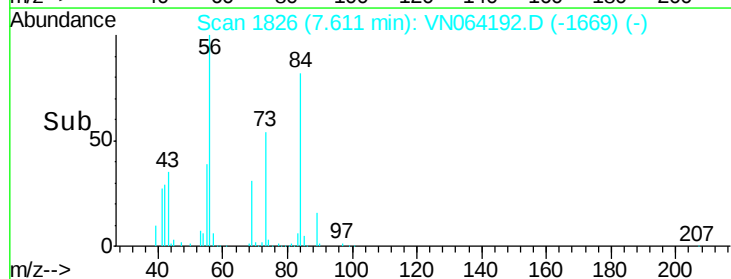
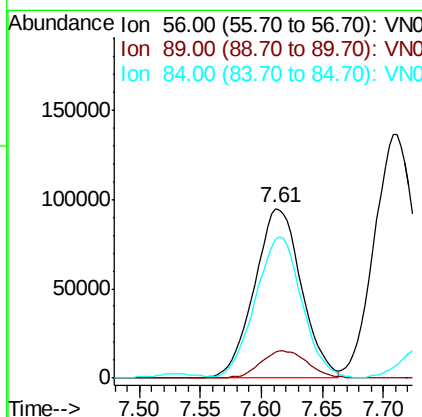
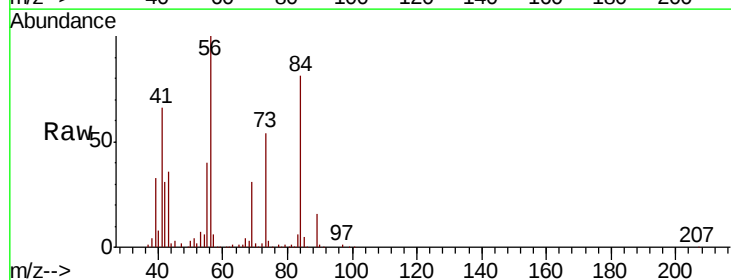
Instrument :
BNA_N
ClientSampleId :
VSTDIC050

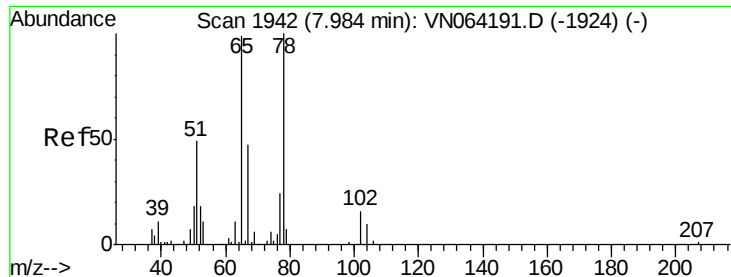
Tot Ion: 83 Resp: 337275
Ion Ratio Lower Upper
83 100
85 64.0 49.7 74.5



#26
Cyclohexane
Concen: 54.824 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Tgt Ion: 56 Resp: 254010
Ion Ratio Lower Upper
56 100
89 16.0 21.4 32.0#
84 82.3 65.8 98.6





#27

1,2-Dichloroethane-d4

Concen: 28.015 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

BNA_N

ClientSampleId :

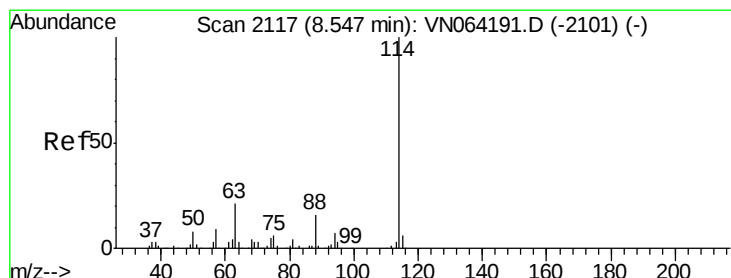
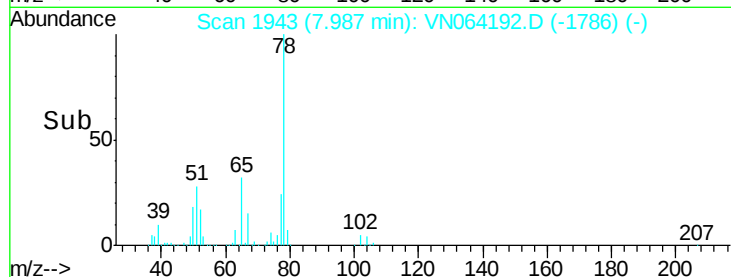
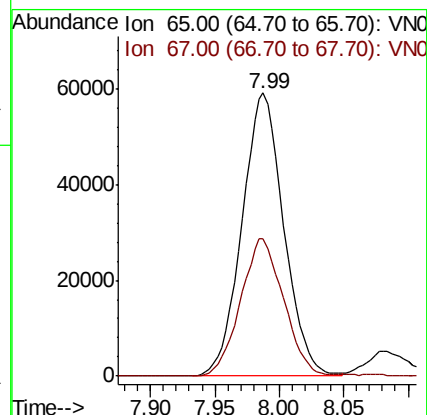
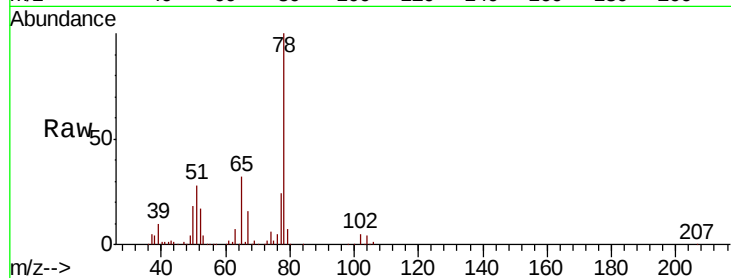
VSTDIC050

Tot Ion: 65 Resp: 133420

Ion Ratio Lower Upper

65 100

67 49.5 39.8 59.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

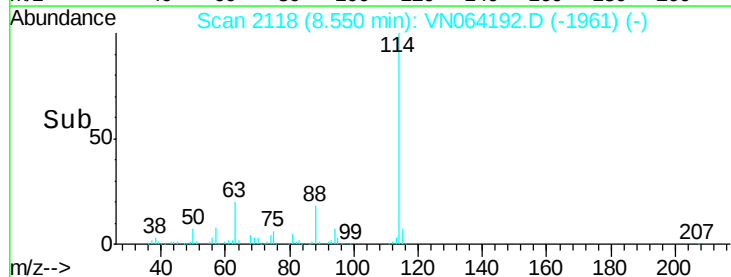
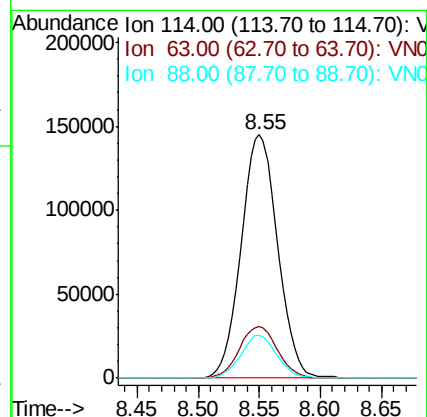
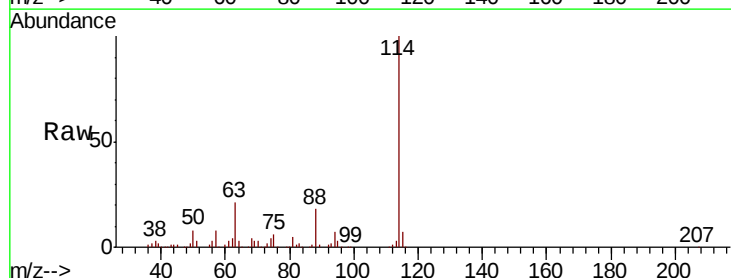
Tgt Ion: 114 Resp: 299509

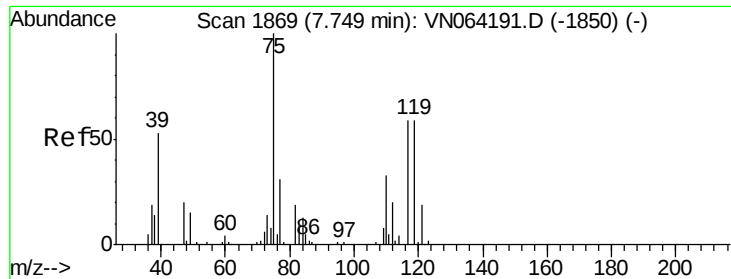
Ion Ratio Lower Upper

114 100

63 22.0 17.0 25.4

88 17.3 13.0 19.4

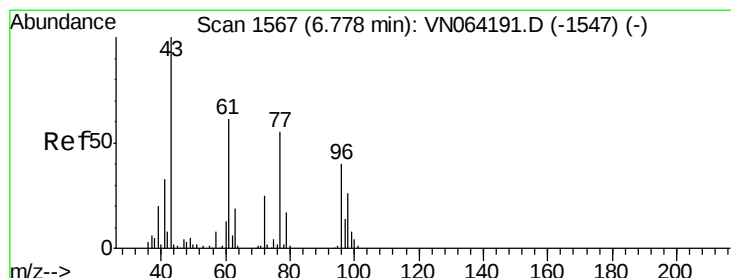
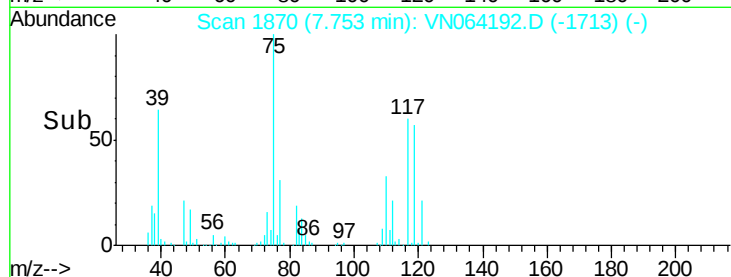
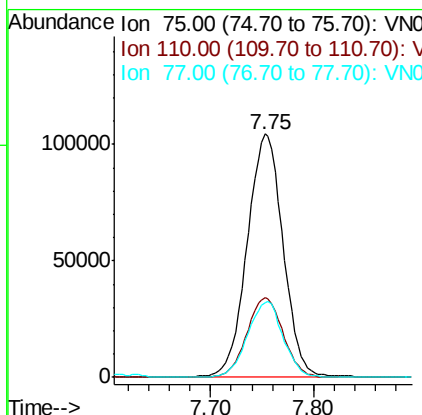
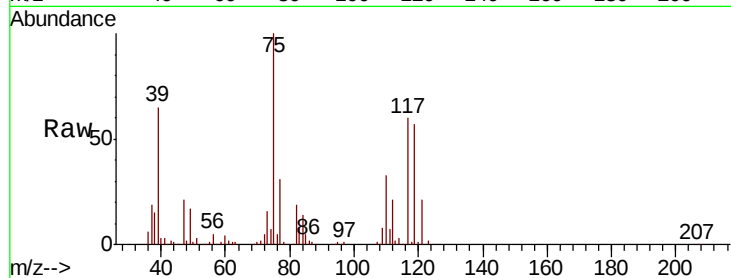




#29
 1,1-Dichloropropene
 Concen: 50.235 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

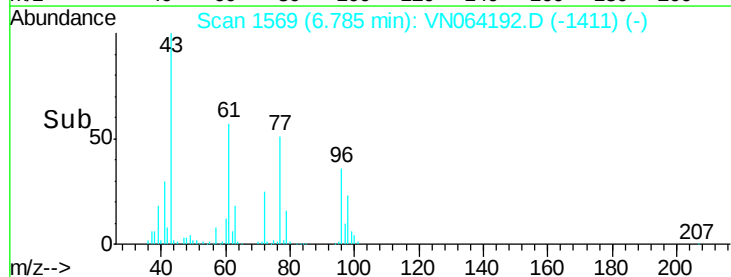
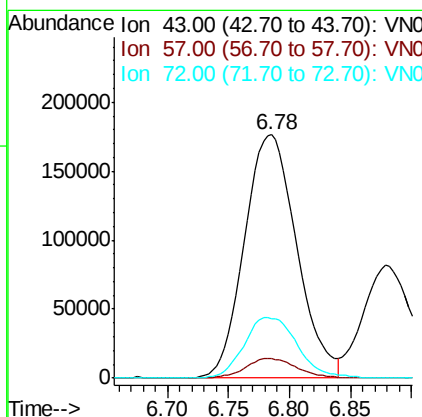
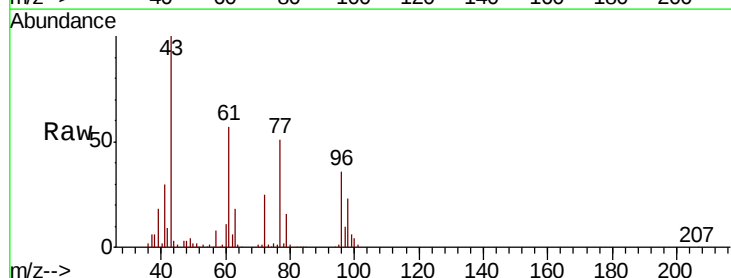
Instrument :
 BNA_N
 ClientSampleId :
 VSTDIC050

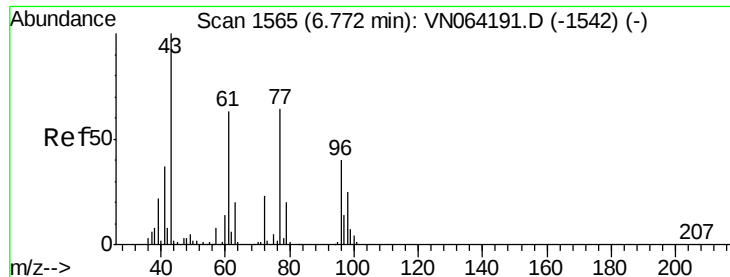
Tot Ion	Ratio	Lower	Upper
75	100		
110	33.0	0.0	66.8
77	31.1	0.0	63.6



#30
 2-Butanone
 Concen: 219.221 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	5.8	8.6
72	25.7	19.8	29.8





#31

2,2-Dichloropropane

Concen: 52.593 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

BNA_N

ClientSampleId :

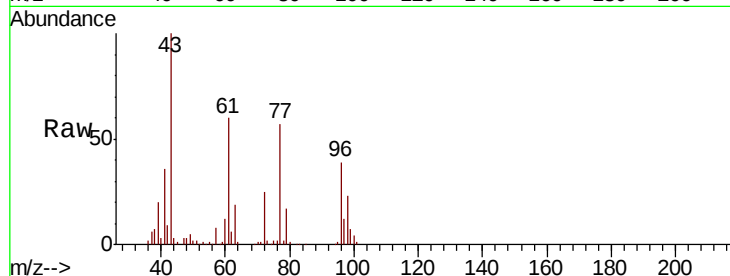
VSTDIC050

Tot Ion: 77 Resp: 317562

Ion Ratio Lower Upper

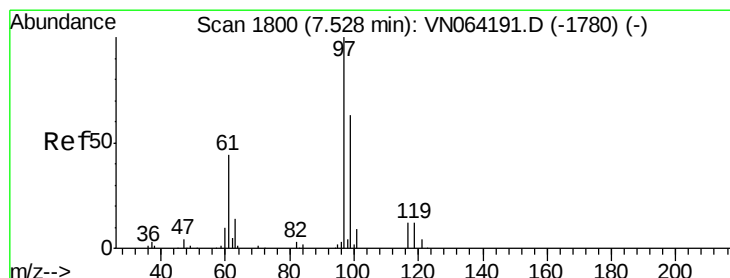
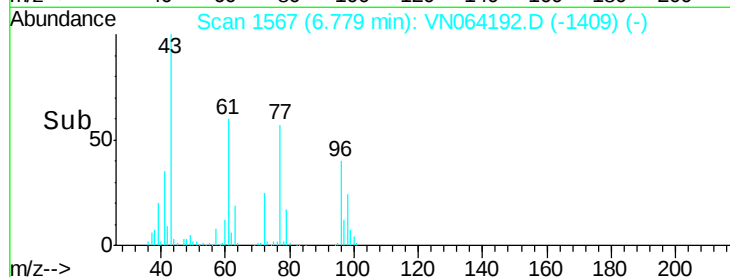
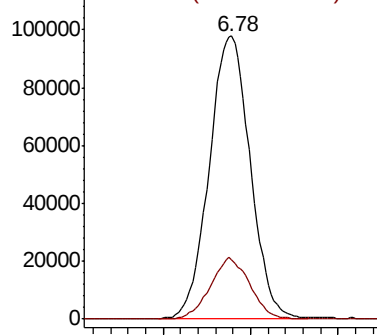
77 100

97 20.8 17.3 25.9



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 50.548 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

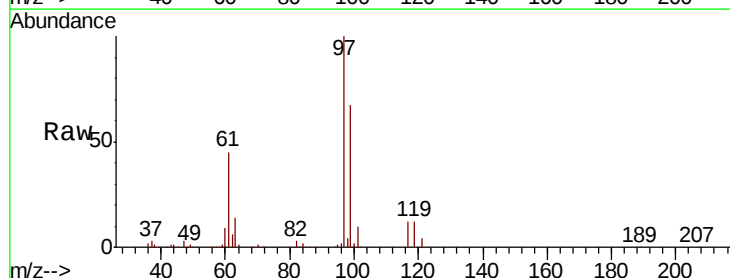
Tgt Ion: 97 Resp: 321350

Ion Ratio Lower Upper

97 100

99 65.5 51.3 76.9

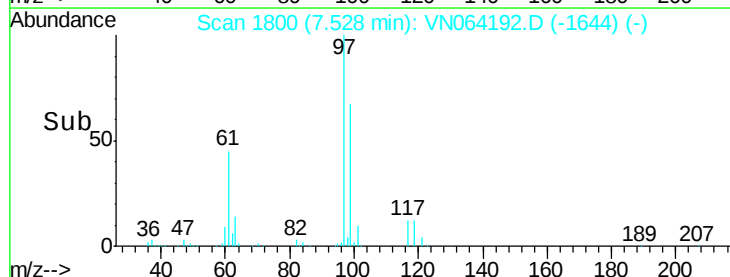
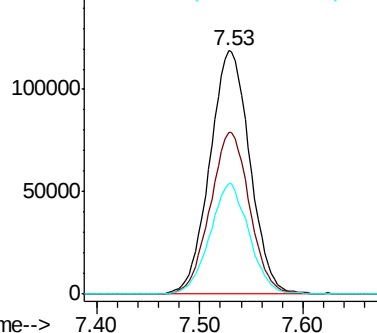
61 44.3 34.8 52.2

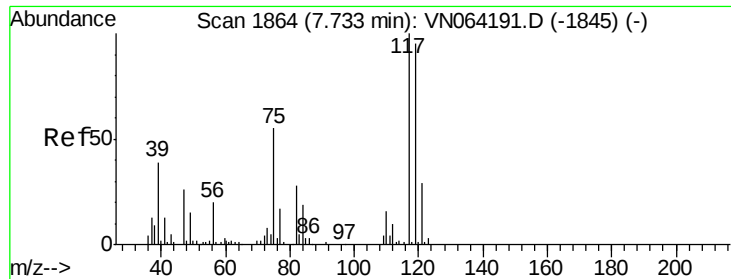


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

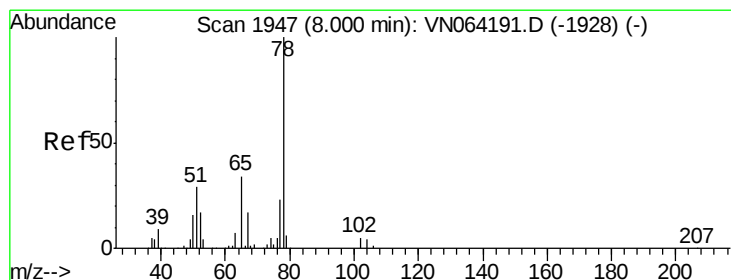
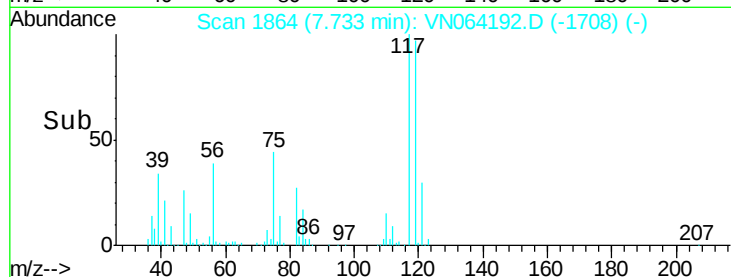
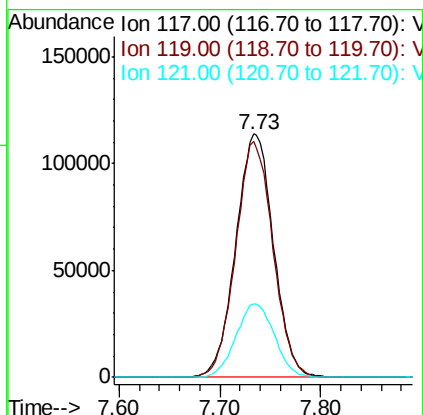
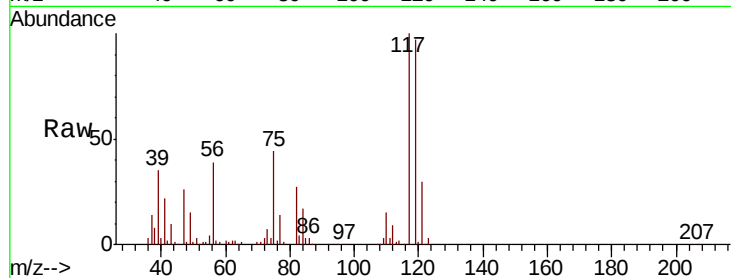




#33
Carbon Tetrachloride
Concen: 52.476 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

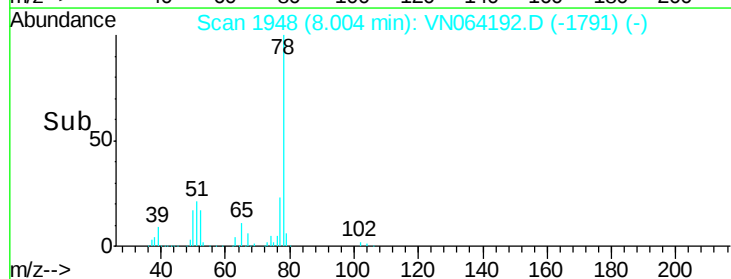
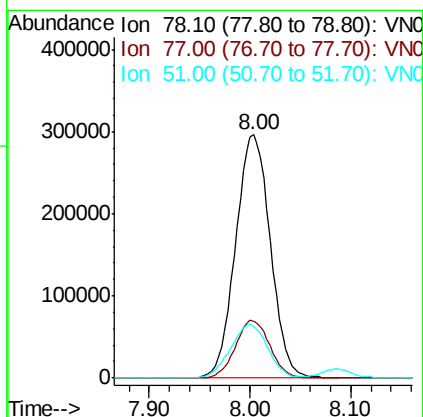
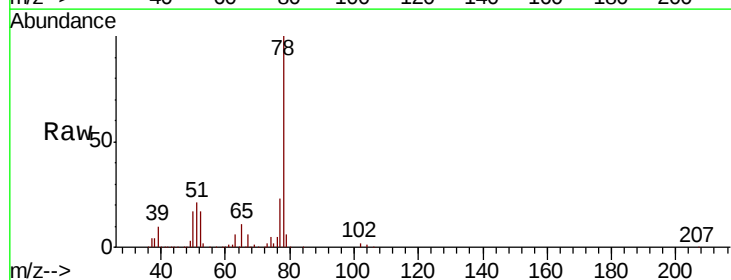
Instrument :
BNA_N
ClientSampleId :
VSTDIC050

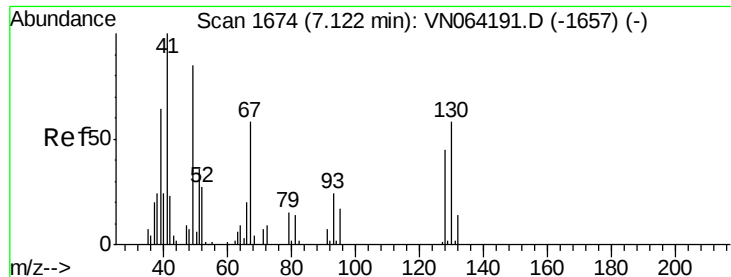
Tot Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.0	114.0
121	30.3	23.0	34.6



#34
Benzene
Concen: 50.073 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.4	27.6
51	21.3	23.0	34.6#

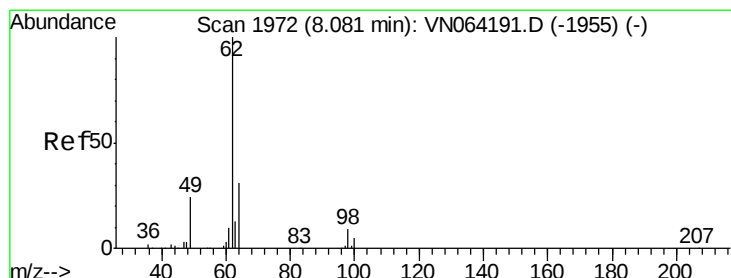
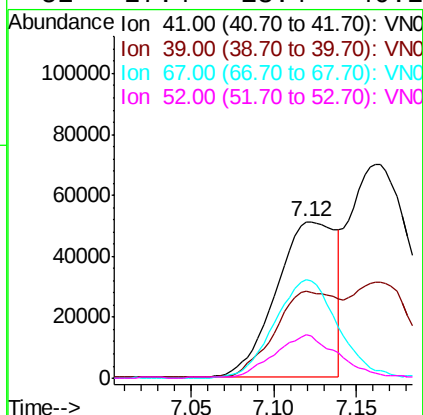
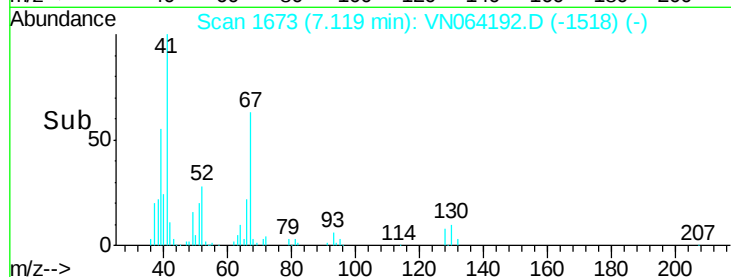
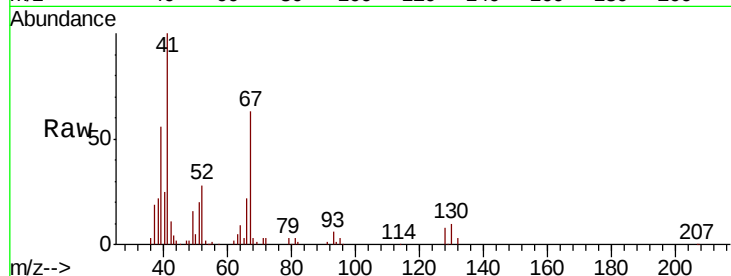




#35
Methacrylonitrile
Concen: 54.537 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

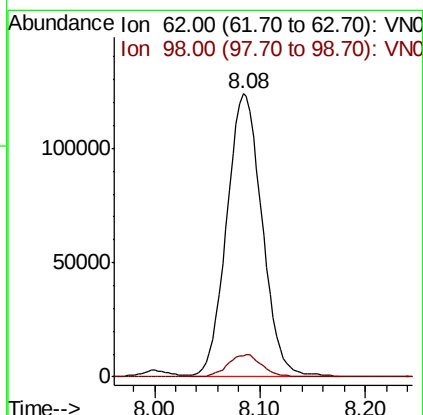
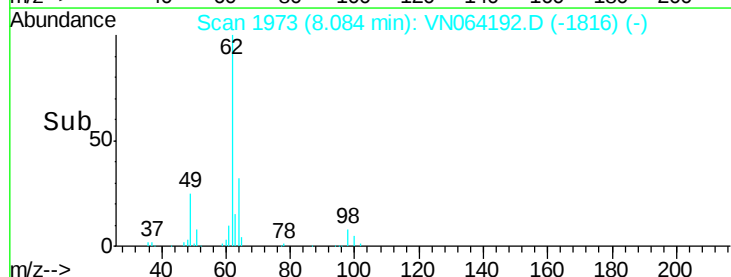
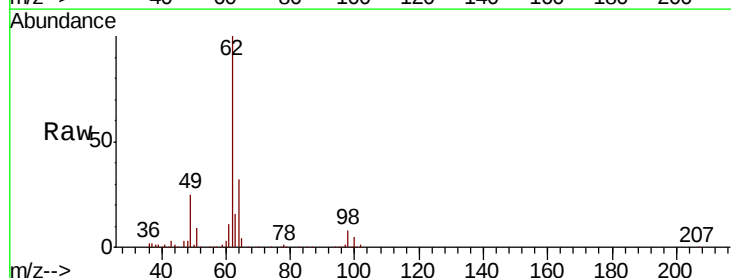
Instrument :
BNA_N
ClientSampleId :
VSTDIC050

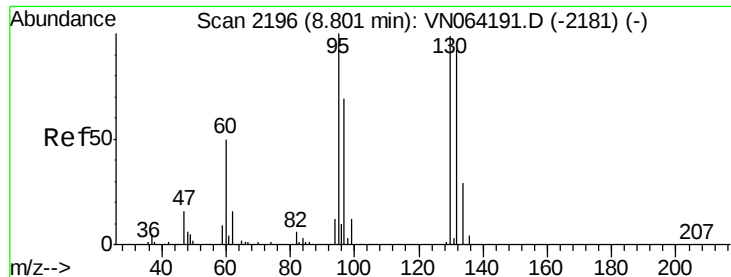
Tot Ion:	41	Resp:	127349
Ion	Ratio	Lower	Upper
41	100		
39	55.3	32.1	96.3
67	63.1	28.9	86.8
52	27.4	13.4	40.2



#36
1,2-Dichloroethane
Concen: 47.087 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Tgt Ion:	62	Resp:	288850
Ion	Ratio	Lower	Upper
62	100		
98	7.7	6.3	9.5

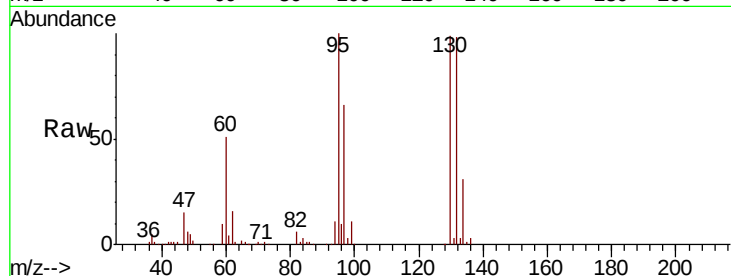




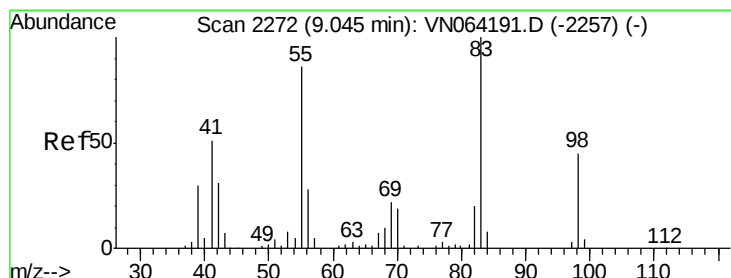
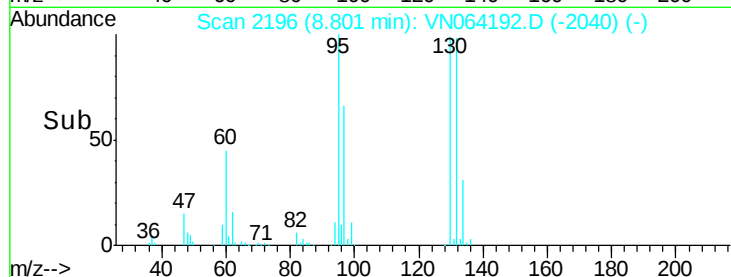
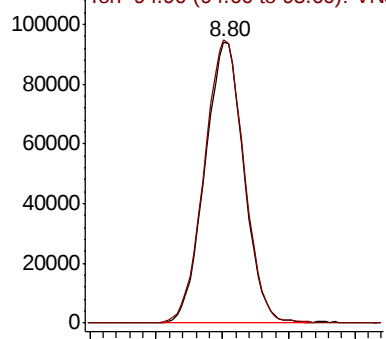
#37
 Trichloroethene
 Concen: 51.190 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

Instrument :
 BNA_N
 ClientSampleId :
 VSTDIC050

Tot Ion:130 Resp: 192294
 Ion Ratio Lower Upper
 130 100
 95 100.4 81.0 121.4

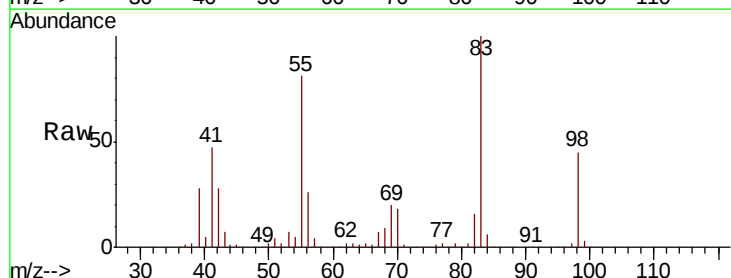


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

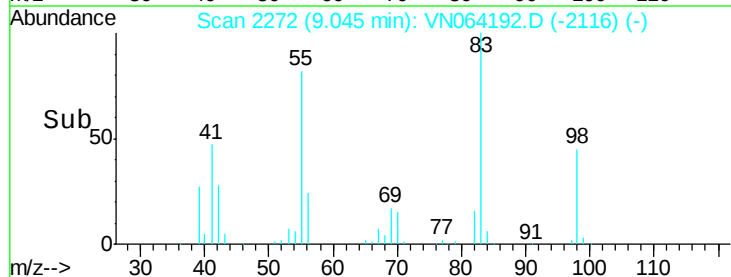
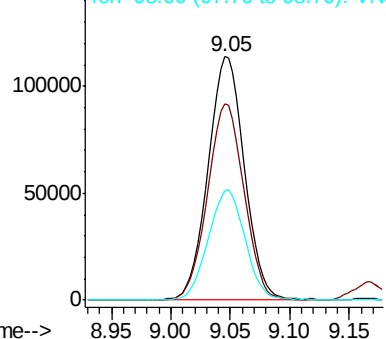


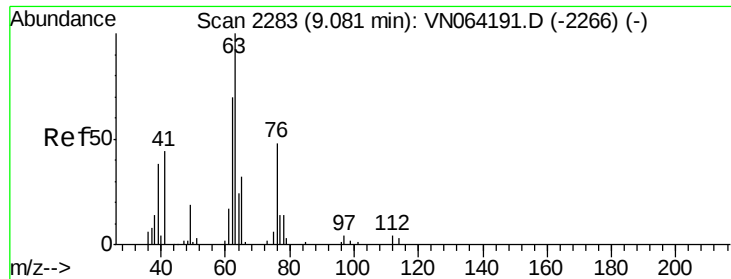
#38
 Methylcyclohexane
 Concen: 55.633 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

Tgt Ion: 83 Resp: 240744
 Ion Ratio Lower Upper
 83 100
 55 81.0 40.3 120.9
 98 46.0 22.4 67.0



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 98.00 (97.70 to 98.70): VN

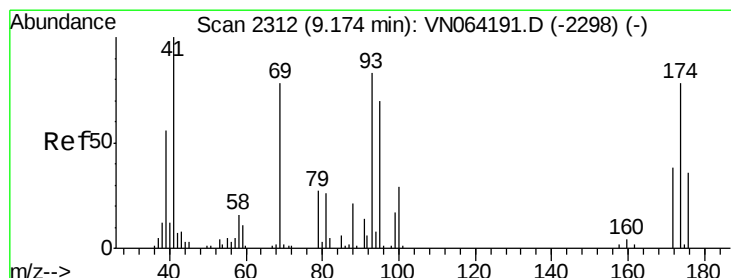
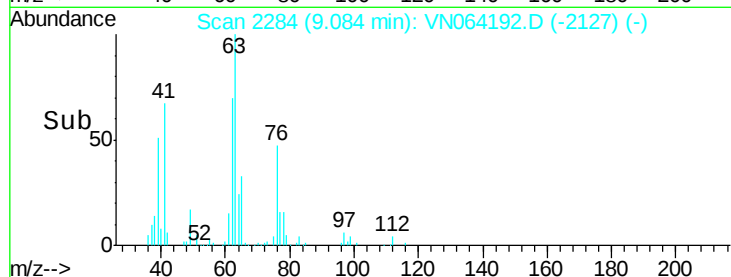
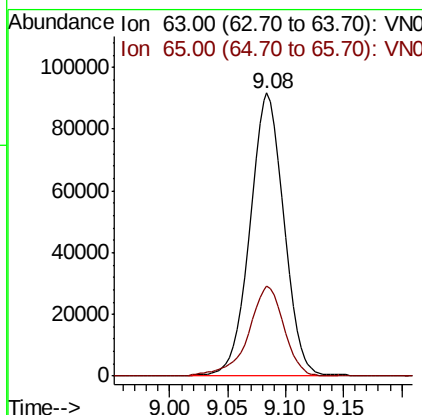
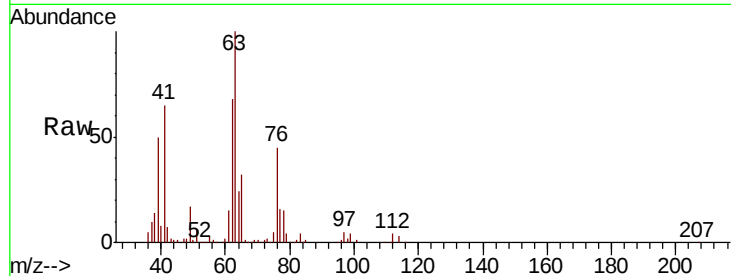




#39
 1,2-Dichloropropane
 Concen: 49.178 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

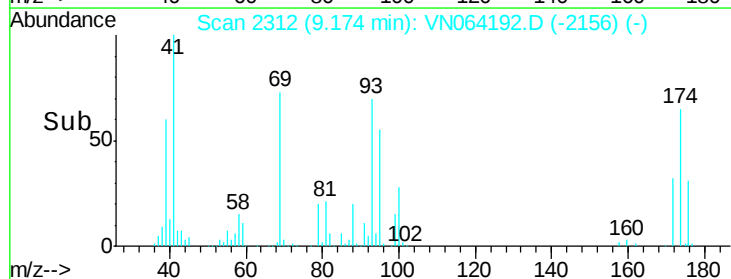
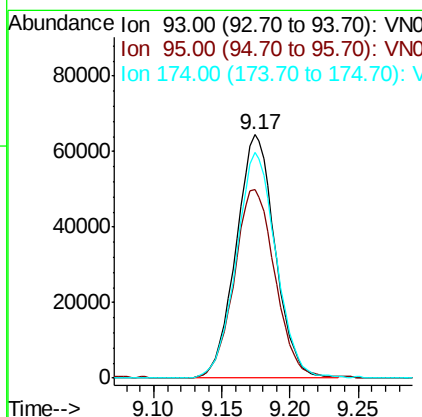
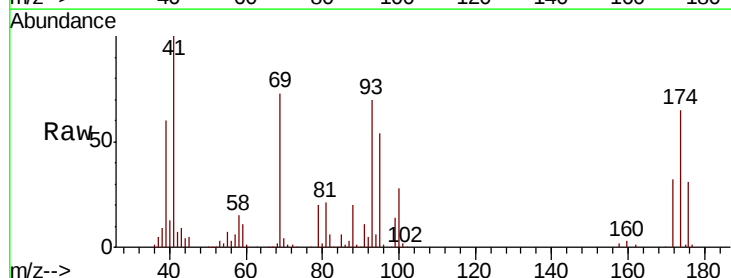
Instrument :
 BNA_N
 ClientSampleId :
 VSTDIC050

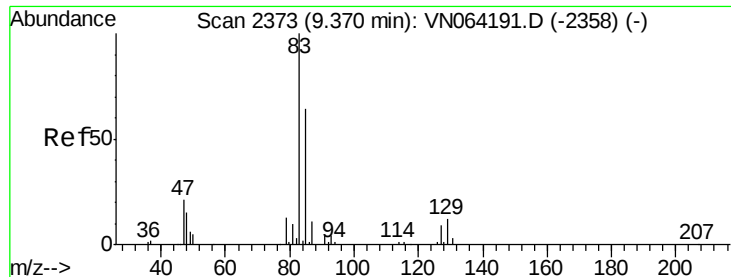
Tot Ion: 63 Resp: 187736
 Ion Ratio Lower Upper
 63 100
 65 31.7 26.5 39.7



#40
 Dibromomethane
 Concen: 48.218 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

Tgt Ion: 93 Resp: 128072
 Ion Ratio Lower Upper
 93 100
 95 80.8 0.0 169.2
 174 94.3 0.0 187.4





#41

Bromodichloromethane

Concen: 50.613 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

BNA_N

ClientSampleId :

VSTDIC050

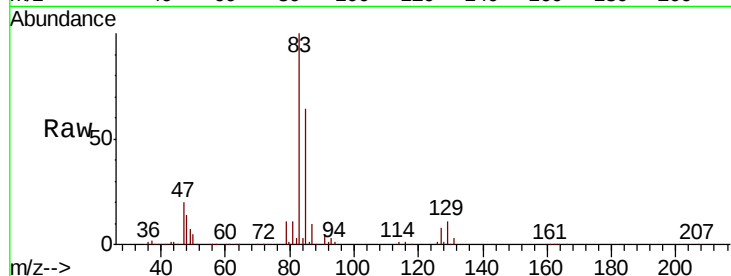
Tot Ion: 83 Resp: 283637

Ion Ratio Lower Upper

83 100

85 63.8 51.5 77.3

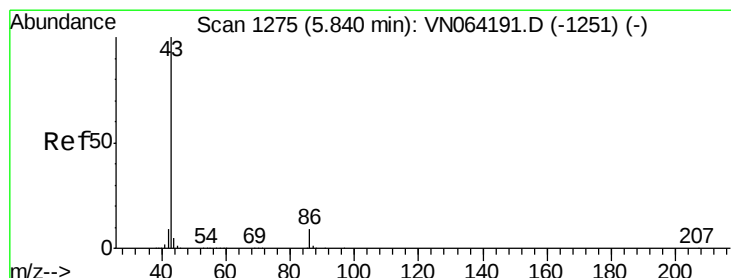
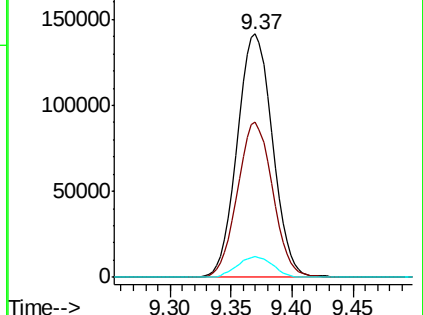
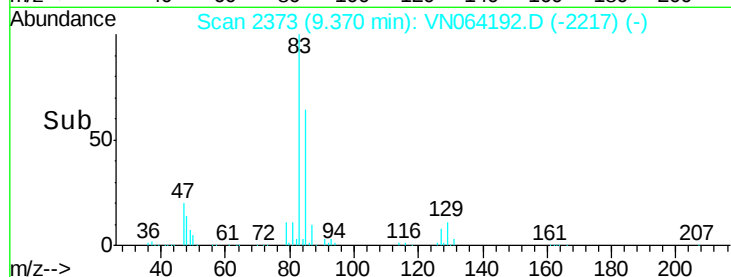
127 8.4 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VN064192.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN064192.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN064192.D (-2217) (-)



#42

Vinyl Acetate

Concen: 246.189 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN064192.D

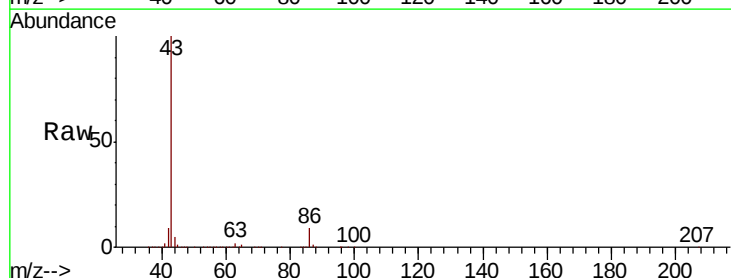
Acq: 20 Oct 2020 10:48

Tgt Ion: 43 Resp: 2488491

Ion Ratio Lower Upper

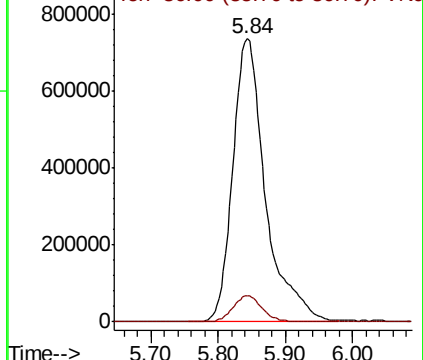
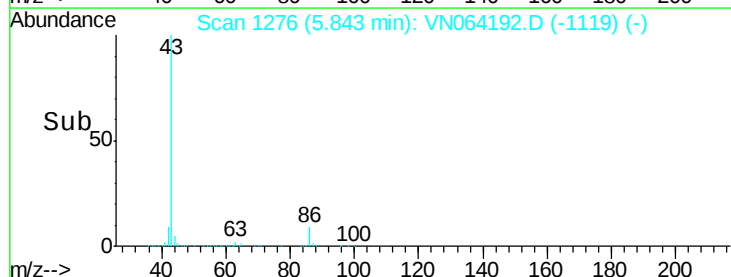
43 100

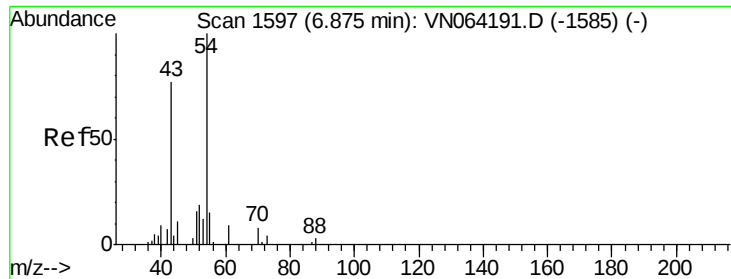
86 8.4 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VN064192.D (-1119) (-)

Ion 86.00 (85.70 to 86.70): VN064192.D (-1119) (-)

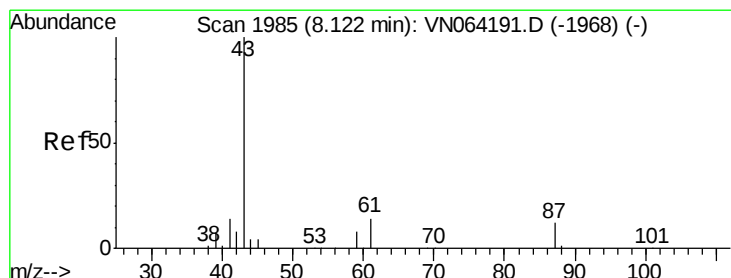
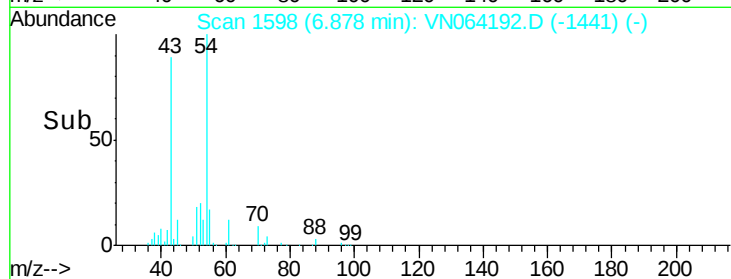
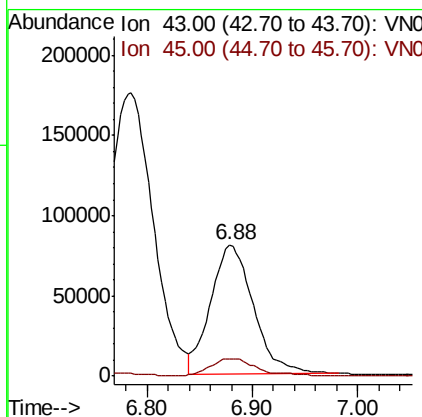
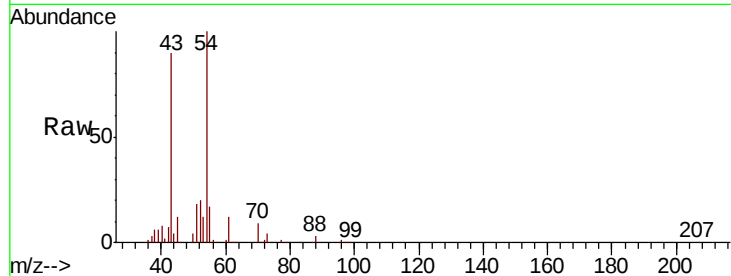




#43
Ethyl Acetate
Concen: 44.052 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

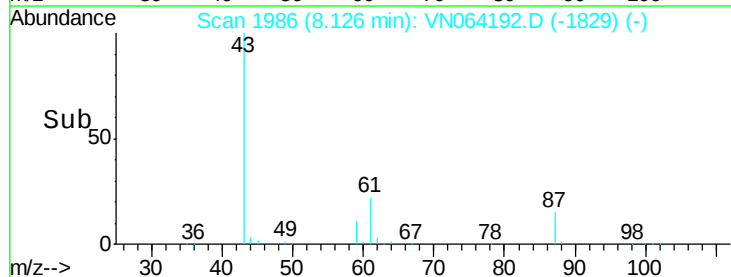
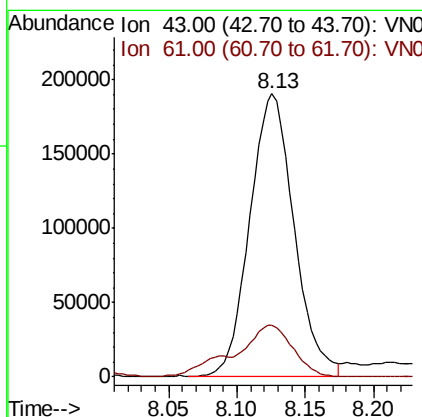
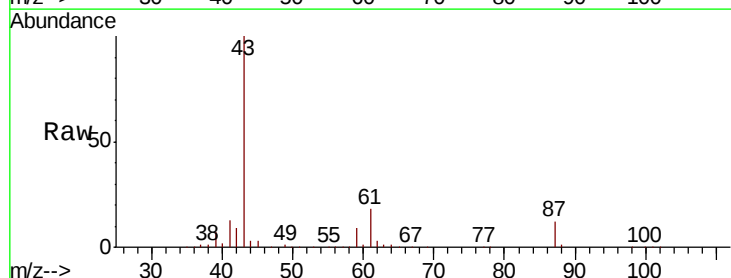
Instrument :
BNA_N
ClientSampleId :
VSTDIC050

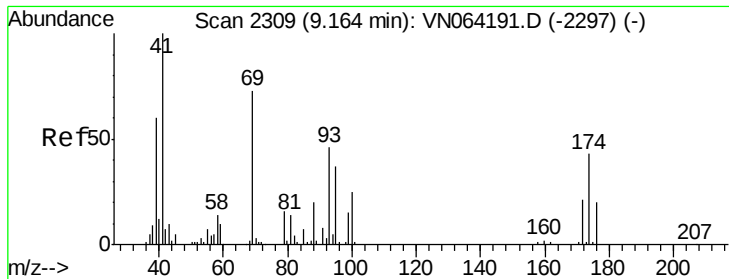
Tot Ion: 43 Resp: 226819
Ion Ratio Lower Upper
43 100
45 13.2 9.8 14.8



#44
Isopropyl Acetate
Concen: 49.140 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Tgt Ion: 43 Resp: 426954
Ion Ratio Lower Upper
43 100
61 18.4 18.7 28.1#

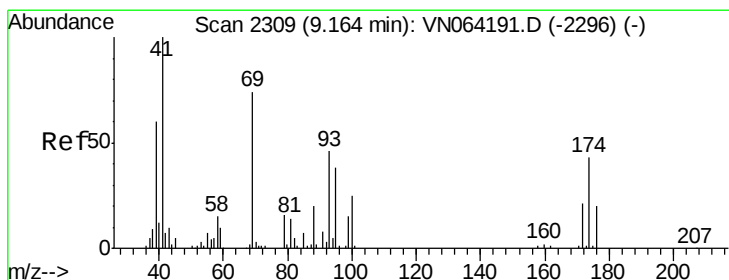
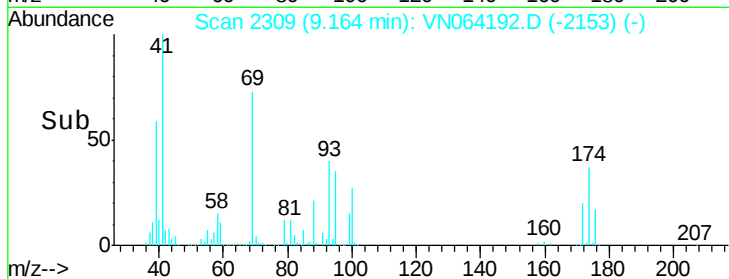
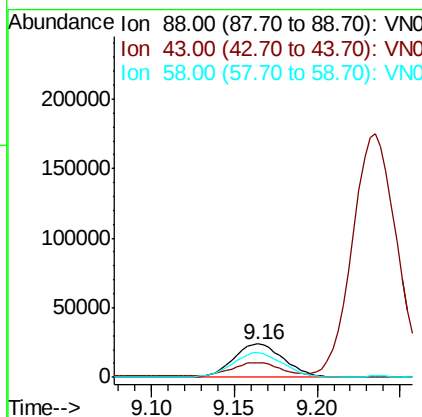
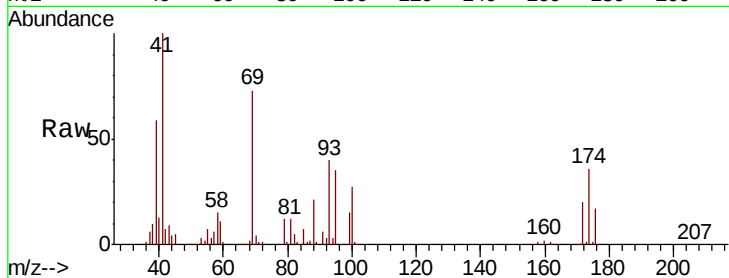




#45
1,4-Dioxane
Concen: 935.295 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

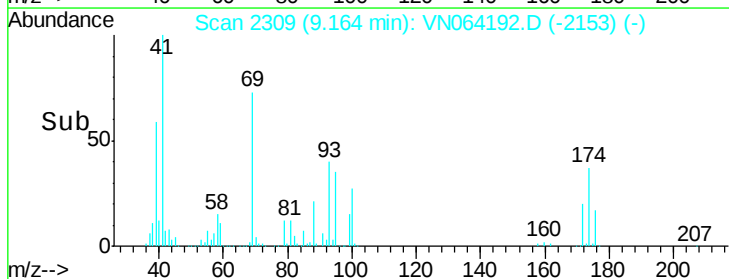
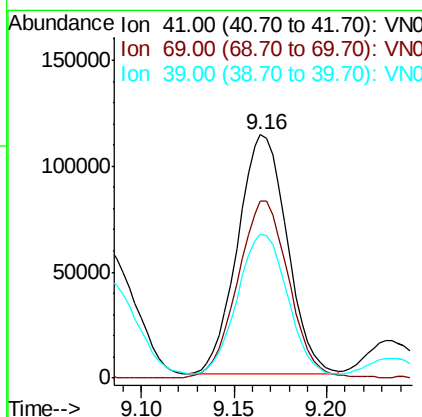
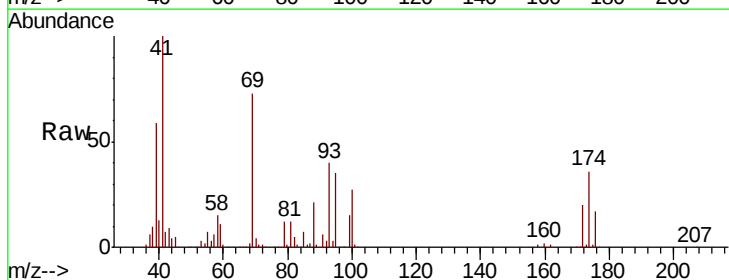
Instrument :
BNA_N
ClientSampleId :
VSTDIC050

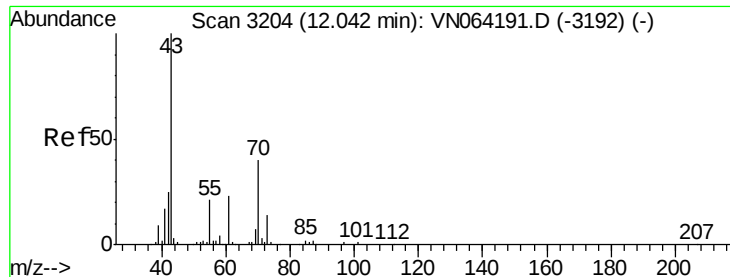
Tot Ion: 88 Resp: 50842
Ion Ratio Lower Upper
88 100
43 38.2 37.0 55.4
58 72.6 62.4 93.6



#46
Methyl methacrylate
Concen: 48.977 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Tgt Ion: 41 Resp: 209967
Ion Ratio Lower Upper
41 100
69 73.5 36.8 110.4
39 58.7 30.4 91.2

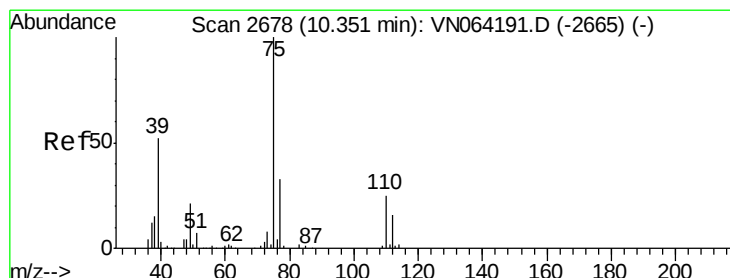
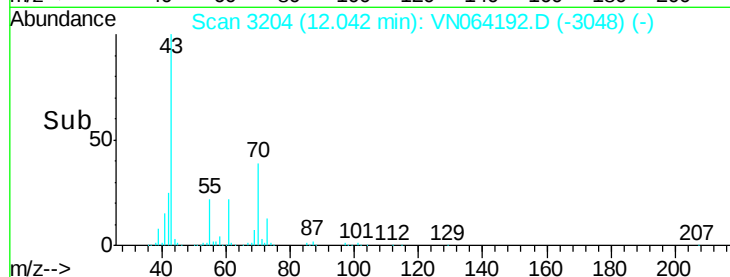
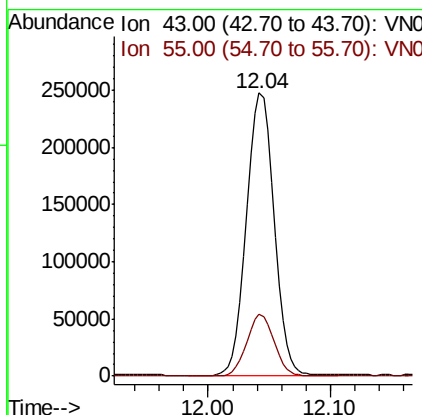
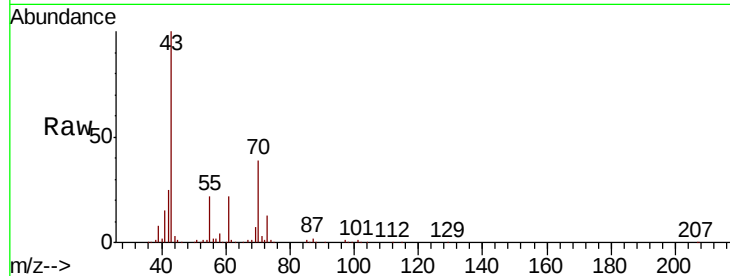




#47
 n-amvl Acetate
 Concen: 49.631 ug/l
 RT: 12.04 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

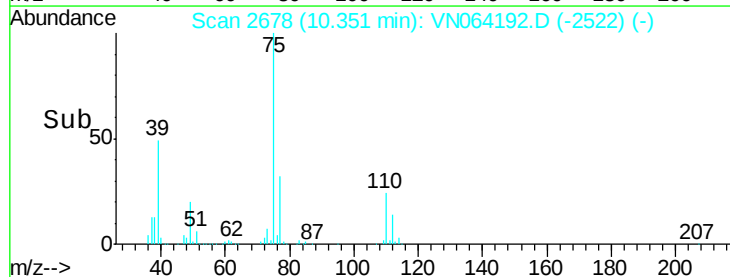
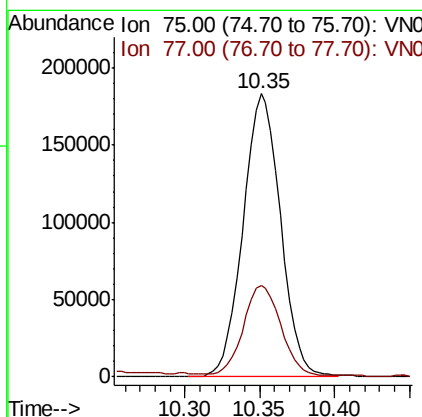
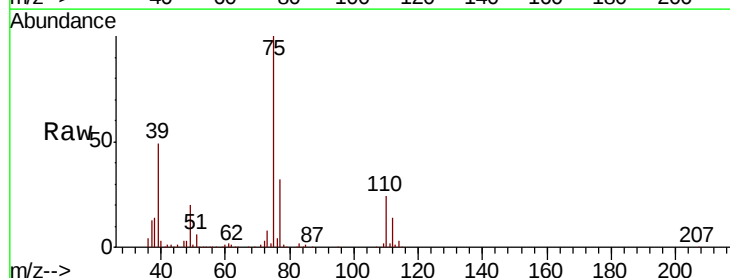
Instrument :
 BNA_N
 ClientSampleId :
 VSTDIC050

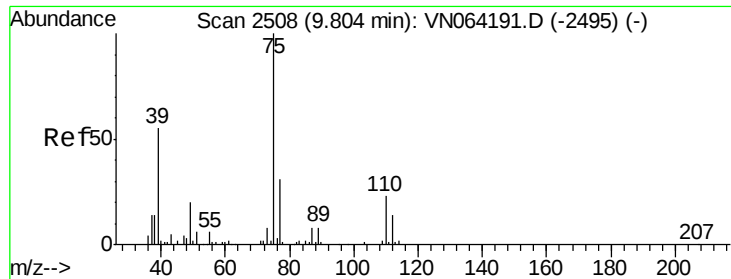
Tot Ion: 43 Resp: 384226
 Ion Ratio Lower Upper
 43 100
 55 21.6 17.6 26.4



#48
 t-1,3-Dichloropropene
 Concen: 52.417 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

Tgt Ion: 75 Resp: 319550
 Ion Ratio Lower Upper
 75 100
 77 31.5 27.4 41.2



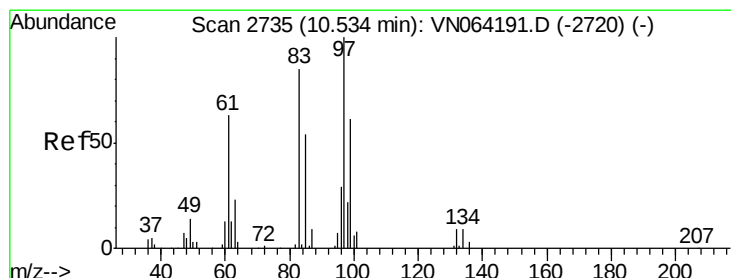
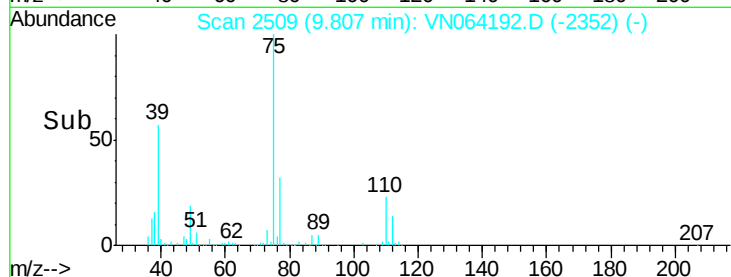
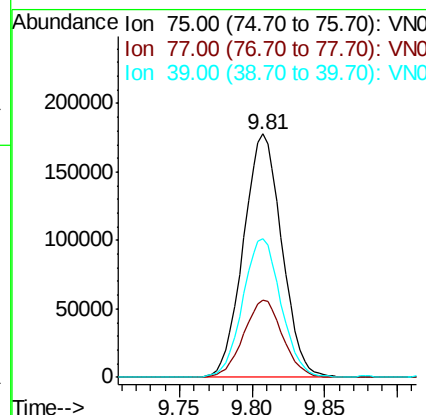
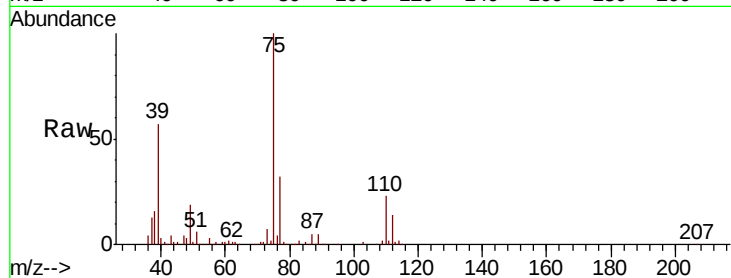


#49

cis-1,3-Dichloropropene
 Concen: 51.788 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

Instrument :
 BNA_N
 ClientSampleId :
 VSTDIC050

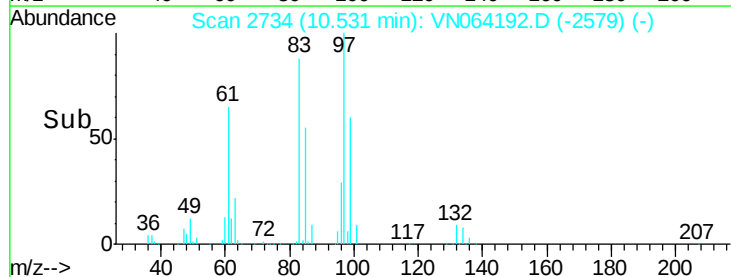
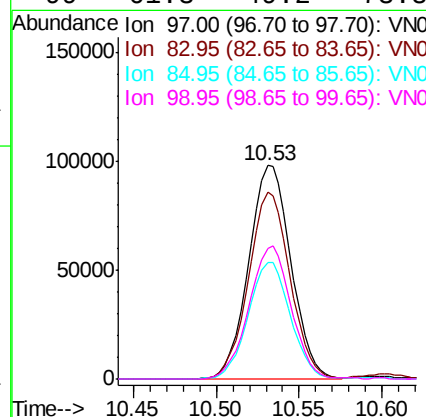
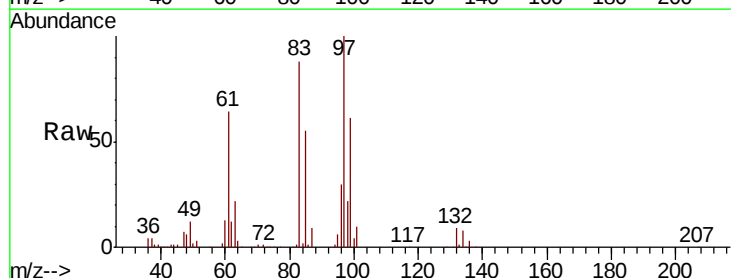
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.5	36.7
39	57.0	43.8	65.8

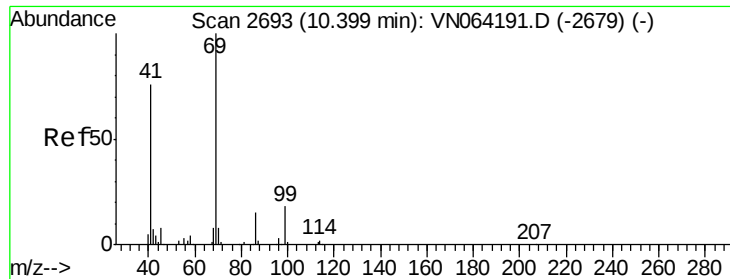


#50

1,1,2-Trichloroethane
 Concen: 48.466 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.6	67.7	101.5
85	54.8	43.2	64.8
99	61.3	49.2	73.8





#51

Ethyl methacrylate

Concen: 51.435 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

BNA_N

ClientSampleId :

VSTDIC050

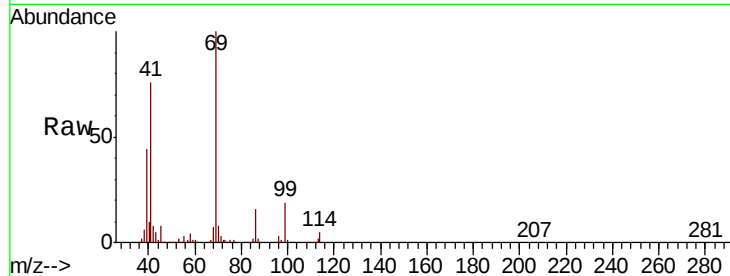
Tot Ion: 69 Resp: 271826

Ion	Ratio	Lower	Upper
69	100		
41	75.8	38.0	114.1
39	43.7	21.4	64.3

69 100

41 75.8 38.0 114.1

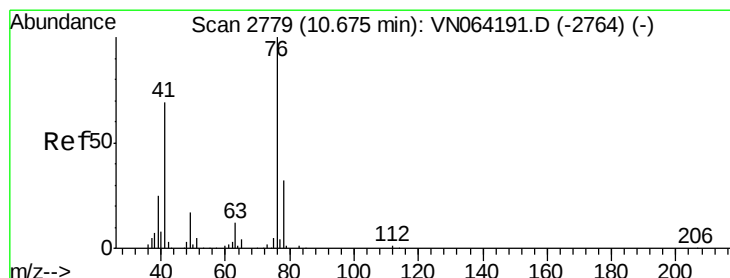
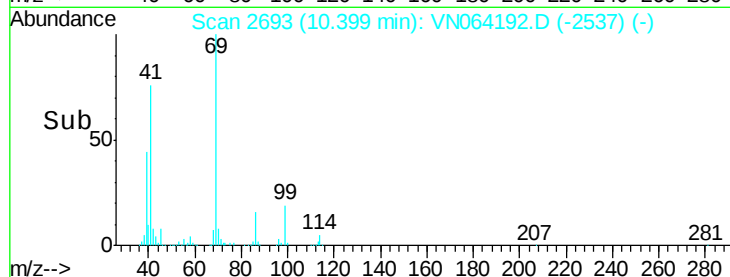
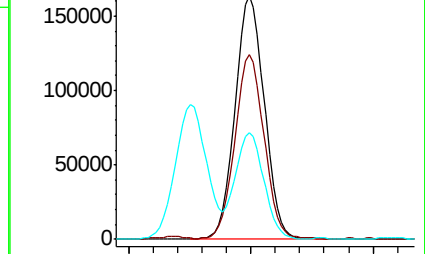
39 43.7 21.4 64.3



Abundance Ion 69.00 (68.70 to 69.70): VN064192.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN064192.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN064192.D (-2679) (-)



#52

1,3-Dichloropropane

Concen: 48.232 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN064192.D

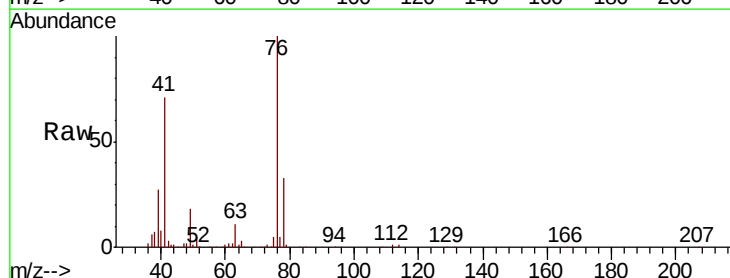
Acq: 20 Oct 2020 10:48

Tgt Ion: 76 Resp: 296363

Ion	Ratio	Lower	Upper
76	100		
78	32.8	0.0	64.4

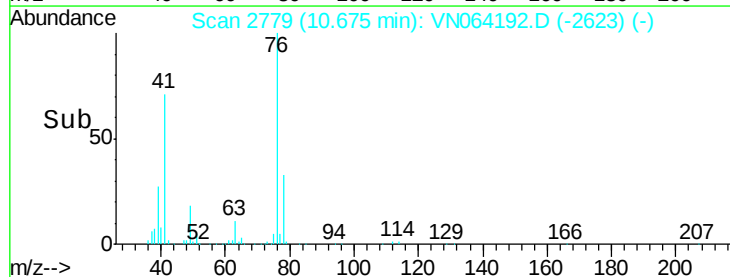
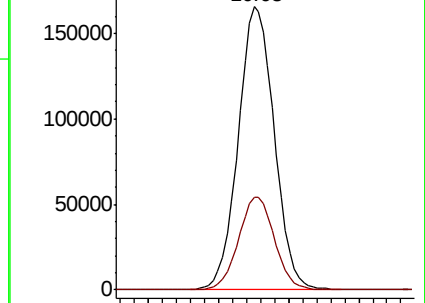
76 100

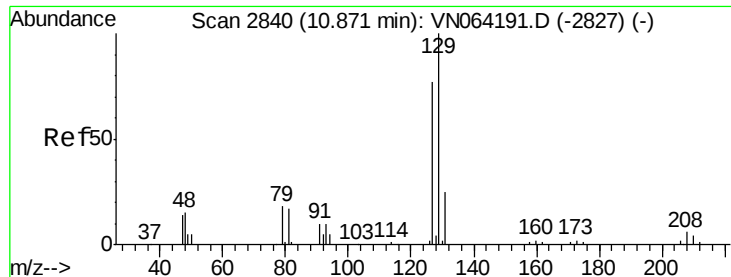
78 32.8 0.0 64.4



Abundance Ion 76.00 (75.70 to 76.70): VN064192.D (-2764) (-)

Ion 78.00 (77.70 to 78.70): VN064192.D (-2764) (-)





#53

Dibromochloromethane

Concen: 53.079 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

BNA_N

ClientSampleId :

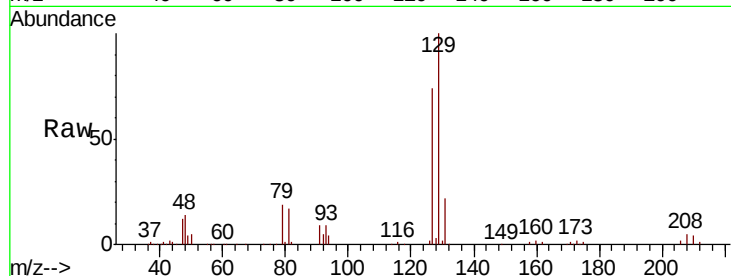
VSTDIC050

Tot Ion:129 Resp: 221229

Ion Ratio Lower Upper

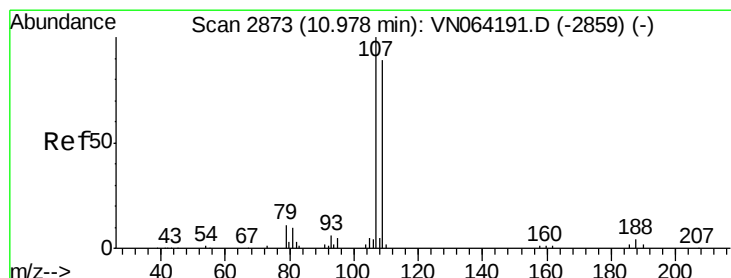
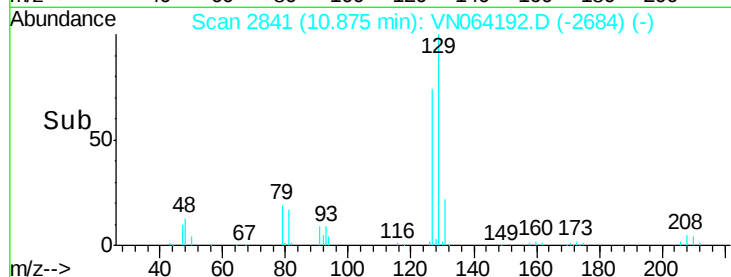
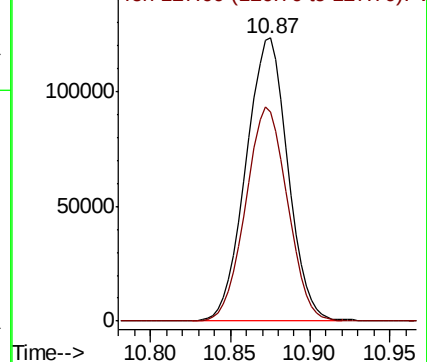
129 100

127 75.3 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 49.059 ug/l

RT: 10.97 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN064192.D

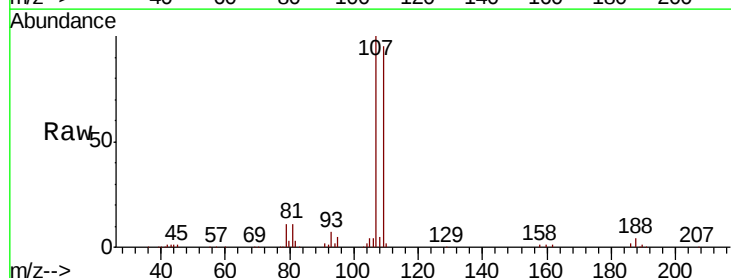
Acq: 20 Oct 2020 10:48

Tgt Ion:107 Resp: 184193

Ion Ratio Lower Upper

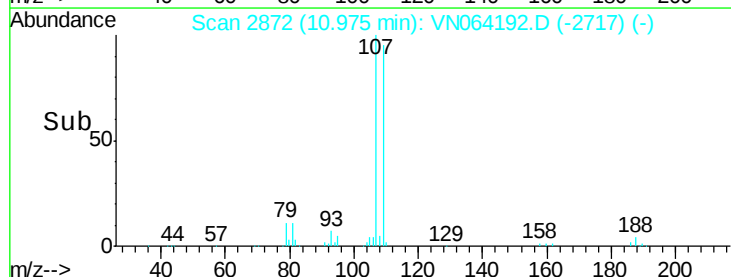
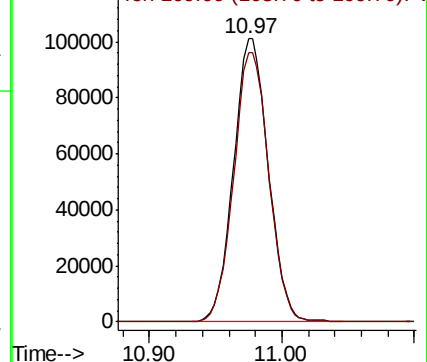
107 100

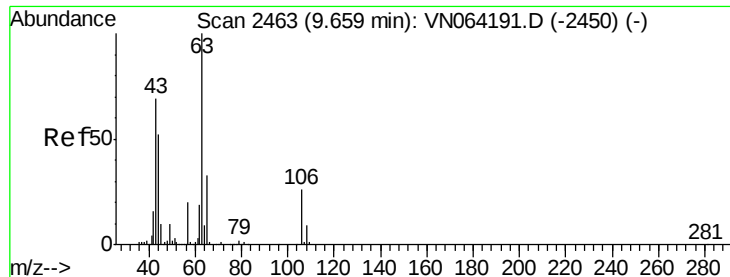
109 95.8 71.8 107.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 249.728 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

BNA_N

ClientSampleId :

VSTDIC050

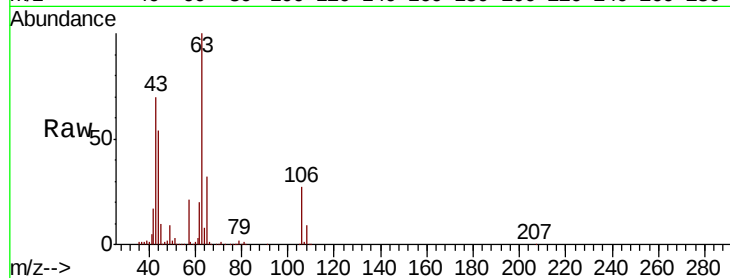
Tot Ion: 63 Resp: 708409

Ion Ratio Lower Upper

63 100

65 32.2 25.9 38.9

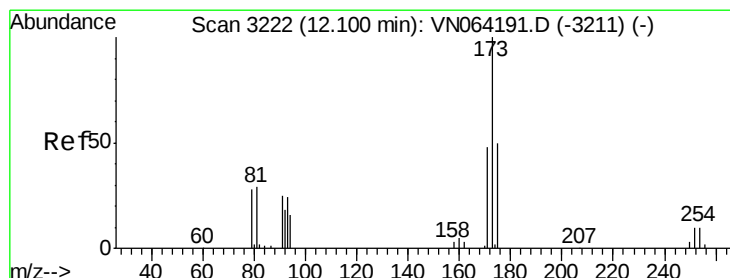
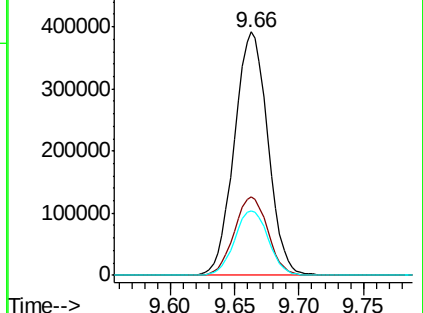
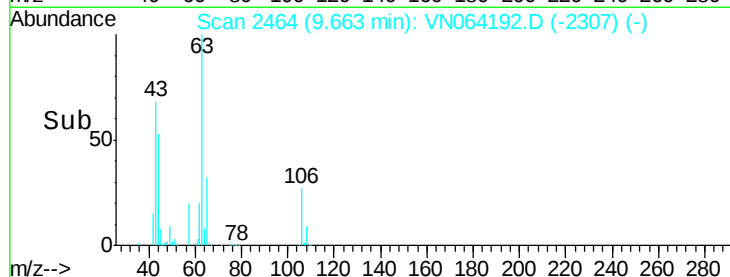
106 26.8 21.4 32.2



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

Ion 106.00 (105.70 to 106.70): VN0



#56

Bromoform

Concen: 53.047 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

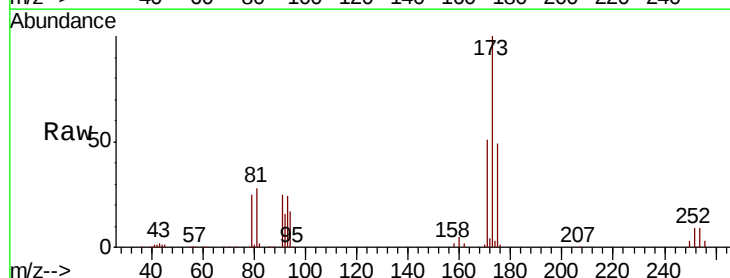
Tgt Ion: 173 Resp: 154884

Ion Ratio Lower Upper

173 100

175 48.0 39.0 58.4

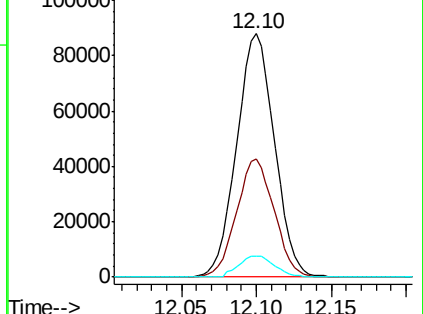
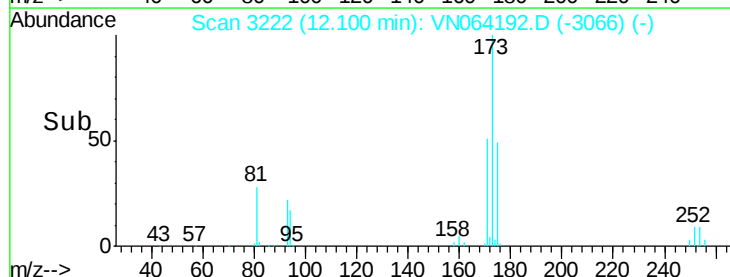
254 8.3 6.8 10.2

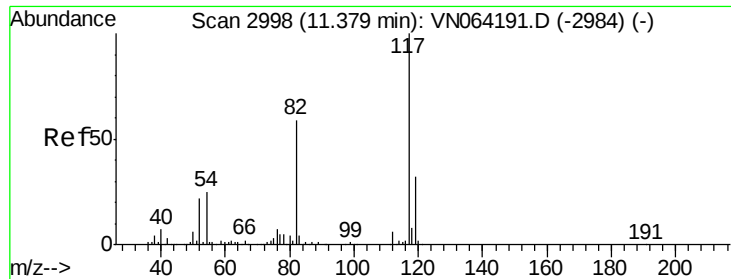


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

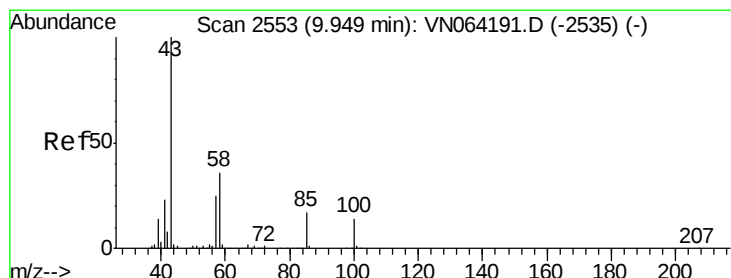
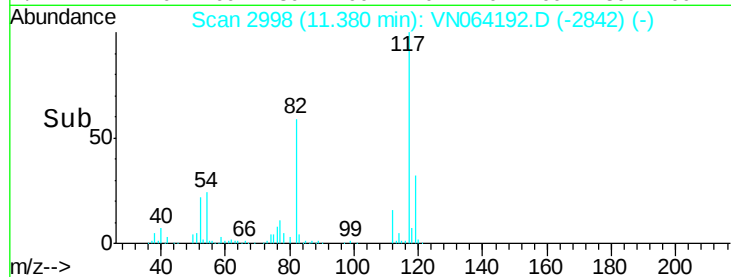
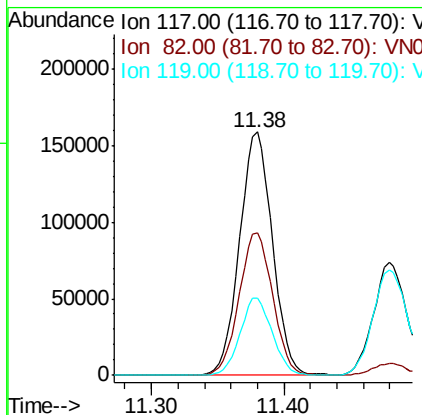
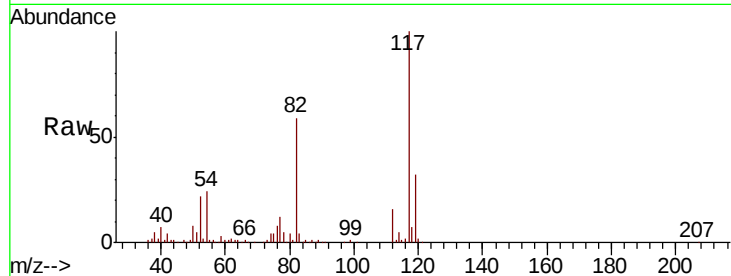




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

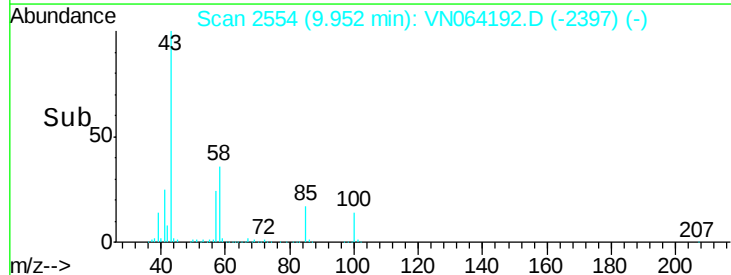
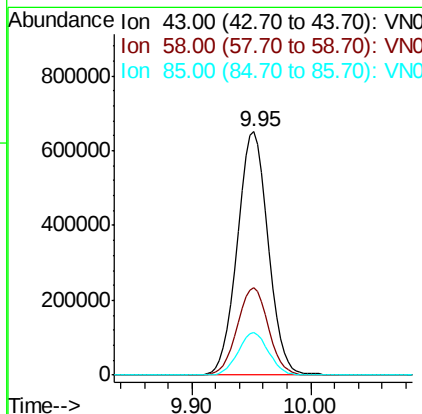
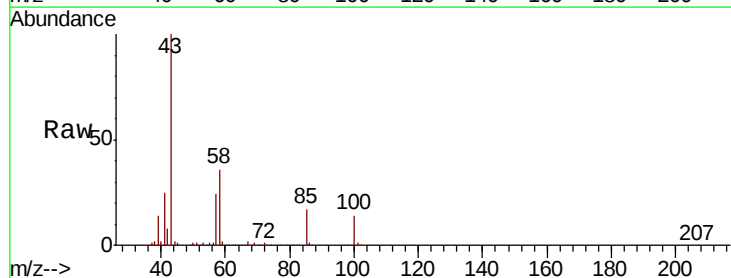
Instrument :
BNA_N
ClientSampleId :
VSTDIC050

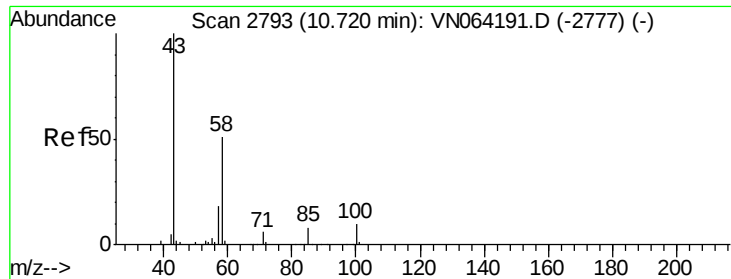
Tot Ion:117 Resp: 273775
Ion Ratio Lower Upper
117 100
82 60.1 47.8 71.8
119 31.2 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 233.988 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Tgt Ion: 43 Resp: 1164479
Ion Ratio Lower Upper
43 100
58 36.4 29.5 44.3
85 17.4 13.7 20.5

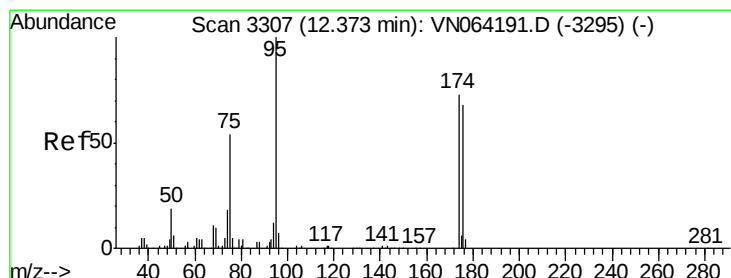
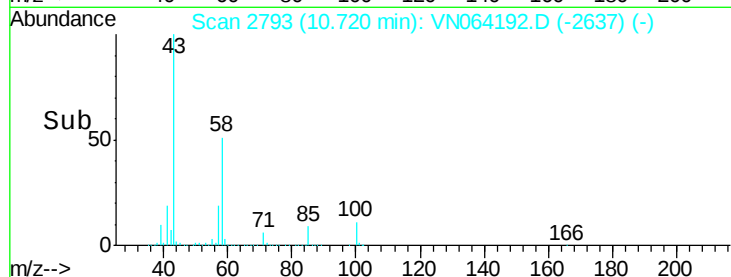
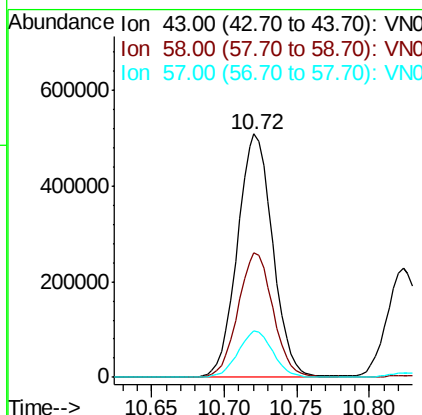
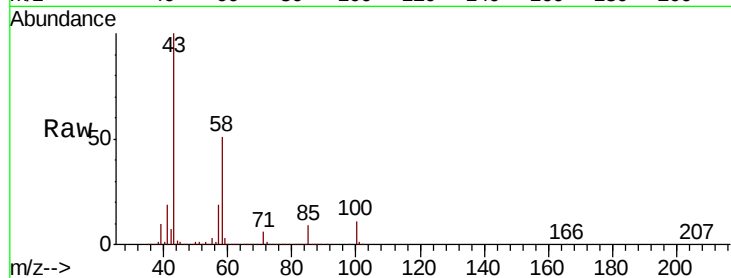




#59
2-Hexanone
Concen: 230.089 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

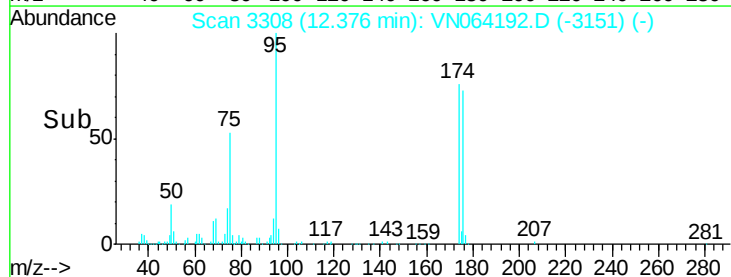
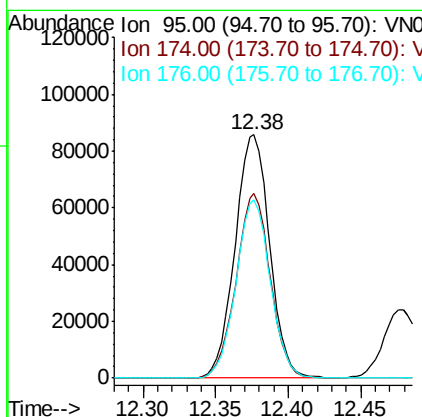
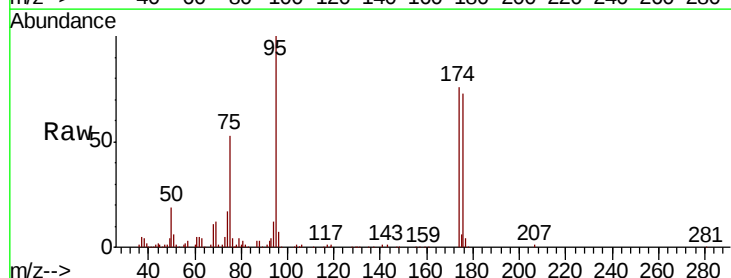
Instrument :
BNA_N
ClientSampleId :
VSTDIC050

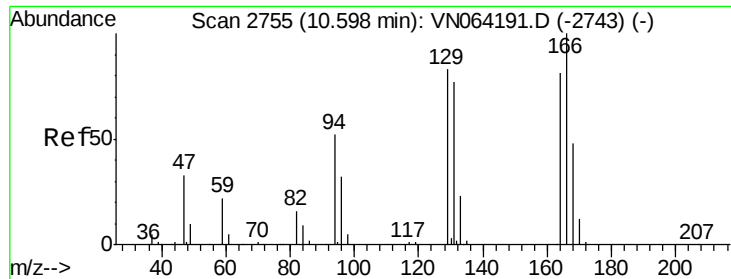
Tot Ion: 43 Resp: 855982
Ion Ratio Lower Upper
43 100
58 50.8 40.2 60.4
57 19.0 14.8 22.2



#60
4-Bromofluorobenzene
Concen: 29.795 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Tgt Ion: 95 Resp: 142179
Ion Ratio Lower Upper
95 100
174 74.8 57.6 86.4
176 72.5 54.9 82.3





#61

Tetrachloroethene

Concen: 53.953 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

BNA_N

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 181283

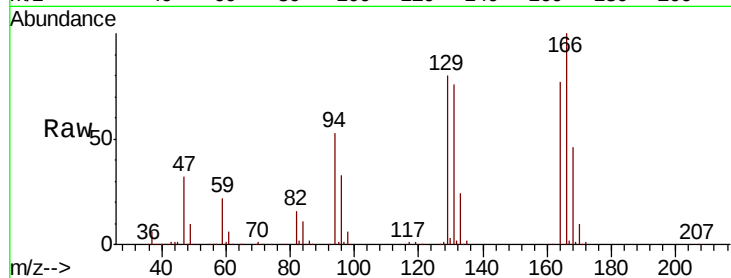
Ion Ratio Lower Upper

164 100

166 129.1 99.2 148.8

129 103.5 82.8 124.2

131 98.5 76.2 114.4

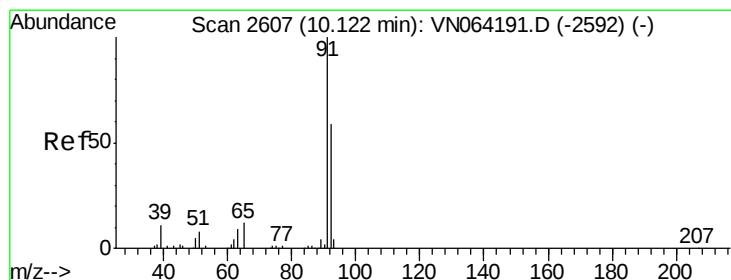
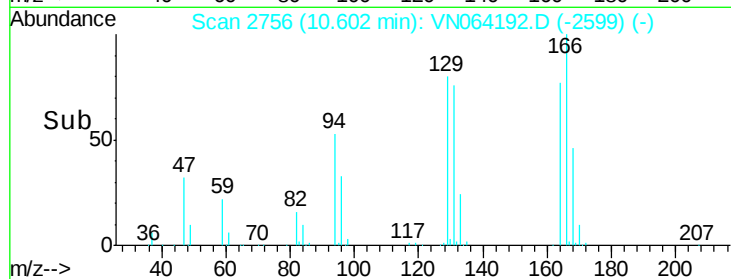
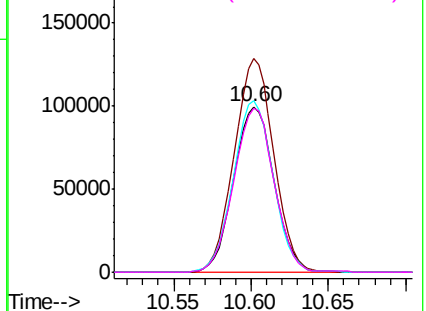


Abundance Ion 163.85 (163.55 to 164.55): V

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: 51.646 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN064192.D

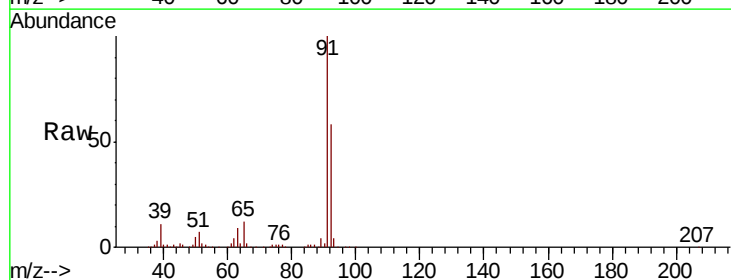
Acq: 20 Oct 2020 10:48

Tgt Ion: 91 Resp: 783258

Ion Ratio Lower Upper

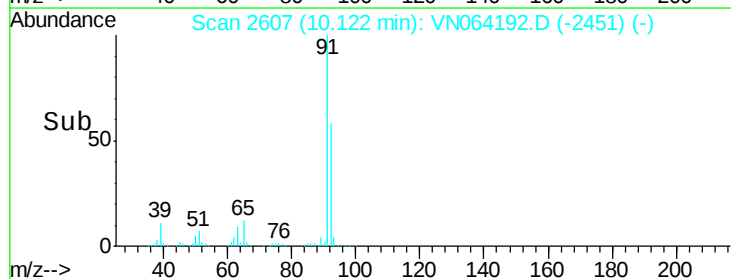
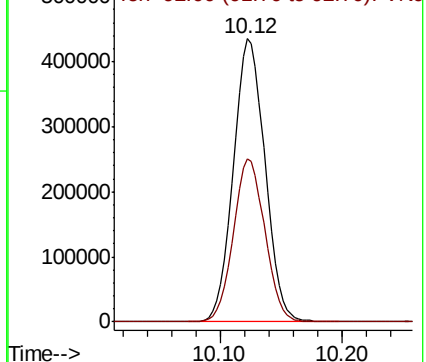
91 100

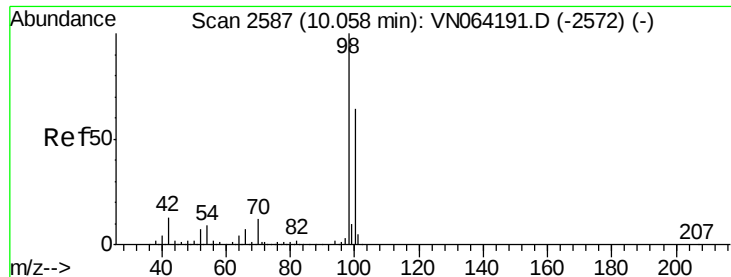
92 57.3 46.8 70.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.929 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

BNA_N

ClientSampleId :

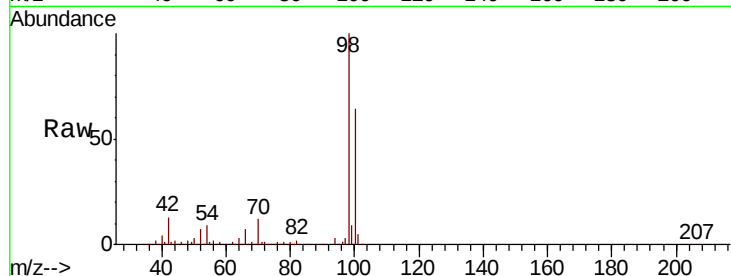
VSTDIC050

Tot Ion: 98 Resp: 371712

Ion Ratio Lower Upper

98 100

100 63.3 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN064191.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064192.D (-2431) (-)

10.06

200000

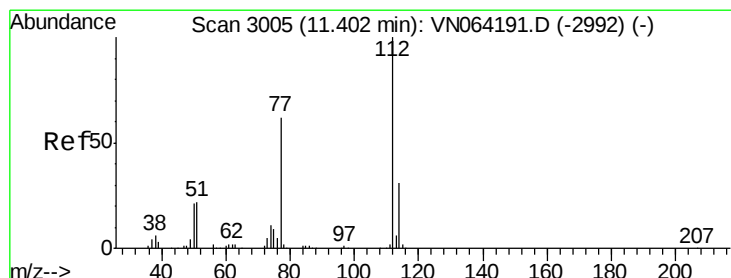
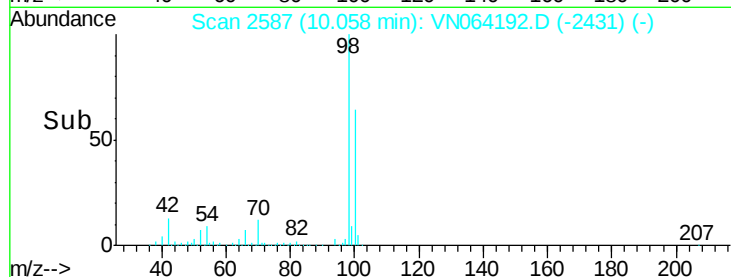
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 51.806 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064192.D

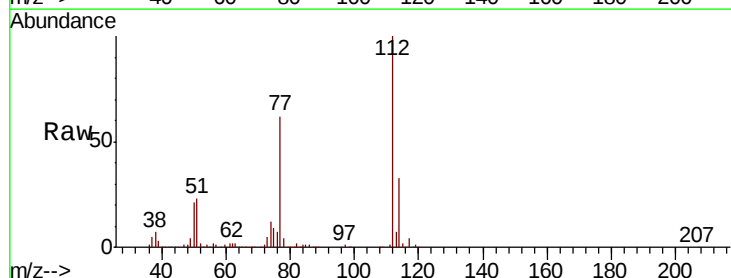
Acq: 20 Oct 2020 10:48

Tgt Ion: 112 Resp: 479572

Ion Ratio Lower Upper

112 100

114 32.7 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): VN064191.D (-2992) (-)

Ion 114.00 (113.70 to 114.70): VN064192.D (-2849) (-)

11.41

300000

250000

200000

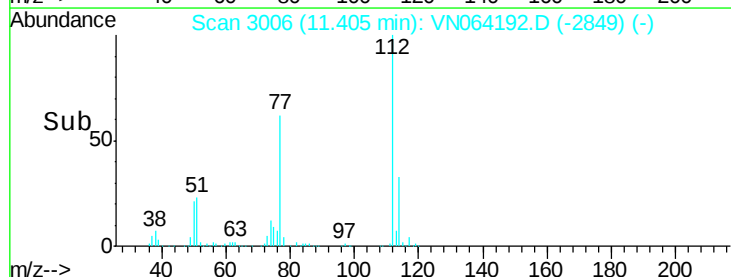
150000

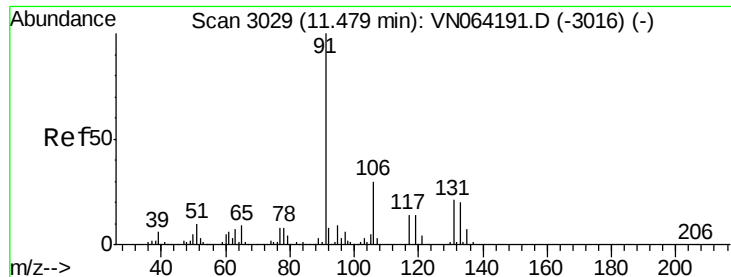
100000

50000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 53.569 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

BNA_N

ClientSampleId :

VSTDIC050

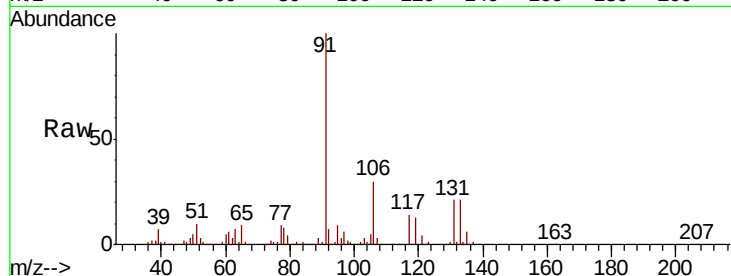
Tot Ion:131 Resp: 193288

Ion Ratio Lower Upper

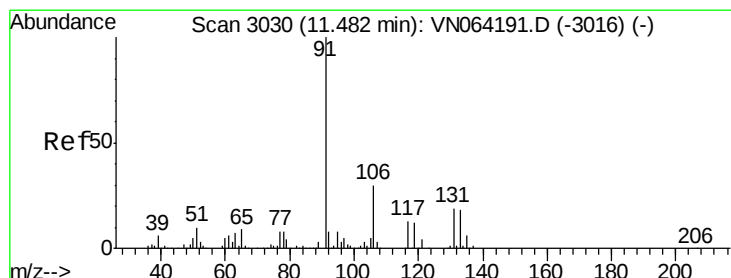
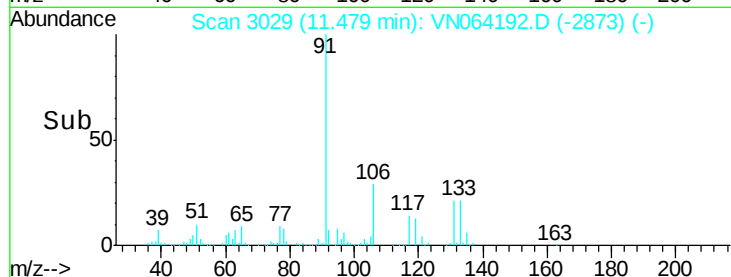
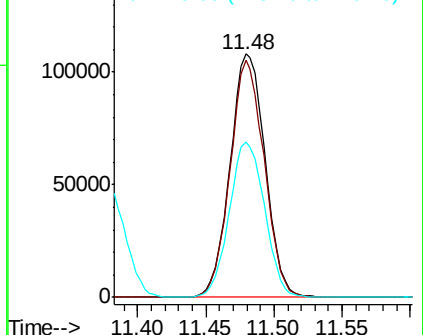
131 100

133 94.8 0.0 193.0

119 64.2 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: 53.549 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064192.D

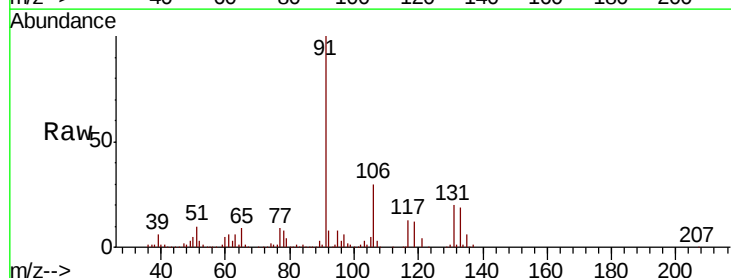
Acq: 20 Oct 2020 10:48

Tgt Ion: 91 Resp: 903858

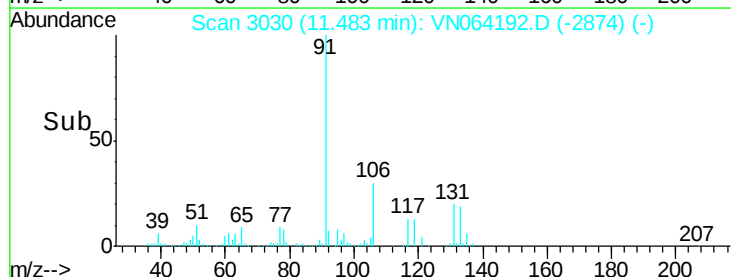
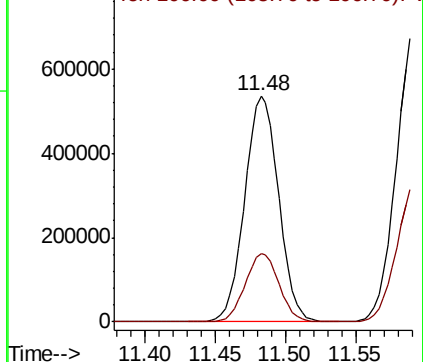
Ion Ratio Lower Upper

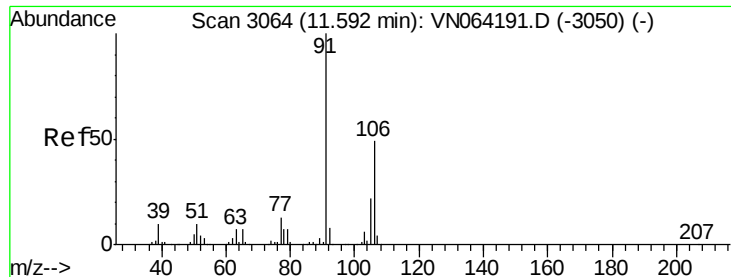
91 100

106 30.2 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 105.801 ug/l

RT: 11.60 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

BNA_N

ClientSampleId :

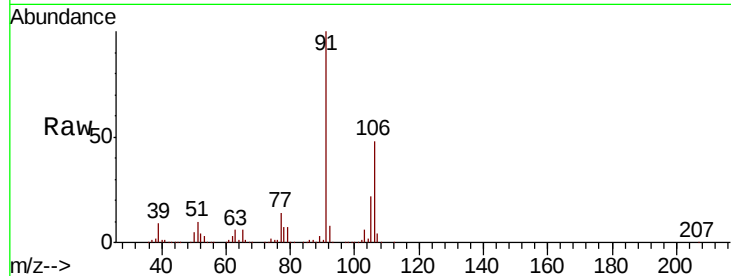
VSTDIC050

Tot Ion:106 Resp: 660322

Ion Ratio Lower Upper

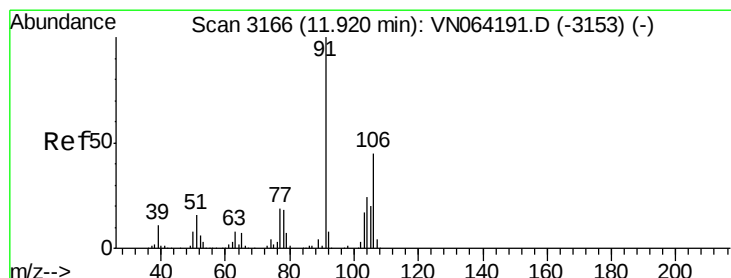
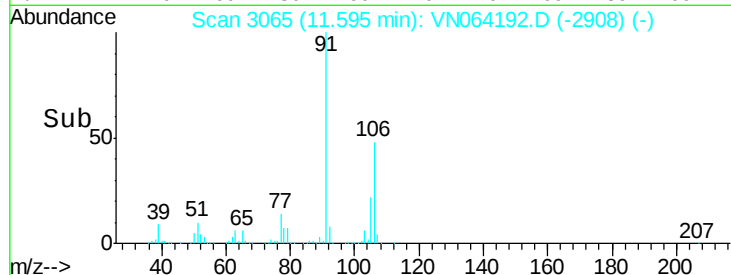
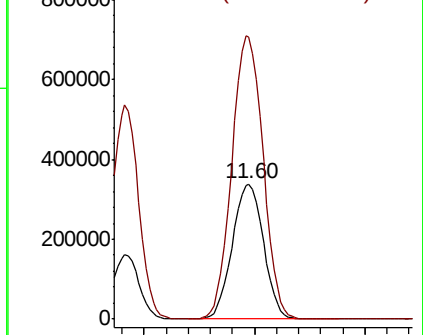
106 100

91 210.2 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 54.181 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. 0.00 min

Lab File: VN064192.D

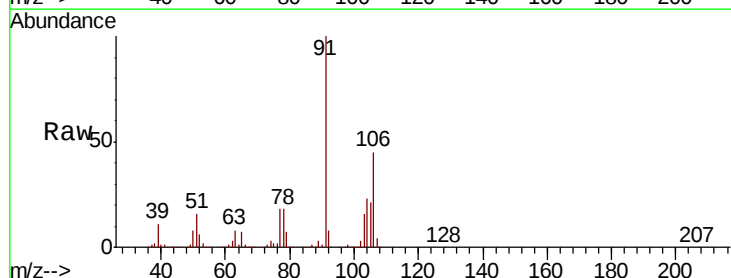
Acq: 20 Oct 2020 10:48

Tgt Ion:106 Resp: 323514

Ion Ratio Lower Upper

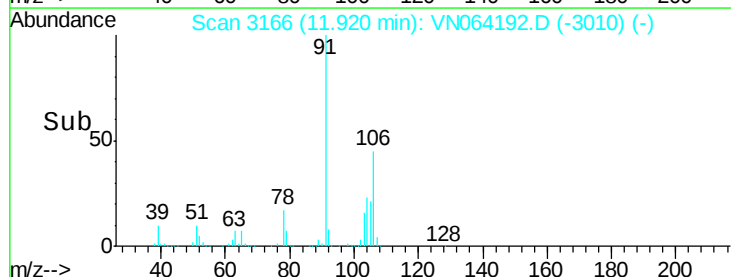
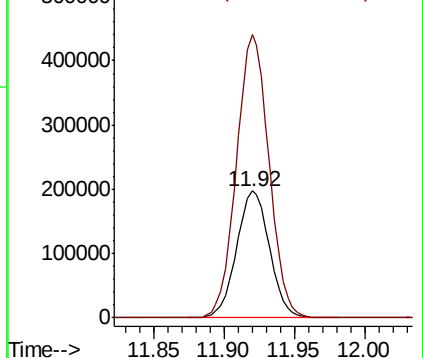
106 100

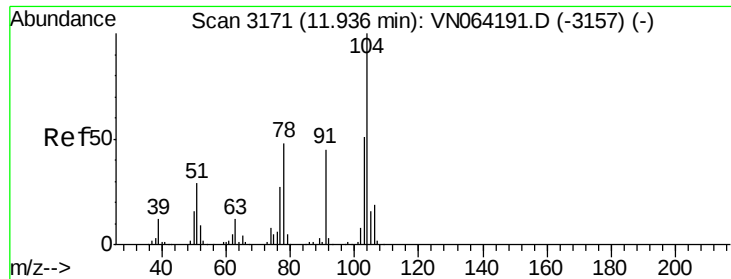
91 220.2 113.9 341.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

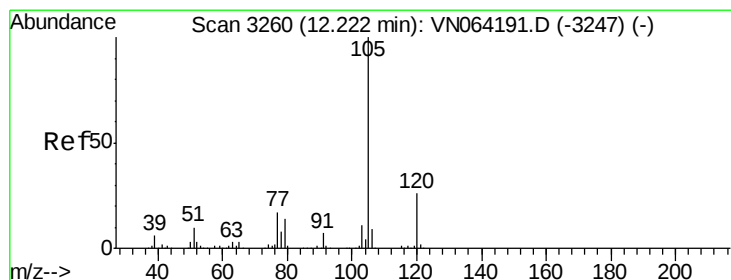
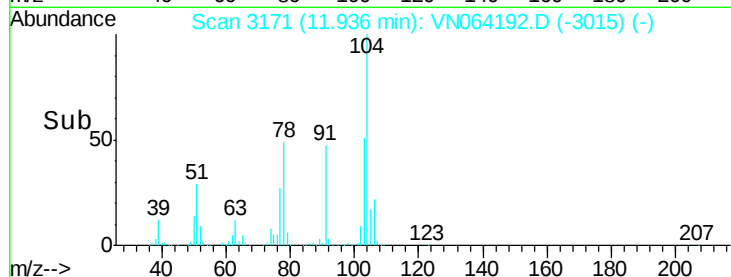
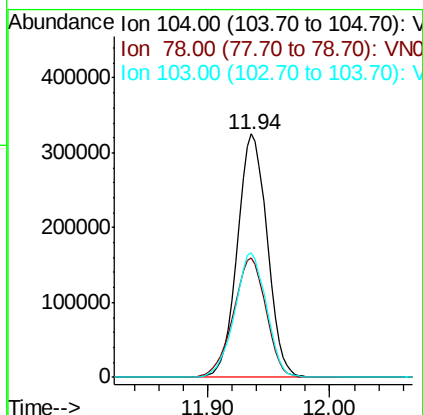
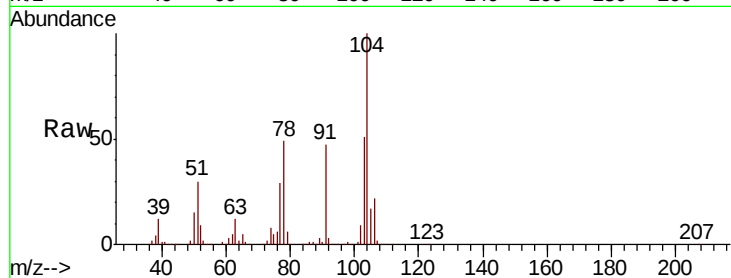




#69
Stvrene
Concen: 53.820 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

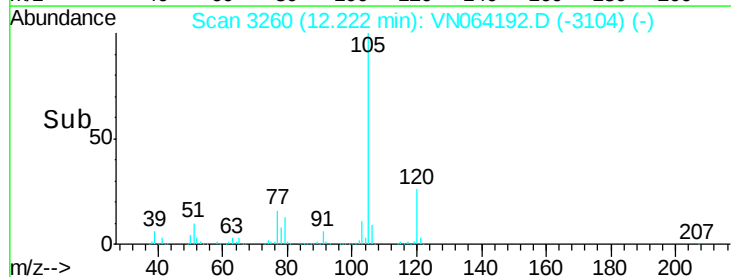
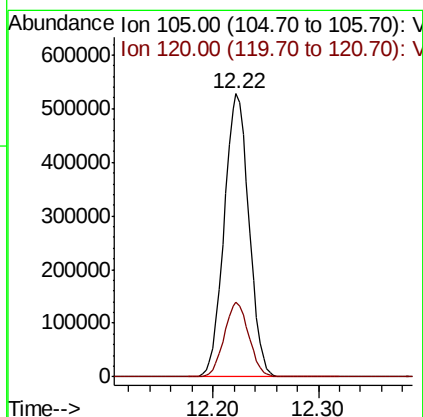
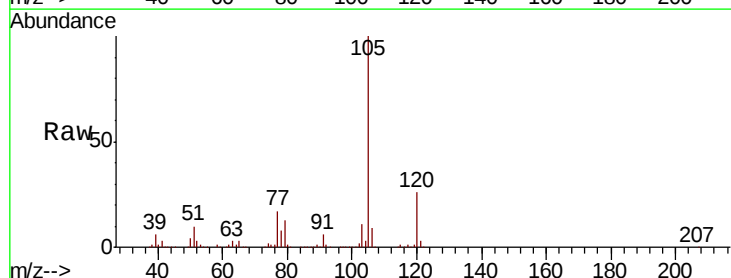
Instrument :
BNA_N
ClientSampleId :
VSTDIC050

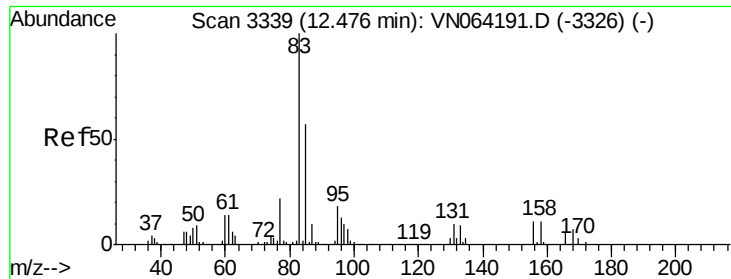
Tot Ion	Ratio	Lower	Upper
104	100		
78	54.0	43.6	65.4
103	54.4	44.8	67.2



#70
Isopropylbenzene
Concen: 53.822 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	18.1	33.7

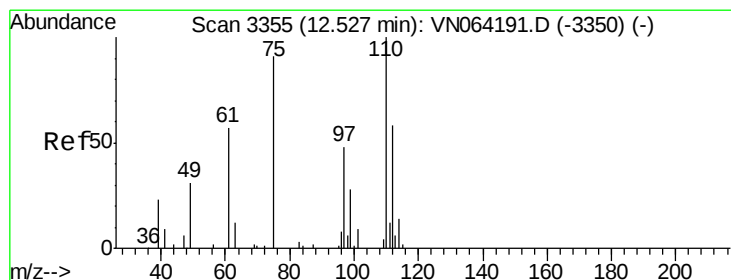
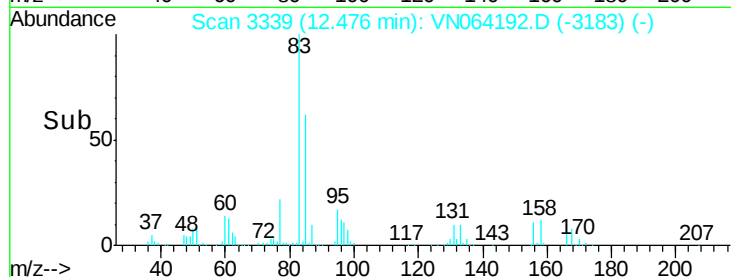
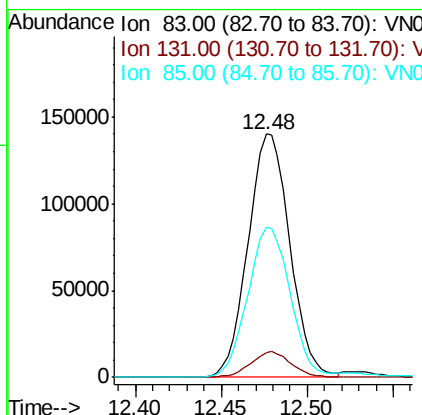
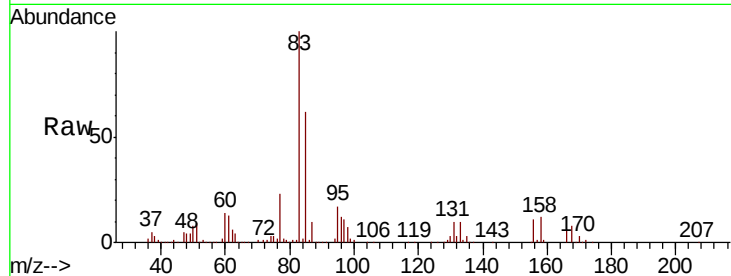




#71
 1,1,2,2-Tetrachloroethane
 Concen: 48.527 ug/l
 RT: 12.48 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

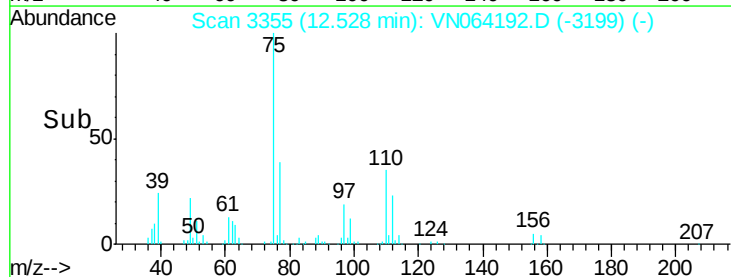
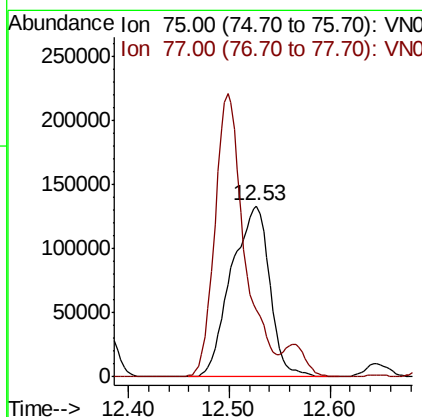
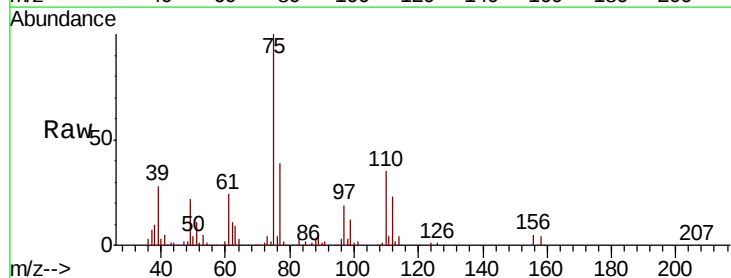
Instrument :
 BNA_N
 ClientSampleId :
 VSTDIC050

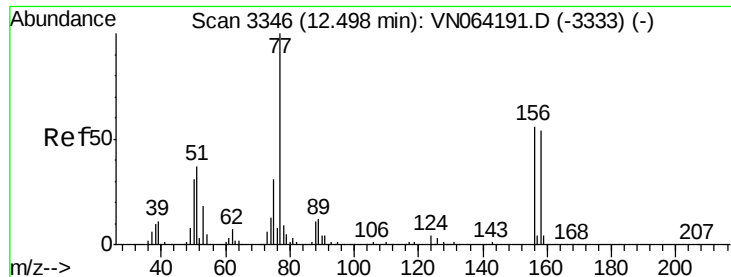
Tot Ion	83	Resp	236889
Ion Ratio	100	Lower	Upper
83	100		
131	10.2	5.5	16.4
85	62.5	30.8	92.4



#72
 1,2,3-Trichloropropane
 Concen: 72.221 ug/l
 RT: 12.53 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

Tgt Ion	75	Resp	352096
Ion Ratio	100	Lower	Upper
75	100		
77	128.1	0.0	417.6





#73

Bromobenzene

Concen: 51.123 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

BNA_N

ClientSampleId :

VSTDIC050

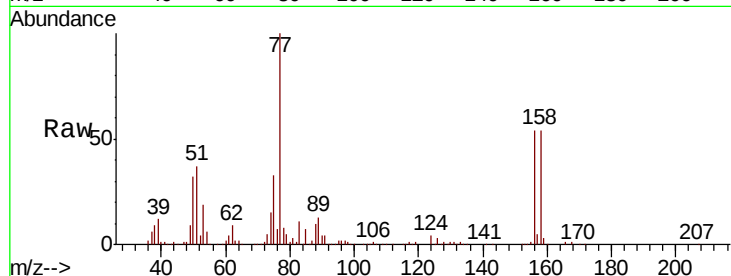
Tot Ion:156 Resp: 205943

Ion Ratio Lower Upper

156 100

77 219.0 0.0 429.8

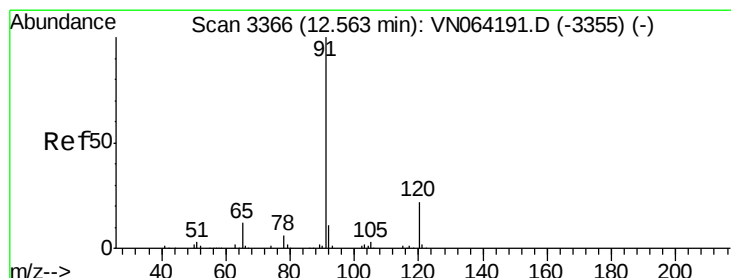
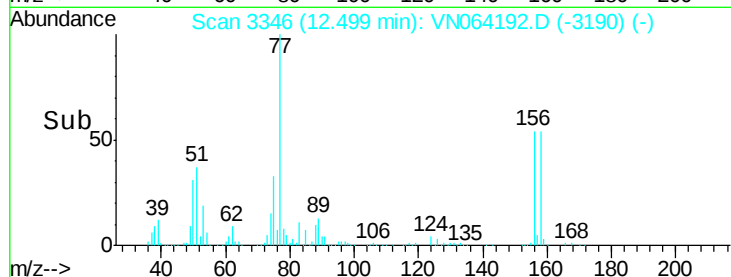
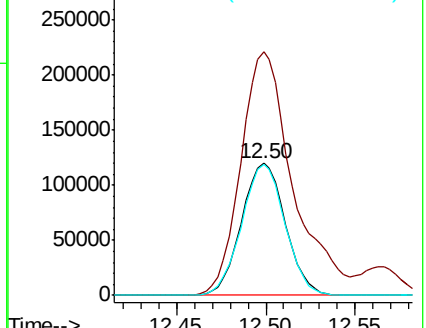
158 98.3 0.0 190.6



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: 52.576 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064192.D

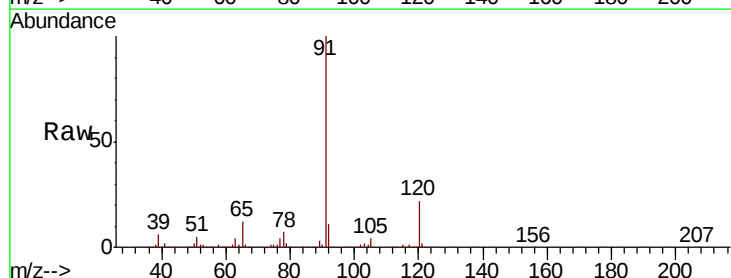
Acq: 20 Oct 2020 10:48

Tgt Ion: 91 Resp: 973060

Ion Ratio Lower Upper

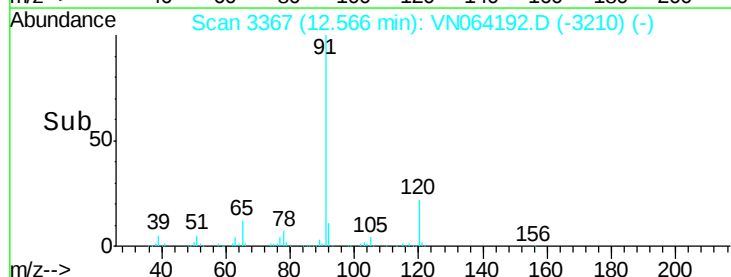
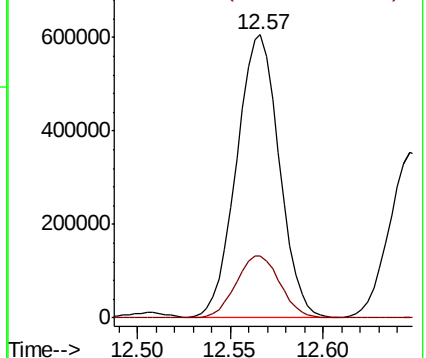
91 100

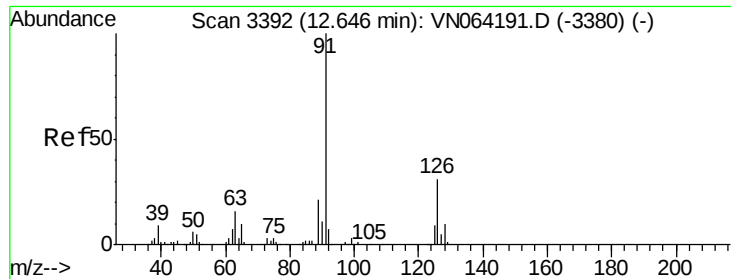
120 22.5 0.0 43.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 52.517 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

BNA_N

ClientSampleId :

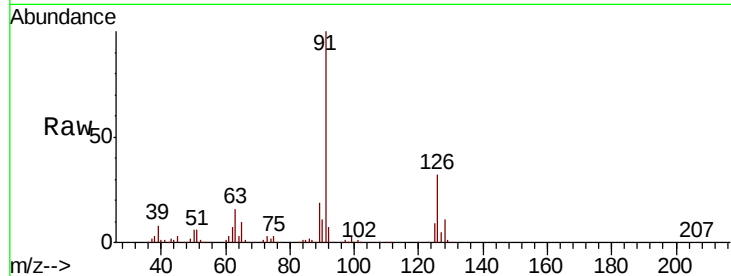
VSTDIC050

Tot Ion: 91 Resp: 593430

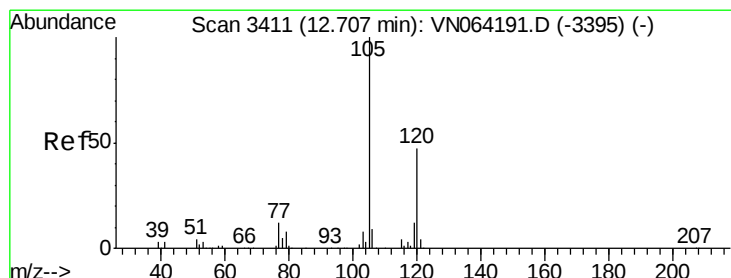
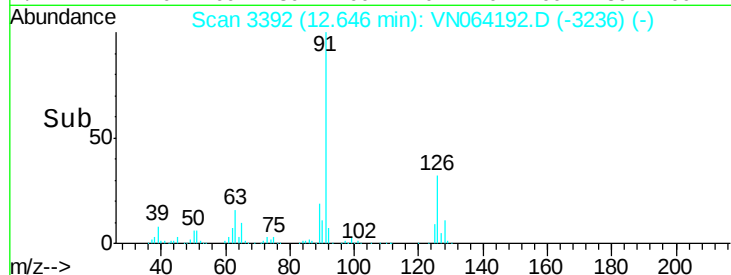
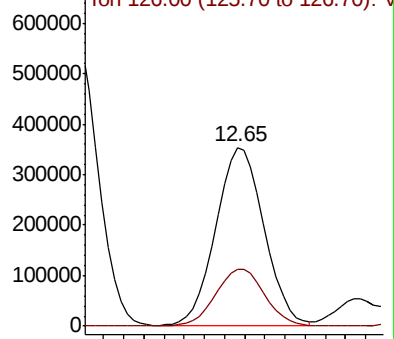
Ion Ratio Lower Upper

91 100

126 32.6 0.0 62.4



Abundance Ion 91.00 (90.70 to 91.70): VN064192.D (-3380) (-)



#76

1,3,5-Trimethylbenzene

Concen: 54.561 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064192.D

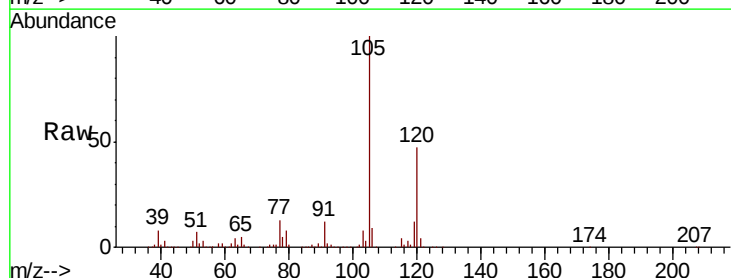
Acq: 20 Oct 2020 10:48

Tgt Ion: 105 Resp: 732689

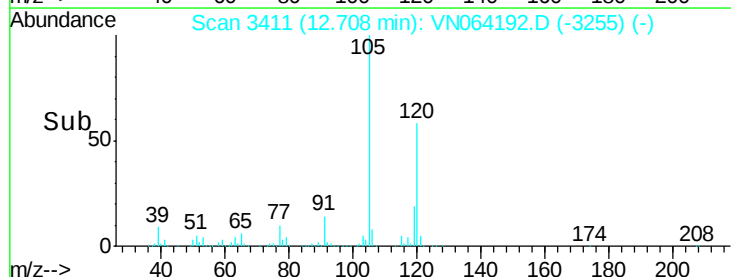
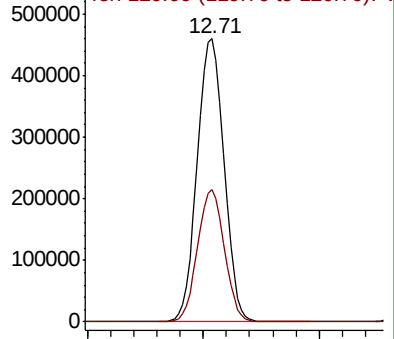
Ion Ratio Lower Upper

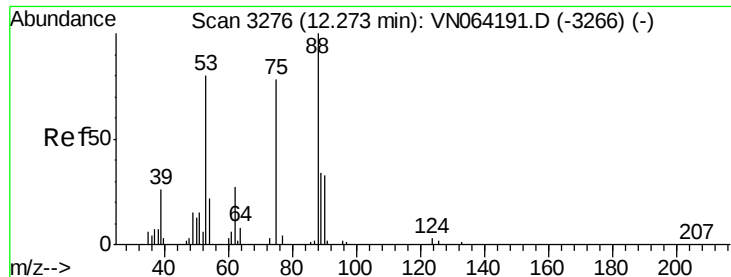
105 100

120 46.5 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN064192.D (-3395) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 50.911 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

BNA_N

ClientSampleId :

VSTDIC050

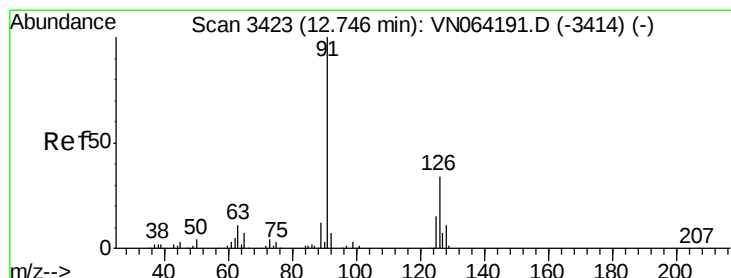
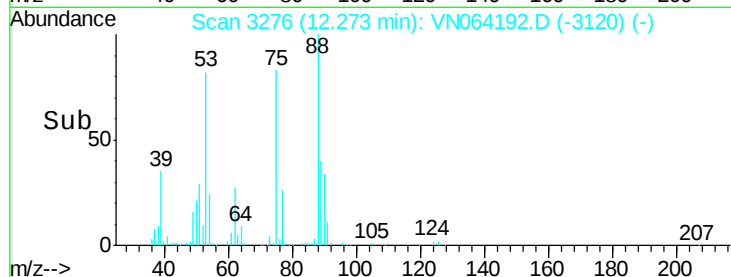
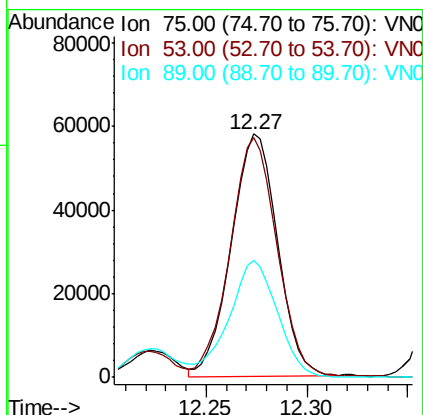
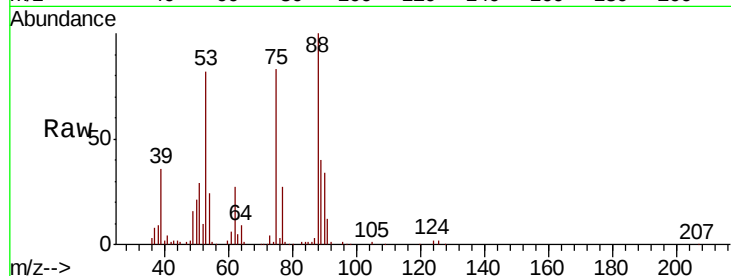
Tot Ion: 75 Resp: 92639

Ion Ratio Lower Upper

75 100

53 98.4 51.4 154.2

89 48.4 23.8 71.5



#78

4-Chlorotoluene

Concen: 52.618 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064192.D

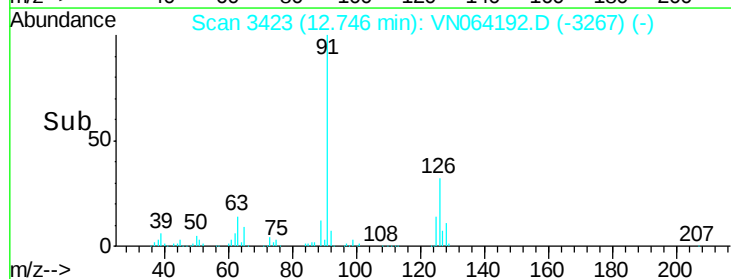
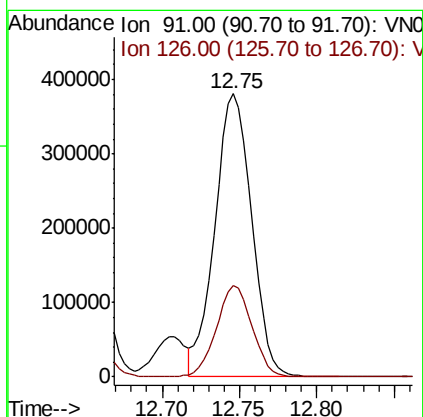
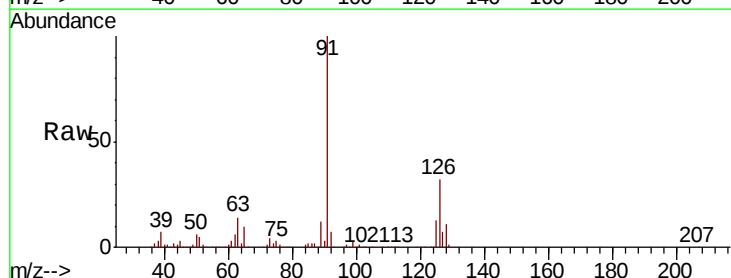
Acq: 20 Oct 2020 10:48

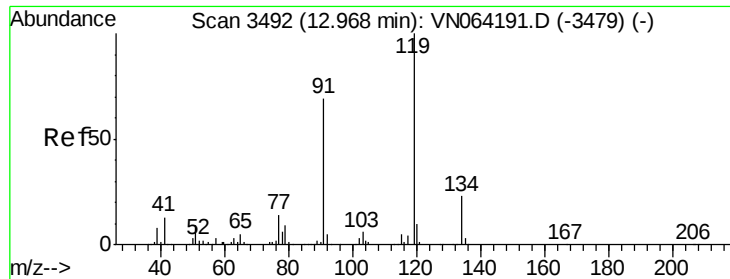
Tgt Ion: 91 Resp: 626740

Ion Ratio Lower Upper

91 100

126 31.3 0.0 63.2

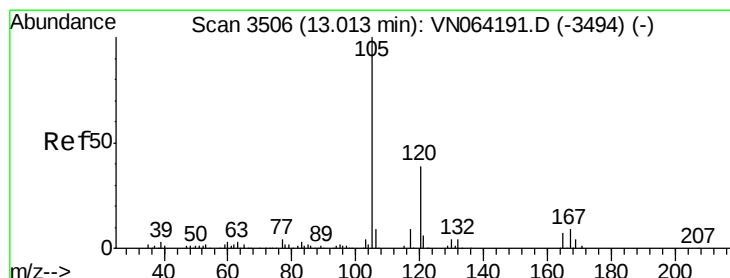
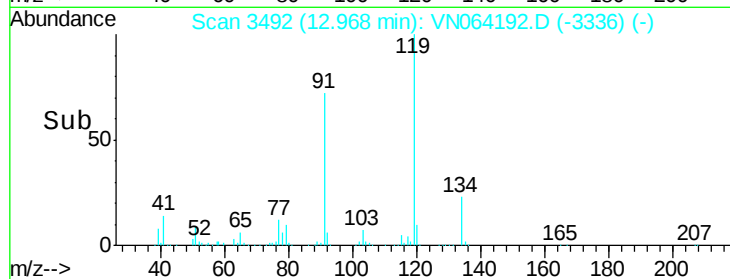
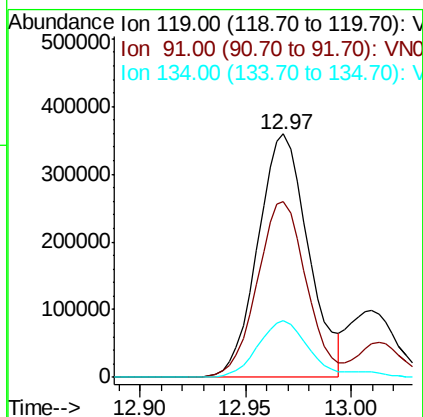
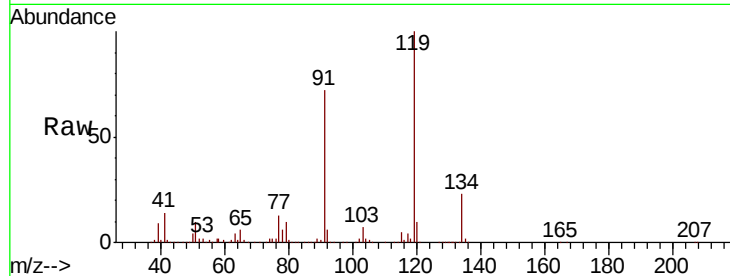




#79
tert-butylbenzene
Concen: 55.197 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

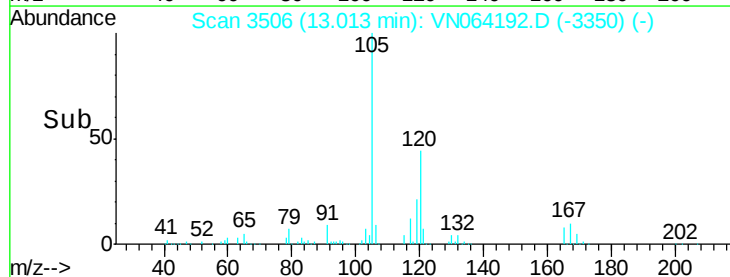
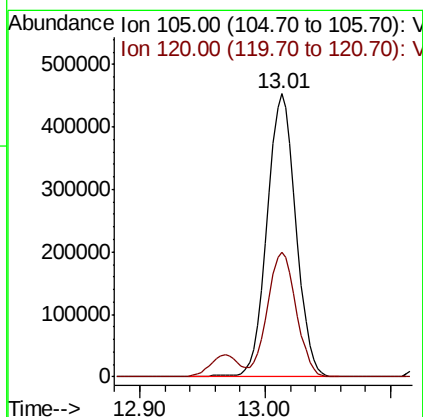
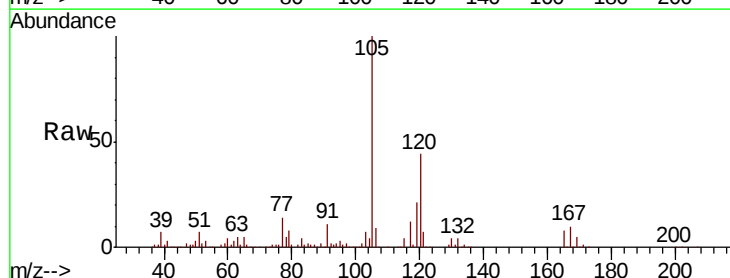
Instrument :
BNA_N
ClientSampleId :
VSTDIC050

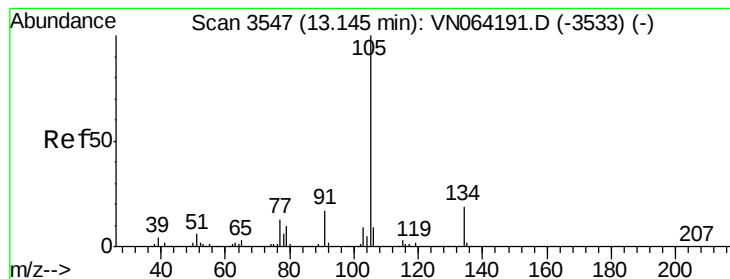
Tot Ion:119 Resp: 598148
Ion Ratio Lower Upper
119 100
91 70.6 0.0 143.2
134 23.0 0.0 49.2



#80
1,2,4-Trimethylbenzene
Concen: 53.591 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Tgt Ion:105 Resp: 723598
Ion Ratio Lower Upper
105 100
120 44.2 0.0 85.8





#81

sec-Butylbenzene

Concen: 54.439 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

BNA_N

ClientSampled :

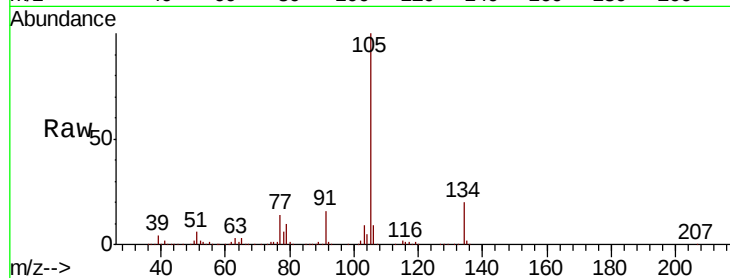
VSTDIC050

Tot Ion:105 Resp: 773318

Ion Ratio Lower Upper

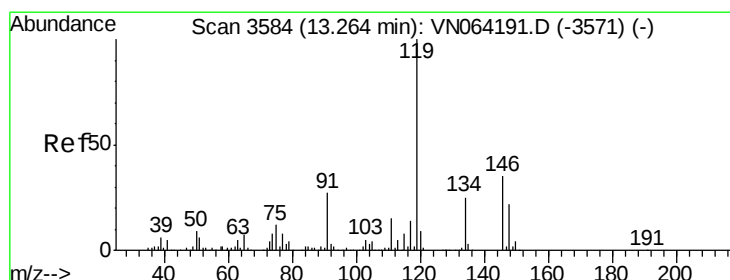
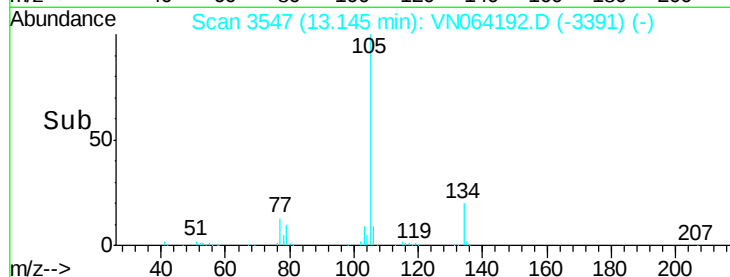
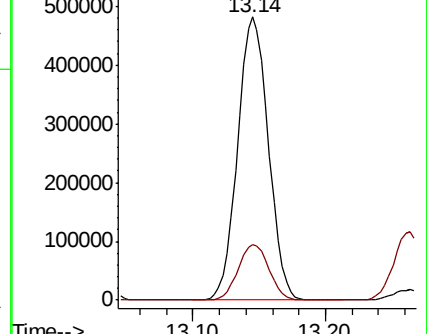
105 100

134 19.7 0.0 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 54.919 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

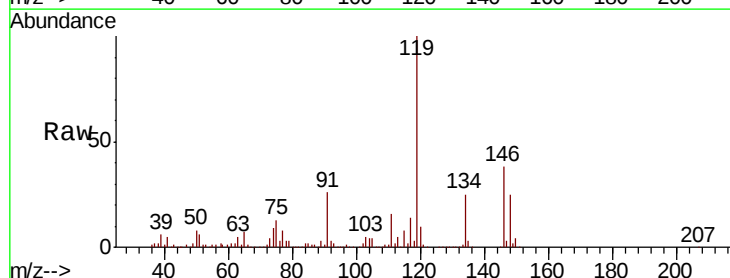
Tgt Ion:119 Resp: 711459

Ion Ratio Lower Upper

119 100

134 25.3 0.0 51.4

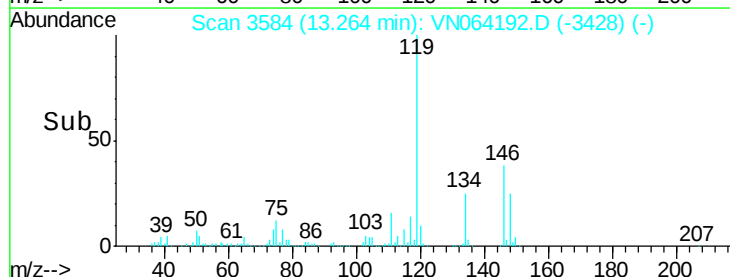
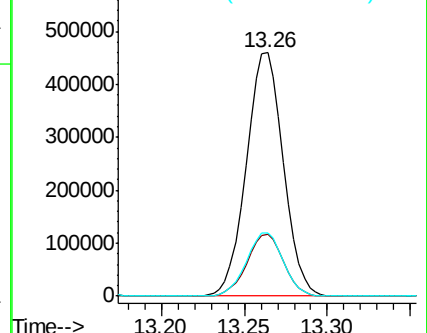
91 25.9 0.0 52.8

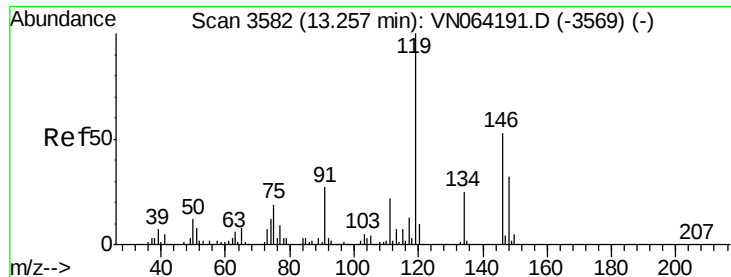


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

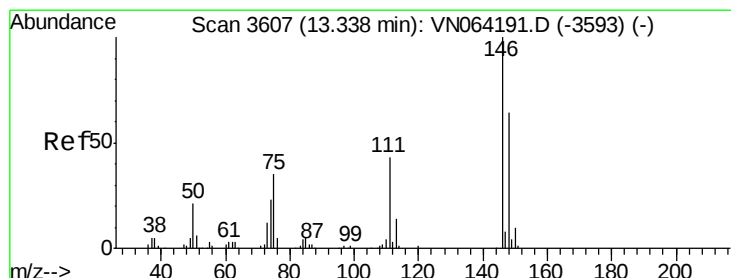
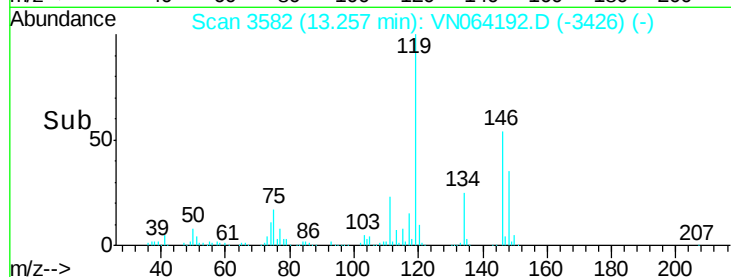
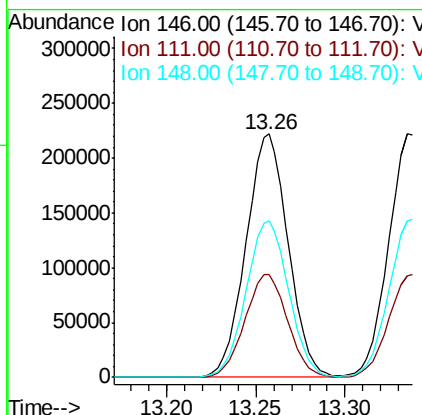
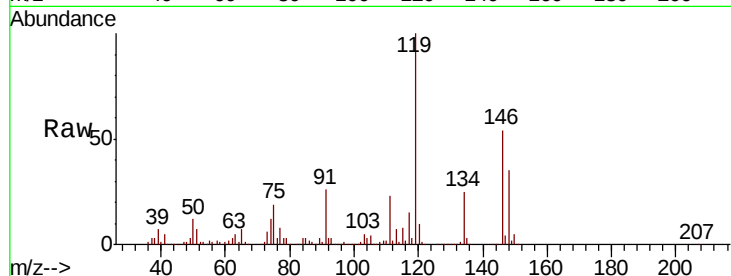




#83
 1,3-Dichlorobenzene
 Concen: 51.658 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

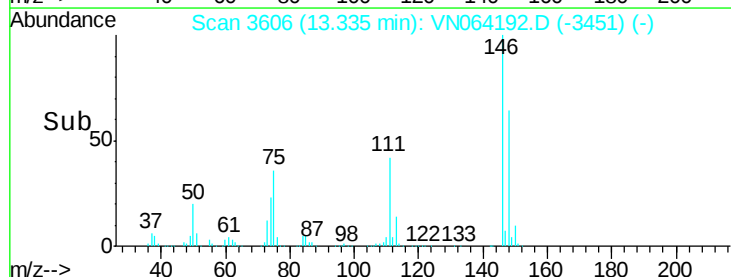
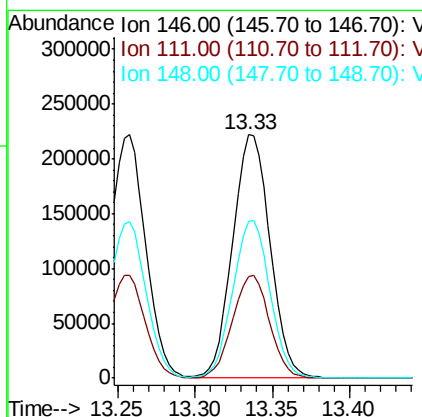
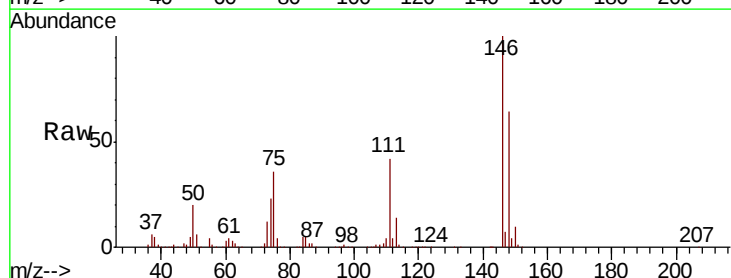
Instrument :
 BNA_N
 ClientSampleId :
 VSTDIC050

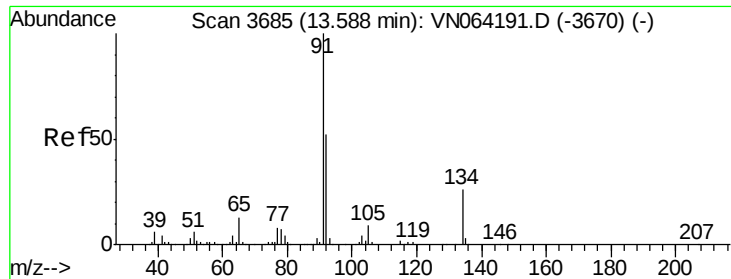
Tot Ion:146 Resp: 366876
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.8 65.4
 148 64.7 31.4 94.2



#84
 1,4-Dichlorobenzene
 Concen: 52.260 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

Tgt Ion:146 Resp: 371438
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.9 62.8
 148 64.4 30.9 92.7

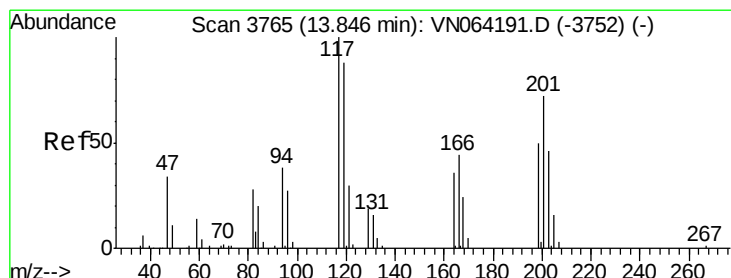
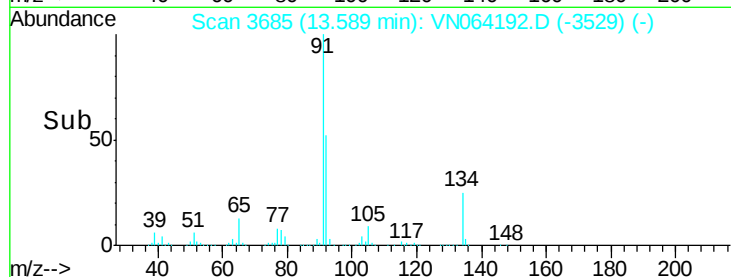
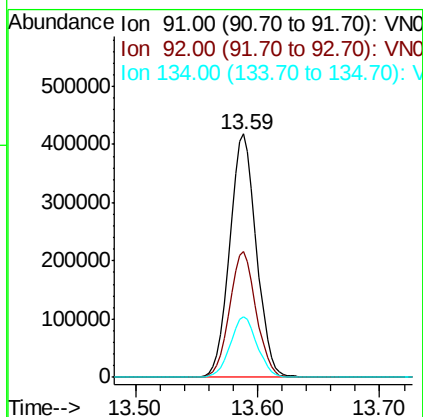
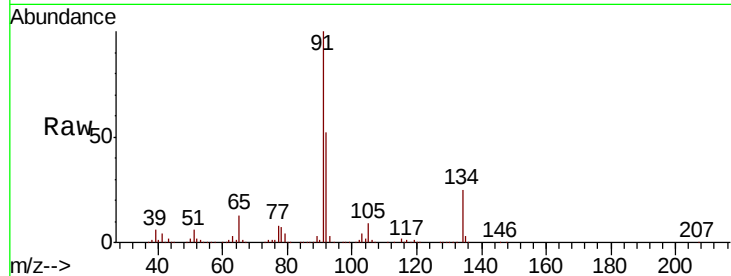




#85
n-Butylbenzene
Concen: 56.169 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

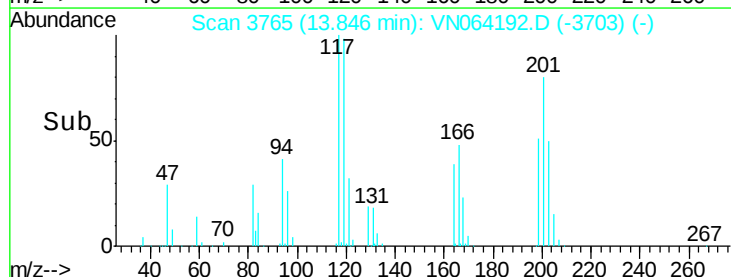
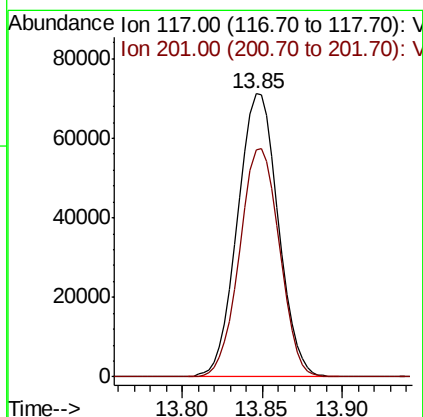
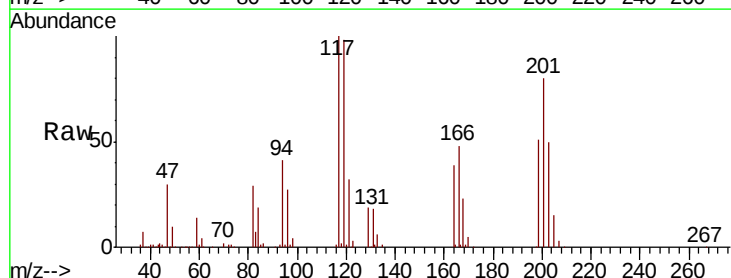
Instrument :
BNA_N
ClientSampleId :
VSTDIC050

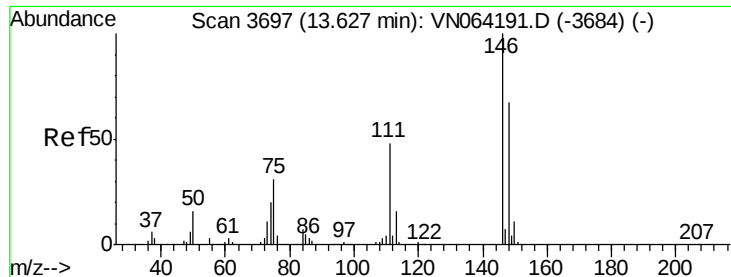
Tot Ion: 91 Resp: 635884
Ion Ratio Lower Upper
91 100
92 51.7 0.0 104.8
134 25.1 0.0 49.8



#86
Hexachloroethane
Concen: 55.312 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Tgt Ion: 117 Resp: 123412
Ion Ratio Lower Upper
117 100
201 79.0 37.5 112.3





#87

1,2-Dichlorobenzene

Concen: 51.700 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

BNA_N

ClientSampled :

VSTDIC050

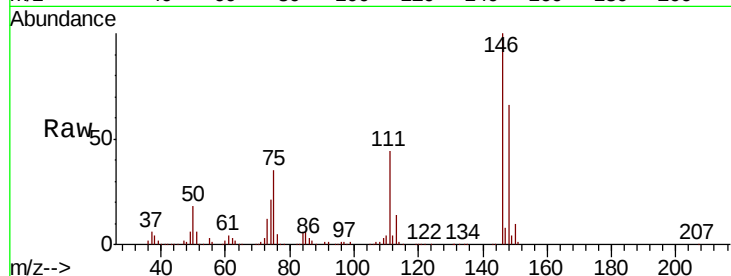
Tot Ion:146 Resp: 357737

Ion Ratio Lower Upper

146 100

111 44.4 22.6 67.8

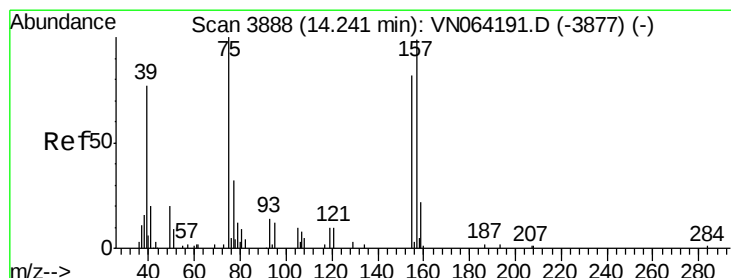
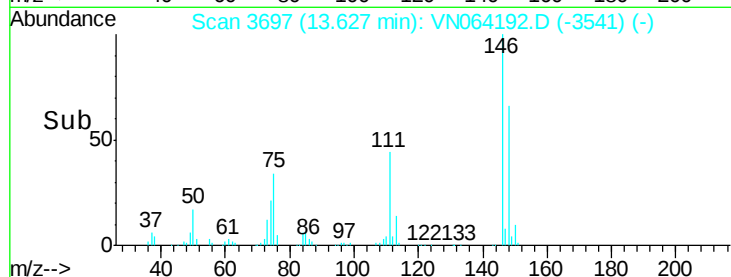
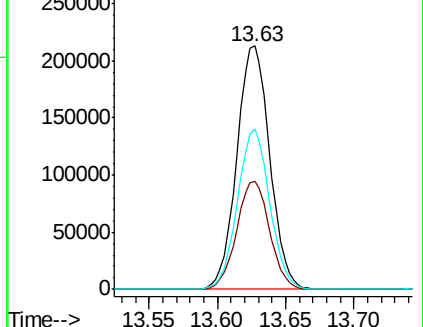
148 64.4 32.6 97.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 49.958 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

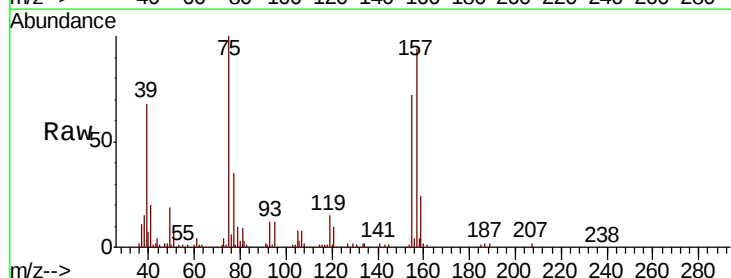
Tgt Ion: 75 Resp: 58515

Ion Ratio Lower Upper

75 100

155 74.2 61.1 91.7

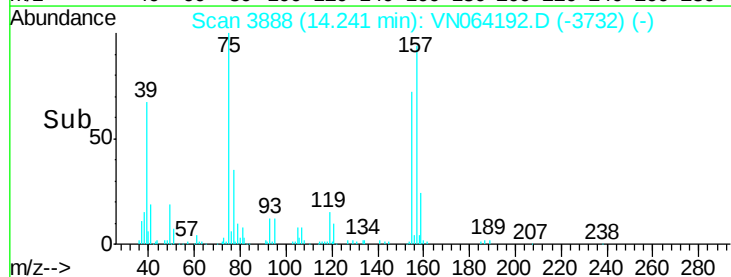
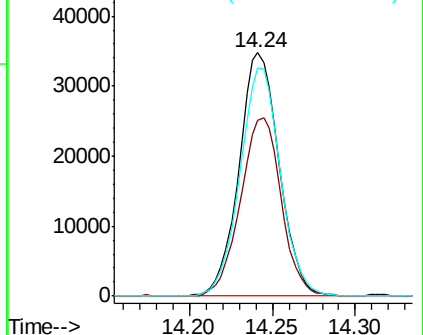
157 94.4 76.5 114.7

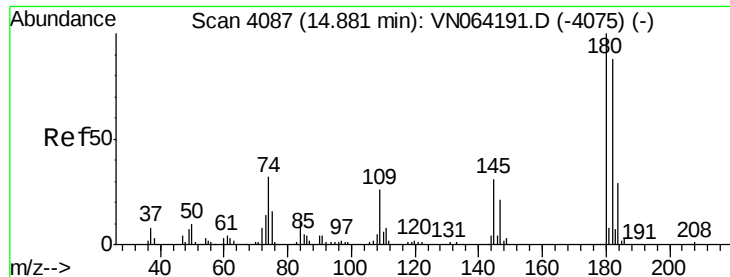


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

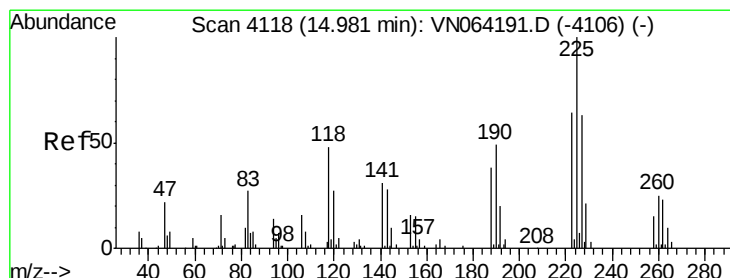
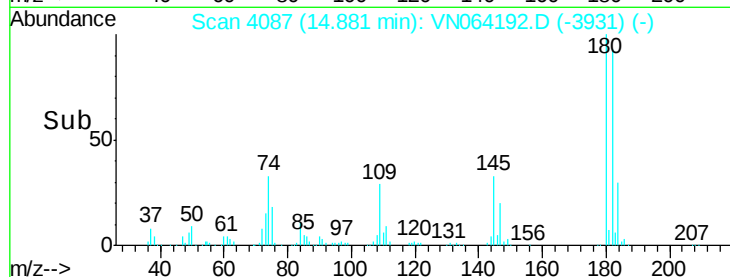
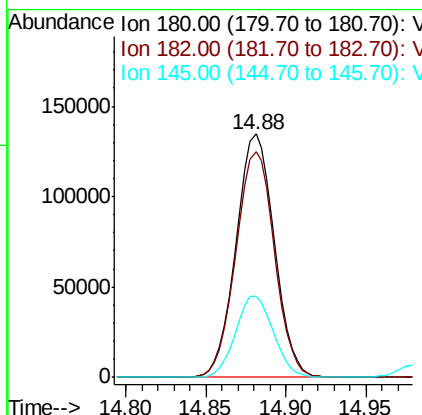
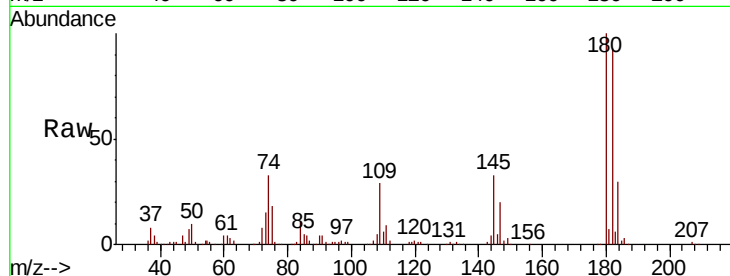




#89
1,2,4-Trichlorobenzene
Concen: 59.480 ug/l
RT: 14.88 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

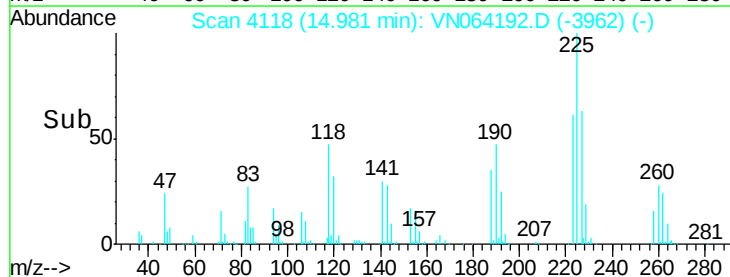
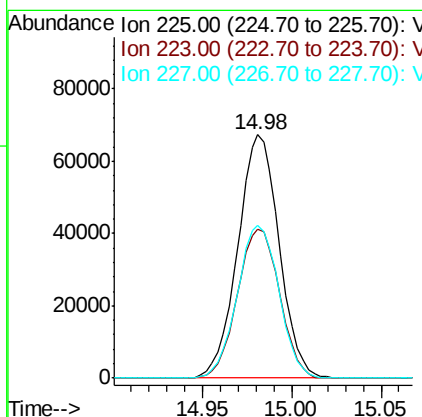
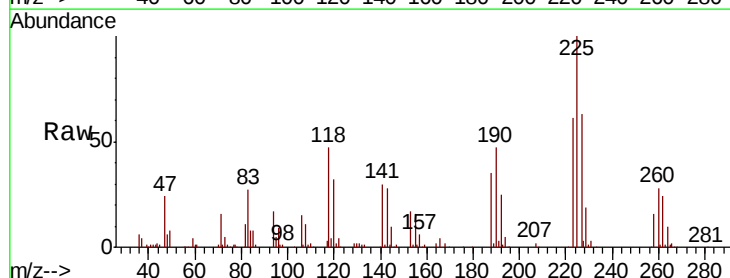
Instrument :
BNA_N
ClientSampleId :
VSTDIC050

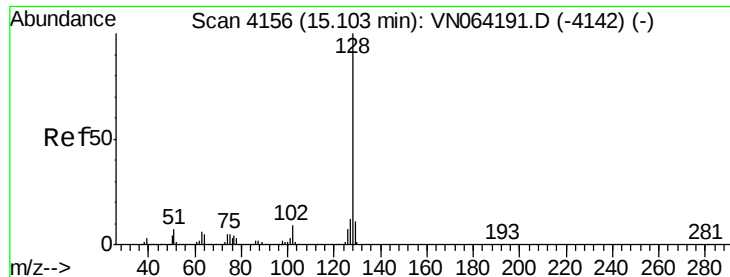
Tot Ion:180 Resp: 219670
Ion Ratio Lower Upper
180 100
182 93.5 73.0 109.4
145 33.0 24.3 36.5



#90
Hexachlorobutadiene
Concen: 56.795 ug/l
RT: 14.98 min Scan# 4118
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Tgt Ion:225 Resp: 108523
Ion Ratio Lower Upper
225 100
223 62.6 0.0 127.0
227 63.2 0.0 129.4





#91

Naphthalene

Concen: 60.012 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

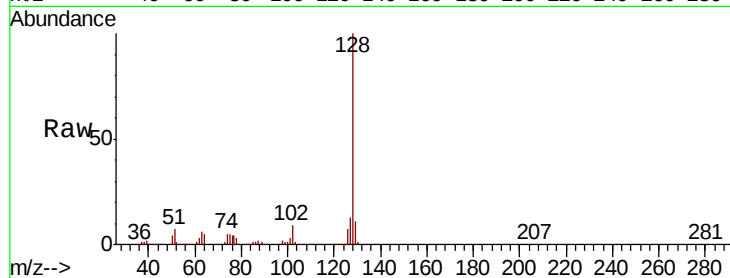
BNA_N

ClientSampleId :

VSTDIC050

Tot Ion:128 Resp: 667257

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	10.9	8.7	13.1

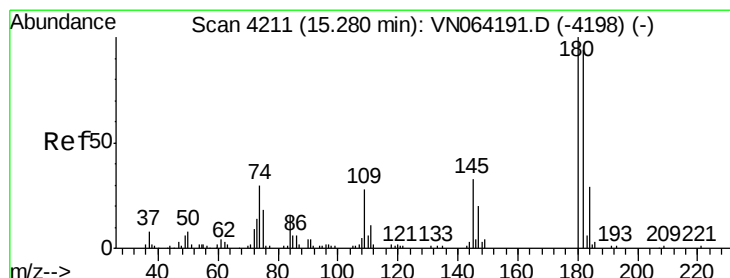
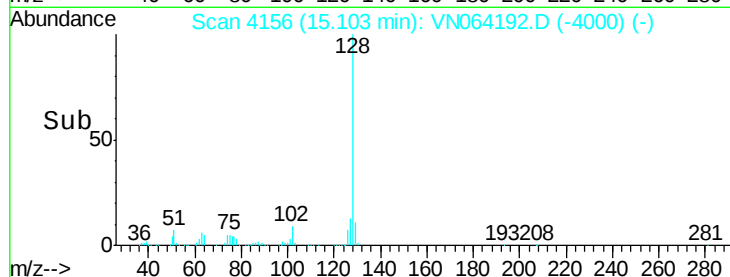
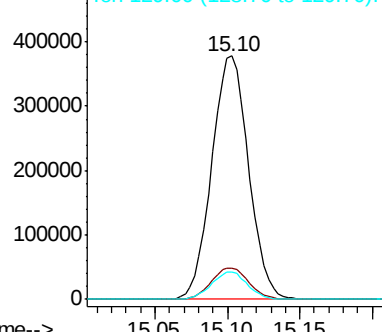


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 59.245 ug/l

RT: 15.28 min Scan# 4212

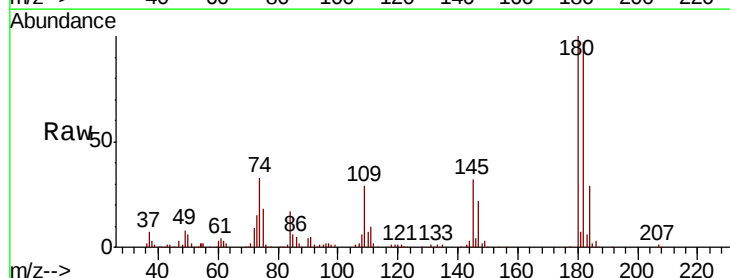
Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Tgt Ion:180 Resp: 210220

Ion	Ratio	Lower	Upper
180	100		
182	95.1	0.0	190.0
145	32.9	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

