

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064193.D
 Acq On : 20 Oct 2020 11:11
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 VSTDIC100

Quant Time: Oct 20 11:30:03 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	53440	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	297991	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	269715	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	128740	27.17	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	90.57%
60) 4-Bromofluorobenzene	12.38	95	145794	31.01	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.37%
63) Toluene-d8	10.06	98	359170	29.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	400283	114.659	ug/l 93
3) Chloromethane	2.04	50	394608	108.881	ug/l 100
4) Vinyl Chloride	2.16	62	388111	107.646	ug/l 98
5) Bromomethane	2.52	94	230923	101.083	ug/l 99
6) Chloroethane	2.67	64	220342	98.771	ug/l 99
7) Trichlorofluoromethane	2.98	101	604546	104.735	ug/l 97
8) Diethyl Ether	3.37	74	205755	110.104	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	313838	105.543	ug/l 97
10) 1,1-Dichloroethene	3.70	96	306681	109.091	ug/l 97
11) Methyl Iodide	3.91	142	472275	129.398	ug/l 99
12) Methyl Acetate	4.28	43	341916	102.457	ug/l 94
13) Acrolein	3.57	56	184539	544.843	ug/l # 1
14) Acrylonitrile	4.93	53	694426	504.358	ug/l 99
15) Acetone	3.77	58	183957	473.192	ug/l 94
16) Carbon Disulfide	4.01	76	905670	109.295	ug/l 99
17) Allyl chloride	4.28	41	573514	111.275	ug/l 98
18) Methylene Chloride	4.51	84	348418	105.675	ug/l 94
19) trans-1,2-Dichloroethene	4.99	96	336447	106.143	ug/l 92
20) Diisopropyl ether	5.90	45	1076228	103.935	ug/l 95
21) 1,1-Dichloroethane	5.80	63	646035	103.469	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	386659	106.871	ug/l 97
23) tert-Butyl Alcohol	4.73	59	311612	527.585	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	1030077	109.692	ug/l 100
25) Chloroform	7.33	83	674809	103.220	ug/l 97
26) Cyclohexane	7.61	56	512755	111.219	ug/l # 92
29) 1,1-Dichloropropene	7.75	75	513688	102.960	ug/l 98
30) 2-Butanone	6.78	43	1071616	453.210	ug/l 99
31) 2,2-Dichloropropane	6.78	77	629516	104.788	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	652148	103.105	ug/l 99
33) Carbon Tetrachloride	7.73	117	587176	104.883	ug/l 97
34) Benzene	8.00	78	1441264	102.607	ug/l # 91
35) Methacrylonitrile	7.12	41	223112	96.034	ug/l 95
36) 1,2-Dichloroethane	8.08	62	571445	93.629	ug/l 100
37) Trichloroethene	8.80	130	392627	105.053	ug/l 98
38) Methylcyclohexane	9.05	83	484466	112.524	ug/l 99
39) 1,2-Dichloropropane	9.08	63	380410	100.158	ug/l 98
40) Dibromomethane	9.17	93	259111	98.050	ug/l 99

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 BNA_N
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 VSTDICC100

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	565966	101.507	ug/l	99
42) Vinyl Acetate	5.84	43	5038350	500.987	ug/l	100
43) Ethyl Acetate	6.88	43	465782	90.923	ug/l	96
44) Isopropyl Acetate	8.13	43	878568	101.633	ug/l #	90
45) 1,4-Dioxane	9.17	88	103031	1905.024	ug/l	94
46) Methyl methacrylate	9.16	41	425575	99.776	ug/l	99
47) n-amyl Acetate	12.04	43	794986	103.212	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	655500	108.071	ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	670455	106.365	ug/l	100
50) 1,1,2-Trichloroethane	10.53	97	352379	98.751	ug/l	99
51) Ethyl methacrylate	10.40	69	561002	106.694	ug/l	99
52) 1,3-Dichloropropane	10.68	76	612233	100.147	ug/l	99
53) Dibromochloromethane	10.87	129	451789	108.949	ug/l	98
54) 1,2-Dibromoethane	10.98	107	379325	101.547	ug/l	97
55) 2-Chloroethyl vinyl ether	9.66	63	1467589	519.989	ug/l	100
56) Bromoform	12.10	173	318742	109.724	ug/l	100
58) 4-Methyl-2-Pentanone	9.95	43	2356804	480.699	ug/l	100
59) 2-Hexanone	10.72	43	1743672	475.757	ug/l	98
61) Tetrachloroethene	10.60	164	363441	109.795	ug/l	97
62) Toluene	10.13	91	1582515	105.919	ug/l	100
64) Chlorobenzene	11.41	112	995979	109.211	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	388521	109.298	ug/l	98
66) Ethyl Benzene	11.48	91	1821076	109.513	ug/l	98
67) m/p-Xylenes	11.59	106	1356304	220.587	ug/l	100
68) o-Xylene	11.92	106	664877	113.028	ug/l	94
69) Styrene	11.94	104	1135034	113.013	ug/l	99
70) Isopropylbenzene	12.22	105	1747158	111.491	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	475537	98.881	ug/l	97
72) 1,2,3-Trichloropropane	12.53	75	712841	148.418	ug/l	50
73) Bromobenzene	12.50	156	420899	106.055	ug/l	97
74) n-propylbenzene	12.57	91	2015728	110.553	ug/l	99
75) 2-Chlorotoluene	12.65	91	1236272	111.054	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	1504750	113.740	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	203552	113.549	ug/l	95
78) 4-Chlorotoluene	12.75	91	1312101	111.817	ug/l	99
79) tert-butylbenzene	12.97	119	1235400	115.719	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	1517606	114.089	ug/l	99
81) sec-Butylbenzene	13.14	105	1584349	113.211	ug/l	100
82) p-Isopropyltoluene	13.26	119	1479619	115.935	ug/l	99
83) 1,3-Dichlorobenzene	13.25	146	772573	110.421	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	776245	110.859	ug/l	98
85) n-Butylbenzene	13.59	91	1312669	117.697	ug/l	99
86) Hexachloroethane	13.85	117	258843	117.757	ug/l	94
87) 1,2-Dichlorobenzene	13.63	146	751667	110.267	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	119991	103.987	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	451915	124.206	ug/l	97
90) Hexachlorobutadiene	14.98	225	220018	116.878	ug/l	99
91) Naphthalene	15.10	128	1369308	125.006	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	435031	124.447	ug/l	99

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
VSTDICC100

Quant Time: Oct 20 11:30:03 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

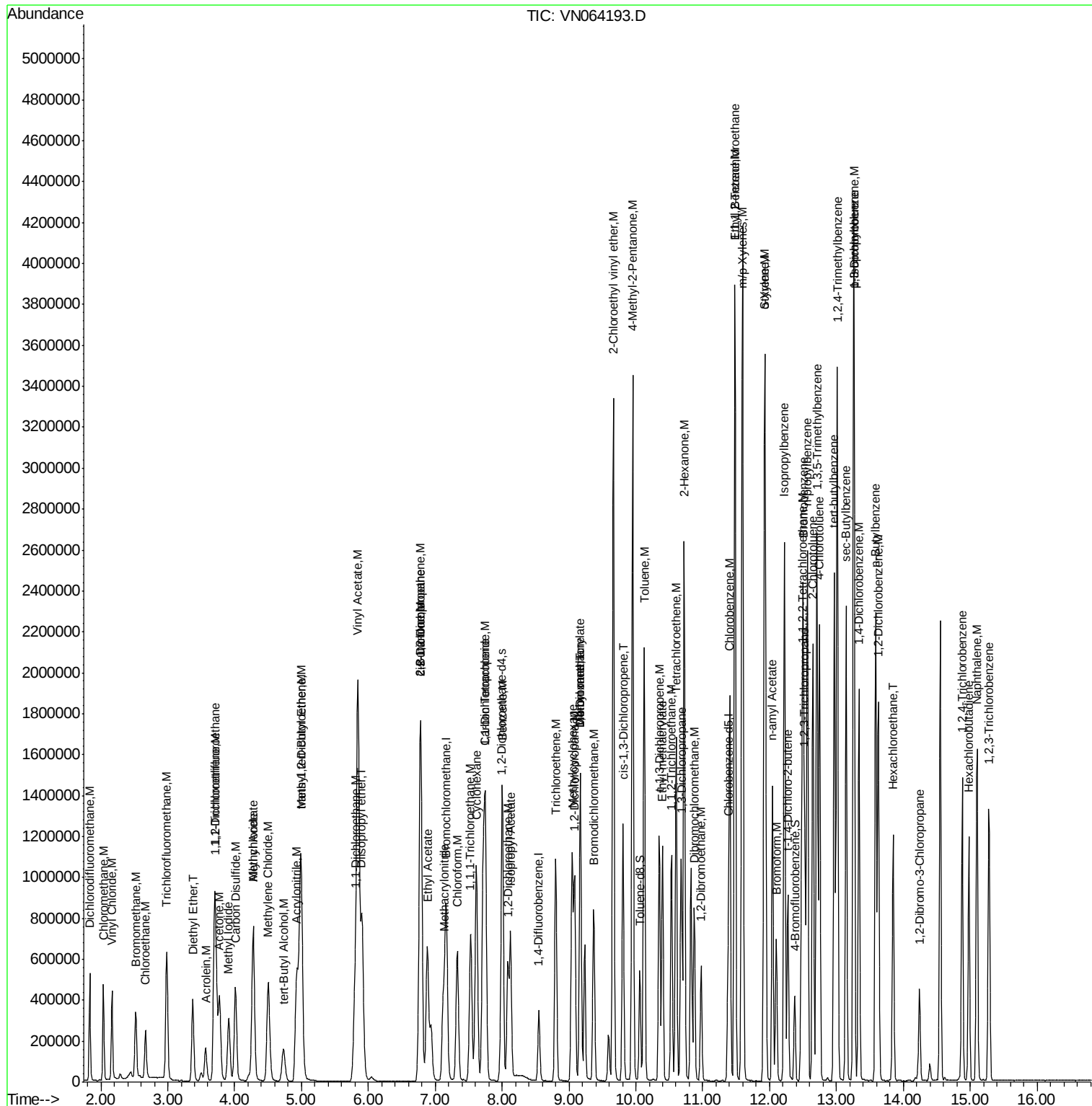
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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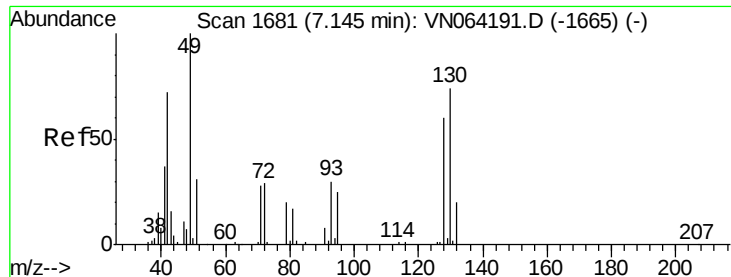
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
Data File : VN064193.D
Acq On : 20 Oct 2020 11:11
Operator : JC/MD
Sample : VSTDIC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
VSTDIC100

Quant Time: Oct 20 11:30:03 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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

VSTDIC100

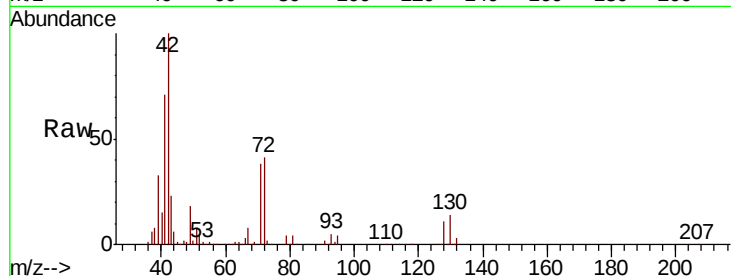
Tot Ion:128 Resp: 53440

Ion Ratio Lower Upper

128 100

49 173.5 0.0 433.3

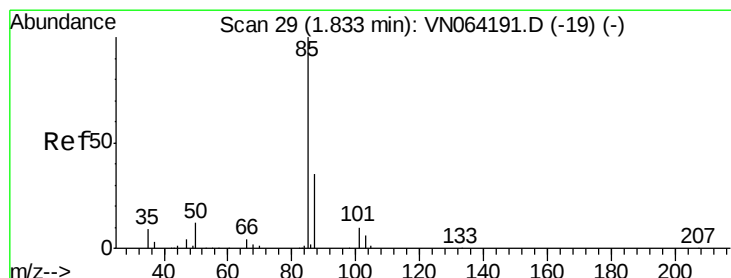
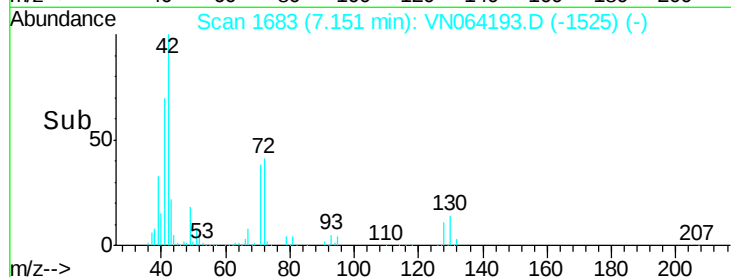
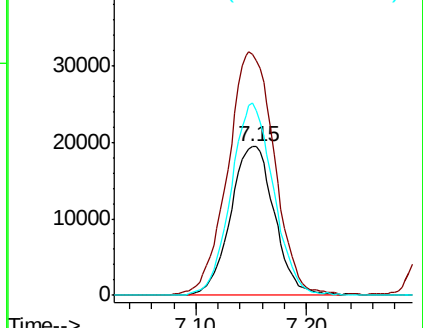
130 125.3 0.0 322.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 114.659 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064193.D

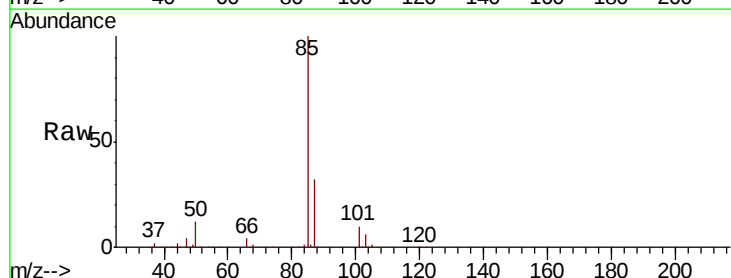
Acq: 20 Oct 2020 11:11

Tgt Ion: 85 Resp: 400283

Ion Ratio Lower Upper

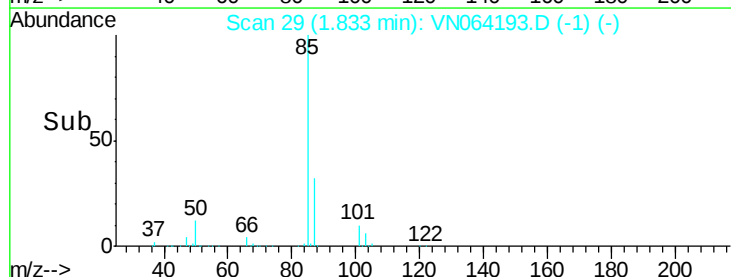
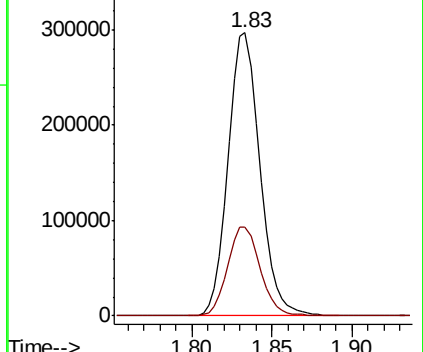
85 100

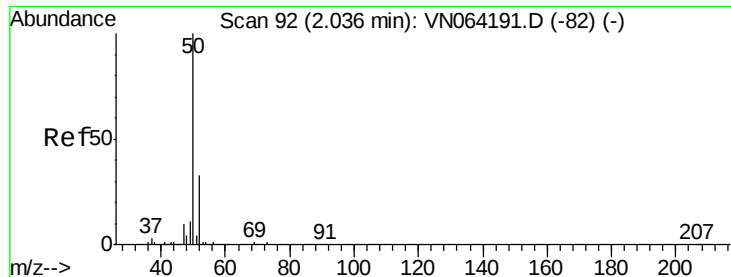
87 31.6 17.8 53.3



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN

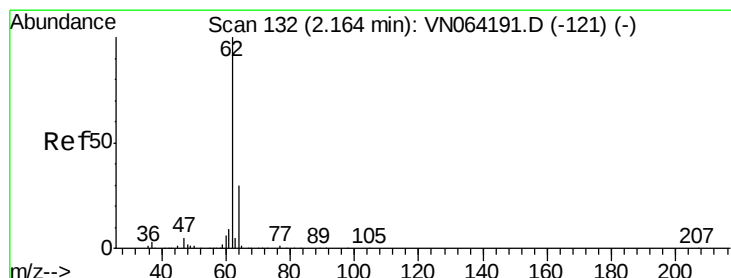
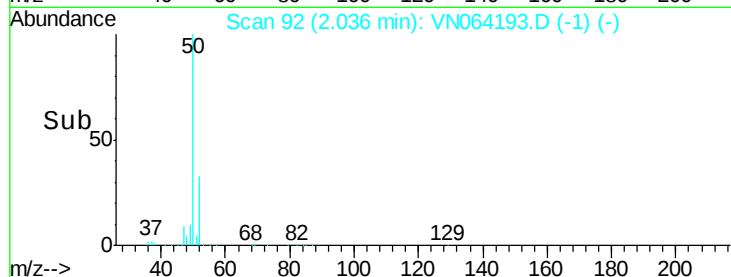
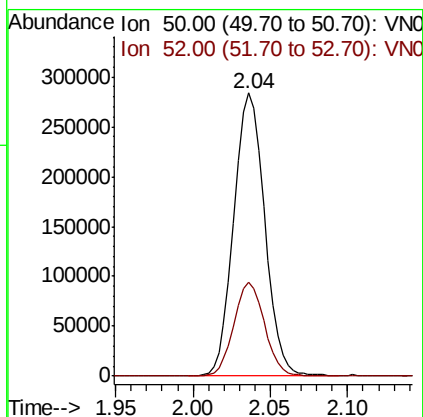
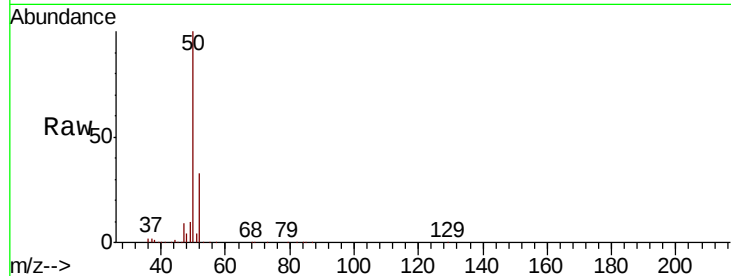




#3
Chloromethane
Concen: 108.881 ug/l
RT: 2.04 min Scan# 92
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

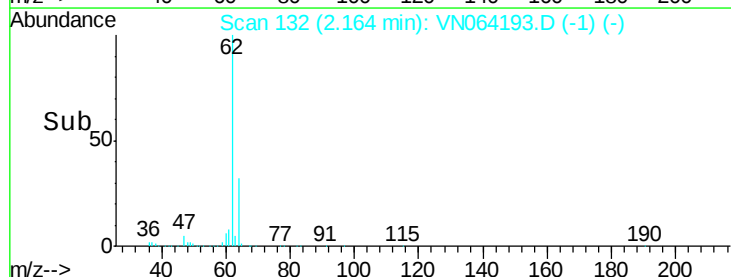
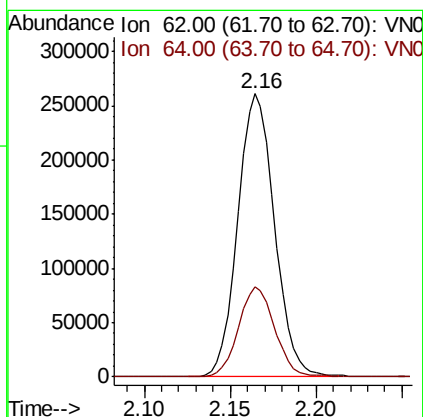
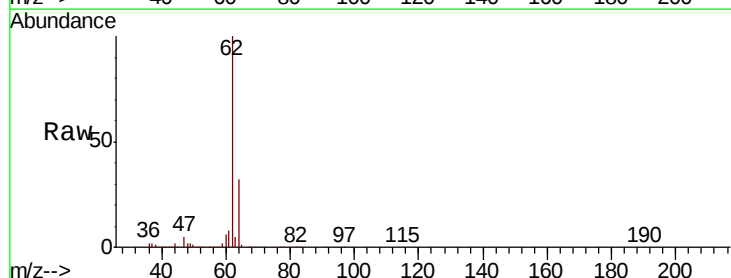
Instrument :
BNA_N
ClientSampleId :
VSTDIC100

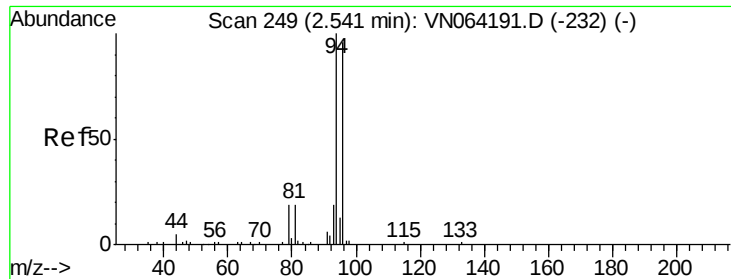
Tot Ion: 50 Resp: 394608
Ion Ratio Lower Upper
50 100
52 33.1 26.6 40.0



#4
Vinyl Chloride
Concen: 107.646 ug/l
RT: 2.16 min Scan# 132
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion: 62 Resp: 388111
Ion Ratio Lower Upper
62 100
64 31.7 24.4 36.6





#5

Bromomethane

Concen: 101.083 ug/l

RT: 2.52 min Scan# 243

Delta R.T. -0.02 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

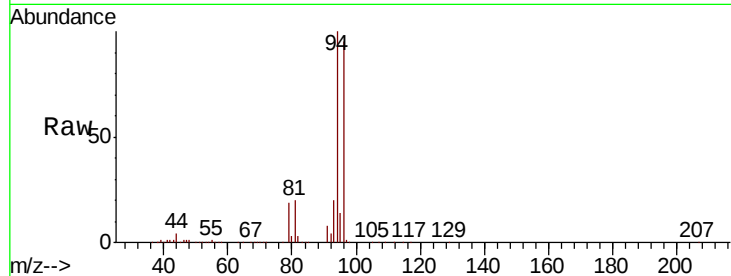
VSTDIC100

Tot Ion: 94 Resp: 230923

Ion Ratio Lower Upper

94 100

96 94.4 76.6 115.0



Abundance Ion 94.00 (93.70 to 94.70): VN064193.D (-243) (-)

Ion 96.00 (95.70 to 96.70): VN064193.D (-243) (-)

2.52

120000

100000

80000

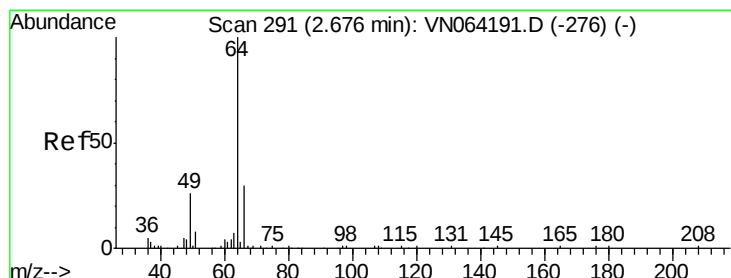
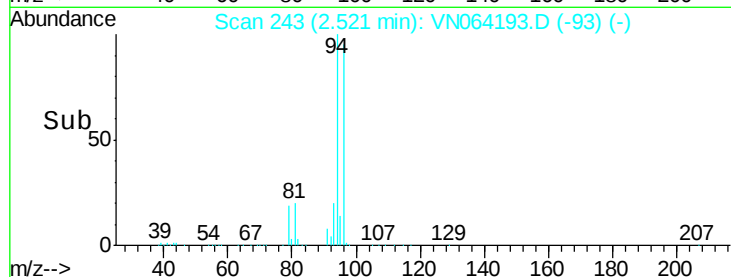
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 98.771 ug/l

RT: 2.67 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN064193.D

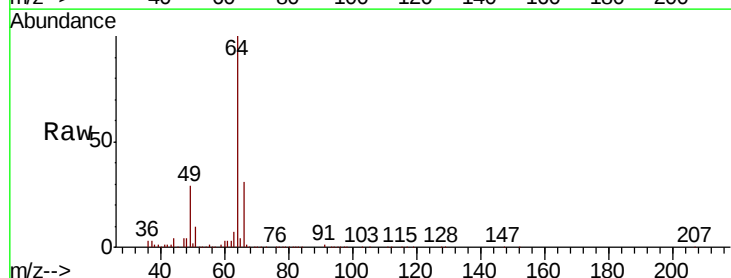
Acq: 20 Oct 2020 11:11

Tgt Ion: 64 Resp: 220342

Ion Ratio Lower Upper

64 100

66 31.2 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VN064193.D (-288) (-)

Ion 66.00 (65.70 to 66.70): VN064193.D (-288) (-)

2.67

120000

100000

80000

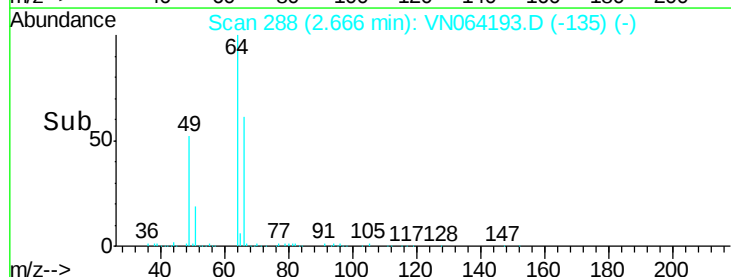
60000

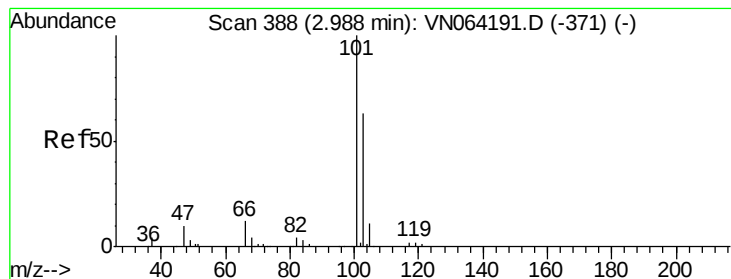
40000

20000

0

Time-->



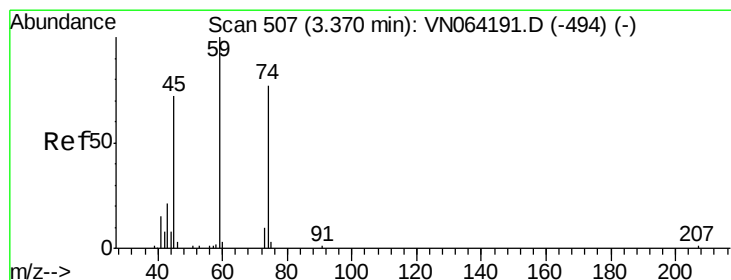
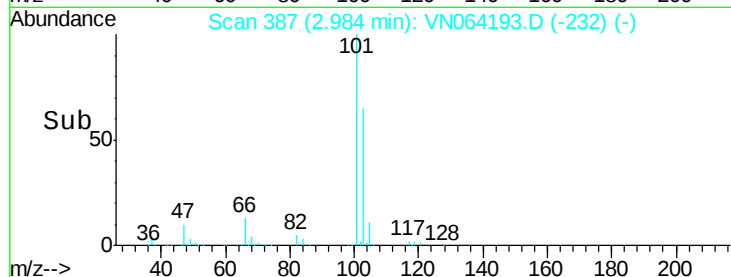
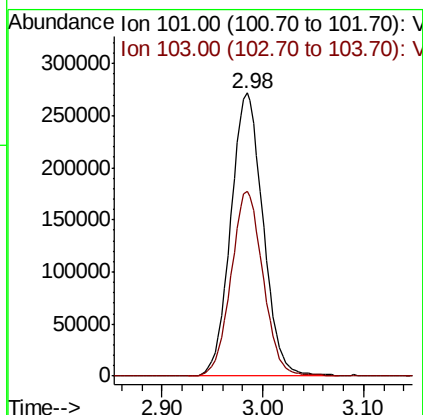
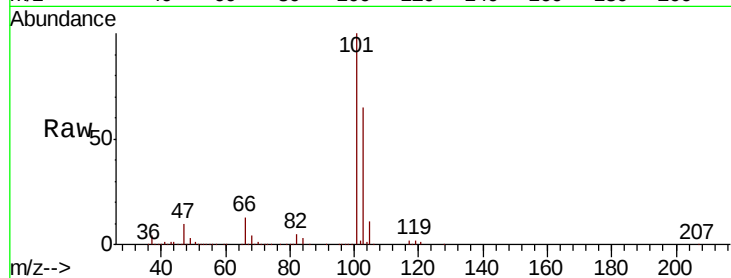


#7

Trichlorofluoromethane
 Concen: 104.735 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Instrument :
 BNA_N
 ClientSampleId :
 VSTDIC100

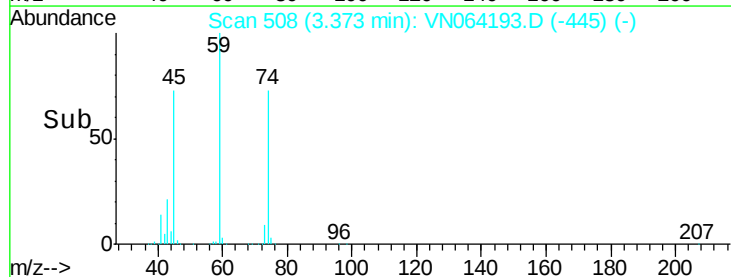
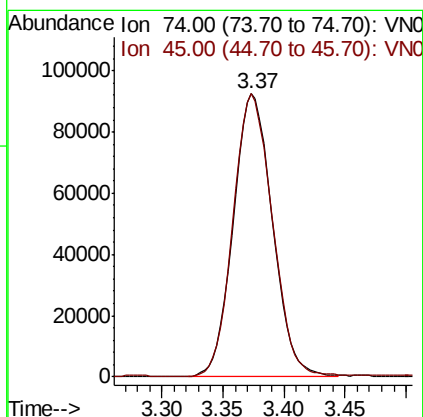
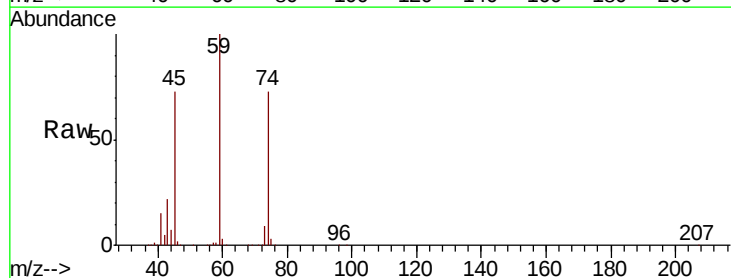
Tot Ion:101 Resp: 604546
 Ion Ratio Lower Upper
 101 100
 103 65.4 50.7 76.1

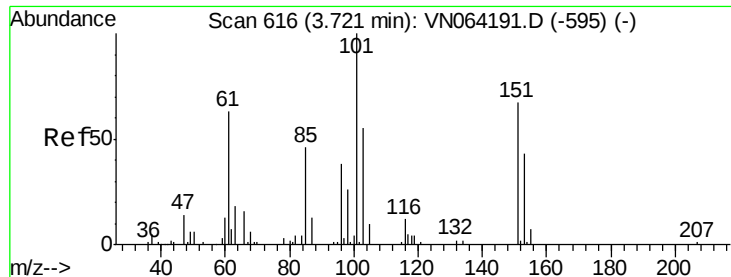


#8

Diethyl Ether
 Concen: 110.104 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion: 74 Resp: 205755
 Ion Ratio Lower Upper
 74 100
 45 100.2 19.5 175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 105.543 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

VSTDIC100

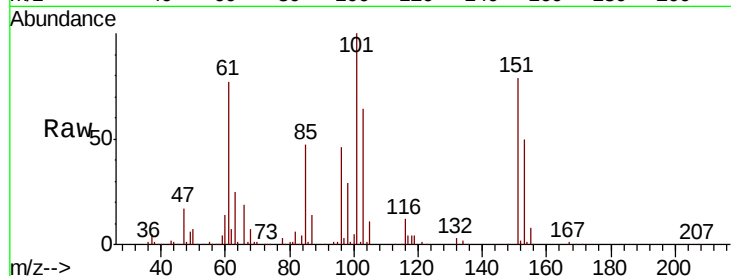
Tot Ion:101 Resp: 313838

Ion Ratio Lower Upper

101 100

85 46.9 0.0 94.0

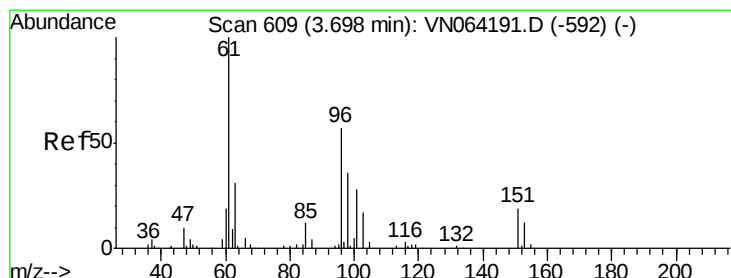
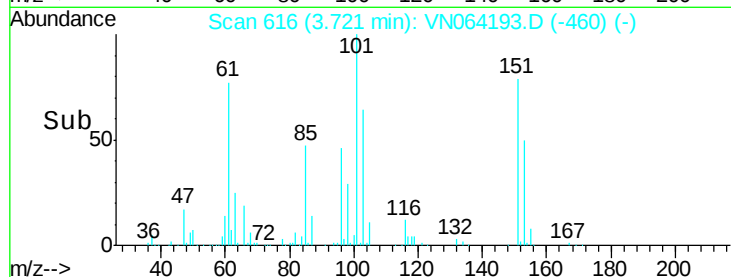
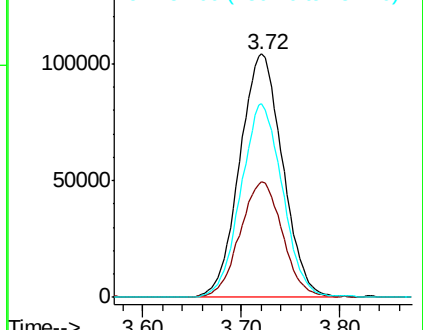
151 77.1 0.0 146.6



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: 109.091 ug/l

RT: 3.70 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

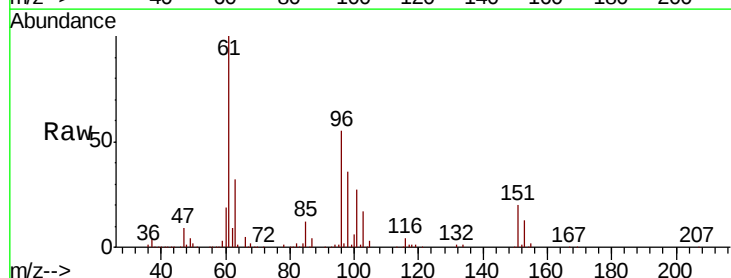
Tgt Ion: 96 Resp: 306681

Ion Ratio Lower Upper

96 100

61 182.0 141.0 211.4

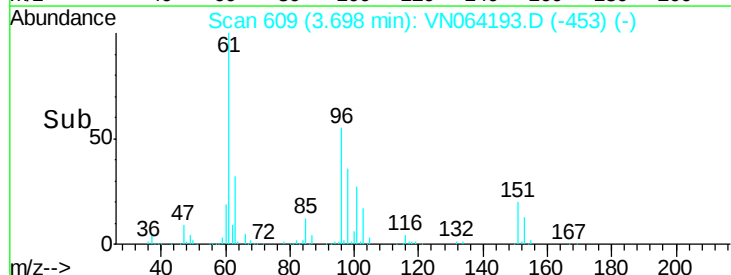
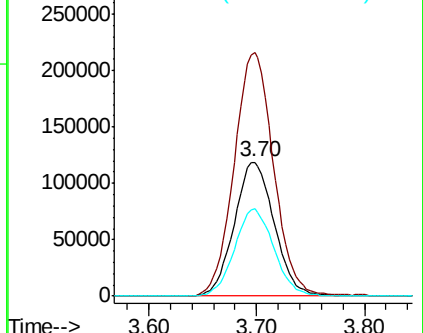
98 65.1 51.4 77.2

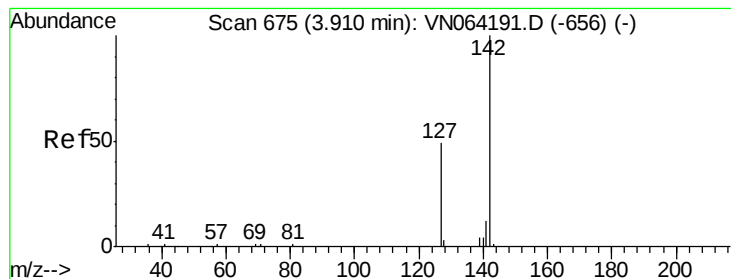


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN





#11

Methyl Iodide

Concen: 129.398 ug/l

RT: 3.91 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

VSTDIC100

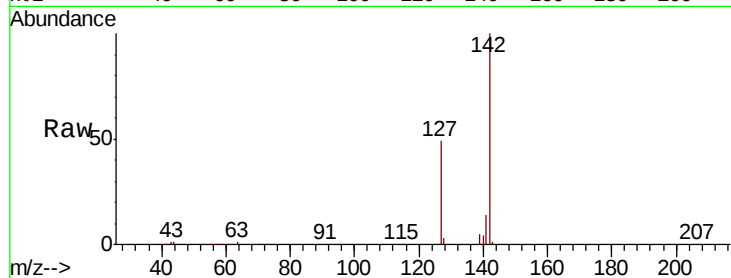
Tot Ion:142 Resp: 472275

Ion Ratio Lower Upper

142 100

127 48.8 24.5 73.5

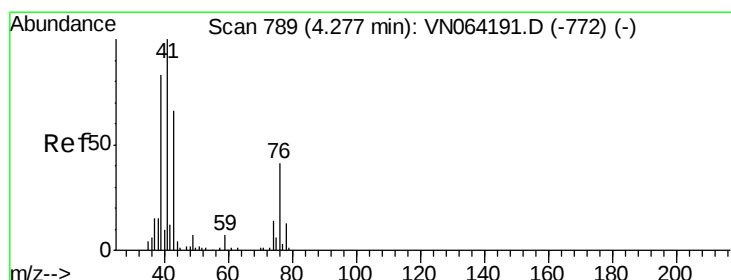
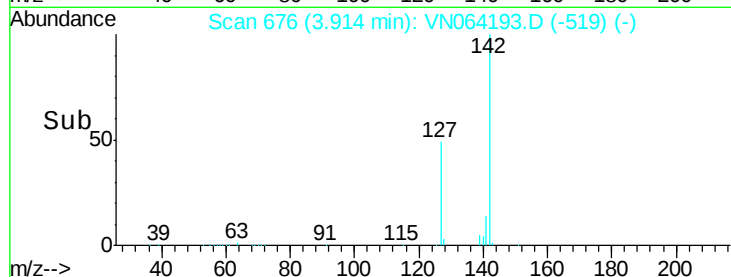
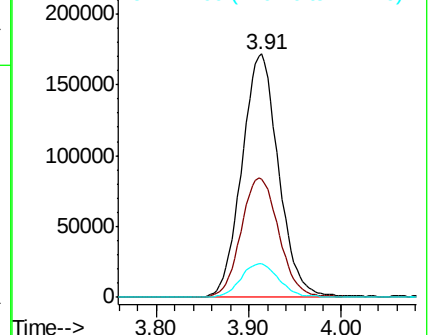
141 13.7 6.0 18.1



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 102.457 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064193.D

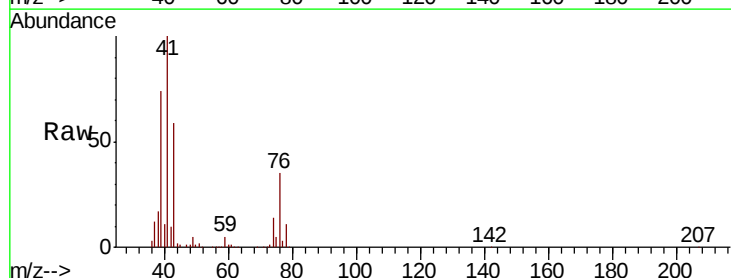
Acq: 20 Oct 2020 11:11

Tgt Ion: 43 Resp: 341916

Ion Ratio Lower Upper

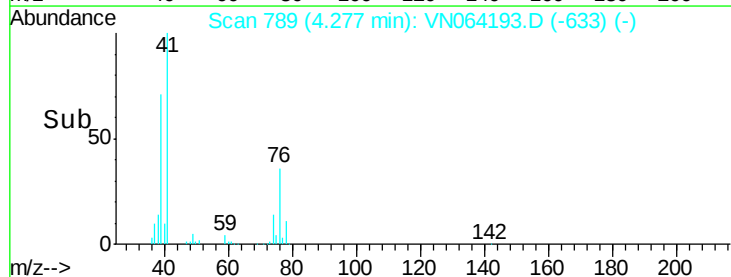
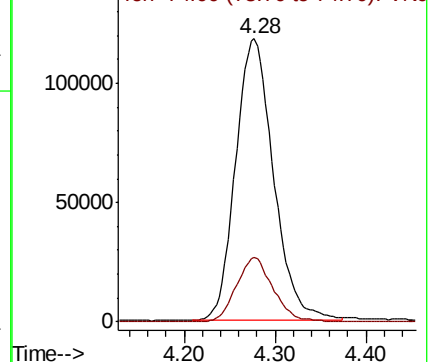
43 100

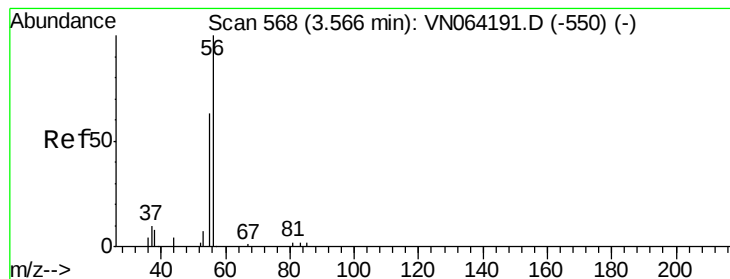
74 23.1 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 544.843 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

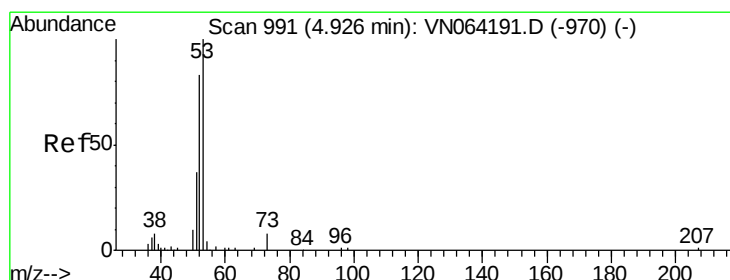
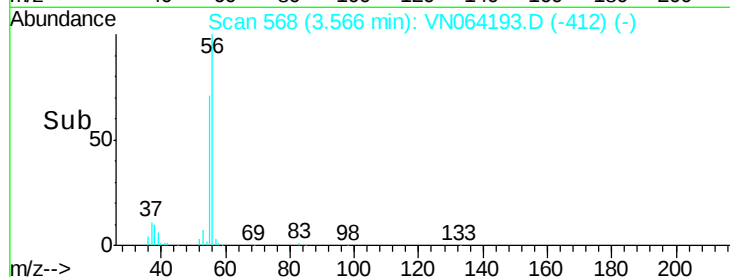
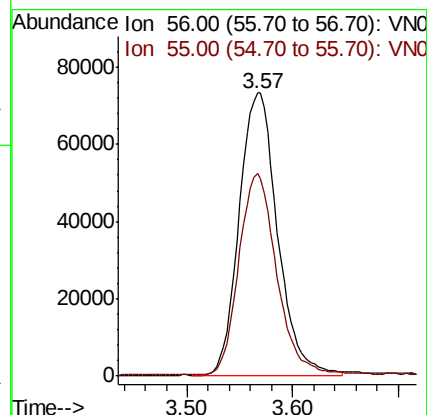
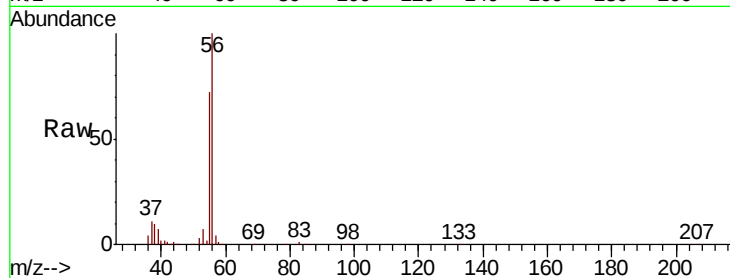
VSTDIC100

Tot Ion: 56 Resp: 184539

Ion Ratio Lower Upper

56 100

55 69.4 0.5 0.7#



#14

Acrylonitrile

Concen: 504.358 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

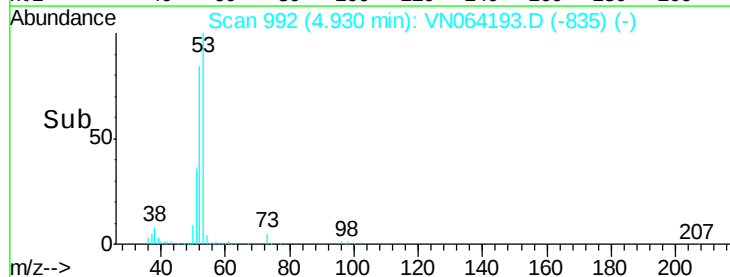
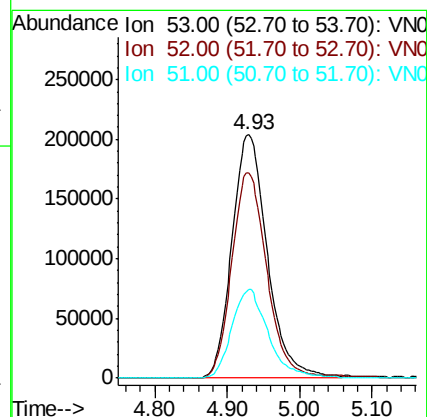
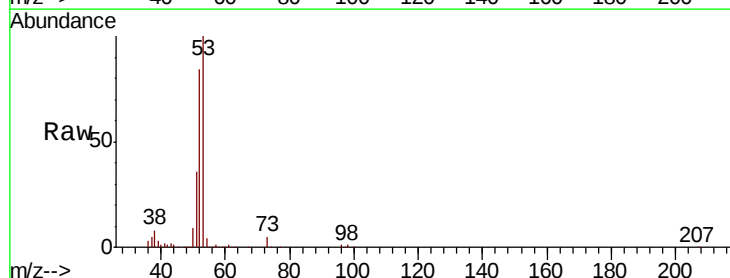
Tgt Ion: 53 Resp: 694426

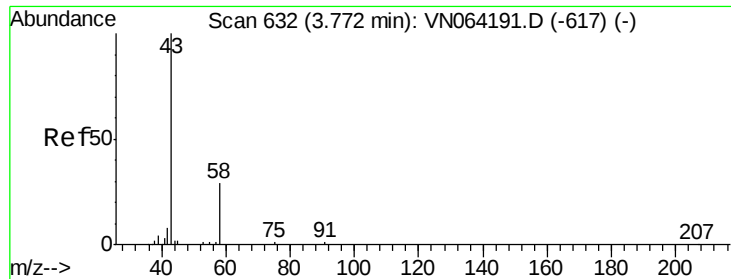
Ion Ratio Lower Upper

53 100

52 82.8 41.3 123.9

51 37.2 18.1 54.1





#15

Acetone

Concen: 473.192 ug/l

RT: 3.77 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

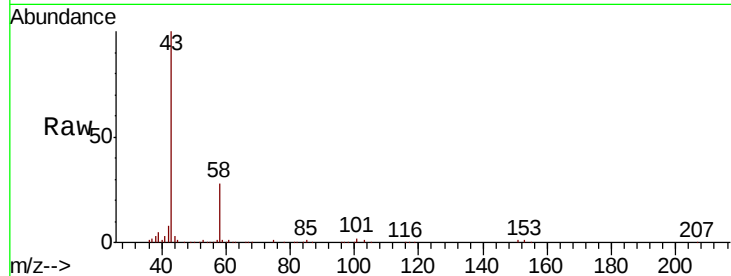
VSTDIC100

Tot Ion: 58 Resp: 183957

Ion Ratio Lower Upper

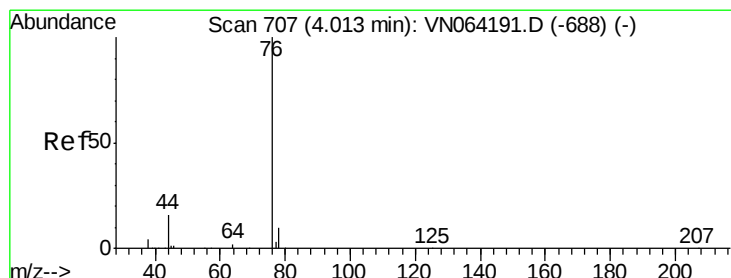
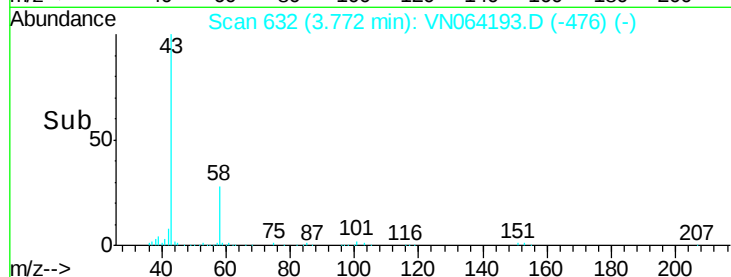
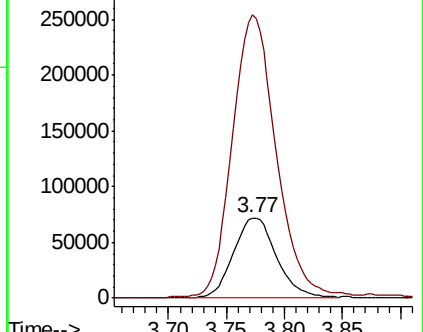
58 100

43 352.2 272.1 408.1



Abundance Ion 58.00 (57.70 to 58.70): VN064193.D (-476) (-)

Ion 43.00 (42.70 to 43.70): VN064193.D (-476) (-)



#16

Carbon Disulfide

Concen: 109.295 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064193.D

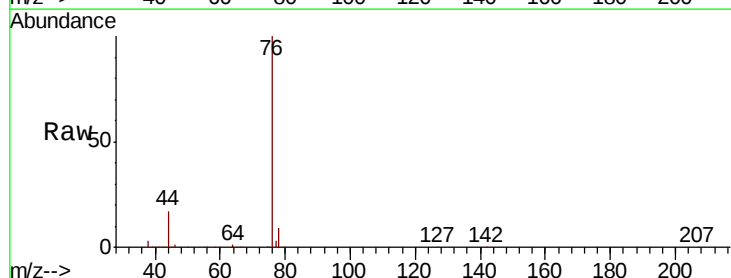
Acq: 20 Oct 2020 11:11

Tgt Ion: 76 Resp: 905670

Ion Ratio Lower Upper

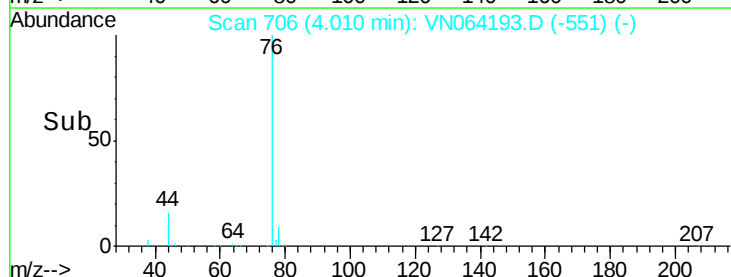
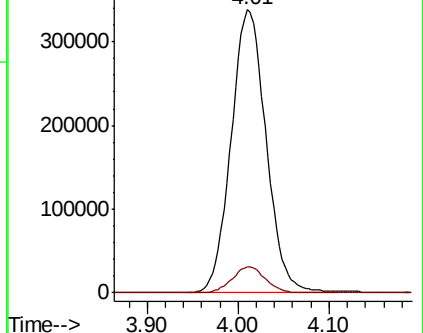
76 100

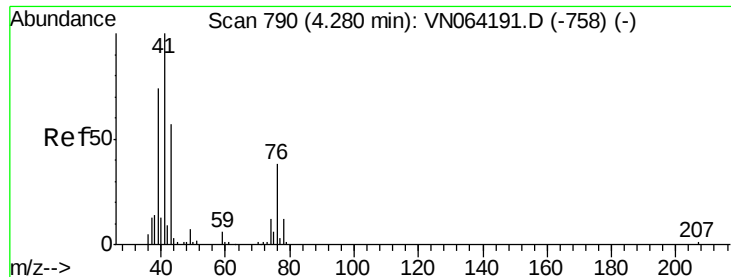
78 9.1 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VN064193.D (-551) (-)

Ion 78.00 (77.70 to 78.70): VN064193.D (-551) (-)





#17

Allvl chloride

Concen: 111.275 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

VSTDIC100

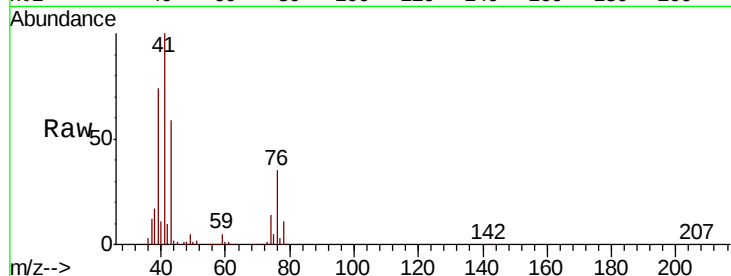
Tot Ion: 41 Resp: 573514

Ion Ratio Lower Upper

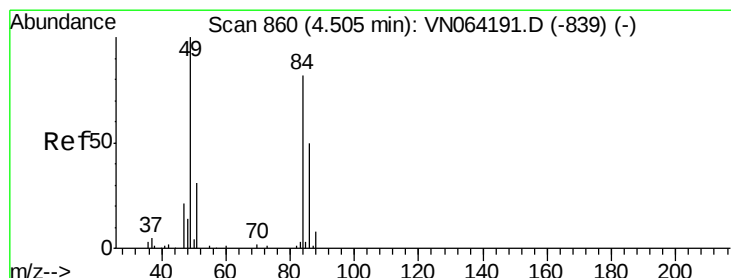
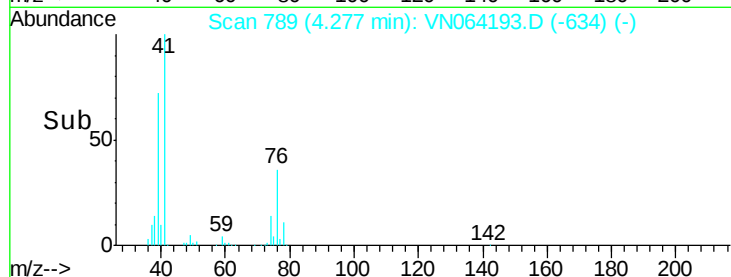
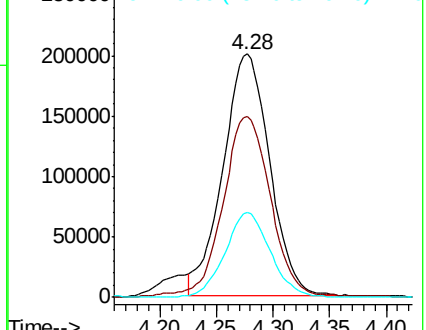
41 100

39 74.0 36.8 110.4

76 34.9 18.8 56.4



Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 76.00 (75.70 to 76.70): VNC



#18

Methylene Chloride

Concen: 105.675 ug/l

RT: 4.51 min Scan# 860

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Tgt Ion: 84 Resp: 348418

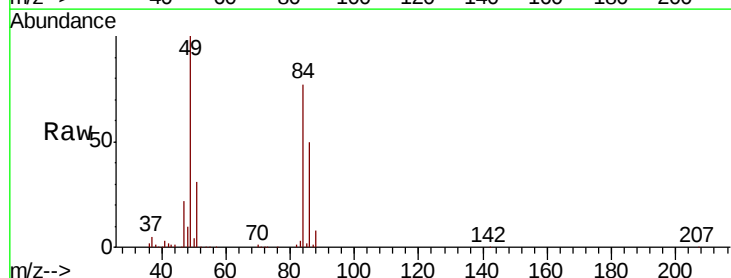
Ion Ratio Lower Upper

84 100

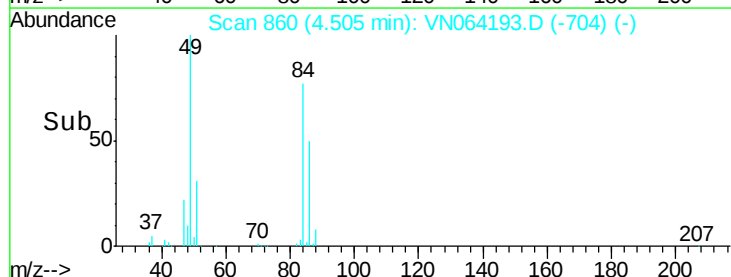
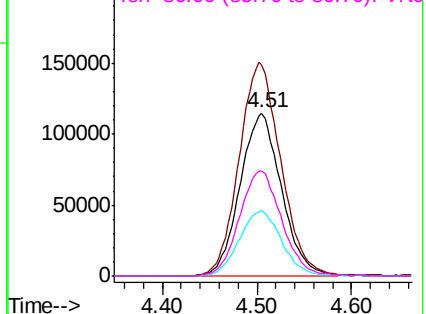
49 130.3 97.6 146.4

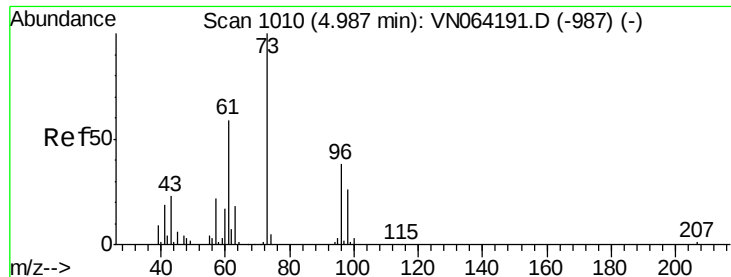
51 39.9 31.1 46.7

86 64.9 49.3 73.9



Abundance Ion 84.00 (83.70 to 84.70): VNC
Ion 49.00 (48.70 to 49.70): VNC
Ion 51.00 (50.70 to 51.70): VNC
Ion 86.00 (85.70 to 86.70): VNC

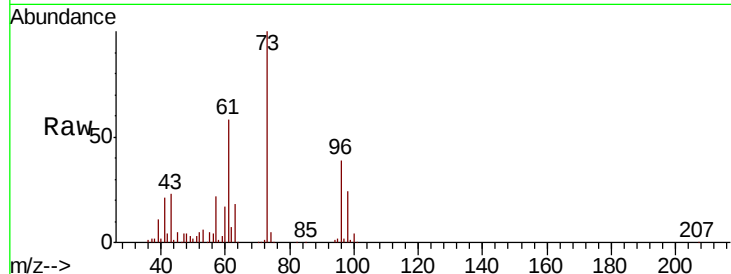




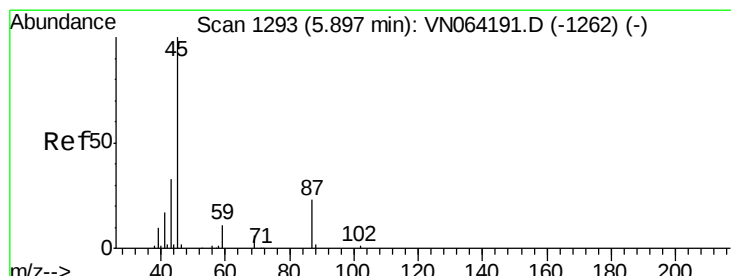
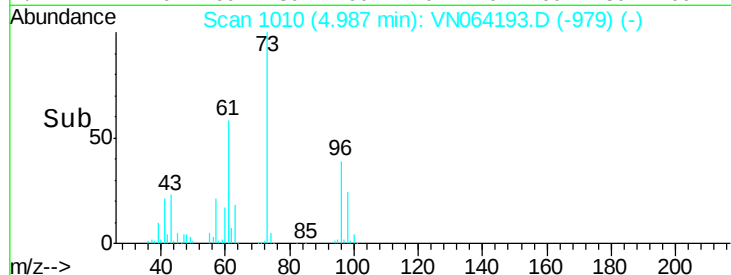
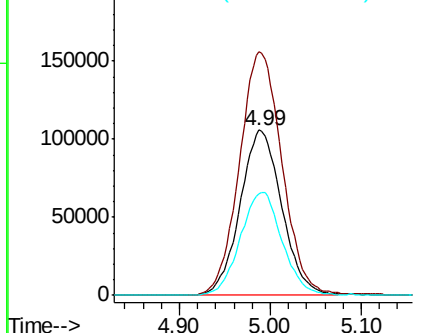
#19
trans-1,2-Dichloroethene
Concen: 106.143 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Instrument :
BNA_N
ClientSampleId :
VSTDIC100

Tot Ion: 96 Resp: 336447
Ion Ratio Lower Upper
96 100
61 147.4 125.5 188.3
98 61.3 54.7 82.1

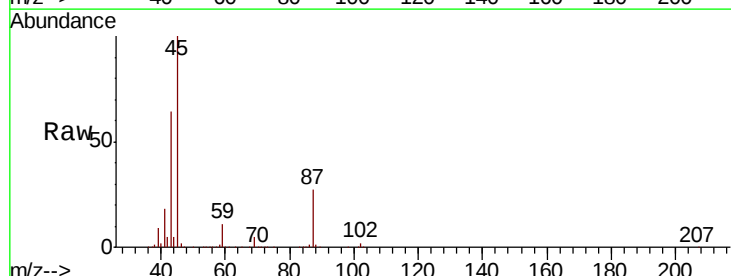


Abundance Ion 96.00 (95.70 to 96.70): VN064193.D (-979) (-)
Ion 61.00 (60.70 to 61.70): VN064193.D (-979) (-)
Ion 98.00 (97.70 to 98.70): VN064193.D (-979) (-)

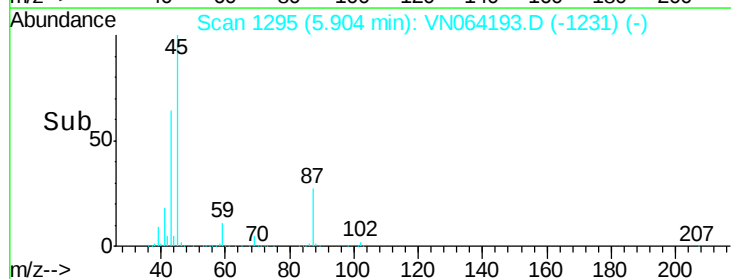
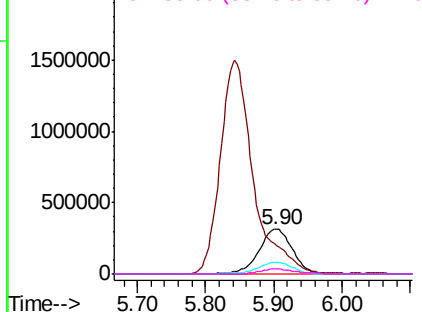


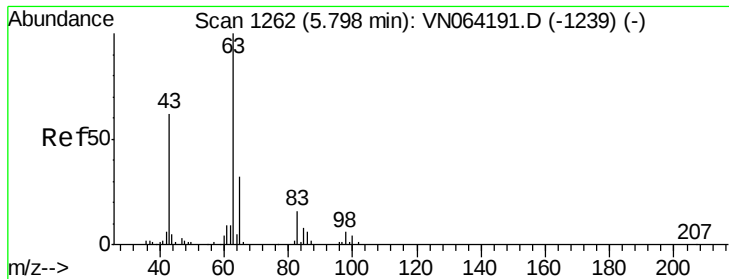
#20
Diisopropyl ether
Concen: 103.935 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion: 45 Resp: 1076228
Ion Ratio Lower Upper
45 100
43 63.7 55.1 82.7
87 26.6 19.4 29.2
59 11.1 8.7 13.1



Abundance Ion 45.00 (44.70 to 45.70): VN064193.D (-1231) (-)
Ion 43.00 (42.70 to 43.70): VN064193.D (-1231) (-)
Ion 87.00 (86.70 to 87.70): VN064193.D (-1231) (-)
Ion 59.00 (58.70 to 59.70): VN064193.D (-1231) (-)





#21

1,1-Dichloroethane

Concen: 103.469 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

VSTDIC100

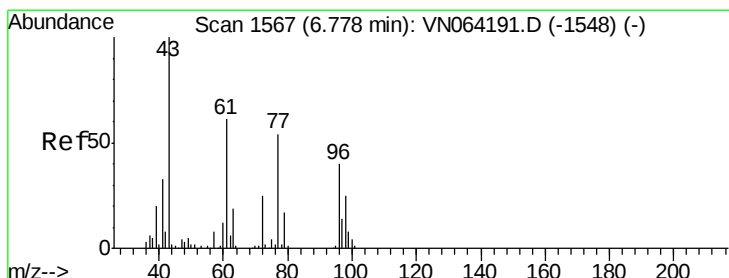
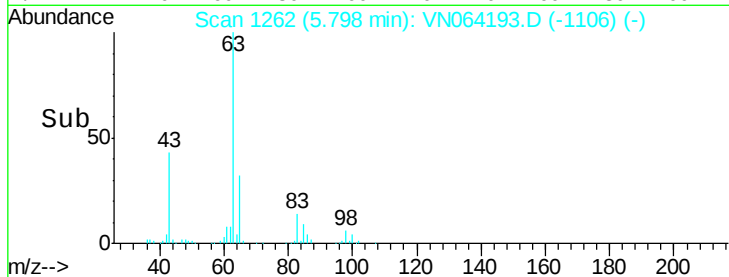
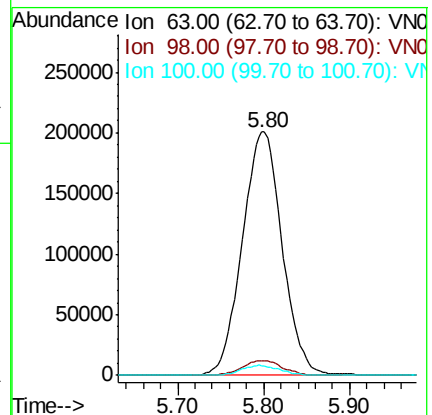
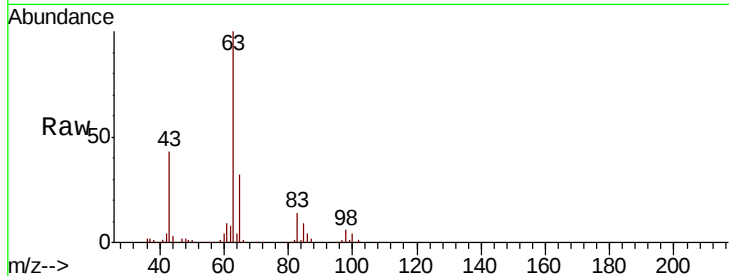
Tot Ion: 63 Resp: 646035

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.7

100 4.1 2.1 6.3



#22

cis-1,2-Dichloroethene

Concen: 106.871 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

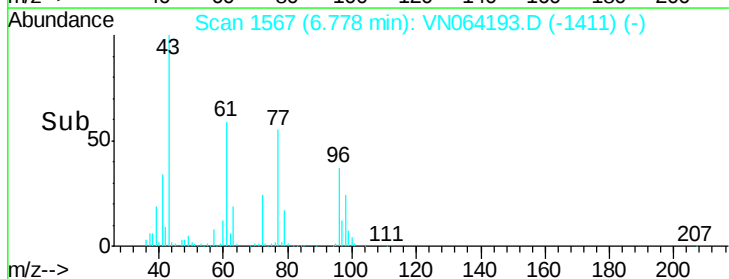
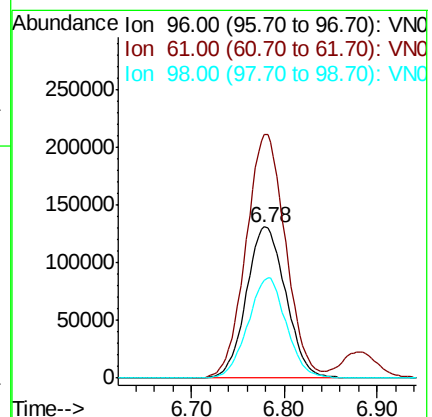
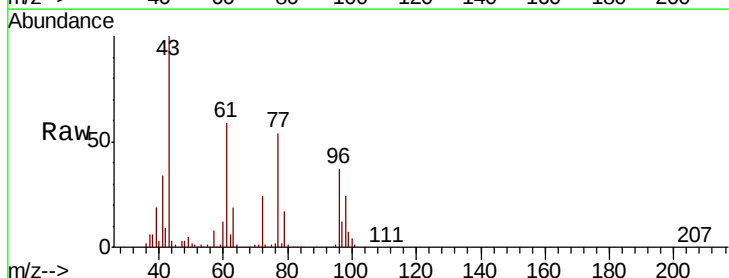
Tgt Ion: 96 Resp: 386659

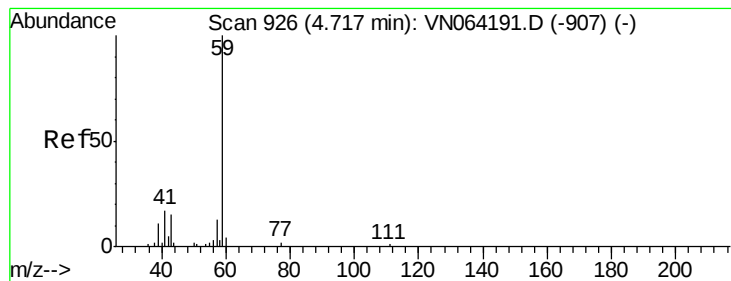
Ion Ratio Lower Upper

96 100

61 161.8 126.2 189.4

98 64.7 50.2 75.4





#23

tert-Butyl Alcohol

Concen: 527.585 ug/l

RT: 4.73 min Scan# 930

Delta R.T. 0.01 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

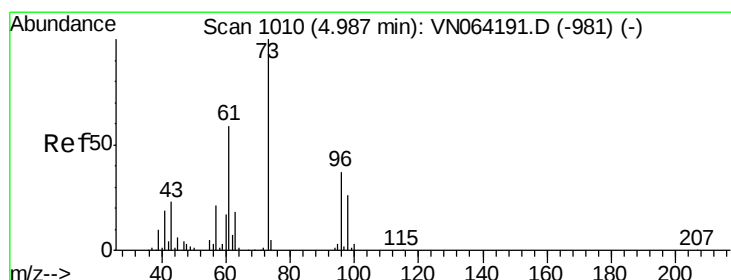
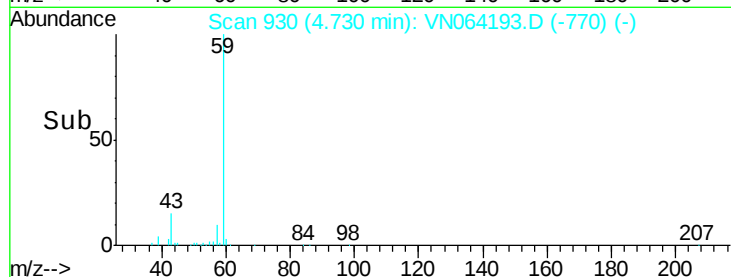
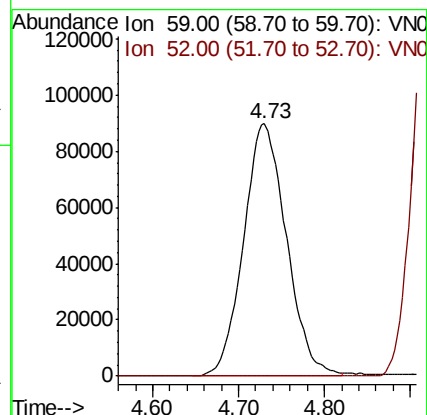
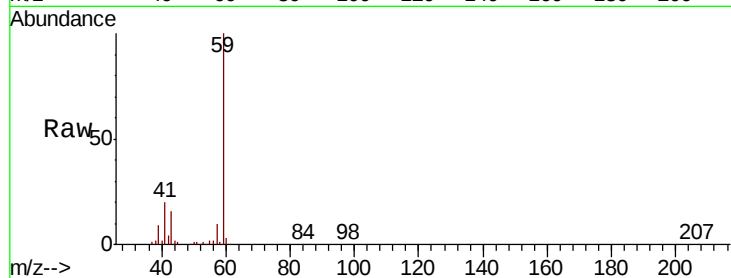
VSTDIC100

Tot Ion: 59 Resp: 311612

Ion Ratio Lower Upper

59 100

52 0.1 0.0 0.0#



#24

Methyl tert-Butyl Ether

Concen: 109.692 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN064193.D

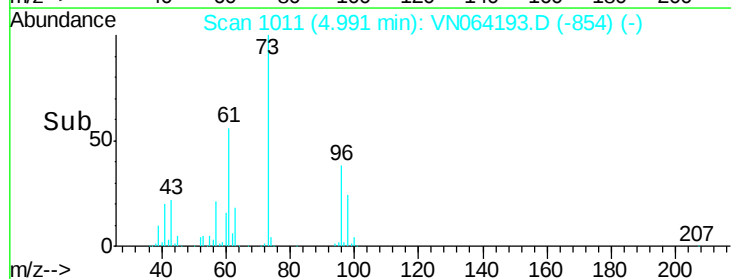
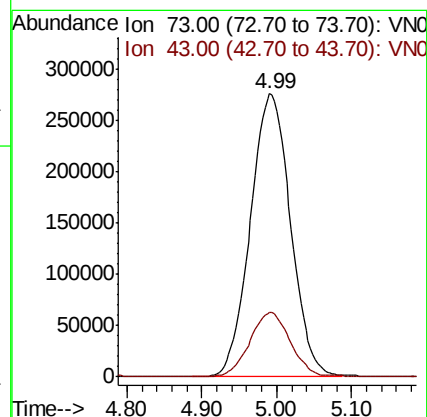
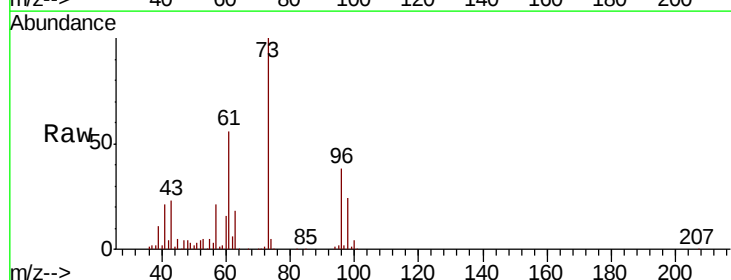
Acq: 20 Oct 2020 11:11

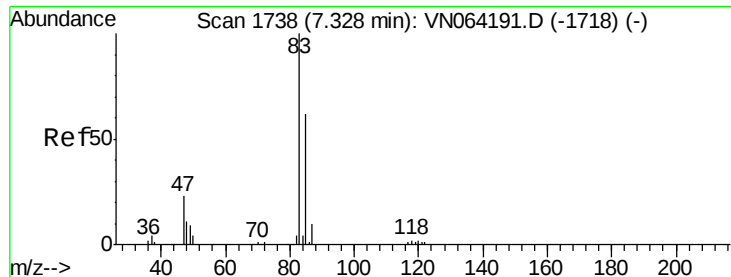
Tgt Ion: 73 Resp: 1030077

Ion Ratio Lower Upper

73 100

43 22.7 18.2 27.2





#25

Chloroform

Concen: 103.220 ug/l

RT: 7.33 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

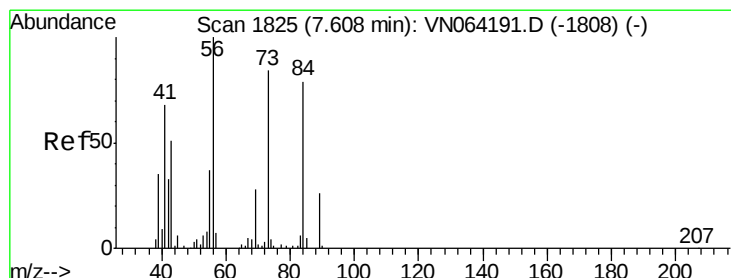
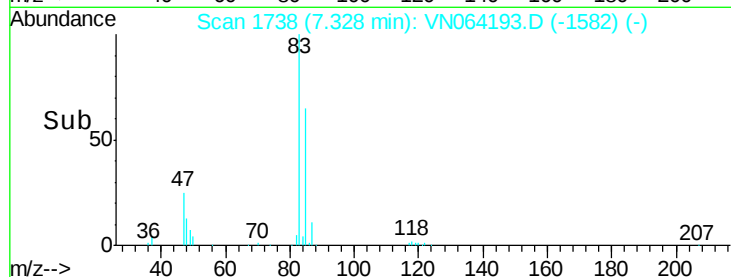
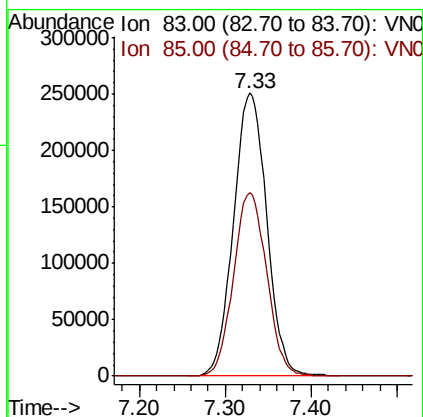
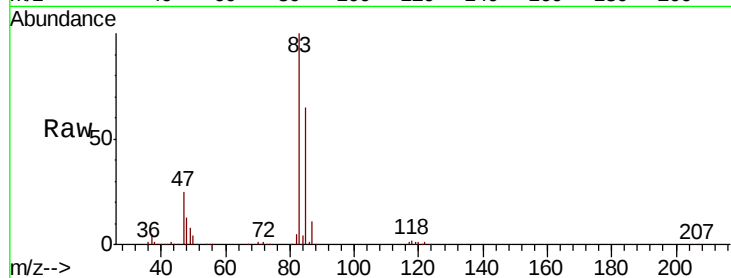
VSTDIC100

Tot Ion: 83 Resp: 674809

Ion Ratio Lower Upper

83 100

85 64.7 49.7 74.5



#26

Cyclohexane

Concen: 111.219 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

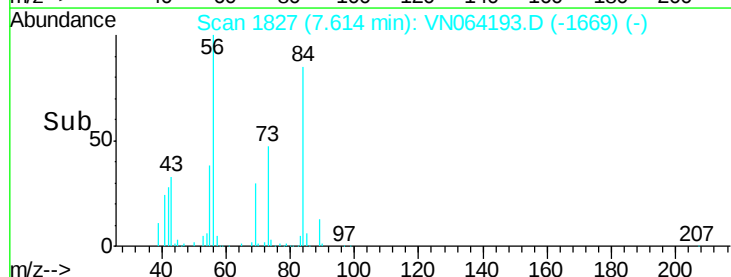
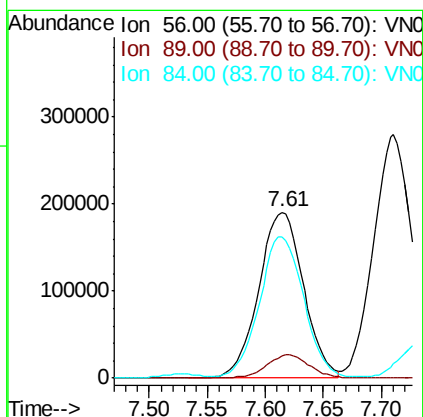
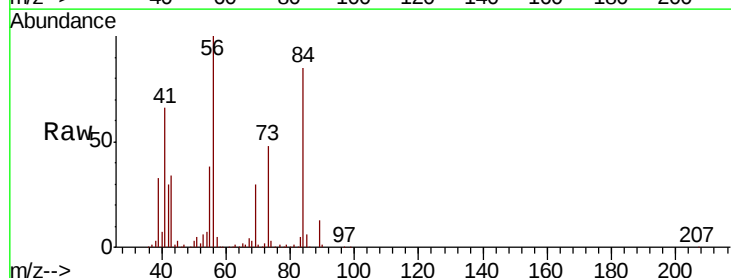
Tgt Ion: 56 Resp: 512755

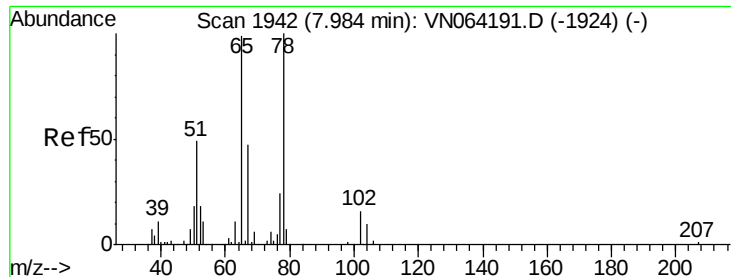
Ion Ratio Lower Upper

56 100

89 13.2 21.4 32.0#

84 84.6 65.8 98.6





#27

1,2-Dichloroethane-d4

Concen: 27.166 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

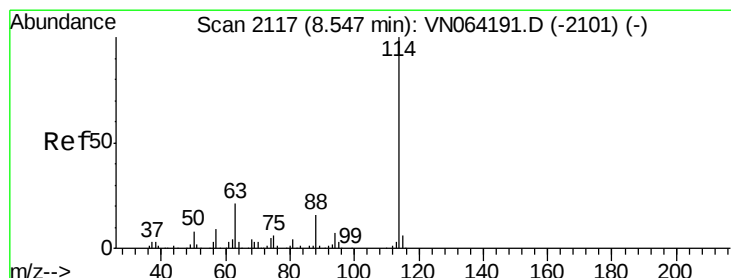
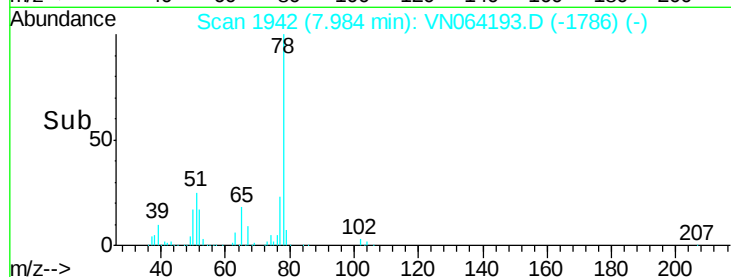
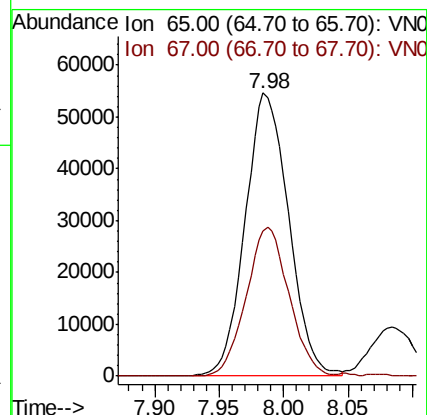
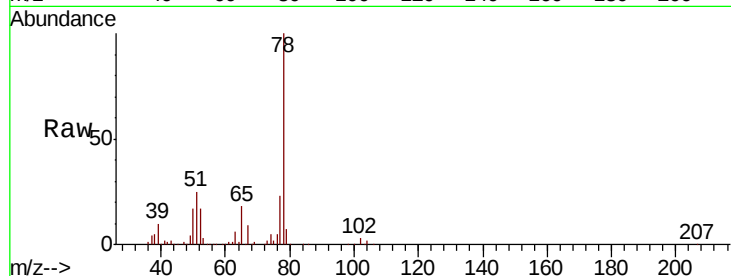
VSTDIC100

Tot Ion: 65 Resp: 128740

Ion Ratio Lower Upper

65 100

67 51.0 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: VN064193.D

Acq: 20 Oct 2020 11:11

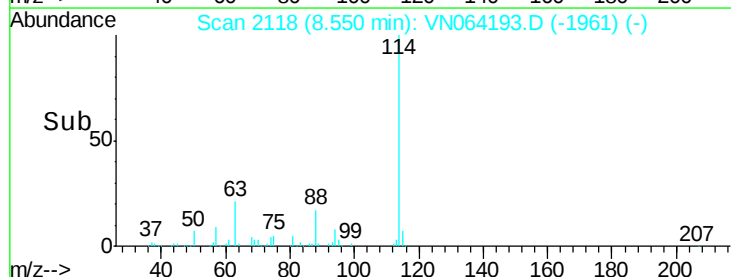
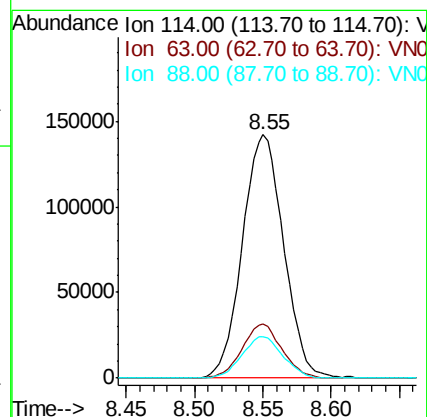
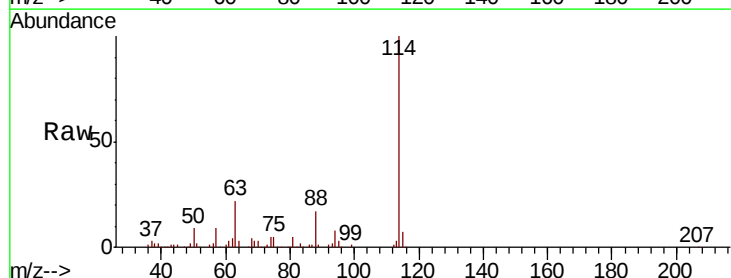
Tgt Ion: 114 Resp: 297991

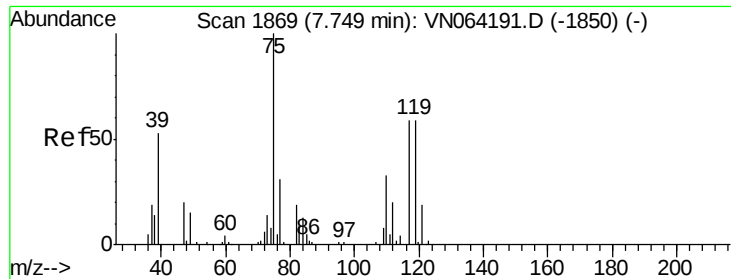
Ion Ratio Lower Upper

114 100

63 21.5 17.0 25.4

88 17.1 13.0 19.4

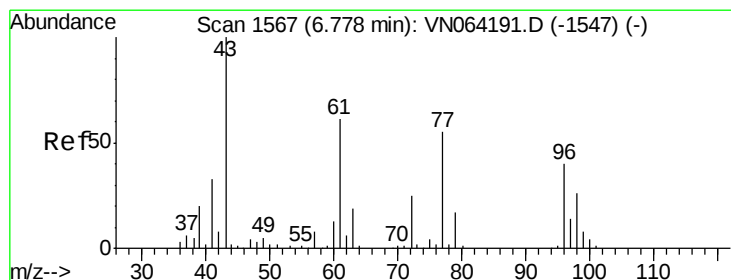
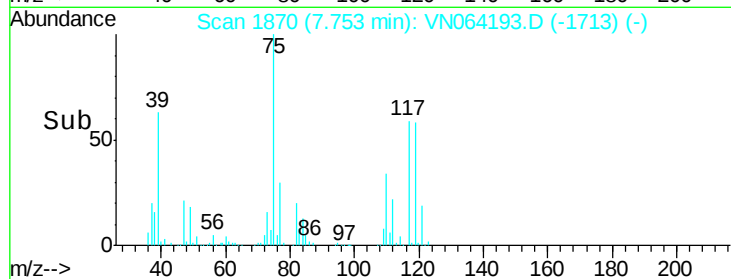
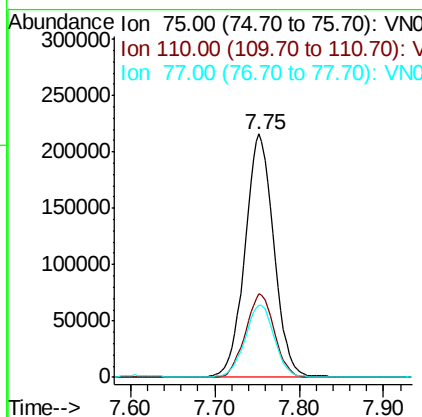
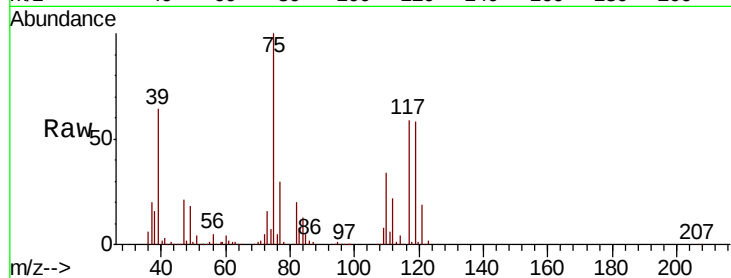




#29
 1,1-Dichloropropene
 Concen: 102.960 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

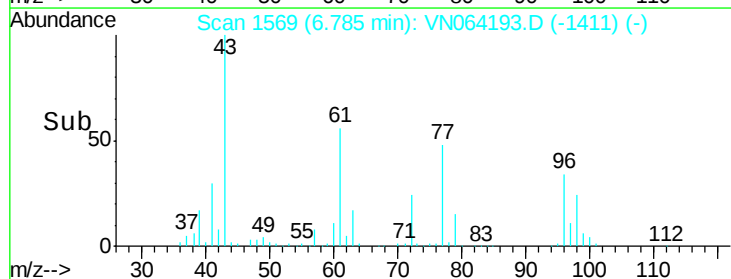
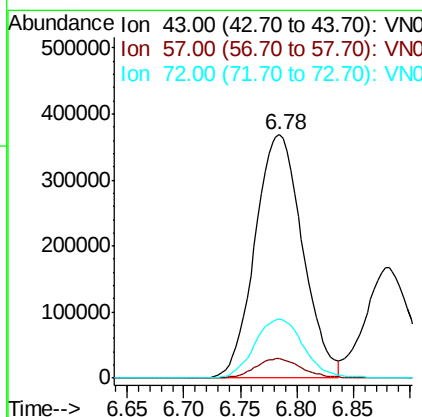
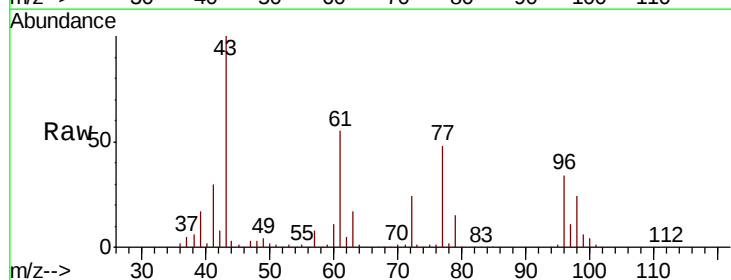
Instrument :
 BNA_N
 ClientSampleId :
 VSTDICC100

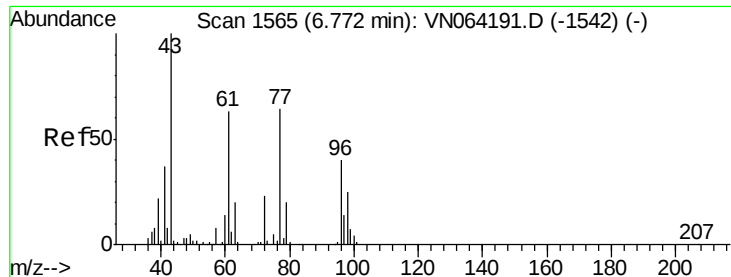
Tot Ion	75	Resp	513688
Ion Ratio	Lower	Upper	
75	100		
110	34.1	0.0	66.8
77	30.4	0.0	63.6



#30
 2-Butanone
 Concen: 453.210 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion	43	Resp	1071616
Ion Ratio	Lower	Upper	
43	100		
57	8.0	5.8	8.6
72	25.2	19.8	29.8





#31

2,2-Dichloropropane

Concen: 104.788 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

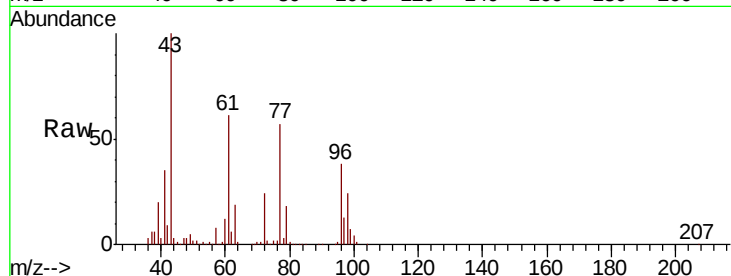
VSTDIC100

Tot Ion: 77 Resp: 629516

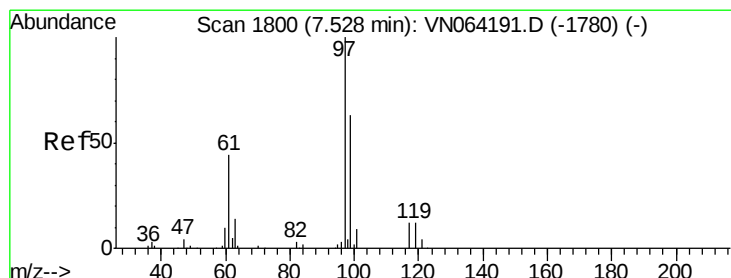
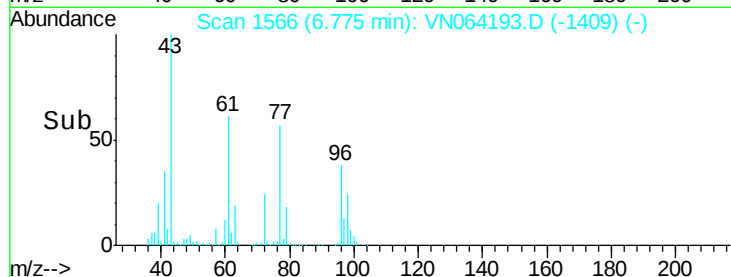
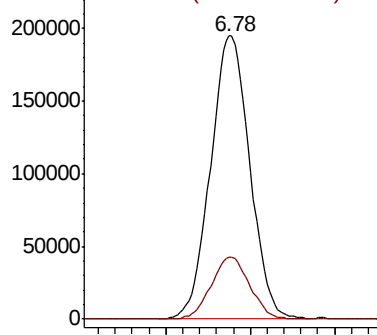
Ion Ratio Lower Upper

77 100

97 21.5 17.3 25.9



Abundance Ion 77.00 (76.70 to 77.70): VNO
Ion 97.00 (96.70 to 97.70): VNO



#32

1,1,1-Trichloroethane

Concen: 103.105 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

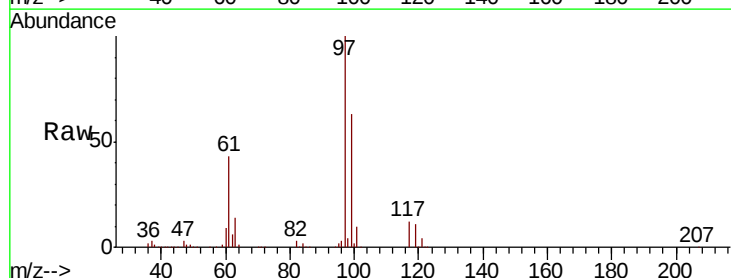
Tgt Ion: 97 Resp: 652148

Ion Ratio Lower Upper

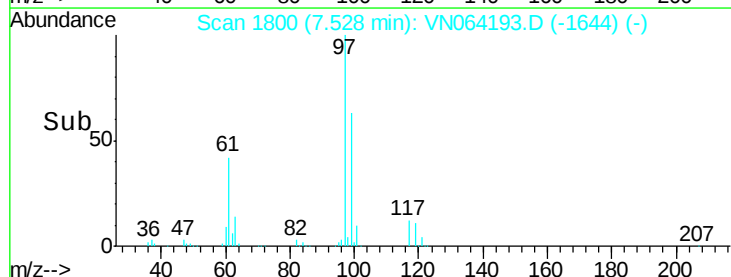
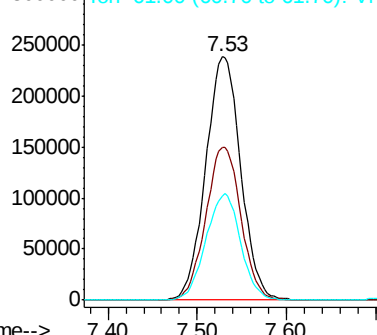
97 100

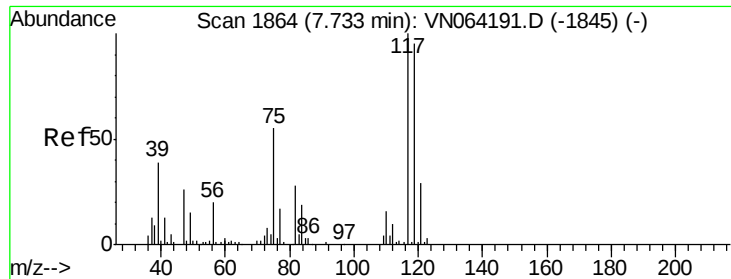
99 63.0 51.3 76.9

61 43.3 34.8 52.2



Abundance Ion 97.00 (96.70 to 97.70): VNO
Ion 99.00 (98.70 to 99.70): VNO
Ion 61.00 (60.70 to 61.70): VNO

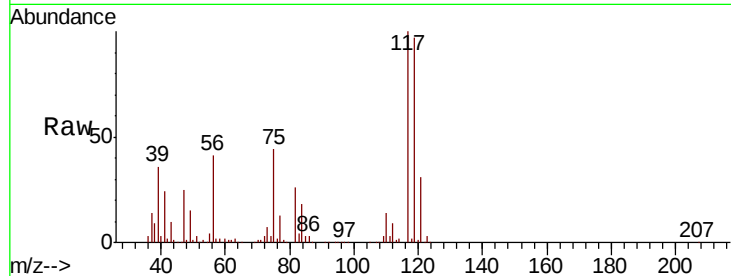




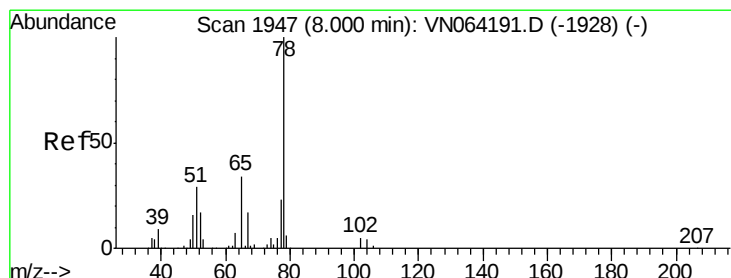
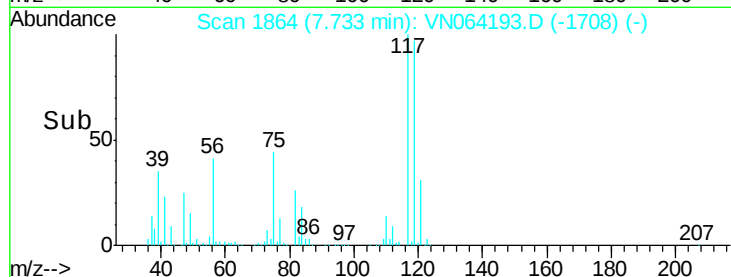
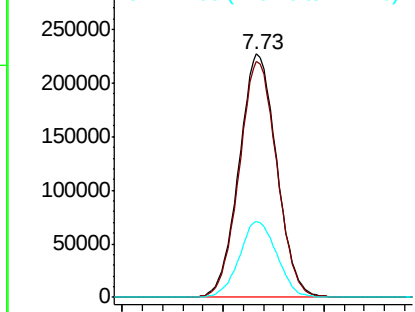
#33
Carbon Tetrachloride
Concen: 104.883 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Instrument :
BNA_N
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 587176
Ion Ratio Lower Upper
117 100
119 97.0 76.0 114.0
121 31.2 23.0 34.6

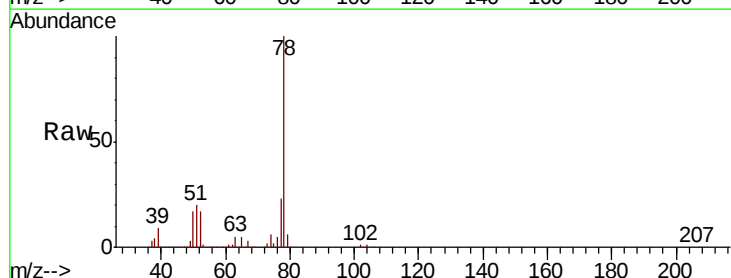


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

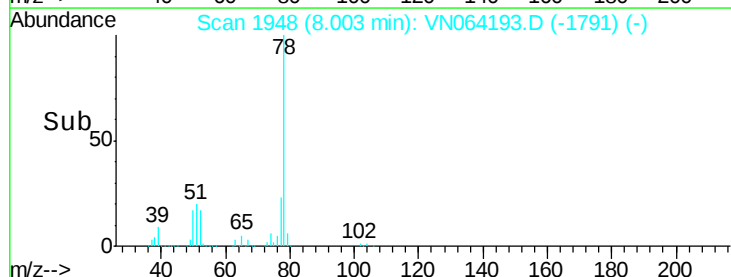
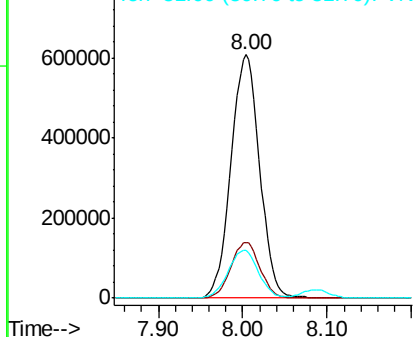


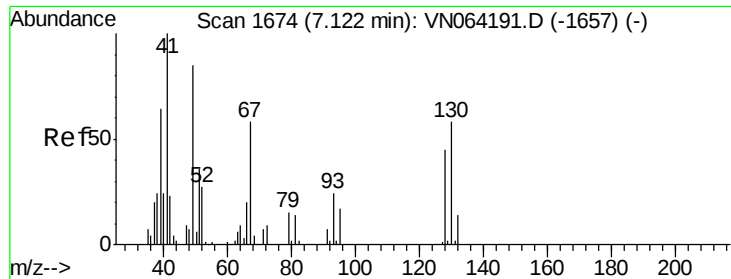
#34
Benzene
Concen: 102.607 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion: 78 Resp: 1441264
Ion Ratio Lower Upper
78 100
77 23.0 18.4 27.6
51 19.7 23.0 34.6#



Abundance Ion 78.10 (77.80 to 78.80): VNO
Ion 77.00 (76.70 to 77.70): VNO
Ion 51.00 (50.70 to 51.70): VNO

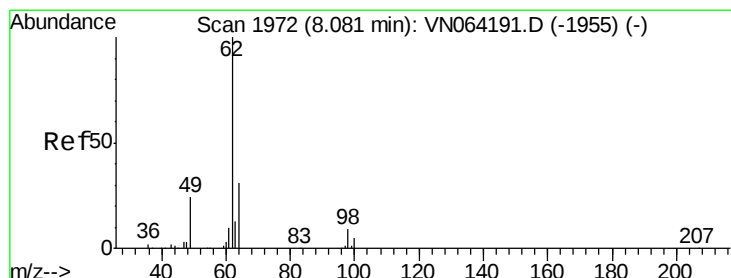
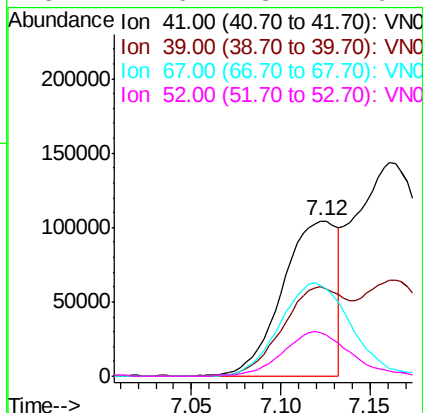
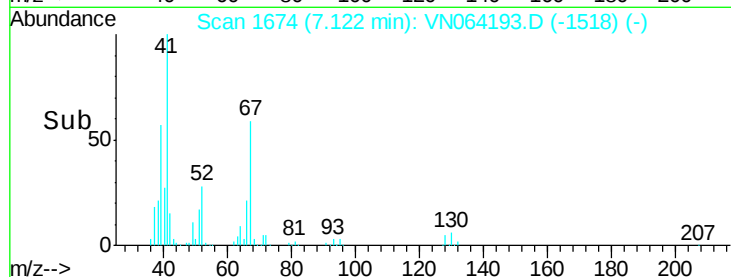
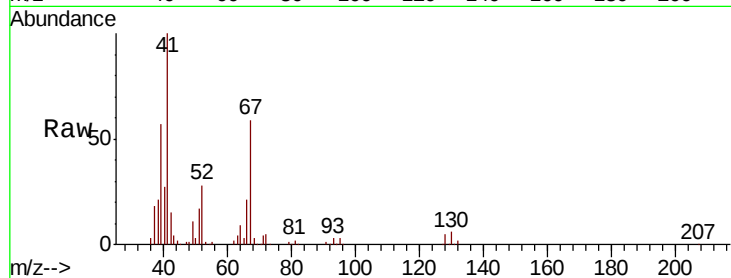




#35
Methacrylonitrile
Concen: 96.034 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

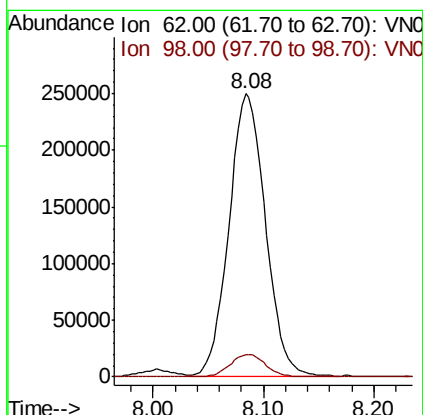
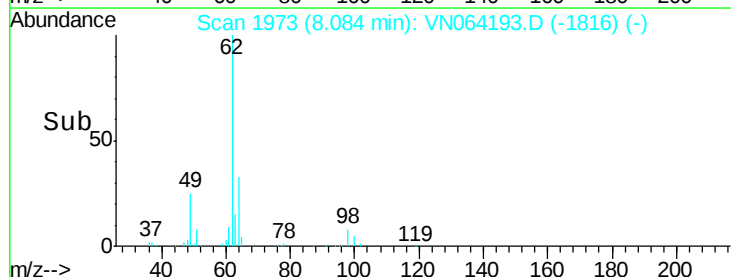
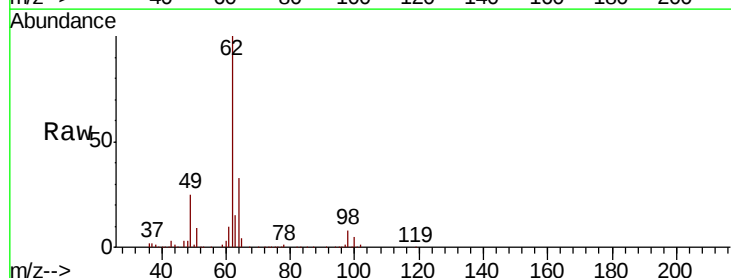
Instrument :
BNA_N
ClientSampleId :
VSTDIC100

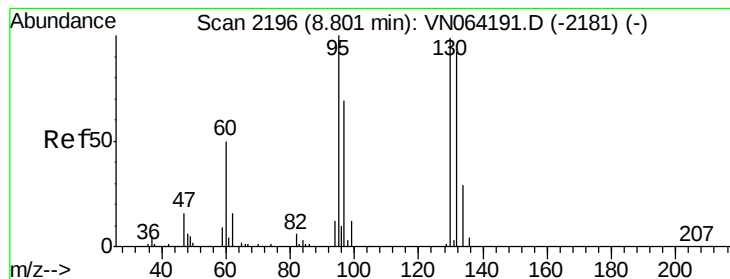
Tot Ion:	41	Resp:	223112
Ion	Ratio	Lower	Upper
41	100		
39	57.2	32.1	96.3
67	59.0	28.9	86.8
52	27.6	13.4	40.2



#36
1,2-Dichloroethane
Concen: 93.629 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion:	62	Resp:	571445
Ion	Ratio	Lower	Upper
62	100		
98	7.8	6.3	9.5





#37

Trichloroethene

Concen: 105.053 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

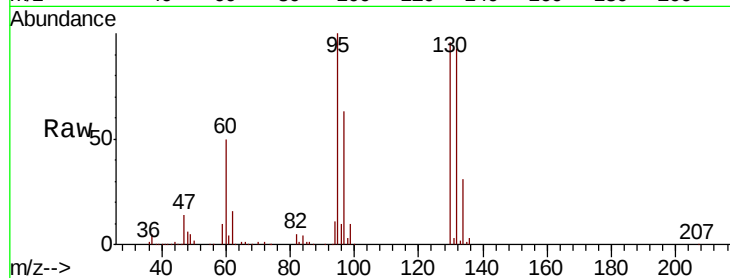
VSTDIC100

Tot Ion:130 Resp: 392627

Ion Ratio Lower Upper

130 100

95 103.7 81.0 121.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.80

200000

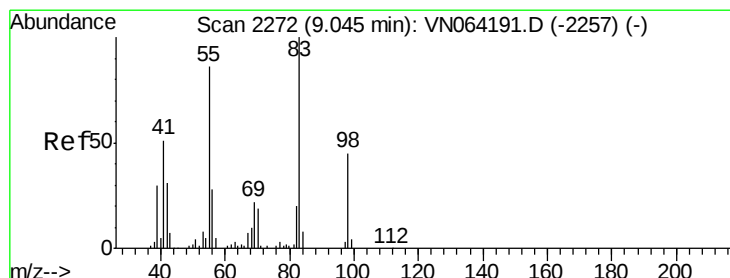
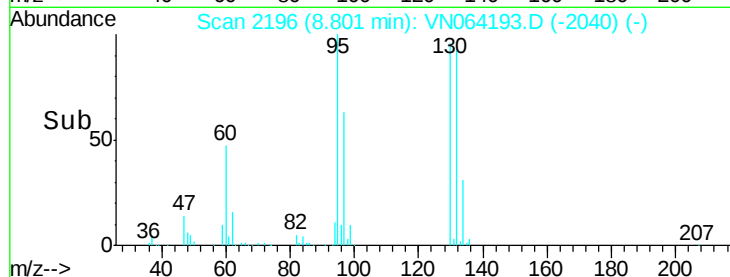
150000

100000

50000

0

Time-->



#38

Methylcyclohexane

Concen: 112.524 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

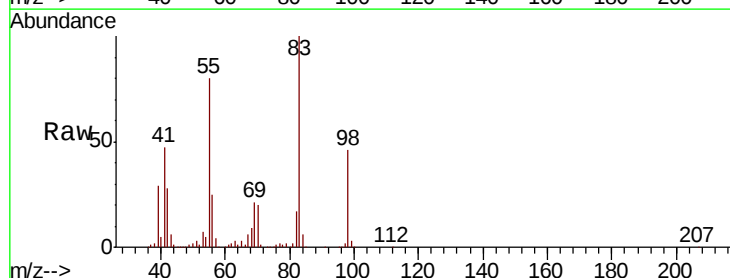
Tgt Ion: 83 Resp: 484466

Ion Ratio Lower Upper

83 100

55 79.0 40.3 120.9

98 44.7 22.4 67.0



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.05

300000

250000

200000

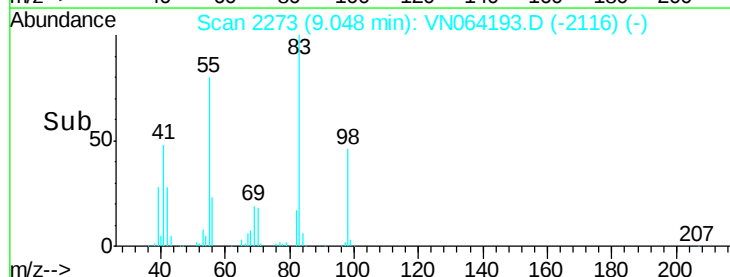
150000

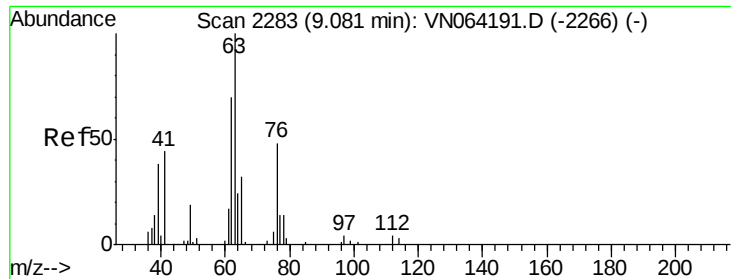
100000

50000

0

Time-->





#39

1,2-Dichloropropane

Concen: 100.158 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

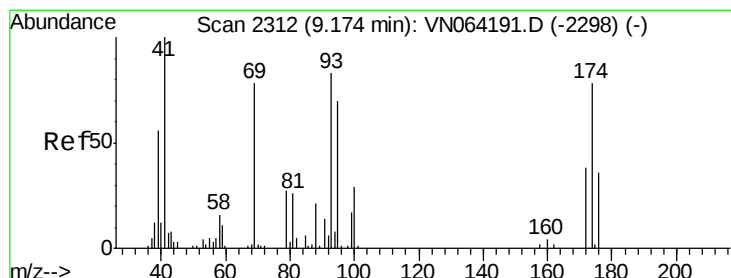
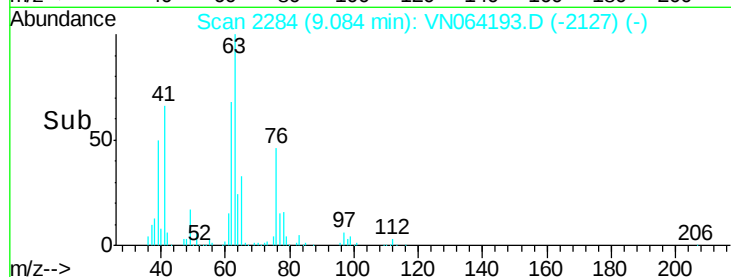
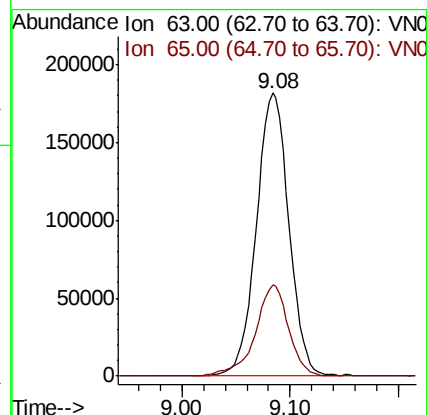
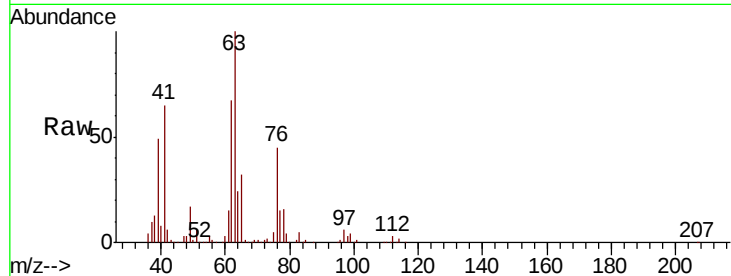
VSTDIC100

Tot Ion: 63 Resp: 380410

Ion Ratio Lower Upper

63 100

65 32.2 26.5 39.7



#40

Dibromomethane

Concen: 98.050 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

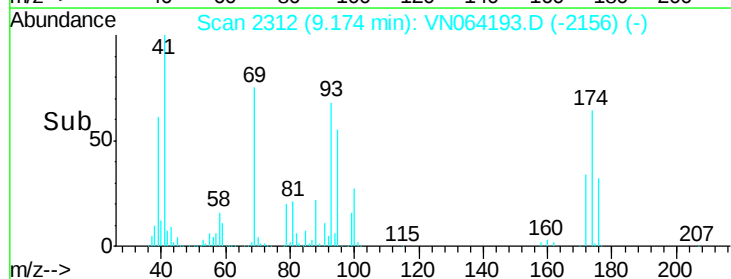
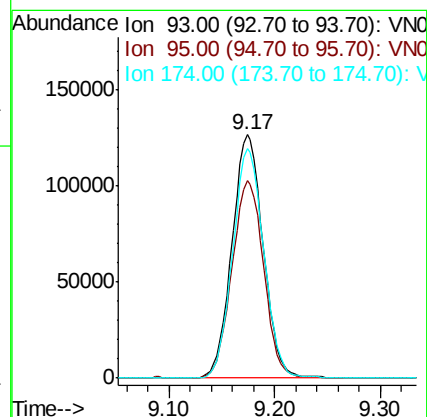
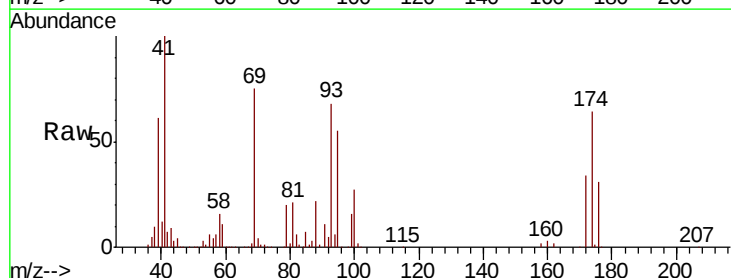
Tgt Ion: 93 Resp: 259111

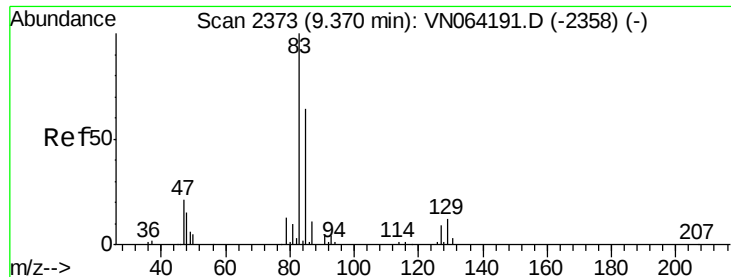
Ion Ratio Lower Upper

93 100

95 82.0 0.0 169.2

174 93.9 0.0 187.4

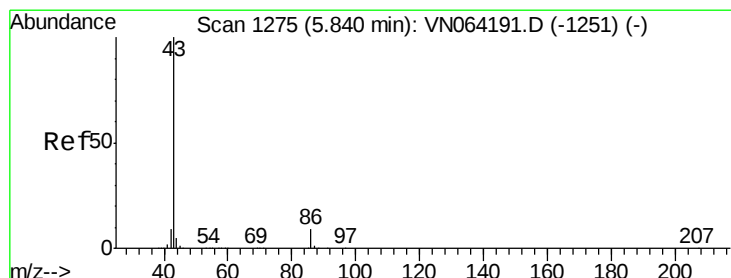
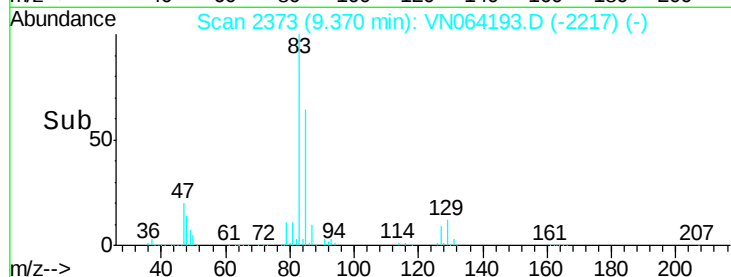
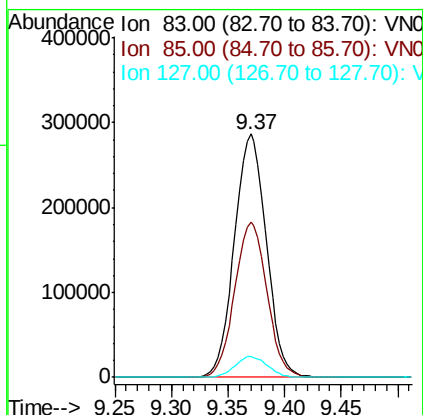
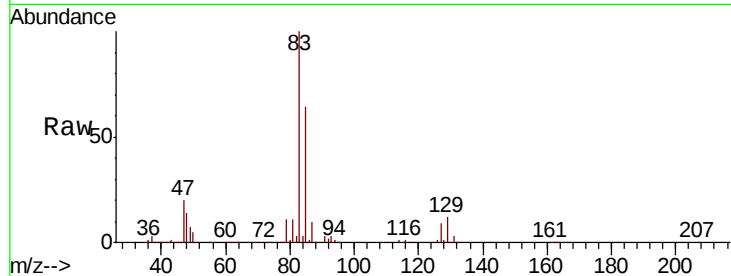




#41
 Bromodichloromethane
 Concen: 101.507 ug/l
 RT: 9.37 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

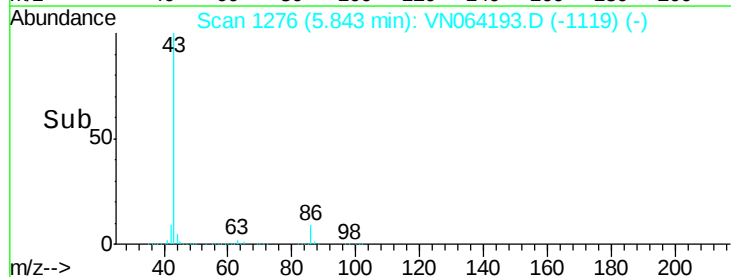
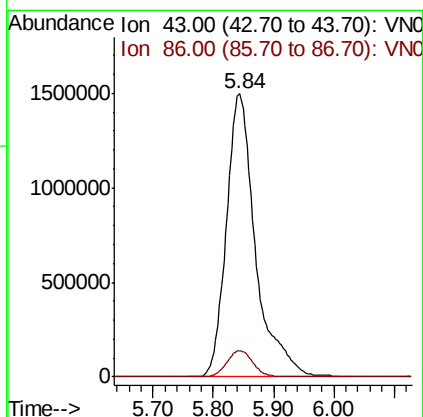
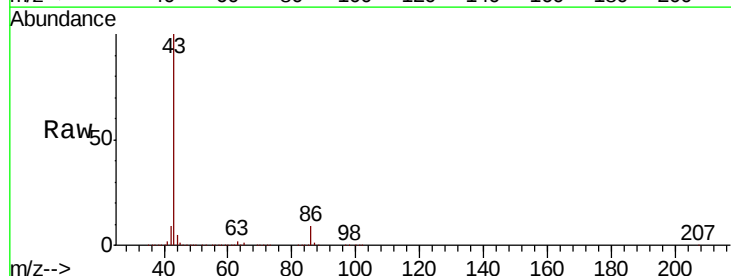
Instrument :
 BNA_N
 ClientSampleId :
 VSTDIC100

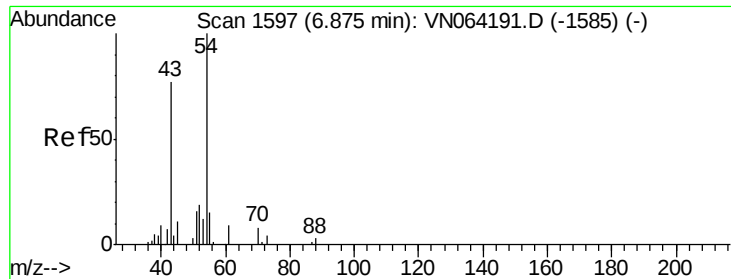
Tot Ion	83	Resp	565966
Ion Ratio	100		
85	63.8	51.5	77.3
127	8.7	6.8	10.2



#42
 Vinyl Acetate
 Concen: 500.987 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion	43	Resp	5038350
Ion Ratio	100		
86	8.3	6.7	10.1





#43

Ethyl Acetate

Concen: 90.923 ug/l

RT: 6.88 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

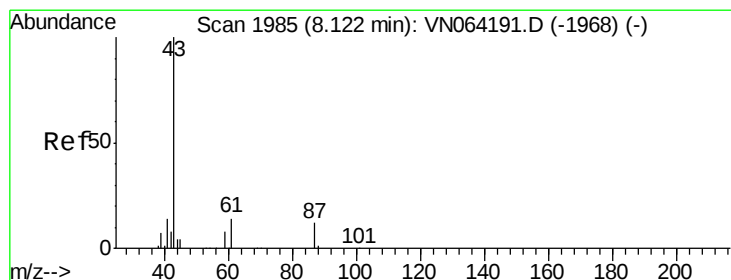
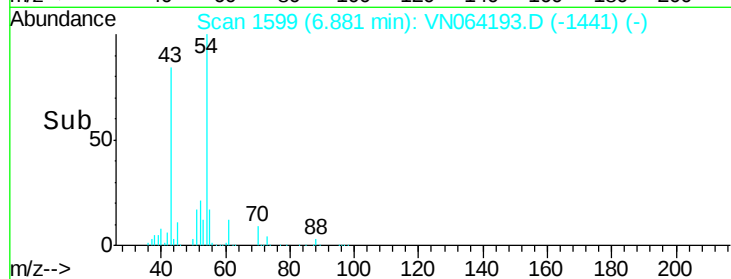
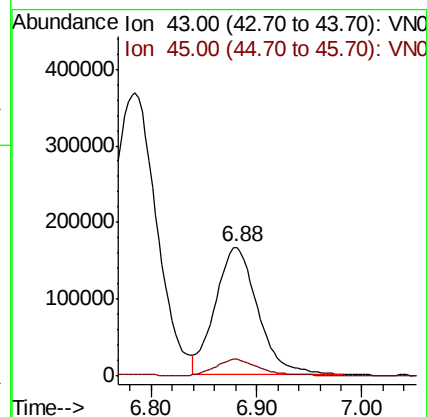
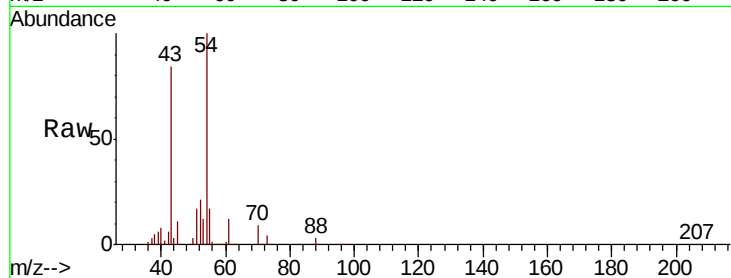
VSTDIC100

Tot Ion: 43 Resp: 465782

Ion Ratio Lower Upper

43 100

45 13.8 9.8 14.8



#44

Isopropyl Acetate

Concen: 101.633 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064193.D

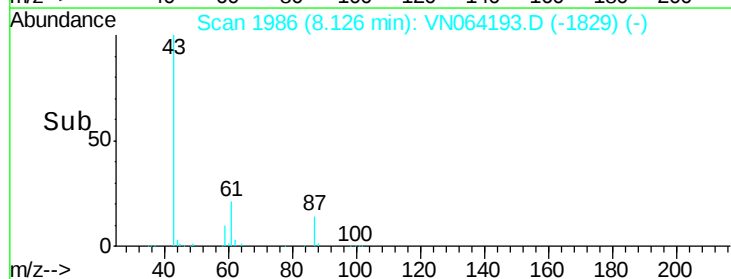
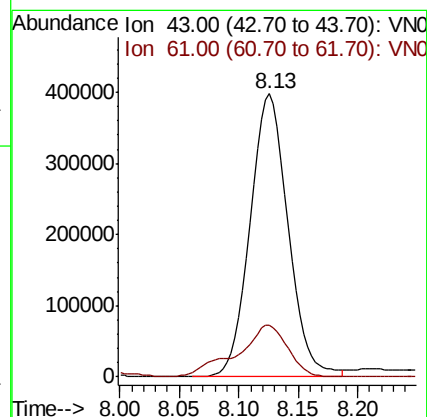
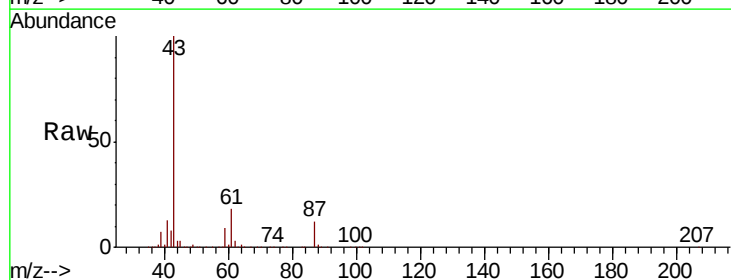
Acq: 20 Oct 2020 11:11

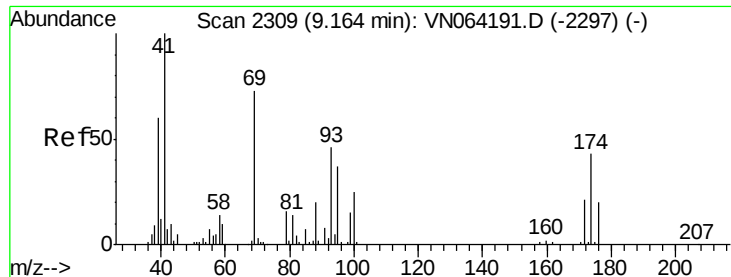
Tgt Ion: 43 Resp: 878568

Ion Ratio Lower Upper

43 100

61 18.5 18.7 28.1#

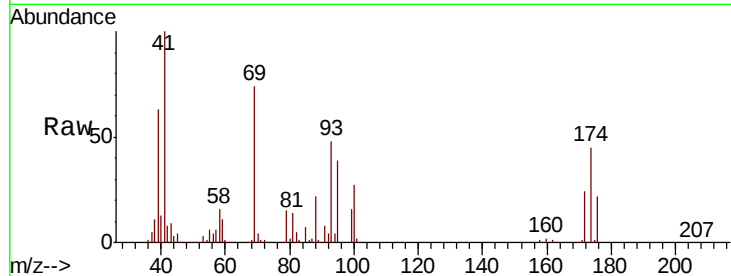




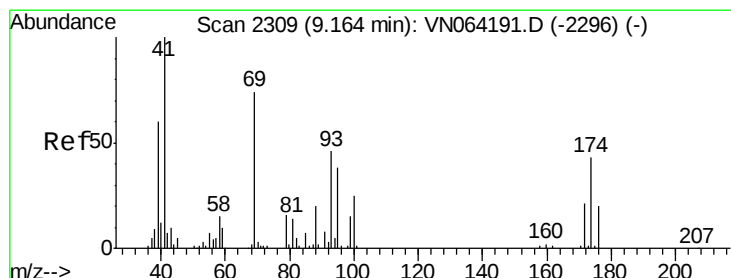
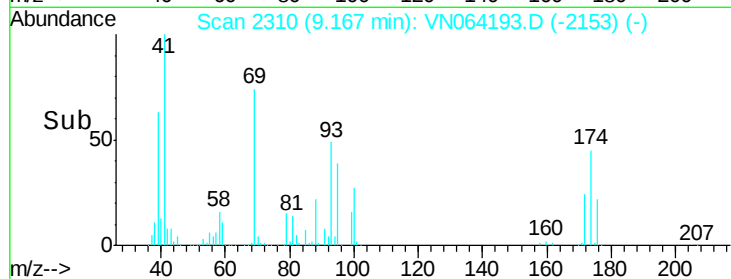
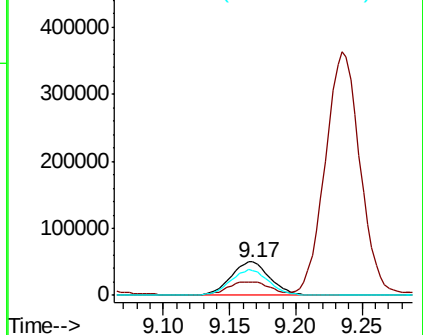
#45
 1,4-Dioxane
 Concen: 1905.024 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Instrument :
 BNA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 88 Resp: 103031
 Ion Ratio Lower Upper
 88 100
 43 39.0 37.0 55.4
 58 75.0 62.4 93.6

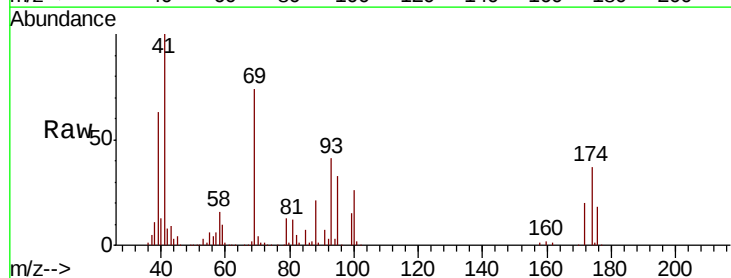


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

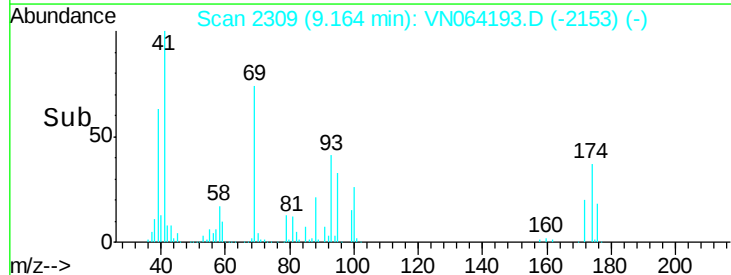
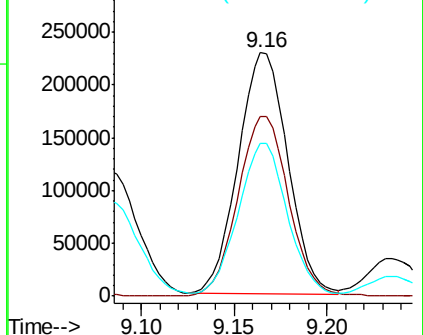


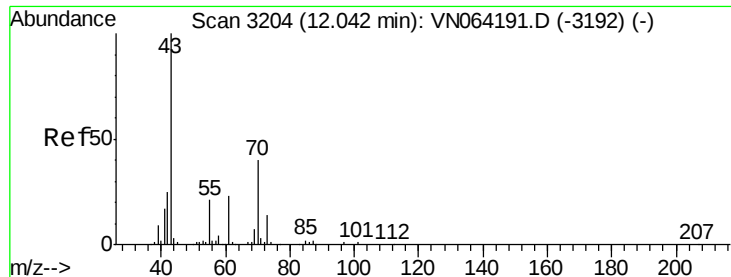
#46
 Methyl methacrylate
 Concen: 99.776 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion: 41 Resp: 425575
 Ion Ratio Lower Upper
 41 100
 69 74.3 36.8 110.4
 39 62.3 30.4 91.2



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

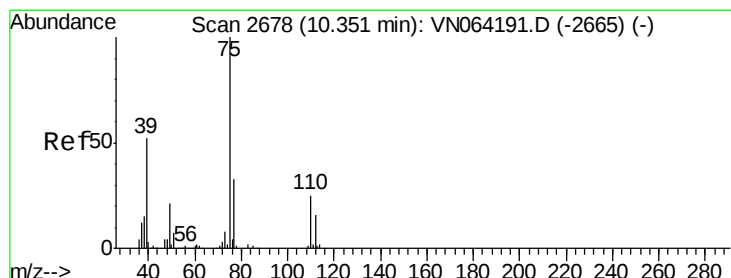
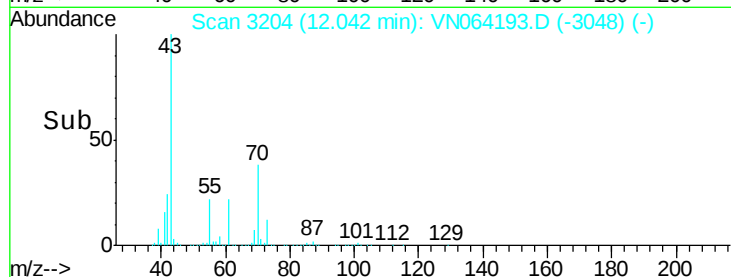
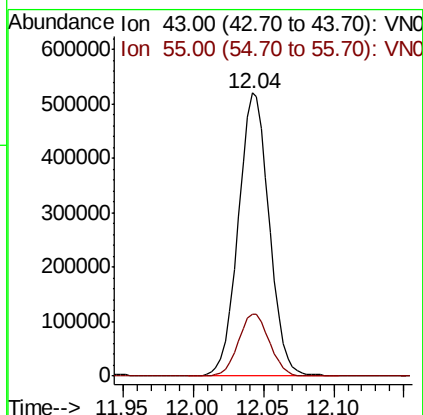
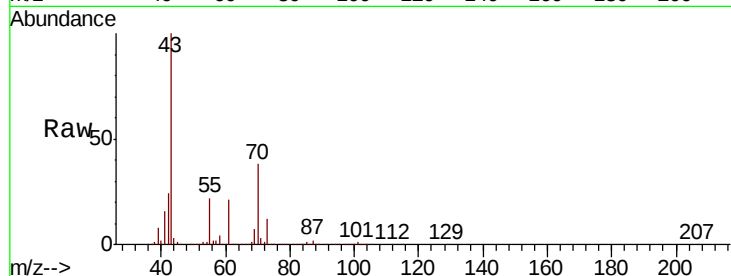




#47
n-amvl Acetate
Concen: 103.212 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

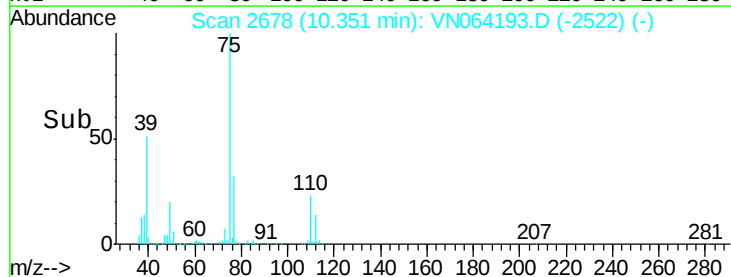
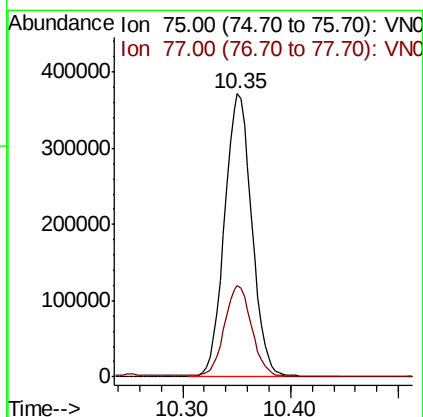
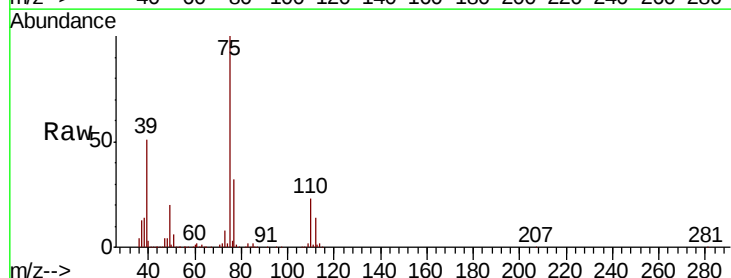
Instrument :
BNA_N
ClientSampleId :
VSTDICC100

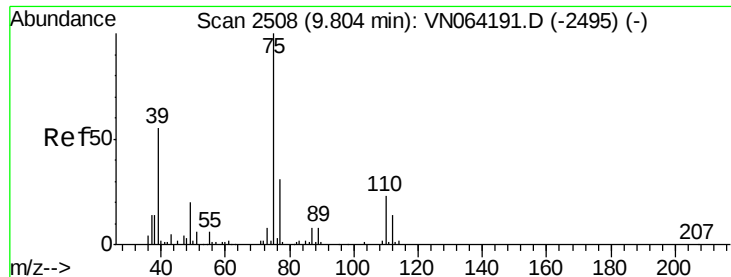
Tot Ion: 43 Resp: 794986
Ion Ratio Lower Upper
43 100
55 22.1 17.6 26.4



#48
t-1,3-Dichloropropene
Concen: 108.071 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion: 75 Resp: 655500
Ion Ratio Lower Upper
75 100
77 32.2 27.4 41.2

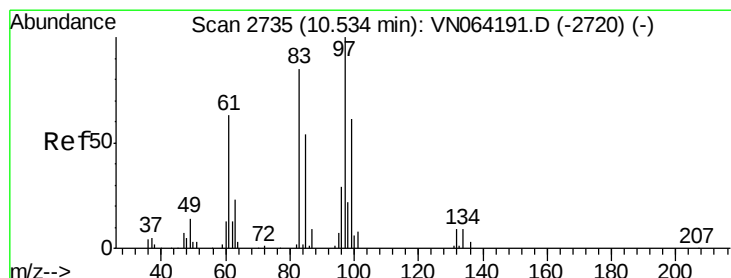
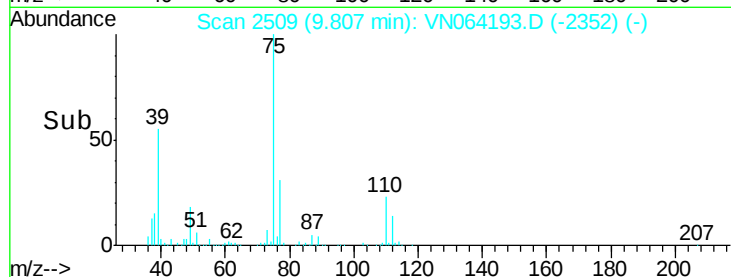
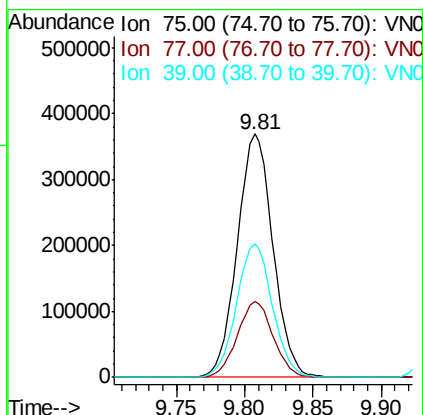
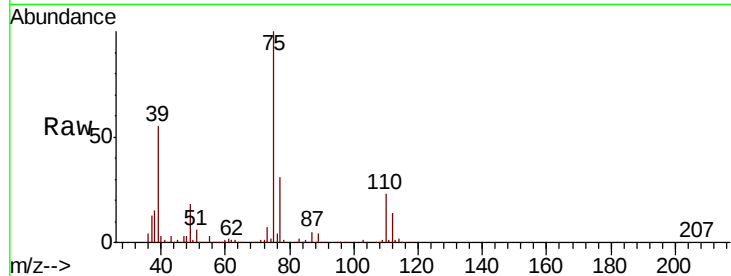




#49
 cis-1,3-Dichloropropene
 Concen: 106.365 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

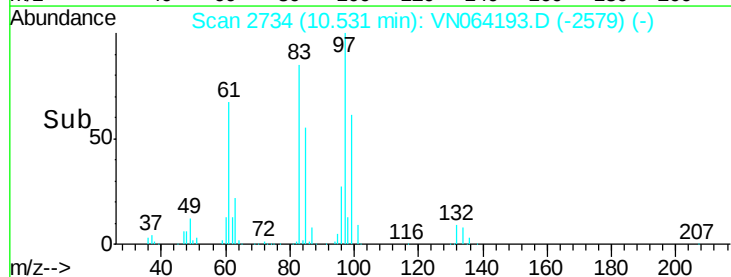
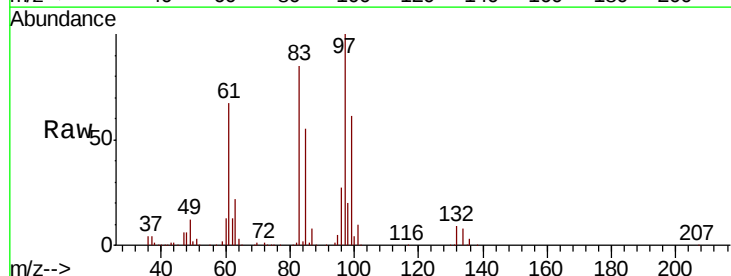
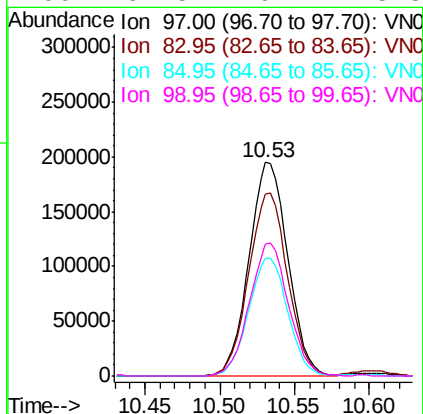
Instrument :
 BNA_N
 ClientSampleId :
 VSTDIC100

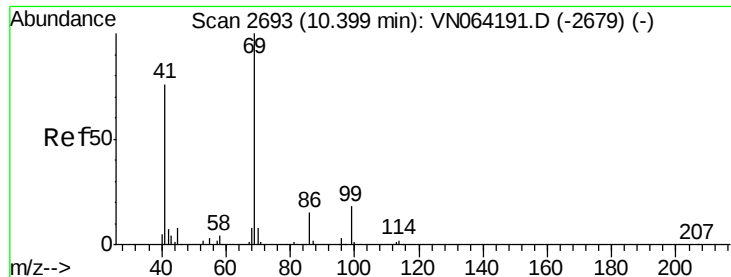
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.5	36.7
39	54.7	43.8	65.8



#50
 1,1,2-Trichloroethane
 Concen: 98.751 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.4	67.7	101.5
85	55.3	43.2	64.8
99	61.5	49.2	73.8





#51

Ethyl methacrylate

Concen: 106.694 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

VSTDIC100

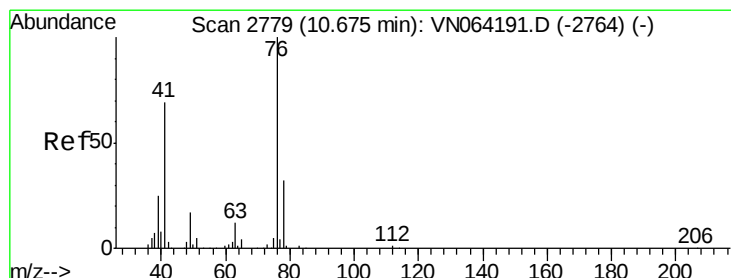
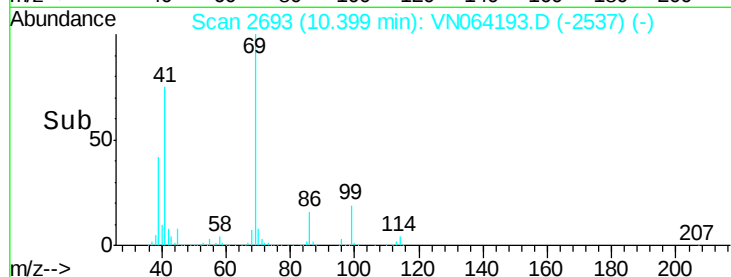
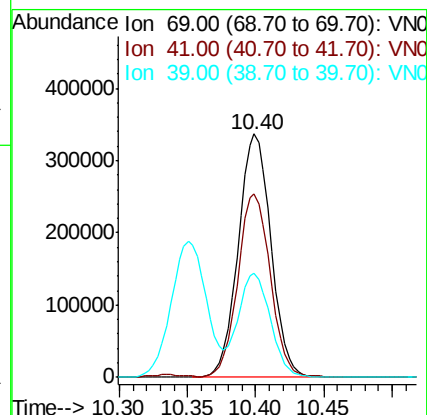
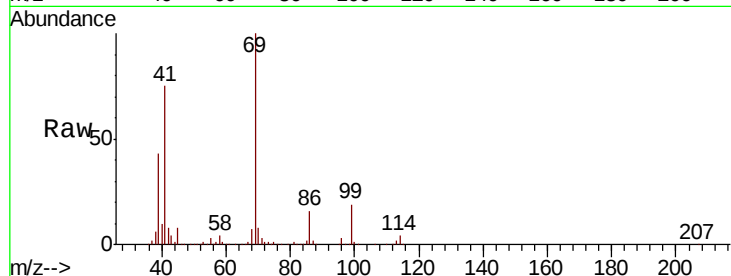
Tot Ion: 69 Resp: 561002

Ion Ratio Lower Upper

69 100

41 75.0 38.0 114.1

39 42.4 21.4 64.3



#52

1,3-Dichloropropane

Concen: 100.147 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN064193.D

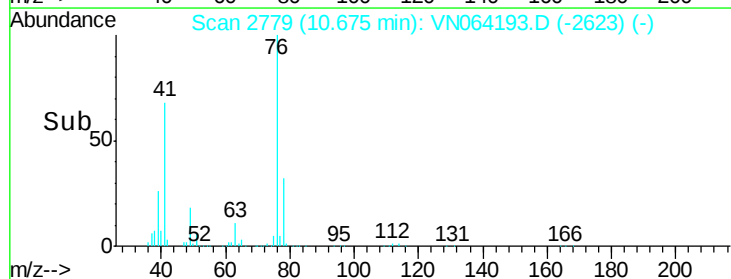
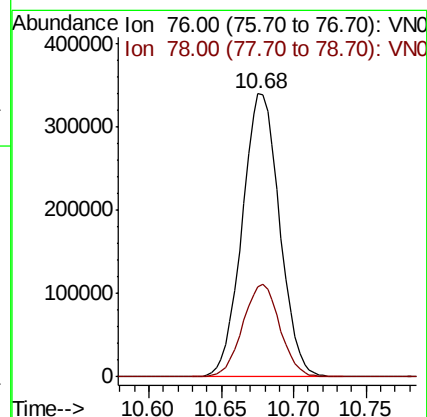
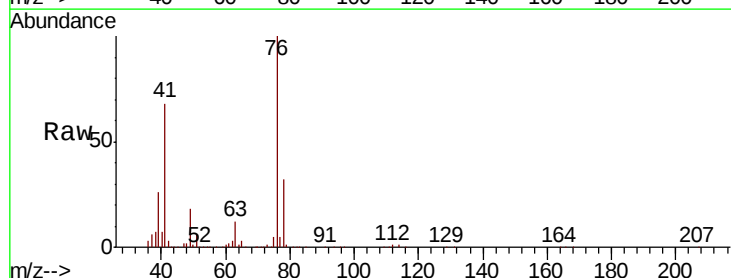
Acq: 20 Oct 2020 11:11

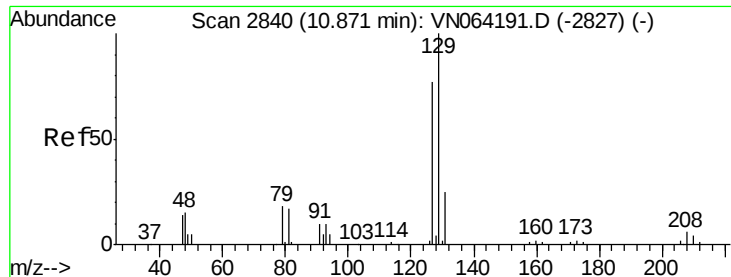
Tgt Ion: 76 Resp: 612233

Ion Ratio Lower Upper

76 100

78 32.6 0.0 64.4

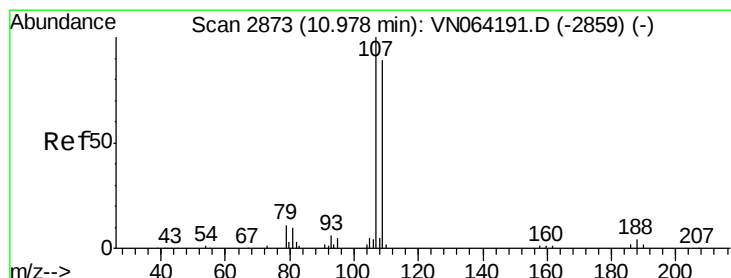
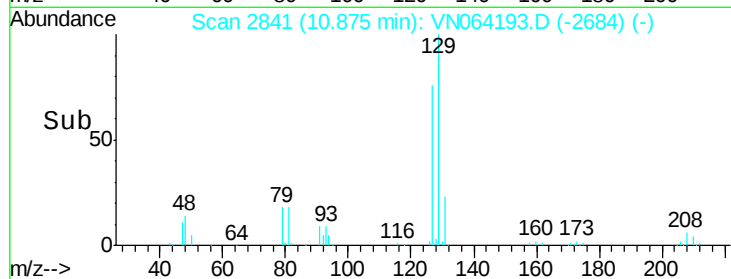
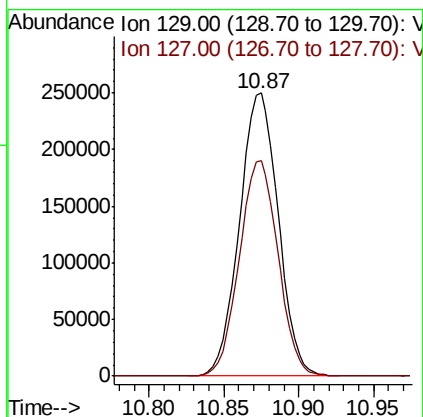
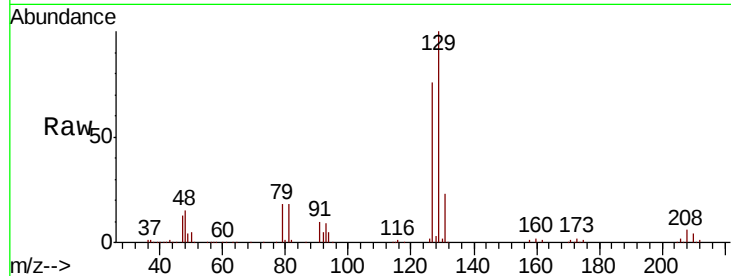




#53
 Dibromochloromethane
 Concen: 108.949 ug/l
 RT: 10.87 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

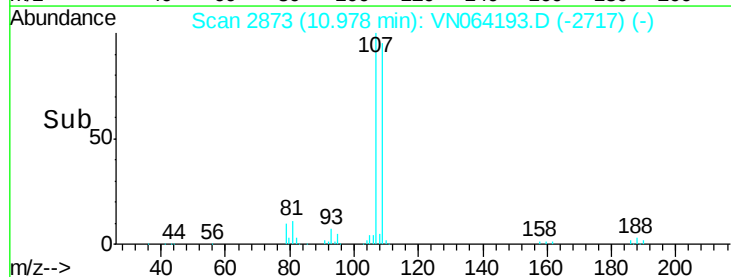
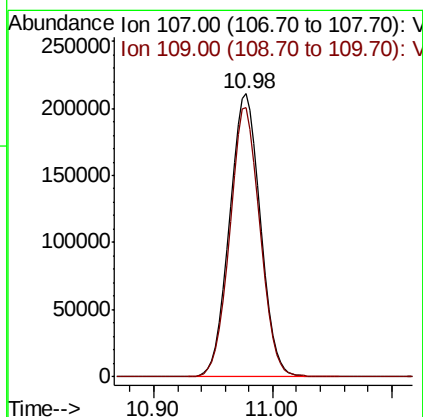
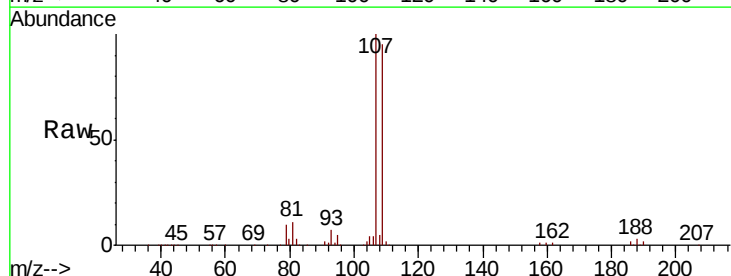
Instrument :
 BNA_N
 ClientSampleId :
 VSTDIC100

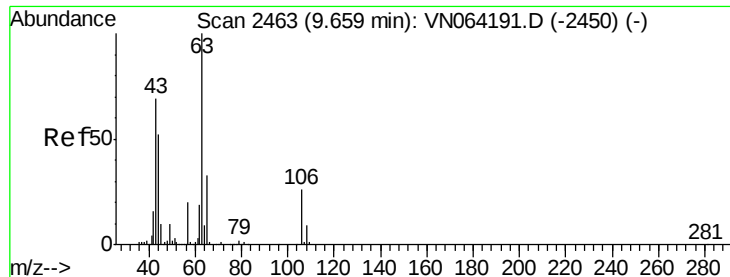
Tot Ion:129 Resp: 451789
 Ion Ratio Lower Upper
 129 100
 127 76.1 39.0 117.0



#54
 1,2-Dibromoethane
 Concen: 101.547 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion:107 Resp: 379325
 Ion Ratio Lower Upper
 107 100
 109 93.0 71.8 107.8





#55

2-Chloroethyl vinyl ether

Concen: 519.989 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

VSTDICC100

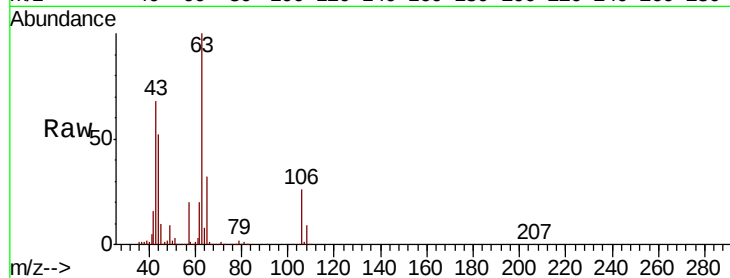
Tot Ion: 63 Resp: 1467589

Ion Ratio Lower Upper

63 100

65 32.1 25.9 38.9

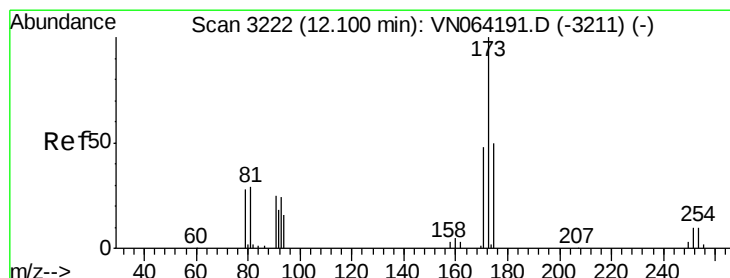
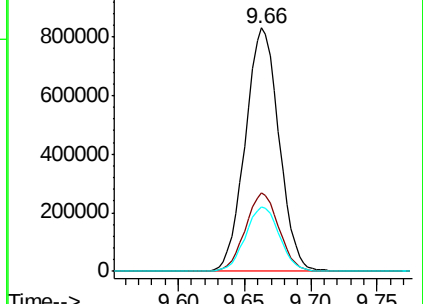
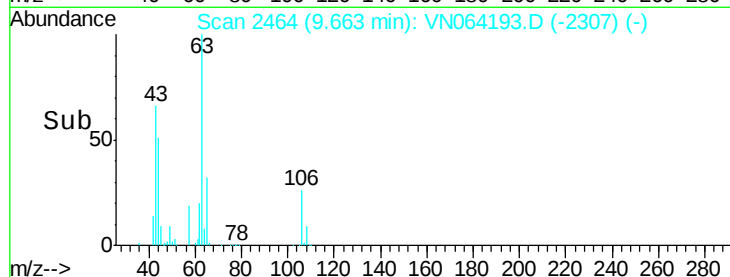
106 26.8 21.4 32.2



Abundance Ion 63.00 (62.70 to 63.70): VN064193.D (-2307) (-)

Ion 65.00 (64.70 to 65.70): VN064193.D (-2307) (-)

Ion 106.00 (105.70 to 106.70): VN064193.D (-2307) (-)



#56

Bromoform

Concen: 109.724 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

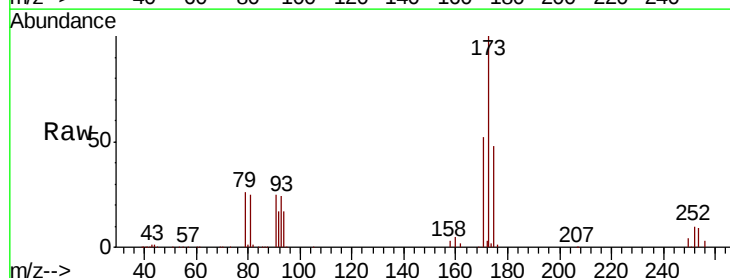
Tgt Ion: 173 Resp: 318742

Ion Ratio Lower Upper

173 100

175 48.5 39.0 58.4

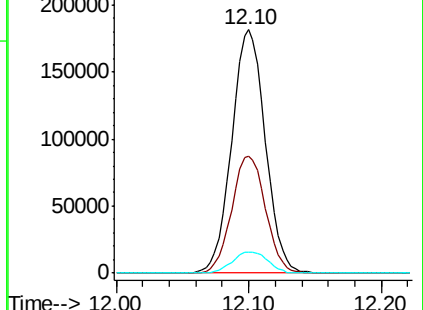
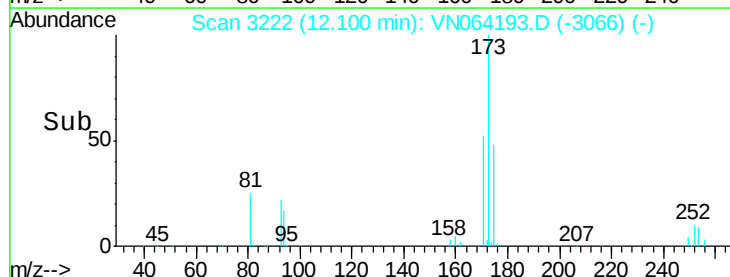
254 9.0 6.8 10.2

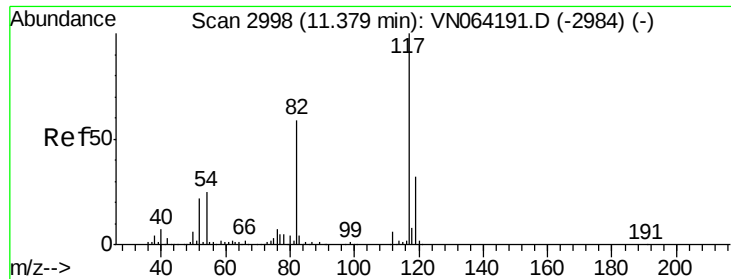


Abundance Ion 173.00 (172.70 to 173.70): VN064193.D (-3066) (-)

Ion 175.00 (174.70 to 175.70): VN064193.D (-3066) (-)

Ion 254.00 (253.70 to 254.70): VN064193.D (-3066) (-)





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

VSTDIC100

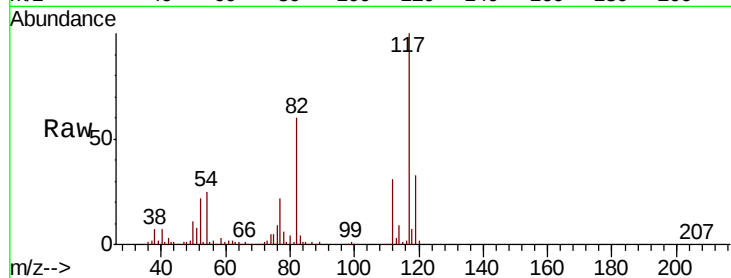
Tot Ion:117 Resp: 269715

Ion Ratio Lower Upper

117 100

82 60.3 47.8 71.8

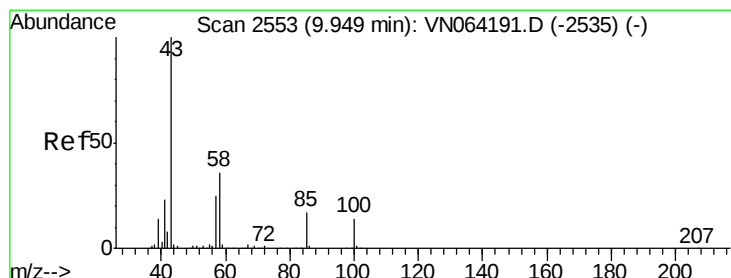
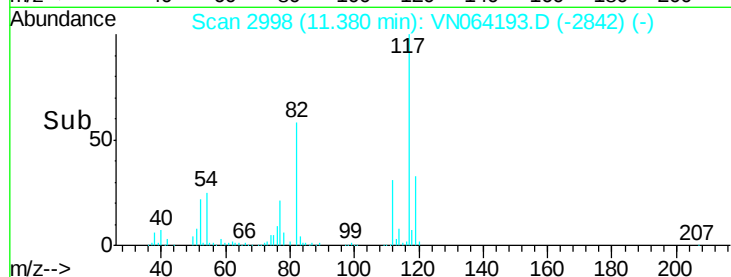
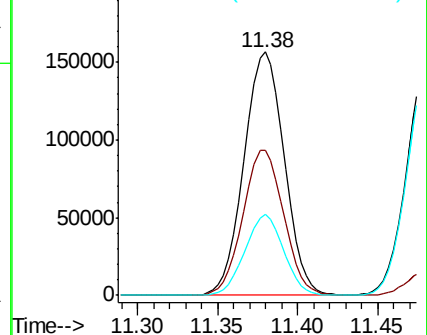
119 31.9 25.7 38.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VN

Ion 119.00 (118.70 to 119.70): V



#58

4-Methyl-2-Pentanone

Concen: 480.699 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

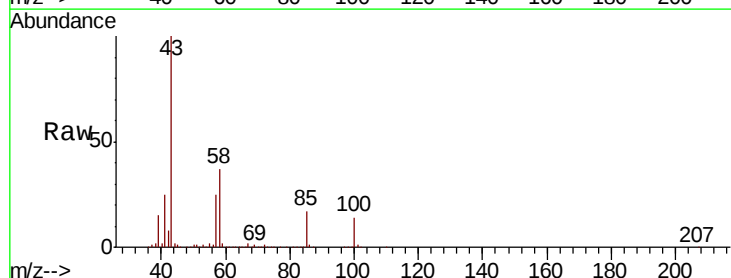
Tgt Ion: 43 Resp: 2356804

Ion Ratio Lower Upper

43 100

58 36.7 29.5 44.3

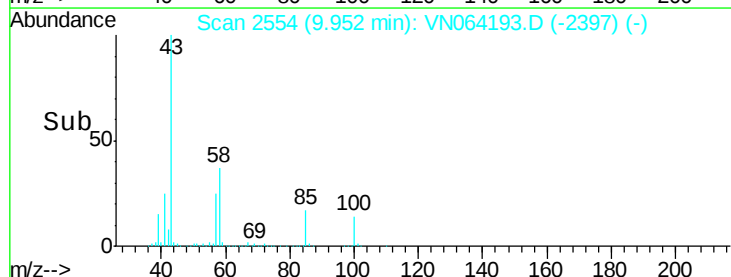
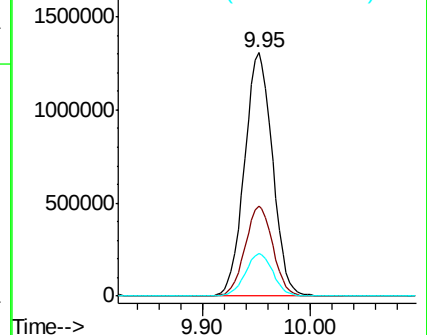
85 17.4 13.7 20.5

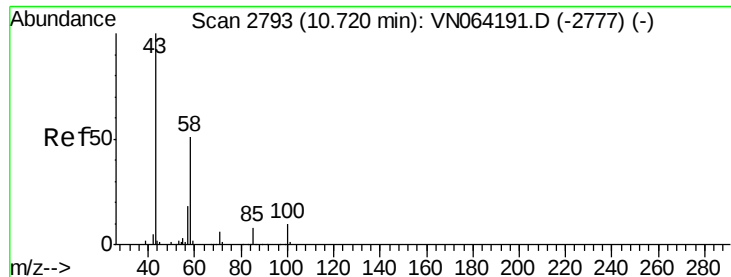


Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

Ion 85.00 (84.70 to 85.70): VN

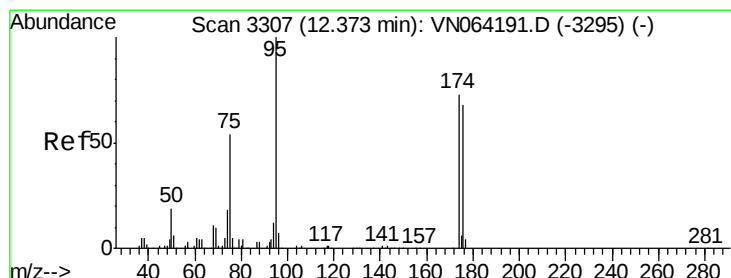
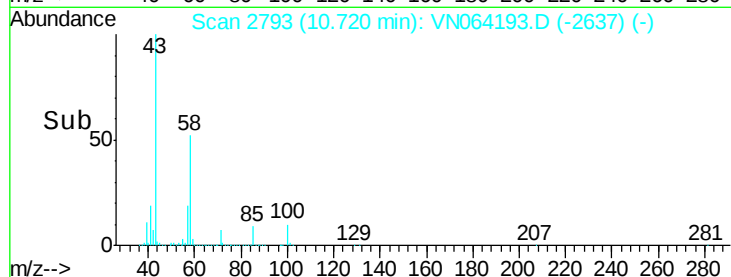
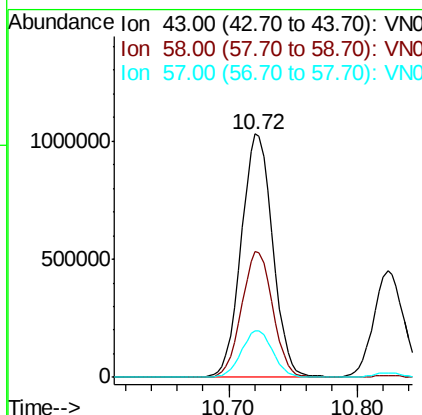
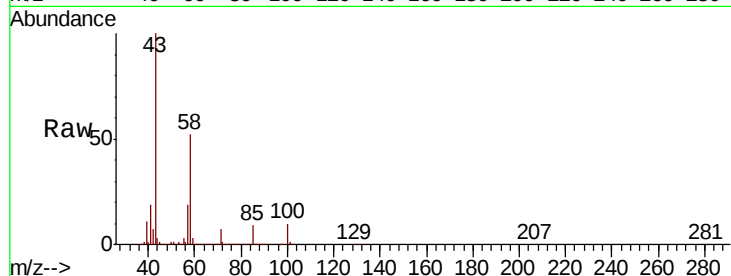




#59
2-Hexanone
Concen: 475.757 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

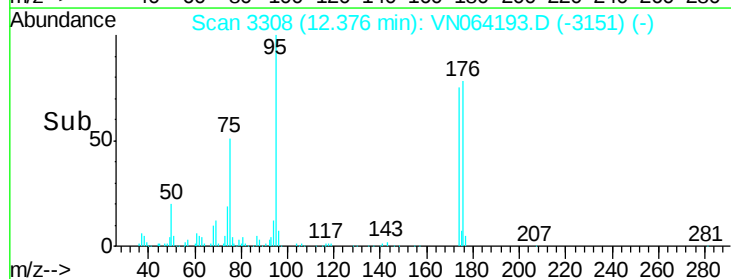
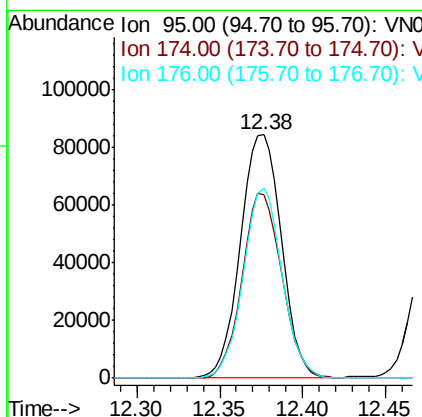
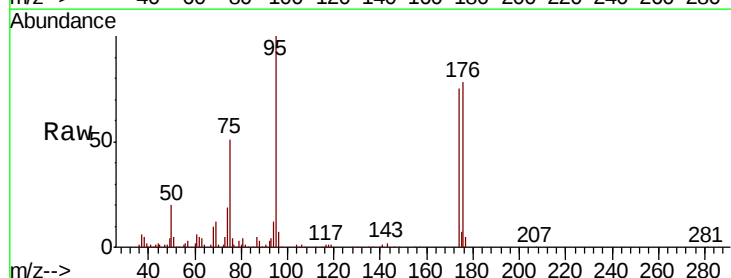
Instrument :
BNA_N
ClientSampleId :
VSTDICC100

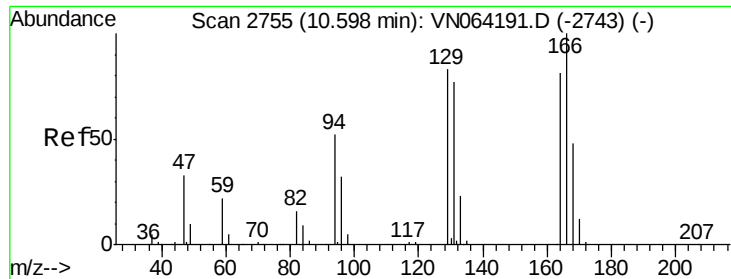
Tot Ion: 43 Resp: 1743672
Ion Ratio Lower Upper
43 100
58 51.4 40.2 60.4
57 19.2 14.8 22.2



#60
4-Bromofluorobenzene
Concen: 31.012 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion: 95 Resp: 145794
Ion Ratio Lower Upper
95 100
174 73.2 57.6 86.4
176 73.7 54.9 82.3





#61

Tetrachloroethene

Concen: 109.795 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 363441

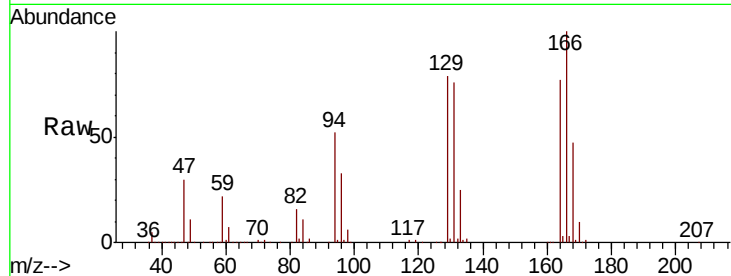
Ion Ratio Lower Upper

164 100

166 130.7 99.2 148.8

129 103.4 82.8 124.2

131 98.9 76.2 114.4

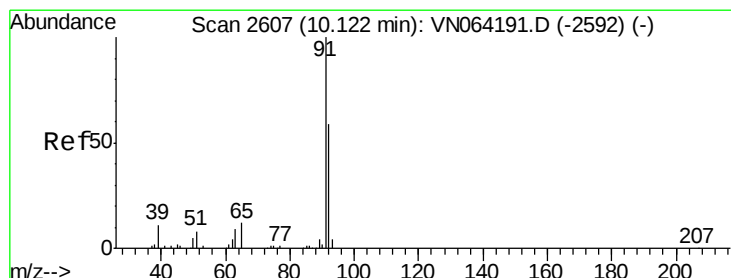
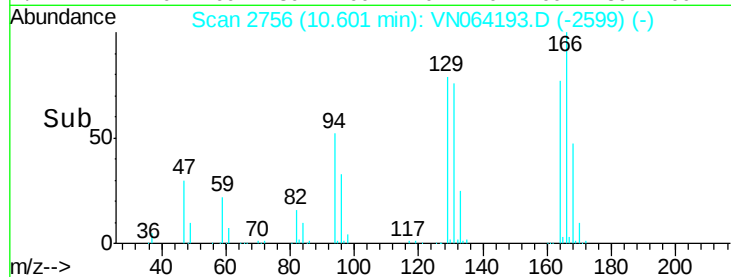
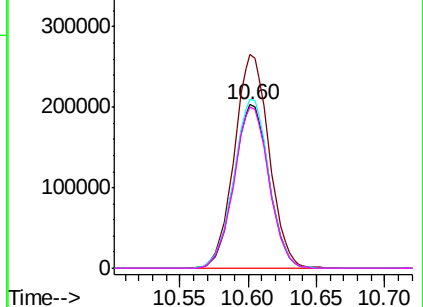


Abundance Ion 163.85 (163.55 to 164.55): V

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: 105.919 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064193.D

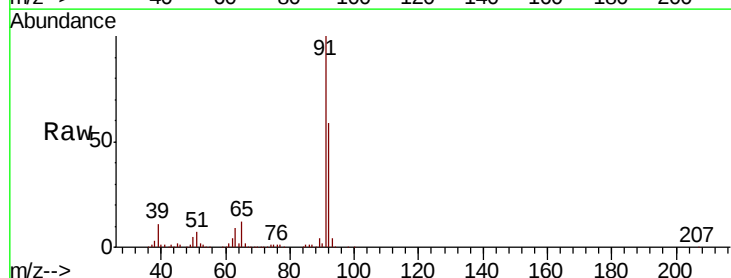
Acq: 20 Oct 2020 11:11

Tgt Ion: 91 Resp: 1582515

Ion Ratio Lower Upper

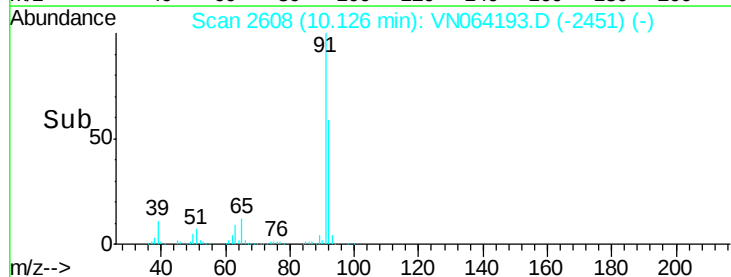
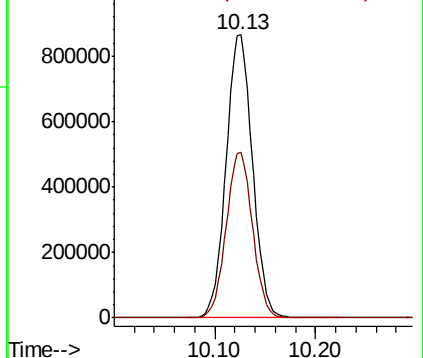
91 100

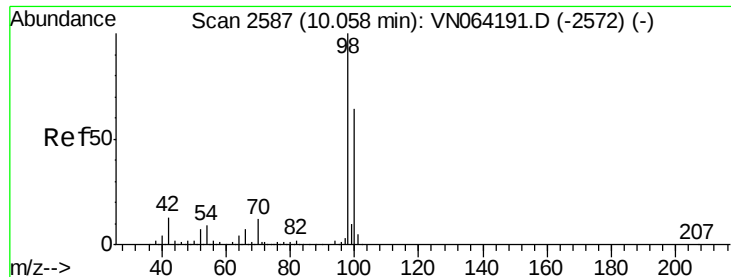
92 58.5 46.8 70.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.355 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

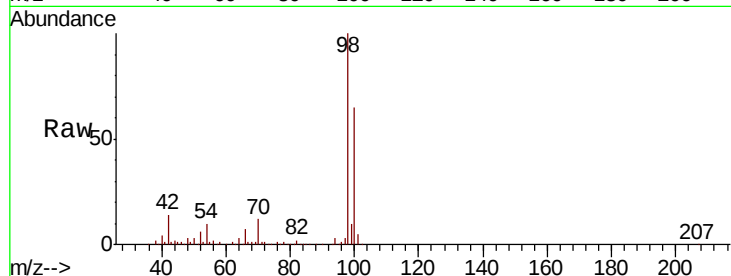
VSTDICC100

Tot Ion: 98 Resp: 359170

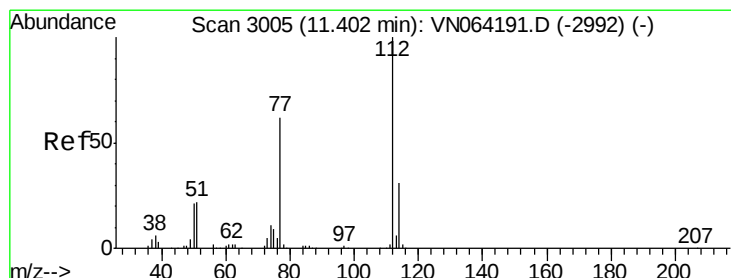
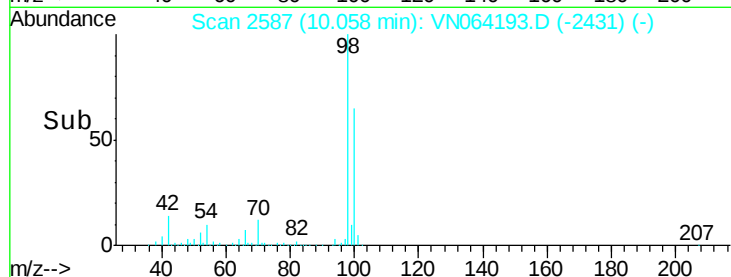
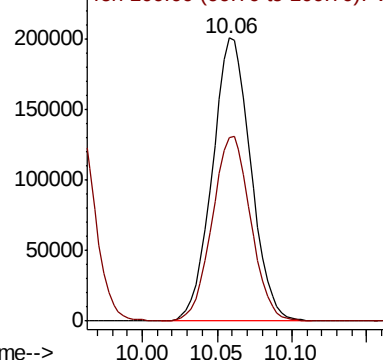
Ion Ratio Lower Upper

98 100

100 64.9 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN064193.D (-2572) (-)



#64

Chlorobenzene

Concen: 109.211 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064193.D

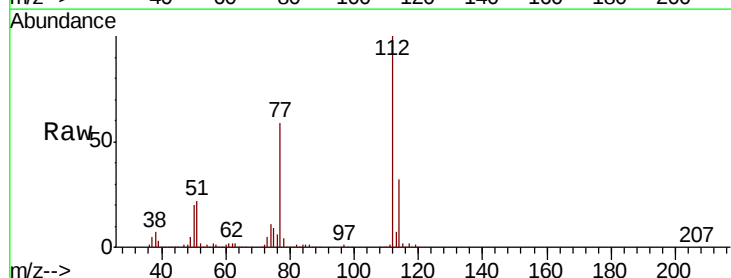
Acq: 20 Oct 2020 11:11

Tgt Ion: 112 Resp: 995979

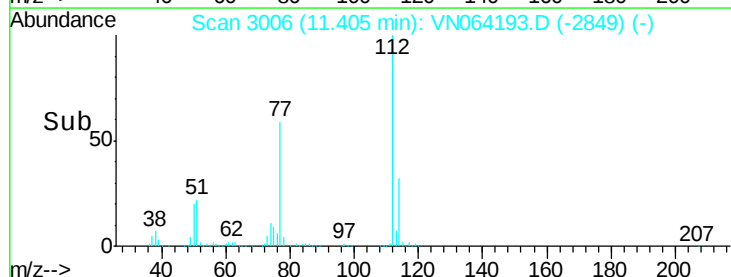
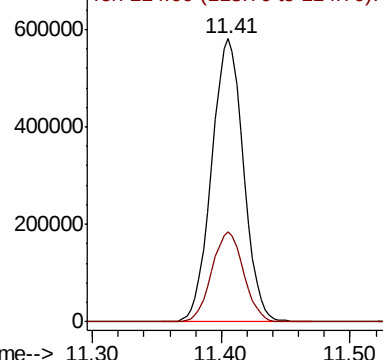
Ion Ratio Lower Upper

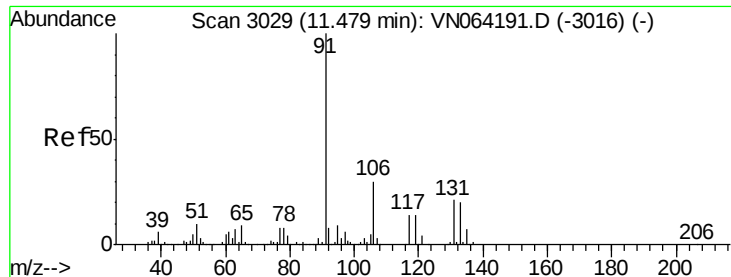
112 100

114 31.8 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): VN064193.D (-2849) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 109.298 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

VSTDIC100

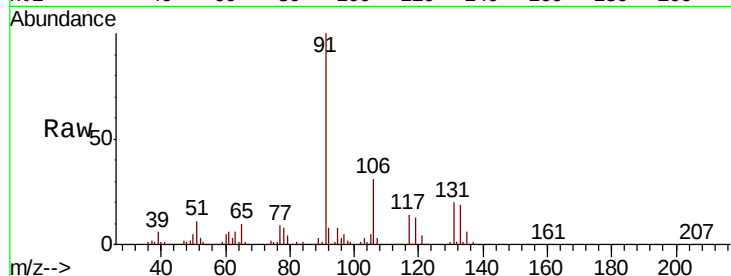
Tot Ion:131 Resp: 388521

Ion Ratio Lower Upper

131 100

133 95.4 0.0 193.0

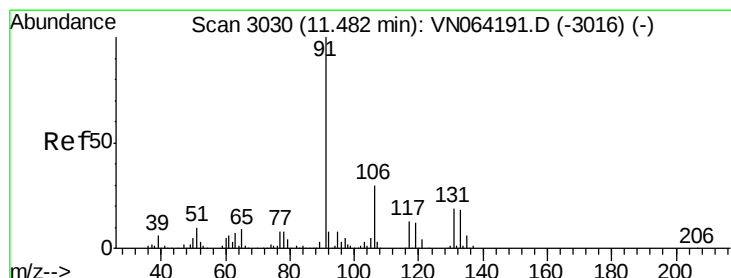
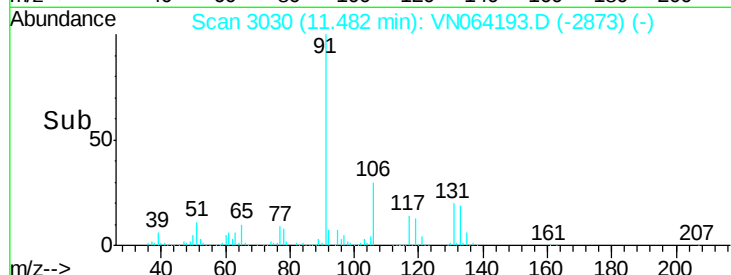
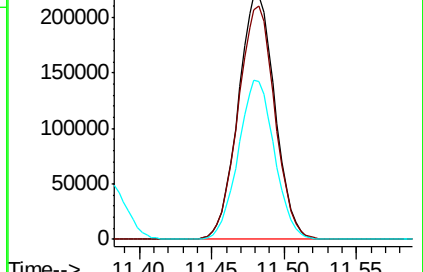
119 64.2 0.0 132.2



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: 109.513 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064193.D

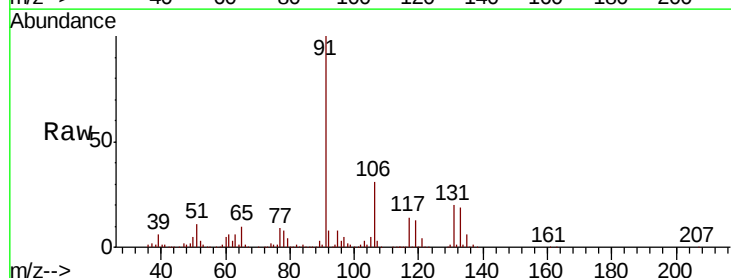
Acq: 20 Oct 2020 11:11

Tgt Ion: 91 Resp: 1821076

Ion Ratio Lower Upper

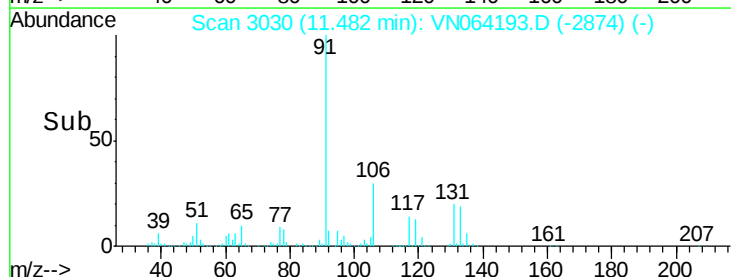
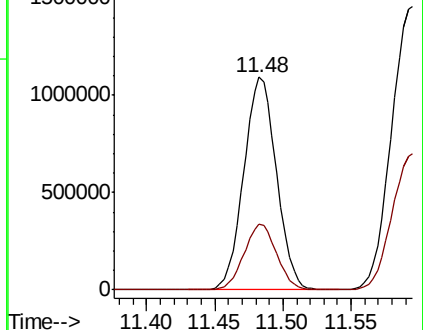
91 100

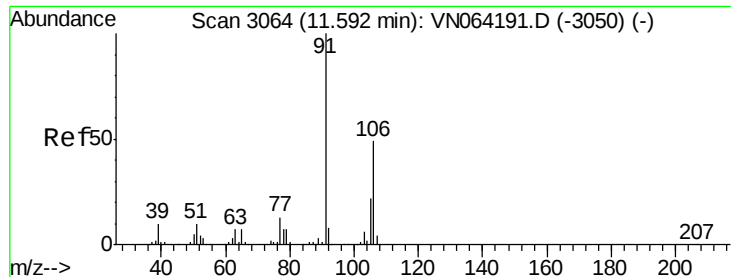
106 31.0 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xvlenes

Concen: 220.587 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

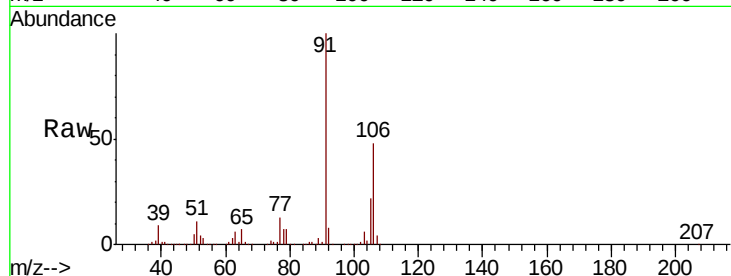
VSTDIC100

Tot Ion:106 Resp: 1356304

Ion Ratio Lower Upper

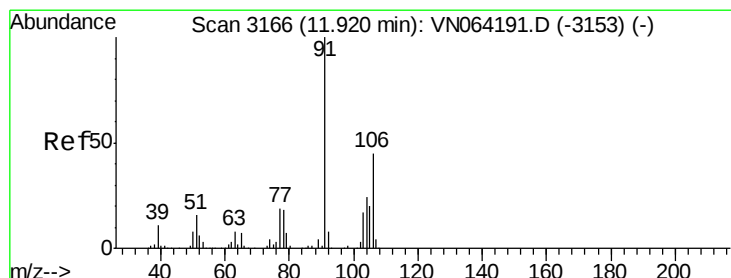
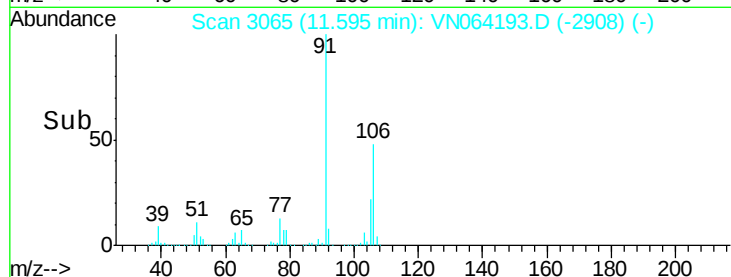
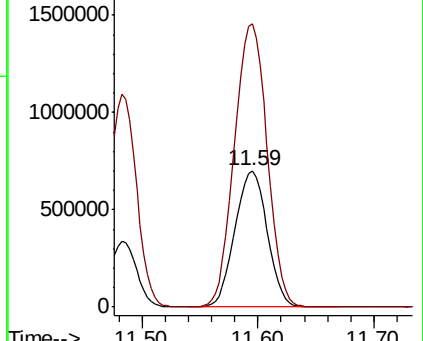
106 100

91 210.3 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 113.028 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. 0.00 min

Lab File: VN064193.D

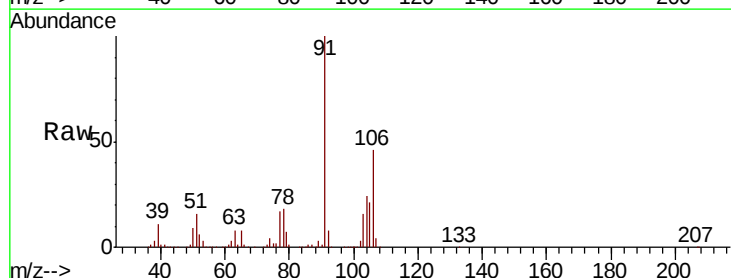
Acq: 20 Oct 2020 11:11

Tgt Ion:106 Resp: 664877

Ion Ratio Lower Upper

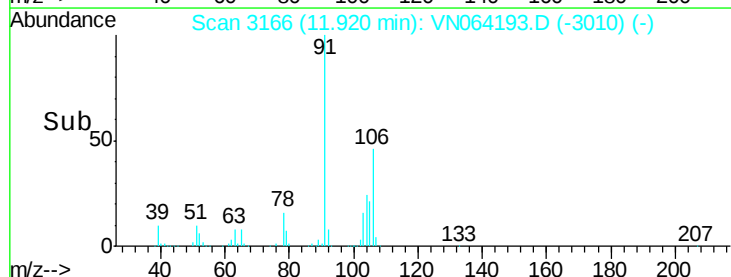
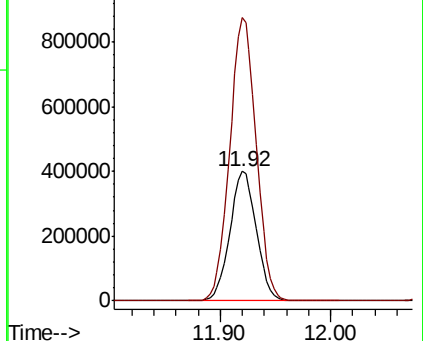
106 100

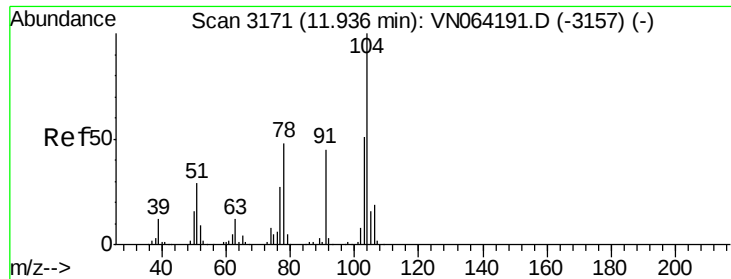
91 218.3 113.9 341.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

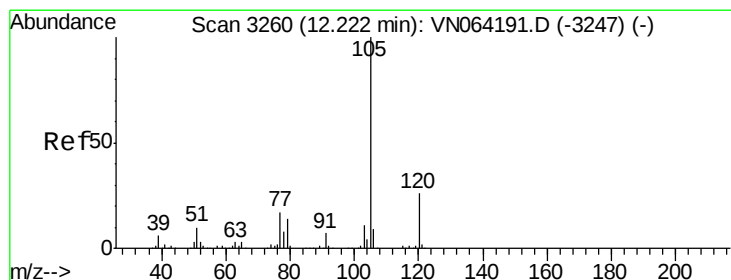
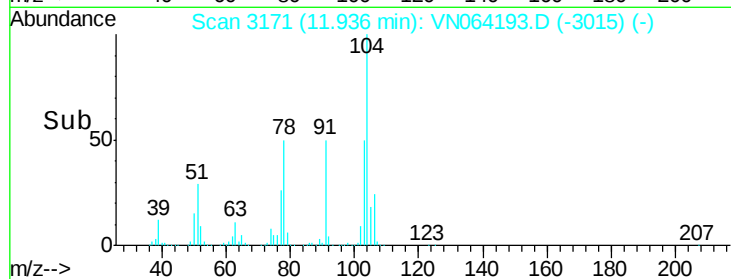
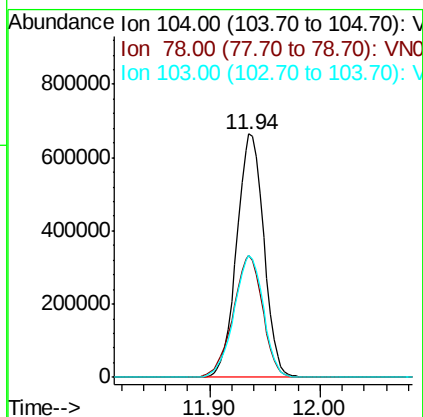
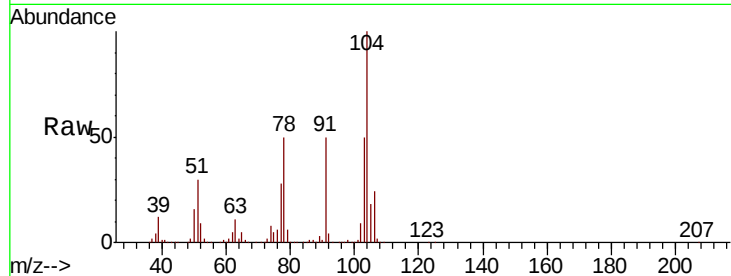




#69
Stvrene
Concen: 113.013 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

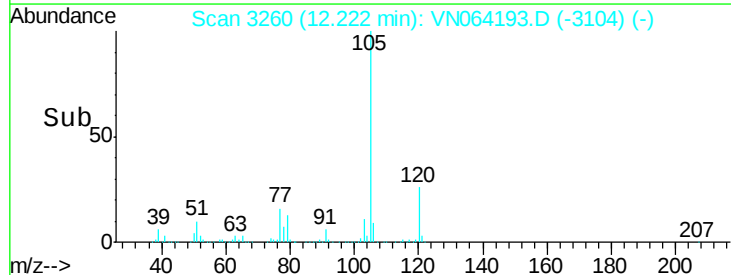
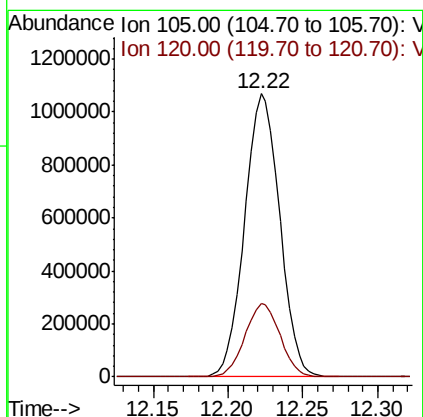
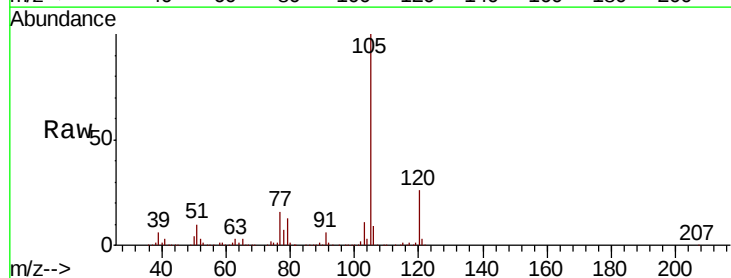
Instrument :
BNA_N
ClientSampleId :
VSTDIC100

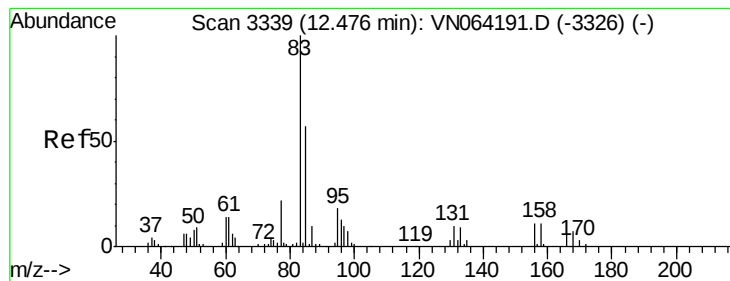
Tot Ion:104 Resp: 1135034
Ion Ratio Lower Upper
104 100
78 54.3 43.6 65.4
103 54.0 44.8 67.2



#70
Isopropylbenzene
Concen: 111.491 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion:105 Resp: 1747158
Ion Ratio Lower Upper
105 100
120 25.9 18.1 33.7





#71

1,1,2,2-Tetrachloroethane

Concen: 98.881 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

VSTDIC100

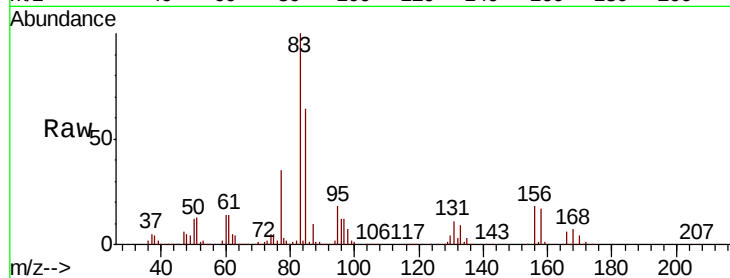
Tot Ion: 83 Resp: 475537

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.4

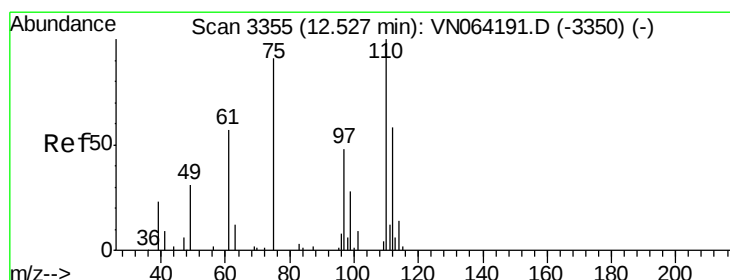
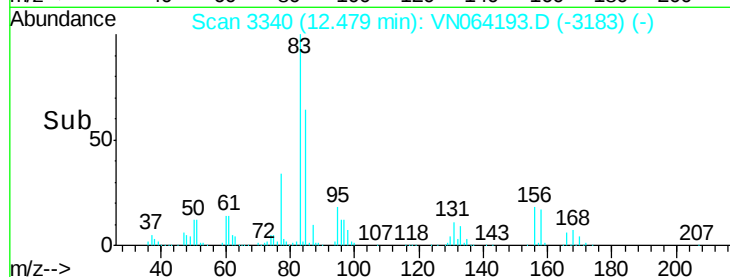
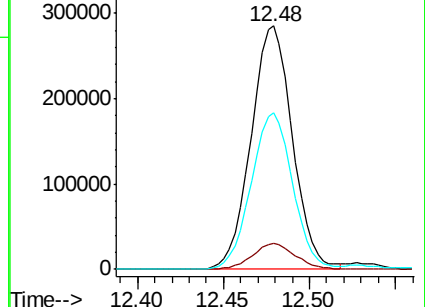
85 64.4 30.8 92.4



Abundance Ion 83.00 (82.70 to 83.70): VN064193.D (-3339) (-)

Ion 131.00 (130.70 to 131.70): VN064193.D (-3340) (-)

Ion 85.00 (84.70 to 85.70): VN064193.D (-3340) (-)



#72

1,2,3-Trichloropropane

Concen: 148.418 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064193.D

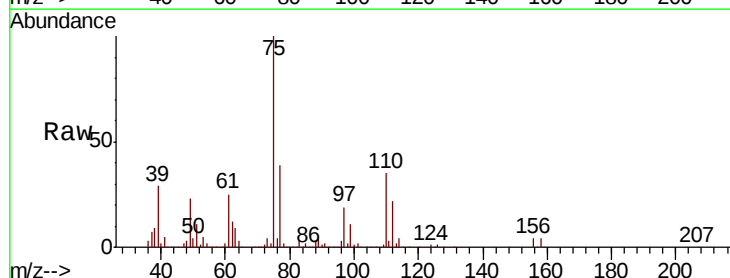
Acq: 20 Oct 2020 11:11

Tgt Ion: 75 Resp: 712841

Ion Ratio Lower Upper

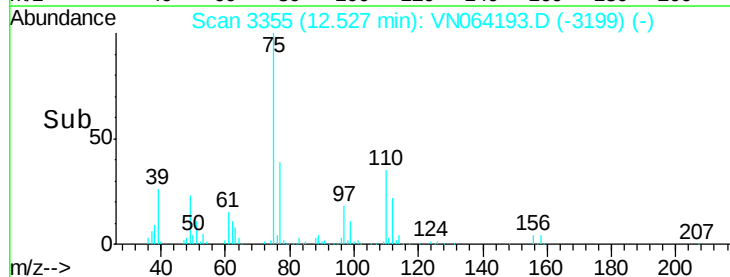
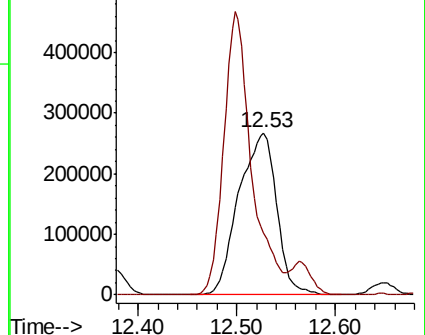
75 100

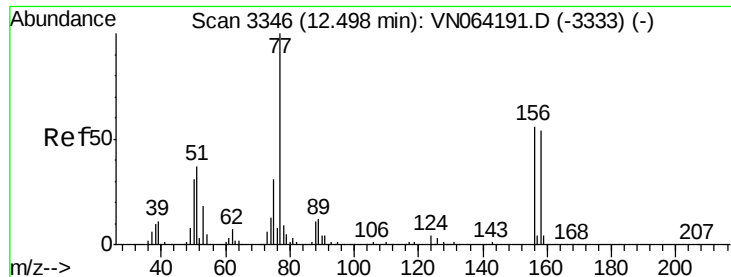
77 130.2 0.0 417.6



Abundance Ion 75.00 (74.70 to 75.70): VN064193.D (-3355) (-)

Ion 77.00 (76.70 to 77.70): VN064193.D (-3356) (-)





#73

Bromobenzene

Concen: 106.055 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

VSTDIC100

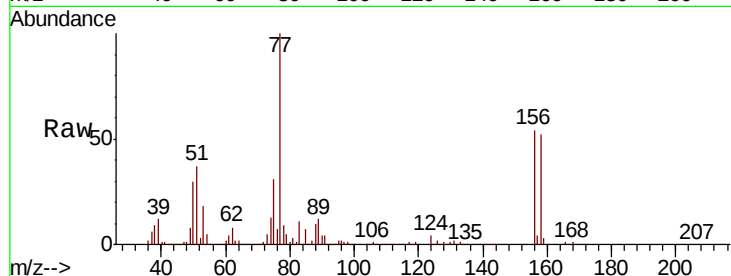
Tot Ion:156 Resp: 420899

Ion Ratio Lower Upper

156 100

77 220.6 0.0 429.8

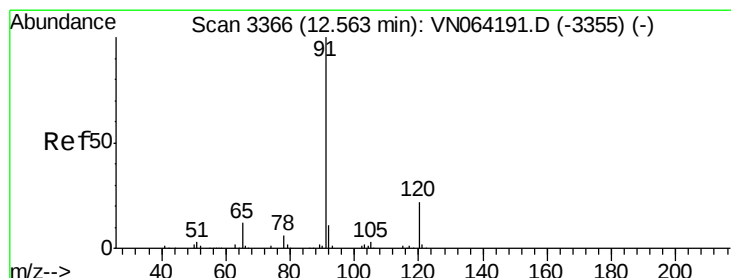
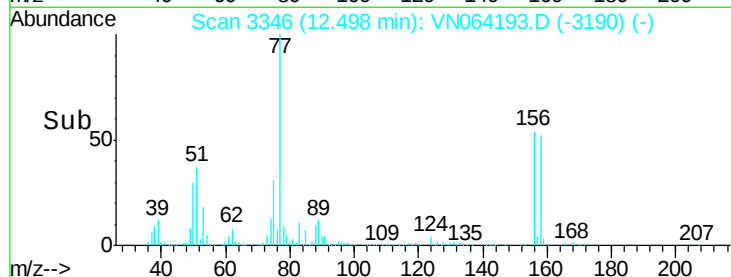
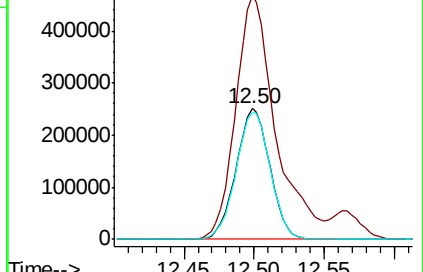
158 98.2 0.0 190.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 110.553 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064193.D

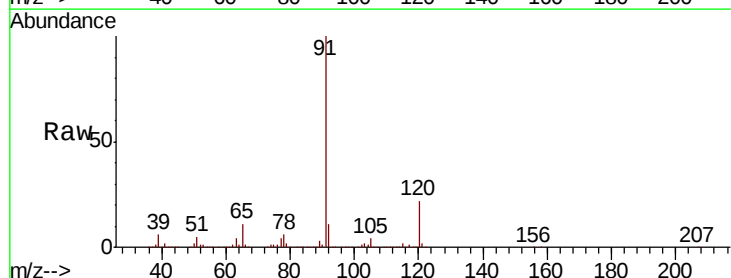
Acq: 20 Oct 2020 11:11

Tgt Ion: 91 Resp: 2015728

Ion Ratio Lower Upper

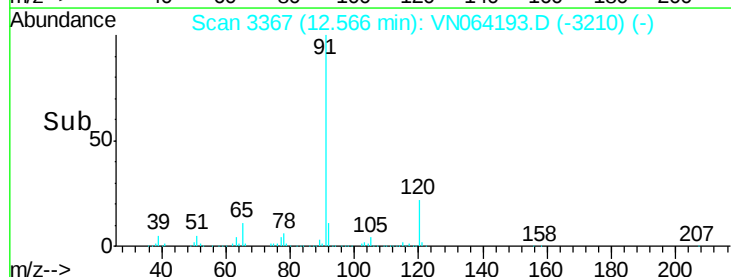
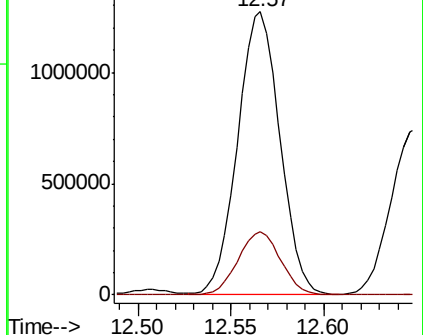
91 100

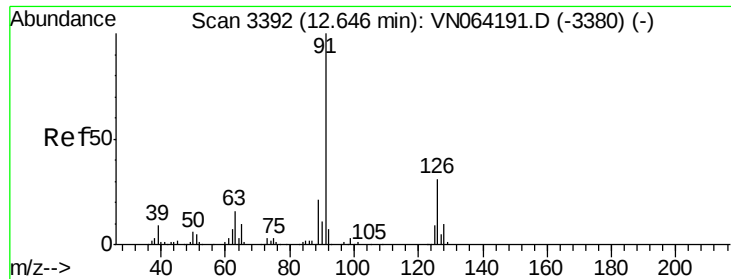
120 22.5 0.0 43.8



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 111.054 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

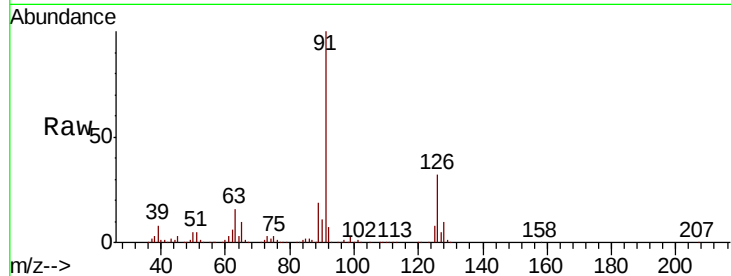
VSTDIC100

Tot Ion: 91 Resp: 1236272

Ion Ratio Lower Upper

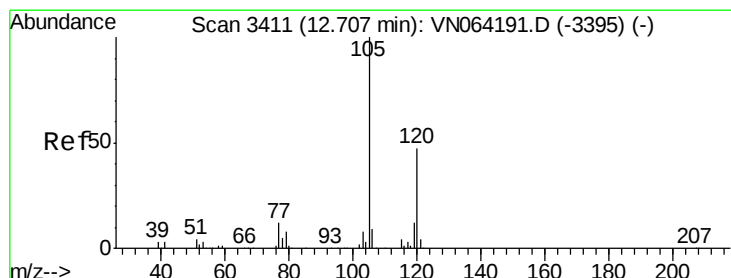
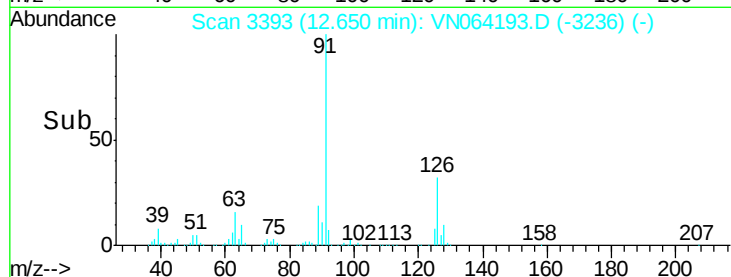
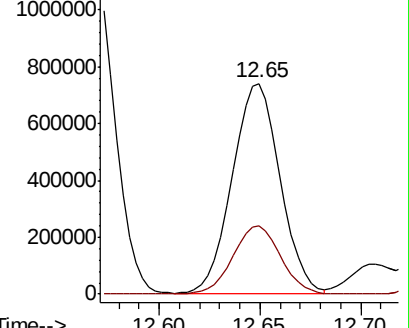
91 100

126 32.3 0.0 62.4



Abundance Ion 91.00 (90.70 to 91.70): VN064193.D (-3392) (-)

Ion 126.00 (125.70 to 126.70): VN064193.D (-3392) (-)



#76

1,3,5-Trimethylbenzene

Concen: 113.740 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064193.D

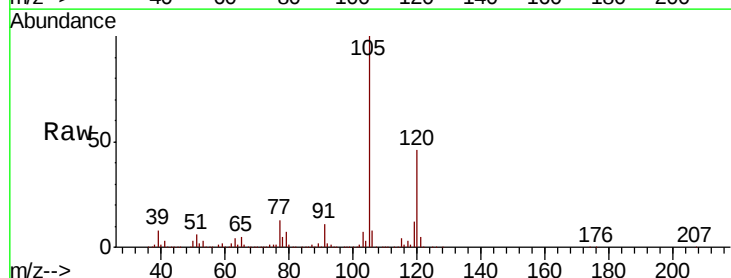
Acq: 20 Oct 2020 11:11

Tgt Ion: 105 Resp: 1504750

Ion Ratio Lower Upper

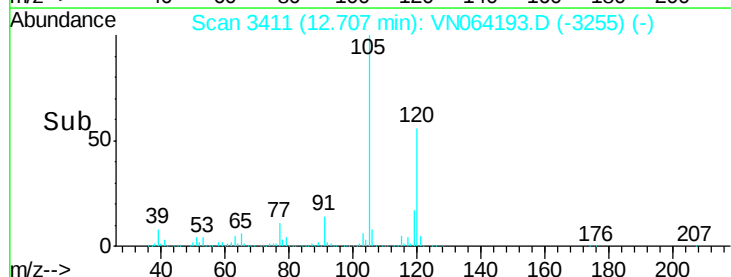
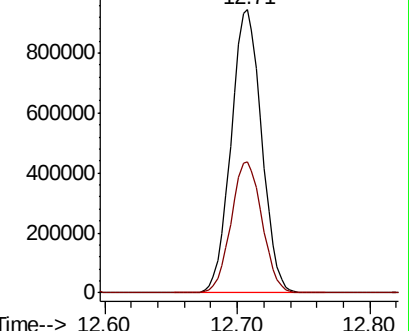
105 100

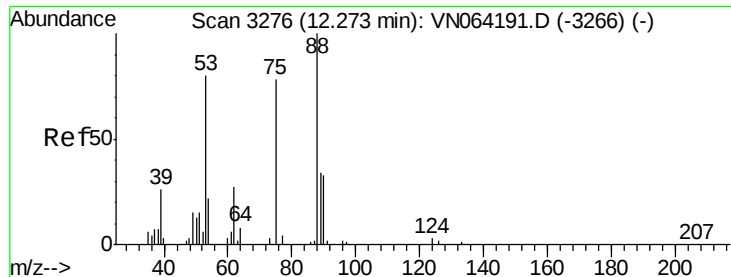
120 47.1 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN064193.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN064193.D (-3411) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 113.549 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

VSTDIC100

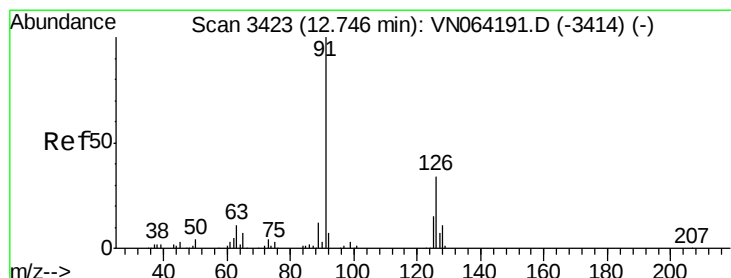
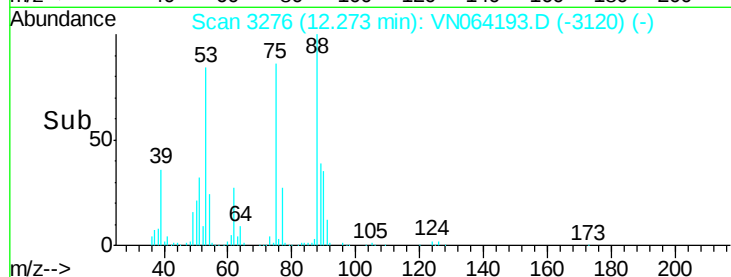
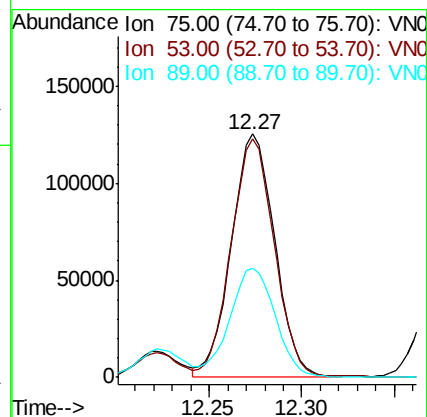
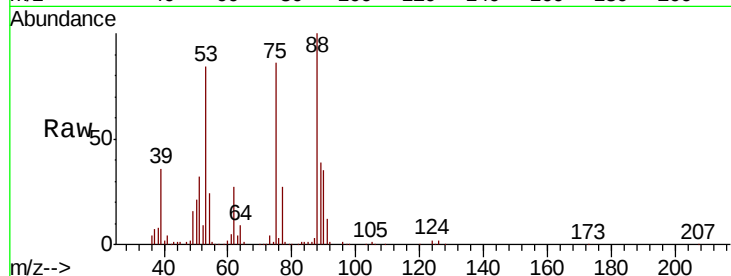
Tot Ion: 75 Resp: 203552

Ion Ratio Lower Upper

75 100

53 97.9 51.4 154.2

89 44.9 23.8 71.5



#78

4-Chlorotoluene

Concen: 111.817 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064193.D

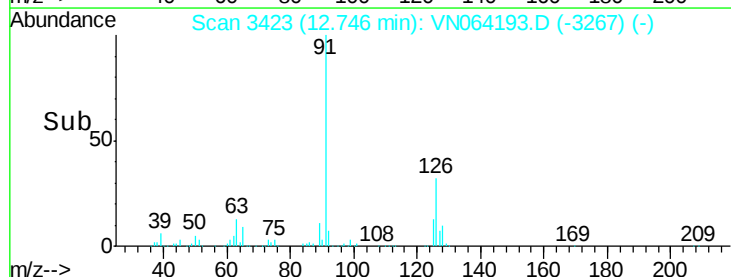
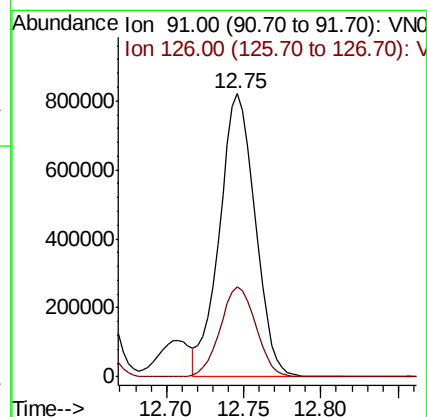
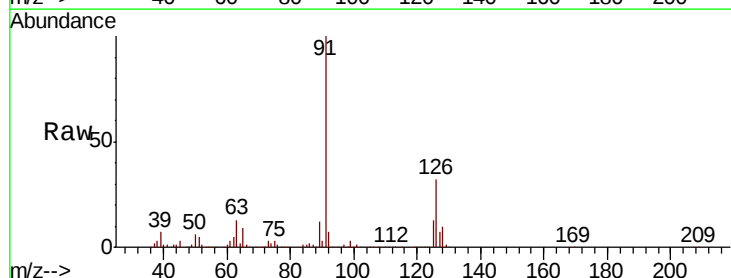
Acq: 20 Oct 2020 11:11

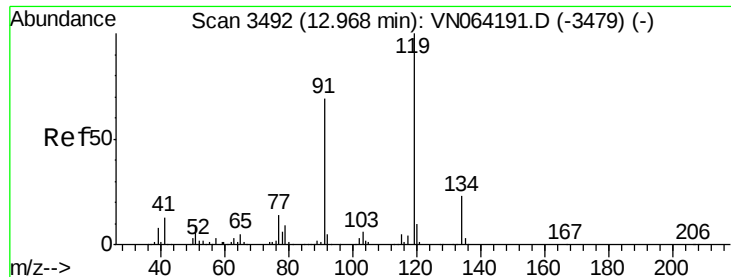
Tgt Ion: 91 Resp: 1312101

Ion Ratio Lower Upper

91 100

126 32.0 0.0 63.2

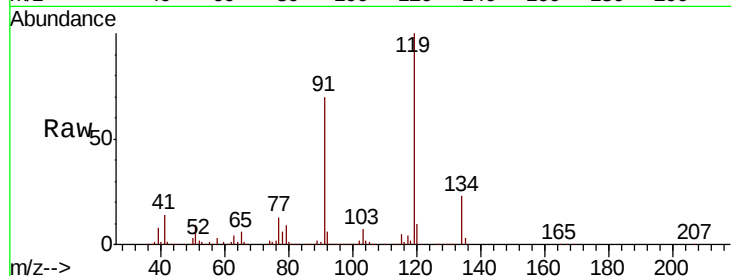




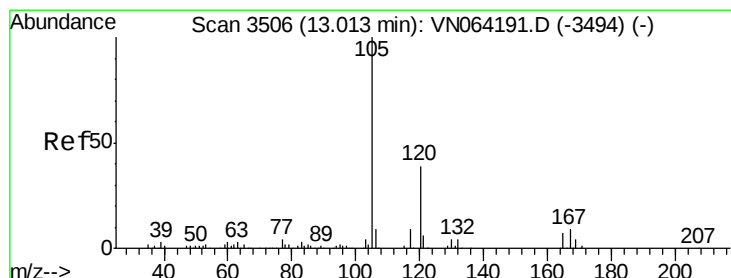
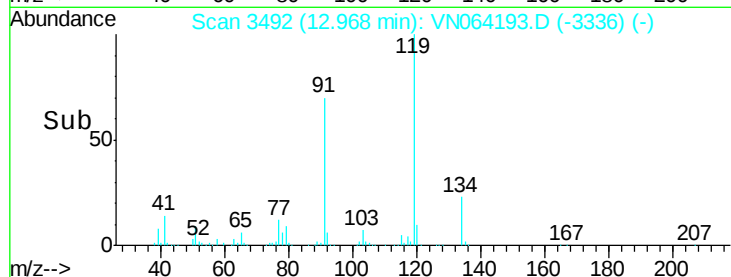
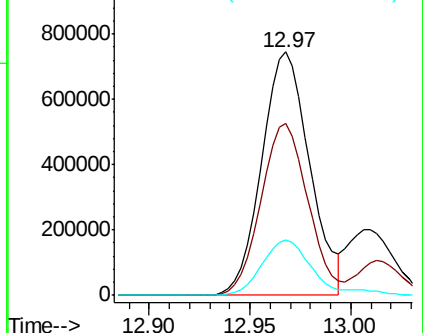
#79
tert-butylbenzene
Concen: 115.719 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Instrument :
BNA_N
ClientSampleId :
VSTDICC100

Tot Ion:119 Resp: 1235400
Ion Ratio Lower Upper
119 100
91 69.3 0.0 143.2
134 22.6 0.0 49.2

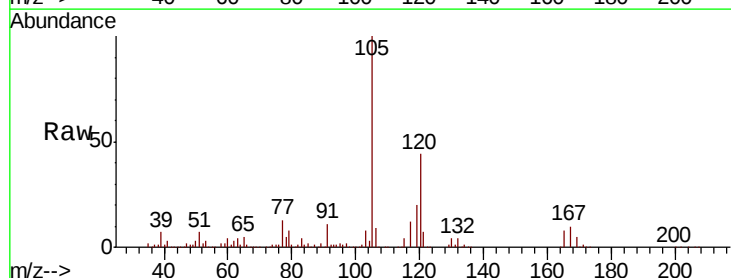


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

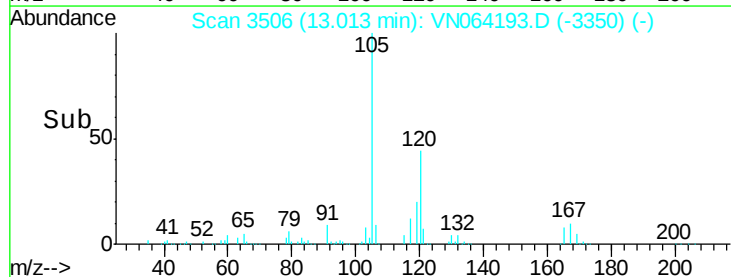
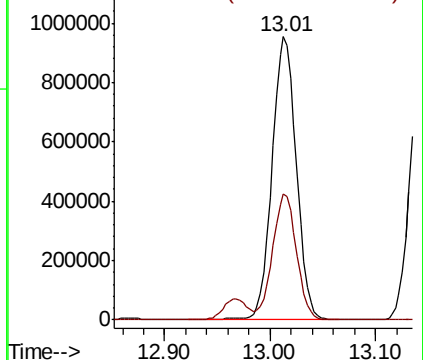


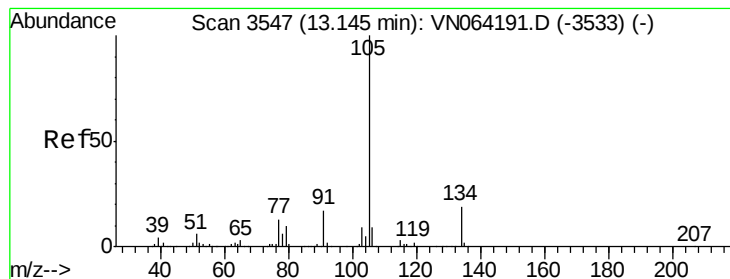
#80
1,2,4-Trimethylbenzene
Concen: 114.089 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion:105 Resp: 1517606
Ion Ratio Lower Upper
105 100
120 43.7 0.0 85.8



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





#81

sec-Butylbenzene

Concen: 113.211 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

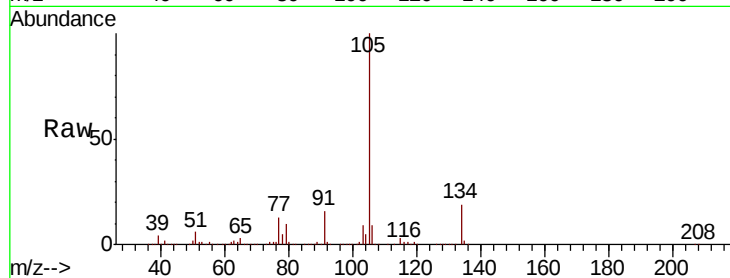
VSTDIC100

Tot Ion:105 Resp: 1584349

Ion Ratio Lower Upper

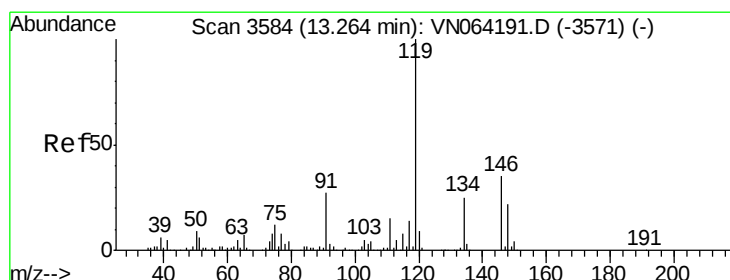
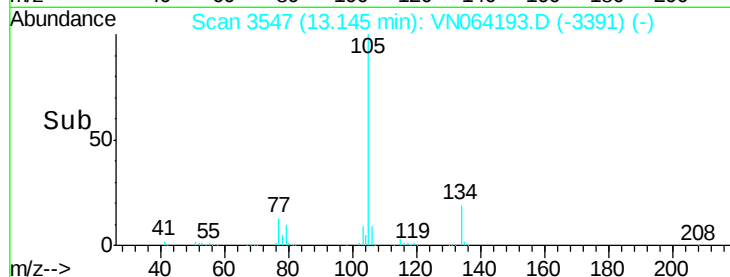
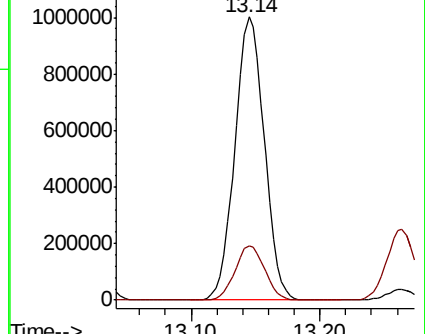
105 100

134 19.4 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: 115.935 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

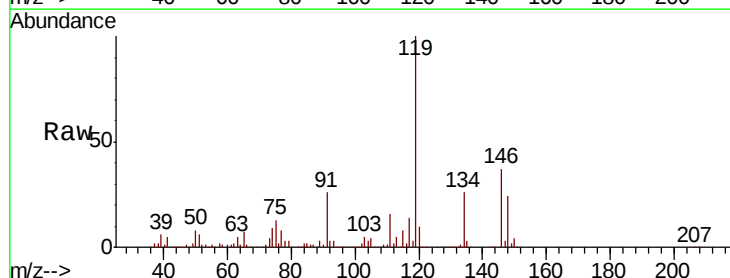
Tgt Ion:119 Resp: 1479619

Ion Ratio Lower Upper

119 100

134 25.8 0.0 51.4

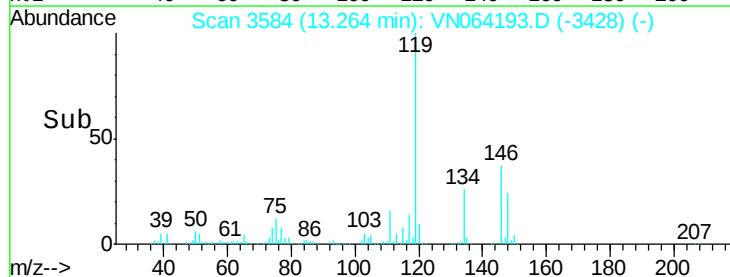
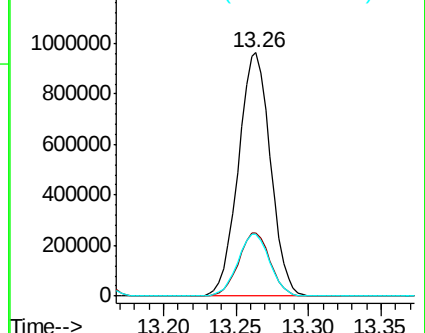
91 25.6 0.0 52.8

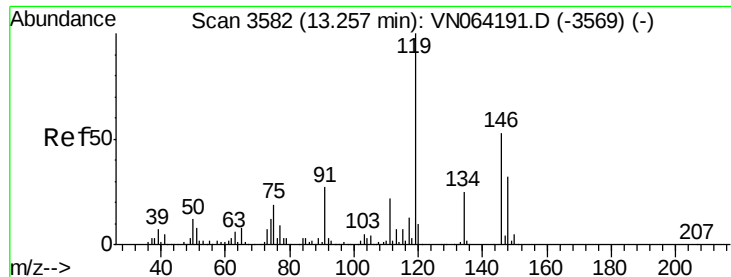


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

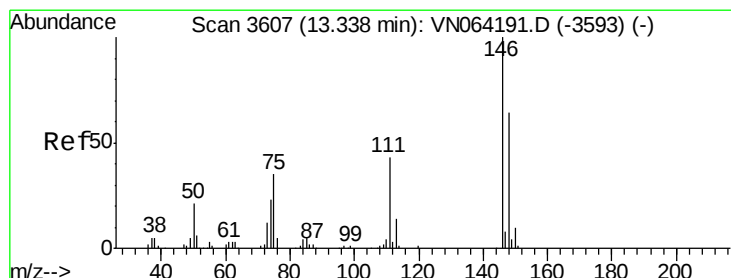
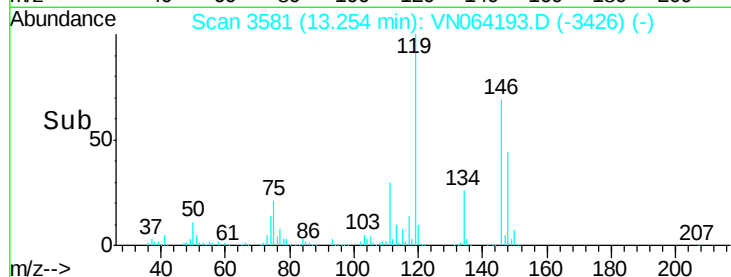
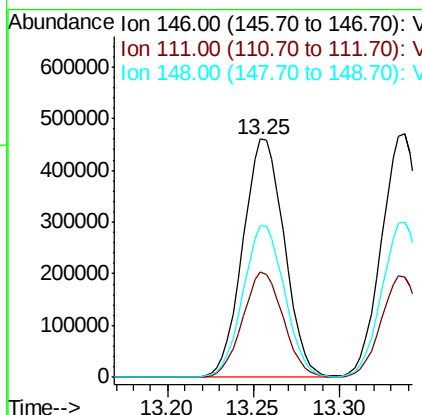
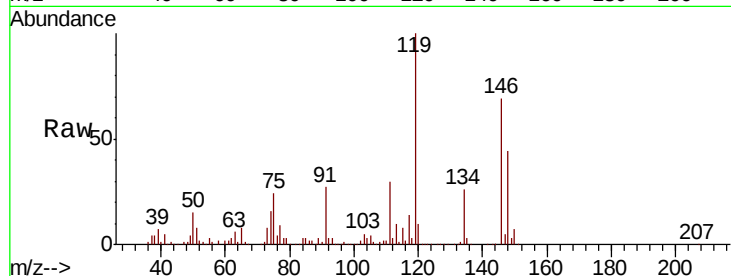




#83
 1,3-Dichlorobenzene
 Concen: 110.421 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

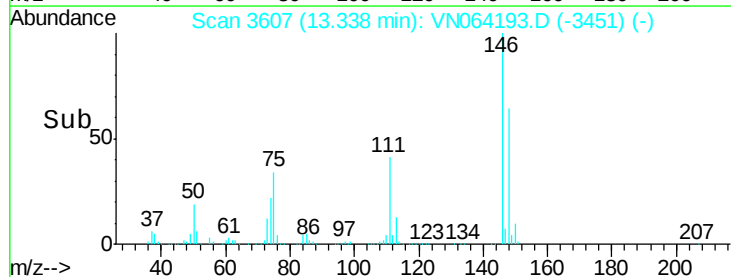
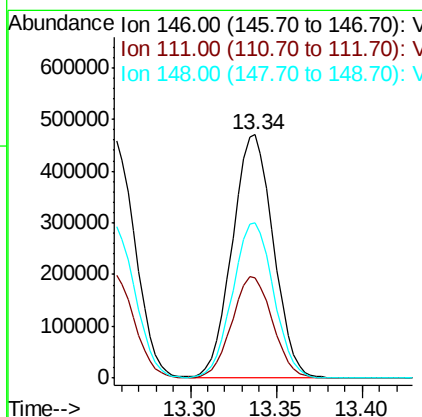
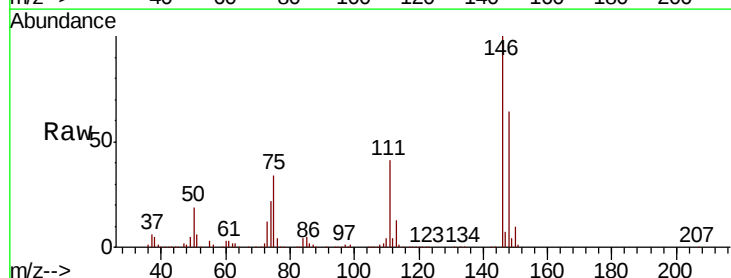
Instrument :
 BNA_N
 ClientSampleId :
 VSTDIC100

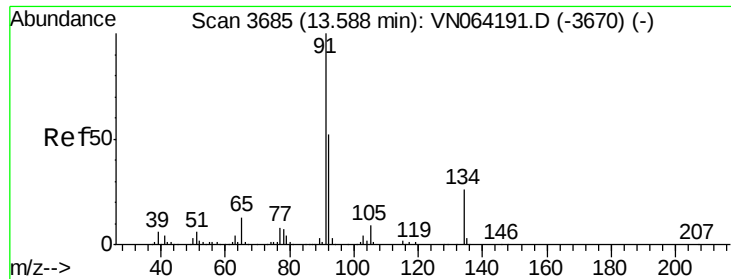
Tot Ion:146 Resp: 772573
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.8 65.4
 148 63.4 31.4 94.2



#84
 1,4-Dichlorobenzene
 Concen: 110.859 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion:146 Resp: 776245
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.9 62.8
 148 63.9 30.9 92.7

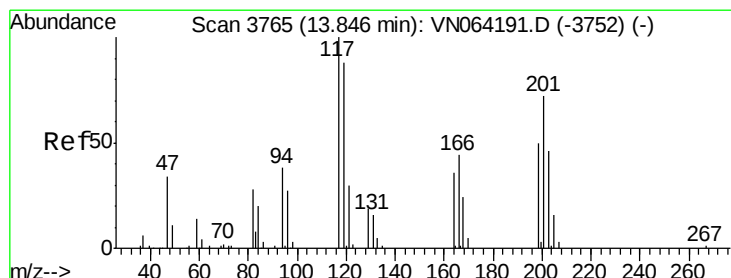
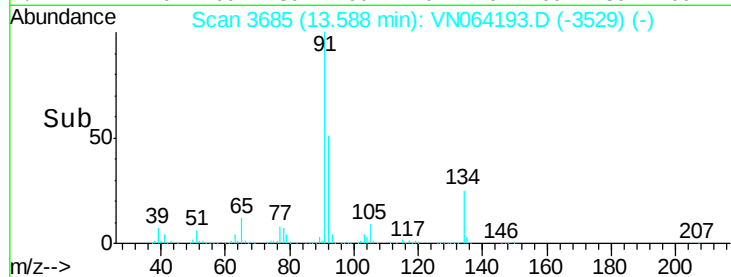
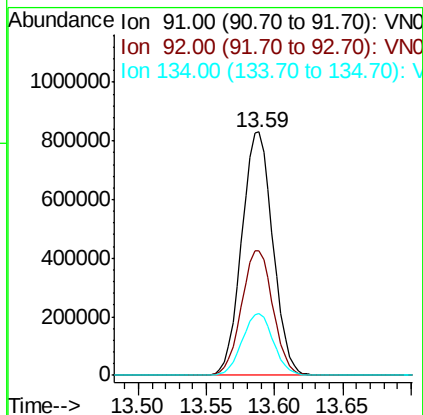
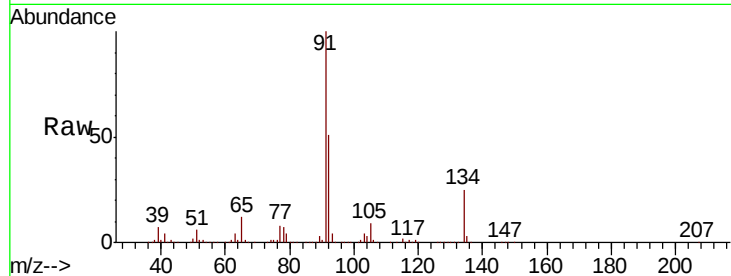




#85
n-Butylbenzene
Concen: 117.697 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

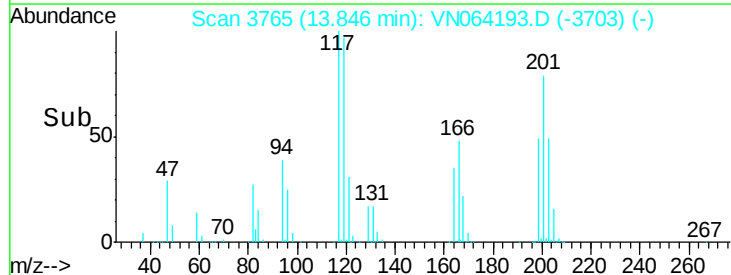
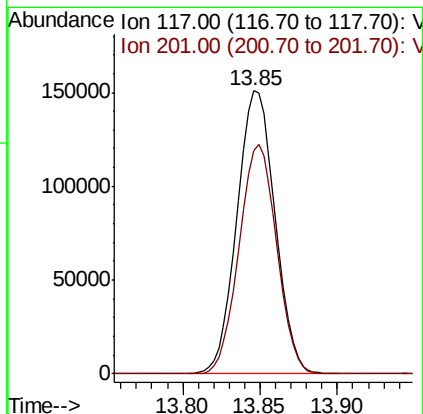
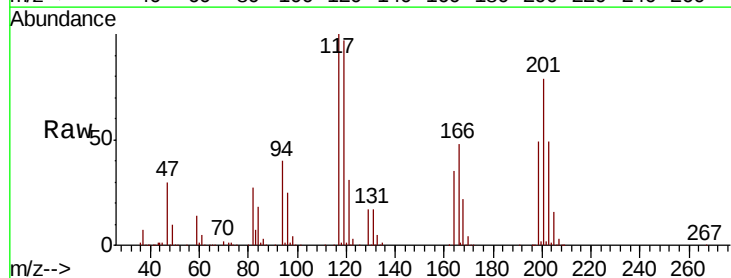
Instrument :
BNA_N
ClientSampleId :
VSTDIC100

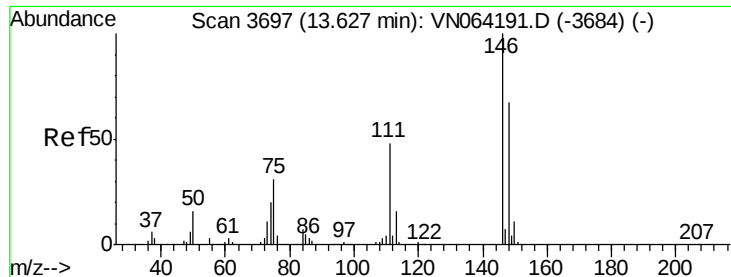
Tot Ion: 91 Resp: 1312669
Ion Ratio Lower Upper
91 100
92 51.7 0.0 104.8
134 25.5 0.0 49.8



#86
Hexachloroethane
Concen: 117.757 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion: 117 Resp: 258843
Ion Ratio Lower Upper
117 100
201 79.9 37.5 112.3





#87

1,2-Dichlorobenzene

Concen: 110.267 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

VSTDIC100

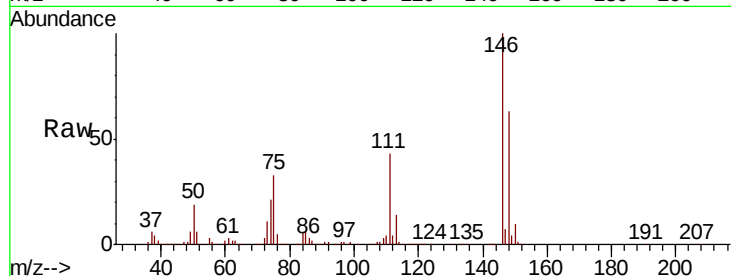
Tot Ion:146 Resp: 751667

Ion Ratio Lower Upper

146 100

111 44.1 22.6 67.8

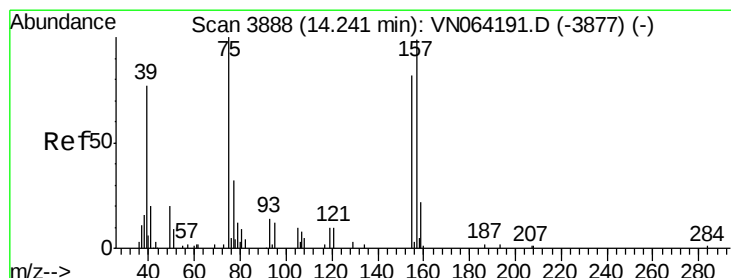
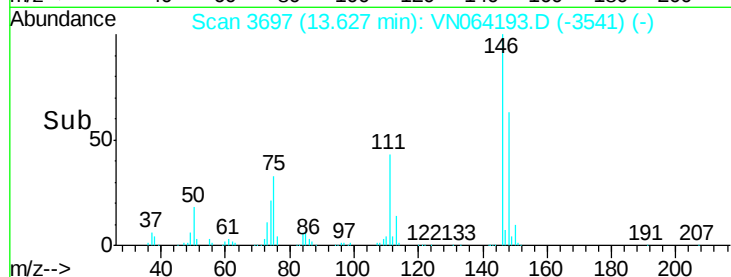
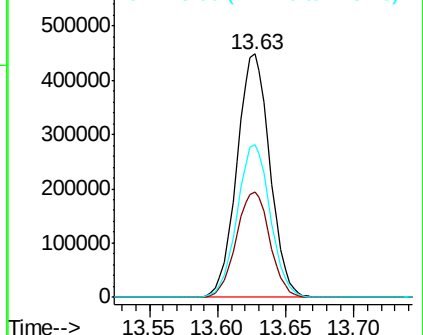
148 63.1 32.6 97.8



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: 103.987 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

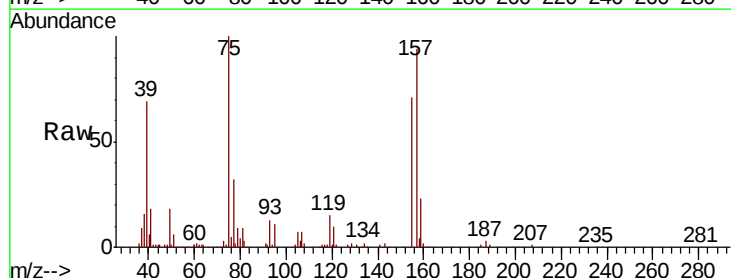
Tgt Ion: 75 Resp: 119991

Ion Ratio Lower Upper

75 100

155 73.6 61.1 91.7

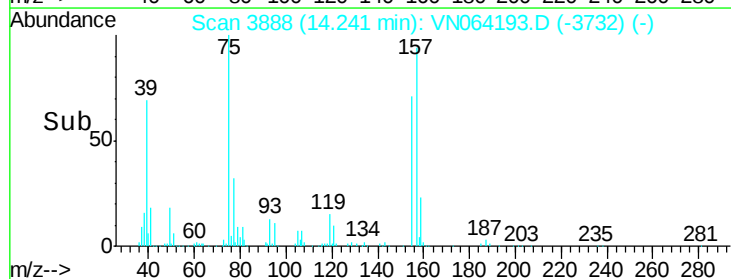
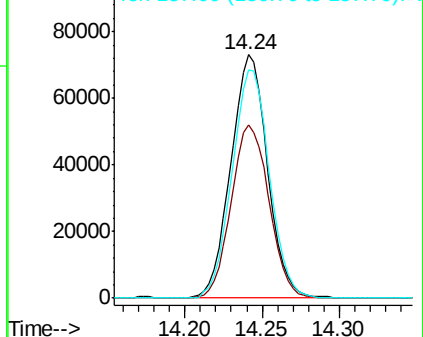
157 95.9 76.5 114.7

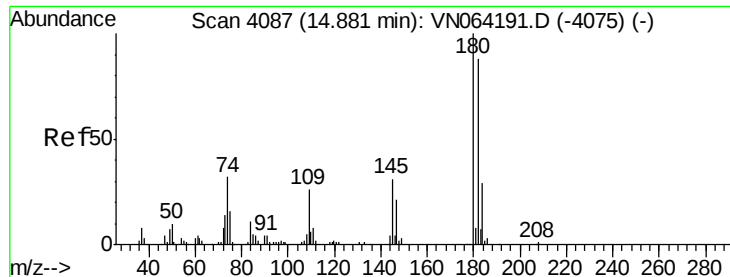


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

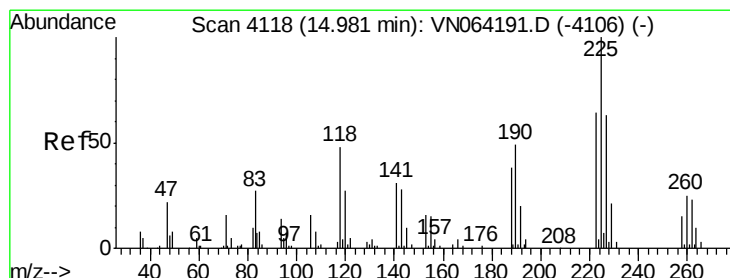
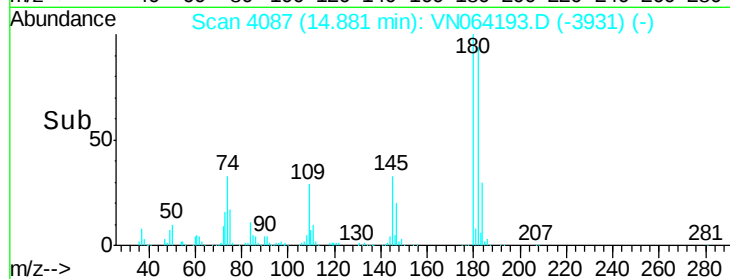
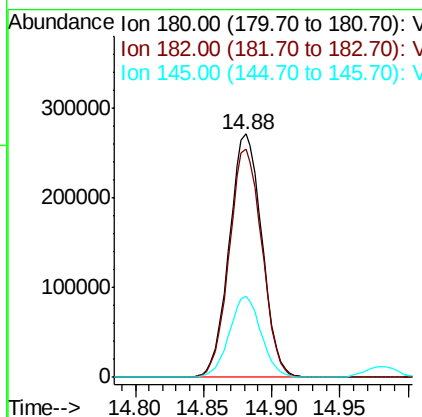
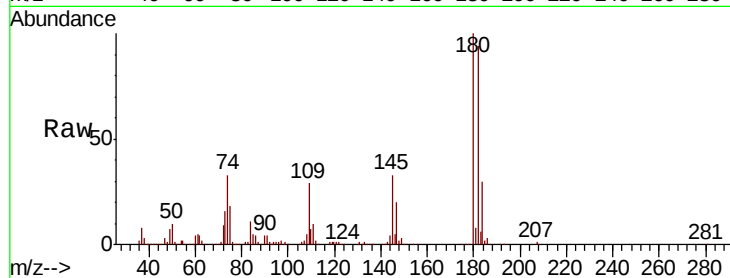




#89
 1,2,4-Trichlorobenzene
 Concen: 124.206 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

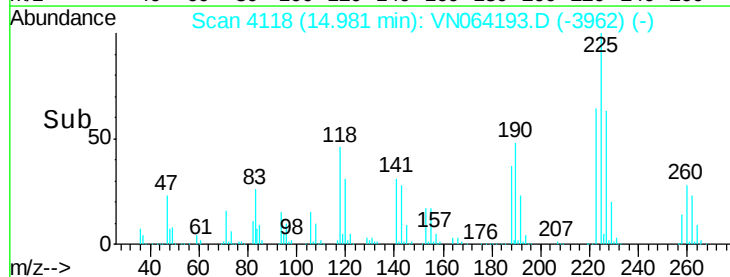
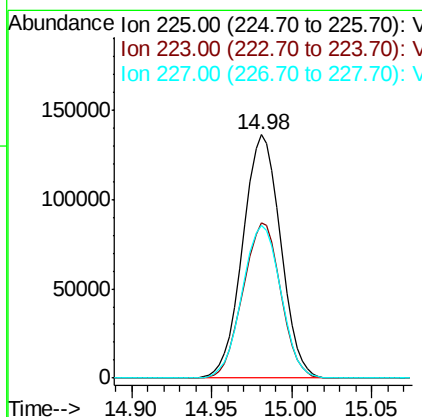
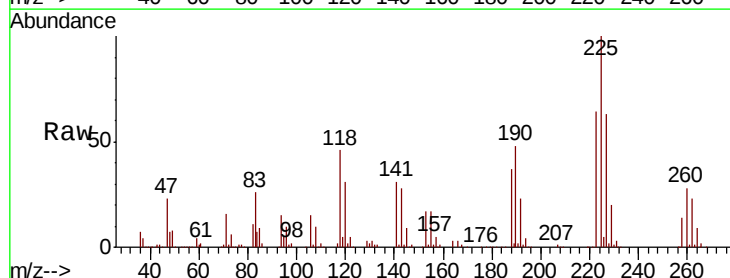
Instrument :
 BNA_N
 ClientSampleId :
 VSTDIC100

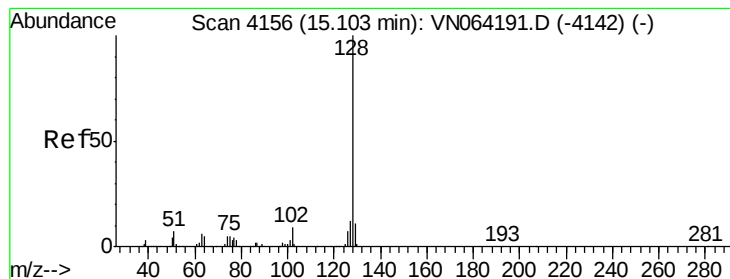
Tot Ion:180 Resp: 451915
 Ion Ratio Lower Upper
 180 100
 182 93.9 73.0 109.4
 145 32.5 24.3 36.5



#90
 Hexachlorobutadiene
 Concen: 116.878 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion:225 Resp: 220018
 Ion Ratio Lower Upper
 225 100
 223 63.6 0.0 127.0
 227 63.9 0.0 129.4





#91

Naphthalene

Concen: 125.006 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

BNA_N

ClientSampleId :

VSTDICC100

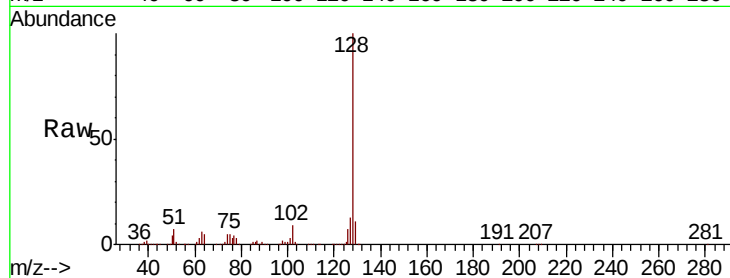
Tot Ion:128 Resp: 1369308

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

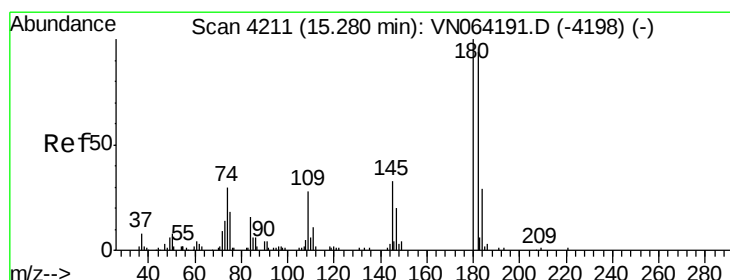
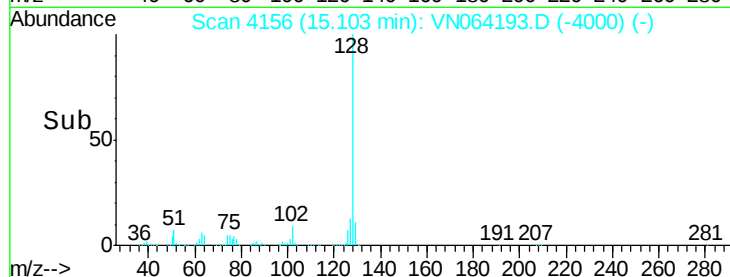
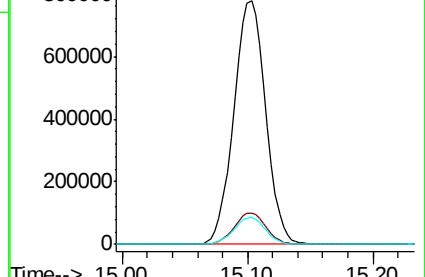
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 124.447 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

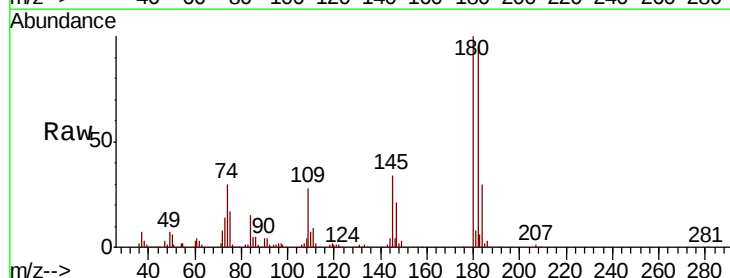
Tgt Ion:180 Resp: 435031

Ion Ratio Lower Upper

180 100

182 94.4 0.0 190.0

145 34.3 0.0 66.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

