

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090919\
 Data File : VN057791.D
 Acq On : 9 Sep 2019 10:40
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 09 11:53:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 11:48:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	84374	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	484633	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	447112	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	214249	28.71	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.70%
60) 4-Bromofluorobenzene	12.40	95	235304	30.76	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.53%
63) Toluene-d8	10.09	98	634653	29.57	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	774637	151.956	ug/l 98
3) Chloromethane	2.04	50	869600	136.805	ug/l 98
4) Vinyl Chloride	2.16	62	916203	140.878	ug/l 99
5) Bromomethane	2.52	94	542179	132.965	ug/l 92
6) Chloroethane	2.67	64	546360	135.178	ug/l 98
7) Trichlorofluoromethane	2.99	101	1089974	145.066	ug/l 99
8) Diethyl Ether	3.39	74	448781	148.060	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	671342	143.091	ug/l 99
10) 1,1-Dichloroethene	3.71	96	642070	143.915	ug/l 94
11) Methyl Iodide	3.93	142	927265	155.346	ug/l 98
12) Methyl Acetate	4.30	43	873859	142.533	ug/l 95
13) Acrolein	3.58	56	220805	664.686	ug/l 98
14) Acrylonitrile	4.96	53	1826321	731.719	ug/l # 91
15) Acetone	3.80	58	471180	664.953	ug/l 100
16) Carbon Disulfide	4.03	76	1612677	155.230	ug/l 100
17) Allyl chloride	4.29	41	1256580	153.707	ug/l 96
18) Methylene Chloride	4.53	84	798538	142.036	ug/l 97
19) trans-1,2-Dichloroethene	5.01	96	716339	144.062	ug/l 99
20) Diisopropyl ether	5.93	45	2908548	152.183	ug/l 96
21) 1,1-Dichloroethane	5.82	63	1536931	145.842	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	896283	147.113	ug/l 100
23) tert-Butyl Alcohol	4.77	59	591008	725.326	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	2502962	146.389	ug/l # 100
25) Chloroform	7.36	83	1564017	145.776	ug/l 99
26) Cyclohexane	7.63	56	1302307	147.080	ug/l 99
29) 1,1-Dichloropropene	7.78	75	1166327	152.983	ug/l 99
30) 2-Butanone	6.81	43	2534086	737.169	ug/l 100
31) 2,2-Dichloropropane	6.80	77	1255367	155.961	ug/l 99
32) 1,1,1-Trichloroethane	7.55	97	1333981	155.623	ug/l 98
33) Carbon Tetrachloride	7.76	117	1132604	161.971	ug/l 98
34) Benzene	8.03	78	3319650	146.951	ug/l # 88
35) Methacrylonitrile	7.16	41	530050	169.241	ug/l 96
36) 1,2-Dichloroethane	8.11	62	1306117	148.994	ug/l 99
37) Trichloroethene	8.82	130	838798	152.879	ug/l 98
38) Methylcyclohexane	9.07	83	1332485	153.490	ug/l 98
39) 1,2-Dichloropropane	9.11	63	940866	148.306	ug/l 98
40) Dibromomethane	9.20	93	585455	151.729	ug/l 97

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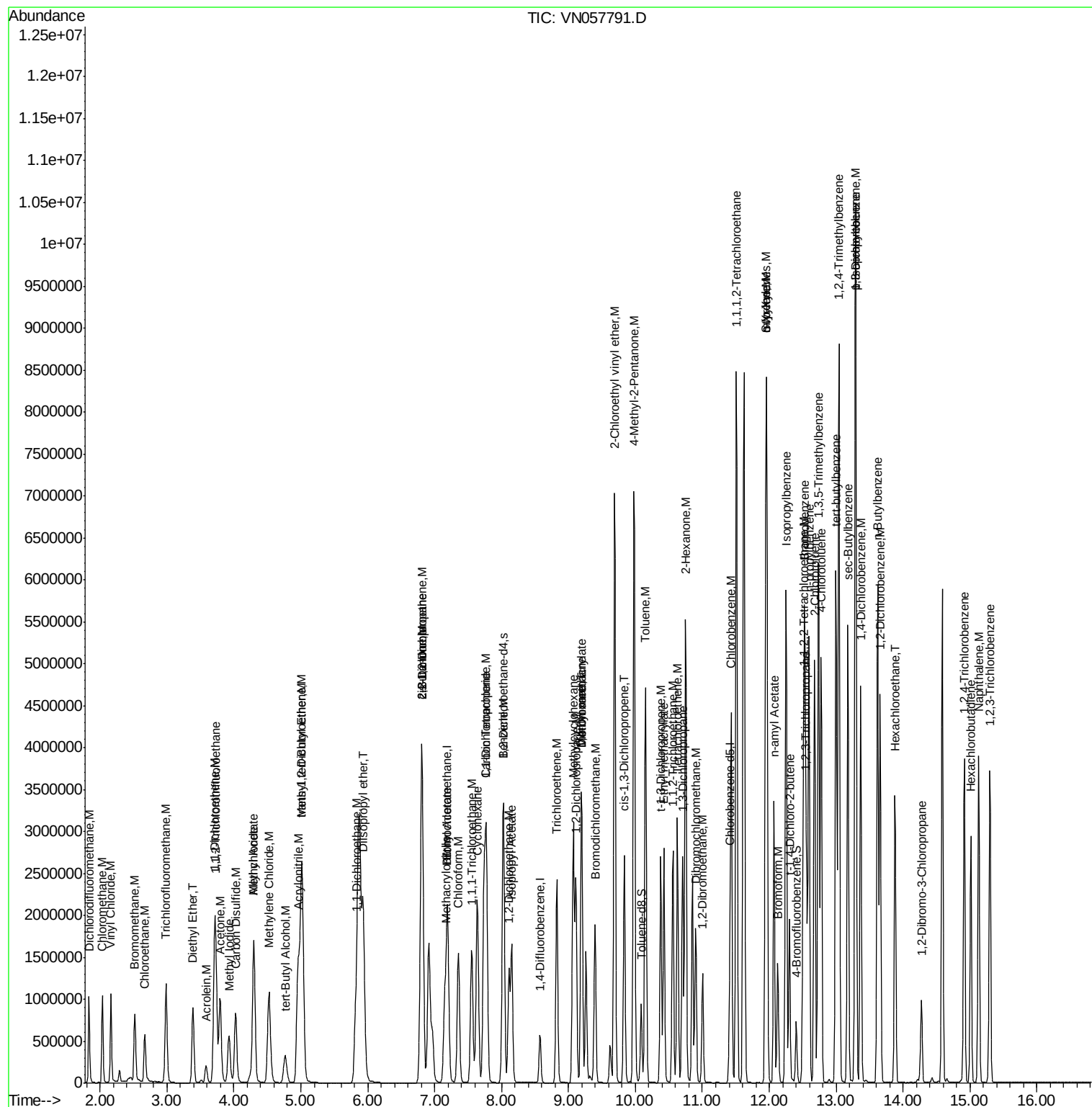
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1249601	160.635	ug/l	98
43) Ethyl Acetate	7.19	43	351149	49.521	ug/l	97
44) Isopropyl Acetate	8.15	43	1921380	156.484	ug/l #	92
45) 1,4-Dioxane	9.19	88	272540	2836.288	ug/l	98
46) Methyl methacrylate	9.19	41	935342	156.584	ug/l	98
47) n-amyl Acetate	12.07	43	1832124	163.185	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	1413624	170.692	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	1511779	162.698	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	851835	152.198	ug/l	99
51) Ethyl methacrylate	10.43	69	1385481	159.649	ug/l	97
52) 1,3-Dichloropropane	10.71	76	1490196	152.248	ug/l	100
53) Dibromochloromethane	10.90	129	941428	170.319	ug/l	100
54) 1,2-Dibromoethane	11.00	107	860371	154.501	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	3037292	736.547	ug/l	94
56) Bromoform	12.13	173	624563	182.395	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	4317083	622.621	ug/l #	83
59) 2-Hexanone	10.75	43	3432463	659.679	ug/l	88
61) Tetrachloroethene	10.63	164	688063	151.358	ug/l	98
62) Toluene	10.15	91	3401231	137.384	ug/l	90
64) Chlorobenzene	11.43	112	2280406	148.486	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	862367	161.723	ug/l	99
67) m/p-Xylenes	11.95	106	1567884	168.057	ug/l	92
68) o-Xylene	11.95	106	1567884	155.189	ug/l	83
69) Styrene	11.97	104	2640132	153.268	ug/l	97
70) Isopropylbenzene	12.25	105	3538975	132.497	ug/l	87
71) 1,1,2,2-Tetrachloroethane	12.51	83	1257563	150.650	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	1635723	223.923	ug/l	70
73) Bromobenzene	12.53	156	995442	155.670	ug/l	98
74) n-propylbenzene	12.59	91	3854616	126.314	ug/l	85
75) 2-Chlorotoluene	12.68	91	2790332	146.802	ug/l	96
76) 1,3,5-Trimethylbenzene	12.73	105	3172540	139.488	ug/l	89
77) t-1,4-Dichloro-2-butene	12.30	75	412570	187.699	ug/l	84
78) 4-Chlorotoluene	12.78	91	2898020	149.473	ug/l	97
79) tert-butylbenzene	13.00	119	2911358	146.726	ug/l	95
80) 1,2,4-Trimethylbenzene	13.04	105	3133959	138.291	ug/l	88
81) sec-Butylbenzene	13.17	105	3505444	133.153	ug/l	90
82) p-Isopropyltoluene	13.29	119	3214028	136.322	ug/l	89
83) 1,3-Dichlorobenzene	13.29	146	1857044	156.239	ug/l	97
84) 1,4-Dichlorobenzene	13.37	146	1844841	157.652	ug/l	98
85) n-Butylbenzene	13.62	91	3122852	142.124	ug/l	86
86) Hexachloroethane	13.88	117	647644	172.459	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	1789010	155.058	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	237270	161.434	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	1158840	164.423	ug/l	98
90) Hexachlorobutadiene	15.01	225	513828	158.745	ug/l	99
91) Naphthalene	15.13	128	3001016	154.752	ug/l	96
92) 1,2,3-Trichlorobenzene	15.30	180	1105618	164.488	ug/l	99

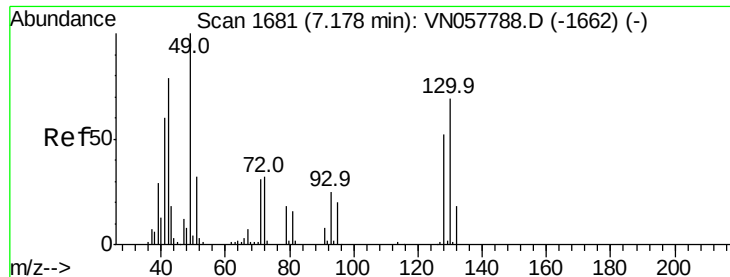
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

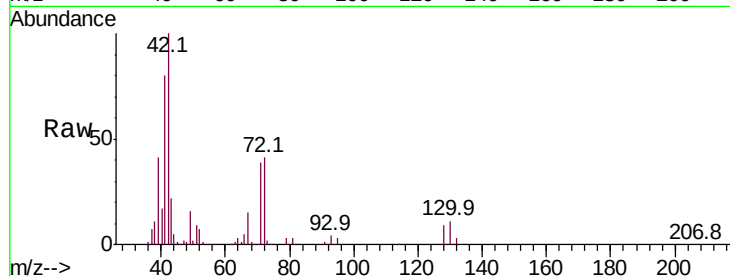
Tot Ion:128 Resp: 84374

Ion Ratio Lower Upper

128 100

49 197.7 0.0 486.5

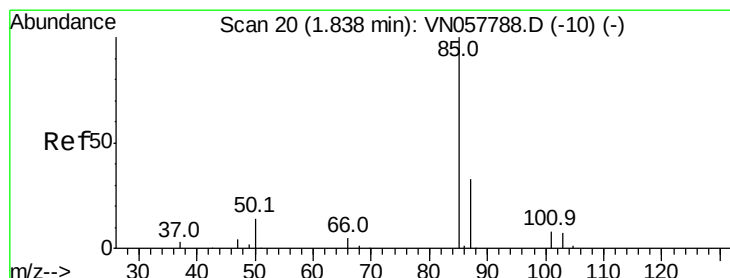
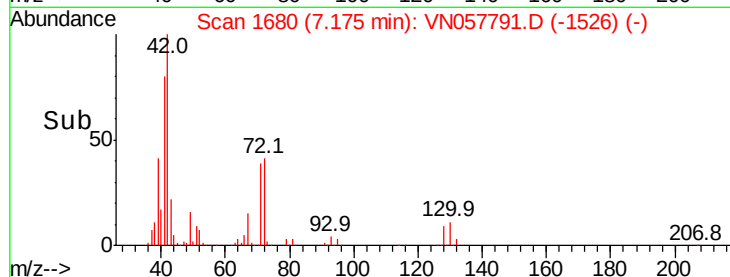
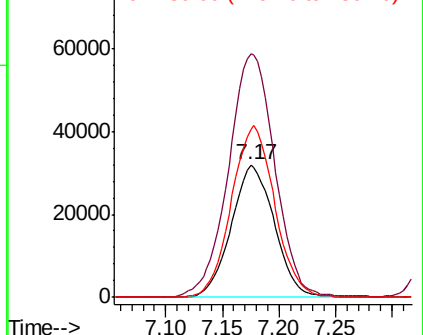
130 130.6 0.0 324.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 151.956 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN057791.D

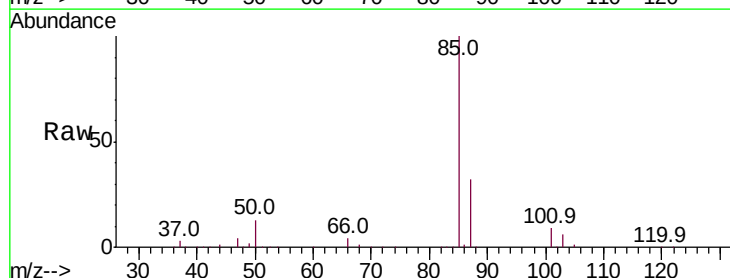
Acq: 9 Sep 2019 10:40

Tgt Ion: 85 Resp: 774637

Ion Ratio Lower Upper

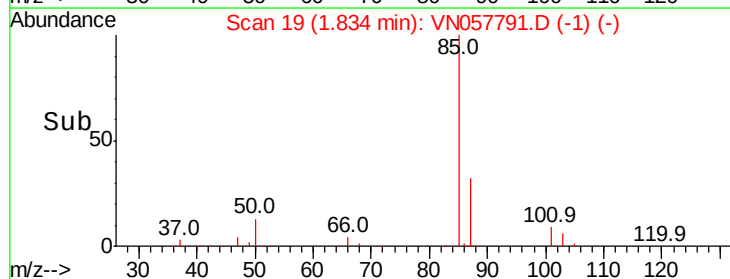
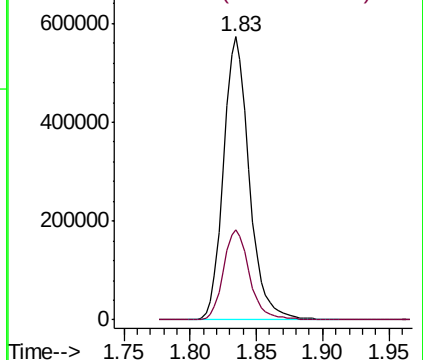
85 100

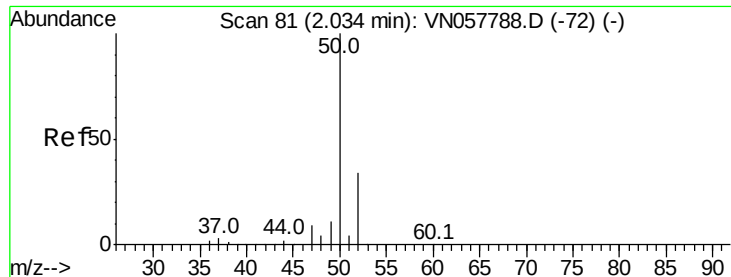
87 32.0 16.4 49.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 136.805 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

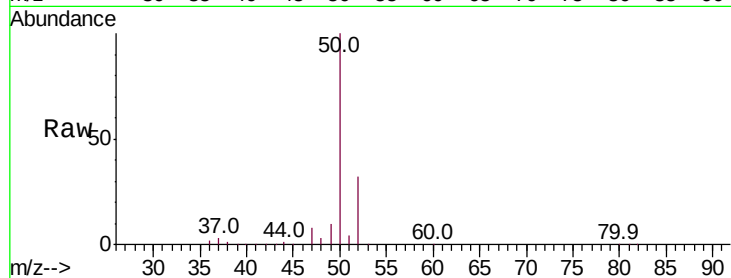
VSTDIC150

Tot Ion: 50 Resp: 869600

Ion Ratio Lower Upper

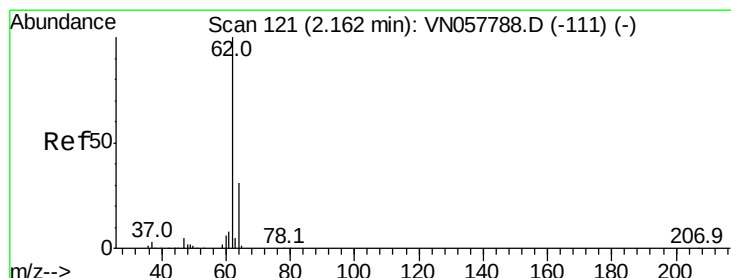
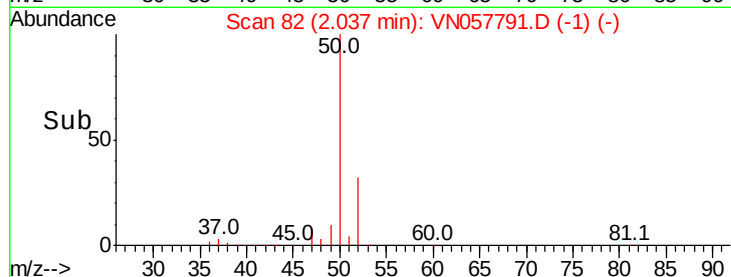
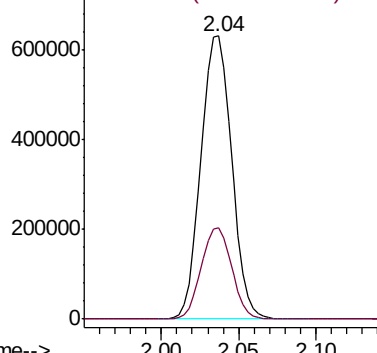
50 100

52 32.2 26.9 40.3



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 140.878 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN057791.D

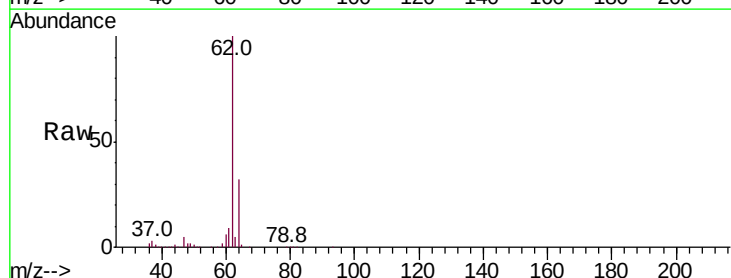
Acq: 9 Sep 2019 10:40

Tgt Ion: 62 Resp: 916203

Ion Ratio Lower Upper

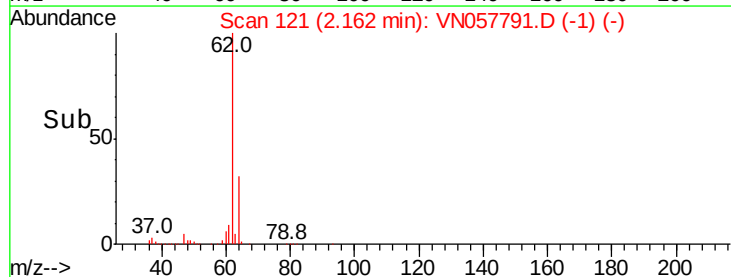
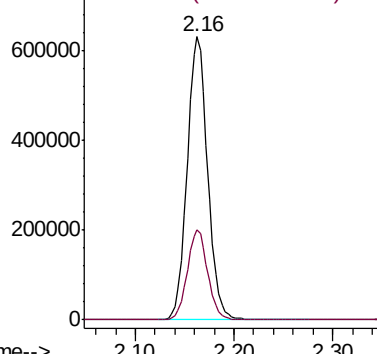
62 100

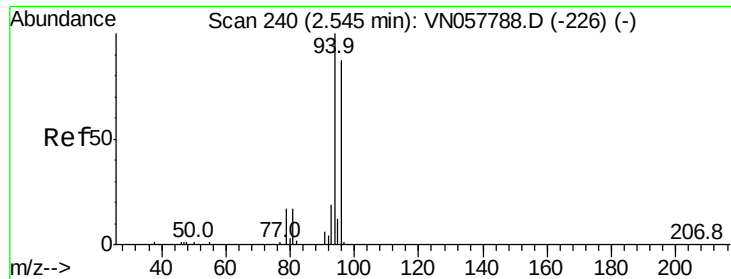
64 31.8 25.0 37.6



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 132.965 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.03 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

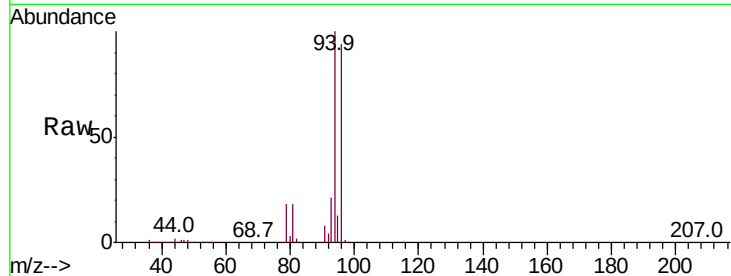
VSTDIC150

Tot Ion: 94 Resp: 542179

Ion Ratio Lower Upper

94 100

96 94.0 69.2 103.8



Abundance Ion 94.00 (93.70 to 94.70): VN057791.D (-232) (-)

Ion 96.00 (95.70 to 96.70): VN057791.D (-232) (-)

2.52

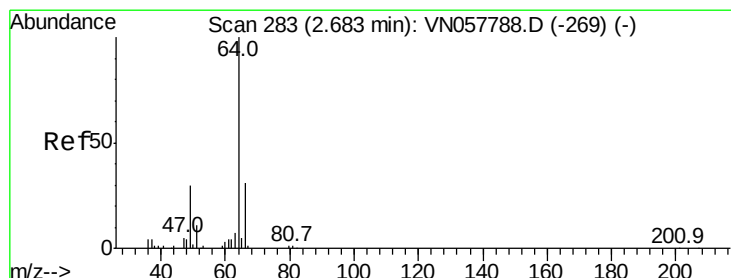
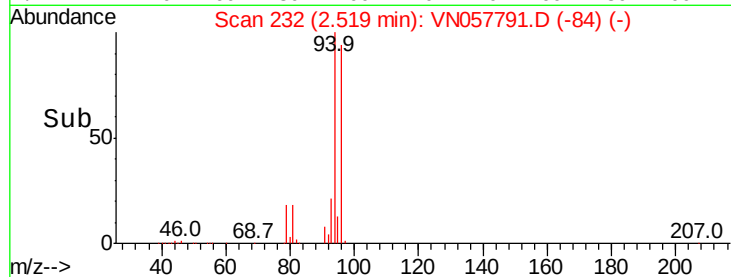
300000

200000

100000

0

Time-->



#6

Chloroethane

Concen: 135.178 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.02 min

Lab File: VN057791.D

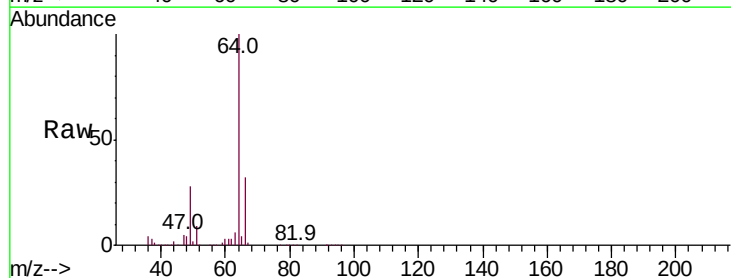
Acq: 9 Sep 2019 10:40

Tgt Ion: 64 Resp: 546360

Ion Ratio Lower Upper

64 100

66 31.7 24.4 36.6



Abundance Ion 64.00 (63.70 to 64.70): VN057791.D (-278) (-)

Ion 66.00 (65.70 to 66.70): VN057791.D (-278) (-)

2.67

300000

250000

200000

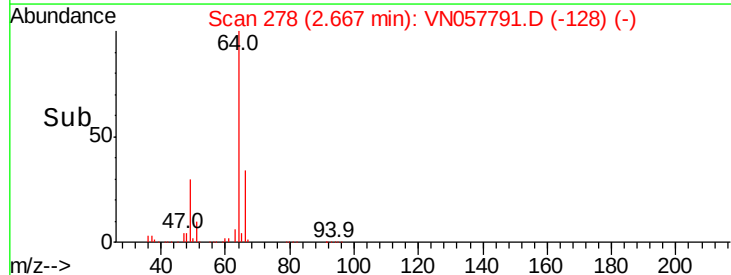
150000

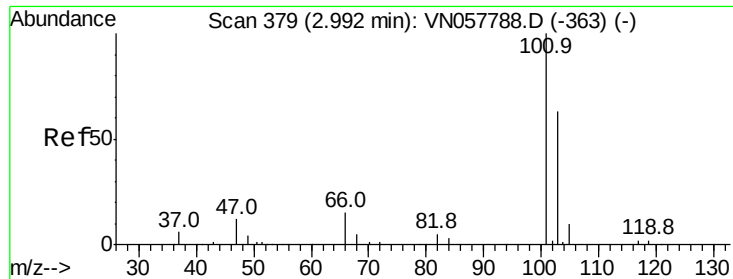
100000

50000

0

Time-->



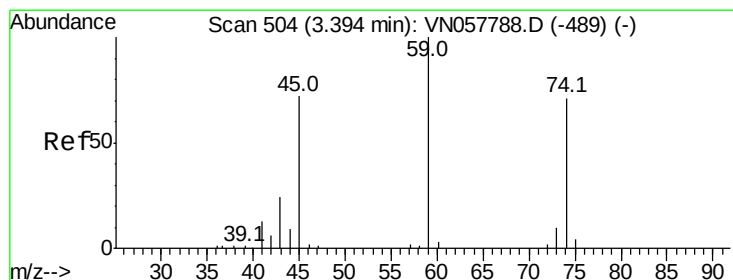
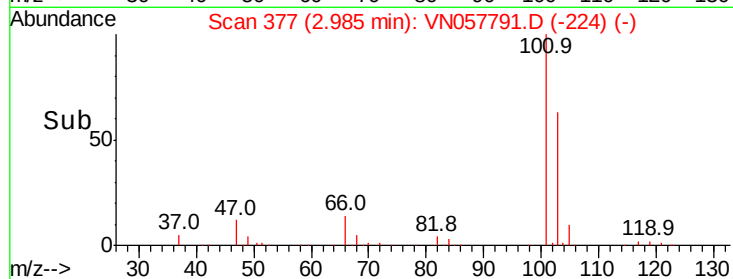
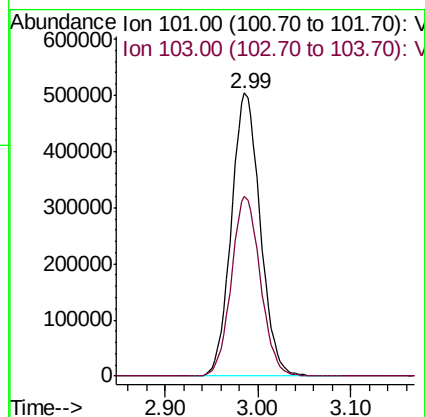
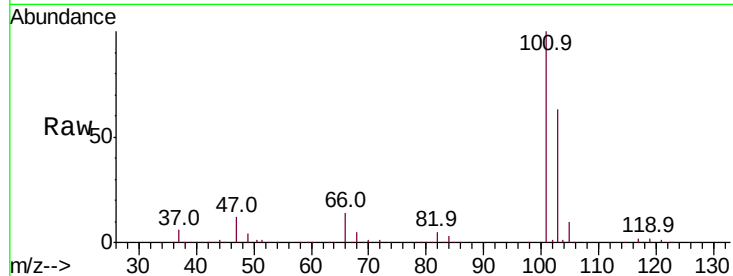


#7

Trichlorofluoromethane
 Concen: 145.066 ug/l
 RT: 2.99 min Scan# 377
 Delta R.T. -0.01 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Instrument :
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 VSTDIC150

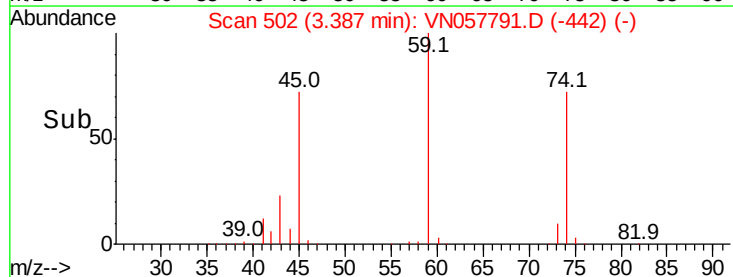
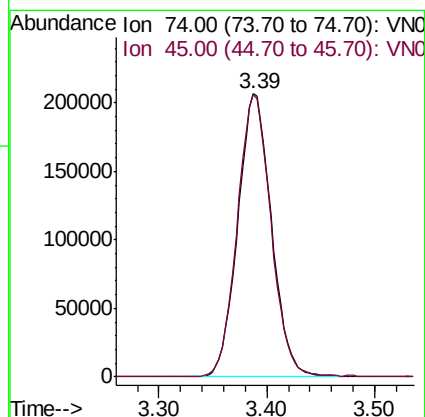
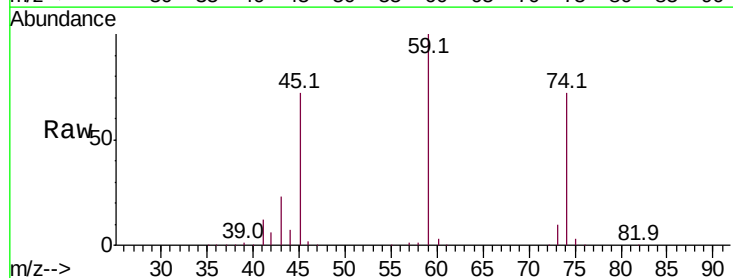
Tot Ion:101 Resp: 1089974
 Ion Ratio Lower Upper
 101 100
 103 63.3 50.2 75.2

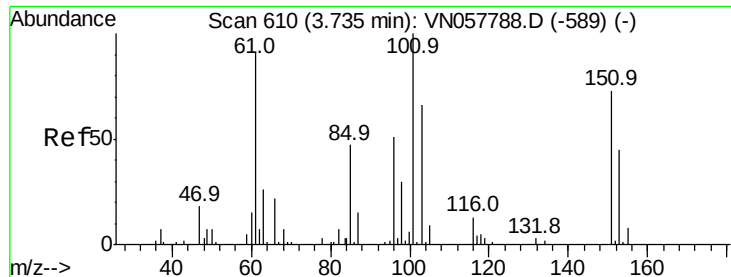


#8

Diethyl Ether
 Concen: 148.060 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.01 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Tgt Ion: 74 Resp: 448781
 Ion Ratio Lower Upper
 74 100
 45 99.5 20.3 182.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 143.091 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

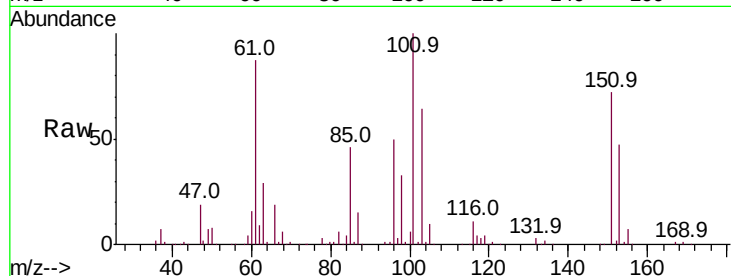
Tot Ion:101 Resp: 671342

Ion Ratio Lower Upper

101 100

85 46.5 0.0 94.0

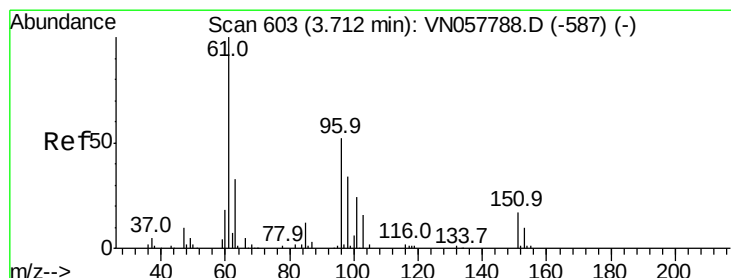
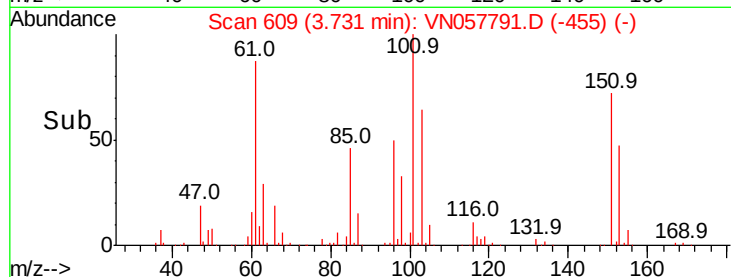
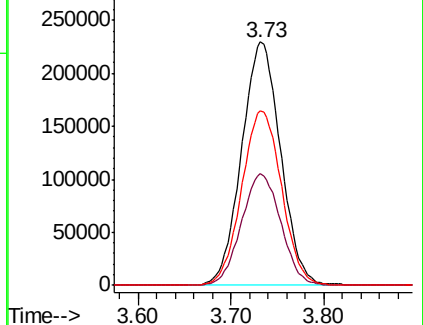
151 73.3 0.0 144.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 143.915 ug/l

RT: 3.71 min Scan# 602

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

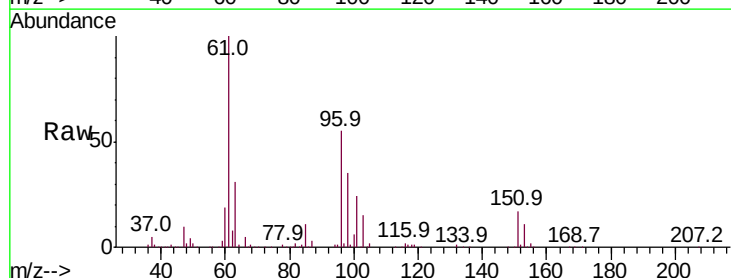
Tgt Ion: 96 Resp: 642070

Ion Ratio Lower Upper

96 100

61 180.7 153.4 230.0

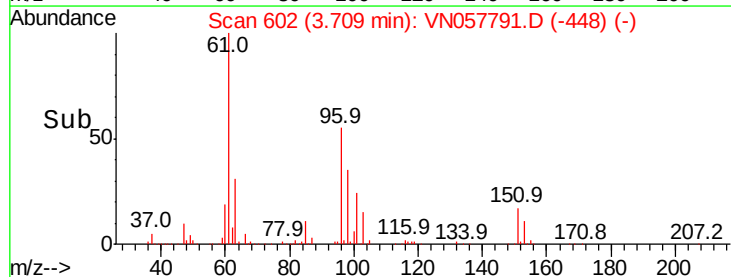
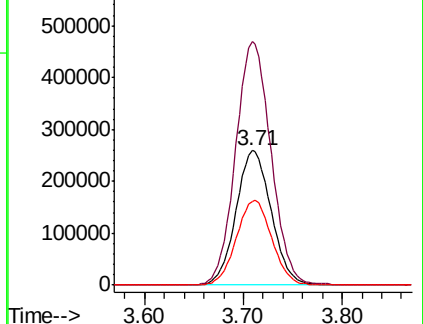
98 62.5 51.5 77.3

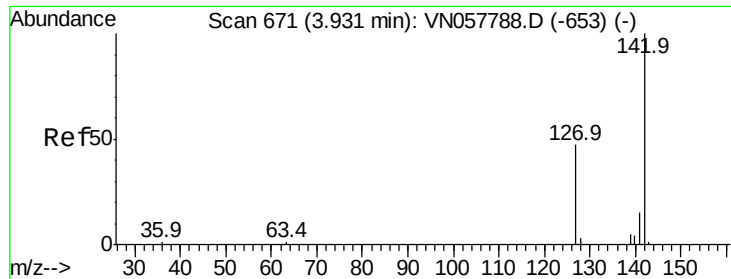


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

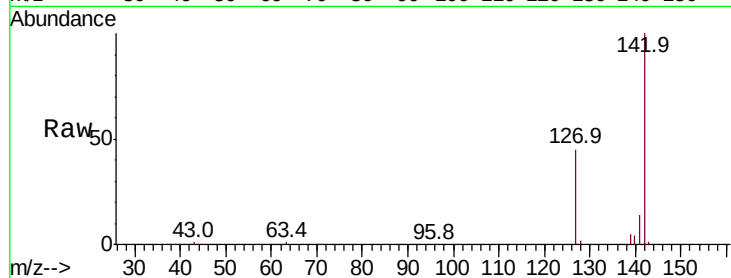




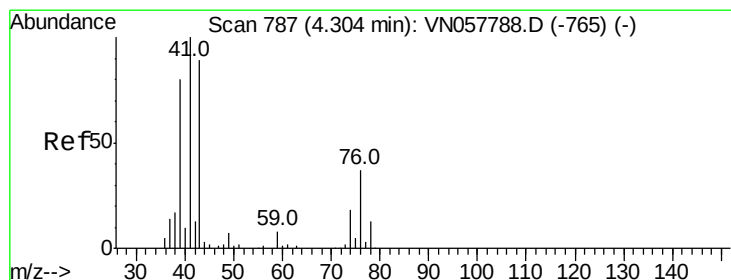
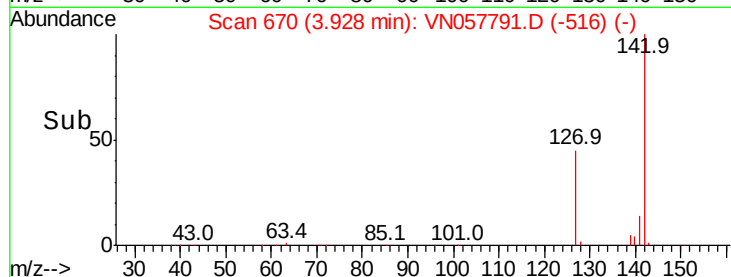
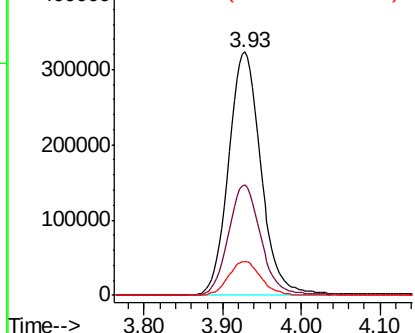
#11
Methyl Iodide
Concen: 155.346 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:142 Resp: 927265
Ion Ratio Lower Upper
142 100
127 45.1 23.3 69.8
141 13.9 7.5 22.6

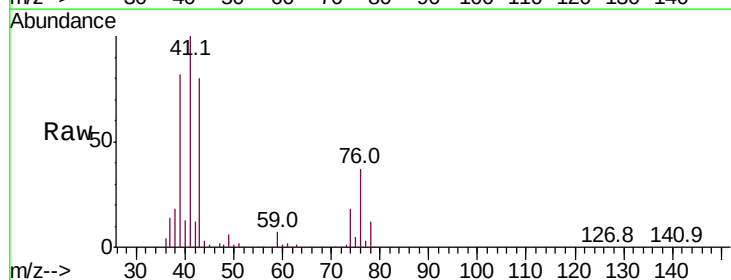


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

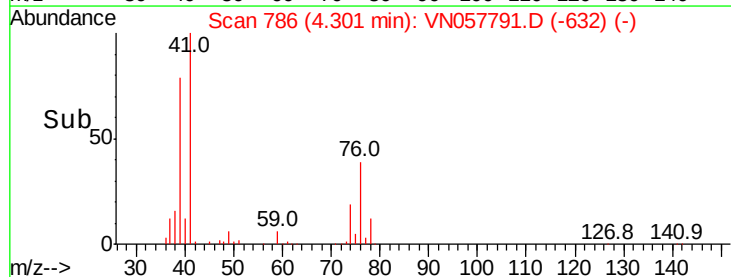
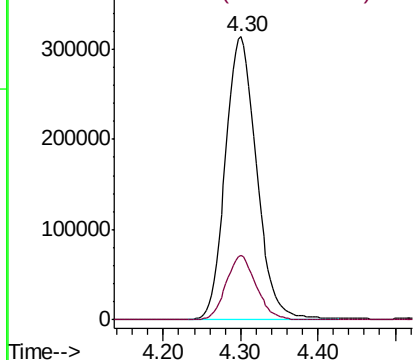


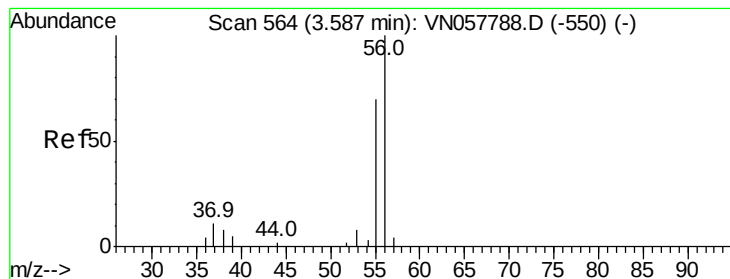
#12
Methyl Acetate
Concen: 142.533 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion: 43 Resp: 873859
Ion Ratio Lower Upper
43 100
74 22.8 16.2 24.4



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





#13

Acrolein

Concen: 664.686 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

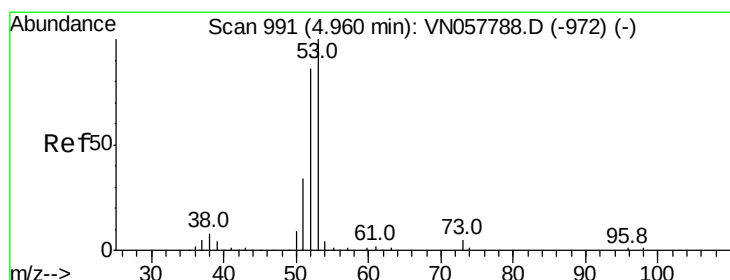
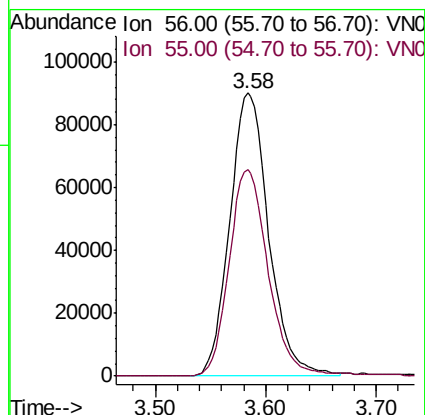
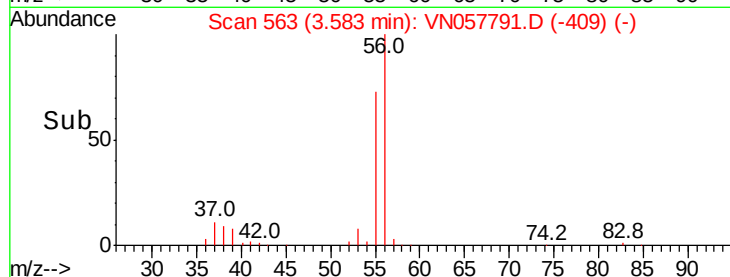
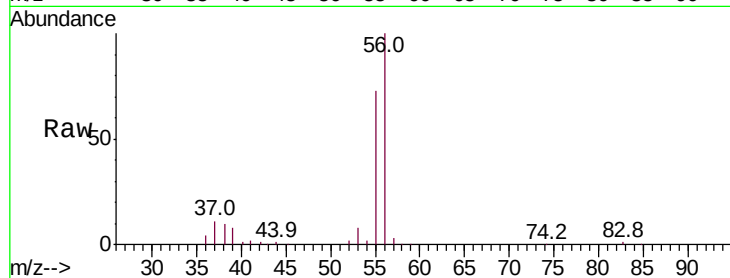
VSTDIC150

Tot Ion: 56 Resp: 220805

Ion Ratio Lower Upper

56 100

55 72.1 59.0 88.4



#14

Acrylonitrile

Concen: 731.719 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

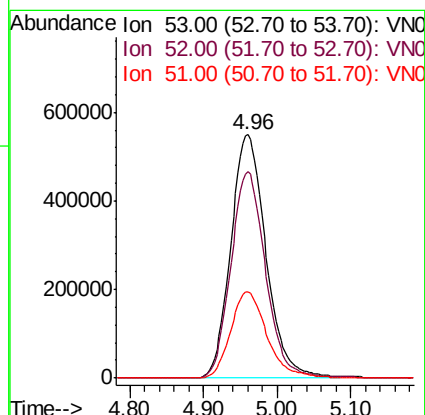
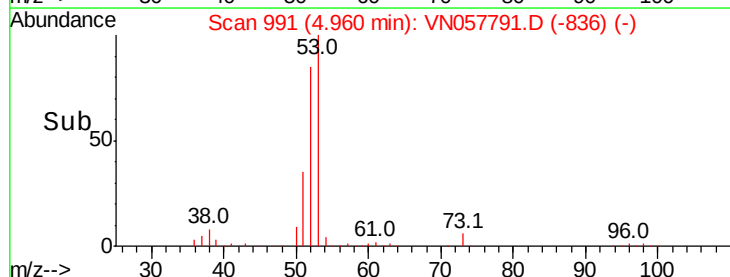
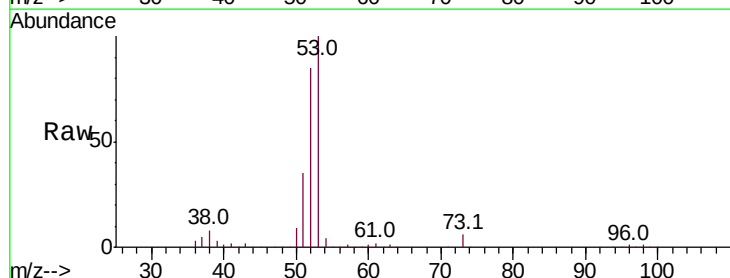
Tgt Ion: 53 Resp: 1826321

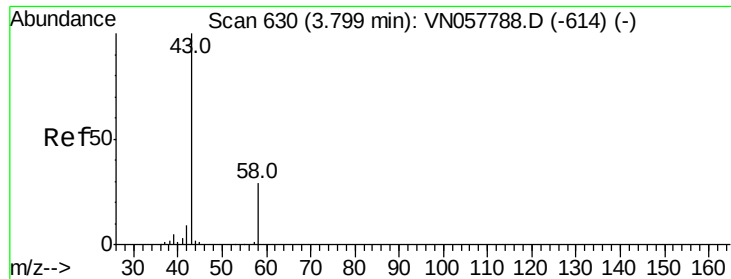
Ion Ratio Lower Upper

53 100

52 83.7 41.0 123.0

51 36.8 8.6 25.8#





#15

Acetone

Concen: 664.953 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

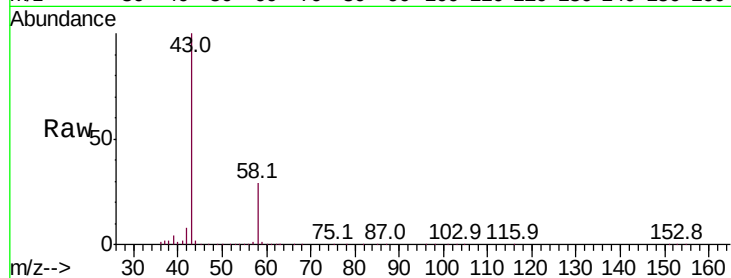
VSTDIC150

Tot Ion: 58 Resp: 471180

Ion Ratio Lower Upper

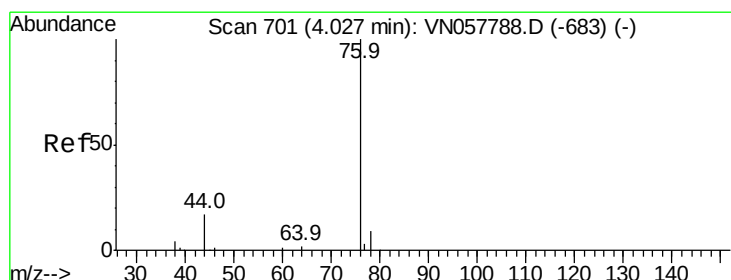
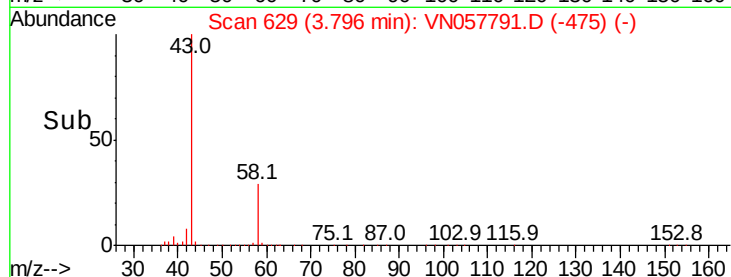
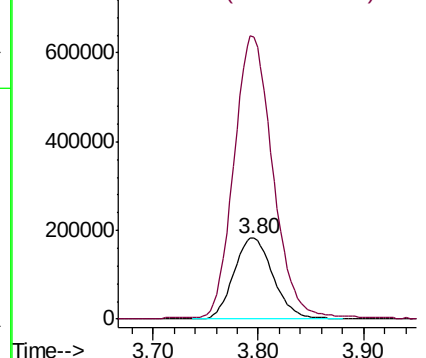
58 100

43 347.3 277.7 416.5



Abundance Ion 58.00 (57.70 to 58.70): VN057788.D (-614) (-)

Ion 43.00 (42.70 to 43.70): VN057788.D (-614) (-)



#16

Carbon Disulfide

Concen: 155.230 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN057791.D

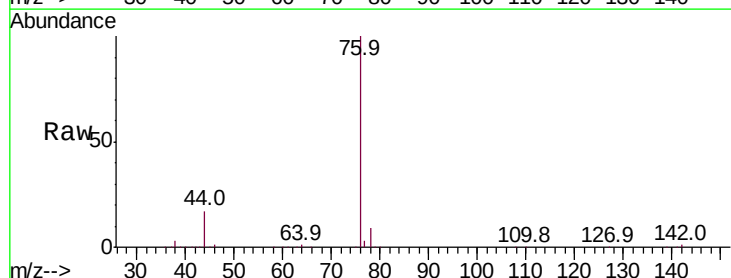
Acq: 9 Sep 2019 10:40

Tgt Ion: 76 Resp: 1612677

Ion Ratio Lower Upper

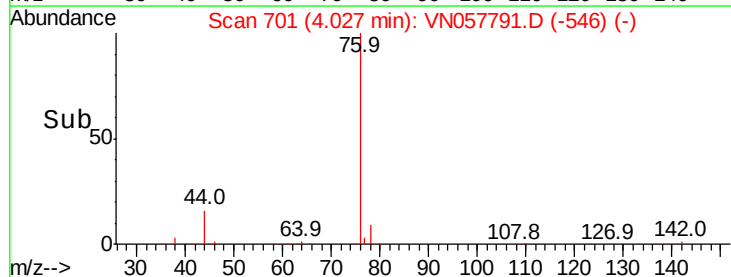
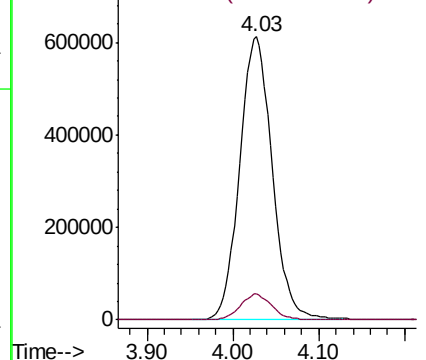
76 100

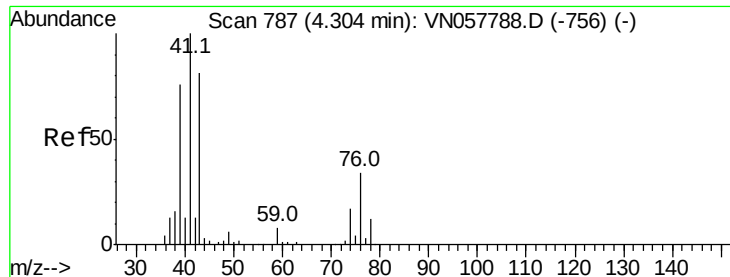
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN057788.D (-683) (-)

Ion 78.00 (77.70 to 78.70): VN057788.D (-683) (-)





#17

Allvl chloride

Concen: 153.707 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.01 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

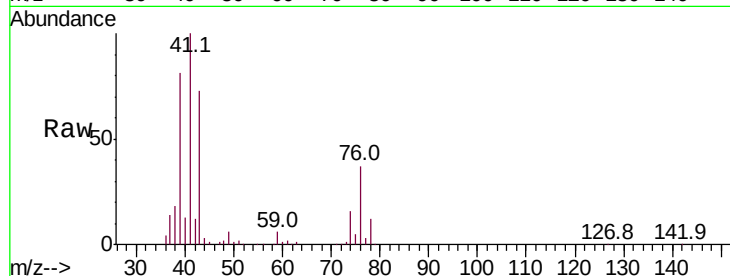
Tot Ion: 41 Resp: 1256580

Ion Ratio Lower Upper

41 100

39 80.8 38.5 115.3

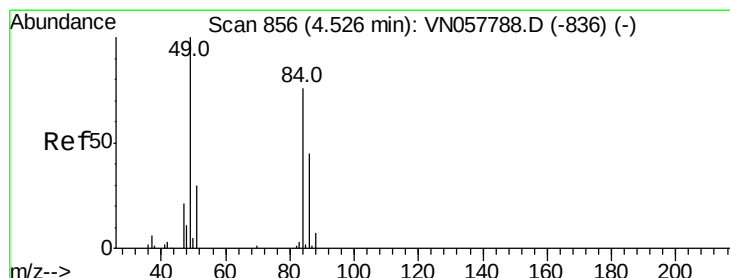
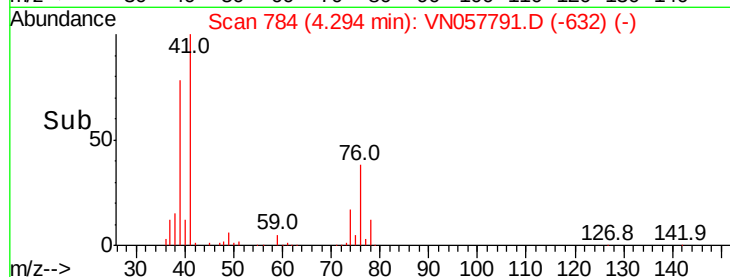
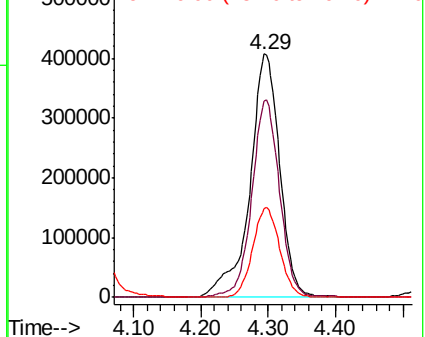
76 36.4 17.2 51.6



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 76.00 (75.70 to 76.70): VNO



#18

Methylene Chloride

Concen: 142.036 ug/l

RT: 4.53 min Scan# 856

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Tgt Ion: 84 Resp: 798538

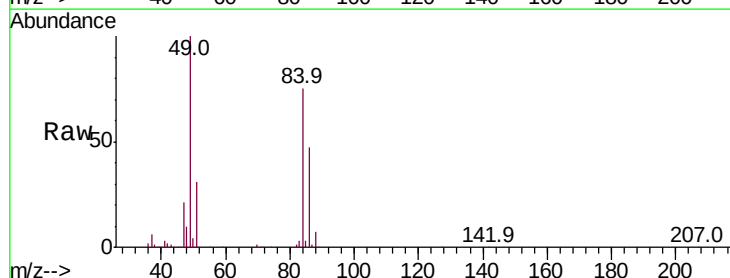
Ion Ratio Lower Upper

84 100

49 133.7 105.4 158.2

51 41.0 31.3 46.9

86 63.2 47.3 70.9

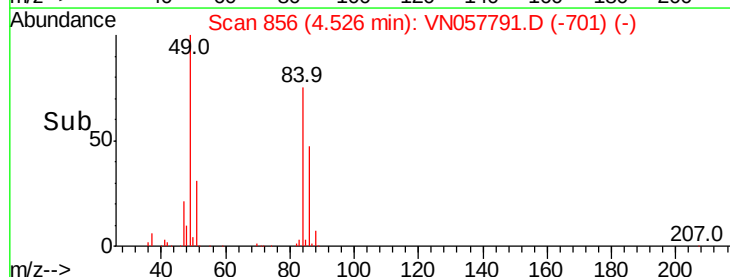
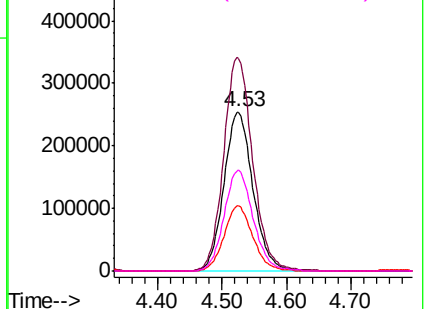


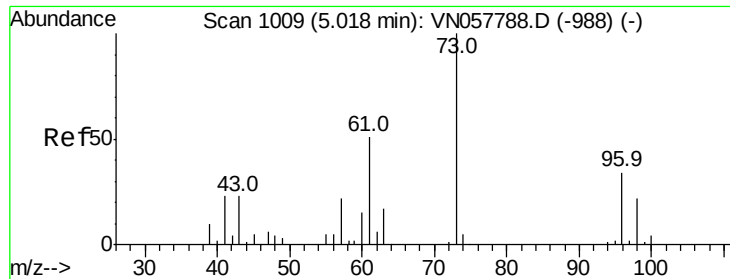
Abundance Ion 84.00 (83.70 to 84.70): VNO

Ion 49.00 (48.70 to 49.70): VNO

Ion 51.00 (50.70 to 51.70): VNO

Ion 86.00 (85.70 to 86.70): VNO

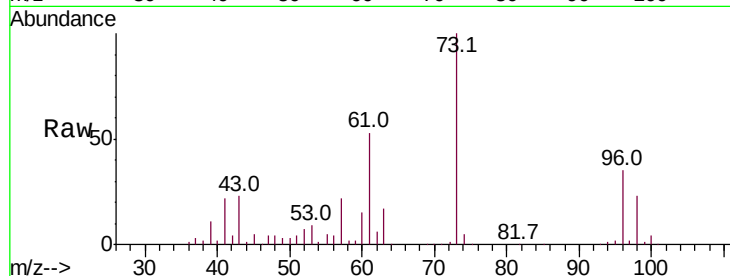




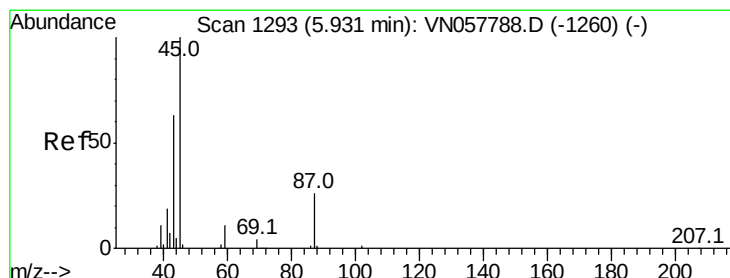
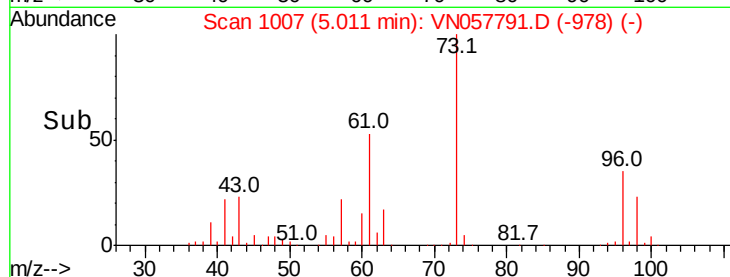
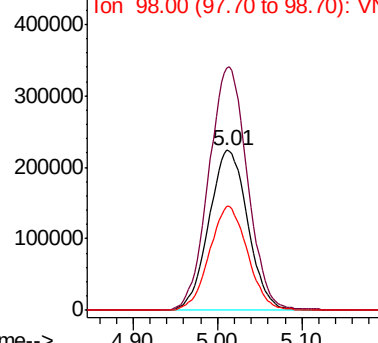
#19
trans-1,2-Dichloroethene
Concen: 144.062 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 96 Resp: 716339
Ion Ratio Lower Upper
96 100
61 151.6 121.0 181.6
98 64.9 52.7 79.1

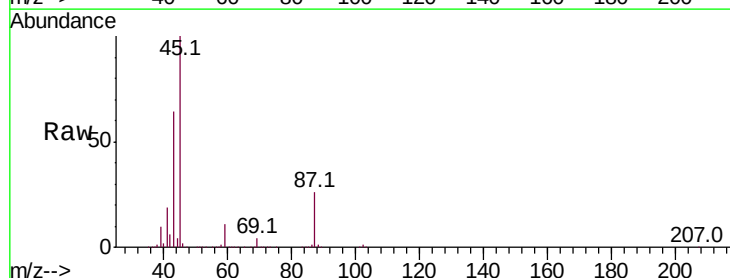


Abundance Ion 96.00 (95.70 to 96.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

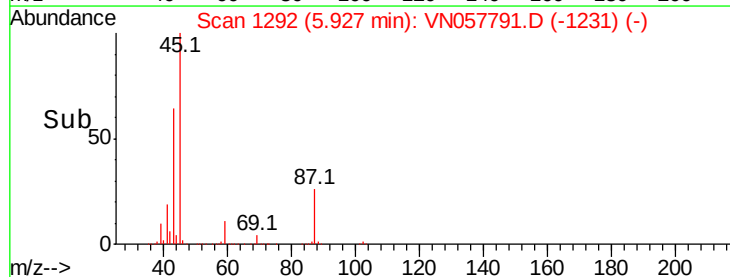
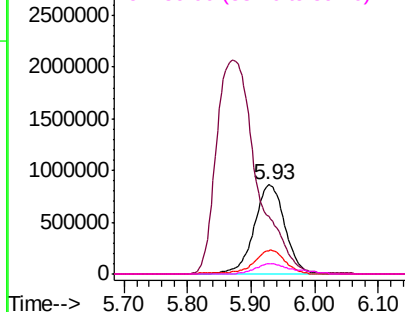


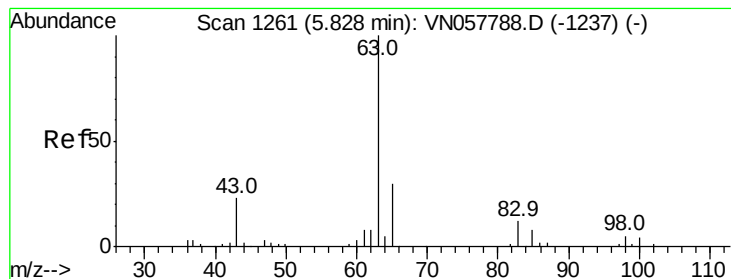
#20
Diisopropyl ether
Concen: 152.183 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion: 45 Resp: 2908548
Ion Ratio Lower Upper
45 100
43 63.8 55.2 82.8
87 26.4 21.3 31.9
59 11.1 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





#21

1,1-Dichloroethane

Concen: 145.842 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

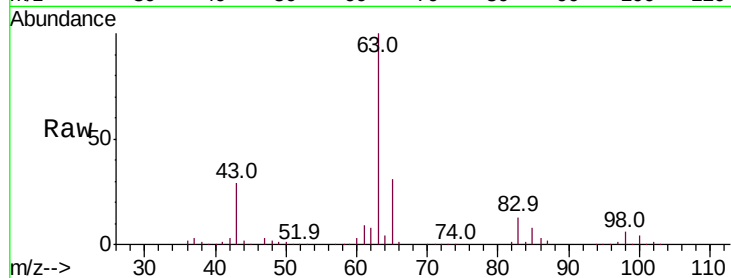
Tot Ion: 63 Resp: 1536931

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.3

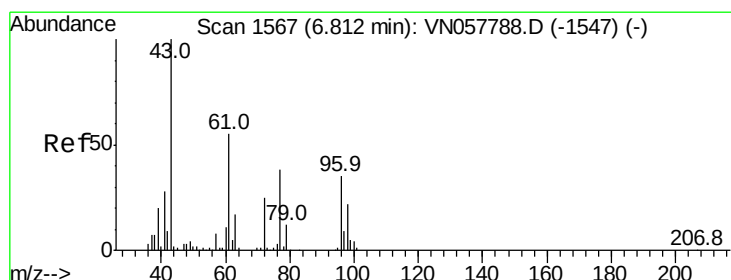
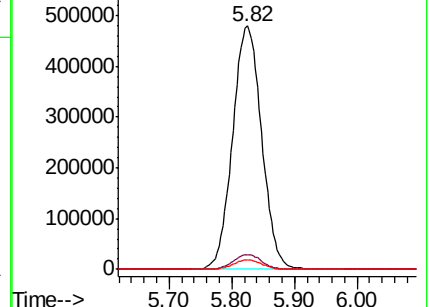
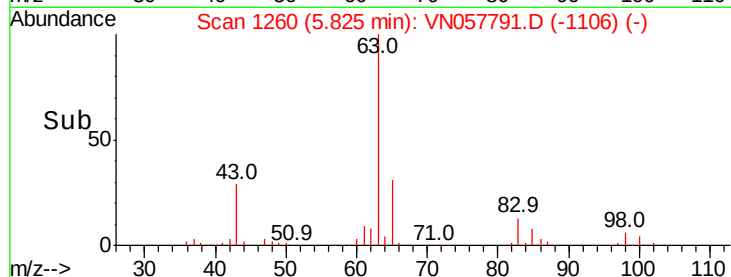
100 3.7 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN057788.D (-1237) (-)

Ion 98.00 (97.70 to 98.70): VN057788.D (-1237) (-)

Ion 100.00 (99.70 to 100.70): VN057788.D (-1237) (-)



#22

cis-1,2-Dichloroethene

Concen: 147.113 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

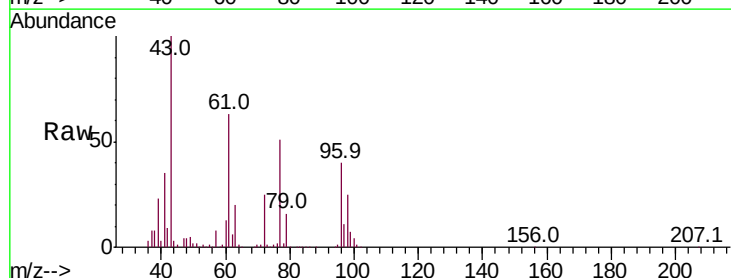
Tgt Ion: 96 Resp: 896283

Ion Ratio Lower Upper

96 100

61 158.9 127.4 191.0

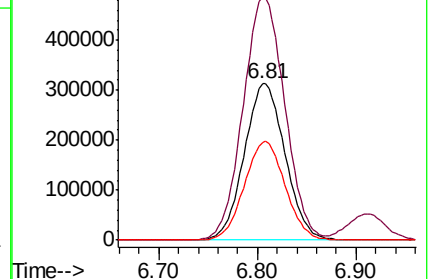
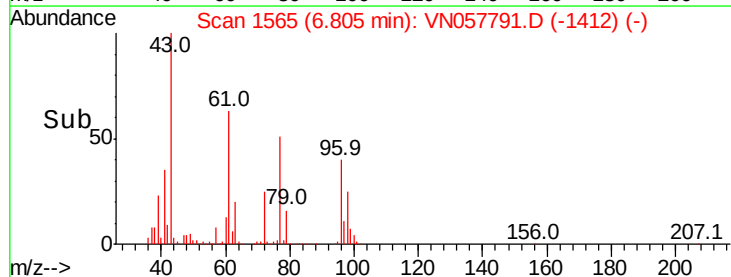
98 63.7 51.5 77.3

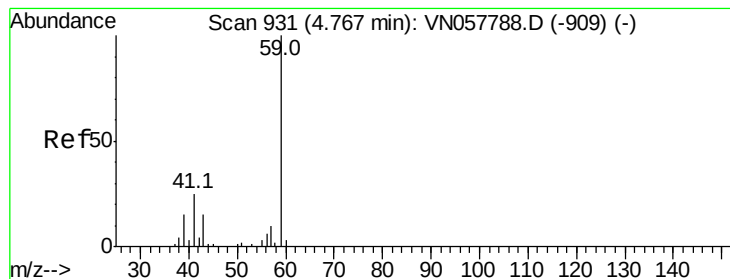


Abundance Ion 96.00 (95.70 to 96.70): VN057788.D (-1547) (-)

Ion 61.00 (60.70 to 61.70): VN057788.D (-1547) (-)

Ion 98.00 (97.70 to 98.70): VN057788.D (-1547) (-)



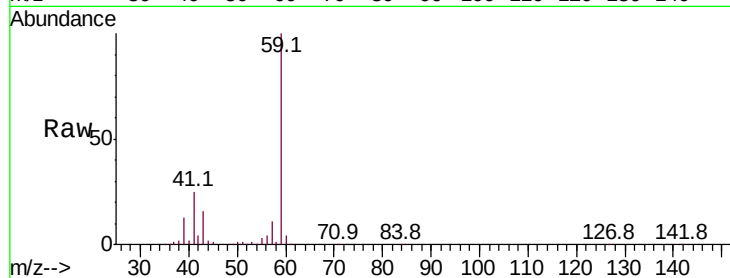


#23

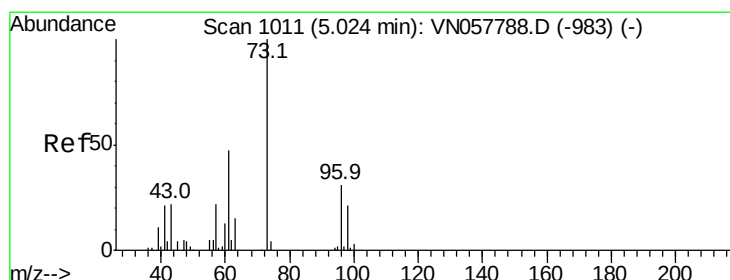
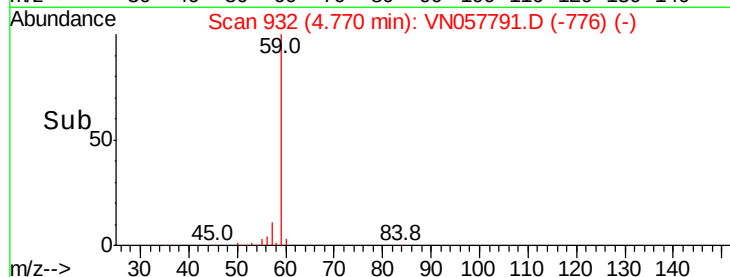
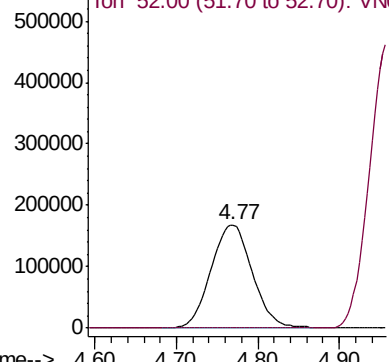
tert-Butyl Alcohol
Concen: 725.326 ug/l
RT: 4.77 min Scan# 932
Delta R.T. 0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 59 Resp: 591008
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0#



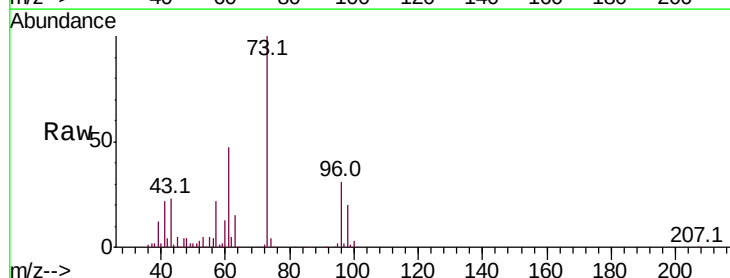
Abundance Ion 59.00 (58.70 to 59.70): VN057788.D (-909) (-)
Ion 52.00 (51.70 to 52.70): VN057788.D (-909) (-)



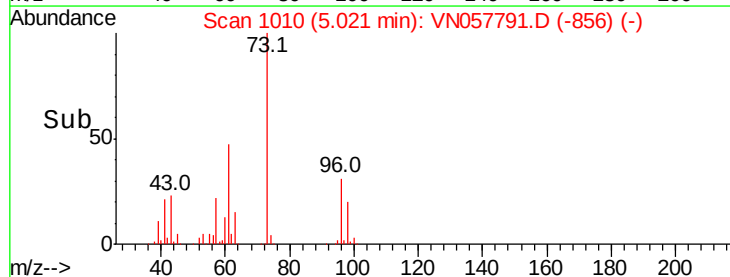
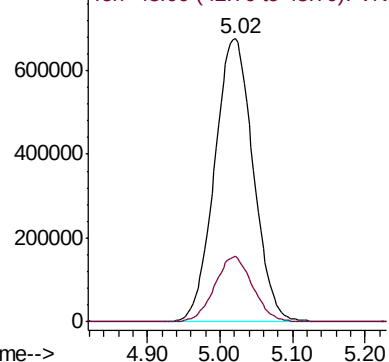
#24

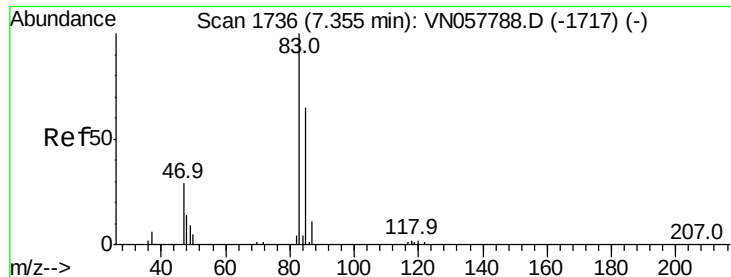
Methyl tert-Butyl Ether
Concen: 146.389 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion: 73 Resp: 2502962
Ion Ratio Lower Upper
73 100
43 22.6 0.0 0.0#



Abundance Ion 73.00 (72.70 to 73.70): VN057788.D (-983) (-)
Ion 43.00 (42.70 to 43.70): VN057788.D (-983) (-)

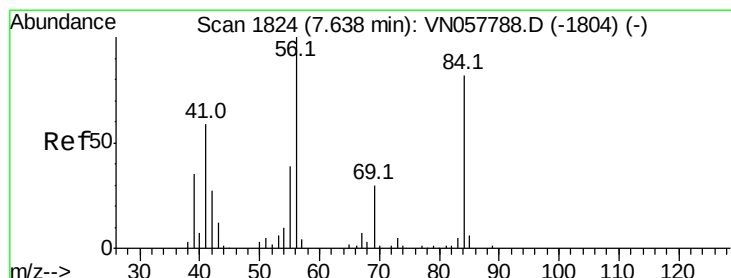
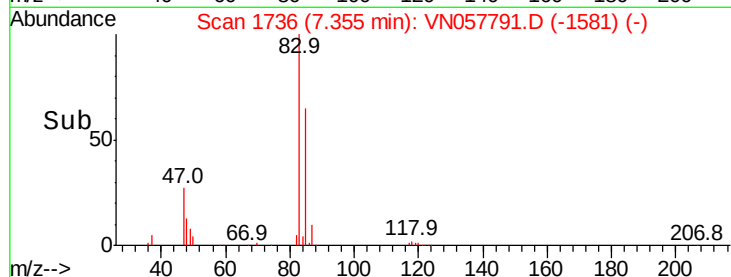
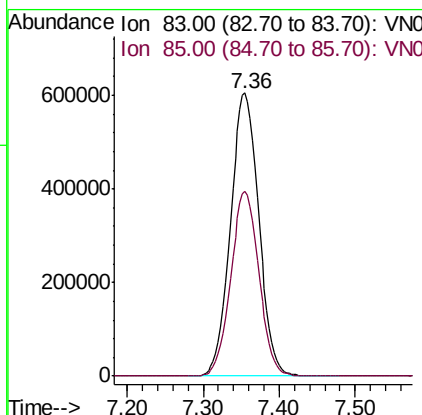
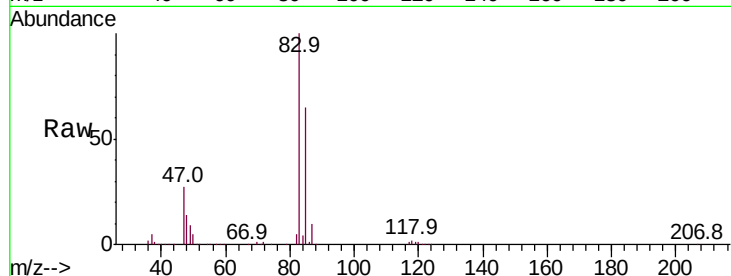




#25
Chloroform
Concen: 145.776 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

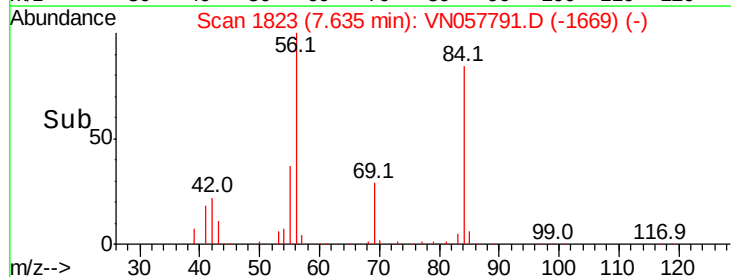
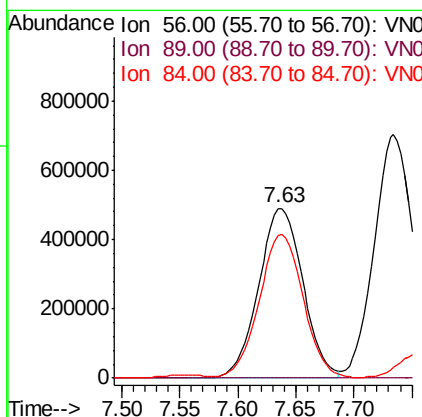
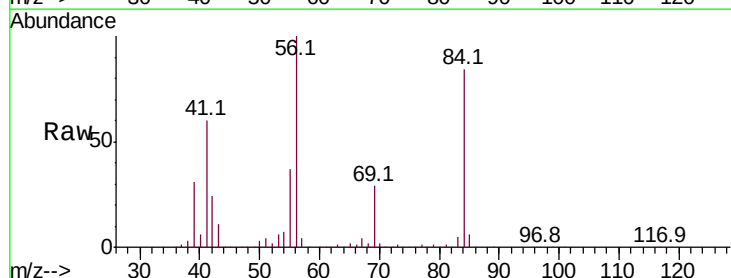
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

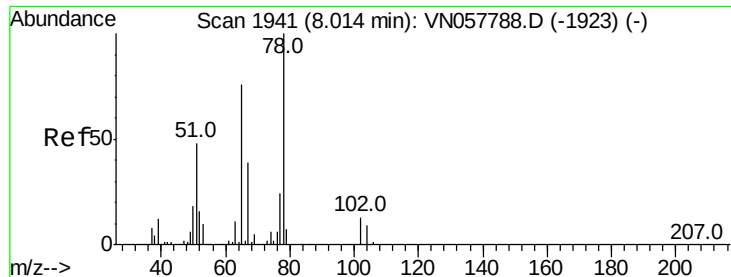
Tot Ion: 83 Resp: 1564017
Ion Ratio Lower Upper
83 100
85 65.4 51.8 77.6



#26
Cyclohexane
Concen: 147.080 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion: 56 Resp: 1302307
Ion Ratio Lower Upper
56 100
89 0.4 0.3 0.5
84 84.4 66.6 100.0





#27

1,2-Dichloroethane-d4

Concen: 28.707 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampled :

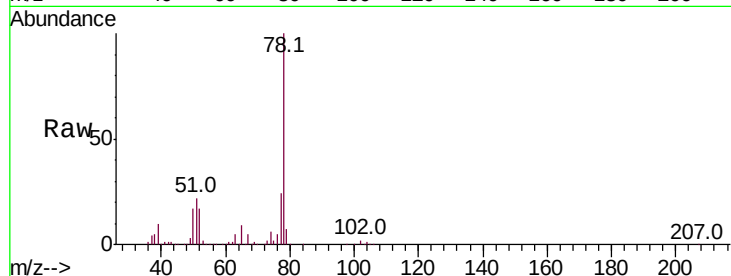
VSTDIC150

Tot Ion: 65 Resp: 214249

Ion Ratio Lower Upper

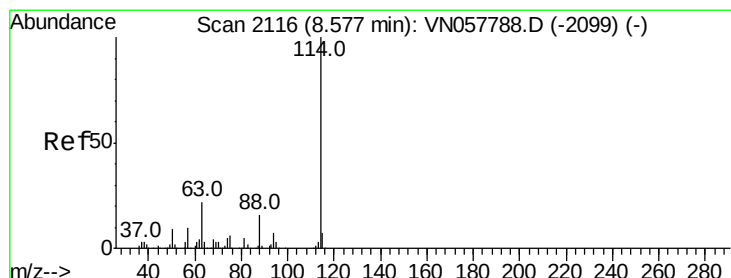
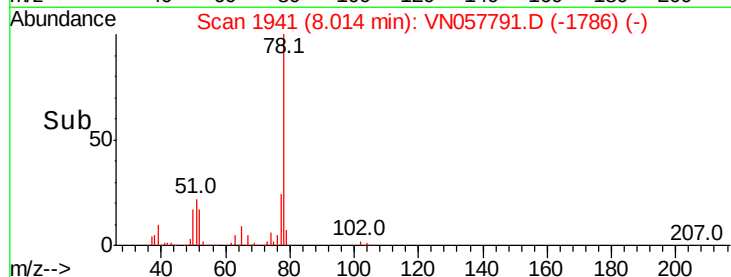
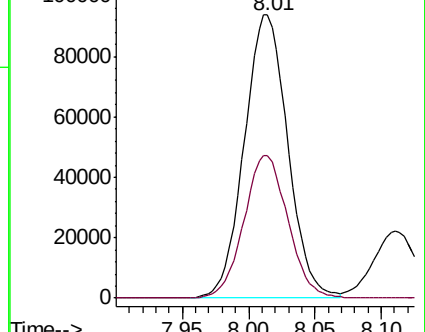
65 100

67 51.0 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

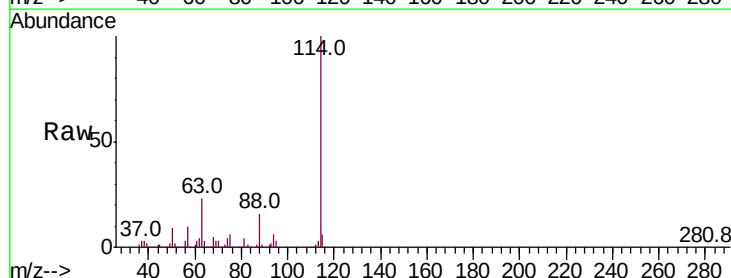
Tgt Ion: 114 Resp: 484633

Ion Ratio Lower Upper

114 100

63 22.7 18.0 27.0

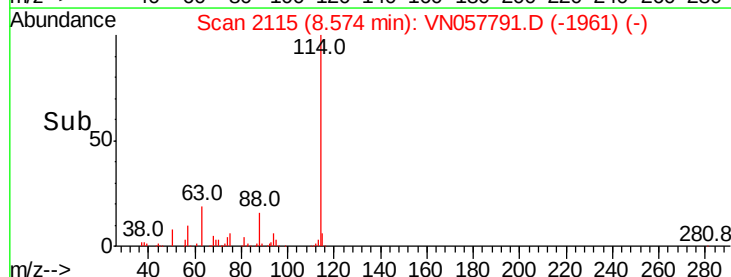
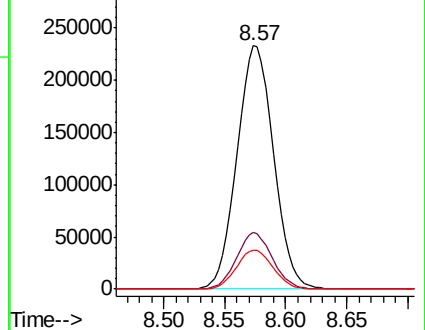
88 16.0 12.6 19.0

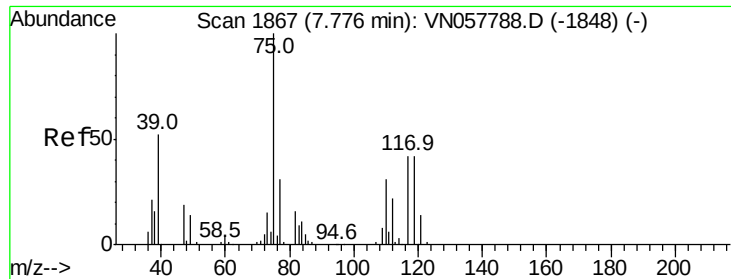


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0



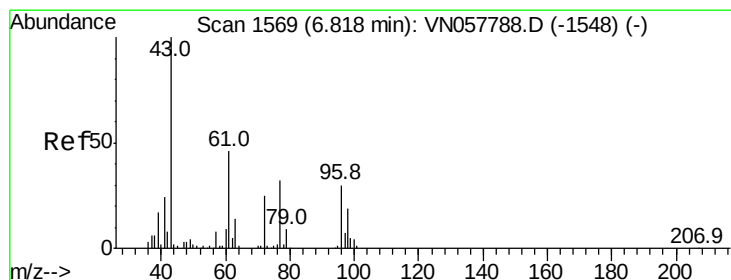
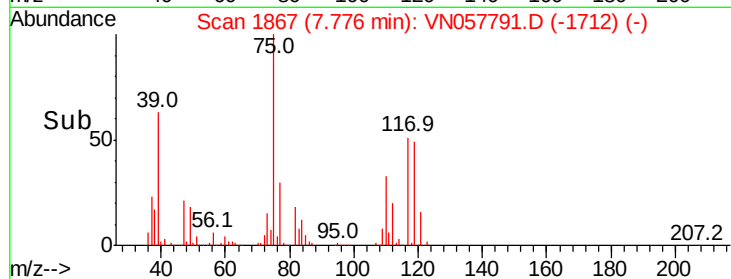
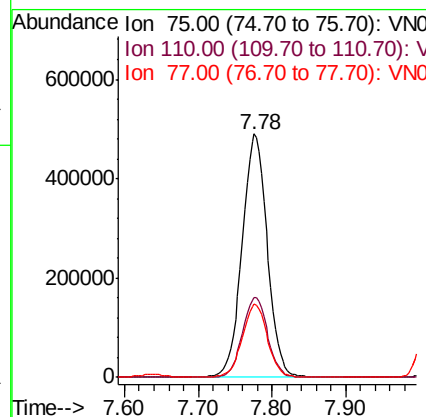
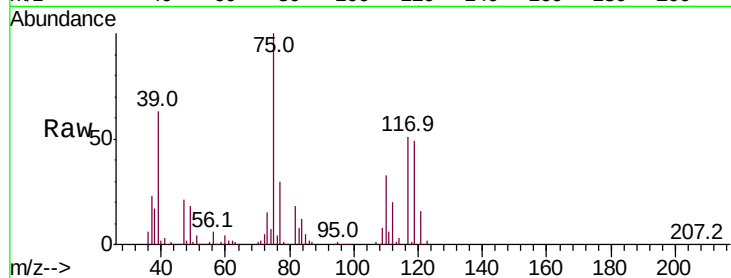


#29
 1,1-Dichloropropene
 Concen: 152.983 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 75 Resp: 1166327

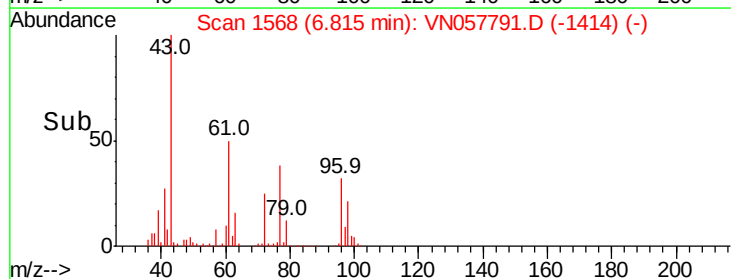
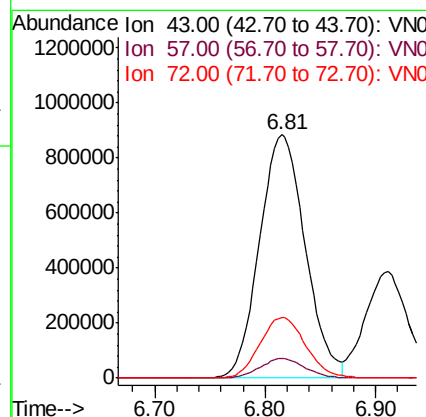
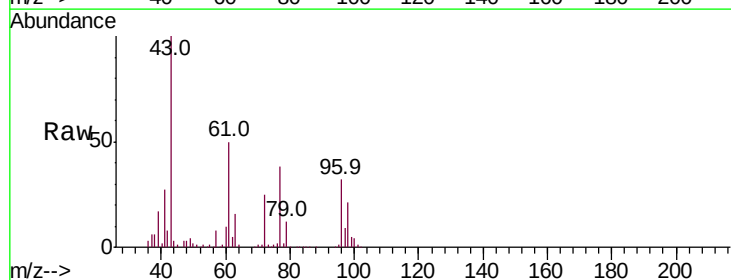
Ion	Ratio	Lower	Upper
75	100		
110	32.8	0.0	63.8
77	30.1	0.0	60.0

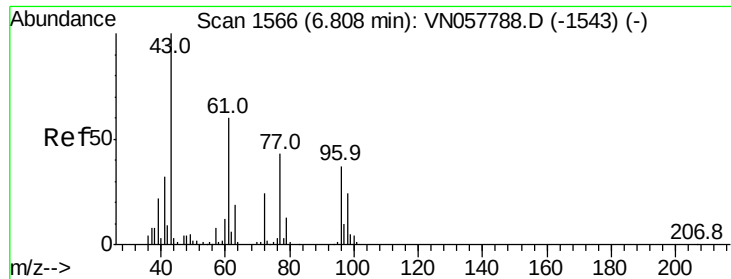


#30
 2-Butanone
 Concen: 737.169 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Tgt Ion: 43 Resp: 2534086

Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.4	9.6
72	25.3	20.3	30.5

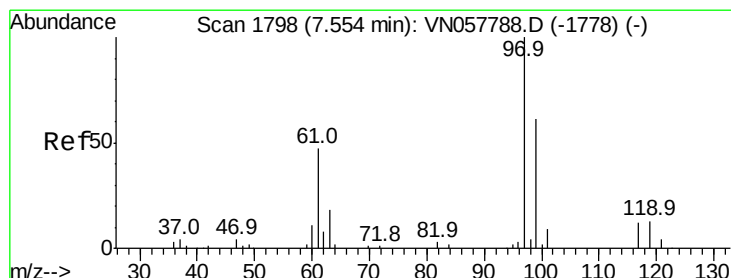
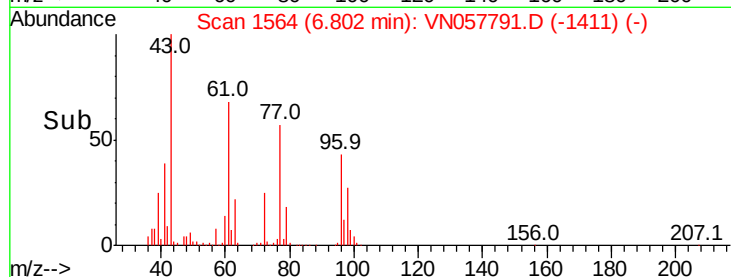
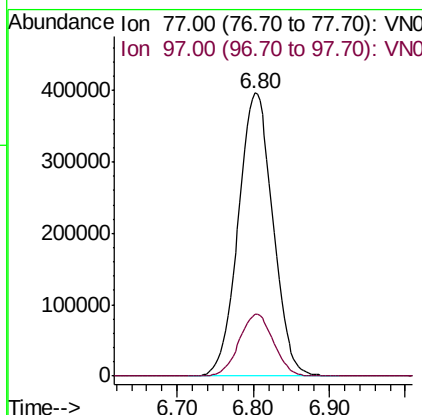
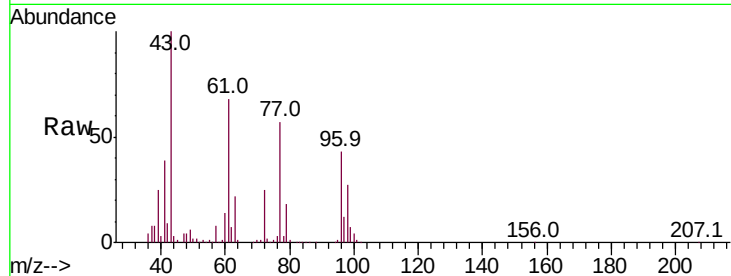




#31
 2,2-Dichloropropane
 Concen: 155.961 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

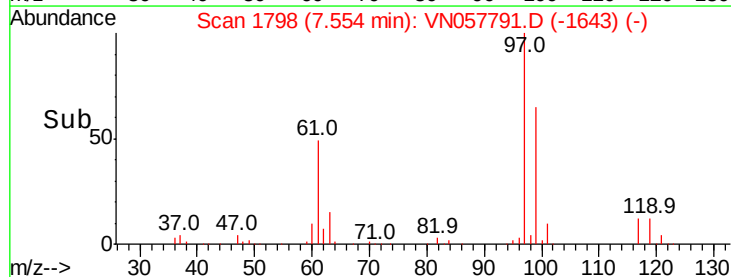
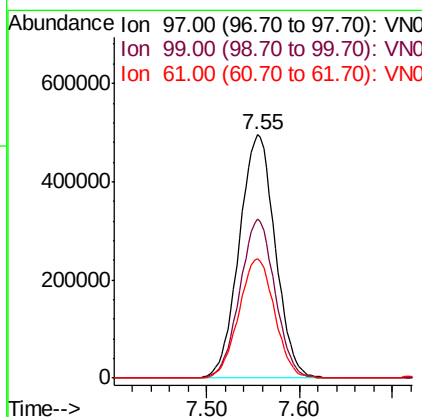
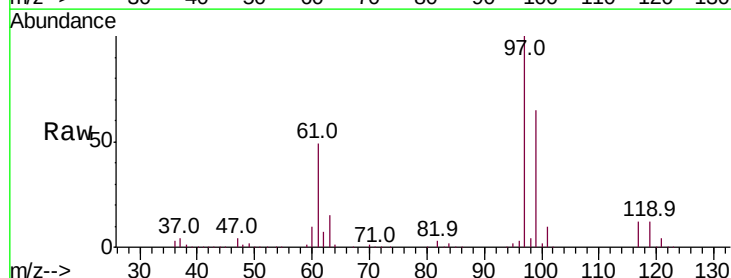
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

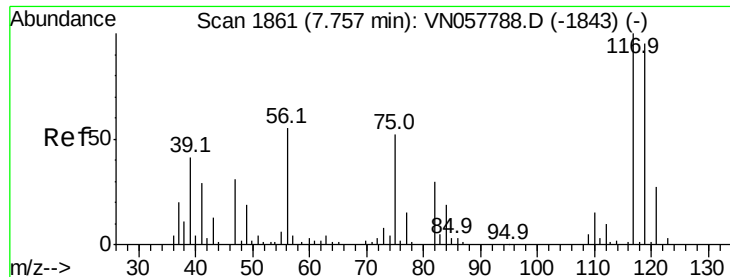
Tot Ion: 77 Resp: 1255367
 Ion Ratio Lower Upper
 77 100
 97 21.7 17.7 26.5



#32
 1,1,1-Trichloroethane
 Concen: 155.623 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Tgt Ion: 97 Resp: 1333981
 Ion Ratio Lower Upper
 97 100
 99 64.0 49.8 74.8
 61 48.8 38.7 58.1

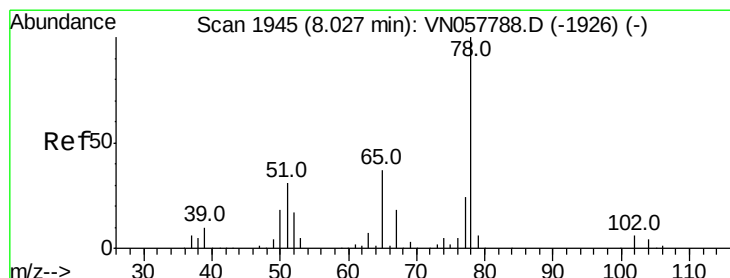
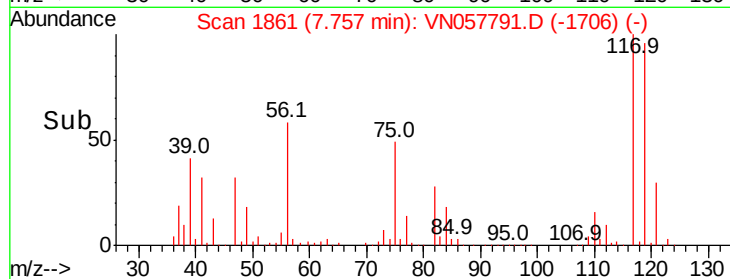
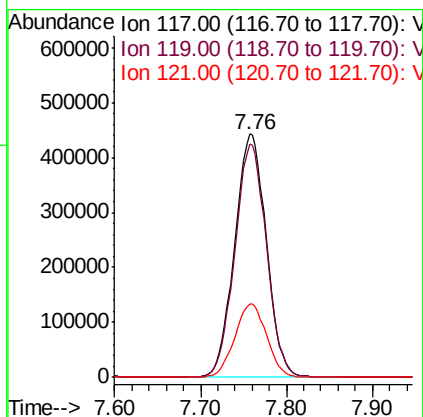
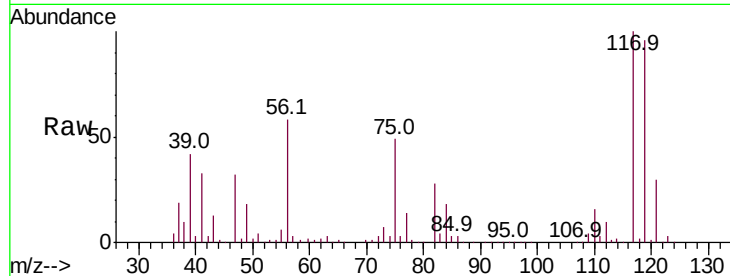




#33
Carbon Tetrachloride
Concen: 161.971 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

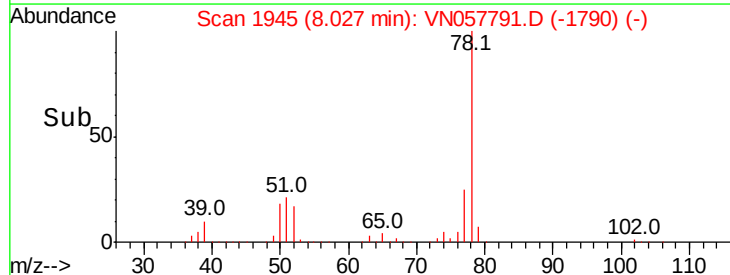
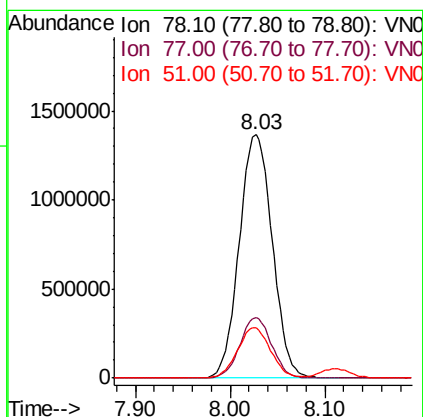
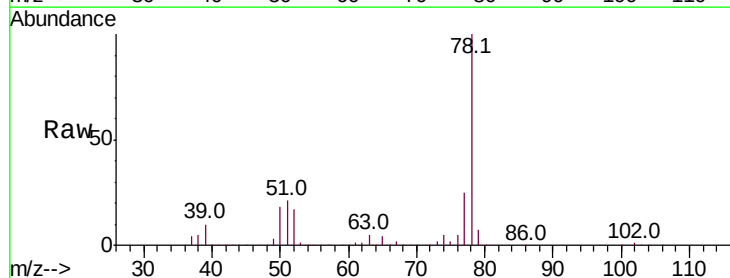
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

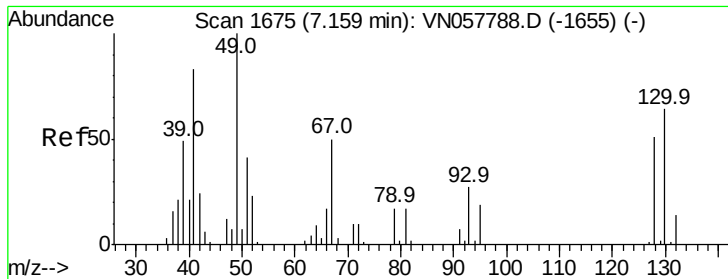
Tot Ion:117 Resp: 1132604
Ion Ratio Lower Upper
117 100
119 95.6 75.7 113.5
121 30.0 21.7 32.5



#34
Benzene
Concen: 146.951 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion: 78 Resp: 3319650
Ion Ratio Lower Upper
78 100
77 25.1 19.2 28.8
51 20.5 24.9 37.3#

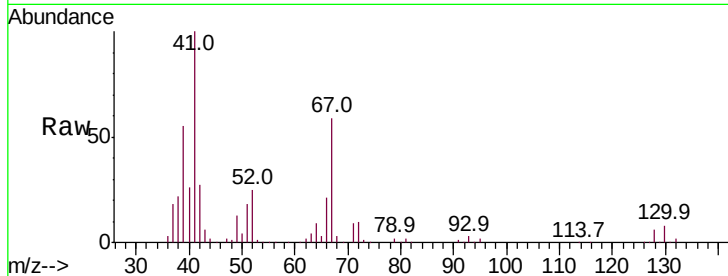




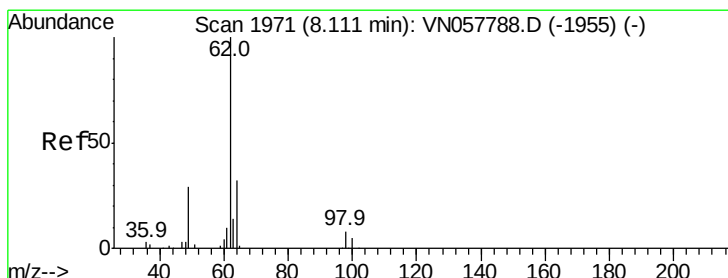
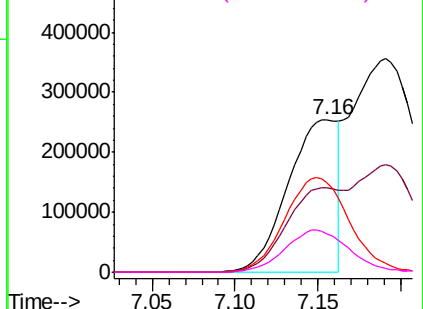
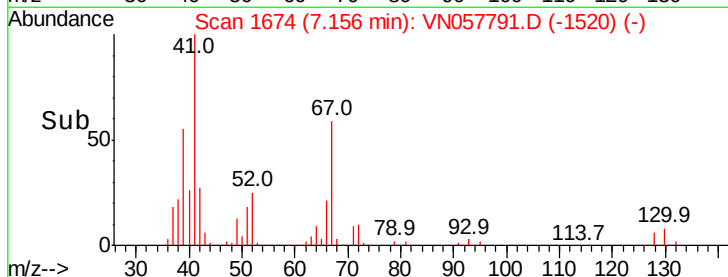
#35
Methacrylonitrile
Concen: 169.241 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:	41	Resp:	530050
Ion	Ratio	Lower	Upper
41	100		
39	55.3	29.8	89.5
67	59.3	30.0	90.1
52	25.0	13.9	41.6

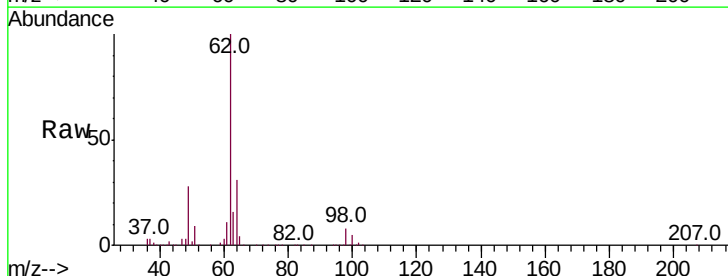


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

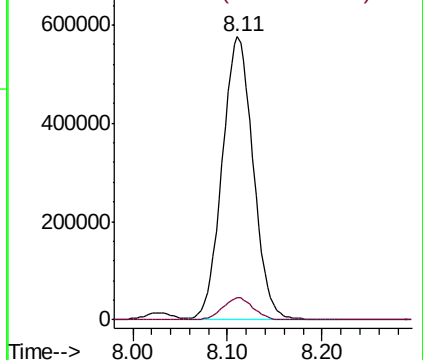
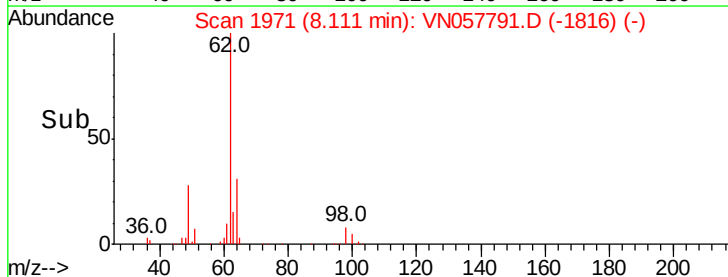


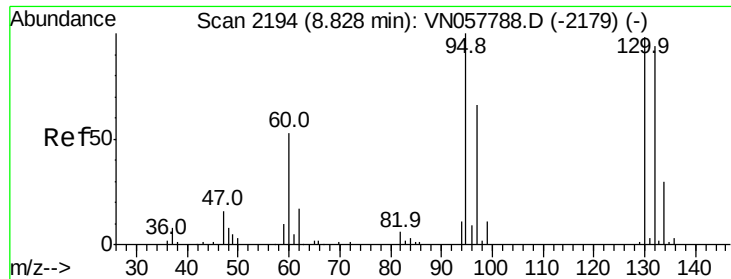
#36
1,2-Dichloroethane
Concen: 148.994 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion:	62	Resp:	1306117
Ion	Ratio	Lower	Upper
62	100		
98	7.8	6.6	9.8



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





#37

Trichloroethene

Concen: 152.879 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

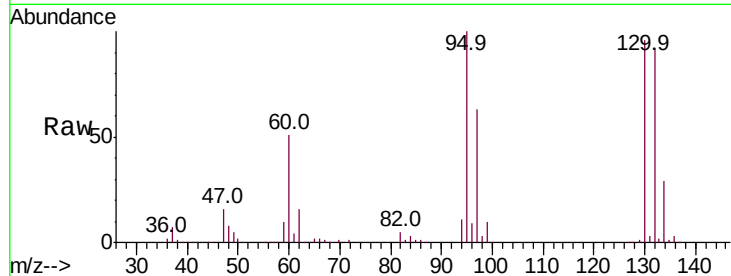
VSTDIC150

Tot Ion:130 Resp: 838798

Ion Ratio Lower Upper

130 100

95 104.0 81.9 122.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.82

400000

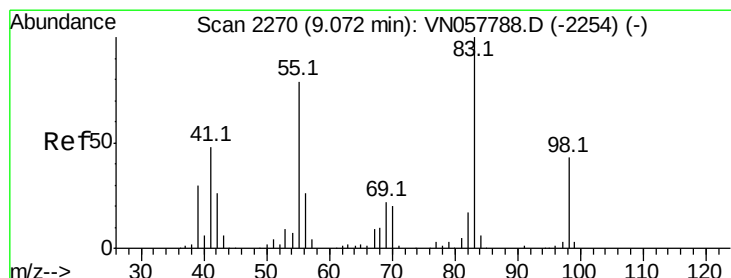
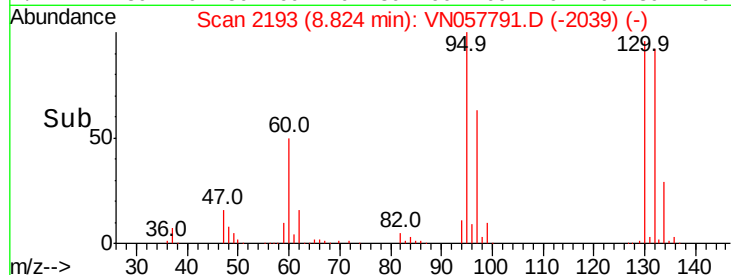
300000

200000

100000

0

Time-->



#38

Methylcyclohexane

Concen: 153.490 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

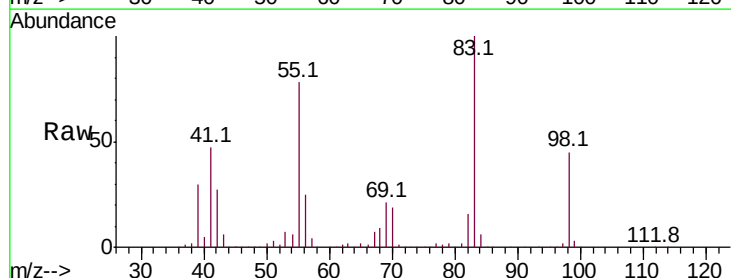
Tgt Ion: 83 Resp: 1332485

Ion Ratio Lower Upper

83 100

55 77.7 39.6 118.7

98 44.8 21.8 65.4



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

9.07

800000

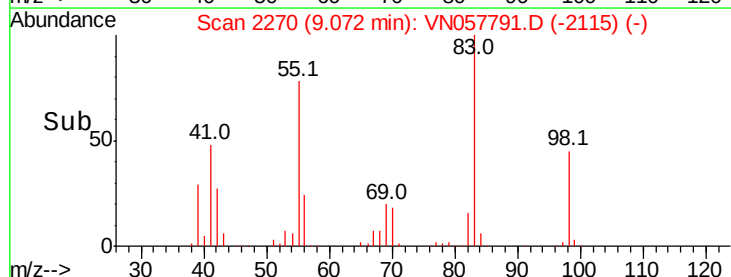
600000

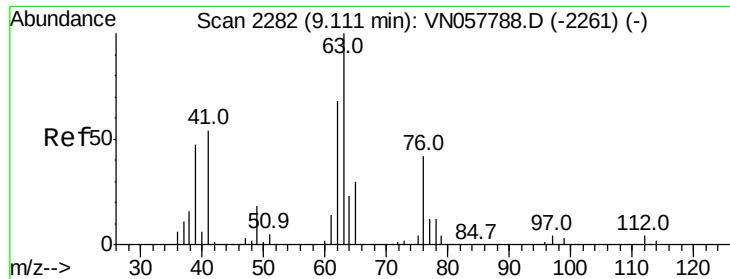
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 148.306 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampled :

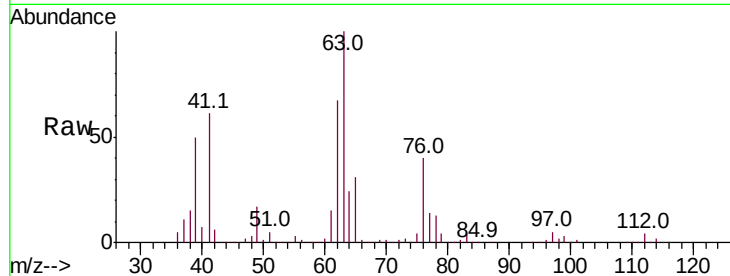
VSTDIC150

Tot Ion: 63 Resp: 940866

Ion Ratio Lower Upper

63 100

65 30.7 23.6 35.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

9.11

400000

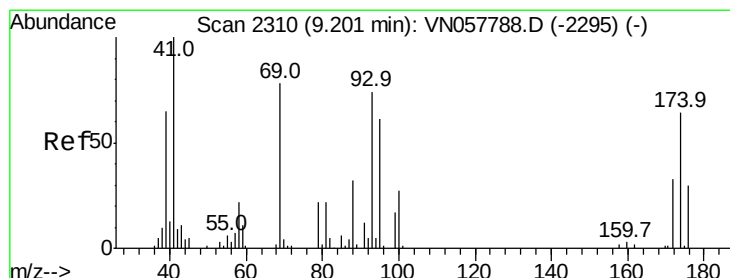
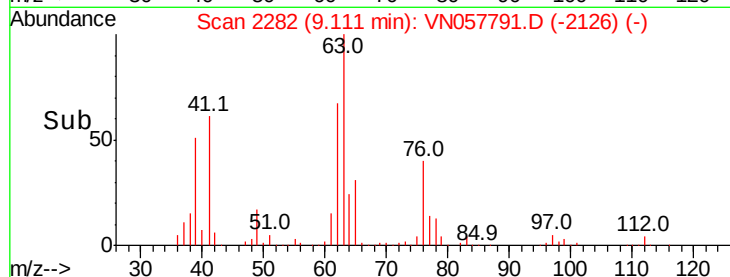
300000

200000

100000

0

Time-->



#40

Dibromomethane

Concen: 151.729 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

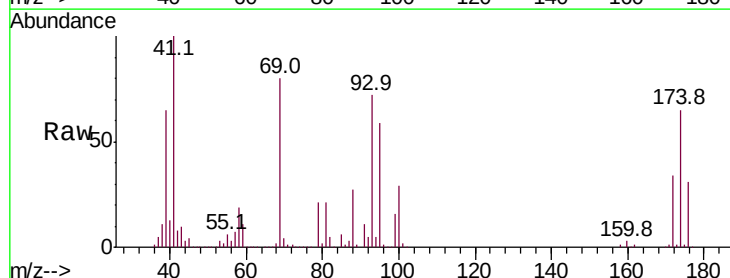
Tgt Ion: 93 Resp: 585455

Ion Ratio Lower Upper

93 100

95 82.4 0.0 163.0

174 90.2 0.0 171.4



Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

9.20

400000

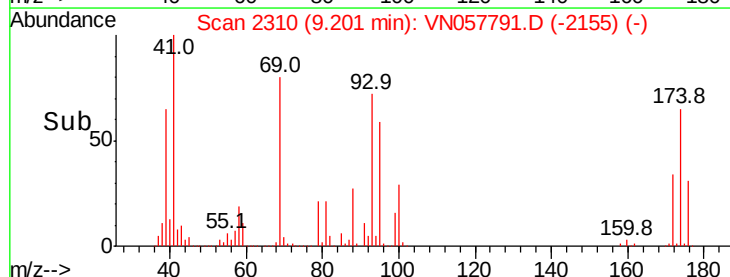
300000

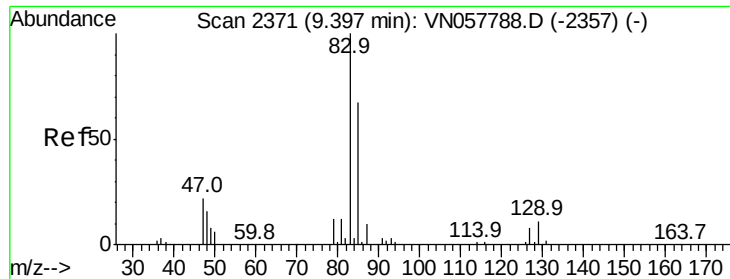
200000

100000

0

Time-->





#41

Bromodichloromethane

Concen: 160.635 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

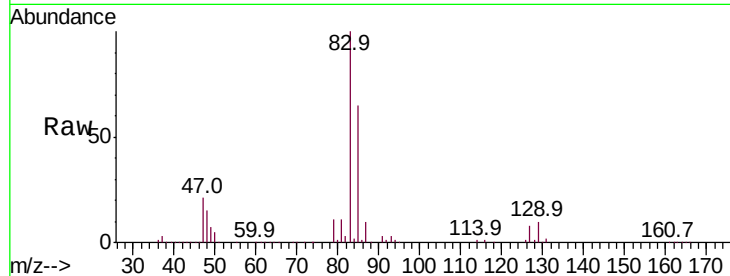
Tot Ion: 83 Resp: 1249601

Ion Ratio Lower Upper

83 100

85 64.7 53.4 80.0

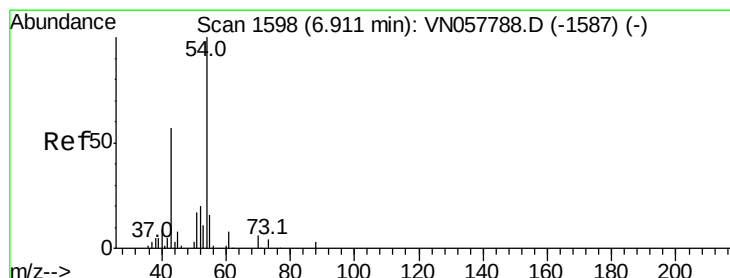
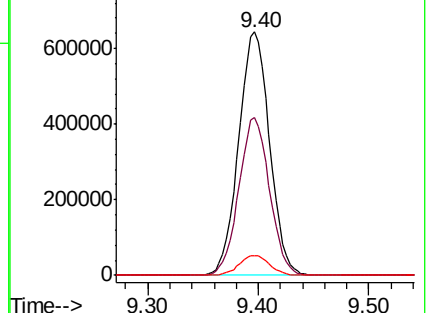
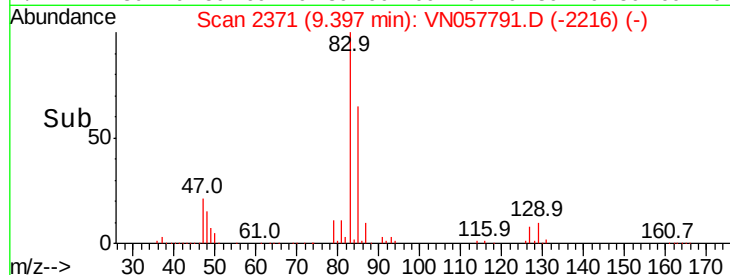
127 8.1 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VN057791.D (-2216) (-)

Ion 85.00 (84.70 to 85.70): VN057791.D (-2216) (-)

Ion 127.00 (126.70 to 127.70): VN057791.D (-2216) (-)



#43

Ethyl Acetate

Concen: 49.521 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.28 min

Lab File: VN057791.D

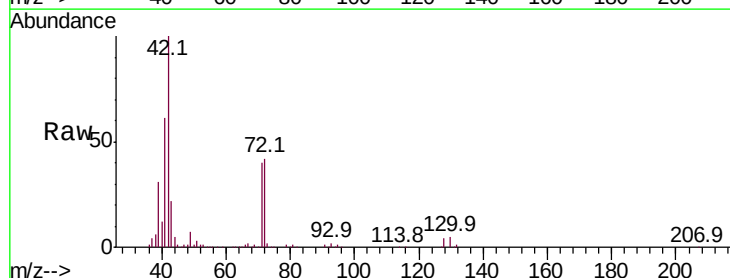
Acq: 9 Sep 2019 10:40

Tgt Ion: 43 Resp: 351149

Ion Ratio Lower Upper

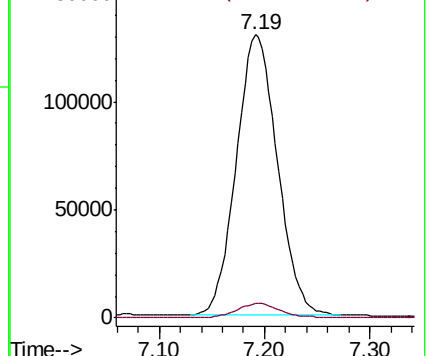
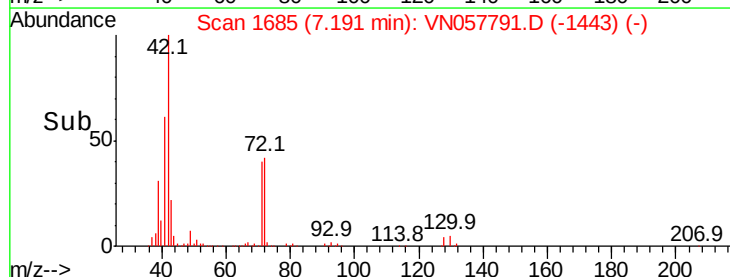
43 100

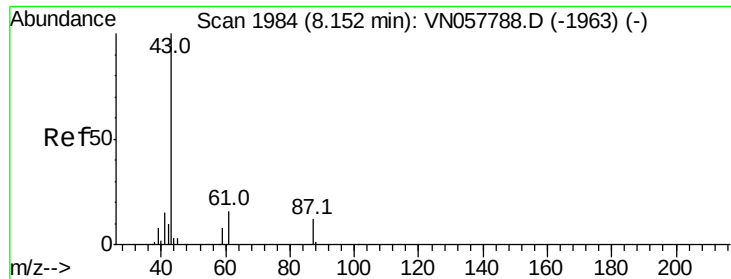
45 5.5 5.4 8.0



Abundance Ion 43.00 (42.70 to 43.70): VN057791.D (-1443) (-)

Ion 45.00 (44.70 to 45.70): VN057791.D (-1443) (-)





#44

Isopropyl Acetate

Concen: 156.484 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

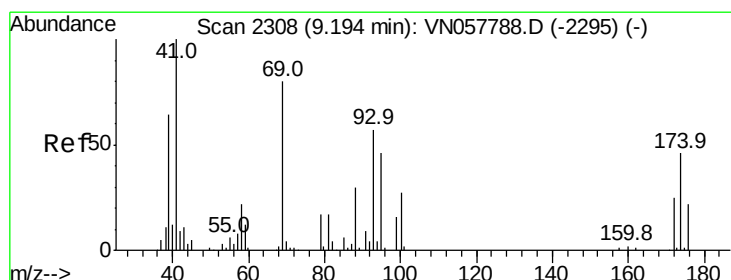
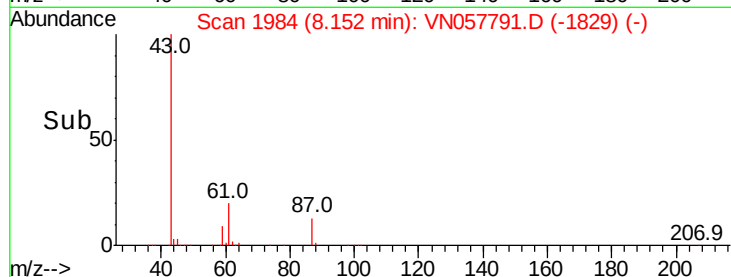
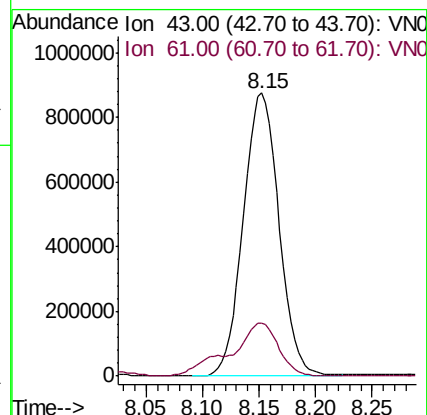
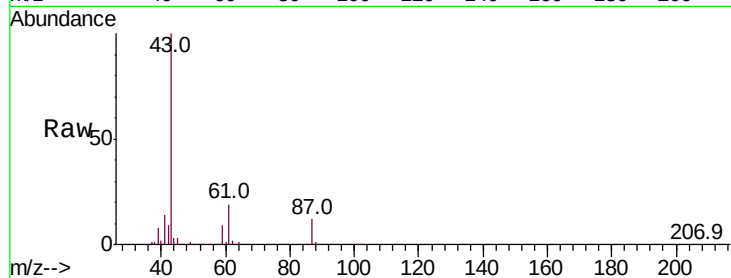
VSTDIC150

Tot Ion: 43 Resp: 1921380

Ion Ratio Lower Upper

43 100

61 18.4 0.1 0.1#



#45

1,4-Dioxane

Concen: 2836.288 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

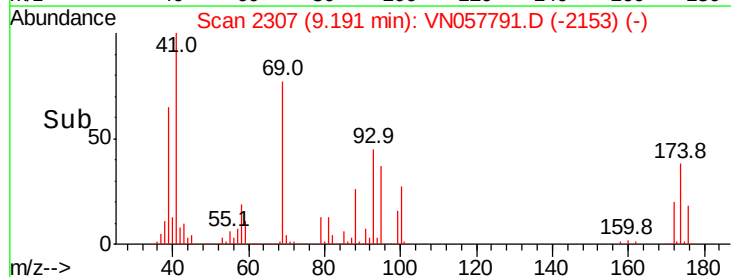
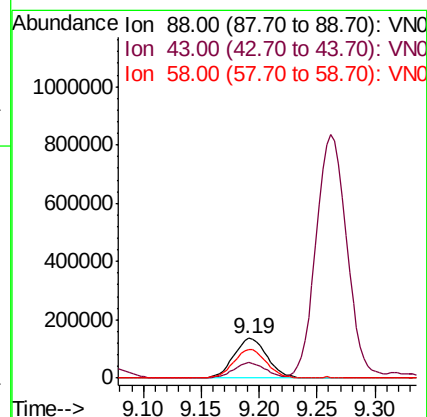
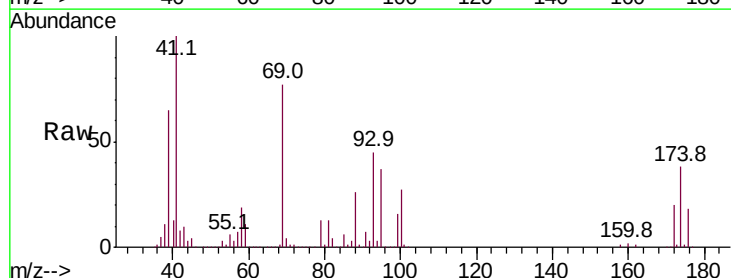
Tgt Ion: 88 Resp: 272540

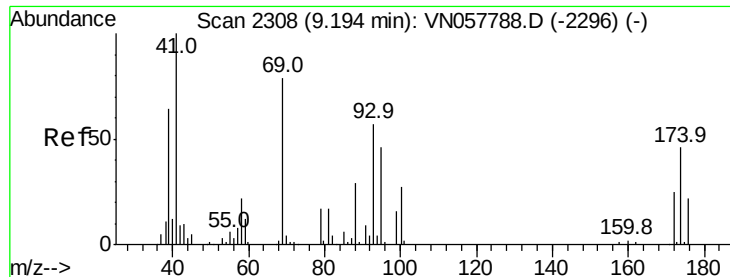
Ion Ratio Lower Upper

88 100

43 35.8 28.2 42.4

58 71.0 58.5 87.7

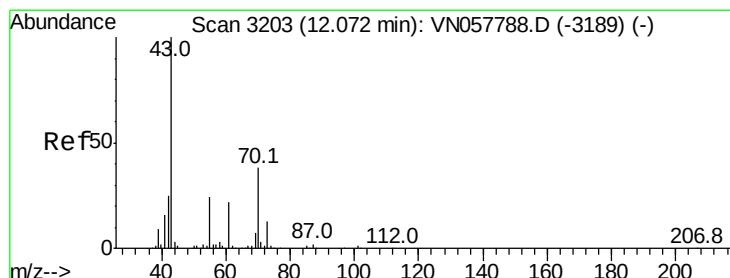
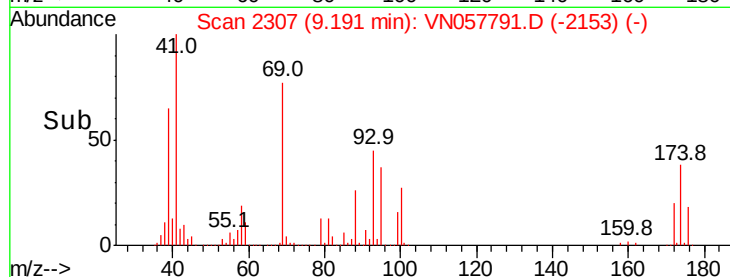
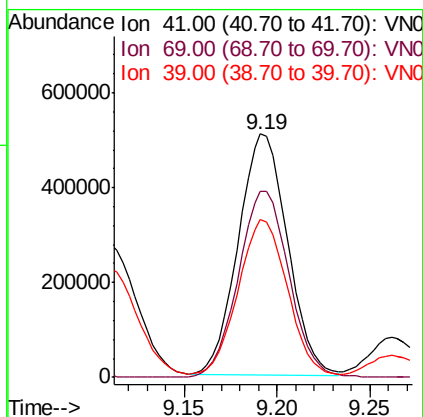
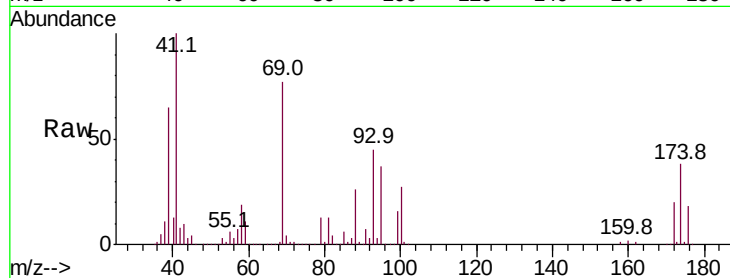




#46
Methyl methacrylate
Concen: 156.584 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

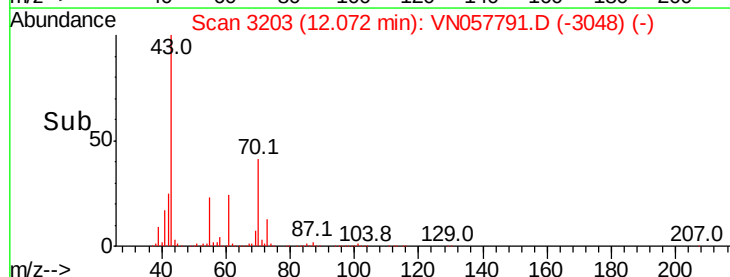
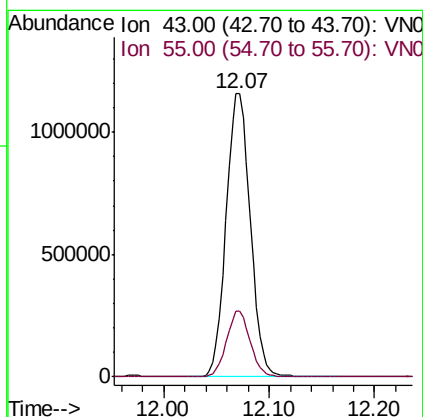
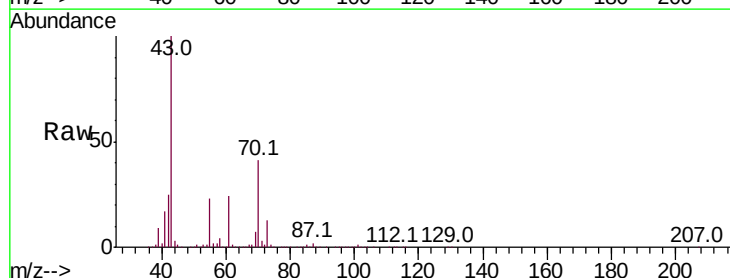
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

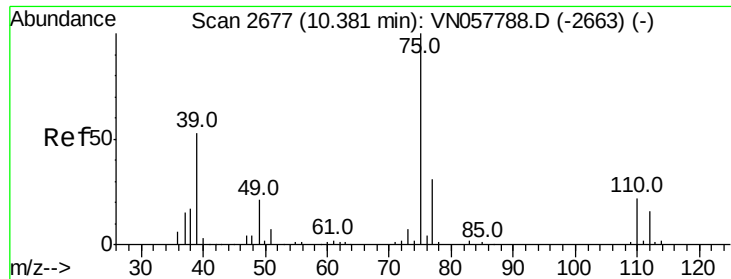
Tot Ion: 41 Resp: 935342
Ion Ratio Lower Upper
41 100
69 77.1 39.6 119.0
39 64.1 31.9 95.7



#47
n-amyl Acetate
Concen: 163.185 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion: 43 Resp: 1832124
Ion Ratio Lower Upper
43 100
55 22.6 18.3 27.5





#48

t-1,3-Dichloropropene

Concen: 170.692 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

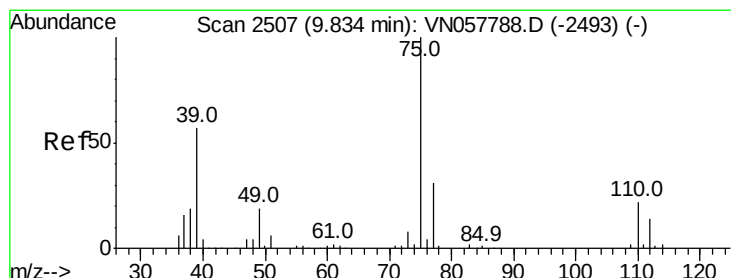
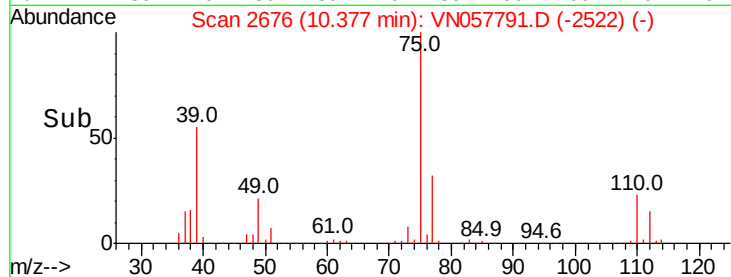
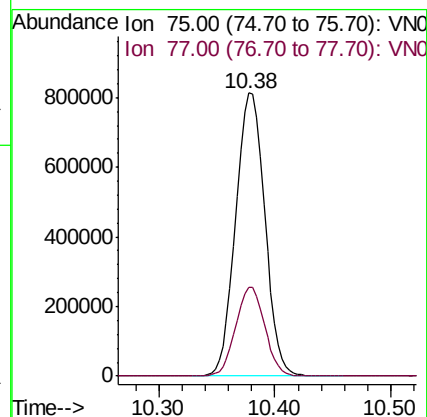
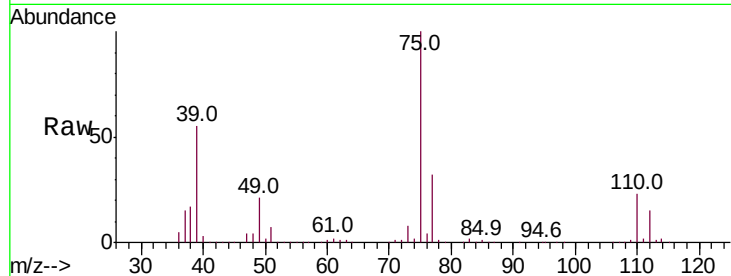
VSTDIC150

Tot Ion: 75 Resp: 1413624

Ion Ratio Lower Upper

75 100

77 31.5 24.9 37.3



#49

cis-1,3-Dichloropropene

Concen: 162.698 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

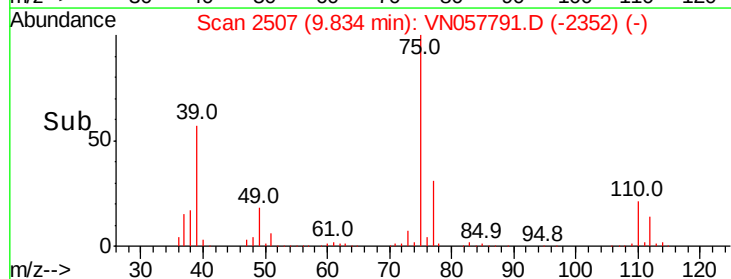
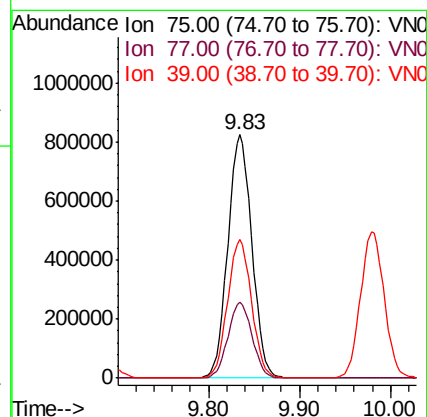
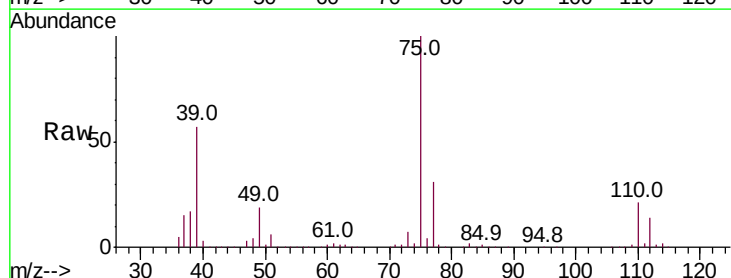
Tgt Ion: 75 Resp: 1511779

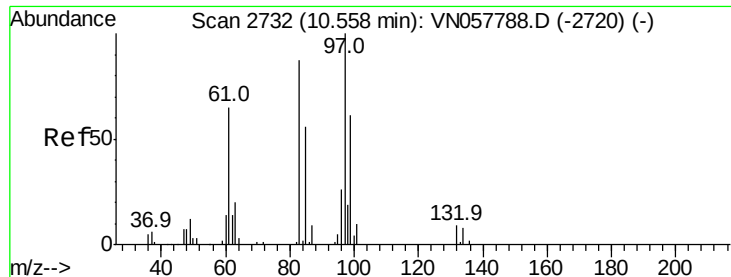
Ion Ratio Lower Upper

75 100

77 31.3 24.6 36.8

39 57.0 45.8 68.8

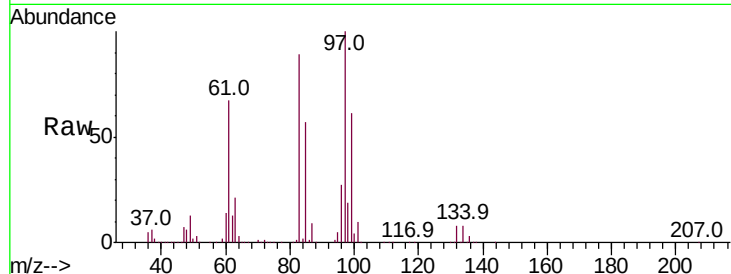




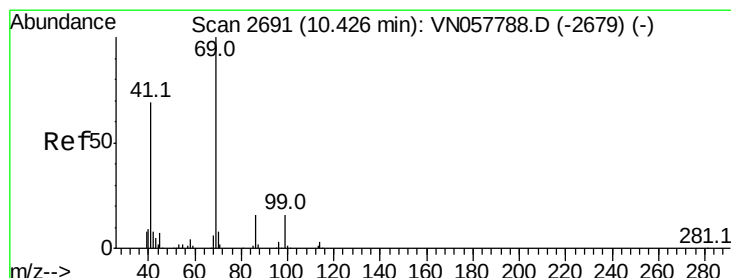
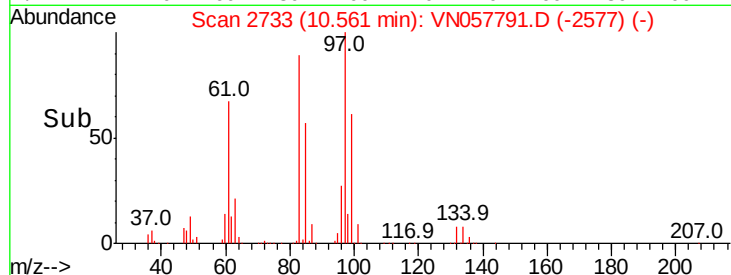
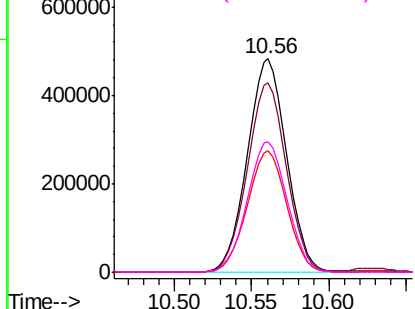
#50
 1,1,2-Trichloroethane
 Concen: 152.198 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 97 Resp: 851835
 Ion Ratio Lower Upper
 97 100
 83 88.8 69.4 104.2
 85 57.2 45.0 67.6
 99 61.3 48.8 73.2

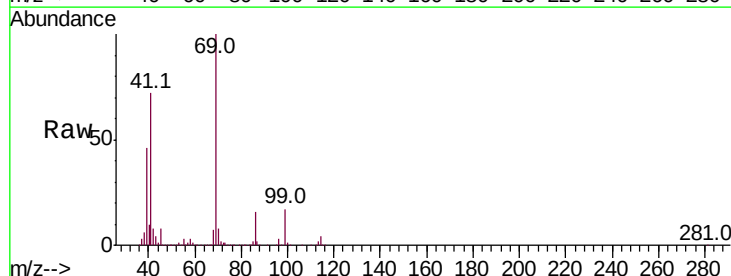


Abundance Ion 97.00 (96.70 to 97.70): VN0
 Ion 82.95 (82.65 to 83.65): VN0
 Ion 84.95 (84.65 to 85.65): VN0
 Ion 98.95 (98.65 to 99.65): VN0

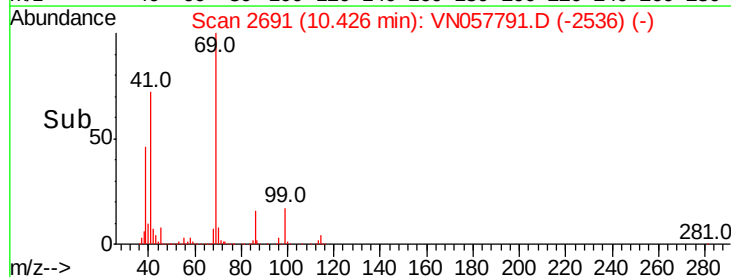
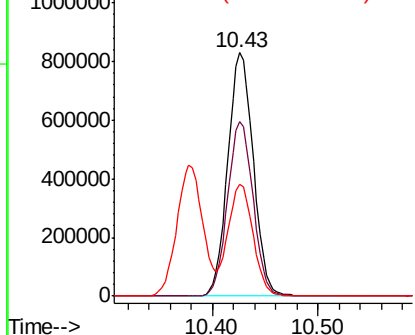


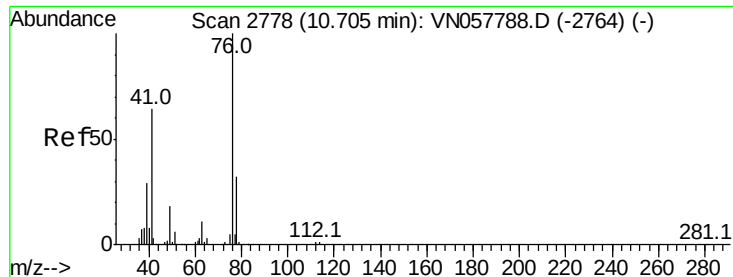
#51
 Ethyl methacrylate
 Concen: 159.649 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Tgt Ion: 69 Resp: 1385481
 Ion Ratio Lower Upper
 69 100
 41 71.6 34.5 103.5
 39 46.0 22.4 67.3



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





#52

1,3-Dichloropropane

Concen: 152.248 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

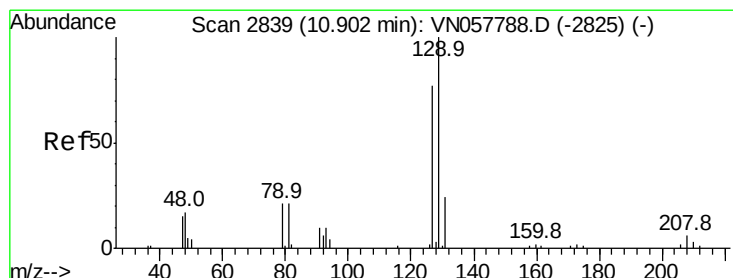
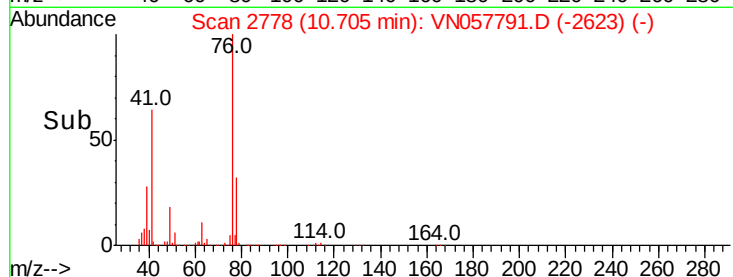
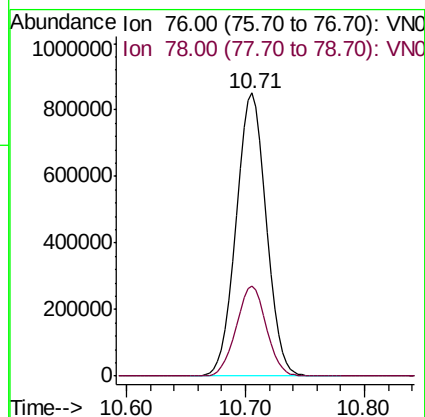
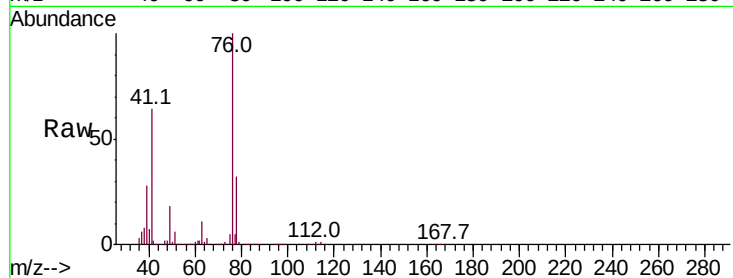
VSTDIC150

Tot Ion: 76 Resp: 1490196

Ion Ratio Lower Upper

76 100

78 31.9 0.0 63.8



#53

Dibromochloromethane

Concen: 170.319 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN057791.D

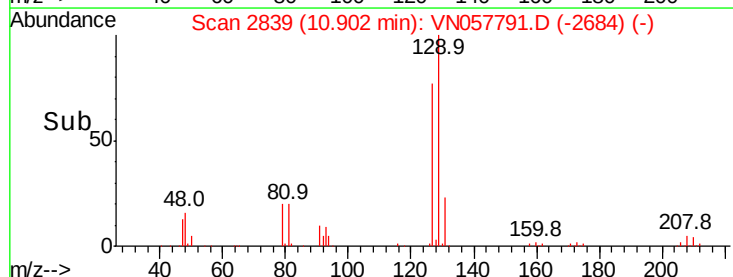
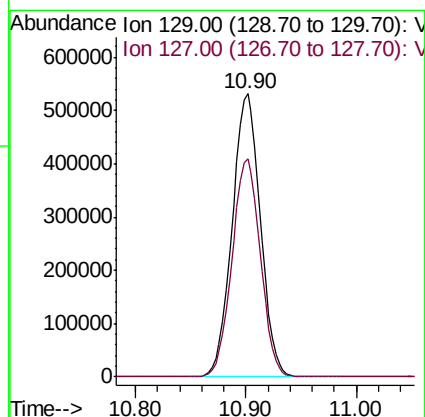
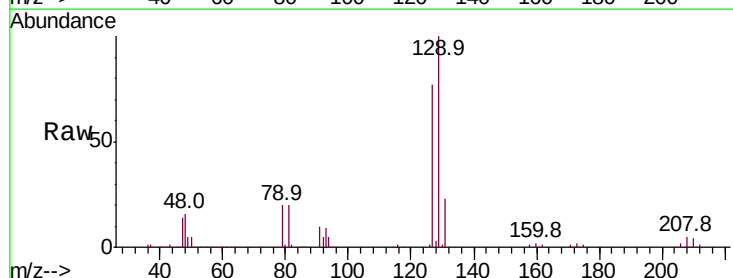
Acq: 9 Sep 2019 10:40

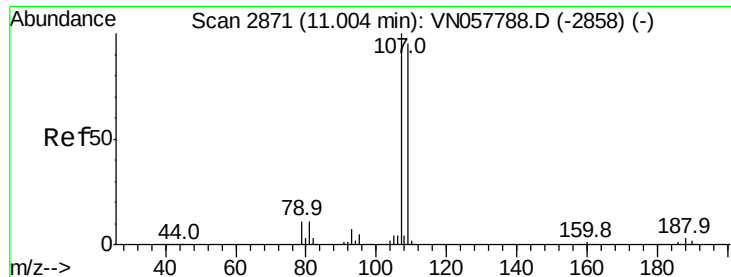
Tgt Ion: 129 Resp: 941428

Ion Ratio Lower Upper

129 100

127 77.4 38.8 116.3





#54

1,2-Dibromoethane

Concen: 154.501 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampled :

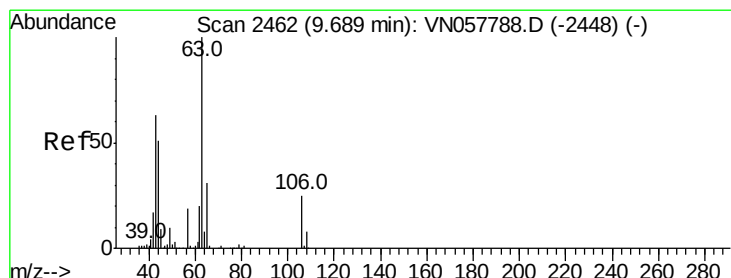
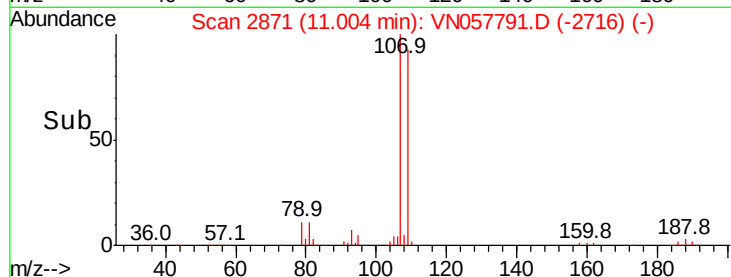
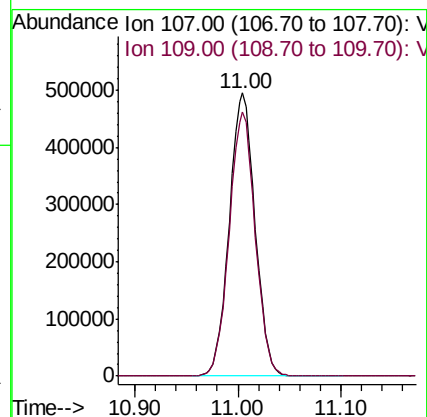
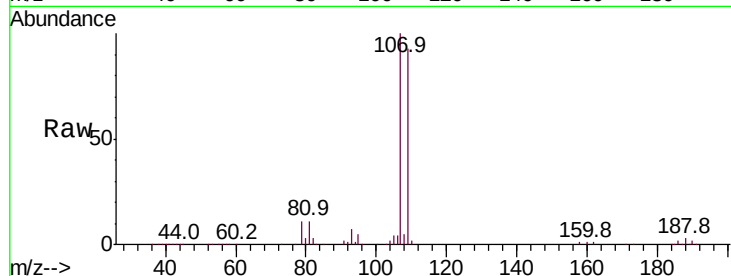
VSTDIC150

Tot Ion:107 Resp: 860371

Ion Ratio Lower Upper

107 100

109 94.3 75.4 113.0



#55

2-Chloroethyl vinyl ether

Concen: 736.547 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

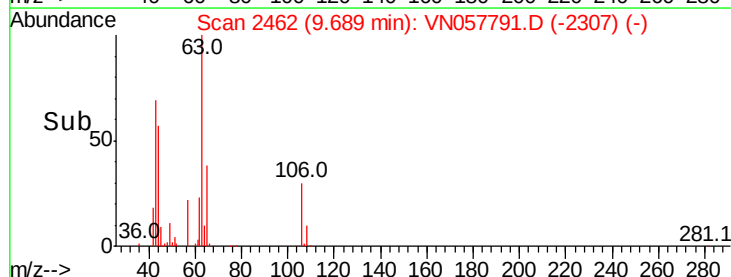
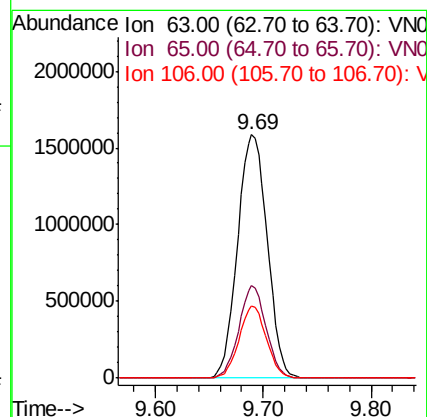
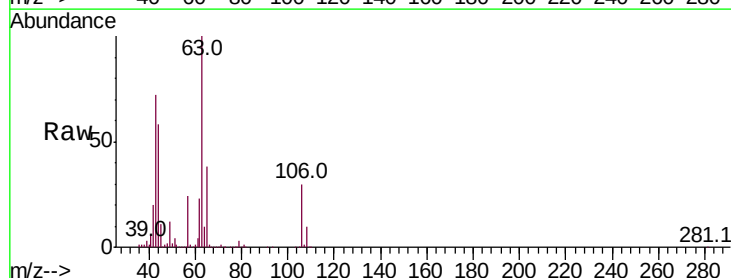
Tgt Ion: 63 Resp: 3037292

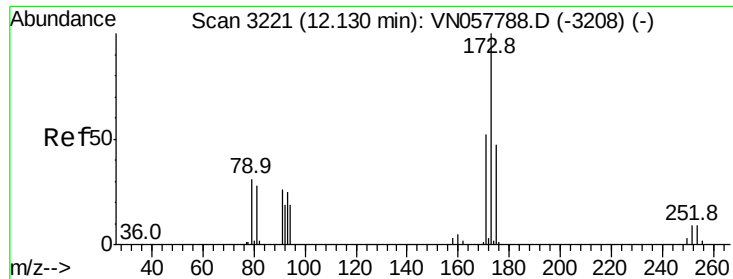
Ion Ratio Lower Upper

63 100

65 34.8 25.0 37.6

106 27.3 19.8 29.8

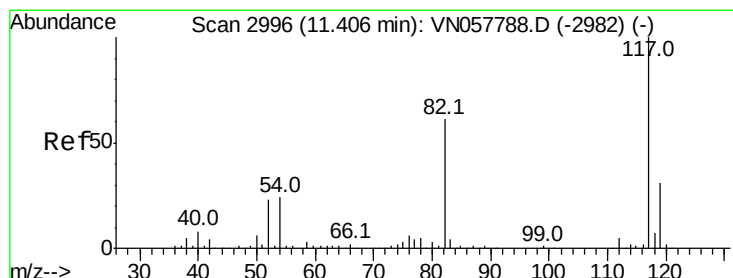
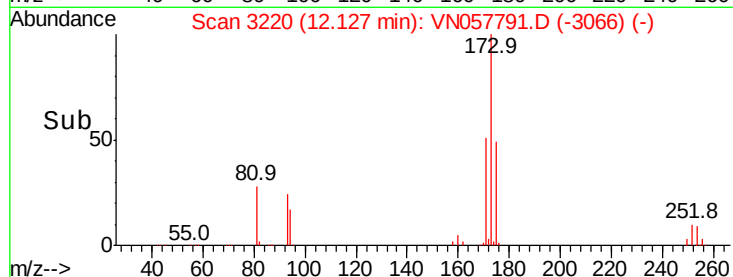
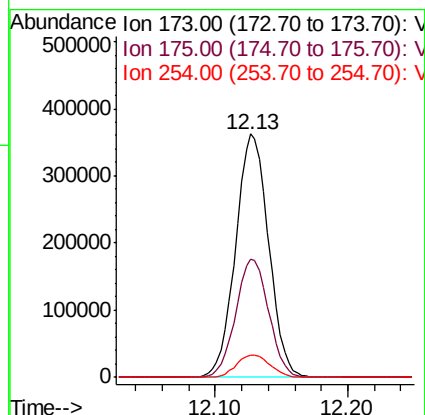
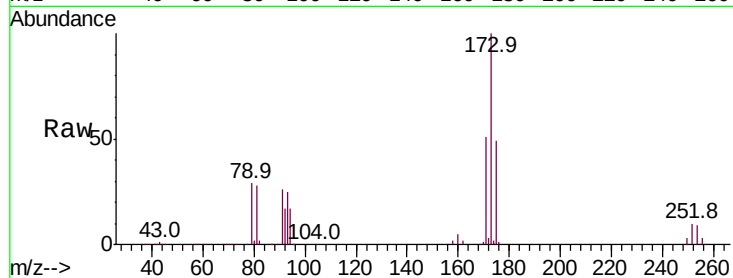




#56
Bromoform
Concen: 182.395 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

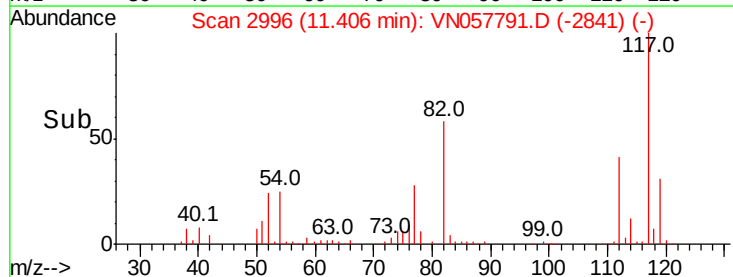
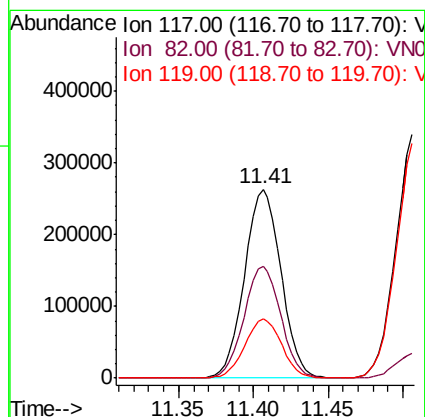
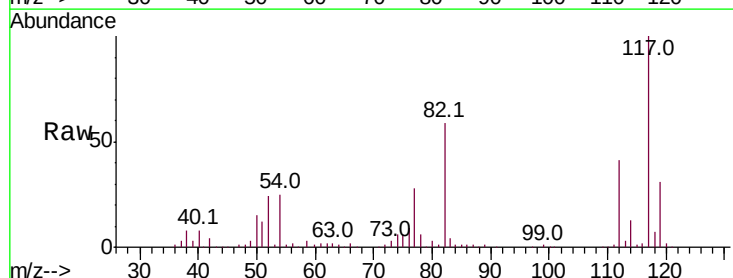
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

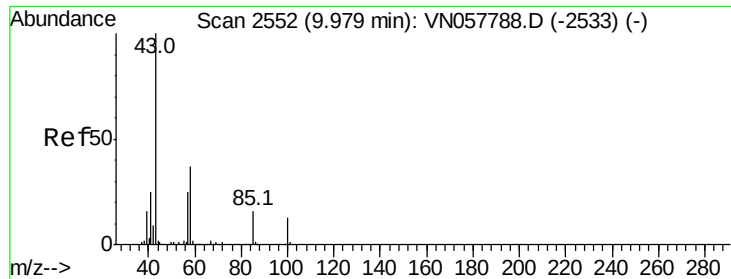
Tot Ion:173 Resp: 624563
Ion Ratio Lower Upper
173 100
175 48.5 38.4 57.6
254 9.5 6.9 10.3



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion:117 Resp: 447112
Ion Ratio Lower Upper
117 100
82 59.7 47.6 71.4
119 31.7 25.4 38.2



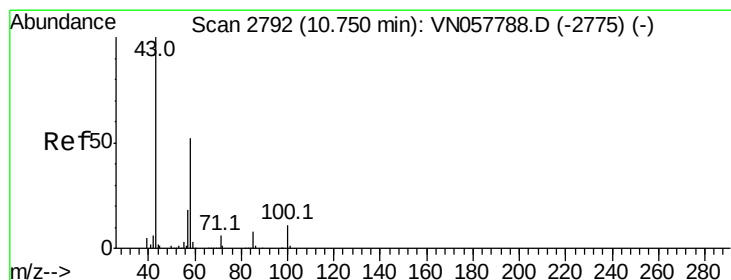
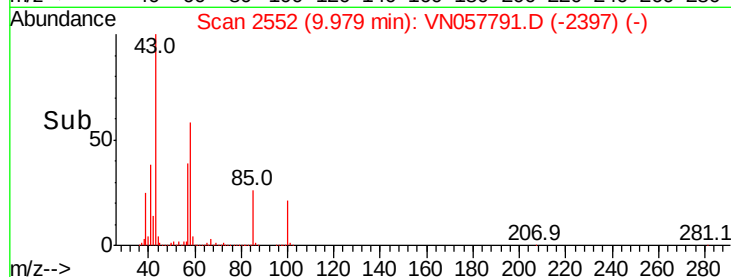
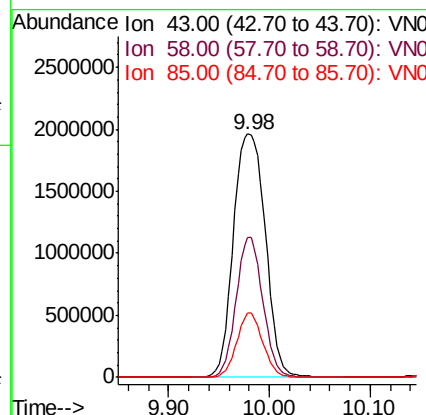
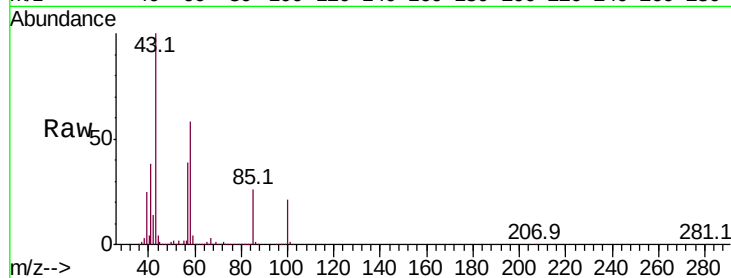


#58
 4-Methyl-2-Pentanone
 Concen: 622.621 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 4317083

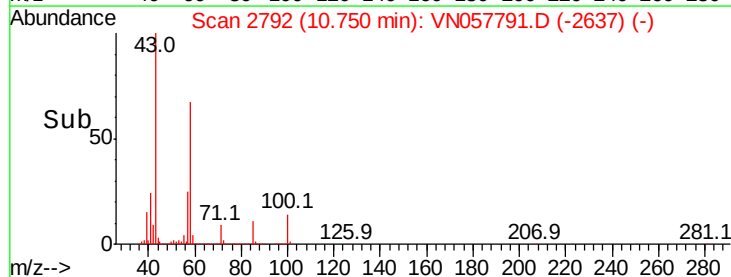
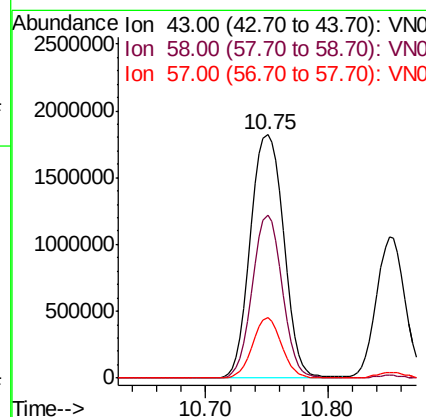
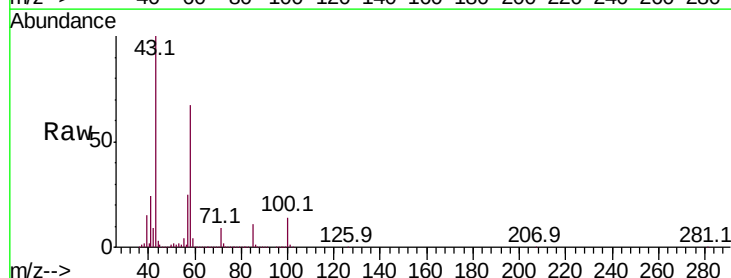
Ion	Ratio	Lower	Upper
43	100		
58	48.2	29.4	44.0#
85	21.7	12.9	19.3#

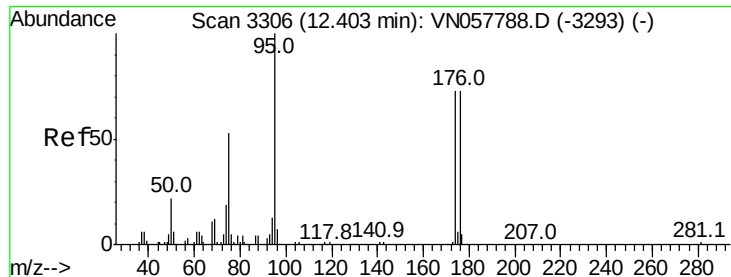


#59
 2-Hexanone
 Concen: 659.679 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Tgt Ion: 43 Resp: 3432463

Ion	Ratio	Lower	Upper
43	100		
58	60.1	40.6	61.0
57	21.6	14.5	21.7

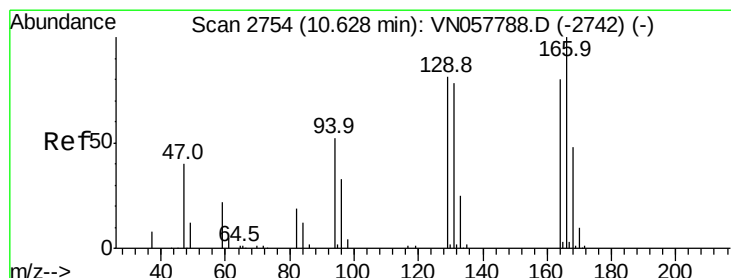
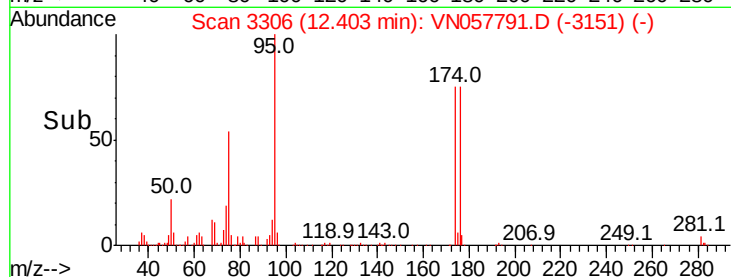
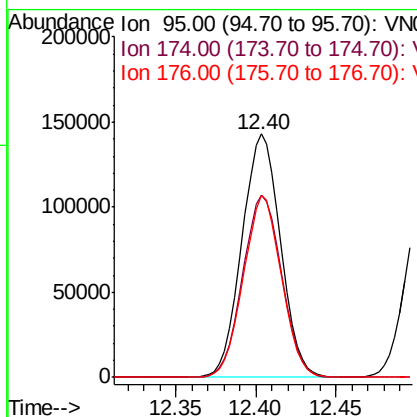
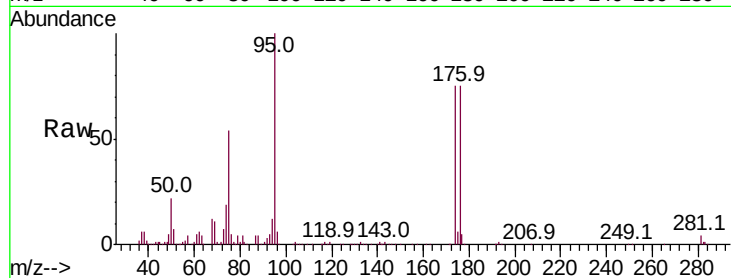




#60
4-Bromofluorobenzene
Concen: 30.755 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

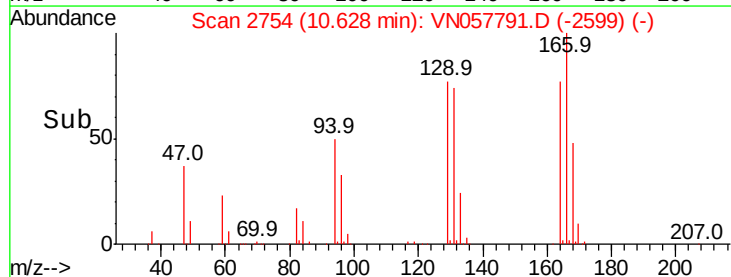
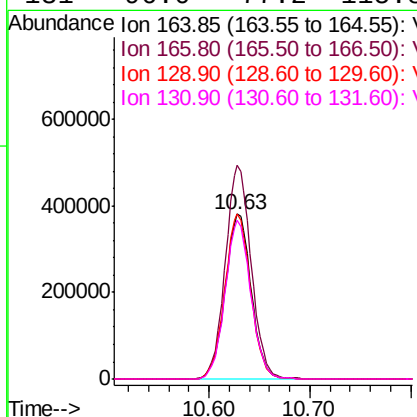
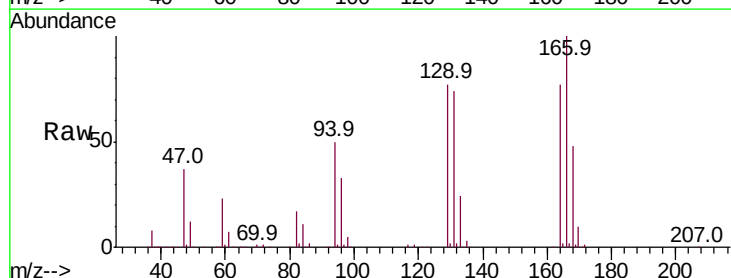
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

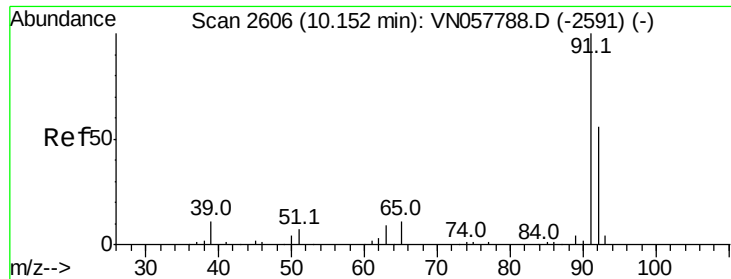
Tot Ion: 95 Resp: 235304
Ion Ratio Lower Upper
95 100
174 76.0 59.4 89.0
176 73.9 57.4 86.0



#61
Tetrachloroethene
Concen: 151.358 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion: 164 Resp: 688063
Ion Ratio Lower Upper
164 100
166 129.4 99.6 149.4
129 99.7 80.9 121.3
131 96.0 77.2 115.8





#62

Toluene

Concen: 137.384 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

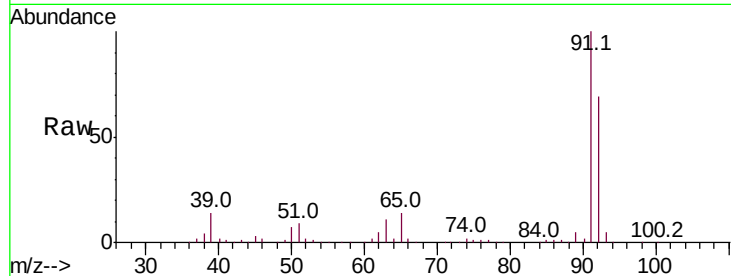
VSTDIC150

Tot Ion: 91 Resp: 3401231

Ion Ratio Lower Upper

91 100

92 63.1 44.9 67.3



Abundance Ion 91.00 (90.70 to 91.70): VN057788.D (-2591) (-)

Ion 92.00 (91.70 to 92.70): VN057788.D (-2591) (-)

10.15

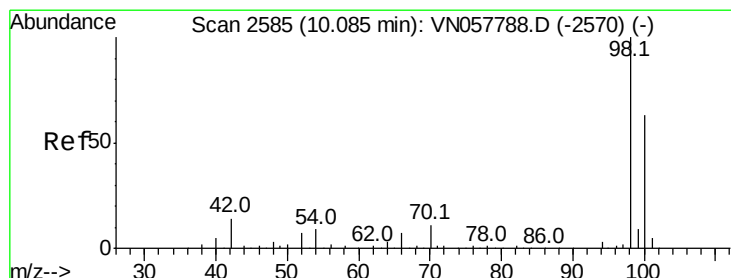
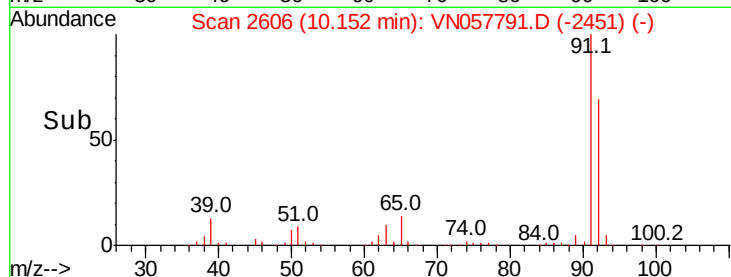
1500000

1000000

500000

0

Time-->



#63

Toluene-d8

Concen: 29.573 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057791.D

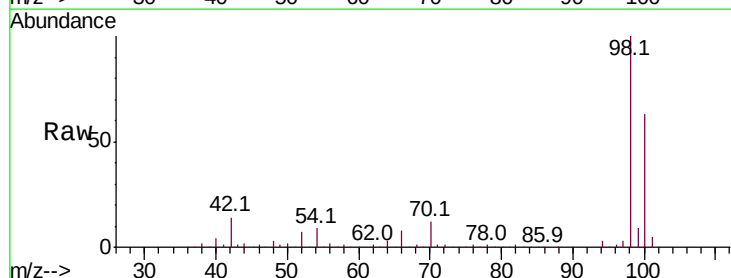
Acq: 9 Sep 2019 10:40

Tgt Ion: 98 Resp: 634653

Ion Ratio Lower Upper

98 100

100 63.5 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN057788.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN057788.D (-2570) (-)

10.09

400000

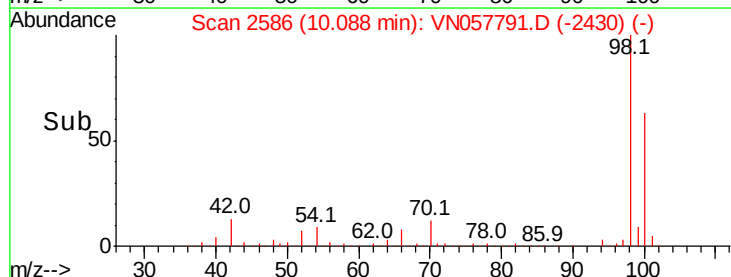
300000

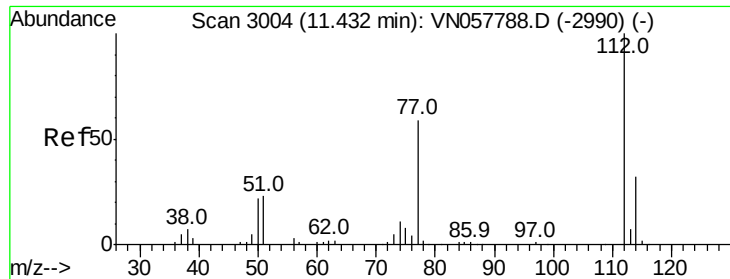
200000

100000

0

Time-->





#64

Chlorobenzene

Concen: 148.486 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

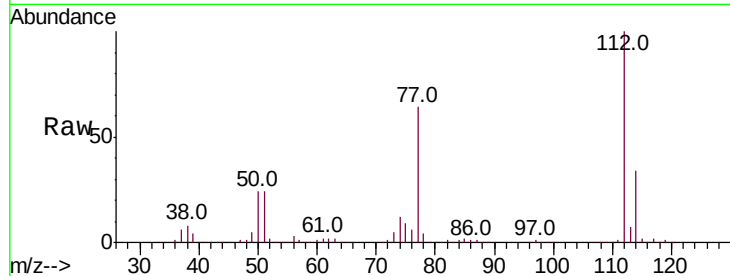
VSTDIC150

Tot Ion:112 Resp: 2280406

Ion Ratio Lower Upper

112 100

114 33.7 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

11.43

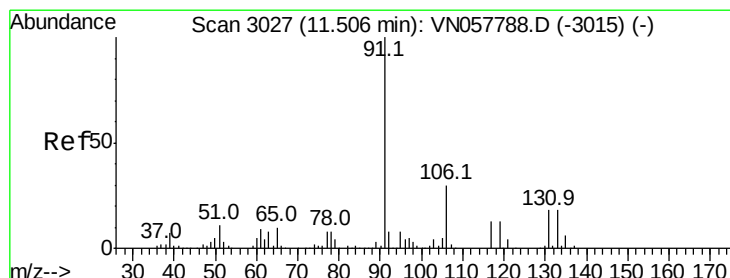
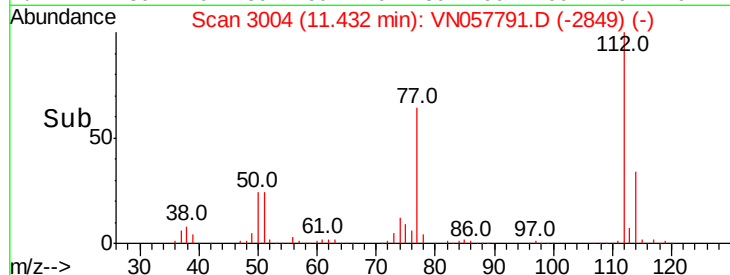
1500000

1000000

500000

0

Time-->



#65

1,1,1,2-Tetrachloroethane

Concen: 161.723 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

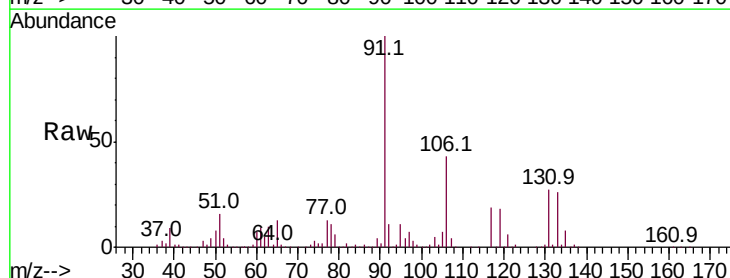
Tgt Ion:131 Resp: 862367

Ion Ratio Lower Upper

131 100

133 95.0 0.0 189.2

119 66.7 0.0 136.4



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

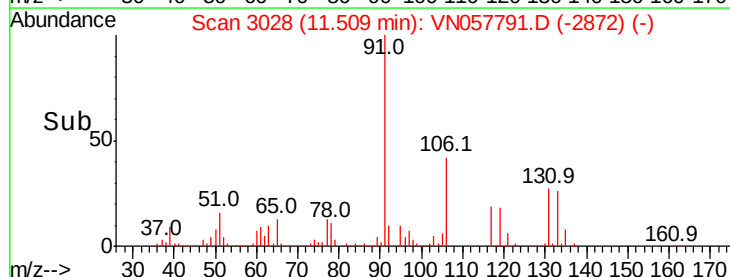
600000

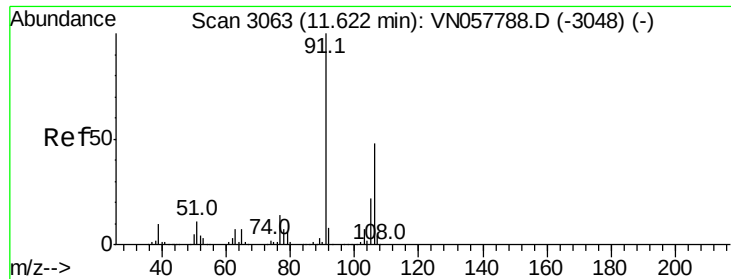
400000

200000

0

Time-->

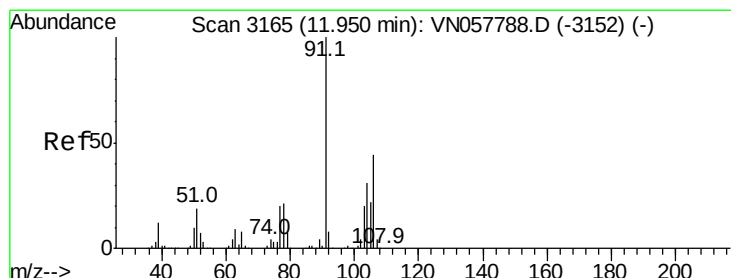
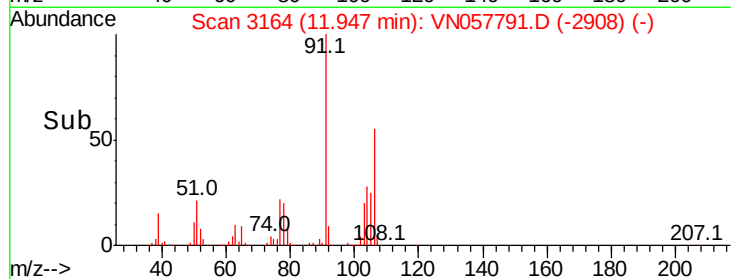
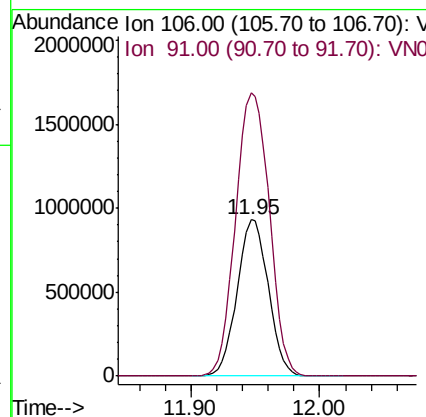
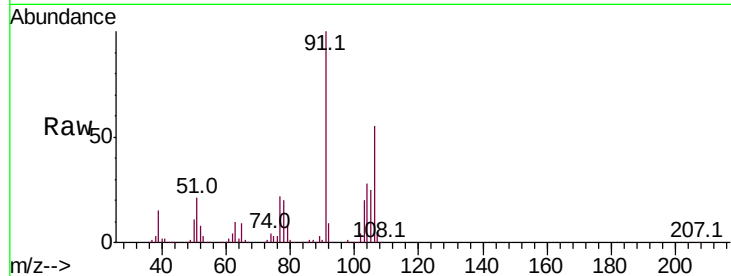




#67
m/p-Xylenes
Concen: 168.057 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.32 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

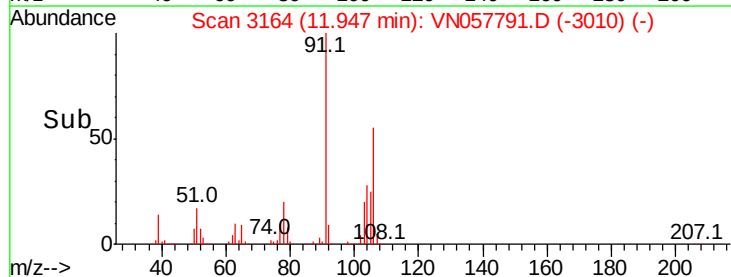
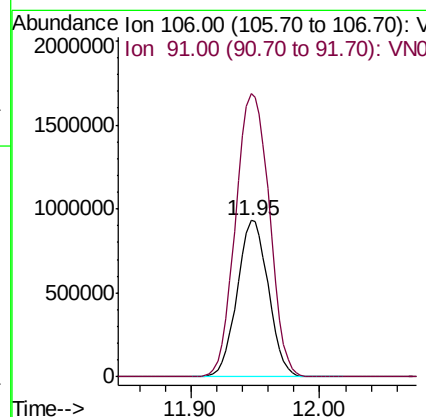
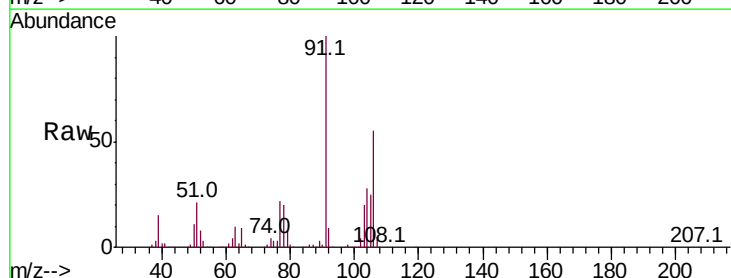
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

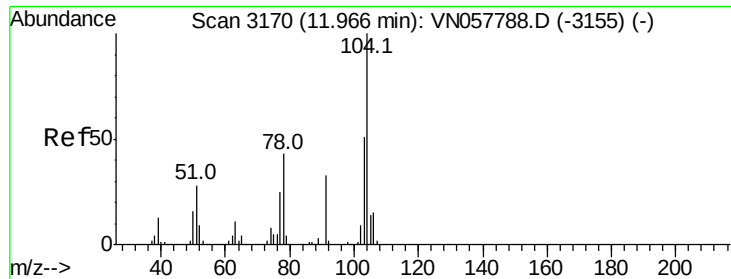
Tot Ion:106 Resp: 1567884
Ion Ratio Lower Upper
106 100
91 196.0 166.1 249.1



#68
o-Xylene
Concen: 155.189 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion:106 Resp: 1567884
Ion Ratio Lower Upper
106 100
91 196.0 111.5 334.4

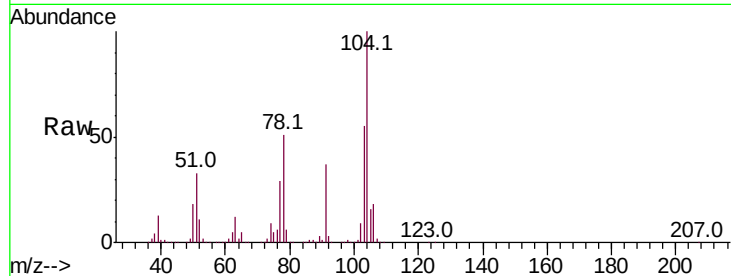




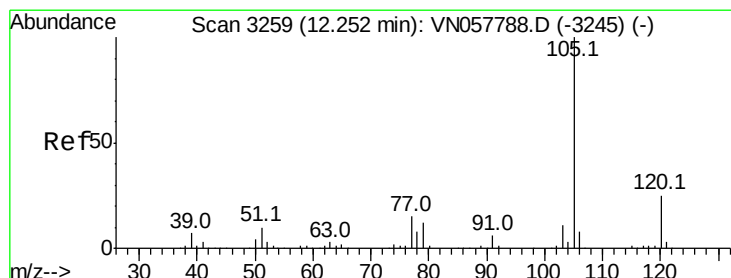
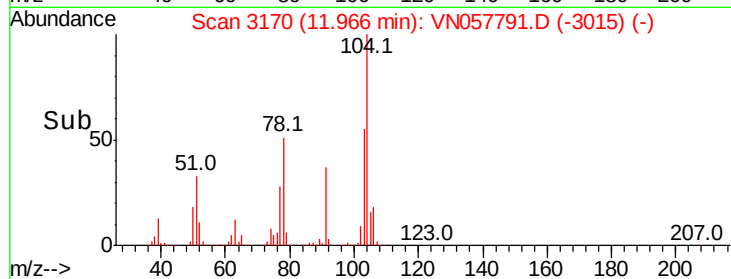
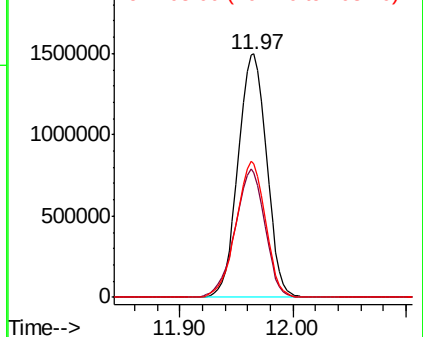
#69
Stvrene
Concen: 153.268 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:104 Resp: 2640132
Ion Ratio Lower Upper
104 100
78 55.0 41.5 62.3
103 57.5 44.8 67.2

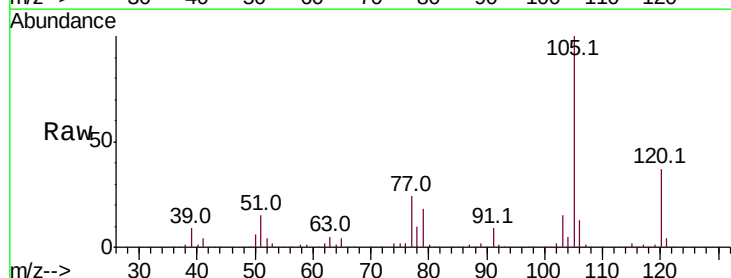


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

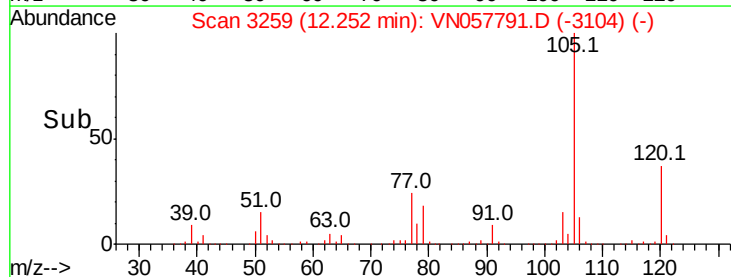
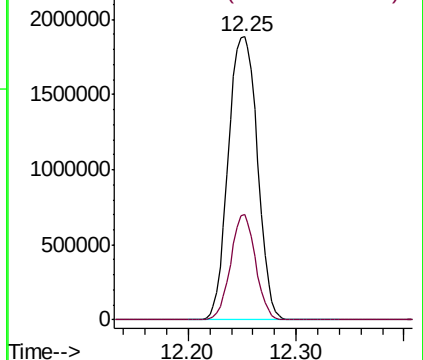


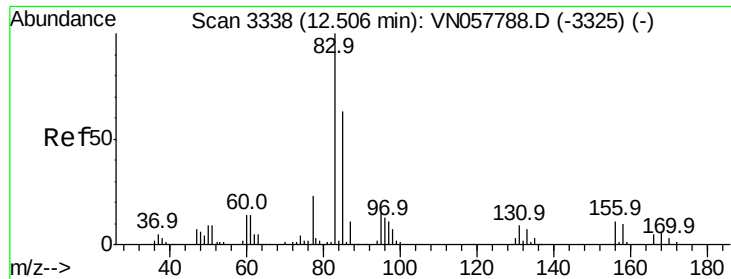
#70
Isopropylbenzene
Concen: 132.497 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion:105 Resp: 3538975
Ion Ratio Lower Upper
105 100
120 31.7 17.6 32.6



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

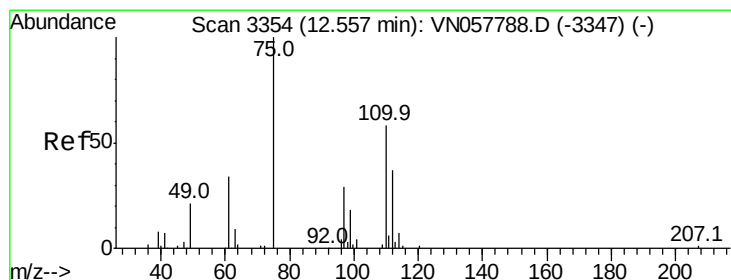
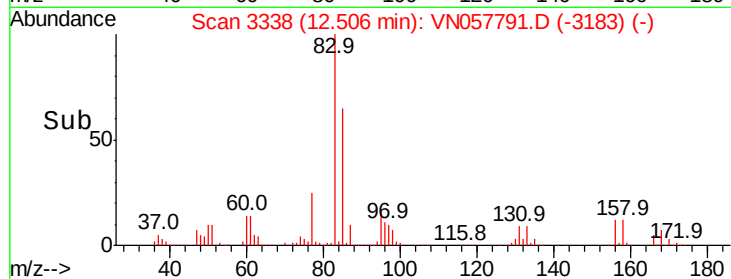
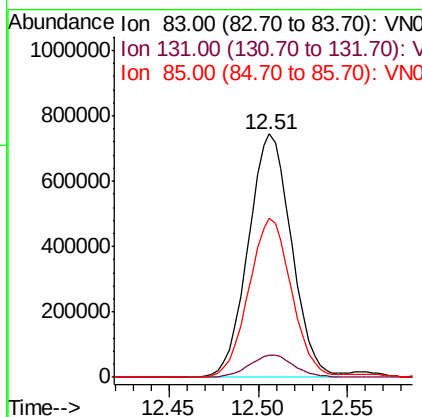
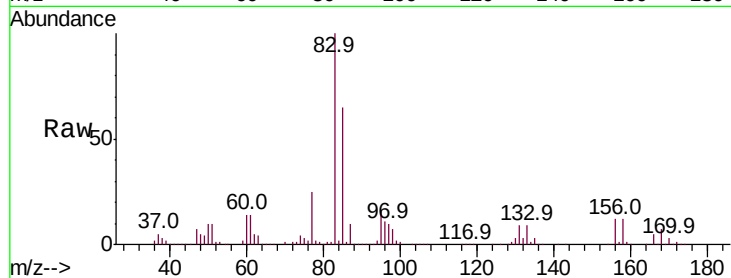




#71
 1,1,2,2-Tetrachloroethane
 Concen: 150.650 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

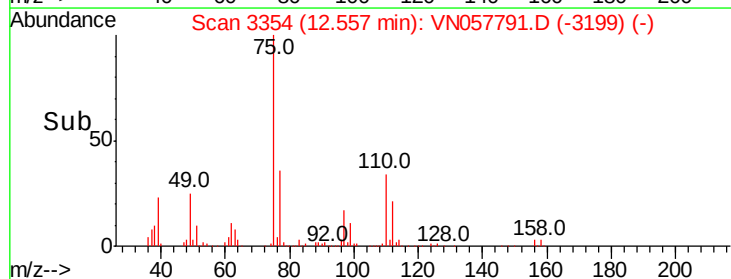
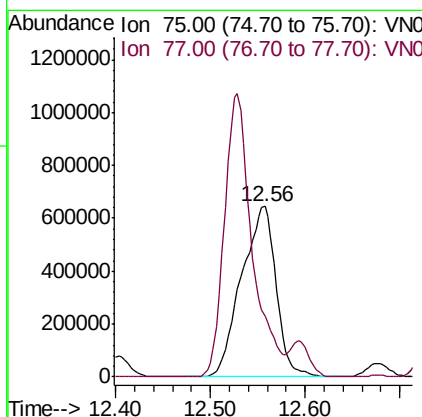
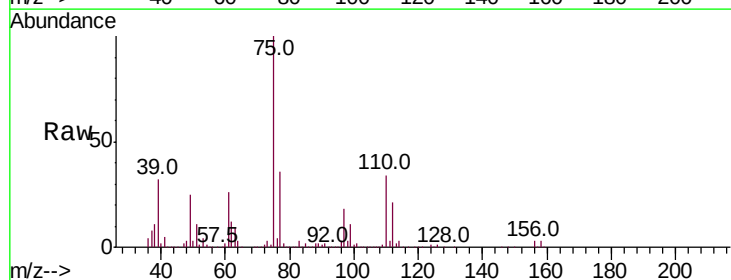
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

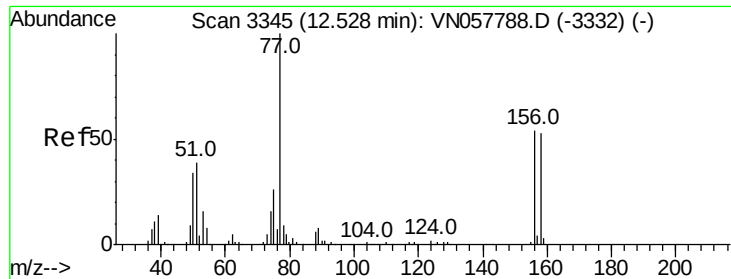
Tot Ion: 83 Resp: 1257563
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.9 14.6
 85 64.7 32.1 96.3



#72
 1,2,3-Trichloropropane
 Concen: 223.923 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Tgt Ion: 75 Resp: 1635723
 Ion Ratio Lower Upper
 75 100
 77 133.3 0.0 351.6





#73

Bromobenzene

Concen: 155.670 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

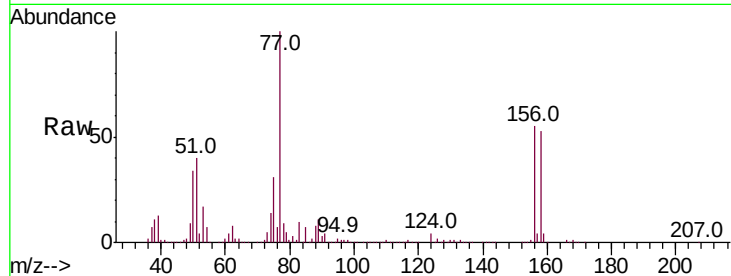
Tot Ion:156 Resp: 995442

Ion Ratio Lower Upper

156 100

77 219.0 0.0 446.6

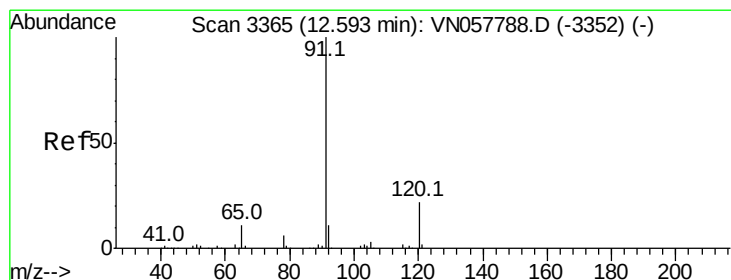
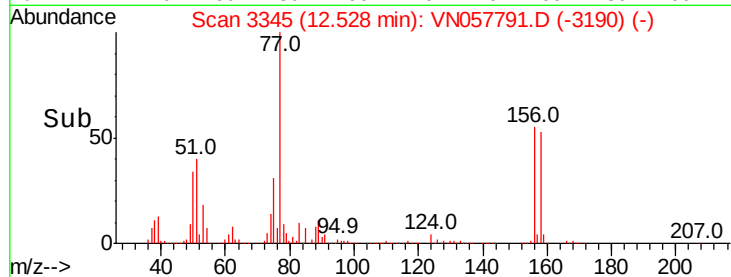
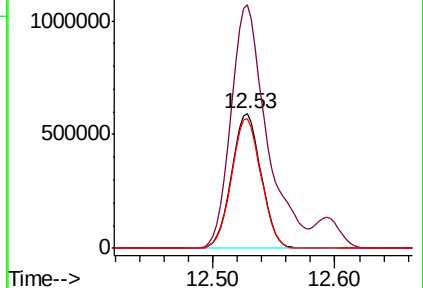
158 97.0 0.0 197.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 126.314 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057791.D

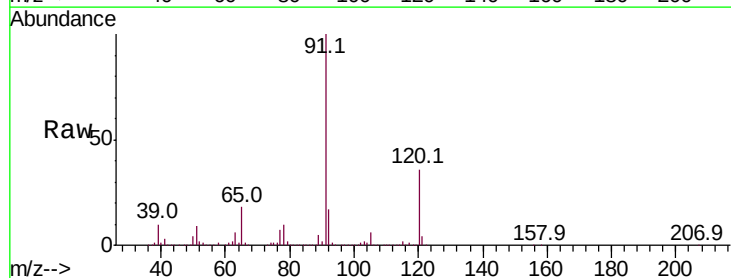
Acq: 9 Sep 2019 10:40

Tgt Ion: 91 Resp: 3854616

Ion Ratio Lower Upper

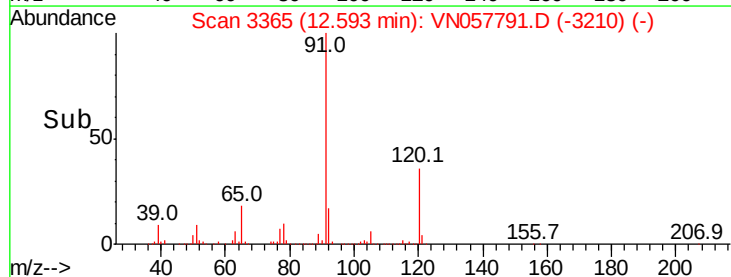
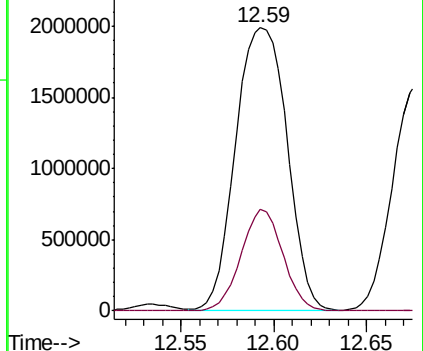
91 100

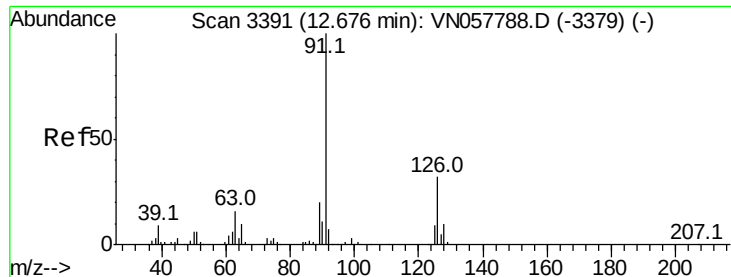
120 29.0 0.0 43.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 146.802 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

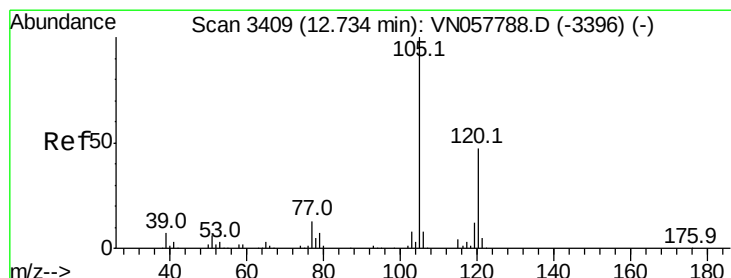
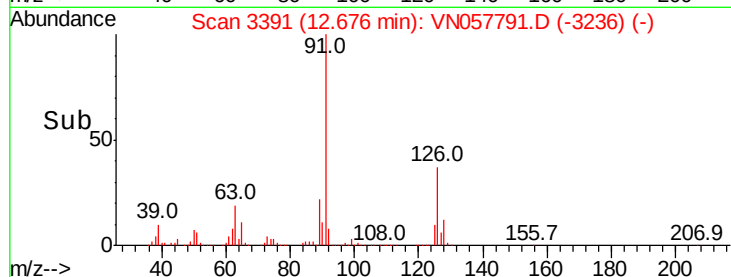
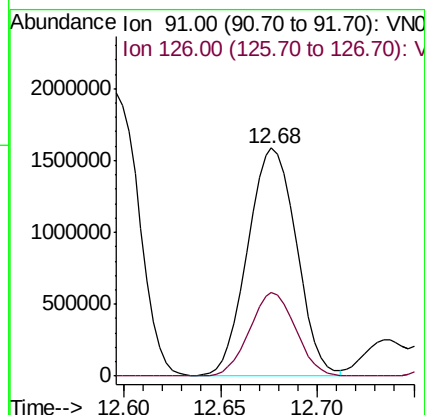
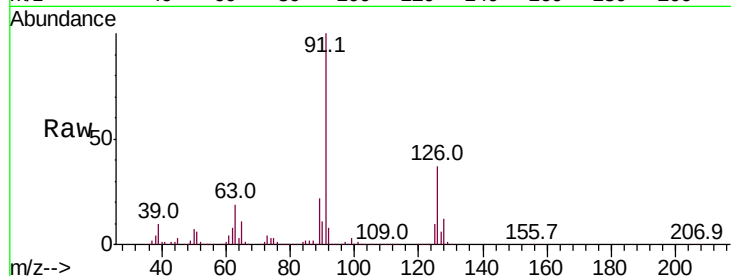
VSTDIC150

Tot Ion: 91 Resp: 2790332

Ion Ratio Lower Upper

91 100

126 34.7 0.0 64.8



#76

1,3,5-Trimethylbenzene

Concen: 139.488 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057791.D

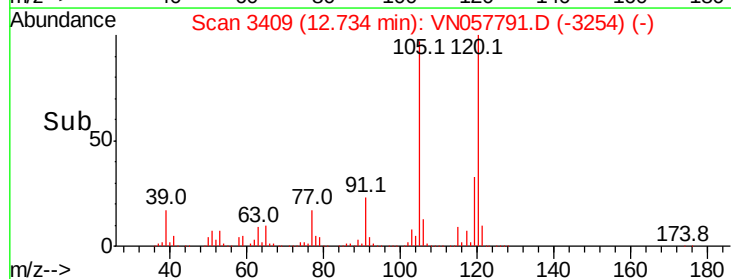
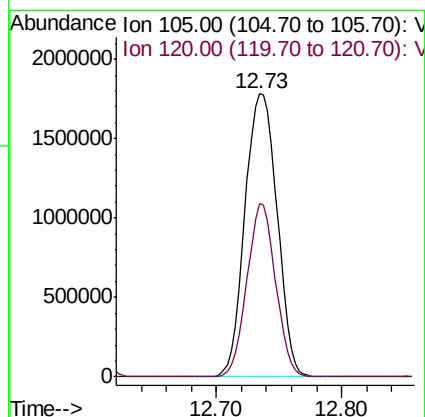
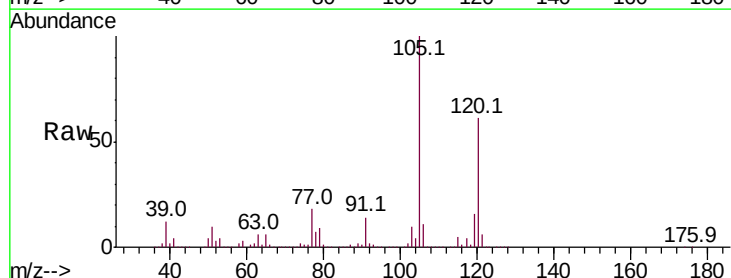
Acq: 9 Sep 2019 10:40

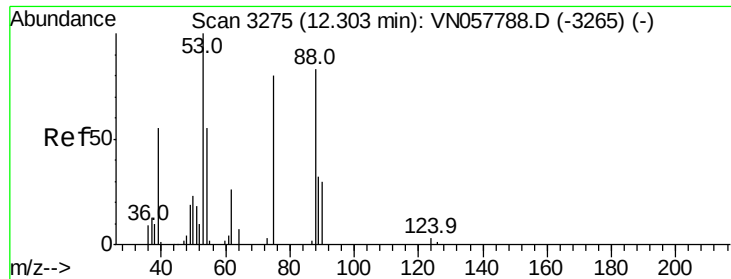
Tgt Ion:105 Resp: 3172540

Ion Ratio Lower Upper

105 100

120 54.6 0.0 94.4



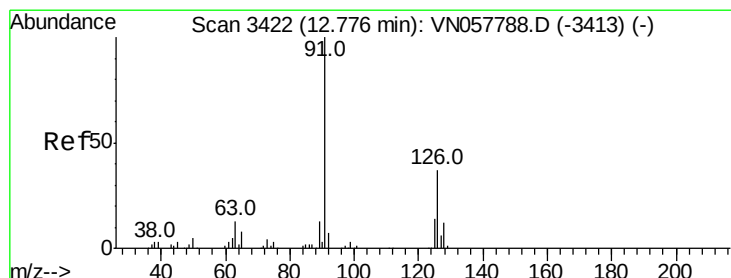
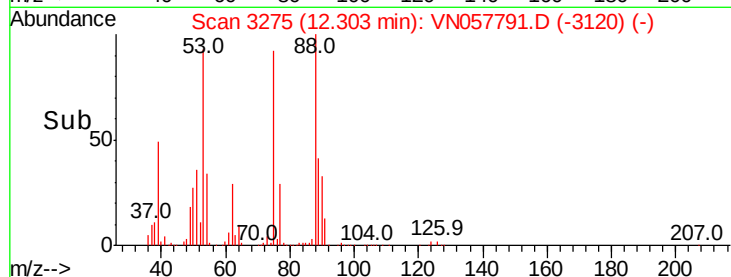
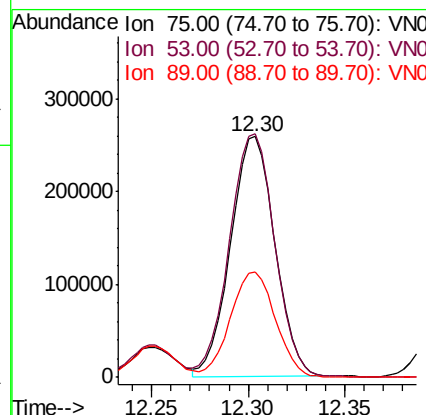
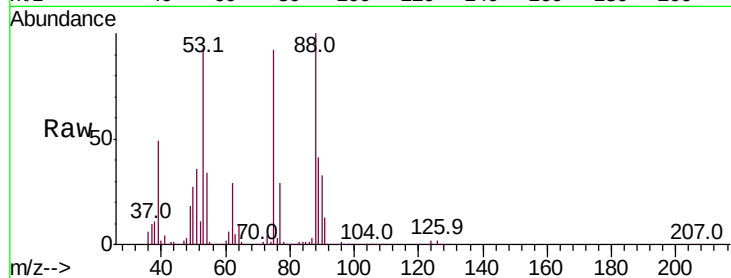


#77
t-1,4-Dichloro-2-butene
Concen: 187.699 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 412570

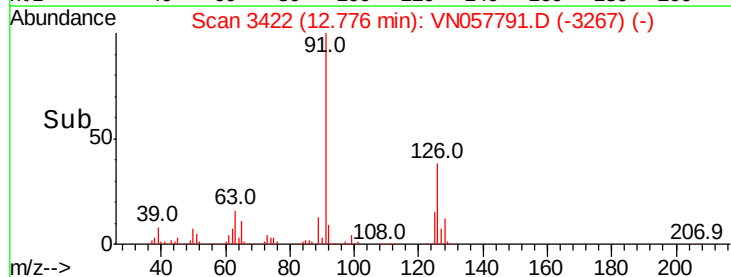
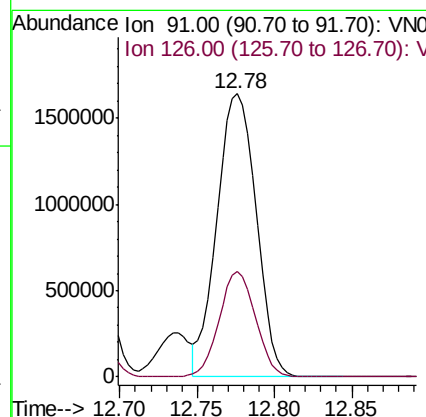
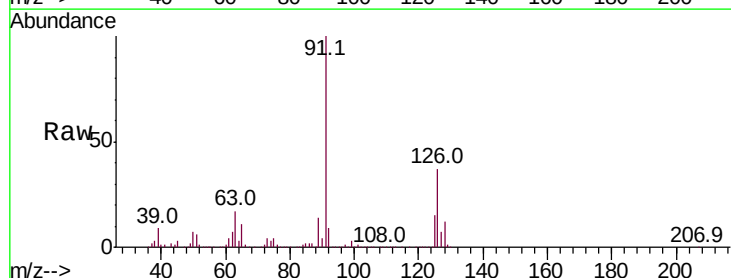
Ion	Ratio	Lower	Upper
75	100		
53	101.1	62.7	188.2
89	44.1	22.8	68.3

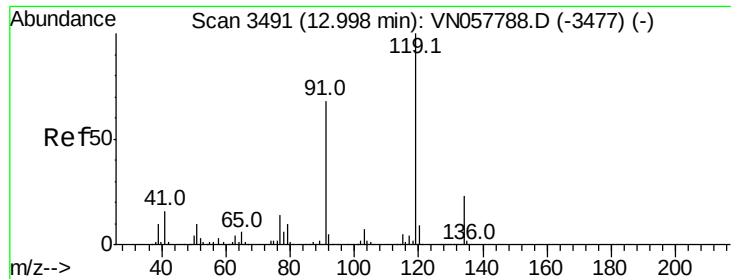


#78
4-Chlorotoluene
Concen: 149.473 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion: 91 Resp: 2898020

Ion	Ratio	Lower	Upper
91	100		
126	34.4	0.0	65.2

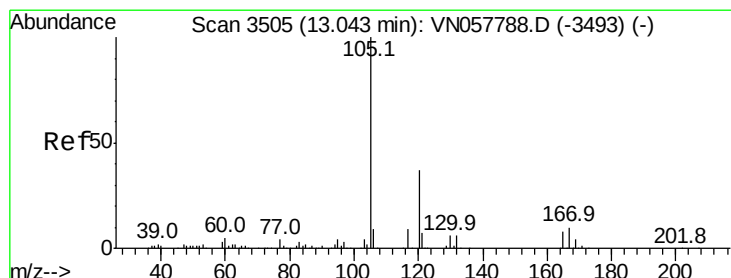
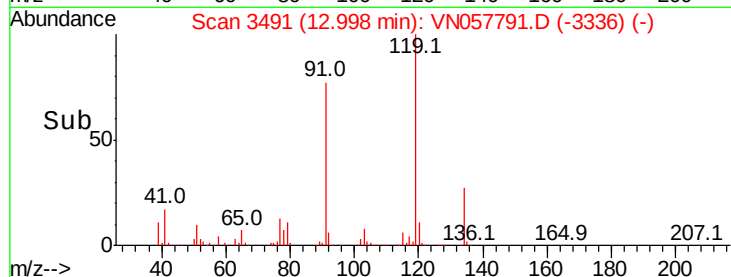
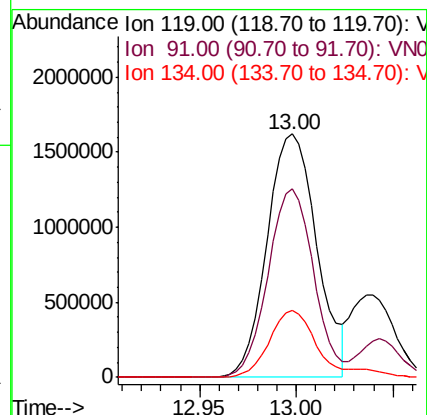
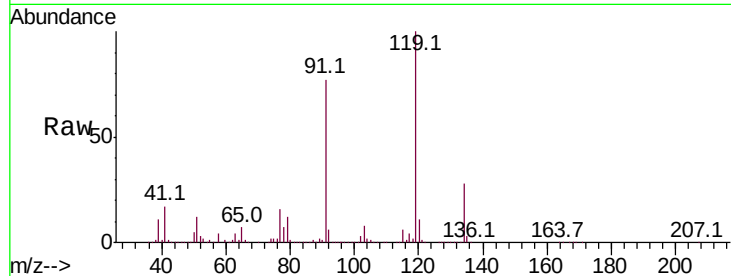




#79
tert-butylbenzene
Concen: 146.726 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

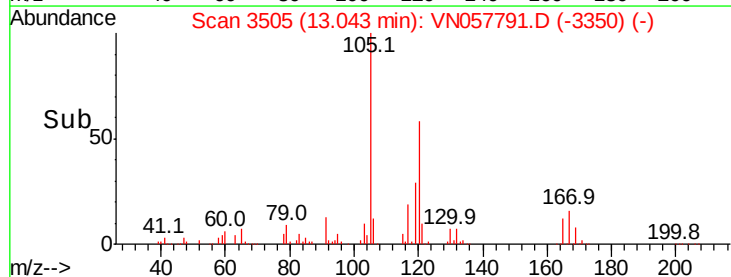
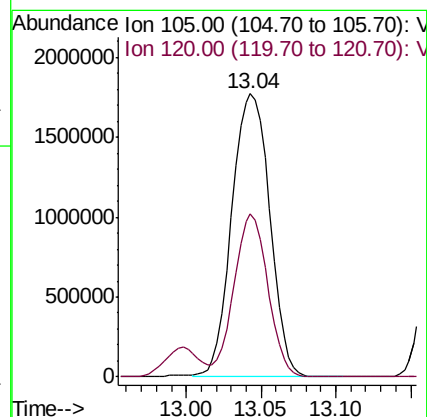
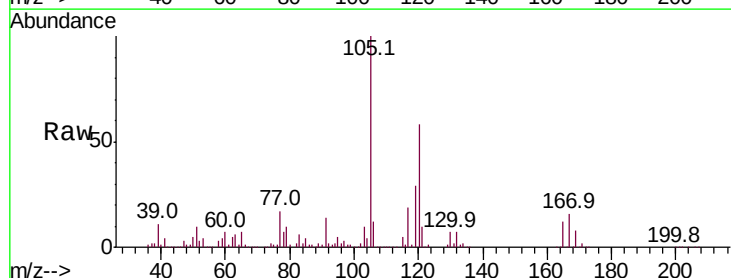
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

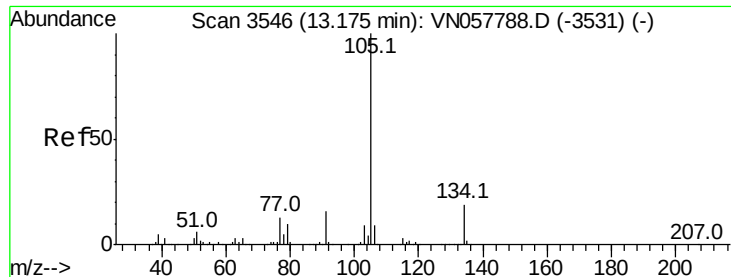
Tot Ion:119 Resp: 2911358
Ion Ratio Lower Upper
119 100
91 71.3 0.0 133.8
134 25.2 0.0 46.4



#80
1,2,4-Trimethylbenzene
Concen: 138.291 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion:105 Resp: 3133959
Ion Ratio Lower Upper
105 100
120 51.6 0.0 87.8

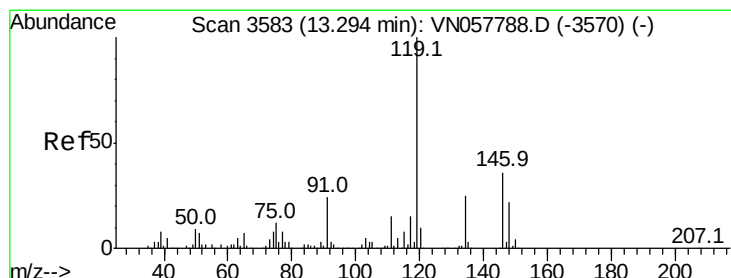
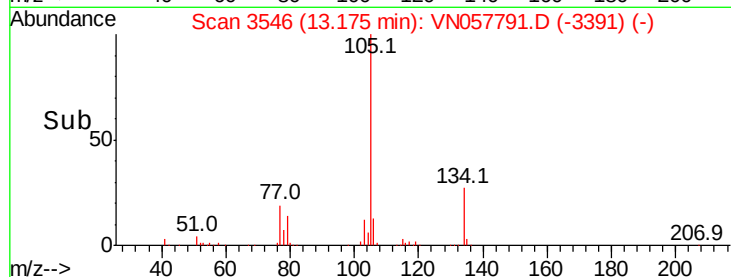
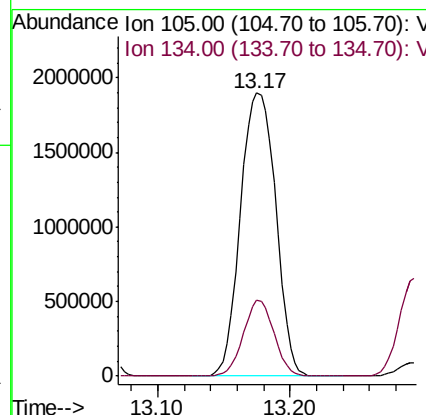
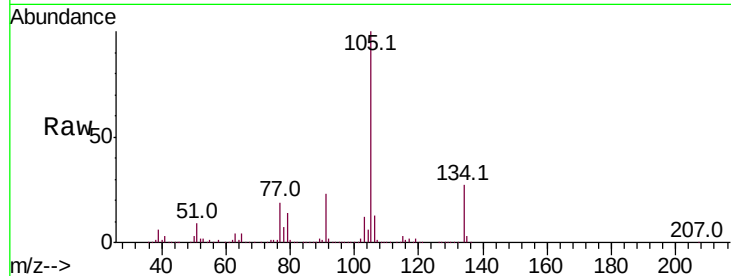




#81
 sec-Butylbenzene
 Concen: 133.153 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

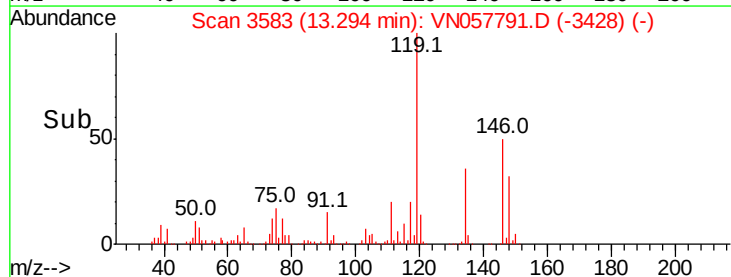
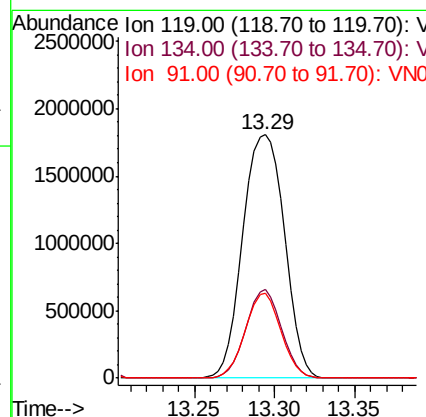
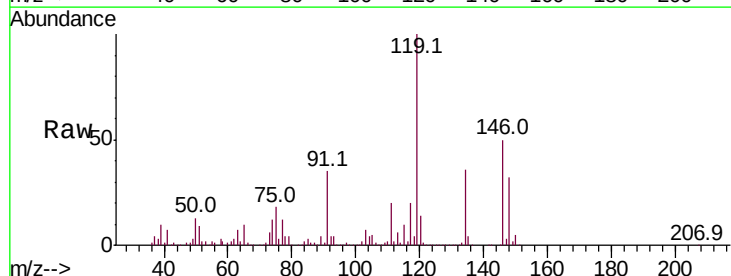
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

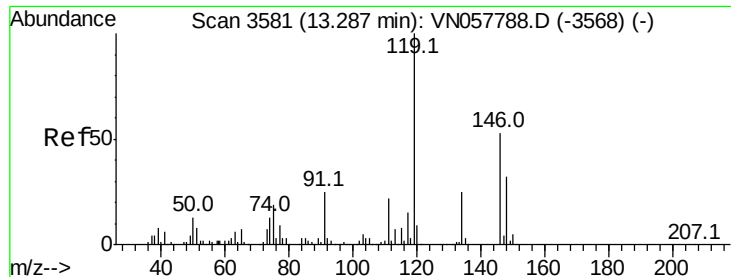
Tot Ion:105 Resp: 3505444
 Ion Ratio Lower Upper
 105 100
 134 23.2 0.0 37.6



#82
 p-Isopropyltoluene
 Concen: 136.322 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Tgt Ion:119 Resp: 3214028
 Ion Ratio Lower Upper
 119 100
 134 31.1 0.0 50.4
 91 29.8 0.0 48.8





#83

1,3-Dichlorobenzene

Concen: 156.239 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

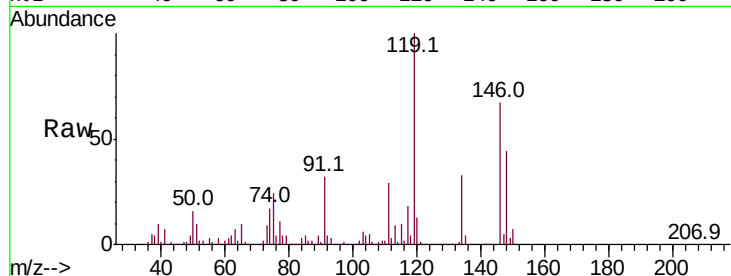
Tot Ion:146 Resp: 1857044

Ion Ratio Lower Upper

146 100

111 42.2 20.7 62.1

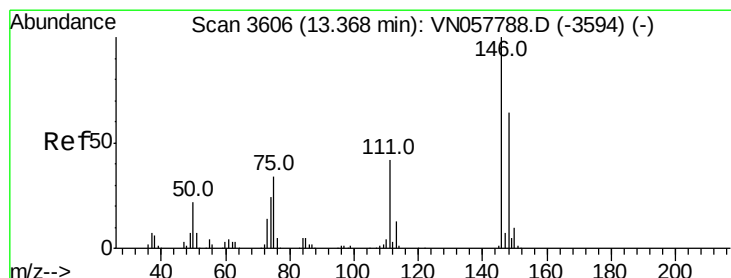
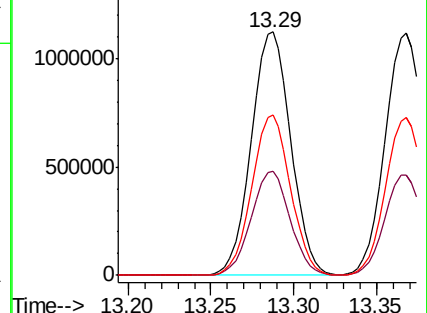
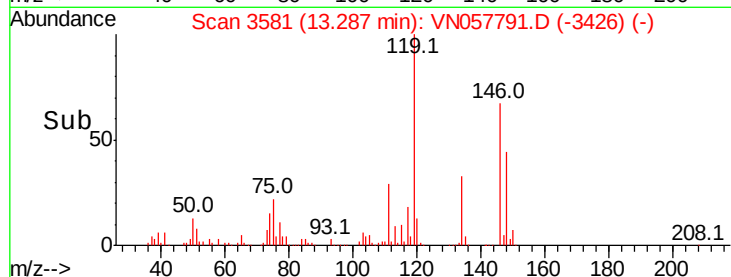
148 64.5 30.9 92.5



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



#84

1,4-Dichlorobenzene

Concen: 157.652 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

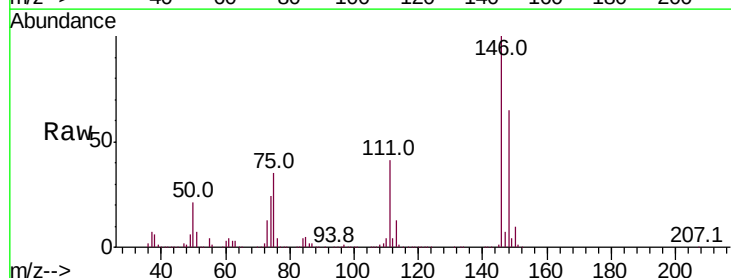
Tgt Ion:146 Resp: 1844841

Ion Ratio Lower Upper

146 100

111 40.9 21.1 63.4

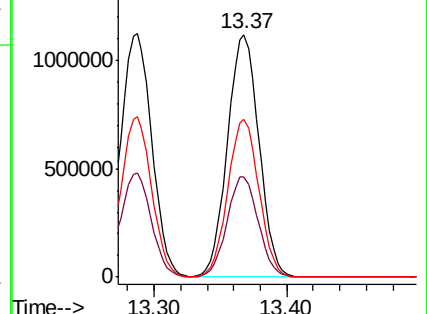
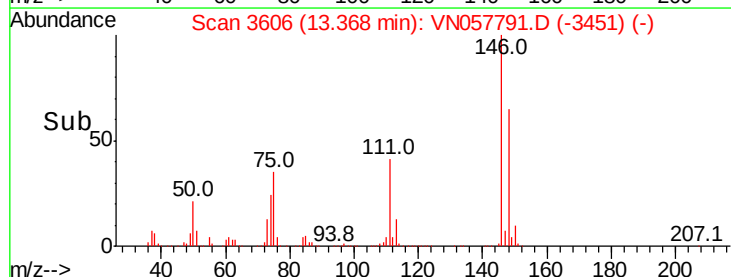
148 64.3 31.7 95.1

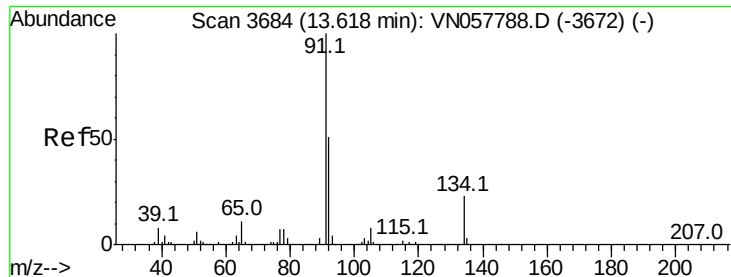


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 142.124 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

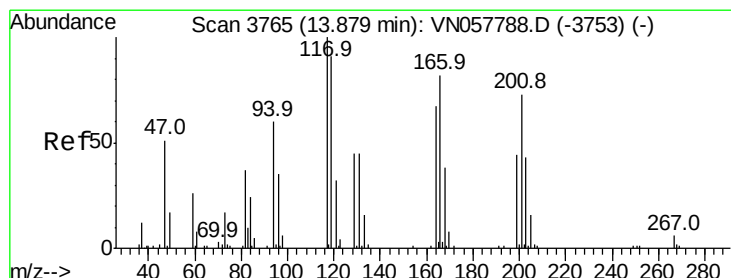
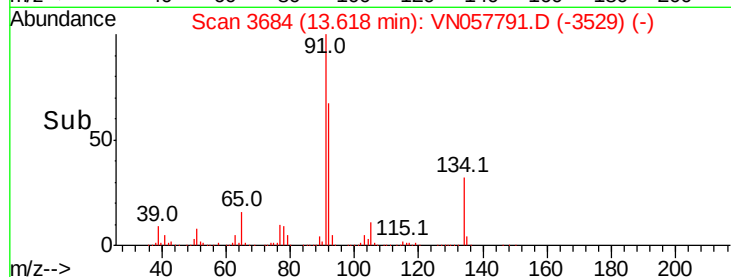
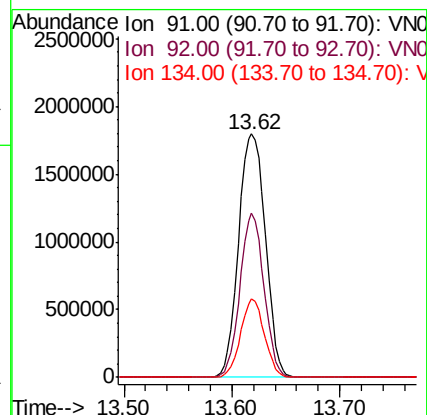
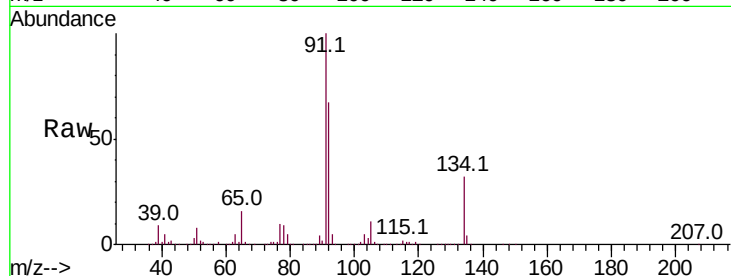
Tot Ion: 91 Resp: 3122852

Ion	Ratio	Lower	Upper
91	100		
92	60.3	0.0	100.0
134	28.6	0.0	46.6

91 100

92 60.3 0.0 100.0

134 28.6 0.0 46.6



#86

Hexachloroethane

Concen: 172.459 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN057791.D

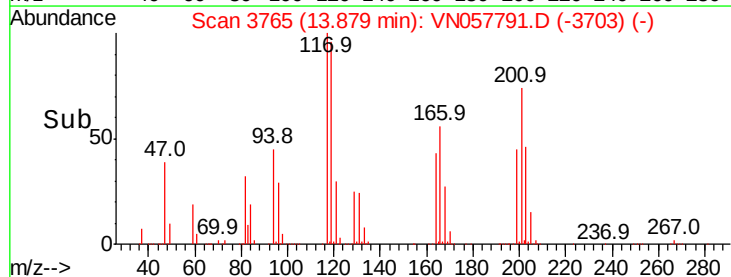
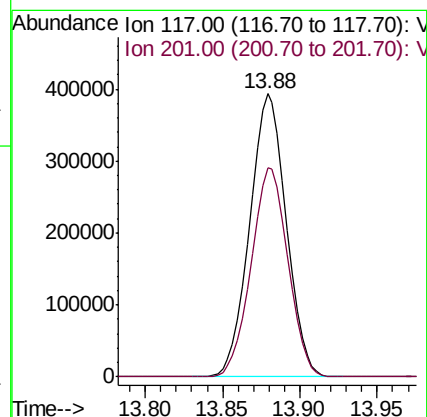
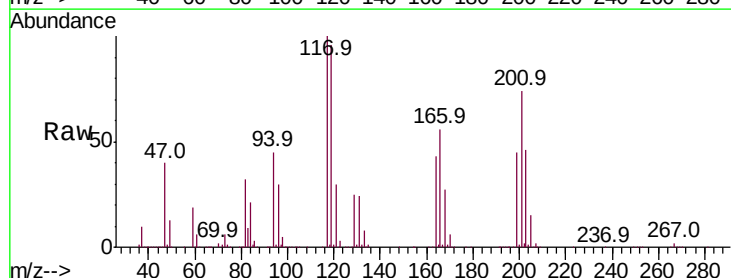
Acq: 9 Sep 2019 10:40

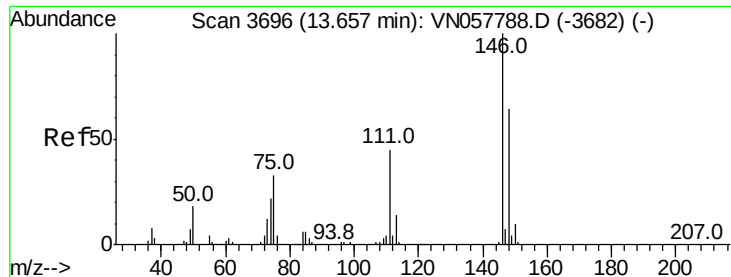
Tgt Ion: 117 Resp: 647644

Ion	Ratio	Lower	Upper
117	100		
201	74.4	36.7	110.1

117 100

201 74.4 36.7 110.1





#87

1,2-Dichlorobenzene

Concen: 155.058 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

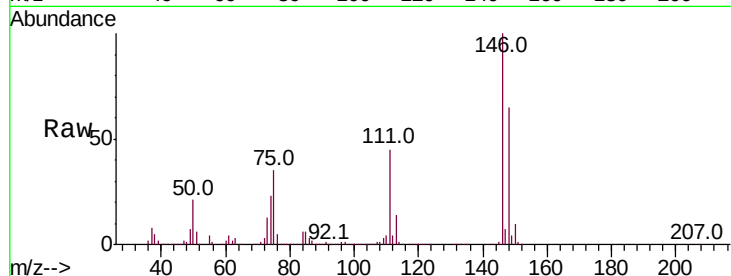
Tot Ion:146 Resp: 1789010

Ion Ratio Lower Upper

146 100

111 43.9 22.2 66.6

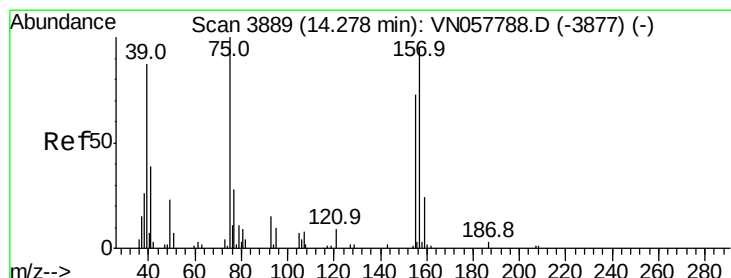
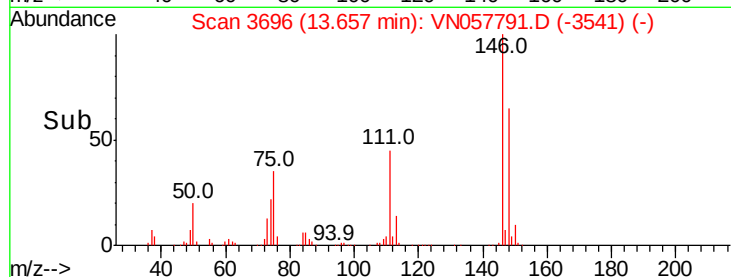
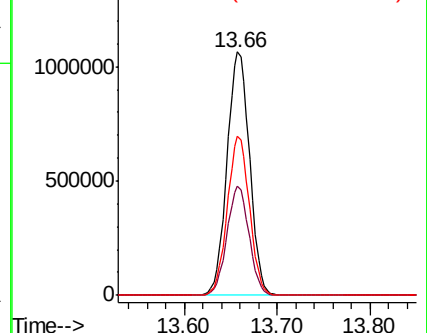
148 64.1 32.1 96.3



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: 161.434 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

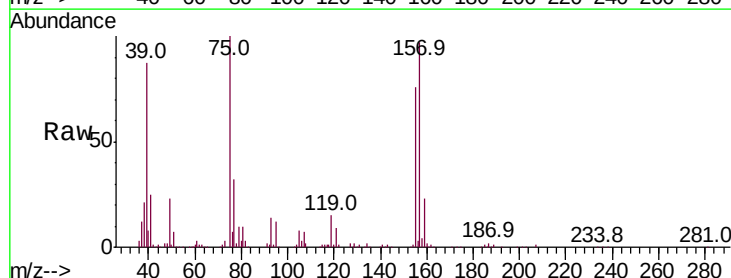
Tgt Ion: 75 Resp: 237270

Ion Ratio Lower Upper

75 100

155 76.2 59.4 89.2

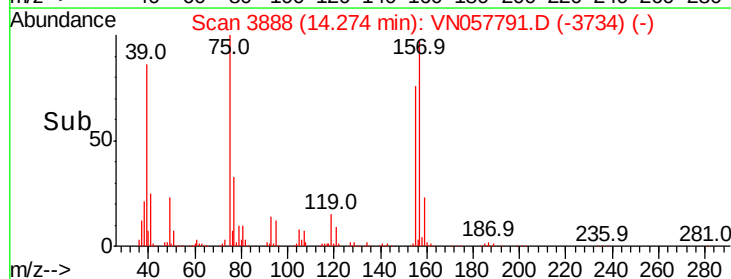
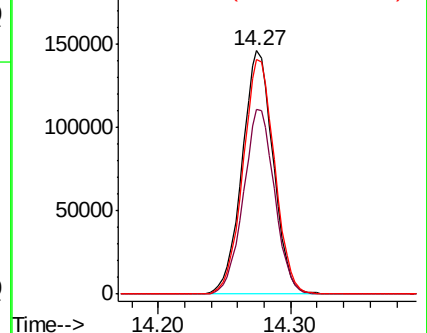
157 97.8 74.6 112.0

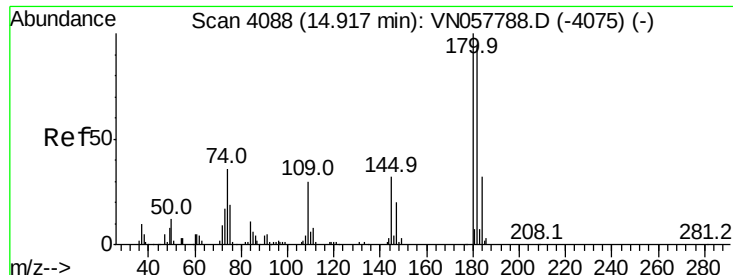


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

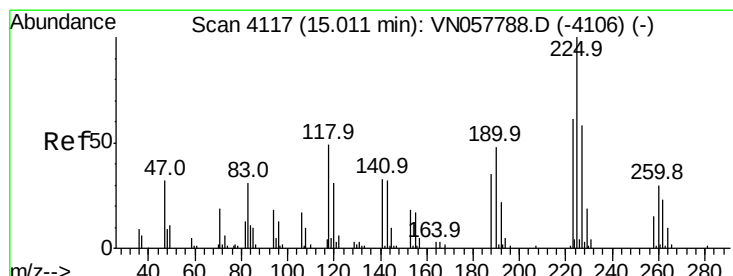
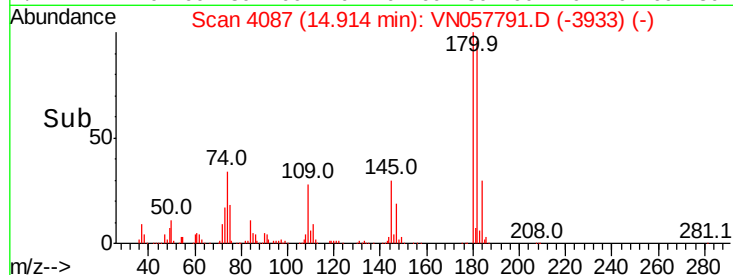
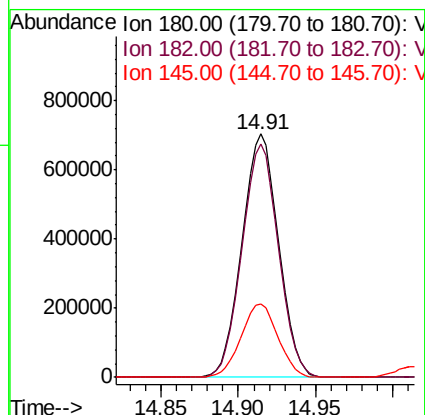
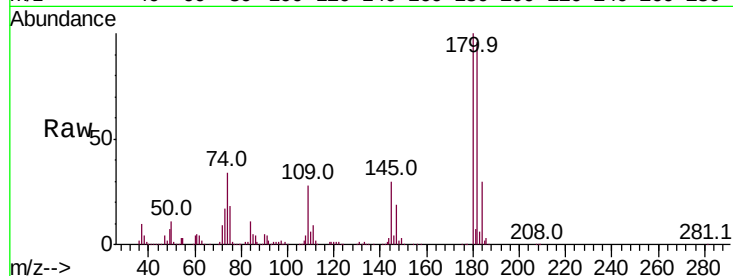




#89
 1,2,4-Trichlorobenzene
 Concen: 164.423 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

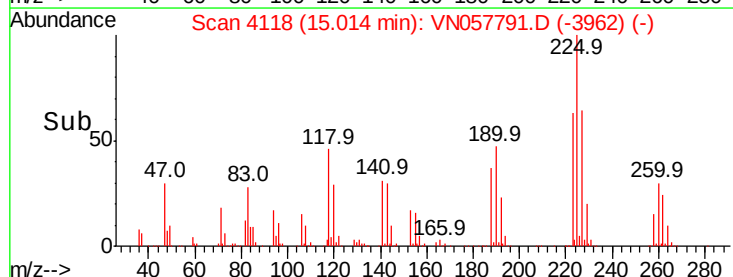
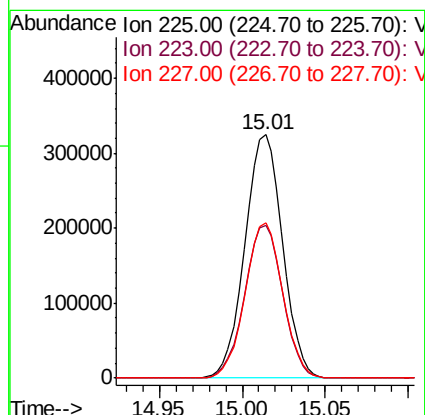
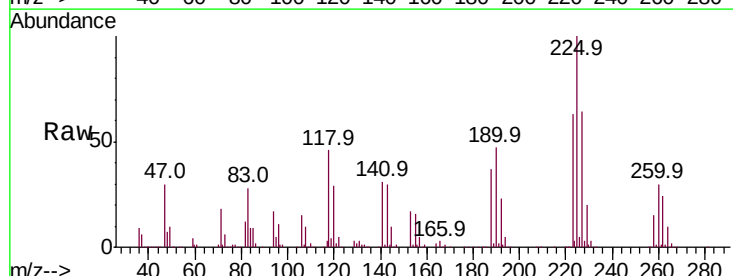
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

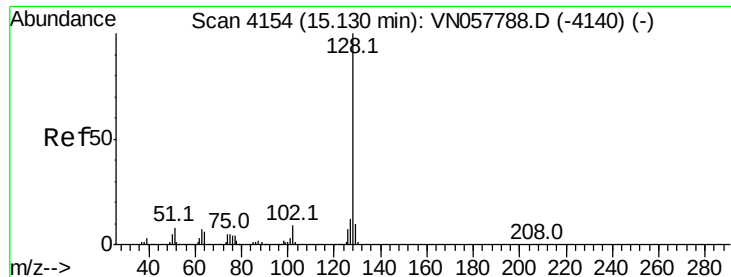
Tot Ion:180 Resp: 1158840
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.0 115.4
 145 30.5 26.1 39.1



#90
 Hexachlorobutadiene
 Concen: 158.745 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Tgt Ion:225 Resp: 513828
 Ion Ratio Lower Upper
 225 100
 223 63.2 0.0 125.0
 227 63.2 0.0 123.8





#91

Naphthalene

Concen: 154.752 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

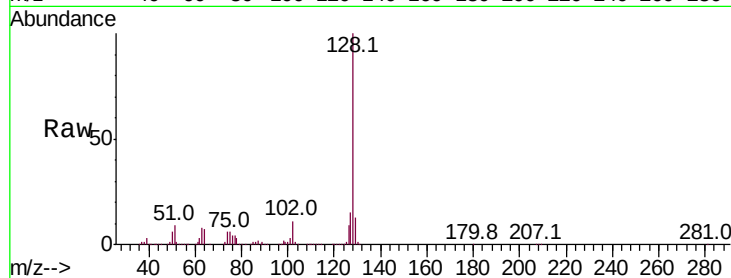
MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 3001016

Ion	Ratio	Lower	Upper
128	100		
127	13.9	9.9	14.9
129	11.8	8.1	12.1

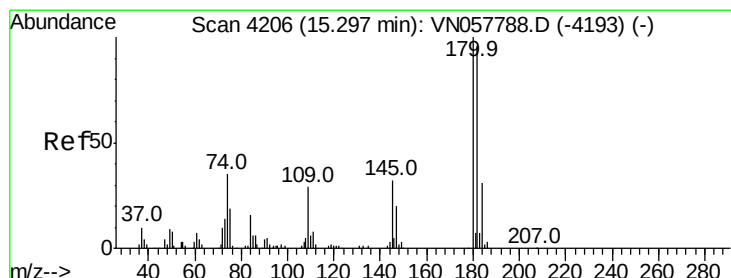
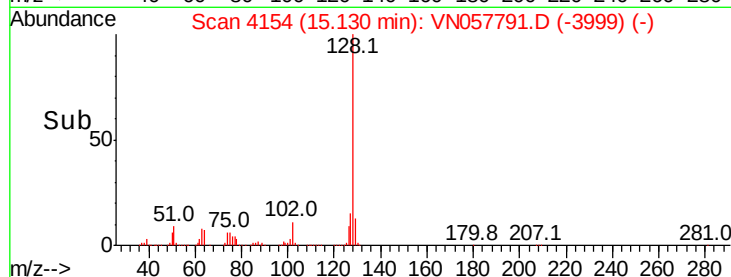
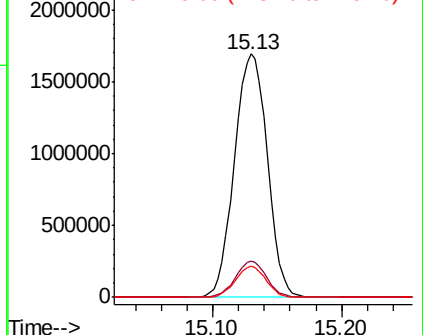


Abundance

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: 164.488 ug/l

RT: 15.30 min Scan# 4206

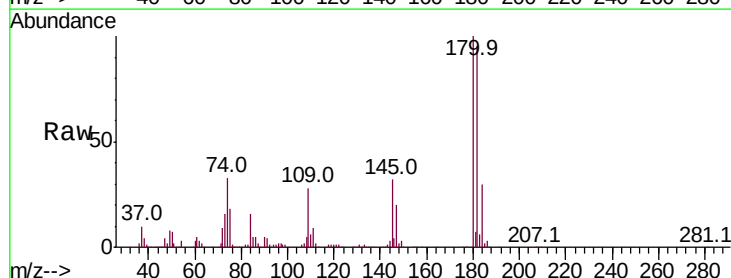
Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Tgt Ion:180 Resp: 1105618

Ion	Ratio	Lower	Upper
180	100		
182	95.5	0.0	189.8
145	32.0	0.0	65.0



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

