

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090919\
 Data File : VN057788.D
 Acq On : 9 Sep 2019 9:35
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Quant Time: Sep 09 11:51:51 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	7.18	128	67099	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	411024	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	364707	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	186547	31.43	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.77%
60) 4-Bromofluorobenzene	12.40	95	181759	29.12	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.07%
63) Toluene-d8	10.08	98	533708	30.49	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	79785	19.680	ug/l 100
3) Chloromethane	2.03	50	100231	19.828	ug/l 100
4) Vinyl Chloride	2.16	62	104711	20.246	ug/l 100
5) Bromomethane	2.54	94	67151	20.708	ug/l 100
6) Chloroethane	2.68	64	65600	20.409	ug/l 100
7) Trichlorofluoromethane	2.99	101	134803	22.560	ug/l 100
8) Diethyl Ether	3.39	74	47683	19.781	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	74225	19.893	ug/l 100
10) 1,1-Dichloroethene	3.71	96	69173	19.496	ug/l 100
11) Methyl Iodide	3.93	142	92040	19.389	ug/l 100
12) Methyl Acetate	4.30	43	97588	20.015	ug/l 100
13) Acrolein	3.59	56	23613	89.382	ug/l 100
14) Acrylonitrile	4.96	53	196183	98.837	ug/l 100
15) Acetone	3.80	58	60190	106.812	ug/l 100
16) Carbon Disulfide	4.03	76	154179	18.661	ug/l 100
17) Allyl chloride	4.30	41	123815	19.045	ug/l 100
18) Methylene Chloride	4.53	84	87047	19.469	ug/l 100
19) trans-1,2-Dichloroethene	5.02	96	77087	19.494	ug/l 100
20) Diisopropyl ether	5.93	45	294768	19.394	ug/l 100
21) 1,1-Dichloroethane	5.83	63	166670	19.887	ug/l 100
22) cis-1,2-Dichloroethene	6.81	96	94798	19.566	ug/l 100
23) tert-Butyl Alcohol	4.77	59	65764	101.489	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	267492	19.672	ug/l # 100
25) Chloroform	7.36	83	166830	19.553	ug/l 100
26) Cyclohexane	7.64	56	135874	19.296	ug/l 100
29) 1,1-Dichloropropene	7.78	75	121470	18.786	ug/l 100
30) 2-Butanone	6.82	43	282174	96.785	ug/l 100
31) 2,2-Dichloropropane	6.81	77	124006	18.165	ug/l 100
32) 1,1,1-Trichloroethane	7.55	97	136769	18.813	ug/l 100
33) Carbon Tetrachloride	7.76	117	107062	18.053	ug/l 100
34) Benzene	8.03	78	362909	18.942	ug/l 100
35) Methacrylonitrile	7.19	41	166073	62.522	ug/l # 55
36) 1,2-Dichloroethane	8.11	62	140696	18.924	ug/l 100
37) Trichloroethene	8.83	130	87196	18.738	ug/l 100
38) Methylcyclohexane	9.07	83	136333	18.517	ug/l 100
39) 1,2-Dichloropropane	9.11	63	100912	18.755	ug/l 100
40) Dibromomethane	9.20	93	62181	19.001	ug/l 100

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

41) Bromodichloromethane	9.40	83	119329	18.087	ug/l	100
42) Vinyl Acetate	5.87	43	1176963	100.388	ug/l	100
43) Ethyl Acetate	6.91	43	114804	19.090	ug/l	100
44) Isopropyl Acetate	8.15	43	188694	18.120	ug/l	# 92
45) 1,4-Dioxane	9.19	88	30103	369.382	ug/l	100
46) Methyl methacrylate	9.19	41	91736	18.108	ug/l	100
47) n-amyl Acetate	12.07	43	168276	17.672	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	121948	17.362	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	139984	17.763	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	89572	18.870	ug/l	100
51) Ethyl methacrylate	10.43	69	132157	17.956	ug/l	100
52) 1,3-Dichloropropane	10.71	76	155956	18.787	ug/l	100
53) Dibromochloromethane	10.90	129	79664	16.994	ug/l	100
54) 1,2-Dibromoethane	11.00	107	86576	18.331	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	342604	97.961	ug/l	100
56) Bromoform	12.13	173	47430	16.332	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	582716	103.030	ug/l	100
59) 2-Hexanone	10.75	43	422276	99.494	ug/l	100
61) Tetrachloroethene	10.63	164	70707	19.068	ug/l	100
62) Toluene	10.15	91	394752	19.548	ug/l	100
64) Chlorobenzene	11.43	112	239993	19.158	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	79360	18.245	ug/l	100
66) Ethyl Benzene	11.51	91	435180	19.751	ug/l	100
67) m/p-Xylenes	11.62	106	318155	41.807	ug/l	100
68) o-Xylene	11.95	106	152593	18.516	ug/l	100
69) Styrene	11.97	104	260700	18.554	ug/l	100
70) Isopropylbenzene	12.25	105	430170	19.744	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	128501	18.872	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	153218	25.714	ug/l	73
73) Bromobenzene	12.53	156	94372	18.093	ug/l	100
74) n-propylbenzene	12.59	91	497796	19.998	ug/l	100
75) 2-Chlorotoluene	12.68	91	289925	18.700	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	357465	19.268	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	27735	15.469	ug/l	100
78) 4-Chlorotoluene	12.78	91	289813	18.325	ug/l	100
79) tert-butylbenzene	13.00	119	308790	19.079	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	356567	19.289	ug/l	100
81) sec-Butylbenzene	13.17	105	412680	19.217	ug/l	100
82) p-Isopropyltoluene	13.29	119	370828	19.282	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	176974	18.254	ug/l	100
84) 1,4-Dichlorobenzene	13.37	146	171091	17.924	ug/l	100
85) n-Butylbenzene	13.62	91	340587	19.003	ug/l	100
86) Hexachloroethane	13.88	117	50540	16.499	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	170997	18.169	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.28	75	20958	17.481	ug/l	100
89) 1,2,4-Trichlorobenzene	14.92	180	100860	17.544	ug/l	100
90) Hexachlorobutadiene	15.01	225	49252	18.654	ug/l	100
91) Naphthalene	15.13	128	289120	18.278	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	98568	17.978	ug/l	100

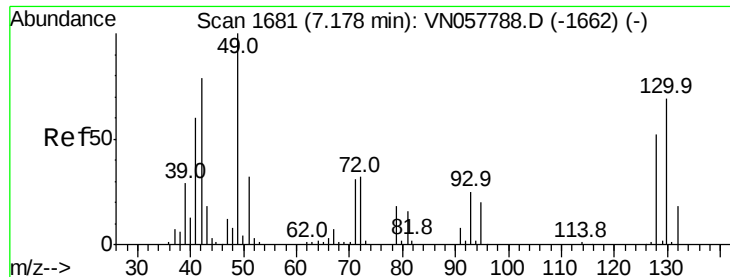
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

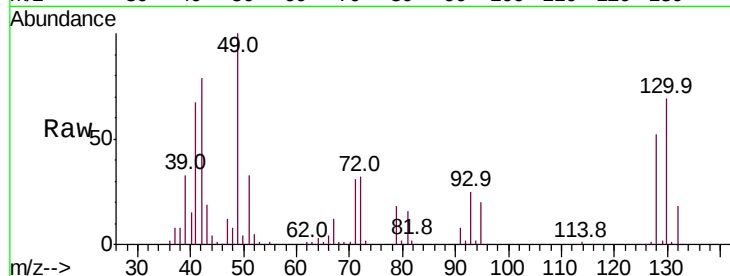
Tot Ion:128 Resp: 67099

Ion Ratio Lower Upper

128 100

49 194.6 0.0 486.5

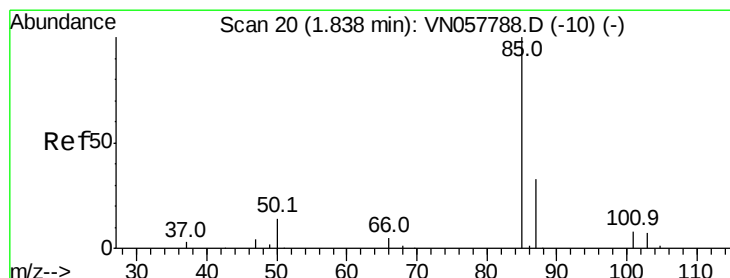
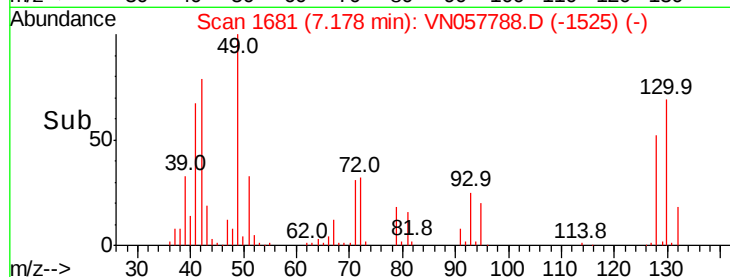
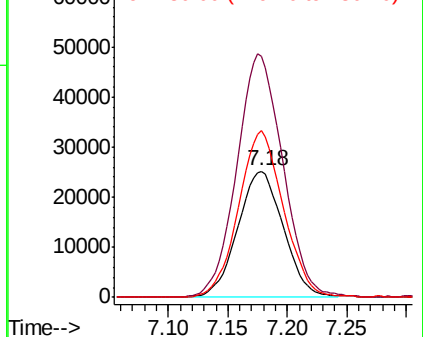
130 129.8 0.0 324.5



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: 19.680 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN057788.D

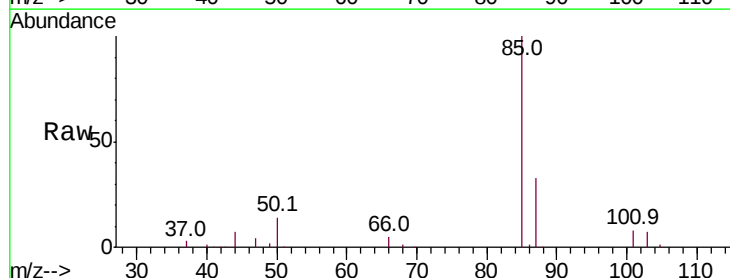
Acq: 9 Sep 2019 9:35

Tgt Ion: 85 Resp: 79785

Ion Ratio Lower Upper

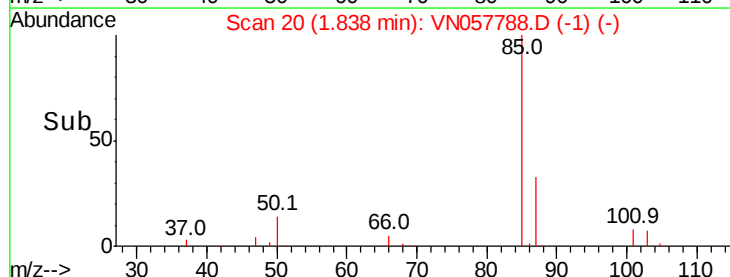
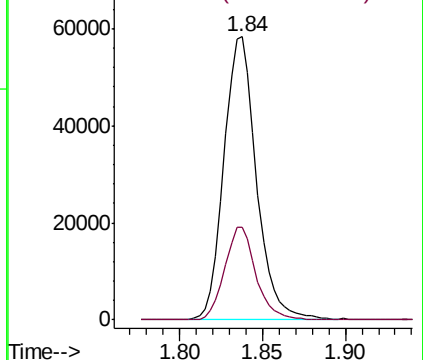
85 100

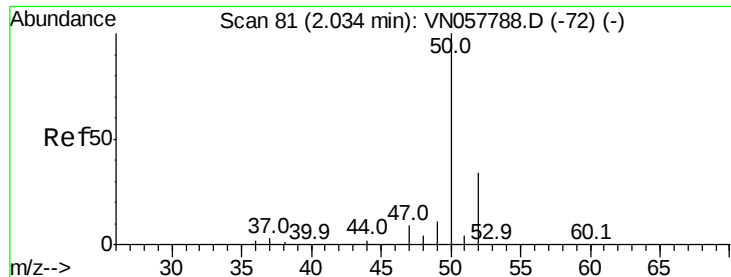
87 32.9 16.4 49.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.828 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

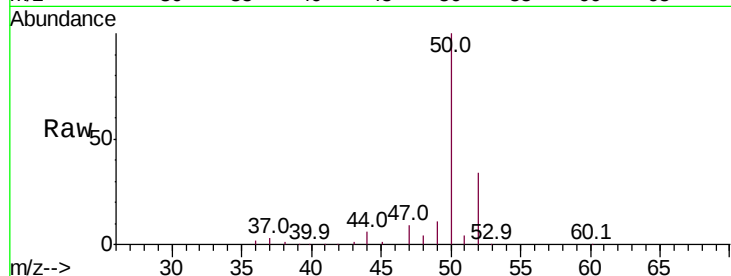
VSTDICCC020

Tot Ion: 50 Resp: 100231

Ion Ratio Lower Upper

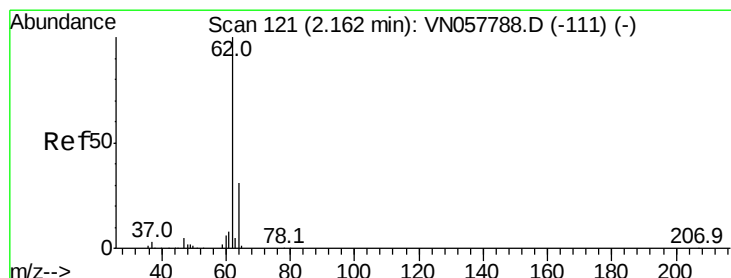
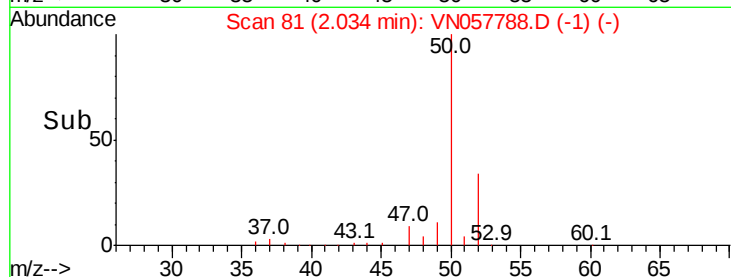
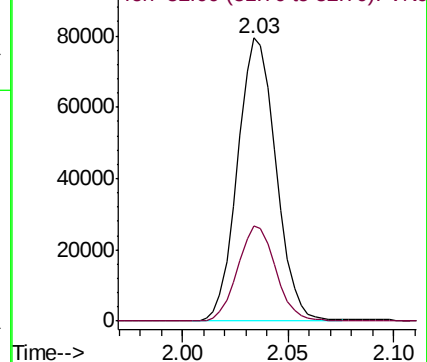
50 100

52 33.6 26.9 40.3



Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 20.246 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057788.D

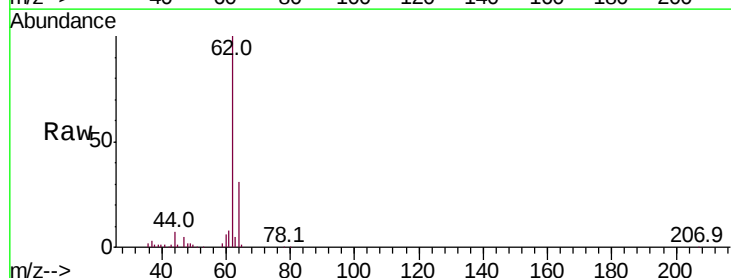
Acq: 9 Sep 2019 9:35

Tgt Ion: 62 Resp: 104711

Ion Ratio Lower Upper

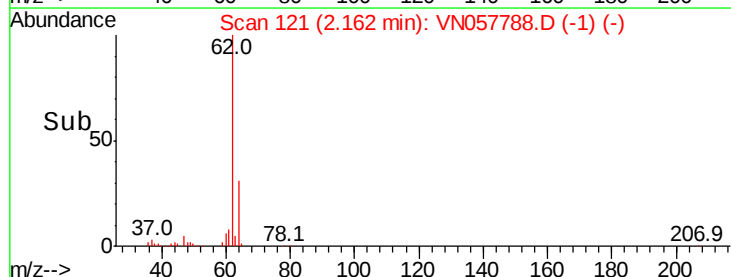
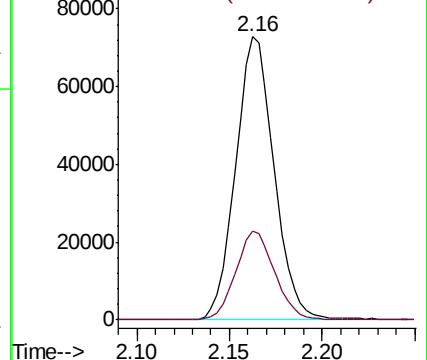
62 100

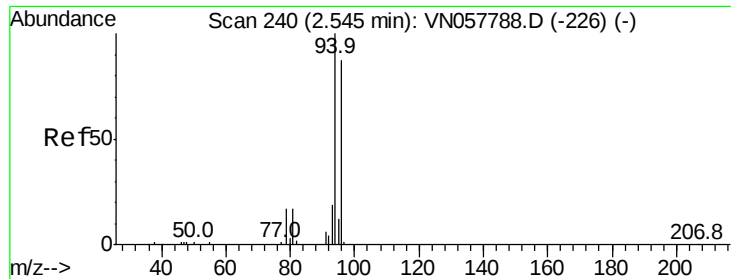
64 31.3 25.0 37.6



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 20.708 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

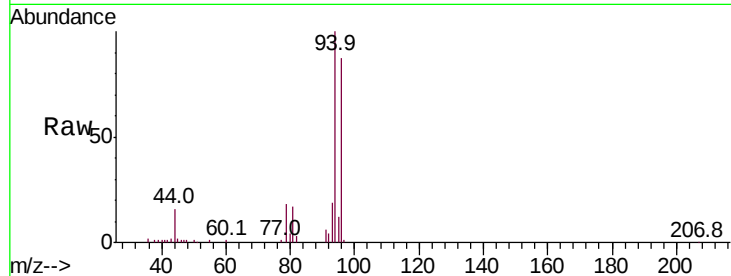
VSTDICCC020

Tot Ion: 94 Resp: 67151

Ion Ratio Lower Upper

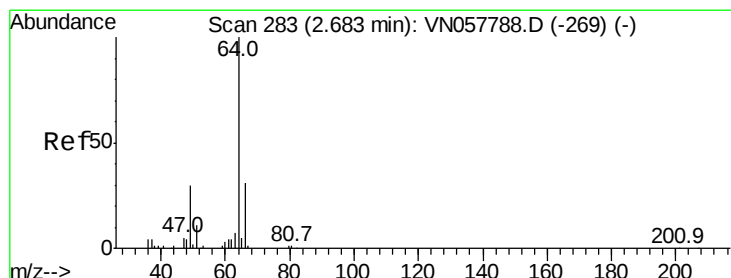
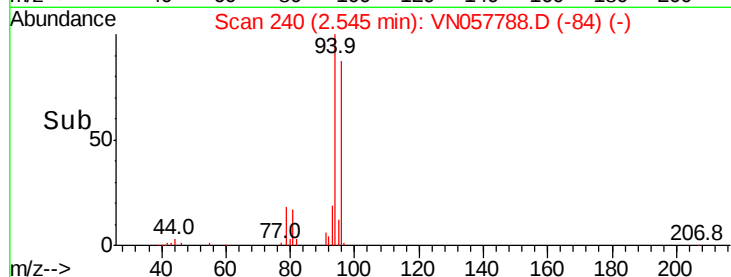
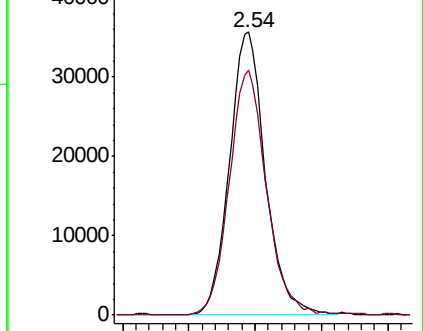
94 100

96 86.5 69.2 103.8



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.409 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN057788.D

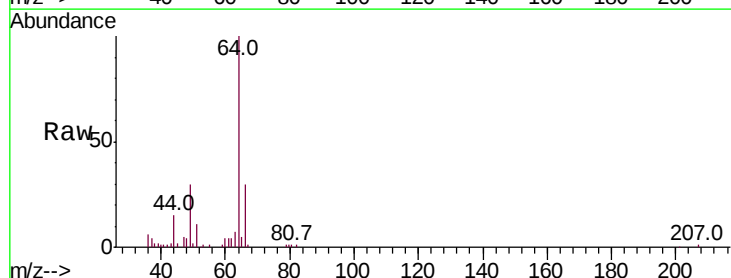
Acq: 9 Sep 2019 9:35

Tgt Ion: 64 Resp: 65600

Ion Ratio Lower Upper

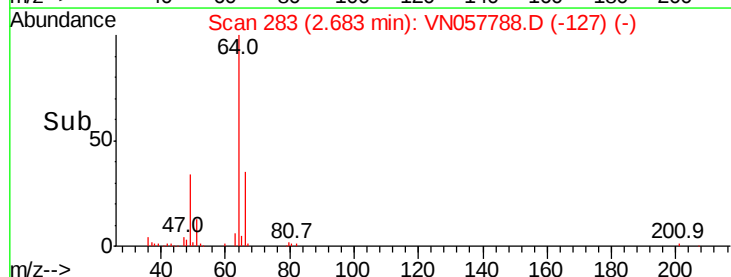
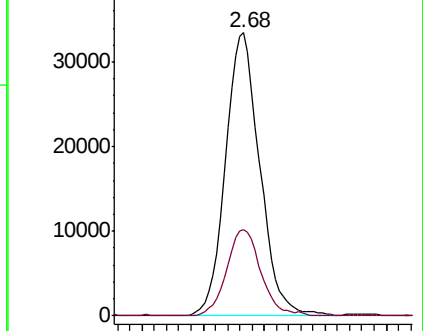
64 100

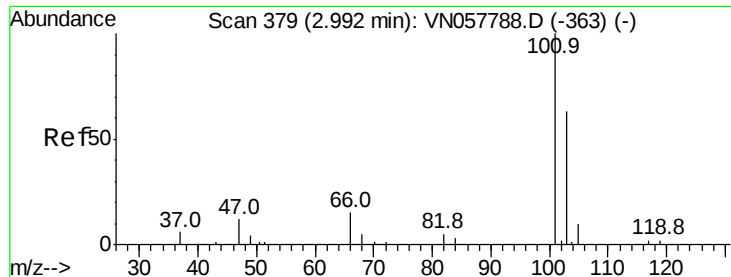
66 30.5 24.4 36.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



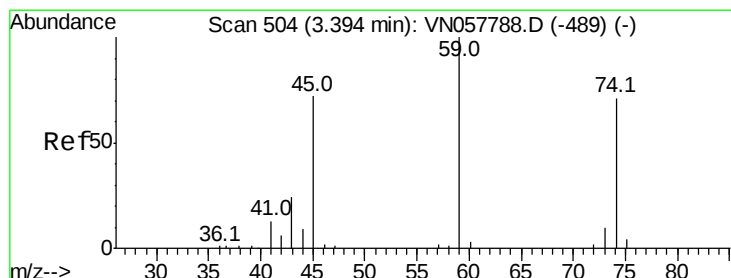
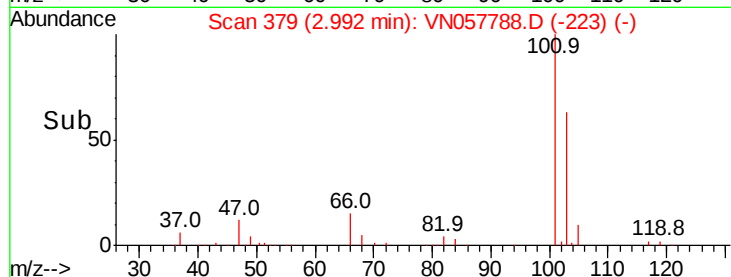
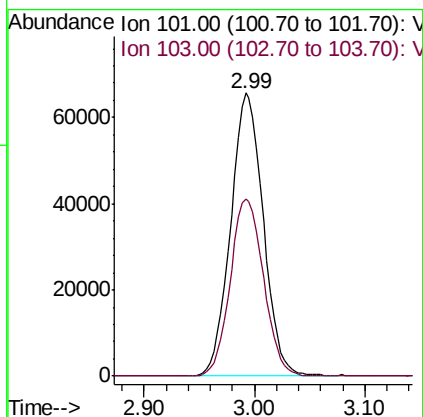
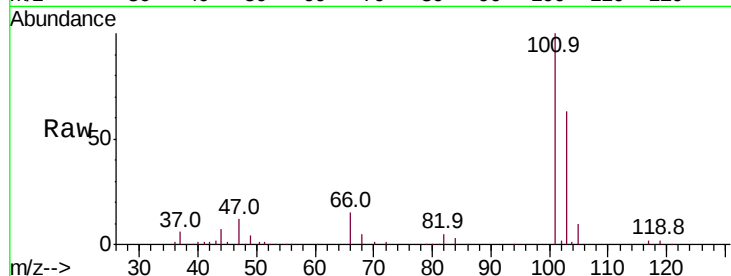


#7

Trichlorofluoromethane
 Concen: 22.560 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. 0.00 min
 Lab File: VN057788.D
 Acq: 9 Sep 2019 9:35

Instrument :
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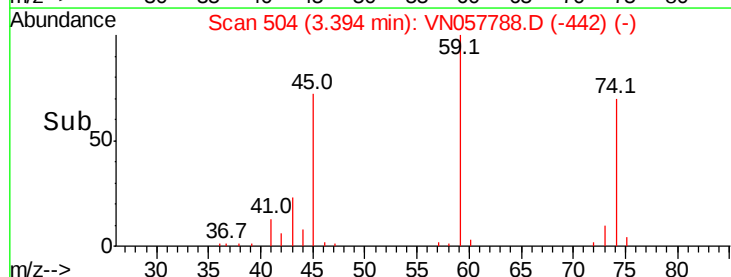
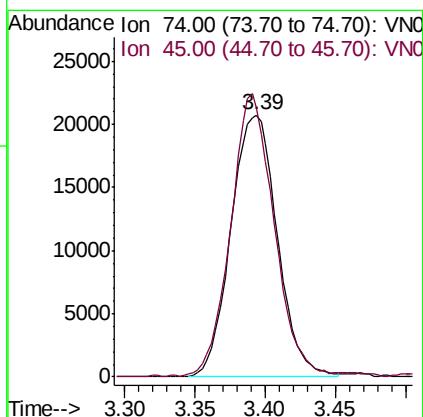
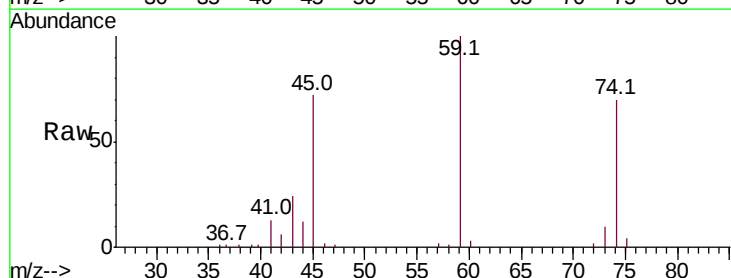
Tot Ion:101 Resp: 134803
 Ion Ratio Lower Upper
 101 100
 103 62.7 50.2 75.2

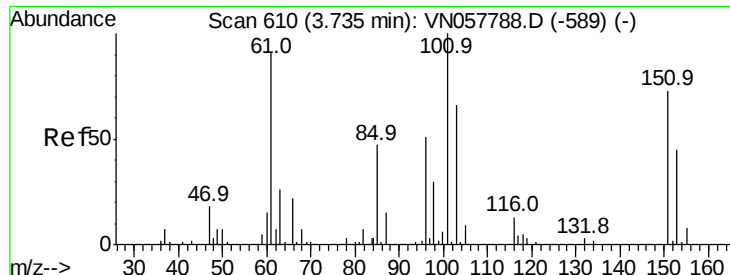


#8

Diethyl Ether
 Concen: 19.781 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VN057788.D
 Acq: 9 Sep 2019 9:35

Tgt Ion: 74 Resp: 47683
 Ion Ratio Lower Upper
 74 100
 45 101.4 20.3 182.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.893 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

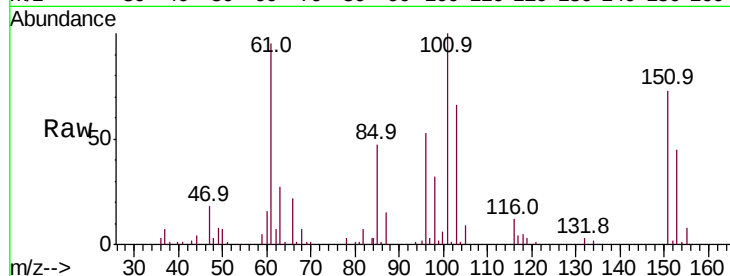
Tot Ion:101 Resp: 74225

Ion Ratio Lower Upper

101 100

85 47.0 0.0 94.0

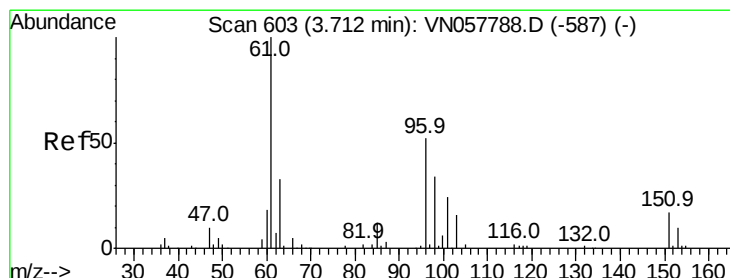
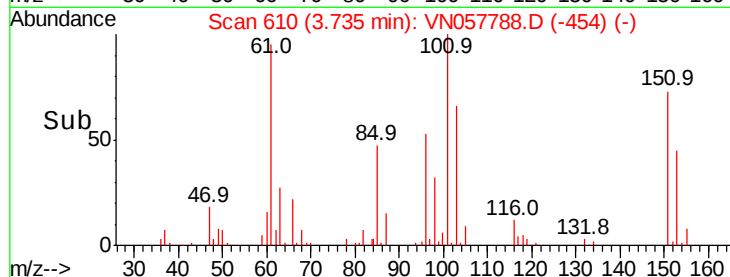
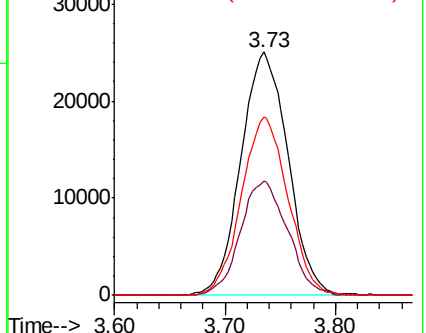
151 72.2 0.0 144.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.496 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

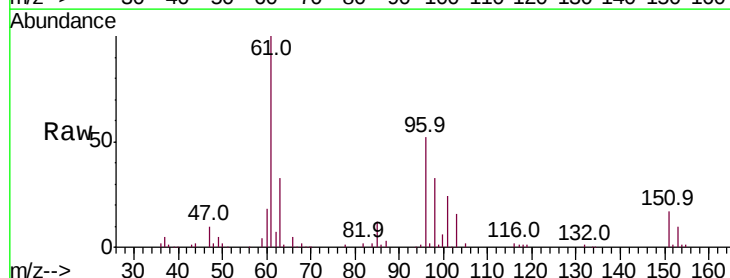
Tgt Ion: 96 Resp: 69173

Ion Ratio Lower Upper

96 100

61 191.7 153.4 230.0

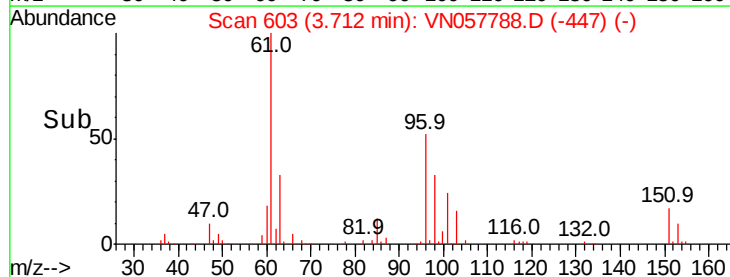
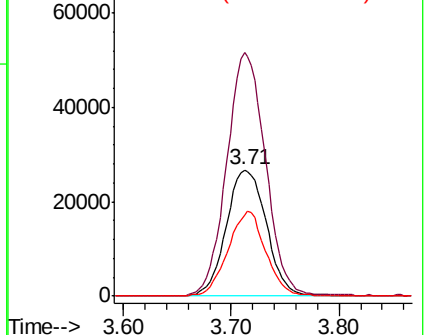
98 64.4 51.5 77.3

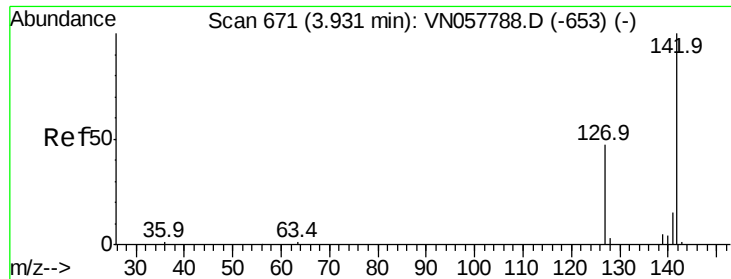


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

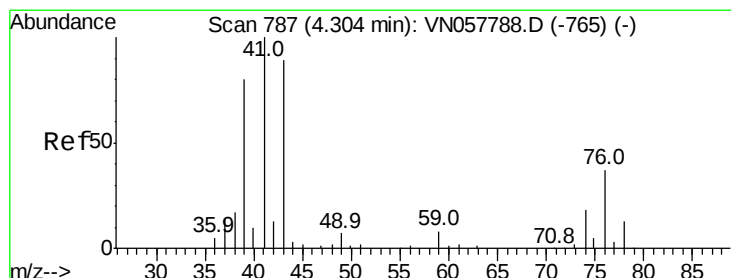
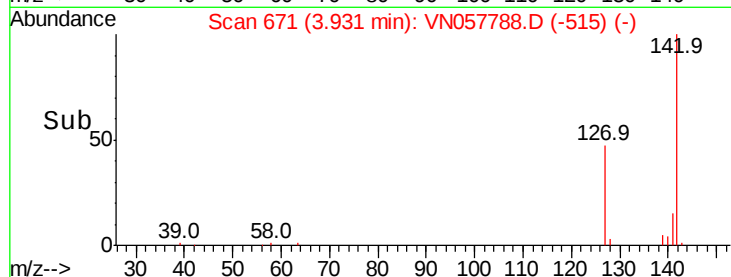
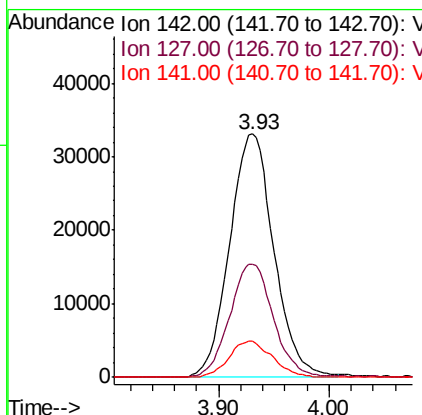
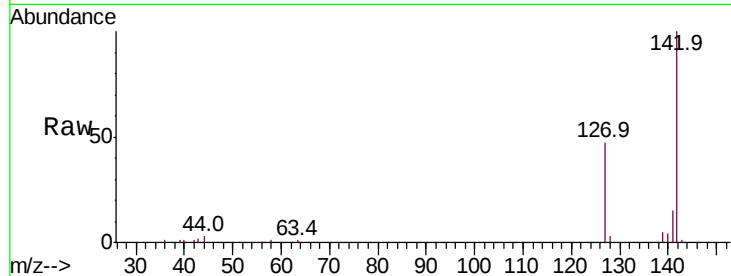




#11
Methvl Iodide
Concen: 19.389 ug/l
RT: 3.93 min Scan# 671
Delta R.T. 0.00 min
Lab File: VN057788.D
Acq: 9 Sep 2019 9:35

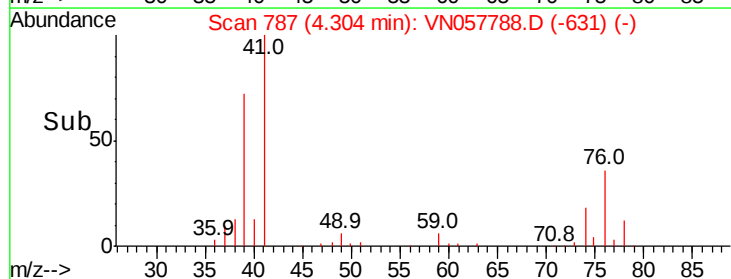
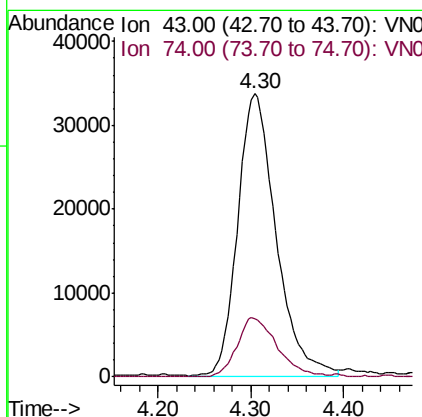
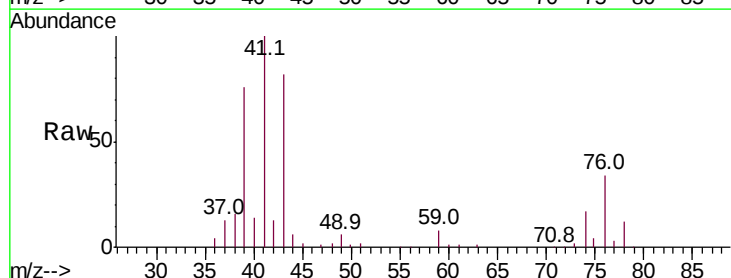
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

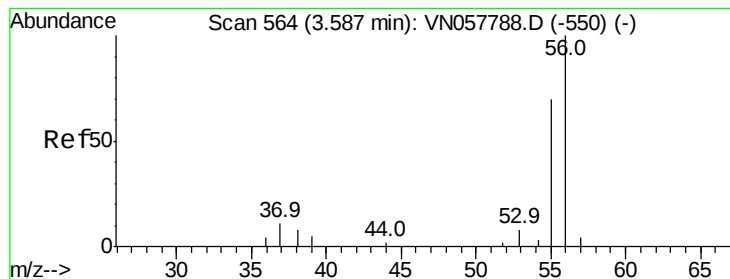
Tot Ion:142 Resp: 92040
Ion Ratio Lower Upper
142 100
127 46.5 23.3 69.8
141 15.1 7.5 22.6



#12
Methyl Acetate
Concen: 20.015 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057788.D
Acq: 9 Sep 2019 9:35

Tgt Ion: 43 Resp: 97588
Ion Ratio Lower Upper
43 100
74 20.3 16.2 24.4





#13

Acrolein

Concen: 89.382 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

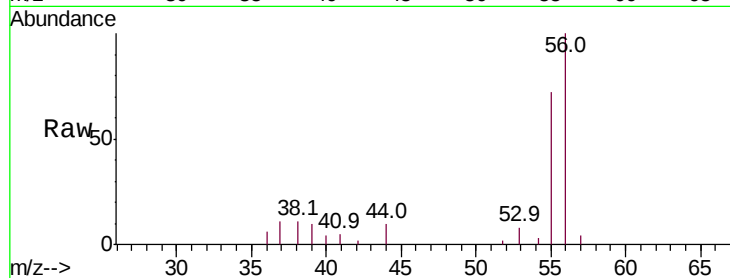
VSTDICCC020

Tot Ion: 56 Resp: 23613

Ion Ratio Lower Upper

56 100

55 73.7 59.0 88.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.59

10000

8000

6000

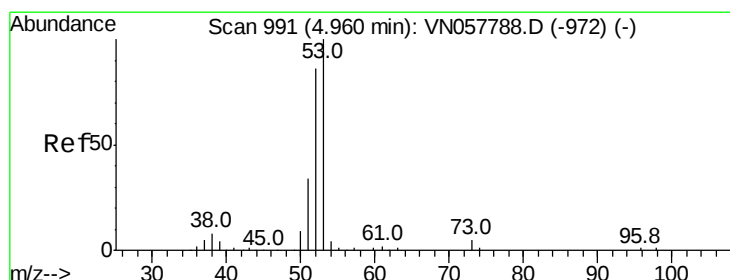
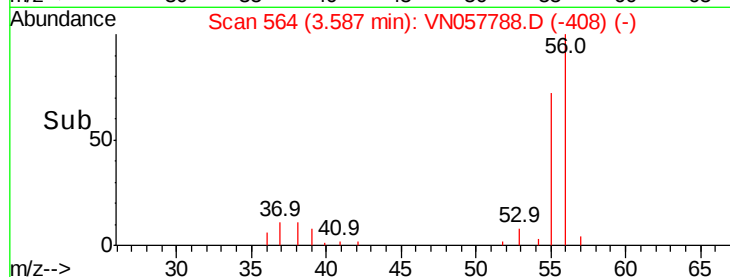
4000

2000

0

Time-->

3.50 3.55 3.60 3.65



#14

Acrylonitrile

Concen: 98.837 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

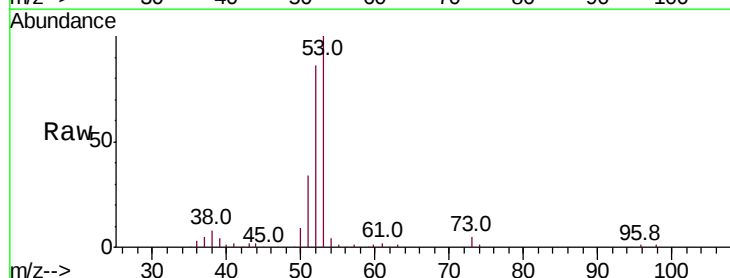
Tgt Ion: 53 Resp: 196183

Ion Ratio Lower Upper

53 100

52 82.0 41.0 123.0

51 17.2 8.6 25.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

80000

60000

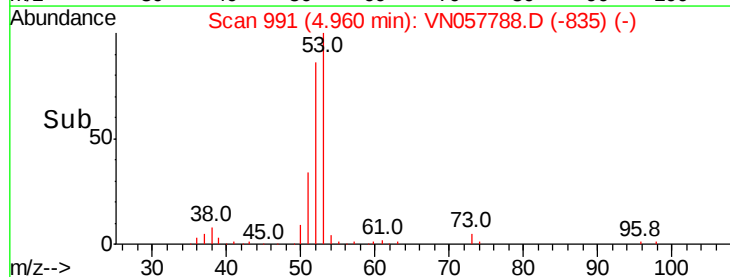
40000

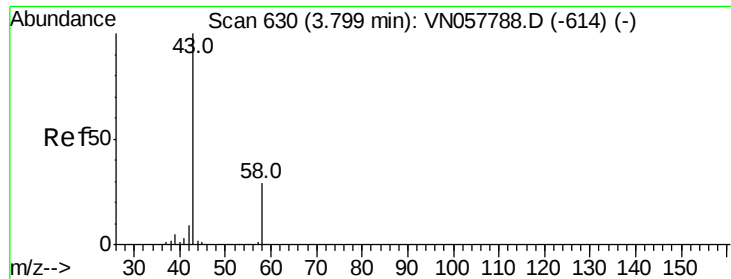
20000

0

Time-->

4.90 4.95 5.00 5.05 5.10





#15

Acetone

Concen: 106.812 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

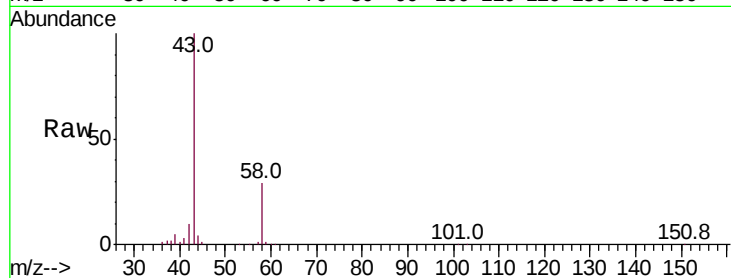
VSTDICCC020

Tot Ion: 58 Resp: 60190

Ion Ratio Lower Upper

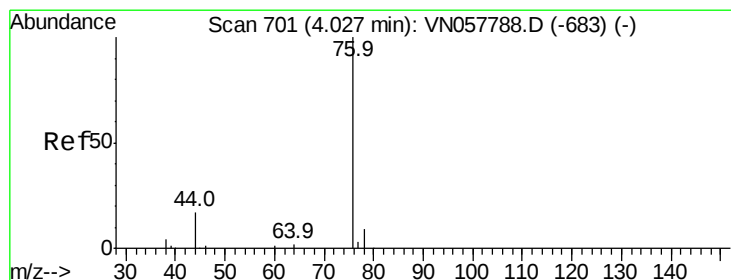
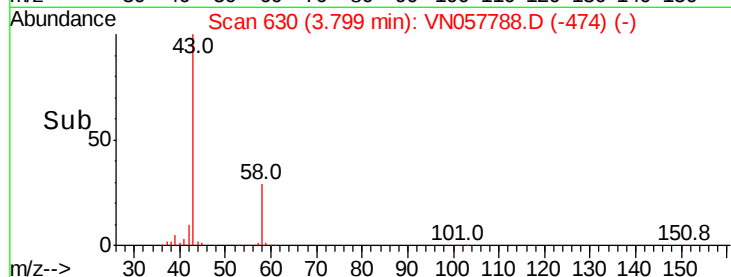
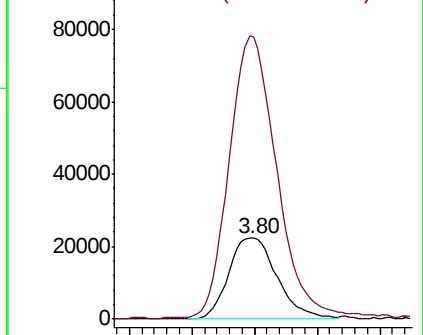
58 100

43 347.1 277.7 416.5



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: 18.661 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN057788.D

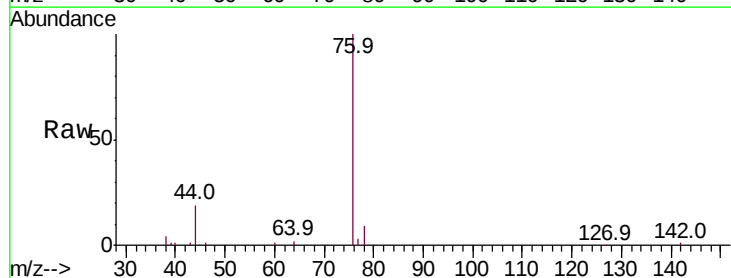
Acq: 9 Sep 2019 9:35

Tgt Ion: 76 Resp: 154179

Ion Ratio Lower Upper

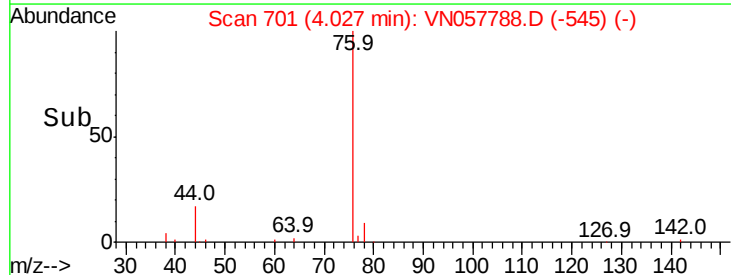
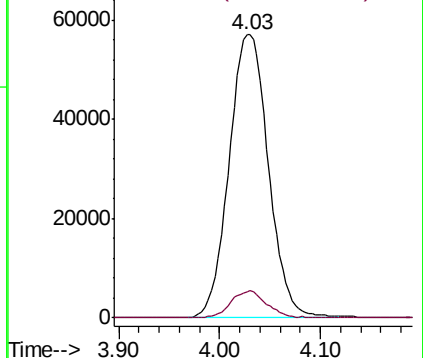
76 100

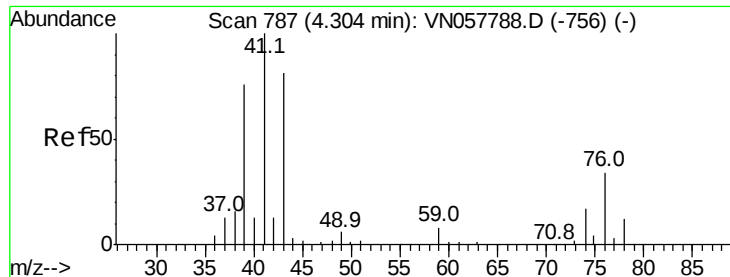
78 9.2 7.4 11.0



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

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

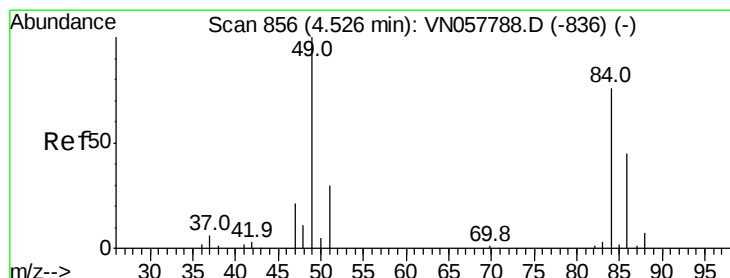
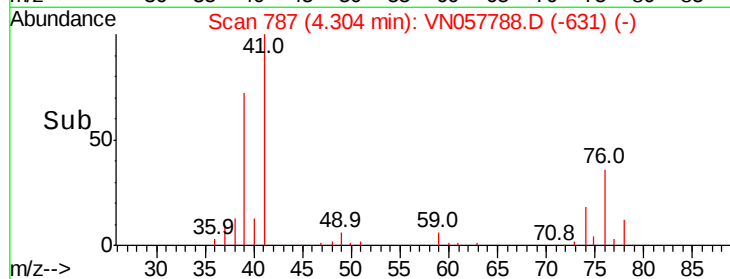
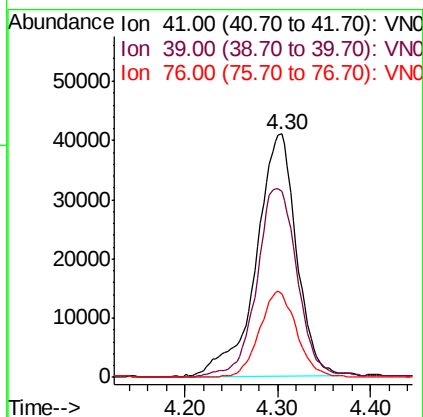
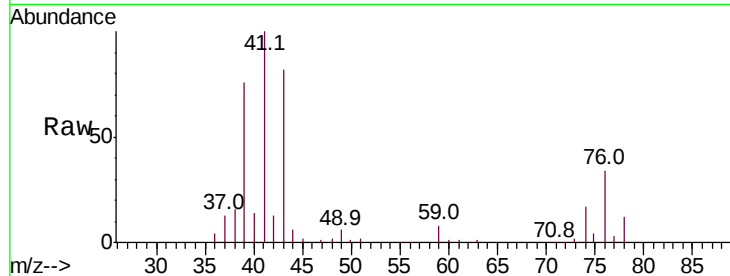




#17
Allvl chloride
Concen: 19.045 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057788.D
Acq: 9 Sep 2019 9:35

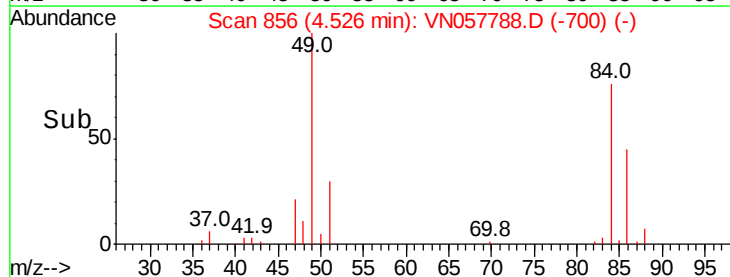
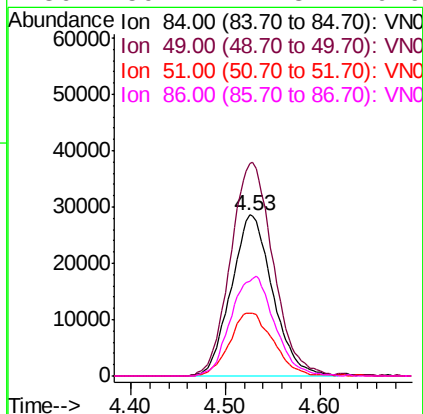
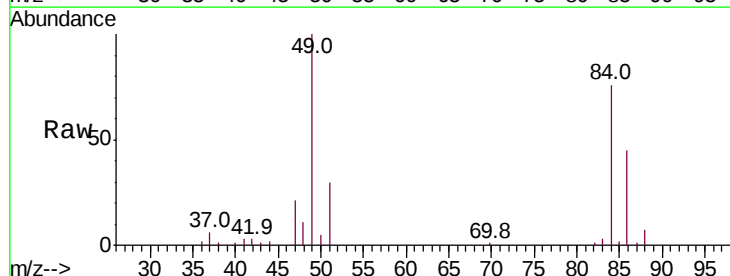
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

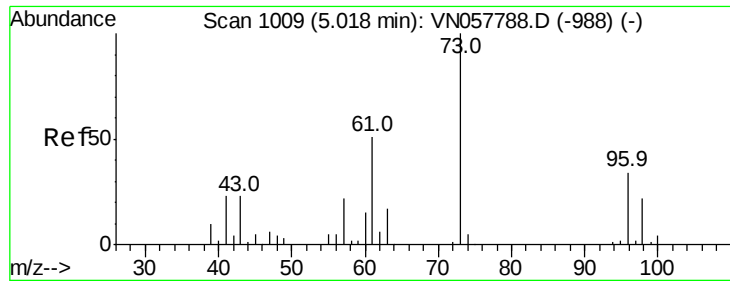
Tot Ion: 41 Resp: 123815
Ion Ratio Lower Upper
41 100
39 76.9 38.5 115.3
76 34.4 17.2 51.6



#18
Methylene Chloride
Concen: 19.469 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057788.D
Acq: 9 Sep 2019 9:35

Tgt Ion: 84 Resp: 87047
Ion Ratio Lower Upper
84 100
49 131.8 105.4 158.2
51 39.1 31.3 46.9
86 59.1 47.3 70.9

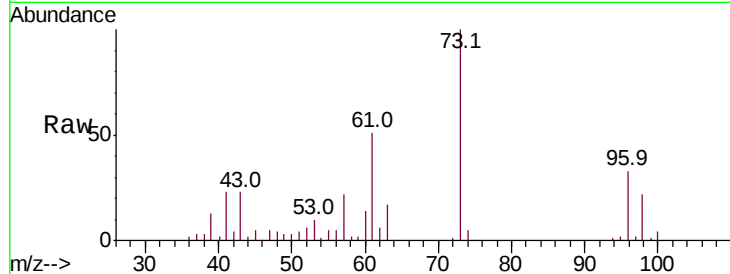




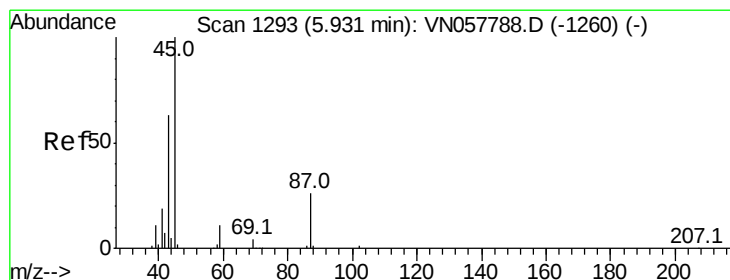
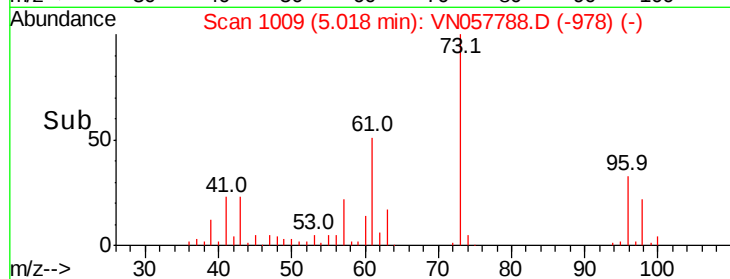
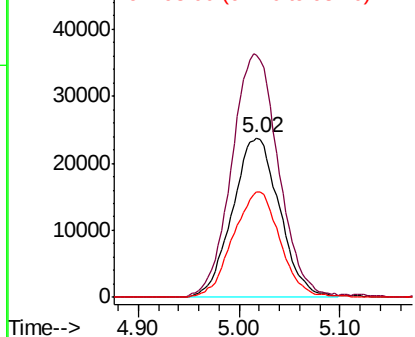
#19
trans-1,2-Dichloroethene
Concen: 19.494 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN057788.D
Acq: 9 Sep 2019 9:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 96 Resp: 77087
Ion Ratio Lower Upper
96 100
61 151.3 121.0 181.6
98 65.9 52.7 79.1

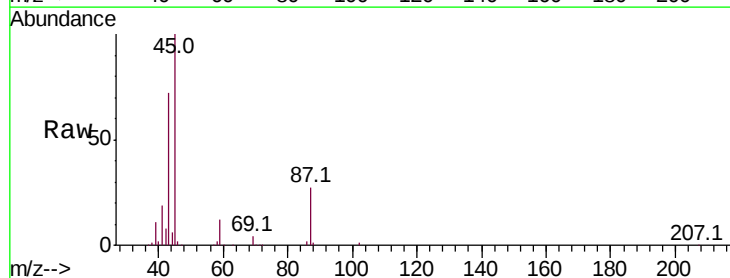


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

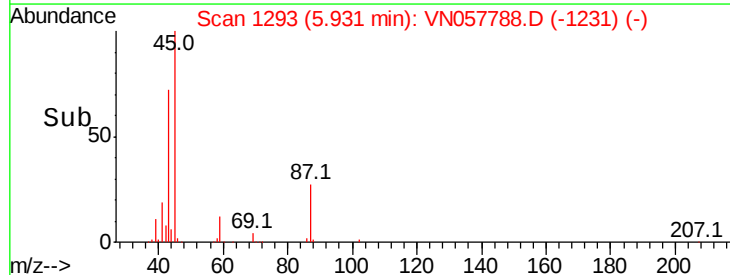
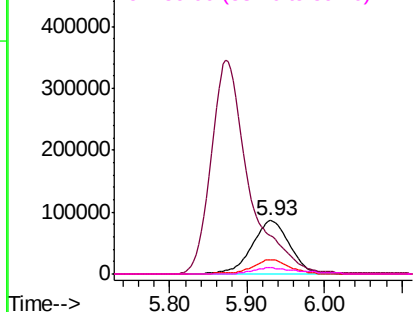


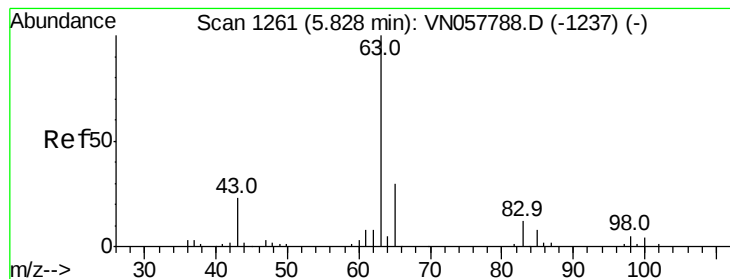
#20
Diisopropyl ether
Concen: 19.394 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057788.D
Acq: 9 Sep 2019 9:35

Tgt Ion: 45 Resp: 294768
Ion Ratio Lower Upper
45 100
43 69.0 55.2 82.8
87 26.6 21.3 31.9
59 11.4 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 19.887 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

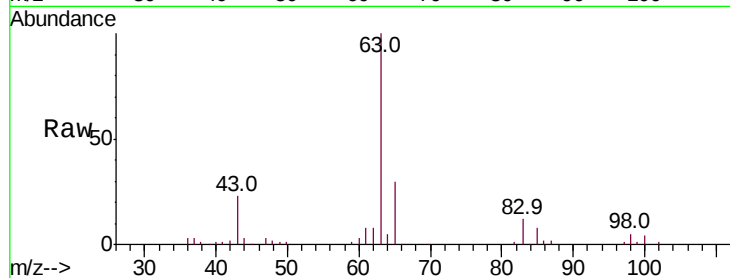
Tot Ion: 63 Resp: 166670

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.3

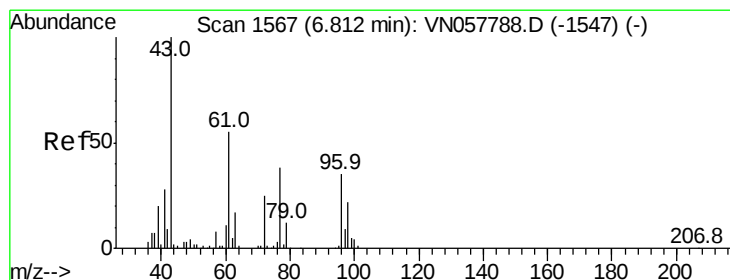
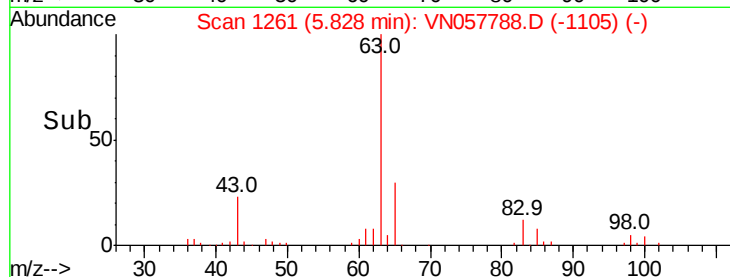
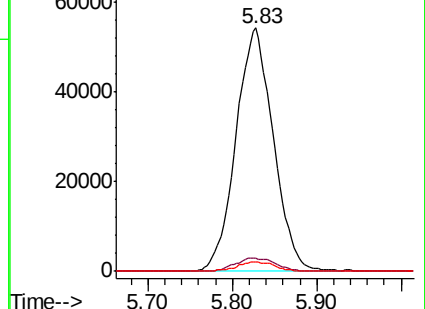
100 3.7 1.8 5.5



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: 19.566 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

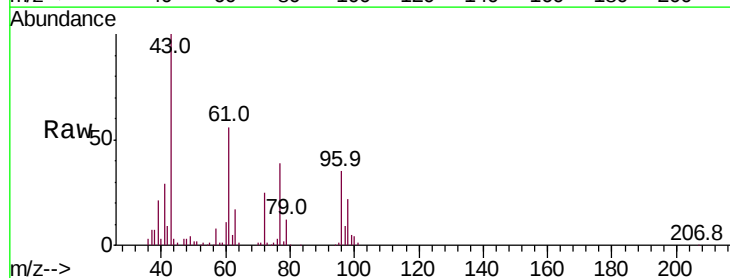
Tgt Ion: 96 Resp: 94798

Ion Ratio Lower Upper

96 100

61 159.2 127.4 191.0

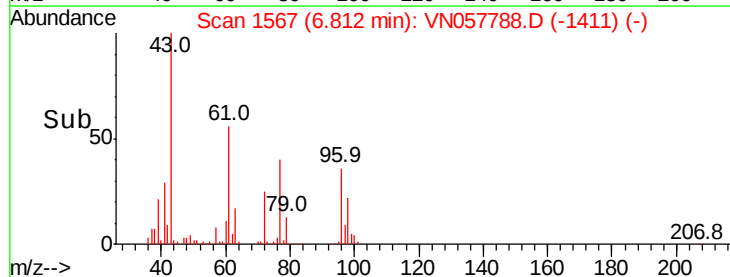
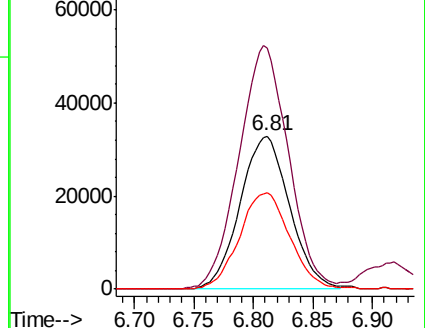
98 64.4 51.5 77.3

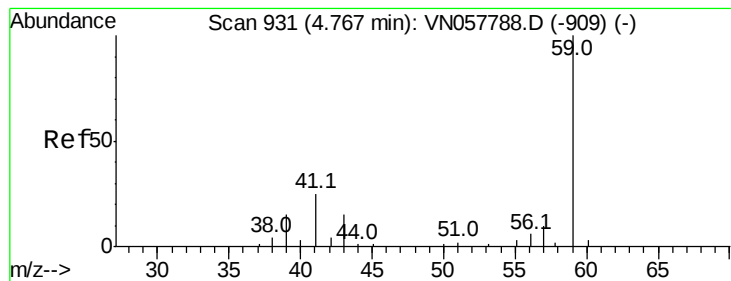


Abundance Ion 96.00 (95.70 to 96.70): VN057788.D (-1547) (-)

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

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



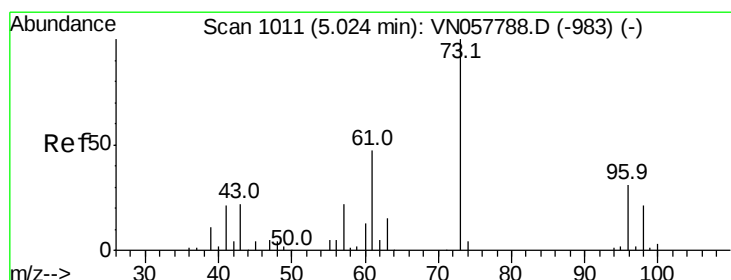
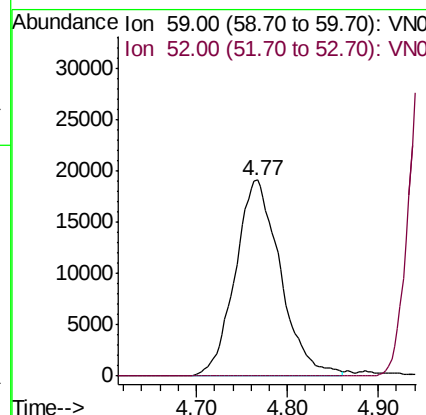
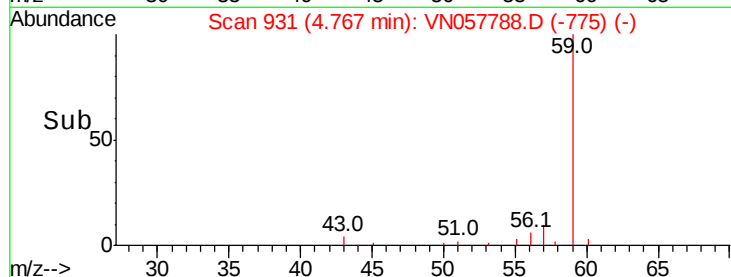
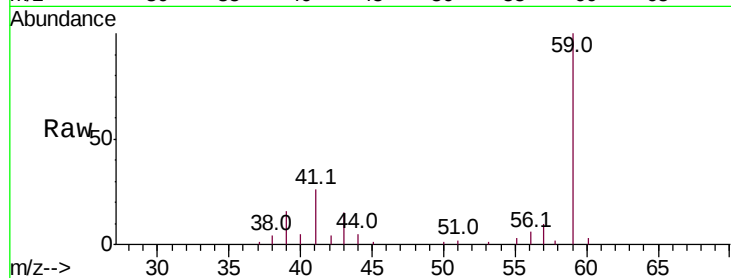


#23

tert-Butyl Alcohol
 Concen: 101.489 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN057788.D
 Acq: 9 Sep 2019 9:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

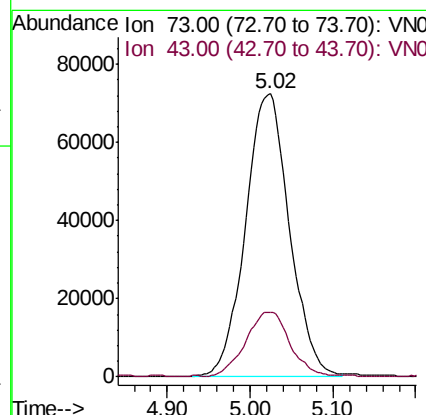
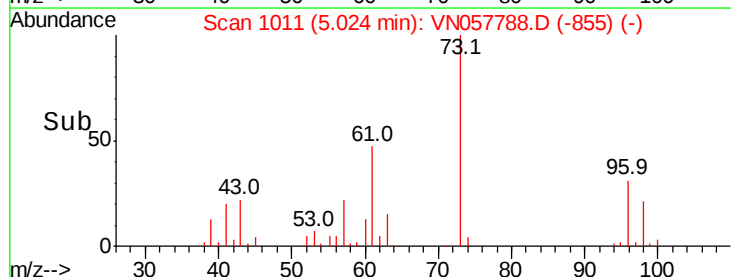
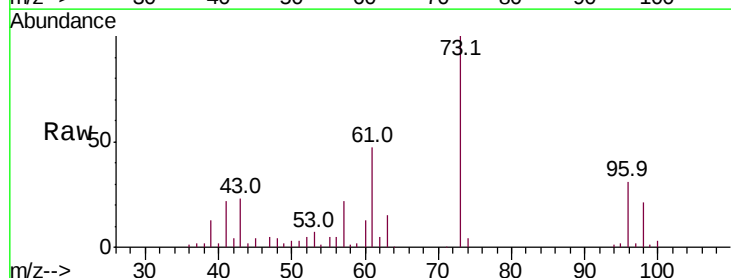
Tot Ion: 59 Resp: 65764
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

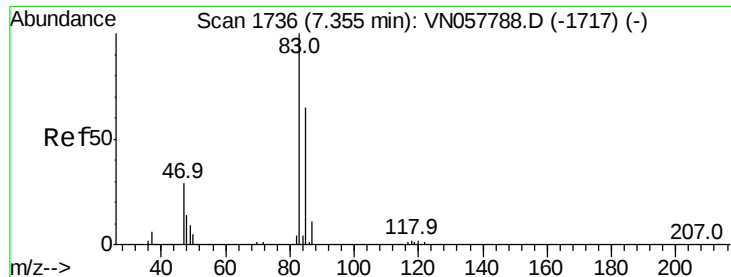


#24

Methyl tert-Butyl Ether
 Concen: 19.672 ug/l
 RT: 5.02 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN057788.D
 Acq: 9 Sep 2019 9:35

Tgt Ion: 73 Resp: 267492
 Ion Ratio Lower Upper
 73 100
 43 12.8 0.0 0.0#





#25

Chloroform

Concen: 19.553 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

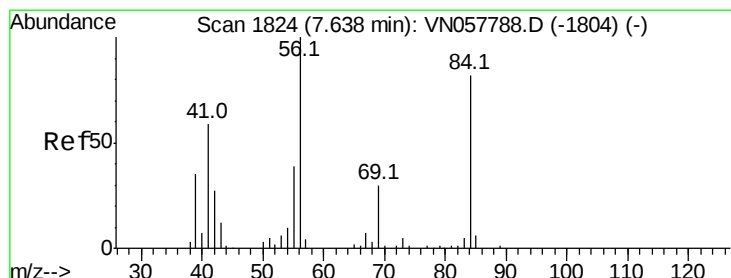
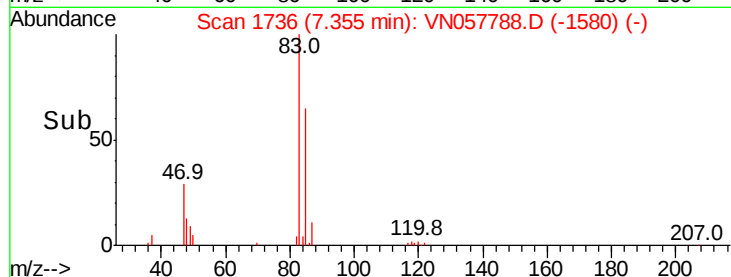
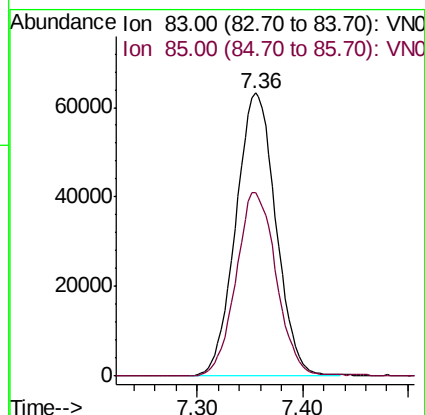
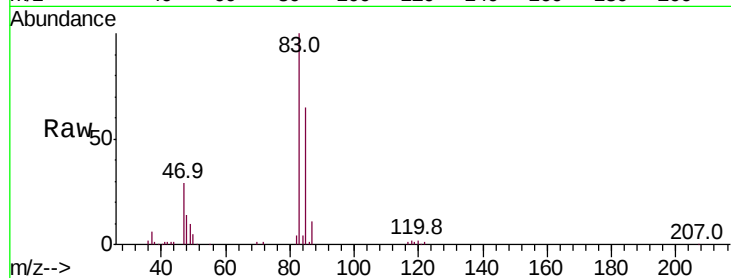
VSTDICCC020

Tot Ion: 83 Resp: 166830

Ion Ratio Lower Upper

83 100

85 64.7 51.8 77.6



#26

Cyclohexane

Concen: 19.296 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

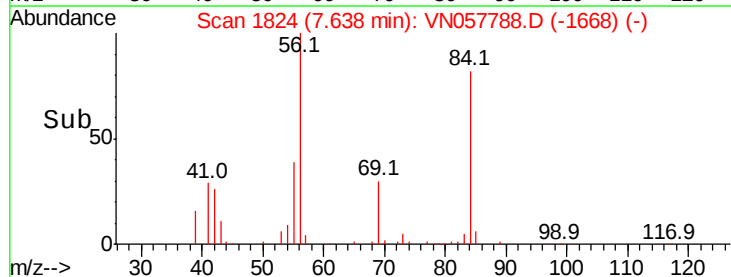
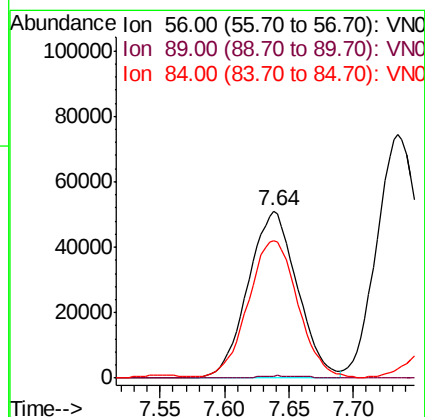
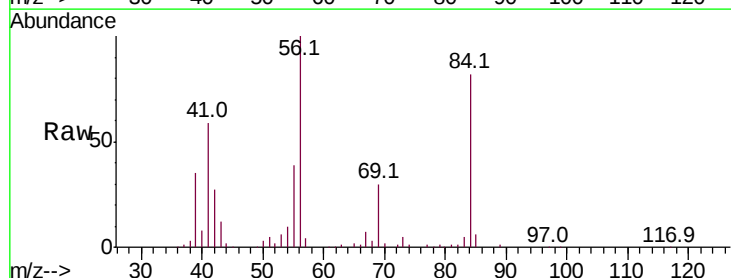
Tgt Ion: 56 Resp: 135874

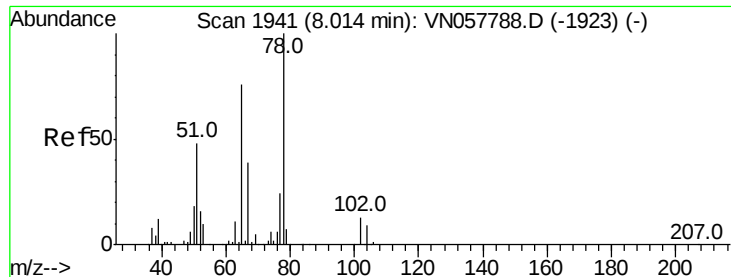
Ion Ratio Lower Upper

56 100

89 0.4 0.3 0.5

84 83.3 66.6 100.0





#27

1,2-Dichloroethane-d4

Concen: 31.430 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

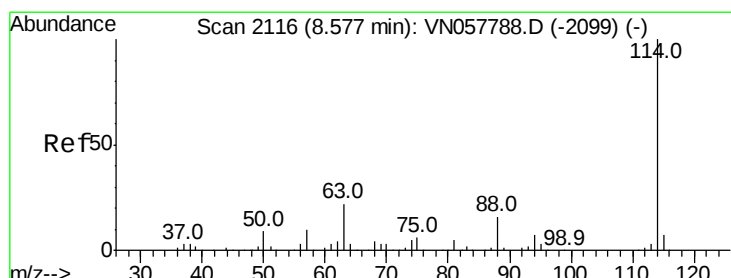
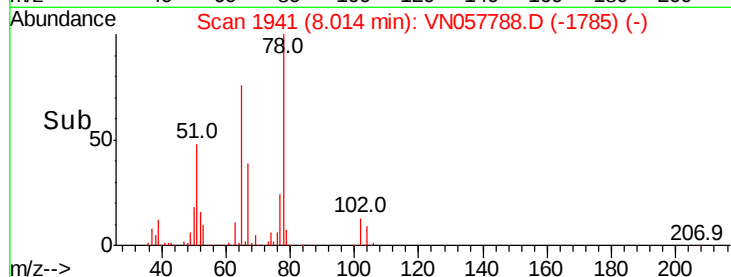
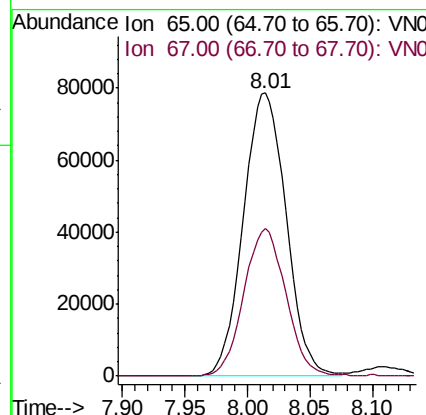
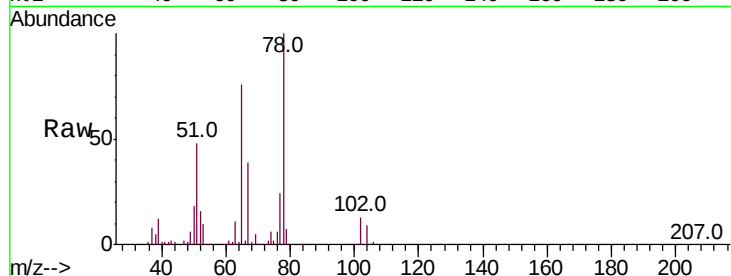
Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 65 Resp: 186547

Ion	Ratio	Lower	Upper
65	100		
67	51.1	40.9	61.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2116

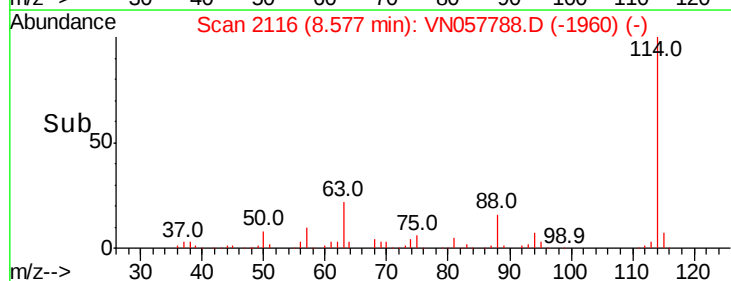
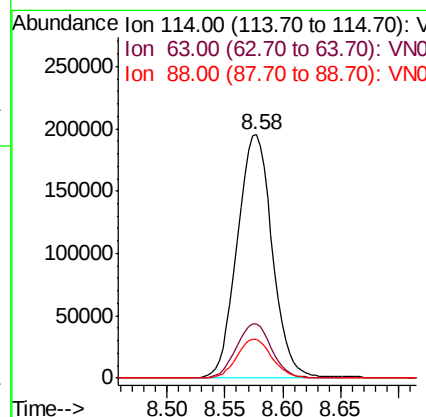
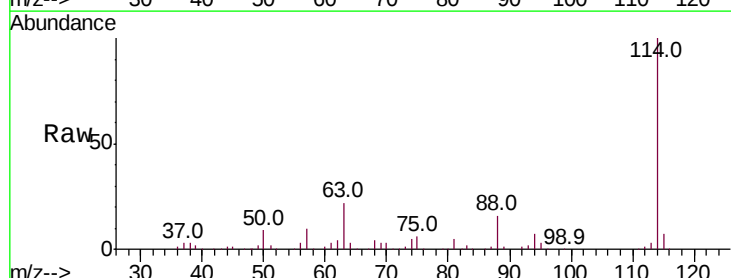
Delta R.T. 0.00 min

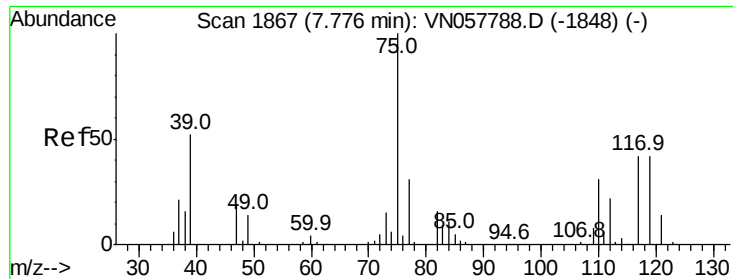
Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

Tgt Ion: 114 Resp: 411024

Ion	Ratio	Lower	Upper
114	100		
63	22.5	18.0	27.0
88	15.8	12.6	19.0

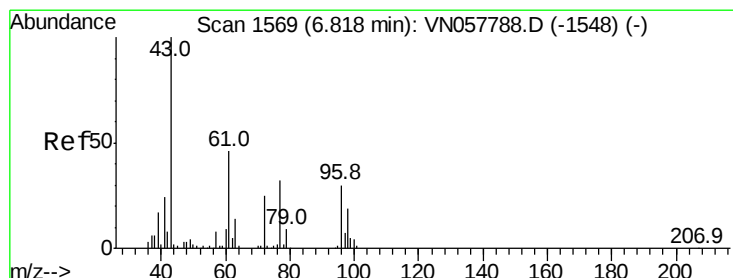
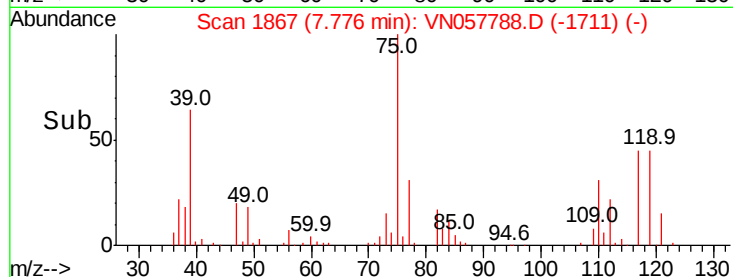
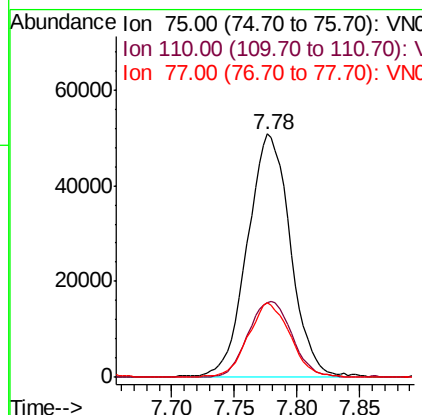
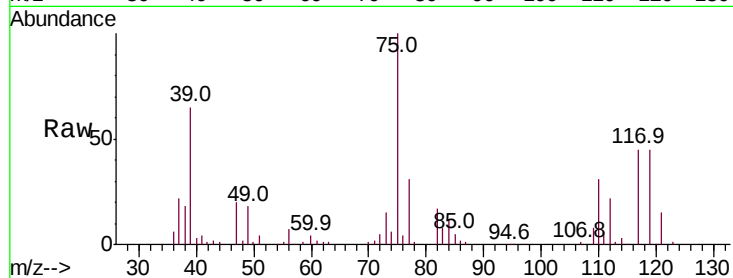




#29
 1,1-Dichloropropene
 Concen: 18.786 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057788.D
 Acq: 9 Sep 2019 9:35

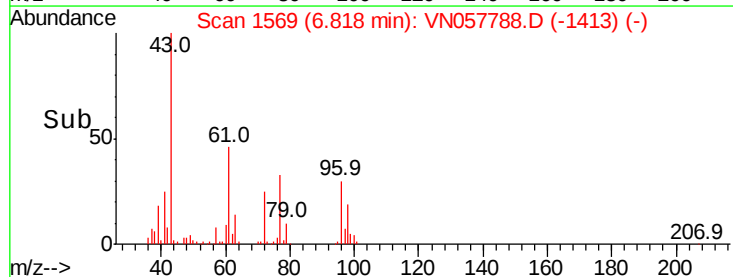
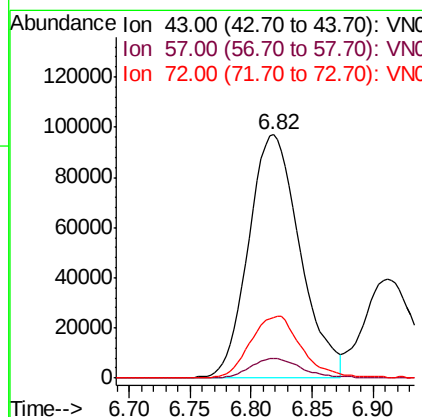
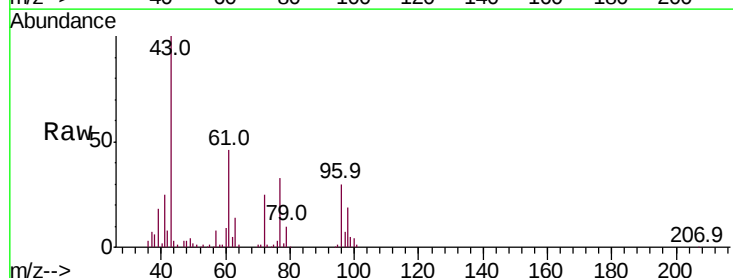
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

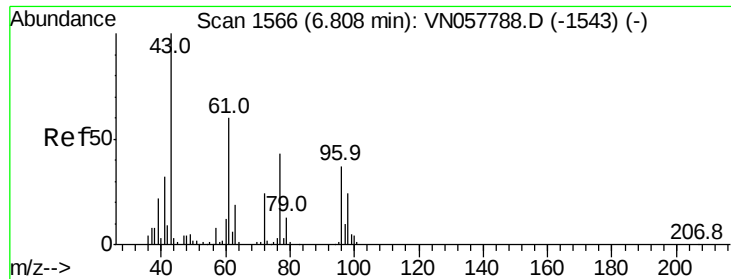
Tot Ion	Ratio	Lower	Upper
75	100		
110	31.9	0.0	63.8
77	30.0	0.0	60.0



#30
 2-Butanone
 Concen: 96.785 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN057788.D
 Acq: 9 Sep 2019 9:35

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.4	9.6
72	25.4	20.3	30.5

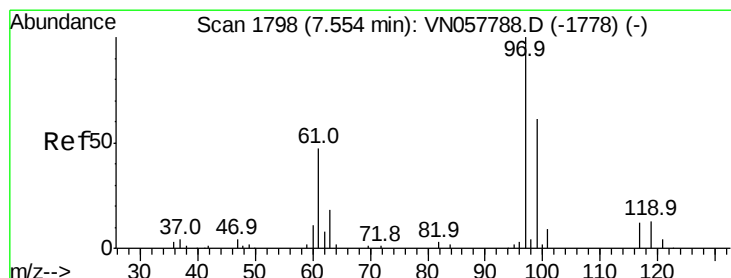
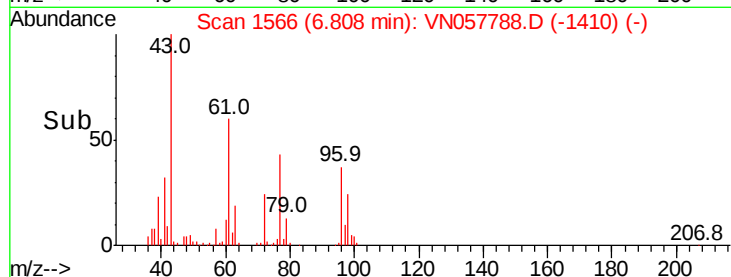
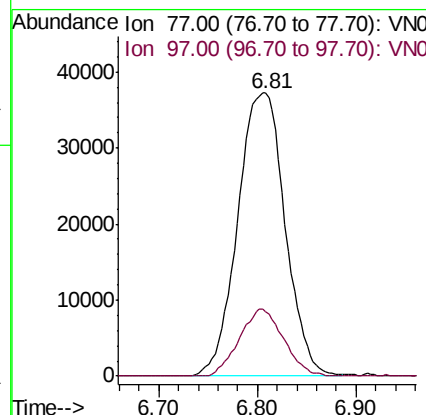
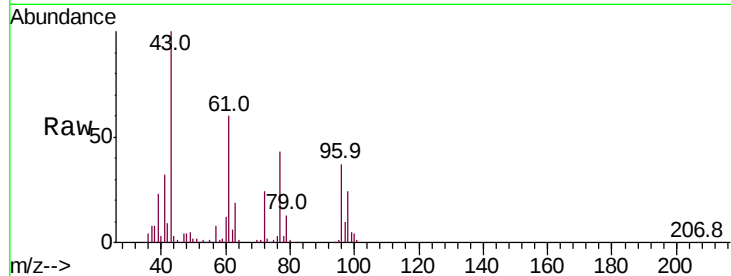




#31
 2,2-Dichloropropane
 Concen: 18.165 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN057788.D
 Acq: 9 Sep 2019 9:35

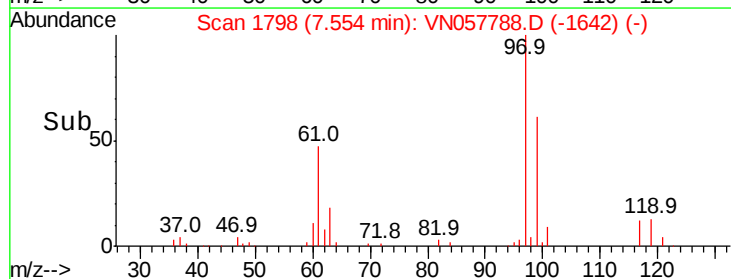
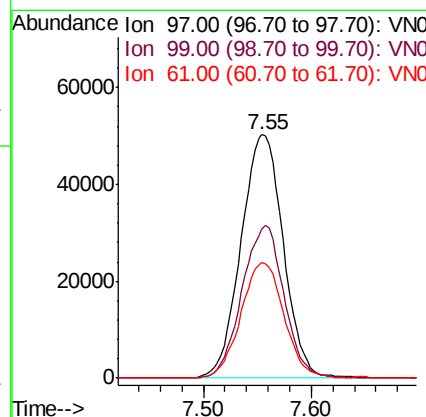
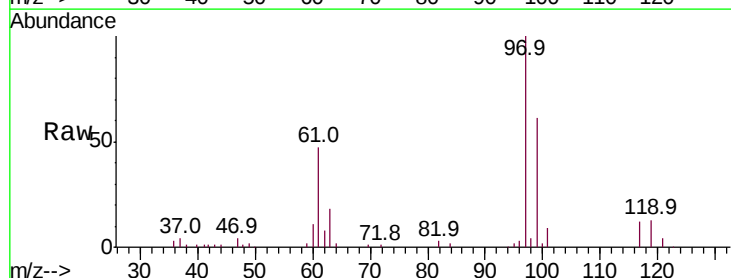
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

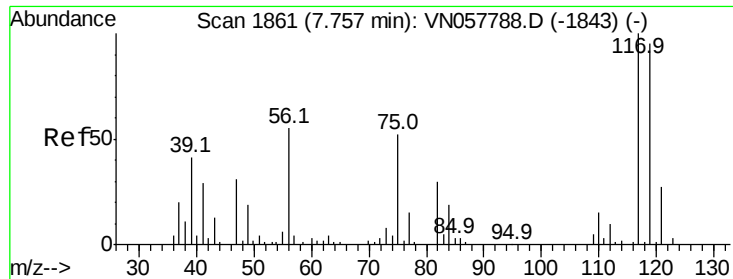
Tot Ion: 77 Resp: 124006
 Ion Ratio Lower Upper
 77 100
 97 22.1 17.7 26.5



#32
 1,1,1-Trichloroethane
 Concen: 18.813 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VN057788.D
 Acq: 9 Sep 2019 9:35

Tgt Ion: 97 Resp: 136769
 Ion Ratio Lower Upper
 97 100
 99 62.3 49.8 74.8
 61 48.4 38.7 58.1

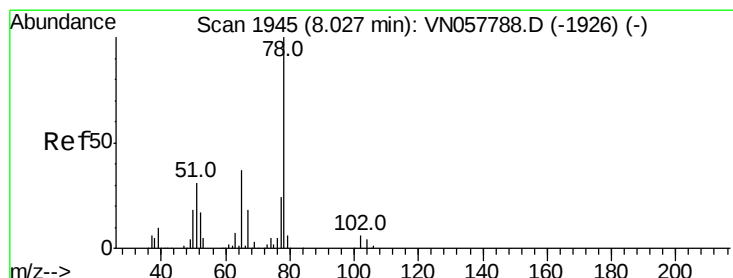
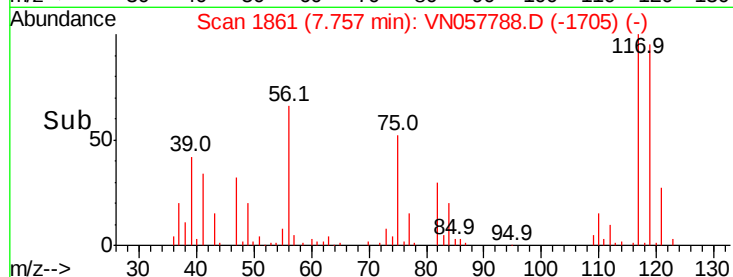
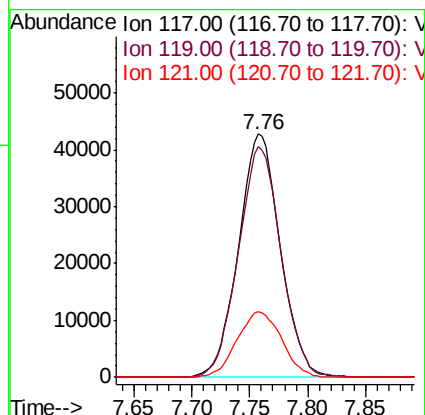
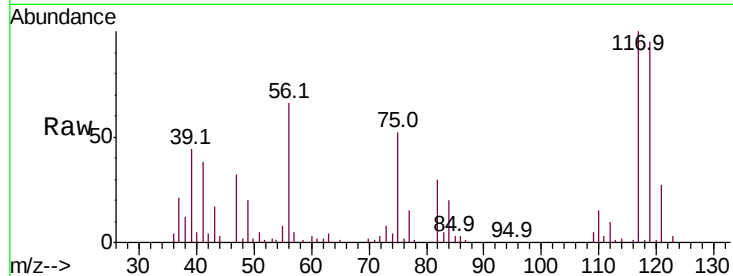




#33
Carbon Tetrachloride
Concen: 18.053 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057788.D
Acq: 9 Sep 2019 9:35

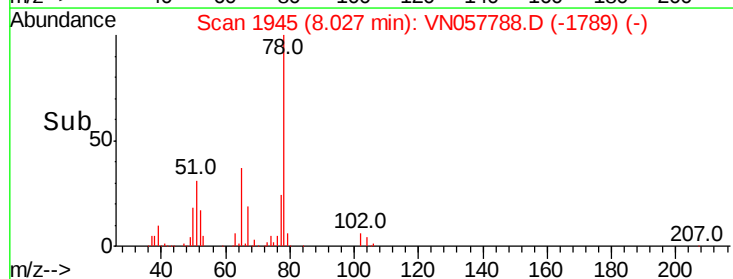
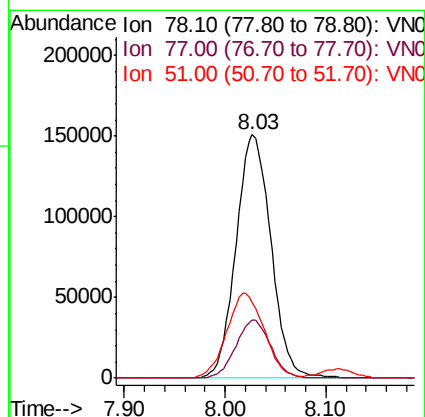
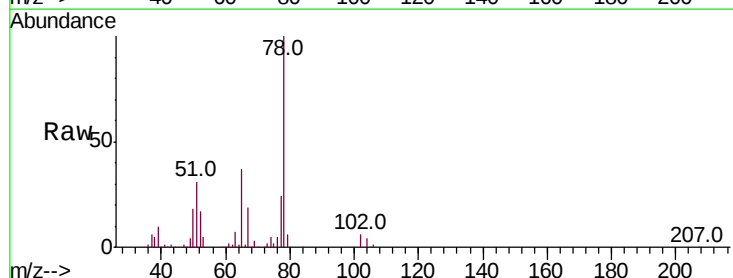
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

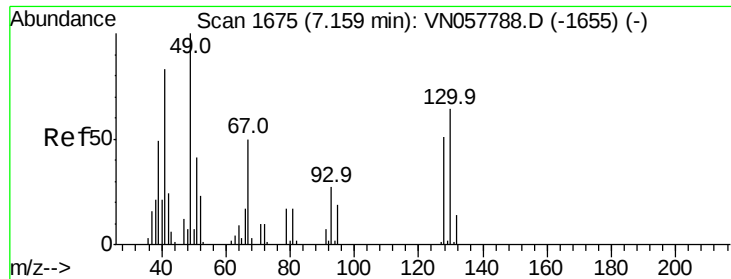
Tot Ion:117 Resp: 107062
Ion Ratio Lower Upper
117 100
119 94.6 75.7 113.5
121 27.1 21.7 32.5



#34
Benzene
Concen: 18.942 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057788.D
Acq: 9 Sep 2019 9:35

Tgt Ion: 78 Resp: 362909
Ion Ratio Lower Upper
78 100
77 24.0 19.2 28.8
51 31.1 24.9 37.3

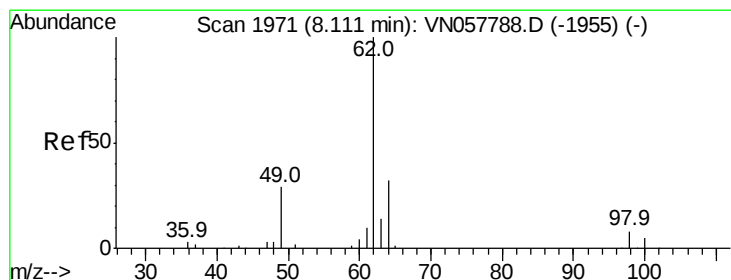
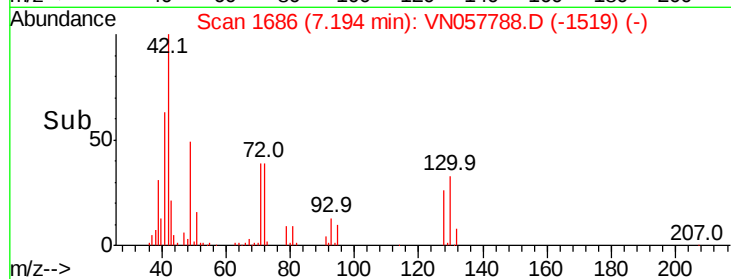
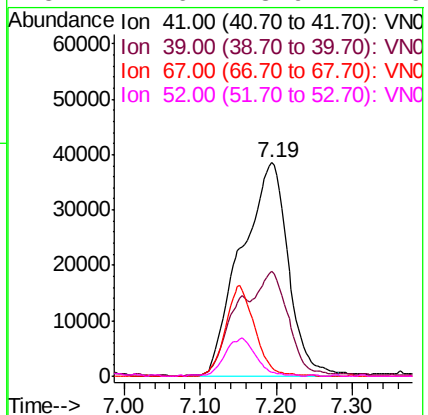
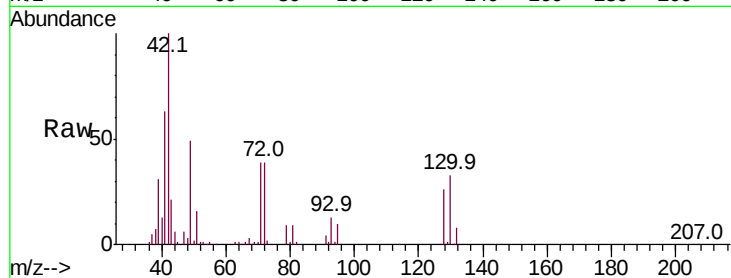




#35
Methacrylonitrile
Concen: 62.522 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.04 min
Lab File: VN057788.D
Acq: 9 Sep 2019 9:35

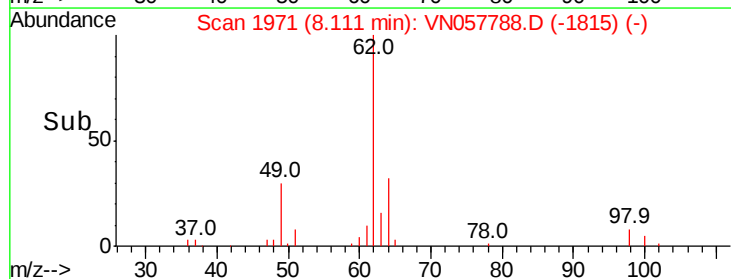
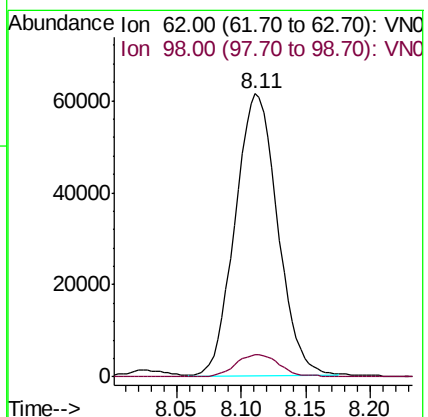
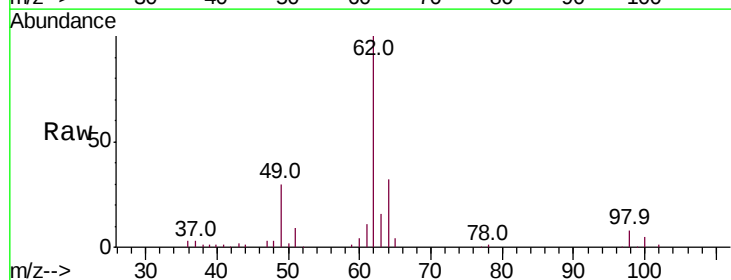
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

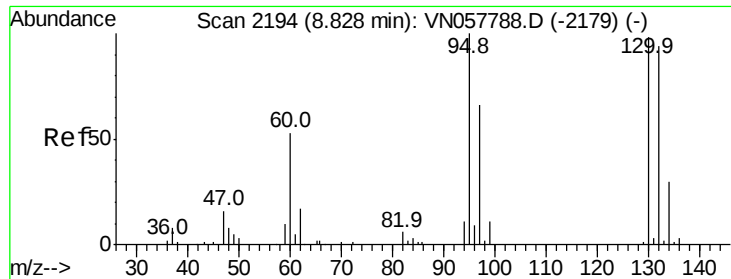
Tot Ion: 41 Resp: 166073
Ion Ratio Lower Upper
41 100
39 48.5 29.8 89.5
67 4.3 30.0 90.1#
52 1.6 13.9 41.6#



#36
1,2-Dichloroethane
Concen: 18.924 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057788.D
Acq: 9 Sep 2019 9:35

Tgt Ion: 62 Resp: 140696
Ion Ratio Lower Upper
62 100
98 8.2 6.6 9.8

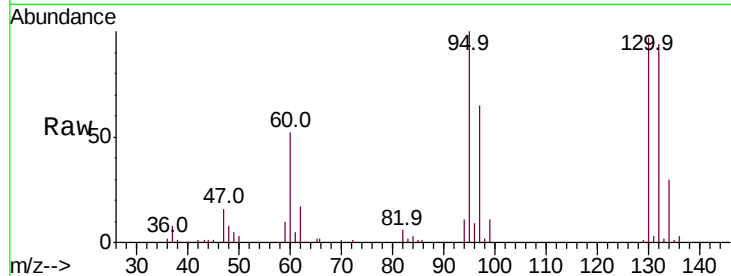




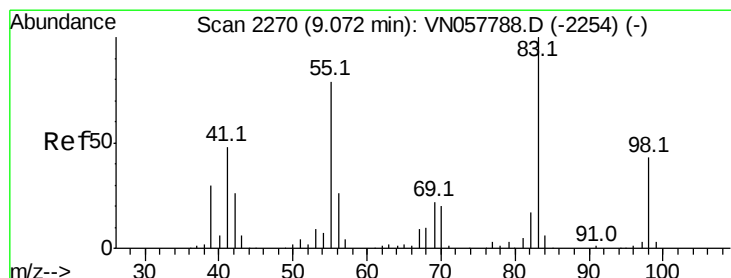
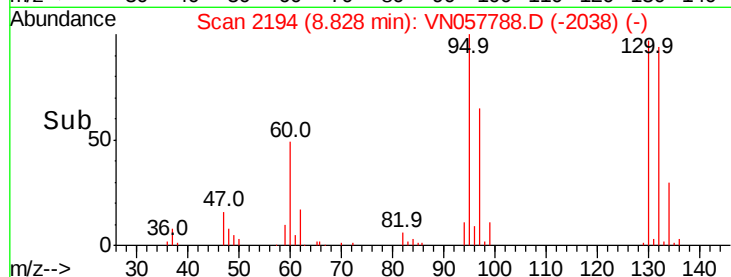
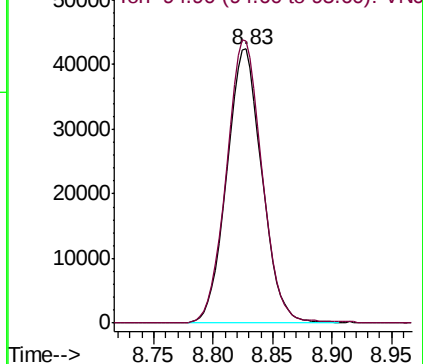
#37
 Trichloroethene
 Concen: 18.738 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN057788.D
 Acq: 9 Sep 2019 9:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:130 Resp: 87196
 Ion Ratio Lower Upper
 130 100
 95 102.4 81.9 122.9

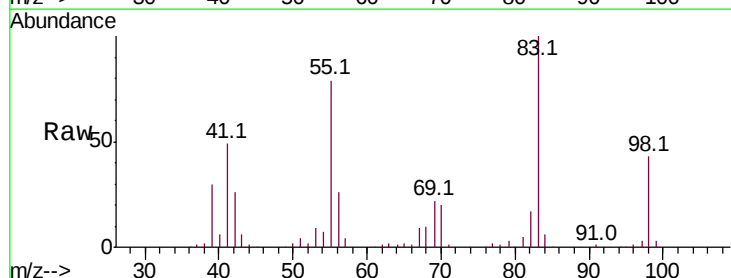


Abundance Ion 129.90 (129.60 to 130.60): VN057788.D (-2179) (-)
 Ion 94.90 (94.60 to 95.60): VN057788.D (-2179) (-)

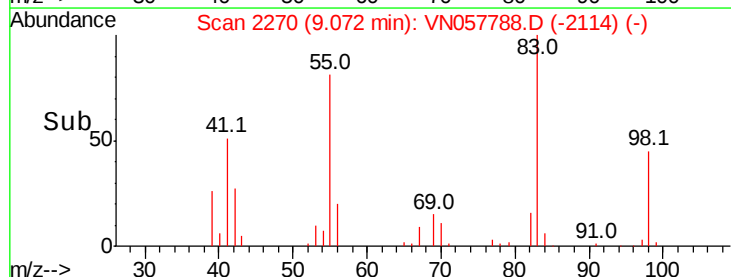
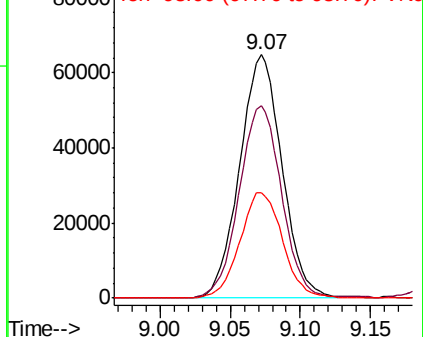


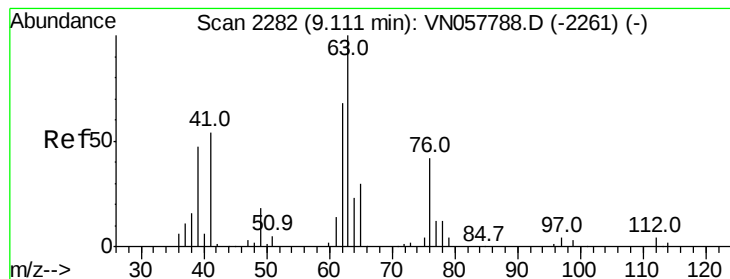
#38
 Methylcyclohexane
 Concen: 18.517 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN057788.D
 Acq: 9 Sep 2019 9:35

Tgt Ion: 83 Resp: 136333
 Ion Ratio Lower Upper
 83 100
 55 79.1 39.6 118.7
 98 43.6 21.8 65.4



Abundance Ion 83.00 (82.70 to 83.70): VN057788.D (-2254) (-)
 Ion 55.00 (54.70 to 55.70): VN057788.D (-2254) (-)
 Ion 98.00 (97.70 to 98.70): VN057788.D (-2254) (-)





#39

1,2-Dichloropropane

Concen: 18.755 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

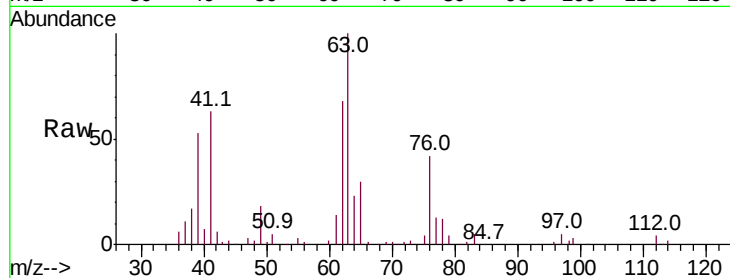
VSTDICCC020

Tot Ion: 63 Resp: 100912

Ion Ratio Lower Upper

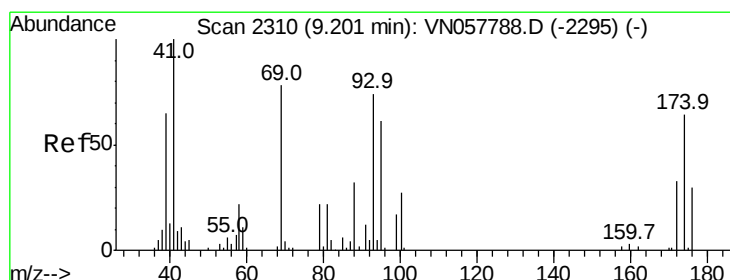
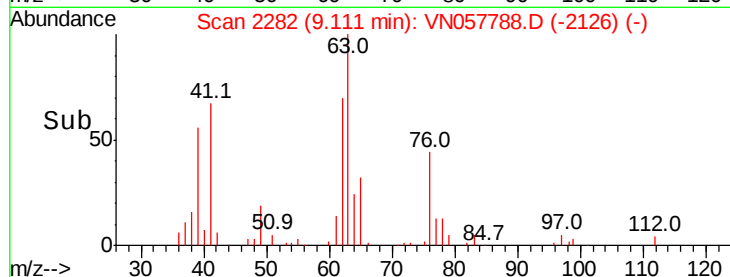
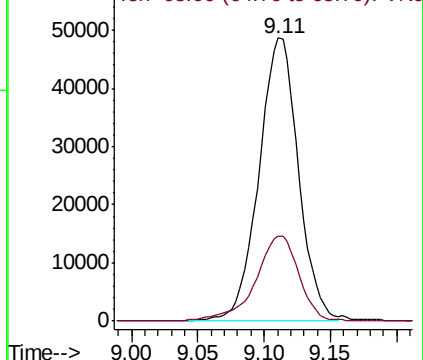
63 100

65 29.5 23.6 35.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.001 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

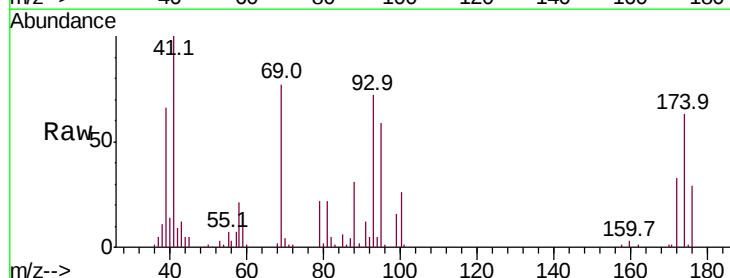
Tgt Ion: 93 Resp: 62181

Ion Ratio Lower Upper

93 100

95 81.5 0.0 163.0

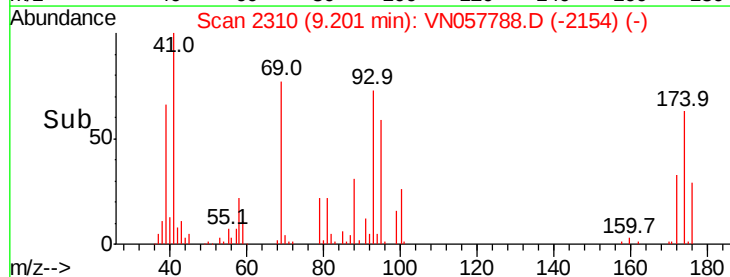
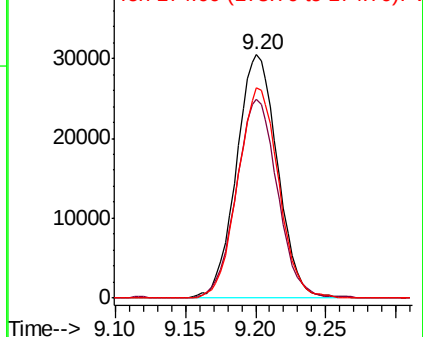
174 85.7 0.0 171.4

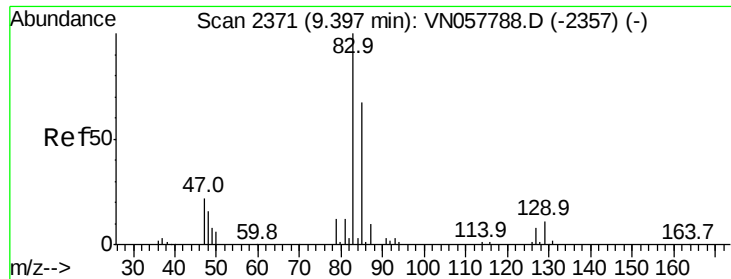


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 18.087 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

Instrument :

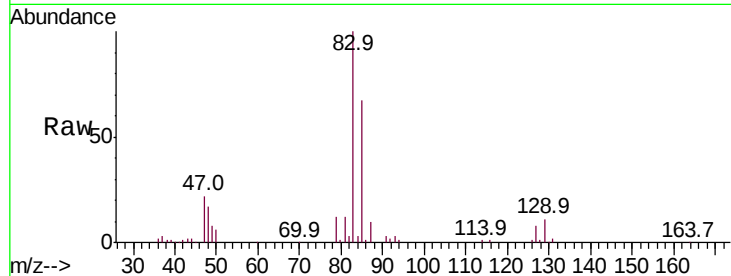
MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 83 Resp: 119329

Ion	Ratio	Lower	Upper
83	100		
85	66.7	53.4	80.0
127	8.3	6.6	10.0

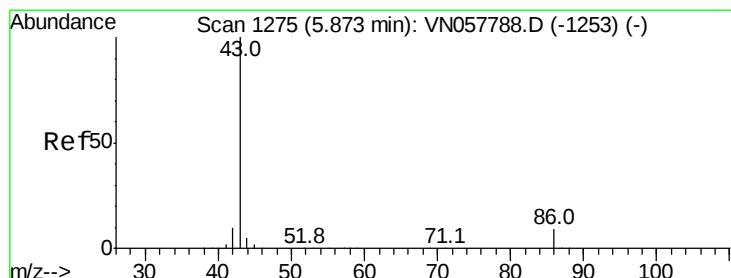
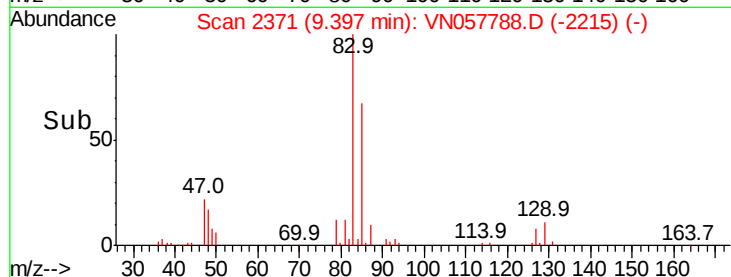
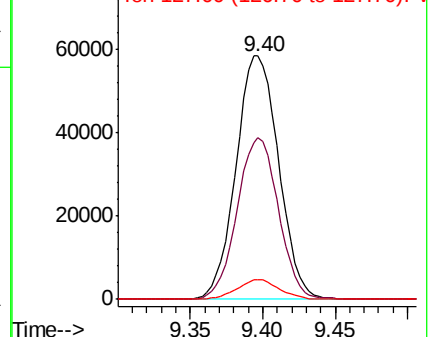


Abundance

Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 100.388 ug/l

RT: 5.87 min Scan# 1275

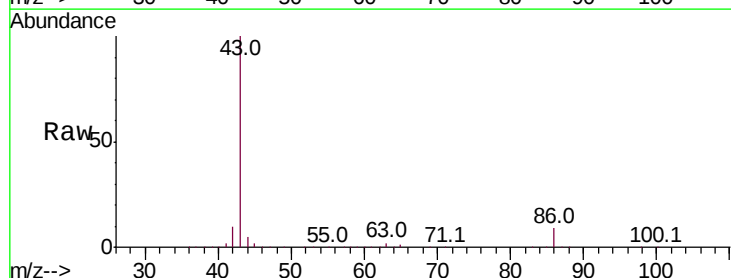
Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

Tgt Ion: 43 Resp: 1176963

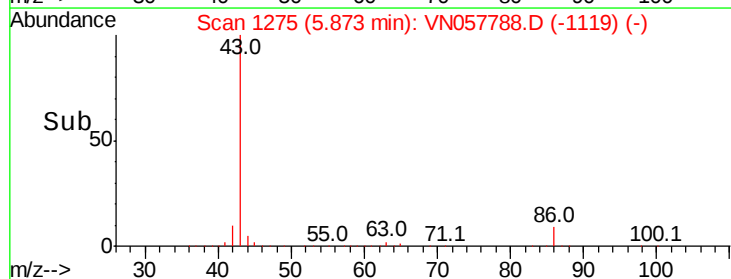
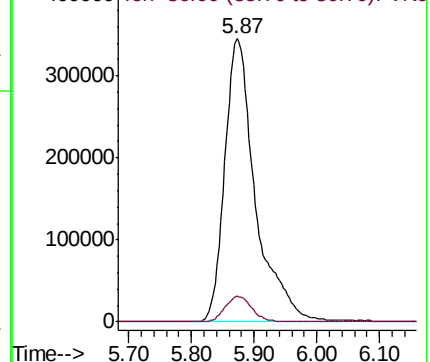
Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.3	9.5

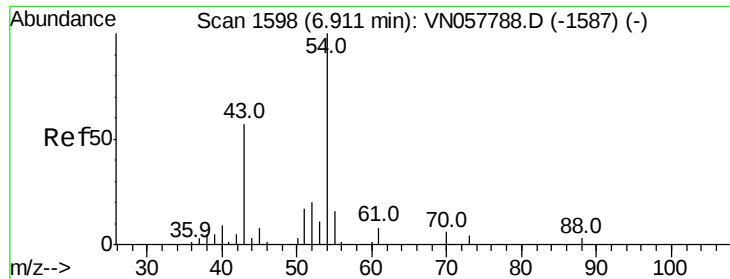


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 19.090 ug/l

RT: 6.91 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

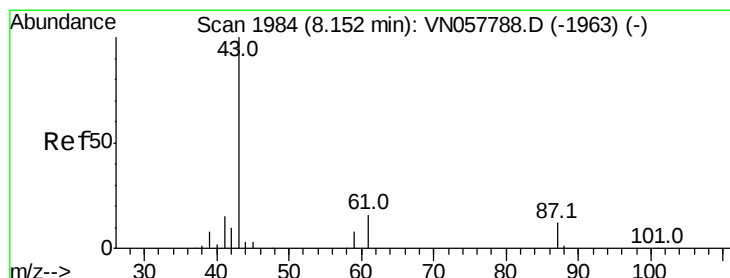
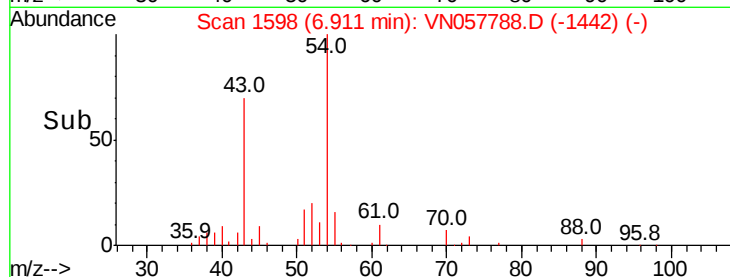
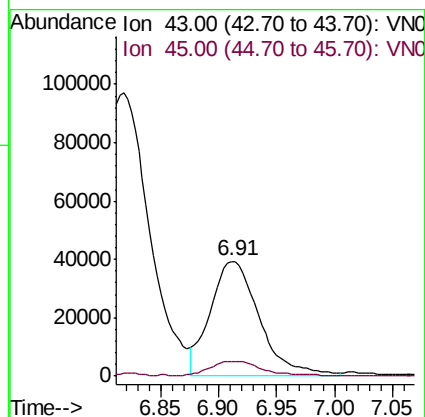
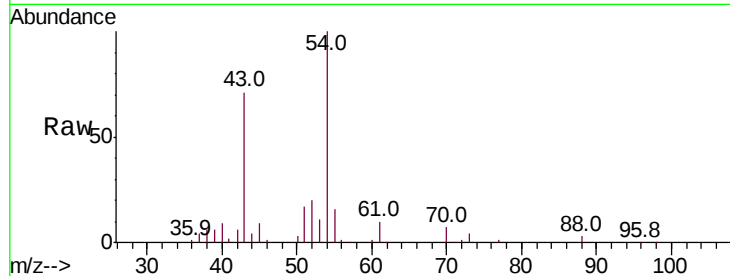
VSTDICCC020

Tot Ion: 43 Resp: 114804

Ion Ratio Lower Upper

43 100

45 6.7 5.4 8.0



#44

Isopropyl Acetate

Concen: 18.120 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057788.D

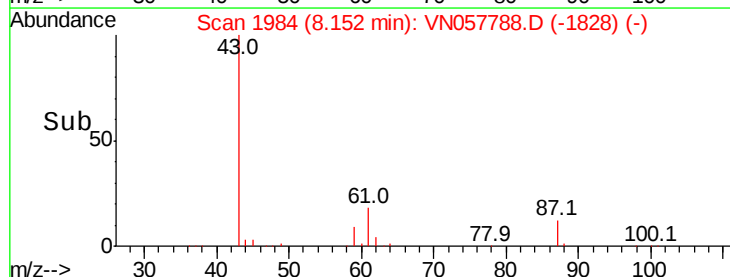
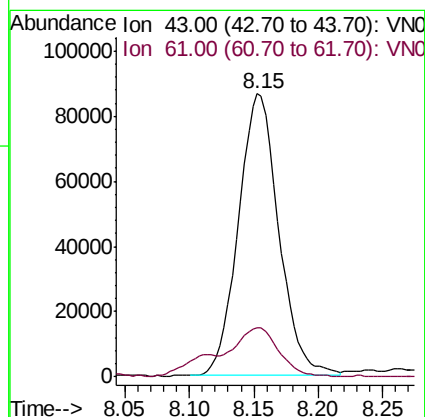
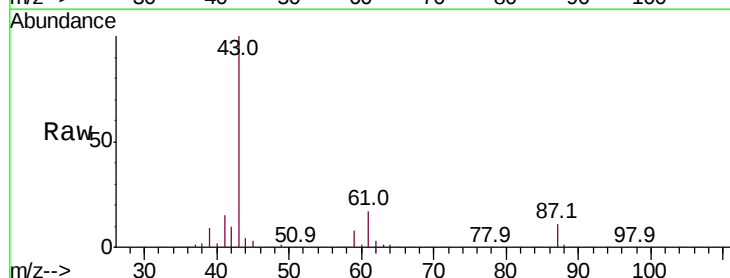
Acq: 9 Sep 2019 9:35

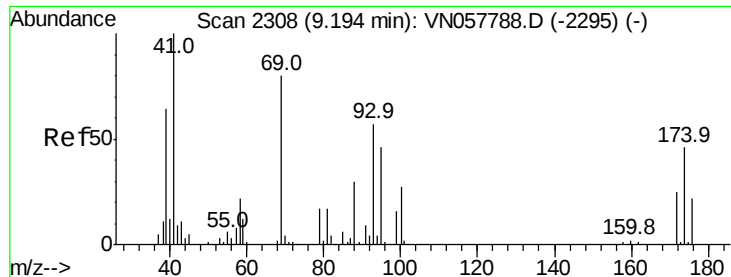
Tgt Ion: 43 Resp: 188694

Ion Ratio Lower Upper

43 100

61 19.2 0.1 0.1#

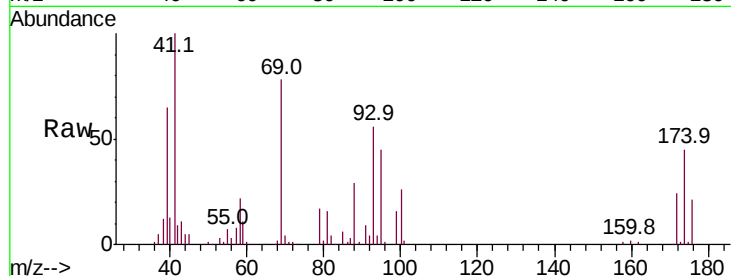




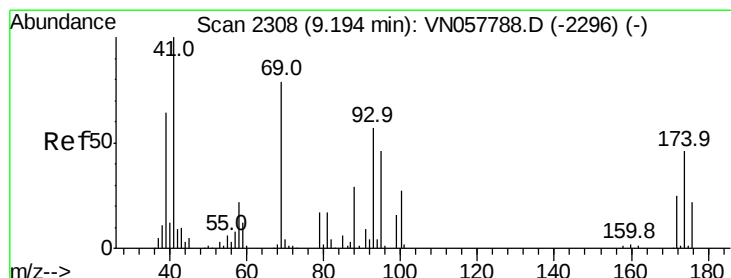
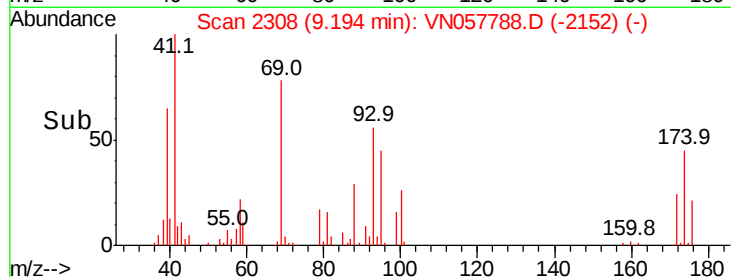
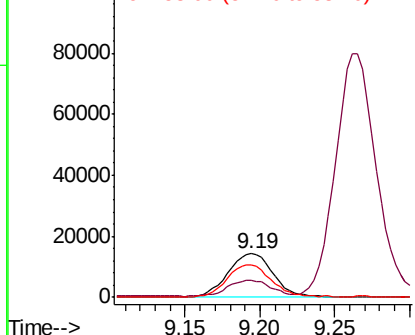
#45
 1,4-Dioxane
 Concen: 369.382 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057788.D
 Acq: 9 Sep 2019 9:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion: 88 Resp: 30103
 Ion Ratio Lower Upper
 88 100
 43 35.3 28.2 42.4
 58 73.1 58.5 87.7

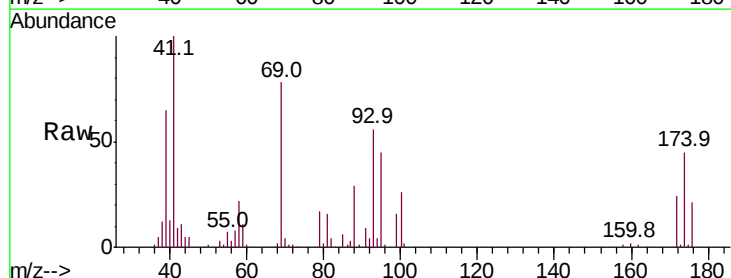


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

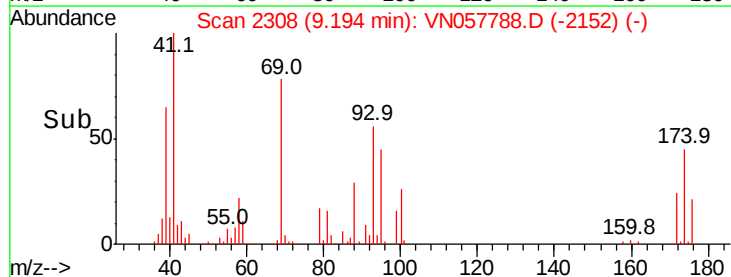
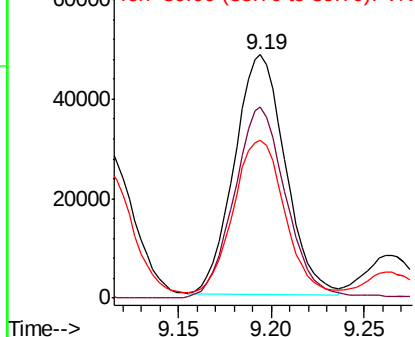


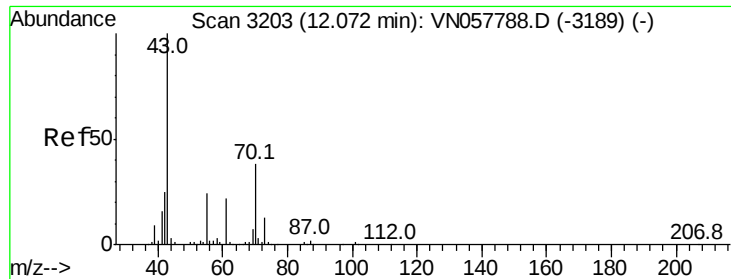
#46
 Methyl methacrylate
 Concen: 18.108 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057788.D
 Acq: 9 Sep 2019 9:35

Tgt Ion: 41 Resp: 91736
 Ion Ratio Lower Upper
 41 100
 69 79.3 39.6 119.0
 39 63.8 31.9 95.7



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





#47

n-amyl Acetate

Concen: 17.672 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

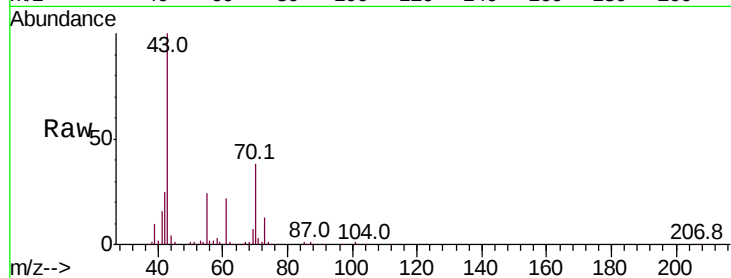
VSTDICCC020

Tot Ion: 43 Resp: 168276

Ion Ratio Lower Upper

43 100

55 22.9 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

100000

80000

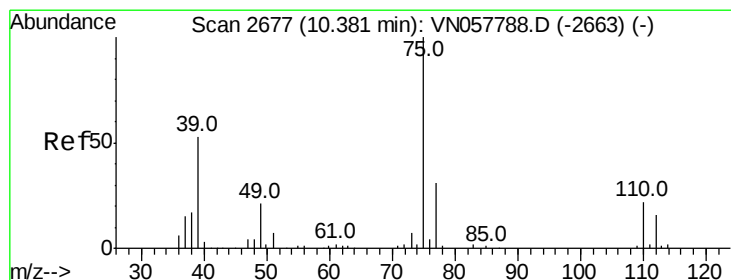
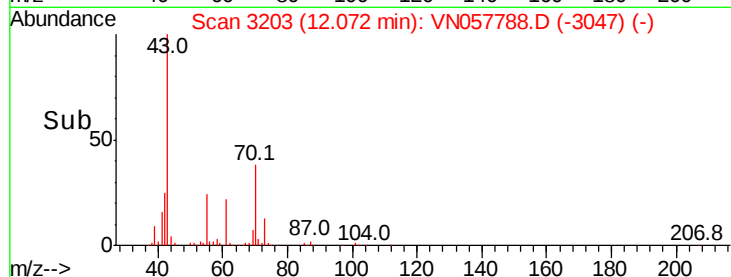
60000

40000

20000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 17.362 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN057788.D

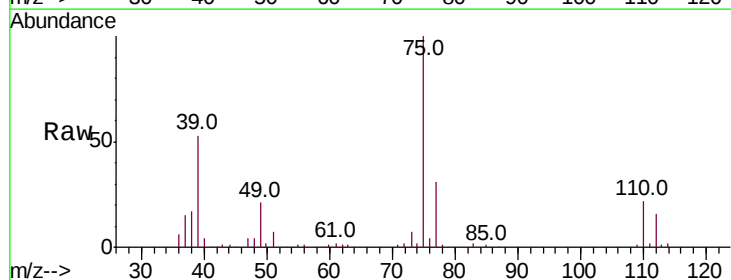
Acq: 9 Sep 2019 9:35

Tgt Ion: 75 Resp: 121948

Ion Ratio Lower Upper

75 100

77 31.1 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

80000

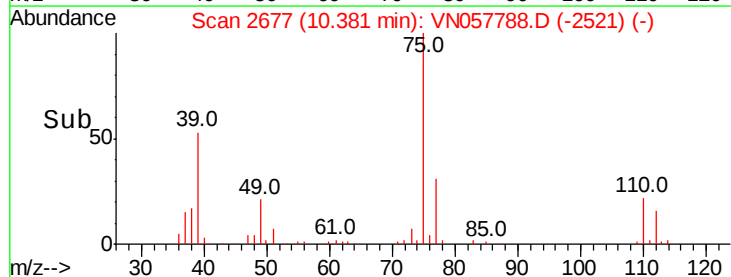
60000

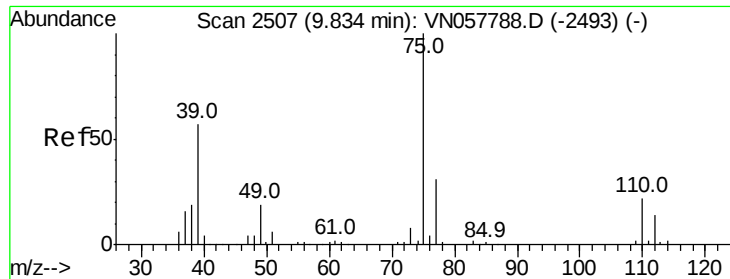
40000

20000

0

Time-->



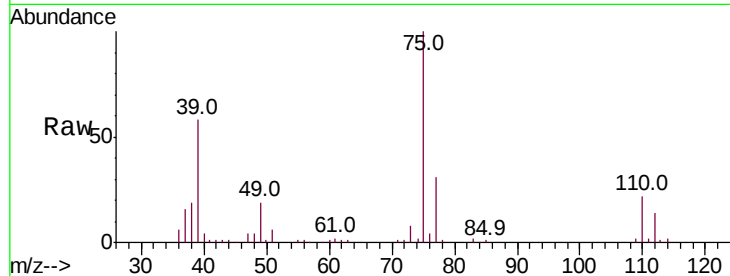


#49

cis-1,3-Dichloropropene
 Concen: 17.763 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057788.D
 Acq: 9 Sep 2019 9:35

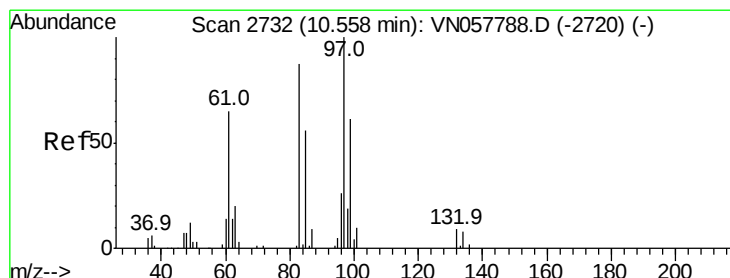
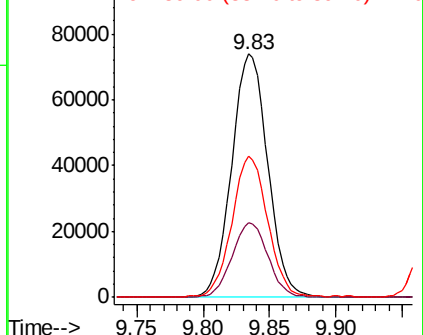
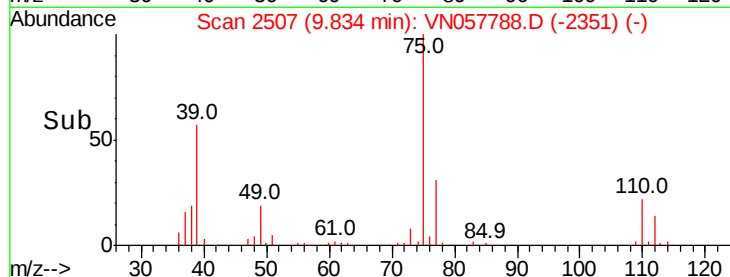
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.6	36.8
39	57.3	45.8	68.8



Abundance

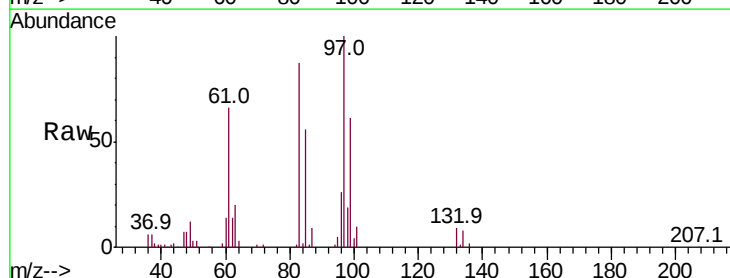
Ion 75.00 (74.70 to 75.70): VN0



#50

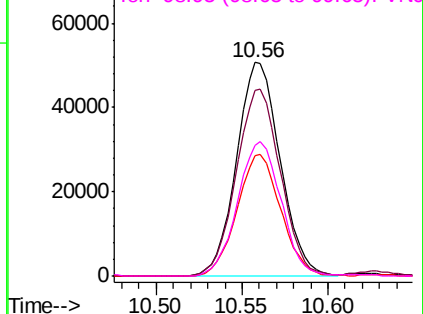
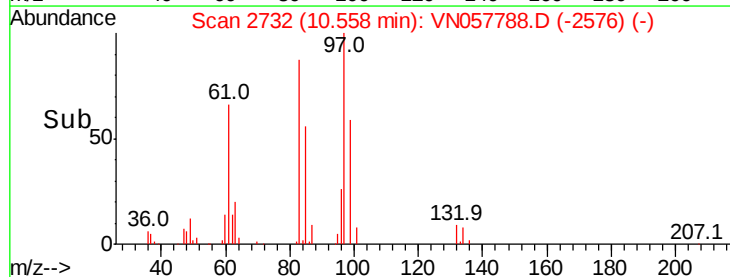
1,1,2-Trichloroethane
 Concen: 18.870 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057788.D
 Acq: 9 Sep 2019 9:35

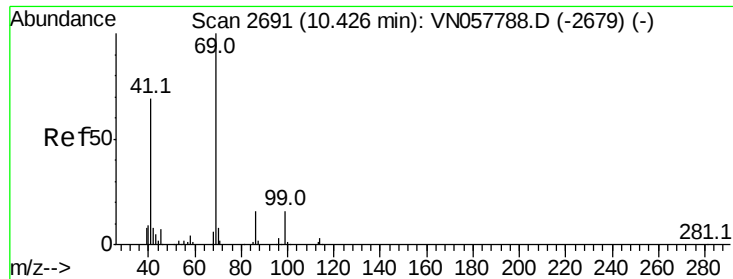
Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.4	104.2
85	56.3	45.0	67.6
99	61.0	48.8	73.2



Abundance

Ion 97.00 (96.70 to 97.70): VN0





#51

Ethyl methacrylate

Concen: 17.956 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

Instrument :

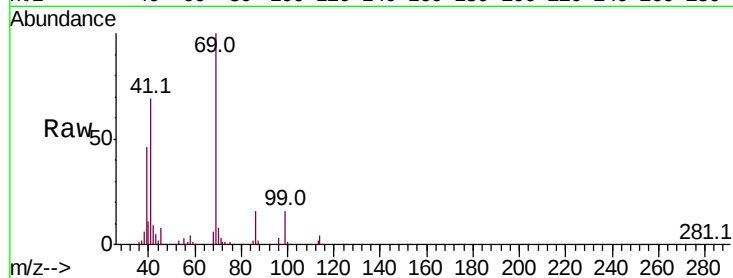
MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion: 69 Resp: 132157

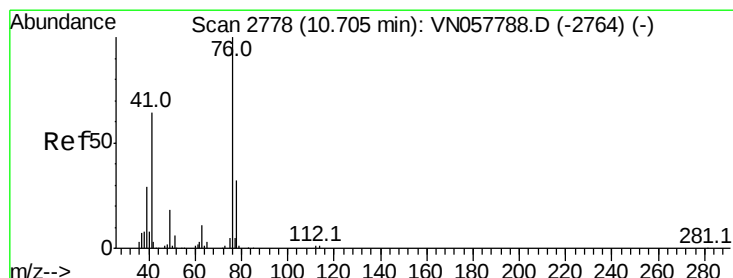
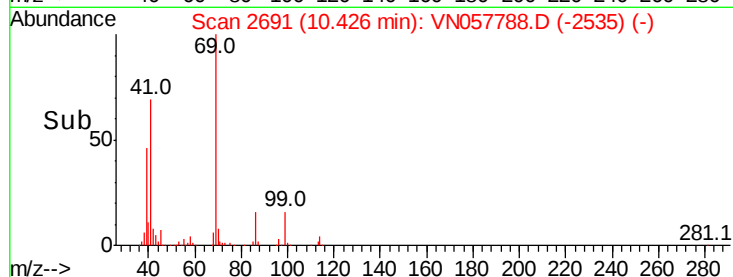
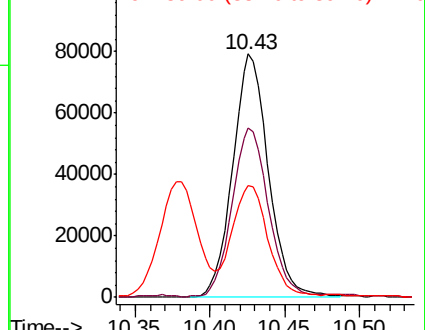
Ion	Ratio	Lower	Upper
69	100		
41	69.0	34.5	103.5
39	44.9	22.4	67.3



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: 18.787 ug/l

RT: 10.71 min Scan# 2778

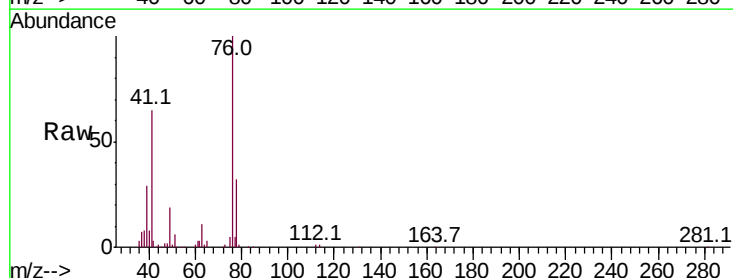
Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

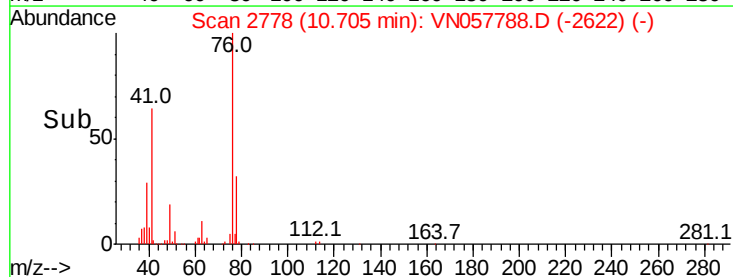
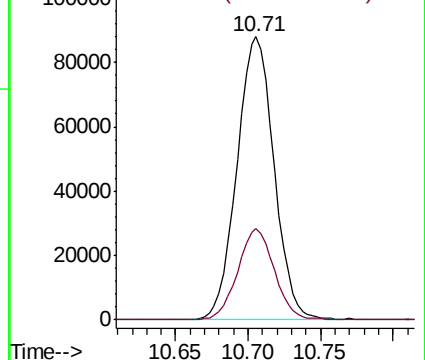
Tgt Ion: 76 Resp: 155956

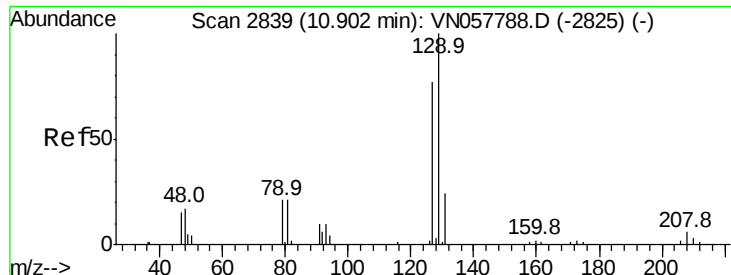
Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	63.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 16.994 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

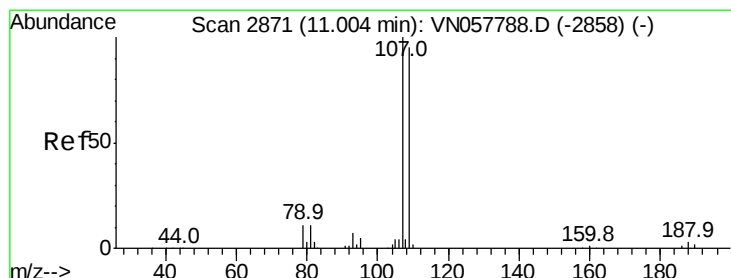
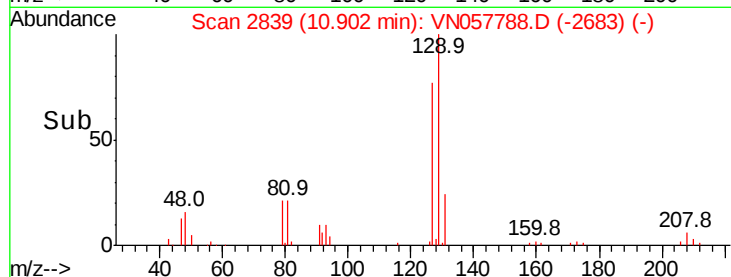
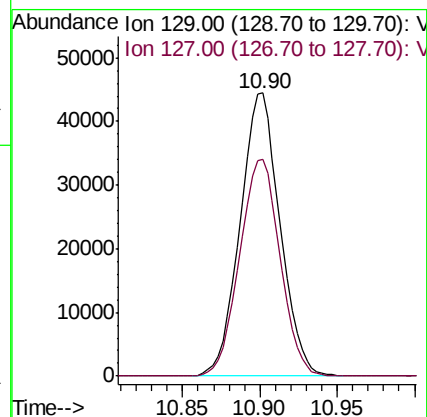
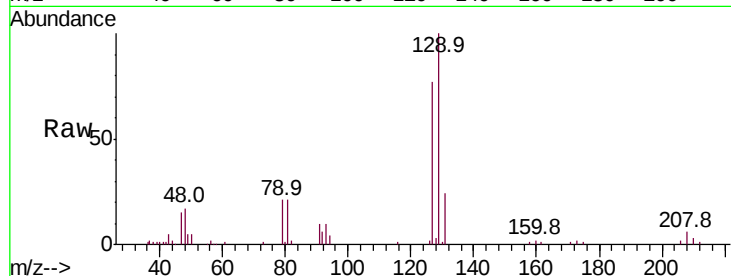
VSTDICCC020

Tot Ion:129 Resp: 79664

Ion Ratio Lower Upper

129 100

127 77.5 38.8 116.3



#54

1,2-Dibromoethane

Concen: 18.331 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057788.D

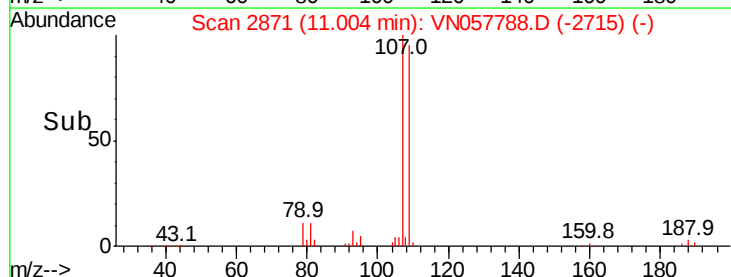
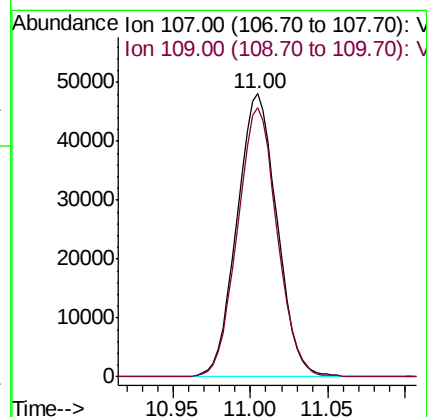
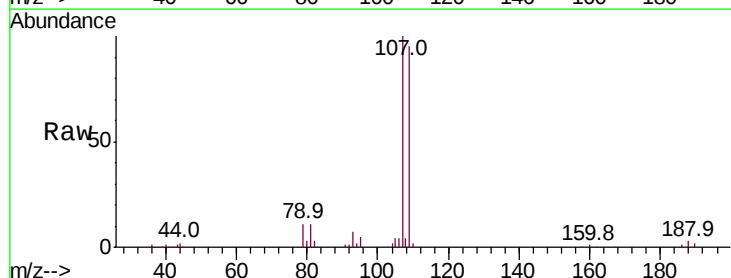
Acq: 9 Sep 2019 9:35

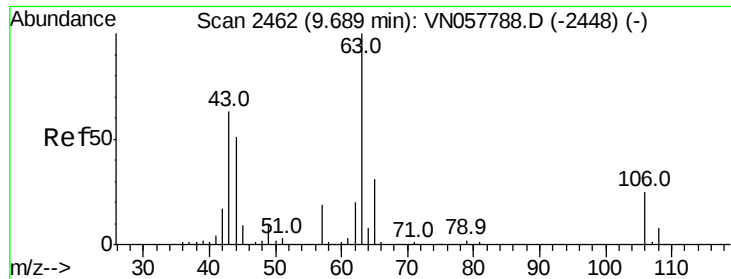
Tgt Ion:107 Resp: 86576

Ion Ratio Lower Upper

107 100

109 94.2 75.4 113.0

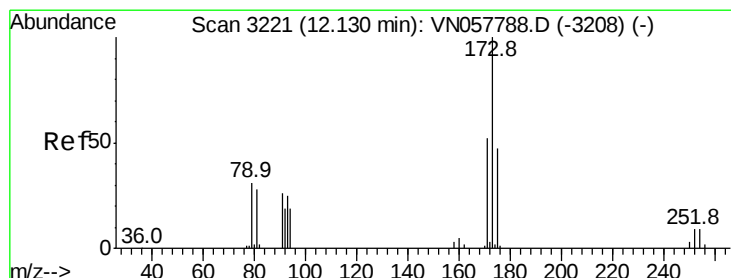
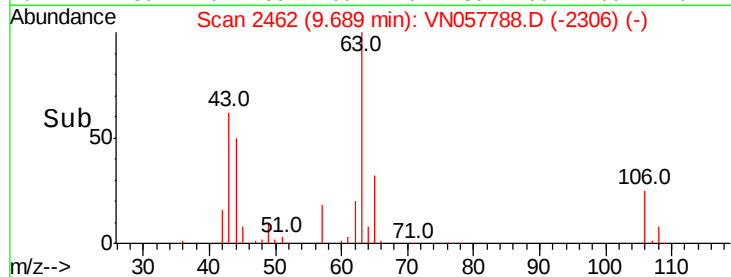
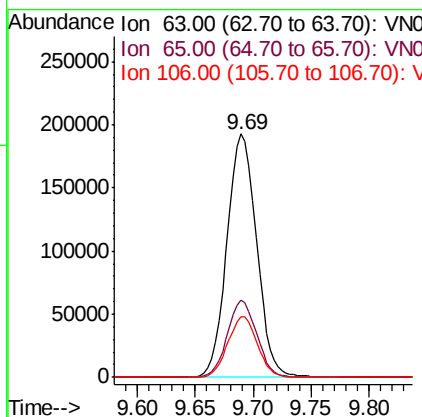
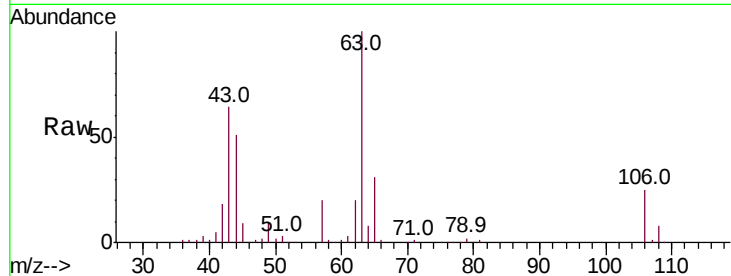




#55
2-Chloroethyl vinyl ether
Concen: 97.961 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VN057788.D
Acq: 9 Sep 2019 9:35

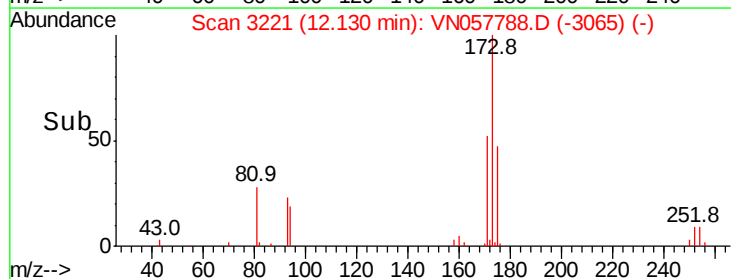
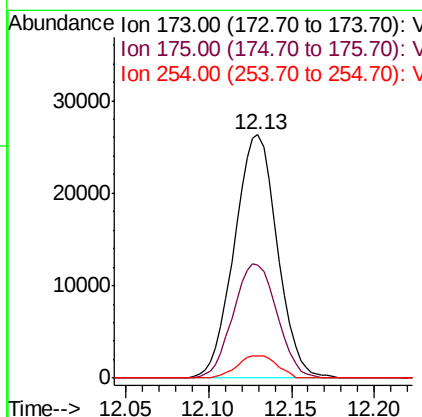
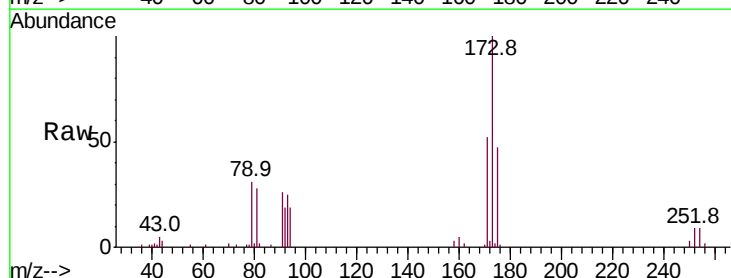
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

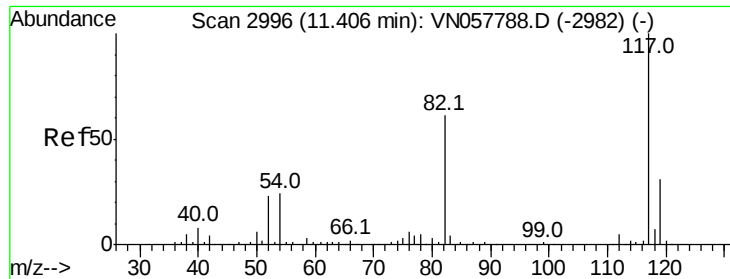
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.0	37.6
106	24.8	19.8	29.8



#56
Bromoform
Concen: 16.332 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN057788.D
Acq: 9 Sep 2019 9:35

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.0	38.4	57.6
254	8.6	6.9	10.3

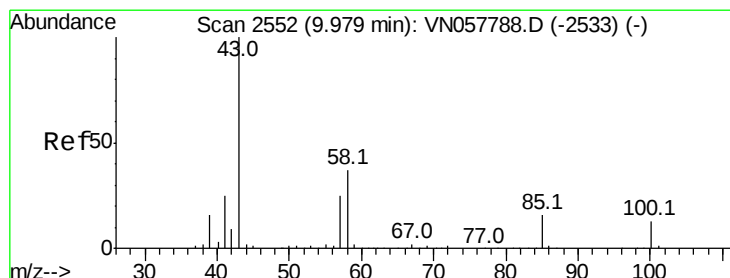
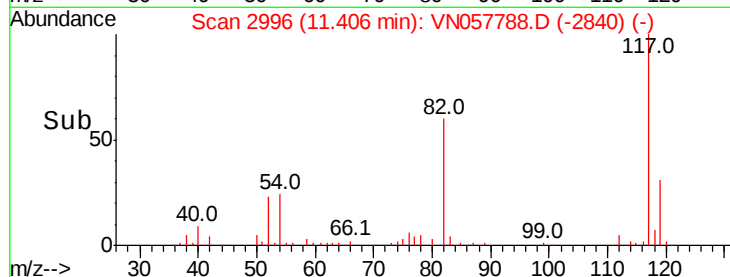
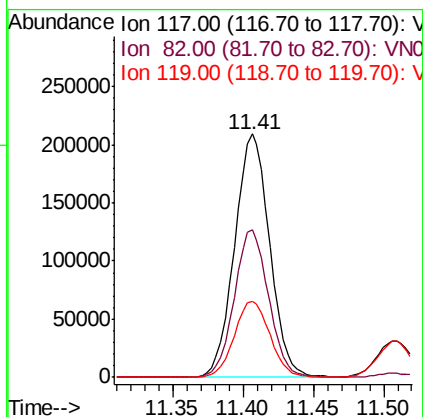
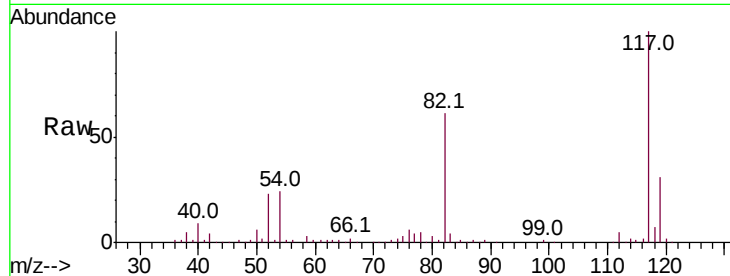




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057788.D
Acq: 9 Sep 2019 9:35

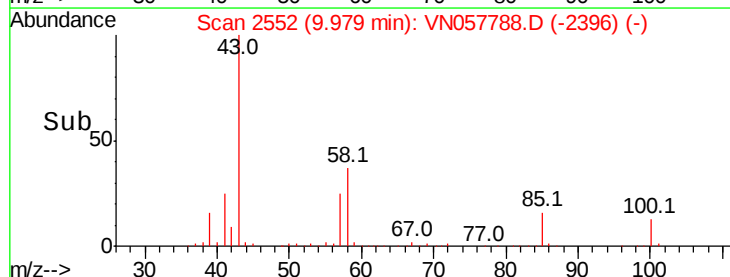
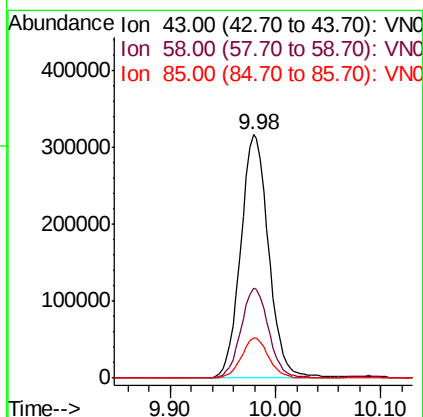
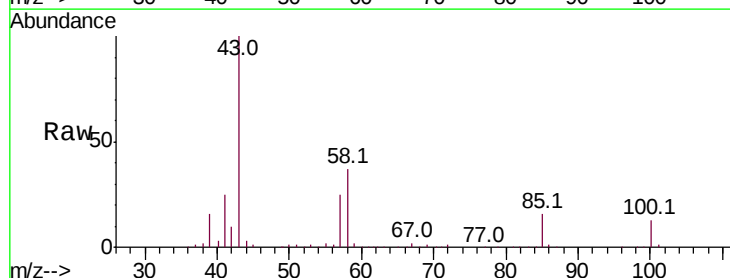
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

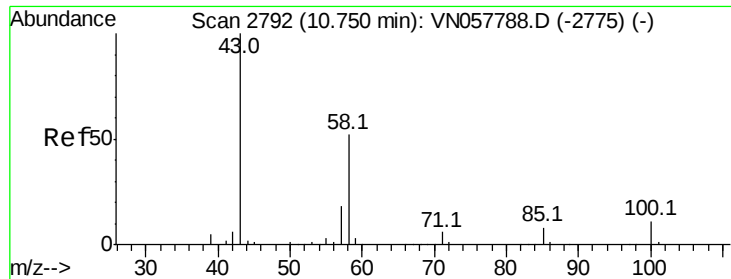
Tot Ion:117 Resp: 364707
Ion Ratio Lower Upper
117 100
82 59.5 47.6 71.4
119 31.8 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 103.030 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057788.D
Acq: 9 Sep 2019 9:35

Tgt Ion: 43 Resp: 582716
Ion Ratio Lower Upper
43 100
58 36.7 29.4 44.0
85 16.1 12.9 19.3





#59

2-Hexanone

Concen: 99.494 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

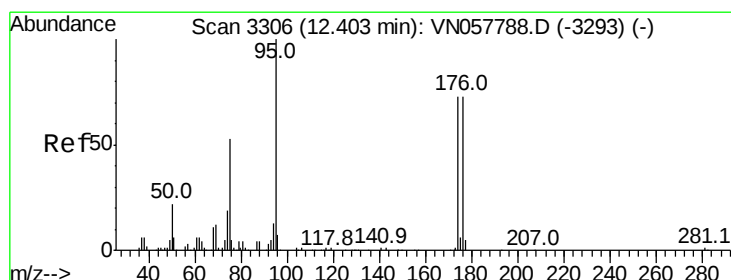
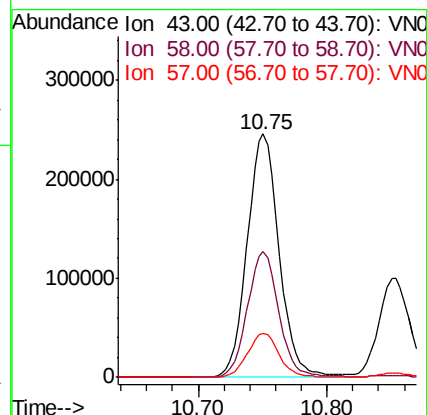
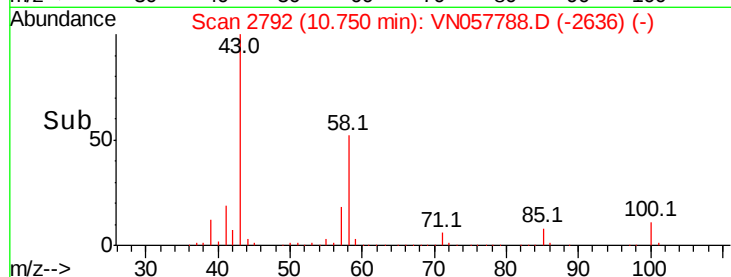
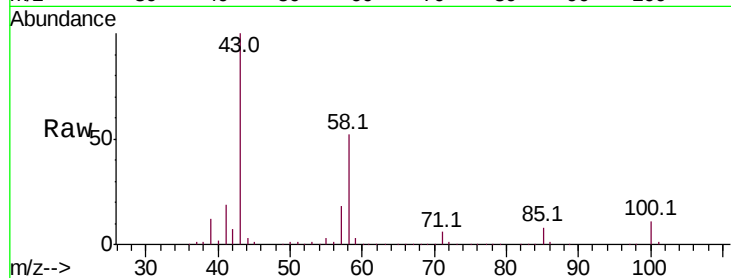
Tot Ion: 43 Resp: 422276

Ion Ratio Lower Upper

43 100

58 50.8 40.6 61.0

57 18.1 14.5 21.7



#60

4-Bromofluorobenzene

Concen: 29.124 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

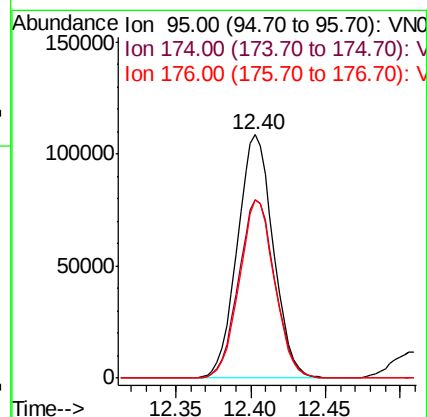
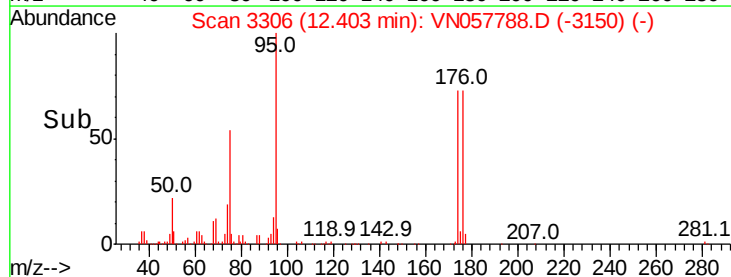
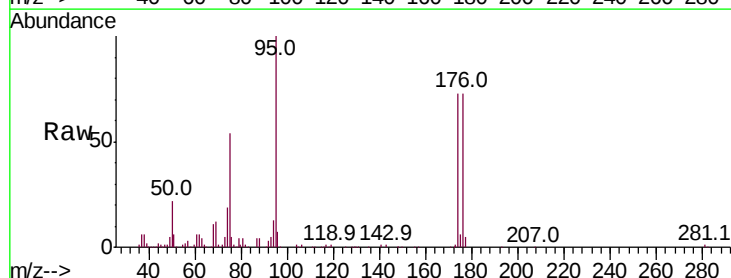
Tgt Ion: 95 Resp: 181759

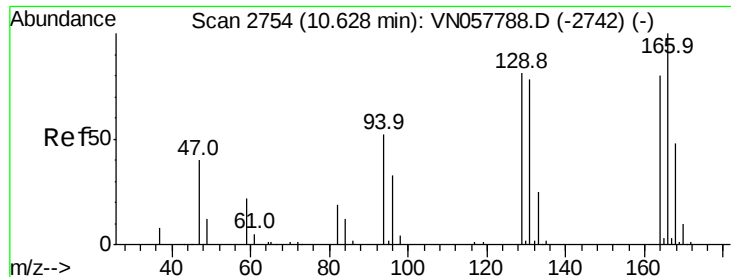
Ion Ratio Lower Upper

95 100

174 74.2 59.4 89.0

176 71.7 57.4 86.0





#61

Tetrachloroethene

Concen: 19.068 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:164 Resp: 70707

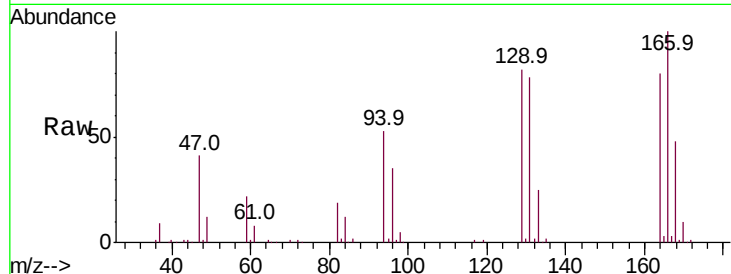
Ion Ratio Lower Upper

164 100

166 124.5 99.6 149.4

129 101.1 80.9 121.3

131 96.5 77.2 115.8

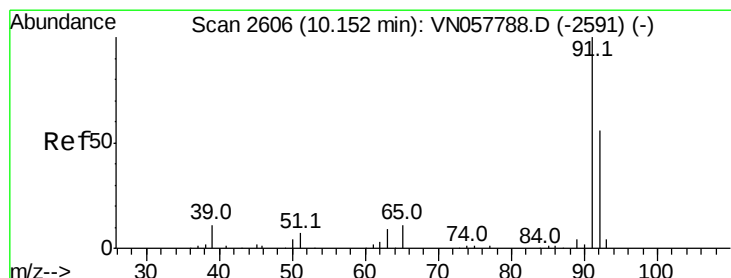
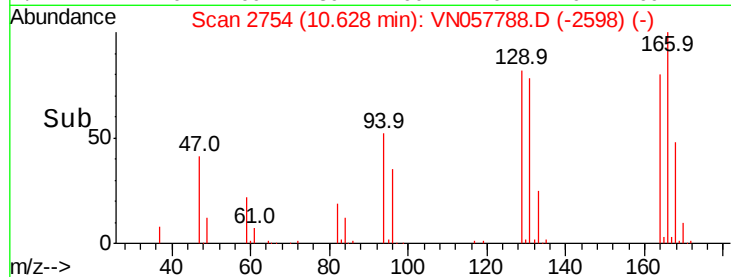
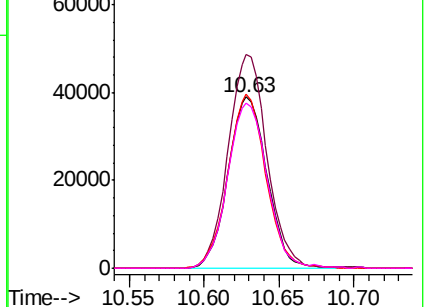


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.548 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057788.D

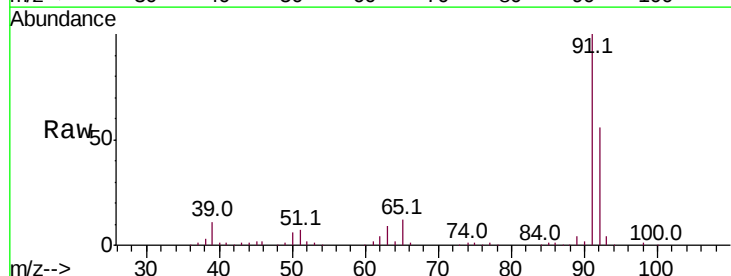
Acq: 9 Sep 2019 9:35

Tgt Ion: 91 Resp: 394752

Ion Ratio Lower Upper

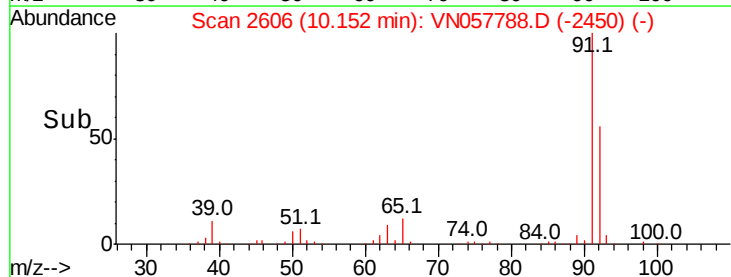
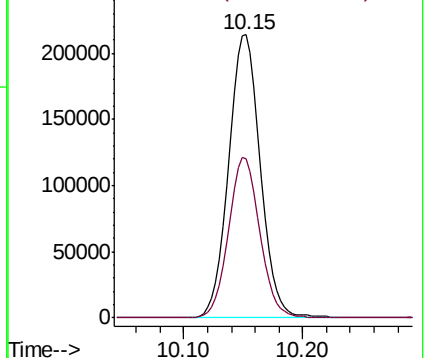
91 100

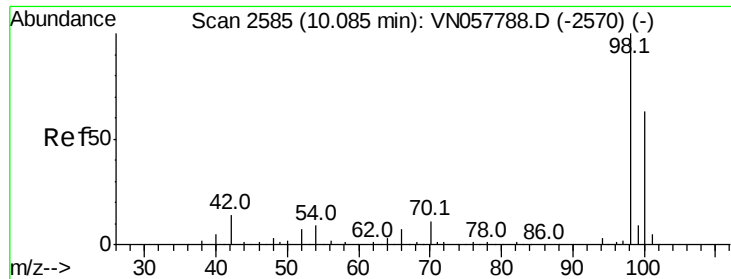
92 56.1 44.9 67.3



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 30.488 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

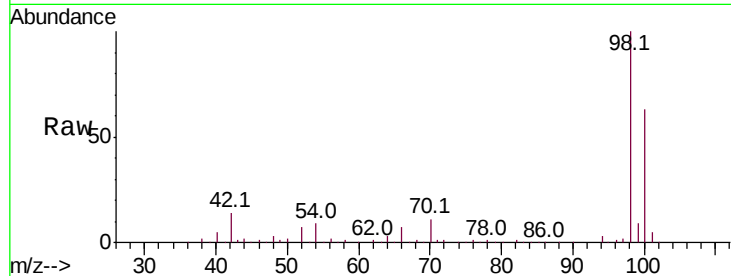
VSTDICCC020

Tot Ion: 98 Resp: 533708

Ion Ratio Lower Upper

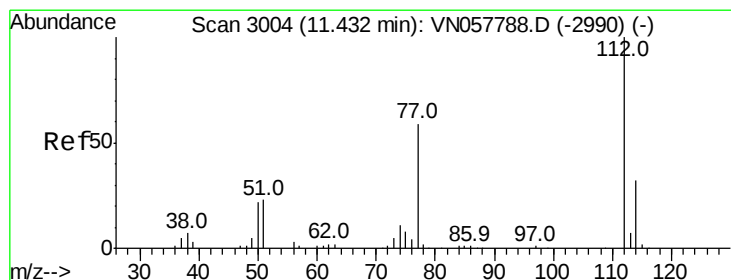
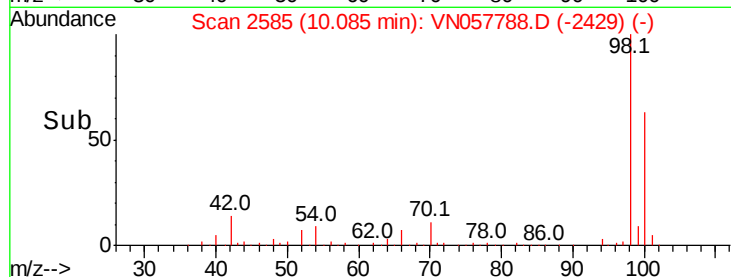
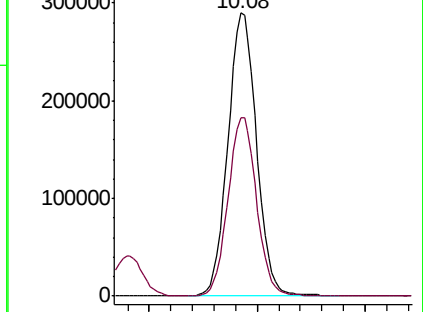
98 100

100 62.9 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) (-)



#64

Chlorobenzene

Concen: 19.158 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057788.D

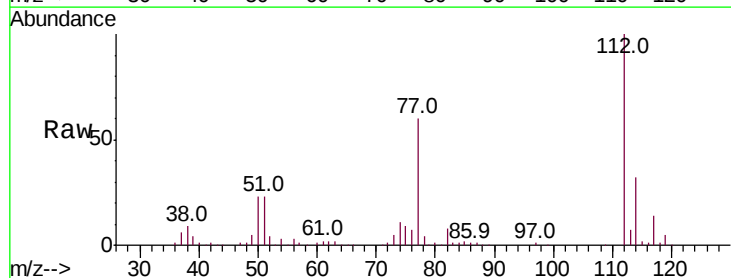
Acq: 9 Sep 2019 9:35

Tgt Ion: 112 Resp: 239993

Ion Ratio Lower Upper

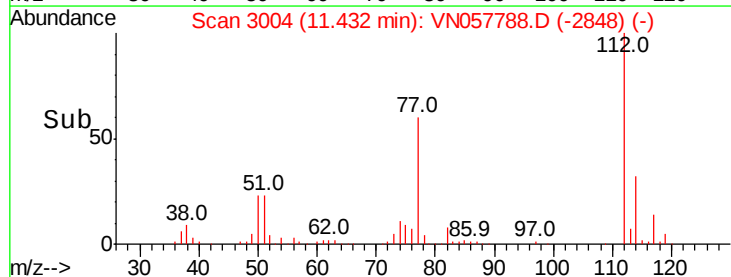
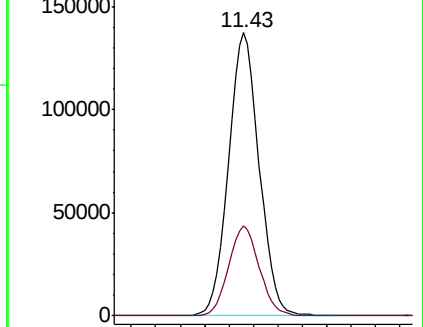
112 100

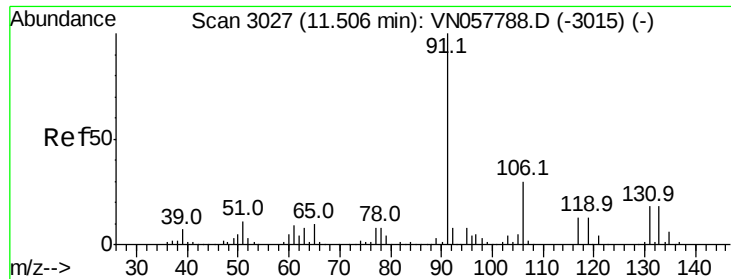
114 31.7 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): VN057788.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN057788.D (-2990) (-)

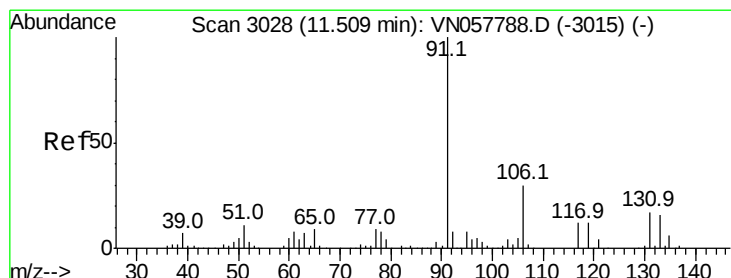
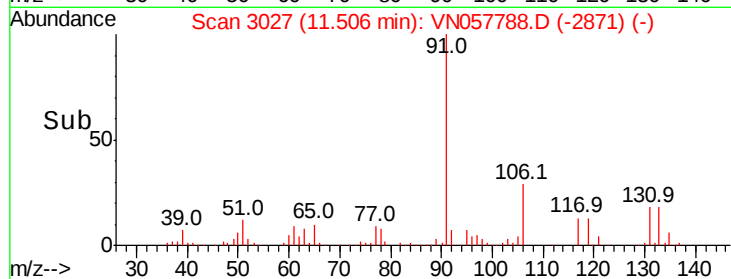
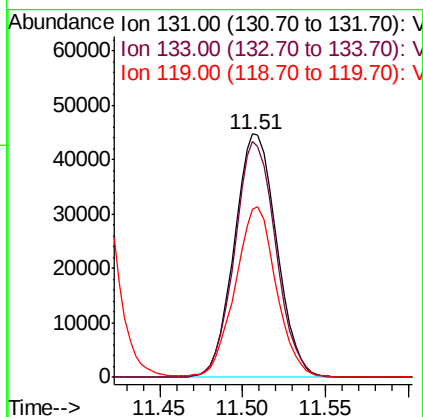
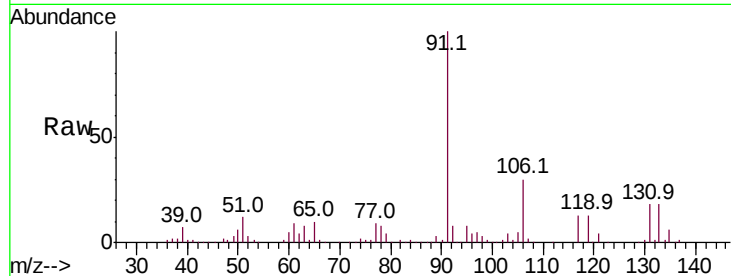




#65
 1,1,1,2-Tetrachloroethane
 Concen: 18.245 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. 0.00 min
 Lab File: VN057788.D
 Acq: 9 Sep 2019 9:35

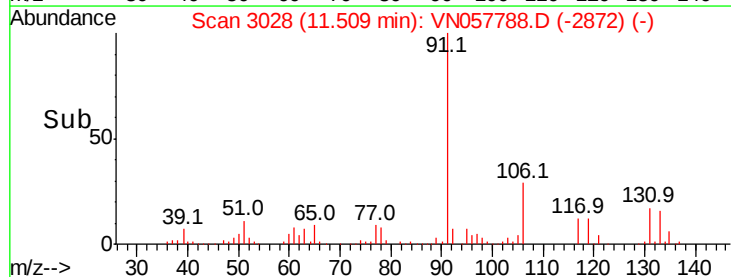
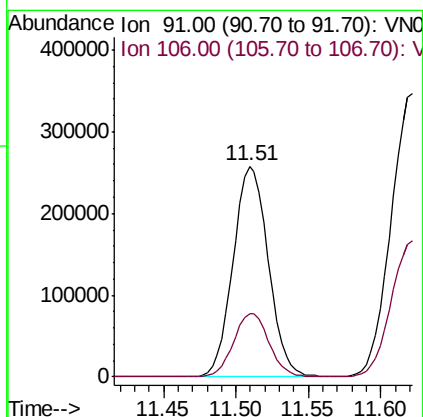
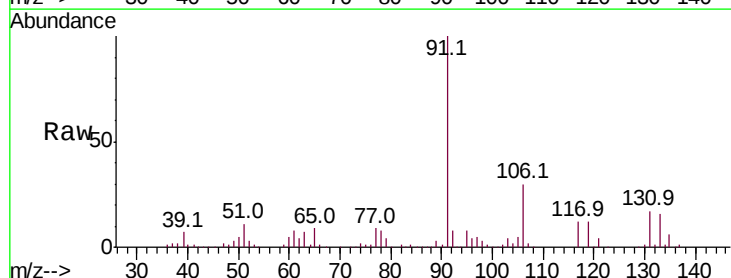
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

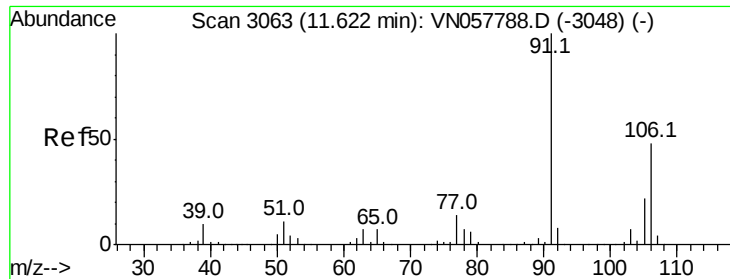
Tot Ion:131 Resp: 79360
 Ion Ratio Lower Upper
 131 100
 133 94.6 0.0 189.2
 119 68.2 0.0 136.4



#66
 Ethyl Benzene
 Concen: 19.751 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN057788.D
 Acq: 9 Sep 2019 9:35

Tgt Ion: 91 Resp: 435180
 Ion Ratio Lower Upper
 91 100
 106 30.0 24.0 36.0

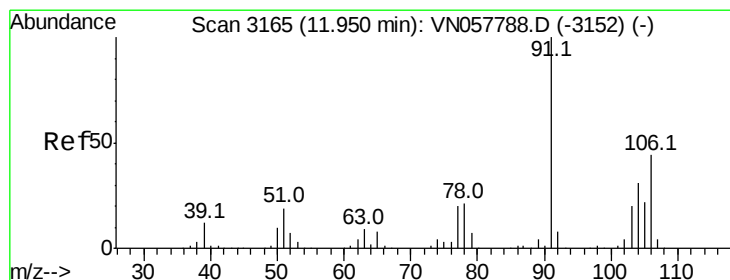
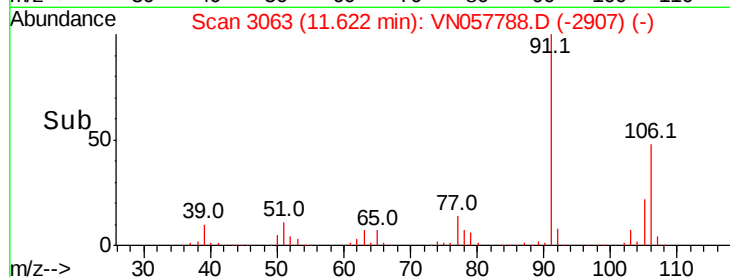
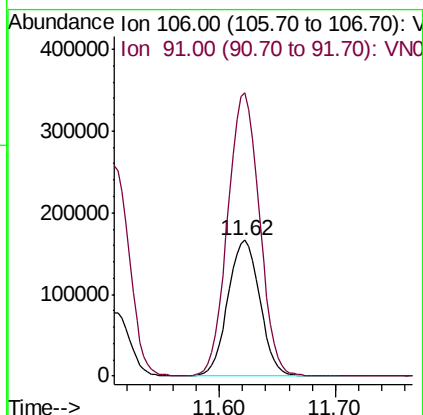
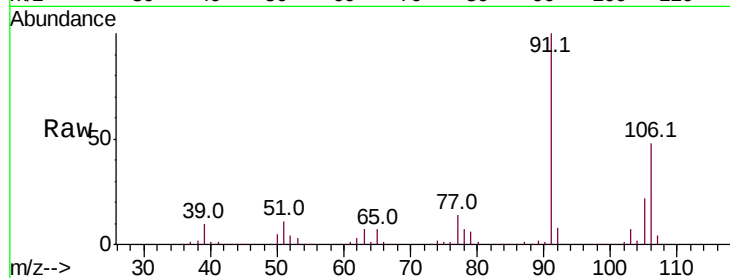




#67
m/p-Xylenes
Concen: 41.807 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057788.D
Acq: 9 Sep 2019 9:35

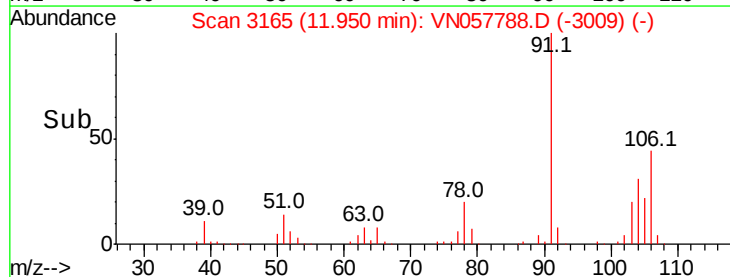
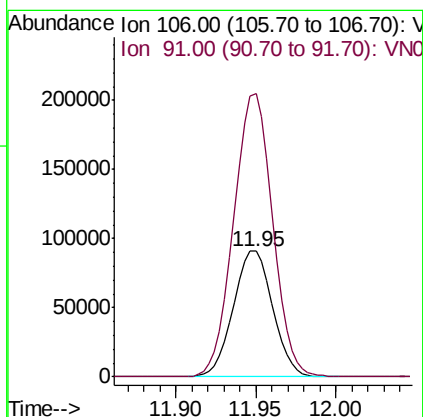
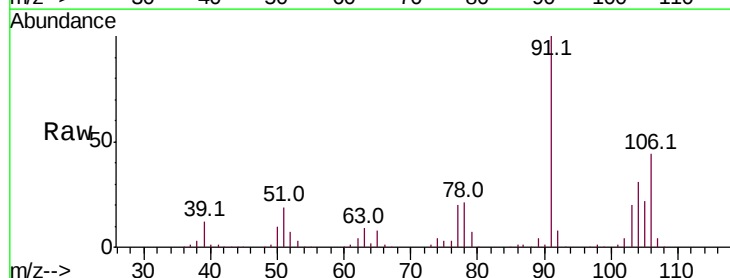
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

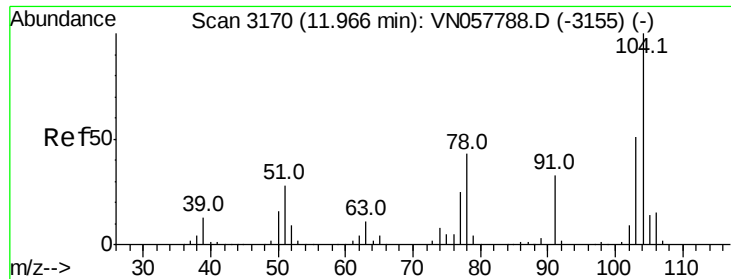
Tot Ion:106 Resp: 318155
Ion Ratio Lower Upper
106 100
91 207.6 166.1 249.1



#68
o-Xylene
Concen: 18.516 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057788.D
Acq: 9 Sep 2019 9:35

Tgt Ion:106 Resp: 152593
Ion Ratio Lower Upper
106 100
91 222.9 111.5 334.4

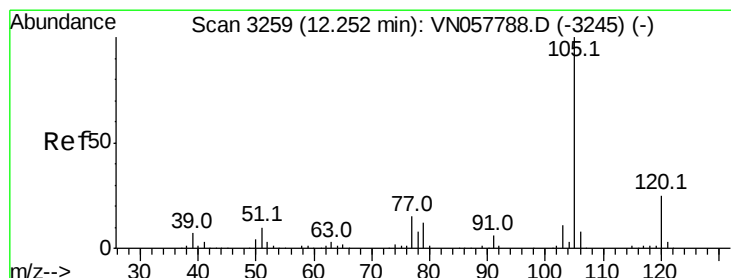
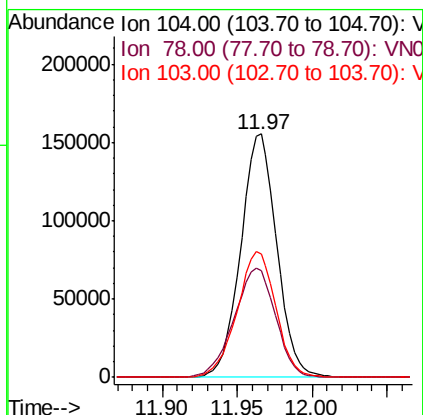
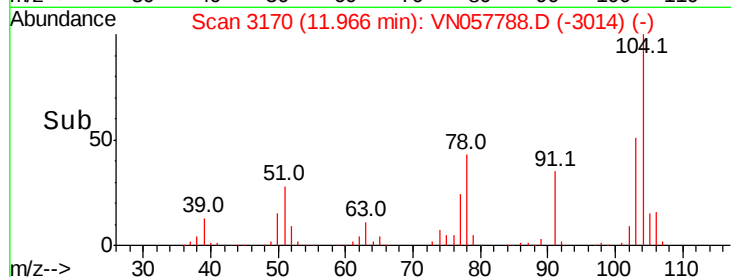
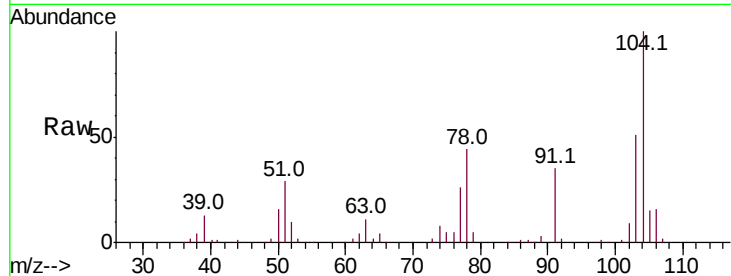




#69
Stvrene
Concen: 18.554 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057788.D
Acq: 9 Sep 2019 9:35

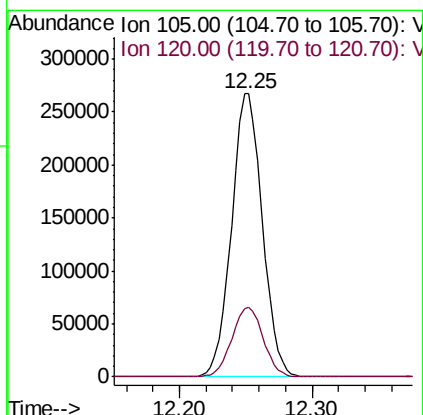
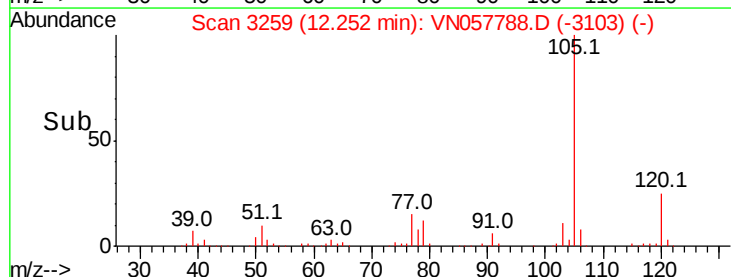
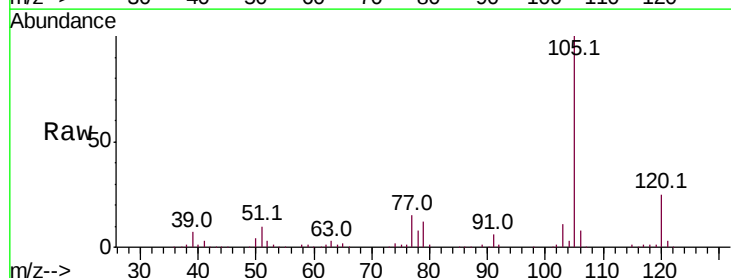
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

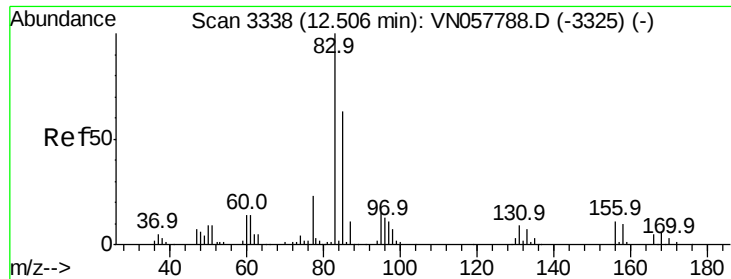
Tot Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.5	62.3
103	56.0	44.8	67.2



#70
Isopropylbenzene
Concen: 19.744 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN057788.D
Acq: 9 Sep 2019 9:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.1	17.6	32.6

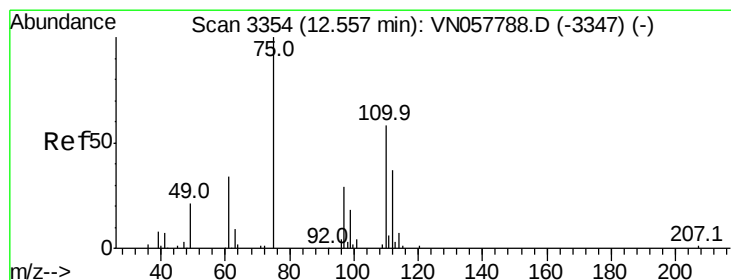
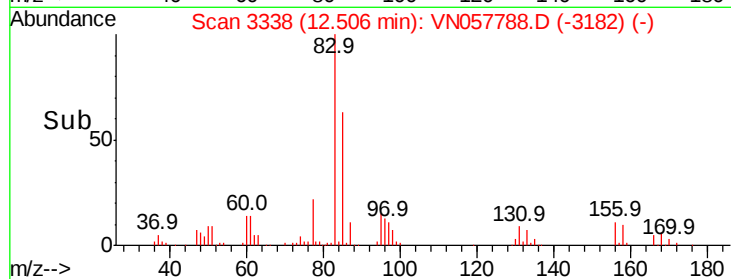
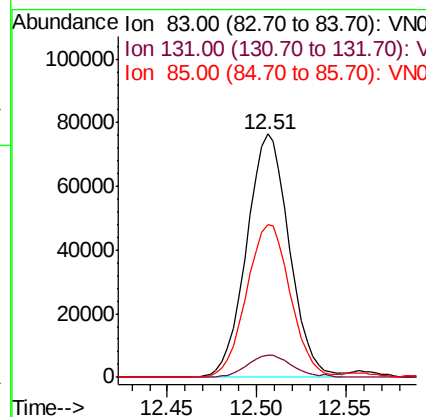
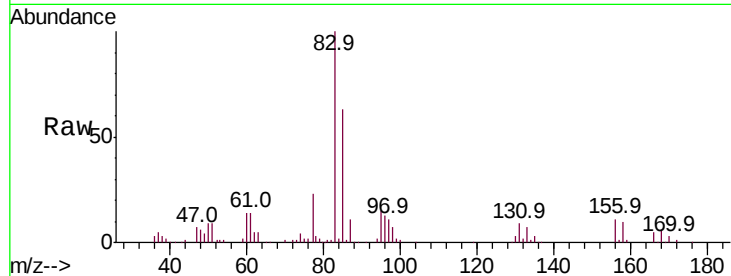




#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.872 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN057788.D
 Acq: 9 Sep 2019 9:35

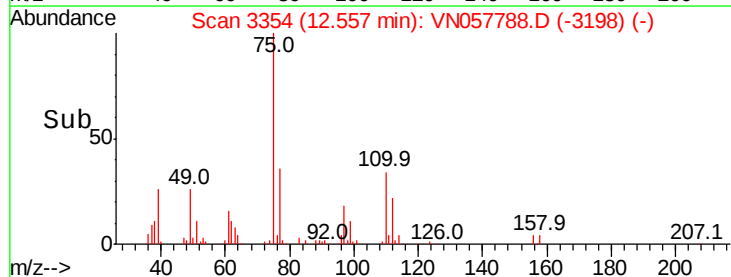
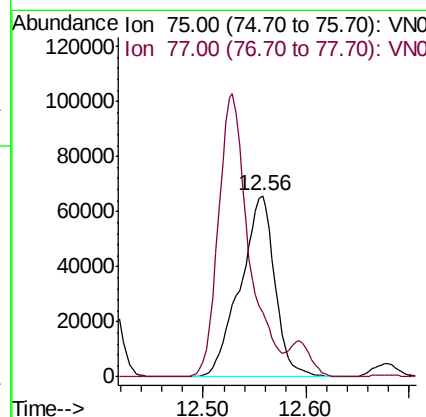
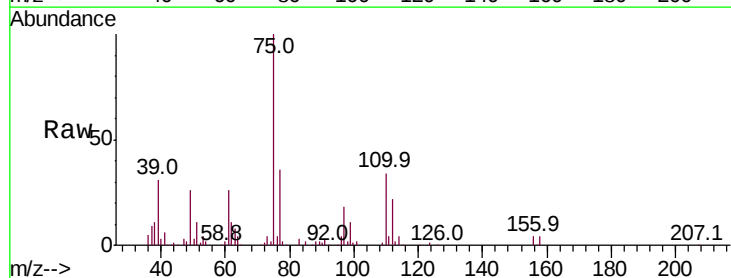
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

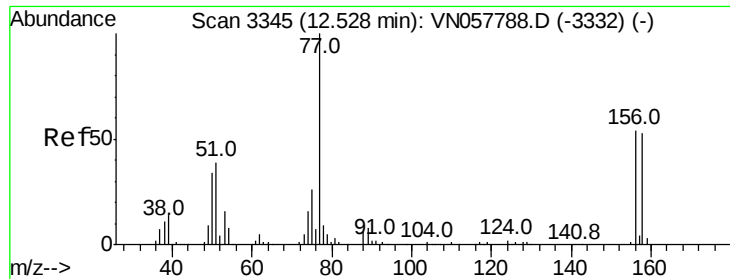
Tot Ion	83	Resp	128501
Ion Ratio	100	Lower	Upper
131	9.7	4.9	14.6
85	64.2	32.1	96.3



#72
 1,2,3-Trichloropropane
 Concen: 25.714 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN057788.D
 Acq: 9 Sep 2019 9:35

Tgt Ion	75	Resp	153218
Ion Ratio	100	Lower	Upper
77	137.6	0.0	351.6





#73

Bromobenzene

Concen: 18.093 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

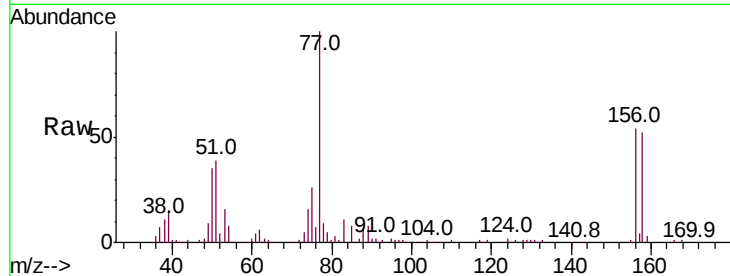
Tot Ion:156 Resp: 94372

Ion Ratio Lower Upper

156 100

77 223.3 0.0 446.6

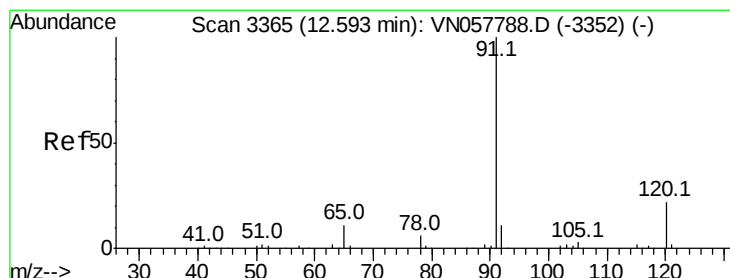
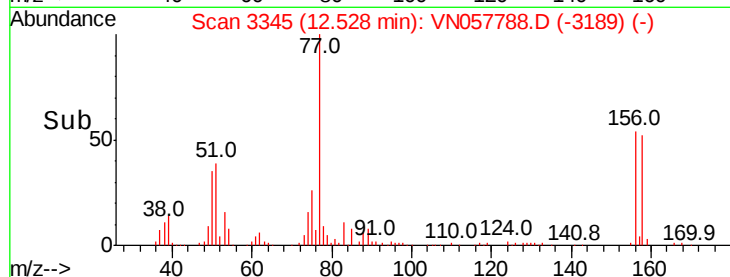
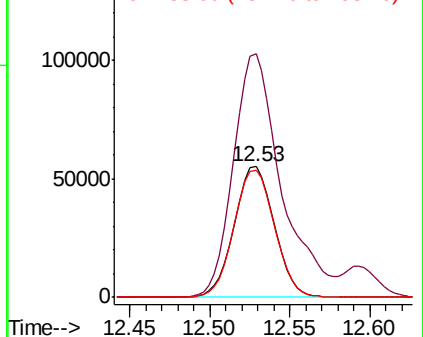
158 98.6 0.0 197.2



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: 19.998 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057788.D

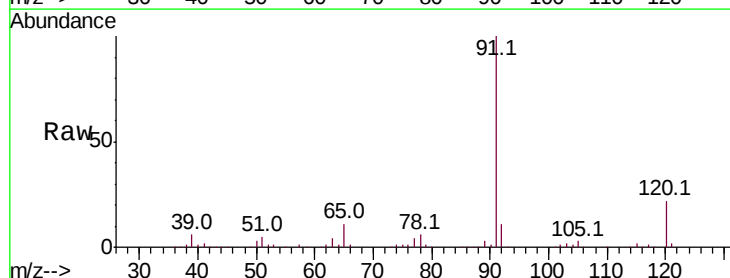
Acq: 9 Sep 2019 9:35

Tgt Ion: 91 Resp: 497796

Ion Ratio Lower Upper

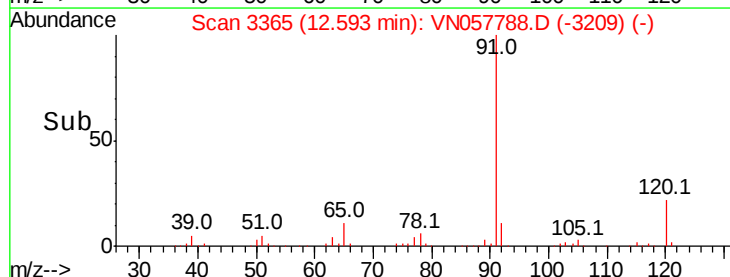
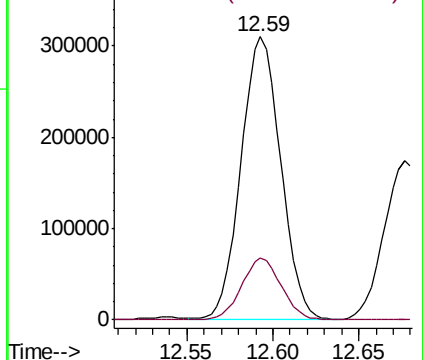
91 100

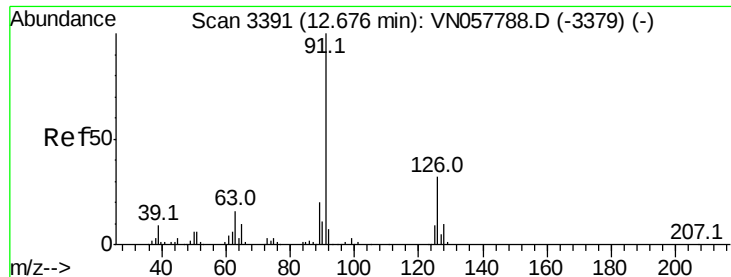
120 21.7 0.0 43.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.700 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

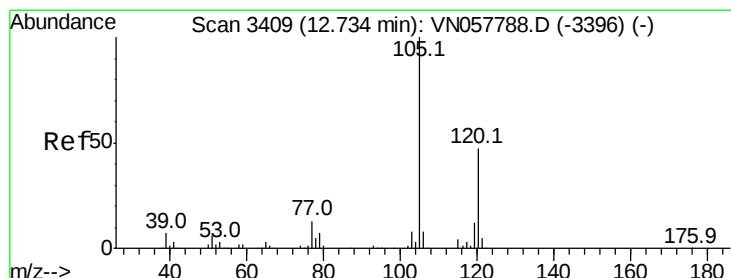
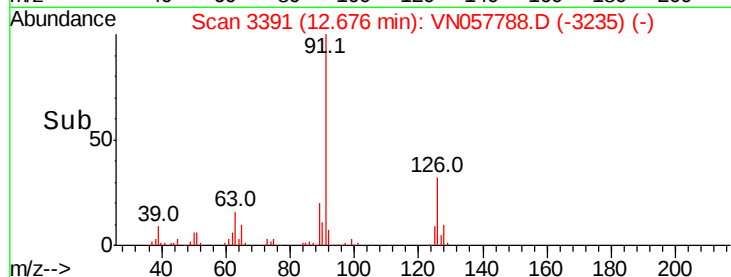
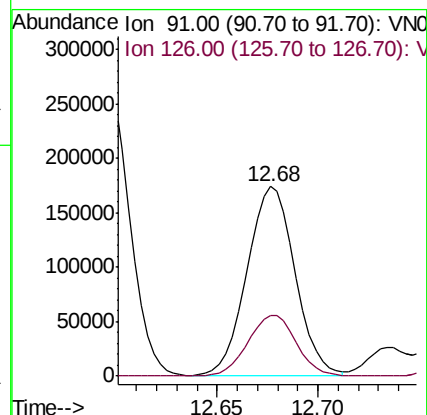
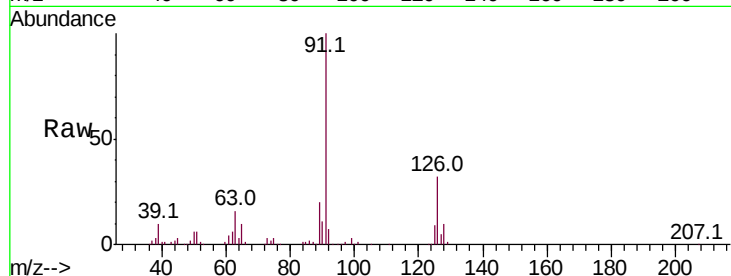
VSTDICCC020

Tot Ion: 91 Resp: 289925

Ion Ratio Lower Upper

91 100

126 32.4 0.0 64.8



#76

1,3,5-Trimethylbenzene

Concen: 19.268 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057788.D

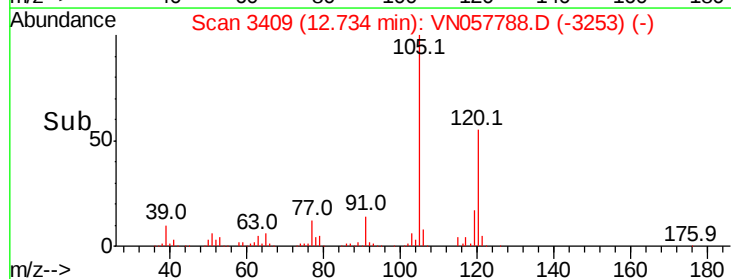
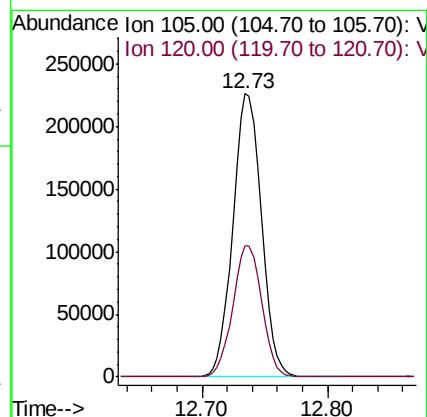
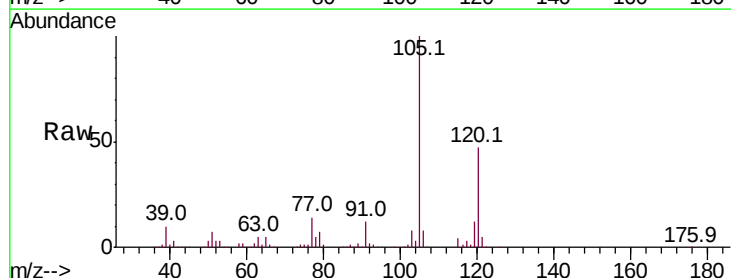
Acq: 9 Sep 2019 9:35

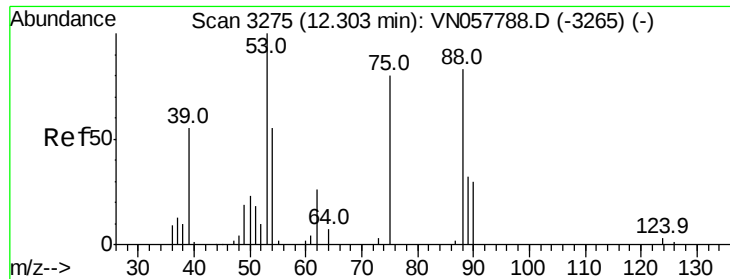
Tgt Ion: 105 Resp: 357465

Ion Ratio Lower Upper

105 100

120 47.2 0.0 94.4





#77

t-1,4-Dichloro-2-butene

Concen: 15.469 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

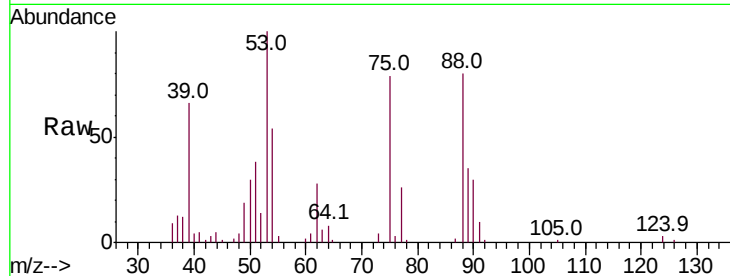
Tot Ion: 75 Resp: 27735

Ion Ratio Lower Upper

75 100

53 125.5 62.7 188.2

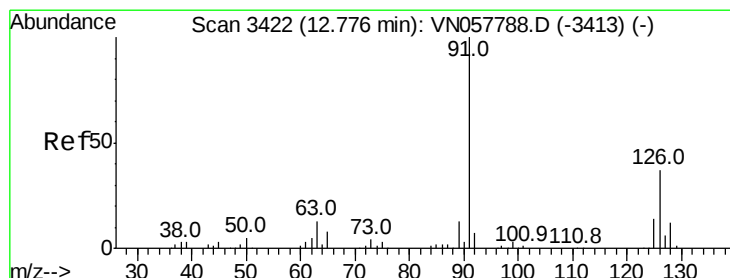
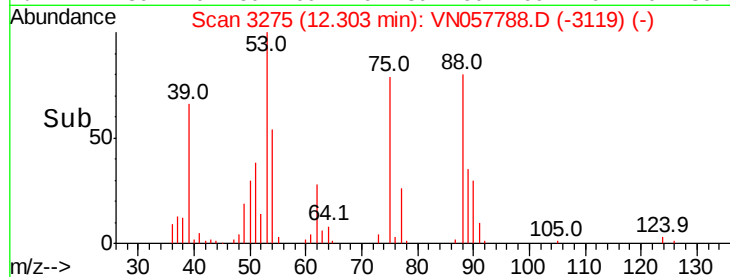
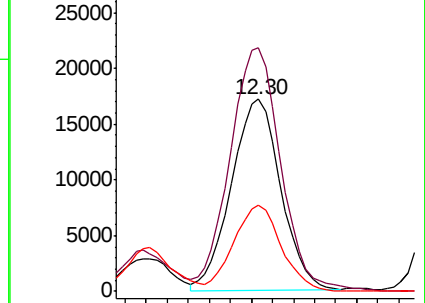
89 45.5 22.8 68.3



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 18.325 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057788.D

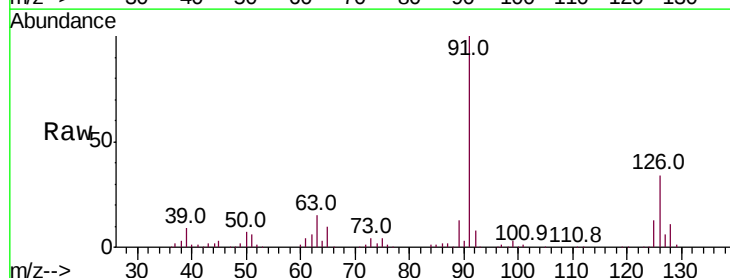
Acq: 9 Sep 2019 9:35

Tgt Ion: 91 Resp: 289813

Ion Ratio Lower Upper

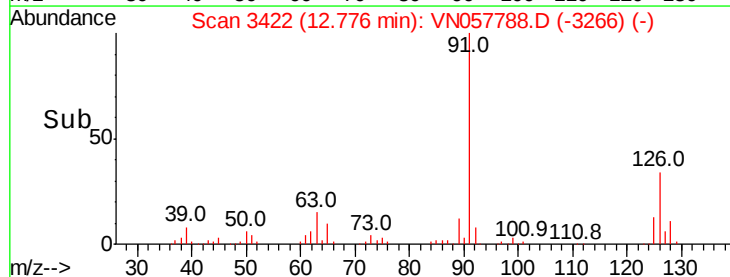
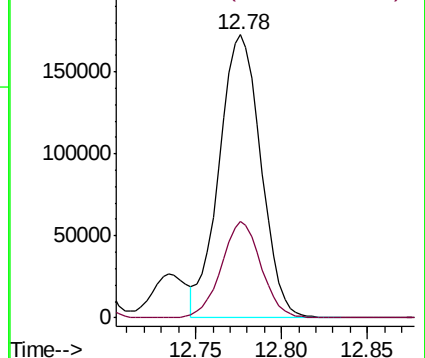
91 100

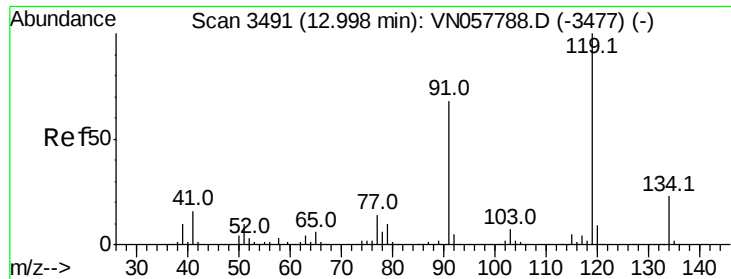
126 32.6 0.0 65.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

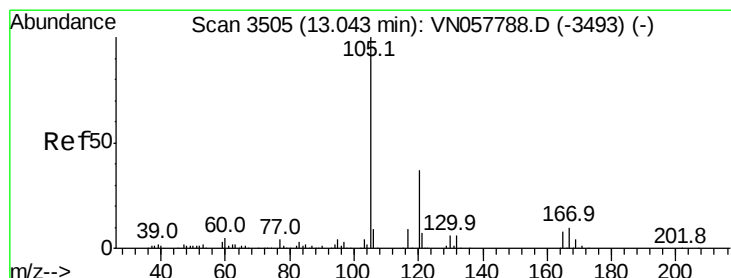
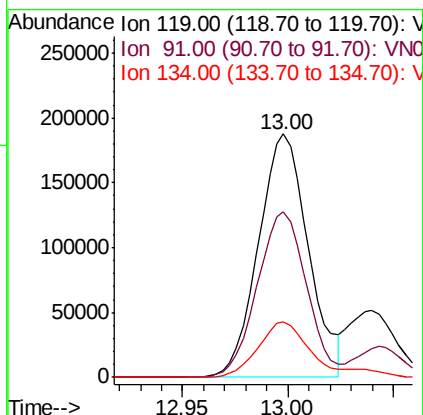
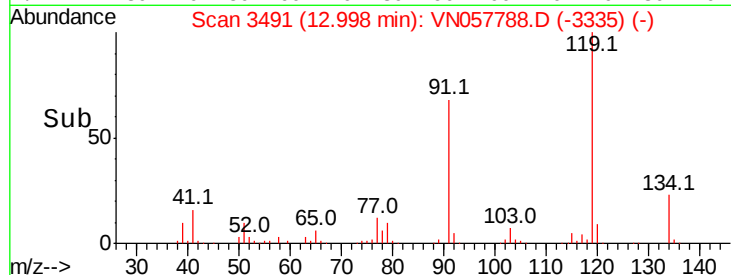
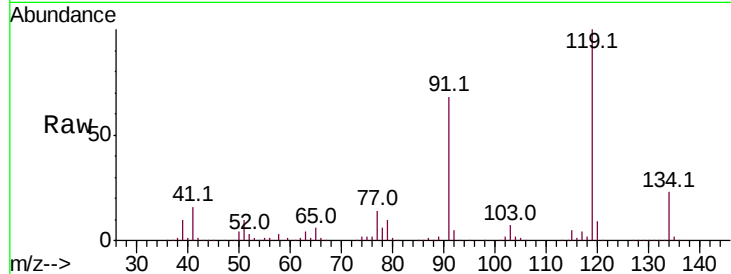




#79
tert-butylbenzene
Concen: 19.079 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057788.D
Acq: 9 Sep 2019 9:35

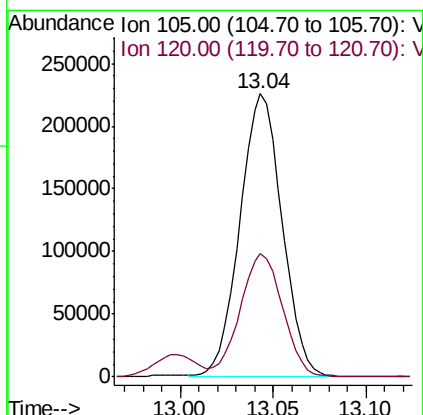
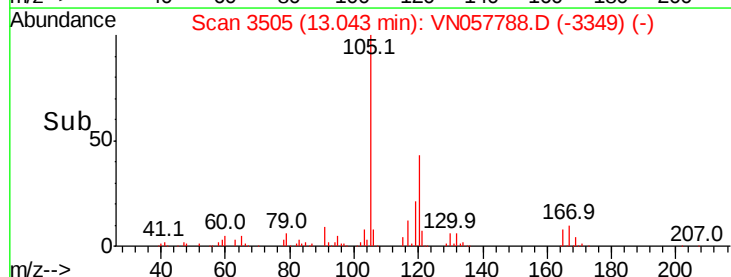
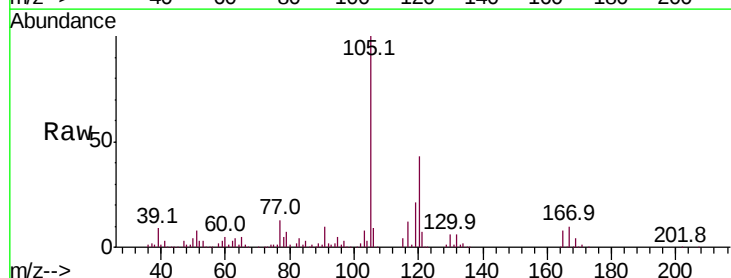
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

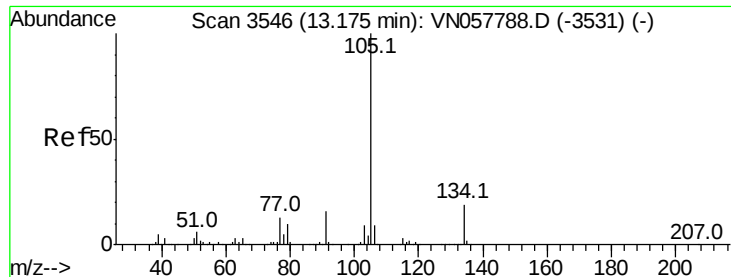
Tot Ion:119 Resp: 308790
Ion Ratio Lower Upper
119 100
91 66.9 0.0 133.8
134 23.2 0.0 46.4



#80
1,2,4-Trimethylbenzene
Concen: 19.289 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057788.D
Acq: 9 Sep 2019 9:35

Tgt Ion:105 Resp: 356567
Ion Ratio Lower Upper
105 100
120 43.9 0.0 87.8





#81

sec-Butylbenzene

Concen: 19.217 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

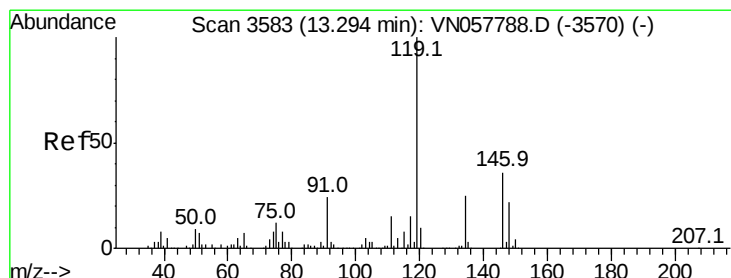
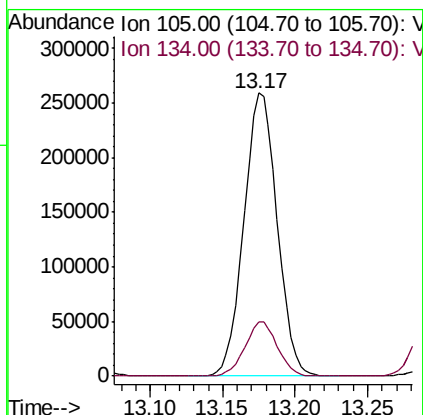
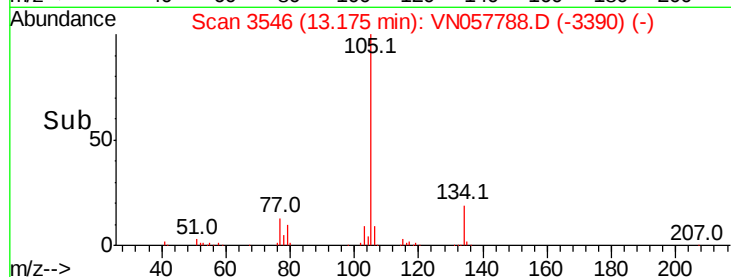
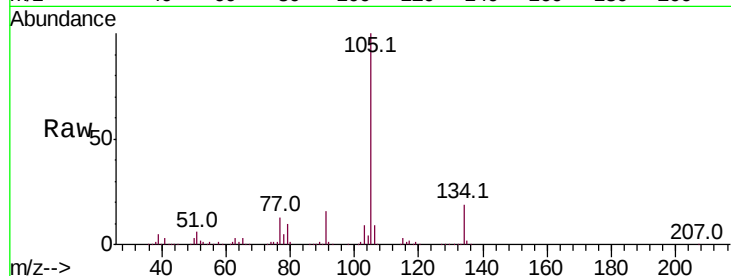
VSTDICCC020

Tot Ion:105 Resp: 412680

Ion Ratio Lower Upper

105 100

134 18.8 0.0 37.6



#82

p-Isopropyltoluene

Concen: 19.282 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

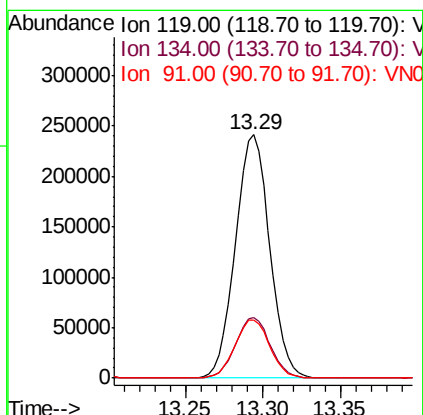
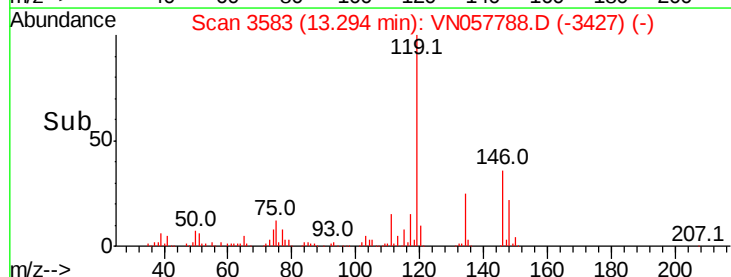
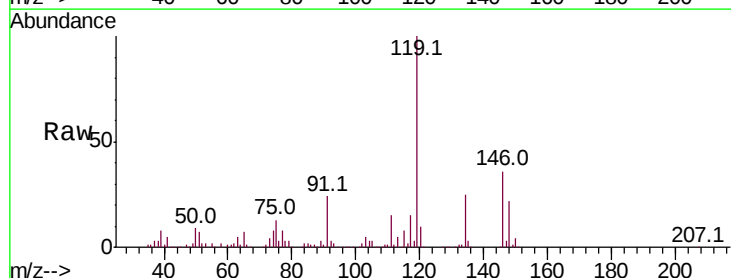
Tgt Ion:119 Resp: 370828

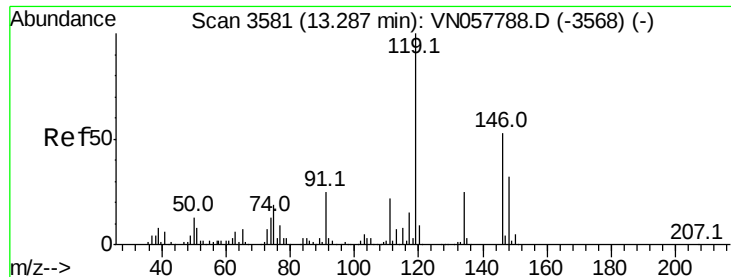
Ion Ratio Lower Upper

119 100

134 25.2 0.0 50.4

91 24.4 0.0 48.8





#83

1,3-Dichlorobenzene

Concen: 18.254 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

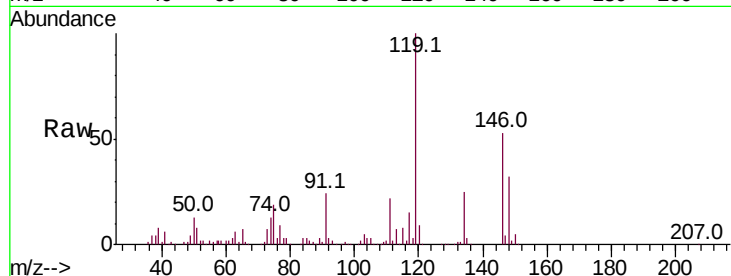
Tot Ion:146 Resp: 176974

Ion Ratio Lower Upper

146 100

111 41.4 20.7 62.1

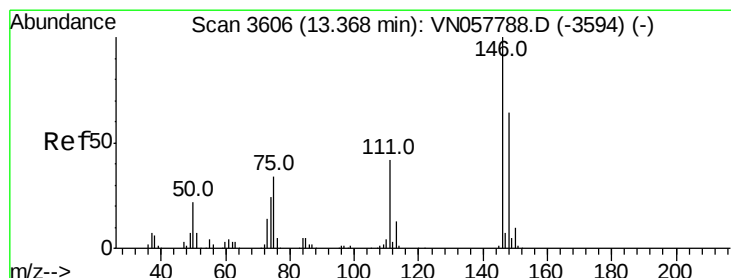
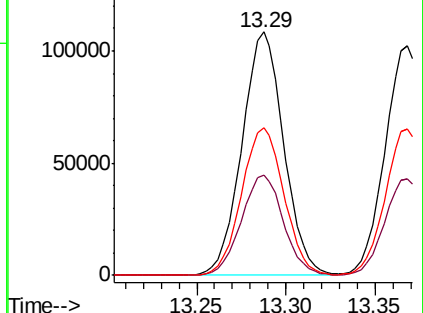
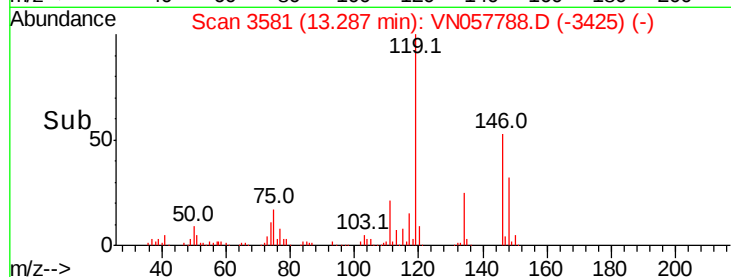
148 61.7 30.9 92.5



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: 17.924 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

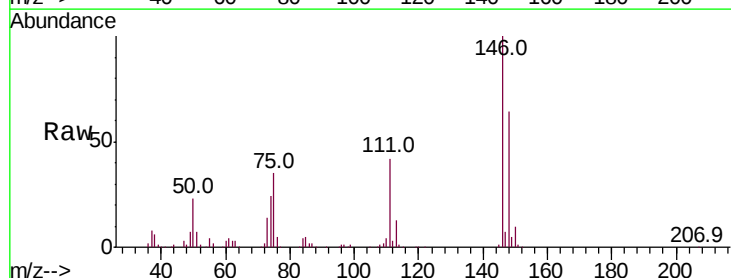
Tgt Ion:146 Resp: 171091

Ion Ratio Lower Upper

146 100

111 42.3 21.1 63.4

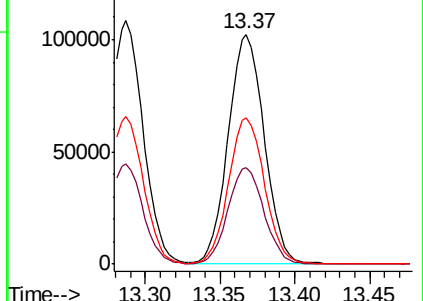
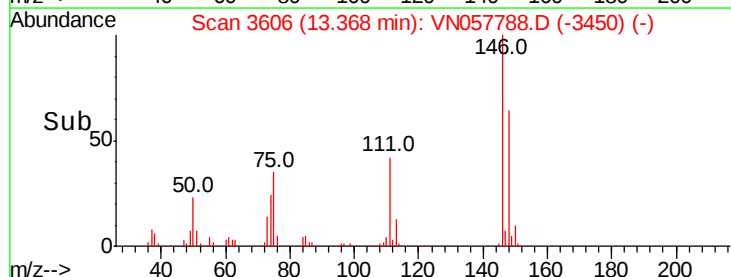
148 63.4 31.7 95.1

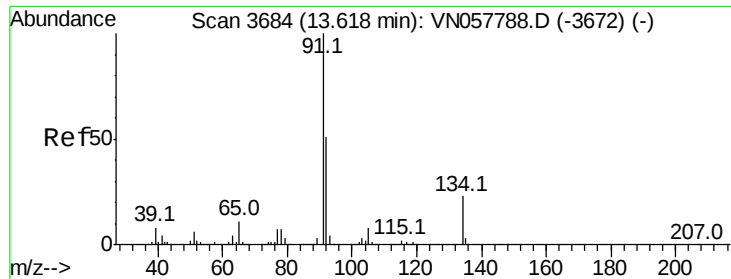


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

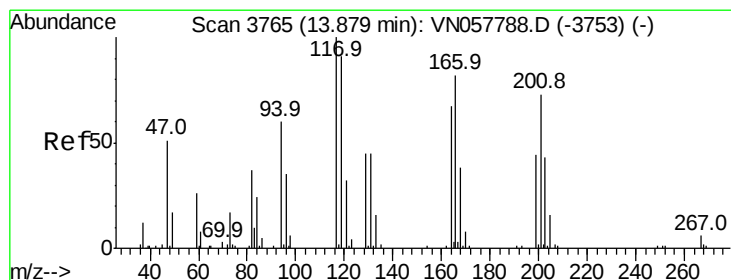
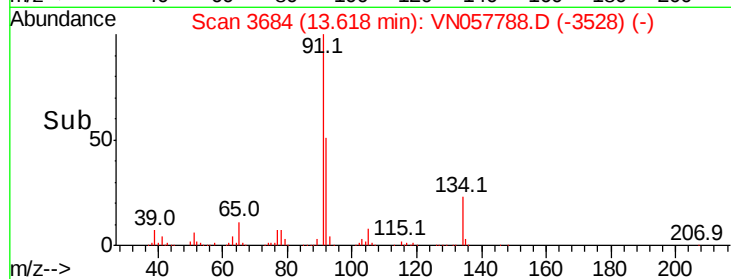
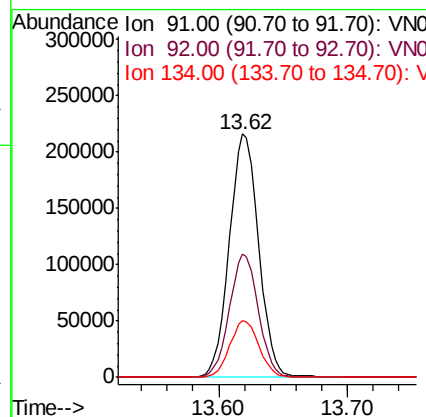
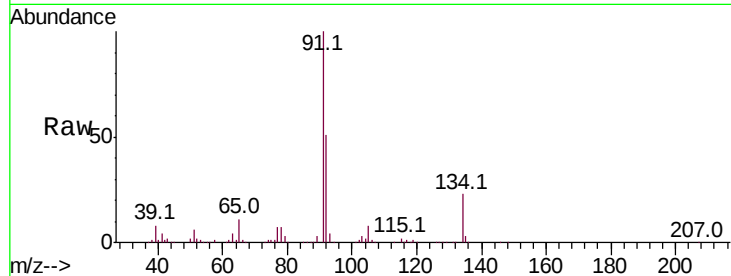




#85
n-Butylbenzene
Concen: 19.003 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057788.D
Acq: 9 Sep 2019 9:35

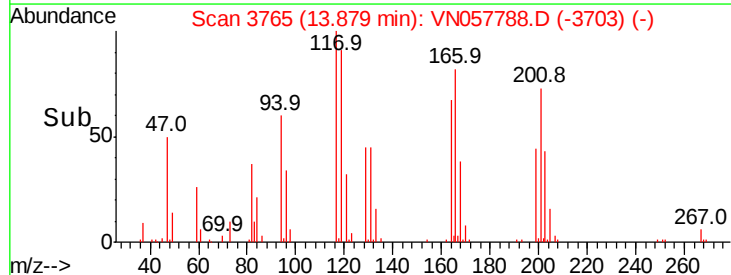
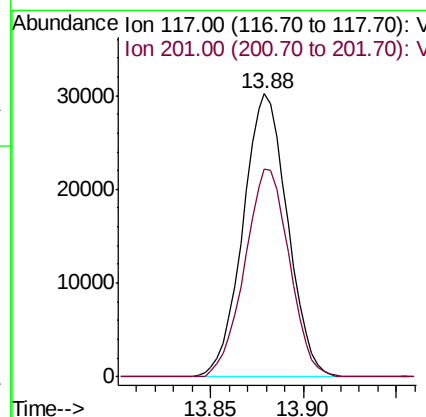
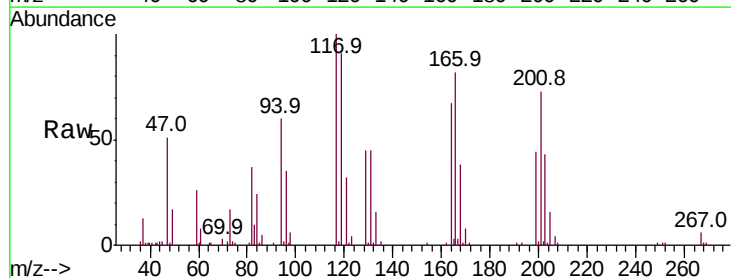
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

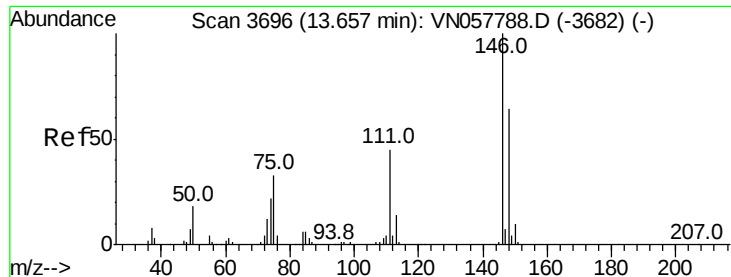
Tot Ion: 91 Resp: 340587
Ion Ratio Lower Upper
91 100
92 50.0 0.0 100.0
134 23.3 0.0 46.6



#86
Hexachloroethane
Concen: 16.499 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057788.D
Acq: 9 Sep 2019 9:35

Tgt Ion: 117 Resp: 50540
Ion Ratio Lower Upper
117 100
201 73.4 36.7 110.1

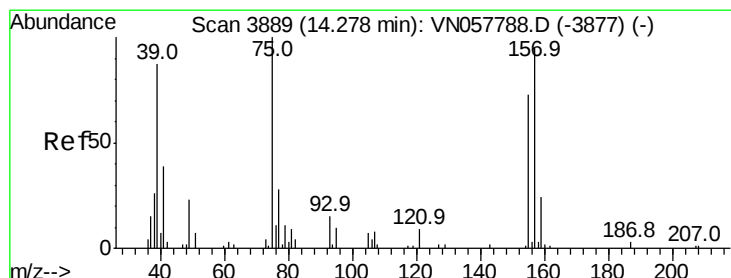
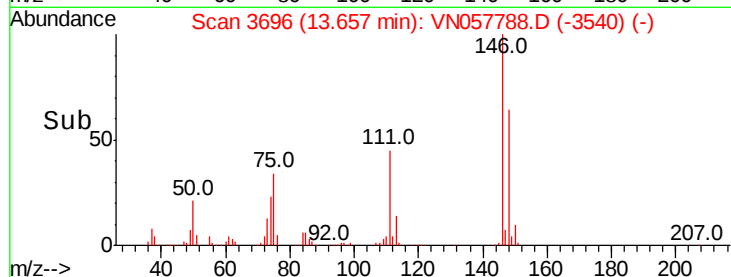
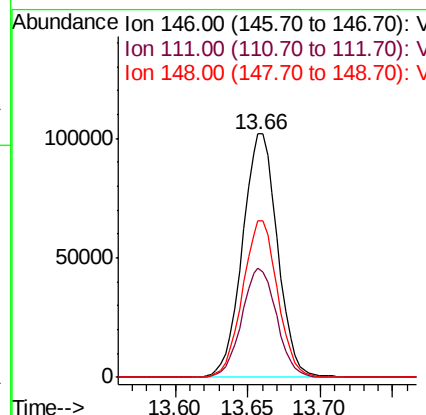
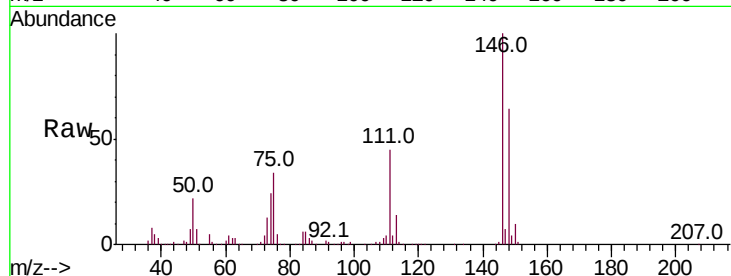




#87
 1,2-Dichlorobenzene
 Concen: 18.169 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057788.D
 Acq: 9 Sep 2019 9:35

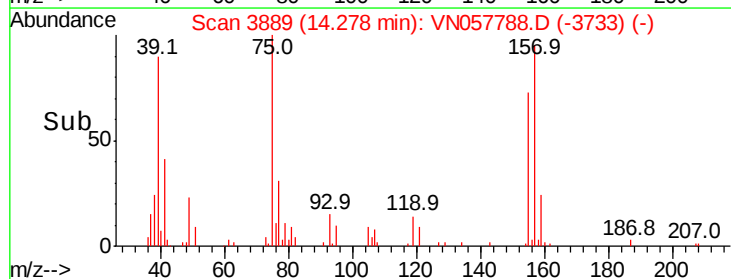
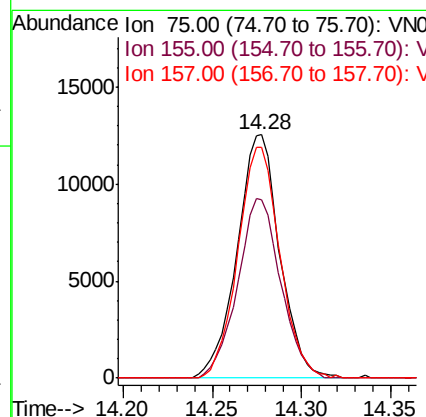
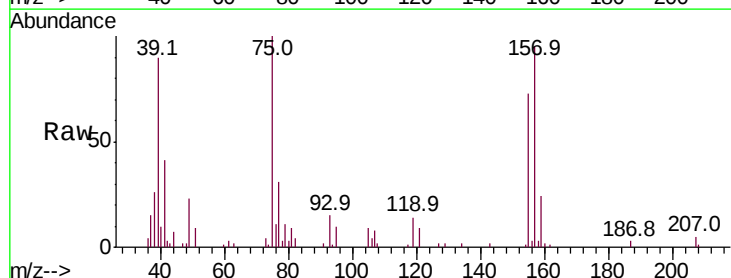
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

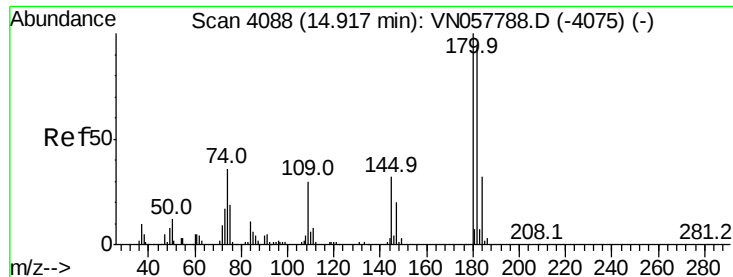
Tot Ion:146 Resp: 170997
 Ion Ratio Lower Upper
 146 100
 111 44.4 22.2 66.6
 148 64.2 32.1 96.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.481 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057788.D
 Acq: 9 Sep 2019 9:35

Tgt Ion: 75 Resp: 20958
 Ion Ratio Lower Upper
 75 100
 155 74.3 59.4 89.2
 157 93.3 74.6 112.0

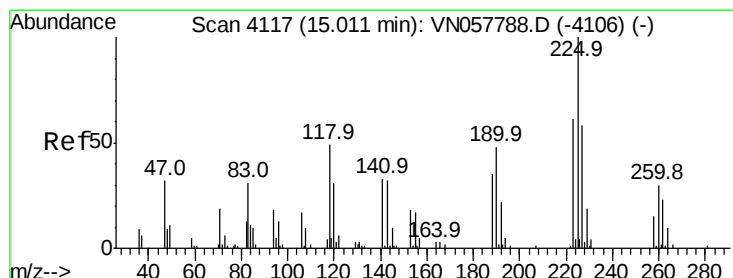
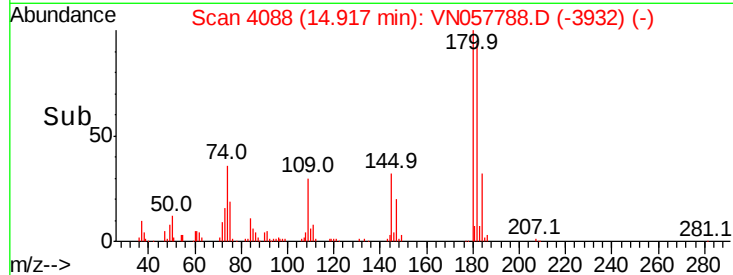
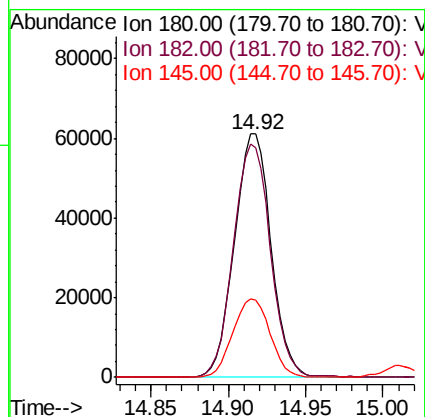
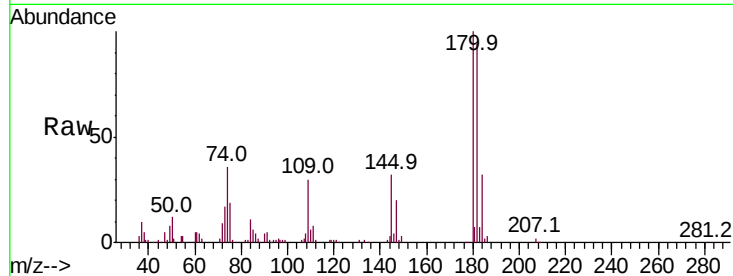




#89
 1,2,4-Trichlorobenzene
 Concen: 17.544 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057788.D
 Acq: 9 Sep 2019 9:35

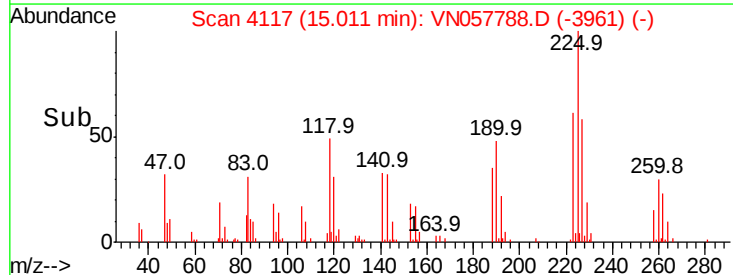
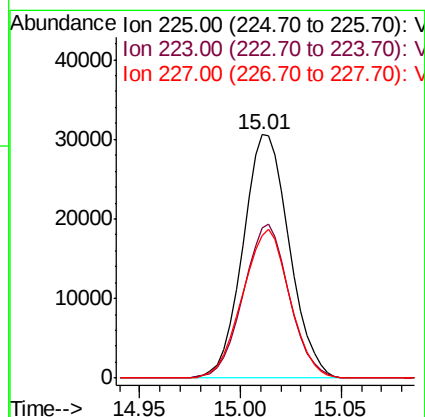
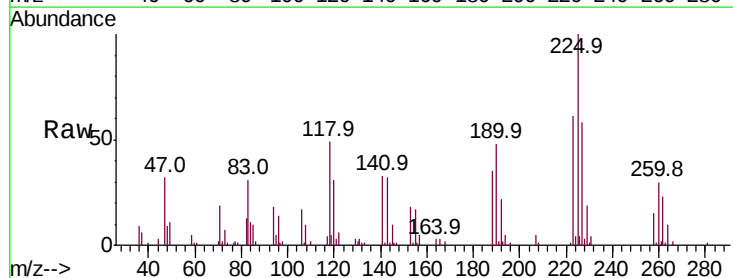
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

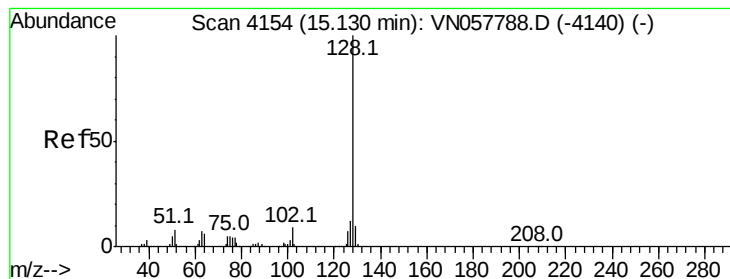
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.0	115.4
145	32.6	26.1	39.1



#90
 Hexachlorobutadiene
 Concen: 18.654 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057788.D
 Acq: 9 Sep 2019 9:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	0.0	125.0
227	61.9	0.0	123.8





#91

Naphthalene

Concen: 18.278 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

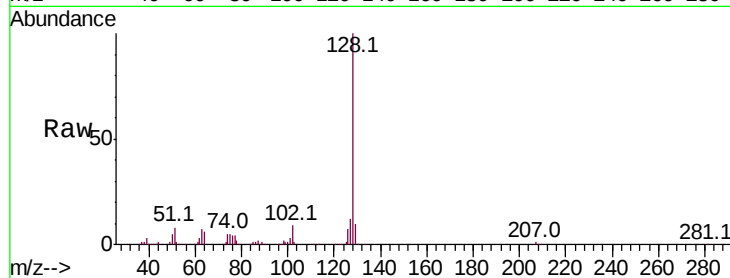
Tot Ion:128 Resp: 289120

Ion Ratio Lower Upper

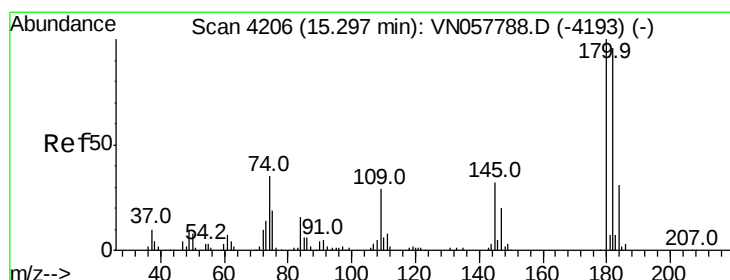
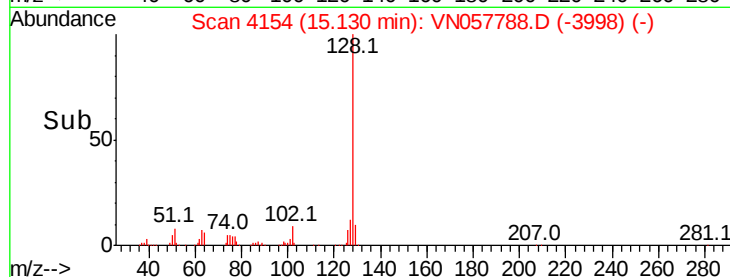
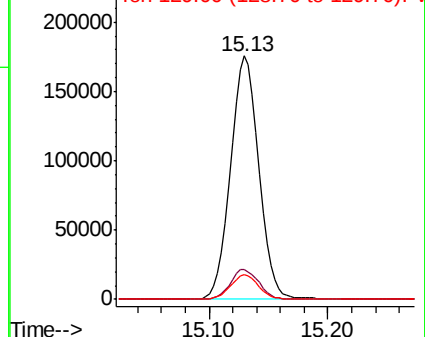
128 100

127 12.4 9.9 14.9

129 10.1 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: 17.978 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057788.D

Acq: 9 Sep 2019 9:35

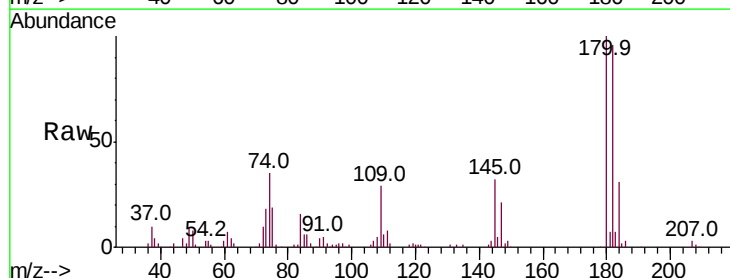
Tgt Ion:180 Resp: 98568

Ion Ratio Lower Upper

180 100

182 94.9 0.0 189.8

145 32.5 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

