

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090919\
 Data File : VN057789.D
 Acq On : 9 Sep 2019 9:56
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Sep 09 11:52:16 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	71376	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	424752	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	384844	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	186746	29.58	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.60%
60) 4-Bromofluorobenzene	12.40	95	199916	30.36	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.20%
63) Toluene-d8	10.08	98	551637	29.86	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	213893	49.599	ug/l 98
3) Chloromethane	2.03	50	270634	50.329	ug/l 98
4) Vinyl Chloride	2.16	62	278839	50.683	ug/l 99
5) Bromomethane	2.54	94	165555	47.995	ug/l 93
6) Chloroethane	2.68	64	171518	50.164	ug/l 100
7) Trichlorofluoromethane	2.99	101	296525	46.652	ug/l 99
8) Diethyl Ether	3.39	74	130864	51.036	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	196735	49.568	ug/l 99
10) 1,1-Dichloroethene	3.71	96	186721	49.474	ug/l 94
11) Methyl Iodide	3.93	142	251449	49.797	ug/l 99
12) Methyl Acetate	4.30	43	262358	50.586	ug/l 97
13) Acrolein	3.58	56	64197	228.443	ug/l 99
14) Acrylonitrile	4.96	53	548945	259.988	ug/l # 92
15) Acetone	3.80	58	154471	257.696	ug/l 99
16) Carbon Disulfide	4.03	76	432804	49.247	ug/l 100
17) Allyl chloride	4.30	41	348235	50.354	ug/l 94
18) Methylene Chloride	4.53	84	233896	49.179	ug/l 97
19) trans-1,2-Dichloroethene	5.01	96	204980	48.730	ug/l 97
20) Diisopropyl ether	5.93	45	794987	49.171	ug/l 96
21) 1,1-Dichloroethane	5.82	63	445966	50.025	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	256700	49.807	ug/l 100
23) tert-Butyl Alcohol	4.76	59	178730	259.295	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	718644	49.685	ug/l # 100
25) Chloroform	7.36	83	446043	49.145	ug/l 100
26) Cyclohexane	7.64	56	372954	49.791	ug/l # 99
29) 1,1-Dichloropropene	7.78	75	333382	49.893	ug/l 99
30) 2-Butanone	6.82	43	781544	259.404	ug/l 100
31) 2,2-Dichloropropane	6.81	77	351189	49.781	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	368288	49.022	ug/l 98
33) Carbon Tetrachloride	7.76	117	304177	49.632	ug/l 98
34) Benzene	8.03	78	988129	49.908	ug/l # 90
35) Methacrylonitrile	7.16	41	160530	58.482	ug/l 94
36) 1,2-Dichloroethane	8.11	62	383347	49.895	ug/l 99
37) Trichloroethene	8.83	130	236872	49.258	ug/l 100
38) Methylcyclohexane	9.07	83	378657	49.767	ug/l 98
39) 1,2-Dichloropropane	9.11	63	273178	49.131	ug/l 99
40) Dibromomethane	9.20	93	169197	50.032	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	342066	50.171	ug/l	94
42) Vinyl Acetate	5.87	43	3305029	272.788	ug/l	99
43) Ethyl Acetate	7.19	43	106106	17.073	ug/l	96
44) Isopropyl Acetate	8.15	43	541766	50.344	ug/l #	92
45) 1,4-Dioxane	9.19	88	87017	1033.241	ug/l	98
46) Methyl methacrylate	9.19	41	264126	50.450	ug/l	99
47) n-amyl Acetate	12.07	43	521459	52.994	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	370371	51.026	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	410120	50.360	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	241873	49.308	ug/l	97
51) Ethyl methacrylate	10.43	69	390819	51.383	ug/l	99
52) 1,3-Dichloropropane	10.71	76	430065	50.133	ug/l	99
53) Dibromochloromethane	10.90	129	244010	50.369	ug/l	100
54) 1,2-Dibromoethane	11.00	107	244972	50.193	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	938739	259.739	ug/l	100
56) Bromoform	12.13	173	153297	51.080	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	1667430	279.391	ug/l	100
59) 2-Hexanone	10.75	43	1223216	273.125	ug/l	100
61) Tetrachloroethene	10.63	164	191815	49.022	ug/l	98
62) Toluene	10.15	91	1089847	51.144	ug/l	99
64) Chlorobenzene	11.43	112	662557	50.122	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	231286	50.392	ug/l	99
66) Ethyl Benzene	11.51	91	1243342	53.478	ug/l	100
67) m/p-Xylenes	11.62	106	908746	113.166	ug/l	100
68) o-Xylene	11.95	106	440939	50.706	ug/l	99
69) Styrene	11.97	104	765210	51.610	ug/l	100
70) Isopropylbenzene	12.25	105	1227974	53.413	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	375767	52.299	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	456545	72.611	ug/l	71
73) Bromobenzene	12.53	156	275760	50.102	ug/l	99
74) n-propylbenzene	12.59	91	1436416	54.687	ug/l	100
75) 2-Chlorotoluene	12.68	91	840835	51.395	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	1039186	53.083	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	101940	53.882	ug/l	89
78) 4-Chlorotoluene	12.78	91	877802	52.601	ug/l	99
79) tert-butylbenzene	13.00	119	895871	52.455	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	1048016	53.728	ug/l	99
81) sec-Butylbenzene	13.17	105	1225865	54.098	ug/l	99
82) p-Isopropyltoluene	13.29	119	1108801	54.639	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	525865	51.401	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	517452	51.374	ug/l	98
85) n-Butylbenzene	13.62	91	1019186	53.889	ug/l	98
86) Hexachloroethane	13.88	117	164873	51.007	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	509406	51.295	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	68461	54.116	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	317166	52.282	ug/l	99
90) Hexachlorobutadiene	15.01	225	142481	51.141	ug/l	99
91) Naphthalene	15.13	128	912963	54.696	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	298864	51.658	ug/l	100

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QLast Update : Mon Sep 09 11:48:16 2019
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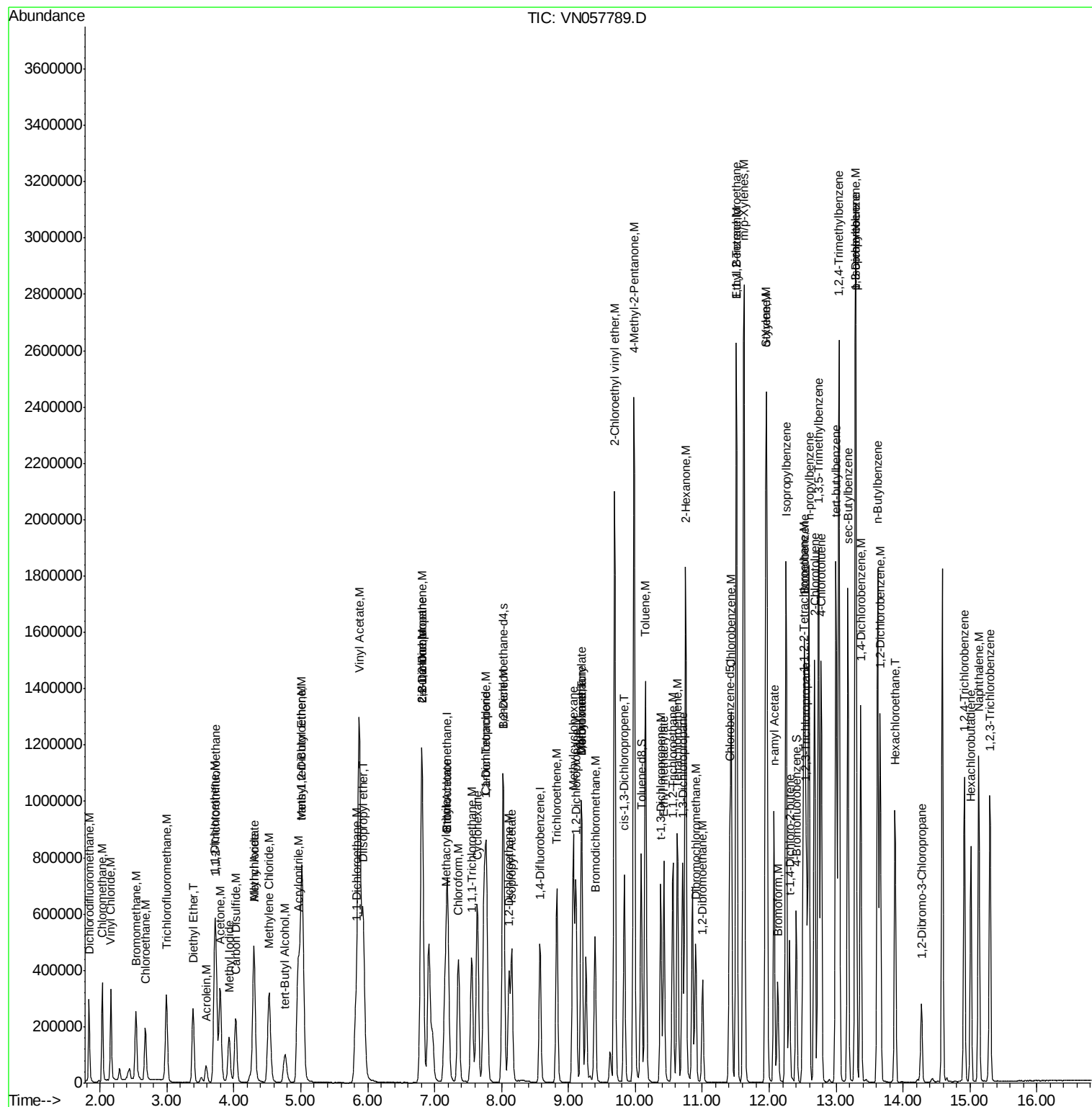
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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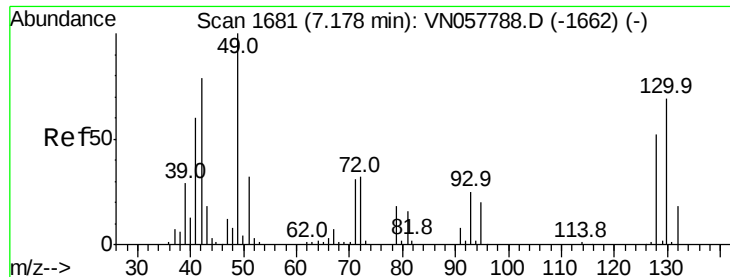
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :
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Quant Time: Sep 09 11:52:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N090919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

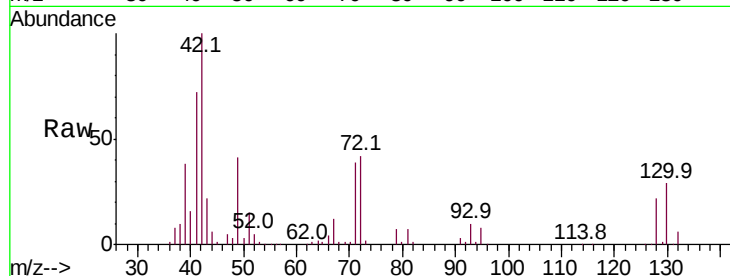
Tot Ion:128 Resp: 71376

Ion Ratio Lower Upper

128 100

49 190.1 0.0 486.5

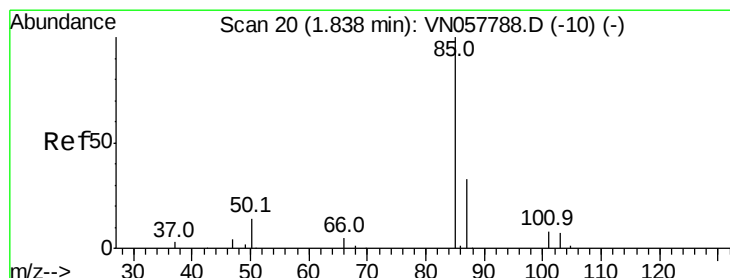
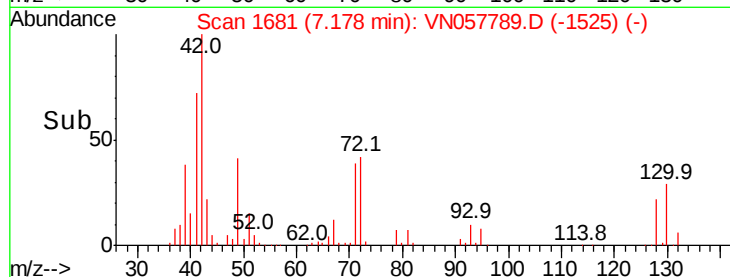
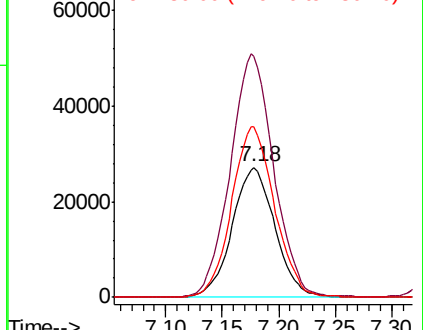
130 131.4 0.0 324.5



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: 49.599 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN057789.D

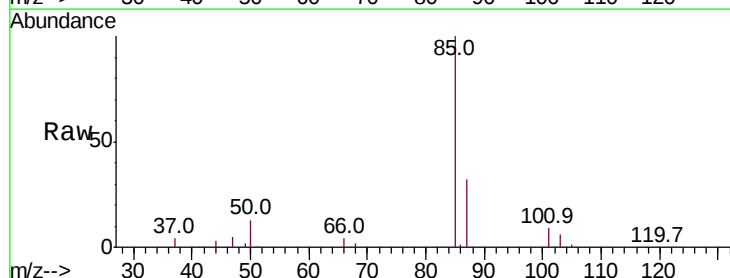
Acq: 9 Sep 2019 9:56

Tgt Ion: 85 Resp: 213893

Ion Ratio Lower Upper

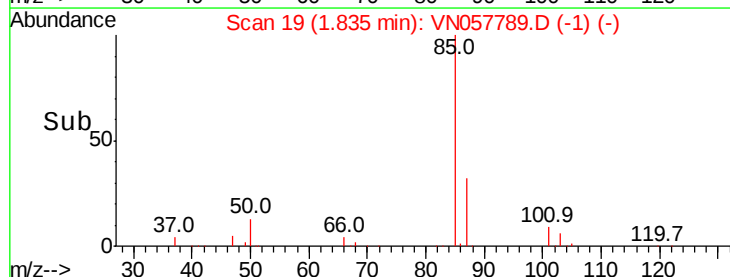
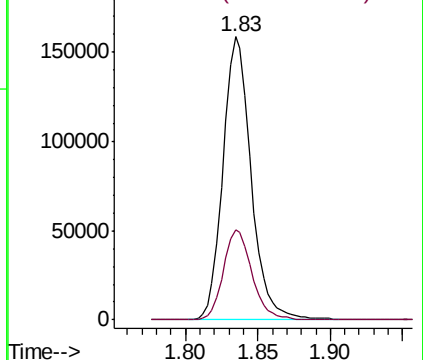
85 100

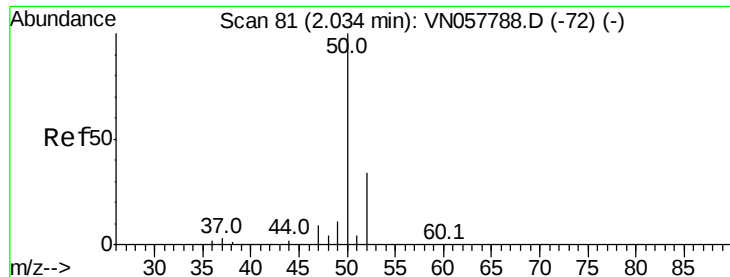
87 32.0 16.4 49.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 50.329 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

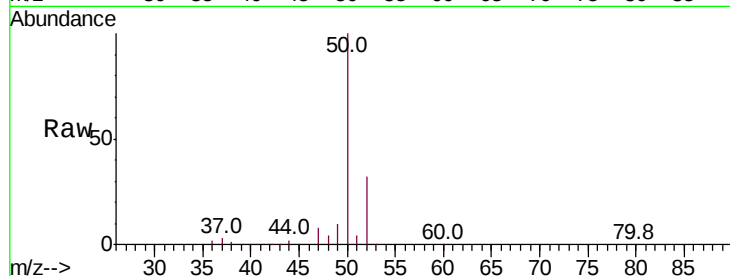
VSTDIC050

Tot Ion: 50 Resp: 270634

Ion Ratio Lower Upper

50 100

52 32.4 26.9 40.3



Abundance Ion 50.00 (49.70 to 50.70): VN057789.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VN057789.D (-1) (-)

2.03

200000

150000

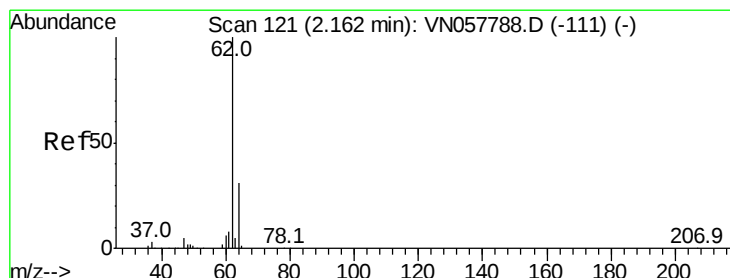
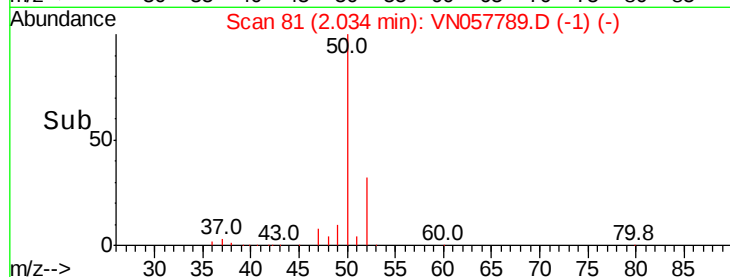
100000

50000

0

2.00 2.05 2.10

Time-->



#4

Vinyl Chloride

Concen: 50.683 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057789.D

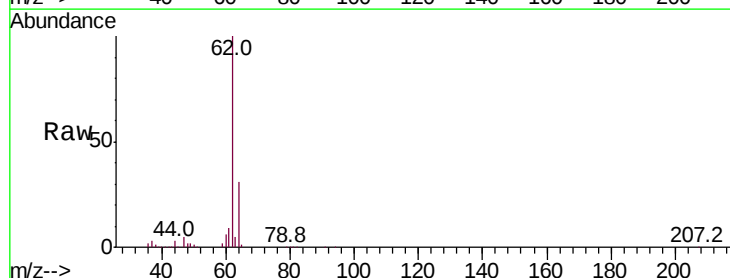
Acq: 9 Sep 2019 9:56

Tgt Ion: 62 Resp: 278839

Ion Ratio Lower Upper

62 100

64 30.6 25.0 37.6



Abundance Ion 62.00 (61.70 to 62.70): VN057789.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VN057789.D (-1) (-)

2.16

200000

150000

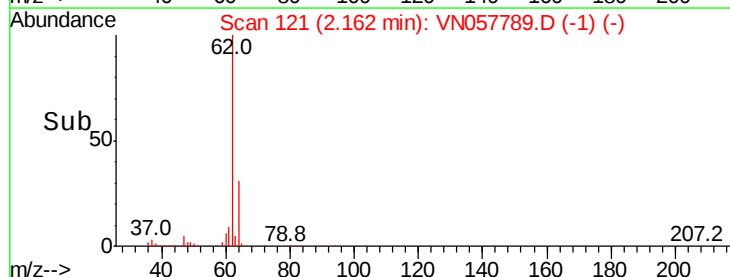
100000

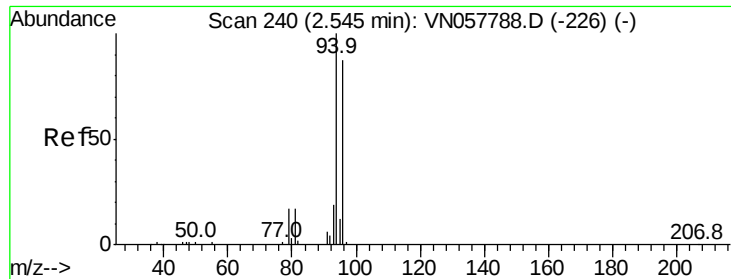
50000

0

2.10 2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 47.995 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

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ClientSampleId :

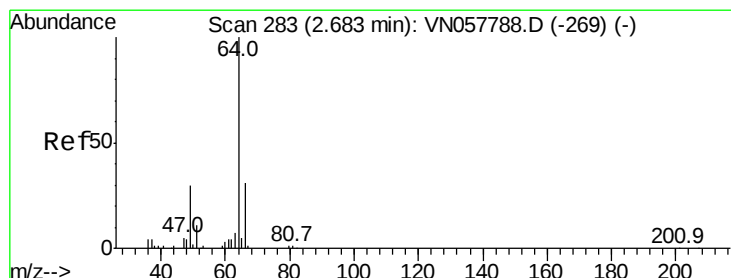
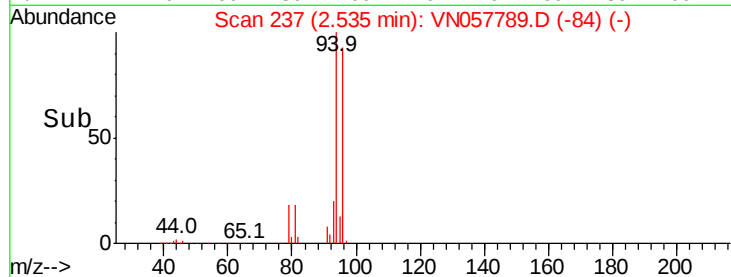
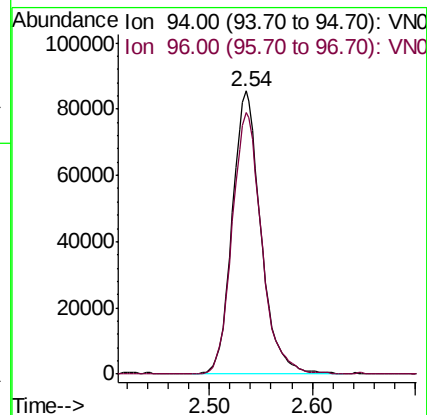
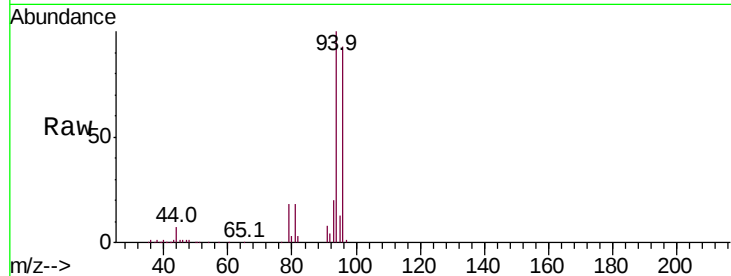
VSTDIC050

Tot Ion: 94 Resp: 16555

Ion Ratio Lower Upper

94 100

96 92.5 69.2 103.8



#6

Chloroethane

Concen: 50.164 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN057789.D

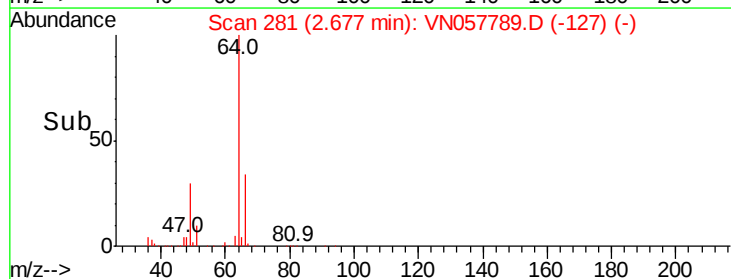
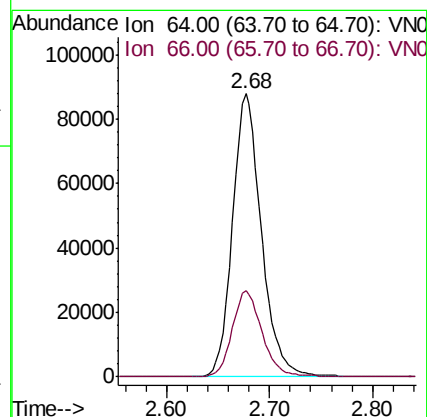
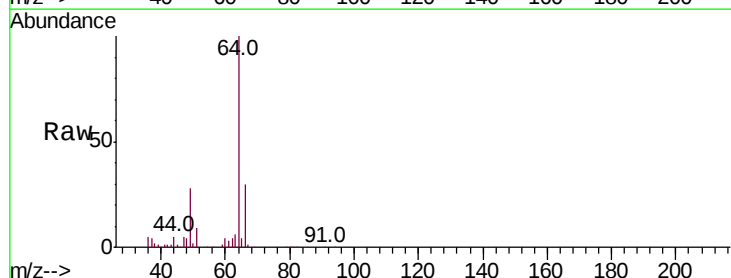
Acq: 9 Sep 2019 9:56

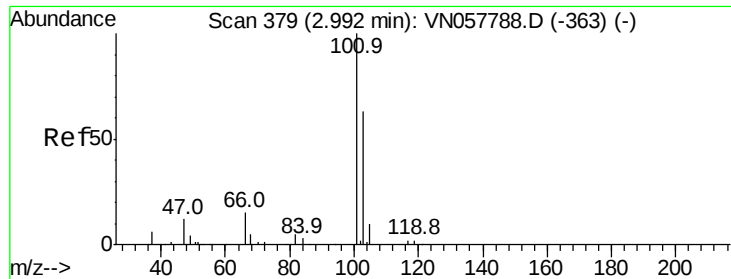
Tgt Ion: 64 Resp: 171518

Ion Ratio Lower Upper

64 100

66 30.3 24.4 36.6





#7

Trichlorofluoromethane

Concen: 46.652 ug/l

RT: 2.99 min Scan# 379

Delta R.T. 0.00 min

Lab File: VN057789.D

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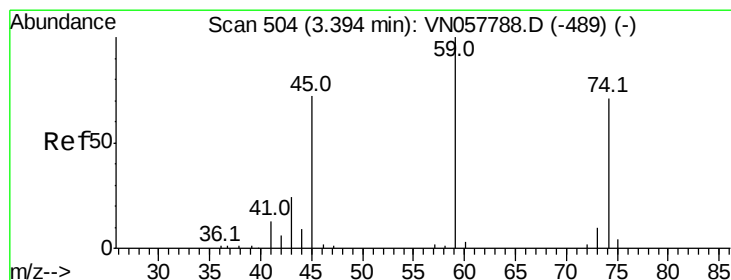
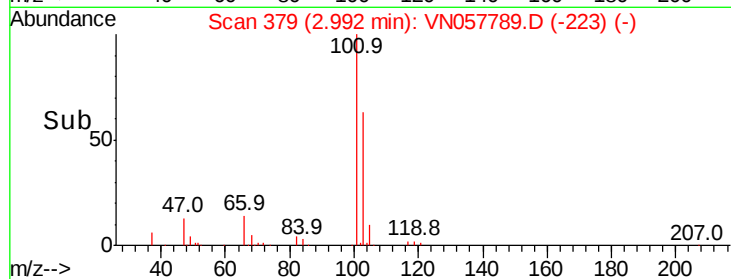
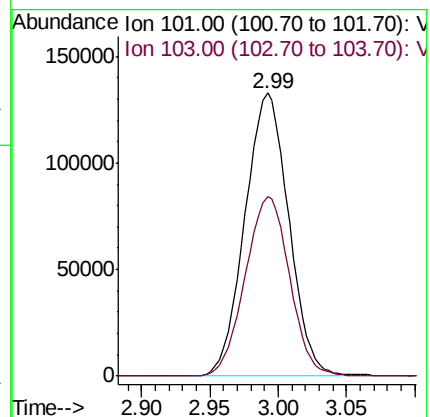
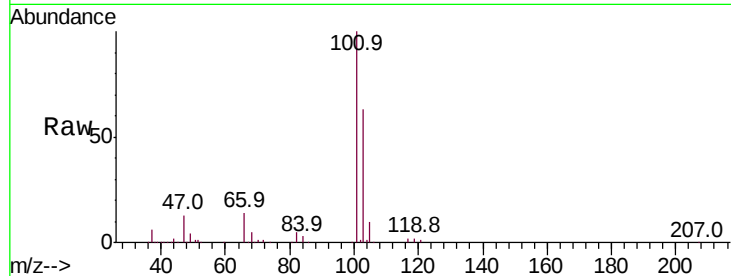
VSTDIC050

Tot Ion:101 Resp: 296525

Ion Ratio Lower Upper

101 100

103 63.3 50.2 75.2



#8

Diethyl Ether

Concen: 51.036 ug/l

RT: 3.39 min Scan# 503

Delta R.T. -0.00 min

Lab File: VN057789.D

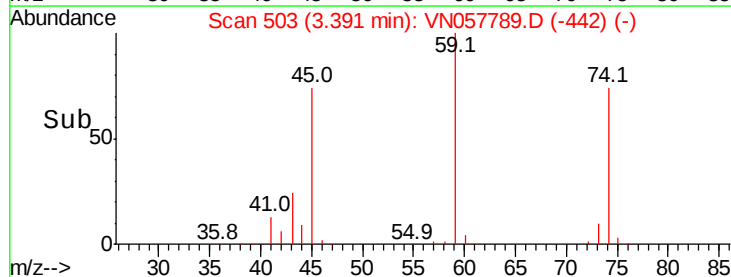
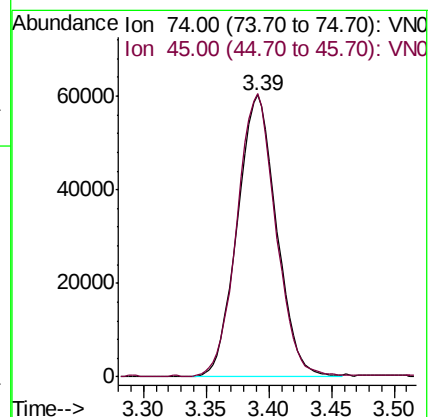
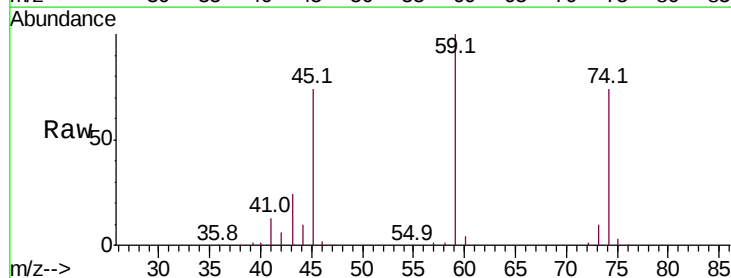
Acq: 9 Sep 2019 9:56

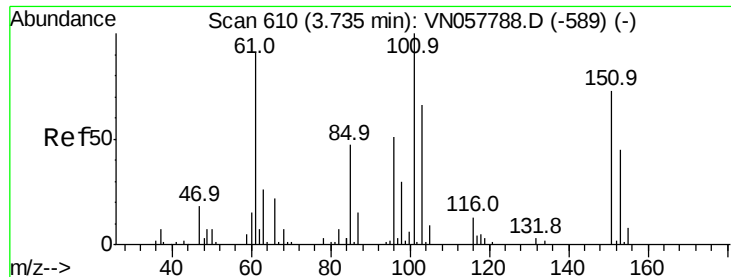
Tgt Ion: 74 Resp: 130864

Ion Ratio Lower Upper

74 100

45 99.1 20.3 182.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.568 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

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Acq: 9 Sep 2019 9:56

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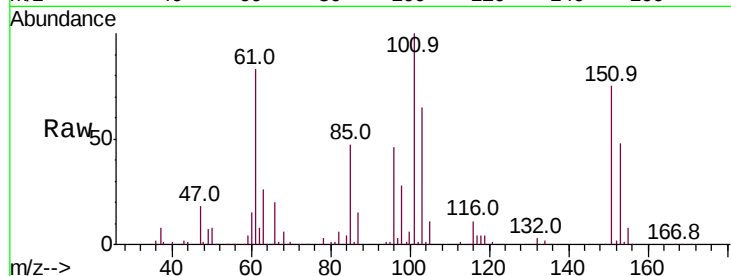
Tot Ion:101 Resp: 196735

Ion Ratio Lower Upper

101 100

85 46.9 0.0 94.0

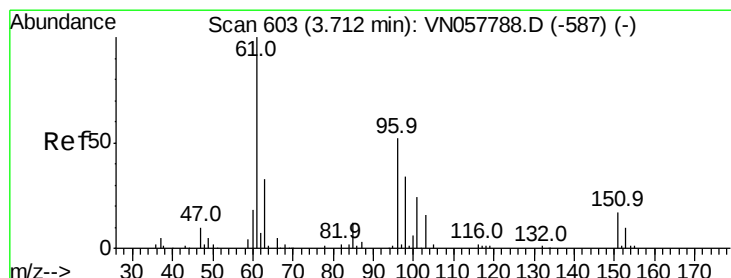
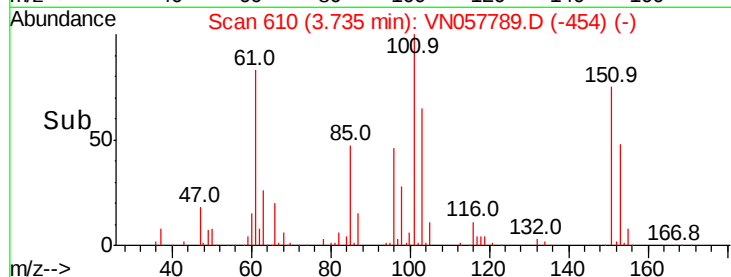
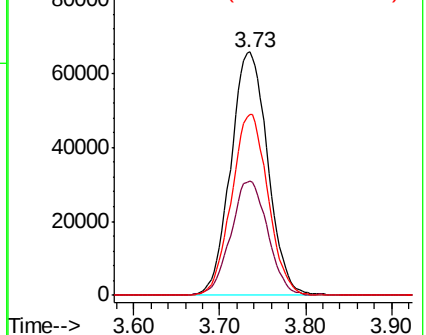
151 73.4 0.0 144.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 49.474 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

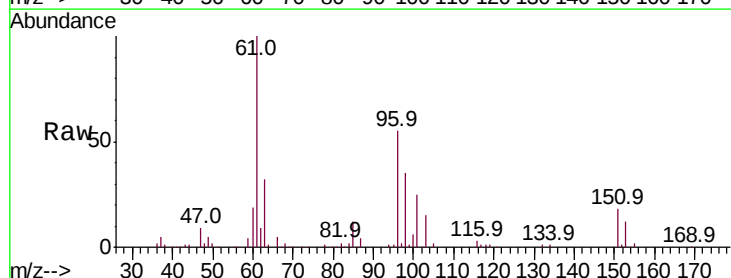
Tgt Ion: 96 Resp: 186721

Ion Ratio Lower Upper

96 100

61 180.7 153.4 230.0

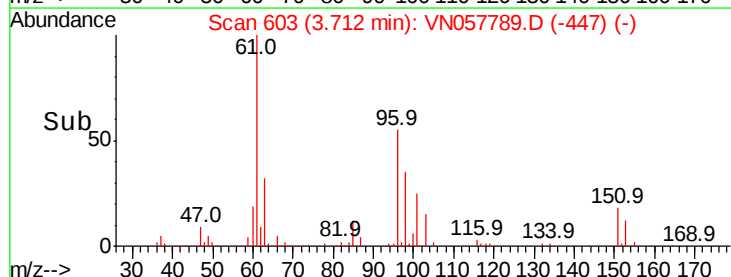
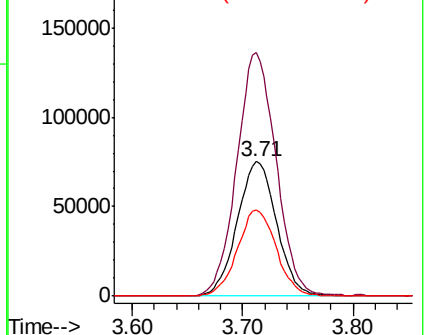
98 64.0 51.5 77.3

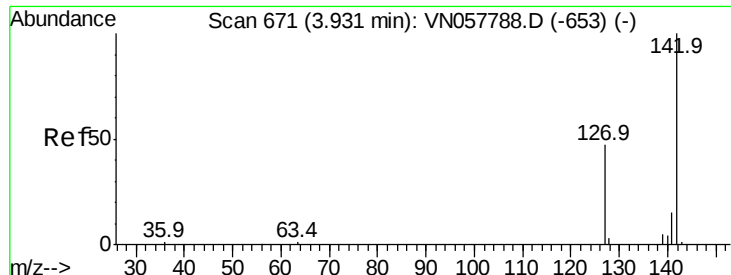


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

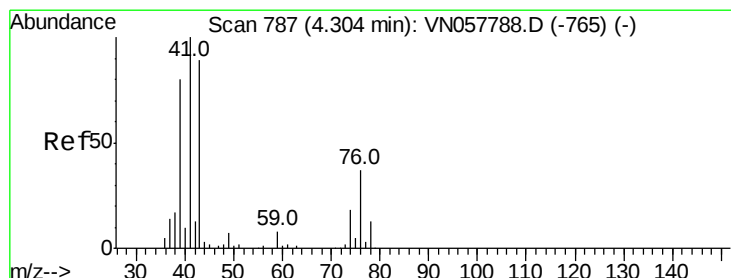
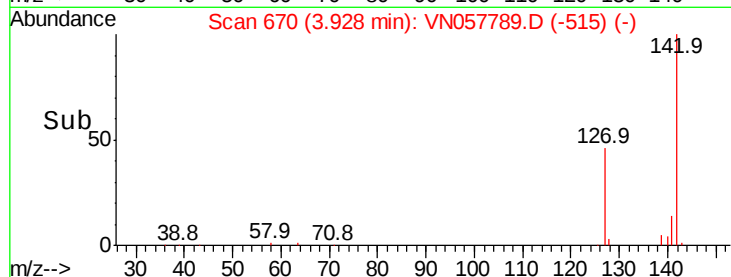
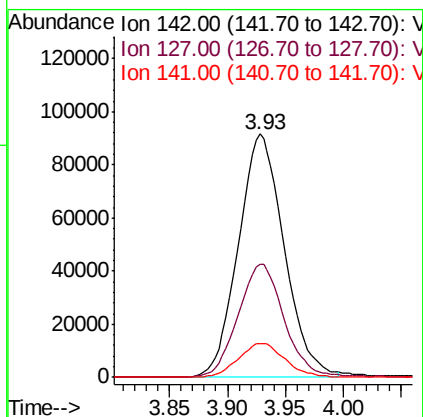
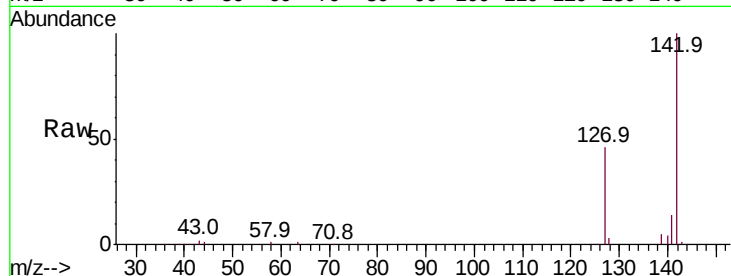




#11
Methvl Iodide
Concen: 49.797 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

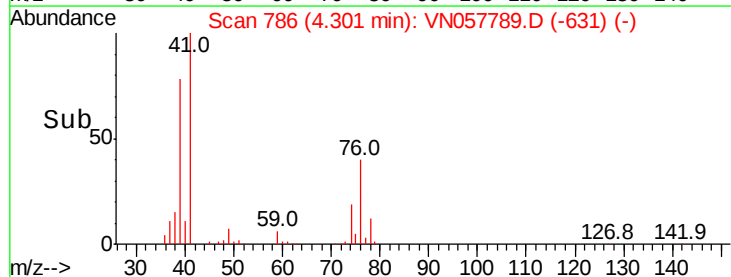
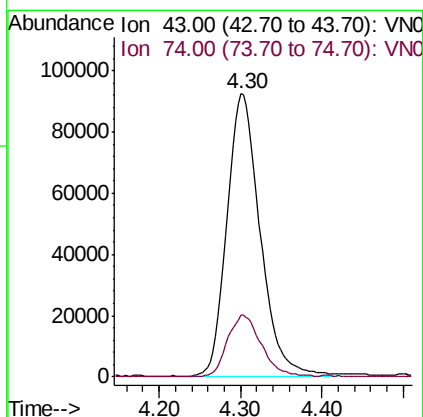
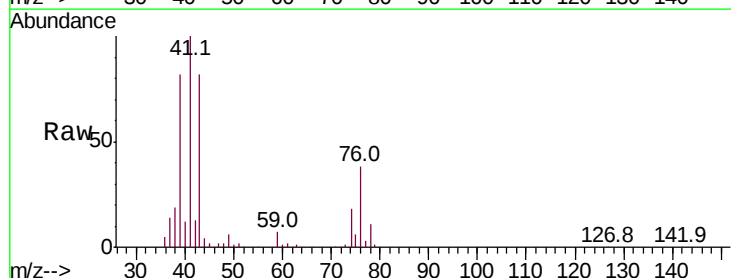
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

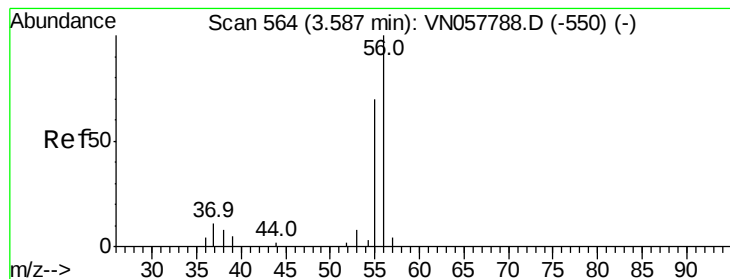
Tot Ion:142 Resp: 251449
Ion Ratio Lower Upper
142 100
127 46.3 23.3 69.8
141 14.1 7.5 22.6



#12
Methyl Acetate
Concen: 50.586 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion: 43 Resp: 262358
Ion Ratio Lower Upper
43 100
74 21.6 16.2 24.4





#13

Acrolein

Concen: 228.443 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

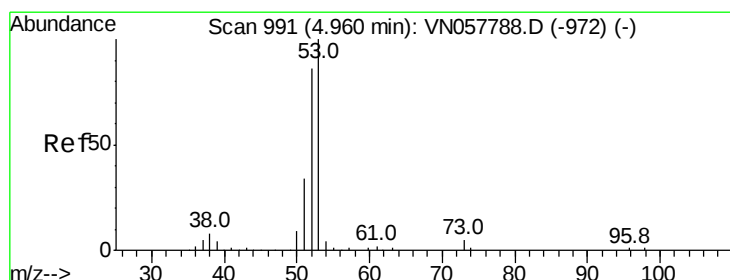
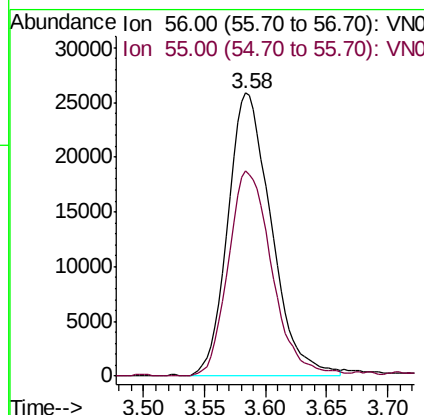
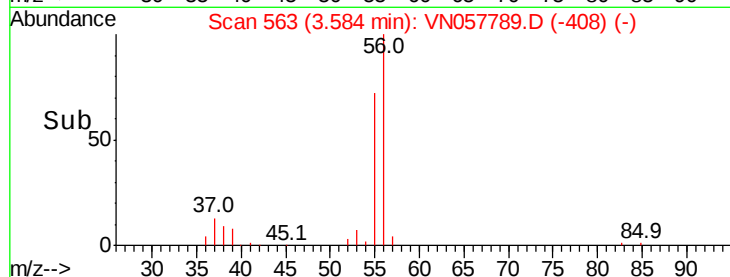
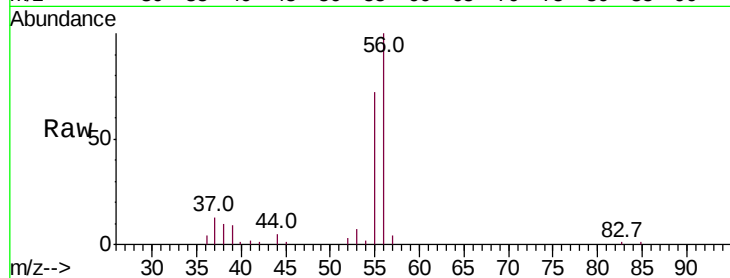
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 56 Resp: 64197

Ion Ratio Lower Upper

56 100

55 72.8 59.0 88.4



#14

Acrylonitrile

Concen: 259.988 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

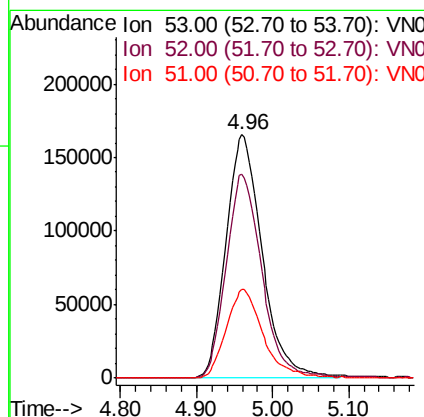
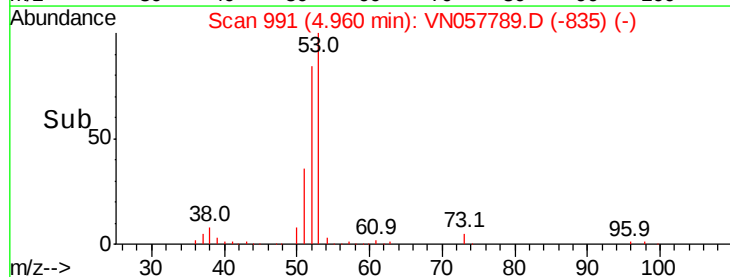
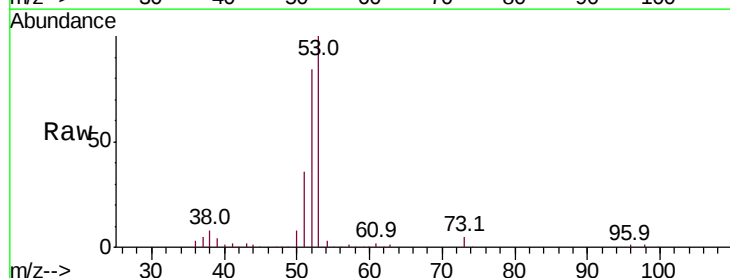
Tgt Ion: 53 Resp: 548945

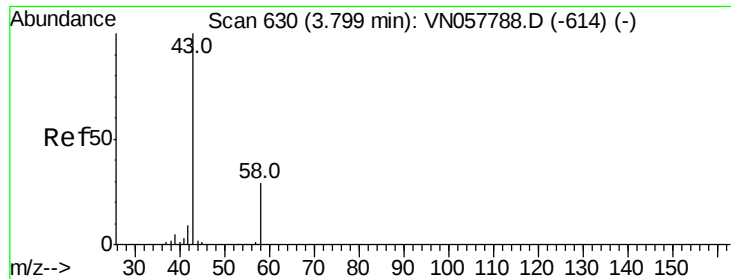
Ion Ratio Lower Upper

53 100

52 81.8 41.0 123.0

51 37.1 8.6 25.8#





#15

Acetone

Concen: 257.696 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

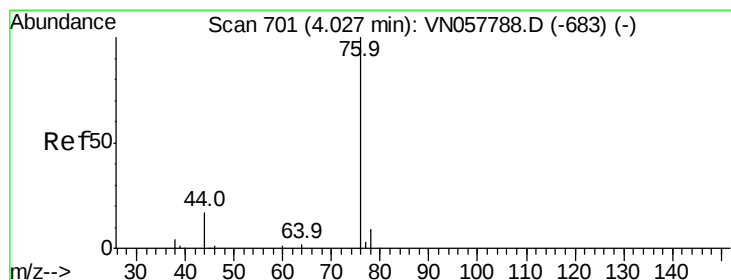
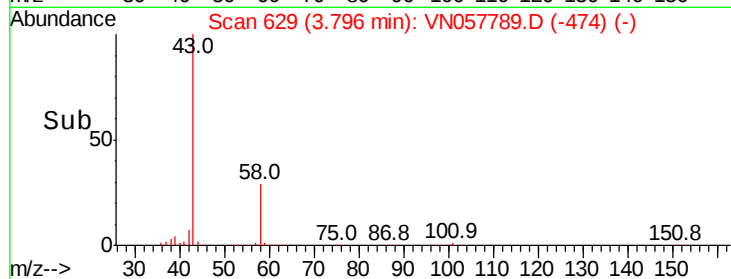
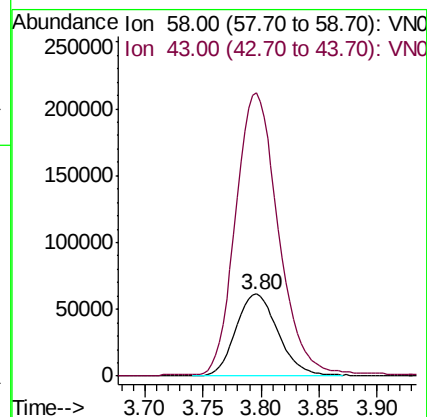
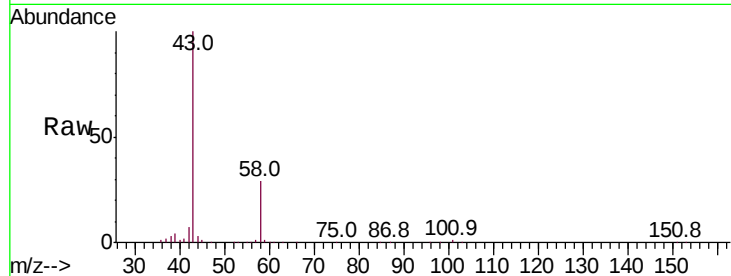
VSTDIC050

Tot Ion: 58 Resp: 154471

Ion Ratio Lower Upper

58 100

43 344.8 277.7 416.5



#16

Carbon Disulfide

Concen: 49.247 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN057789.D

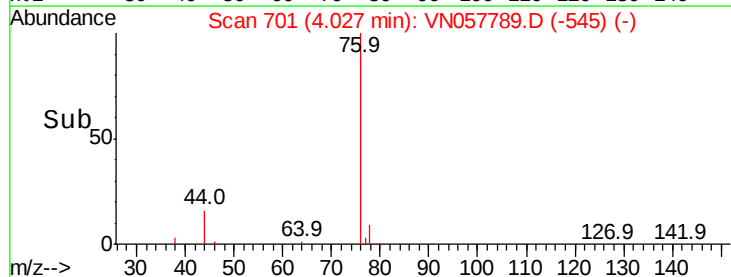
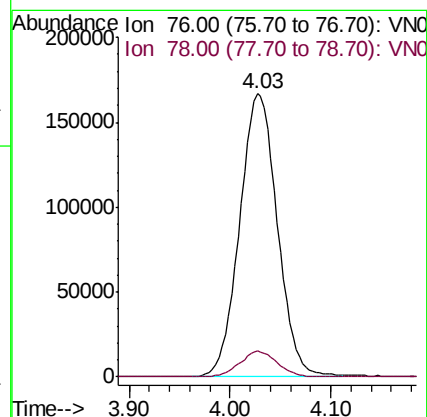
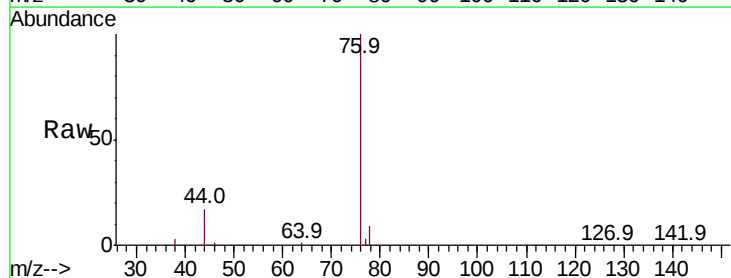
Acq: 9 Sep 2019 9:56

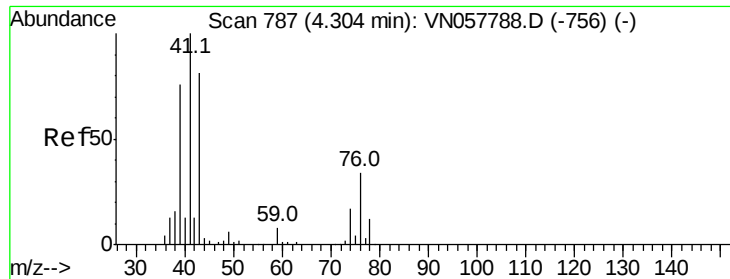
Tgt Ion: 76 Resp: 432804

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0





#17

Allvl chloride

Concen: 50.354 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.01 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

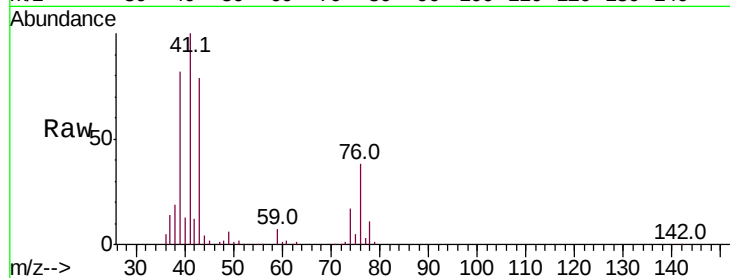
Tot Ion: 41 Resp: 348235

Ion Ratio Lower Upper

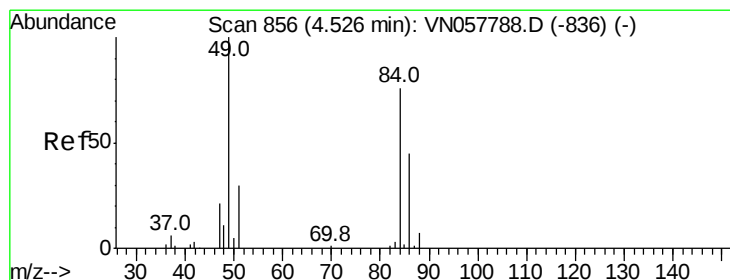
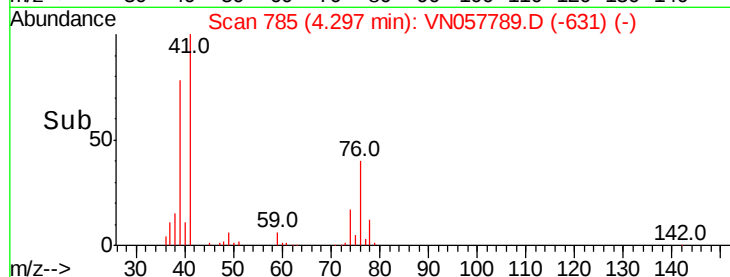
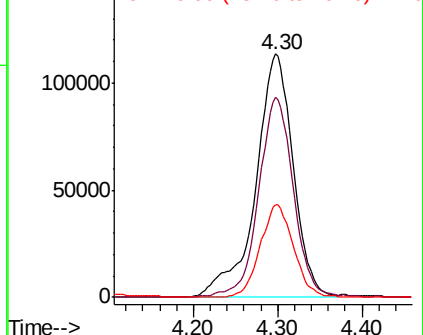
41 100

39 82.3 38.5 115.3

76 37.7 17.2 51.6



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



#18

Methylene Chloride

Concen: 49.179 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Tgt Ion: 84 Resp: 233896

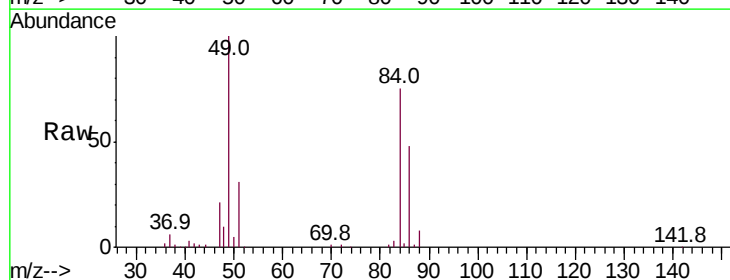
Ion Ratio Lower Upper

84 100

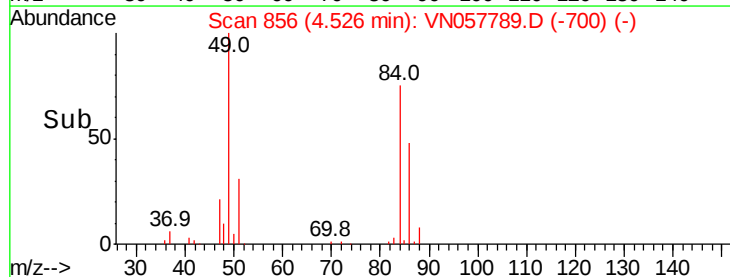
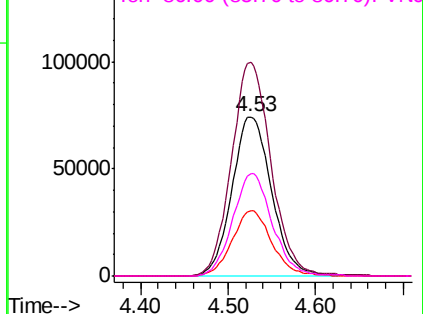
49 134.2 105.4 158.2

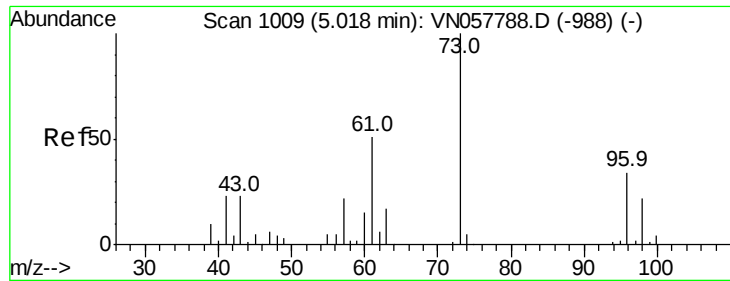
51 40.9 31.3 46.9

86 64.1 47.3 70.9



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

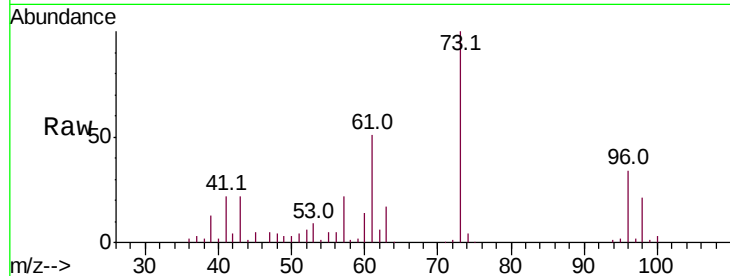




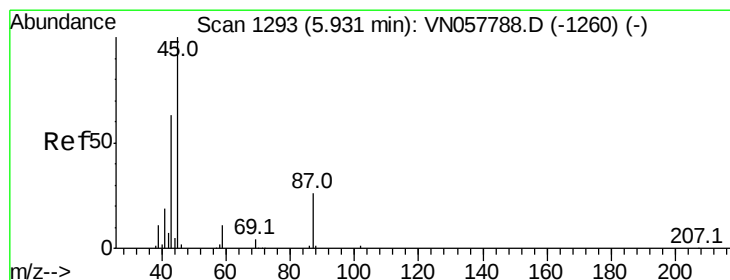
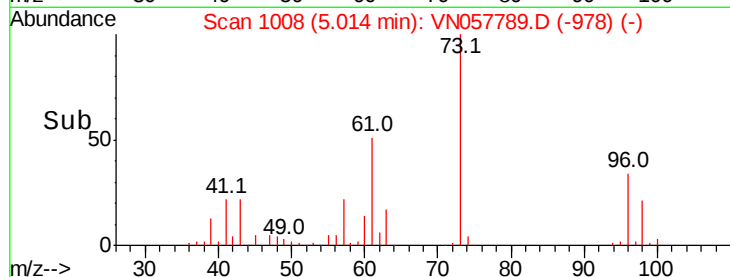
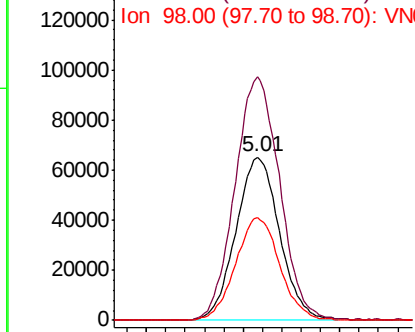
#19
trans-1,2-Dichloroethene
Concen: 48.730 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 96 Resp: 204980
Ion Ratio Lower Upper
96 100
61 148.4 121.0 181.6
98 62.8 52.7 79.1

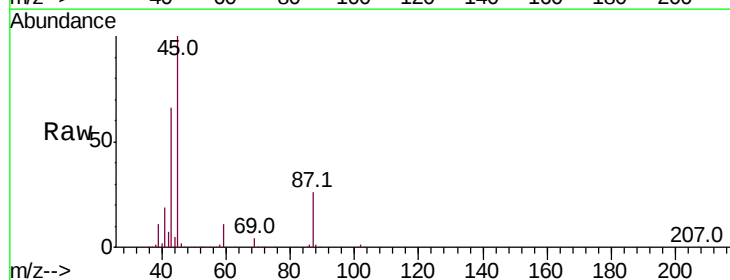


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

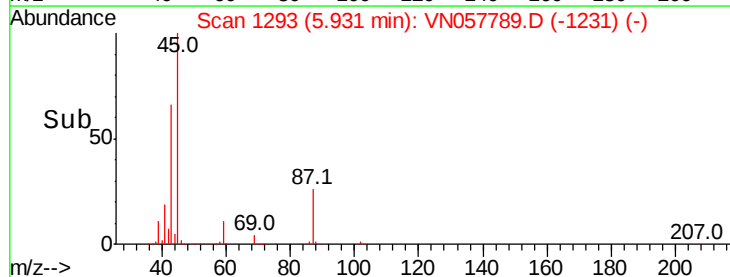
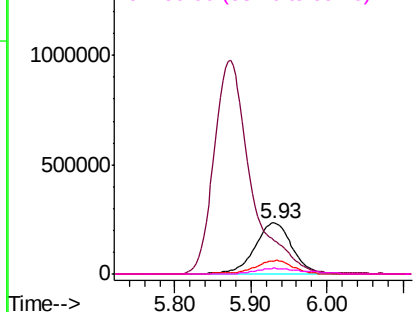


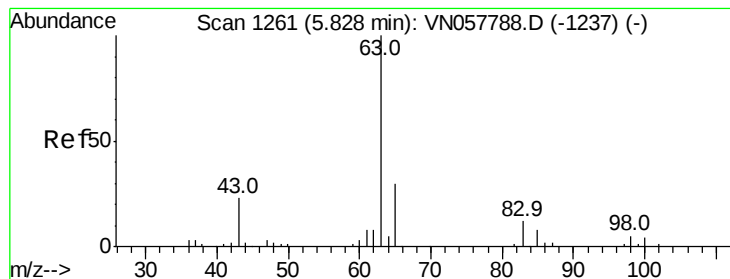
#20
Diisopropyl ether
Concen: 49.171 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion: 45 Resp: 794987
Ion Ratio Lower Upper
45 100
43 63.9 55.2 82.8
87 26.0 21.3 31.9
59 11.0 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: 50.025 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

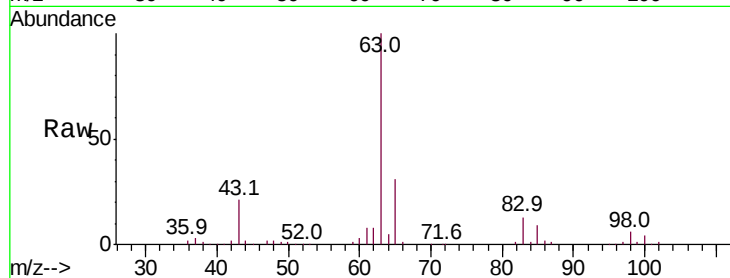
Tot Ion: 63 Resp: 445966

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.3

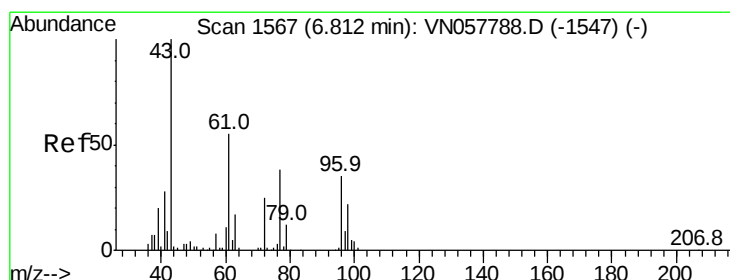
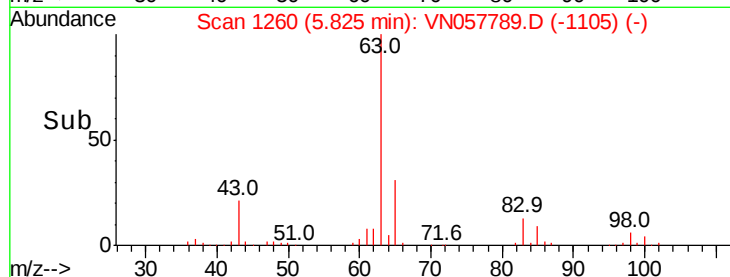
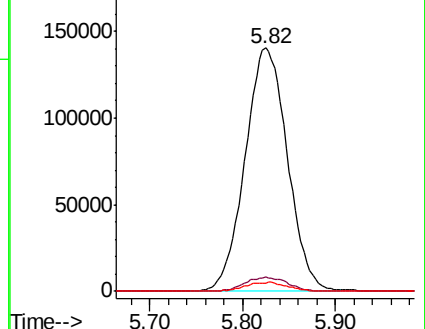
100 3.6 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



#22

cis-1,2-Dichloroethene

Concen: 49.807 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

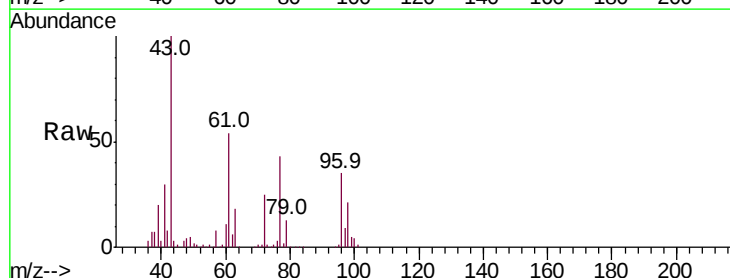
Tgt Ion: 96 Resp: 256700

Ion Ratio Lower Upper

96 100

61 159.0 127.4 191.0

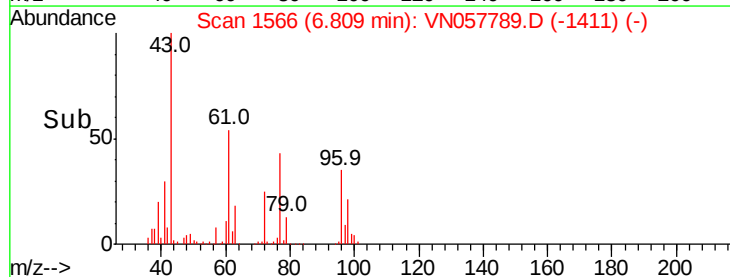
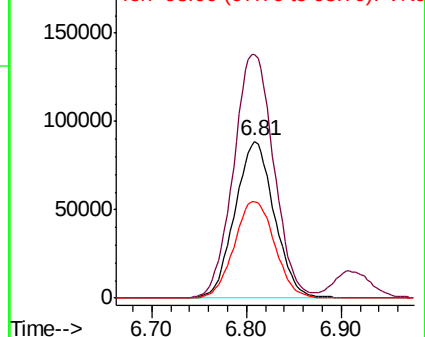
98 63.5 51.5 77.3

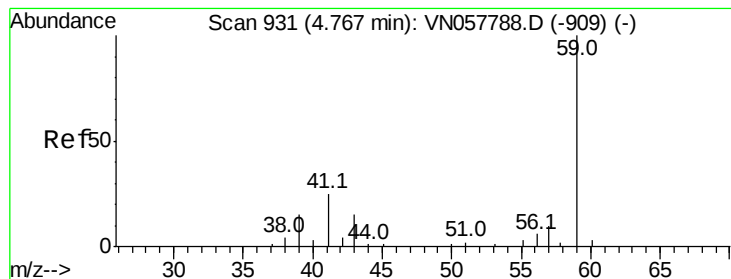


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 259.295 ug/l

RT: 4.76 min Scan# 930

Delta R.T. -0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

MSVOA_N

ClientSampled :

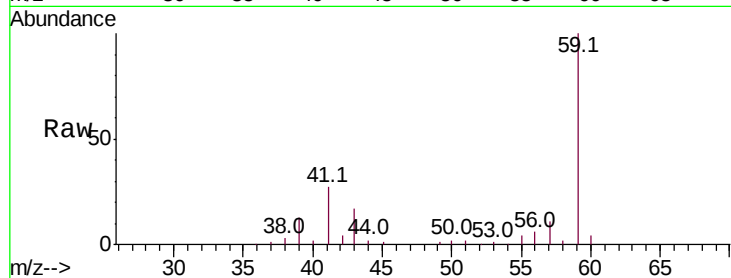
VSTDIC050

Tot Ion: 59 Resp: 178730

Ion Ratio Lower Upper

59 100

52 0.1 0.0 0.0#



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

Ion 52.00 (51.70 to 52.70): VN057788.D (-909) (-)

120000

100000

80000

60000

40000

20000

0

4.76

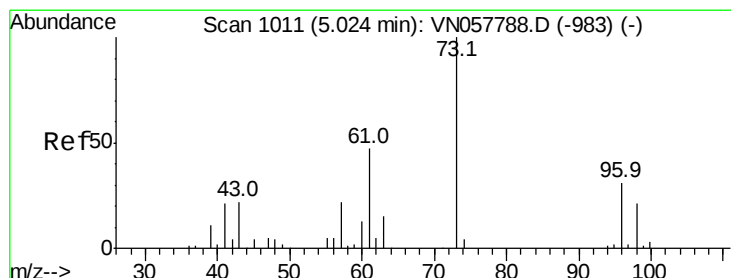
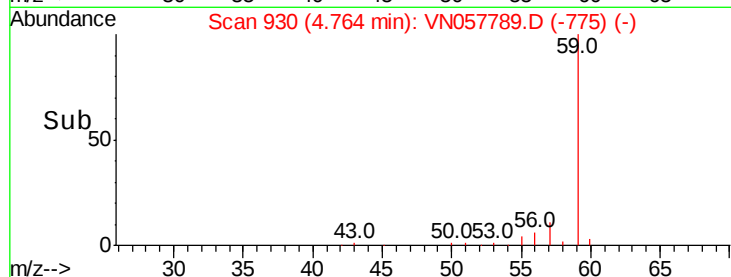
4.60

4.70

4.80

4.90

Time-->



#24

Methyl tert-Butyl Ether

Concen: 49.685 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: VN057789.D

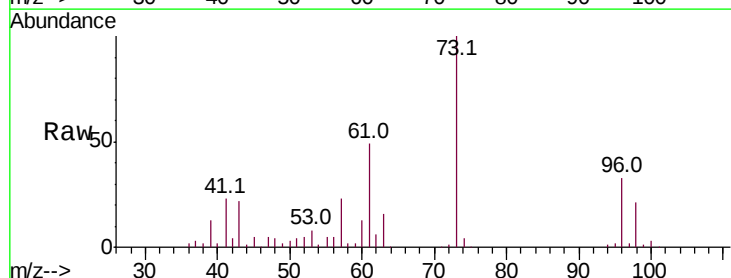
Acq: 9 Sep 2019 9:56

Tgt Ion: 73 Resp: 718644

Ion Ratio Lower Upper

73 100

43 22.6 0.0 0.0#



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

Ion 43.00 (42.70 to 43.70): VN057788.D (-983) (-)

200000

150000

100000

50000

0

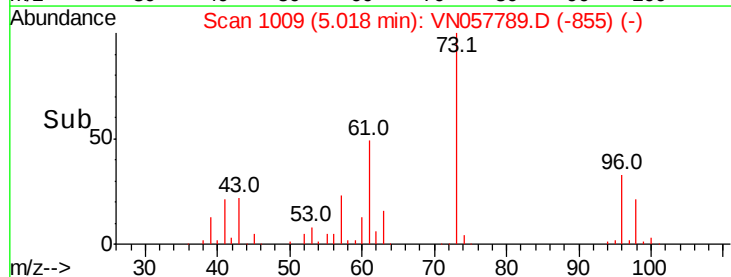
5.02

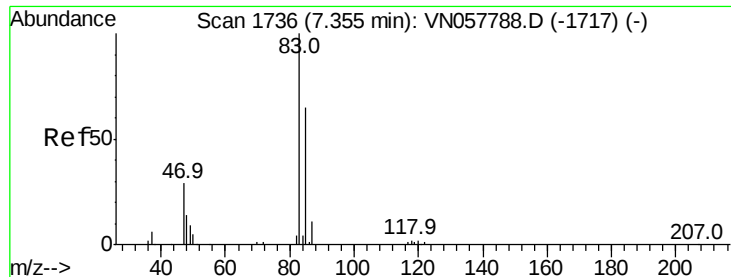
4.90

5.10

5.20

Time-->





#25

Chloroform

Concen: 49.145 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

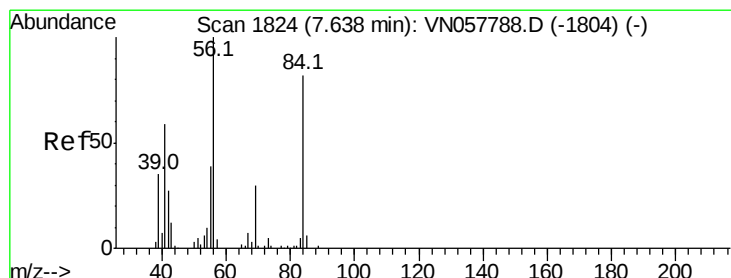
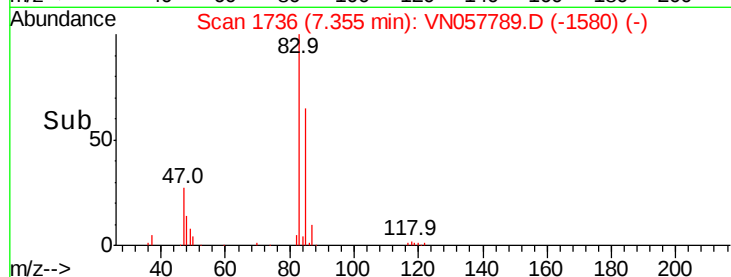
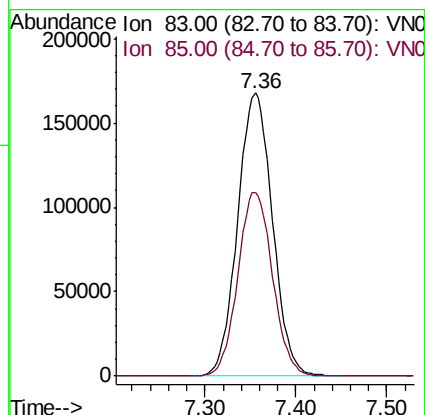
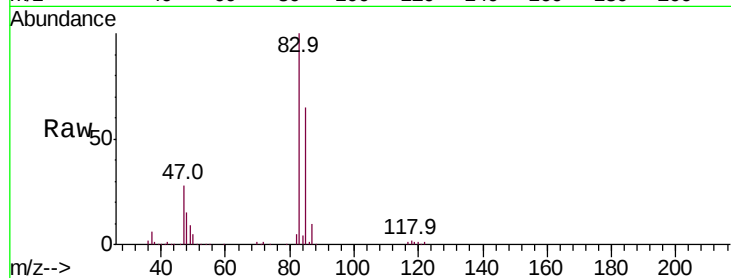
VSTDIC050

Tot Ion: 83 Resp: 446043

Ion Ratio Lower Upper

83 100

85 64.9 51.8 77.6



#26

Cyclohexane

Concen: 49.791 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

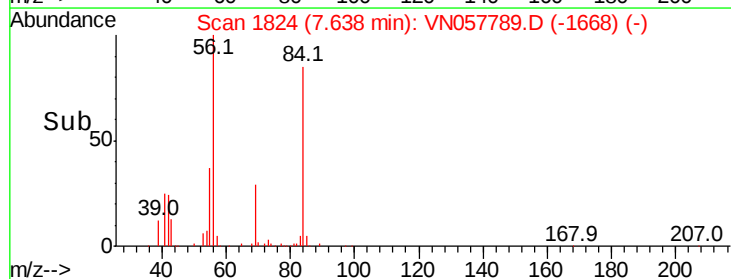
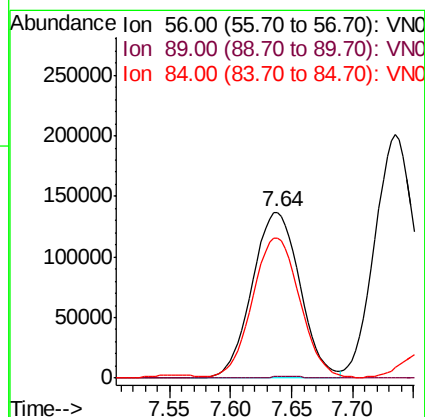
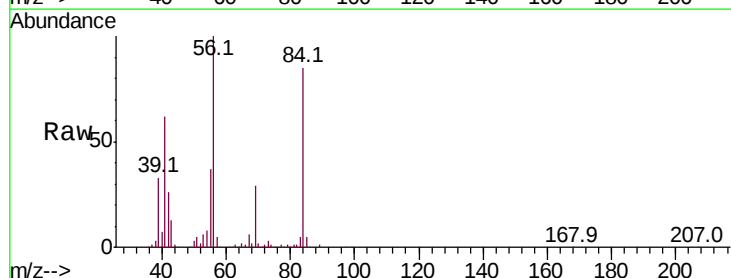
Tgt Ion: 56 Resp: 372954

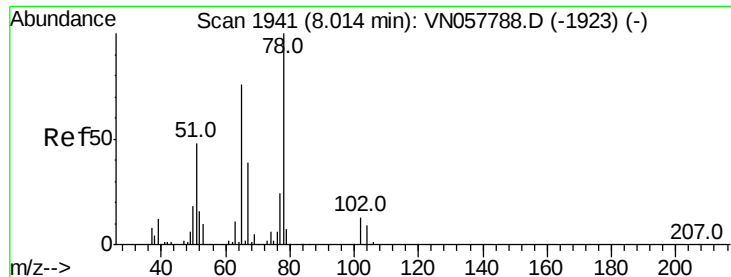
Ion Ratio Lower Upper

56 100

89 0.5 0.3 0.5#

84 84.1 66.6 100.0





#27

1,2-Dichloroethane-d4

Concen: 29.578 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

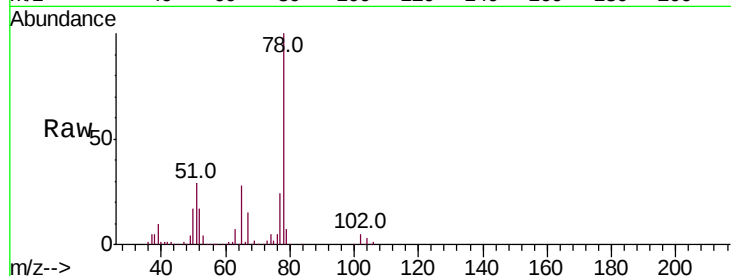
VSTDIC050

Tot Ion: 65 Resp: 186746

Ion Ratio Lower Upper

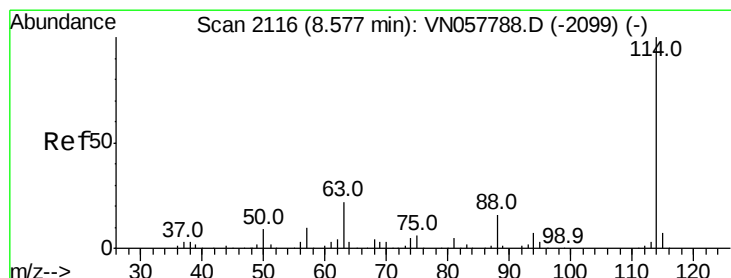
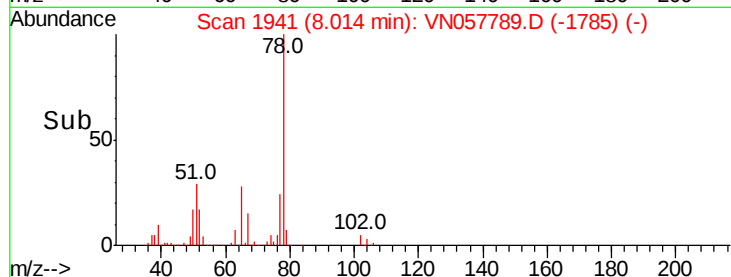
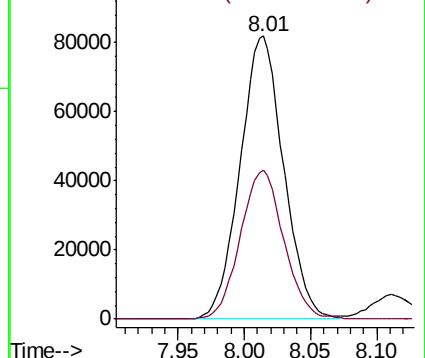
65 100

67 52.6 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

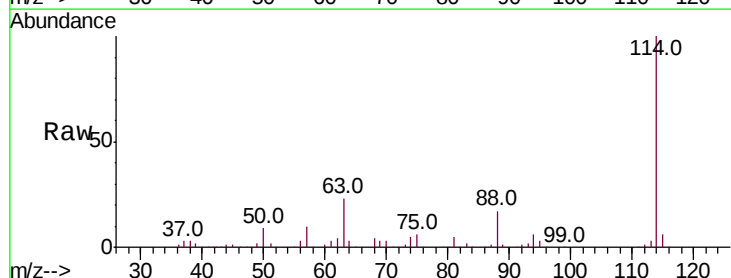
Tgt Ion: 114 Resp: 424752

Ion Ratio Lower Upper

114 100

63 22.3 18.0 27.0

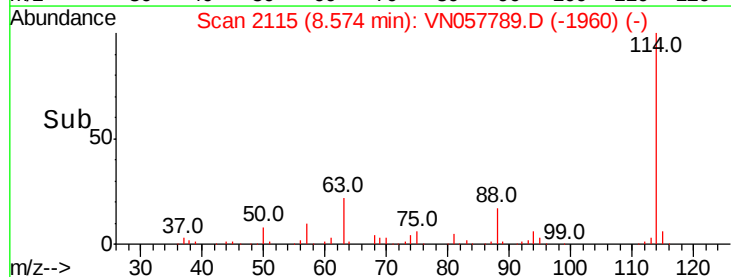
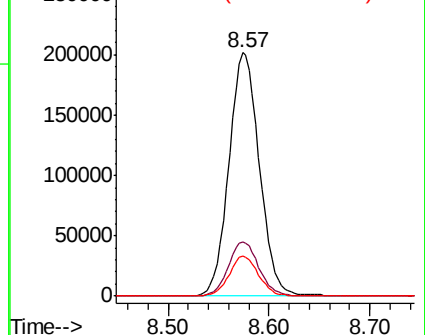
88 15.9 12.6 19.0

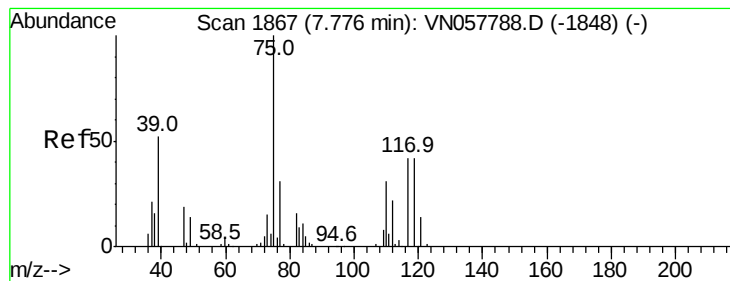


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0





#29

1,1-Dichloropropene

Concen: 49.893 ug/l

RT: 7.78 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

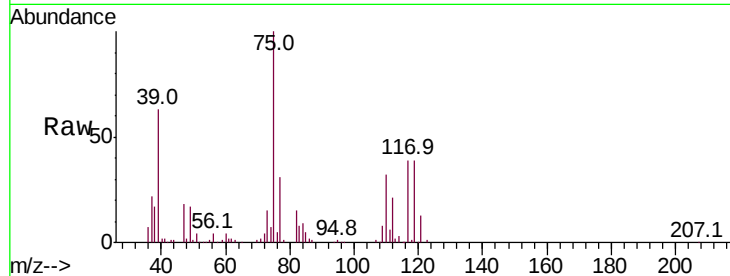
Tot Ion: 75 Resp: 333382

Ion Ratio Lower Upper

75 100

110 31.7 0.0 63.8

77 30.7 0.0 60.0

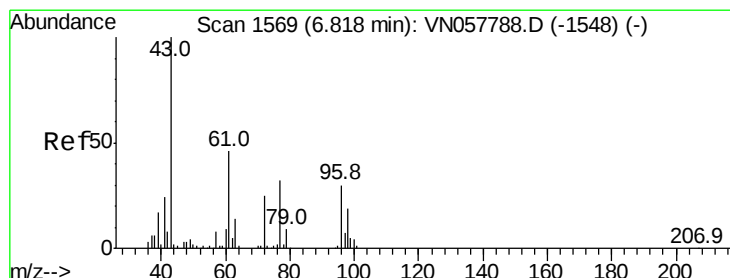
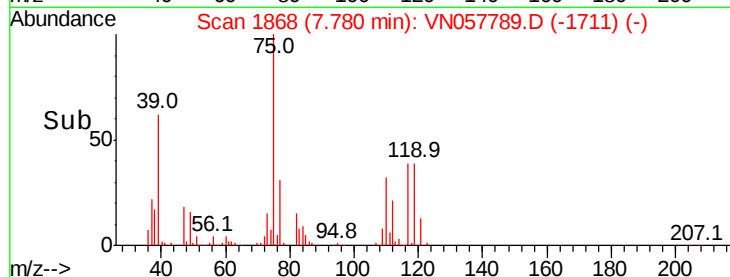


Abundance Ion 75.00 (74.70 to 75.70): VN057788.D (-1848) (-)

Ion 110.00 (109.70 to 110.70): VN057788.D (-1848) (-)

Ion 77.00 (76.70 to 77.70): VN057788.D (-1848) (-)

Time-->



#30

2-Butanone

Concen: 259.404 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

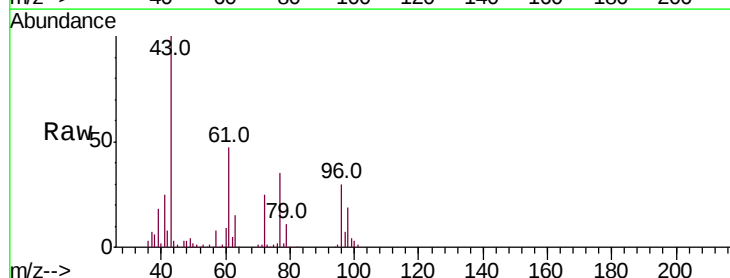
Tgt Ion: 43 Resp: 781544

Ion Ratio Lower Upper

43 100

57 7.9 6.4 9.6

72 25.5 20.3 30.5

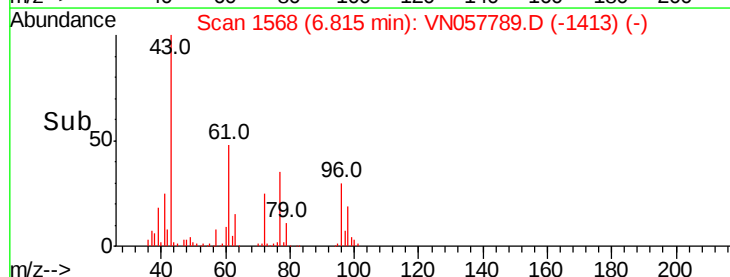


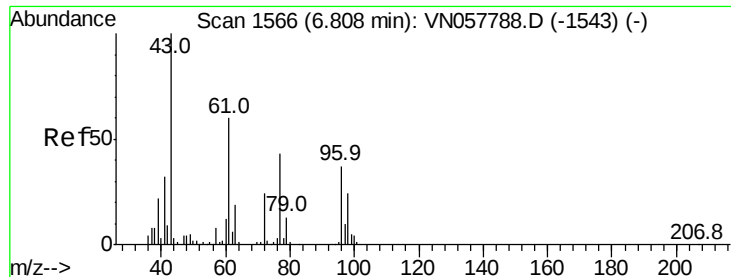
Abundance Ion 43.00 (42.70 to 43.70): VN057788.D (-1548) (-)

Ion 57.00 (56.70 to 57.70): VN057788.D (-1548) (-)

Ion 72.00 (71.70 to 72.70): VN057788.D (-1548) (-)

Time-->

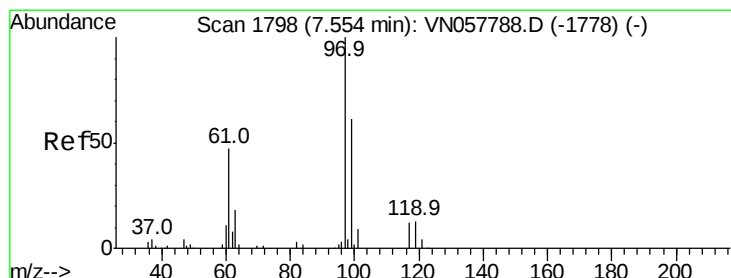
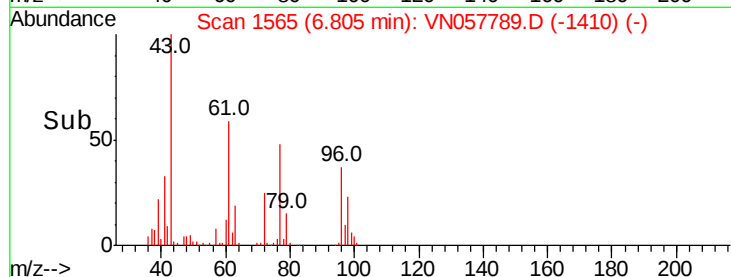
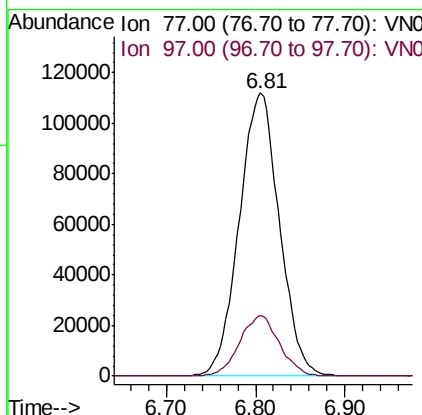
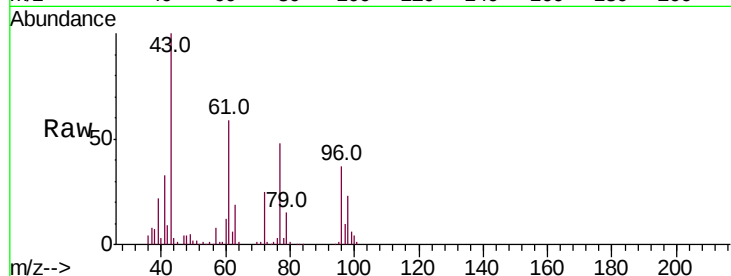




#31
 2,2-Dichloropropane
 Concen: 49.781 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

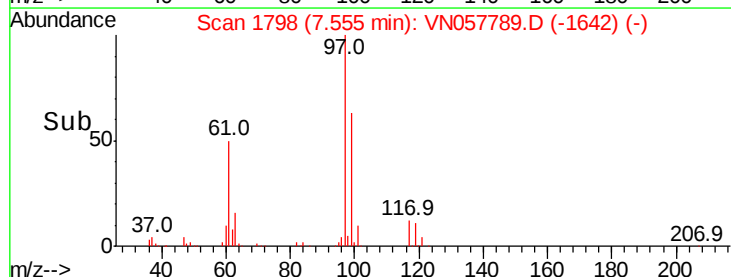
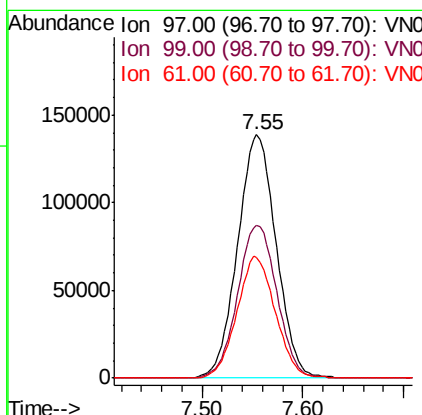
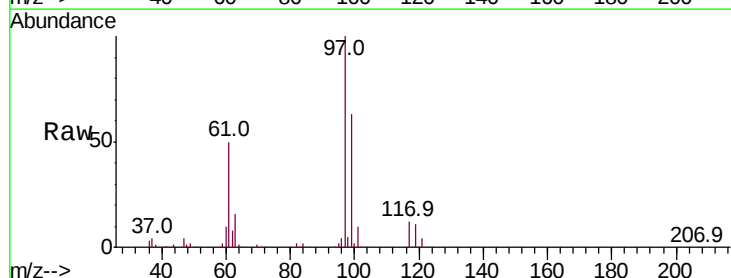
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

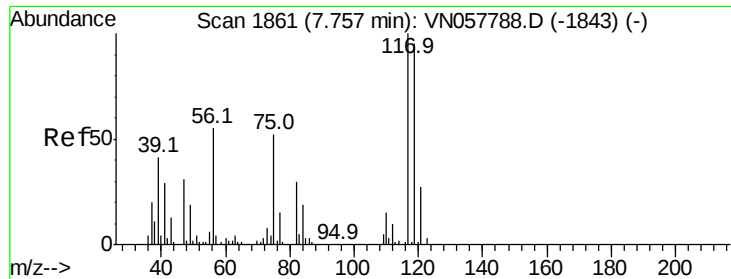
Tot Ion: 77 Resp: 351189
 Ion Ratio Lower Upper
 77 100
 97 21.2 17.7 26.5



#32
 1,1,1-Trichloroethane
 Concen: 49.022 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Tgt Ion: 97 Resp: 368288
 Ion Ratio Lower Upper
 97 100
 99 64.1 49.8 74.8
 61 49.7 38.7 58.1

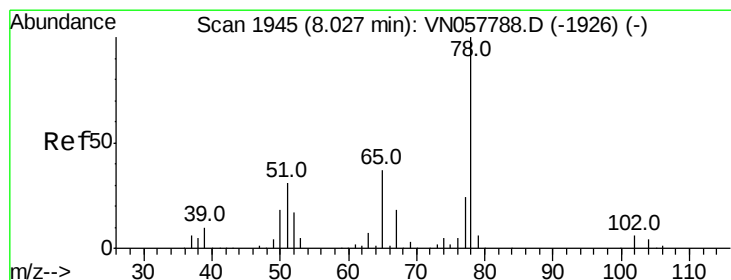
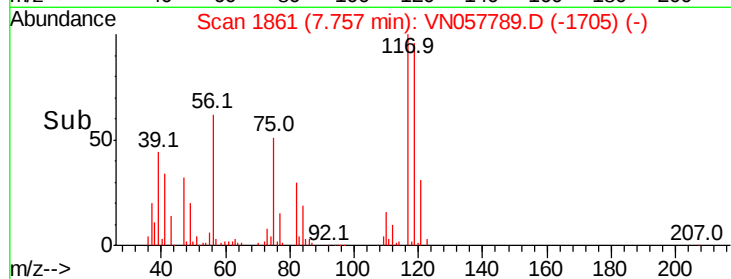
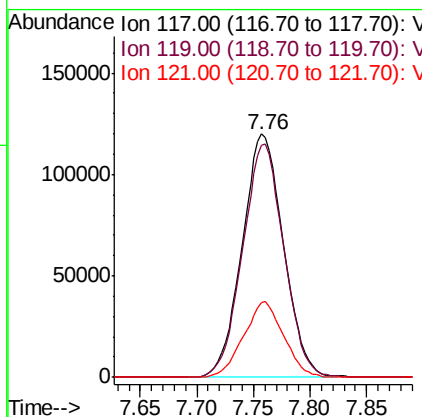
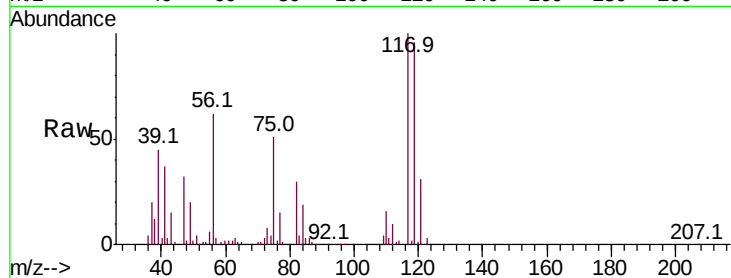




#33
Carbon Tetrachloride
Concen: 49.632 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

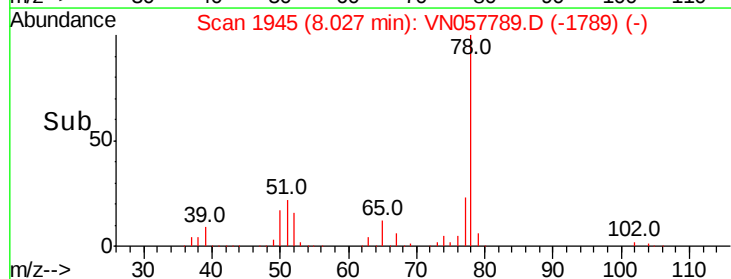
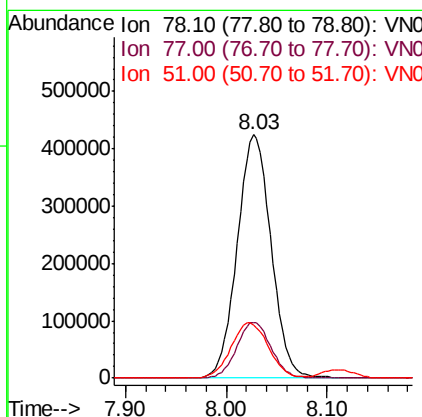
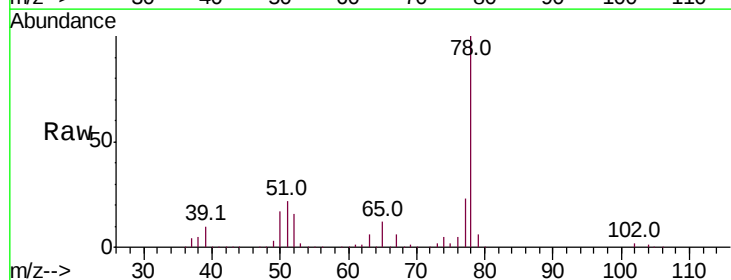
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

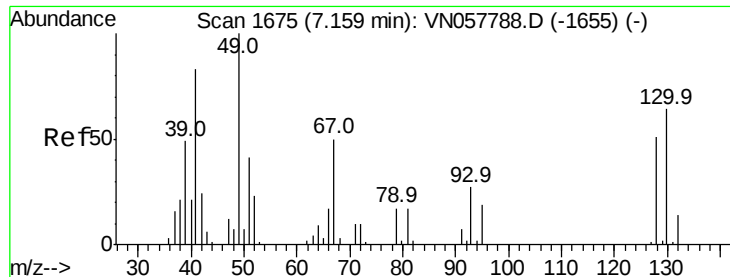
Tot Ion:117 Resp: 304177
Ion Ratio Lower Upper
117 100
119 95.6 75.7 113.5
121 30.7 21.7 32.5



#34
Benzene
Concen: 49.908 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion: 78 Resp: 988129
Ion Ratio Lower Upper
78 100
77 23.0 19.2 28.8
51 21.8 24.9 37.3#

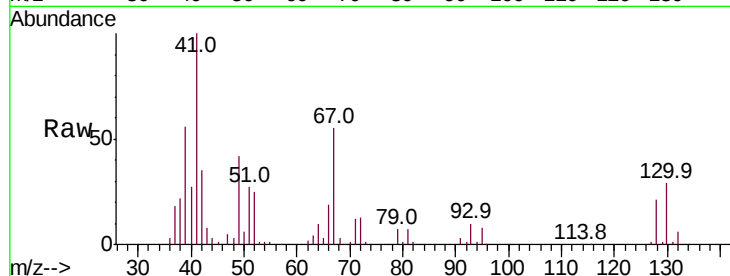




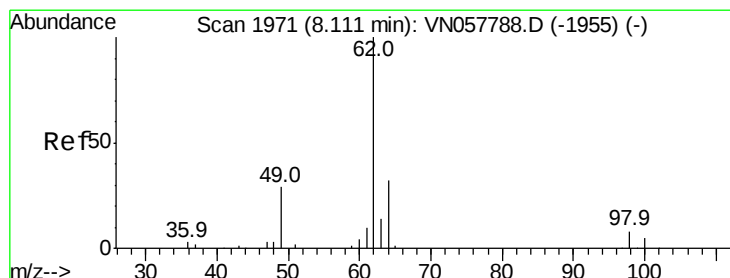
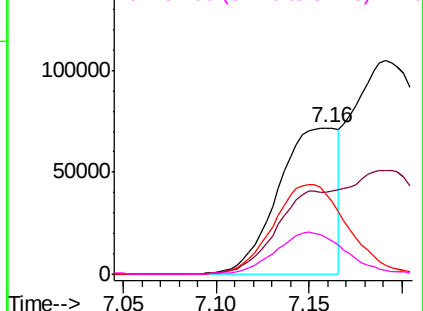
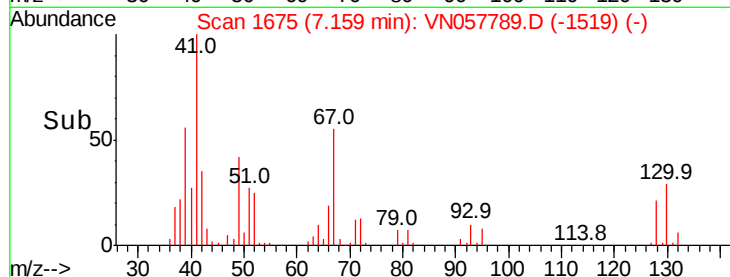
#35
Methacrylonitrile
Concen: 58.482 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion:	41	Resp:	160530
Ion	Ratio	Lower	Upper
41	100		
39	55.7	29.8	89.5
67	55.4	30.0	90.1
52	24.9	13.9	41.6

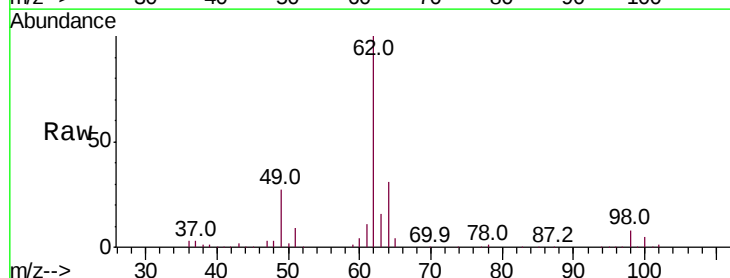


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

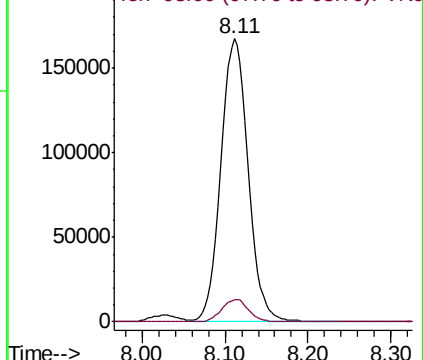
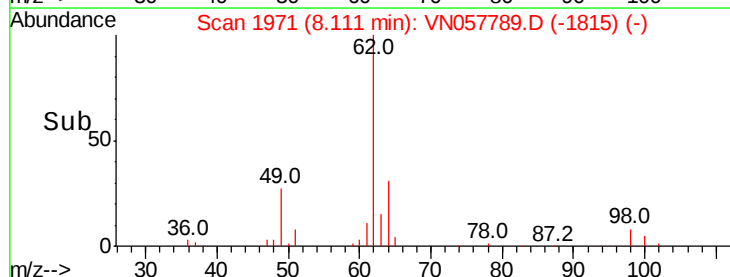


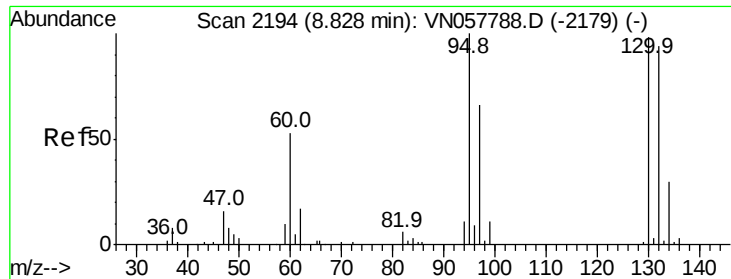
#36
1,2-Dichloroethane
Concen: 49.895 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion:	62	Resp:	383347
Ion	Ratio	Lower	Upper
62	100		
98	7.8	6.6	9.8



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

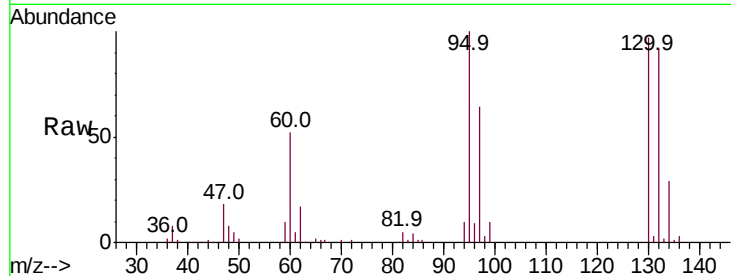




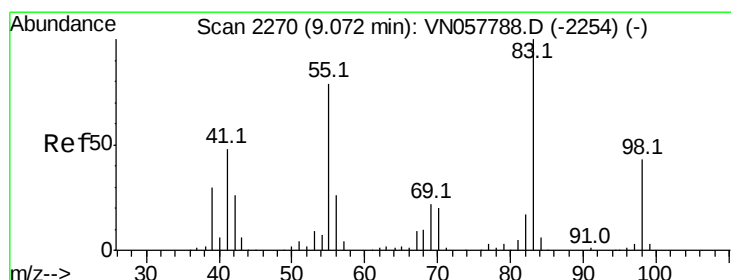
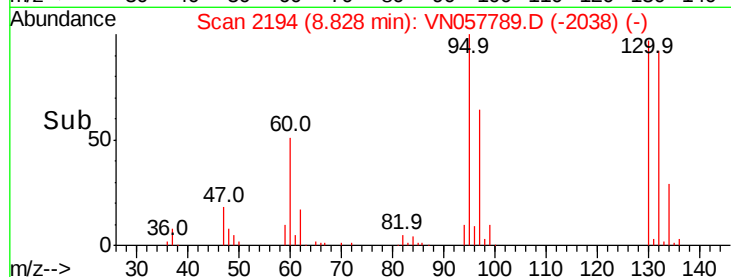
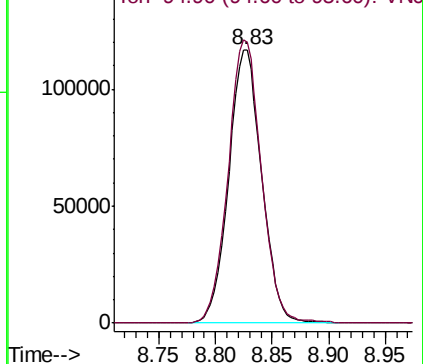
#37
 Trichloroethene
 Concen: 49.258 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion:130 Resp: 236872
 Ion Ratio Lower Upper
 130 100
 95 102.5 81.9 122.9

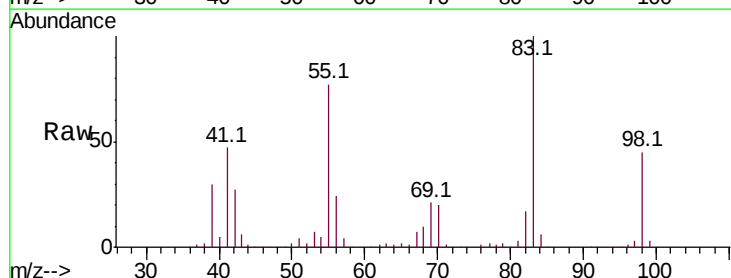


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

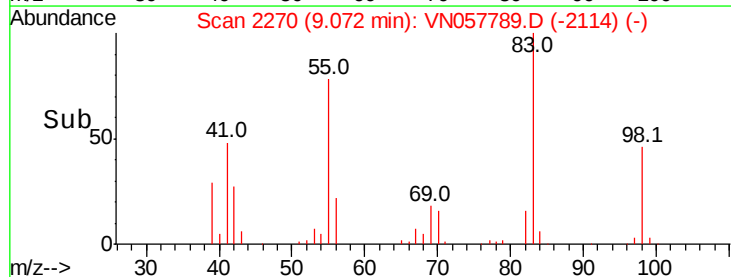
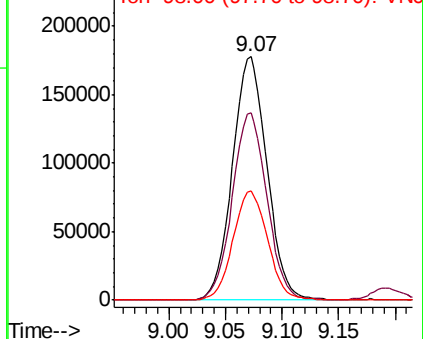


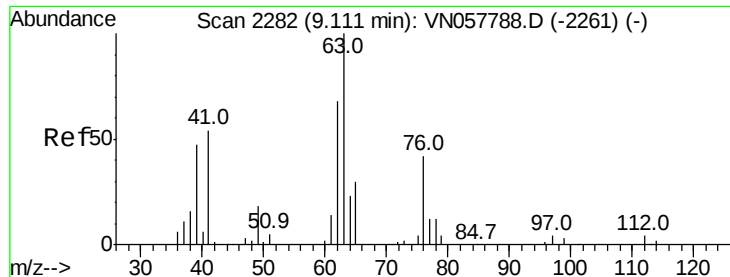
#38
 Methylcyclohexane
 Concen: 49.767 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Tgt Ion: 83 Resp: 378657
 Ion Ratio Lower Upper
 83 100
 55 77.2 39.6 118.7
 98 44.8 21.8 65.4



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

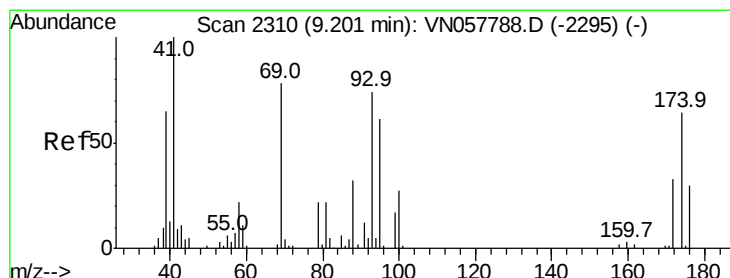
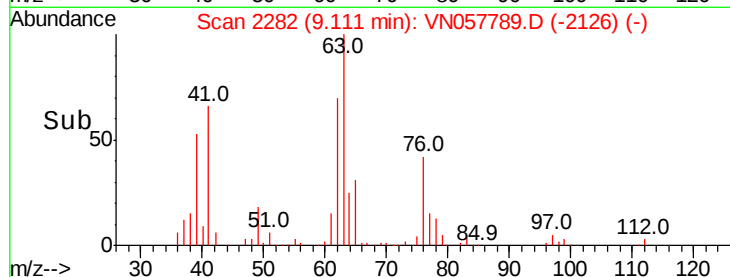
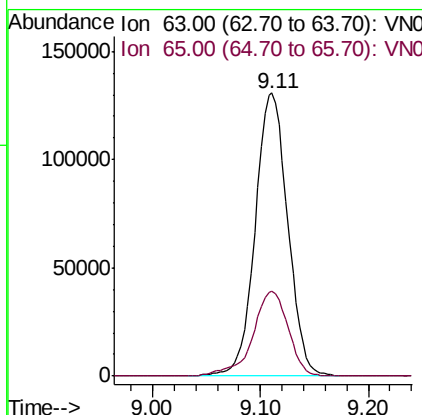
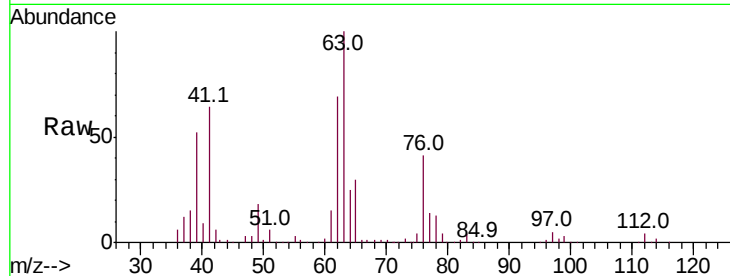




#39
 1,2-Dichloropropane
 Concen: 49.131 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

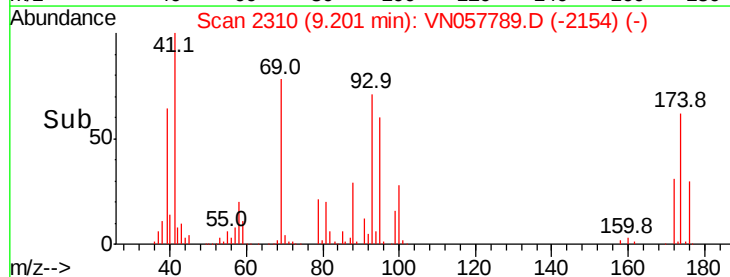
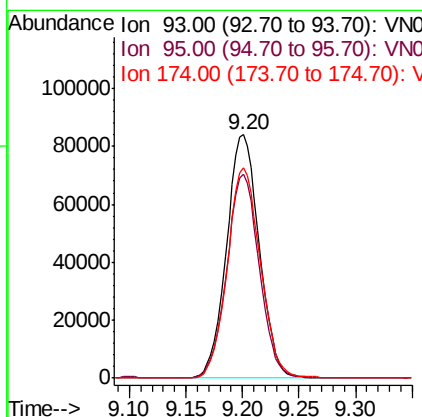
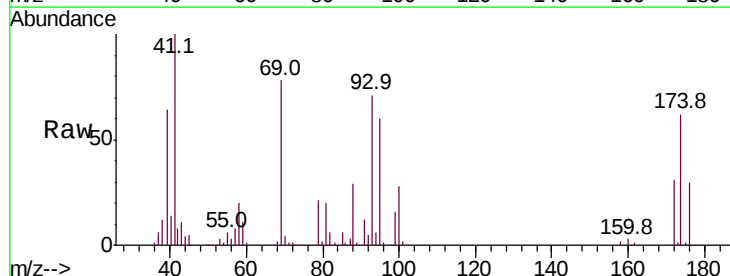
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

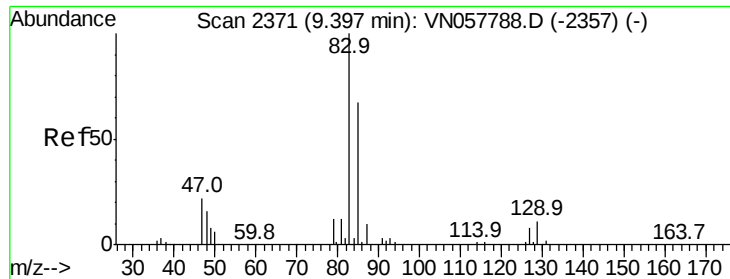
Tot Ion: 63 Resp: 273178
 Ion Ratio Lower Upper
 63 100
 65 29.9 23.6 35.4



#40
 Dibromomethane
 Concen: 50.032 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Tgt Ion: 93 Resp: 169197
 Ion Ratio Lower Upper
 93 100
 95 83.1 0.0 163.0
 174 87.0 0.0 171.4





#41

Bromodichloromethane

Concen: 50.171 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

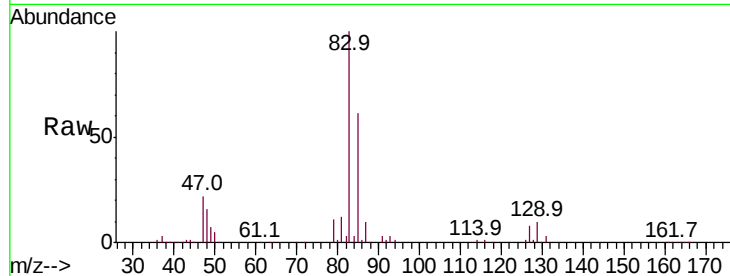
Tot Ion: 83 Resp: 342066

Ion Ratio Lower Upper

83 100

85 60.9 53.4 80.0

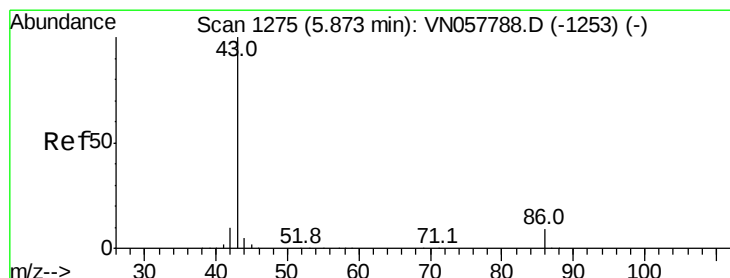
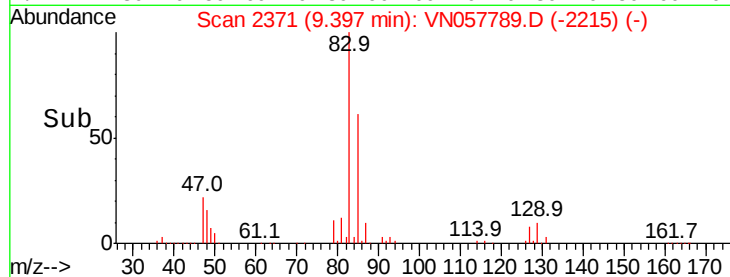
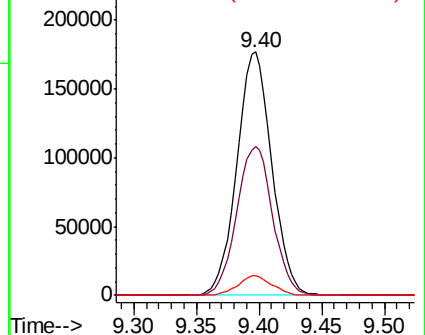
127 8.0 6.6 10.0



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: 272.788 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057789.D

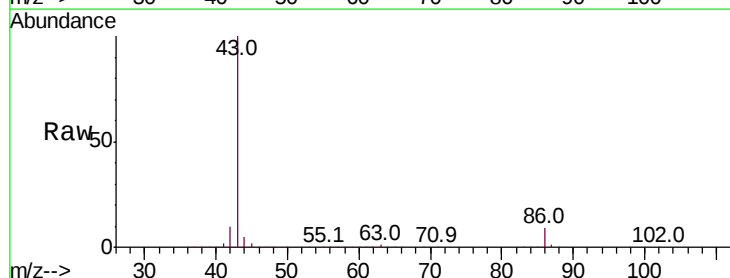
Acq: 9 Sep 2019 9:56

Tgt Ion: 43 Resp: 3305029

Ion Ratio Lower Upper

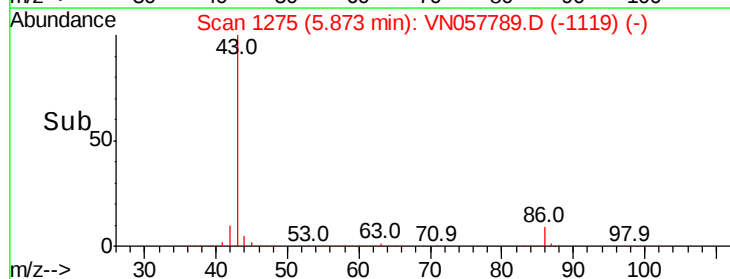
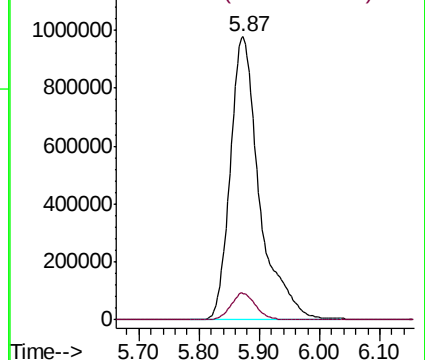
43 100

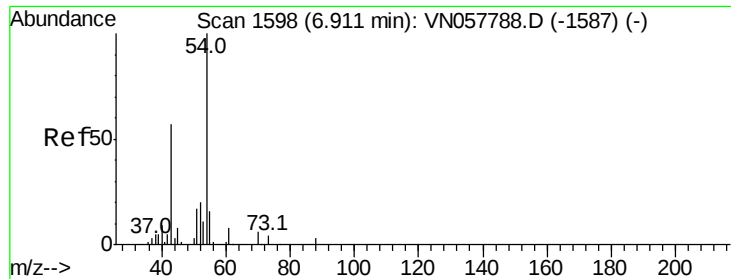
86 8.2 6.3 9.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

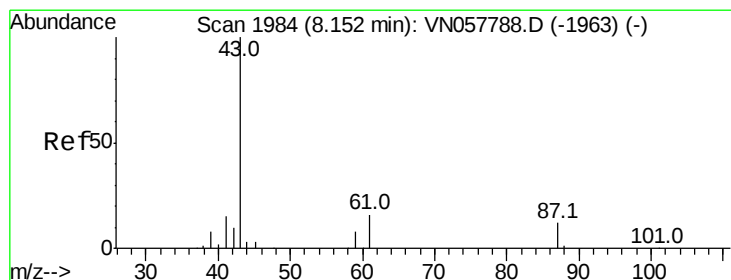
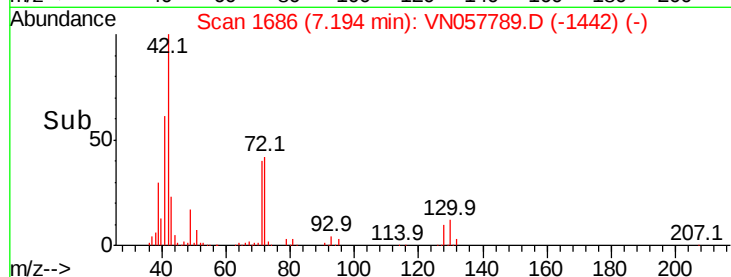
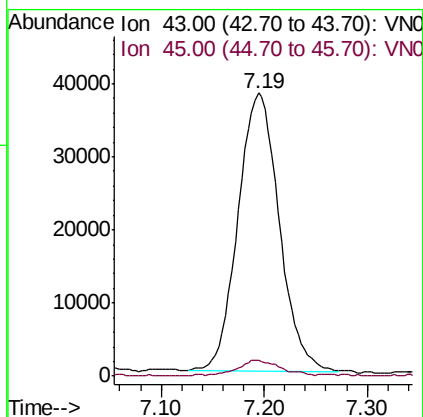
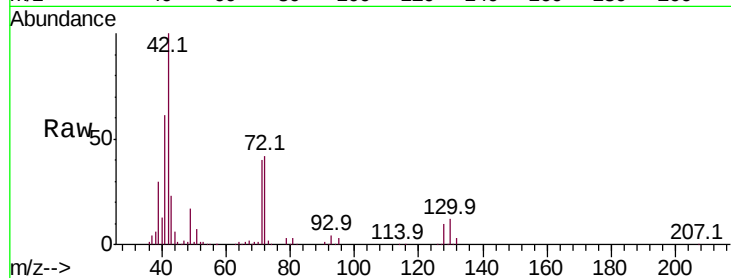




#43
Ethyl Acetate
Concen: 17.073 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.28 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

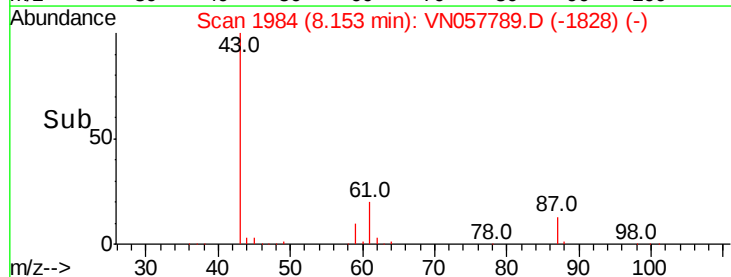
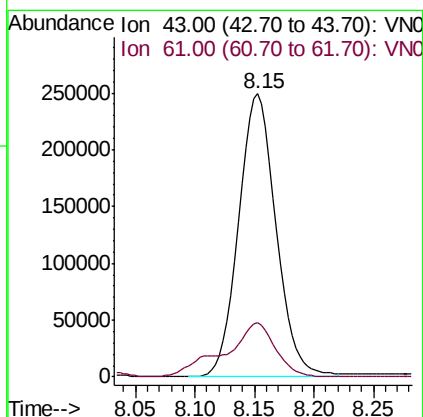
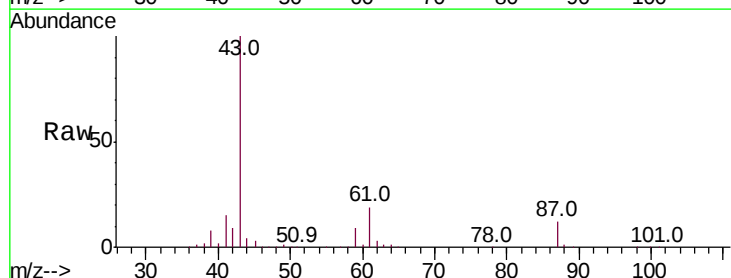
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

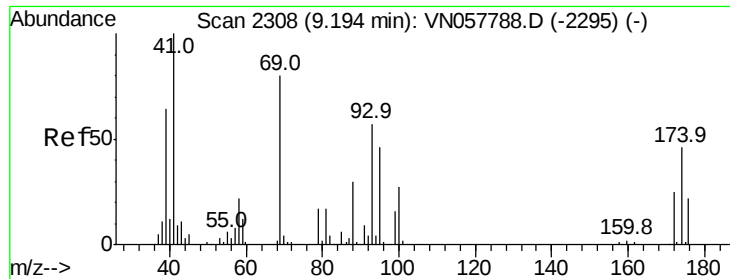
Tot Ion: 43 Resp: 106106
Ion Ratio Lower Upper
43 100
45 5.5 5.4 8.0



#44
Isopropyl Acetate
Concen: 50.344 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion: 43 Resp: 541766
Ion Ratio Lower Upper
43 100
61 18.1 0.1 0.1#

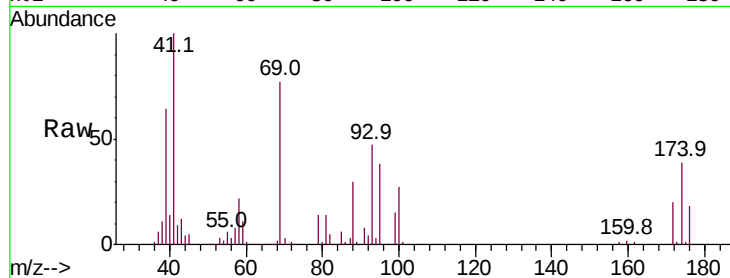




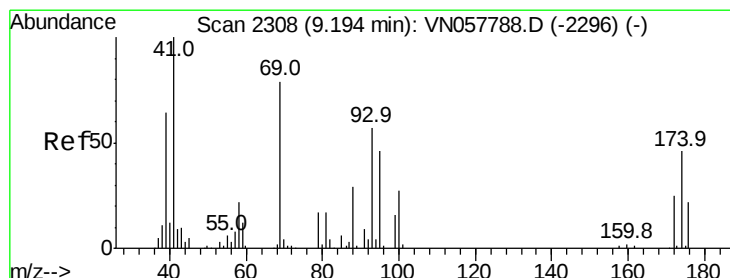
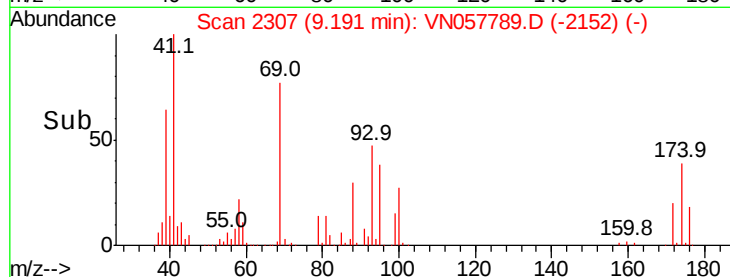
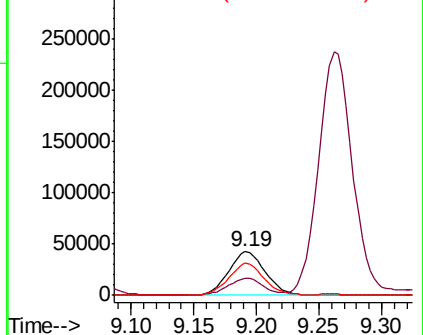
#45
 1,4-Dioxane
 Concen: 1033.241 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion: 88 Resp: 87017
 Ion Ratio Lower Upper
 88 100
 43 35.4 28.2 42.4
 58 70.2 58.5 87.7

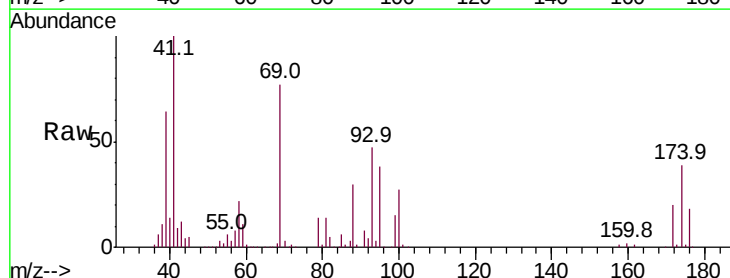


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

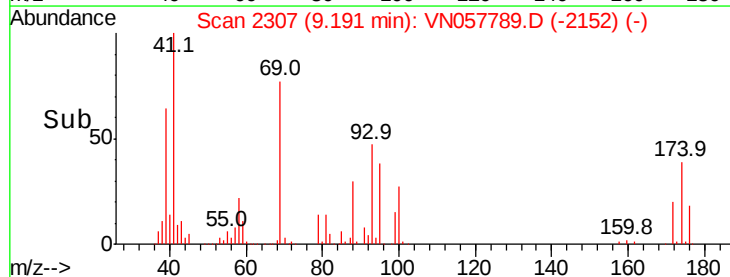
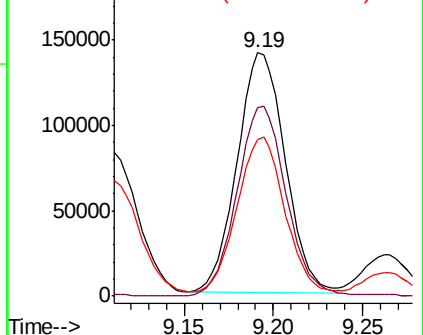


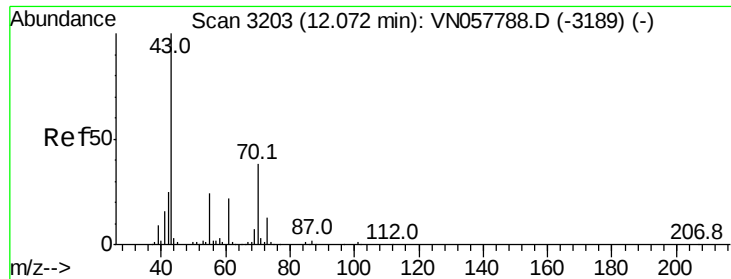
#46
 Methyl methacrylate
 Concen: 50.450 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Tgt Ion: 41 Resp: 264126
 Ion Ratio Lower Upper
 41 100
 69 78.3 39.6 119.0
 39 63.7 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

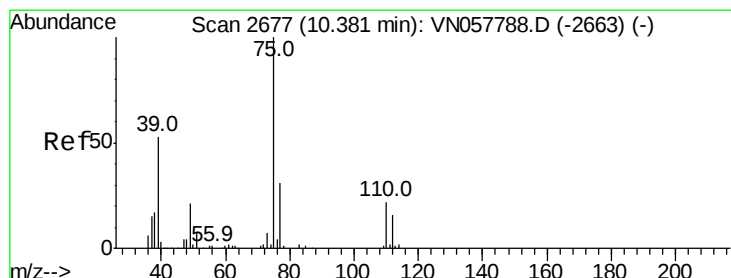
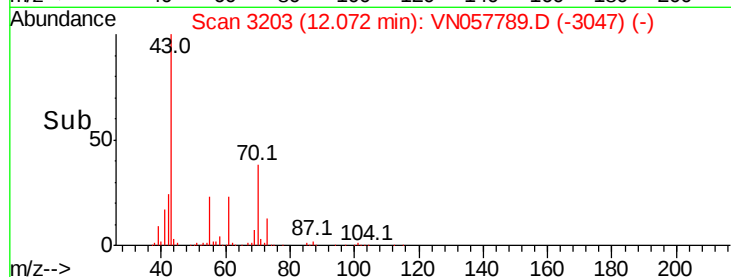
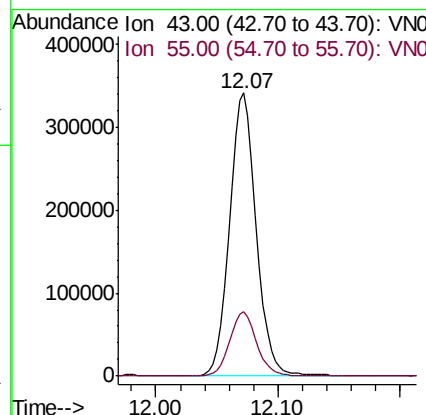
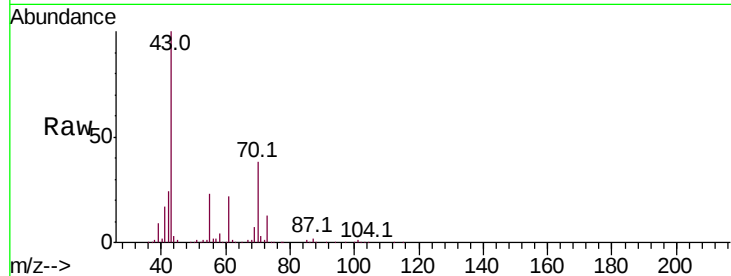




#47
n-amvl Acetate
Concen: 52.994 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

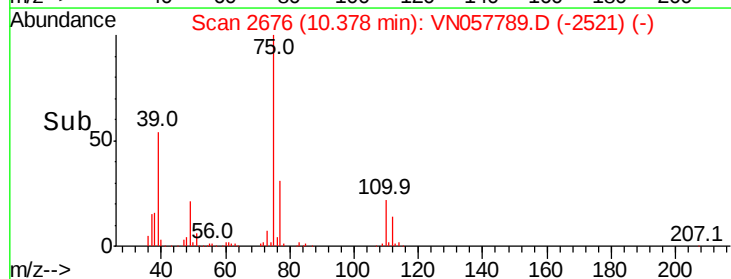
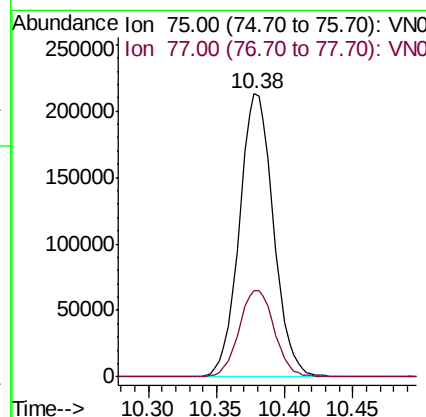
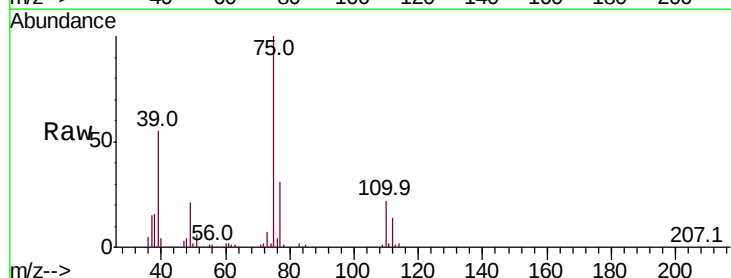
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

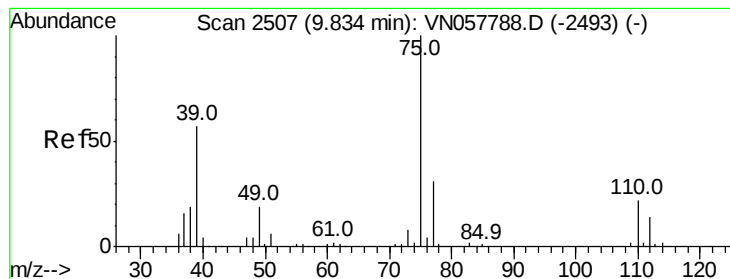
Tot Ion: 43 Resp: 521459
Ion Ratio Lower Upper
43 100
55 23.1 18.3 27.5



#48
t-1,3-Dichloropropene
Concen: 51.026 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion: 75 Resp: 370371
Ion Ratio Lower Upper
75 100
77 30.6 24.9 37.3



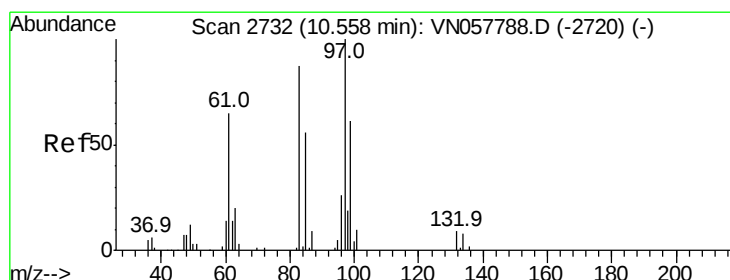
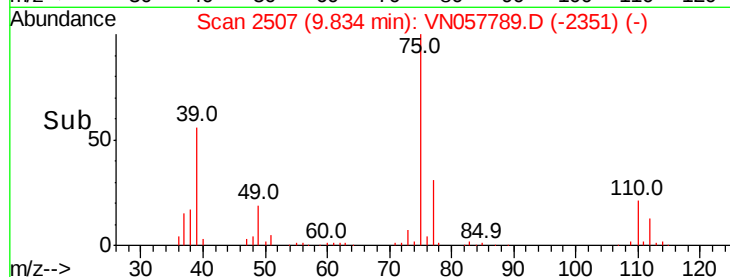
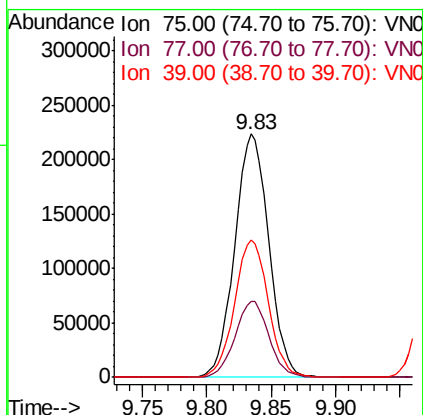
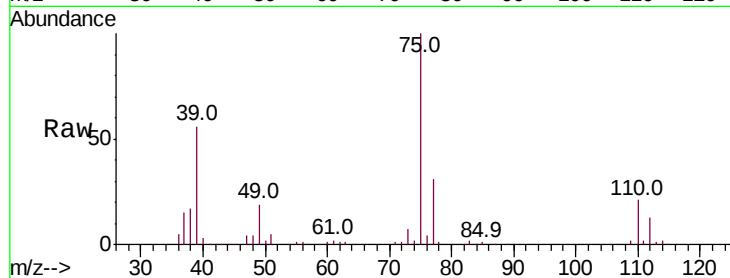


#49

cis-1,3-Dichloropropene
 Concen: 50.360 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

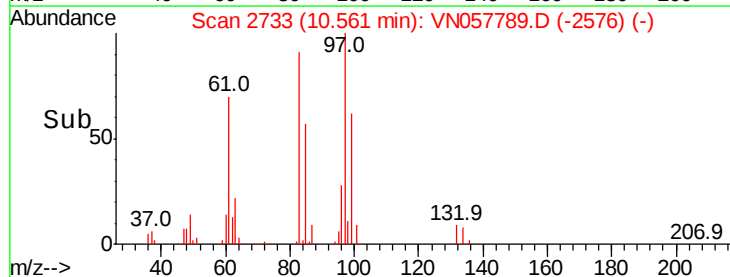
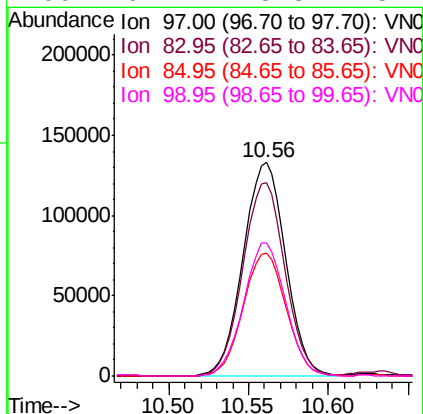
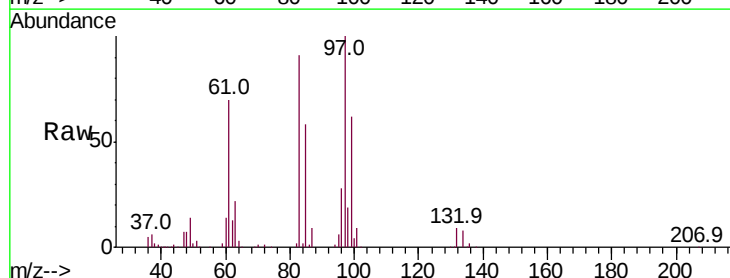
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.6	36.8
39	56.1	45.8	68.8

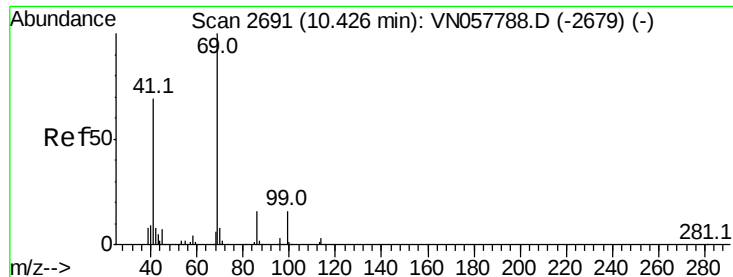


#50

1,1,2-Trichloroethane
 Concen: 49.308 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.7	69.4	104.2
85	57.8	45.0	67.6
99	62.4	48.8	73.2





#51

Ethyl methacrylate

Concen: 51.383 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

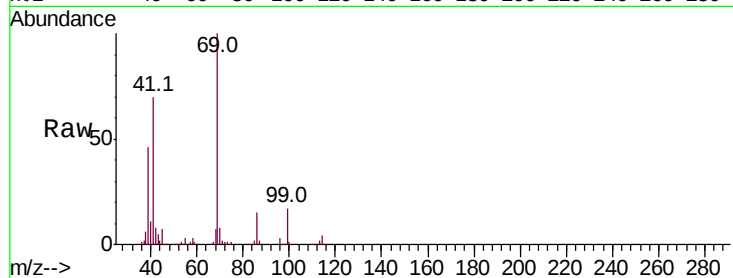
MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 69 Resp: 390819

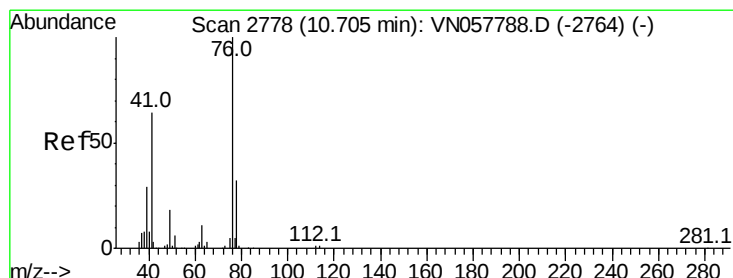
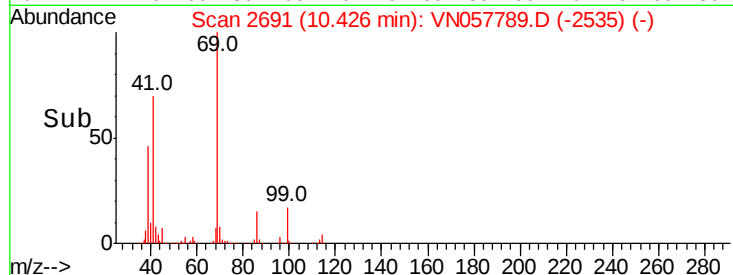
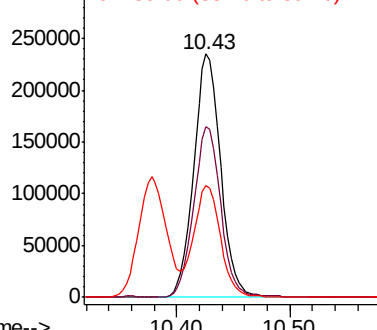
Ion	Ratio	Lower	Upper
69	100		
41	69.7	34.5	103.5
39	45.8	22.4	67.3



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: 50.133 ug/l

RT: 10.71 min Scan# 2778

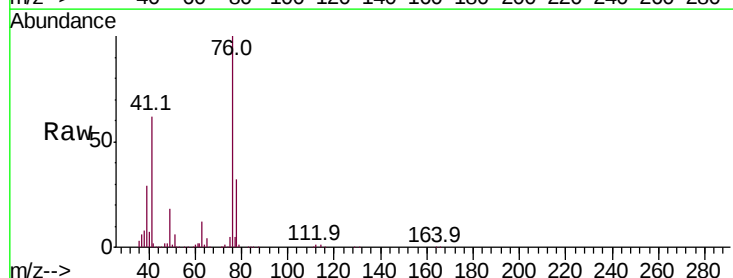
Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

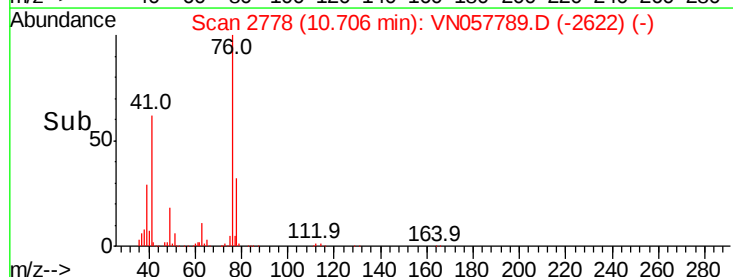
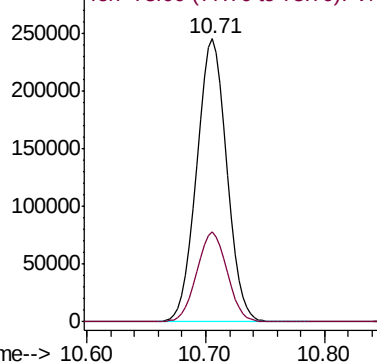
Tgt Ion: 76 Resp: 430065

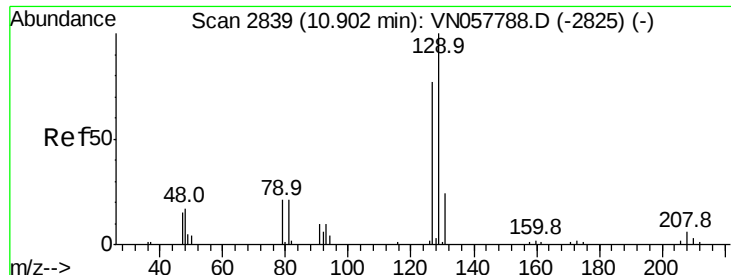
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	63.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

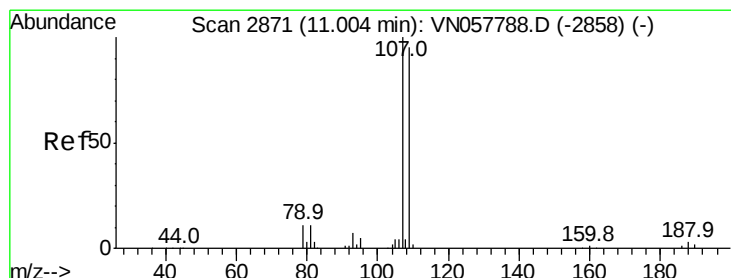
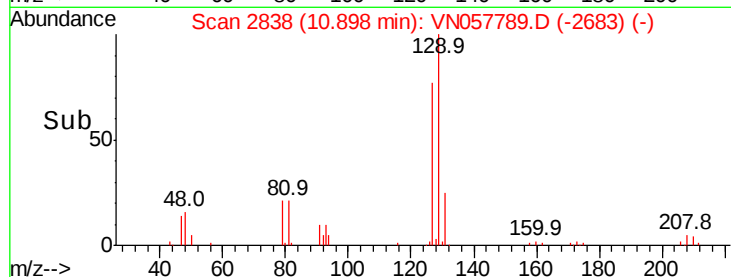
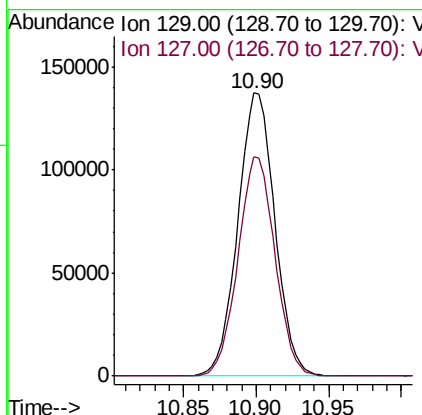
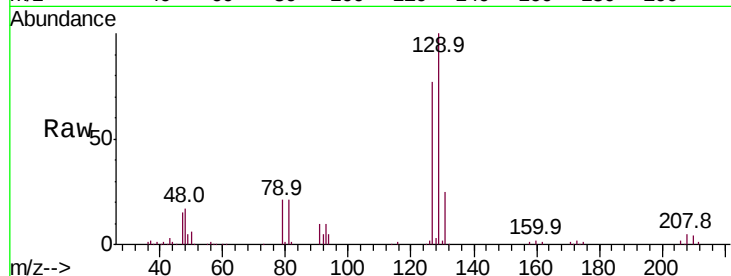




#53
Dibromochloromethane
Concen: 50.369 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

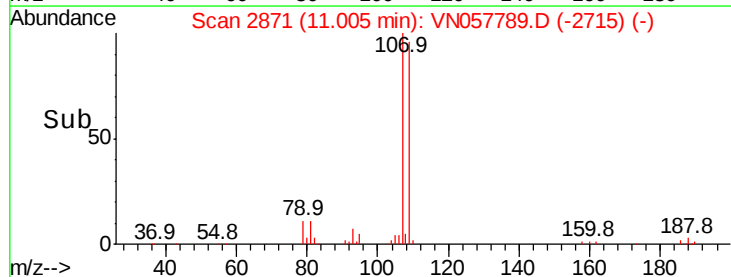
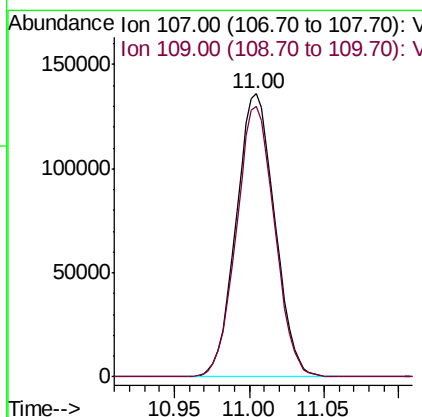
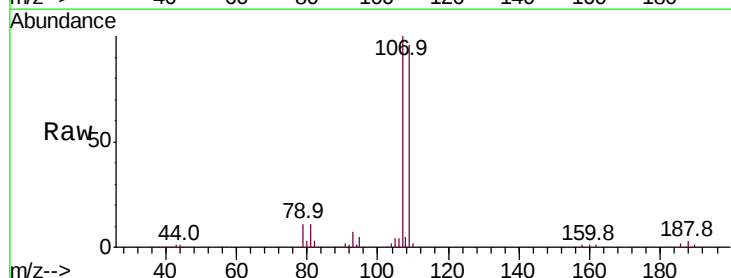
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

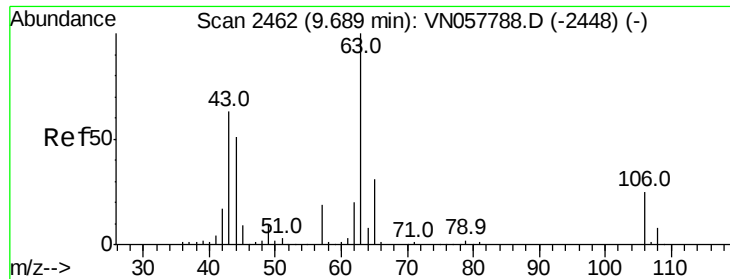
Tot Ion:129 Resp: 244010
Ion Ratio Lower Upper
129 100
127 77.3 38.8 116.3



#54
1,2-Dibromoethane
Concen: 50.193 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion:107 Resp: 244972
Ion Ratio Lower Upper
107 100
109 94.5 75.4 113.0

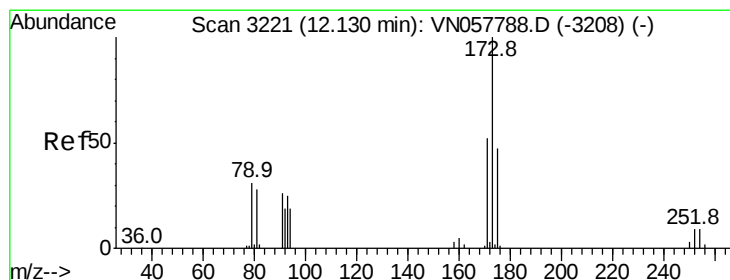
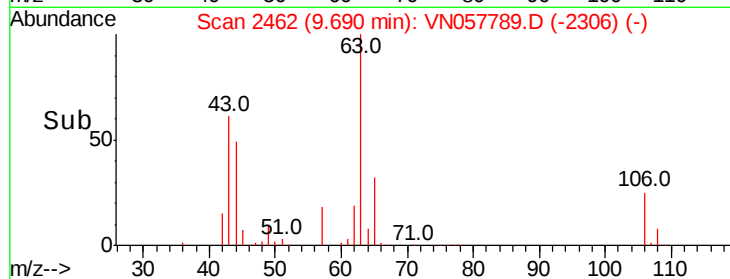
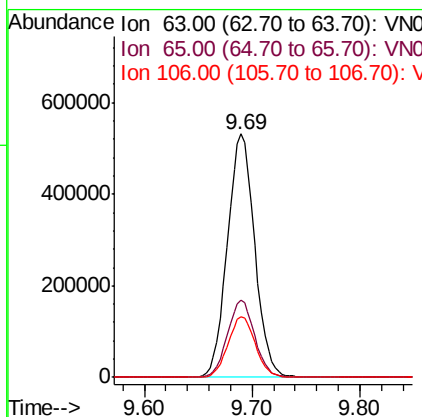
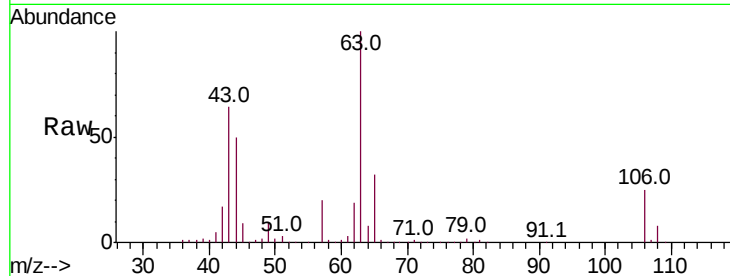




#55
2-Chloroethyl vinyl ether
Concen: 259.739 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

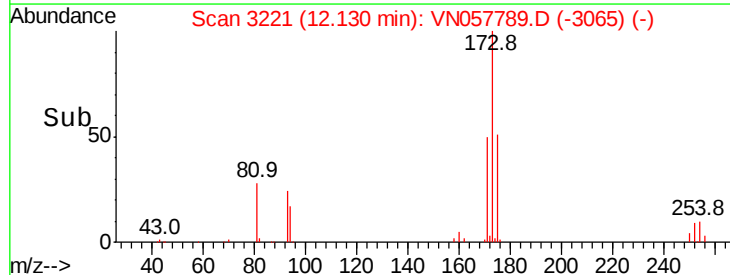
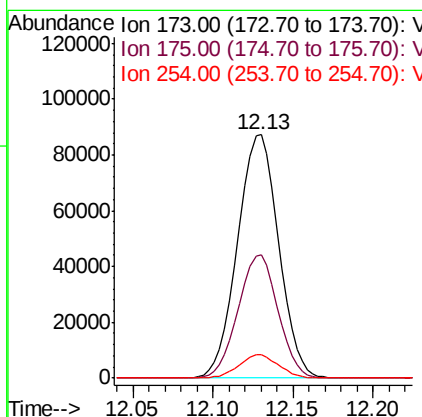
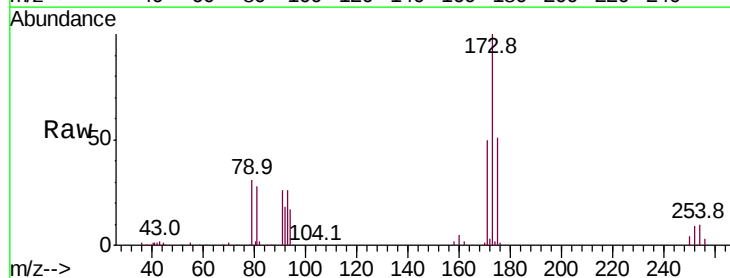
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

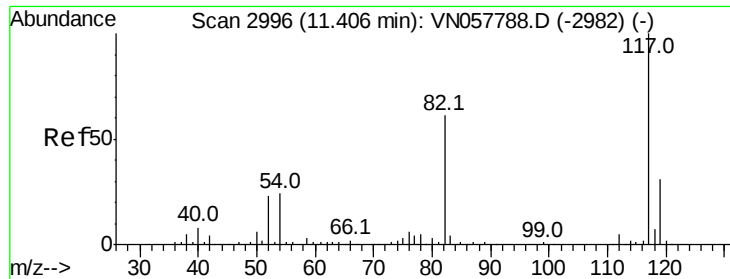
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.0	37.6
106	24.9	19.8	29.8



#56
Bromoform
Concen: 51.080 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	38.4	57.6
254	9.2	6.9	10.3

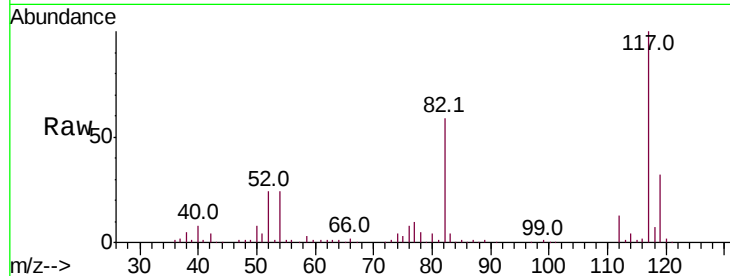




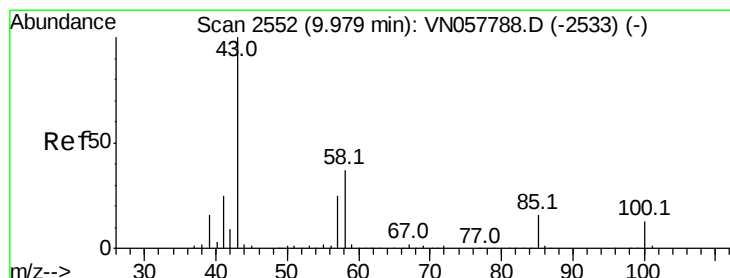
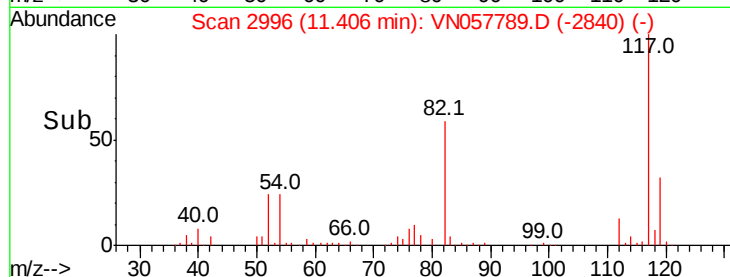
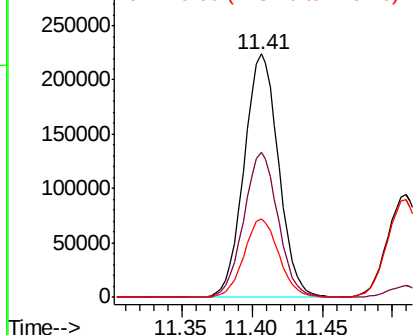
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion:117 Resp: 384844
Ion Ratio Lower Upper
117 100
82 59.1 47.6 71.4
119 32.4 25.4 38.2

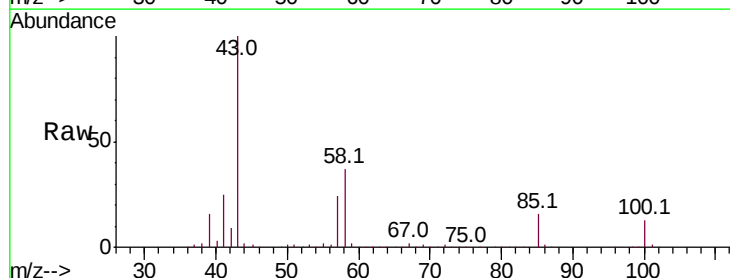


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

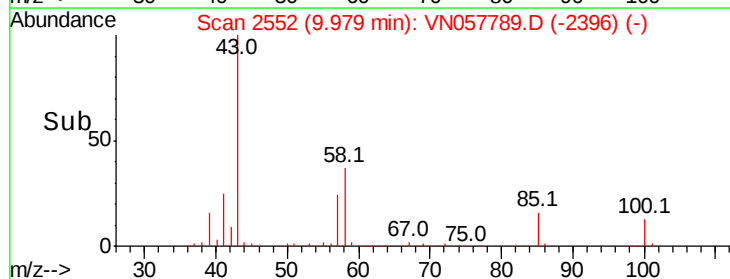
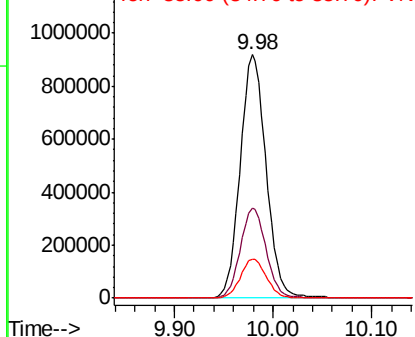


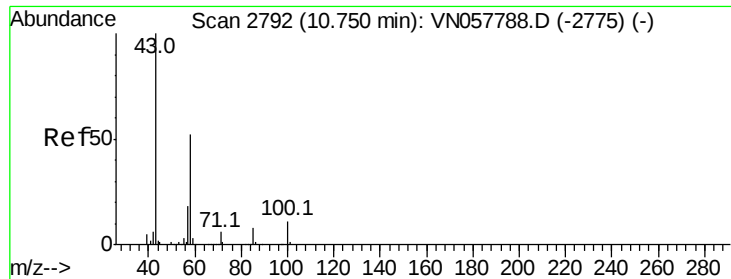
#58
4-Methyl-2-Pentanone
Concen: 279.391 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion: 43 Resp: 1667430
Ion Ratio Lower Upper
43 100
58 36.9 29.4 44.0
85 16.0 12.9 19.3



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

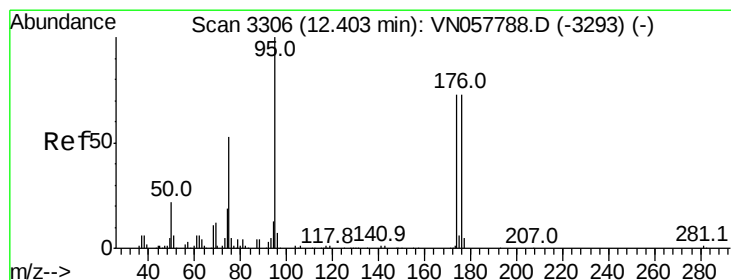
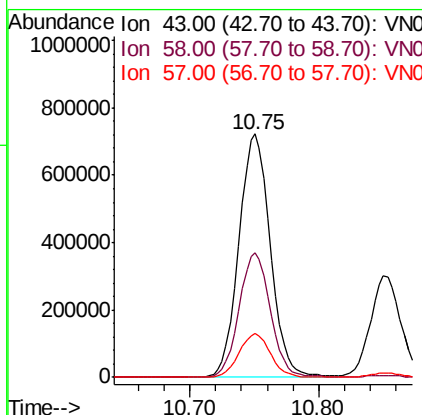
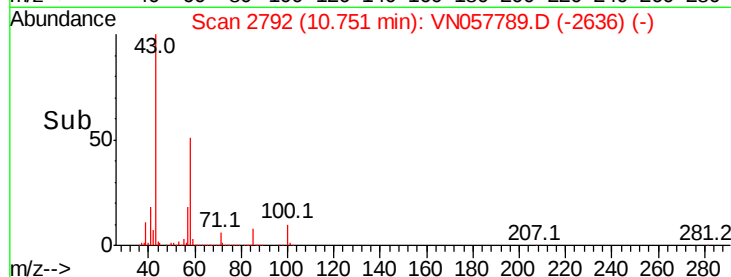
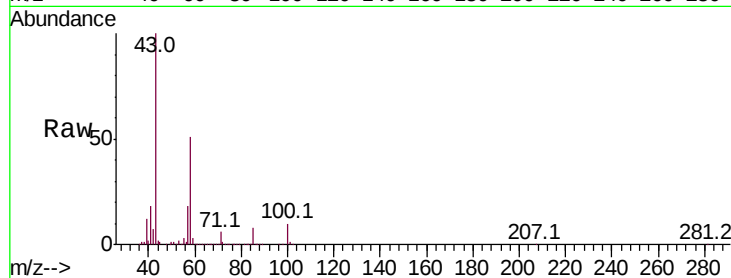




#59
2-Hexanone
Concen: 273.125 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

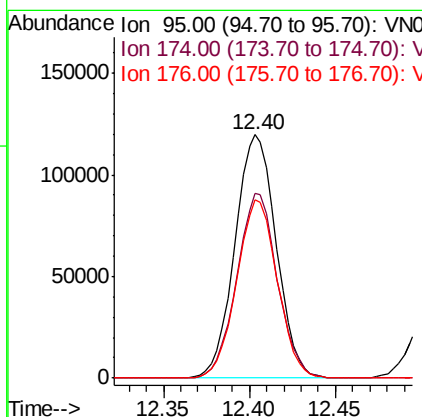
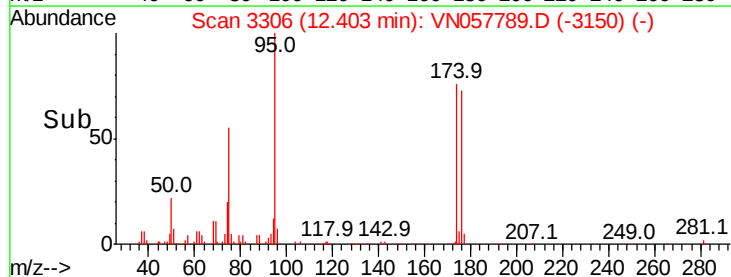
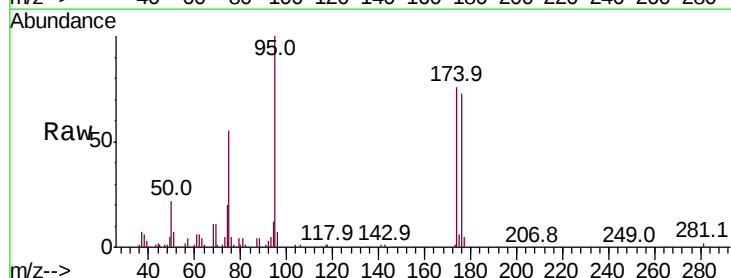
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

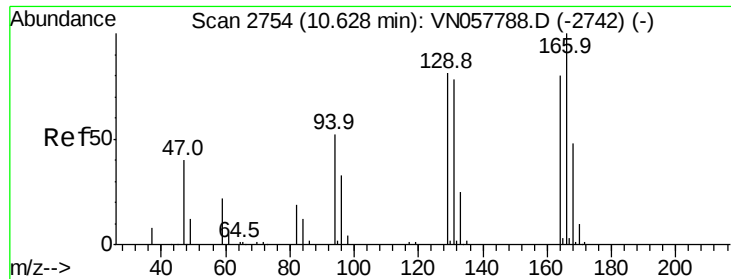
Tot Ion: 43 Resp: 1223216
Ion Ratio Lower Upper
43 100
58 51.1 40.6 61.0
57 18.1 14.5 21.7



#60
4-Bromofluorobenzene
Concen: 30.357 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion: 95 Resp: 199916
Ion Ratio Lower Upper
95 100
174 74.5 59.4 89.0
176 72.2 57.4 86.0

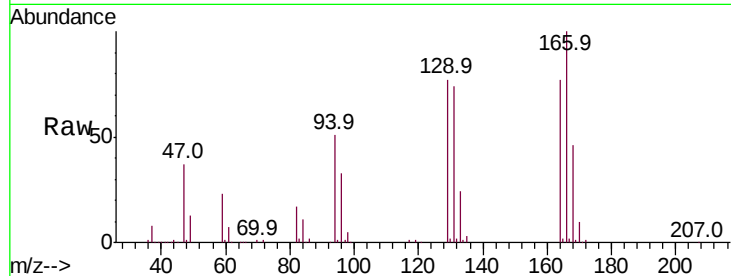




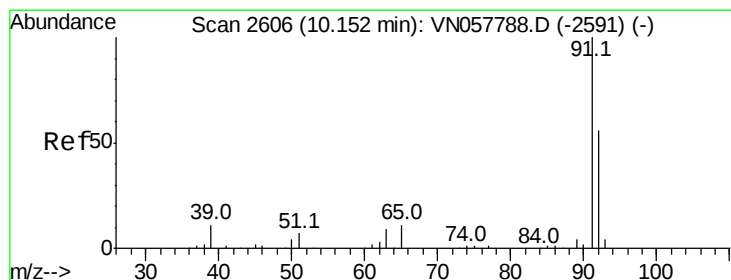
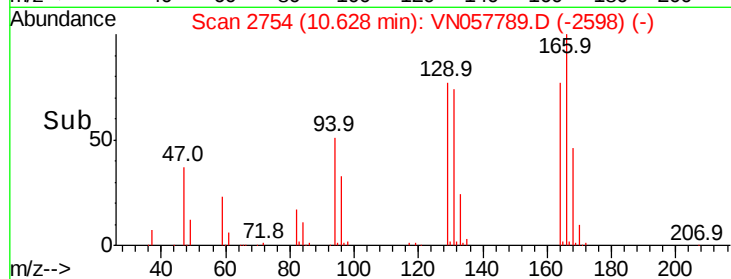
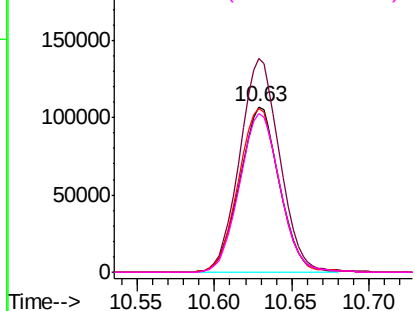
#61
Tetrachloroethene
Concen: 49.022 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion:164 Resp: 191815
Ion Ratio Lower Upper
164 100
166 129.3 99.6 149.4
129 99.2 80.9 121.3
131 95.9 77.2 115.8

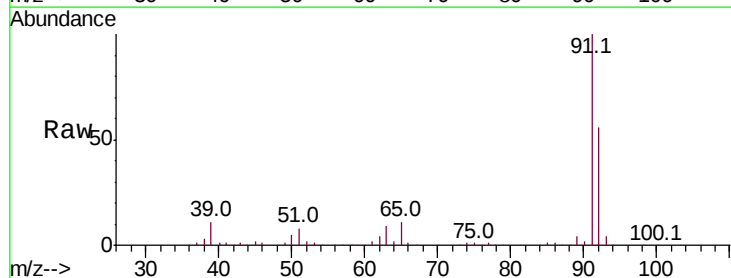


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

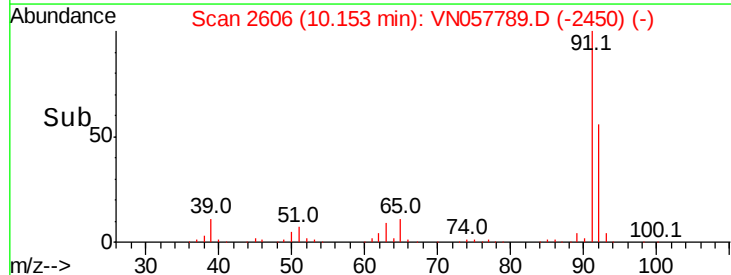
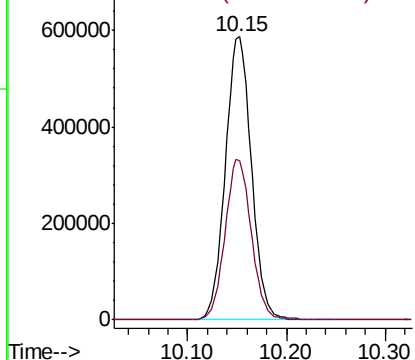


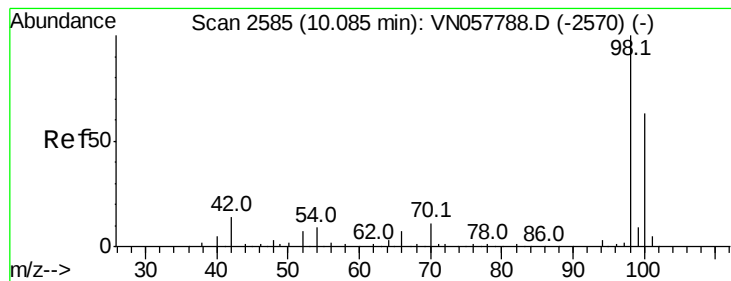
#62
Toluene
Concen: 51.144 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion: 91 Resp: 1089847
Ion Ratio Lower Upper
91 100
92 56.9 44.9 67.3



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 29.864 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

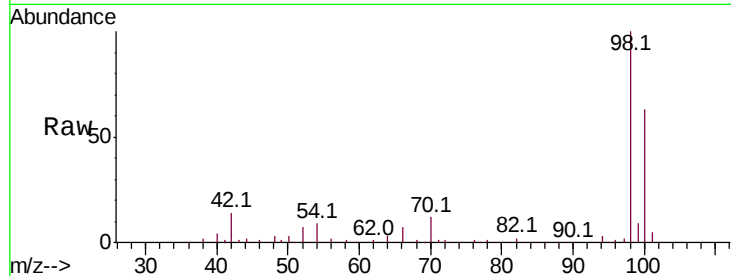
VSTDIC050

Tot Ion: 98 Resp: 551637

Ion Ratio Lower Upper

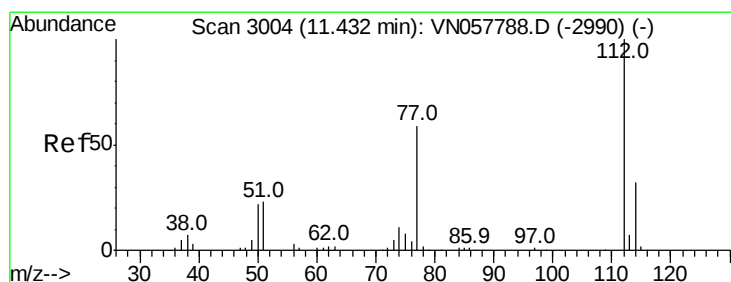
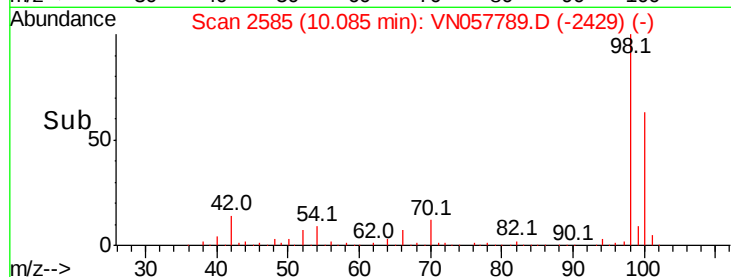
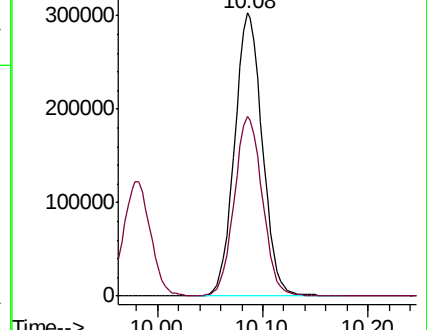
98 100

100 63.9 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: 50.122 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057789.D

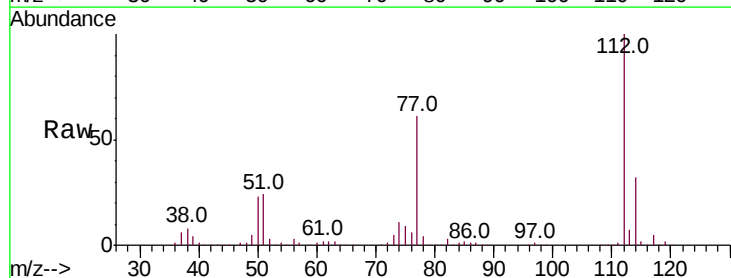
Acq: 9 Sep 2019 9:56

Tgt Ion: 112 Resp: 662557

Ion Ratio Lower Upper

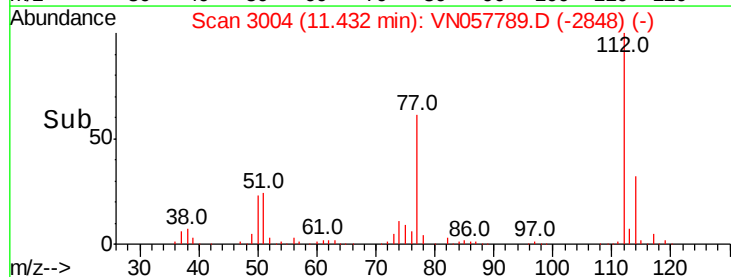
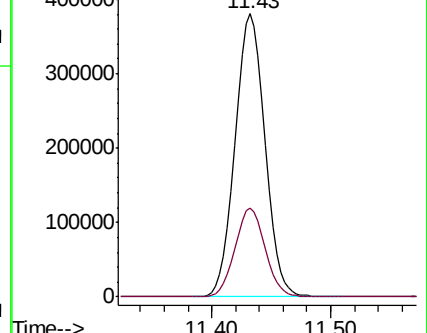
112 100

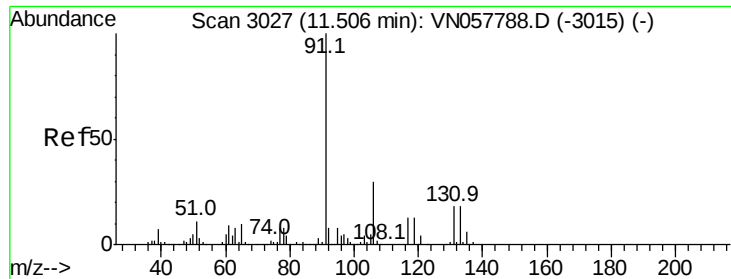
114 31.6 25.4 38.0



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: 50.392 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

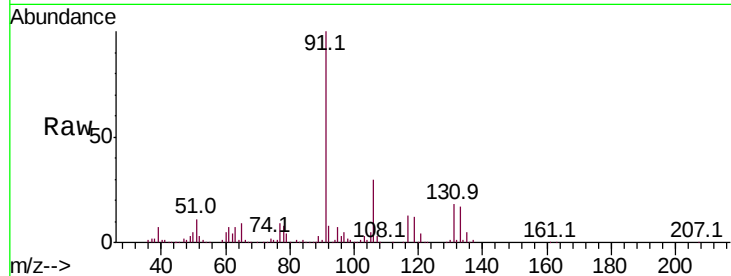
Tot Ion:131 Resp: 231286

Ion Ratio Lower Upper

131 100

133 94.6 0.0 189.2

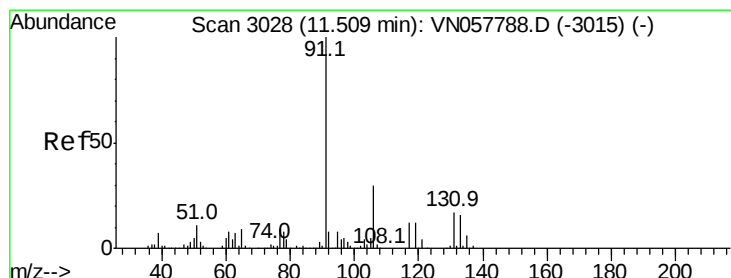
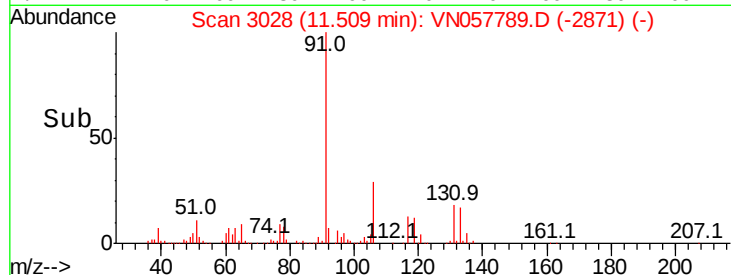
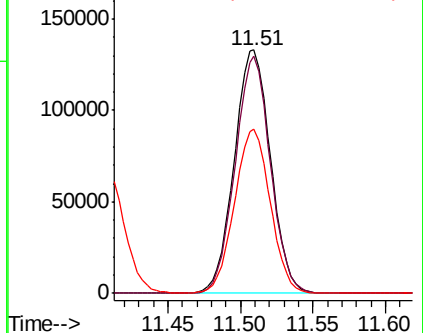
119 66.5 0.0 136.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 53.478 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057789.D

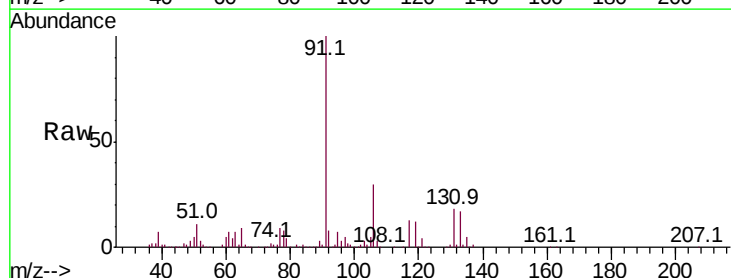
Acq: 9 Sep 2019 9:56

Tgt Ion: 91 Resp: 1243342

Ion Ratio Lower Upper

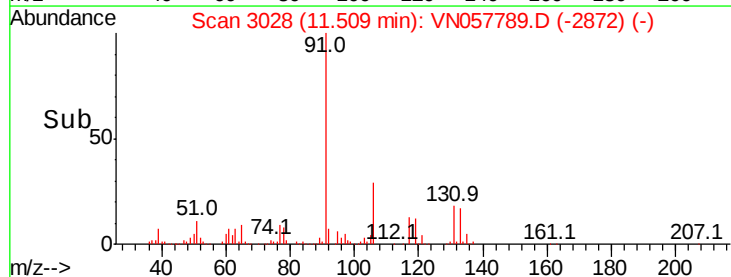
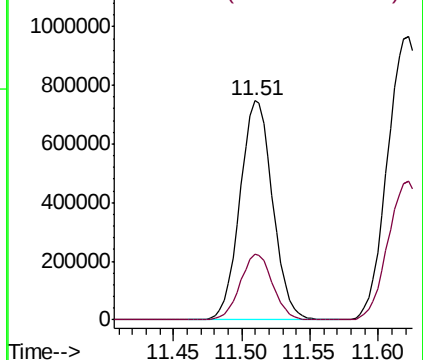
91 100

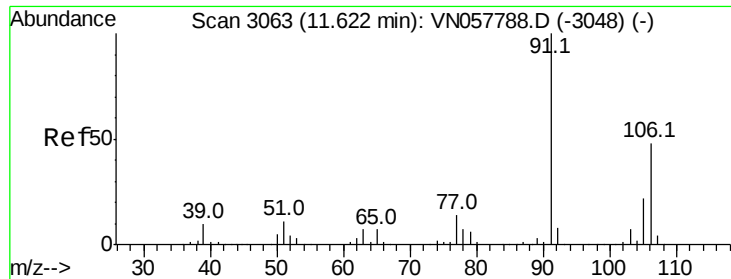
106 29.9 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

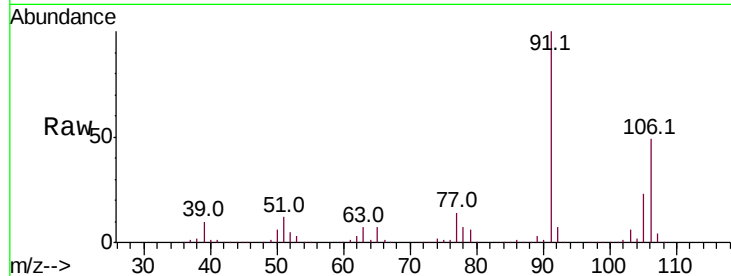




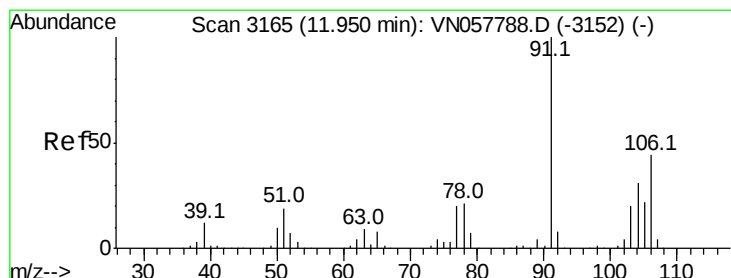
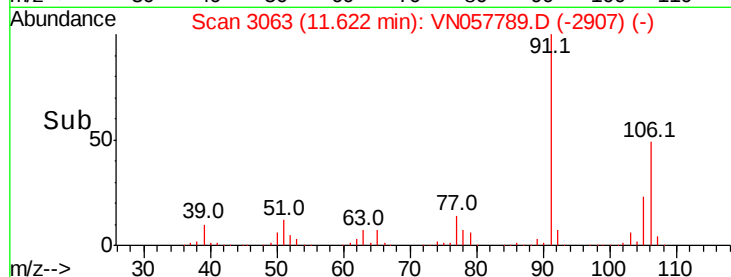
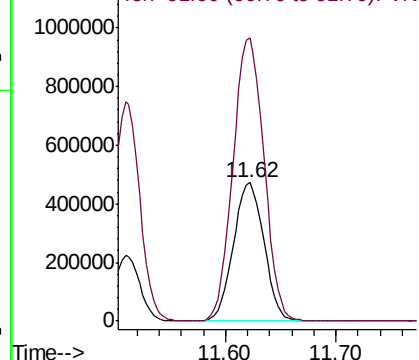
#67
m/p-Xylenes
Concen: 113.166 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion:106 Resp: 908746
Ion Ratio Lower Upper
106 100
91 207.0 166.1 249.1

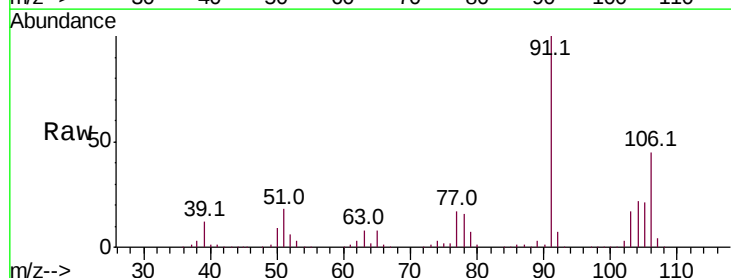


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

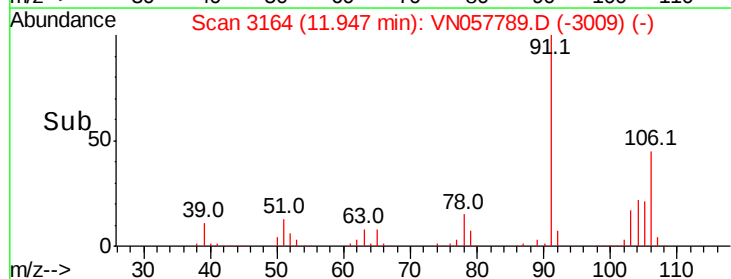
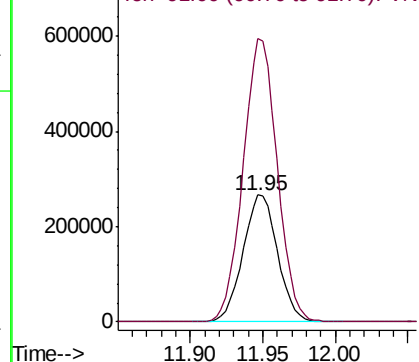


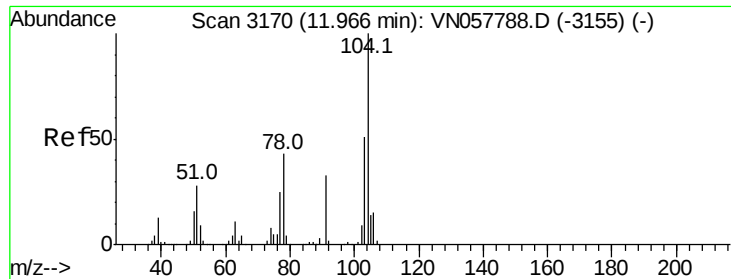
#68
o-Xylene
Concen: 50.706 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion:106 Resp: 440939
Ion Ratio Lower Upper
106 100
91 220.9 111.5 334.4



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

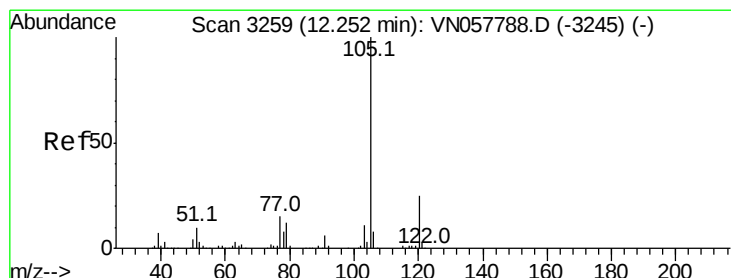
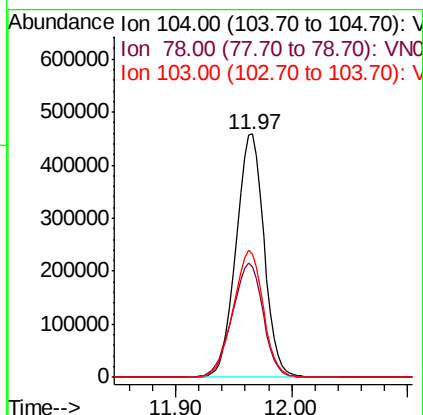
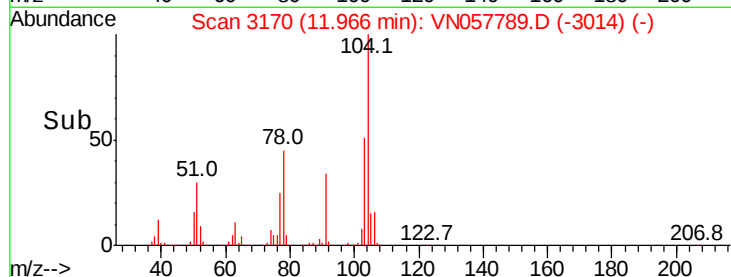
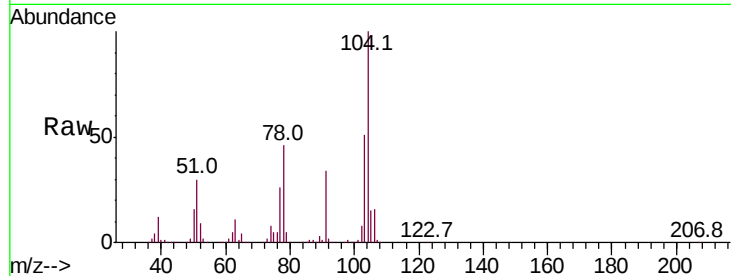




#69
Stvrene
Concen: 51.610 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

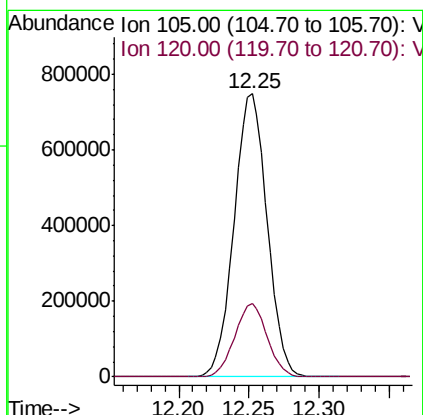
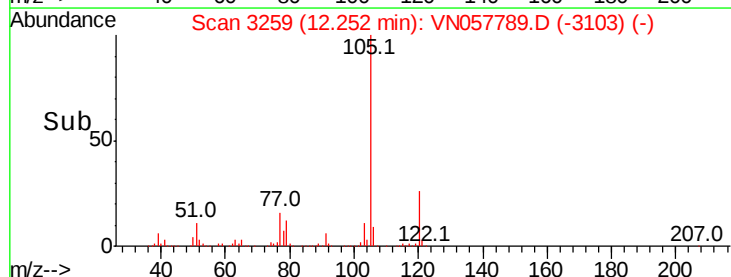
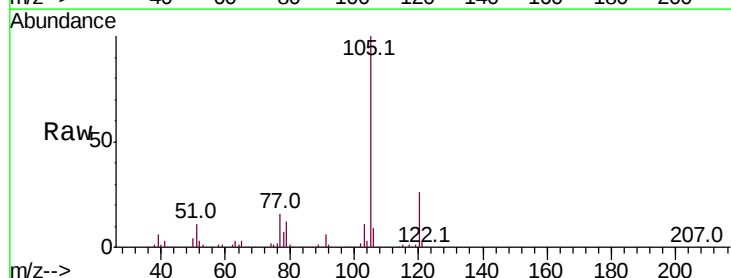
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

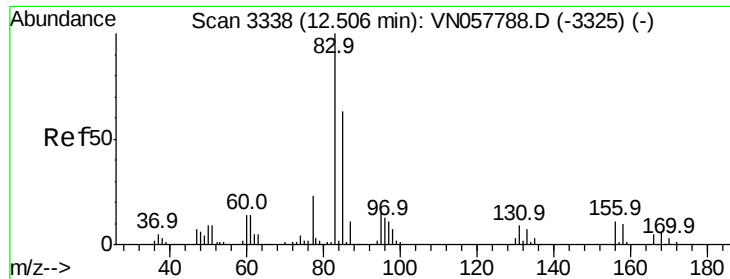
Tot Ion:104 Resp: 765210
Ion Ratio Lower Upper
104 100
78 52.2 41.5 62.3
103 55.9 44.8 67.2



#70
Isopropylbenzene
Concen: 53.413 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion:105 Resp: 1227974
Ion Ratio Lower Upper
105 100
120 25.5 17.6 32.6

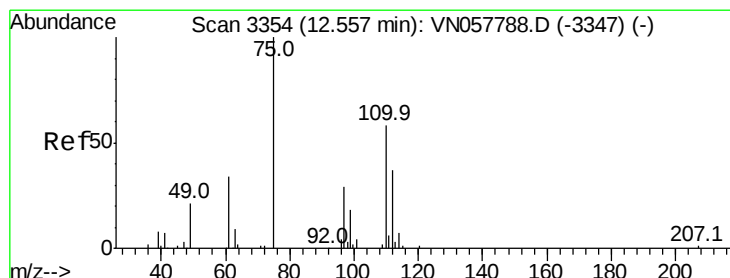
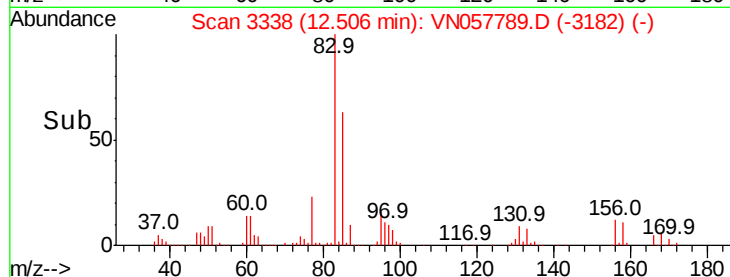
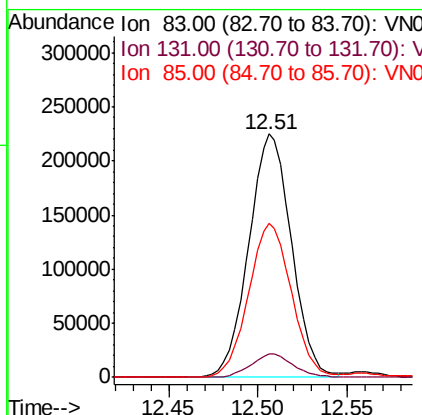
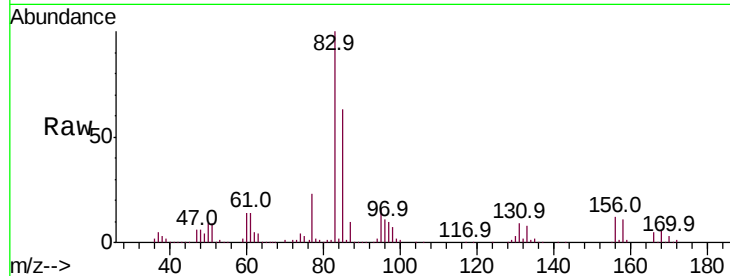




#71
 1,1,2,2-Tetrachloroethane
 Concen: 52.299 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

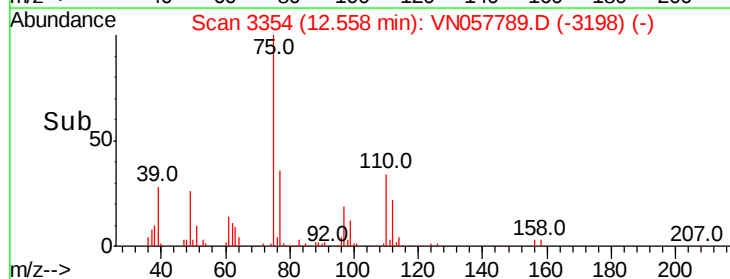
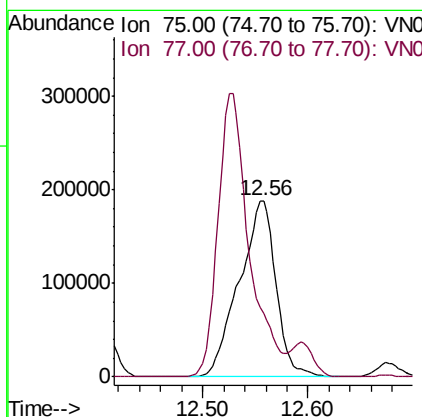
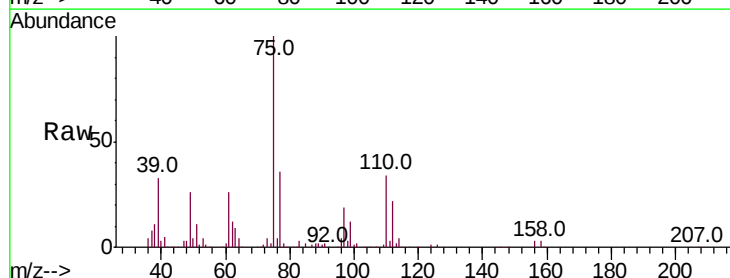
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

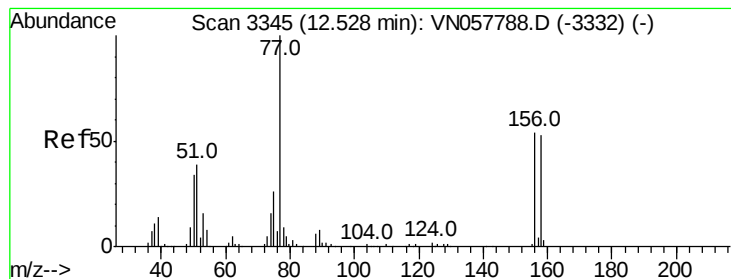
Tot Ion	83	Resp	375767
Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.9	14.6
85	63.6	32.1	96.3



#72
 1,2,3-Trichloropropane
 Concen: 72.611 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Tgt Ion	75	Resp	456545
Ion	Ratio	Lower	Upper
75	100		
77	135.9	0.0	351.6





#73

Bromobenzene

Concen: 50.102 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

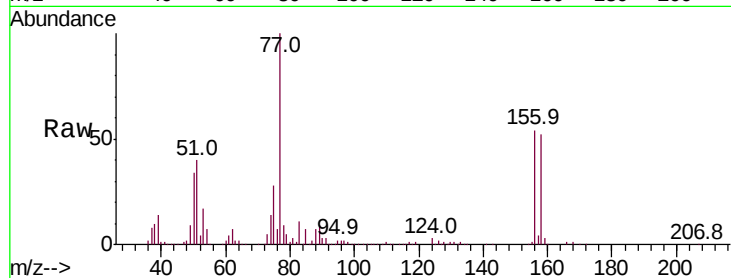
Tot Ion:156 Resp: 275760

Ion Ratio Lower Upper

156 100

77 224.9 0.0 446.6

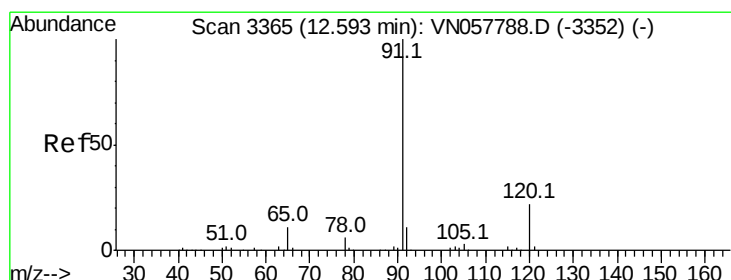
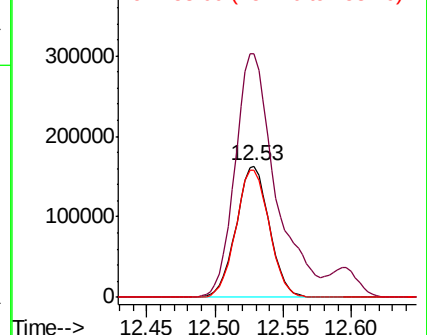
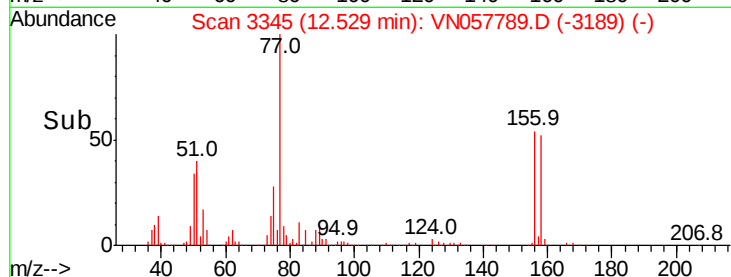
158 97.5 0.0 197.2



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: 54.687 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057789.D

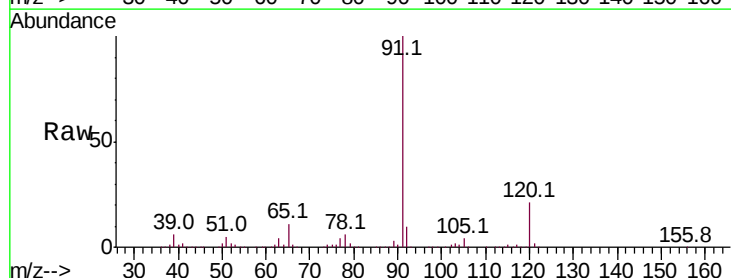
Acq: 9 Sep 2019 9:56

Tgt Ion: 91 Resp: 1436416

Ion Ratio Lower Upper

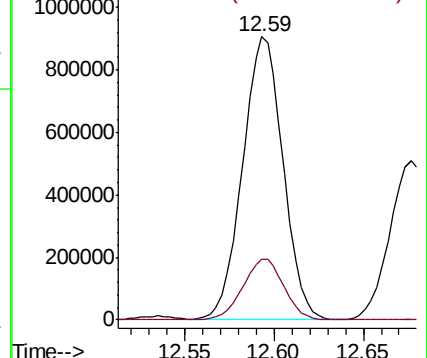
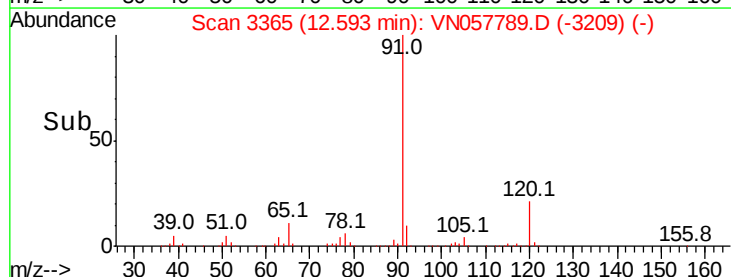
91 100

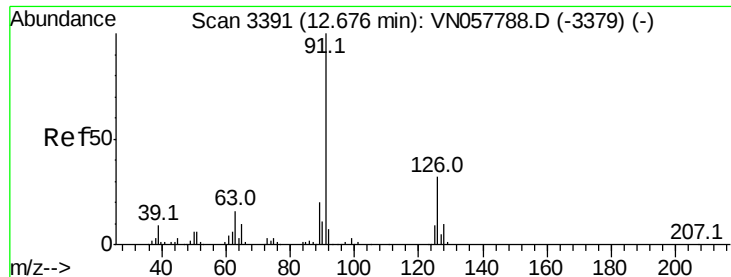
120 21.7 0.0 43.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 51.395 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

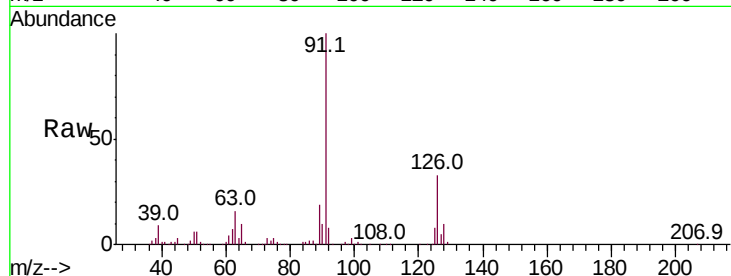
VSTDIC050

Tot Ion: 91 Resp: 840835

Ion Ratio Lower Upper

91 100

126 32.6 0.0 64.8



Abundance Ion 91.00 (90.70 to 91.70): VN057788.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN057788.D (-3379) (-)

600000

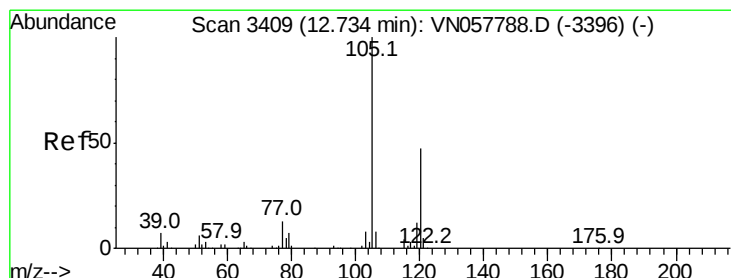
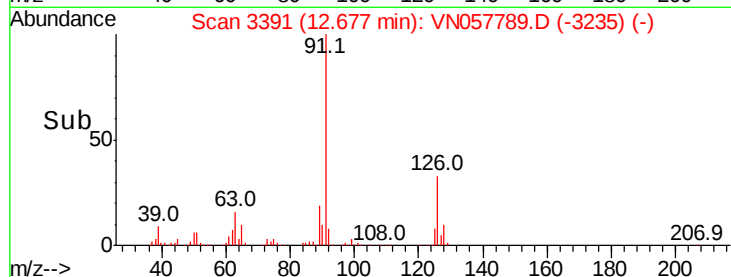
400000

200000

0

12.65 12.68 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 53.083 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057789.D

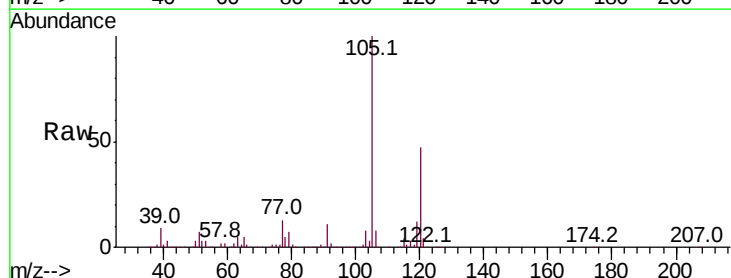
Acq: 9 Sep 2019 9:56

Tgt Ion:105 Resp: 1039186

Ion Ratio Lower Upper

105 100

120 47.2 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN057788.D (-3396) (-)

Ion 120.00 (119.70 to 120.70): VN057788.D (-3396) (-)

600000

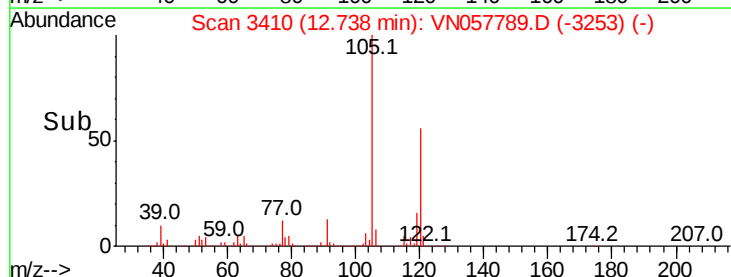
400000

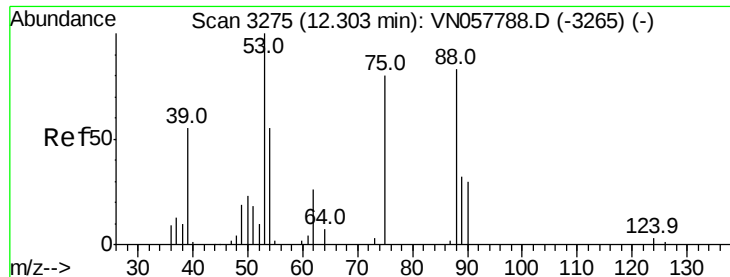
200000

0

12.70 12.74 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 53.882 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

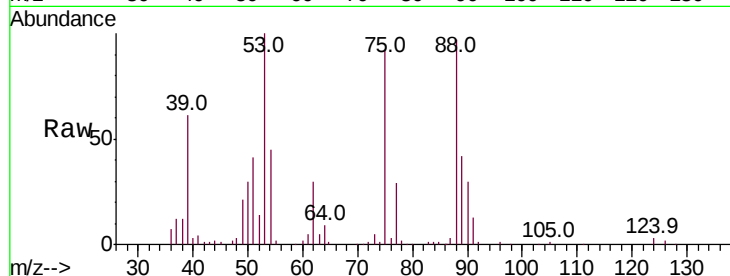
Tot Ion: 75 Resp: 101940

Ion Ratio Lower Upper

75 100

53 108.3 62.7 188.2

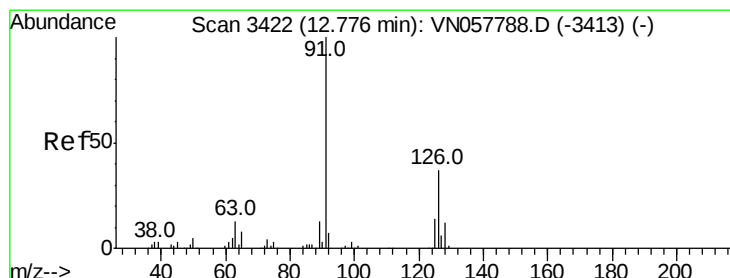
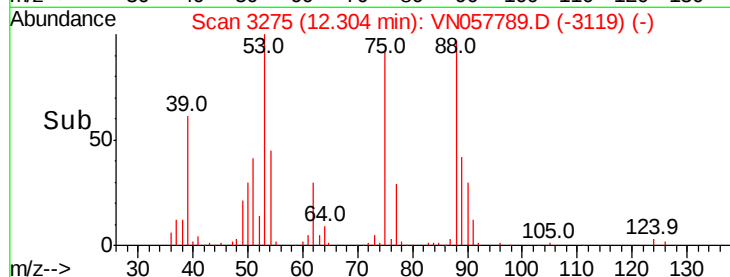
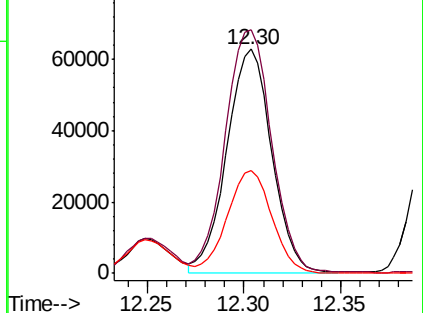
89 46.2 22.8 68.3



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: 52.601 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057789.D

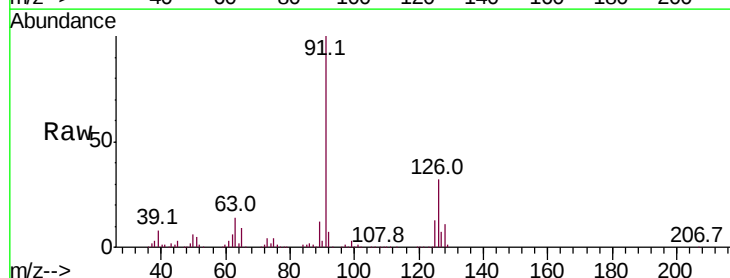
Acq: 9 Sep 2019 9:56

Tgt Ion: 91 Resp: 877802

Ion Ratio Lower Upper

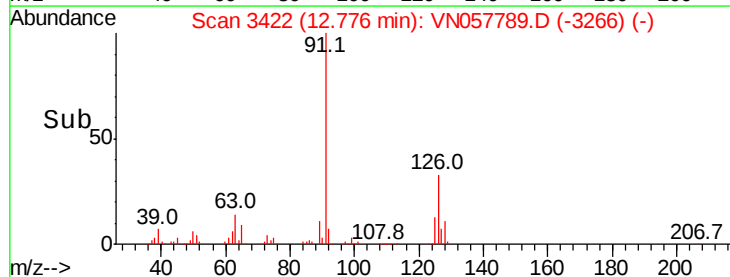
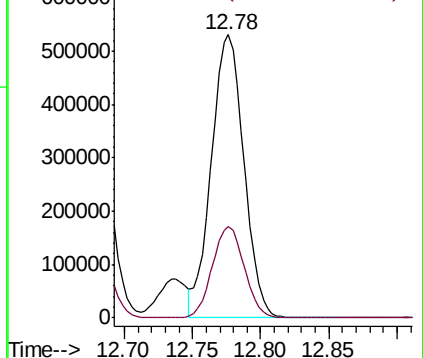
91 100

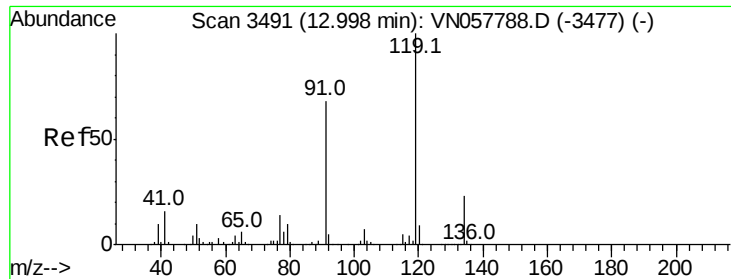
126 31.8 0.0 65.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

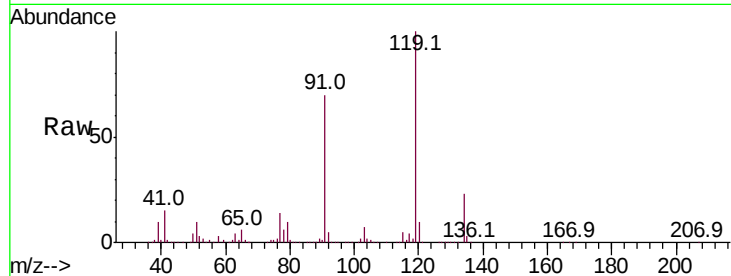




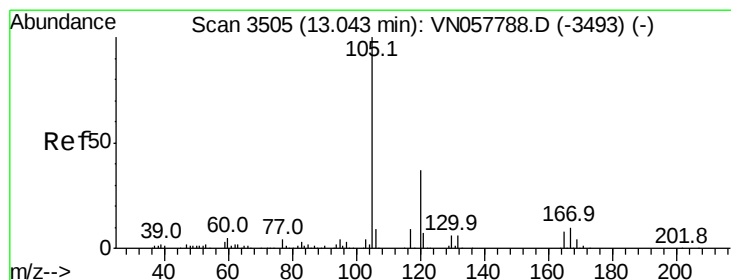
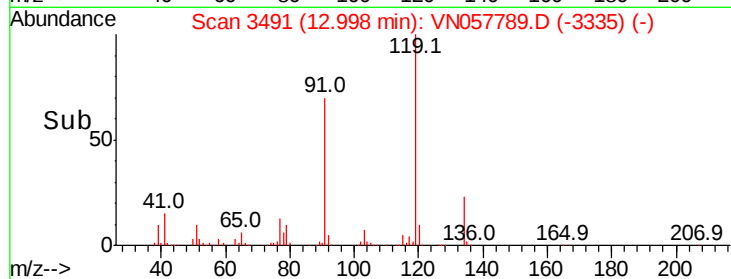
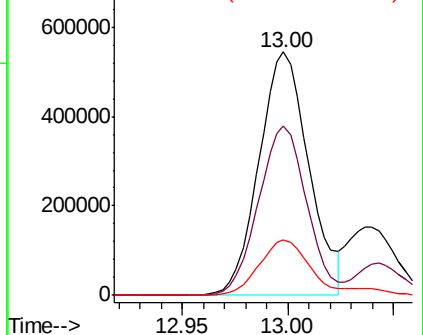
#79
tert-butylbenzene
Concen: 52.455 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:119 Resp: 895871
Ion Ratio Lower Upper
119 100
91 67.6 0.0 133.8
134 22.9 0.0 46.4

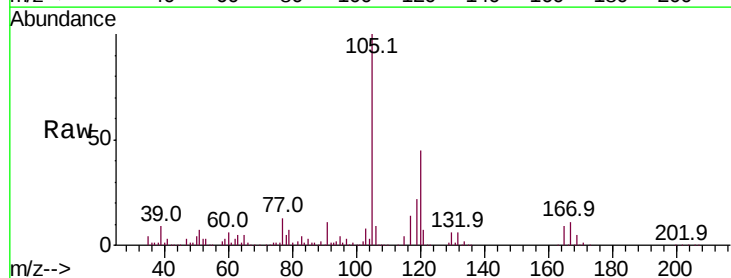


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

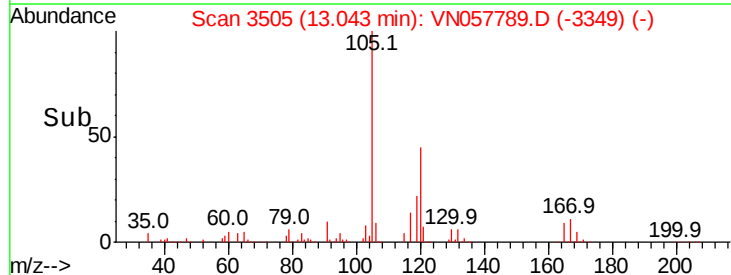
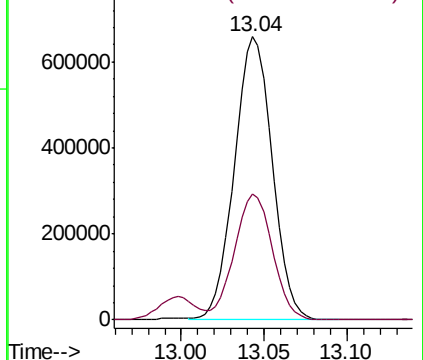


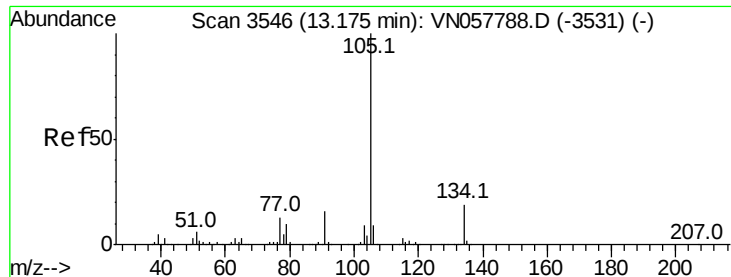
#80
1,2,4-Trimethylbenzene
Concen: 53.728 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion:105 Resp: 1048016
Ion Ratio Lower Upper
105 100
120 44.8 0.0 87.8



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





#81

sec-Butylbenzene

Concen: 54.098 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

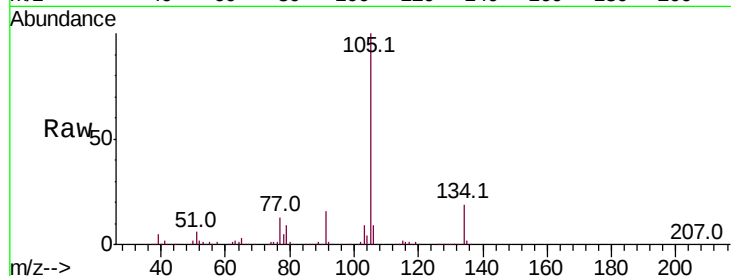
VSTDIC050

Tot Ion:105 Resp: 1225865

Ion Ratio Lower Upper

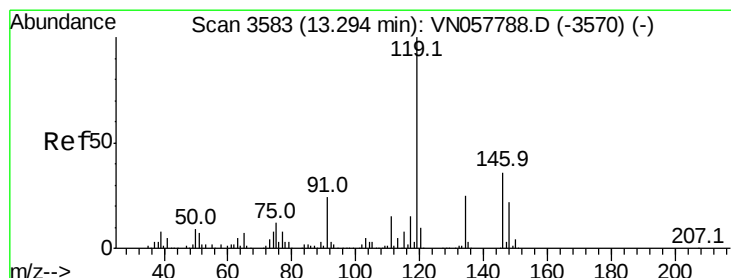
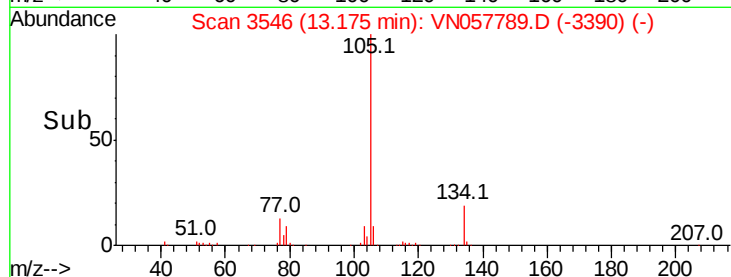
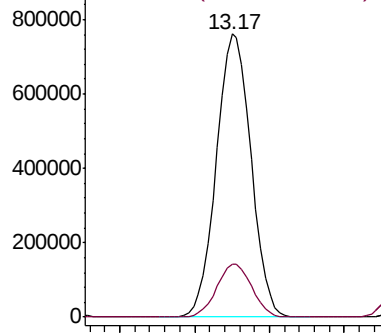
105 100

134 19.0 0.0 37.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 54.639 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

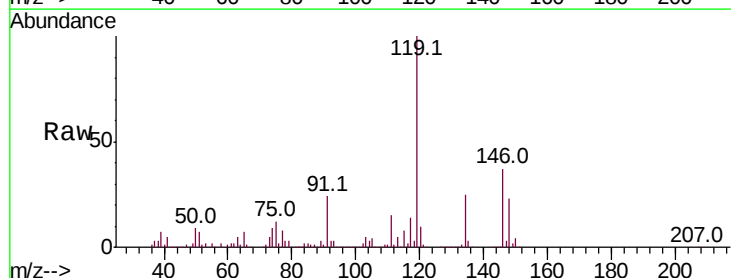
Tgt Ion:119 Resp: 1108801

Ion Ratio Lower Upper

119 100

134 25.4 0.0 50.4

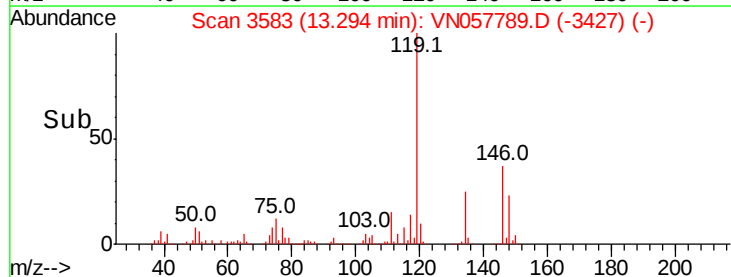
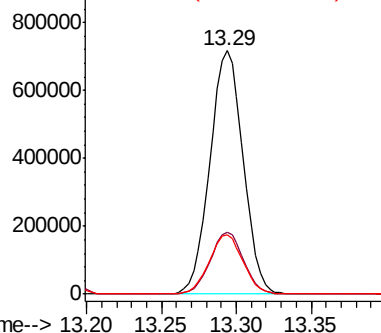
91 24.4 0.0 48.8

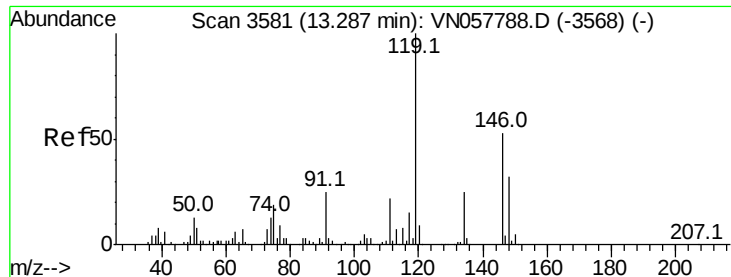


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

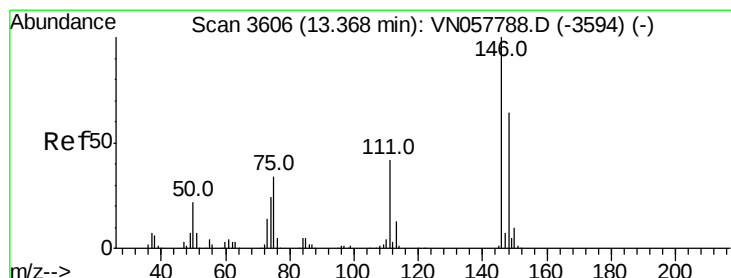
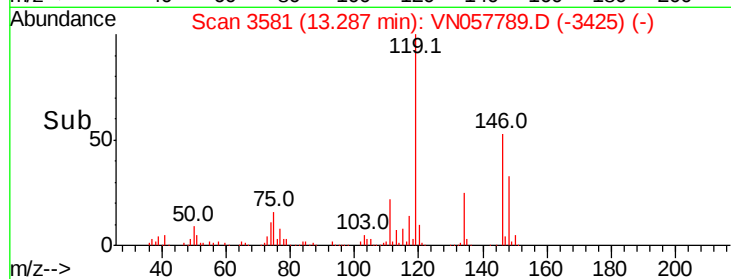
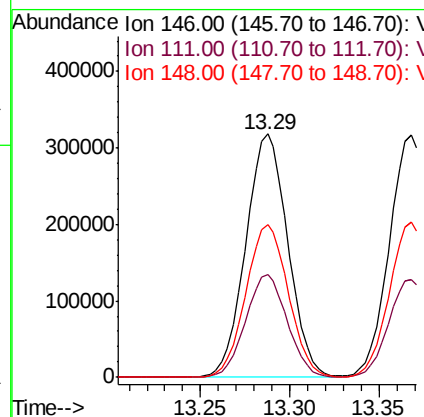
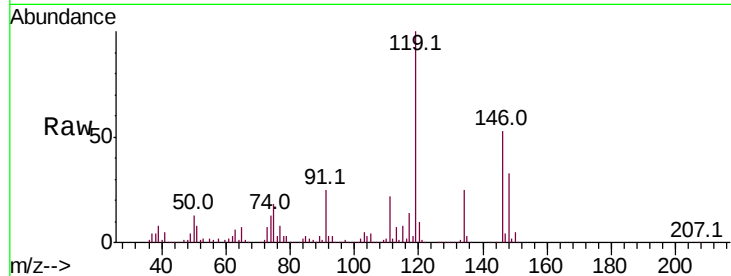




#83
 1,3-Dichlorobenzene
 Concen: 51.401 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

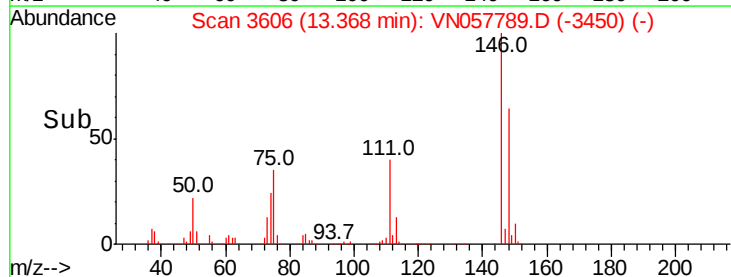
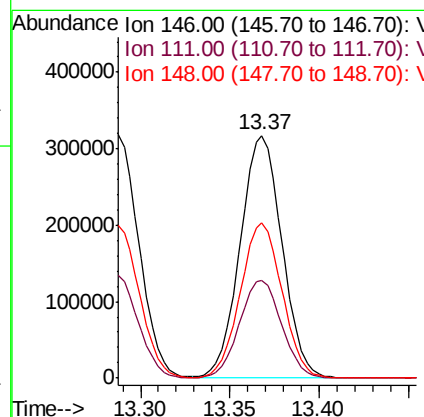
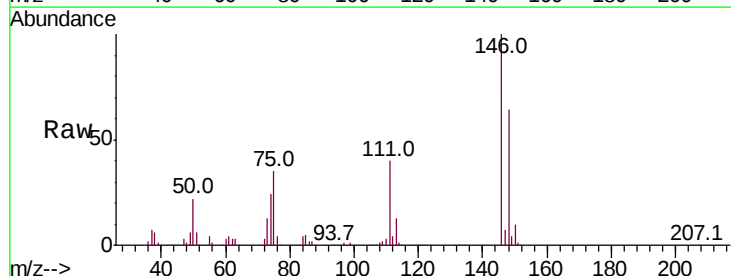
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

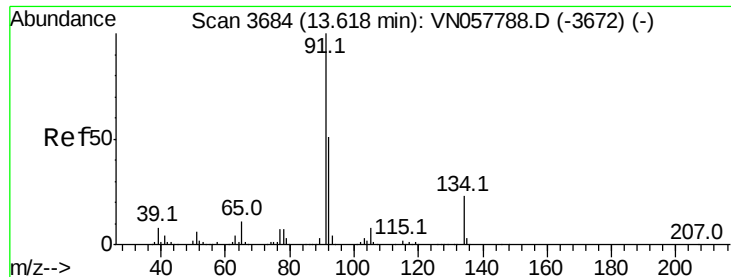
Tot Ion:146 Resp: 525865
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.7 62.1
 148 63.4 30.9 92.5



#84
 1,4-Dichlorobenzene
 Concen: 51.374 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Tgt Ion:146 Resp: 517452
 Ion Ratio Lower Upper
 146 100
 111 40.7 21.1 63.4
 148 64.2 31.7 95.1

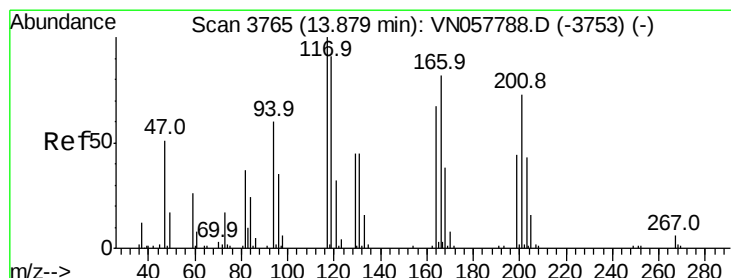
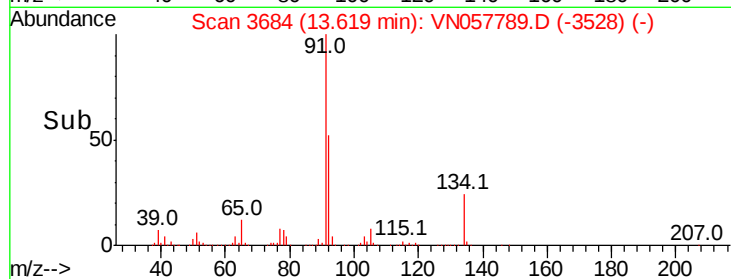
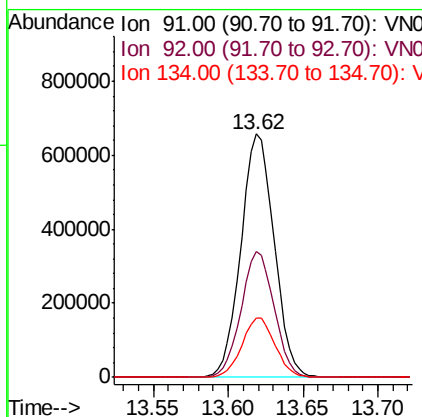
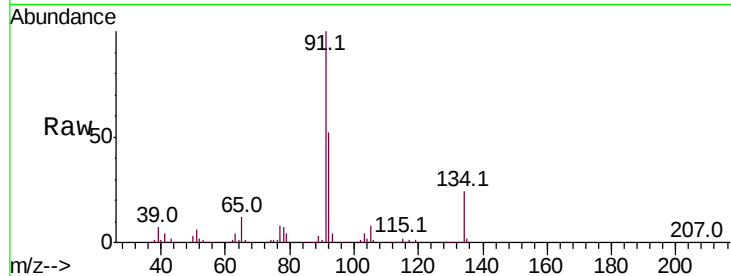




#85
n-Butylbenzene
Concen: 53.889 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

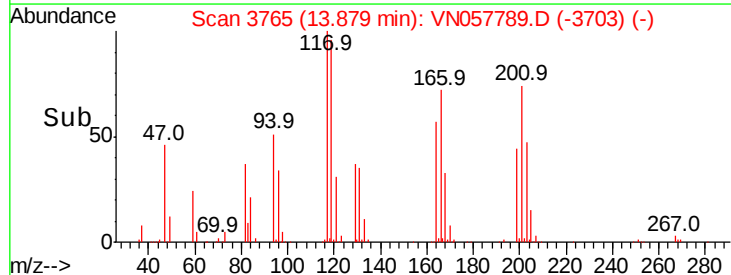
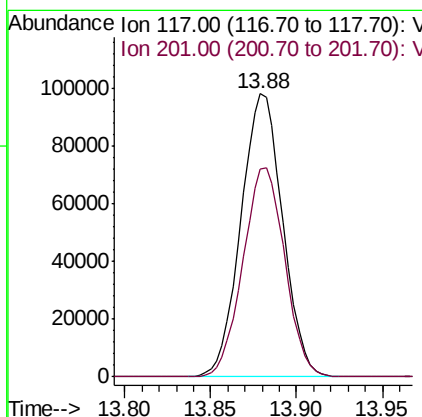
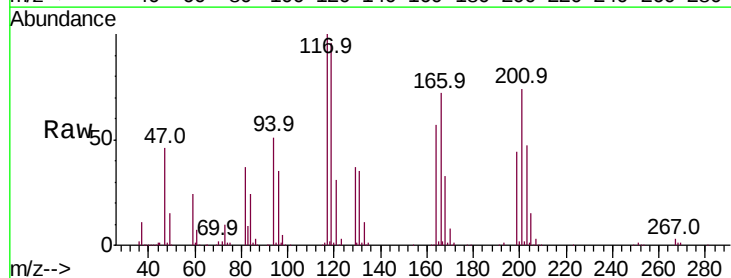
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

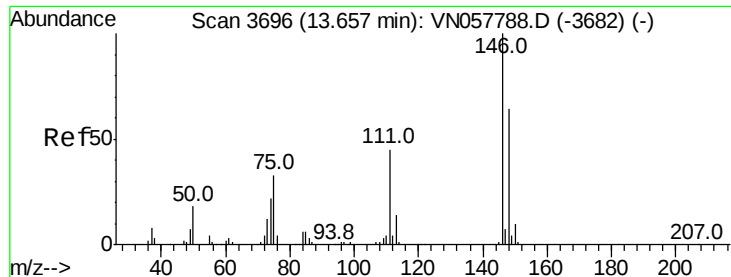
Tot Ion: 91 Resp: 1019186
Ion Ratio Lower Upper
91 100
92 51.3 0.0 100.0
134 24.2 0.0 46.6



#86
Hexachloroethane
Concen: 51.007 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion: 117 Resp: 164873
Ion Ratio Lower Upper
117 100
201 74.1 36.7 110.1

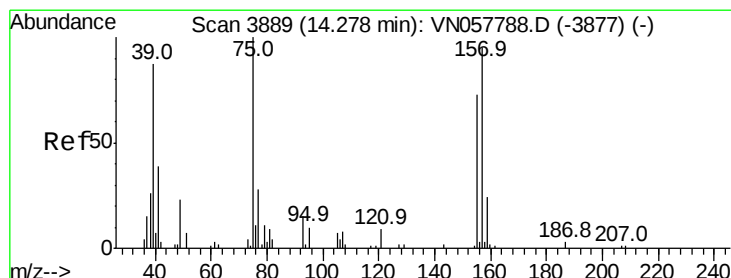
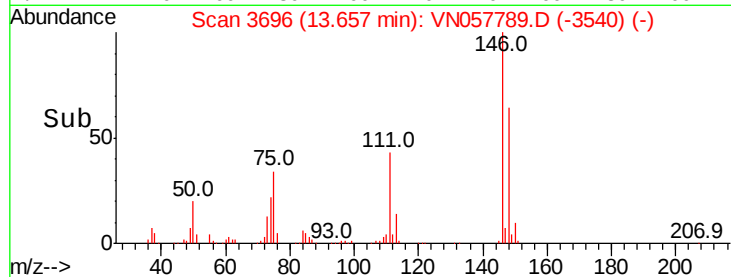
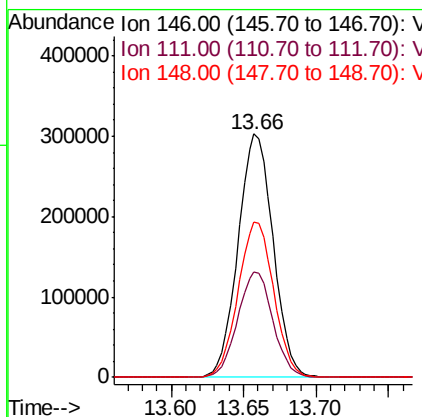
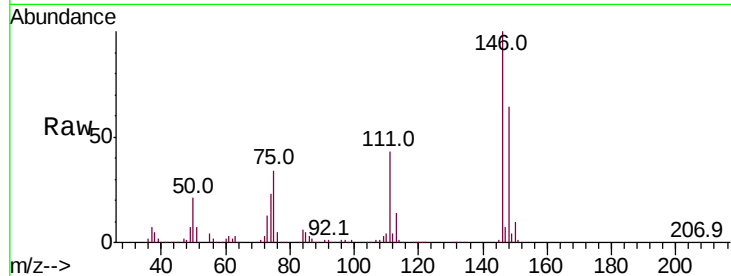




#87
 1,2-Dichlorobenzene
 Concen: 51.295 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

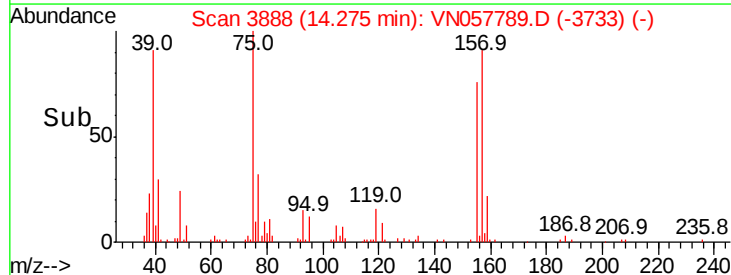
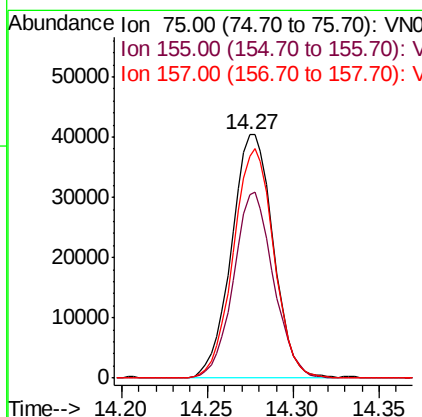
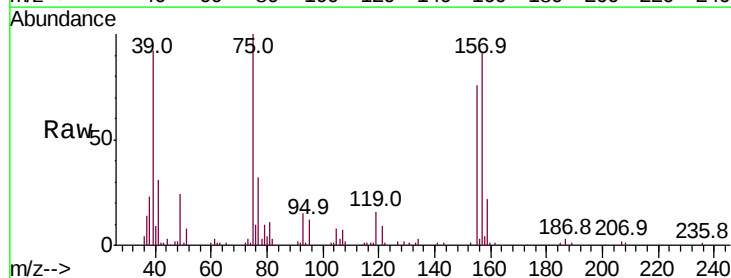
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

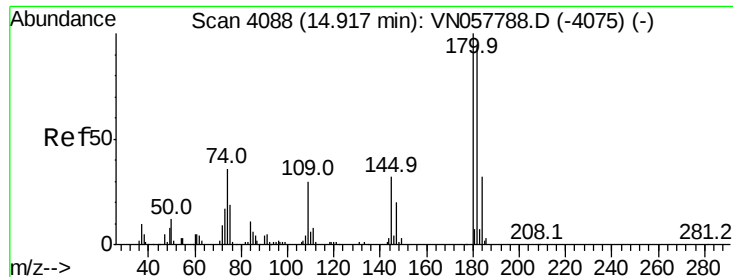
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	22.2	66.6
148	64.7	32.1	96.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 54.116 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.9	59.4	89.2
157	91.3	74.6	112.0

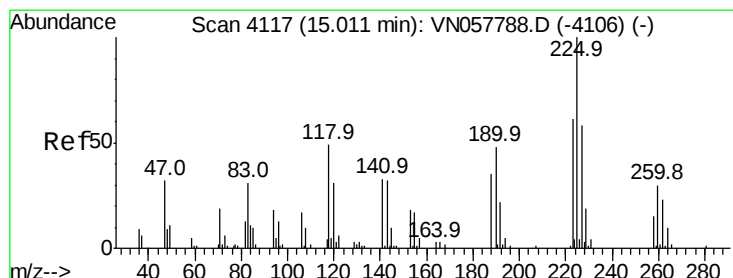
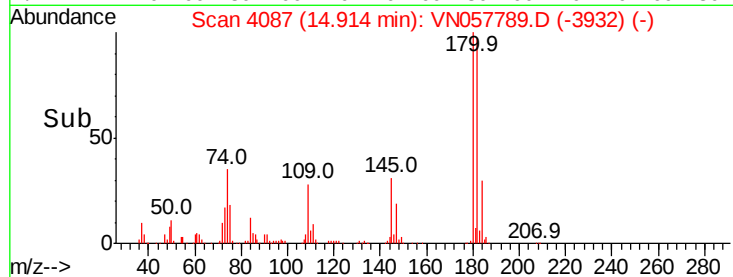
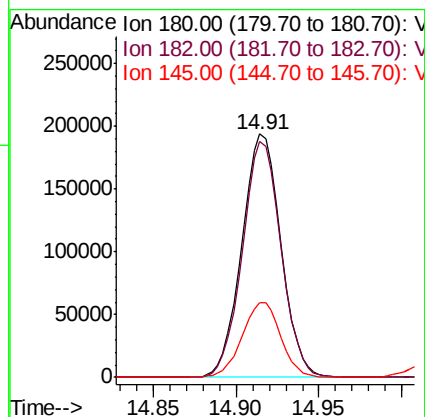
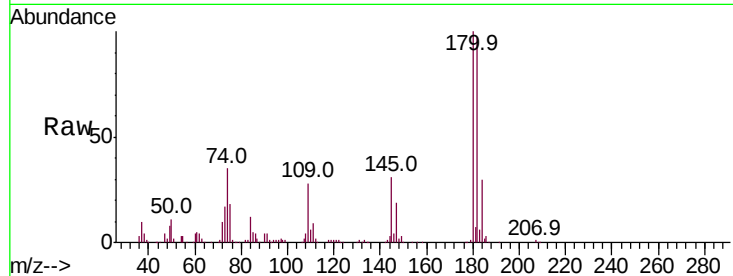




#89
 1,2,4-Trichlorobenzene
 Concen: 52.282 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

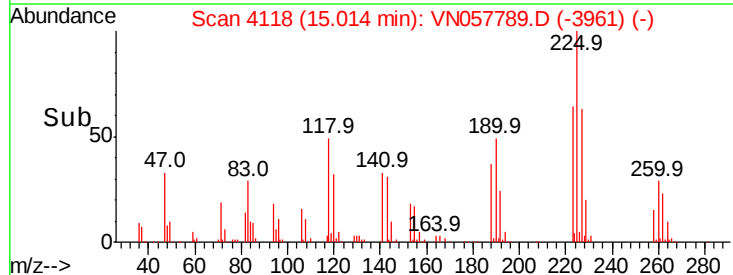
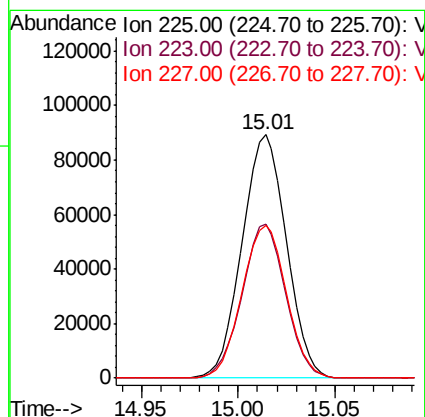
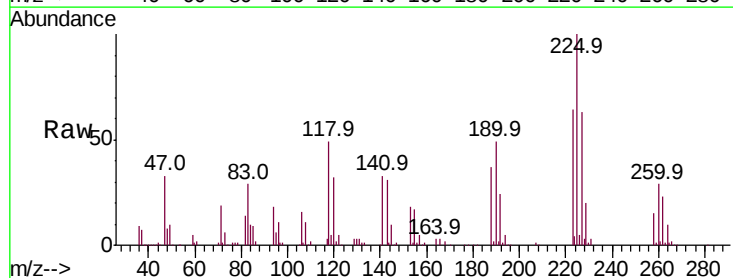
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

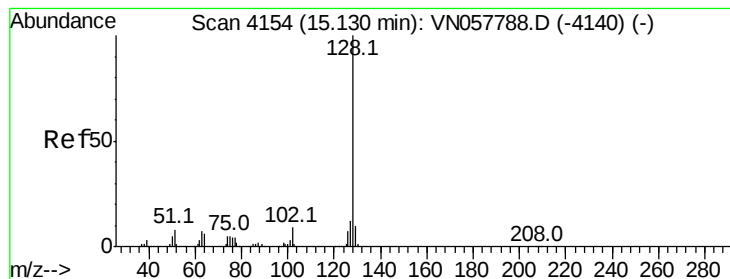
Tot Ion:180 Resp: 317166
 Ion Ratio Lower Upper
 180 100
 182 96.0 77.0 115.4
 145 30.4 26.1 39.1



#90
 Hexachlorobutadiene
 Concen: 51.141 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Tgt Ion:225 Resp: 142481
 Ion Ratio Lower Upper
 225 100
 223 62.2 0.0 125.0
 227 62.8 0.0 123.8





#91

Naphthalene

Concen: 54.696 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

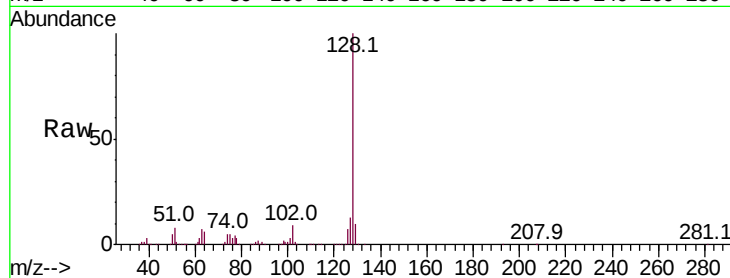
Tot Ion:128 Resp: 912963

Ion Ratio Lower Upper

128 100

127 12.8 9.9 14.9

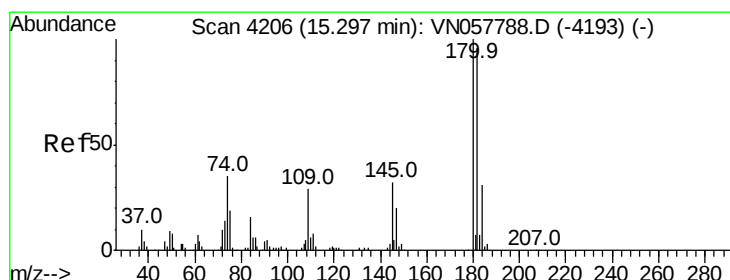
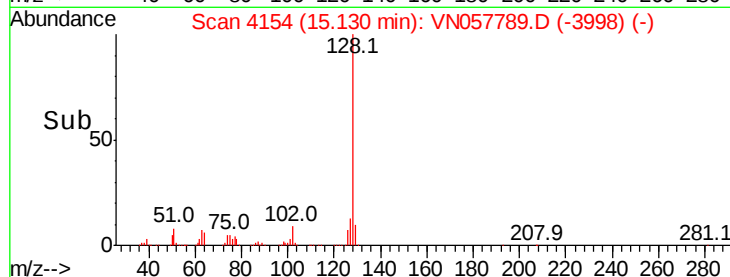
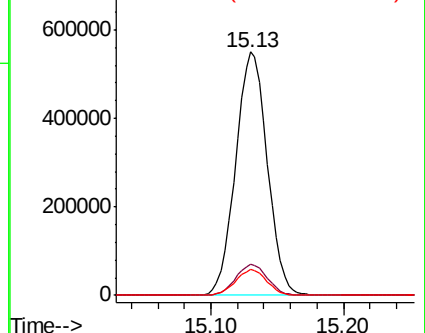
129 10.5 8.1 12.1



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: 51.658 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

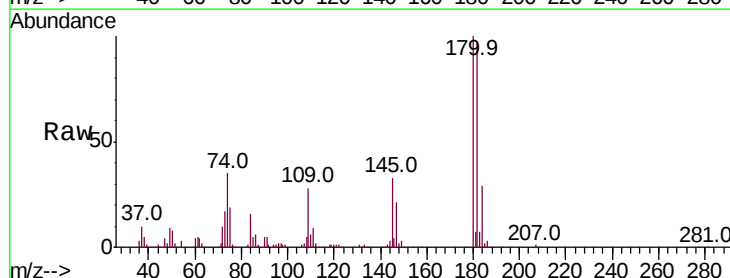
Tgt Ion:180 Resp: 298864

Ion Ratio Lower Upper

180 100

182 95.4 0.0 189.8

145 32.8 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

