

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
 Data File : VN057586.D
 Acq On : 30 Aug 2019 13:53
 Operator : JC/SP
 Sample : VN0830WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBSD01

Quant Time: Aug 31 00:06:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Aug 31 00:00:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	84029	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	501081	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	436023	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	204555	31.59	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.30%
60) 4-Bromofluorobenzene	12.40	95	187292	28.25	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.17%
63) Toluene-d8	10.09	98	612841	30.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.17%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	91149	20.395	ug/l 94
3) Chloromethane	2.06	50	87230	22.060	ug/l 98
4) Vinyl Chloride	2.19	62	134018	21.845	ug/l 97
5) Bromomethane	2.56	94	123789	21.964	ug/l 99
6) Chloroethane	2.70	64	92757	22.337	ug/l 97
7) Trichlorofluoromethane	3.01	101	305043	22.503	ug/l 99
8) Diethyl Ether	3.40	74	98945	22.687	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	182705	22.518	ug/l 94
10) 1,1-Dichloroethene	3.72	96	168599	22.620	ug/l 97
11) Methyl Iodide	3.93	142	283674	22.016	ug/l 98
12) Methyl Acetate	4.32	43	87240	21.708	ug/l 94
13) Acrolein	3.60	56	52453	102.424	ug/l 91
14) Acrylonitrile	4.97	53	168204	106.529	ug/l # 88
15) Acetone	3.81	58	82643	96.976	ug/l 96
16) Carbon Disulfide	4.03	76	156433	20.117	ug/l 96
17) Allyl chloride	4.30	41	110014	20.687	ug/l 93
18) Methylene Chloride	4.53	84	90726	21.187	ug/l 98
19) trans-1,2-Dichloroethene	5.02	96	90770	21.325	ug/l 95
20) Diisopropyl ether	5.94	45	271960	21.415	ug/l 98
21) 1,1-Dichloroethane	5.83	63	170583	21.274	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	115530	20.367	ug/l 98
23) tert-Butyl Alcohol	4.80	59	64146	109.546	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	291611	21.260	ug/l 98
25) Chloroform	7.36	83	203784	20.917	ug/l 99
26) Cyclohexane	7.64	56	140954	21.082	ug/l # 98
29) 1,1-Dichloropropene	7.78	75	134029	19.764	ug/l 99
30) 2-Butanone	6.83	43	227008	103.213	ug/l 99
31) 2,2-Dichloropropane	6.81	77	156344	19.272	ug/l 96
32) 1,1,1-Trichloroethane	7.55	97	177738	19.549	ug/l 98
33) Carbon Tetrachloride	7.76	117	149171	19.337	ug/l 97
34) Benzene	8.03	78	411087	20.220	ug/l 99
35) Methacrylonitrile	7.16	41	39323	18.064	ug/l 94
36) 1,2-Dichloroethane	8.11	62	160504	21.398	ug/l 99
37) Trichloroethene	8.82	130	113367	19.253	ug/l 91
38) Methylcyclohexane	9.07	83	163247	19.764	ug/l 98
39) 1,2-Dichloropropane	9.11	63	105337	21.174	ug/l 99
40) Dibromomethane	9.20	93	76985	20.100	ug/l 99

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 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
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 VN0830WBSD01

Quant Time: Aug 31 00:06:36 2019
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	155567	19.825	ug/l	96
42) Vinyl Acetate	5.88	43	1074853	109.997	ug/l	100
43) Ethyl Acetate	6.92	43	99770	23.520	ug/l #	87
44) Isopropyl Acetate	8.16	43	179631	21.169	ug/l	99
45) 1,4-Dioxane	9.19	88	30321	415.004	ug/l #	90
46) Methyl methacrylate	9.19	41	83384	21.187	ug/l	97
47) n-amyl Acetate	12.07	43	142365	20.266	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	142912	18.348	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	164478	19.498	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	107454	19.657	ug/l	96
51) Ethyl methacrylate	10.43	69	141836	19.935	ug/l	96
52) 1,3-Dichloropropane	10.71	76	171863	20.177	ug/l	97
53) Dibromochloromethane	10.90	129	111720	18.152	ug/l	99
54) 1,2-Dibromoethane	11.00	107	111898	19.749	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	163607	93.685	ug/l	98
56) Bromoform	12.13	173	70450	17.504	ug/l #	95
58) 4-Methyl-2-Pentanone	9.98	43	524029	118.935	ug/l	99
59) 2-Hexanone	10.75	43	347623	111.586	ug/l	98
61) Tetrachloroethene	10.63	164	114594	20.558	ug/l	97
62) Toluene	10.15	91	478131	21.626	ug/l	99
64) Chlorobenzene	11.43	112	284634	19.992	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	110972	19.641	ug/l	99
66) Ethyl Benzene	11.51	91	518616	21.804	ug/l	99
67) m/p-Xylenes	11.62	106	386455	40.610	ug/l	99
68) o-Xylene	11.95	106	190361	19.910	ug/l	97
69) Styrene	11.96	104	301676	19.907	ug/l	100
70) Isopropylbenzene	12.25	105	522023	21.781	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	134357	21.075	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	157233	29.053	ug/l	61
73) Bromobenzene	12.53	156	119535	19.510	ug/l	98
74) n-propylbenzene	12.59	91	541702	21.925	ug/l	99
75) 2-Chlorotoluene	12.67	91	323723	20.285	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	432972	21.347	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	30725	17.925	ug/l	97
78) 4-Chlorotoluene	12.78	91	301898	19.666	ug/l	97
79) tert-butylbenzene	12.99	119	384179	20.725	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	411331	21.514	ug/l	99
81) sec-Butylbenzene	13.17	105	485187	21.532	ug/l	100
82) p-Isopropyltoluene	13.29	119	420427	21.039	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	184520	18.619	ug/l	98
84) 1,4-Dichlorobenzene	13.37	146	168844	17.764	ug/l	97
85) n-Butylbenzene	13.62	91	297329	19.106	ug/l	99
86) Hexachloroethane	13.88	117	70007	18.320	ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	180757	18.977	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	19368	20.231	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	48362	13.779	ug/l	97
90) Hexachlorobutadiene	15.01	225	58669	19.434	ug/l	95
91) Naphthalene	15.13	128	149059	15.259	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	51246	14.738	ug/l	95

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Misc : 5.00mL/MSVOA_N/WATER
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MSVOA_N
ClientSampleId :
VN0830WBSD01

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Aug 31 00:00:09 2019
Response via : Initial Calibration

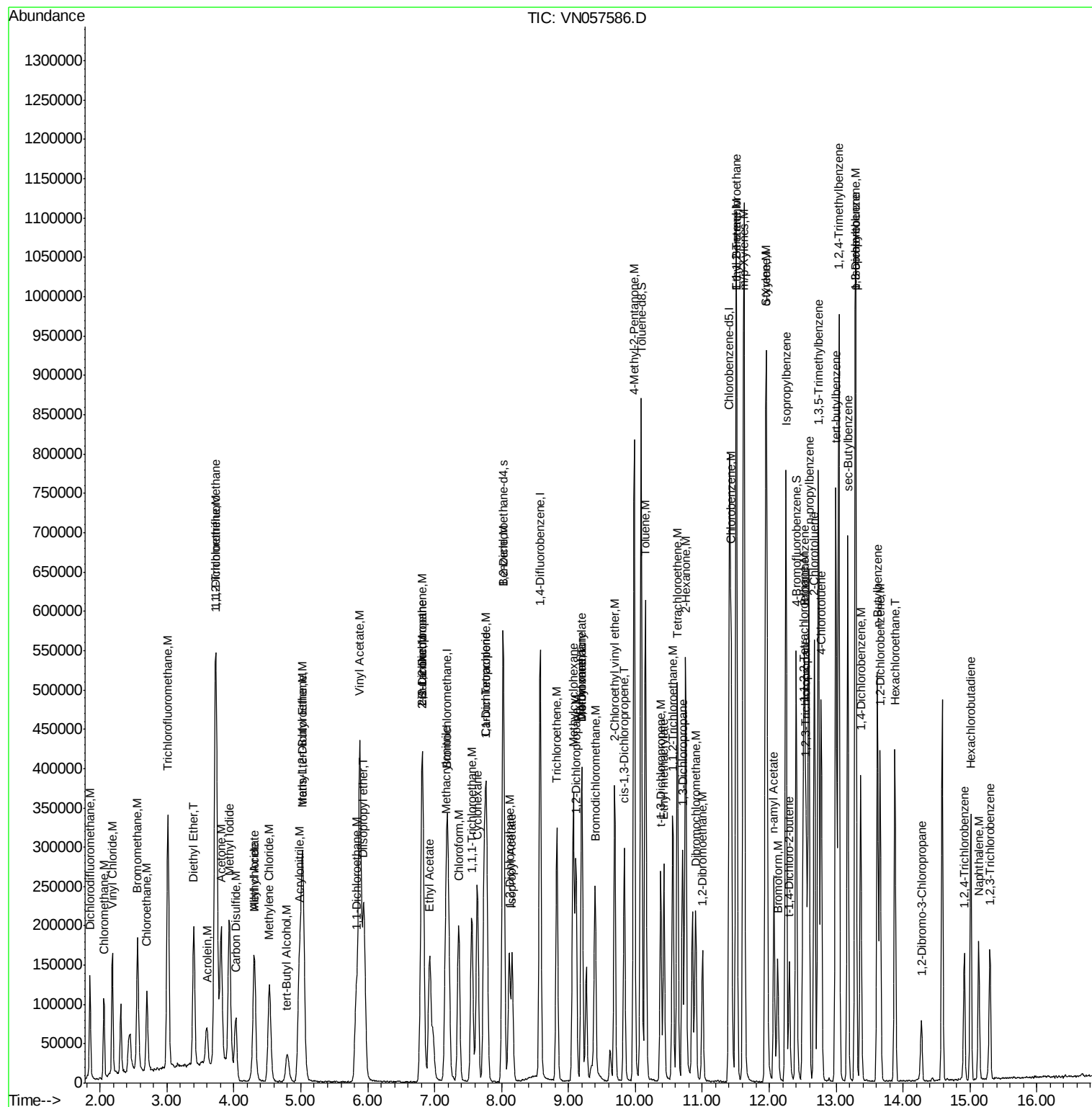
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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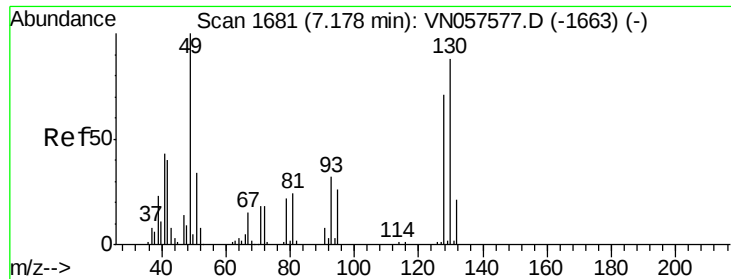
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN057586.D
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD01

Quant Time: Aug 31 00:06:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Aug 31 00:00:09 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD01

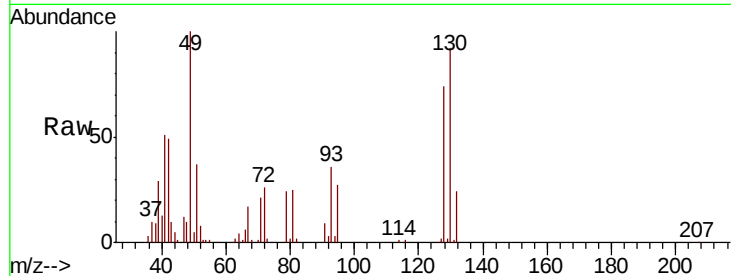
Tgt Ion:128 Resp: 84029

Ion Ratio Lower Upper

128 100

49 141.5 0.0 352.3

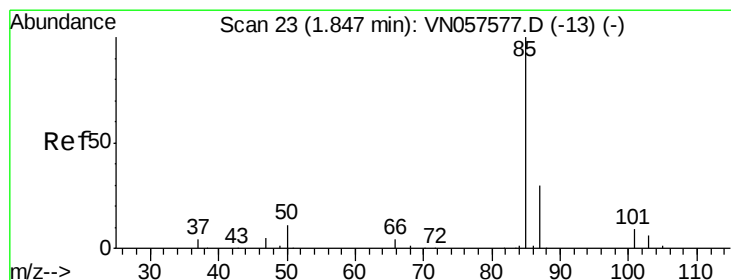
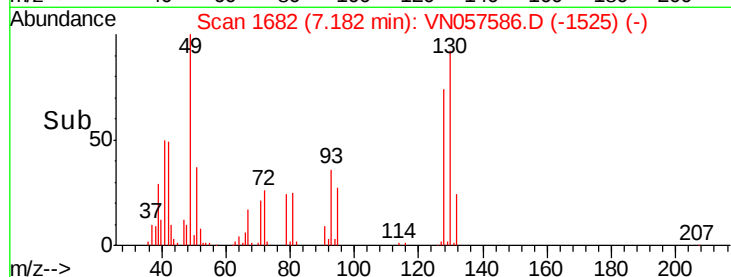
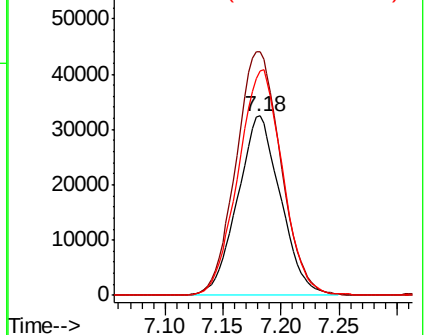
130 129.7 0.0 324.7



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: 20.395 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057586.D

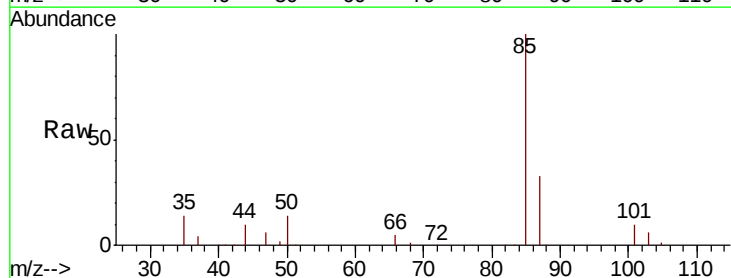
Acq: 30 Aug 2019 13:53

Tgt Ion: 85 Resp: 91149

Ion Ratio Lower Upper

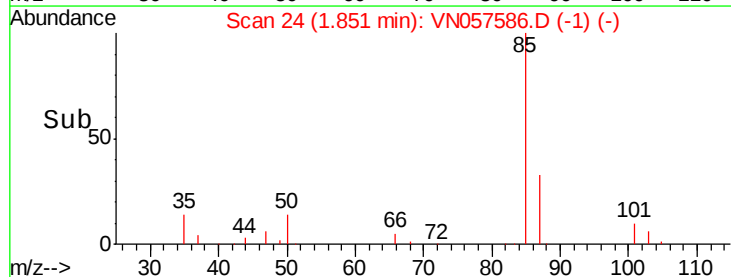
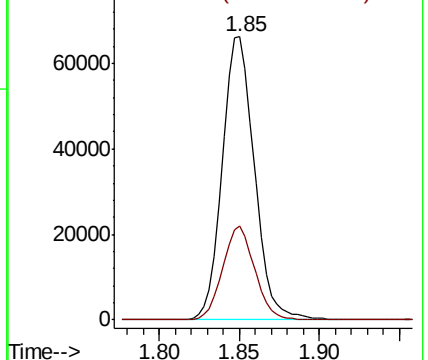
85 100

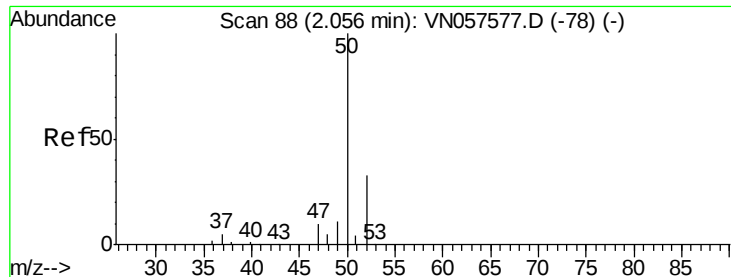
87 33.3 15.0 45.0



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 22.060 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

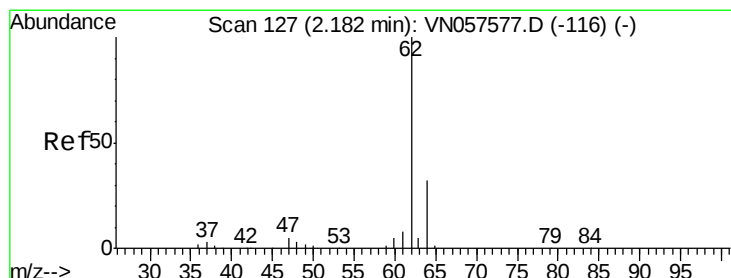
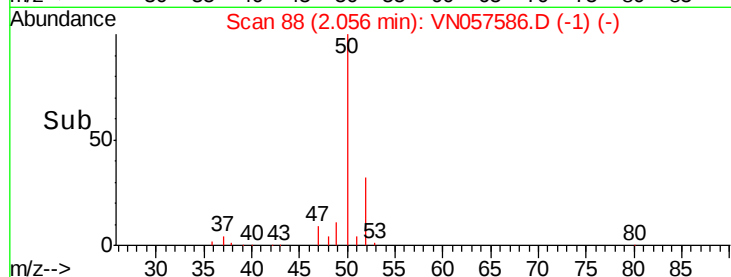
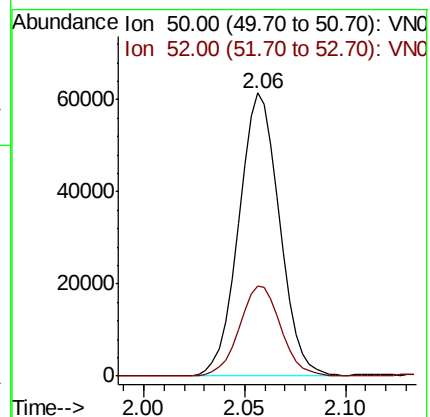
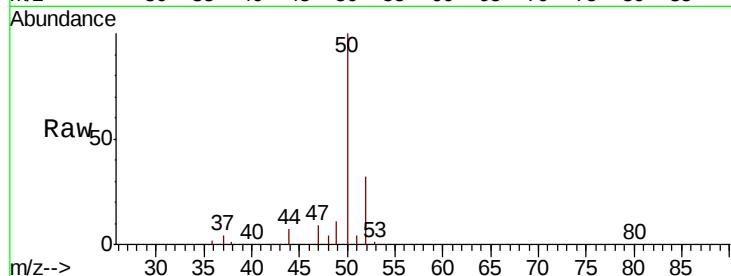
VN0830WBSD01

Tgt Ion: 50 Resp: 87230

Ion Ratio Lower Upper

50 100

52 31.8 26.2 39.2



#4

Vinyl Chloride

Concen: 21.845 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN057586.D

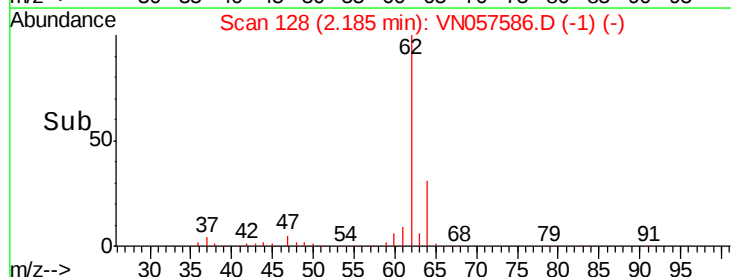
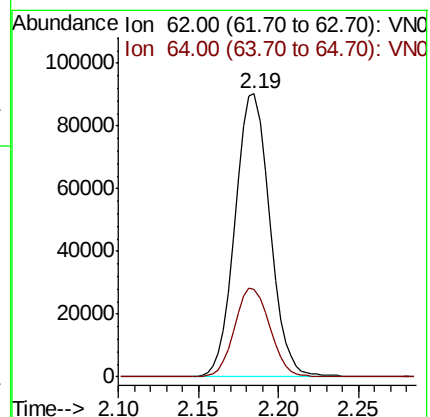
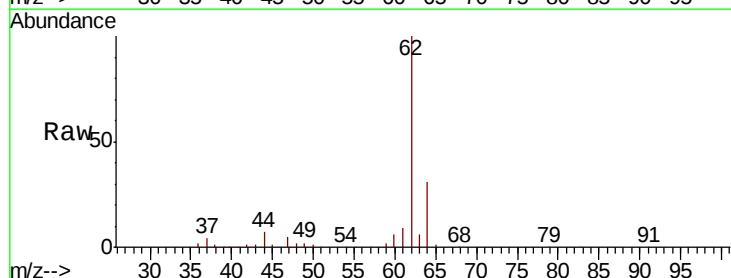
Acq: 30 Aug 2019 13:53

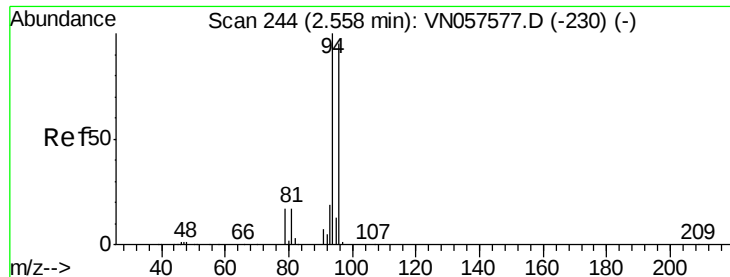
Tgt Ion: 62 Resp: 134018

Ion Ratio Lower Upper

62 100

64 30.8 25.9 38.9





#5

Bromomethane

Concen: 21.964 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

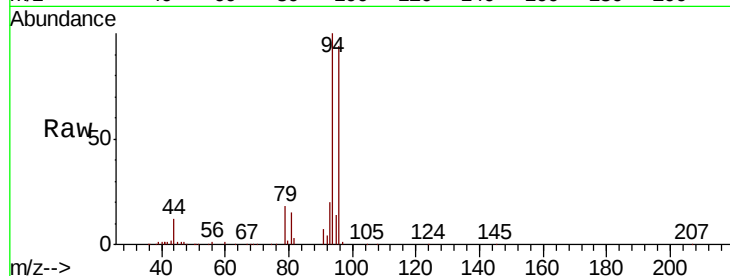
VN0830WBSD01

Tgt Ion: 94 Resp: 123789

Ion Ratio Lower Upper

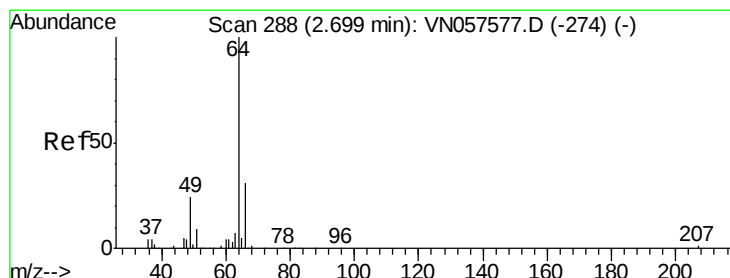
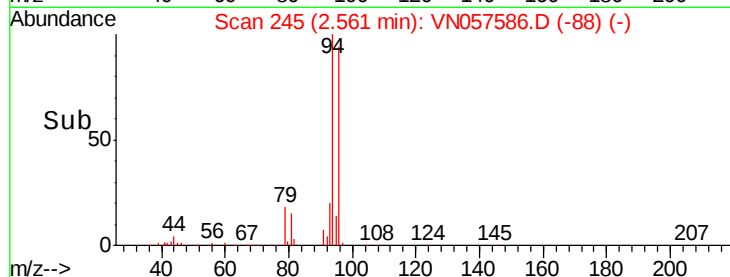
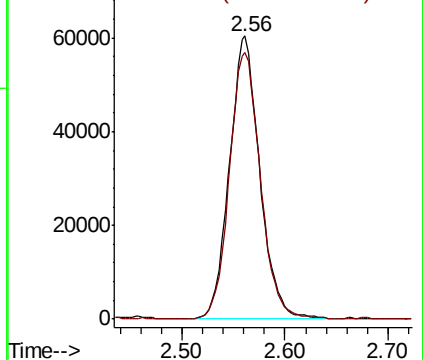
94 100

96 94.4 76.2 114.4



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 22.337 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN057586.D

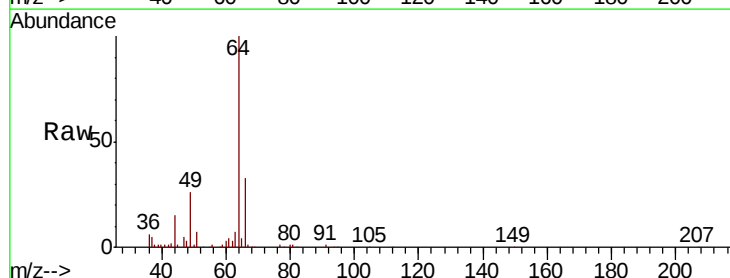
Acq: 30 Aug 2019 13:53

Tgt Ion: 64 Resp: 92757

Ion Ratio Lower Upper

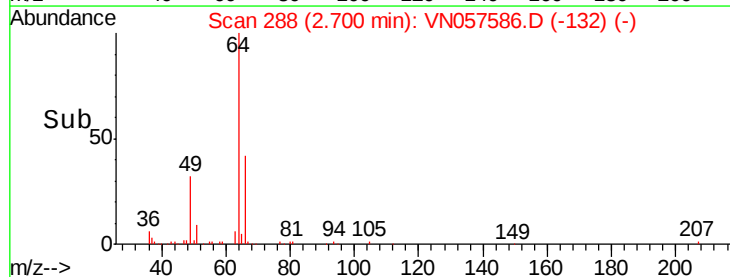
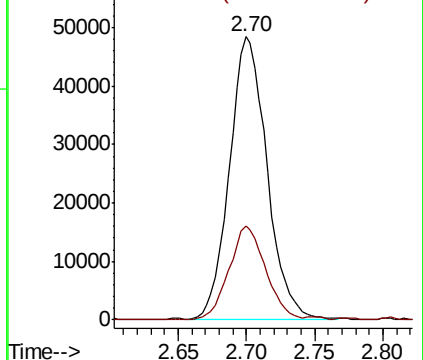
64 100

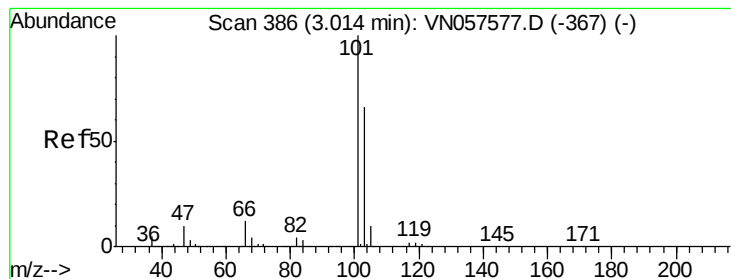
66 33.2 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



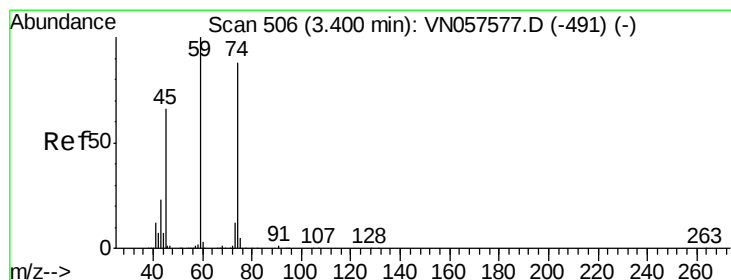
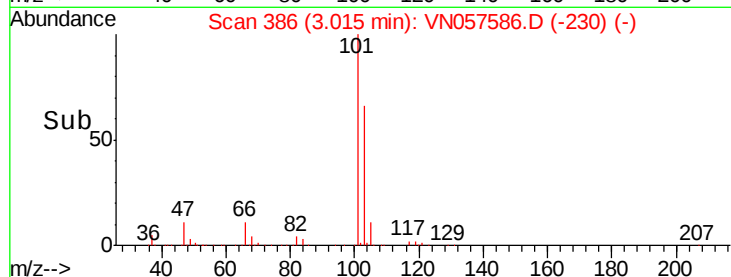
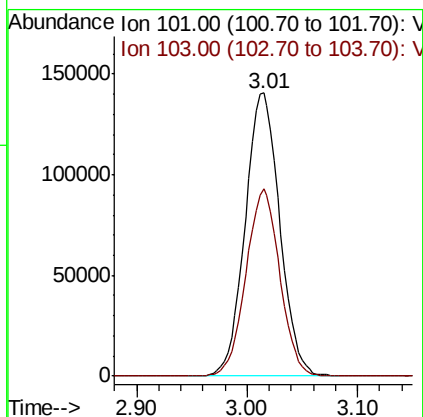
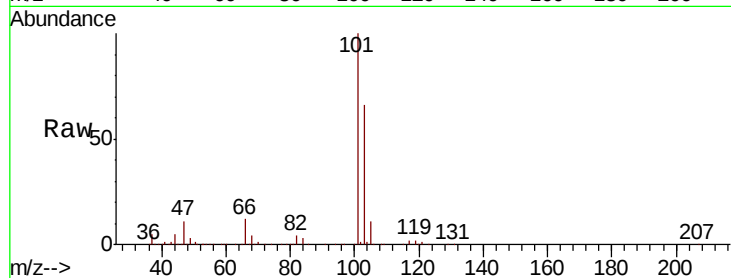


#7

Trichlorofluoromethane
 Concen: 22.503 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN057586.D
 Acq: 30 Aug 2019 13:53

Instrument :
 MSVOA_N
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 VN0830WBSD01

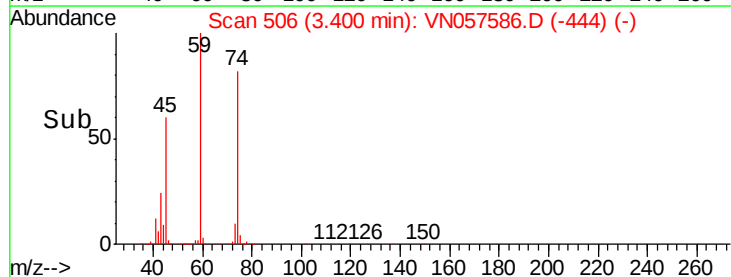
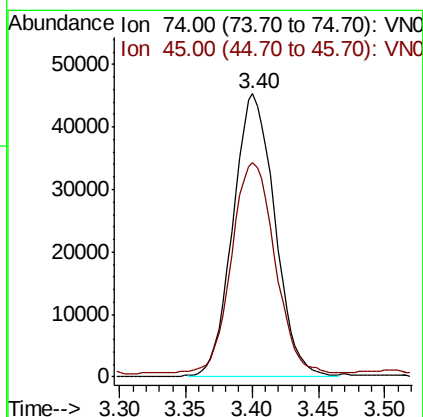
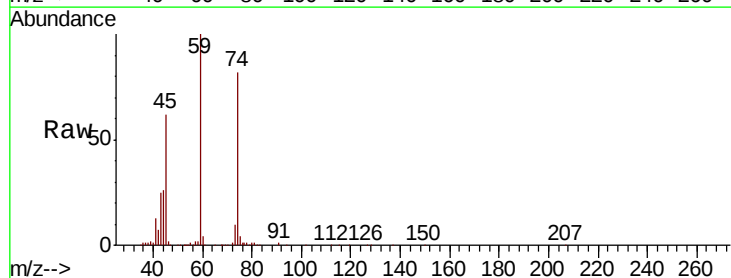
Tgt Ion: 101 Resp: 305043
 Ion Ratio Lower Upper
 101 100
 103 66.0 52.4 78.6

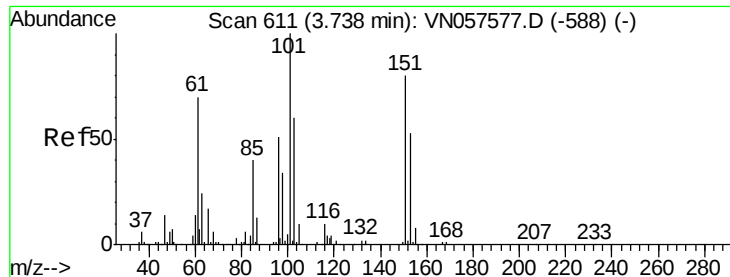


#8

Diethyl Ether
 Concen: 22.687 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VN057586.D
 Acq: 30 Aug 2019 13:53

Tgt Ion: 74 Resp: 98945
 Ion Ratio Lower Upper
 74 100
 45 77.8 15.2 137.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.518 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD01

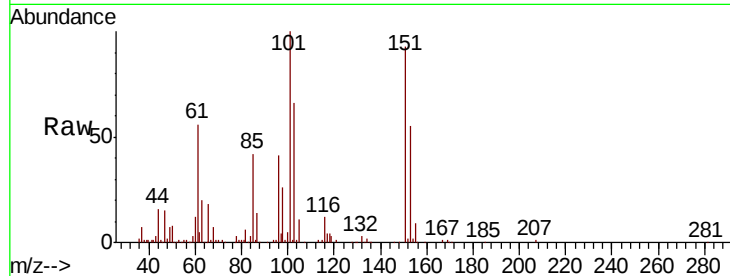
Tgt Ion:101 Resp: 182705

Ion Ratio Lower Upper

101 100

85 43.5 0.0 83.2

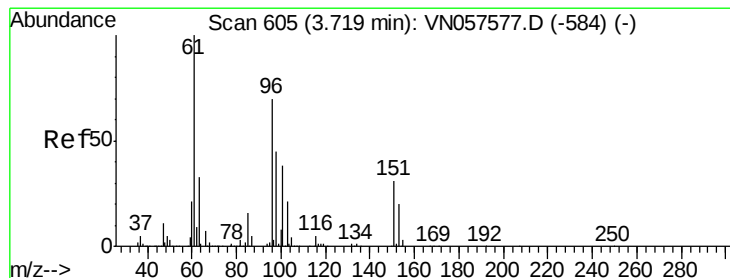
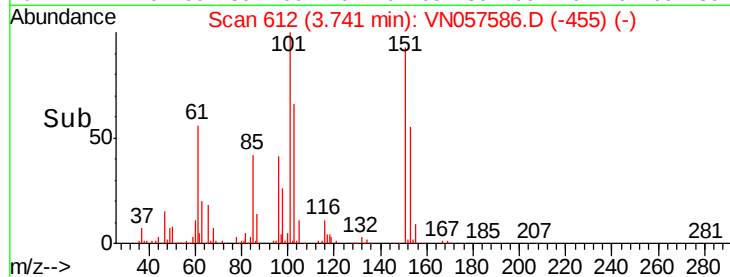
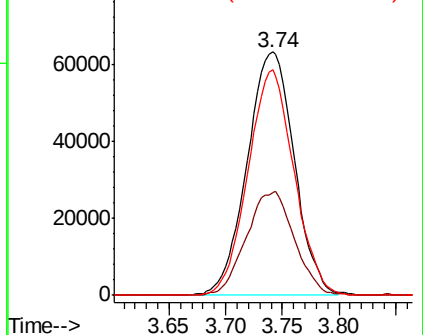
151 90.5 0.0 166.6



Abundance Ion 101.00 (100.70 to 101.70): VN057577.D (-588) (-)

Ion 85.00 (84.70 to 85.70): VN057577.D (-588) (-)

Ion 151.00 (150.70 to 151.70): VN057577.D (-588) (-)



#10

1,1-Dichloroethene

Concen: 22.620 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

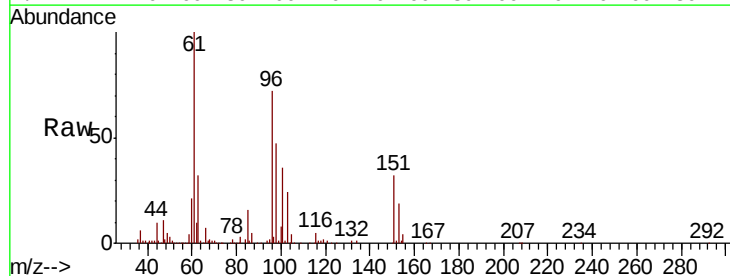
Tgt Ion: 96 Resp: 168599

Ion Ratio Lower Upper

96 100

61 138.3 114.2 171.4

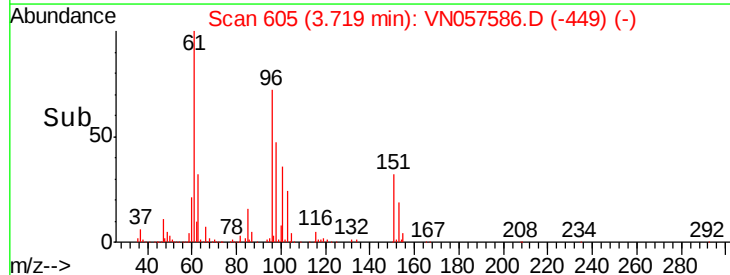
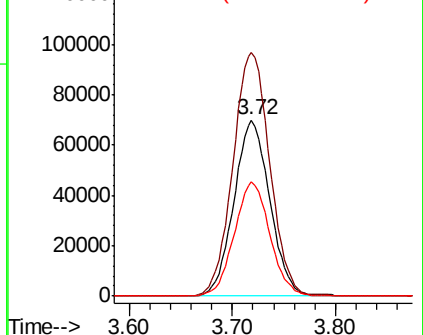
98 64.9 51.8 77.6

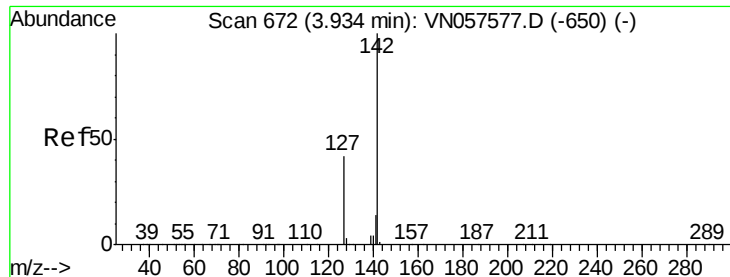


Abundance Ion 96.00 (95.70 to 96.70): VN057577.D (-584) (-)

Ion 61.00 (60.70 to 61.70): VN057577.D (-584) (-)

Ion 98.00 (97.70 to 98.70): VN057577.D (-584) (-)

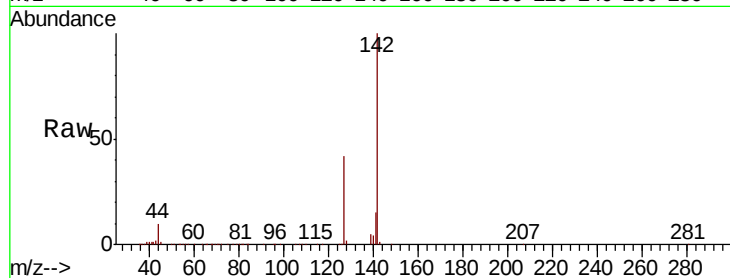




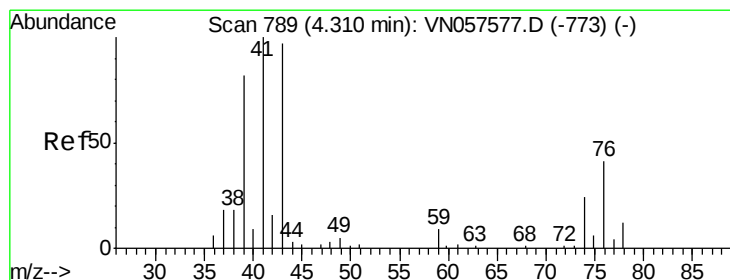
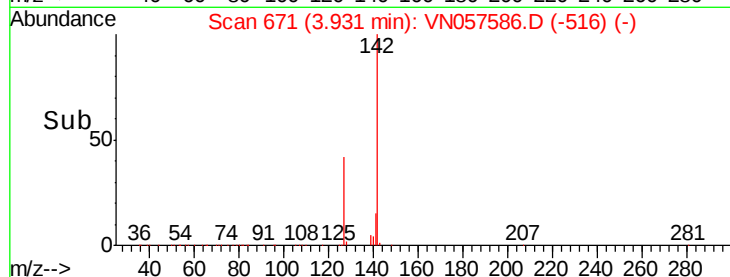
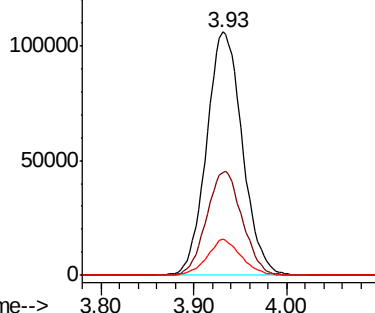
#11
Methyl Iodide
Concen: 22.016 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN057586.D
Acq: 30 Aug 2019 13:53

Instrument :
MSVOA_N
ClientSampled :
VN0830WBSD01

Tgt Ion:142 Resp: 283674
Ion Ratio Lower Upper
142 100
127 42.3 20.8 62.4
141 15.0 6.8 20.4

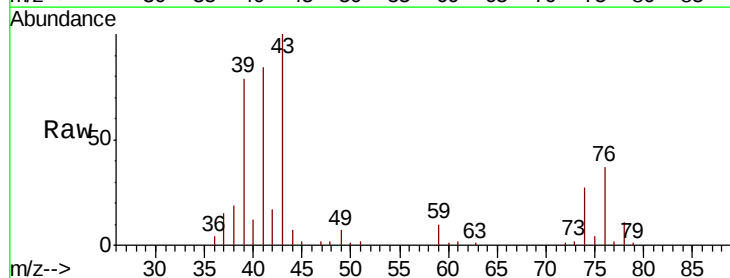


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

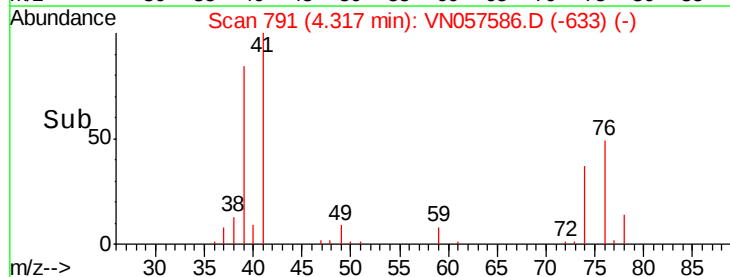
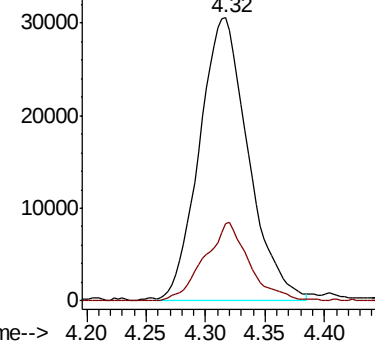


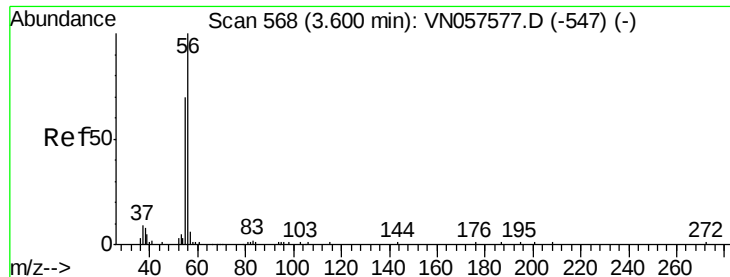
#12
Methyl Acetate
Concen: 21.708 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN057586.D
Acq: 30 Aug 2019 13:53

Tgt Ion: 43 Resp: 87240
Ion Ratio Lower Upper
43 100
74 27.3 19.6 29.4



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





#13

Acrolein

Concen: 102.424 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

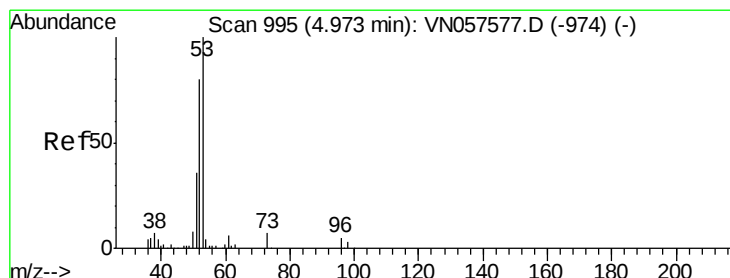
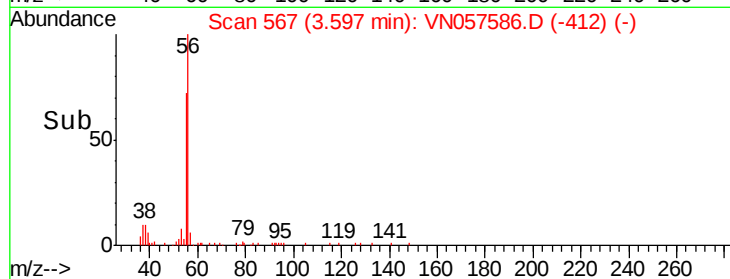
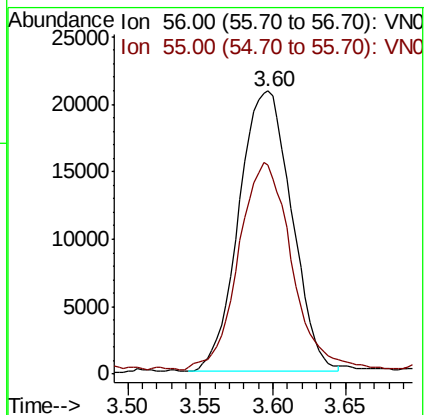
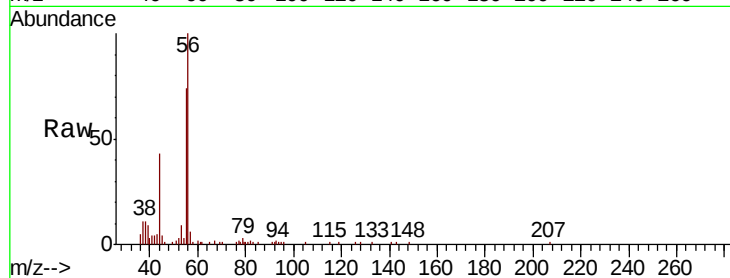
VN0830WBSD01

Tgt Ion: 56 Resp: 52453

Ion Ratio Lower Upper

56 100

55 75.4 54.5 81.7



#14

Acrylonitrile

Concen: 106.529 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

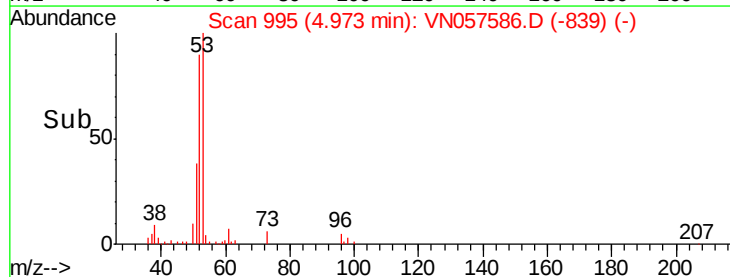
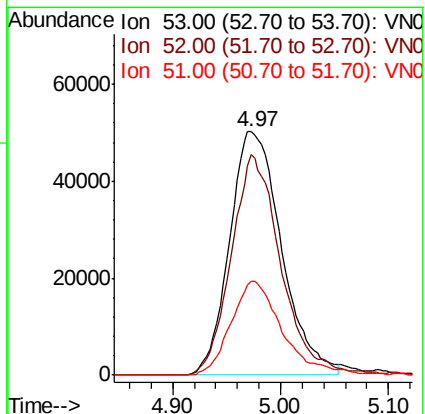
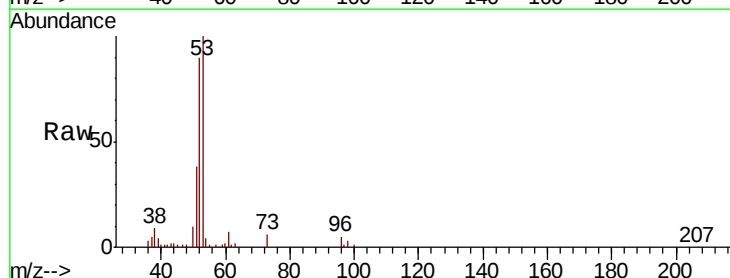
Tgt Ion: 53 Resp: 168204

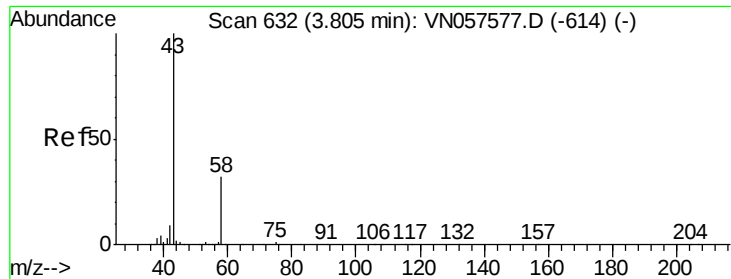
Ion Ratio Lower Upper

53 100

52 85.6 40.6 122.0

51 37.3 8.3 24.9#





#15

Acetone

Concen: 96.976 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

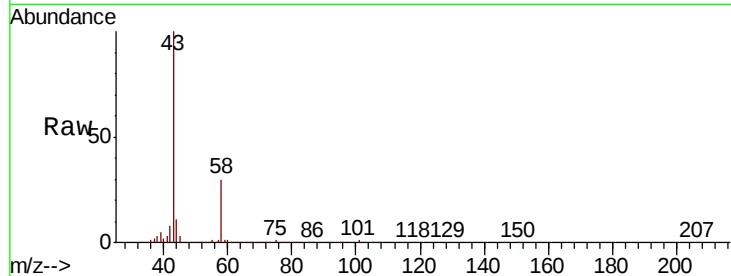
VN0830WBSD01

Tgt Ion: 58 Resp: 82643

Ion Ratio Lower Upper

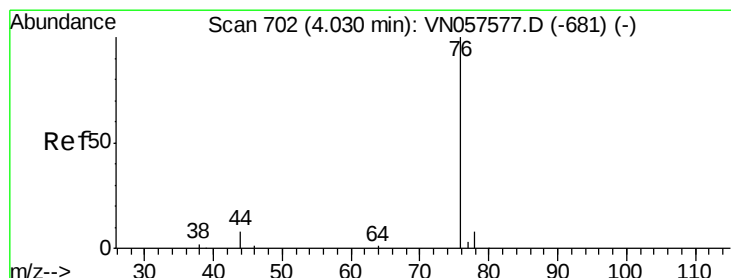
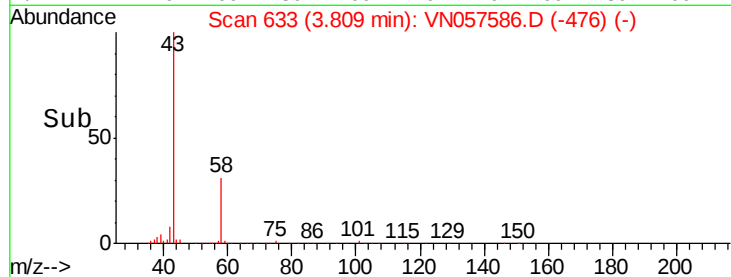
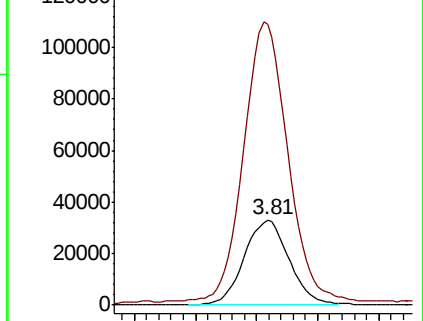
58 100

43 325.1 252.8 379.2



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 20.117 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN057586.D

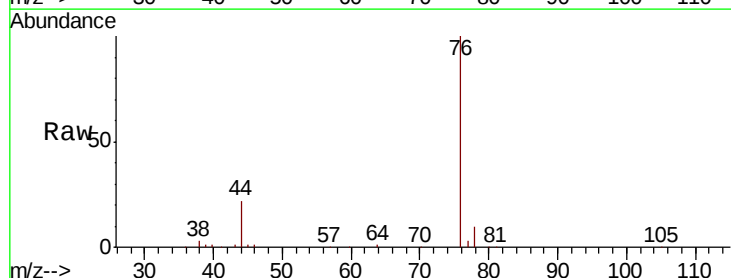
Acq: 30 Aug 2019 13:53

Tgt Ion: 76 Resp: 156433

Ion Ratio Lower Upper

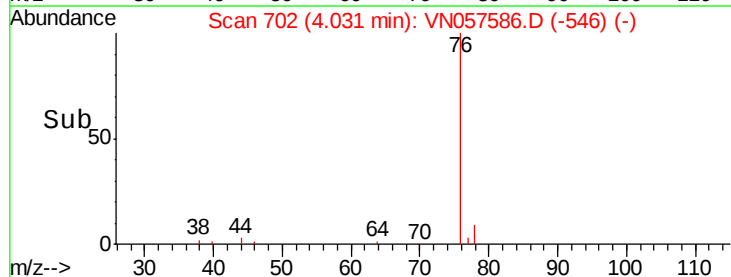
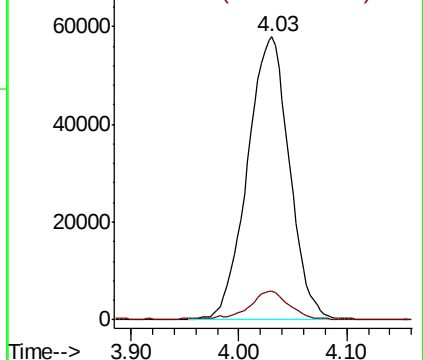
76 100

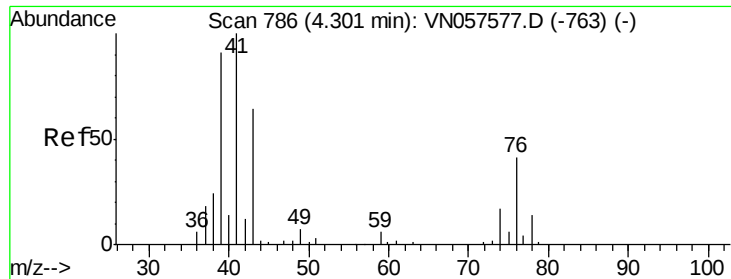
78 10.0 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

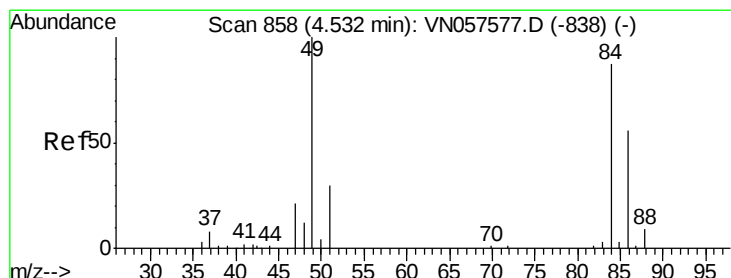
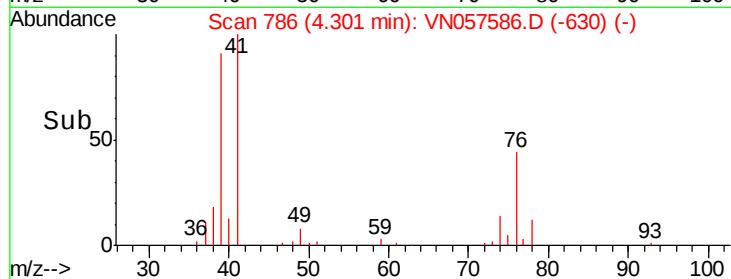
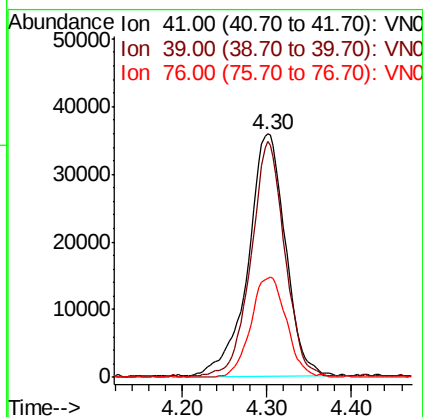
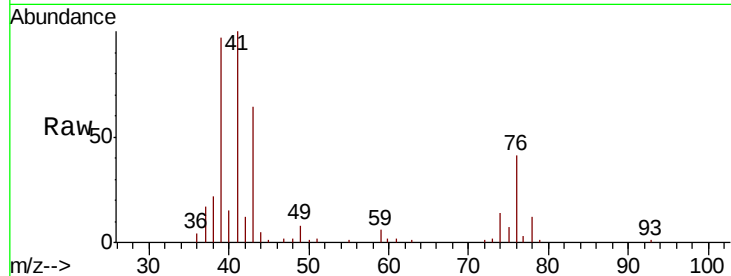




#17
 Allyl chloride
 Concen: 20.687 ug/l
 RT: 4.30 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: VN057586.D
 Acq: 30 Aug 2019 13:53

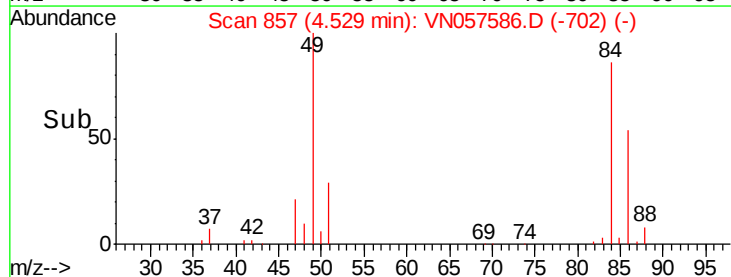
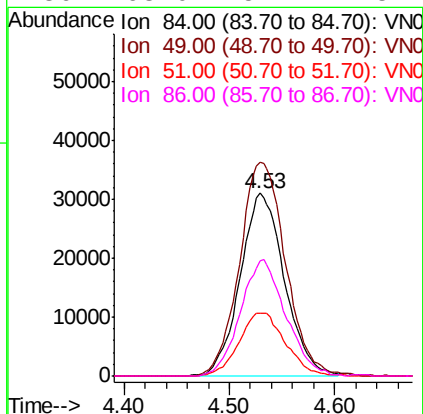
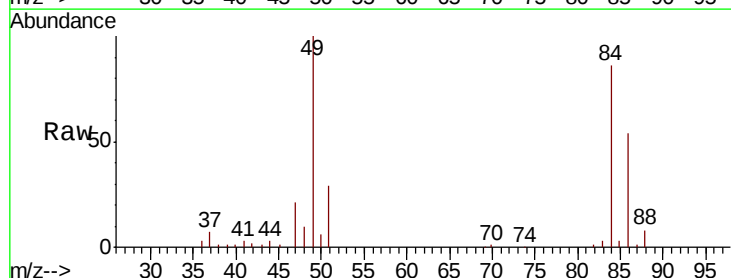
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBSD01

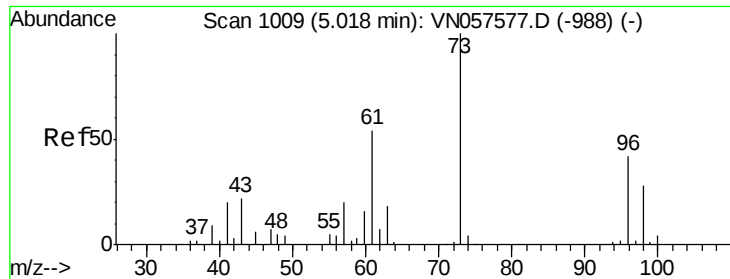
Tgt Ion: 41 Resp: 110014
 Ion Ratio Lower Upper
 41 100
 39 97.3 44.6 134.0
 76 40.8 19.8 59.3



#18
 Methylene Chloride
 Concen: 21.187 ug/l
 RT: 4.53 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VN057586.D
 Acq: 30 Aug 2019 13:53

Tgt Ion: 84 Resp: 90726
 Ion Ratio Lower Upper
 84 100
 49 116.8 92.4 138.6
 51 34.4 27.9 41.9
 86 63.0 52.2 78.2

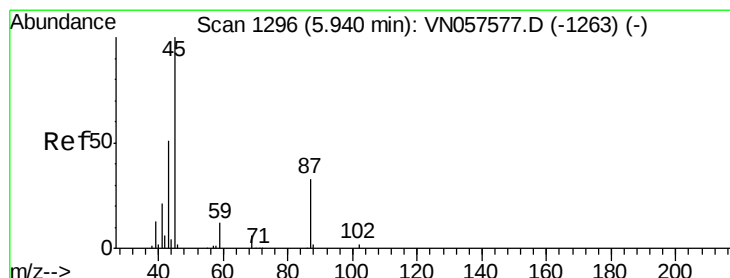
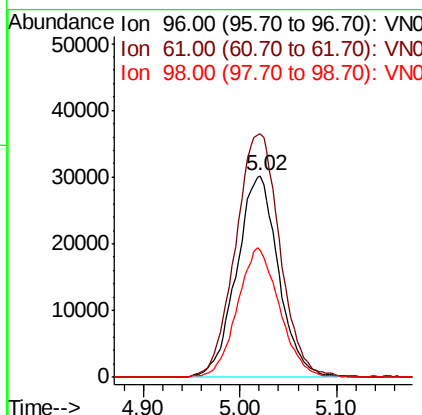
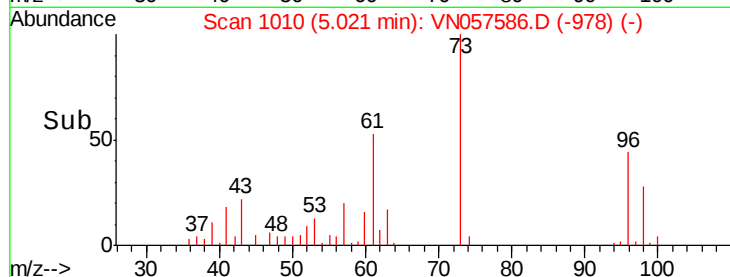
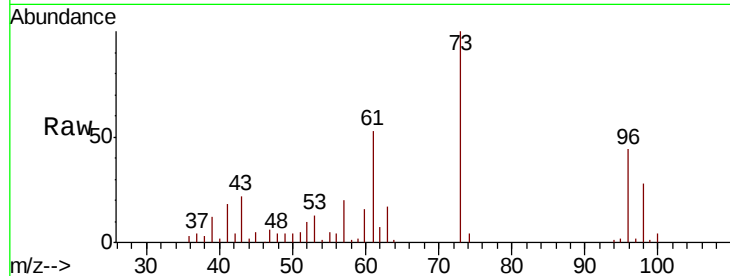




#19
trans-1,2-Dichloroethene
Concen: 21.325 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057586.D
Acq: 30 Aug 2019 13:53

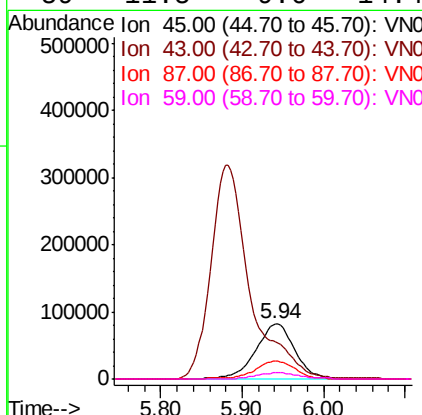
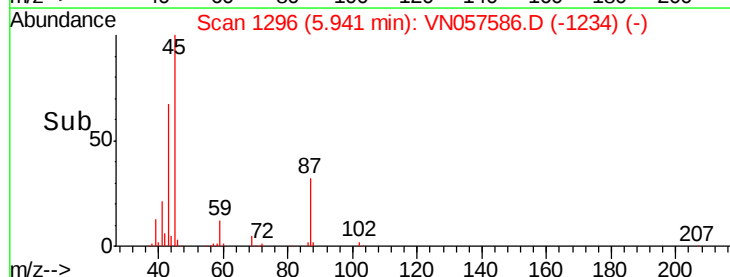
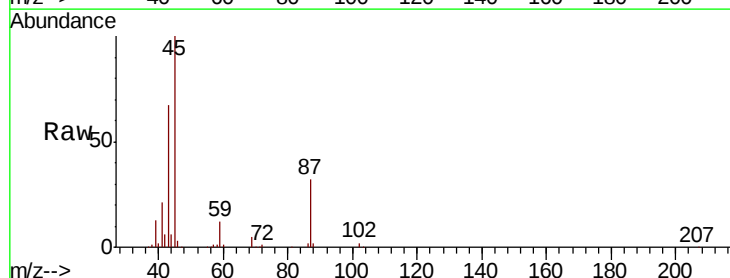
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD01

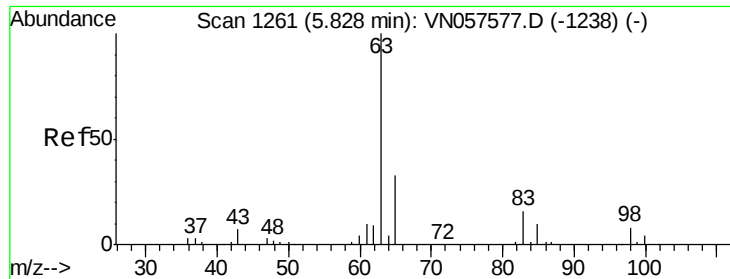
Tgt Ion: 96 Resp: 90770
Ion Ratio Lower Upper
96 100
61 120.9 102.6 153.8
98 62.8 52.6 79.0



#20
Diisopropyl ether
Concen: 21.415 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN057586.D
Acq: 30 Aug 2019 13:53

Tgt Ion: 45 Resp: 271960
Ion Ratio Lower Upper
45 100
43 65.0 51.9 77.9
87 31.6 27.3 40.9
59 11.5 9.6 14.4

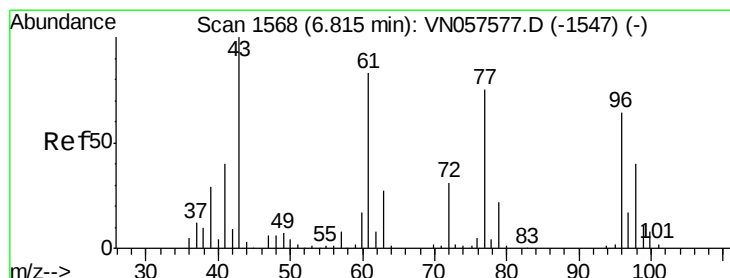
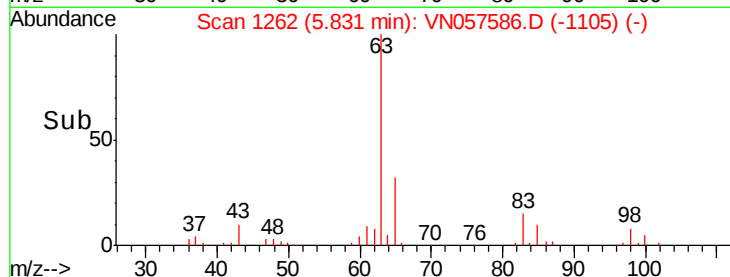
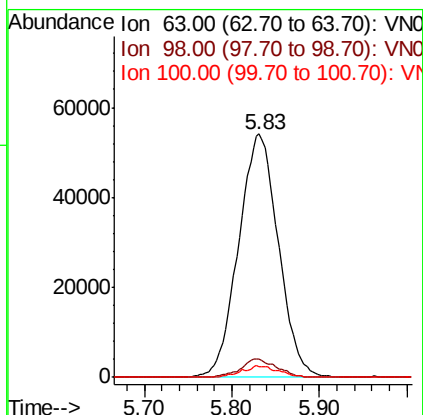
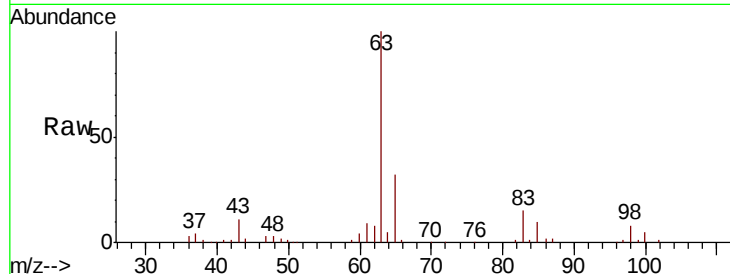




#21
 1,1-Dichloroethane
 Concen: 21.274 ug/l
 RT: 5.83 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN057586.D
 Acq: 30 Aug 2019 13:53

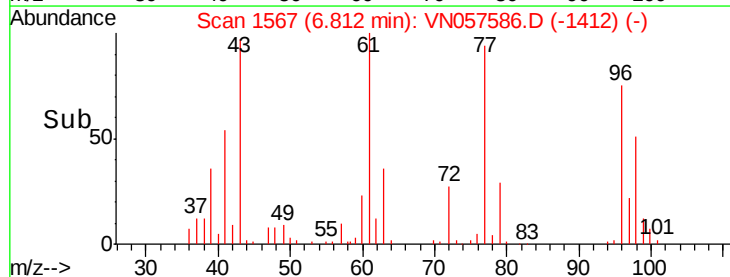
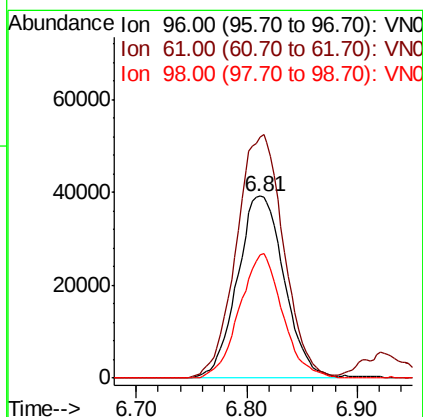
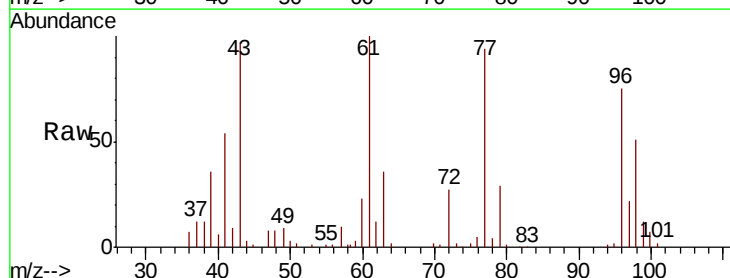
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBSD01

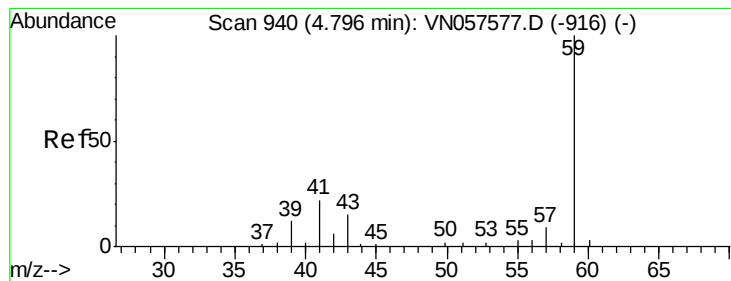
Tgt Ion: 63 Resp: 170583
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.8 11.2
 100 4.5 2.0 6.0



#22
 cis-1,2-Dichloroethene
 Concen: 20.367 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN057586.D
 Acq: 30 Aug 2019 13:53

Tgt Ion: 96 Resp: 115530
 Ion Ratio Lower Upper
 96 100
 61 135.1 110.5 165.7
 98 62.9 51.1 76.7





#23

tert-Butyl Alcohol

Concen: 109.546 ug/l

RT: 4.80 min Scan# 940

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

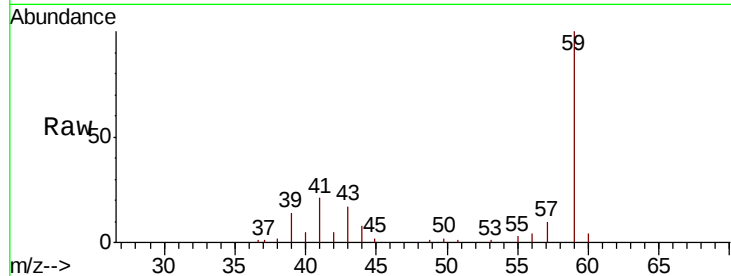
VN0830WBSD01

Tgt Ion: 59 Resp: 64146

Ion Ratio Lower Upper

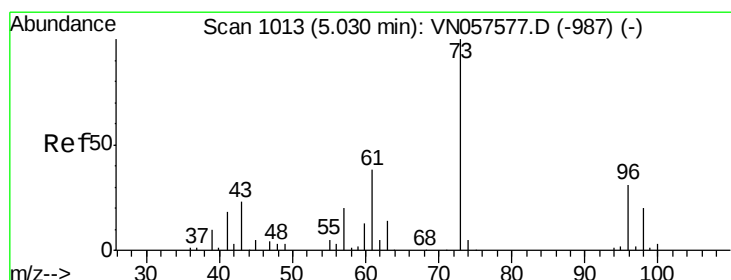
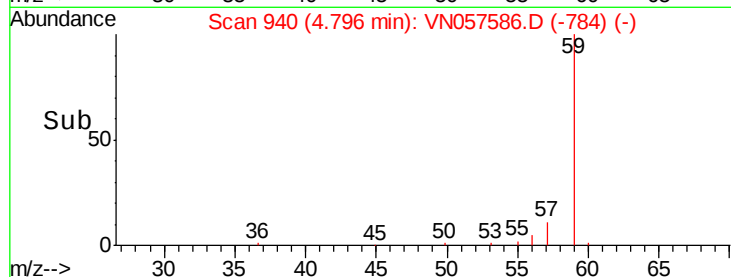
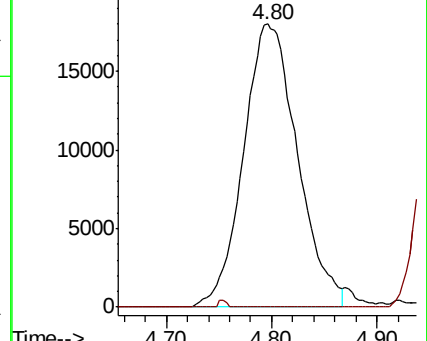
59 100

52 0.4 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 21.260 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VN057586.D

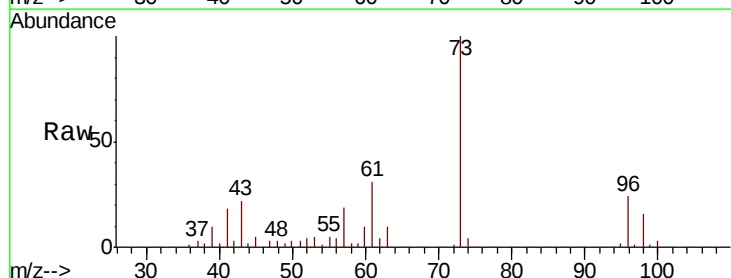
Acq: 30 Aug 2019 13:53

Tgt Ion: 73 Resp: 291611

Ion Ratio Lower Upper

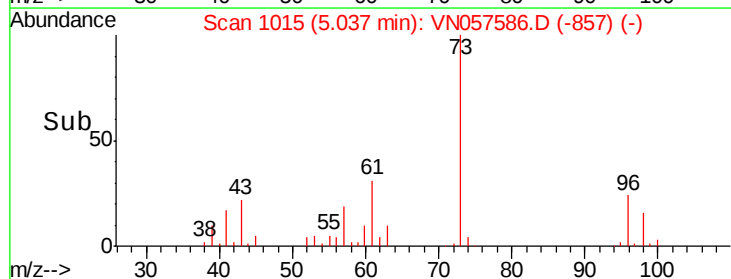
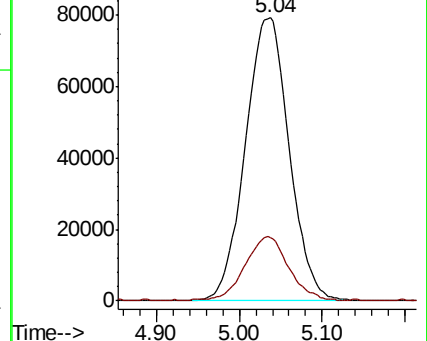
73 100

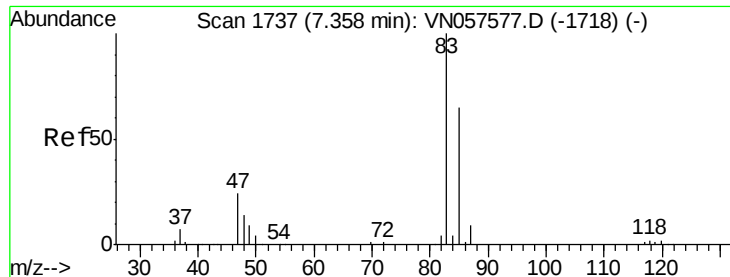
43 22.2 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

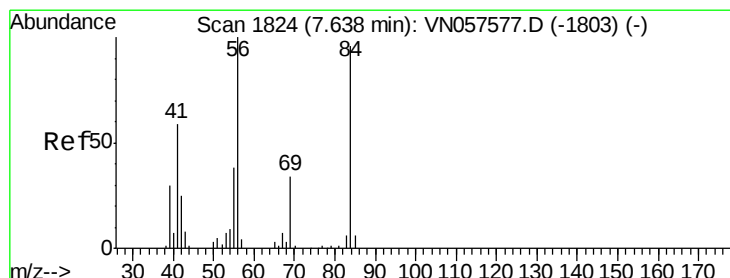
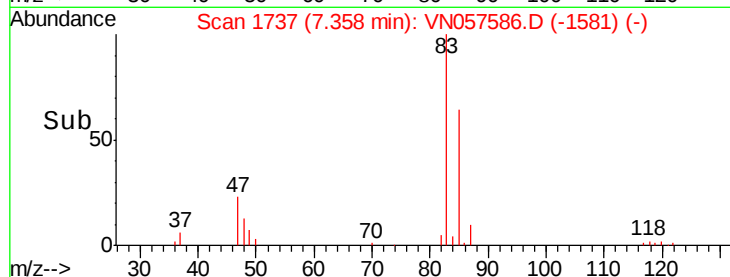
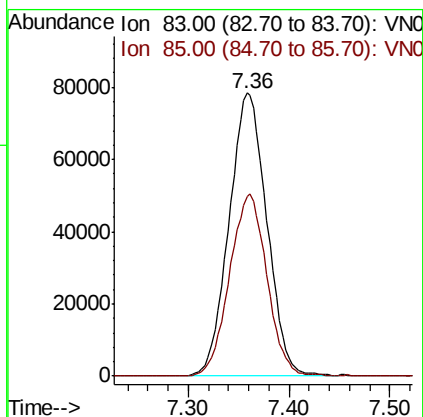
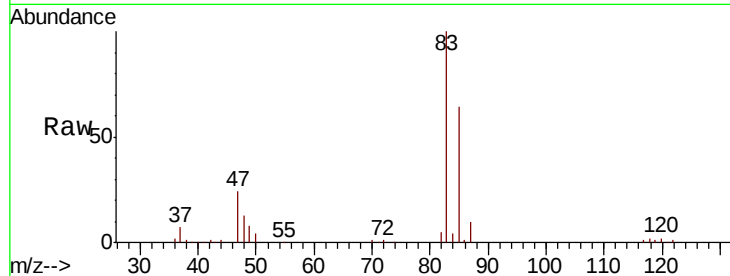




#25
Chloroform
Concen: 20.917 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057586.D
Acq: 30 Aug 2019 13:53

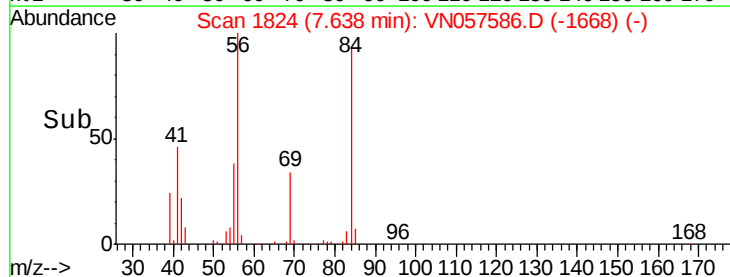
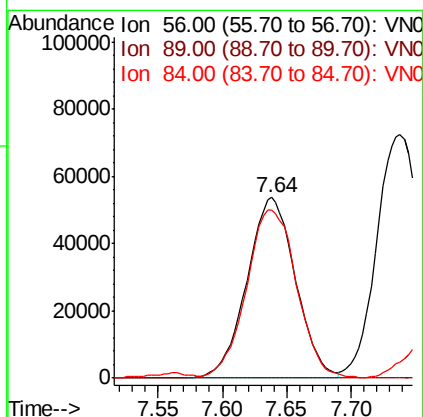
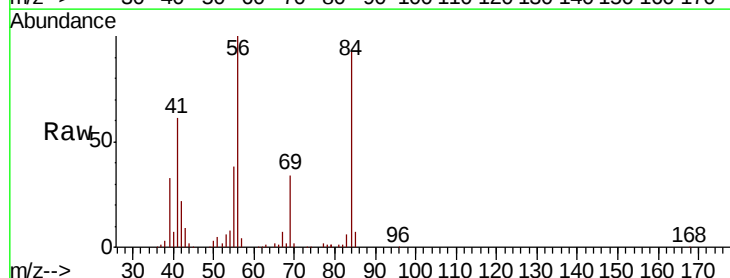
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD01

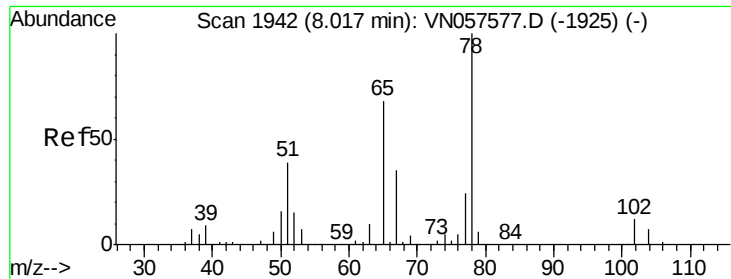
Tgt Ion: 83 Resp: 203784
Ion Ratio Lower Upper
83 100
85 63.6 51.8 77.6



#26
Cyclohexane
Concen: 21.082 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057586.D
Acq: 30 Aug 2019 13:53

Tgt Ion: 56 Resp: 140954
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 96.4 75.9 113.9





#27

1,2-Dichloroethane-d4

Concen: 31.593 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

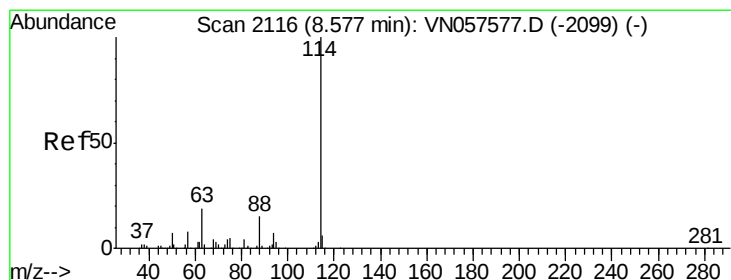
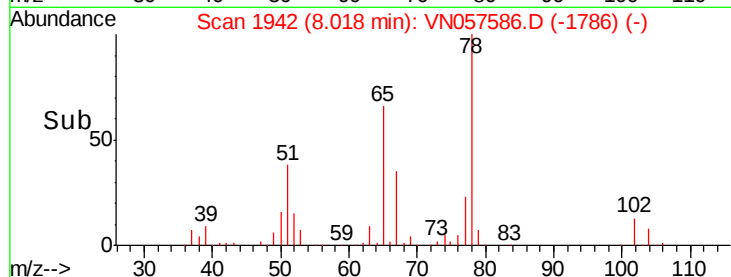
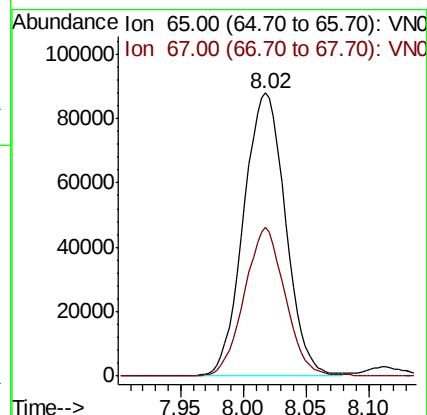
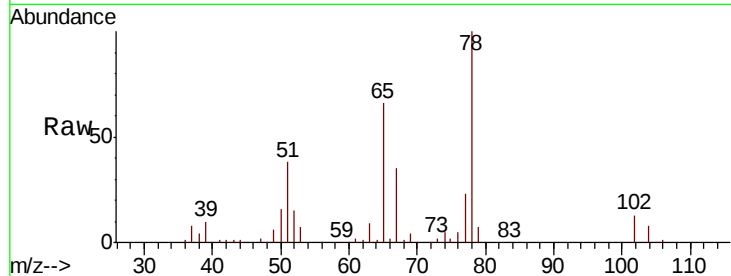
VN0830WBSD01

Tgt Ion: 65 Resp: 204555

Ion Ratio Lower Upper

65 100

67 51.2 39.8 59.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

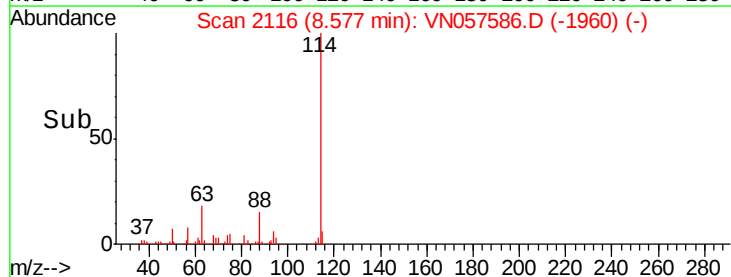
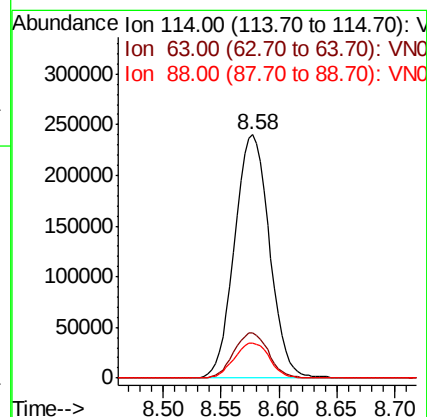
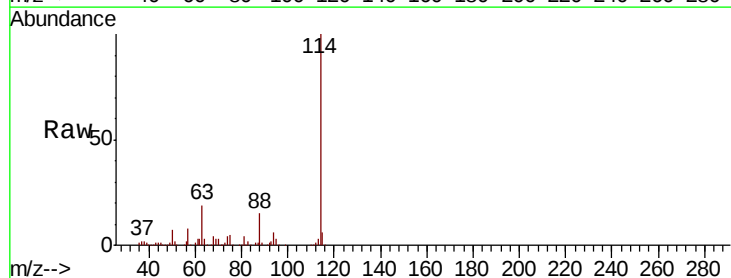
Tgt Ion: 114 Resp: 501081

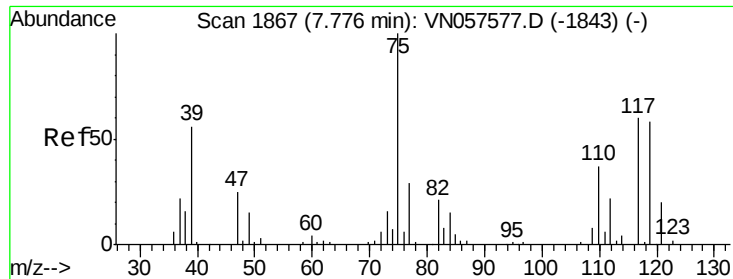
Ion Ratio Lower Upper

114 100

63 18.5 15.4 23.0

88 14.7 11.8 17.8

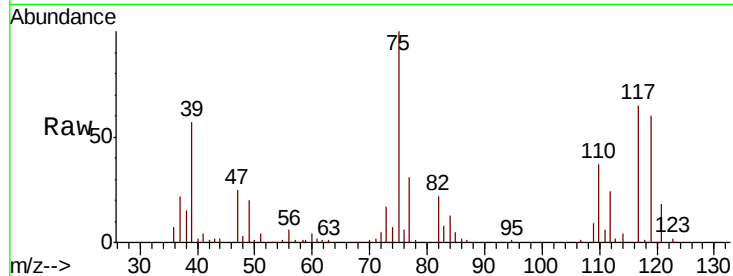




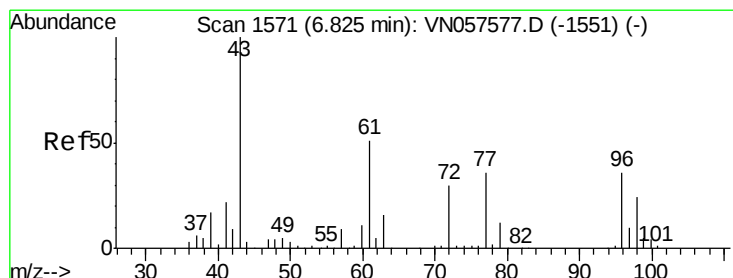
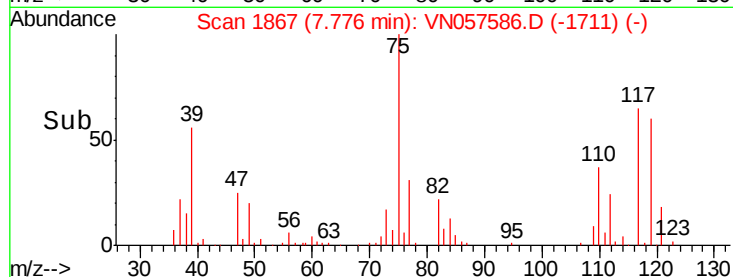
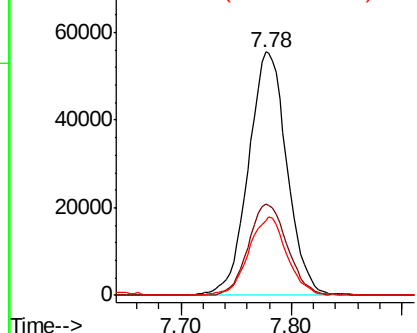
#29
 1,1-Dichloropropene
 Concen: 19.764 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057586.D
 Acq: 30 Aug 2019 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBSD01

Tgt Ion: 75 Resp: 134029
 Ion Ratio Lower Upper
 75 100
 110 37.8 0.0 75.4
 77 31.9 0.0 61.0

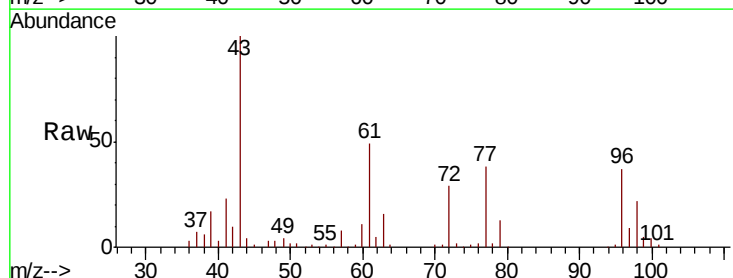


Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VN0

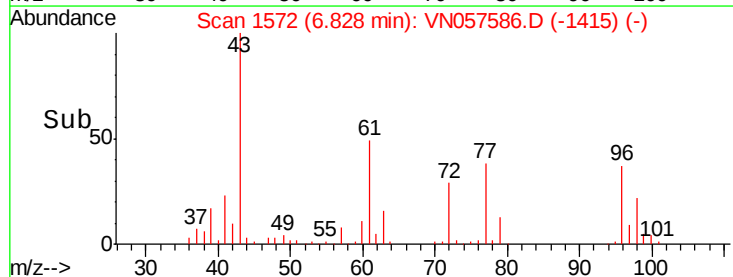
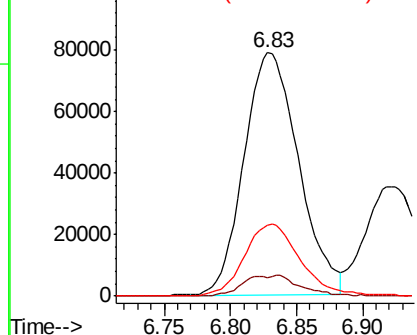


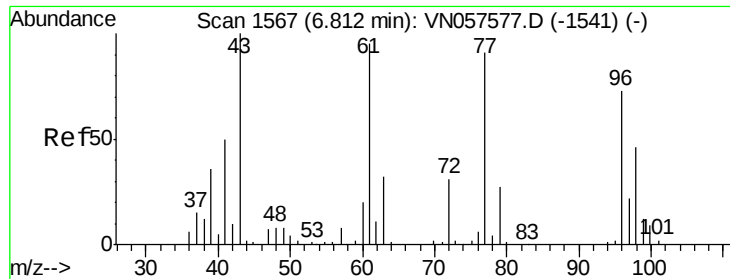
#30
 2-Butanone
 Concen: 103.213 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN057586.D
 Acq: 30 Aug 2019 13:53

Tgt Ion: 43 Resp: 227008
 Ion Ratio Lower Upper
 43 100
 57 4.2 3.5 5.3
 72 30.2 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0
 Ion 72.00 (71.70 to 72.70): VN0

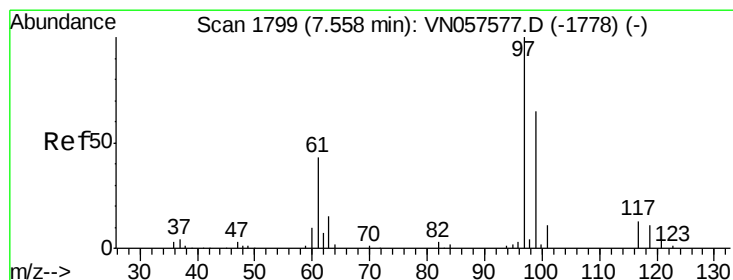
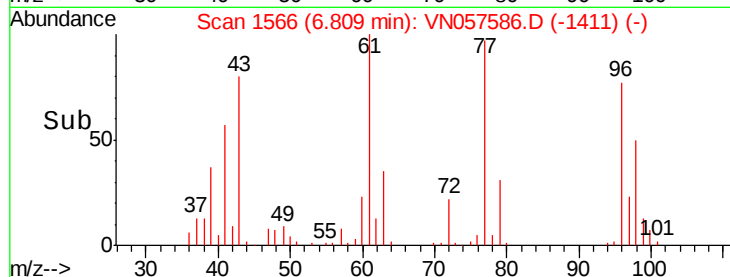
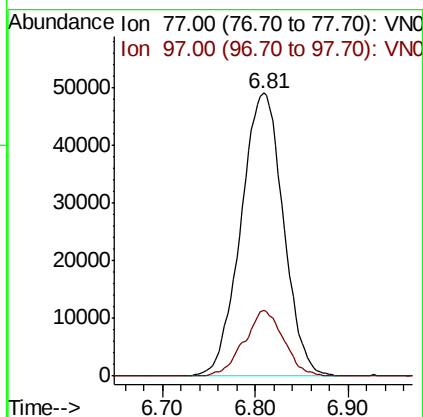
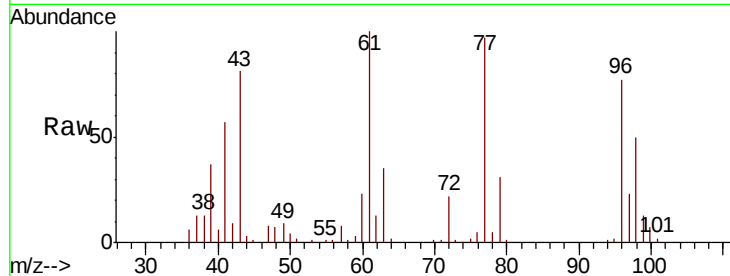




#31
 2,2-Dichloropropane
 Concen: 19.272 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN057586.D
 Acq: 30 Aug 2019 13:53

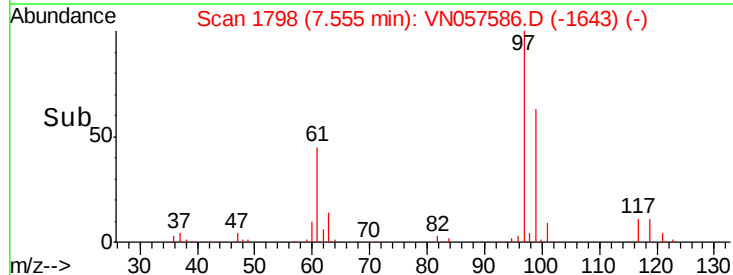
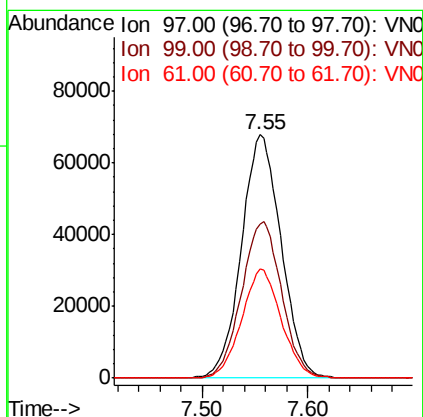
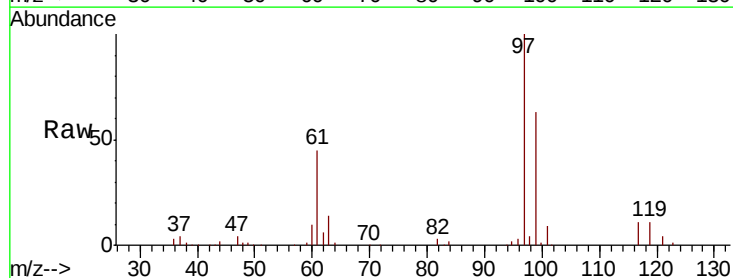
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBSD01

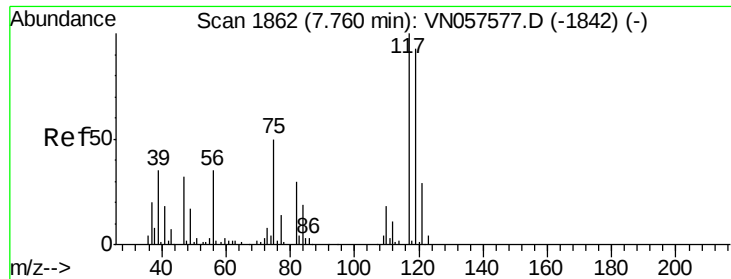
Tgt Ion: 77 Resp: 156344
 Ion Ratio Lower Upper
 77 100
 97 21.7 18.9 28.3



#32
 1,1,1-Trichloroethane
 Concen: 19.549 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN057586.D
 Acq: 30 Aug 2019 13:53

Tgt Ion: 97 Resp: 177738
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.1 76.7
 61 44.6 34.4 51.6

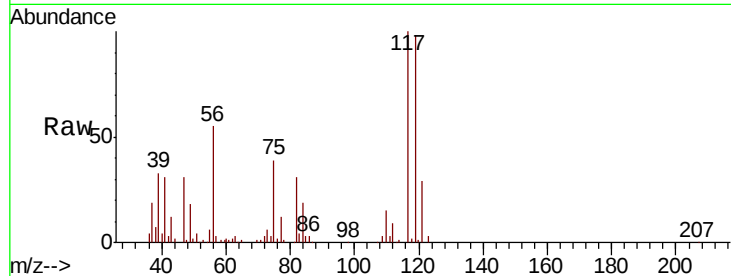




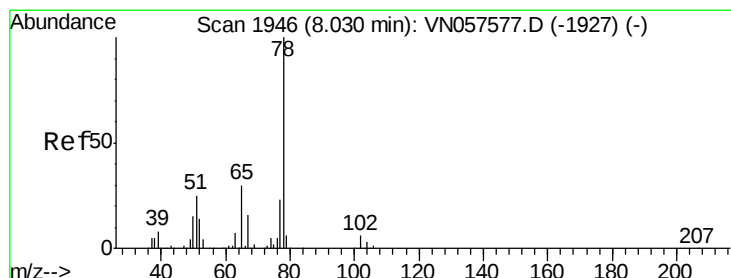
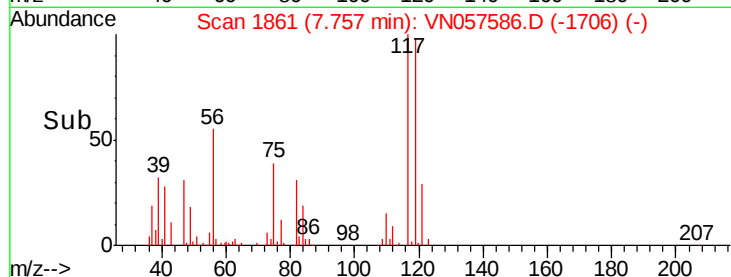
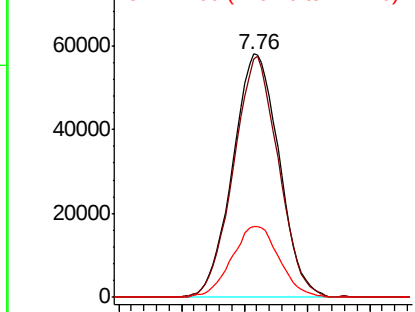
#33
Carbon Tetrachloride
Concen: 19.337 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057586.D
Acq: 30 Aug 2019 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD01

Tgt Ion:117 Resp: 149171
Ion Ratio Lower Upper
117 100
119 97.4 74.6 111.8
121 29.3 23.5 35.3

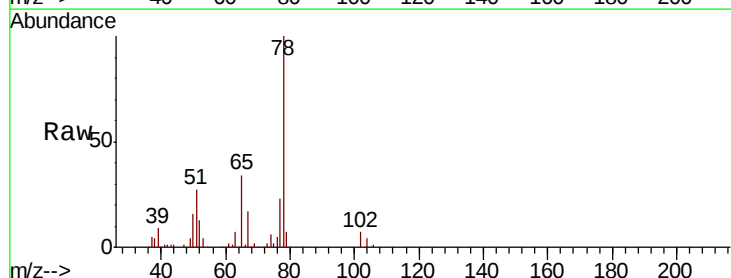


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

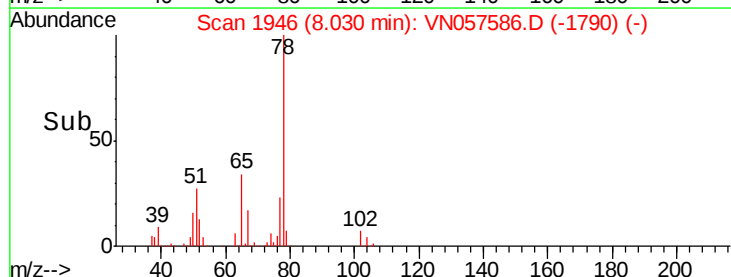
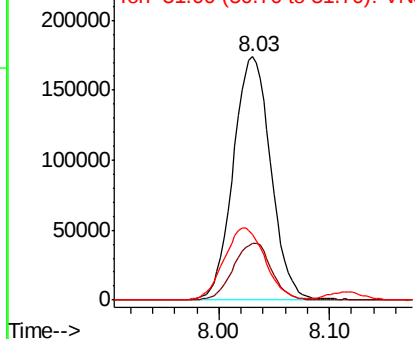


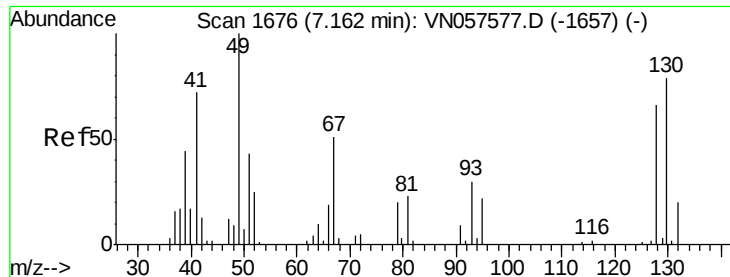
#34
Benzene
Concen: 20.220 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057586.D
Acq: 30 Aug 2019 13:53

Tgt Ion: 78 Resp: 411087
Ion Ratio Lower Upper
78 100
77 23.1 18.2 27.4
51 26.4 20.2 30.4



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

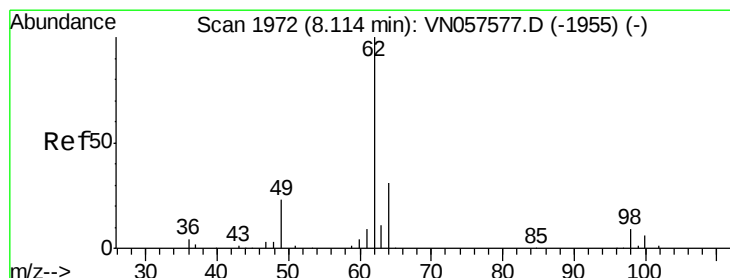
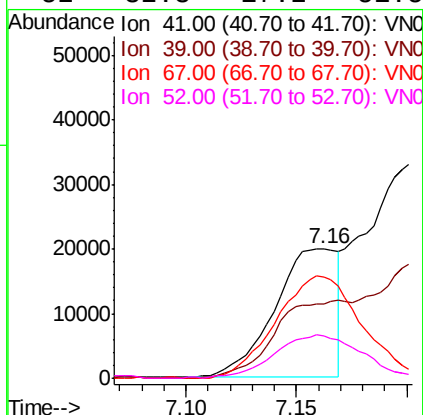
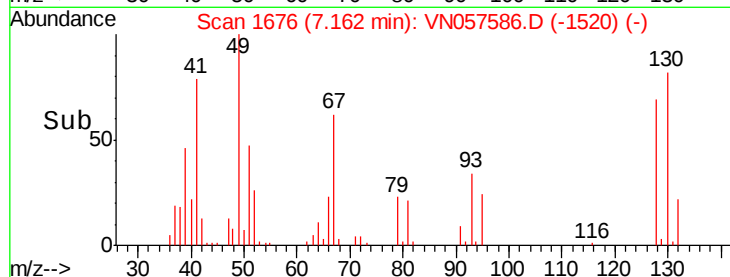
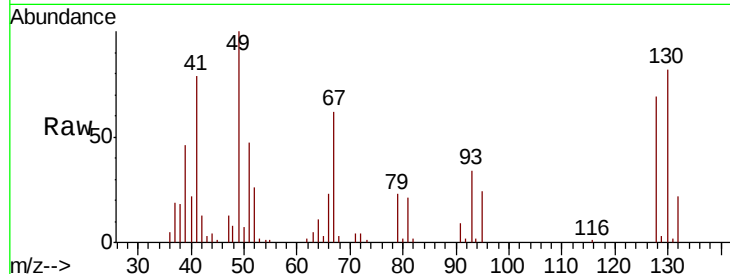




#35
Methacrylonitrile
Concen: 18.064 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN057586.D
Acq: 30 Aug 2019 13:53

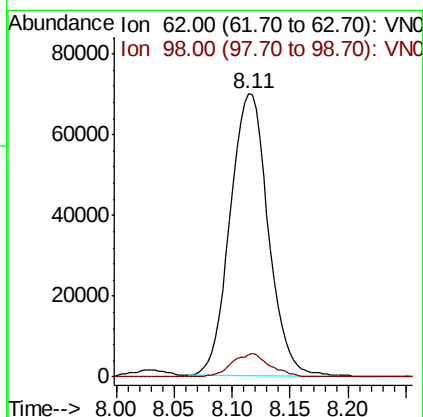
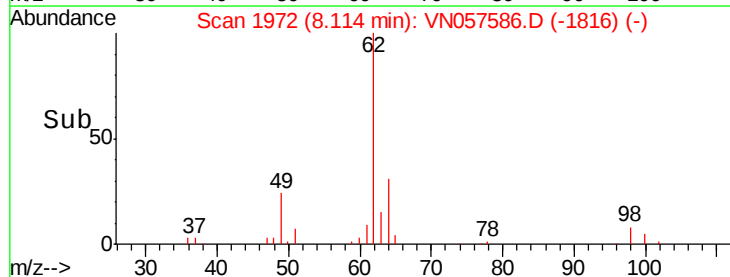
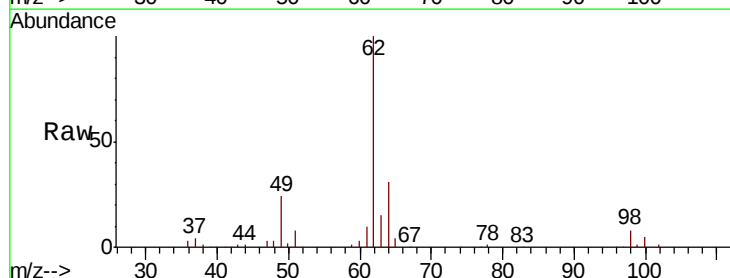
Instrument :
MSVOA_N
ClientSampled :
VN0830WBSD01

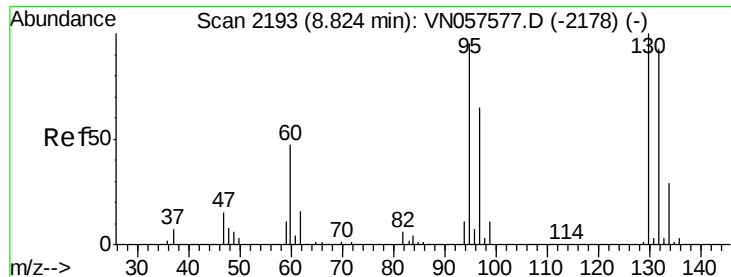
Tgt Ion: 41 Resp: 39323
Ion Ratio Lower Upper
41 100
39 58.1 30.4 91.2
67 78.8 35.6 106.8
52 32.3 17.2 51.5



#36
1,2-Dichloroethane
Concen: 21.398 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057586.D
Acq: 30 Aug 2019 13:53

Tgt Ion: 62 Resp: 160504
Ion Ratio Lower Upper
62 100
98 8.2 6.8 10.2

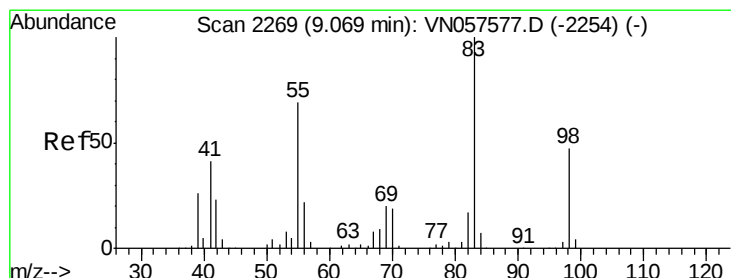
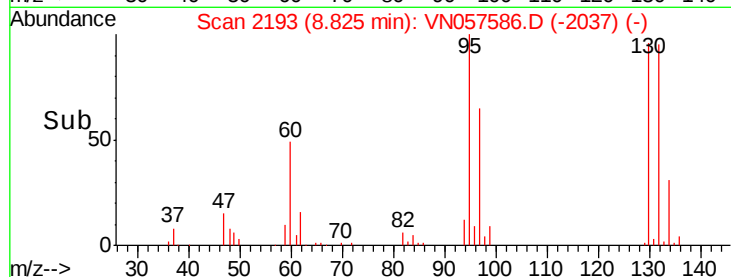
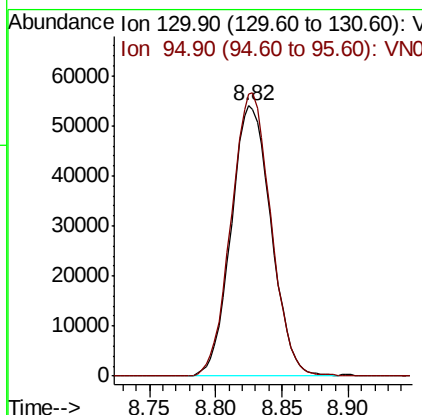
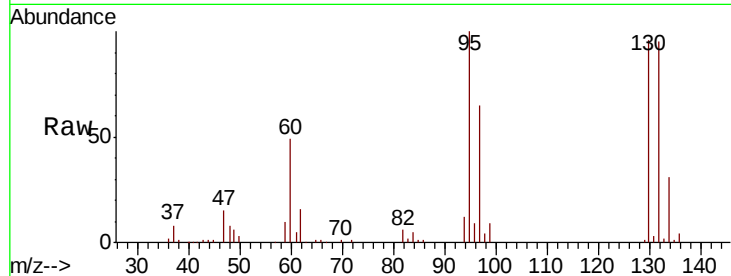




#37
 Trichloroethene
 Concen: 19.253 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN057586.D
 Acq: 30 Aug 2019 13:53

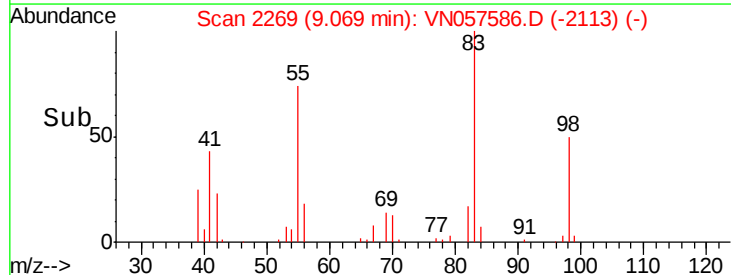
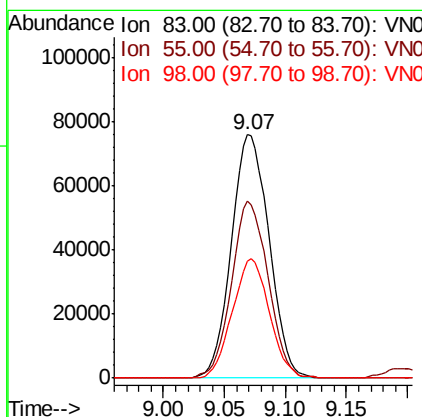
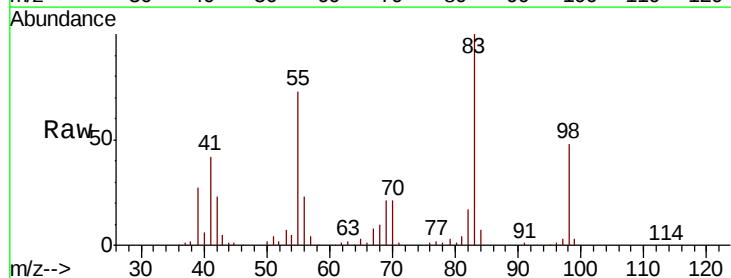
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBSD01

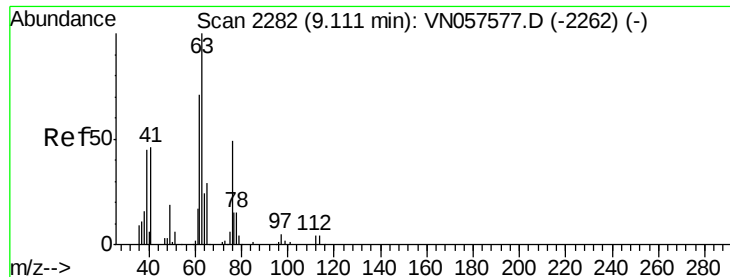
Tgt Ion: 130 Resp: 113367
 Ion Ratio Lower Upper
 130 100
 95 104.4 76.2 114.2



#38
 Methylcyclohexane
 Concen: 19.764 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: VN057586.D
 Acq: 30 Aug 2019 13:53

Tgt Ion: 83 Resp: 163247
 Ion Ratio Lower Upper
 83 100
 55 70.4 34.5 103.6
 98 48.1 23.4 70.3

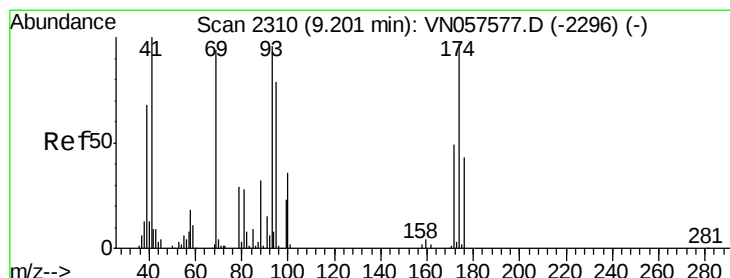
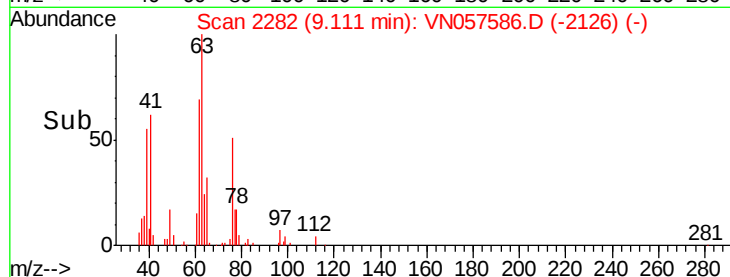
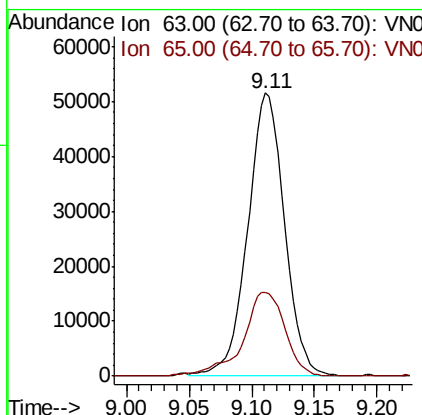
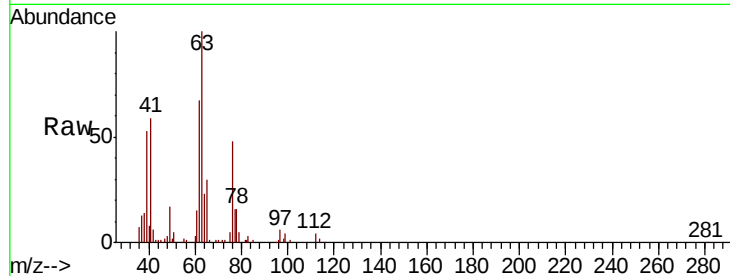




#39
 1,2-Dichloropropane
 Concen: 21.174 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057586.D
 Acq: 30 Aug 2019 13:53

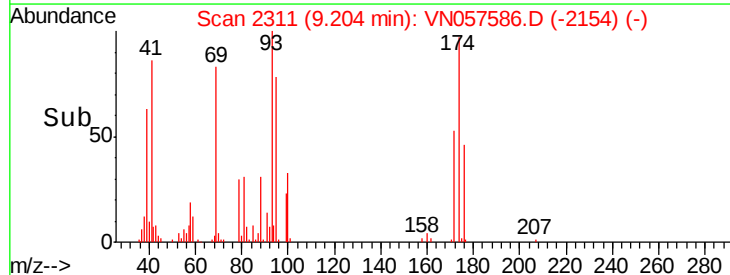
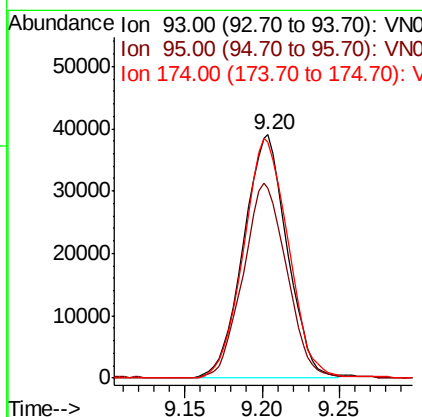
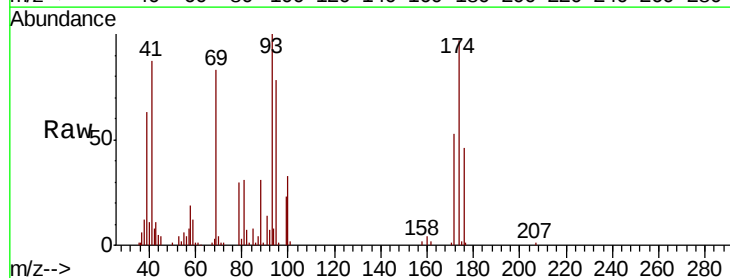
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBSD01

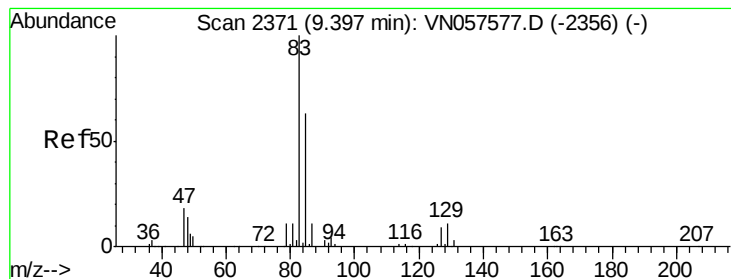
Tgt Ion: 63 Resp: 105337
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.2 36.2



#40
 Dibromomethane
 Concen: 20.100 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN057586.D
 Acq: 30 Aug 2019 13:53

Tgt Ion: 93 Resp: 76985
 Ion Ratio Lower Upper
 93 100
 95 79.5 0.0 162.8
 174 100.2 0.0 199.2





#41

Bromodichloromethane

Concen: 19.825 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD01

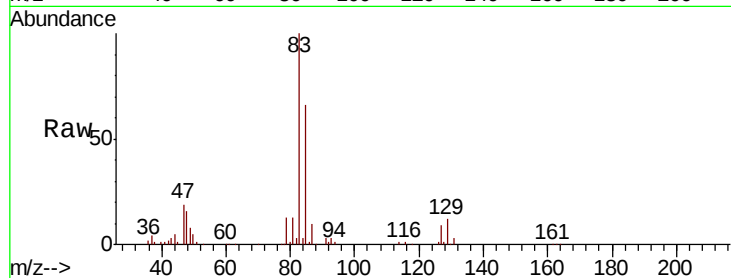
Tgt Ion: 83 Resp: 155567

Ion Ratio Lower Upper

83 100

85 65.9 50.3 75.5

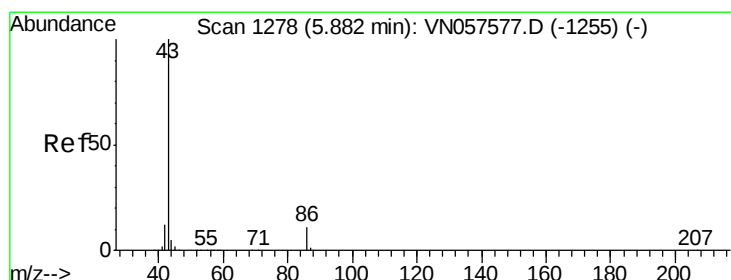
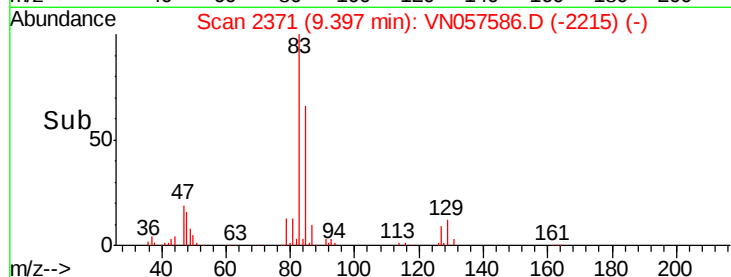
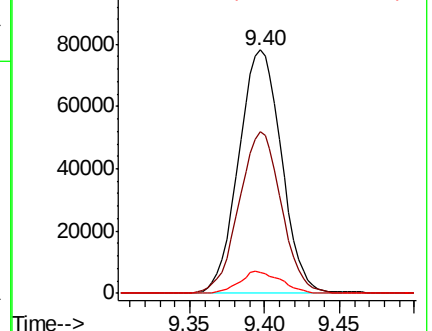
127 8.7 7.4 11.2



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: 109.997 ug/l

RT: 5.88 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VN057586.D

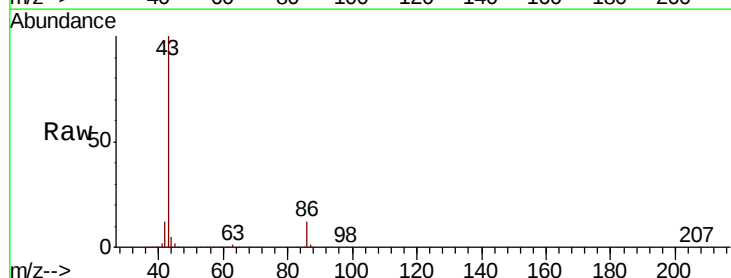
Acq: 30 Aug 2019 13:53

Tgt Ion: 43 Resp: 1074853

Ion Ratio Lower Upper

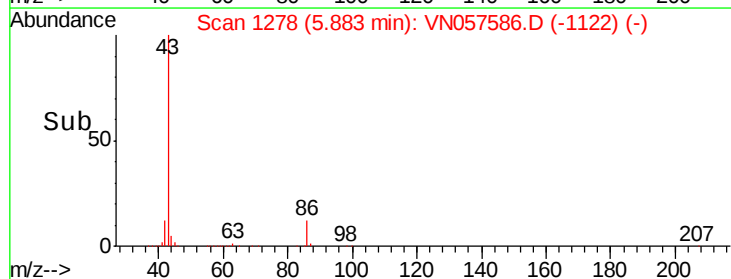
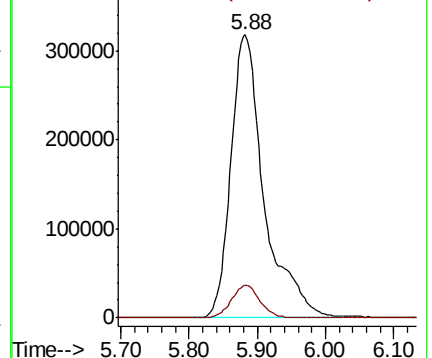
43 100

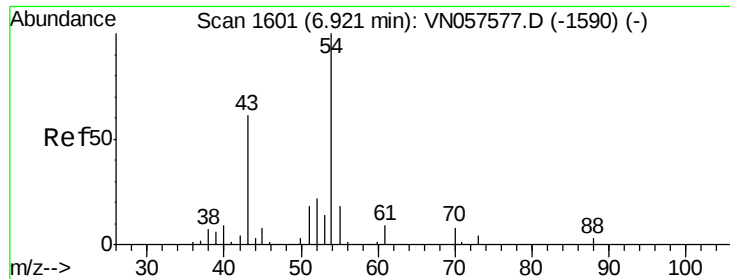
86 9.9 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 23.520 ug/l

RT: 6.92 min Scan# 1601

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

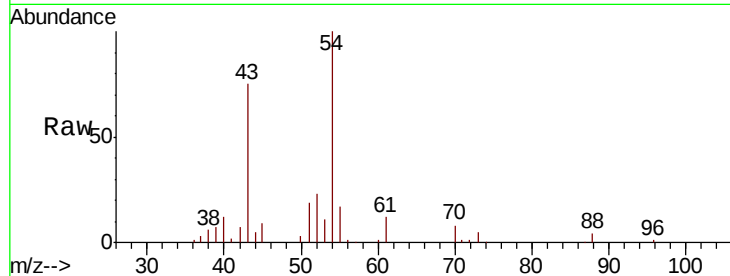
VN0830WBSD01

Tgt Ion: 43 Resp: 99770

Ion Ratio Lower Upper

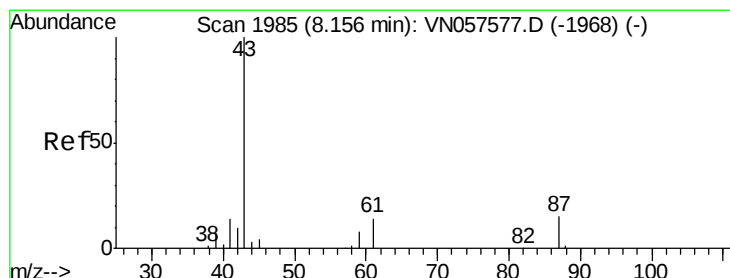
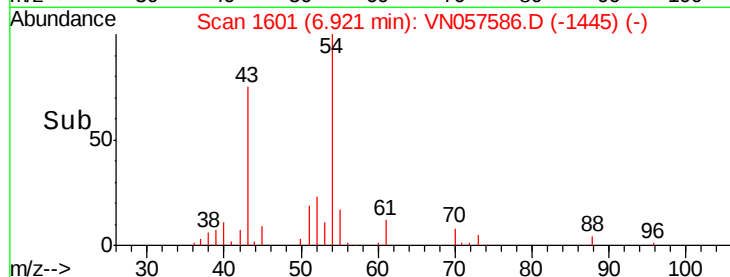
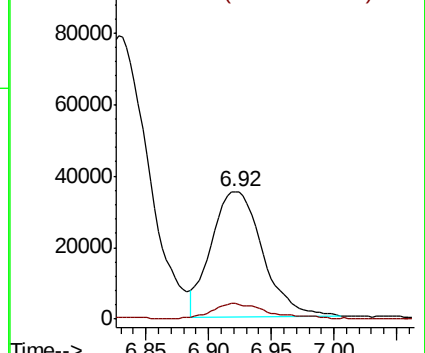
43 100

45 7.3 9.9 14.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 21.169 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057586.D

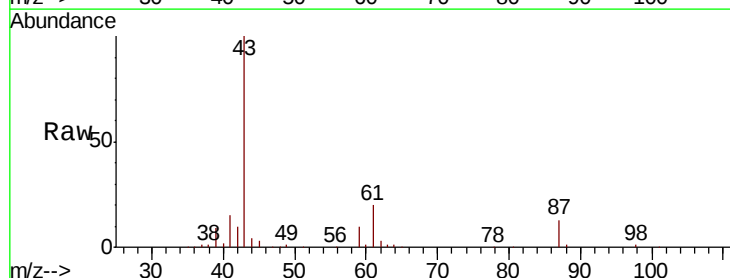
Acq: 30 Aug 2019 13:53

Tgt Ion: 43 Resp: 179631

Ion Ratio Lower Upper

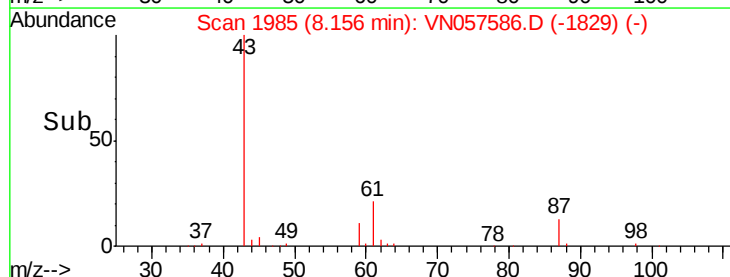
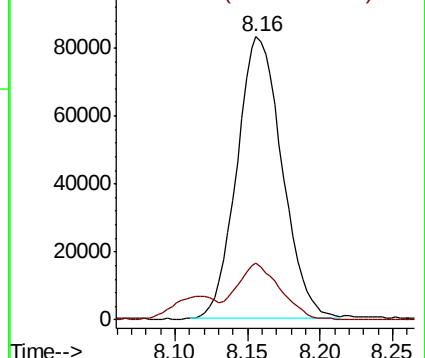
43 100

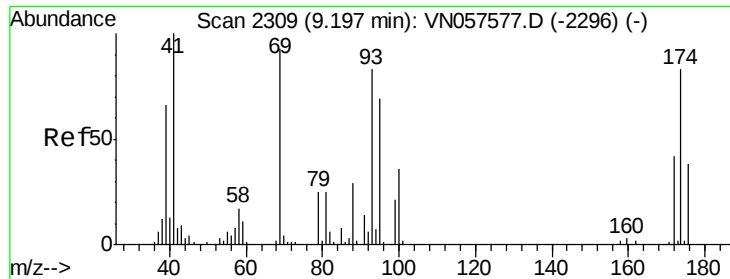
61 19.7 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 415.004 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD01

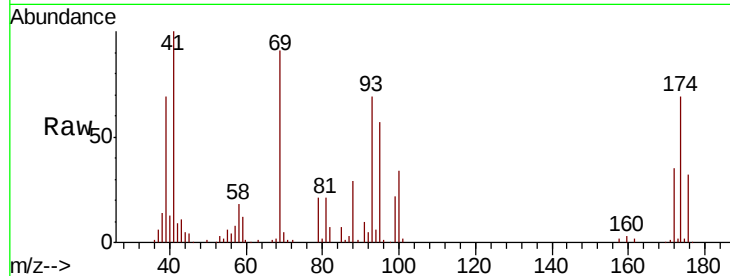
Tgt Ion: 88 Resp: 30321

Ion Ratio Lower Upper

88 100

43 31.8 18.2 27.4#

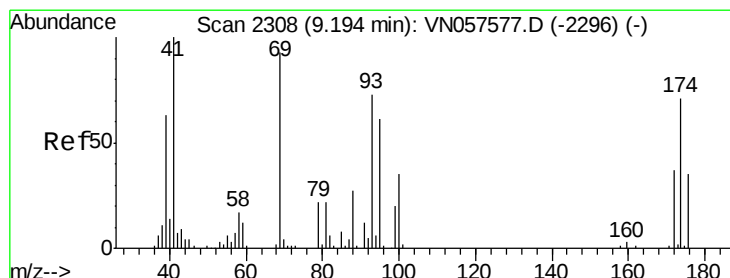
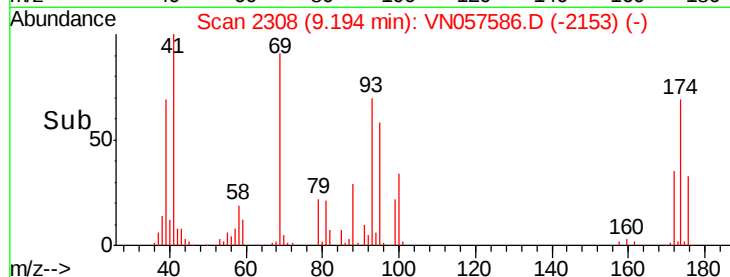
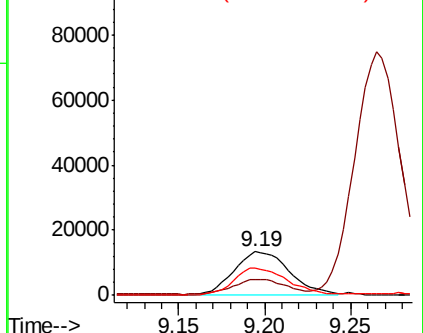
58 60.6 45.0 67.6



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 21.187 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

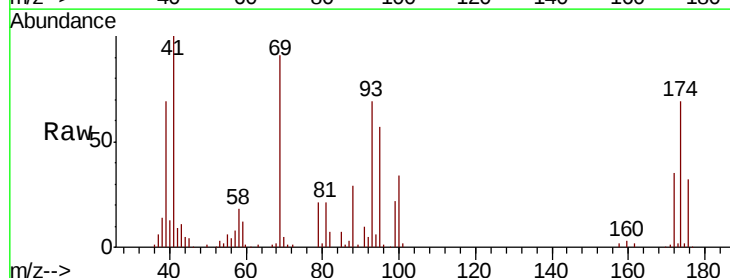
Tgt Ion: 41 Resp: 83384

Ion Ratio Lower Upper

41 100

69 92.2 46.4 139.1

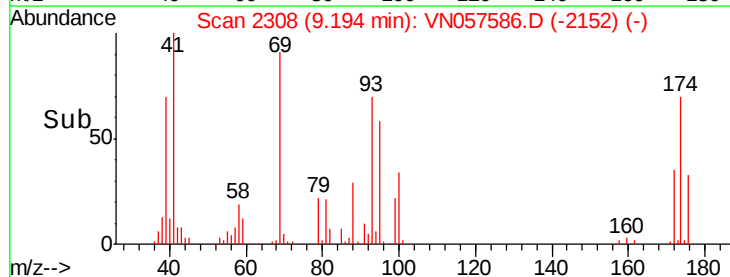
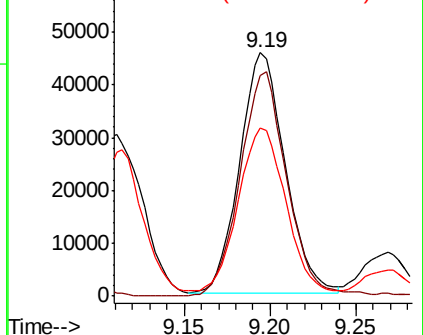
39 68.0 31.6 94.8

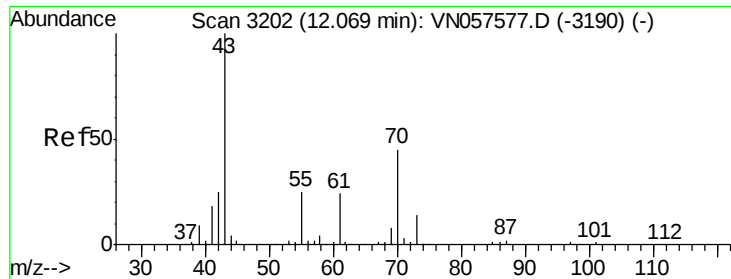


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

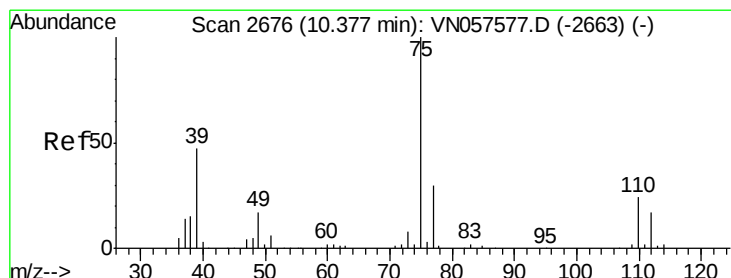
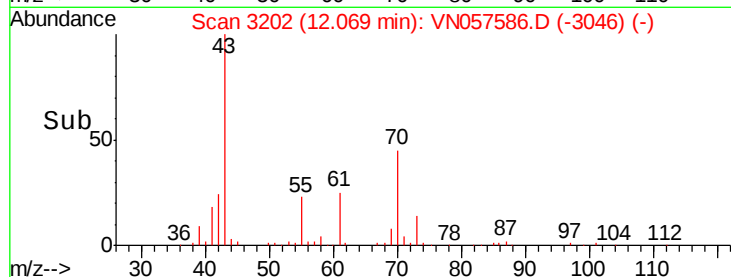
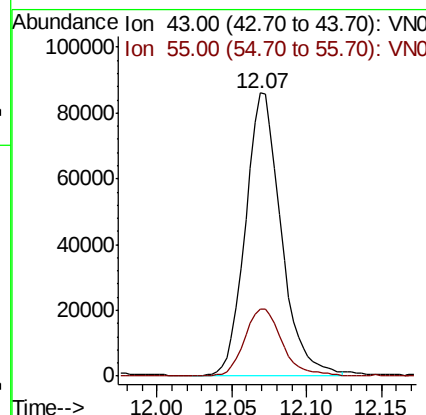
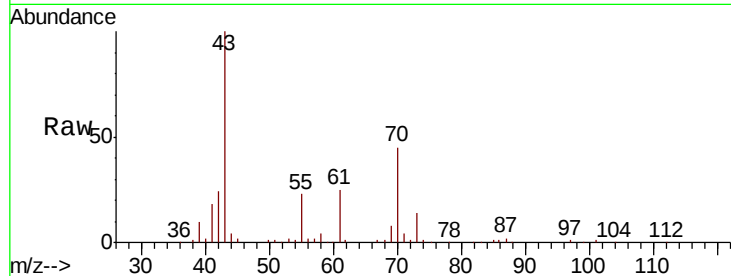




#47
n-amyl Acetate
Concen: 20.266 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN057586.D
Acq: 30 Aug 2019 13:53

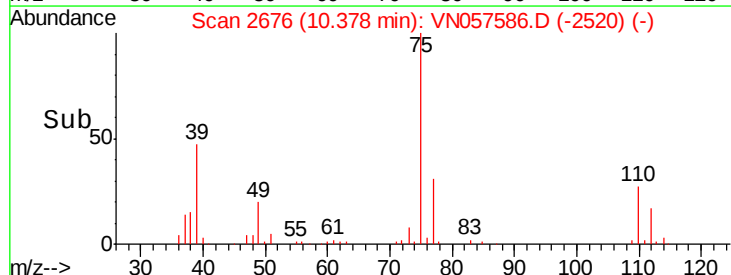
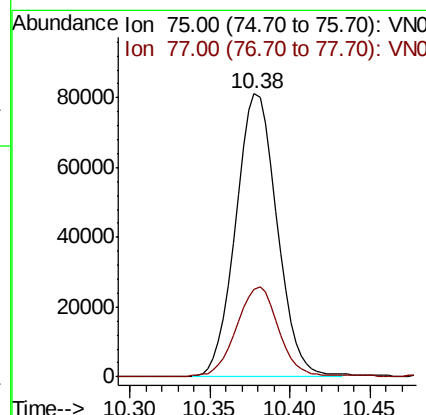
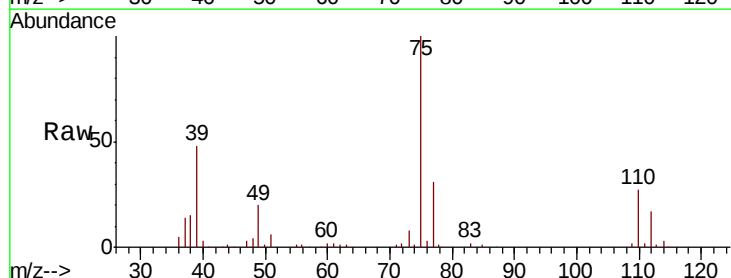
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD01

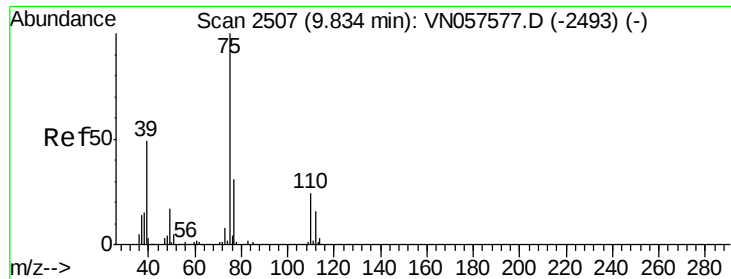
Tgt Ion: 43 Resp: 142365
Ion Ratio Lower Upper
43 100
55 25.2 20.2 30.2



#48
t-1,3-Dichloropropene
Concen: 18.348 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057586.D
Acq: 30 Aug 2019 13:53

Tgt Ion: 75 Resp: 142912
Ion Ratio Lower Upper
75 100
77 30.5 23.8 35.6



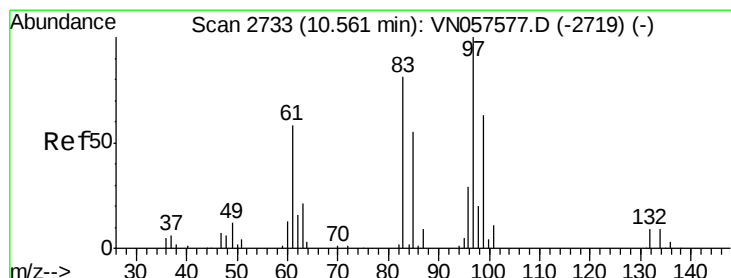
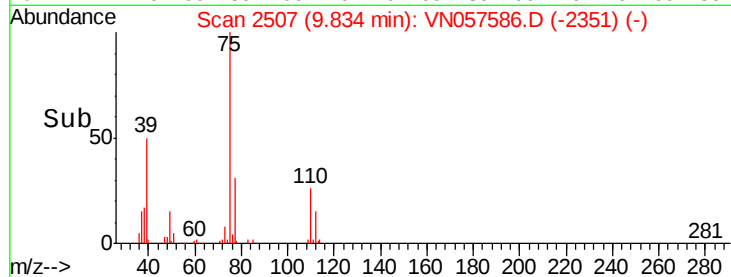
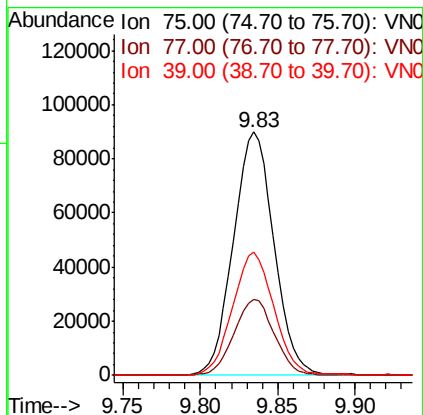
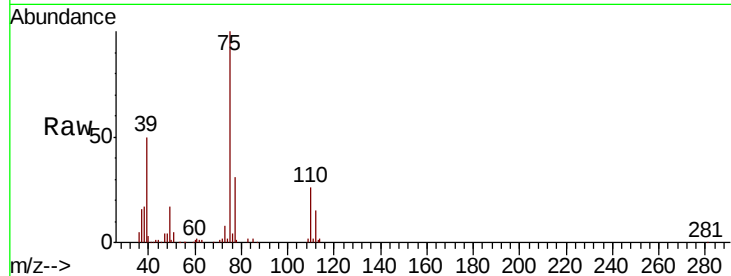


#49

cis-1,3-Dichloropropene
 Concen: 19.498 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057586.D
 Acq: 30 Aug 2019 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBSD01

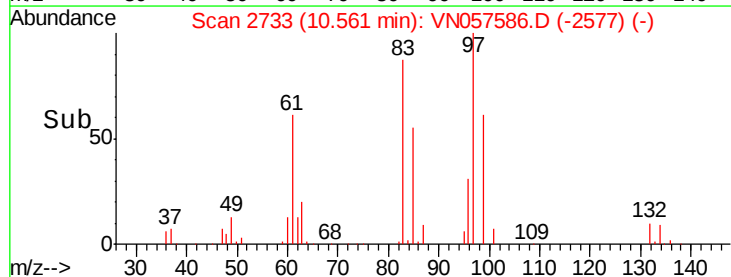
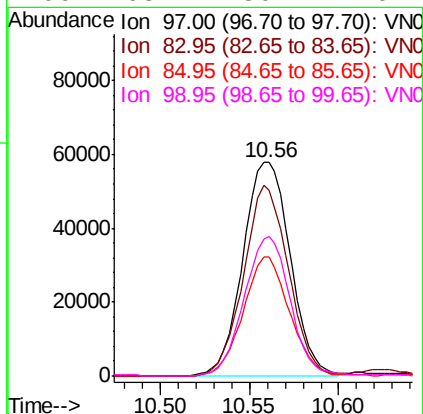
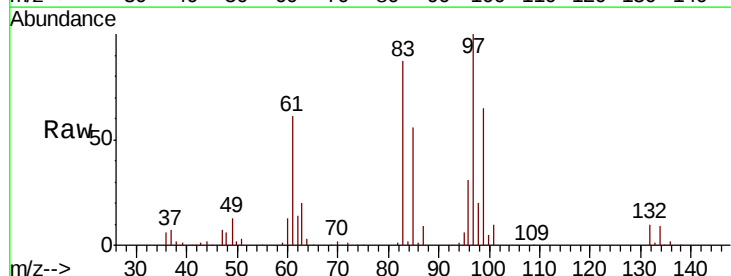
Tgt Ion:	75	Resp:	164478
Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4
39	50.1	39.0	58.4

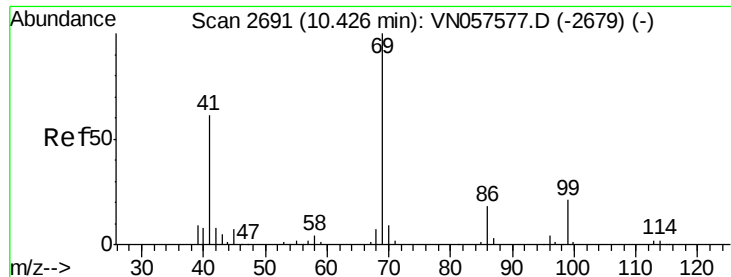


#50

1,1,2-Trichloroethane
 Concen: 19.657 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057586.D
 Acq: 30 Aug 2019 13:53

Tgt Ion:	97	Resp:	107454
Ion	Ratio	Lower	Upper
97	100		
83	86.7	65.1	97.7
85	55.9	43.7	65.5
99	65.1	50.7	76.1





#51

Ethyl methacrylate

Concen: 19.935 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA_N

ClientSampled :

VN0830WBSD01

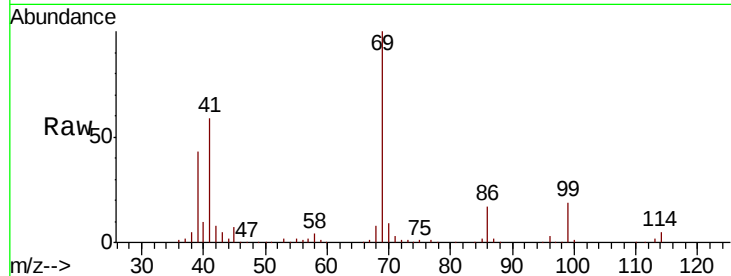
Tgt Ion: 69 Resp: 141836

Ion Ratio Lower Upper

69 100

41 58.6 30.6 92.0

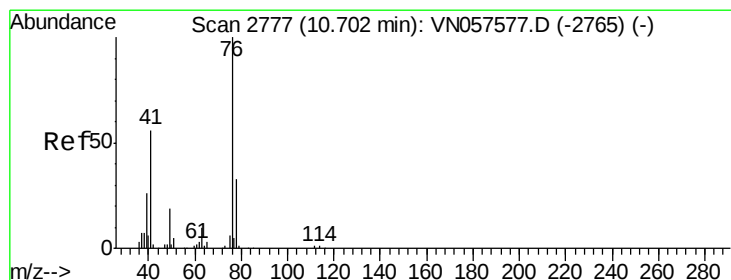
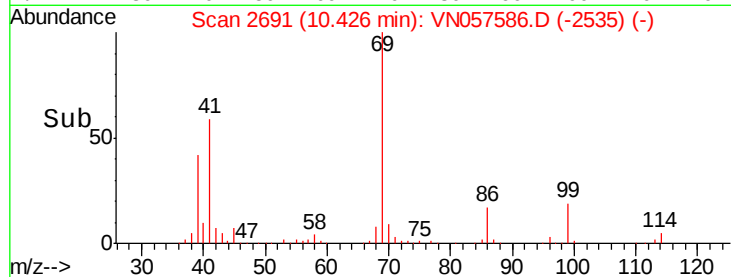
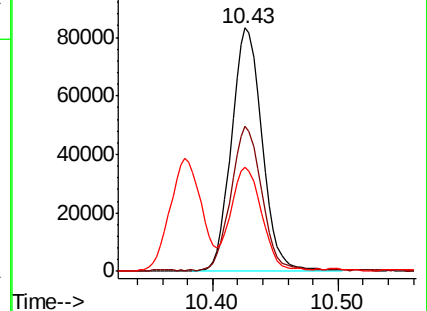
39 42.1 22.3 66.9



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: 20.177 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057586.D

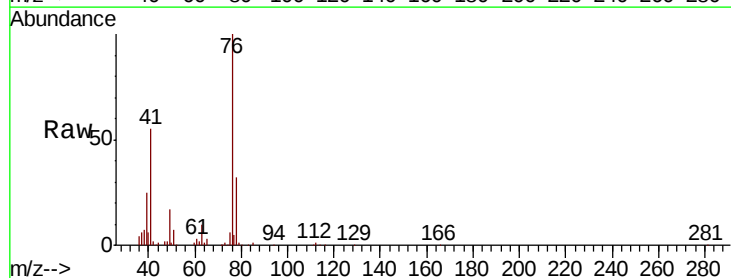
Acq: 30 Aug 2019 13:53

Tgt Ion: 76 Resp: 171863

Ion Ratio Lower Upper

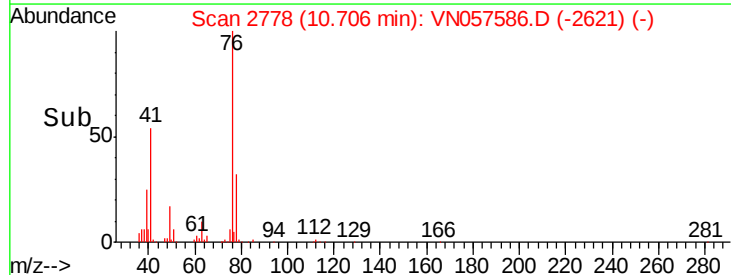
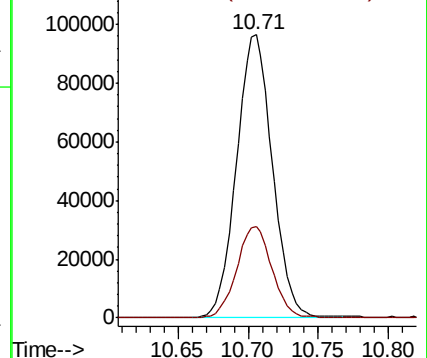
76 100

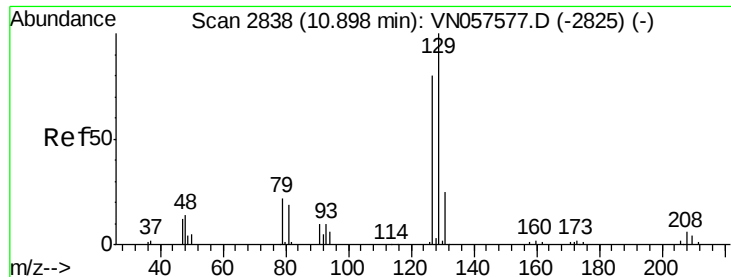
78 31.6 0.0 67.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

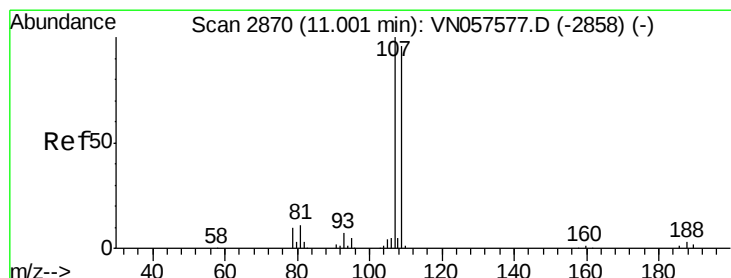
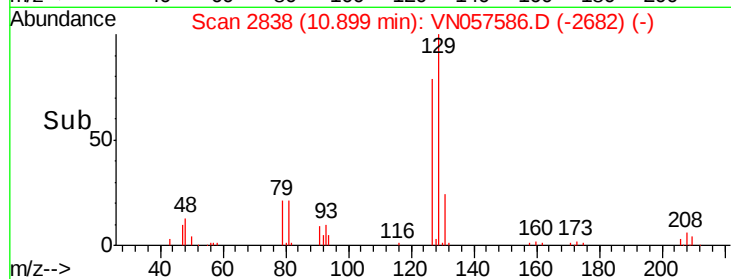
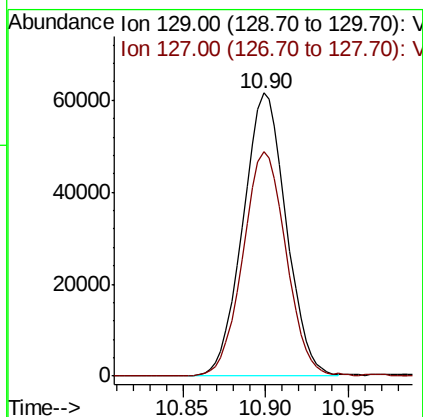
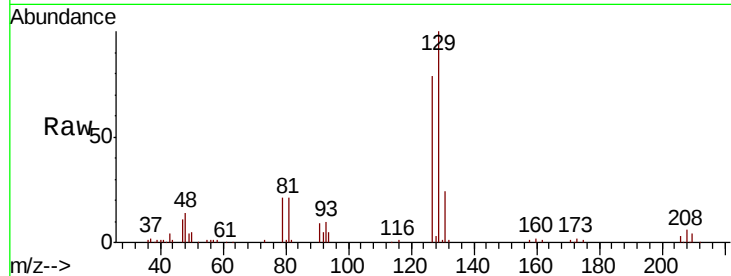




#53
Dibromochloromethane
Concen: 18.152 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057586.D
Acq: 30 Aug 2019 13:53

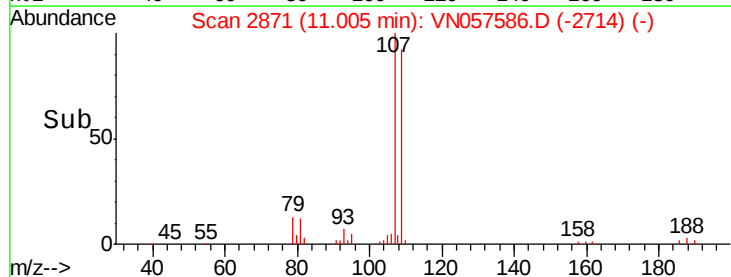
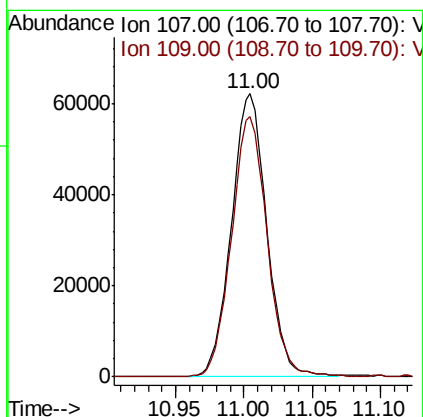
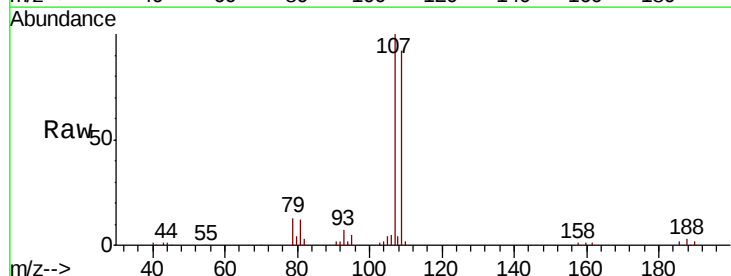
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD01

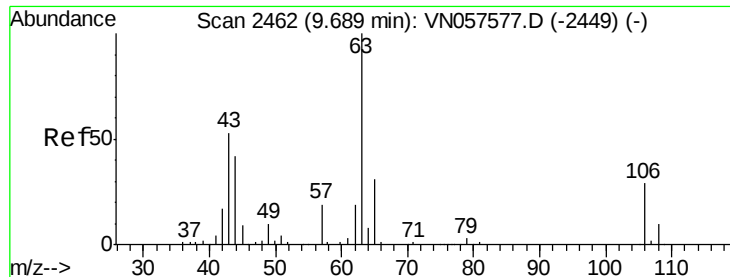
Tgt Ion:129 Resp: 111720
Ion Ratio Lower Upper
129 100
127 78.9 38.9 116.7



#54
1,2-Dibromoethane
Concen: 19.749 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN057586.D
Acq: 30 Aug 2019 13:53

Tgt Ion:107 Resp: 111898
Ion Ratio Lower Upper
107 100
109 92.9 75.2 112.8

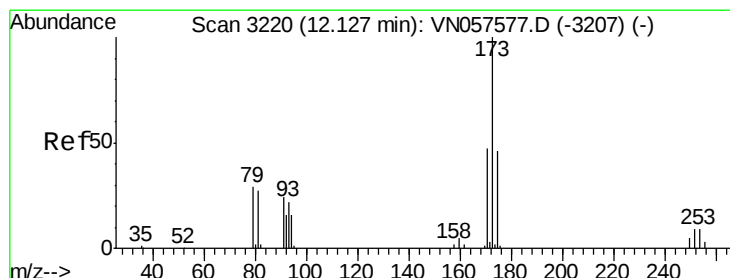
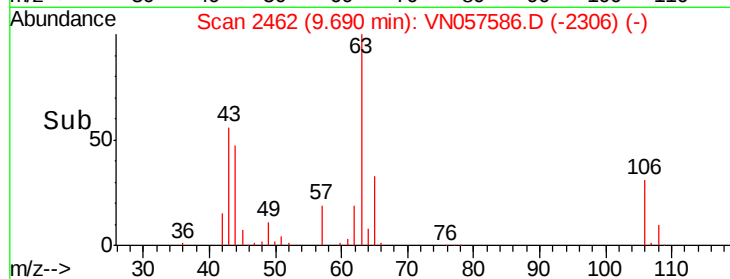
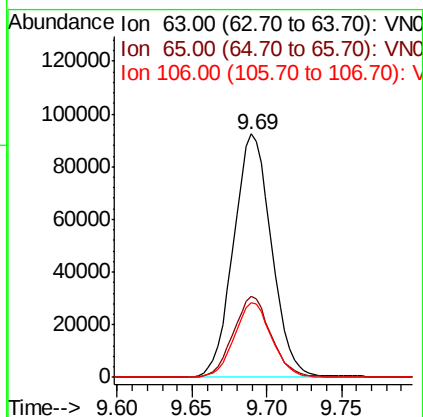
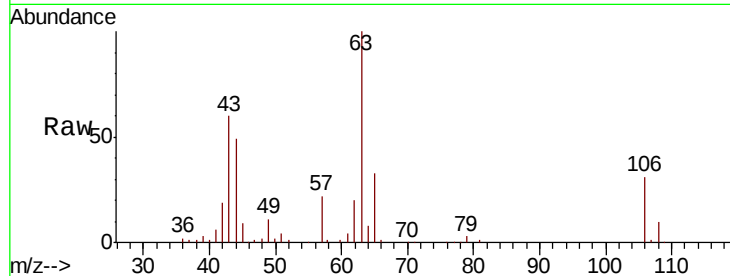




#55
 2-Chloroethyl vinyl ether
 Concen: 93.685 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057586.D
 Acq: 30 Aug 2019 13:53

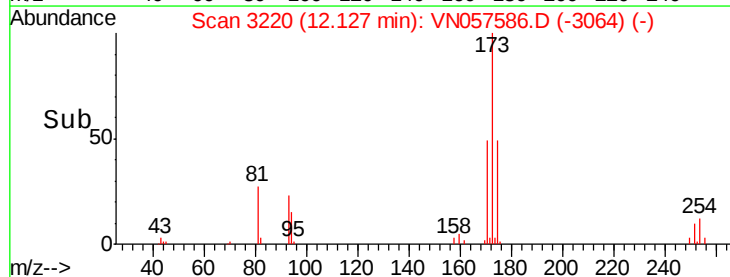
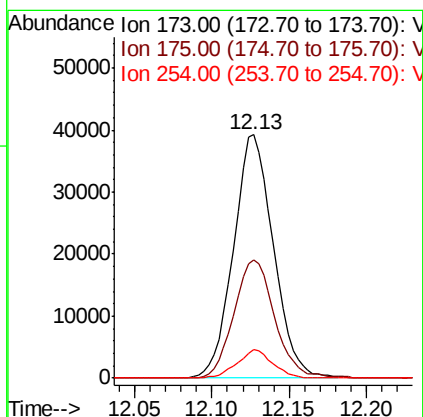
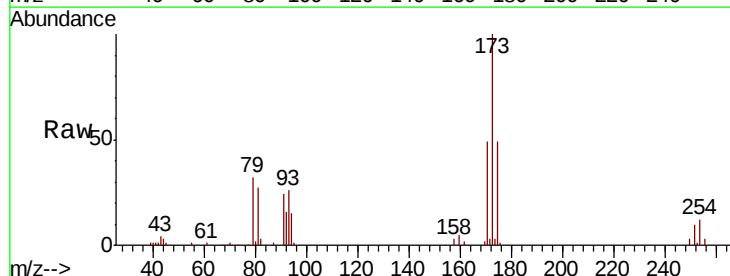
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBSD01

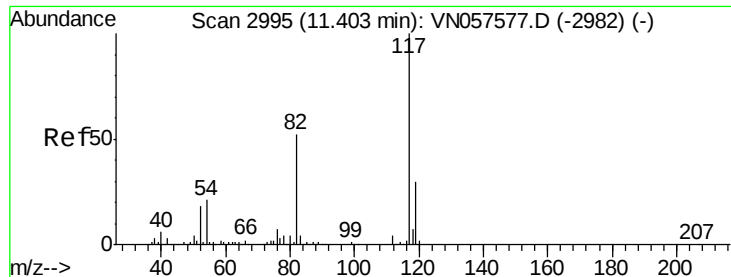
Tgt Ion: 63 Resp: 163607
 Ion Ratio Lower Upper
 63 100
 65 33.0 25.0 37.4
 106 30.1 23.7 35.5



#56
 Bromoform
 Concen: 17.504 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN057586.D
 Acq: 30 Aug 2019 13:53

Tgt Ion: 173 Resp: 70450
 Ion Ratio Lower Upper
 173 100
 175 49.2 37.3 55.9
 254 10.4 2.2 3.2#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD01

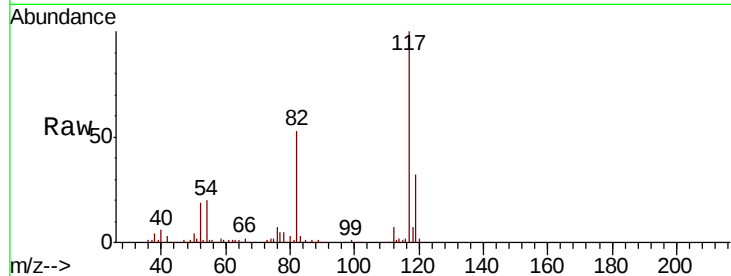
Tgt Ion:117 Resp: 436023

Ion Ratio Lower Upper

117 100

82 53.2 42.6 63.8

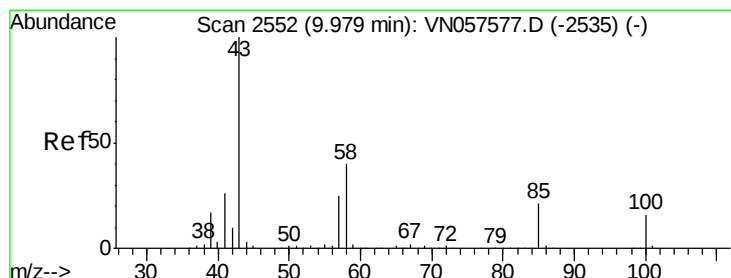
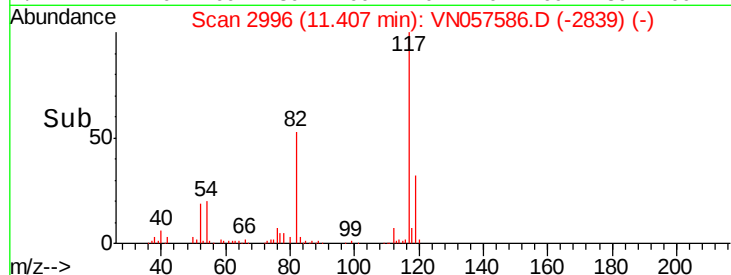
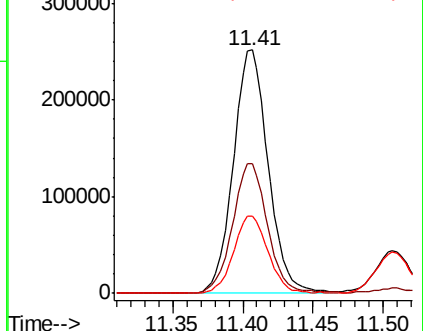
119 31.3 25.0 37.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VN

Ion 119.00 (118.70 to 119.70): V



#58

4-Methyl-2-Pentanone

Concen: 118.935 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

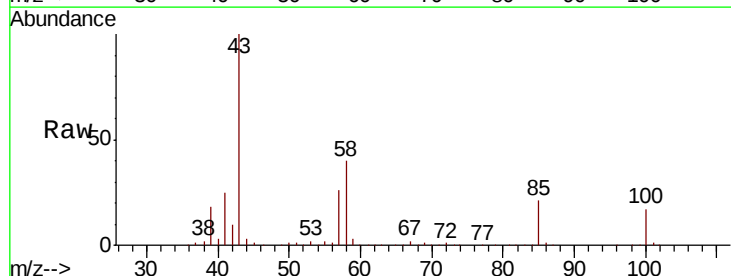
Tgt Ion: 43 Resp: 524029

Ion Ratio Lower Upper

43 100

58 39.6 32.1 48.1

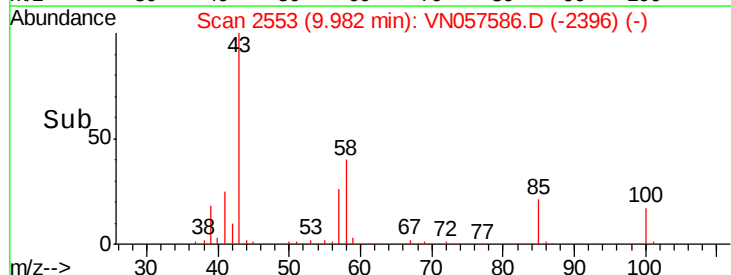
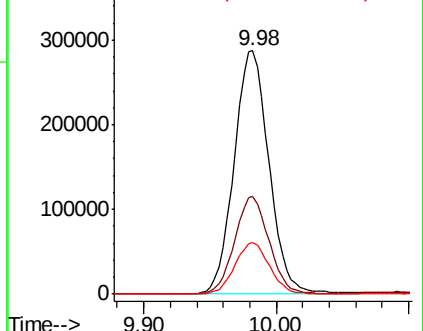
85 21.1 16.6 24.8

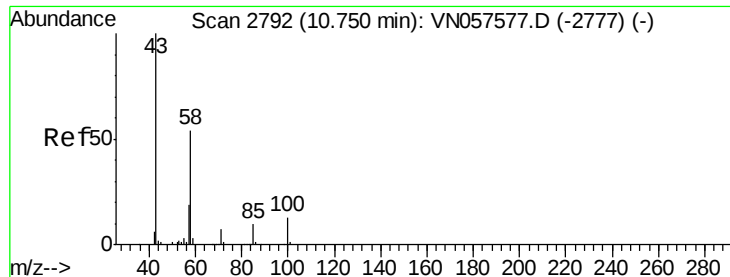


Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

Ion 85.00 (84.70 to 85.70): VN

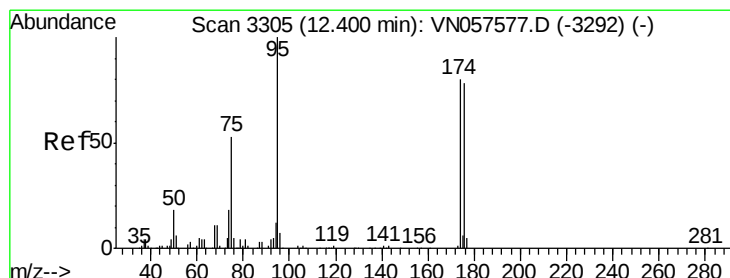
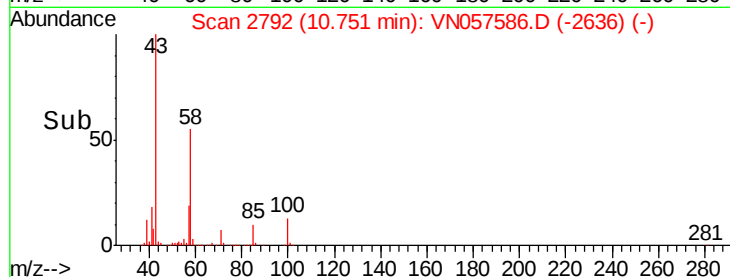
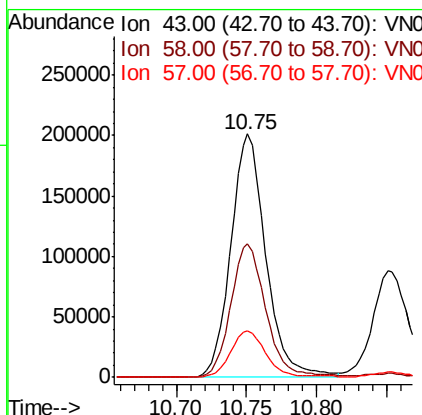
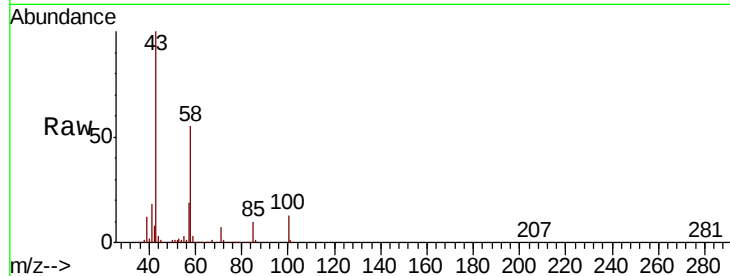




#59
2-Hexanone
Concen: 111.586 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057586.D
Acq: 30 Aug 2019 13:53

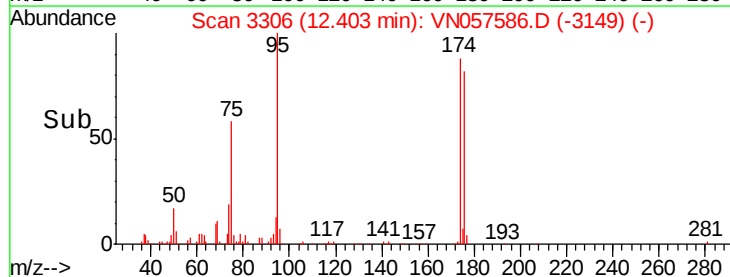
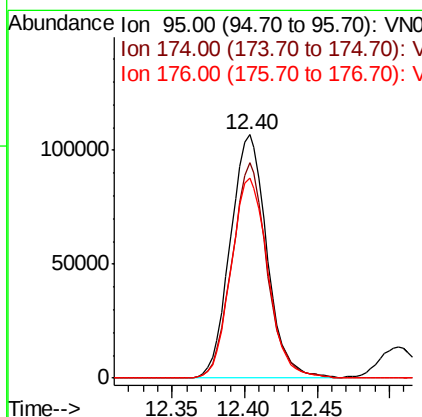
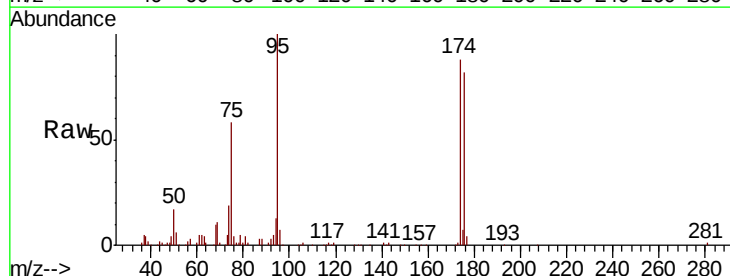
Instrument :
MSVOA_N
ClientSampled :
VN0830WBSD01

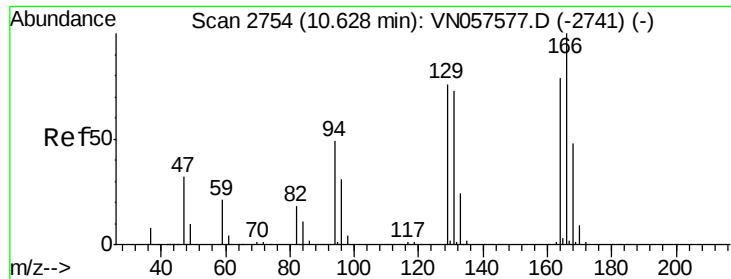
Tgt Ion: 43 Resp: 347623
Ion Ratio Lower Upper
43 100
58 55.6 42.9 64.3
57 19.2 15.4 23.2



#60
4-Bromofluorobenzene
Concen: 28.255 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057586.D
Acq: 30 Aug 2019 13:53

Tgt Ion: 95 Resp: 187292
Ion Ratio Lower Upper
95 100
174 85.3 66.2 99.2
176 82.5 65.0 97.6

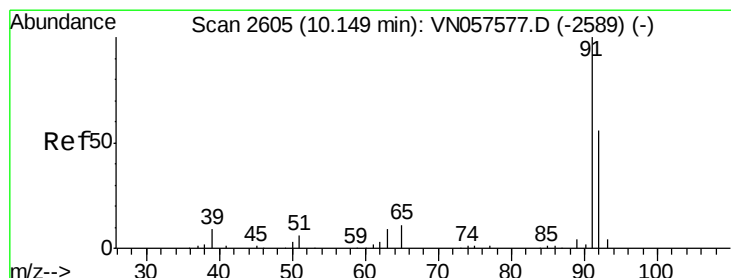
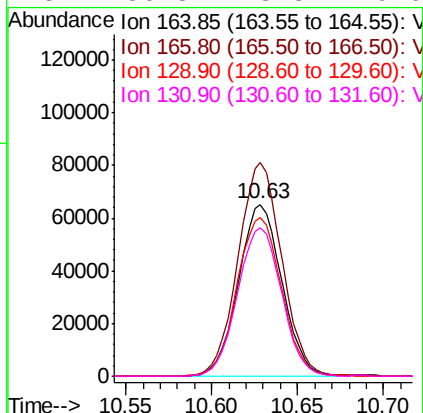
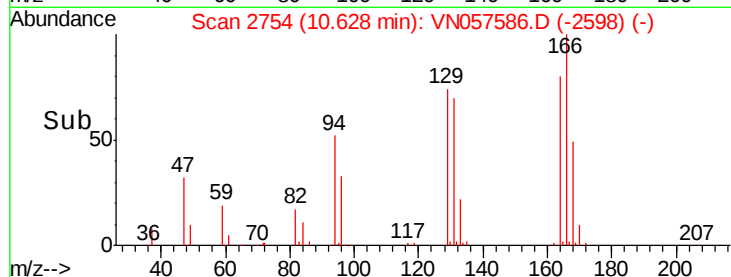
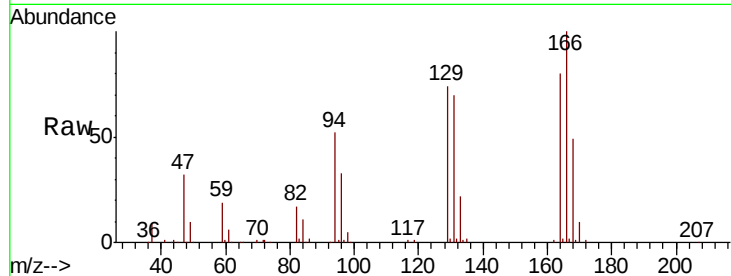




#61
Tetrachloroethene
Concen: 20.558 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057586.D
Acq: 30 Aug 2019 13:53

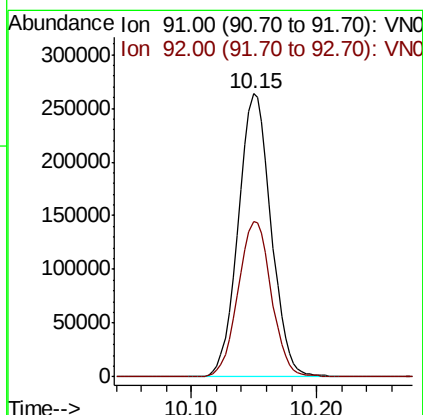
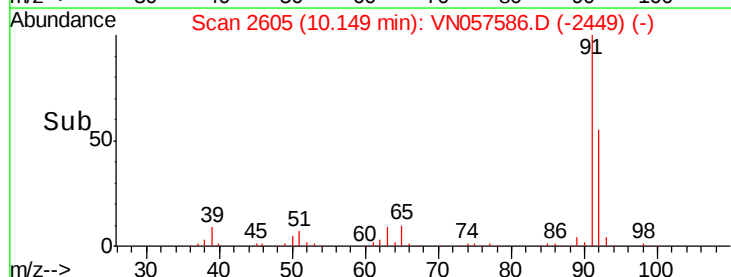
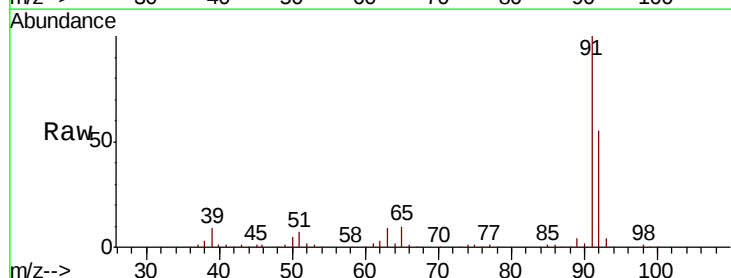
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD01

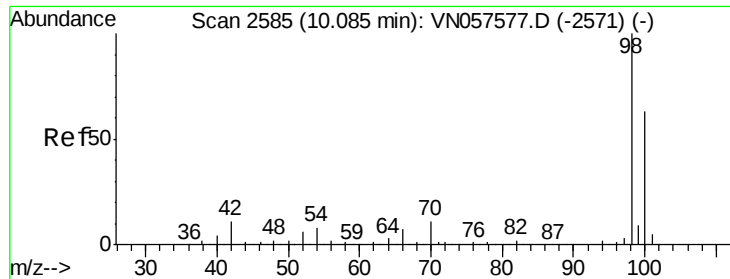
Tgt Ion:164 Resp: 114594
Ion Ratio Lower Upper
164 100
166 124.5 100.7 151.1
129 91.8 76.3 114.5
131 86.3 73.8 110.6



#62
Toluene
Concen: 21.626 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN057586.D
Acq: 30 Aug 2019 13:53

Tgt Ion: 91 Resp: 478131
Ion Ratio Lower Upper
91 100
92 55.7 45.4 68.2





#63

Toluene-d8

Concen: 30.350 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

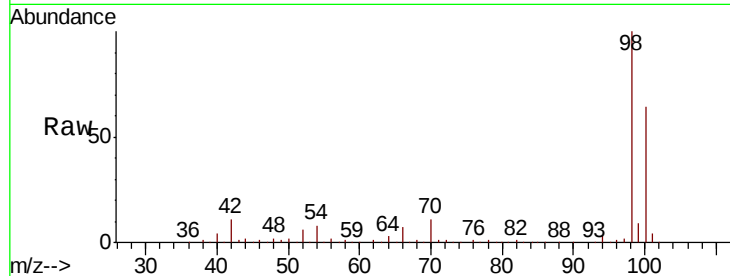
VN0830WBSD01

Tgt Ion: 98 Resp: 612841

Ion Ratio Lower Upper

98 100

100 62.9 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN057577.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN057577.D (-2571) (-)

10.09

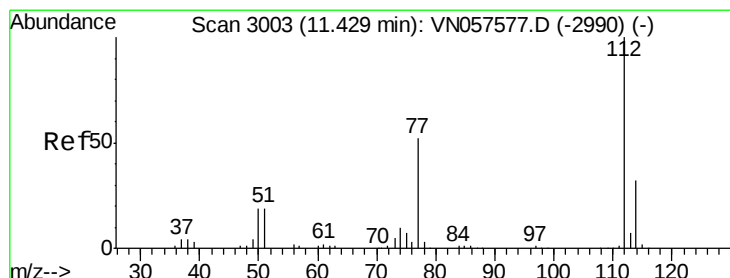
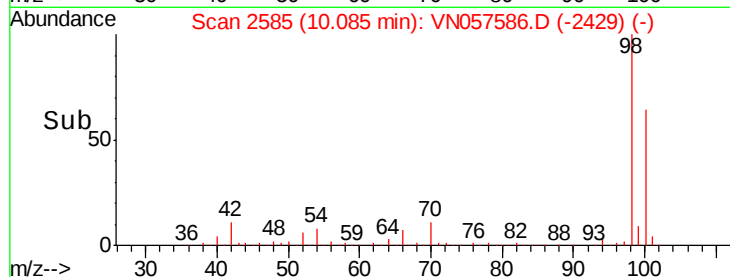
300000

200000

100000

0

Time-->



#64

Chlorobenzene

Concen: 19.992 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057586.D

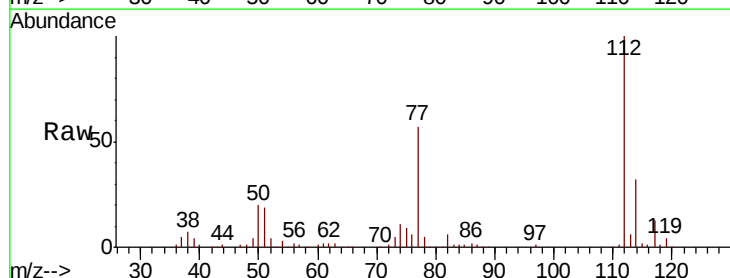
Acq: 30 Aug 2019 13:53

Tgt Ion: 112 Resp: 284634

Ion Ratio Lower Upper

112 100

114 32.3 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): VN057577.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN057577.D (-2990) (-)

11.43

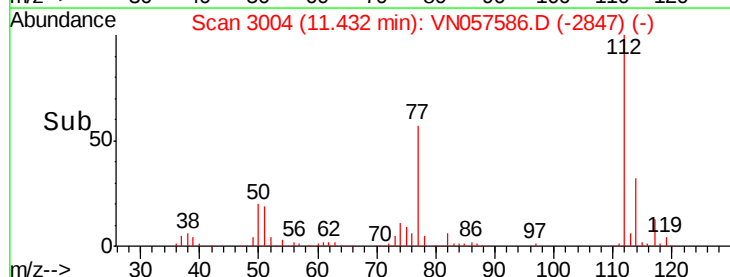
150000

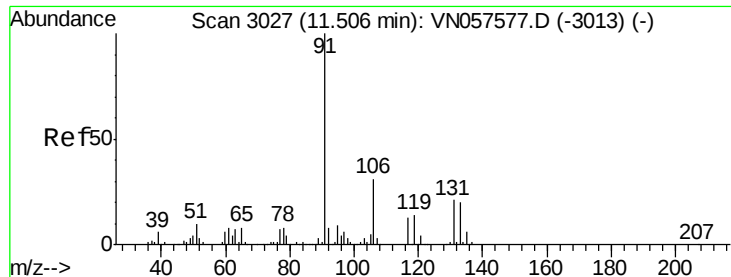
100000

50000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.641 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD01

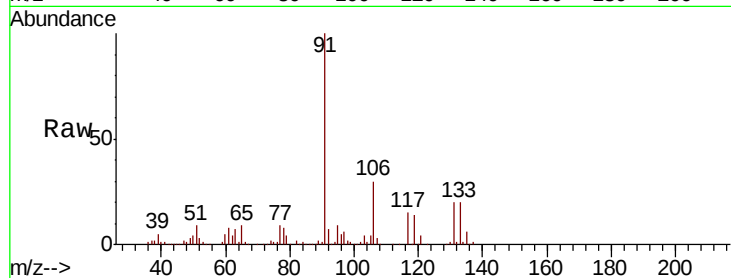
Tgt Ion:131 Resp: 110972

Ion Ratio Lower Upper

131 100

133 93.2 0.0 186.0

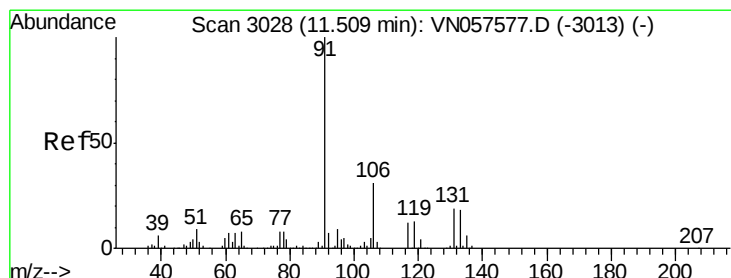
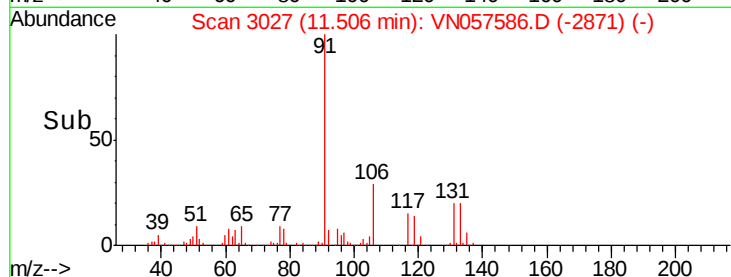
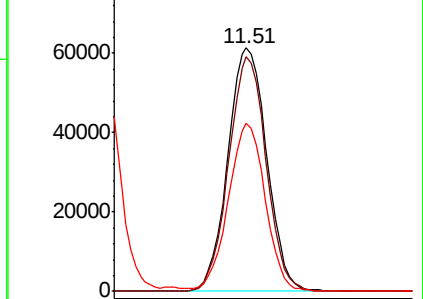
119 65.3 0.0 134.6



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: 21.804 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057586.D

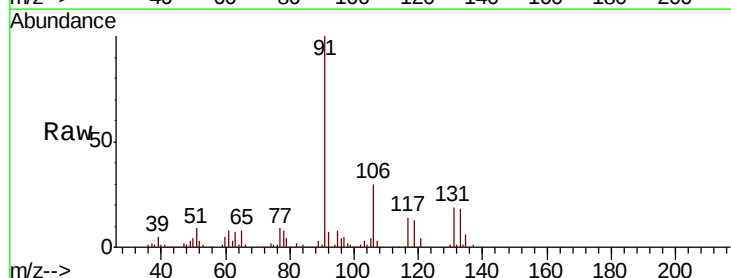
Acq: 30 Aug 2019 13:53

Tgt Ion: 91 Resp: 518616

Ion Ratio Lower Upper

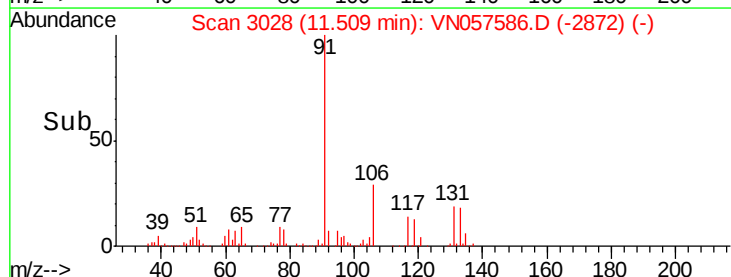
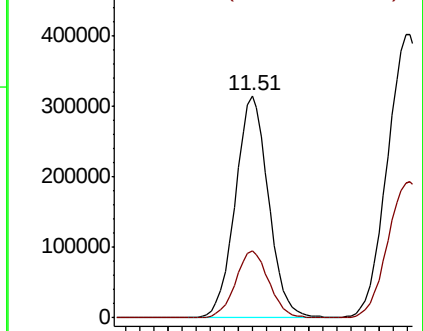
91 100

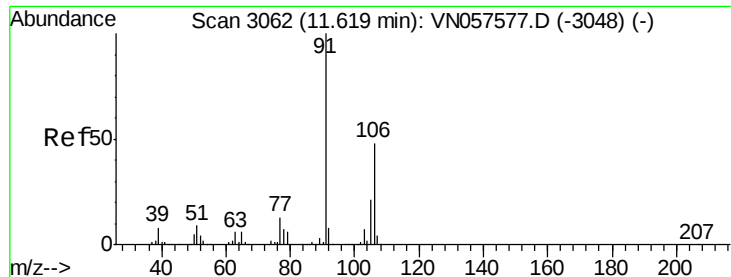
106 30.2 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 40.610 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

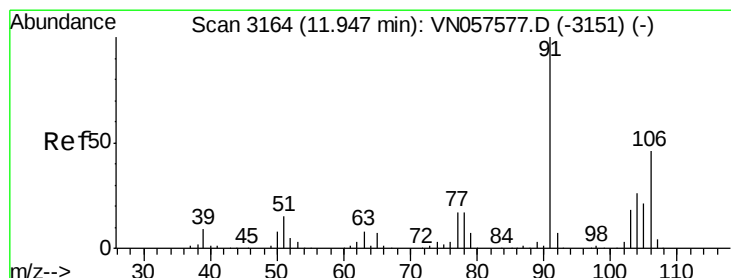
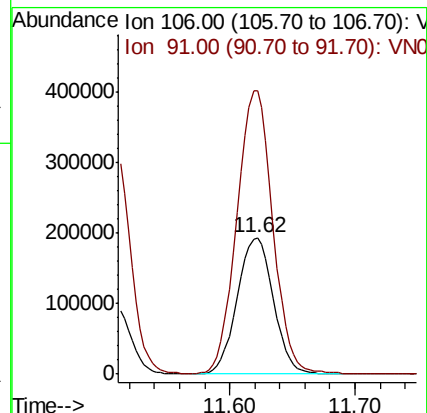
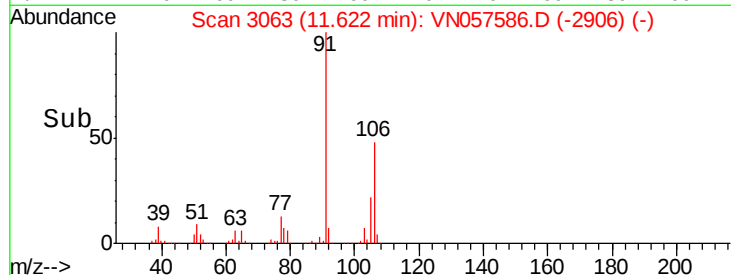
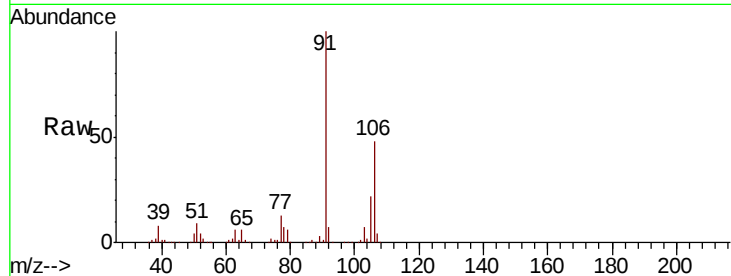
VN0830WBSD01

Tgt Ion:106 Resp: 386455

Ion Ratio Lower Upper

106 100

91 206.1 164.1 246.1



#68

o-Xylene

Concen: 19.910 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN057586.D

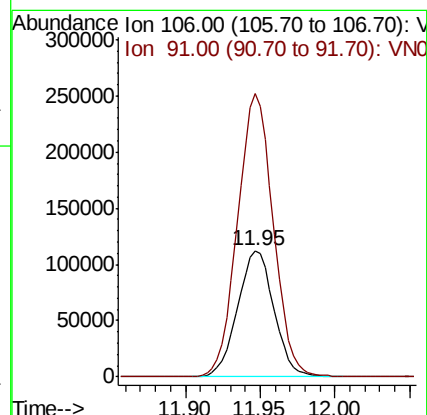
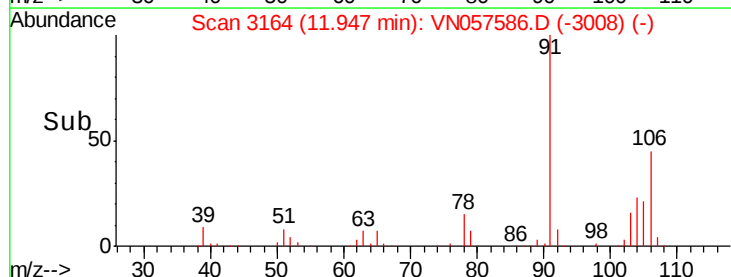
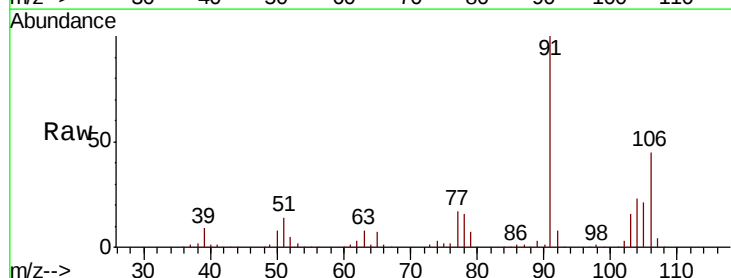
Acq: 30 Aug 2019 13:53

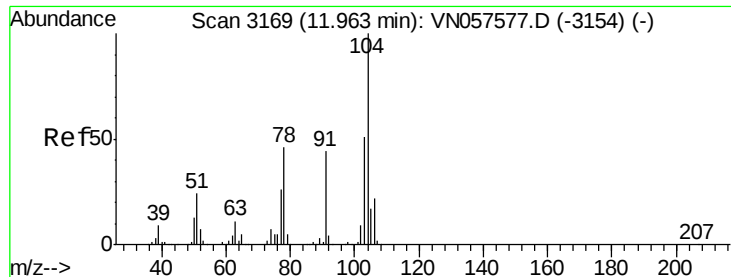
Tgt Ion:106 Resp: 190361

Ion Ratio Lower Upper

106 100

91 220.1 107.8 323.6

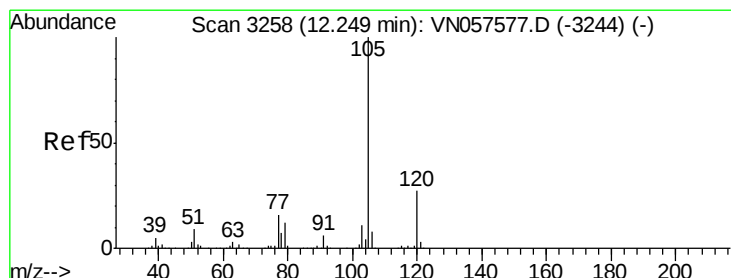
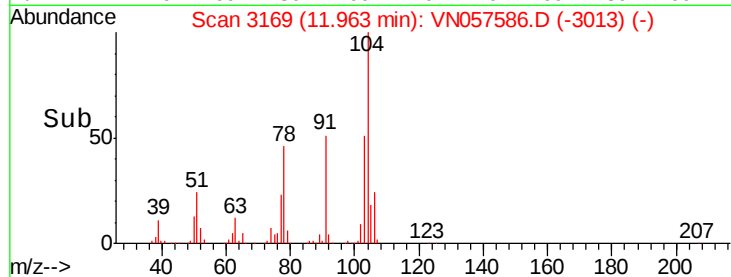
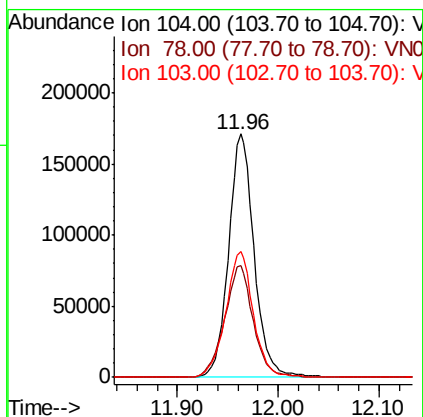
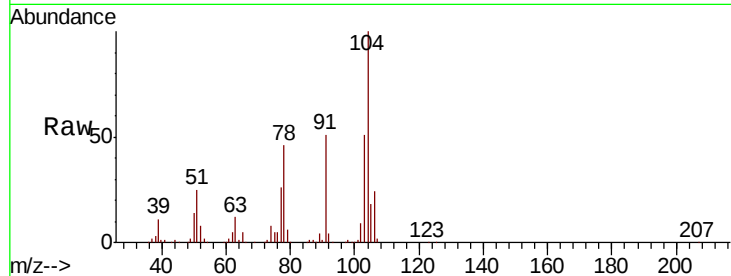




#69
Styrene
Concen: 19.907 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057586.D
Acq: 30 Aug 2019 13:53

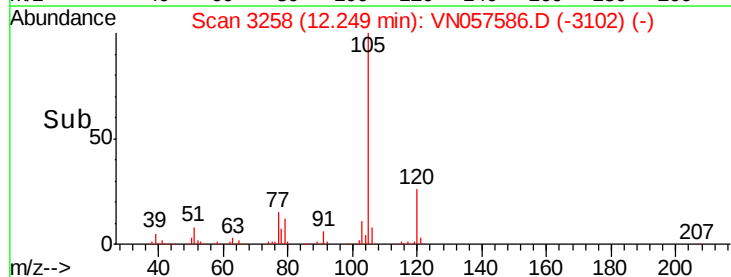
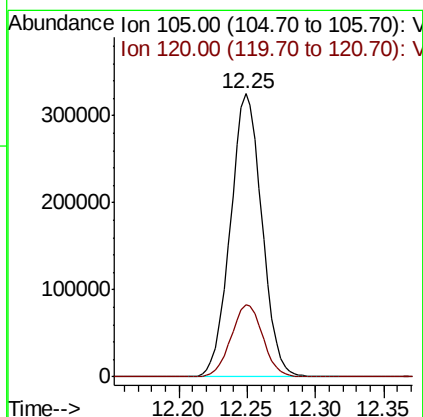
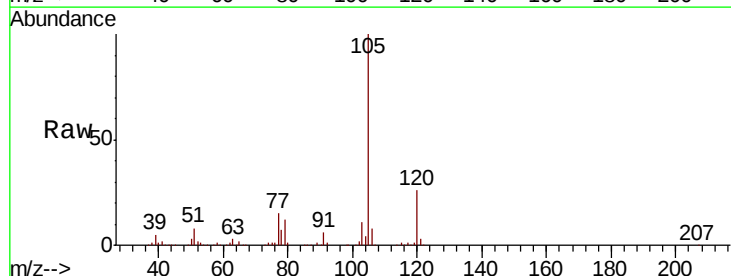
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD01

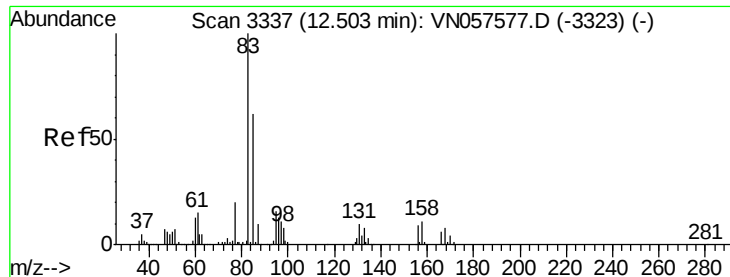
Tgt Ion:104 Resp: 301676
Ion Ratio Lower Upper
104 100
78 51.4 41.4 62.0
103 56.0 44.8 67.2



#70
Isopropylbenzene
Concen: 21.781 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057586.D
Acq: 30 Aug 2019 13:53

Tgt Ion:105 Resp: 522023
Ion Ratio Lower Upper
105 100
120 25.7 18.7 34.7





#71

1,1,2,2-Tetrachloroethane

Concen: 21.075 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD01

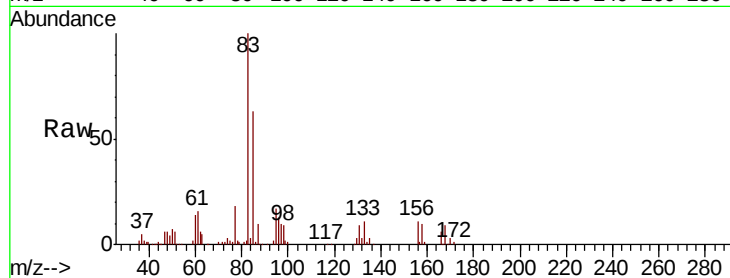
Tgt Ion: 83 Resp: 134357

Ion Ratio Lower Upper

83 100

131 10.1 5.2 15.6

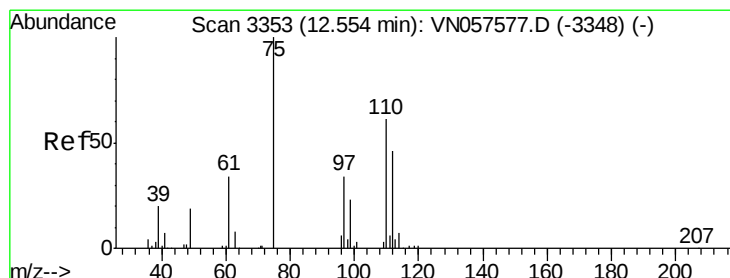
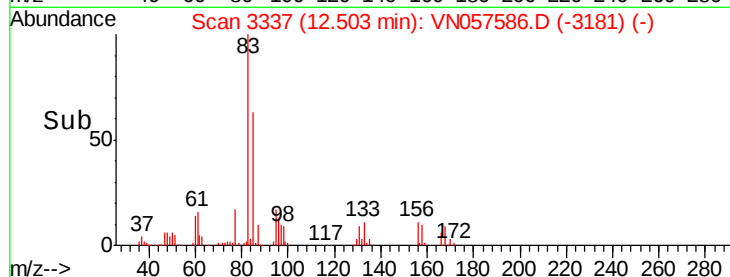
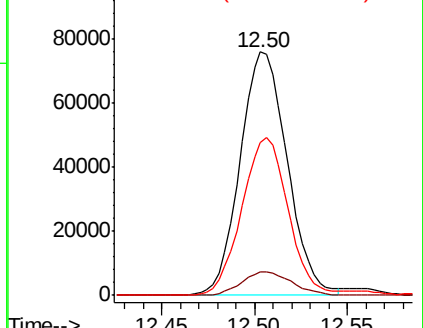
85 63.5 31.6 94.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN

Ion 85.00 (84.70 to 85.70): VN



#72

1,2,3-Trichloropropane

Concen: 29.053 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057586.D

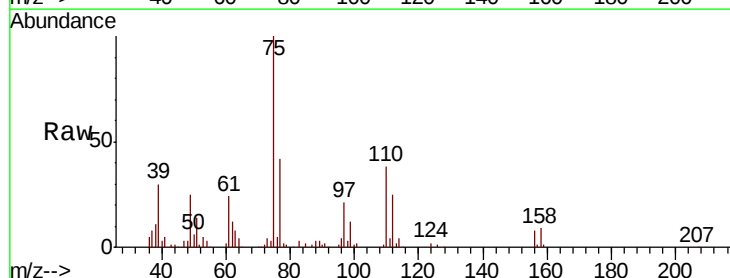
Acq: 30 Aug 2019 13:53

Tgt Ion: 75 Resp: 157233

Ion Ratio Lower Upper

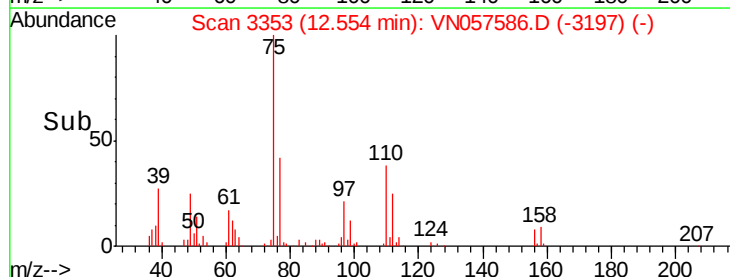
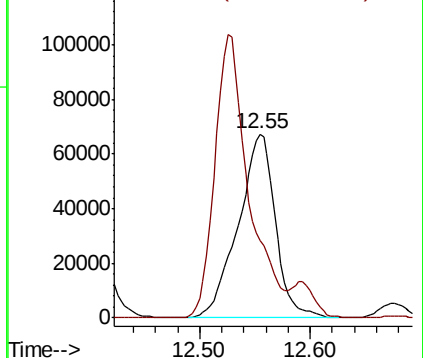
75 100

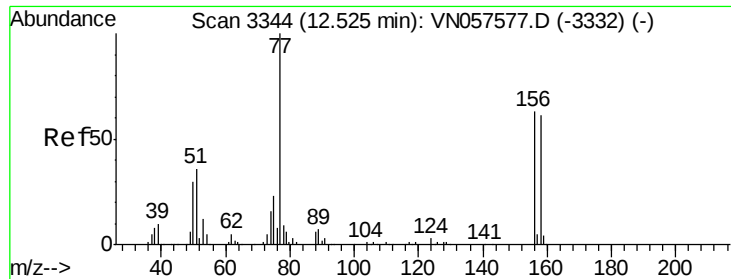
77 140.9 0.0 399.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 19.510 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA_N

ClientSampled :

VN0830WBSD01

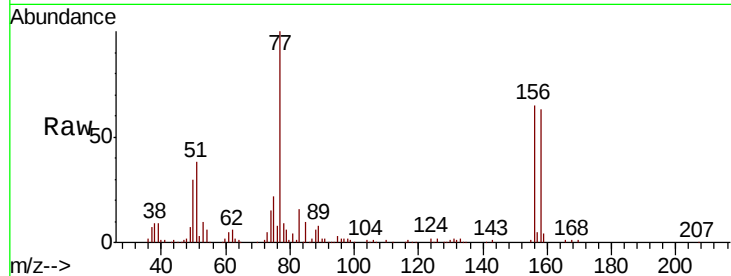
Tgt Ion:156 Resp: 119535

Ion Ratio Lower Upper

156 100

77 185.3 0.0 374.6

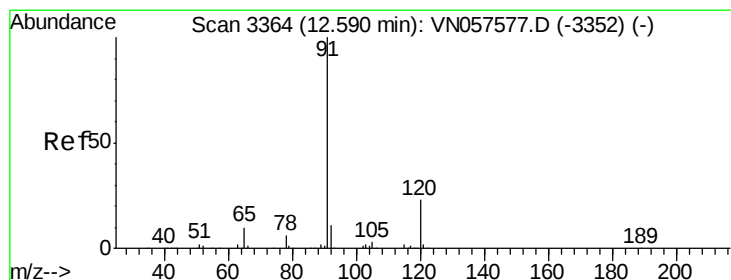
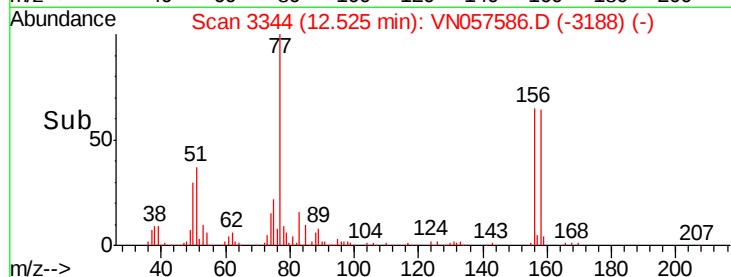
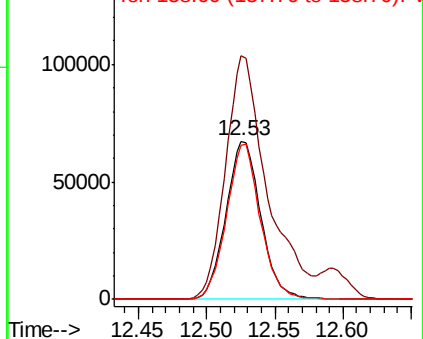
158 95.6 0.0 197.4



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: 21.925 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057586.D

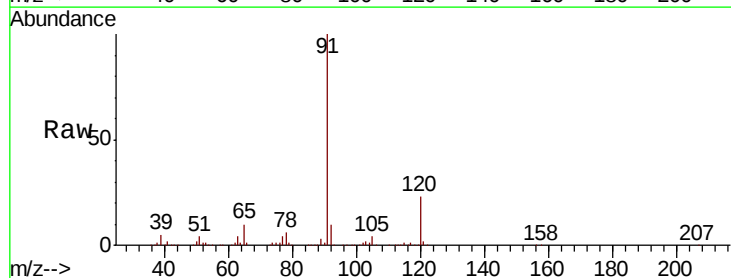
Acq: 30 Aug 2019 13:53

Tgt Ion: 91 Resp: 541702

Ion Ratio Lower Upper

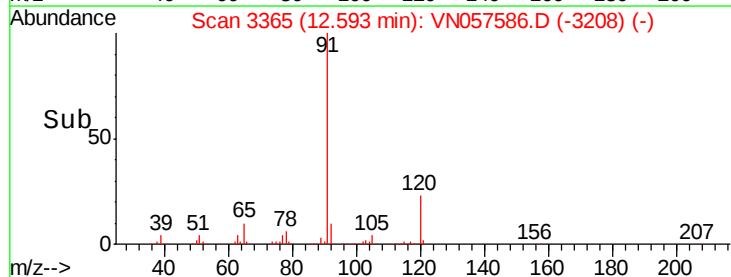
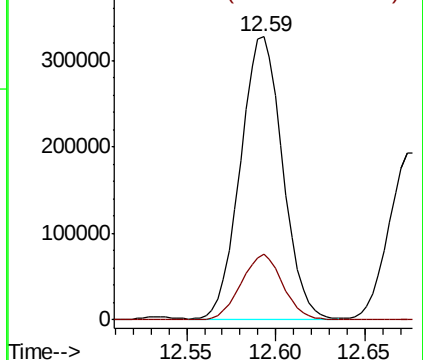
91 100

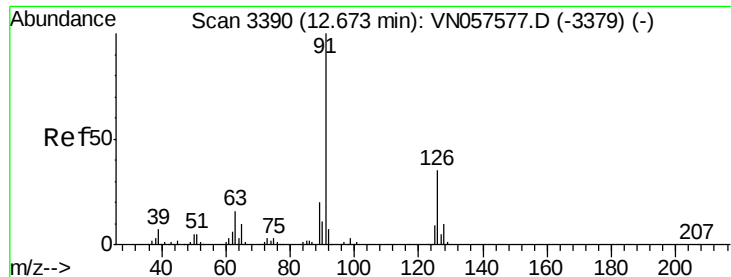
120 22.8 0.0 46.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.285 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

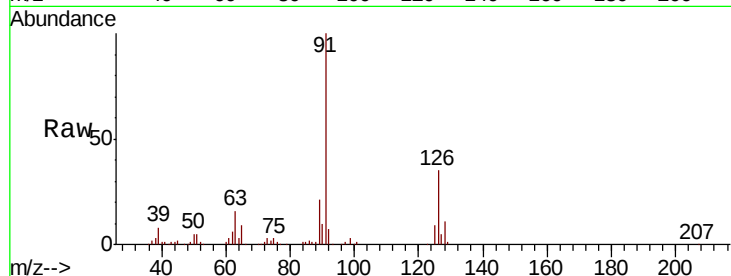
VN0830WBSD01

Tgt Ion: 91 Resp: 323723

Ion Ratio Lower Upper

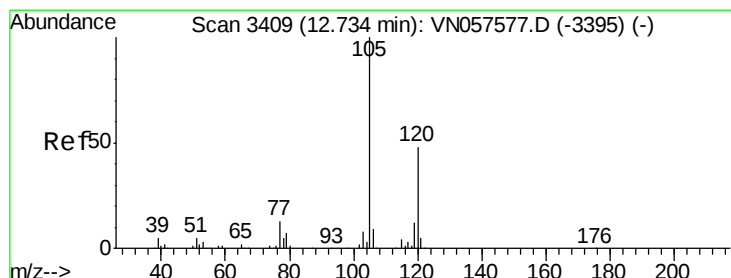
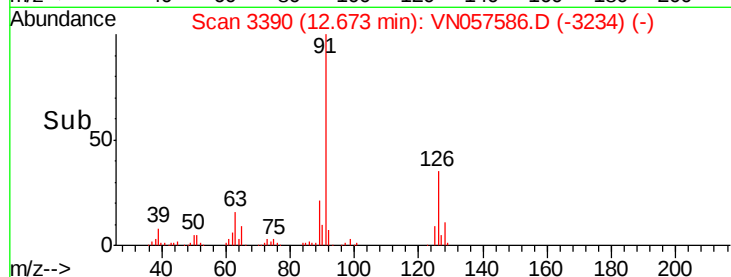
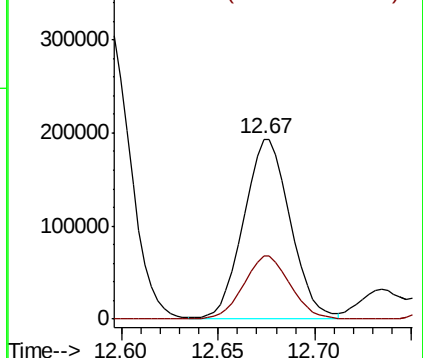
91 100

126 35.2 0.0 70.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 21.347 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057586.D

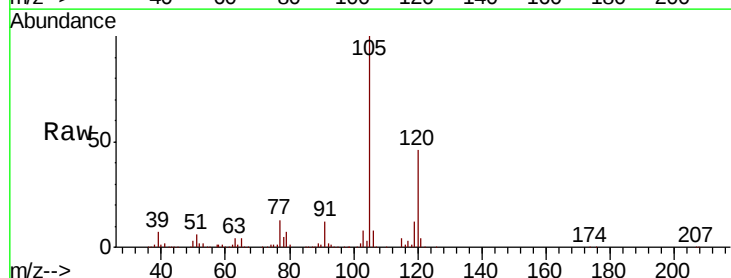
Acq: 30 Aug 2019 13:53

Tgt Ion: 105 Resp: 432972

Ion Ratio Lower Upper

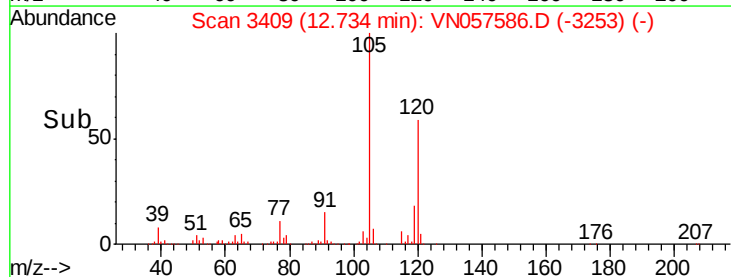
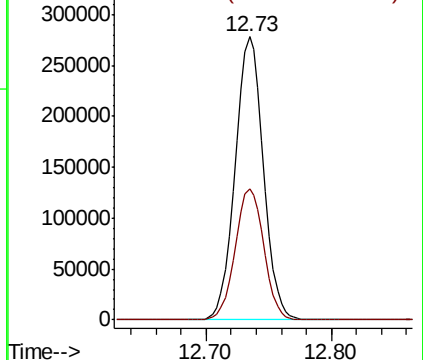
105 100

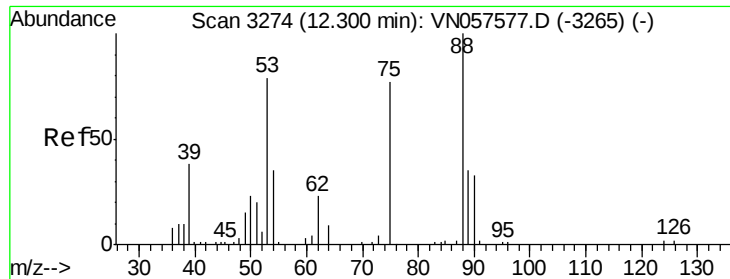
120 47.1 0.0 95.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

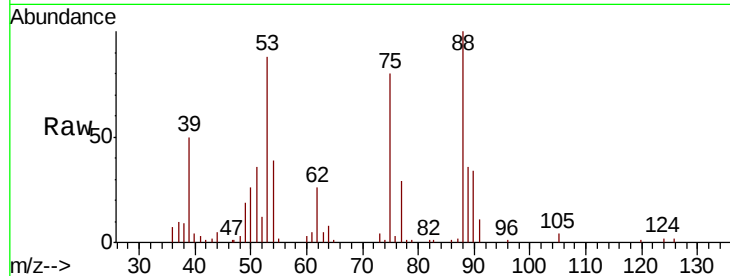




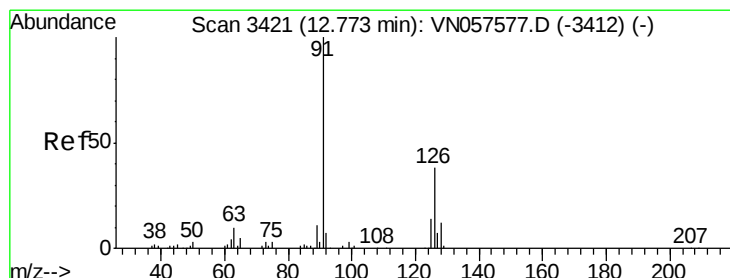
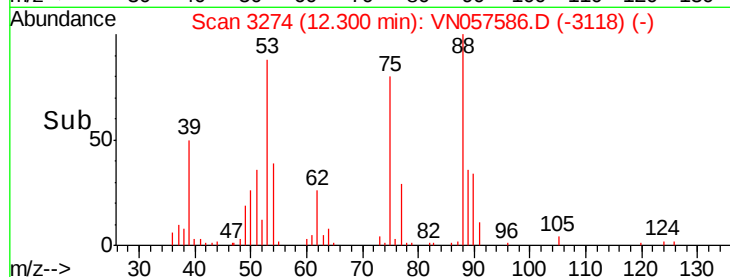
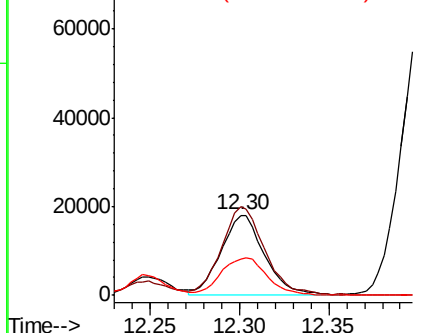
#77
t-1,4-Dichloro-2-butene
Concen: 17.925 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057586.D
Acq: 30 Aug 2019 13:53

Instrument :
MSVOA_N
ClientSampled :
VN0830WBSD01

Tgt Ion: 75 Resp: 30725
Ion Ratio Lower Upper
75 100
53 109.6 52.8 158.4
89 45.3 23.2 69.5

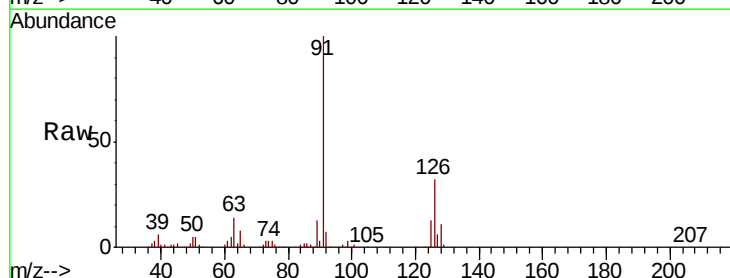


Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0

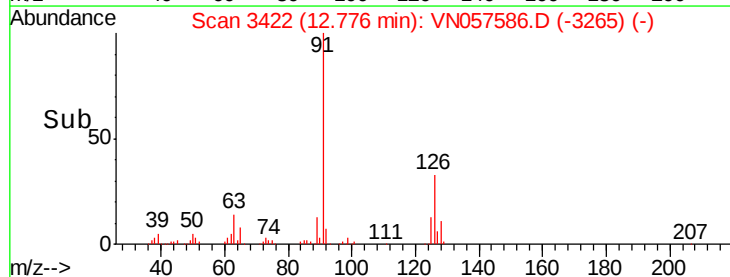
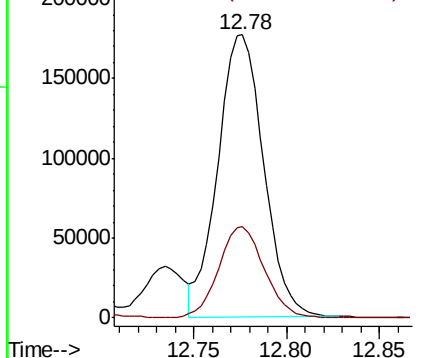


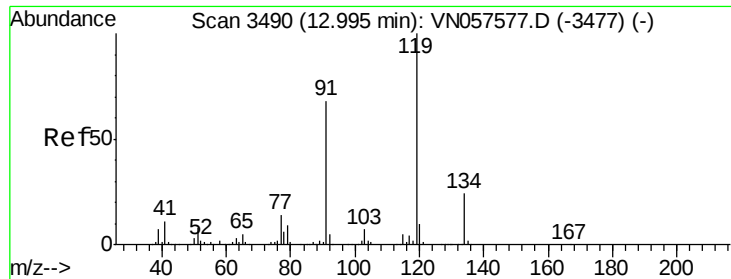
#78
4-Chlorotoluene
Concen: 19.666 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN057586.D
Acq: 30 Aug 2019 13:53

Tgt Ion: 91 Resp: 301898
Ion Ratio Lower Upper
91 100
126 32.5 0.0 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 126.00 (125.70 to 126.70): V

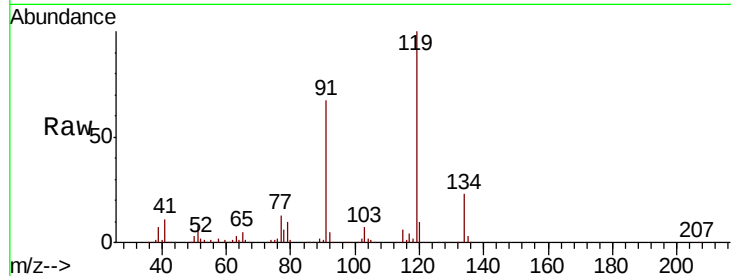




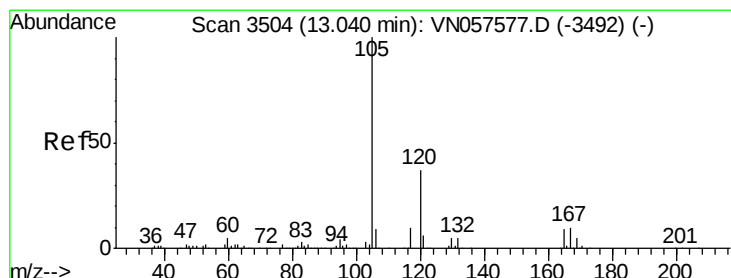
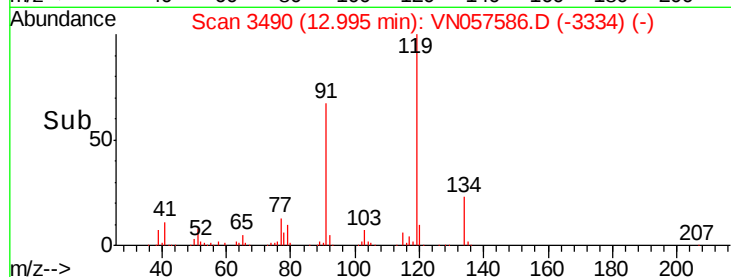
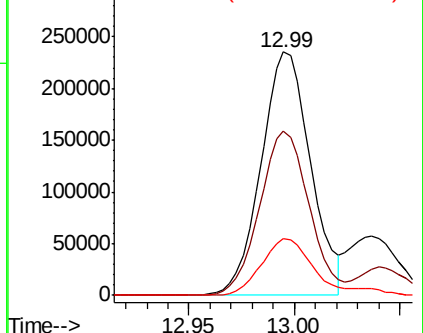
#79
tert-butylbenzene
Concen: 20.725 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057586.D
Acq: 30 Aug 2019 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD01

Tgt Ion:119 Resp: 384179
Ion Ratio Lower Upper
119 100
91 67.5 0.0 137.6
134 23.7 0.0 47.8

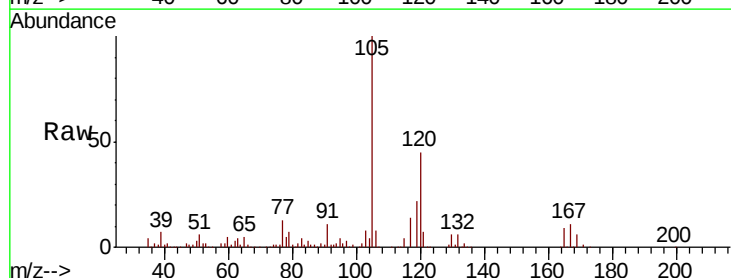


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V

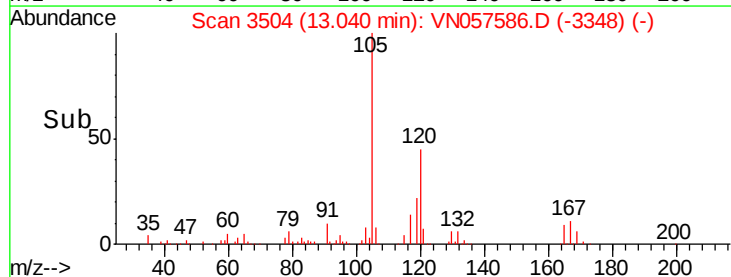
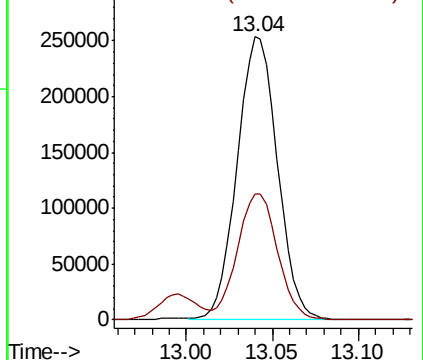


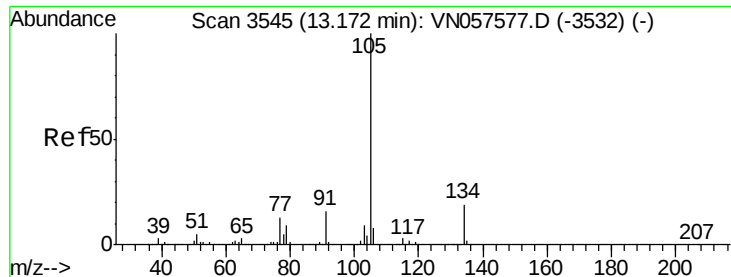
#80
1,2,4-Trimethylbenzene
Concen: 21.514 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057586.D
Acq: 30 Aug 2019 13:53

Tgt Ion:105 Resp: 411331
Ion Ratio Lower Upper
105 100
120 44.5 0.0 87.2



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

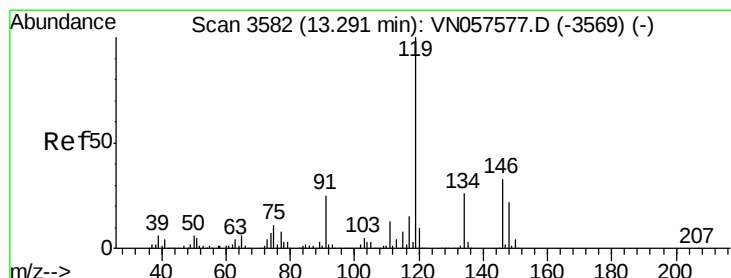
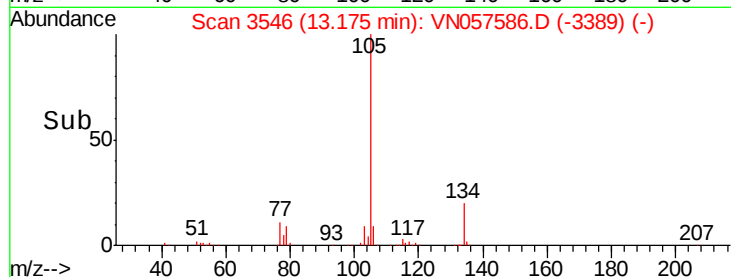
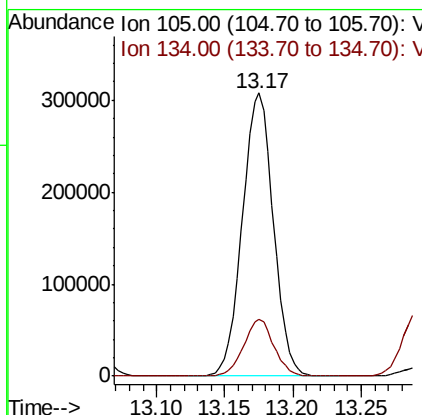
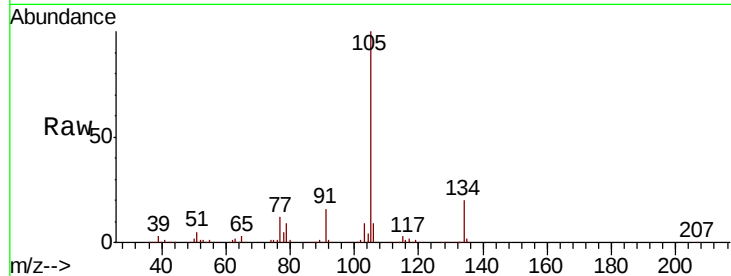




#81
 sec-Butylbenzene
 Concen: 21.532 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057586.D
 Acq: 30 Aug 2019 13:53

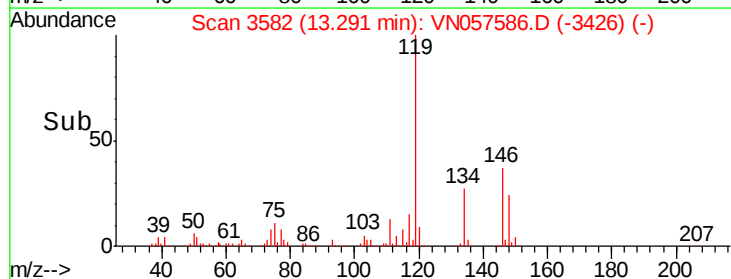
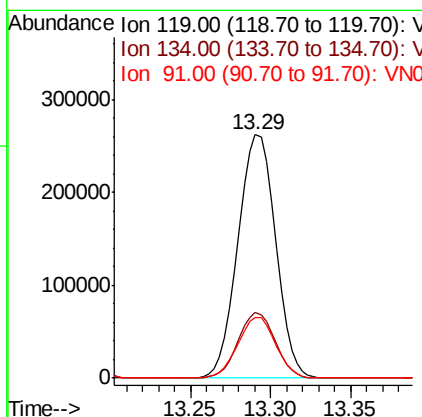
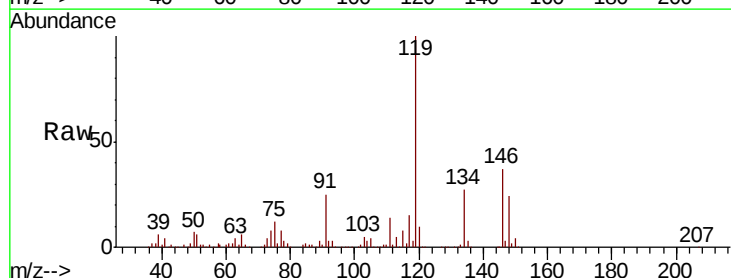
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBSD01

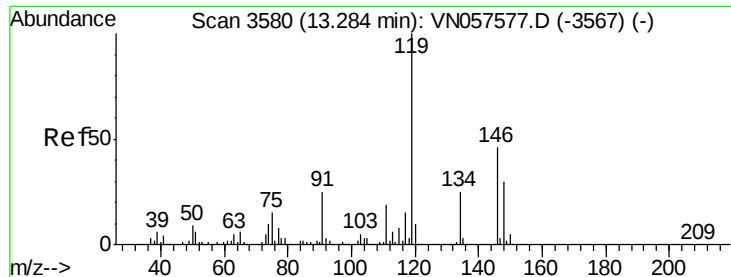
Tgt Ion:105 Resp: 485187
 Ion Ratio Lower Upper
 105 100
 134 19.5 0.0 39.2



#82
 p-Isopropyltoluene
 Concen: 21.039 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057586.D
 Acq: 30 Aug 2019 13:53

Tgt Ion:119 Resp: 420427
 Ion Ratio Lower Upper
 119 100
 134 26.5 0.0 51.6
 91 25.1 0.0 50.8

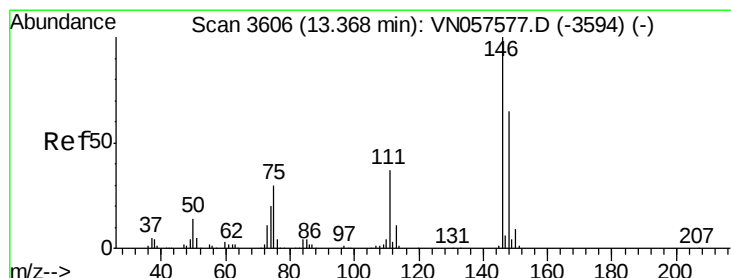
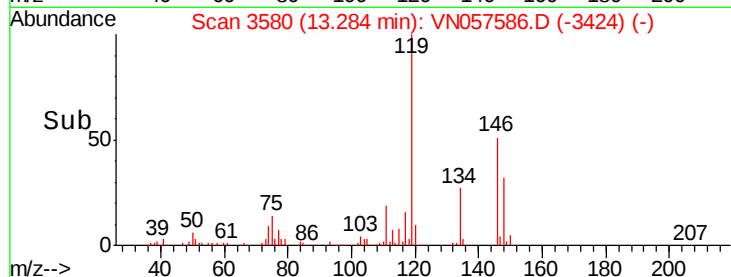
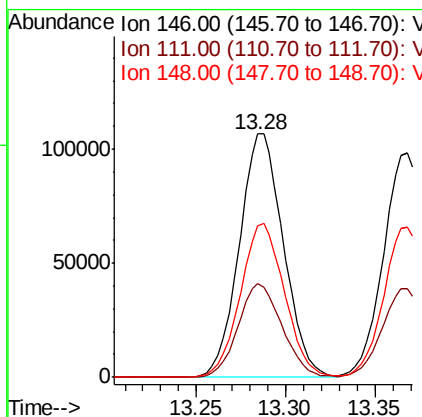
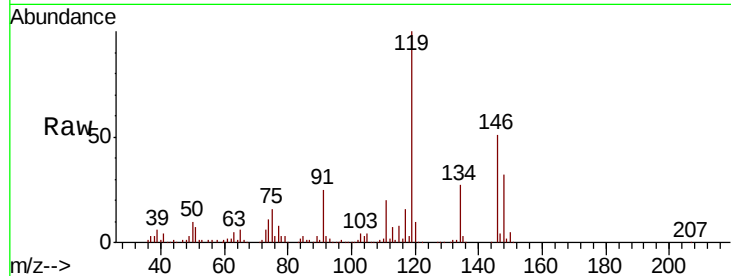




#83
 1,3-Dichlorobenzene
 Concen: 18.619 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057586.D
 Acq: 30 Aug 2019 13:53

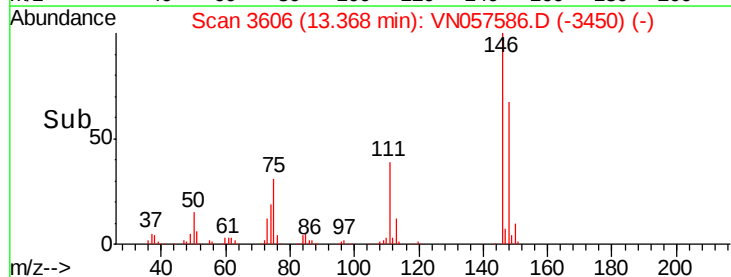
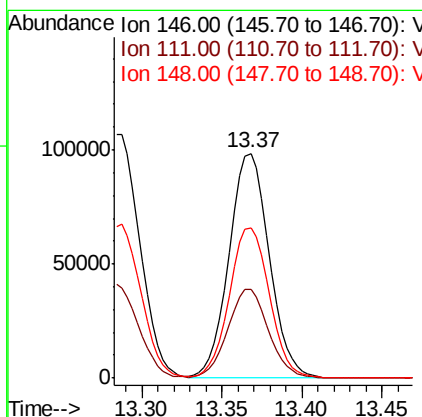
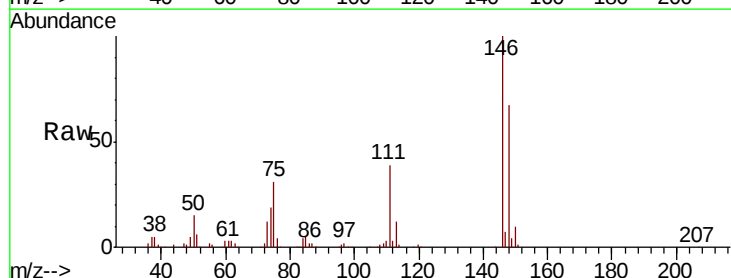
Instrument :
 MSVOA_N
 ClientSampled :
 VN0830WBSD01

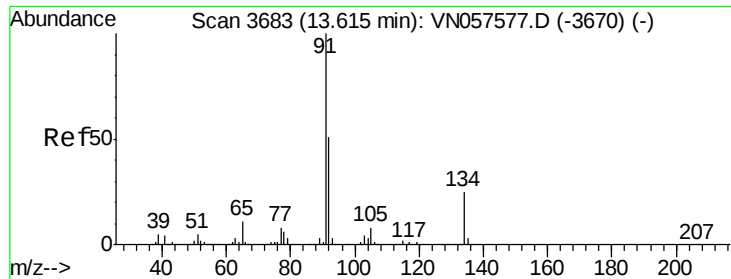
Tgt Ion:146 Resp: 184520
 Ion Ratio Lower Upper
 146 100
 111 38.3 20.0 60.0
 148 63.3 32.3 96.9



#84
 1,4-Dichlorobenzene
 Concen: 17.764 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057586.D
 Acq: 30 Aug 2019 13:53

Tgt Ion:146 Resp: 168844
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.3 57.9
 148 66.7 32.2 96.6





#85

n-Butylbenzene

Concen: 19.106 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD01

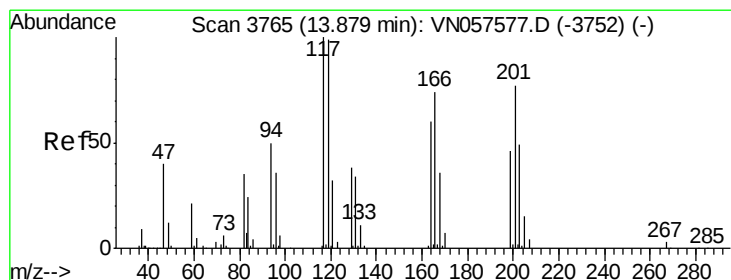
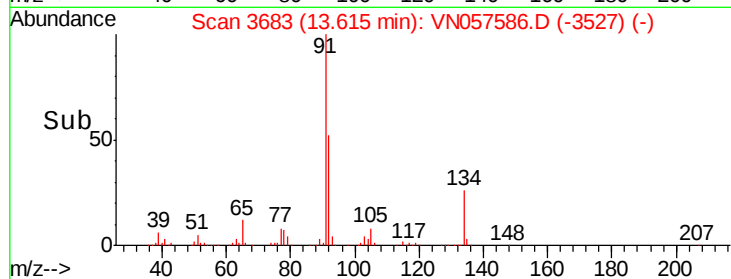
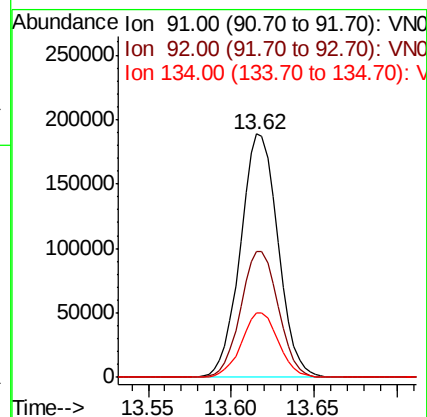
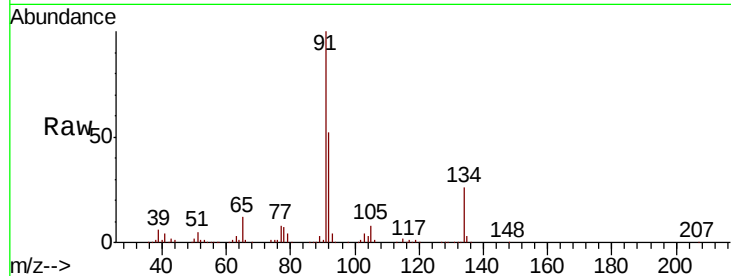
Tgt Ion: 91 Resp: 297329

Ion Ratio Lower Upper

91 100

92 51.8 0.0 103.0

134 26.1 0.0 51.0



#86

Hexachloroethane

Concen: 18.320 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057586.D

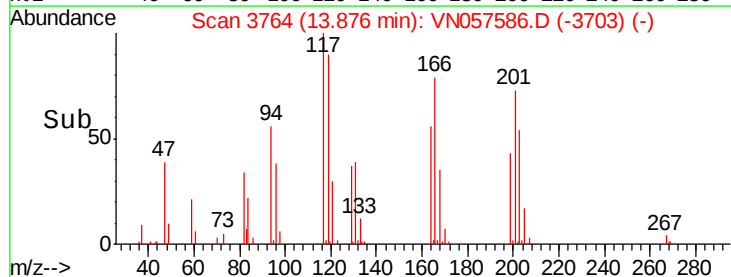
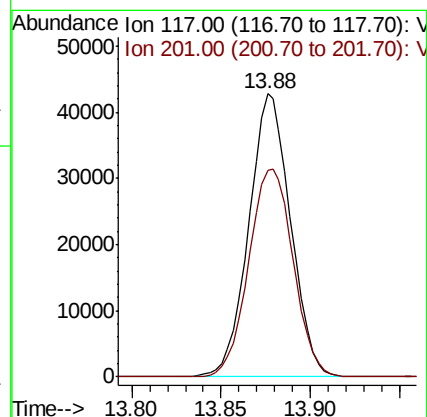
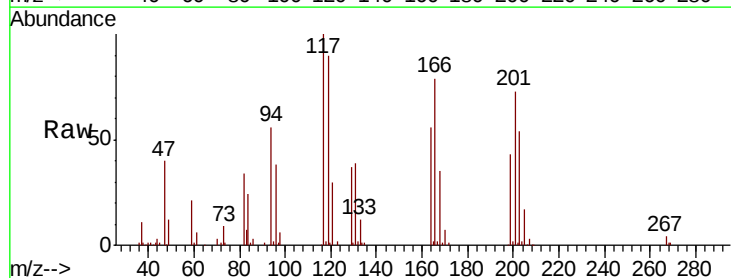
Acq: 30 Aug 2019 13:53

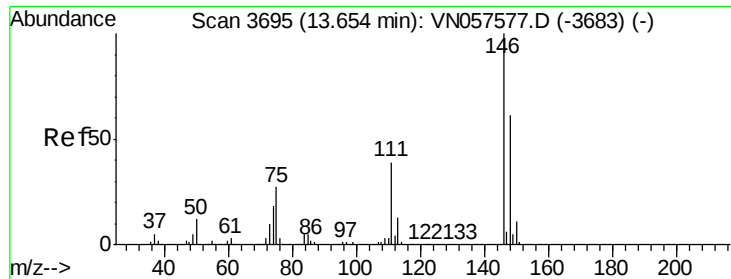
Tgt Ion: 117 Resp: 70007

Ion Ratio Lower Upper

117 100

201 78.2 38.0 113.9





#87

1,2-Dichlorobenzene

Concen: 18.977 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA_N

ClientSampled :

VN0830WBSD01

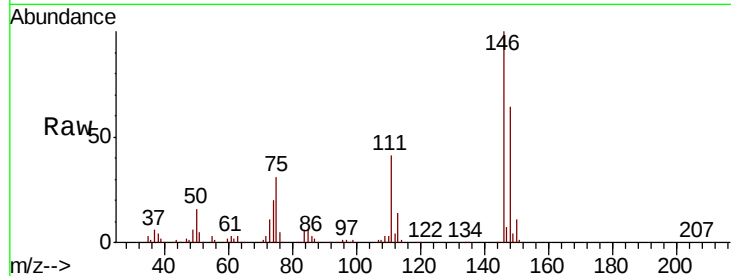
Tgt Ion:146 Resp: 180757

Ion Ratio Lower Upper

146 100

111 40.8 19.9 59.6

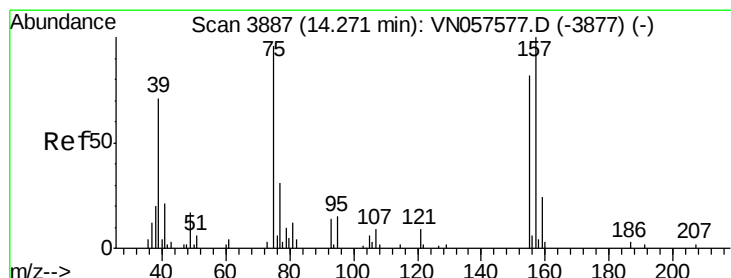
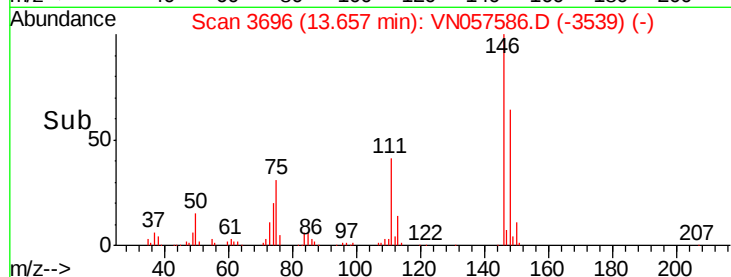
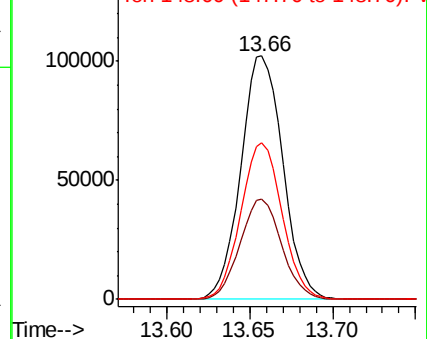
148 63.1 31.2 93.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 20.231 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

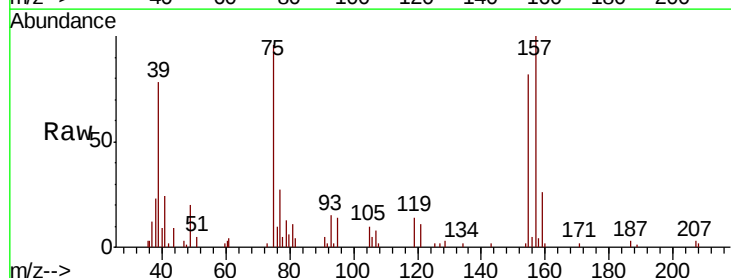
Tgt Ion: 75 Resp: 19368

Ion Ratio Lower Upper

75 100

155 83.9 66.5 99.7

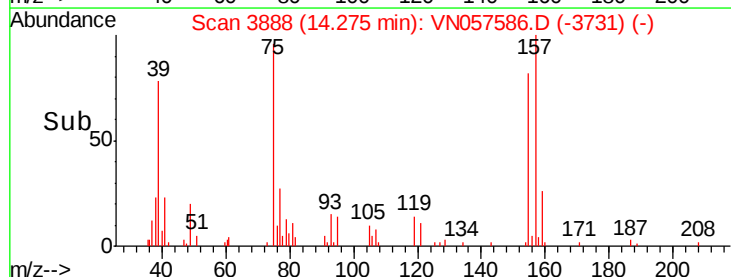
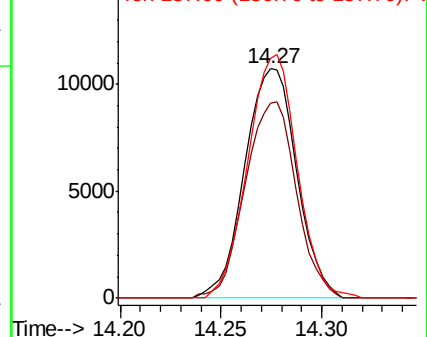
157 101.0 88.4 132.6

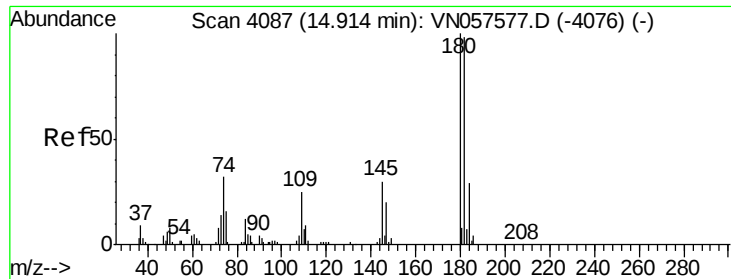


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

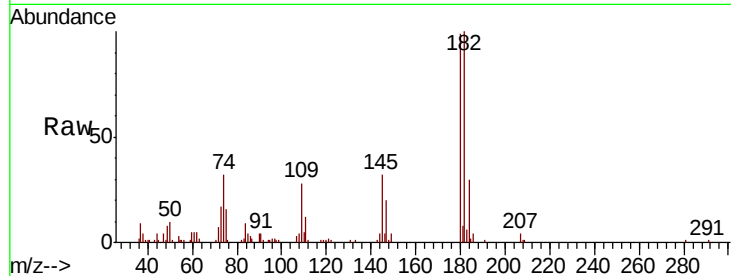




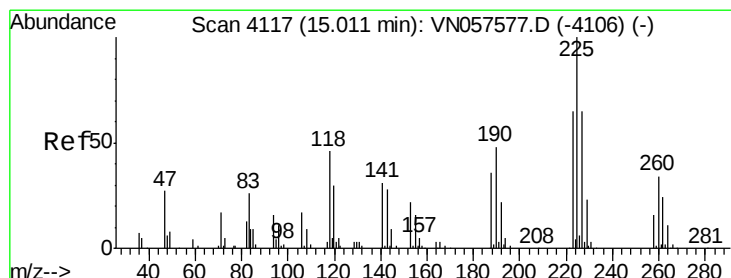
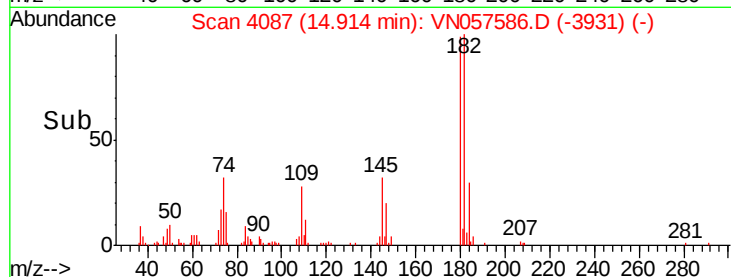
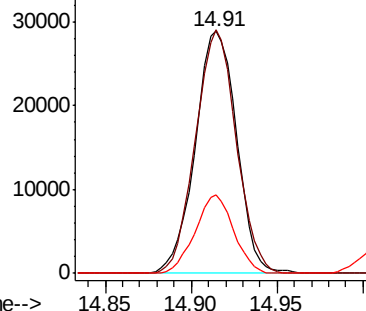
#89
 1,2,4-Trichlorobenzene
 Concen: 13.779 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057586.D
 Acq: 30 Aug 2019 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBSD01

Tgt Ion:180 Resp: 48362
 Ion Ratio Lower Upper
 180 100
 182 99.1 76.6 115.0
 145 30.0 24.4 36.6

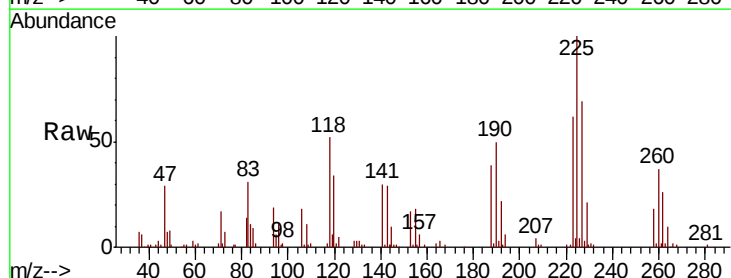


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

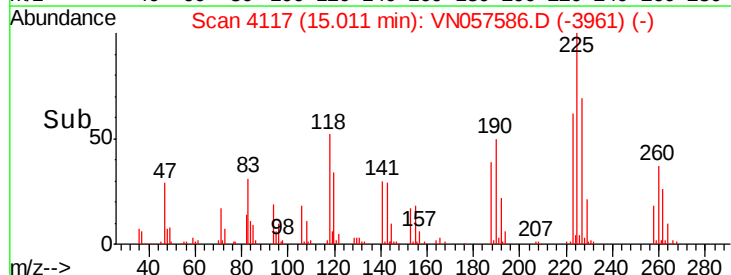
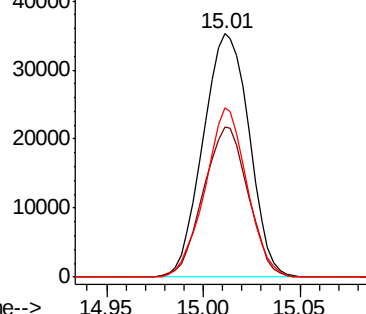


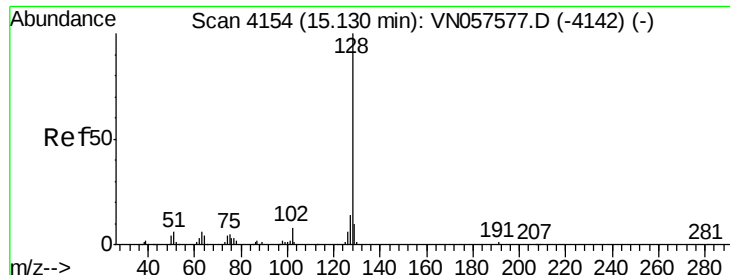
#90
 Hexachlorobutadiene
 Concen: 19.434 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057586.D
 Acq: 30 Aug 2019 13:53

Tgt Ion:225 Resp: 58669
 Ion Ratio Lower Upper
 225 100
 223 59.8 0.0 130.6
 227 63.1 0.0 131.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 15.259 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD01

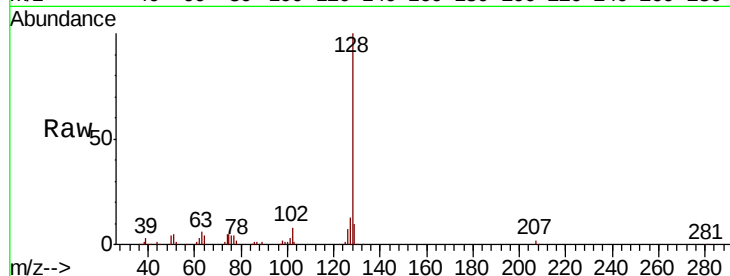
Tgt Ion:128 Resp: 149059

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

129 10.3 8.1 12.1

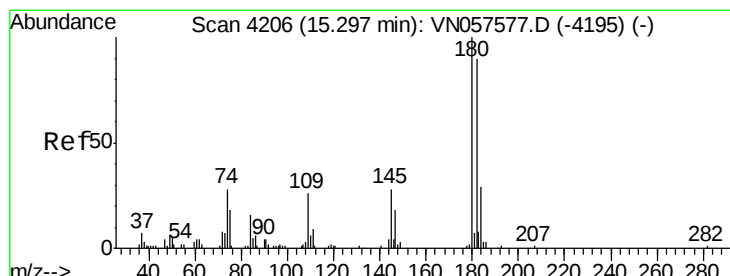
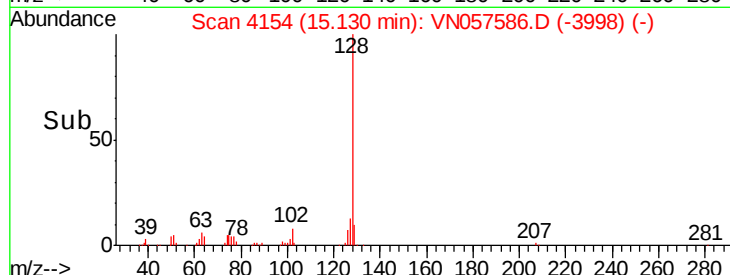
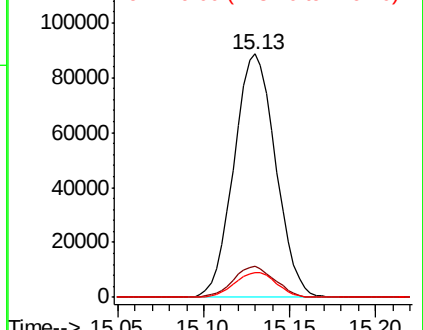


Abundance

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: 14.738 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

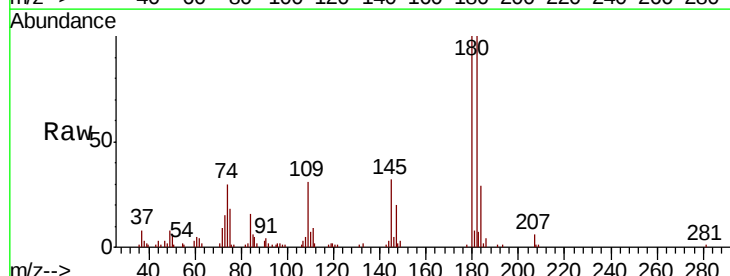
Tgt Ion:180 Resp: 51246

Ion Ratio Lower Upper

180 100

182 96.3 0.0 181.0

145 30.9 0.0 62.2



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

