

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083119\
 Data File : VN057594.D
 Acq On : 30 Aug 2019 17:56
 Operator : JC/SP
 Sample : VN0831WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD01

Quant Time: Aug 31 00:48:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 11:59:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	414365	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	653277	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	593153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	271795	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	349718	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
35) Dibromofluoromethane	7.58	113	275956	47.26	ug/l	0.00
Spiked Amount			Recovery	=	94.52%	
50) Toluene-d8	10.08	98	1076747	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	
62) 4-Bromofluorobenzene	12.40	95	334353	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	99360	21.340	ug/l	91
3) Chloromethane	2.06	50	90708	19.512	ug/l	95
4) Vinyl Chloride	2.18	62	146297	21.332	ug/l	99
5) Bromomethane	2.55	94	133149	22.546	ug/l	97
6) Chloroethane	2.70	64	101173	22.003	ug/l	99
7) Trichlorofluoromethane	3.01	101	318306	22.345	ug/l	99
8) Diethyl Ether	3.40	74	103347	21.835	ug/l	62
9) 1,1,2-Trichlorotrifluoroet	3.74	101	185813	22.272	ug/l #	82
10) Methyl Iodide	3.93	142	302747	22.169	ug/l	93
11) Tert butyl alcohol	4.79	59	64696	96.731	ug/l	99
12) 1,1-Dichloroethene	3.72	96	177317	22.585	ug/l #	71
13) Acrolein	3.59	56	54495	95.157	ug/l	97
14) Allyl chloride	4.30	41	116444	20.263	ug/l #	86
15) Acrylonitrile	4.98	53	171495	103.560	ug/l	99
16) Acetone	3.81	43	271232	98.936	ug/l	91
17) Carbon Disulfide	4.03	76	181361	16.898	ug/l	99
18) Methyl Acetate	4.31	43	86753	21.553	ug/l #	89
19) Methyl tert-butyl Ether	5.03	73	292174	19.536	ug/l	94
20) Methylene Chloride	4.53	84	94267	18.562	ug/l	83
21) trans-1,2-Dichloroethene	5.01	96	94056	19.151	ug/l #	81
22) Diisopropyl ether	5.94	45	271418	21.068	ug/l #	90
23) Vinyl Acetate	5.88	43	1090549	108.332	ug/l #	92
24) 1,1-Dichloroethane	5.83	63	171753	20.247	ug/l	96
25) 2-Butanone	6.83	43	231641	107.047	ug/l #	87
26) 2,2-Dichloropropane	6.81	77	157720	18.210	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	119990	20.174	ug/l	82
28) Bromochloromethane	7.18	49	87393	24.509	ug/l #	62
29) Tetrahydrofuran	7.20	42	144917	107.088	ug/l #	75
30) Chloroform	7.36	83	203121	19.295	ug/l	99
31) Cyclohexane	7.64	56	158188	20.080	ug/l #	82
32) 1,1,1-Trichloroethane	7.55	97	186130	19.890	ug/l	95
36) 1,1-Dichloropropene	7.78	75	143141	20.255	ug/l	95
37) Ethyl Acetate	6.92	43	92579	19.772	ug/l #	93
38) Carbon Tetrachloride	7.76	117	151298	18.308	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	177506	19.742	ug/l #	85
40) Benzene	8.03	78	428487	19.799	ug/l	99
41) Methacrylonitrile	7.16	41	35984	17.638	ug/l #	71
42) 1,2-Dichloroethane	8.11	62	163173	21.183	ug/l	99
43) Isopropyl Acetate	8.16	43	180136	20.612	ug/l #	91
44) Trichloroethene	8.83	130	118538	19.835	ug/l	85
45) 1,2-Dichloropropane	9.11	63	104373	20.639	ug/l	99
46) Dibromomethane	9.20	93	80719	20.355	ug/l #	89
47) Bromodichloromethane	9.40	83	156185	19.104	ug/l	98
48) Methyl methacrylate	9.19	41	87859	21.286	ug/l #	84
49) 1,4-Dioxane	9.20	88	32576	432.468	ug/l #	79
51) 4-Methyl-2-Pentanone	9.98	43	516508	110.580	ug/l	92
52) Toluene	10.15	92	278755	19.881	ug/l	95
53) t-1,3-Dichloropropene	10.38	75	147846	18.712	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	166302	19.433	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	108705	20.159	ug/l	96
56) Ethyl methacrylate	10.43	69	145570	20.281	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	177277	20.579	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	178281	105.869	ug/l #	85
59) 2-Hexanone	10.75	43	348098	107.942	ug/l	90
60) Dibromochloromethane	10.90	129	112023	18.212	ug/l	98
61) 1,2-Dibromoethane	11.00	107	113068	20.037	ug/l	95
64) Tetrachloroethene	10.63	164	118813	19.503	ug/l	93
65) Chlorobenzene	11.43	112	302222	20.299	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	113226	19.284	ug/l	96
67) Ethyl Benzene	11.51	91	541983	20.730	ug/l	97
68) m/p-Xylenes	11.62	106	406355	40.808	ug/l	94
69) o-Xylene	11.95	106	197884	19.789	ug/l	94
70) Styrene	11.96	104	309589	20.511	ug/l	97
71) Bromoform	12.13	173	67072	17.112	ug/l #	98
73) Isopropylbenzene	12.25	105	537028	18.569	ug/l	99
74) N-amyl acetate	12.07	43	146429	23.307	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.51	83	132429	21.426	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	158806	30.480	ug/l #	100
77) Bromobenzene	12.53	156	118765	17.713	ug/l	76
78) n-propylbenzene	12.59	91	556469	19.367	ug/l	97
79) 2-Chlorotoluene	12.67	91	335984	18.773	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	446936	19.637	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	30570	16.912	ug/l	93
82) 4-Chlorotoluene	12.78	91	327120	19.700	ug/l	95
83) tert-Butylbenzene	12.99	119	397800	20.948	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	435794	20.935	ug/l	99
85) sec-Butylbenzene	13.17	105	499377	19.962	ug/l	98
86) p-Isopropyltoluene	13.29	119	436558	20.303	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	189988	19.511	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	184459	19.754	ug/l	94
89) n-Butylbenzene	13.62	91	322500	19.799	ug/l	98
90) Hexachloroethane	13.88	117	69376	15.332	ug/l	87
91) 1,2-Dichlorobenzene	13.66	146	190908	21.006	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.28	75	19094	18.728	ug/l	83

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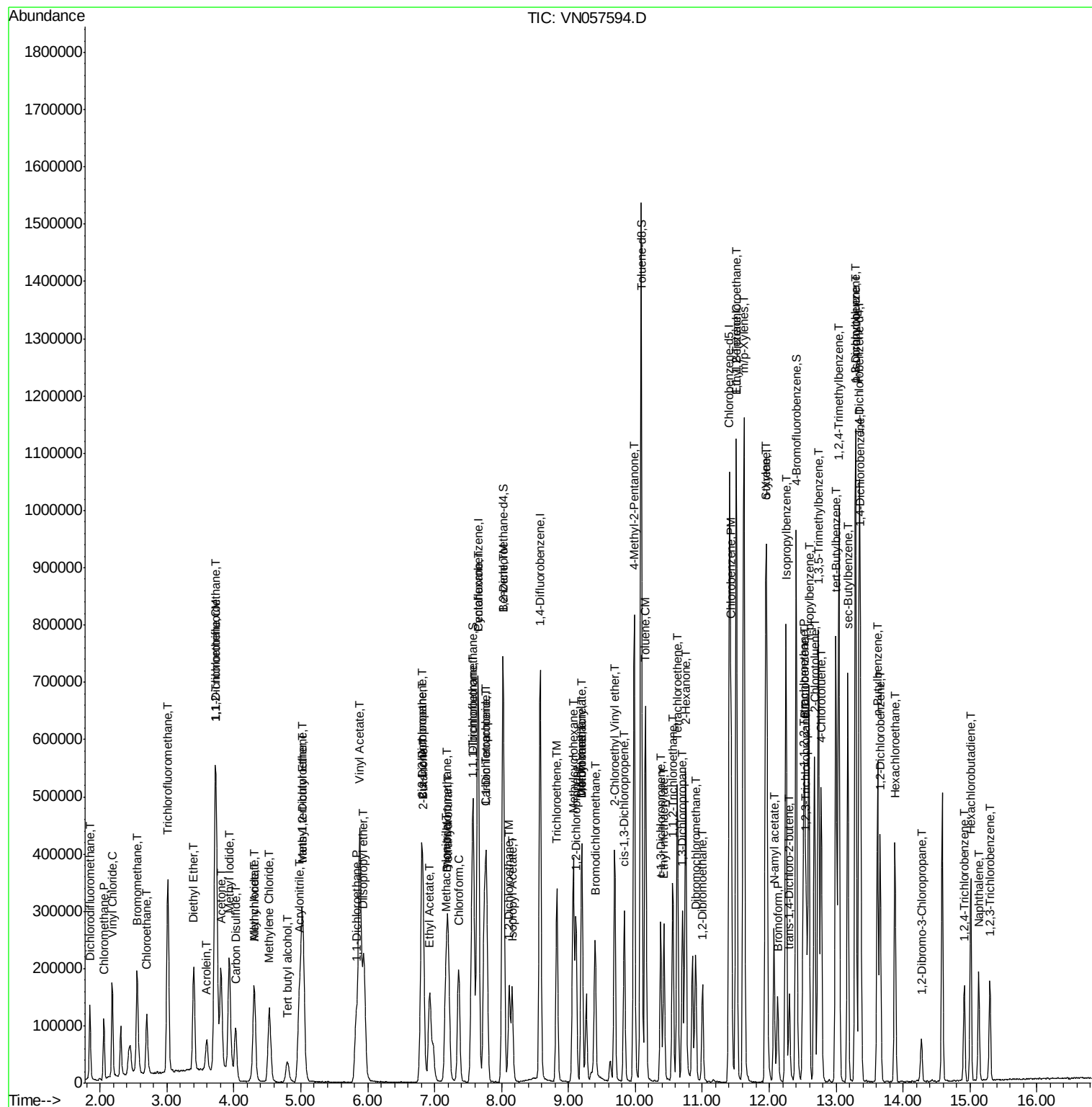
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	52996	16.780	ug/l	97
94) Hexachlorobutadiene	15.01	225	60217	20.104	ug/l	98
95) Naphthalene	15.13	128	156108	17.359	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	51821	16.871	ug/l	96

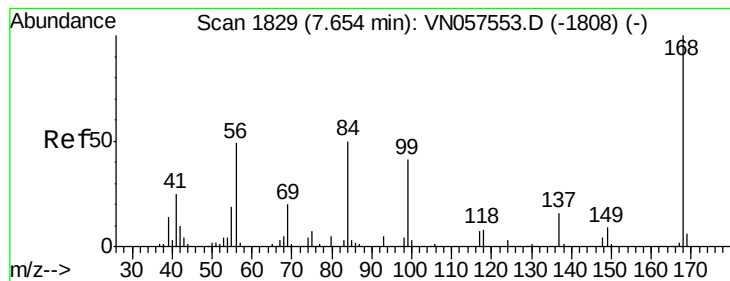
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

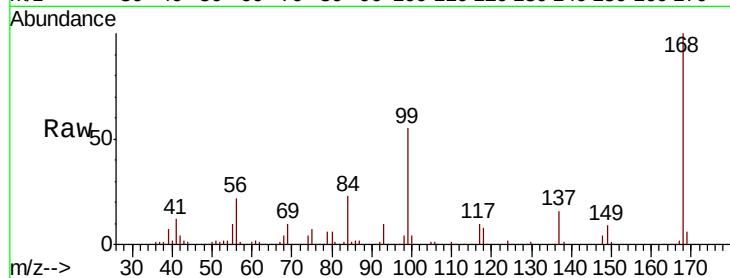
VN0831WBSD01

Tgt Ion:168 Resp: 414365

Ion Ratio Lower Upper

168 100

99 54.8 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

150000

100000

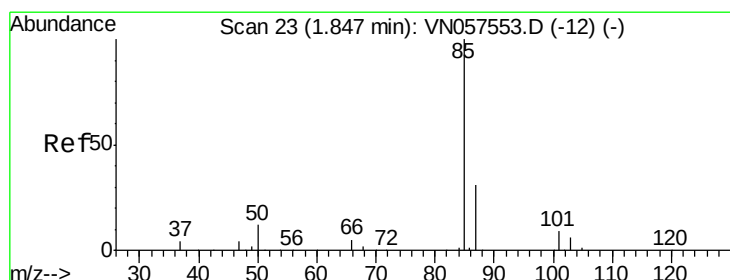
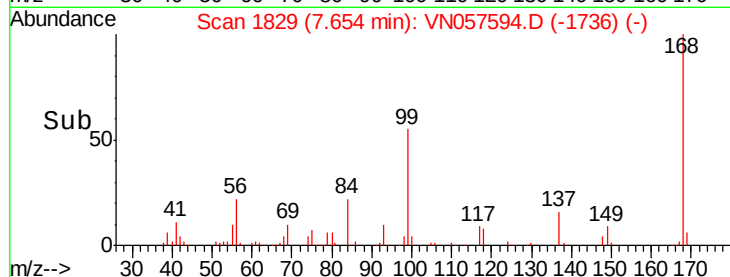
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 21.340 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057594.D

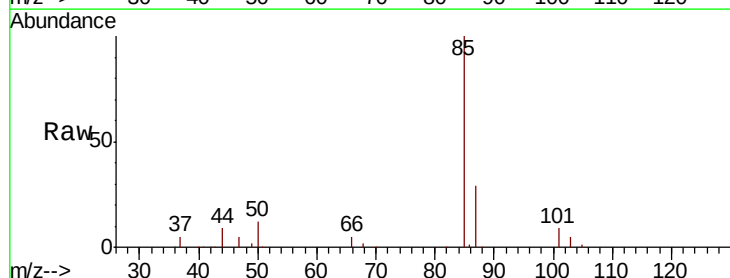
Acq: 30 Aug 2019 17:56

Tgt Ion: 85 Resp: 99360

Ion Ratio Lower Upper

85 100

87 28.7 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

40000

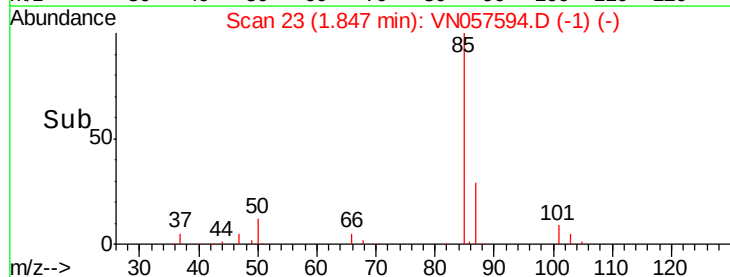
20000

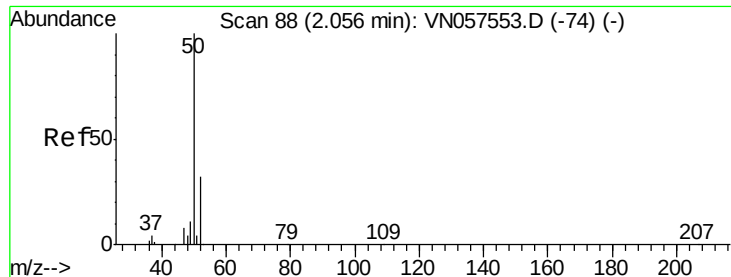
0

1.80

1.90

Time-->





#3

Chloromethane

Concen: 19.512 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

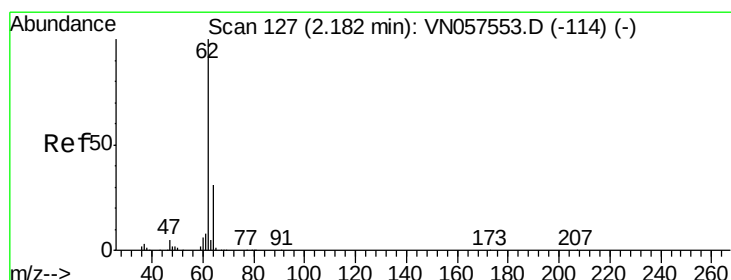
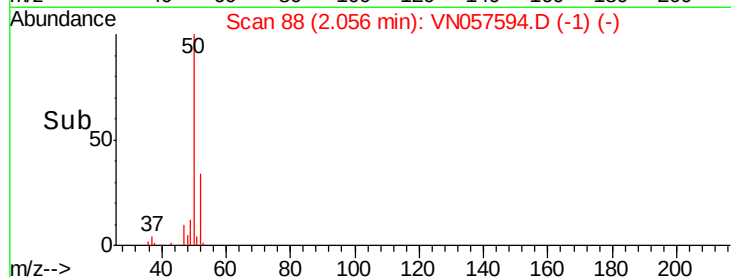
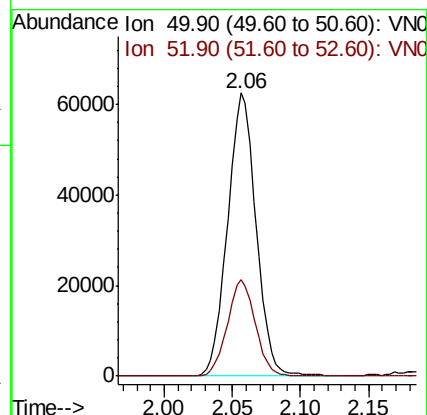
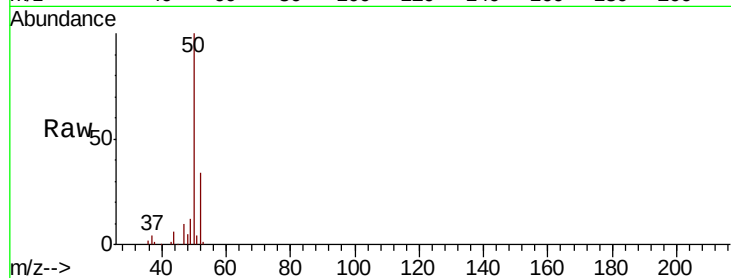
VN0831WBSD01

Tgt Ion: 50 Resp: 90708

Ion Ratio Lower Upper

50 100

52 34.3 25.1 37.7



#4

Vinyl Chloride

Concen: 21.332 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057594.D

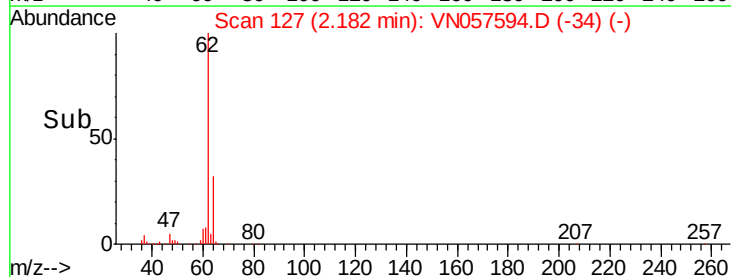
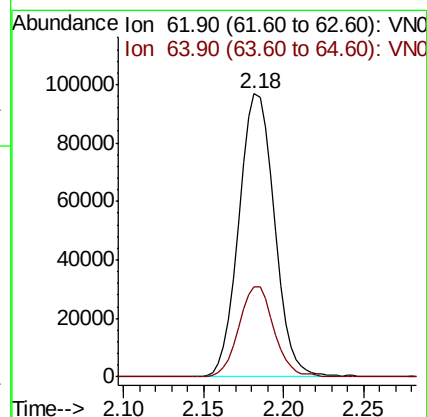
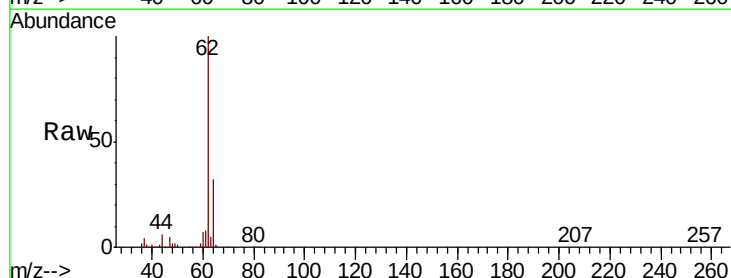
Acq: 30 Aug 2019 17:56

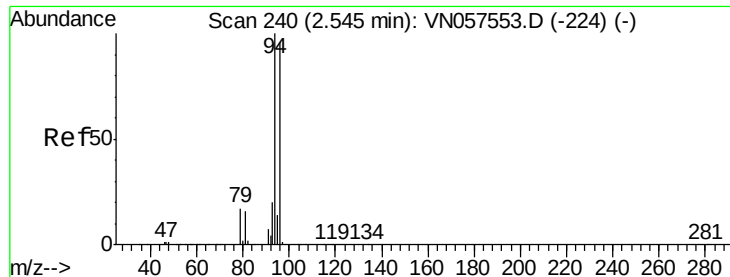
Tgt Ion: 62 Resp: 146297

Ion Ratio Lower Upper

62 100

64 31.6 25.8 38.8





#5

Bromomethane

Concen: 22.546 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

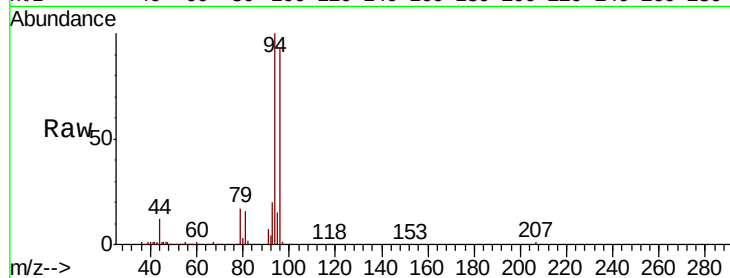
VN0831WBSD01

Tgt Ion: 94 Resp: 133149

Ion Ratio Lower Upper

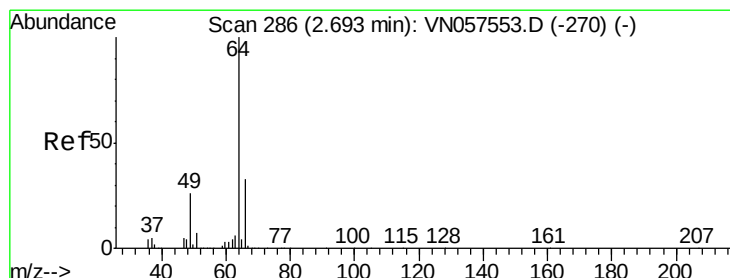
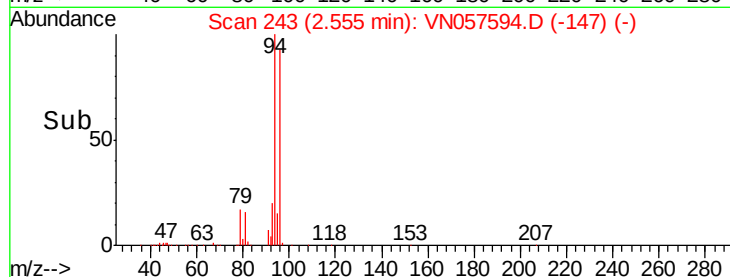
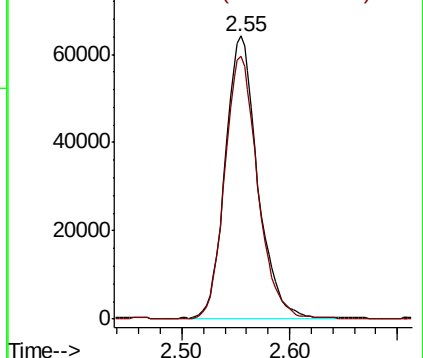
94 100

96 92.9 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 22.003 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.01 min

Lab File: VN057594.D

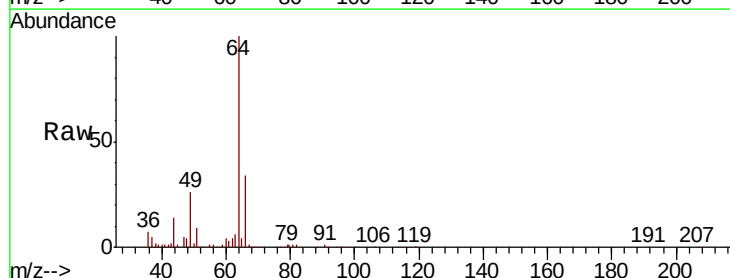
Acq: 30 Aug 2019 17:56

Tgt Ion: 64 Resp: 101173

Ion Ratio Lower Upper

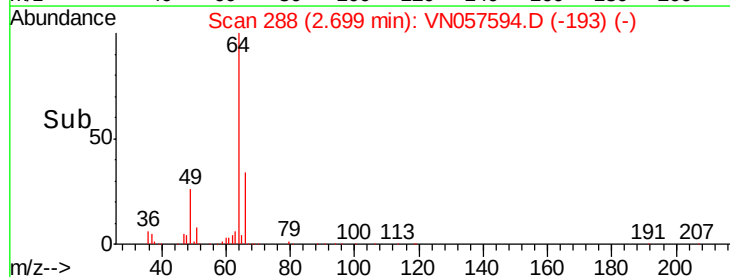
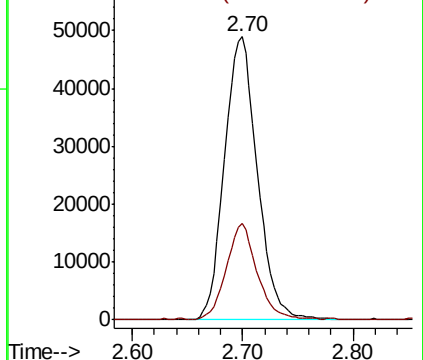
64 100

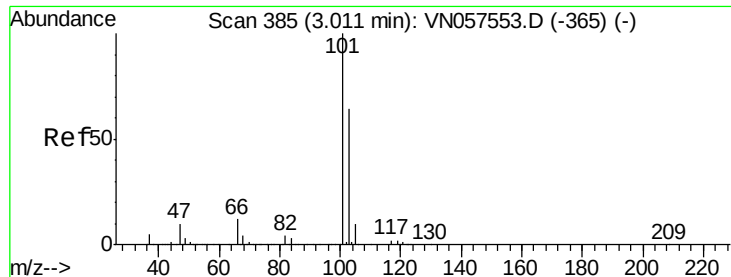
66 33.9 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



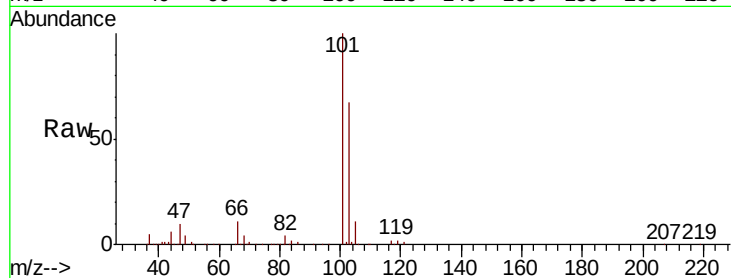


#7

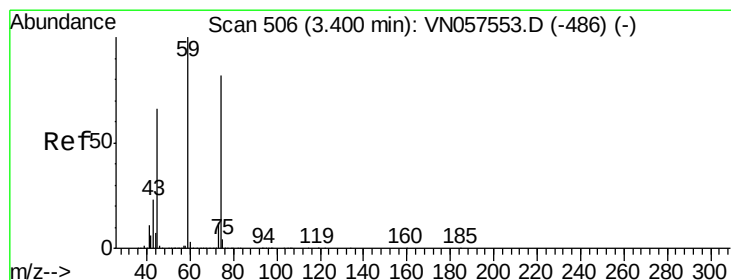
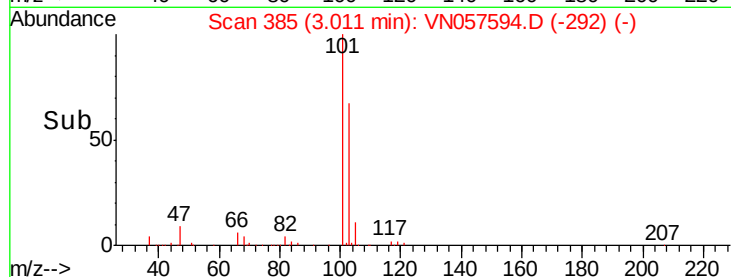
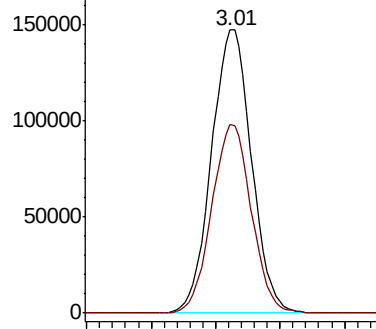
Trichlorofluoromethane
 Concen: 22.345 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Instrument :
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 ClientSampleId :
 VN0831WBSD01

Tgt Ion:101 Resp: 318306
 Ion Ratio Lower Upper
 101 100
 103 66.6 52.6 78.8



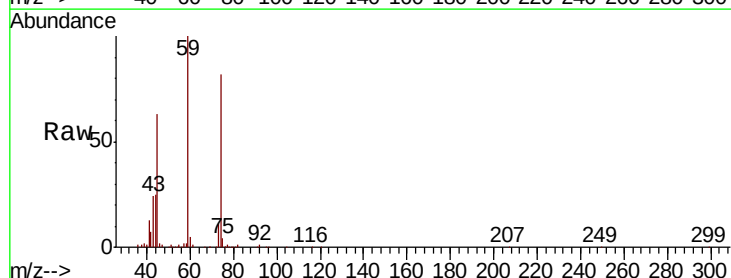
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



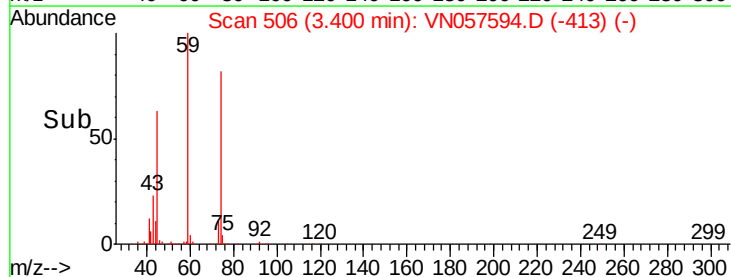
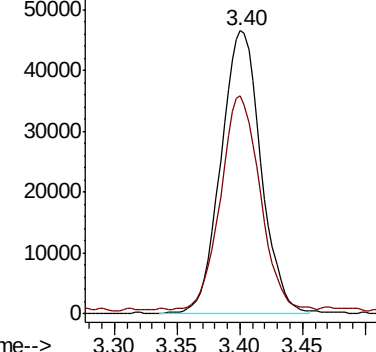
#8

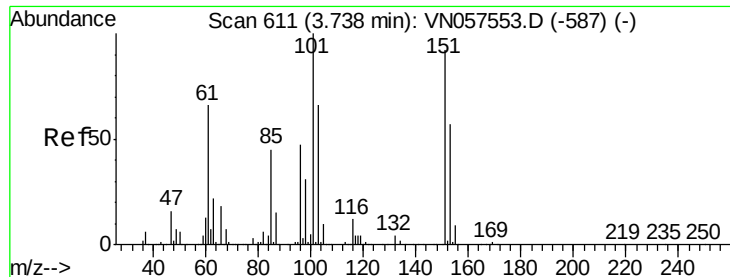
Diethyl Ether
 Concen: 21.835 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Tgt Ion: 74 Resp: 103347
 Ion Ratio Lower Upper
 74 100
 45 74.0 57.9 173.6



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.272 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

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VN0831WBSD01

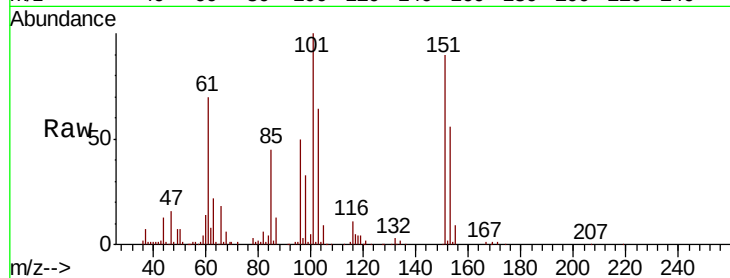
Tgt Ion:101 Resp: 185813

Ion Ratio Lower Upper

101 100

85 41.7 40.0 60.0

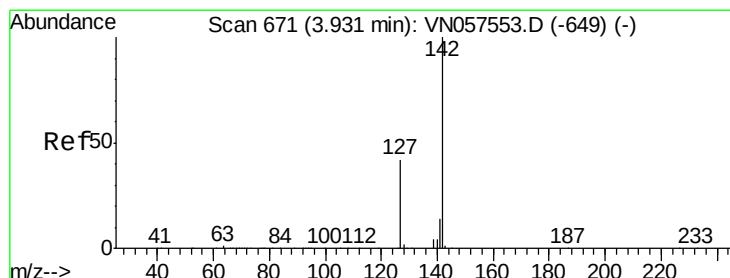
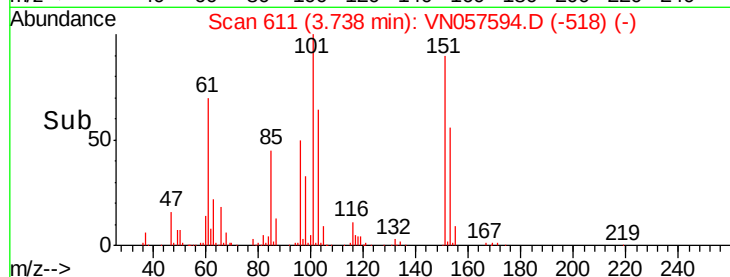
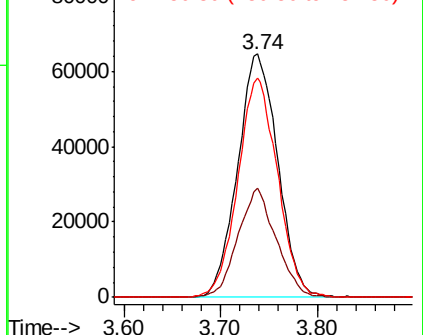
151 89.0 57.0 85.6#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.169 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

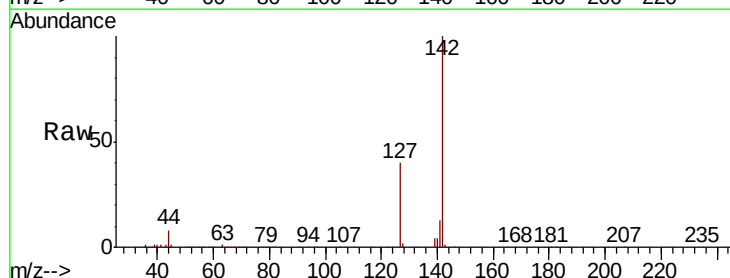
Tgt Ion:142 Resp: 302747

Ion Ratio Lower Upper

142 100

127 41.6 37.8 56.8

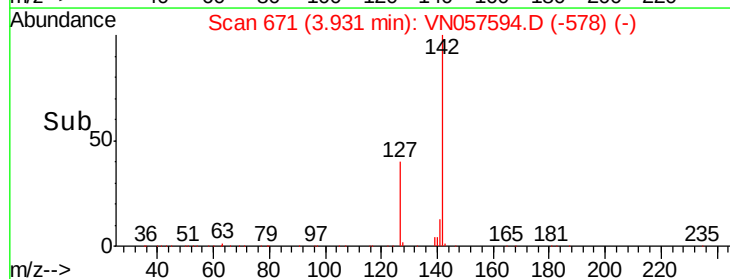
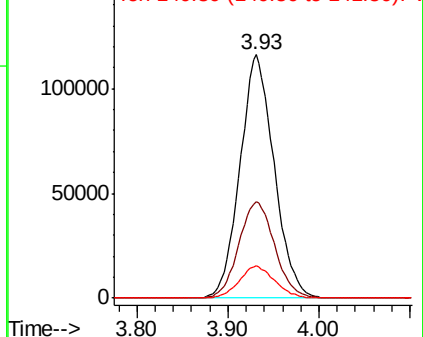
141 13.6 11.9 17.9

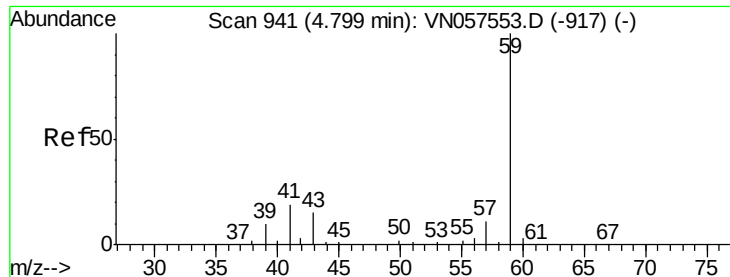


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

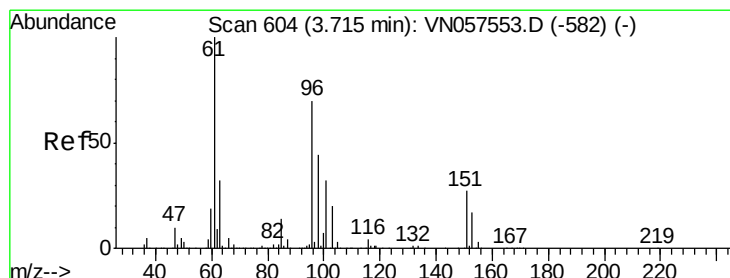
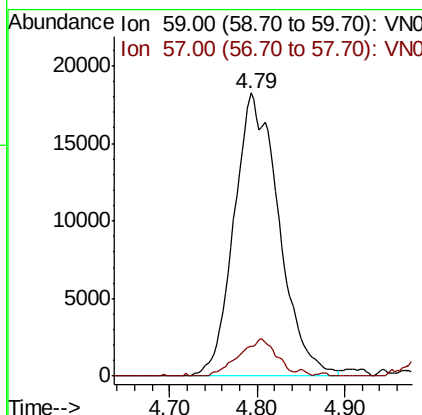
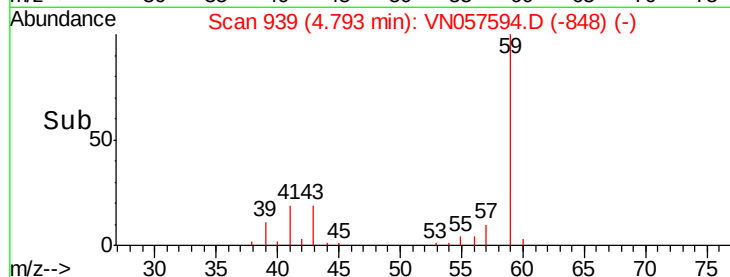
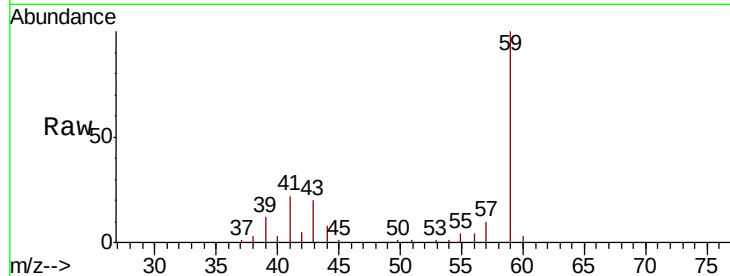




#11
 Tert butyl alcohol
 Concen: 96.731 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. -0.01 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

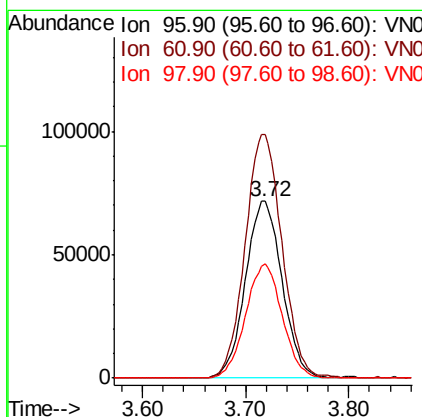
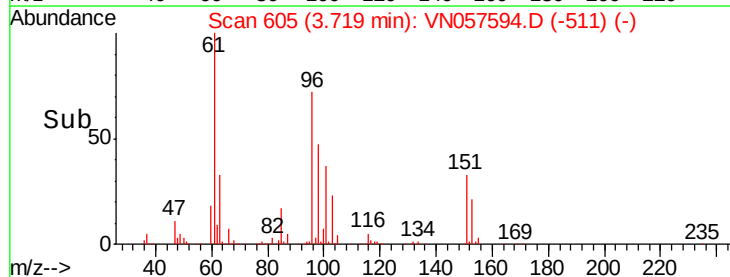
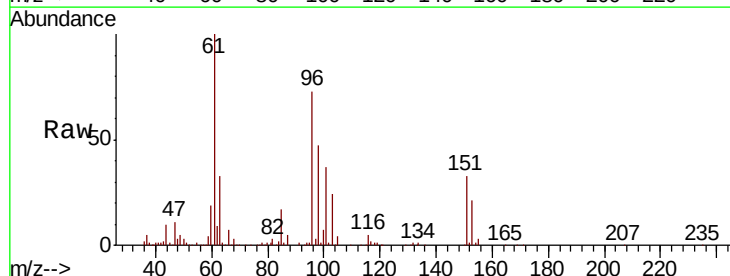
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD01

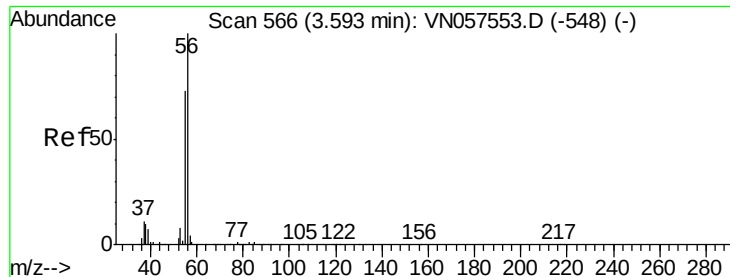
Tgt Ion: 59 Resp: 64696
 Ion Ratio Lower Upper
 59 100
 57 10.9 9.1 13.7



#12
 1,1-Dichloroethene
 Concen: 22.585 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Tgt Ion: 96 Resp: 177317
 Ion Ratio Lower Upper
 96 100
 61 137.8 155.3 232.9#
 98 64.6 50.2 75.2





#13

Acrolein

Concen: 95.157 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

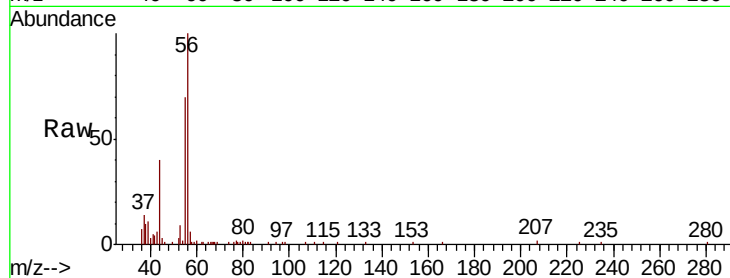
VN0831WBSD01

Tgt Ion: 56 Resp: 54495

Ion Ratio Lower Upper

56 100

55 76.1 59.0 88.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

25000

20000

15000

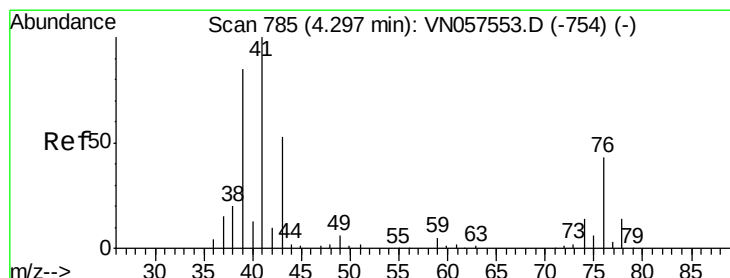
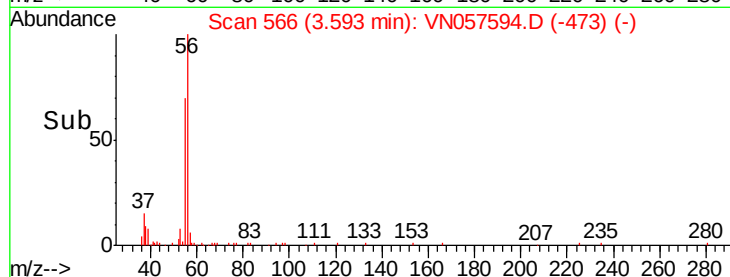
10000

5000

0

3.50 3.55 3.60 3.65 3.70

Time-->



#14

Allyl chloride

Concen: 20.263 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

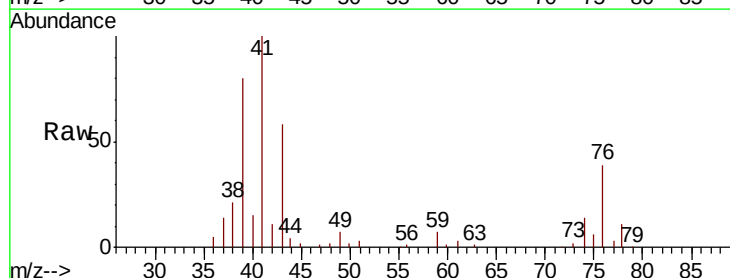
Tgt Ion: 41 Resp: 116444

Ion Ratio Lower Upper

41 100

39 83.1 57.4 86.2

76 37.1 22.9 34.3#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

50000

40000

30000

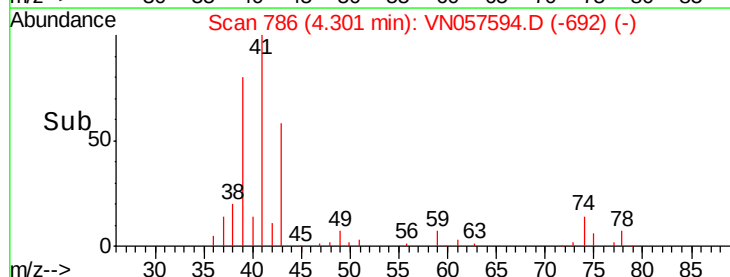
20000

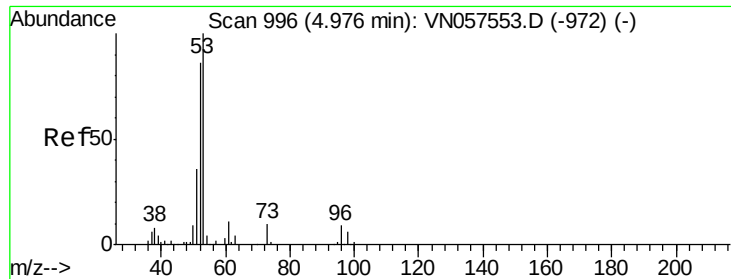
10000

0

4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 103.560 ug/l

RT: 4.98 min Scan# 996

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

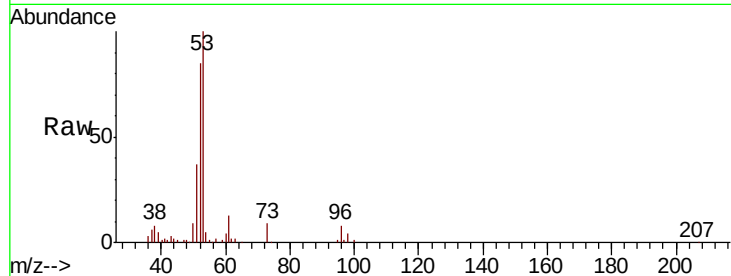
Tgt Ion: 53 Resp: 171495

Ion Ratio Lower Upper

53 100

52 85.1 67.0 100.6

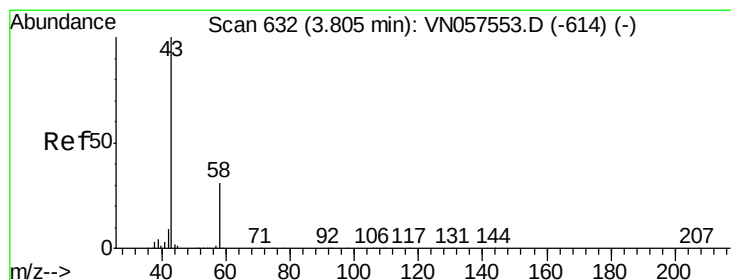
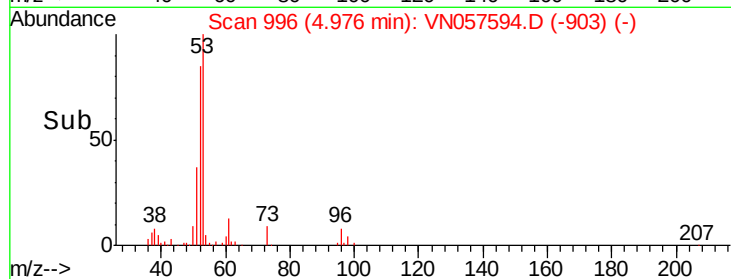
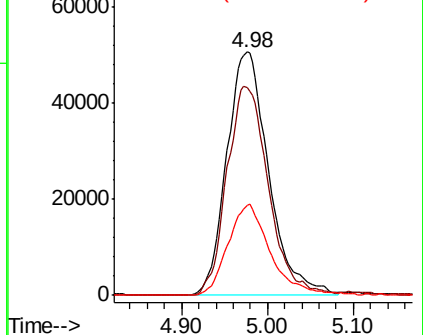
51 37.4 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 98.936 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN057594.D

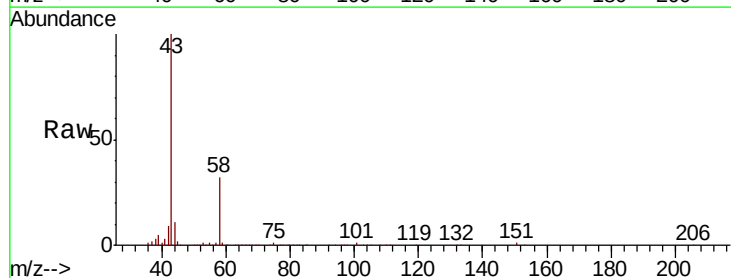
Acq: 30 Aug 2019 17:56

Tgt Ion: 43 Resp: 271232

Ion Ratio Lower Upper

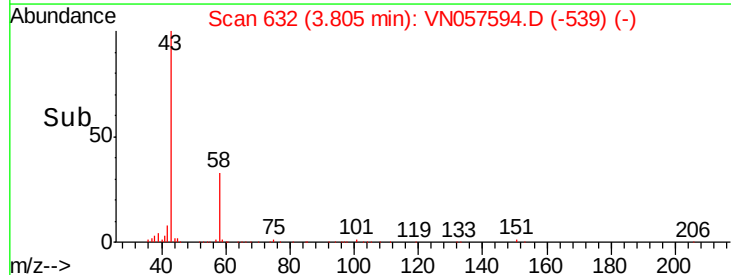
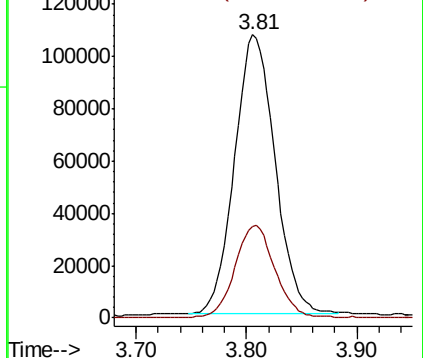
43 100

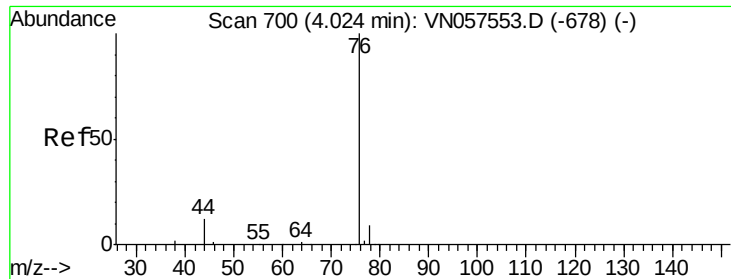
58 32.6 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 16.898 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

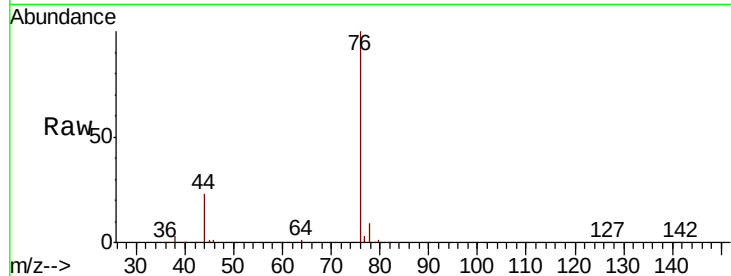
VN0831WBSD01

Tgt Ion: 76 Resp: 181361

Ion Ratio Lower Upper

76 100

78 8.6 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

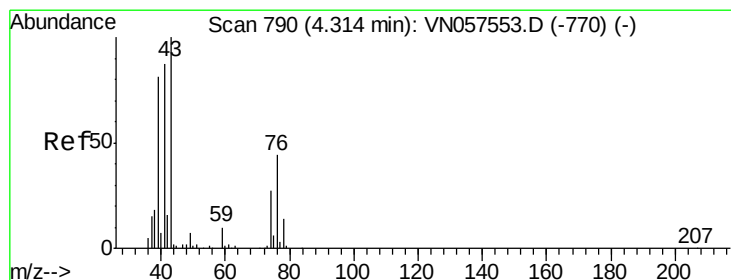
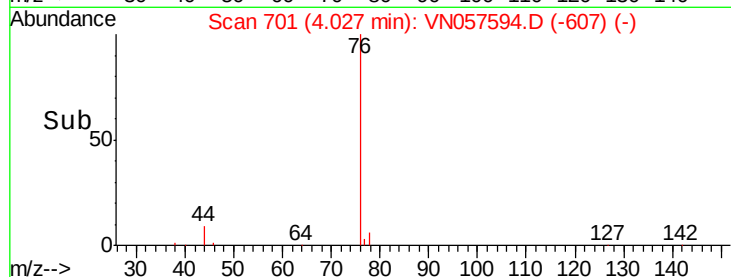
60000

40000

20000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 21.553 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN057594.D

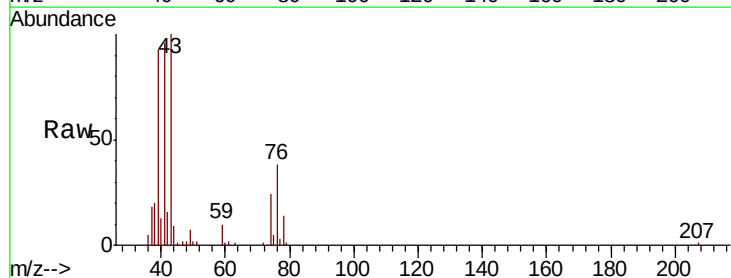
Acq: 30 Aug 2019 17:56

Tgt Ion: 43 Resp: 86753

Ion Ratio Lower Upper

43 100

74 25.1 15.9 23.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.31

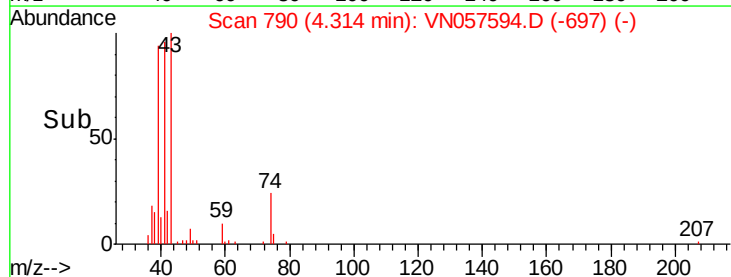
30000

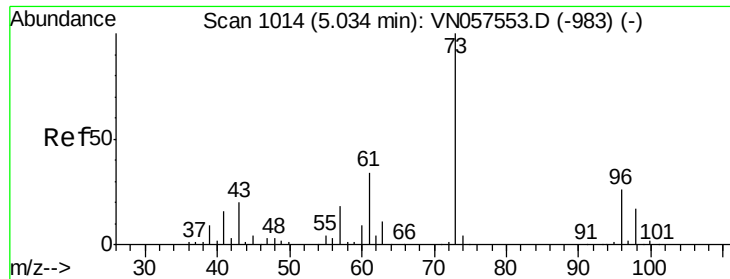
20000

10000

0

Time--> 4.20 4.30 4.40

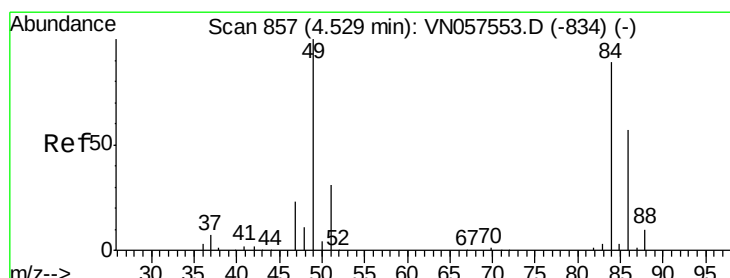
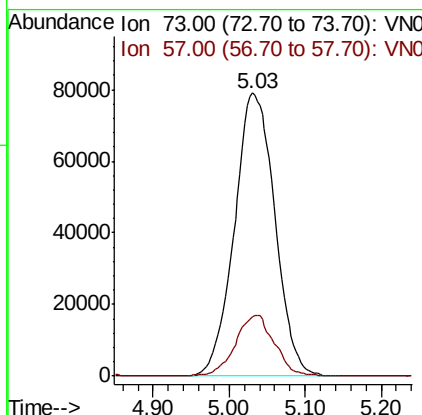
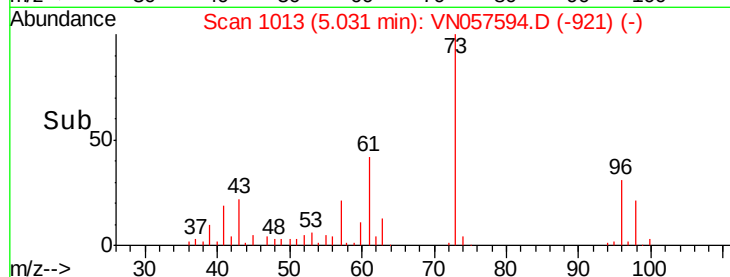
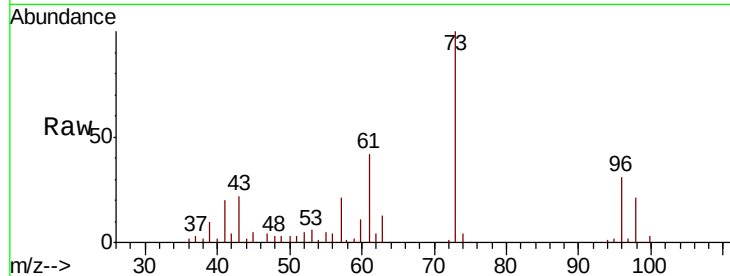




#19
Methyl tert-butyl Ether
Concen: 19.536 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

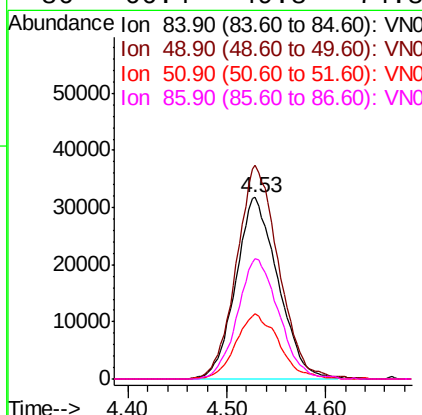
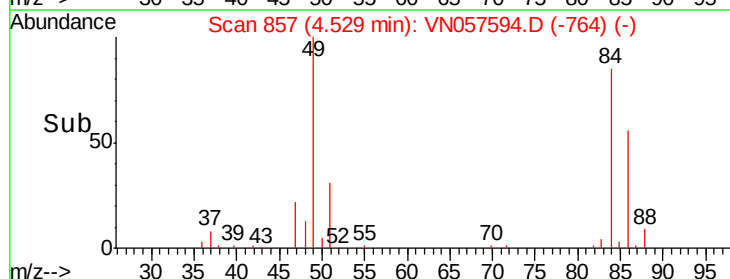
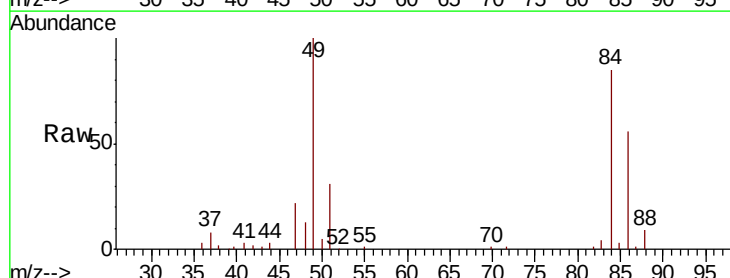
Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

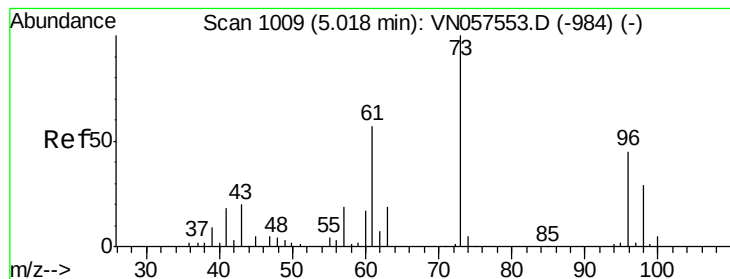
Tgt Ion: 73 Resp: 292174
Ion Ratio Lower Upper
73 100
57 21.0 19.1 28.7



#20
Methylene Chloride
Concen: 18.562 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tgt Ion: 84 Resp: 94267
Ion Ratio Lower Upper
84 100
49 117.7 117.0 175.4
51 35.9 35.5 53.3
86 66.4 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.151 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampled :

VN0831WBSD01

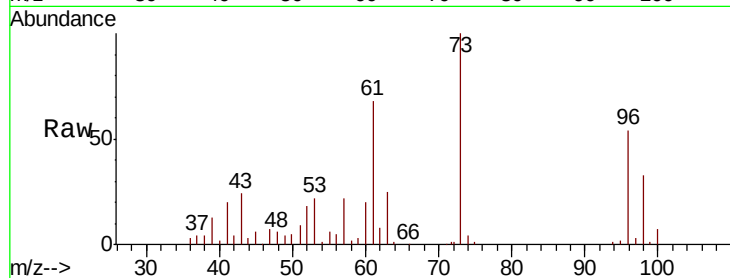
Tgt Ion: 96 Resp: 94056

Ion Ratio Lower Upper

96 100

61 126.4 127.9 191.9#

98 61.8 50.6 76.0

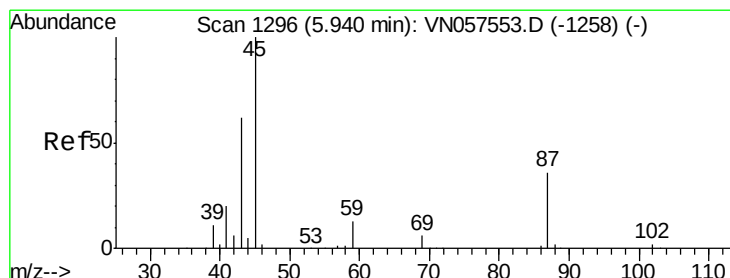
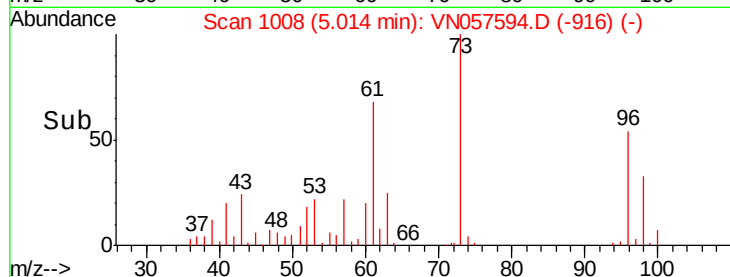
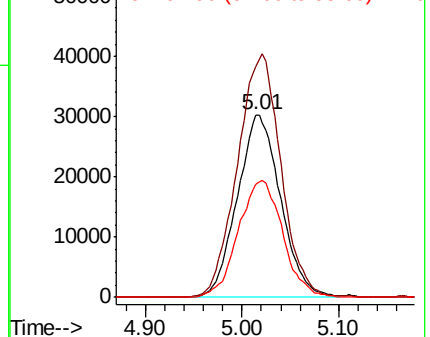


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.068 ug/l

RT: 5.94 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Tgt Ion: 45 Resp: 271418

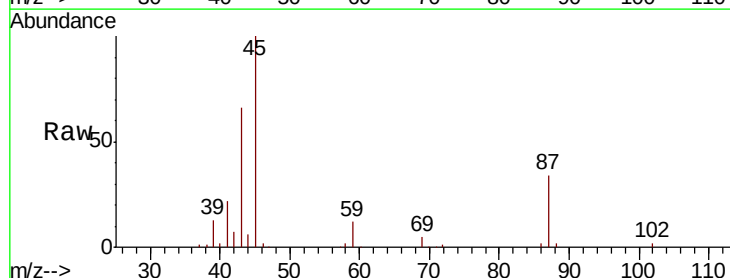
Ion Ratio Lower Upper

45 100

43 64.7 46.9 70.3

87 33.6 19.3 28.9#

59 12.0 8.7 13.1



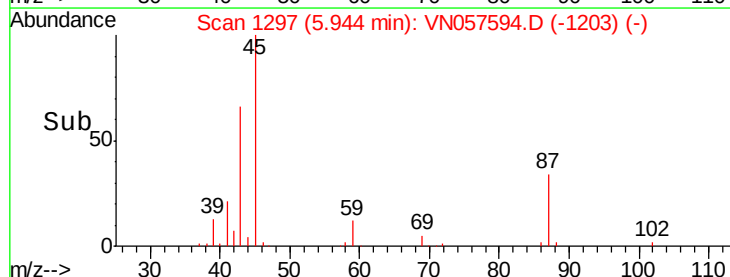
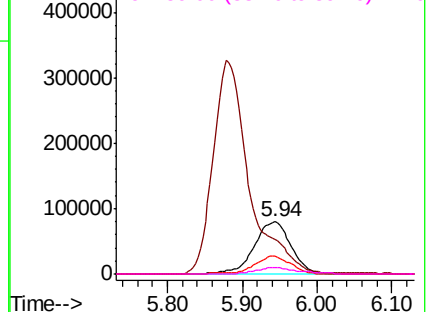
Abundance

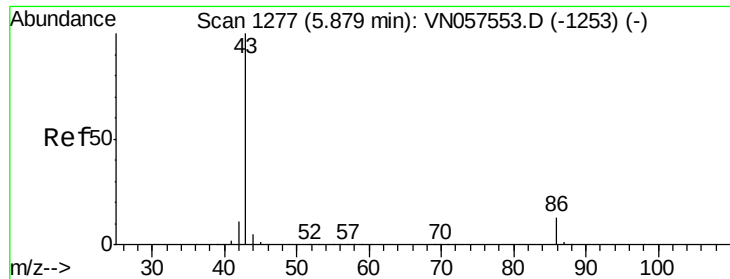
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 108.332 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

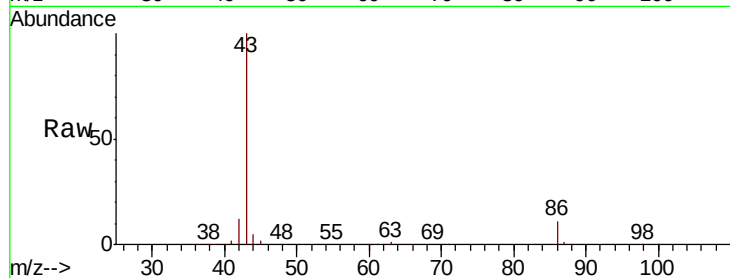
VN0831WBSD01

Tgt Ion: 43 Resp: 1090549

Ion Ratio Lower Upper

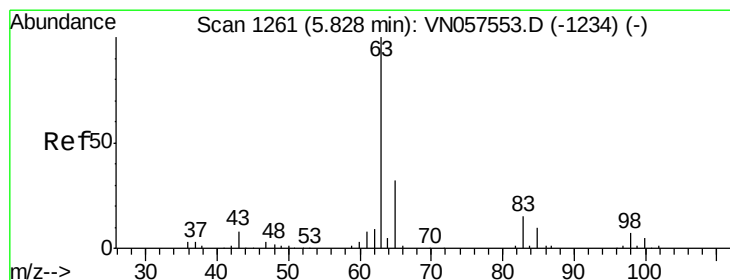
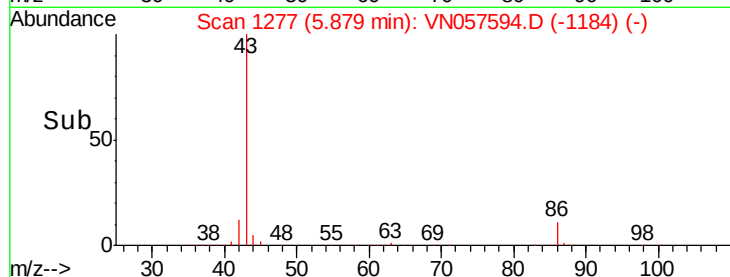
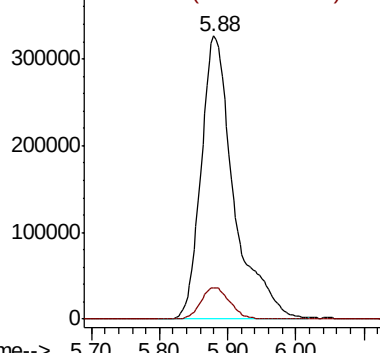
43 100

86 11.2 6.7 10.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.247 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

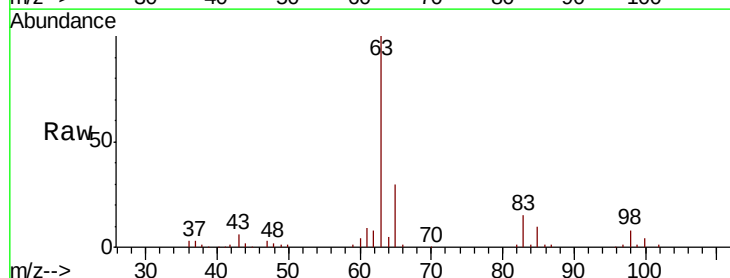
Tgt Ion: 63 Resp: 171753

Ion Ratio Lower Upper

63 100

98 7.8 2.9 8.6

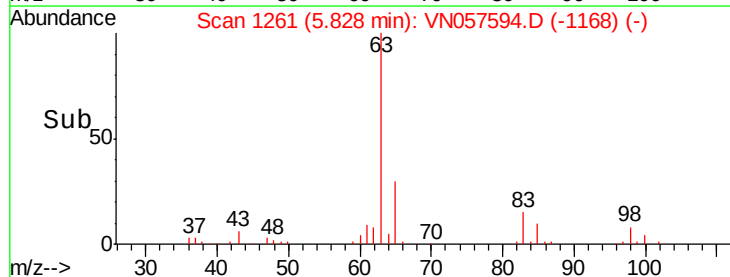
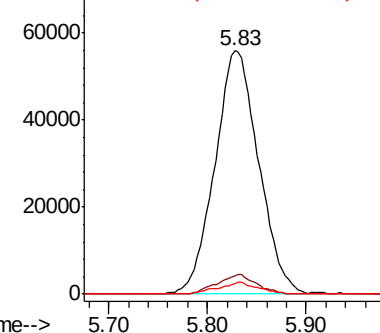
100 4.2 2.1 6.3

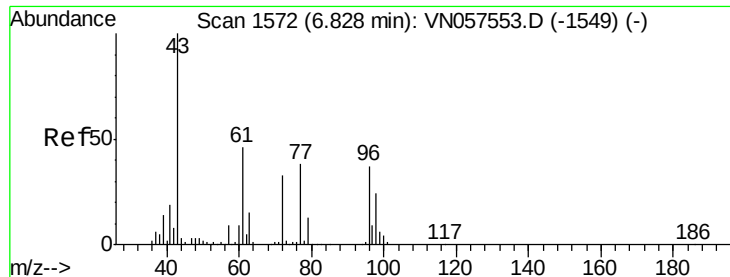


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

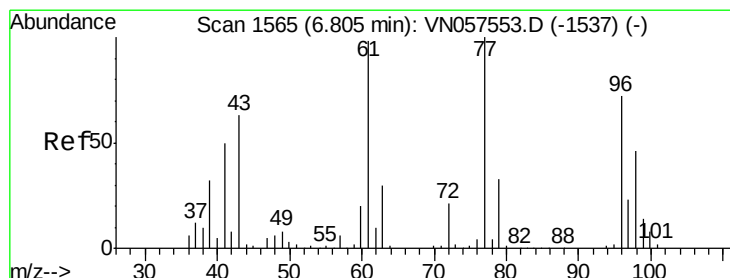
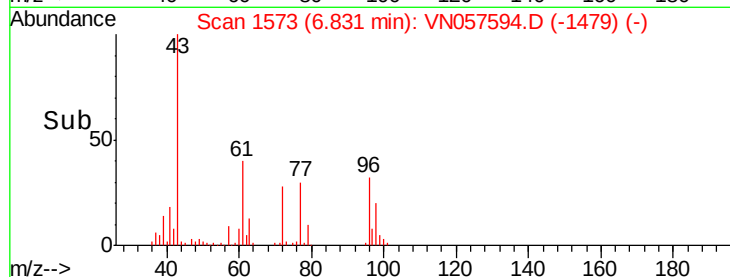
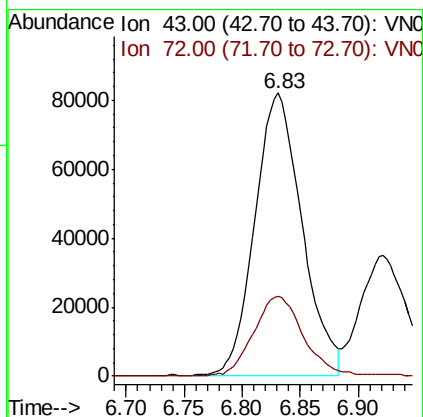
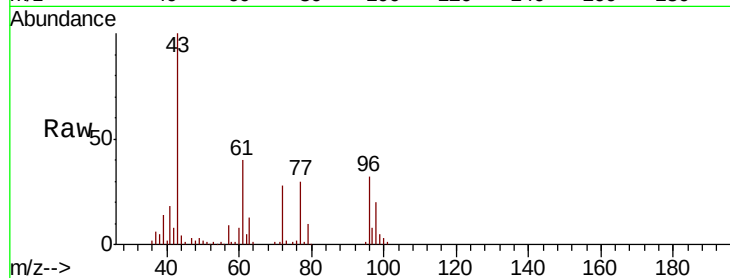




#25
2-Butanone
Concen: 107.047 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

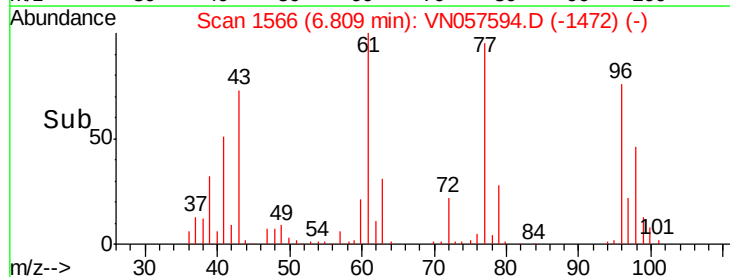
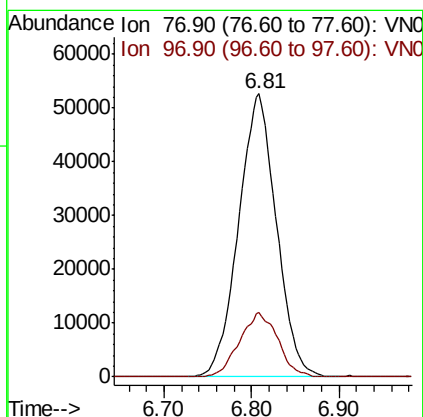
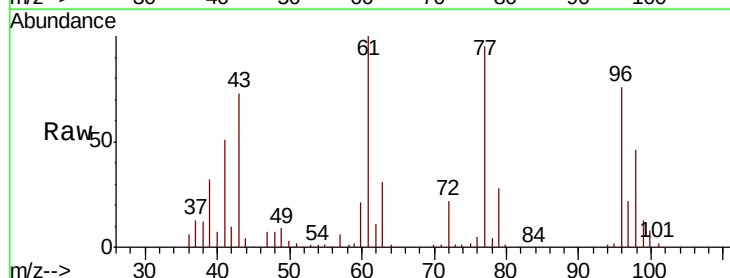
Instrument :
MSVOA_N
ClientSampled :
VN0831WBSD01

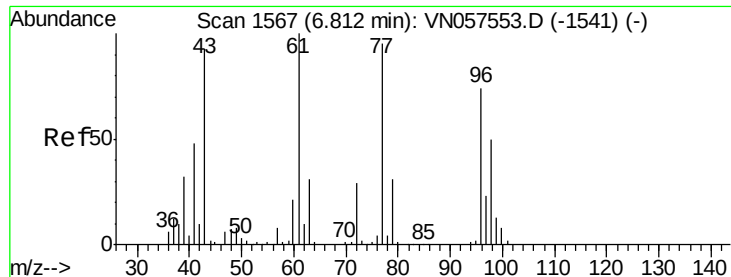
Tgt Ion: 43 Resp: 231641
Ion Ratio Lower Upper
43 100
72 28.4 17.8 26.8#



#26
2,2-Dichloropropane
Concen: 18.210 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tgt Ion: 77 Resp: 157720
Ion Ratio Lower Upper
77 100
97 23.0 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 20.174 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

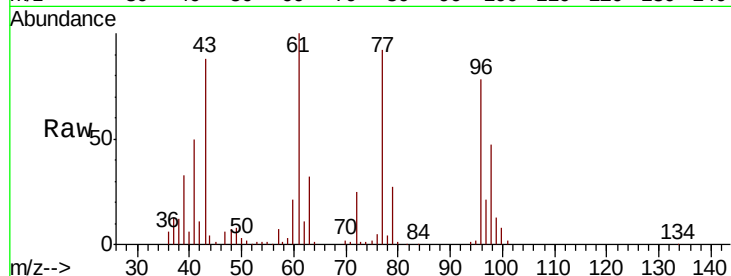
Tgt Ion: 96 Resp: 119990

Ion Ratio Lower Upper

96 100

61 134.9 0.0 334.8

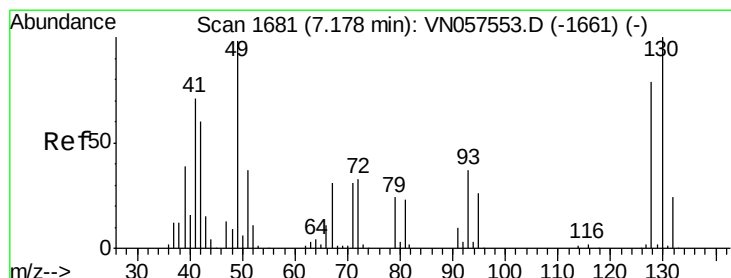
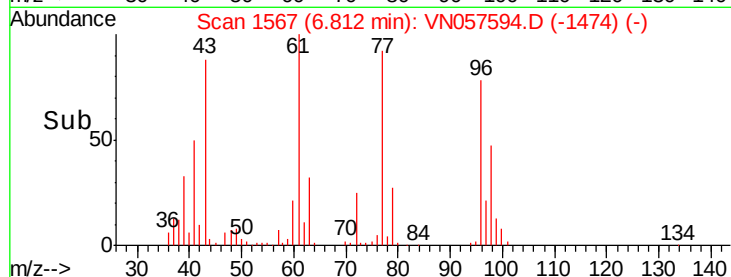
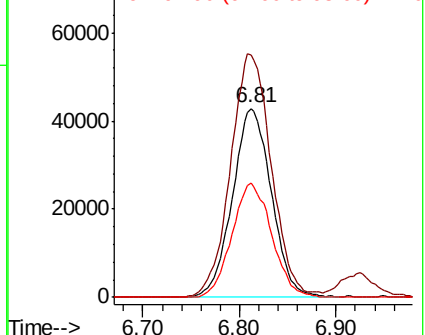
98 61.5 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 24.509 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

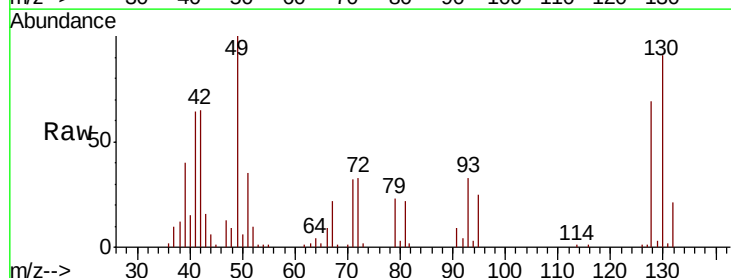
Tgt Ion: 49 Resp: 87393

Ion Ratio Lower Upper

49 100

129 2.9 0.0 3.6

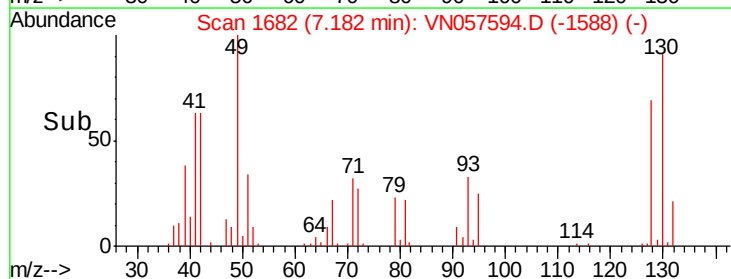
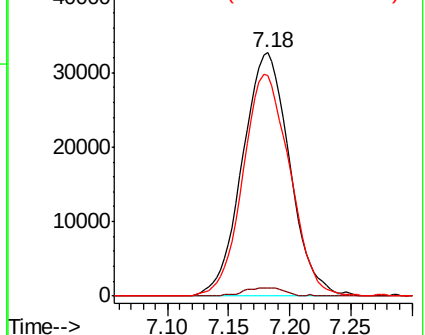
130 90.8 48.6 72.8#

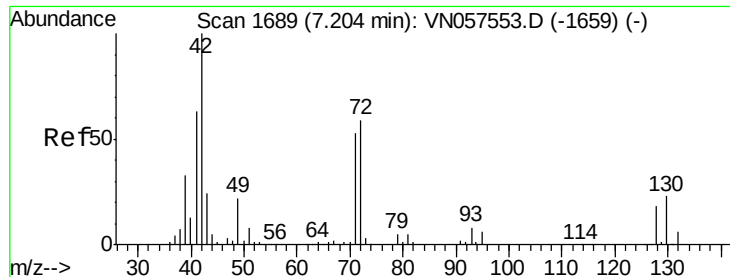


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 107.088 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampled :

VN0831WBSD01

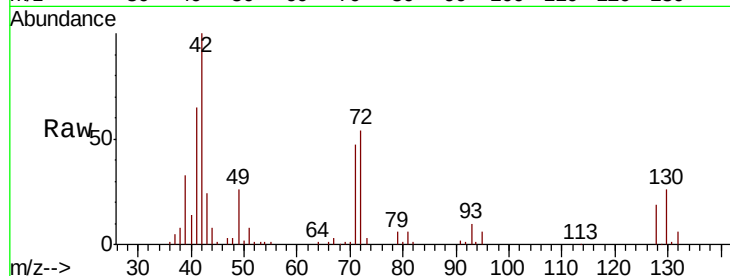
Tgt Ion: 42 Resp: 144917

Ion Ratio Lower Upper

42 100

72 52.7 30.1 45.1#

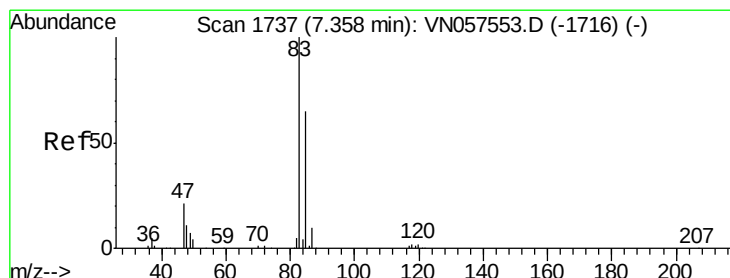
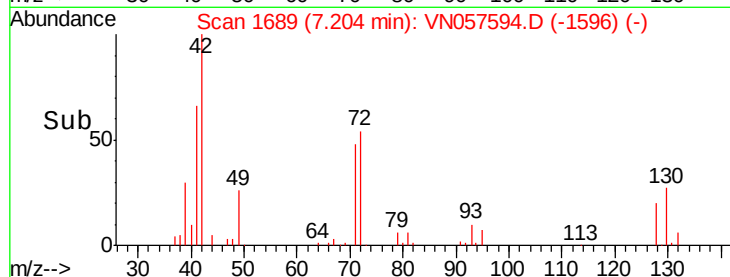
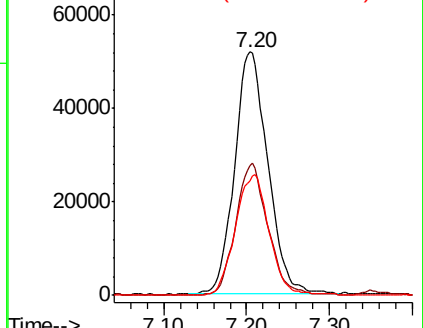
71 50.3 28.8 43.2#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.295 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN057594.D

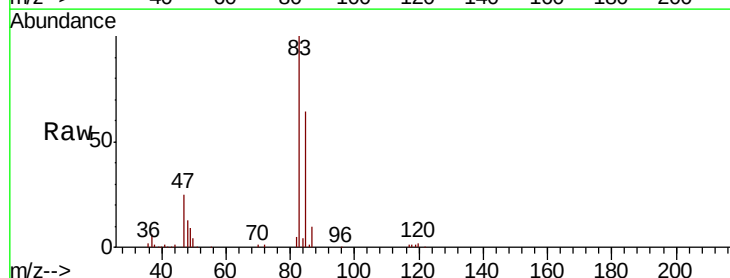
Acq: 30 Aug 2019 17:56

Tgt Ion: 83 Resp: 203121

Ion Ratio Lower Upper

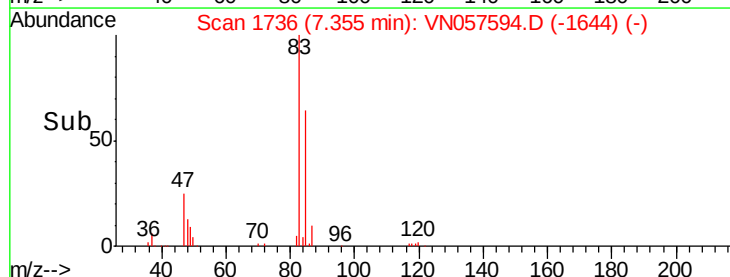
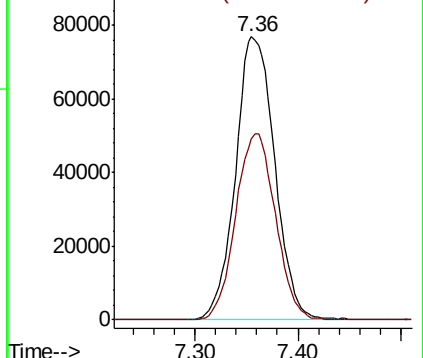
83 100

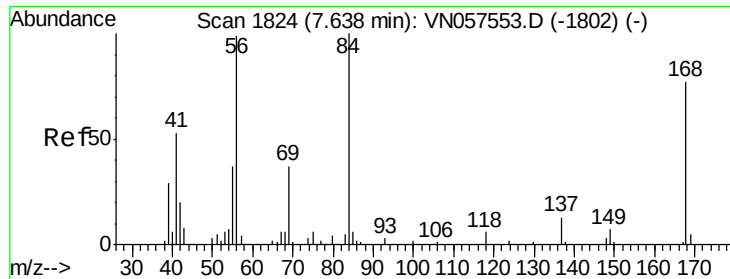
85 64.0 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

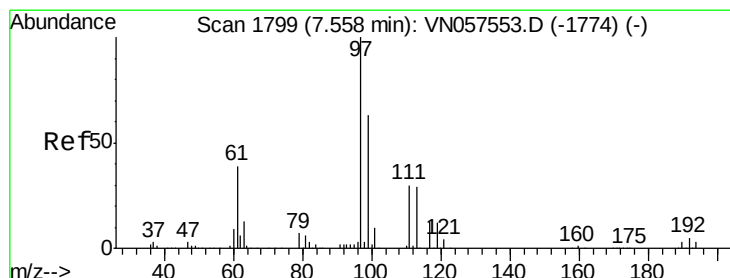
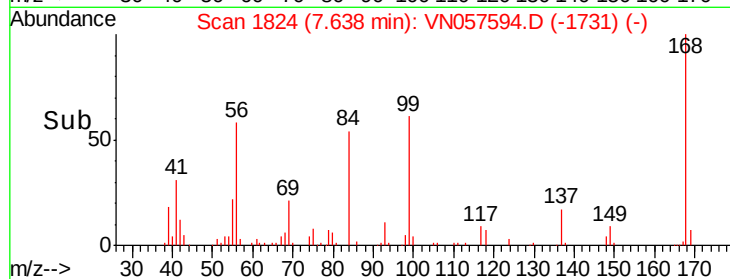
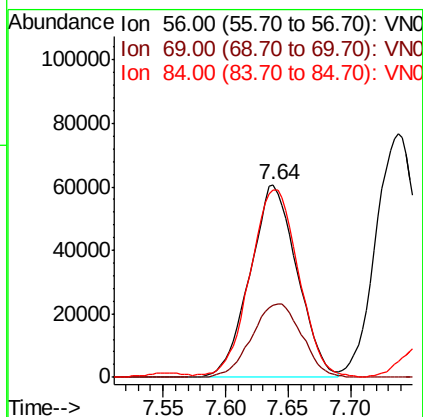
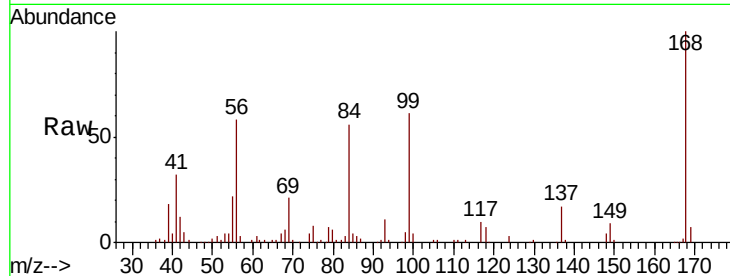




#31
Cyclohexane
Concen: 20.080 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

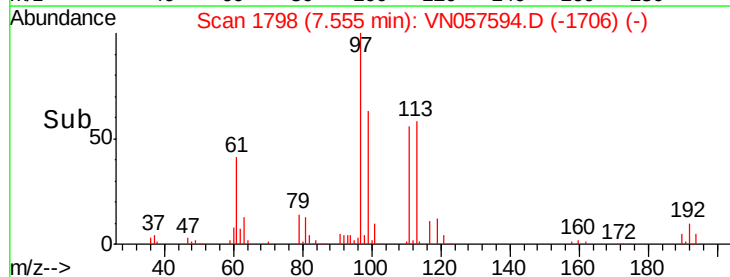
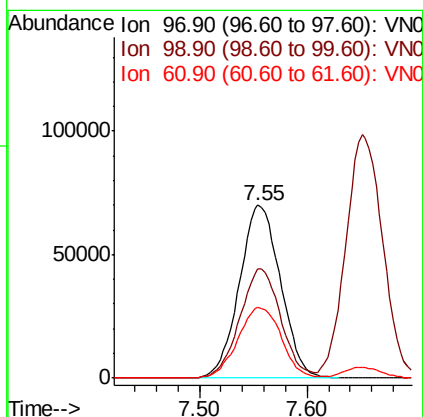
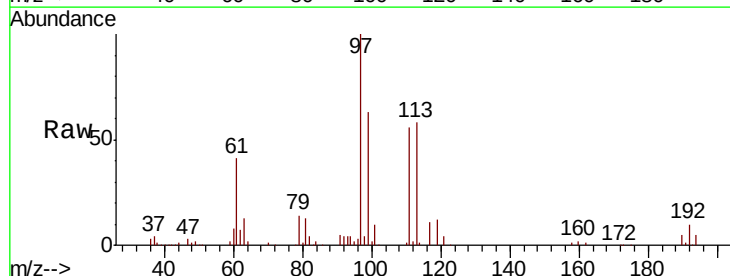
Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

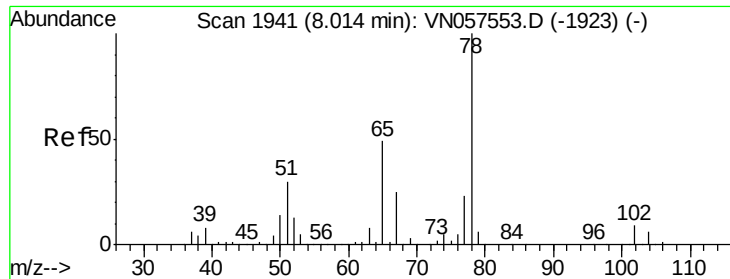
Tgt Ion: 56 Resp: 158188
Ion Ratio Lower Upper
56 100
69 37.1 25.0 37.6
84 95.8 62.5 93.7#



#32
1,1,1-Trichloroethane
Concen: 19.890 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tgt Ion: 97 Resp: 186130
Ion Ratio Lower Upper
97 100
99 62.8 51.0 76.6
61 42.8 39.8 59.6

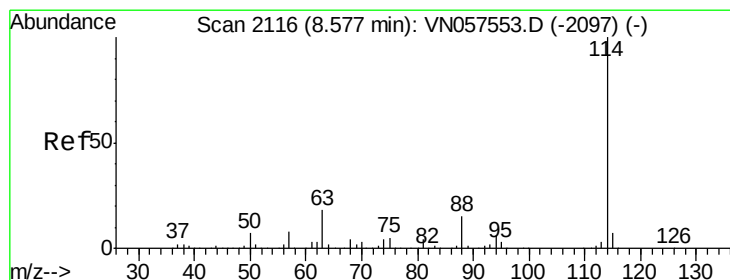
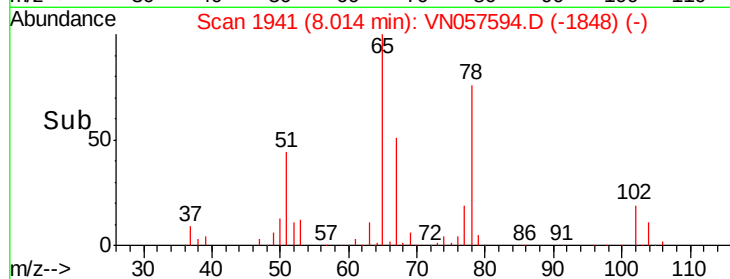
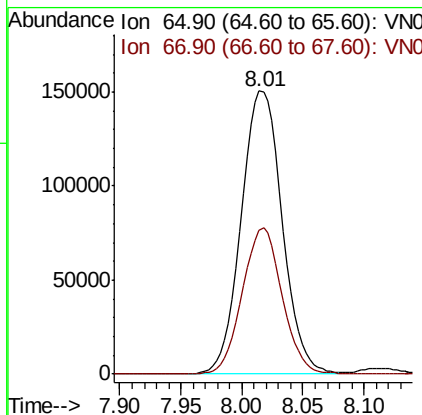
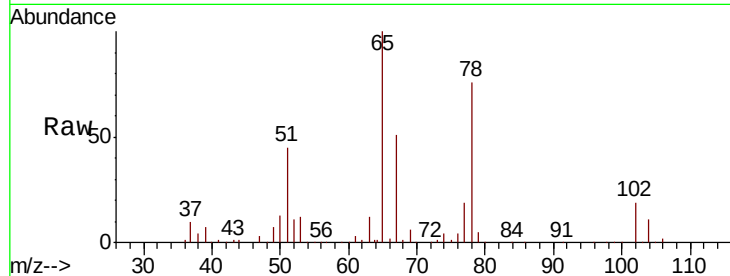




#33
 1,2-Dichloroethane-d4
 Concen: 51.565 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

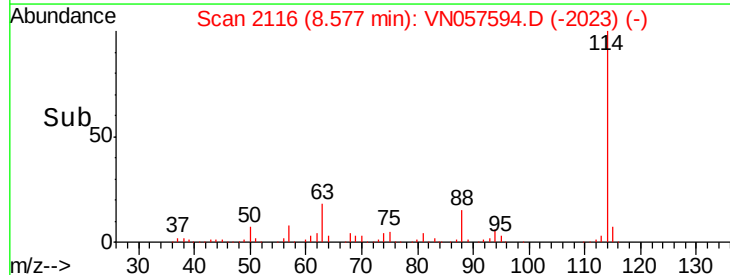
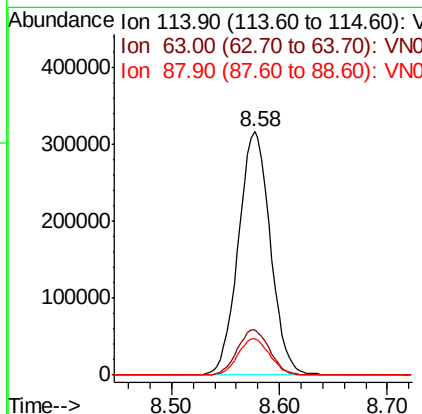
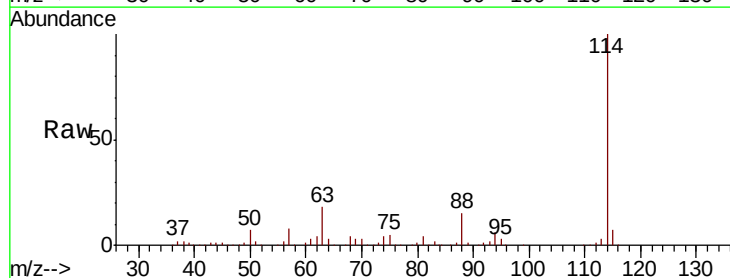
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD01

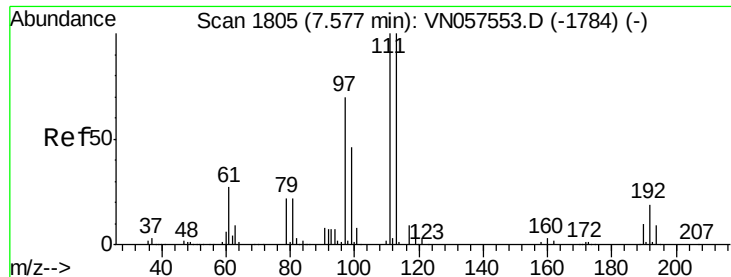
Tgt Ion: 65 Resp: 349718
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Tgt Ion: 114 Resp: 653277
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 50.2
 88 15.0 0.0 34.6

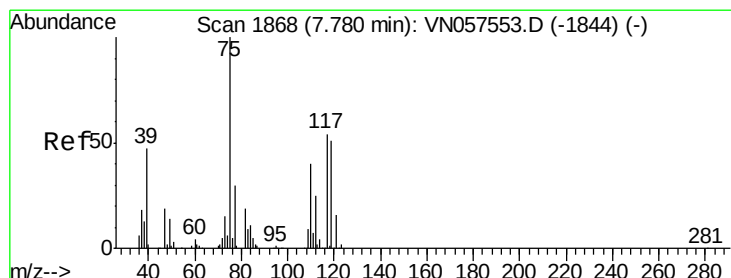
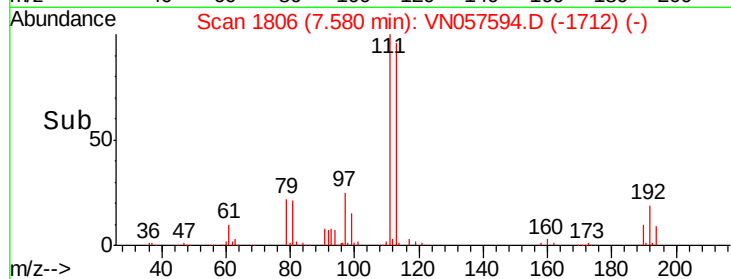
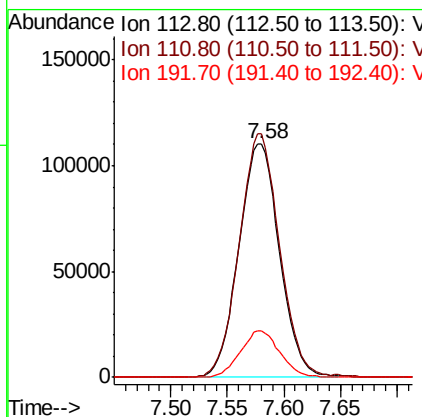
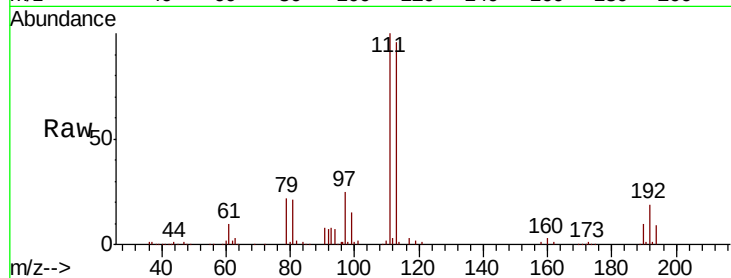




#35
 Dibromofluoromethane
 Concen: 47.261 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

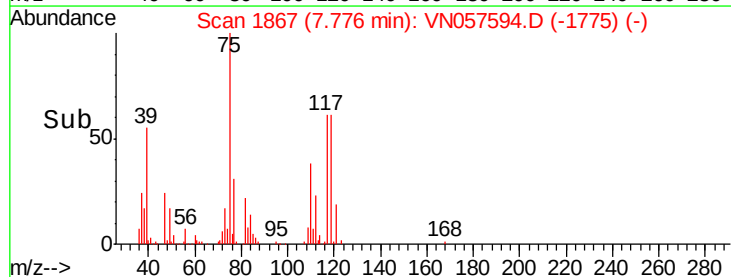
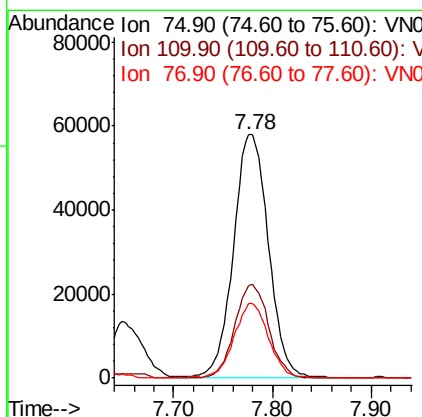
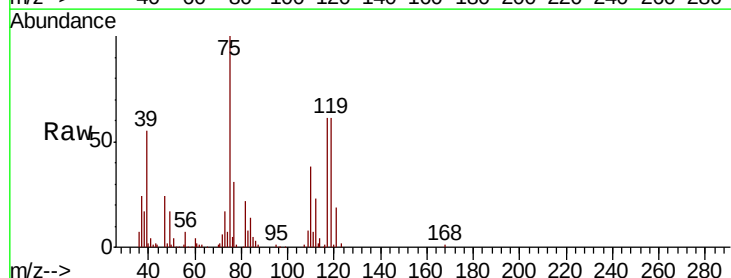
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD01

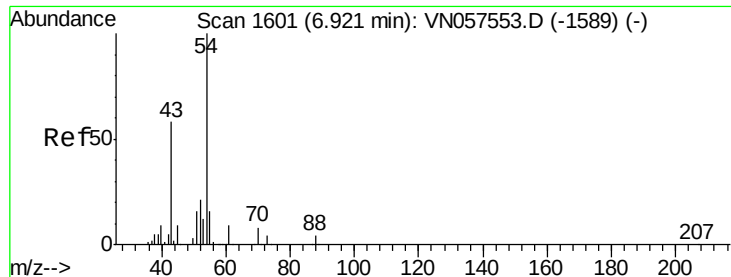
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.8	125.6
192	19.3	13.5	20.3



#36
 1,1-Dichloropropene
 Concen: 20.255 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.1	16.1	48.3
77	30.1	24.8	37.2

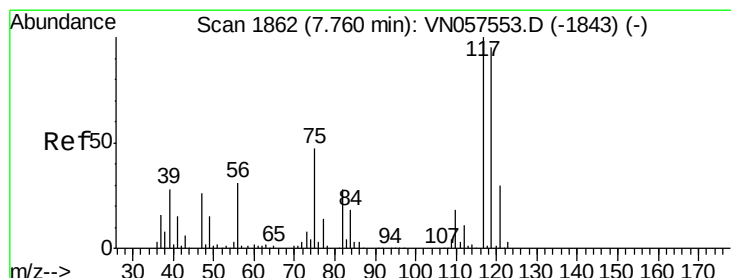
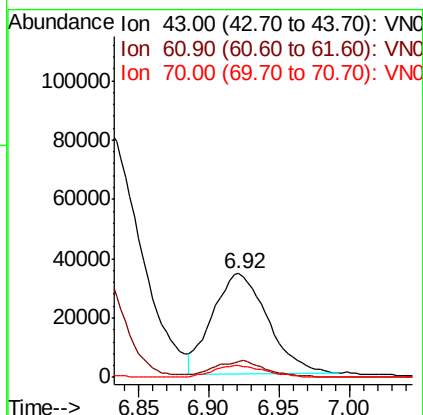
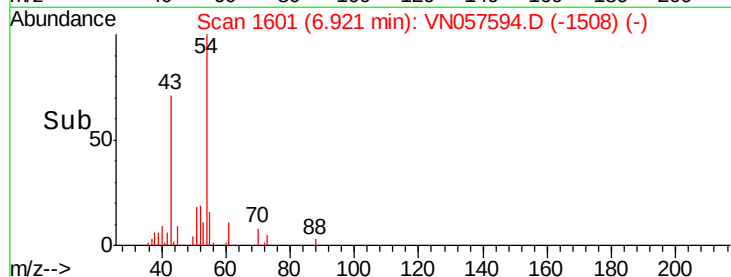
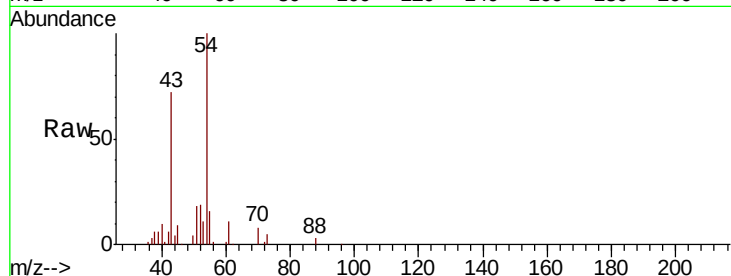




#37
 Ethyl Acetate
 Concen: 19.772 ug/l
 RT: 6.92 min Scan# 1601
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

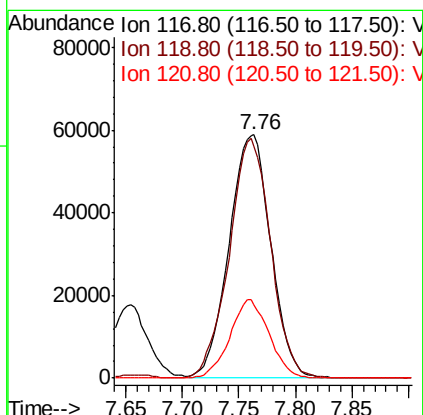
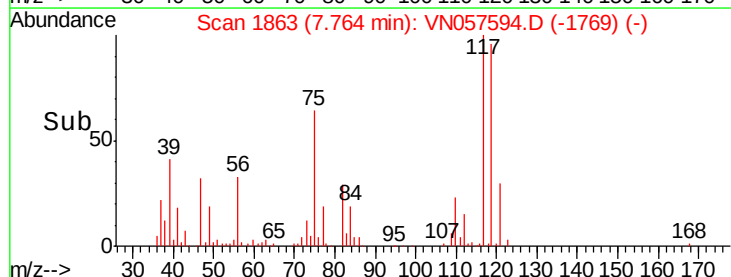
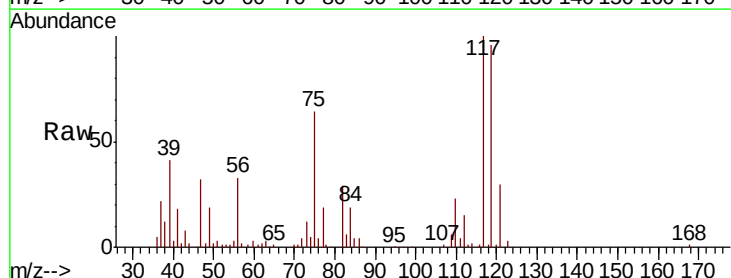
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0831WBSD01

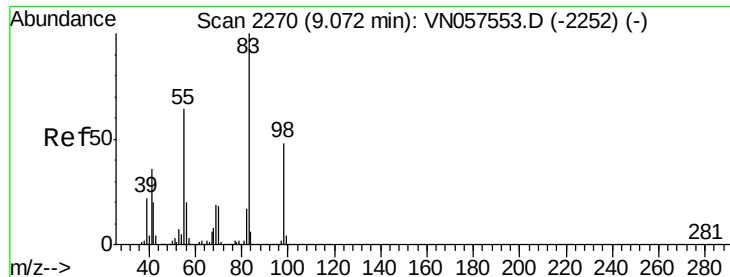
Tgt Ion: 43 Resp: 92579
 Ion Ratio Lower Upper
 43 100
 61 15.5 9.9 14.9#
 70 11.2 7.0 10.6#



#38
 Carbon Tetrachloride
 Concen: 18.308 ug/l
 RT: 7.76 min Scan# 1863
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Tgt Ion: 117 Resp: 151298
 Ion Ratio Lower Upper
 117 100
 119 95.5 76.2 114.4
 121 30.4 23.8 35.6

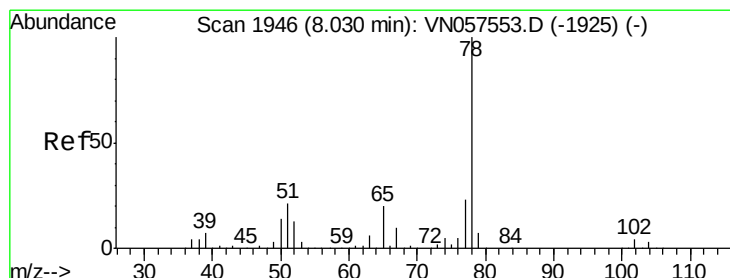
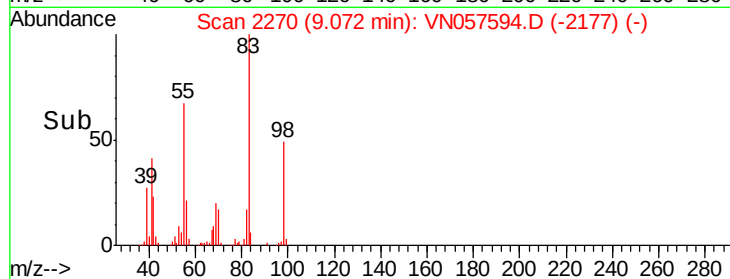
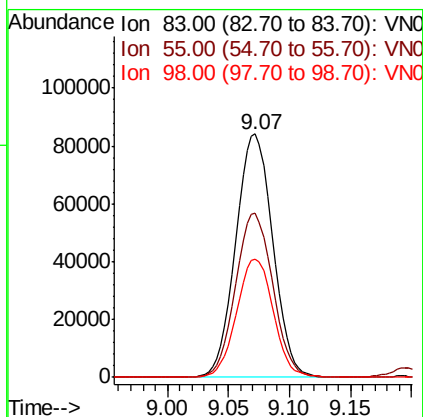
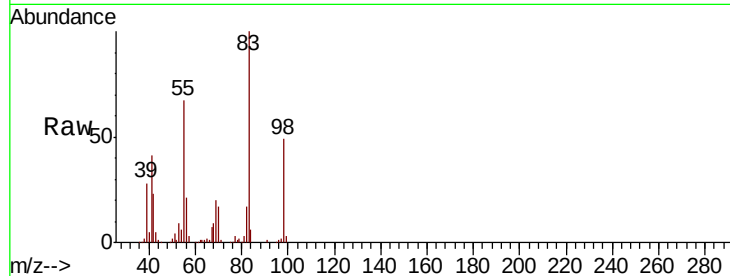




#39
Methylcyclohexane
Concen: 19.742 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

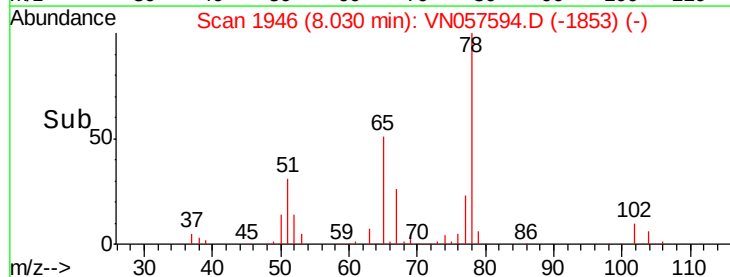
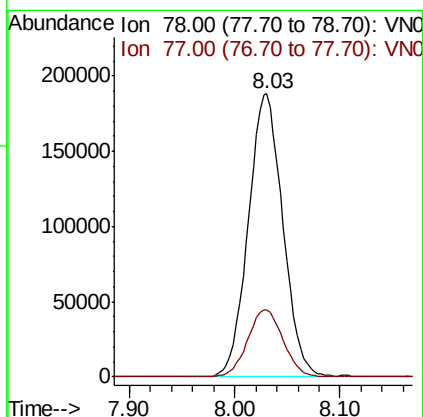
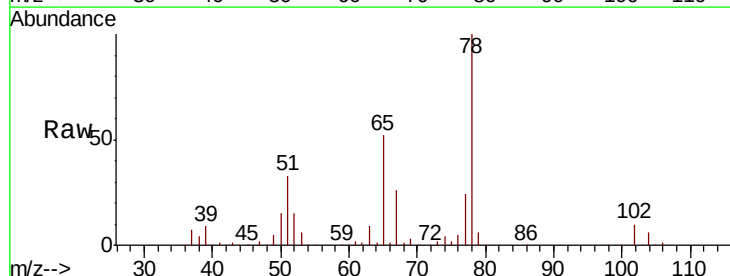
Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

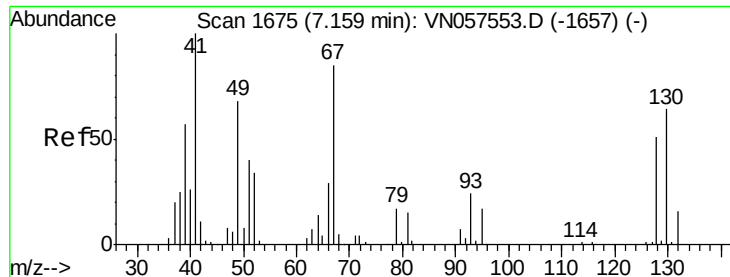
Tgt Ion: 83 Resp: 177506
Ion Ratio Lower Upper
83 100
55 67.1 68.6 102.8#
98 48.8 36.6 54.8



#40
Benzene
Concen: 19.799 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tgt Ion: 78 Resp: 428487
Ion Ratio Lower Upper
78 100
77 23.6 18.5 27.7





#41

Methacrylonitrile

Concen: 17.638 ug/l

RT: 7.16 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

Tgt Ion: 41 Resp: 35984

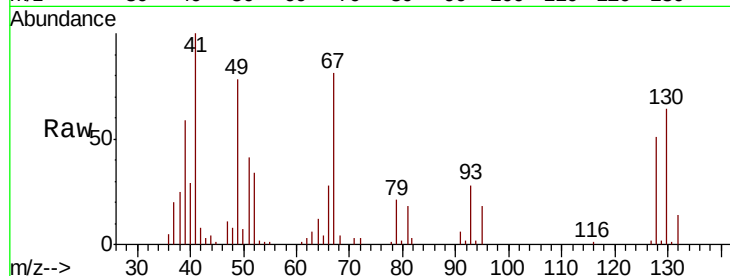
Ion Ratio Lower Upper

41 100

39 78.3 53.6 80.4

67 119.4 65.4 98.2#

52 53.6 29.8 44.6#

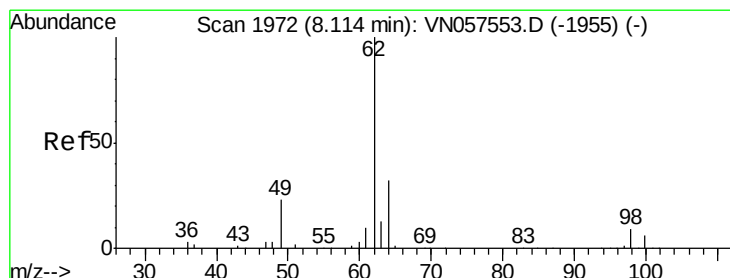
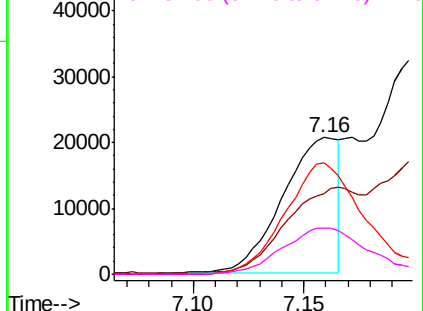
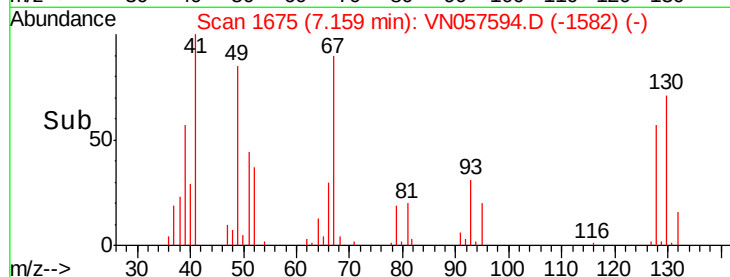


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 21.183 ug/l

RT: 8.11 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VN057594.D

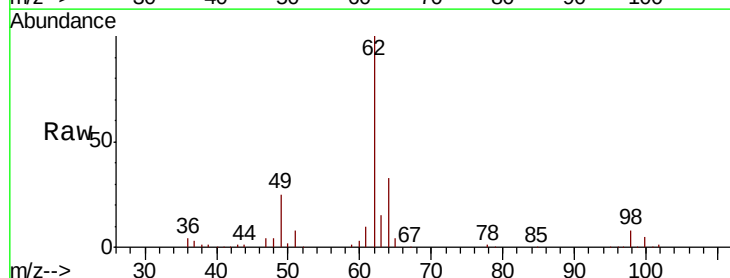
Acq: 30 Aug 2019 17:56

Tgt Ion: 62 Resp: 163173

Ion Ratio Lower Upper

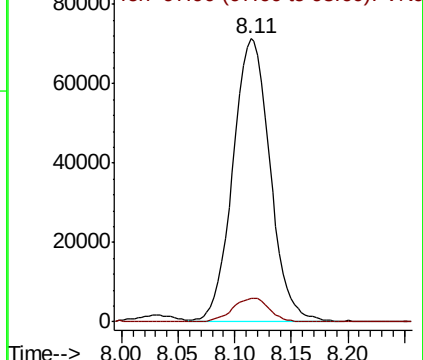
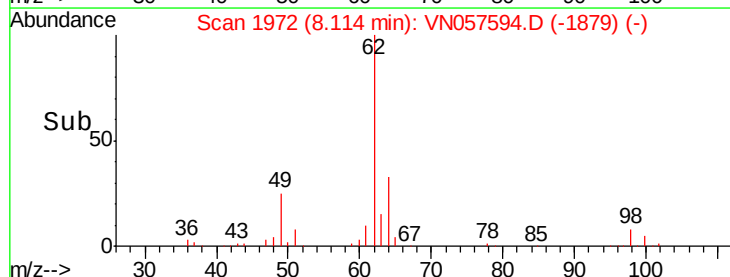
62 100

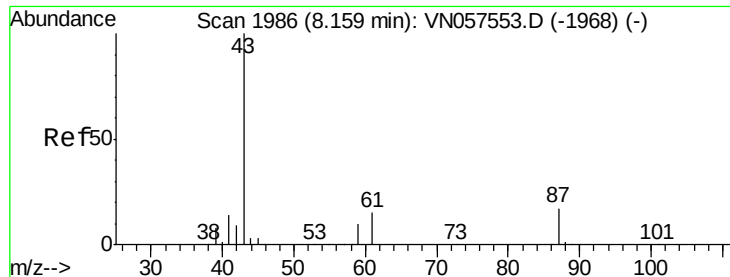
98 8.2 0.0 15.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.612 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

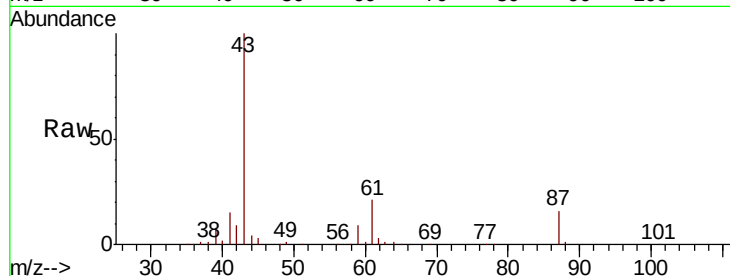
Tgt Ion: 43 Resp: 180136

Ion Ratio Lower Upper

43 100

61 20.9 14.5 21.7

87 15.4 8.6 12.8#

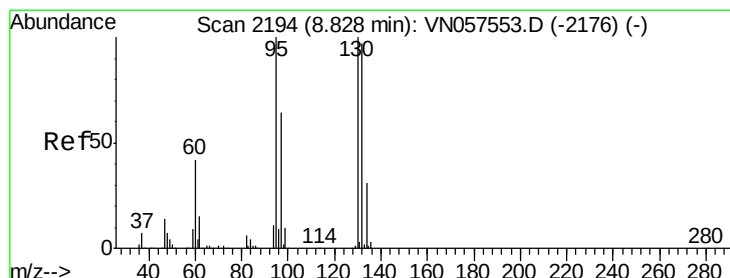
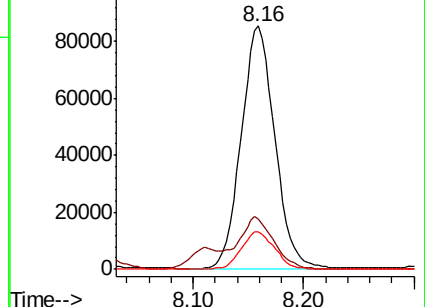
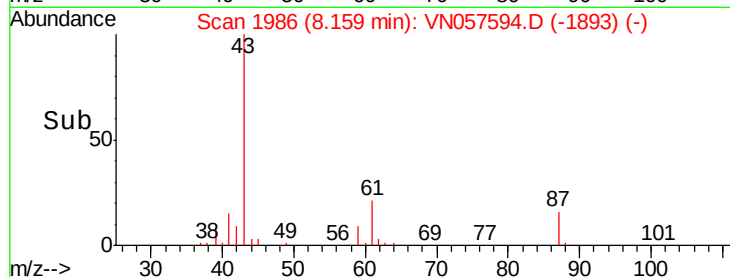


Abundance Ion 43.00 (42.70 to 43.70): VN057553.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN057553.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN057553.D (-1968) (-)

8.16



#44

Trichloroethene

Concen: 19.835 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN057594.D

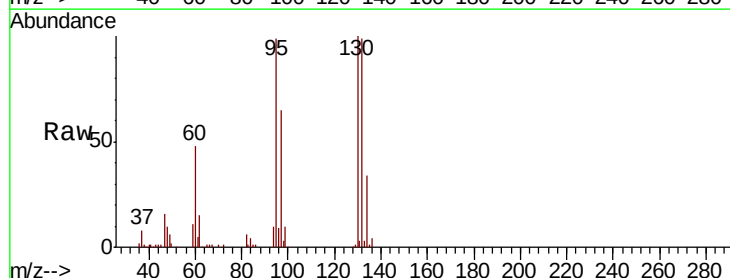
Acq: 30 Aug 2019 17:56

Tgt Ion: 130 Resp: 118538

Ion Ratio Lower Upper

130 100

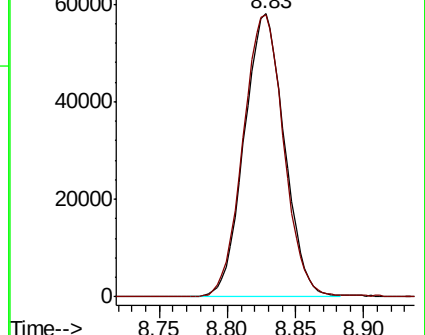
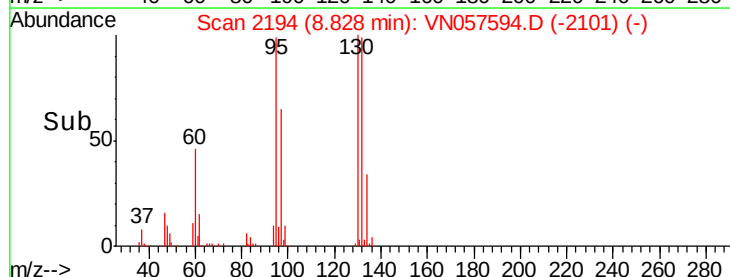
95 99.5 0.0 231.6

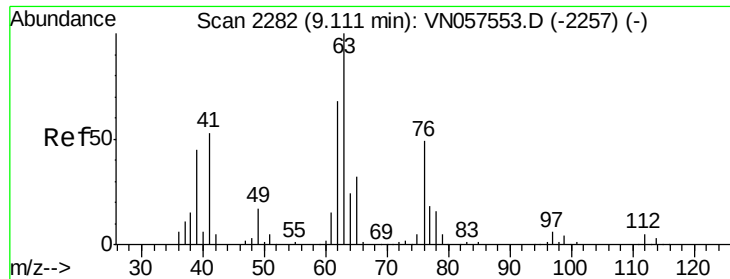


Abundance Ion 129.80 (129.50 to 130.50): VN057553.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN057553.D (-2176) (-)

8.83

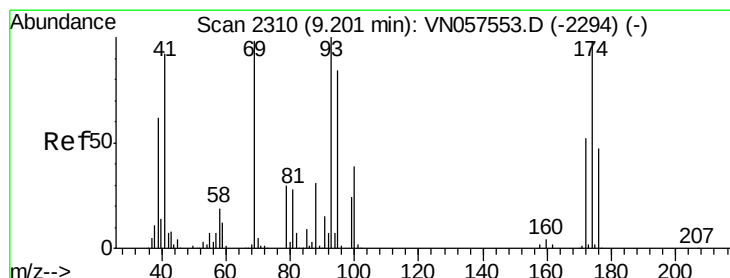
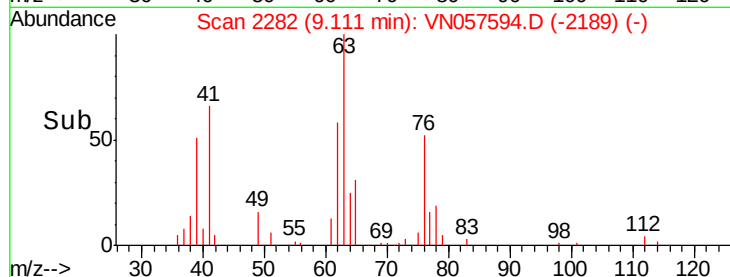
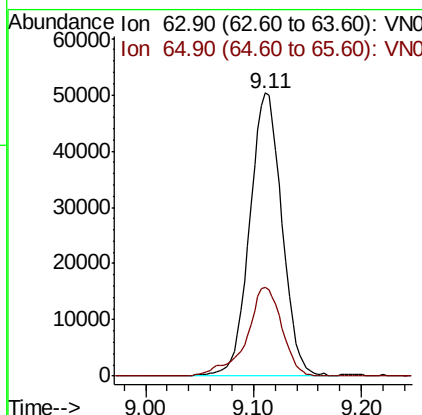
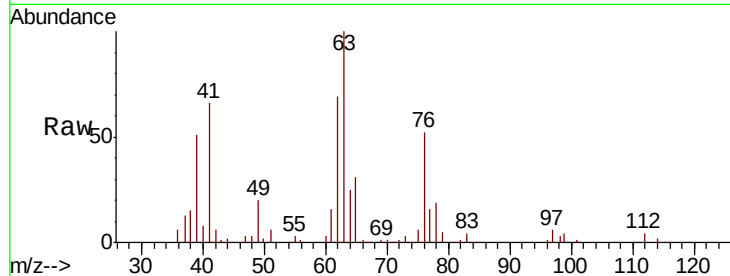




#45
 1,2-Dichloropropane
 Concen: 20.639 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

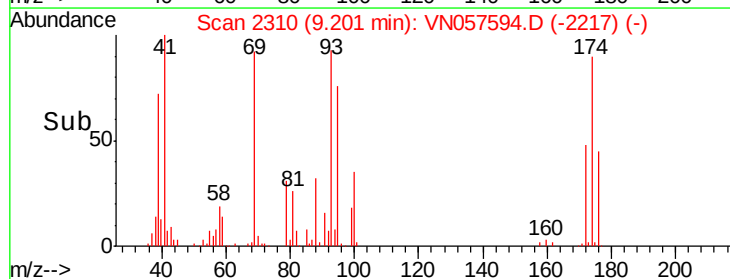
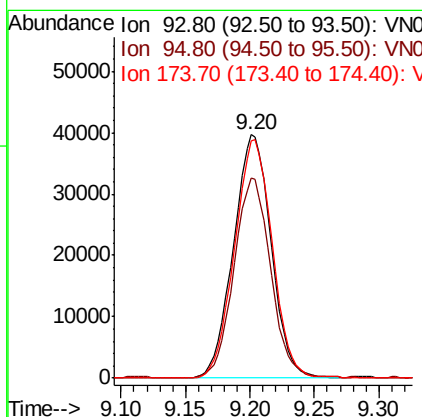
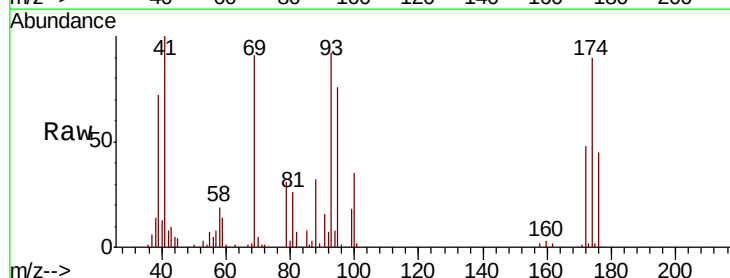
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD01

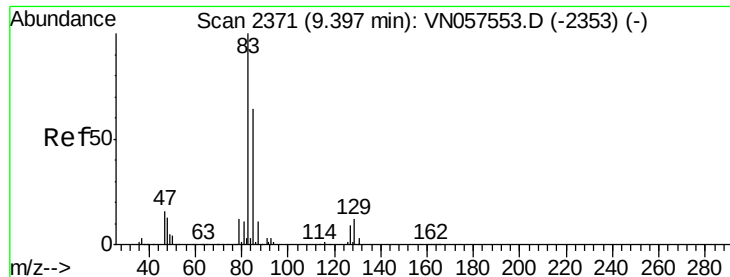
Tgt Ion: 63 Resp: 104373
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.7 37.1



#46
 Dibromomethane
 Concen: 20.355 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Tgt Ion: 93 Resp: 80719
 Ion Ratio Lower Upper
 93 100
 95 80.3 64.7 97.1
 174 97.5 62.3 93.5#





#47

Bromodichloromethane

Concen: 19.104 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

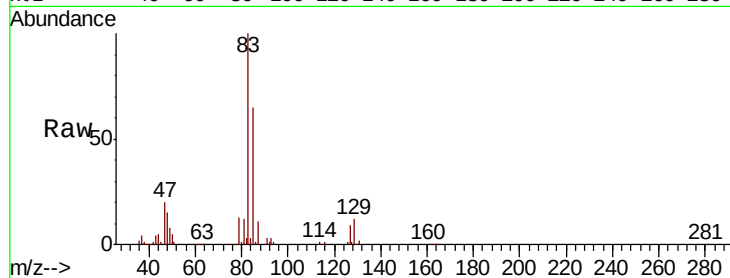
Tgt Ion: 83 Resp: 156185

Ion Ratio Lower Upper

83 100

85 65.4 51.2 76.8

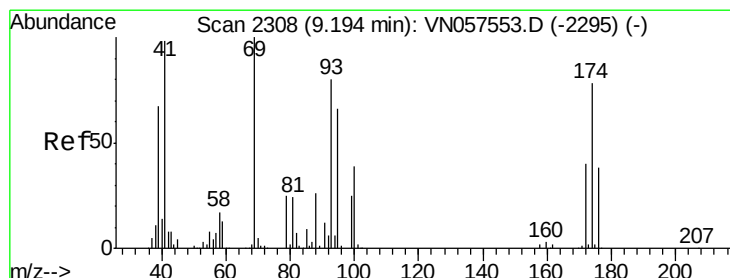
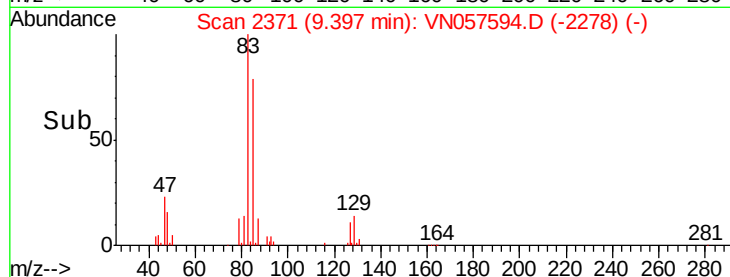
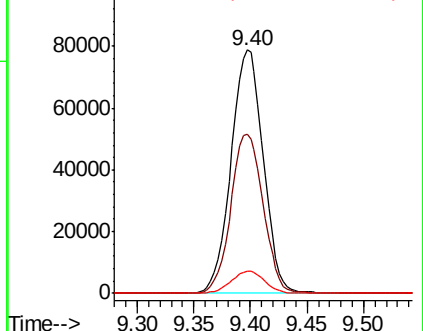
127 9.3 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 21.286 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

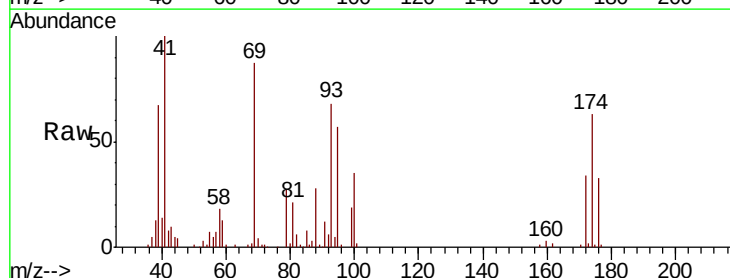
Tgt Ion: 41 Resp: 87859

Ion Ratio Lower Upper

41 100

69 91.0 59.3 88.9#

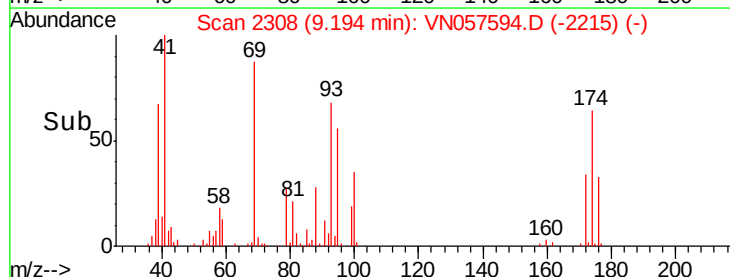
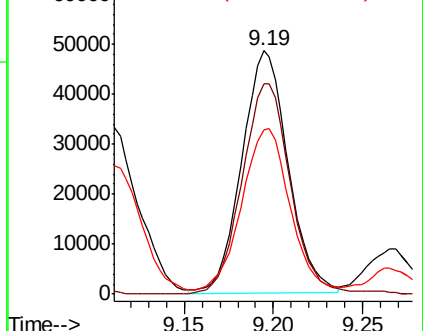
39 71.6 50.6 75.8

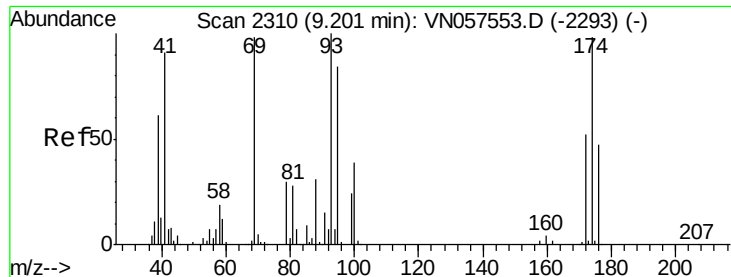


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 432.468 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

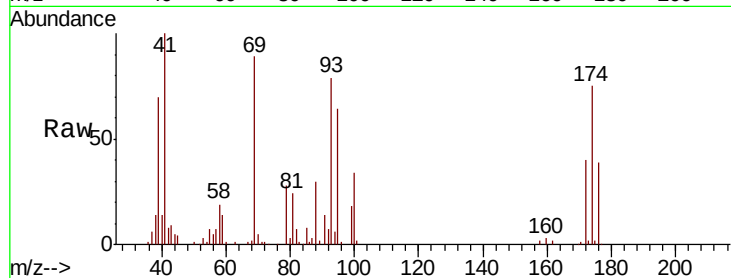
Tgt Ion: 88 Resp: 32576

Ion Ratio Lower Upper

88 100

43 27.4 31.0 46.6#

58 61.6 64.5 96.7#

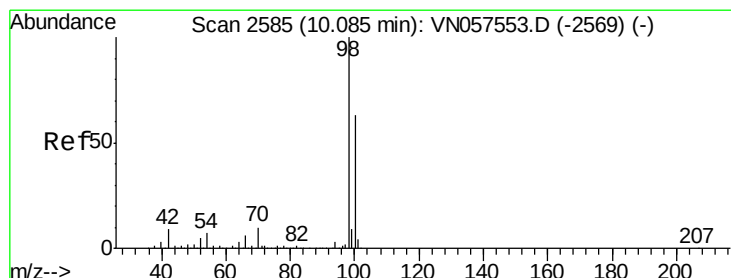
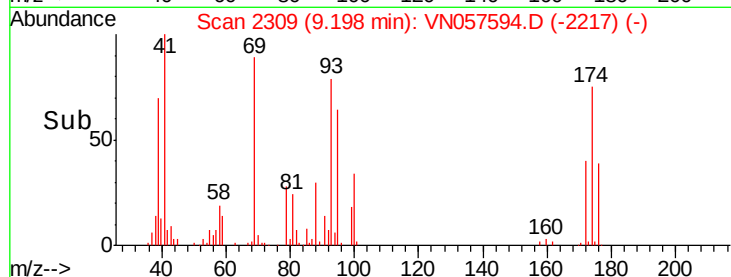
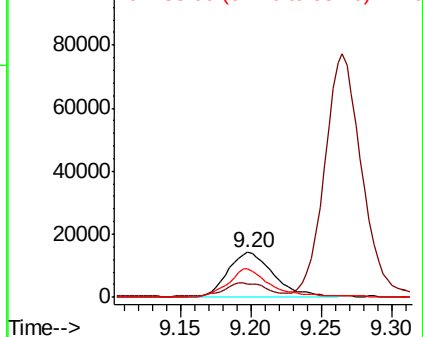


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 52.134 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057594.D

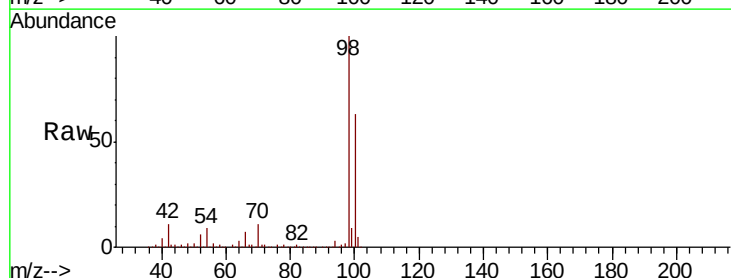
Acq: 30 Aug 2019 17:56

Tgt Ion: 98 Resp: 1076747

Ion Ratio Lower Upper

98 100

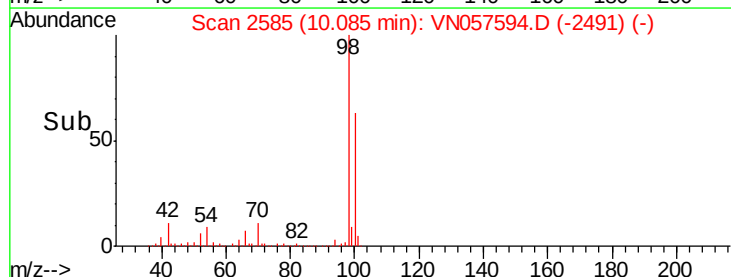
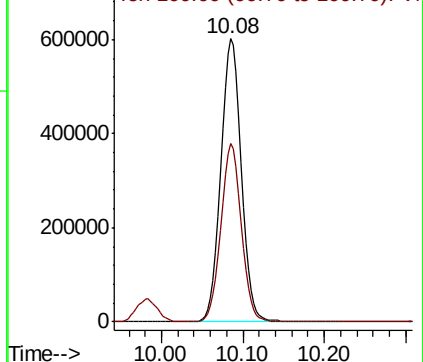
100 62.4 50.4 75.6

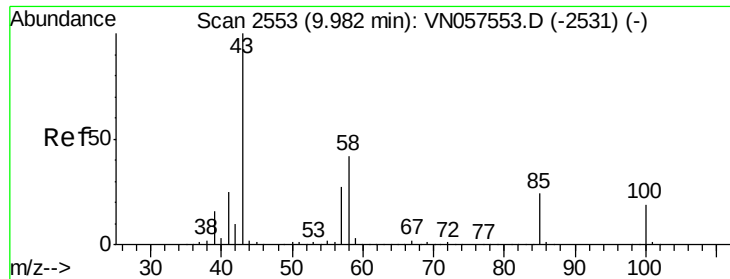


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

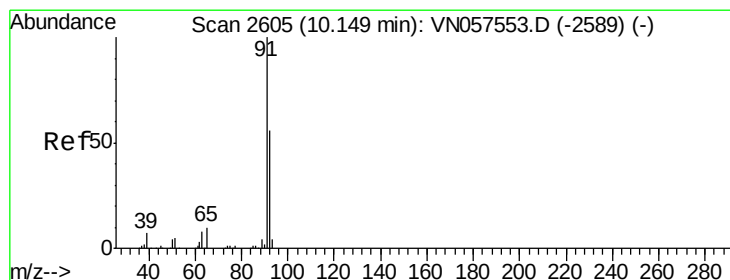
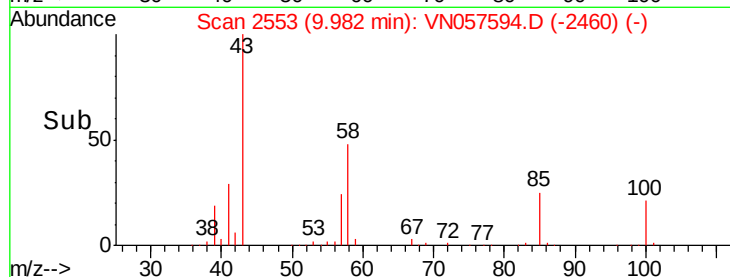
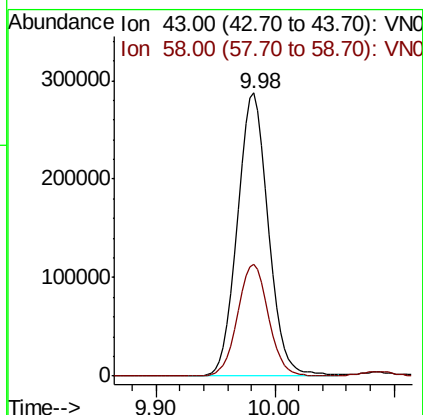
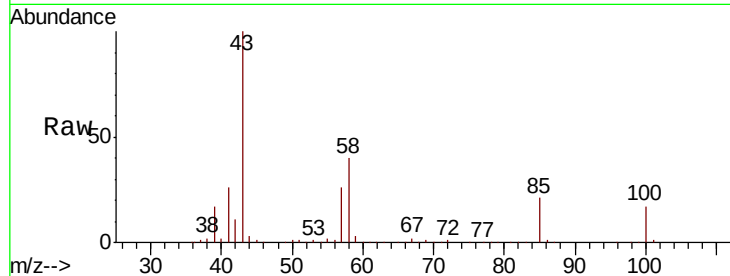




#51
 4-Methyl-2-Pentanone
 Concen: 110.580 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

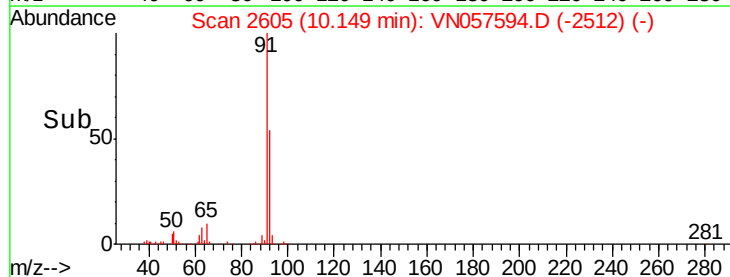
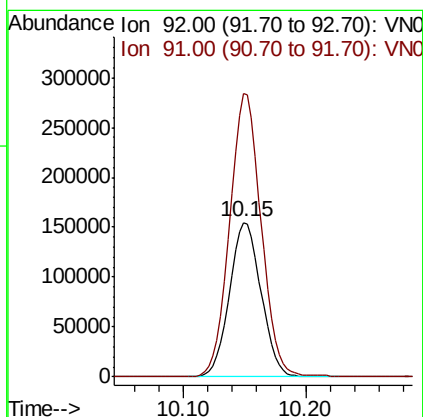
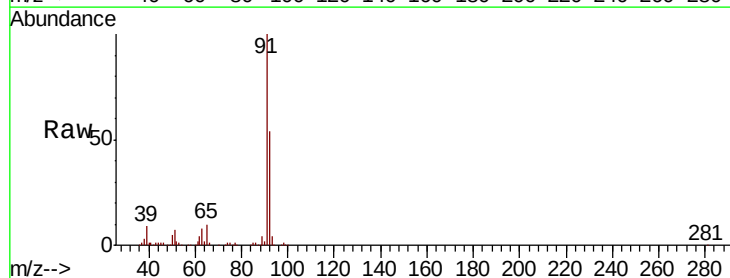
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD01

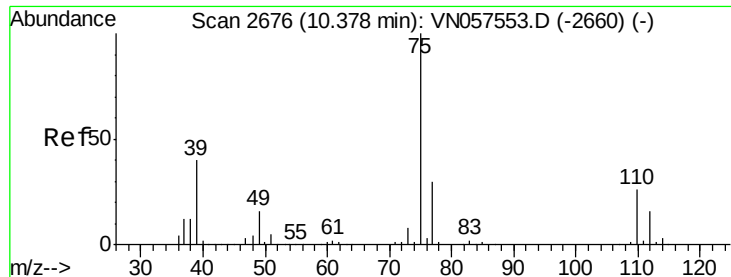
Tgt Ion: 43 Resp: 516508
 Ion Ratio Lower Upper
 43 100
 58 39.5 27.9 41.9



#52
 Toluene
 Concen: 19.881 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Tgt Ion: 92 Resp: 278755
 Ion Ratio Lower Upper
 92 100
 91 182.5 140.9 211.3

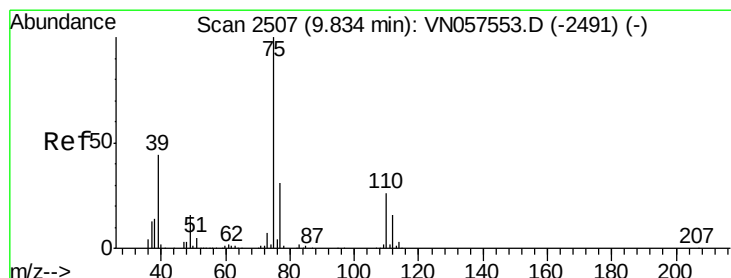
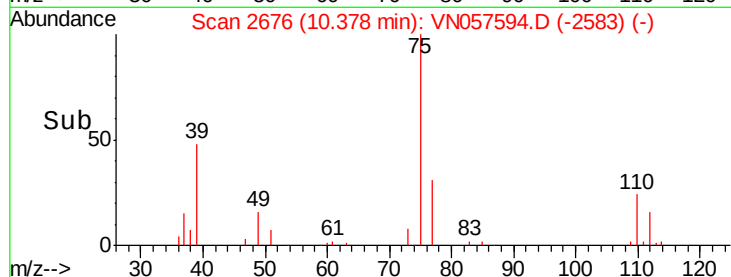
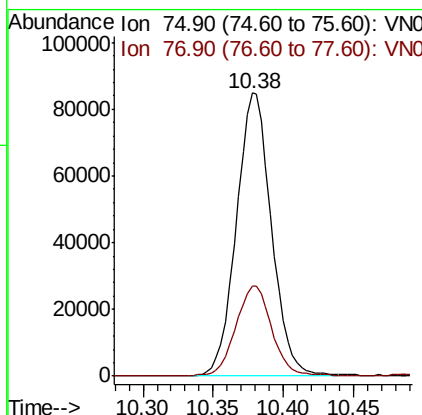
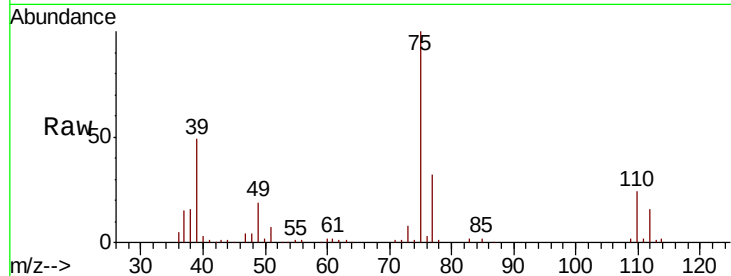




#53
t-1,3-Dichloropropene
Concen: 18.712 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

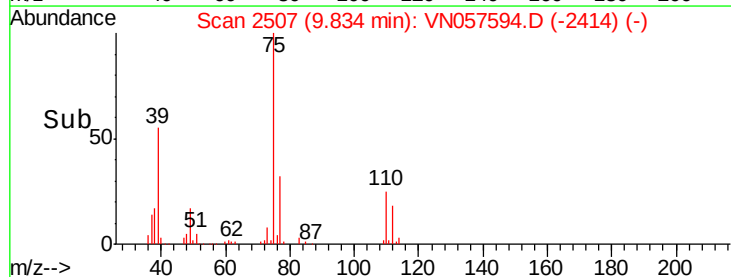
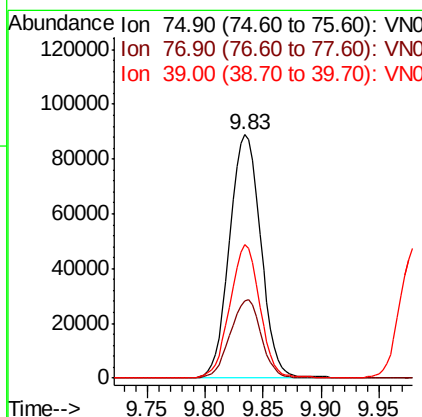
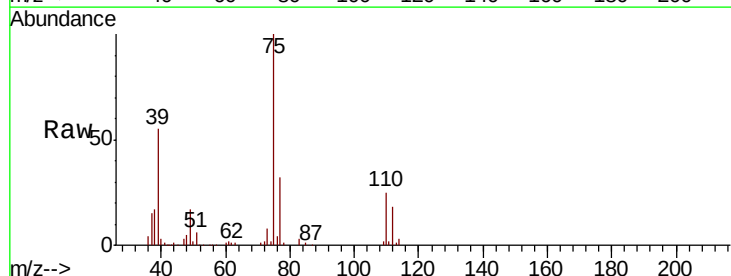
Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

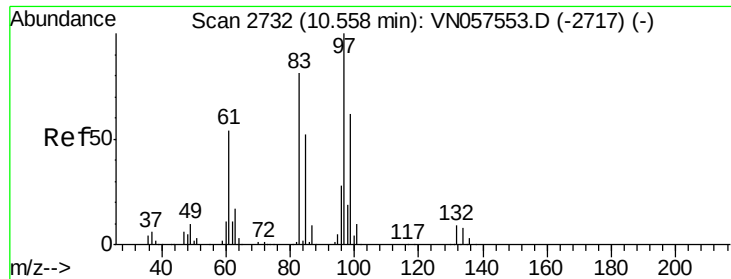
Tgt Ion: 75 Resp: 147846
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 19.433 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tgt Ion: 75 Resp: 166302
Ion Ratio Lower Upper
75 100
77 32.0 25.0 37.6
39 54.4 49.2 73.8





#55

1,1,2-Trichloroethane

Concen: 20.159 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

Tgt Ion: 97 Resp: 108705

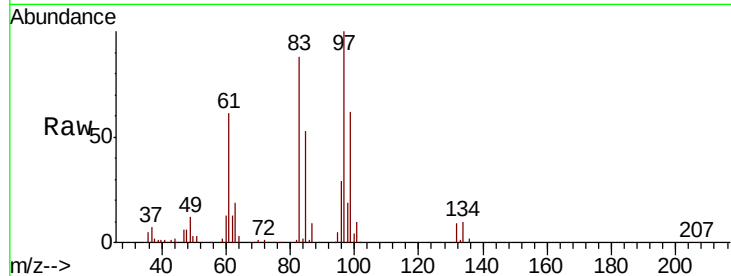
Ion Ratio Lower Upper

97 100

83 87.7 73.7 110.5

85 52.5 46.8 70.2

99 61.9 49.8 74.8

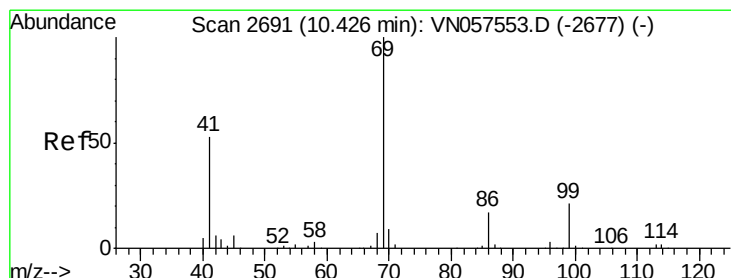
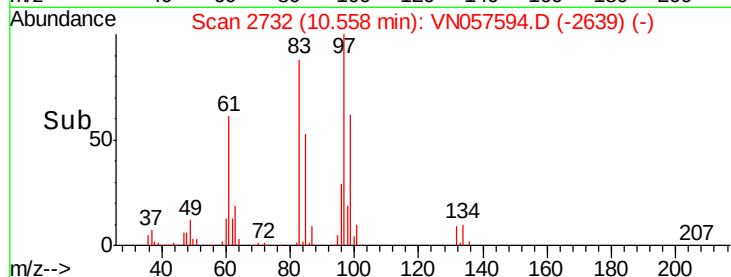
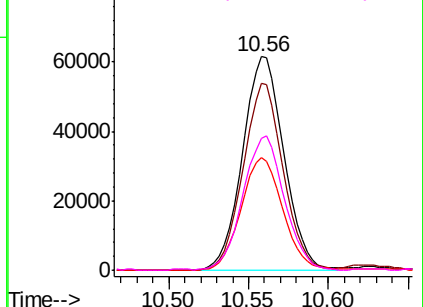


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.281 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

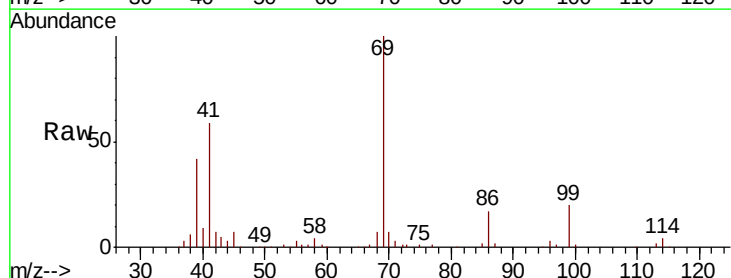
Tgt Ion: 69 Resp: 145570

Ion Ratio Lower Upper

69 100

41 57.5 60.8 91.2#

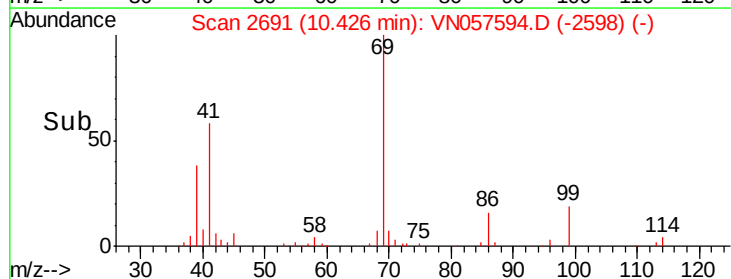
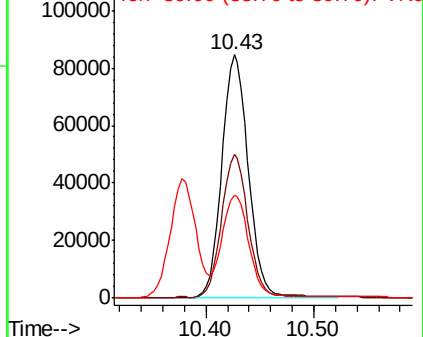
39 41.7 36.5 54.7

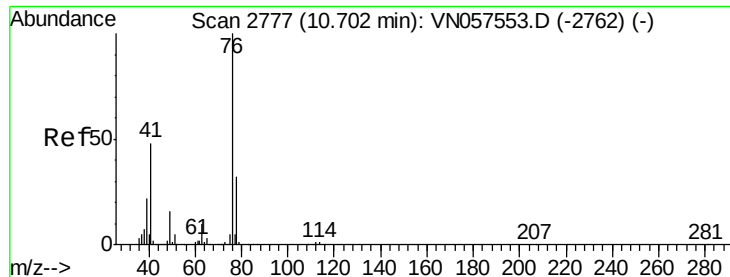


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.579 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

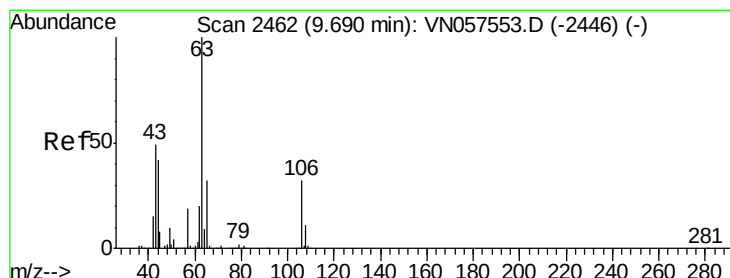
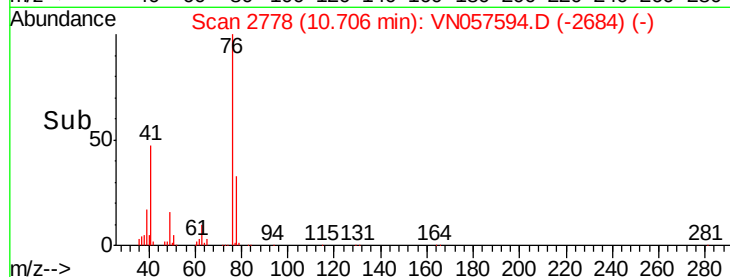
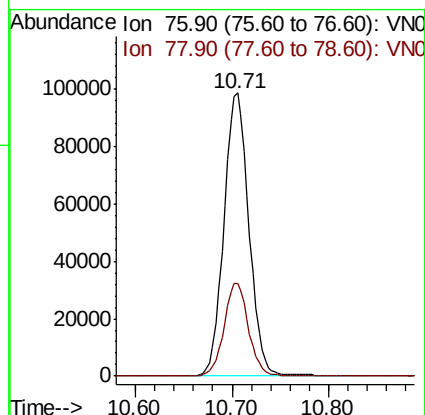
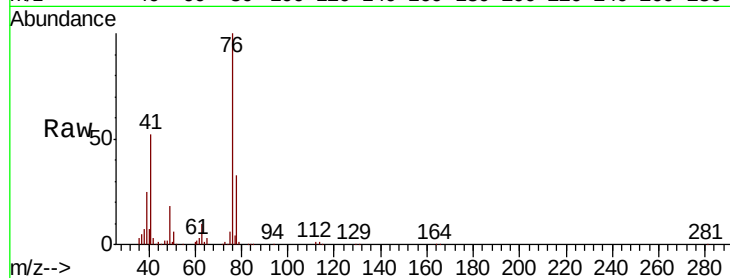
VN0831WBSD01

Tgt Ion: 76 Resp: 177277

Ion Ratio Lower Upper

76 100

78 32.0 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 105.869 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057594.D

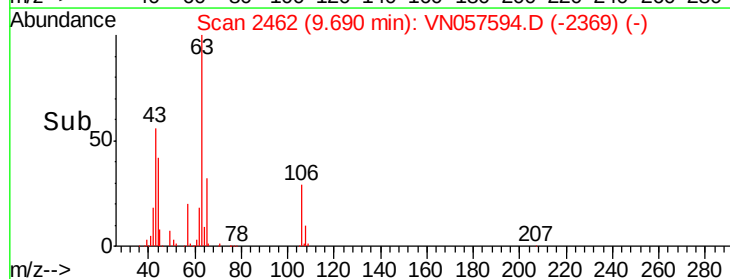
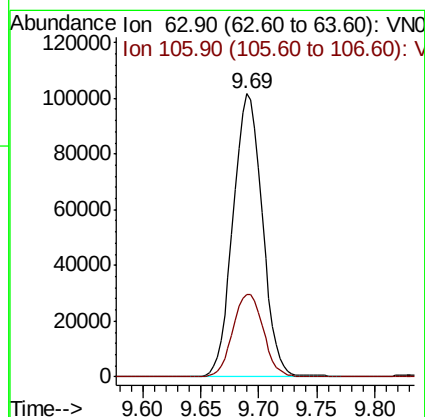
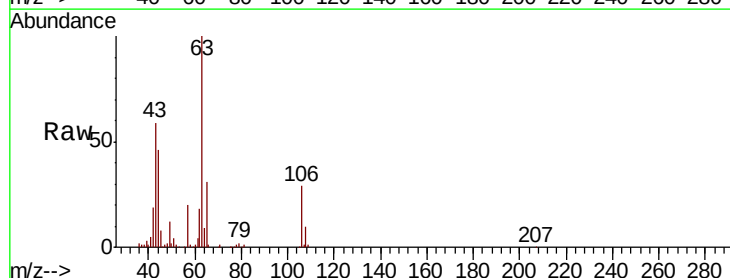
Acq: 30 Aug 2019 17:56

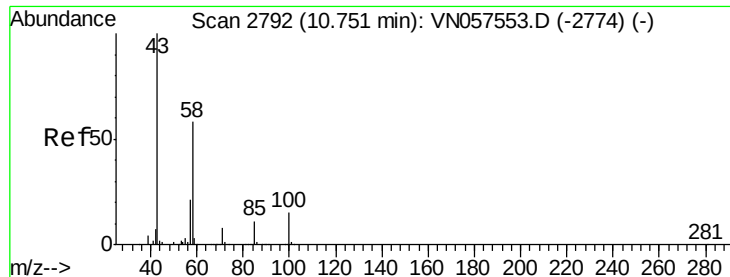
Tgt Ion: 63 Resp: 178281

Ion Ratio Lower Upper

63 100

106 30.3 18.6 27.8#

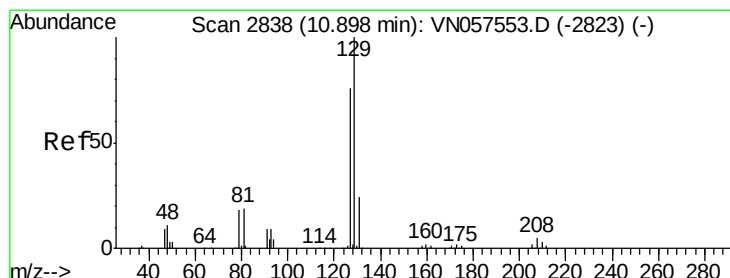
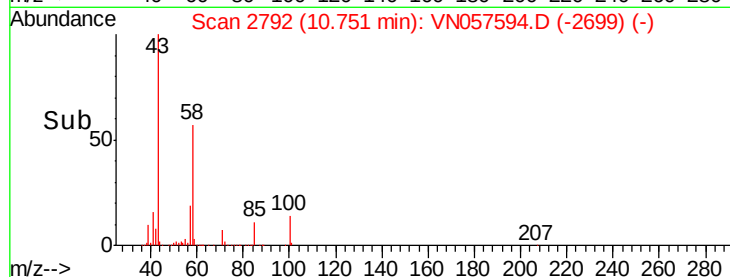
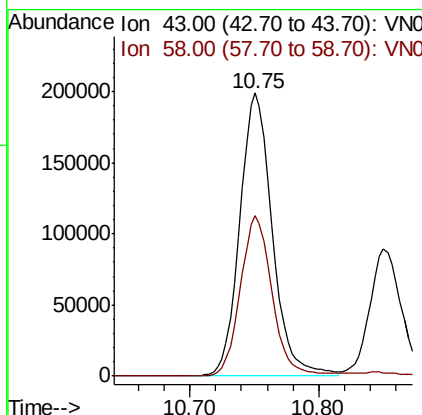
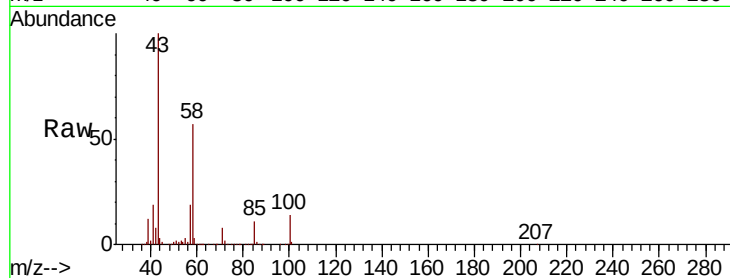




#59
2-Hexanone
Concen: 107.942 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

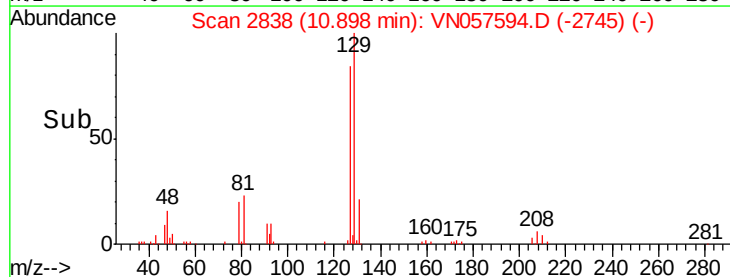
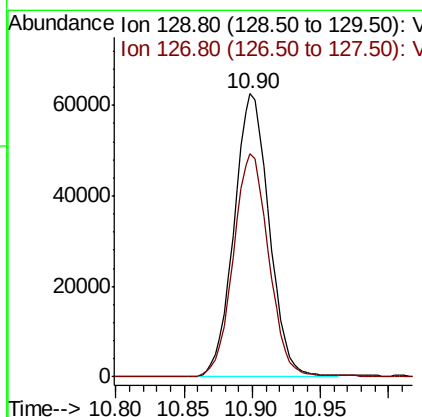
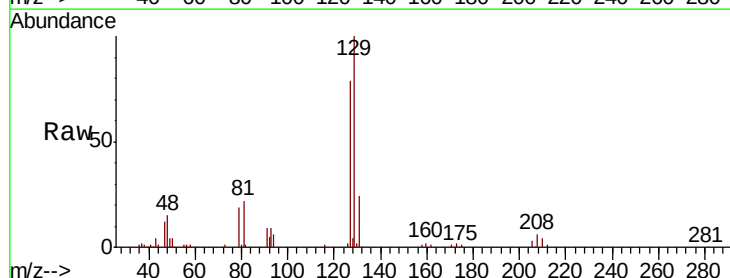
Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

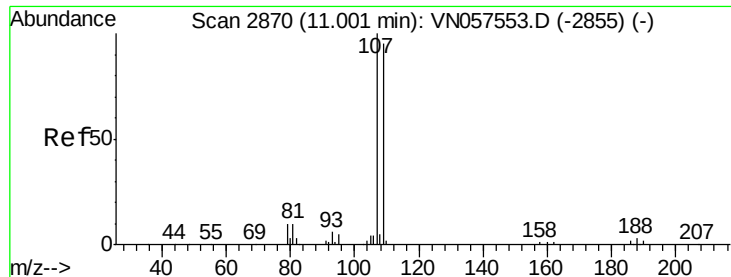
Tgt Ion: 43 Resp: 348098
Ion Ratio Lower Upper
43 100
58 55.6 24.6 73.6



#60
Dibromochloromethane
Concen: 18.212 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tgt Ion: 129 Resp: 112023
Ion Ratio Lower Upper
129 100
127 79.3 39.0 116.9





#61

1,2-Dibromoethane

Concen: 20.037 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

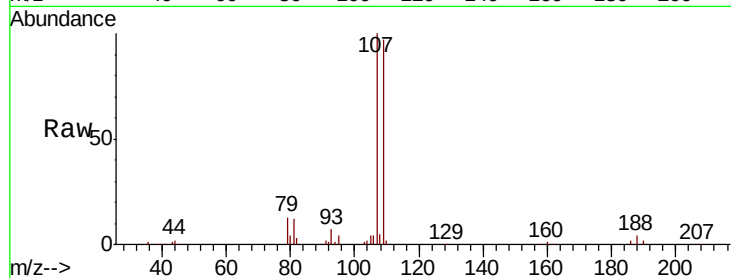
VN0831WBSD01

Tgt Ion: 107 Resp: 113068

Ion Ratio Lower Upper

107 100

109 97.4 73.8 110.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

60000

40000

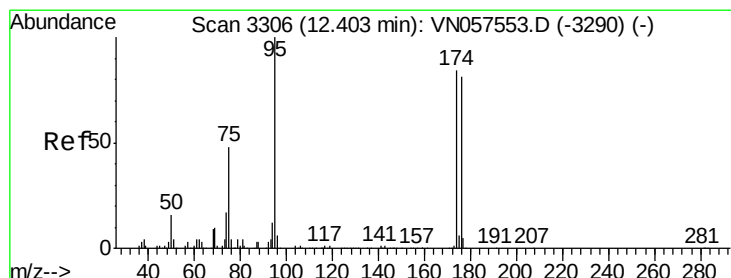
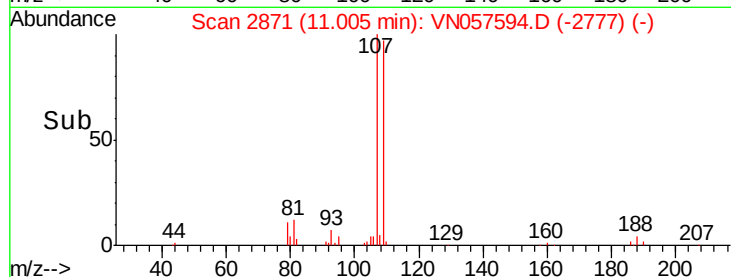
20000

0

11.00

10.95 11.00 11.05 11.10

Time-->



#62

4-Bromofluorobenzene

Concen: 48.227 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

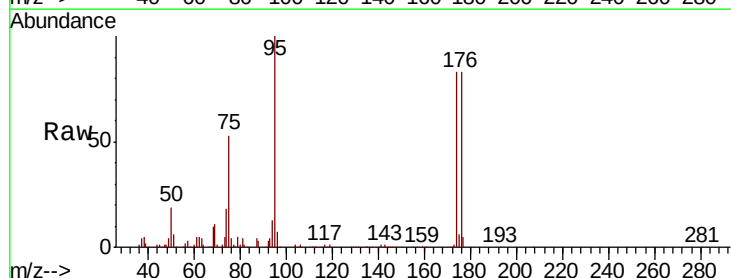
Tgt Ion: 95 Resp: 334353

Ion Ratio Lower Upper

95 100

174 83.8 0.0 133.0

176 80.4 0.0 130.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

100000

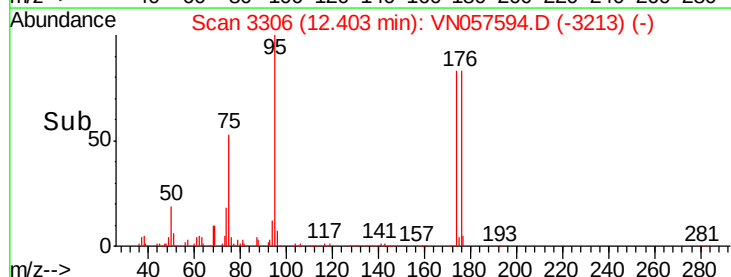
50000

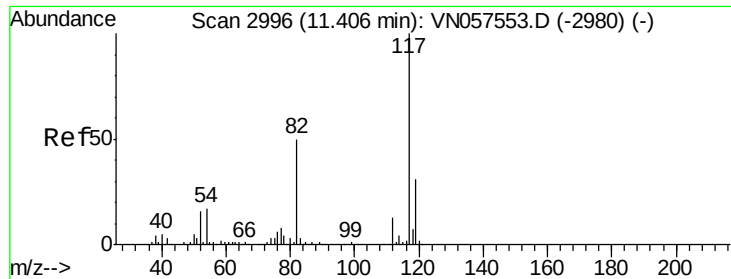
0

12.40

12.50

Time-->

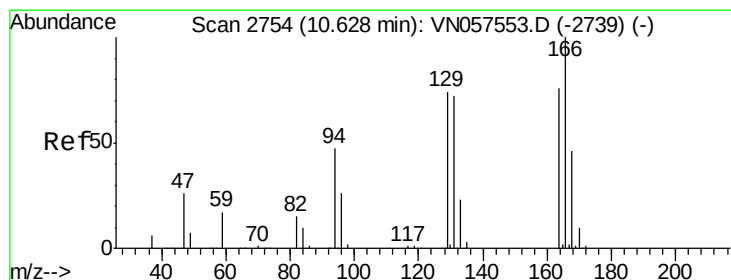
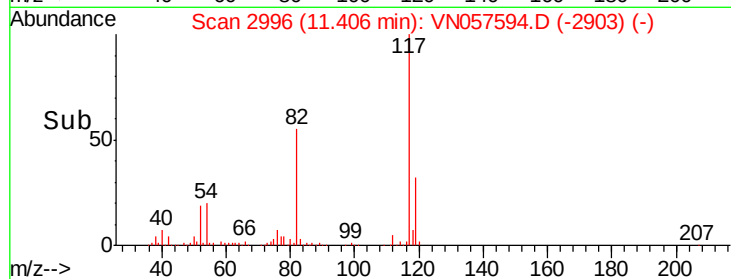
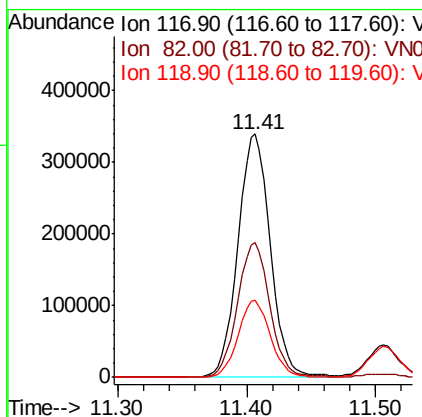
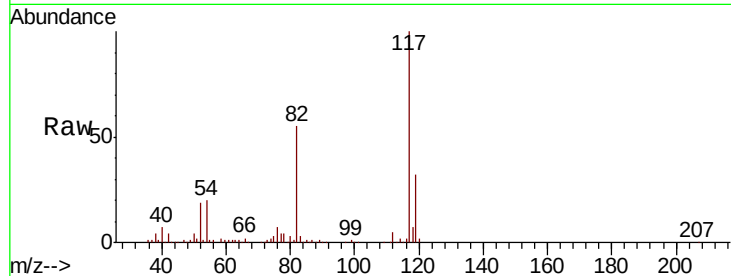




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

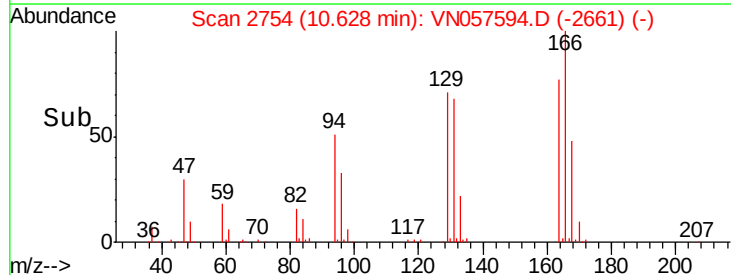
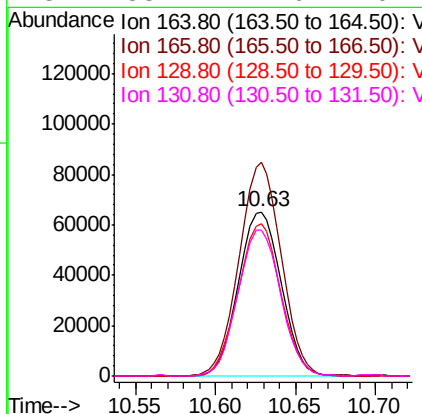
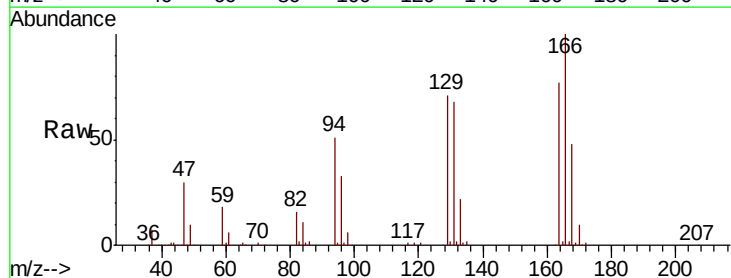
Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

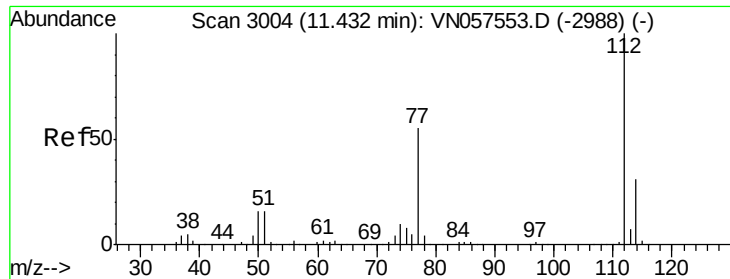
Tgt Ion:117 Resp: 593153
Ion Ratio Lower Upper
117 100
82 55.4 50.6 75.8
119 31.5 24.6 36.8



#64
Tetrachloroethene
Concen: 19.503 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tgt Ion:164 Resp: 118813
Ion Ratio Lower Upper
164 100
166 129.9 104.4 156.6
129 92.8 86.6 130.0
131 88.4 77.6 116.4

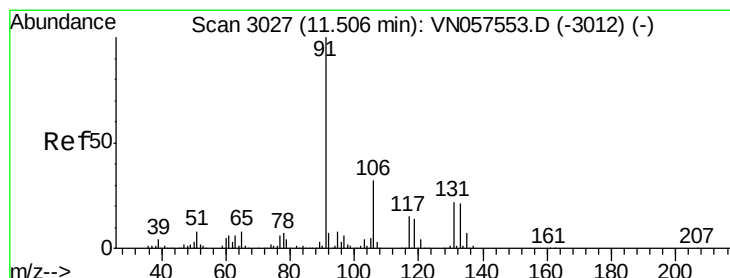
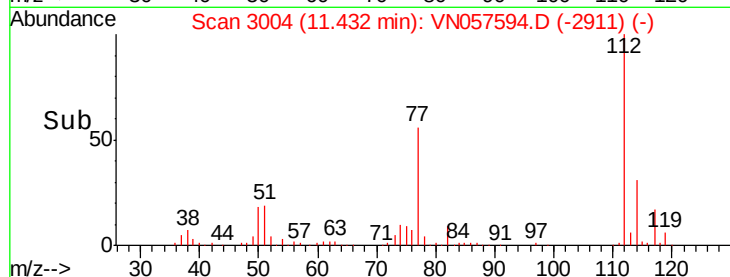
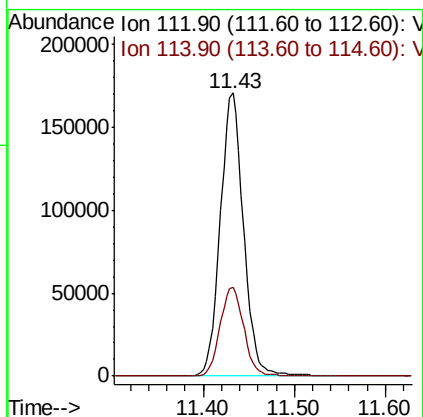
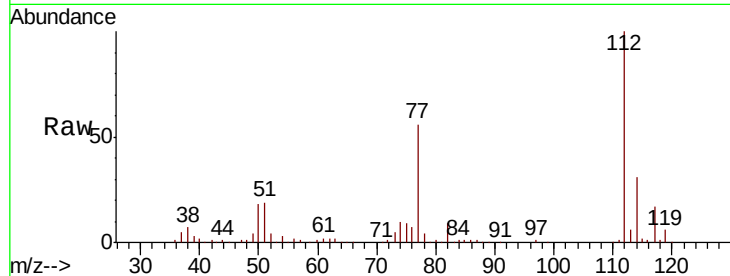




#65
Chlorobenzene
Concen: 20.299 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

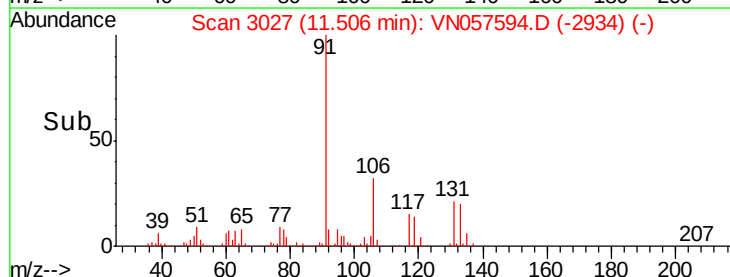
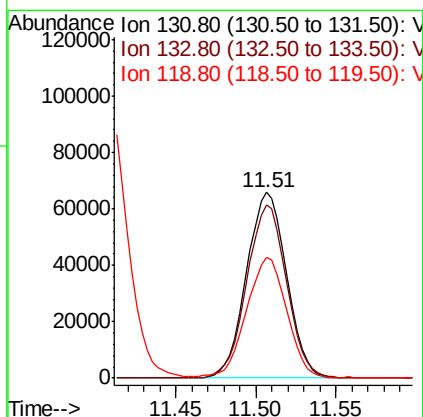
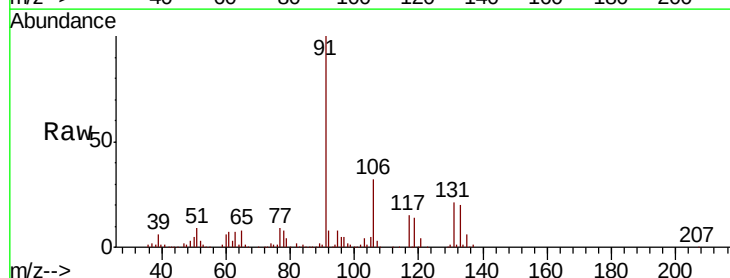
Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

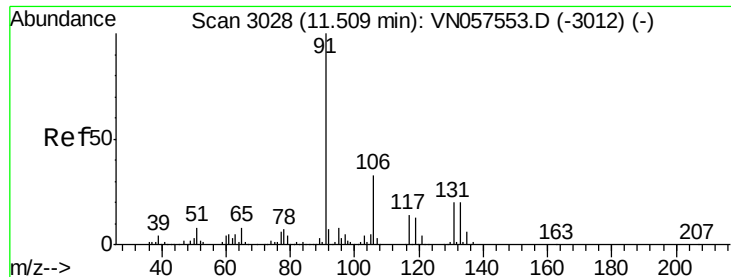
Tgt Ion:112 Resp: 302222
Ion Ratio Lower Upper
112 100
114 31.4 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.284 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tgt Ion:131 Resp: 113226
Ion Ratio Lower Upper
131 100
133 92.7 47.6 142.8
119 64.2 34.4 103.2





#67

Ethyl Benzene

Concen: 20.730 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

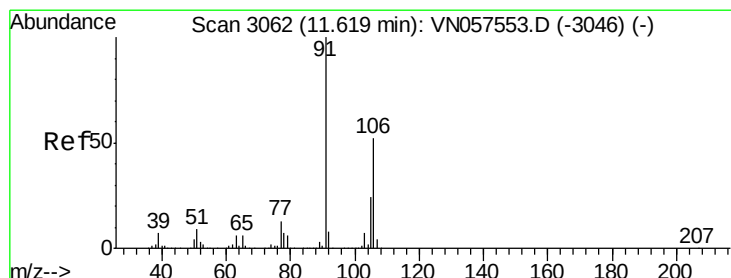
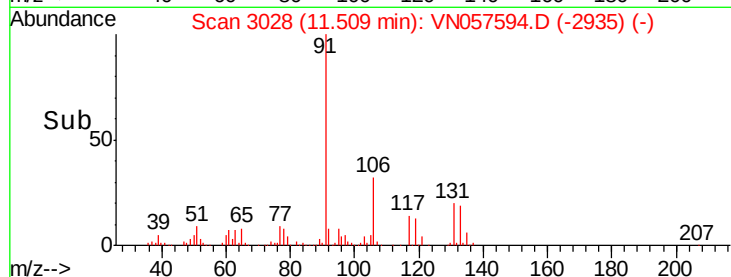
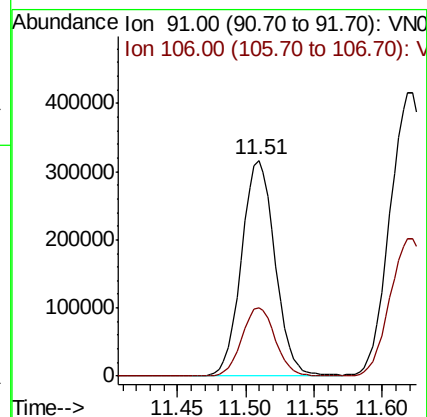
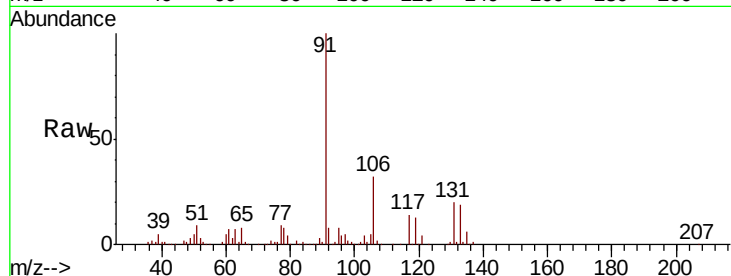
VN0831WBSD01

Tgt Ion: 91 Resp: 541983

Ion Ratio Lower Upper

91 100

106 31.8 24.1 36.1



#68

m/p-Xylenes

Concen: 40.808 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057594.D

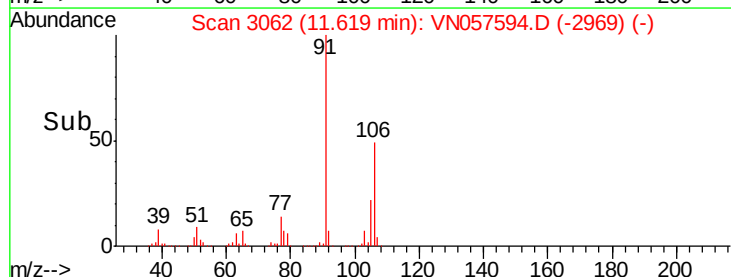
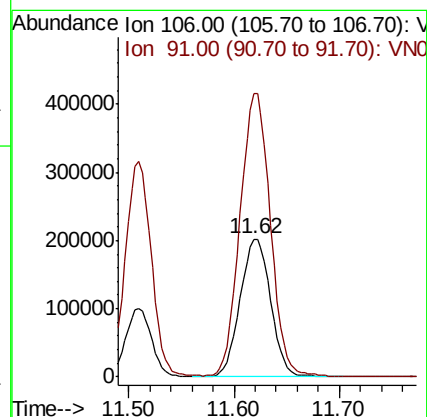
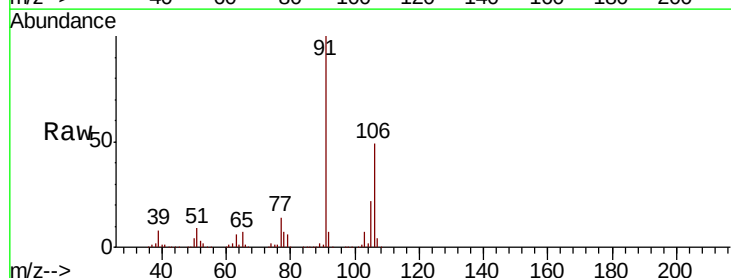
Acq: 30 Aug 2019 17:56

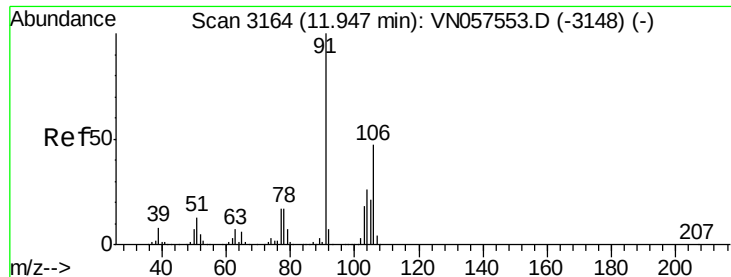
Tgt Ion: 106 Resp: 406355

Ion Ratio Lower Upper

106 100

91 205.2 171.8 257.6

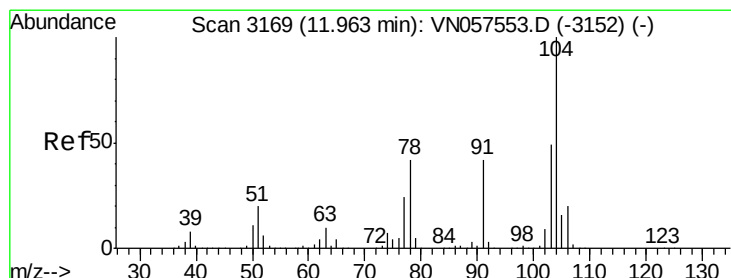
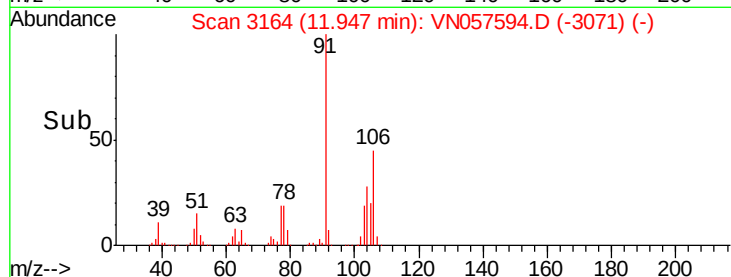
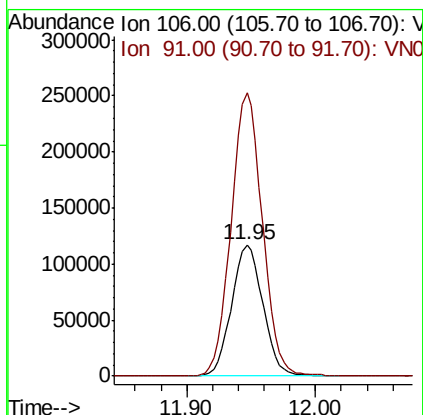
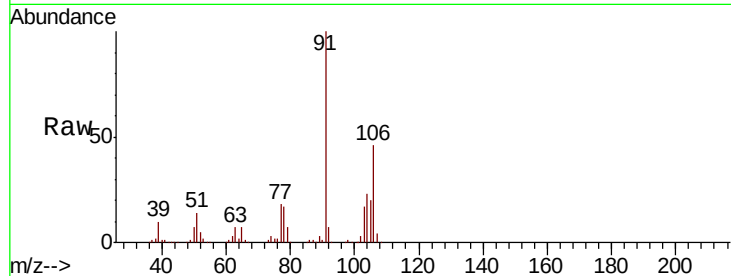




#69
o-Xylene
Concen: 19.789 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

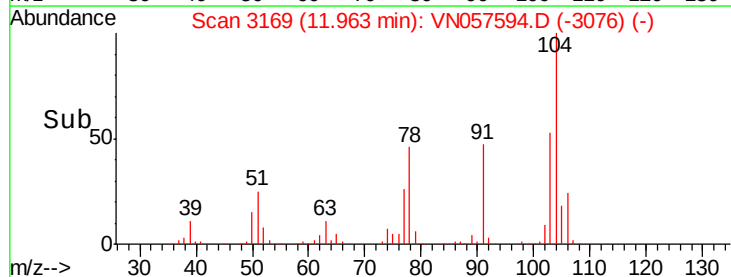
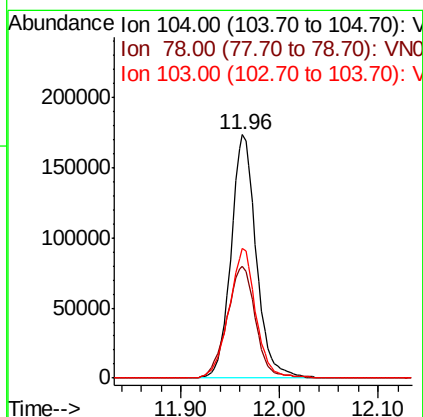
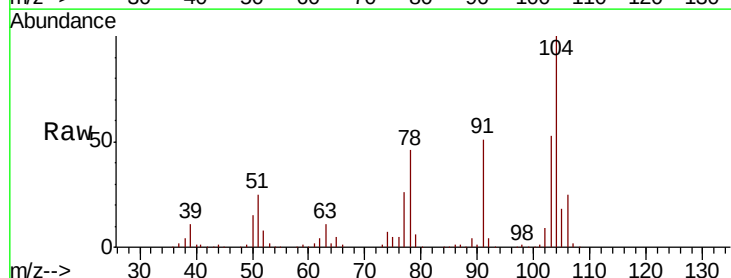
Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

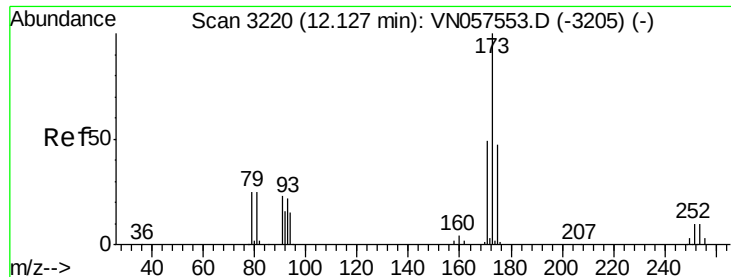
Tgt Ion:106 Resp: 197884
Ion Ratio Lower Upper
106 100
91 215.2 112.3 336.9



#70
Styrene
Concen: 20.511 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tgt Ion:104 Resp: 309589
Ion Ratio Lower Upper
104 100
78 52.2 44.7 67.1
103 56.6 44.4 66.6





#71

Bromoform

Concen: 17.112 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

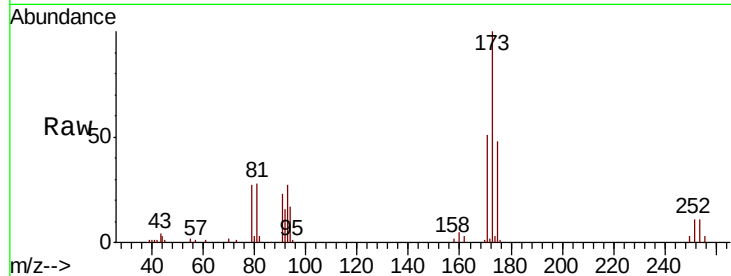
Tgt Ion:173 Resp: 67072

Ion Ratio Lower Upper

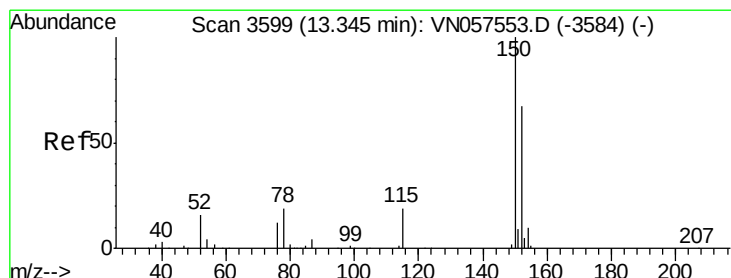
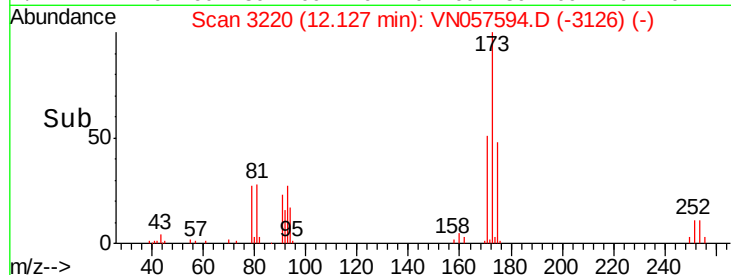
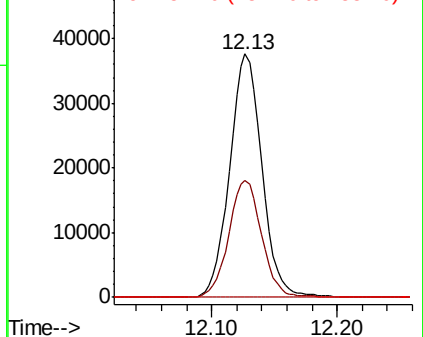
173 100

175 49.0 23.9 71.8

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

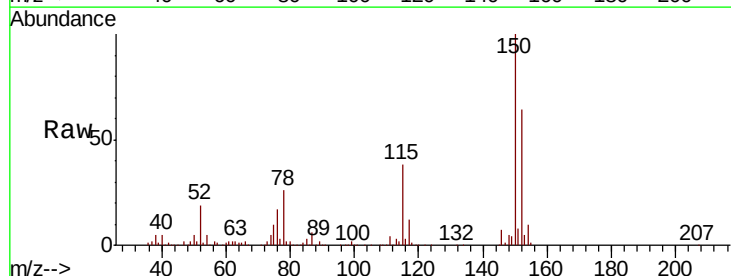
Tgt Ion:152 Resp: 271795

Ion Ratio Lower Upper

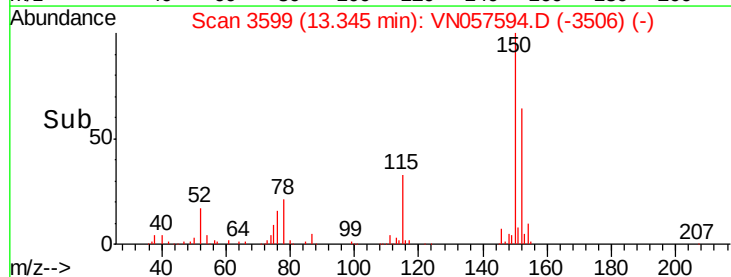
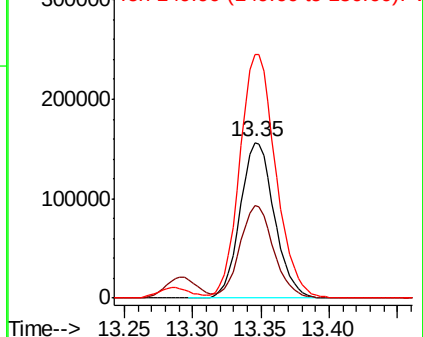
152 100

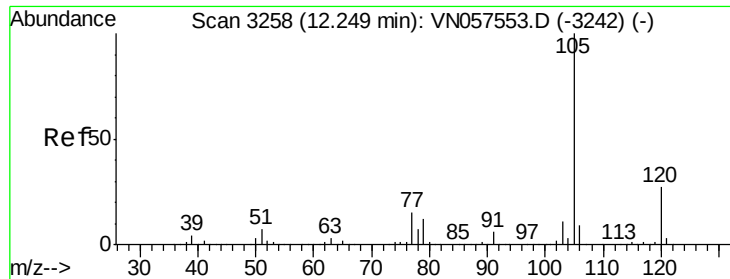
115 58.6 32.0 96.0

150 165.4 0.0 346.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.569 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

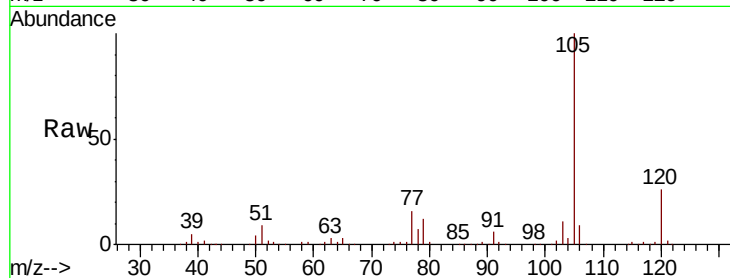
VN0831WBSD01

Tgt Ion:105 Resp: 537028

Ion Ratio Lower Upper

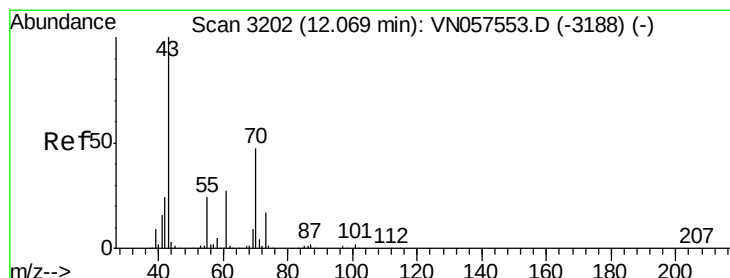
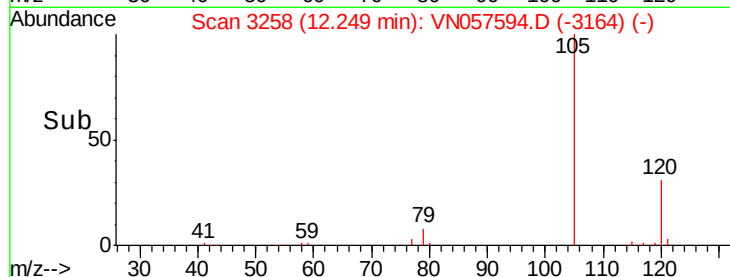
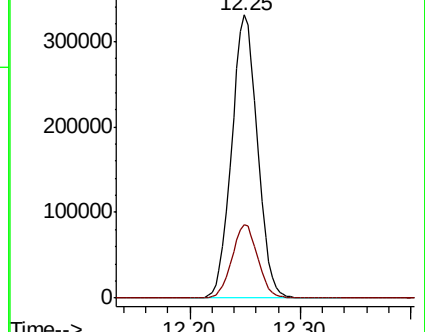
105 100

120 26.0 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.307 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Tgt Ion: 43 Resp: 146429

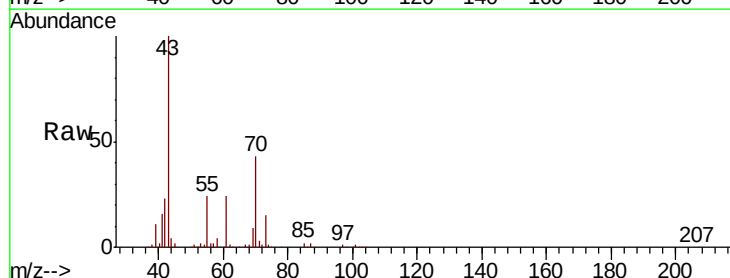
Ion Ratio Lower Upper

43 100

70 44.7 27.8 41.6#

55 24.0 17.0 25.4

61 24.1 17.0 25.6

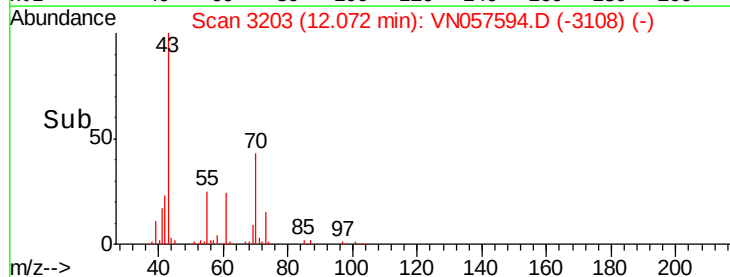
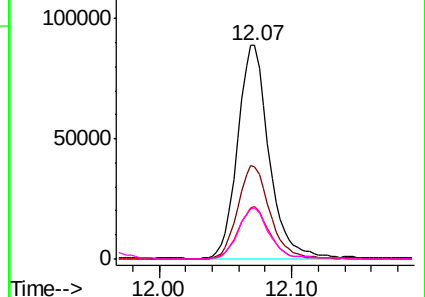


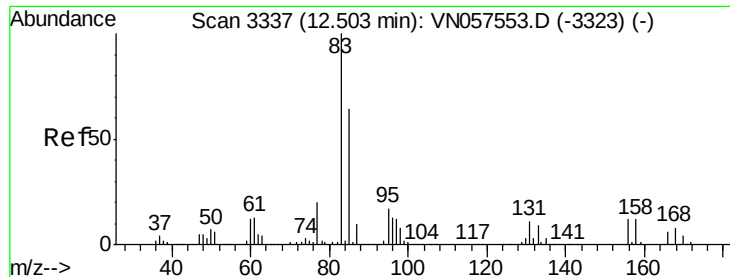
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.426 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

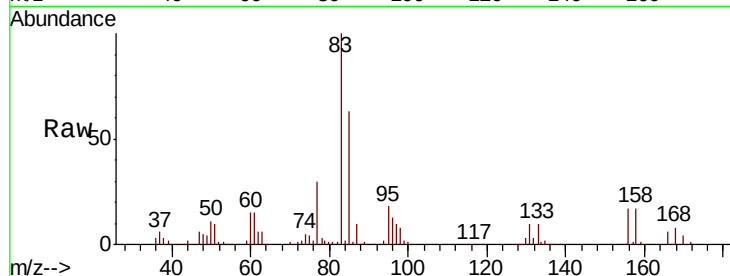
Tgt Ion: 83 Resp: 132429

Ion Ratio Lower Upper

83 100

131 9.9 4.3 13.1

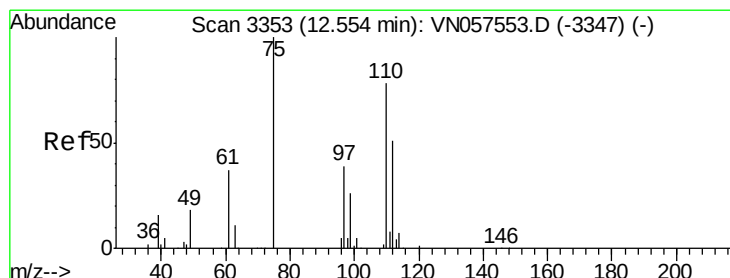
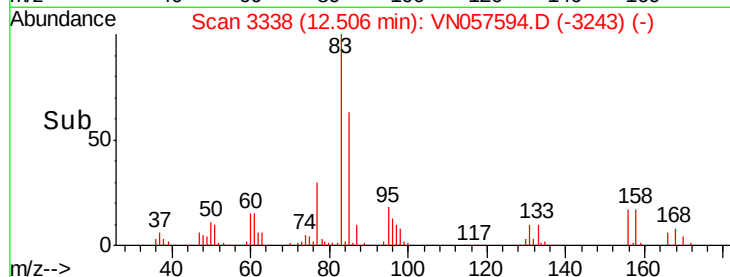
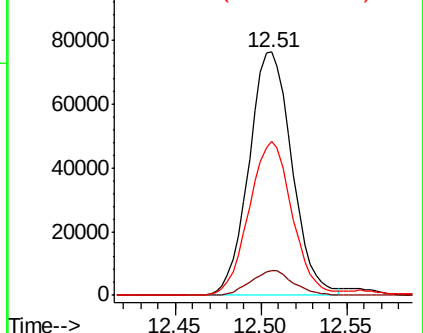
85 63.3 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.480 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057594.D

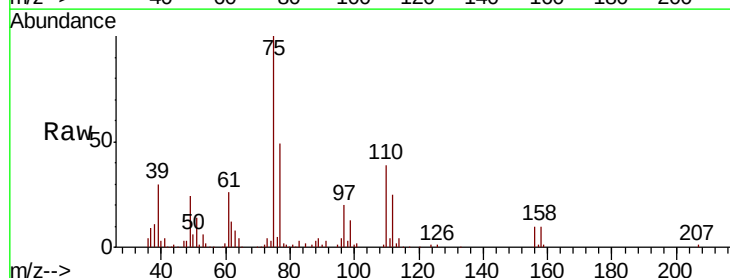
Acq: 30 Aug 2019 17:56

Tgt Ion: 75 Resp: 158806

Ion Ratio Lower Upper

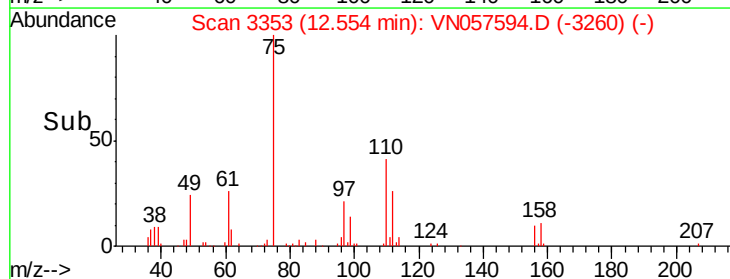
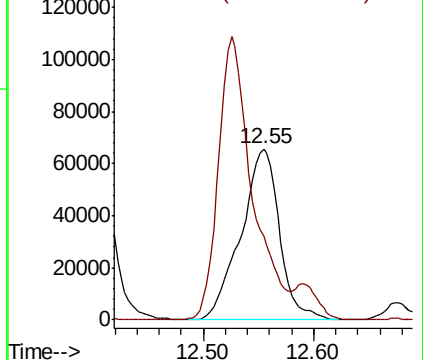
75 100

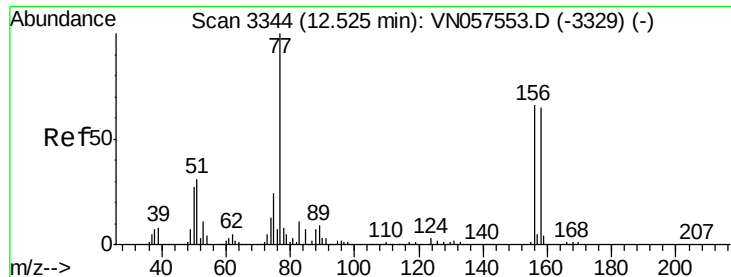
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 17.713 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampled :

VN0831WBSD01

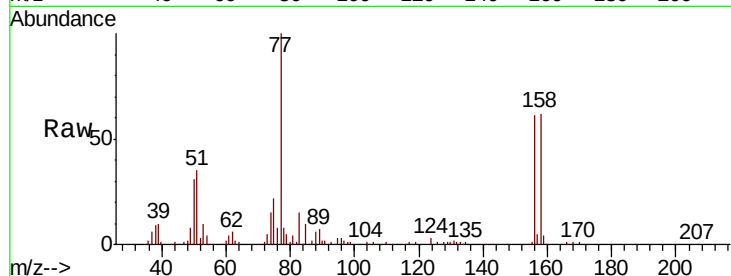
Tgt Ion:156 Resp: 118765

Ion Ratio Lower Upper

156 100

77 194.3 124.4 373.3

158 102.4 48.3 144.8

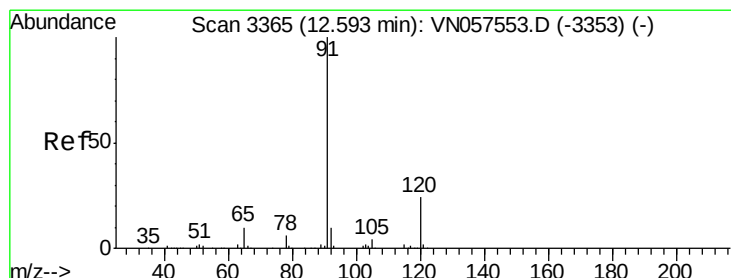
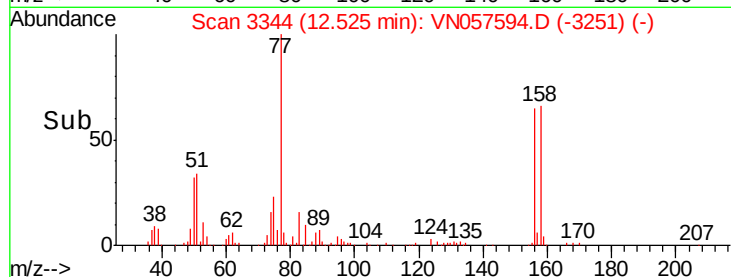
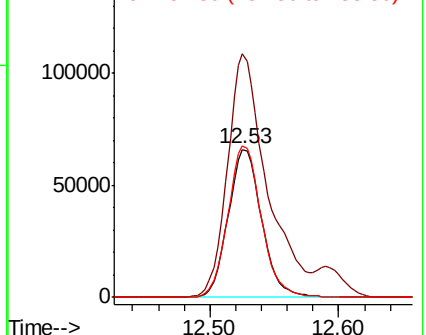


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.367 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057594.D

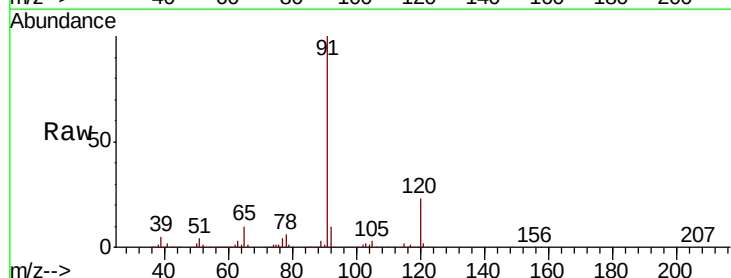
Acq: 30 Aug 2019 17:56

Tgt Ion: 91 Resp: 556469

Ion Ratio Lower Upper

91 100

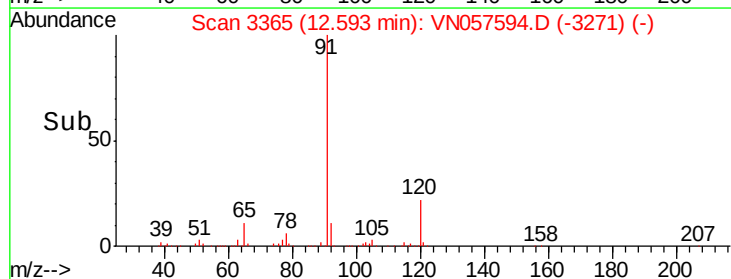
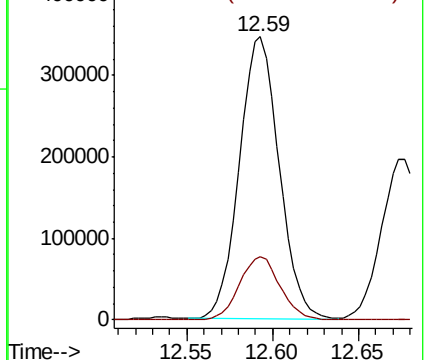
120 22.8 10.7 32.1

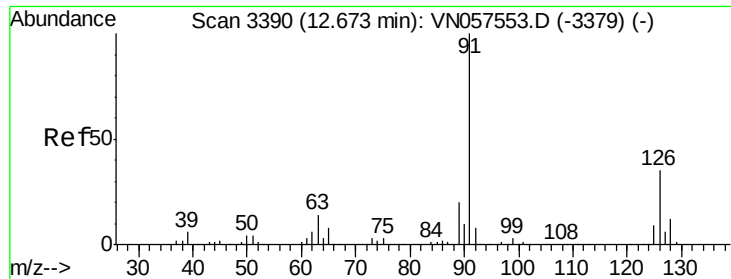


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V

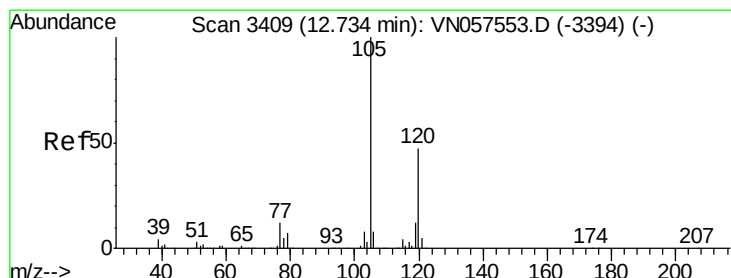
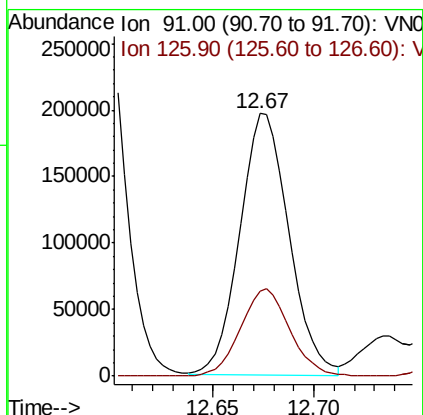
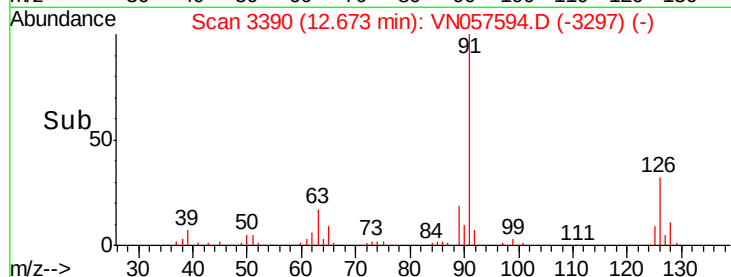
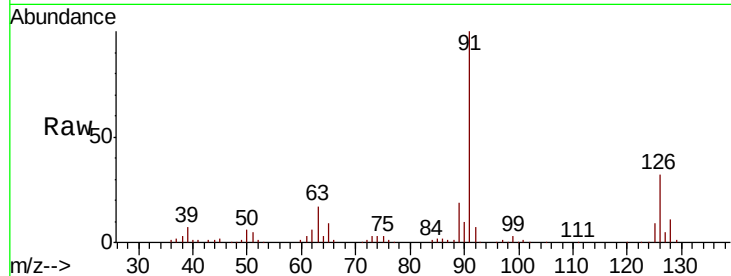




#79
 2-Chlorotoluene
 Concen: 18.773 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

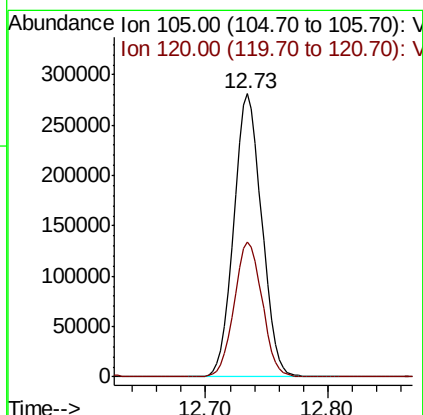
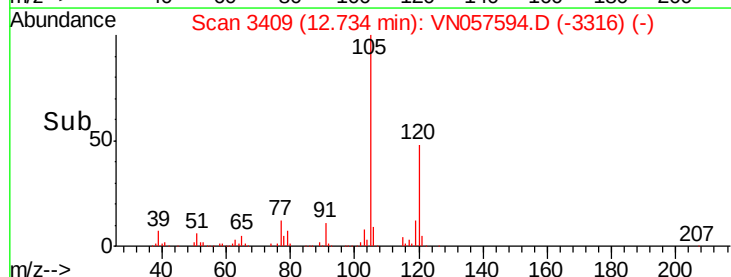
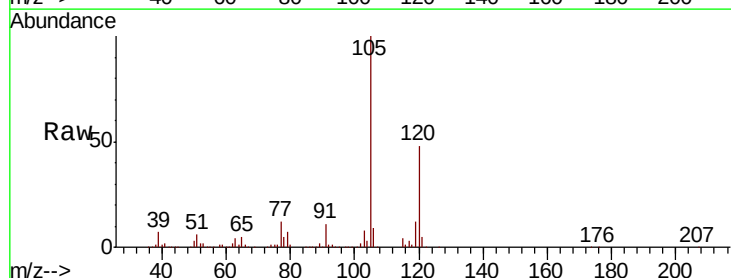
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD01

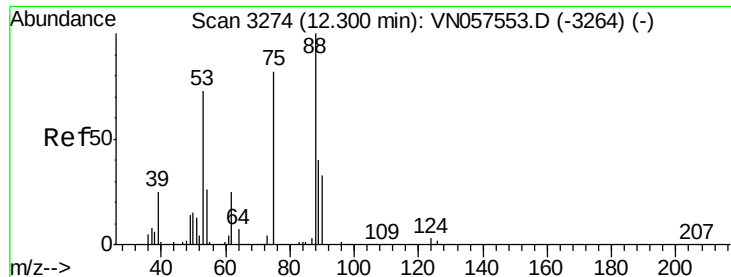
Tgt Ion: 91 Resp: 335984
 Ion Ratio Lower Upper
 91 100
 126 33.6 15.3 45.8



#80
 1,3,5-Trimethylbenzene
 Concen: 19.637 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Tgt Ion: 105 Resp: 446936
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.912 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampled :

VN0831WBSD01

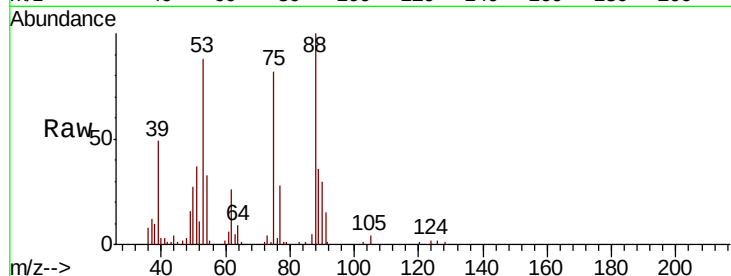
Tgt Ion: 75 Resp: 30570

Ion Ratio Lower Upper

75 100

53 111.3 82.7 124.1

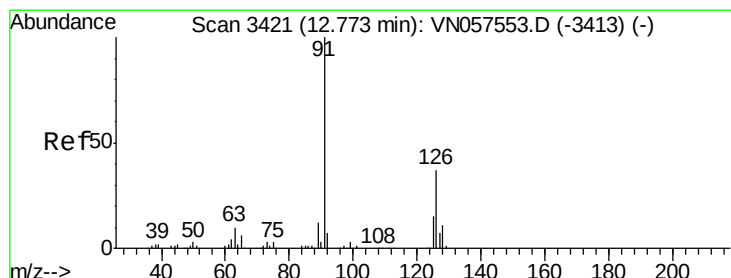
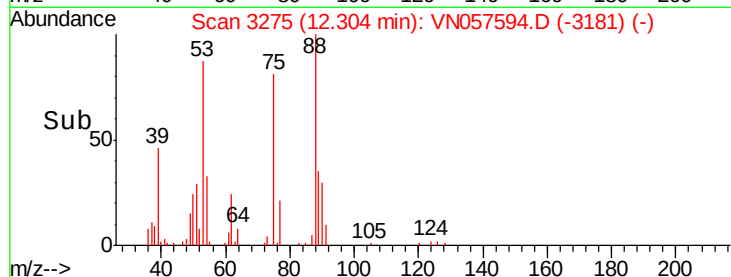
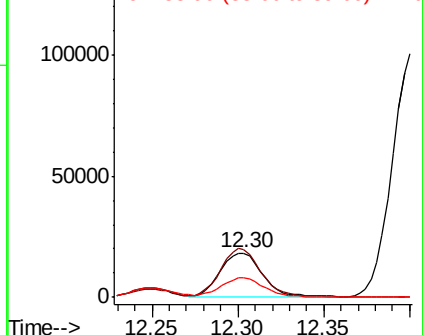
89 47.6 35.8 53.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.700 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057594.D

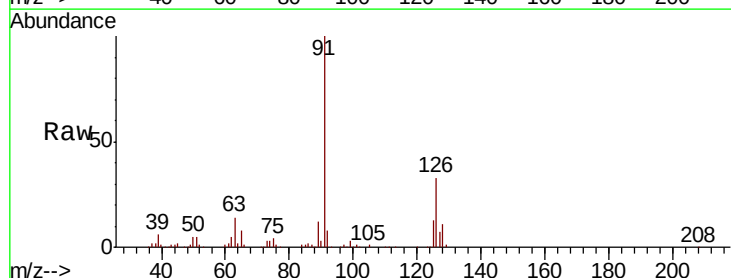
Acq: 30 Aug 2019 17:56

Tgt Ion: 91 Resp: 327120

Ion Ratio Lower Upper

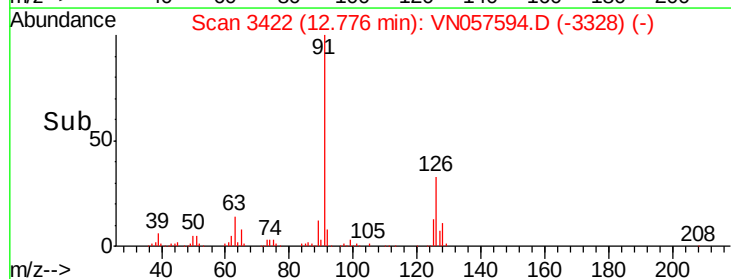
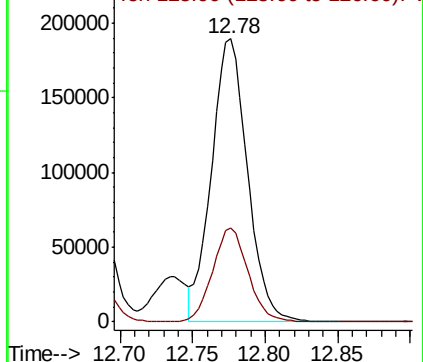
91 100

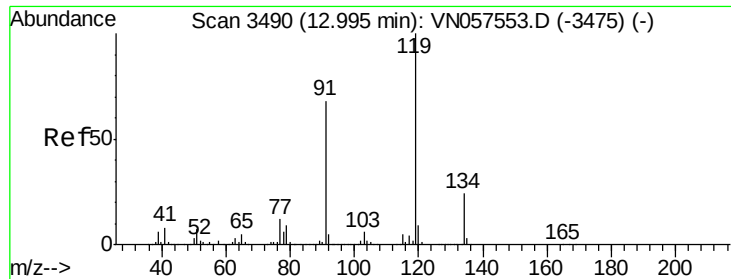
126 32.8 15.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

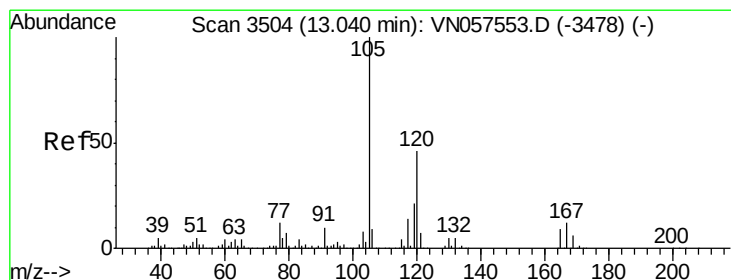
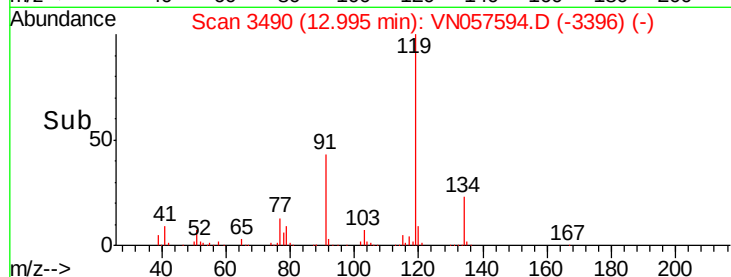
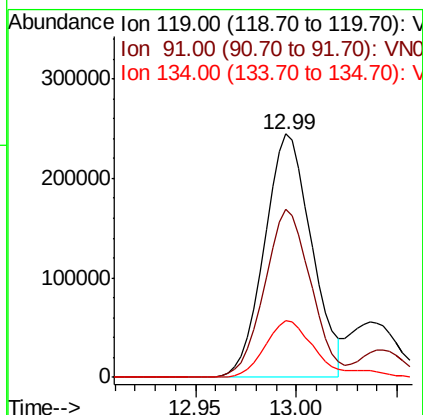
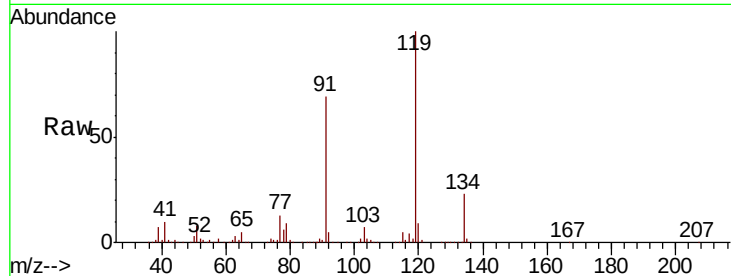




#83
 tert-Butylbenzene
 Concen: 20.948 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

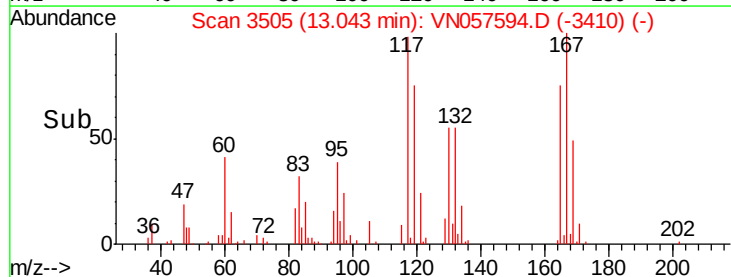
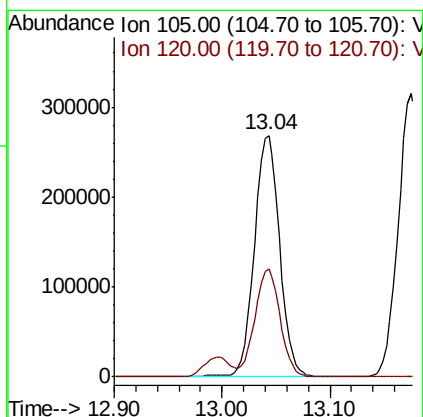
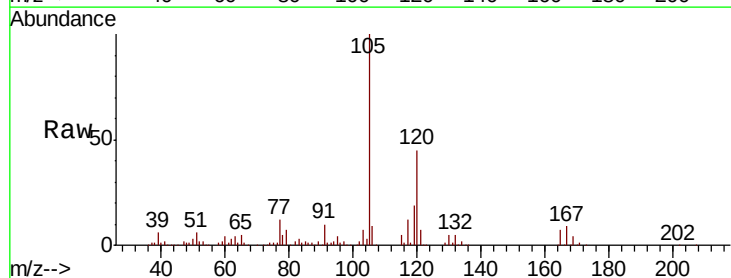
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD01

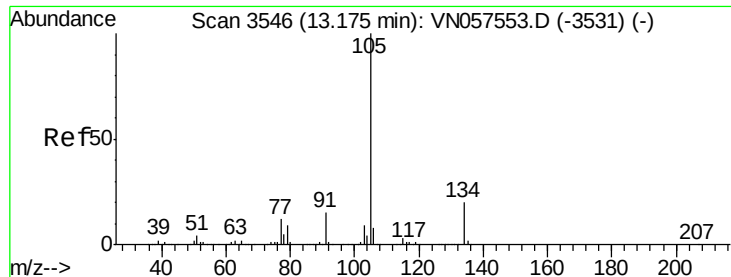
Tgt Ion:119 Resp: 397800
 Ion Ratio Lower Upper
 119 100
 91 67.9 37.0 111.0
 134 23.8 12.2 36.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.935 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Tgt Ion:105 Resp: 435794
 Ion Ratio Lower Upper
 105 100
 120 44.7 21.9 65.7





#85

sec-Butylbenzene

Concen: 19.962 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

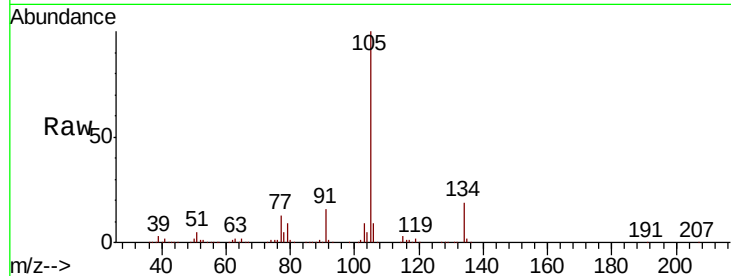
VN0831WBSD01

Tgt Ion:105 Resp: 499377

Ion Ratio Lower Upper

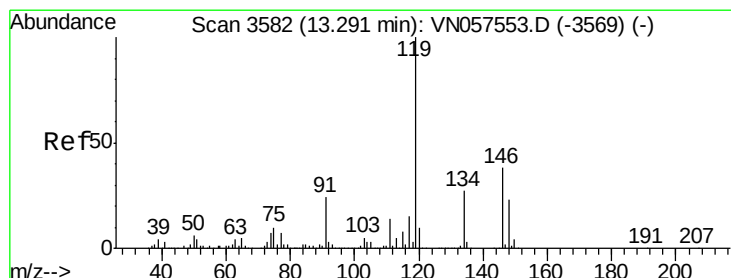
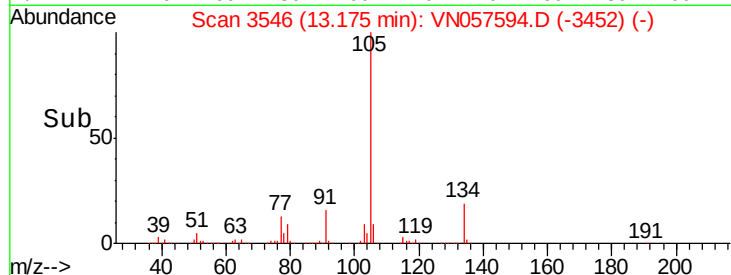
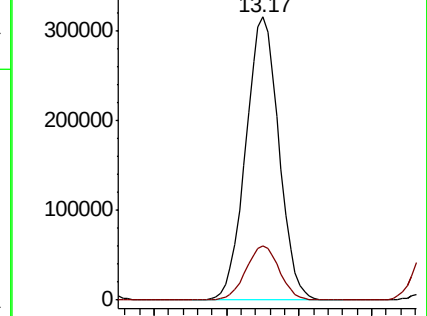
105 100

134 19.5 9.3 27.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.303 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

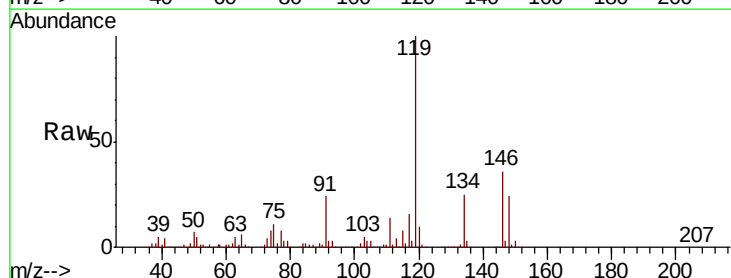
Tgt Ion:119 Resp: 436558

Ion Ratio Lower Upper

119 100

134 25.9 12.7 38.1

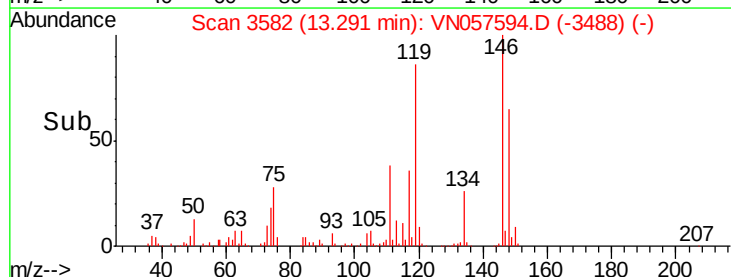
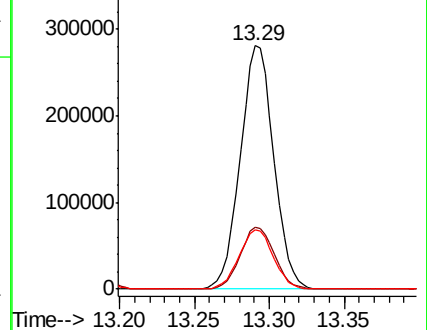
91 25.0 13.9 41.6

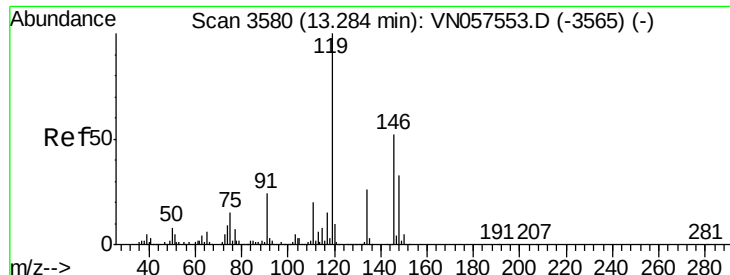


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.511 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampled :

VN0831WBSD01

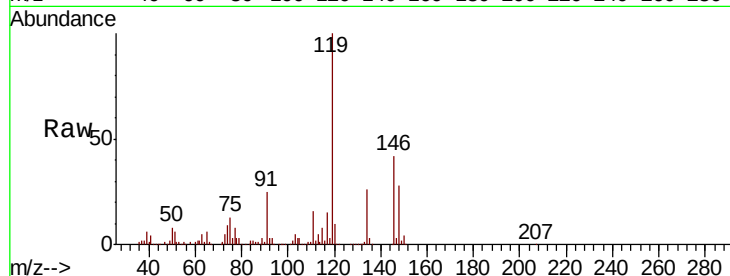
Tgt Ion:146 Resp: 189988

Ion Ratio Lower Upper

146 100

111 40.2 22.1 66.1

148 64.0 31.9 95.9

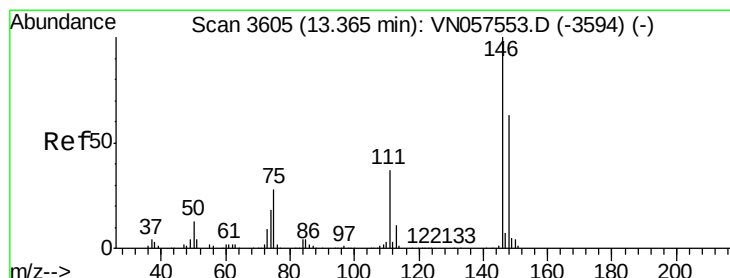
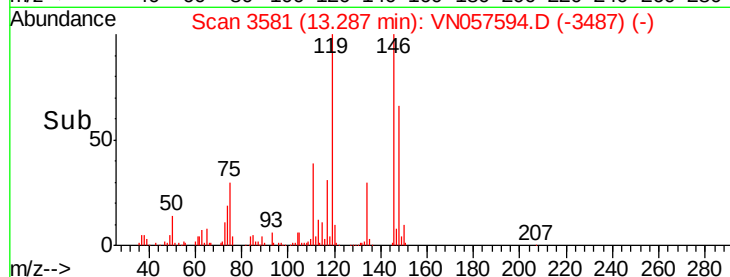
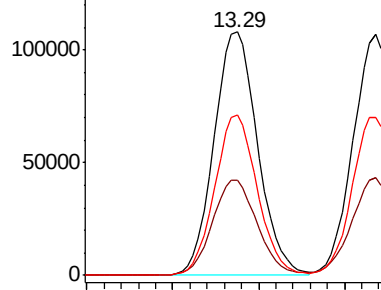


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.754 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

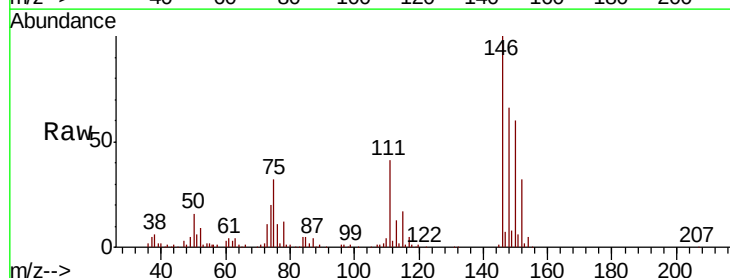
Tgt Ion:146 Resp: 184459

Ion Ratio Lower Upper

146 100

111 40.4 21.9 65.5

148 67.0 31.1 93.2

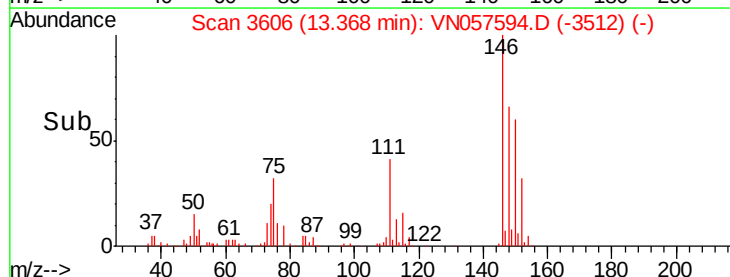
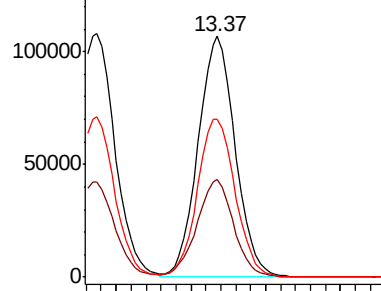


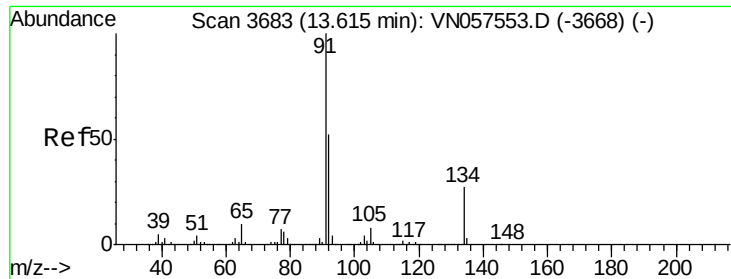
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.799 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

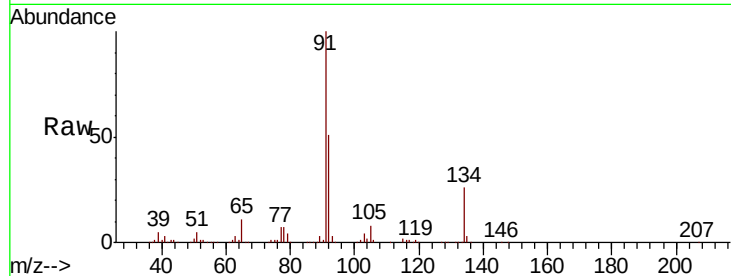
Tgt Ion: 91 Resp: 322500

Ion Ratio Lower Upper

91 100

92 51.0 25.7 77.0

134 26.0 11.4 34.1

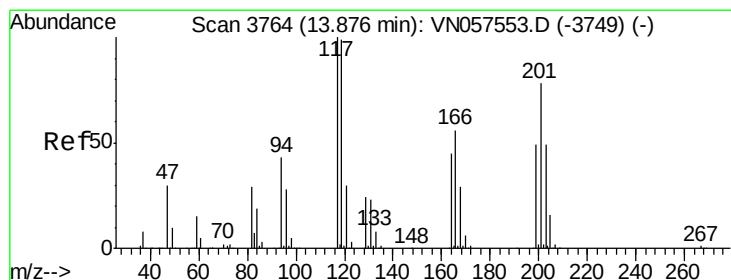
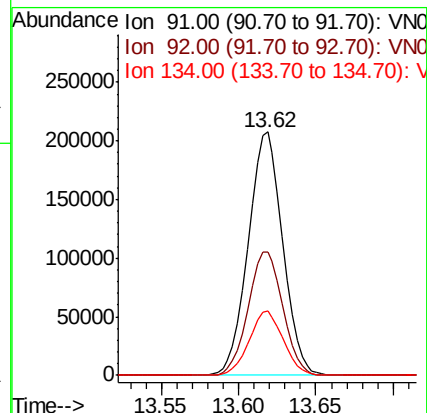
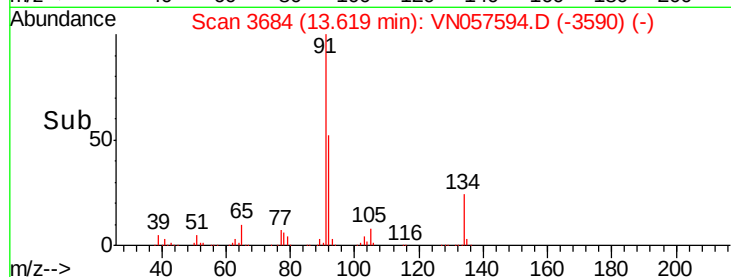


Abundance Ion 91.00 (90.70 to 91.70): VN057553.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN057553.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN057553.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 15.332 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN057594.D

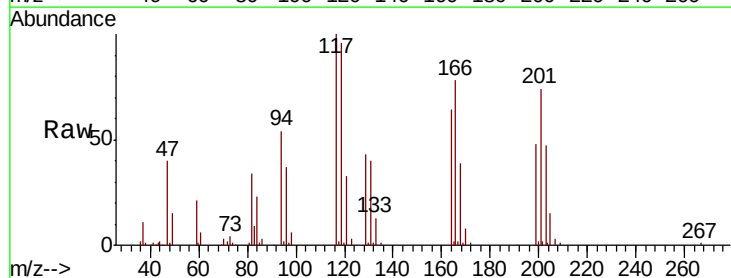
Acq: 30 Aug 2019 17:56

Tgt Ion: 117 Resp: 69376

Ion Ratio Lower Upper

117 100

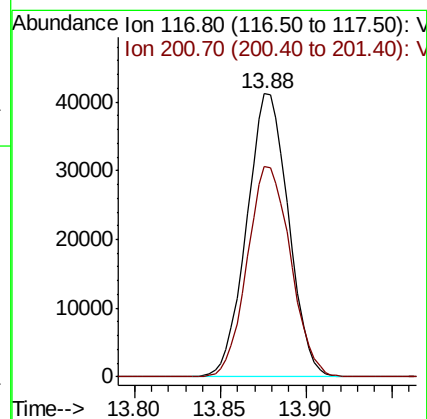
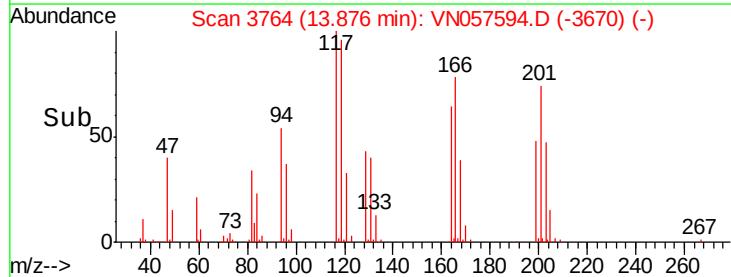
201 76.9 33.1 99.3

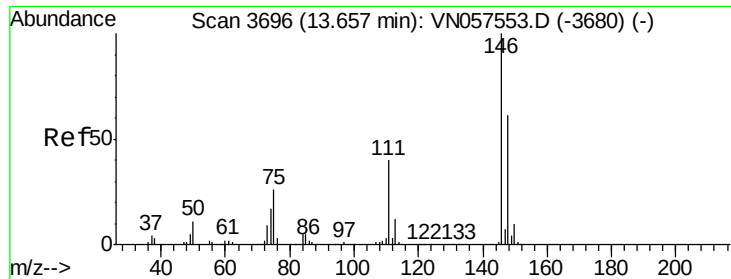


Abundance Ion 116.80 (116.50 to 117.50): VN057553.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN057553.D (-3749) (-)

Time-->

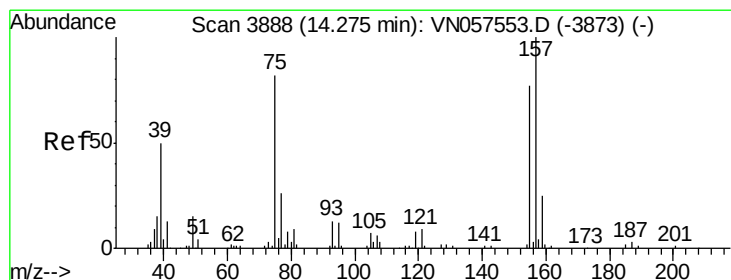
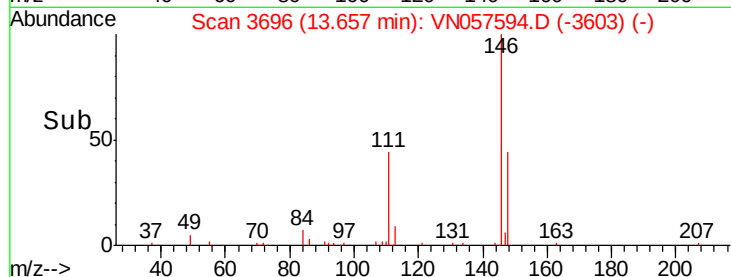
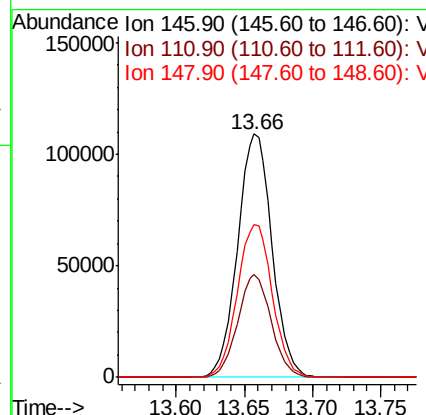
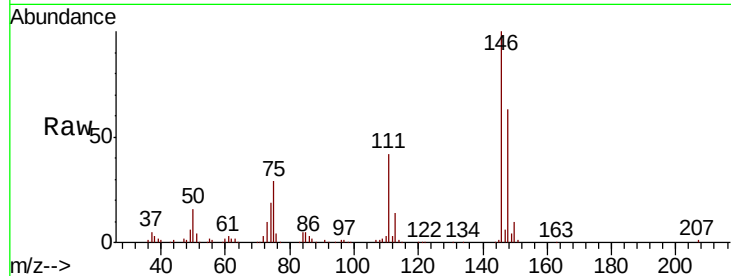




#91
 1,2-Dichlorobenzene
 Concen: 21.006 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

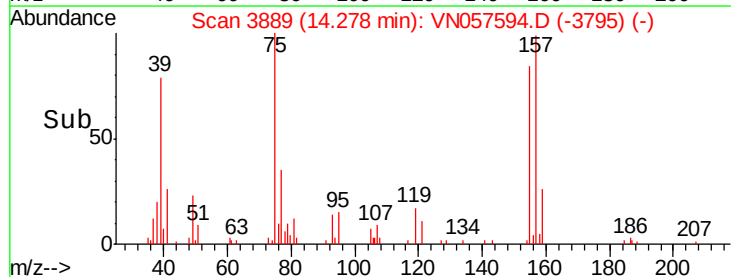
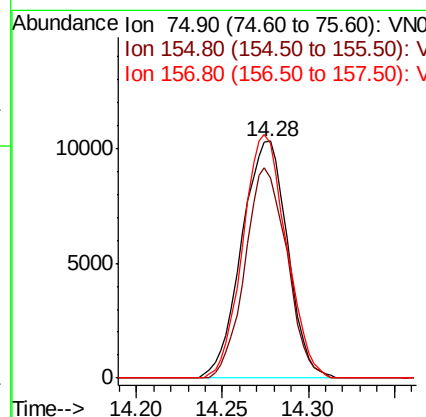
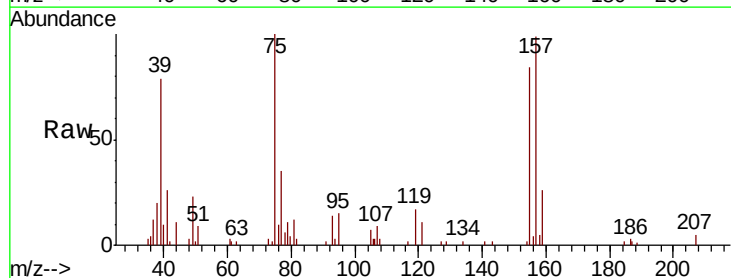
Instrument :
 MSVOA_N
 ClientSampled :
 VN0831WBSD01

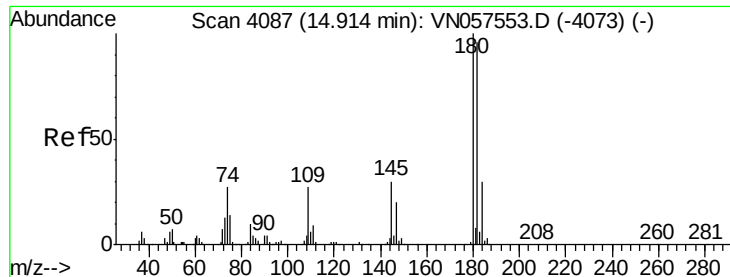
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	23.1	69.2
148	63.9	31.8	95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.728 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.1	31.6	94.7
157	97.7	43.3	129.8

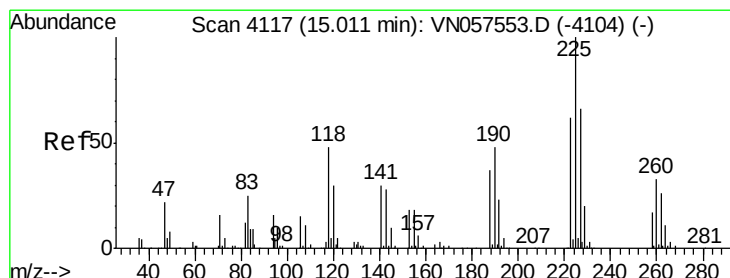
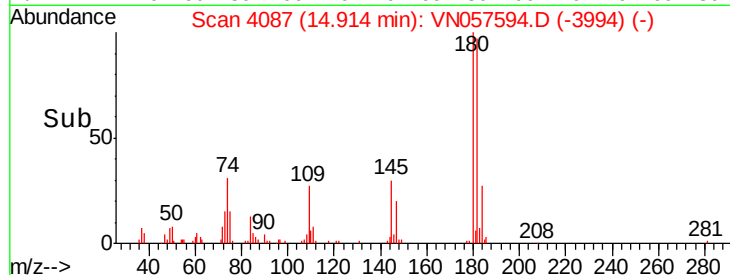
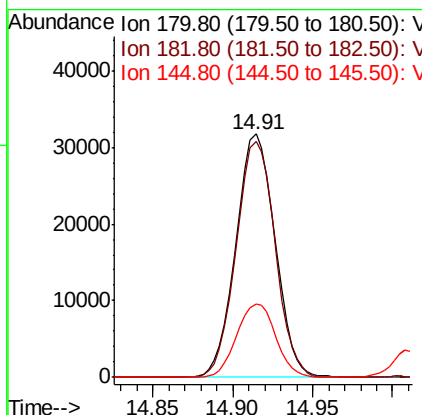
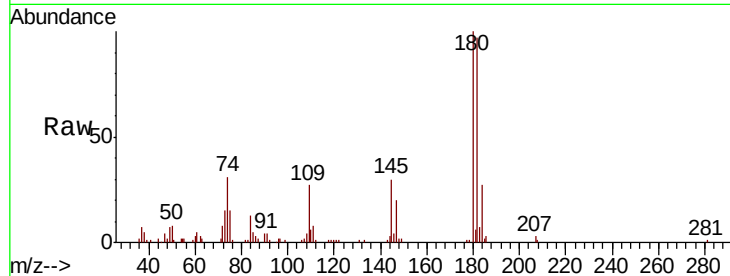




#93
 1,2,4-Trichlorobenzene
 Concen: 16.780 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

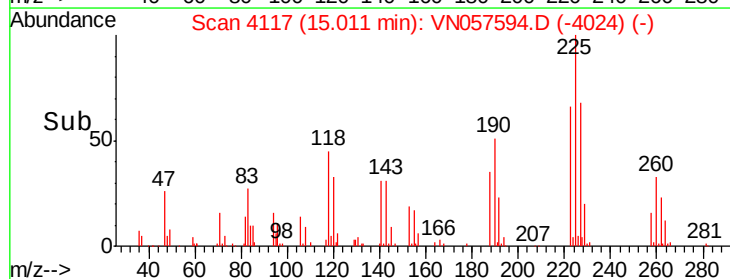
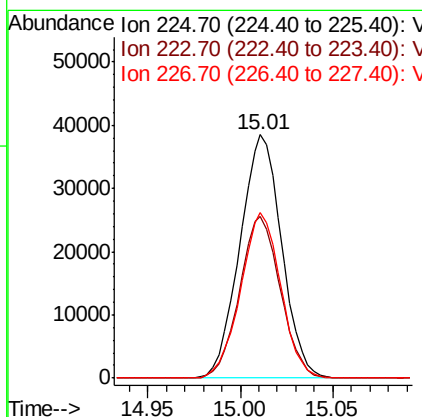
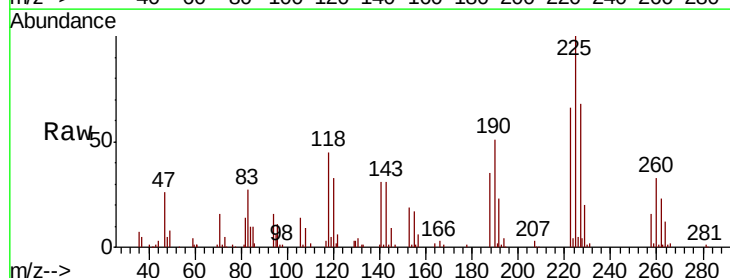
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD01

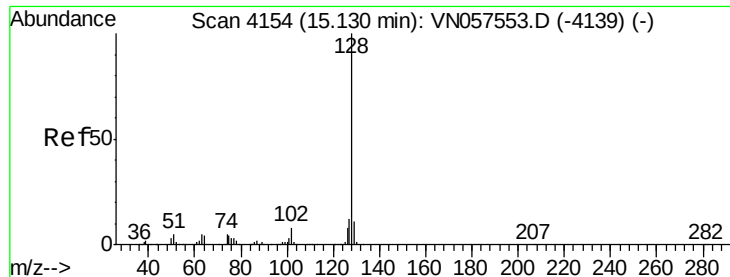
Tgt Ion:180 Resp: 52996
 Ion Ratio Lower Upper
 180 100
 182 96.2 46.7 140.1
 145 29.9 15.6 46.8



#94
 Hexachlorobutadiene
 Concen: 20.104 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Tgt Ion:225 Resp: 60217
 Ion Ratio Lower Upper
 225 100
 223 64.9 32.0 96.2
 227 65.2 31.5 94.5





#95

Naphthalene

Concen: 17.359 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

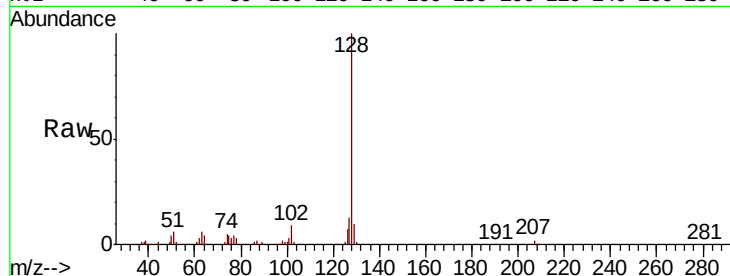
Tgt Ion:128 Resp: 156108

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

129 10.3 8.6 13.0

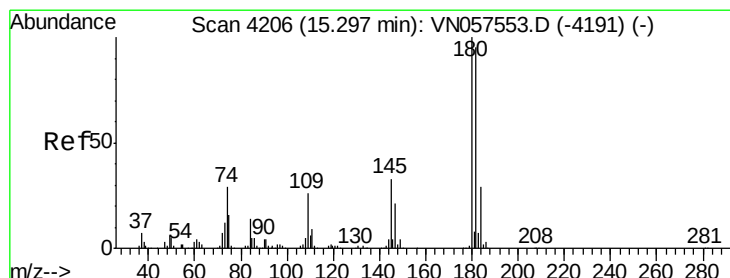
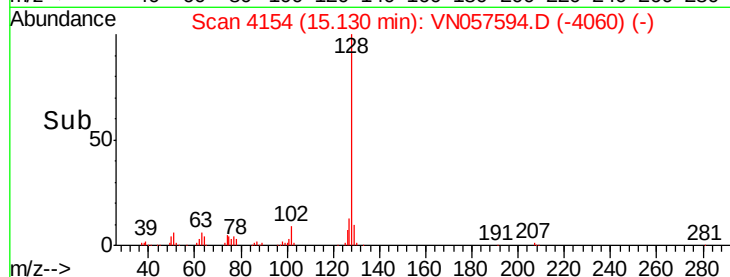
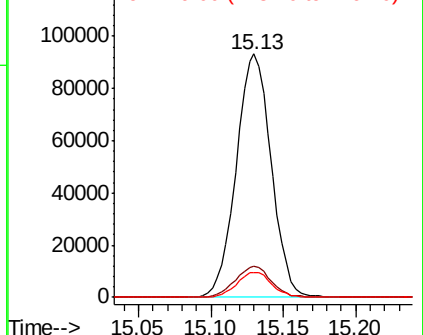


Abundance

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



#96

1,2,3-Trichlorobenzene

Concen: 16.871 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

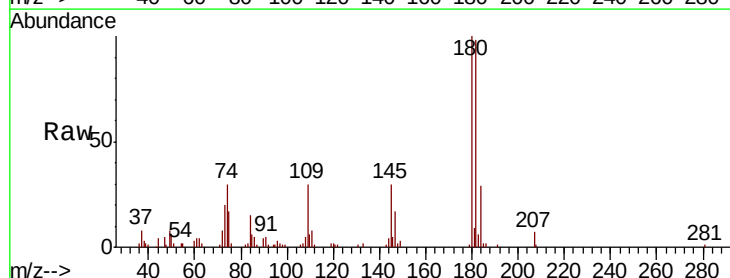
Tgt Ion:180 Resp: 51821

Ion Ratio Lower Upper

180 100

182 97.1 46.7 140.1

145 32.0 16.8 50.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

