

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020420\
 Data File : VN059991.D
 Acq On : 4 Feb 2020 13:49
 Operator : JC/MD
 Sample : VN0204MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBSD01

Quant Time: Feb 05 01:21:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	203720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	323903	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	295252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140777	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	119904	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
35) Dibromofluoromethane	7.56	113	96992	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
50) Toluene-d8	10.08	98	360267	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
62) 4-Bromofluorobenzene	12.40	95	134050	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	42308	17.272	ug/l	98
3) Chloromethane	2.04	50	43916	18.829	ug/l	100
4) Vinyl Chloride	2.17	62	54406	20.388	ug/l	96
5) Bromomethane	2.55	94	33045	20.291	ug/l	98
6) Chloroethane	2.69	64	26065	20.645	ug/l	96
7) Trichlorofluoromethane	3.00	101	65617	20.474	ug/l	98
8) Diethyl Ether	3.39	74	24077	21.407	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.74	101	38258	21.449	ug/l	95
10) Methyl Iodide	3.93	142	48642	16.871	ug/l	96
11) Tert butyl alcohol	4.73	59	41933	110.102	ug/l	98
12) 1,1-Dichloroethene	3.72	96	36446	19.554	ug/l	92
13) Acrolein	3.58	56	15181	56.309	ug/l	97
14) Allyl chloride	4.30	41	53098	21.136	ug/l #	86
15) Acrylonitrile	4.95	53	95776	110.244	ug/l	100
16) Acetone	3.78	43	94898	117.686	ug/l	97
17) Carbon Disulfide	4.03	76	85628	16.128	ug/l	99
18) Methyl Acetate	4.29	43	60422	22.865	ug/l	94
19) Methyl tert-butyl Ether	5.01	73	131594	21.655	ug/l	97
20) Methylene Chloride	4.53	84	42600	20.037	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	38194	19.278	ug/l	89
22) Diisopropyl ether	5.92	45	122328	21.487	ug/l	94
23) Vinyl Acetate	5.86	43	471430	106.952	ug/l	95
24) 1,1-Dichloroethane	5.82	63	72846	20.941	ug/l	97
25) 2-Butanone	6.80	43	131025	102.270	ug/l	95
26) 2,2-Dichloropropane	6.80	77	68006	20.335	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	46410	20.366	ug/l	92
28) Bromochloromethane	7.17	49	27701	19.924	ug/l #	77
29) Tetrahydrofuran	7.18	42	83086	104.817	ug/l	89
30) Chloroform	7.35	83	77191	21.416	ug/l	96
31) Cyclohexane	7.63	56	62719	18.737	ug/l #	86
32) 1,1,1-Trichloroethane	7.55	97	69123	20.742	ug/l	96
36) 1,1-Dichloropropene	7.77	75	54236	19.228	ug/l	97
37) Ethyl Acetate	6.90	43	54390	20.559	ug/l	98
38) Carbon Tetrachloride	7.75	117	60493	19.715	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	62547	17.984	ug/l	93
40) Benzene	8.02	78	162040	19.262	ug/l	99
41) Methacrylonitrile	7.18	41	78145	59.970	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	59783	20.960	ug/l	98
43) Isopropyl Acetate	8.14	43	91979	20.213	ug/l	94
44) Trichloroethene	8.82	130	45487	19.807	ug/l	95
45) 1,2-Dichloropropane	9.10	63	42468	20.401	ug/l	99
46) Dibromomethane	9.19	93	29905	20.366	ug/l	93
47) Bromodichloromethane	9.39	83	60333	20.389	ug/l	97
48) Methyl methacrylate	9.18	41	39320	19.318	ug/l	90
49) 1,4-Dioxane	9.18	88	15343	411.773	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	272149	103.460	ug/l	96
52) Toluene	10.14	92	103646	19.506	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	67098	20.308	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	71677	20.618	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	43675	20.753	ug/l	95
56) Ethyl methacrylate	10.42	69	62286	19.370	ug/l	93
57) 1,3-Dichloropropane	10.70	76	68662	20.551	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	101664	104.964	ug/l	93
59) 2-Hexanone	10.74	43	200112	103.264	ug/l	96
60) Dibromochloromethane	10.89	129	48304	20.156	ug/l	99
61) 1,2-Dibromoethane	11.00	107	44712	20.271	ug/l	99
64) Tetrachloroethene	10.62	164	46111	19.162	ug/l	94
65) Chlorobenzene	11.43	112	114881	19.796	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	45850	20.447	ug/l	98
67) Ethyl Benzene	11.51	91	204915	19.451	ug/l	96
68) m/p-Xylenes	11.62	106	153217	38.502	ug/l	96
69) o-Xylene	11.94	106	75395	19.352	ug/l	96
70) Styrene	11.96	104	120697	18.514	ug/l	97
71) Bromoform	12.12	173	35940	20.009	ug/l #	98
73) Isopropylbenzene	12.25	105	203889	19.748	ug/l	100
74) N-amyl acetate	12.07	43	77283	19.291	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	60416	20.185	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	83420	35.211	ug/l #	100
77) Bromobenzene	12.52	156	56280	21.526	ug/l	76
78) n-propylbenzene	12.59	91	229588	19.812	ug/l	98
79) 2-Chlorotoluene	12.67	91	135683	19.682	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	167154	19.251	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	21099	19.125	ug/l	99
82) 4-Chlorotoluene	12.77	91	138572	20.040	ug/l	96
83) tert-Butylbenzene	12.99	119	150198	20.001	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	167510	19.500	ug/l	98
85) sec-Butylbenzene	13.17	105	193703	19.632	ug/l	99
86) p-Isopropyltoluene	13.28	119	175949	19.273	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	89421	19.689	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	89951	19.853	ug/l	99
89) n-Butylbenzene	13.61	91	152992	19.654	ug/l	98
90) Hexachloroethane	13.87	117	32539	19.050	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	88560	19.724	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13861	20.337	ug/l	92

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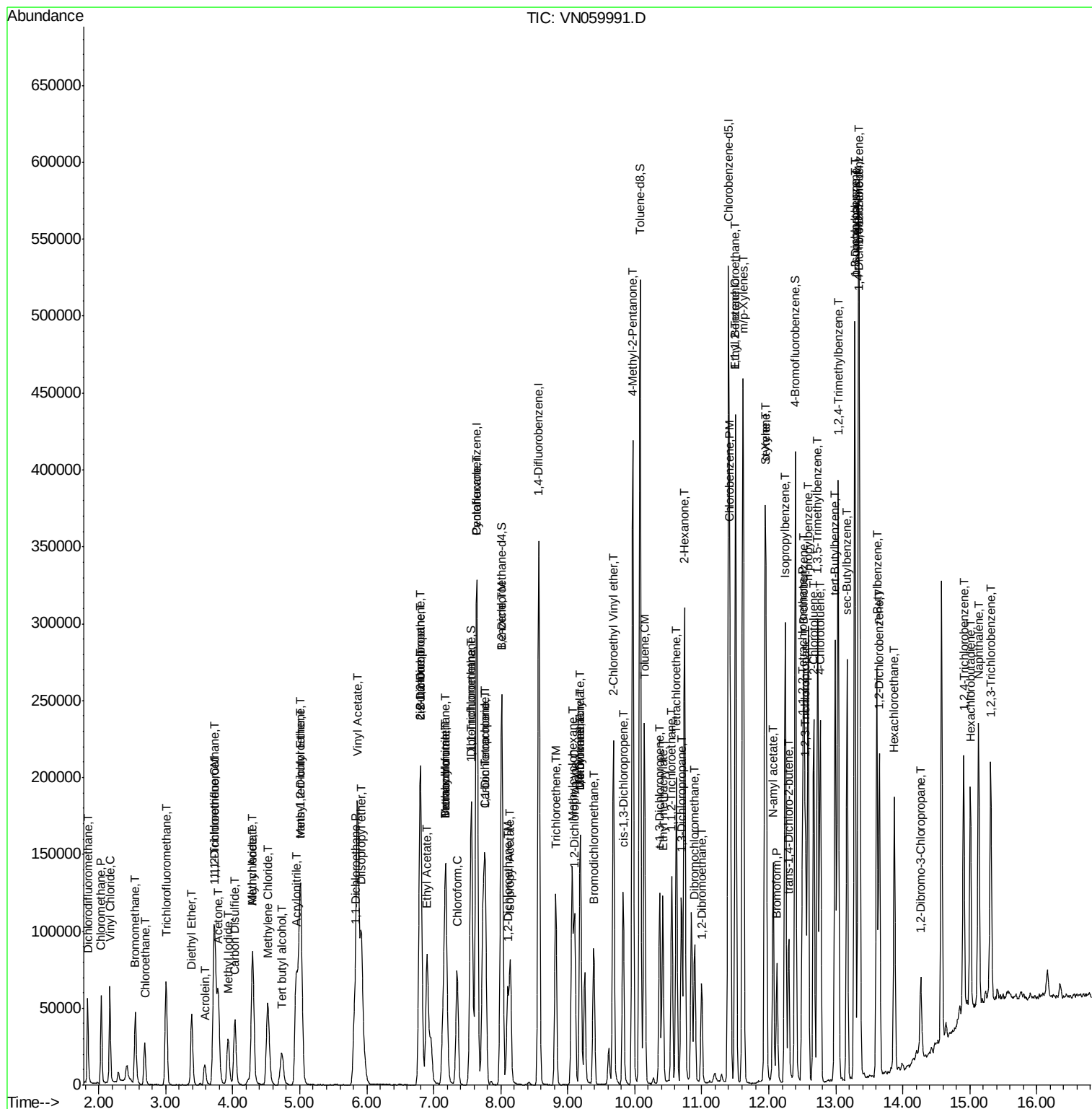
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	54000	20.016	ug/l	97
94) Hexachlorobutadiene	15.01	225	28214	18.977	ug/l	98
95) Naphthalene	15.13	128	156192	20.354	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	53347	20.315	ug/l	99

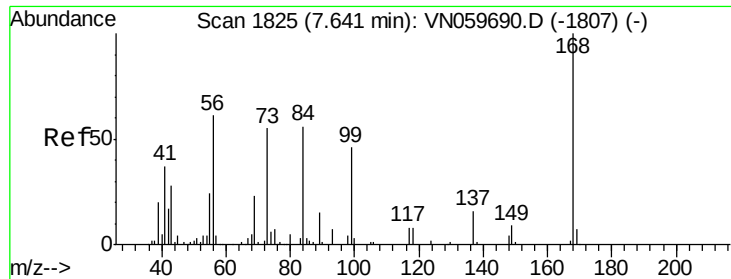
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN020420\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

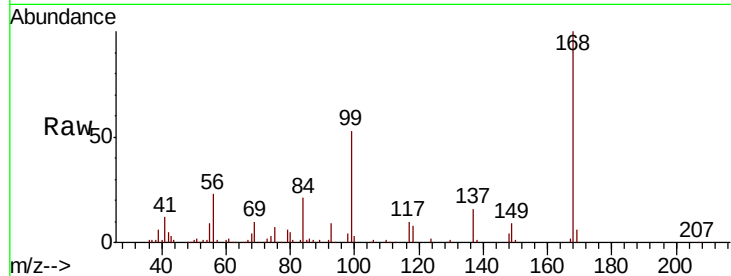
VN0204MBSD01

Tot Ion:168 Resp: 203720

Ion Ratio Lower Upper

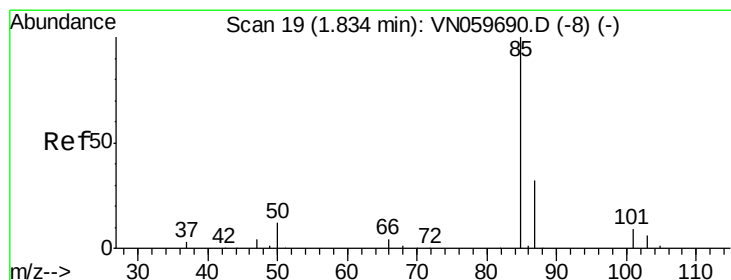
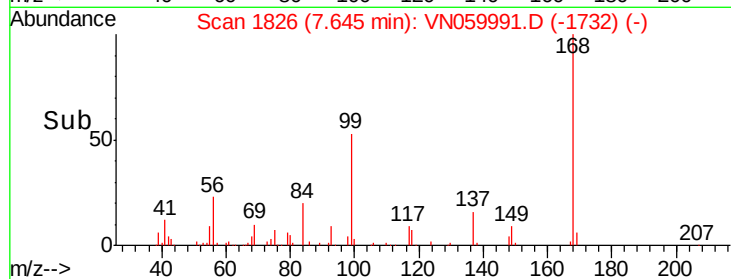
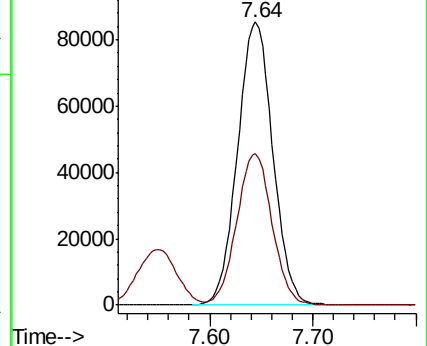
168 100

99 53.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059991.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN059991.D (-1732) (-)



#2

Dichlorodifluoromethane

Concen: 17.272 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059991.D

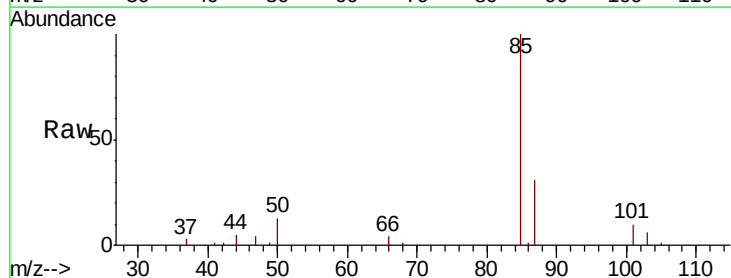
Acq: 4 Feb 2020 13:49

Tgt Ion: 85 Resp: 42308

Ion Ratio Lower Upper

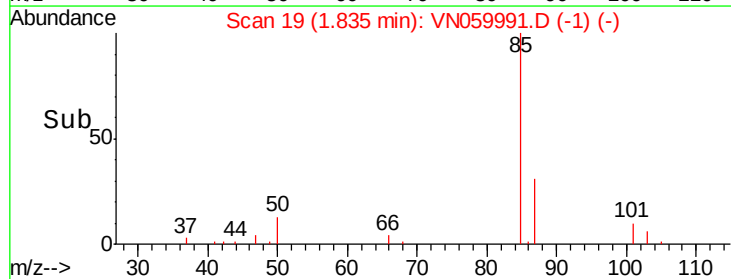
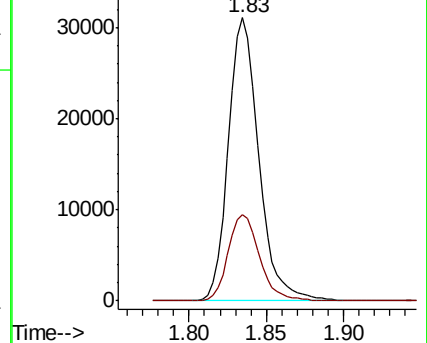
85 100

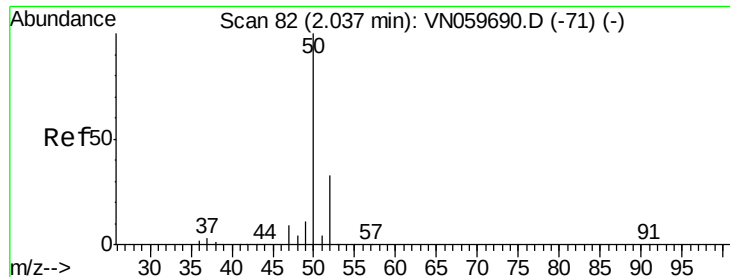
87 30.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN059991.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN059991.D (-1) (-)





#3

Chloromethane

Concen: 18.829 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

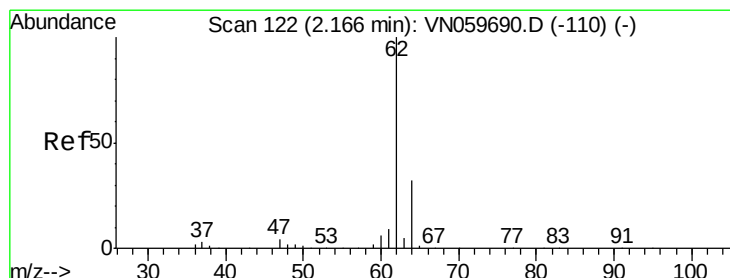
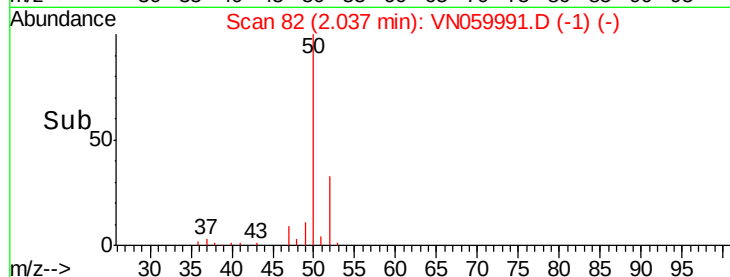
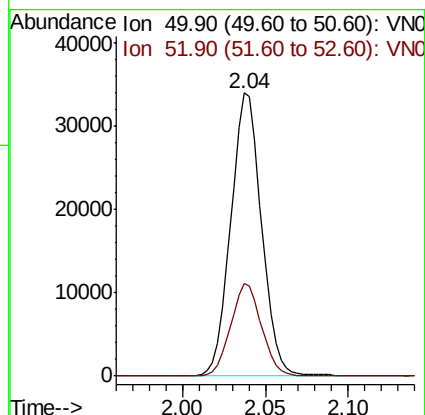
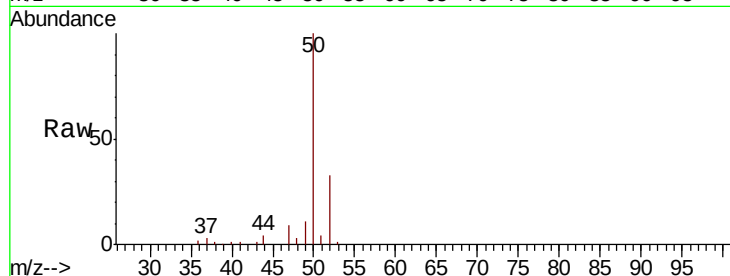
VN0204MBSD01

Tot Ion: 50 Resp: 43916

Ion Ratio Lower Upper

50 100

52 32.6 25.9 38.9



#4

Vinyl Chloride

Concen: 20.388 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059991.D

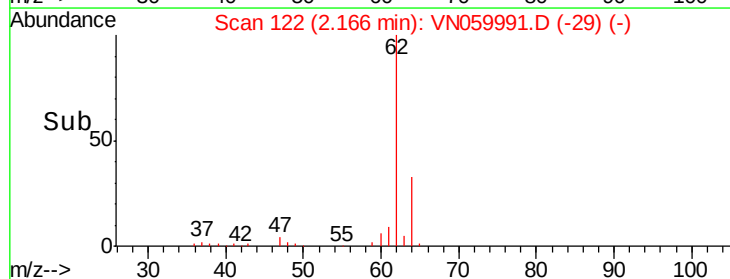
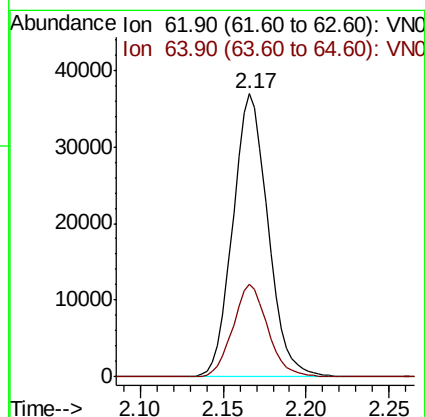
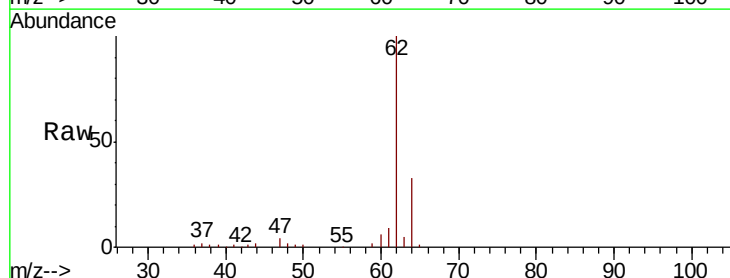
Acq: 4 Feb 2020 13:49

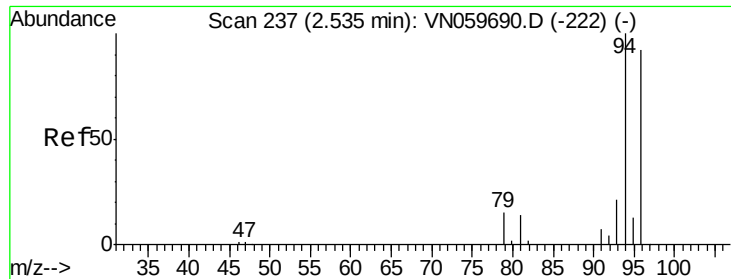
Tgt Ion: 62 Resp: 54406

Ion Ratio Lower Upper

62 100

64 32.8 24.6 37.0

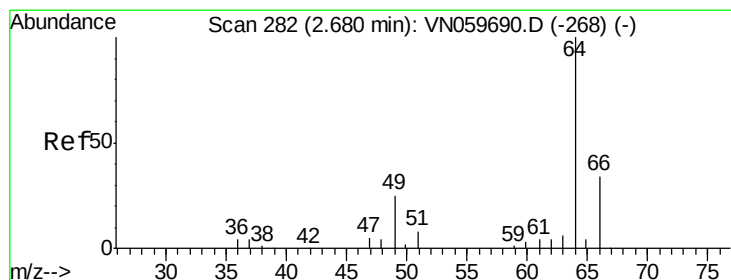
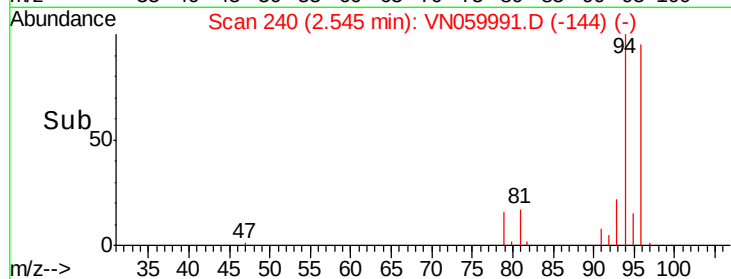
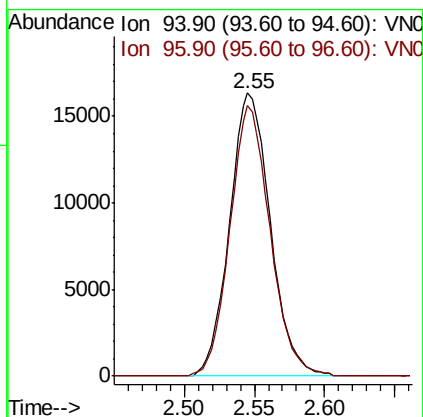
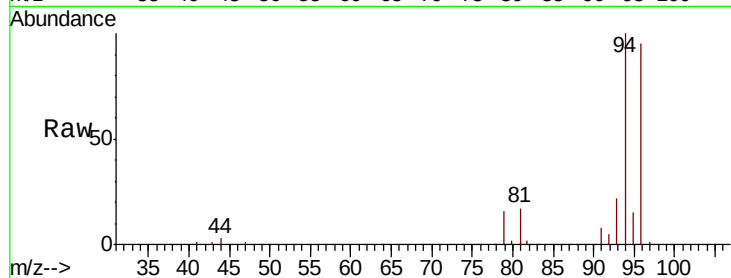




#5
Bromomethane
Concen: 20.291 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.01 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

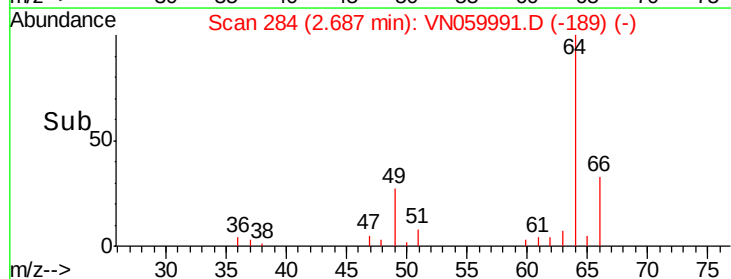
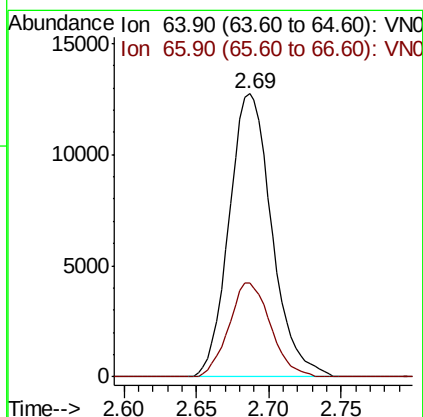
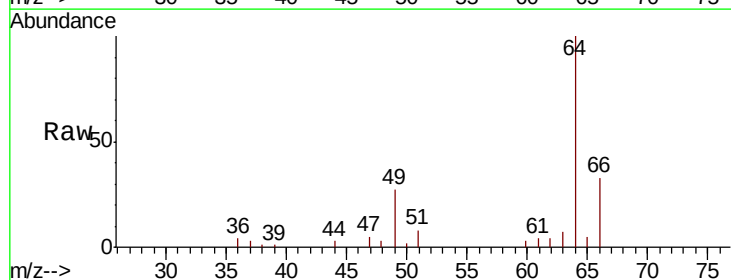
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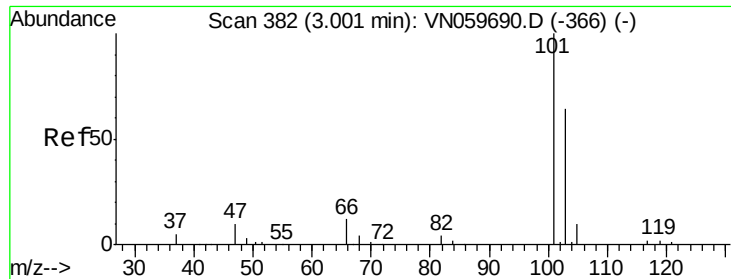
Tot Ion: 94 Resp: 33045
Ion Ratio Lower Upper
94 100
96 95.5 74.7 112.1



#6
Chloroethane
Concen: 20.645 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.01 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion: 64 Resp: 26065
Ion Ratio Lower Upper
64 100
66 33.4 25.1 37.7



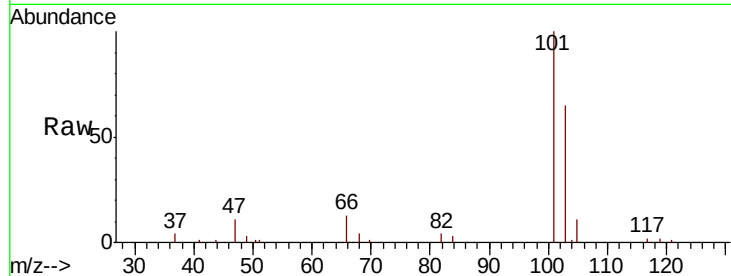


#7

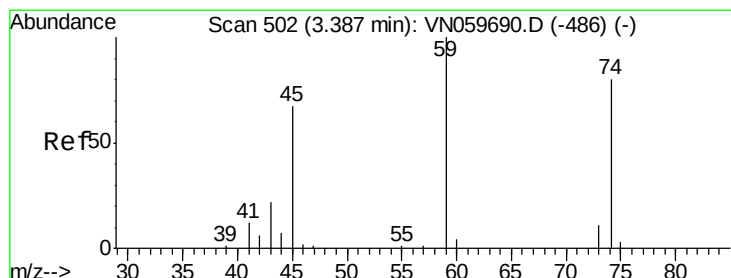
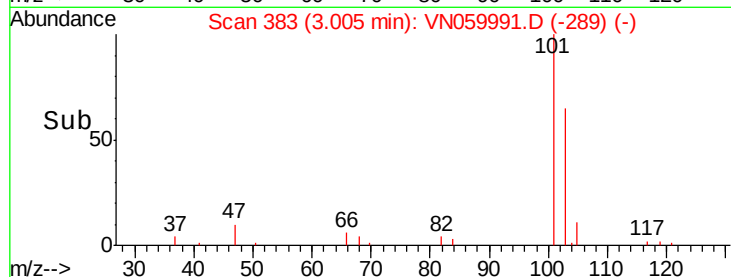
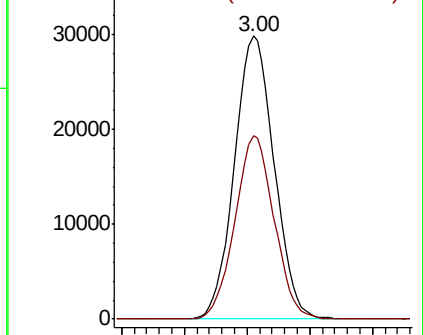
Trichlorofluoromethane
Concen: 20.474 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Instrument :
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ClientSampleId :
VN0204MBSD01

Tot Ion:101 Resp: 65617
Ion Ratio Lower Upper
101 100
103 65.0 51.0 76.6



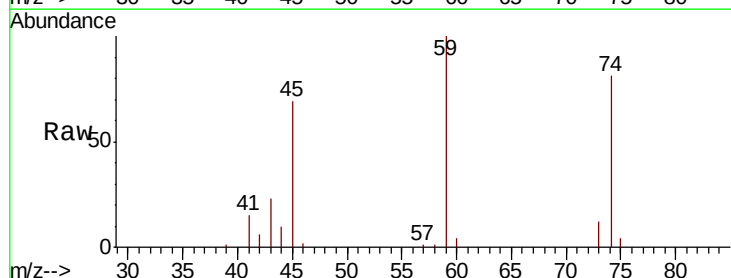
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



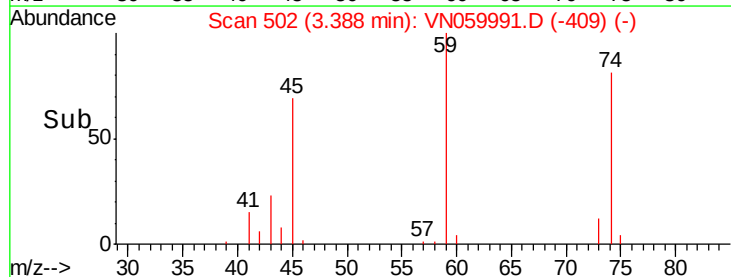
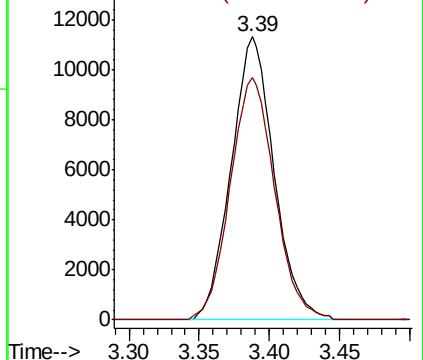
#8

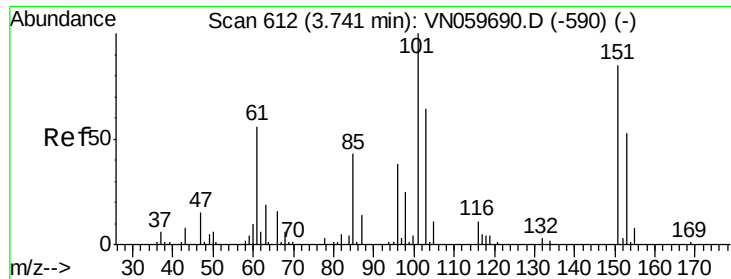
Diethyl Ether
Concen: 21.407 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion: 74 Resp: 24077
Ion Ratio Lower Upper
74 100
45 88.7 51.9 155.8



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

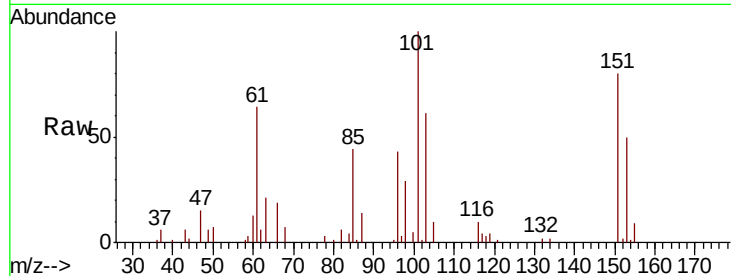




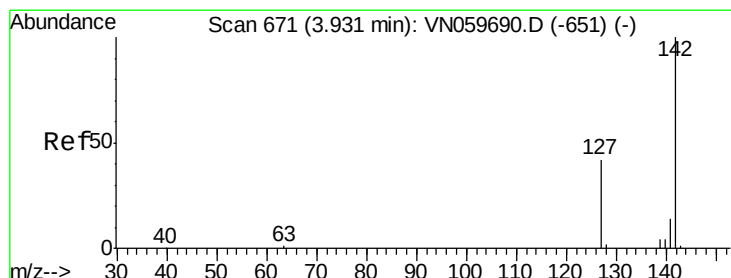
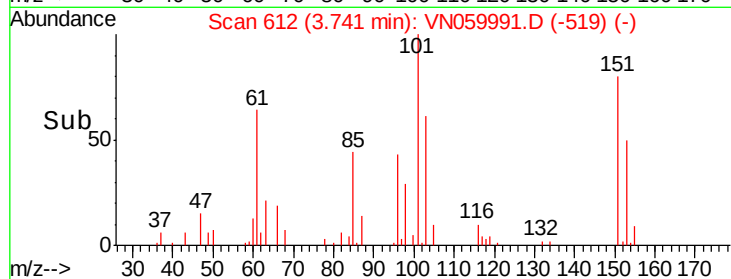
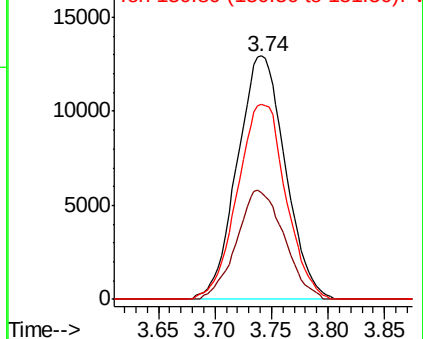
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.449 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBSD01

Tot Ion:101 Resp: 38258
 Ion Ratio Lower Upper
 101 100
 85 44.1 36.6 54.8
 151 80.8 59.7 89.5

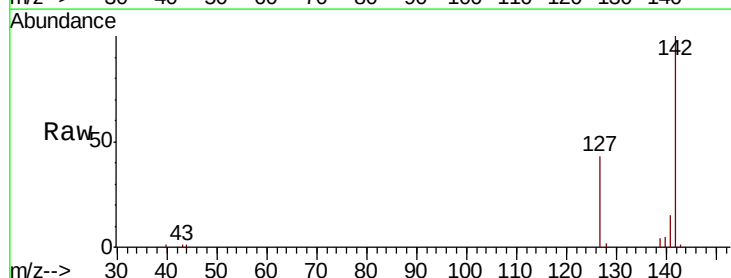


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

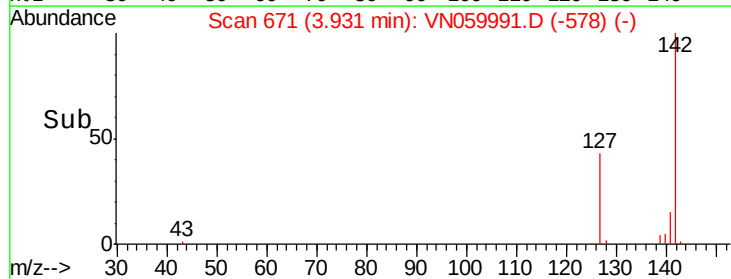
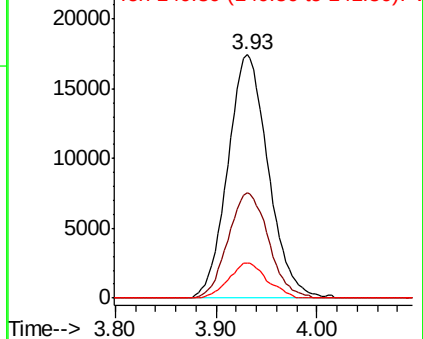


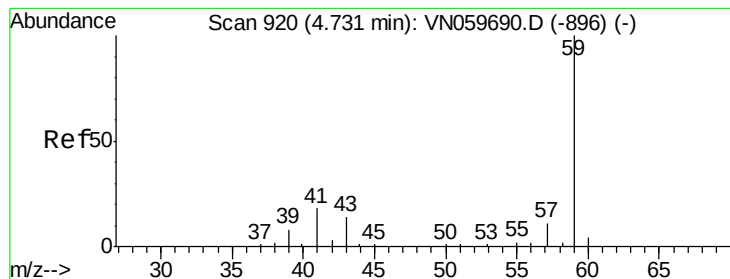
#10
 Methyl Iodide
 Concen: 16.871 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

Tgt Ion:142 Resp: 48642
 Ion Ratio Lower Upper
 142 100
 127 43.3 36.7 55.1
 141 13.7 11.7 17.5



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



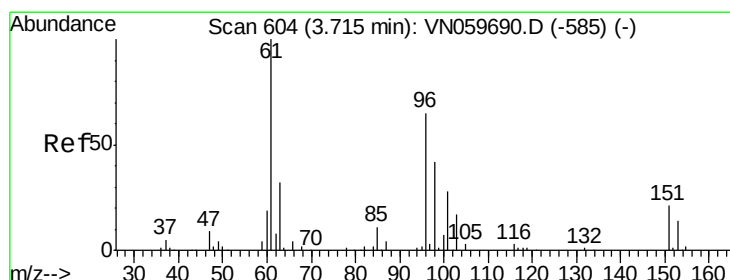
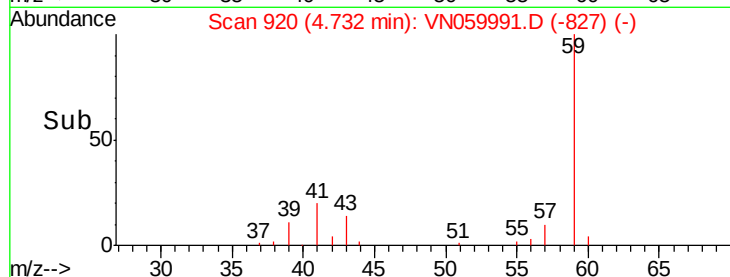
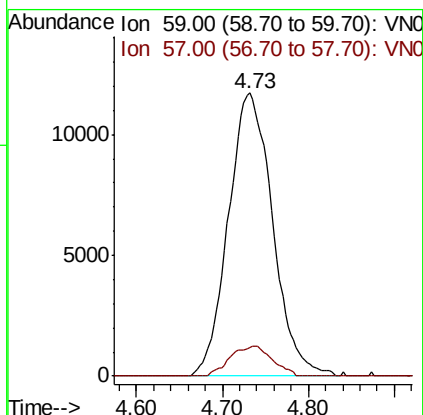
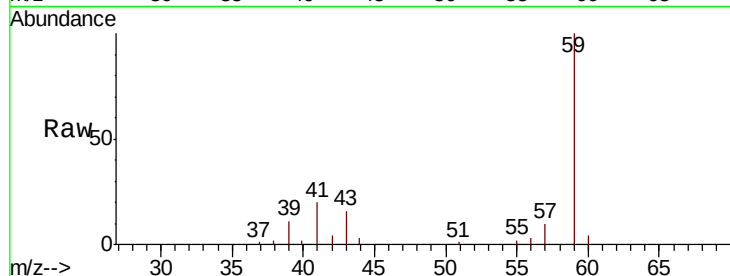


#11

Tert butyl alcohol
 Concen: 110.102 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0204MBSD01

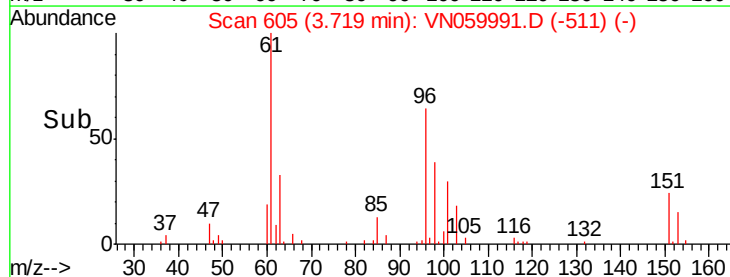
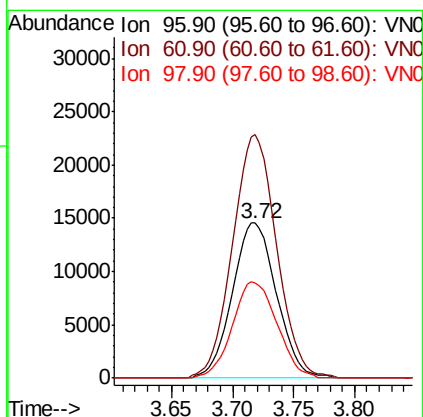
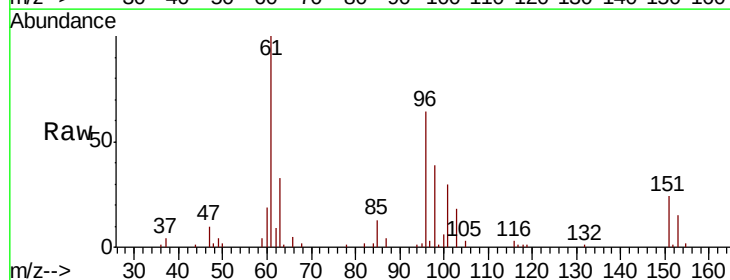
Tot Ion: 59 Resp: 41933
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.6 12.8

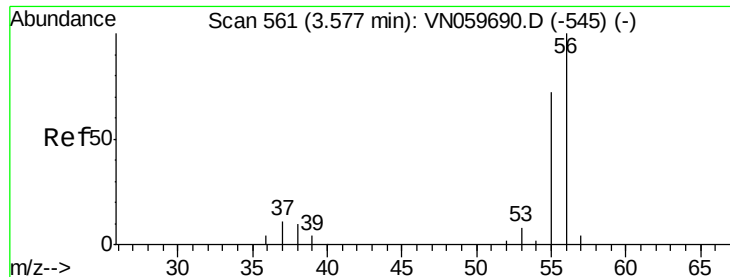


#12

1,1-Dichloroethene
 Concen: 19.554 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

Tgt Ion: 96 Resp: 36446
 Ion Ratio Lower Upper
 96 100
 61 156.9 137.5 206.3
 98 61.4 50.2 75.4





#13

Acrolein

Concen: 56.309 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.01 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

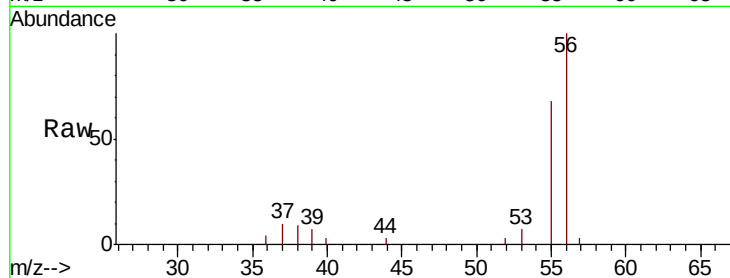
VN0204MBSD01

Tot Ion: 56 Resp: 15181

Ion Ratio Lower Upper

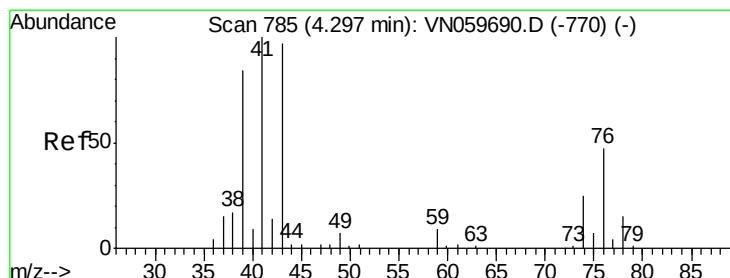
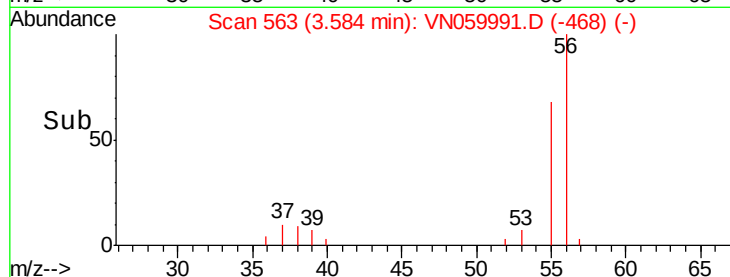
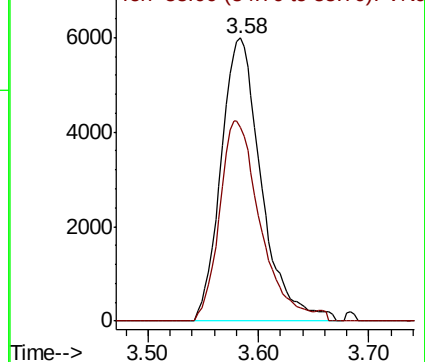
56 100

55 70.8 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.136 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

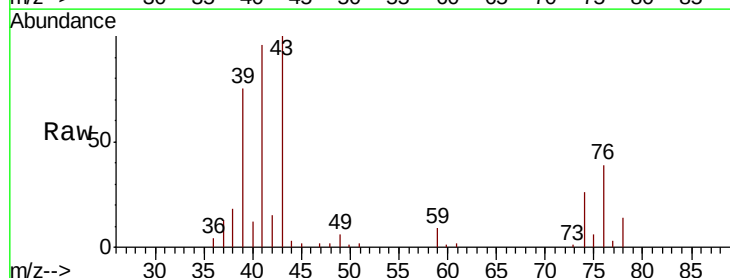
Tgt Ion: 41 Resp: 53098

Ion Ratio Lower Upper

41 100

39 83.3 57.8 86.8

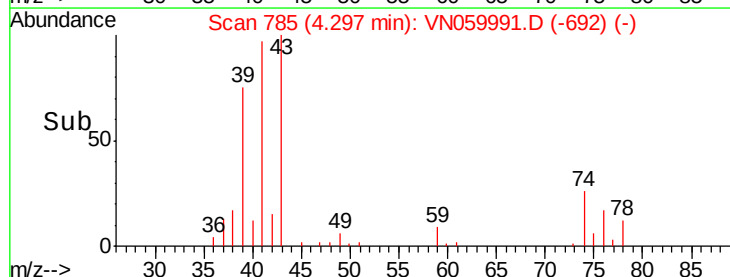
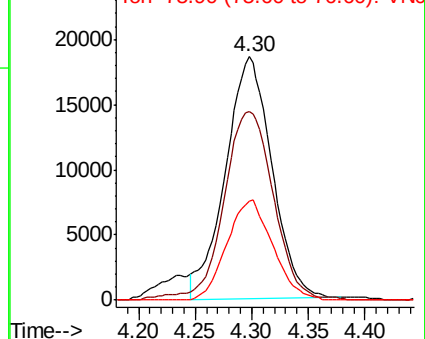
76 40.6 25.4 38.0#

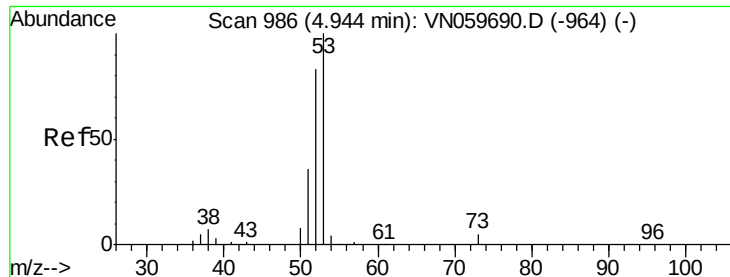


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 110.244 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

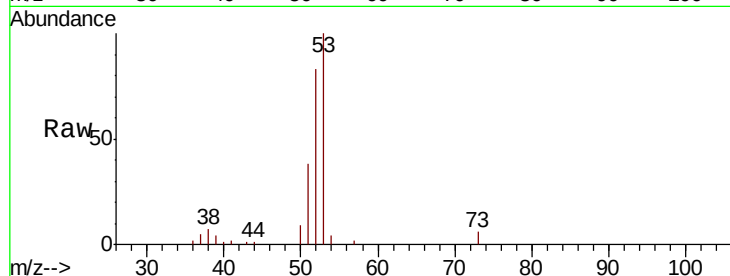
Tot Ion: 53 Resp: 95776

Ion Ratio Lower Upper

53 100

52 82.7 66.3 99.5

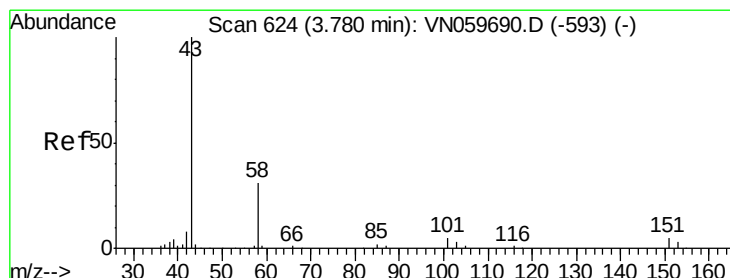
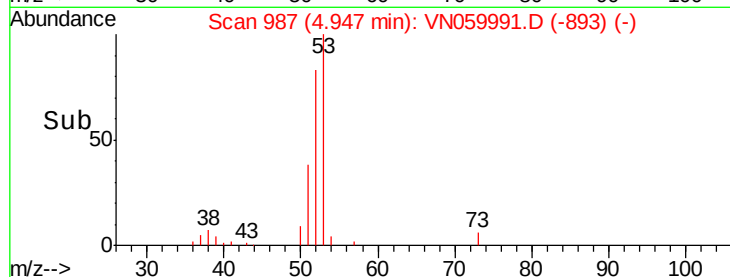
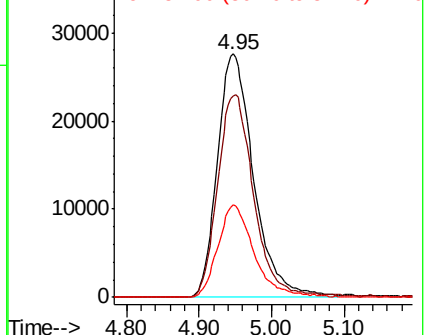
51 37.5 29.7 44.5



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: 117.686 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN059991.D

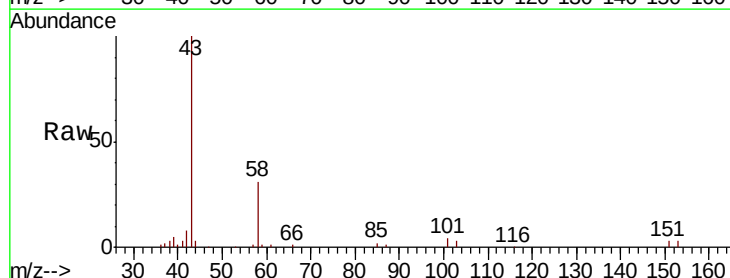
Acq: 4 Feb 2020 13:49

Tgt Ion: 43 Resp: 94898

Ion Ratio Lower Upper

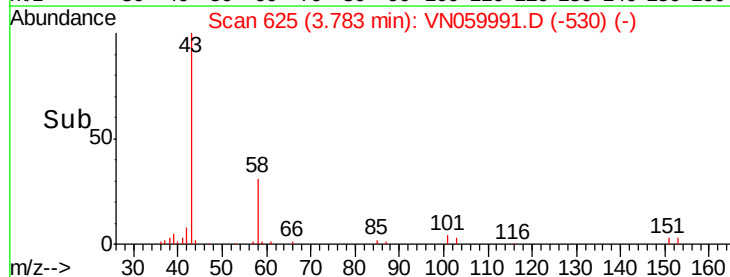
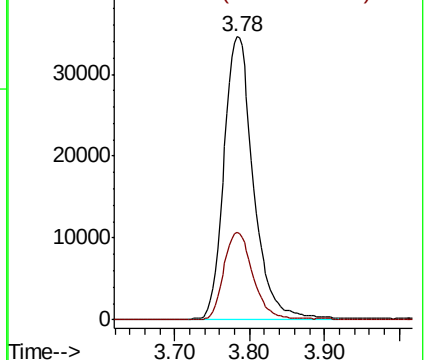
43 100

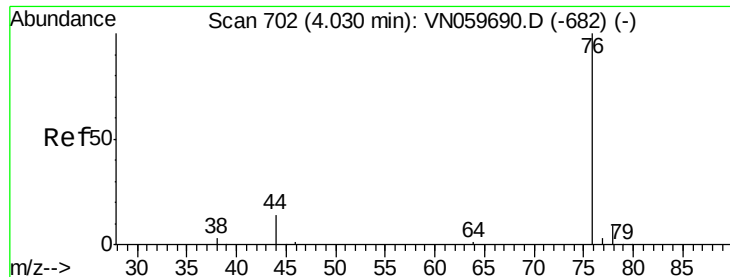
58 31.1 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 16.128 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

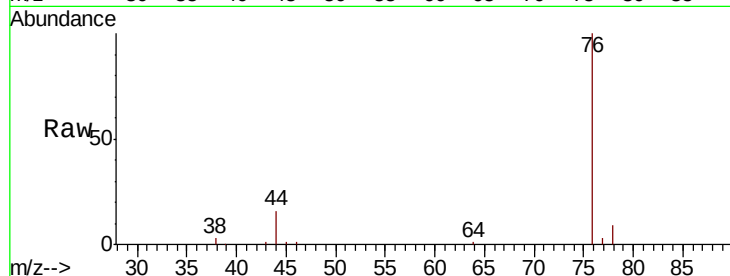
VN0204MBSD01

Tot Ion: 76 Resp: 85628

Ion Ratio Lower Upper

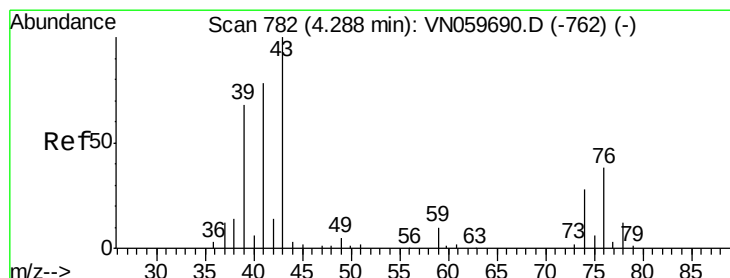
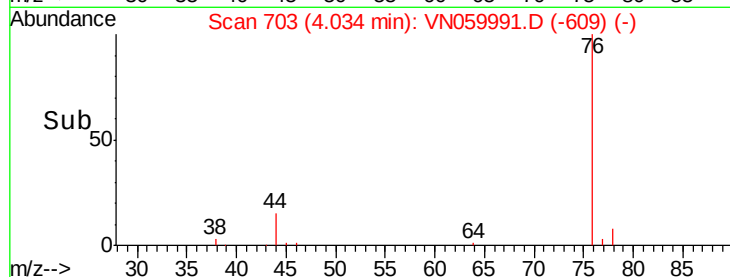
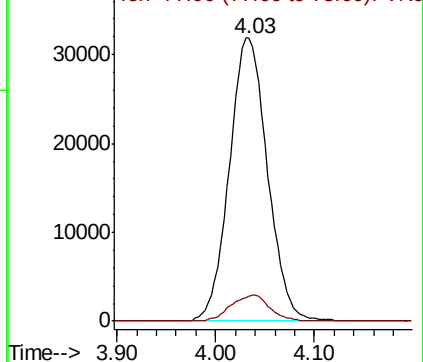
76 100

78 8.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 22.865 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN059991.D

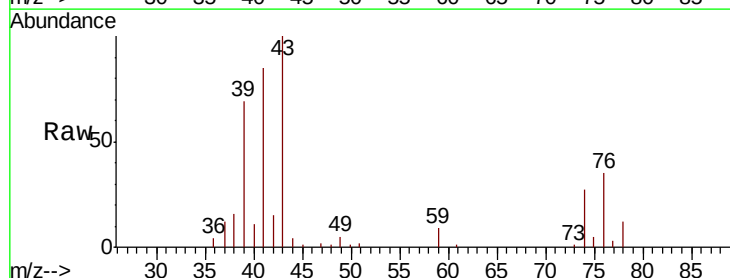
Acq: 4 Feb 2020 13:49

Tgt Ion: 43 Resp: 60422

Ion Ratio Lower Upper

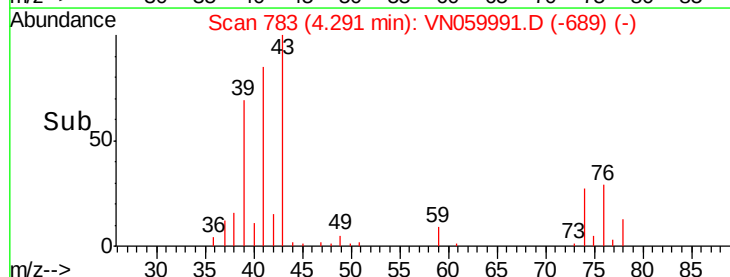
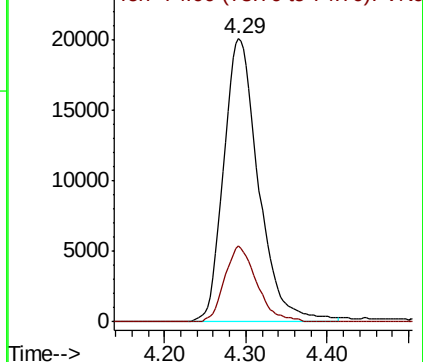
43 100

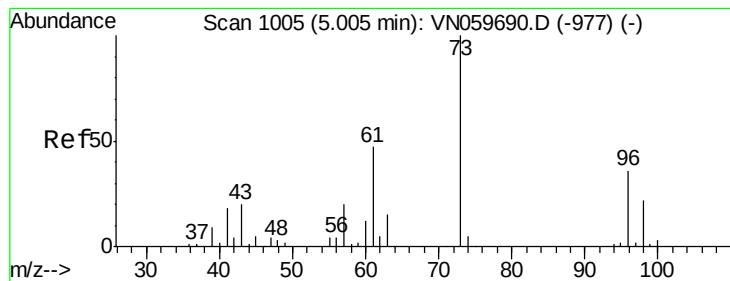
74 24.7 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



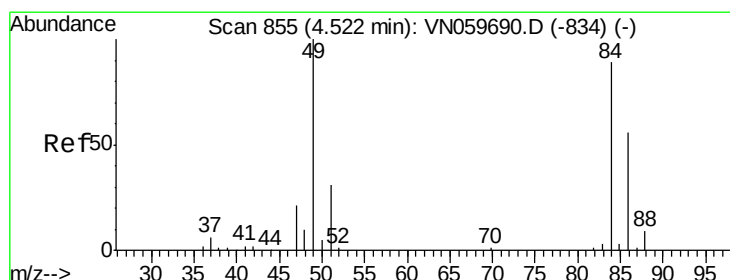
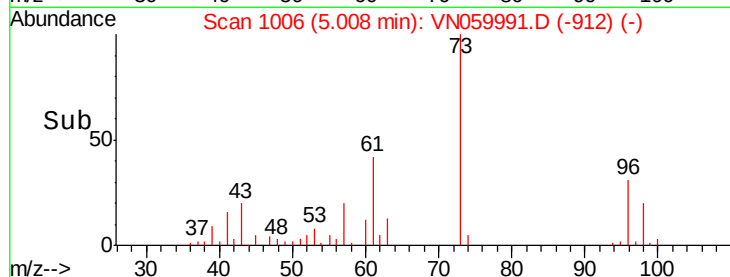
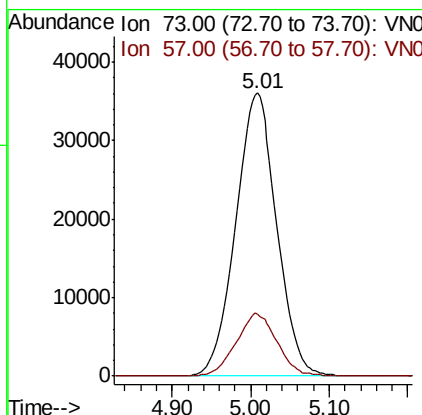
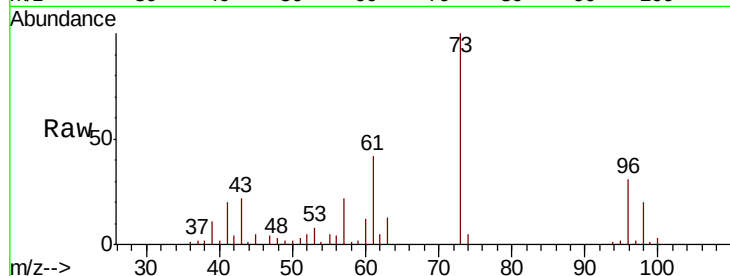


#19

Methyl tert-butyl Ether
 Concen: 21.655 ug/l
 RT: 5.01 min Scan# 1006
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBSD01

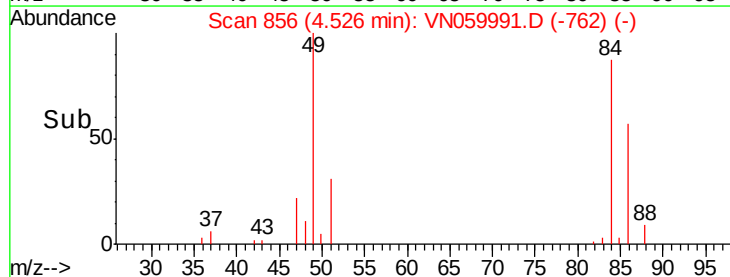
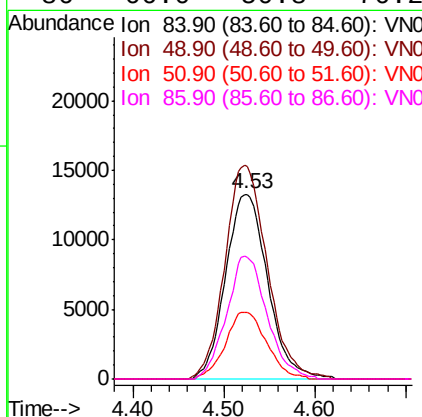
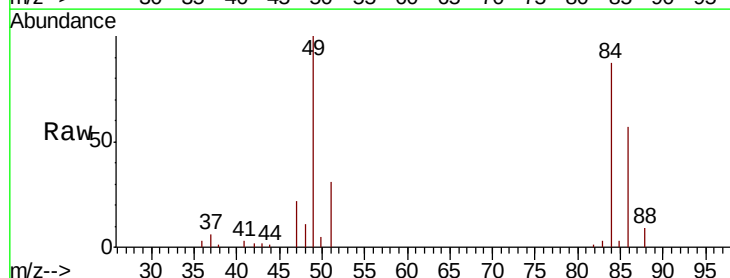
Tot Ion: 73 Resp: 131594
 Ion Ratio Lower Upper
 73 100
 57 21.9 18.6 27.8

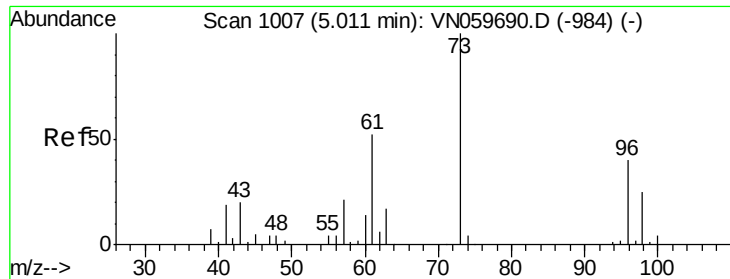


#20

Methylene Chloride
 Concen: 20.037 ug/l
 RT: 4.53 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

Tgt Ion: 84 Resp: 42600
 Ion Ratio Lower Upper
 84 100
 49 115.2 106.6 160.0
 51 35.9 31.9 47.9
 86 66.0 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 19.278 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

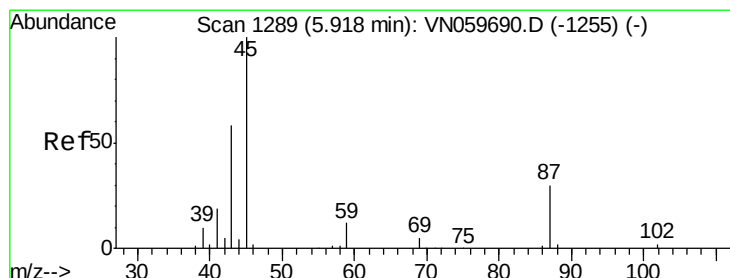
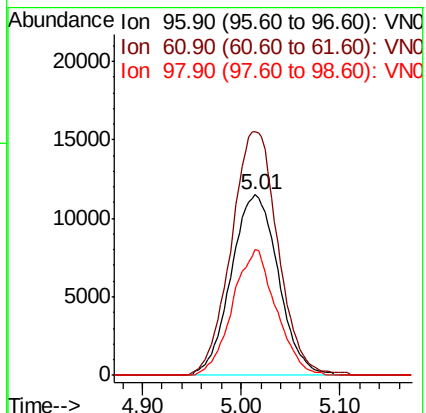
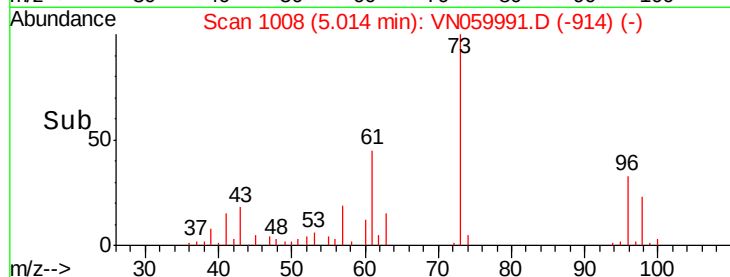
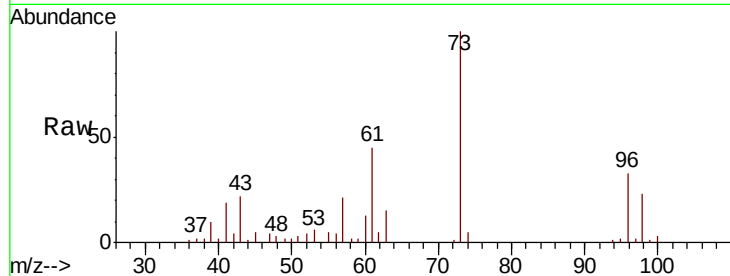
Tot Ion: 96 Resp: 38194

Ion Ratio Lower Upper

96 100

61 134.5 120.4 180.6

98 69.5 50.6 75.8



#22

Diisopropyl ether

Concen: 21.487 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Tgt Ion: 45 Resp: 122328

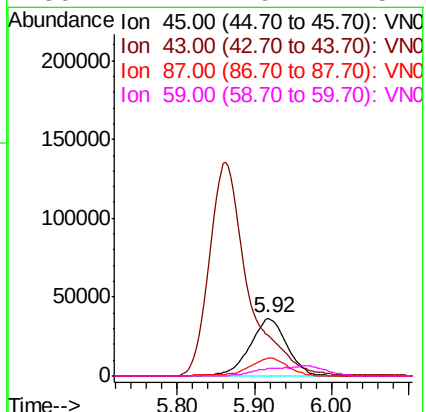
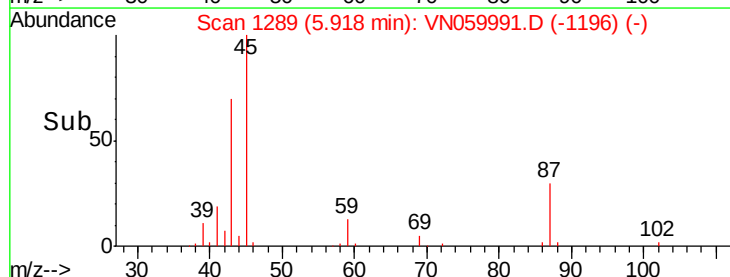
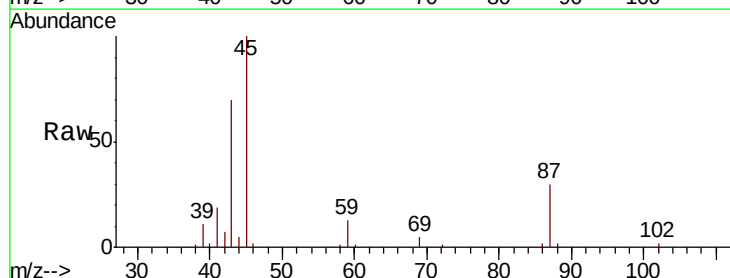
Ion Ratio Lower Upper

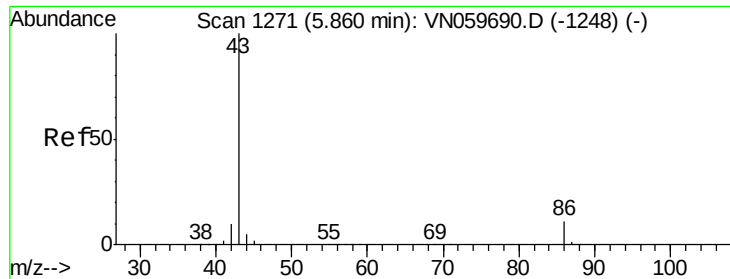
45 100

43 67.6 50.8 76.2

87 30.3 21.0 31.6

59 12.2 9.1 13.7





#23

Vinyl Acetate

Concen: 106.952 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

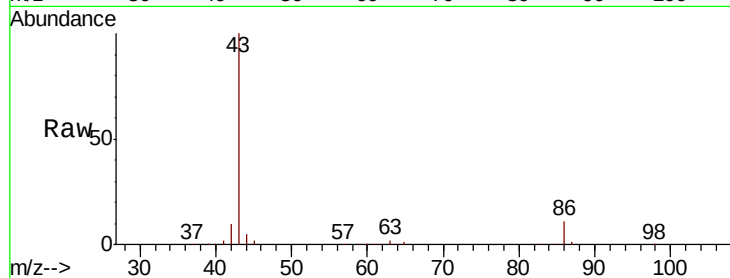
VN0204MBSD01

Tot Ion: 43 Resp: 471430

Ion Ratio Lower Upper

43 100

86 11.3 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN059991.D (-1248) (-)

Ion 86.00 (85.70 to 86.70): VN059991.D (-1248) (-)

5.86

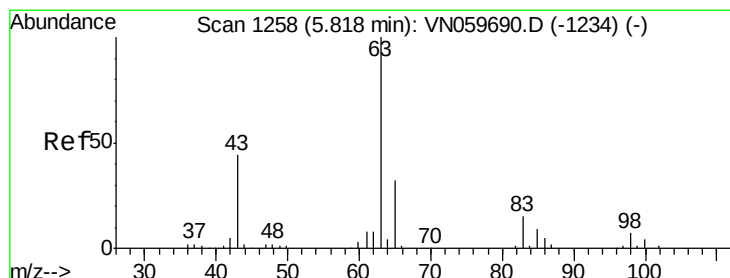
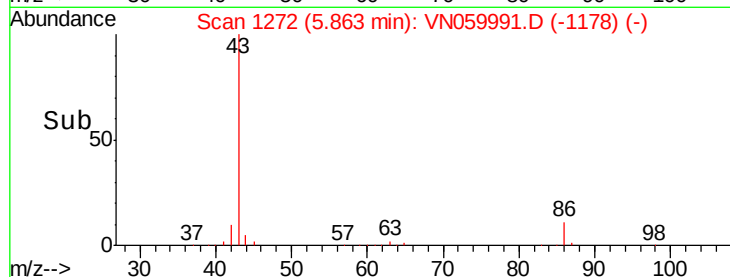
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.941 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

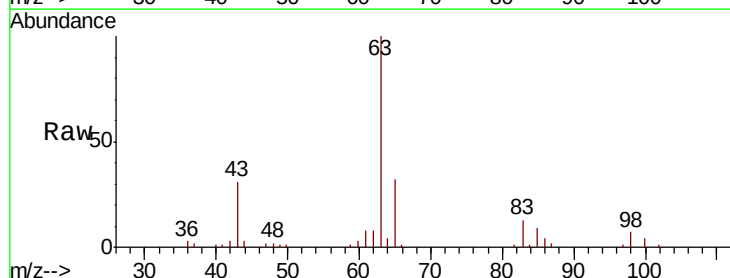
Tgt Ion: 63 Resp: 72846

Ion Ratio Lower Upper

63 100

98 7.2 2.9 8.7

100 4.4 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN059991.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059991.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059991.D (-1165) (-)

5.82

30000

25000

20000

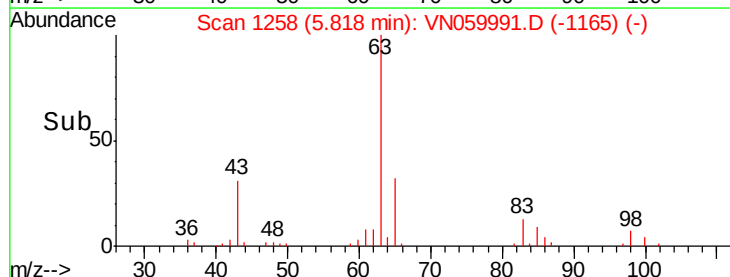
15000

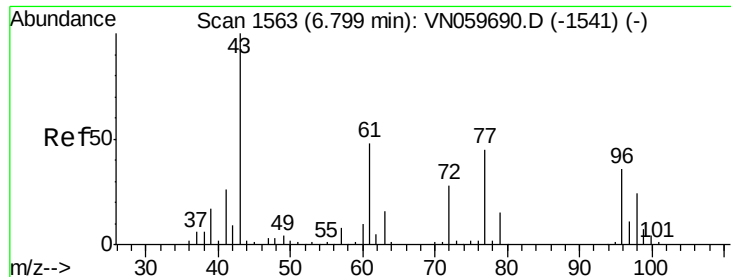
10000

5000

0

Time-->





#25

2-Butanone

Concen: 102.270 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

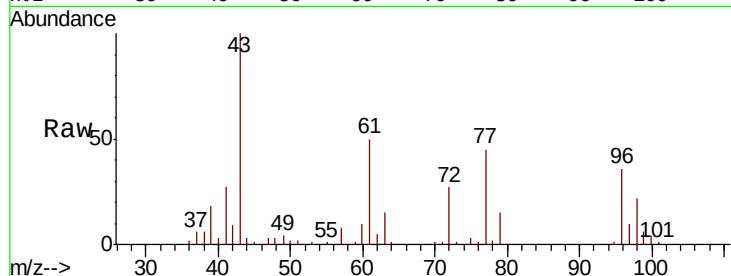
VN0204MBSD01

Tot Ion: 43 Resp: 131025

Ion Ratio Lower Upper

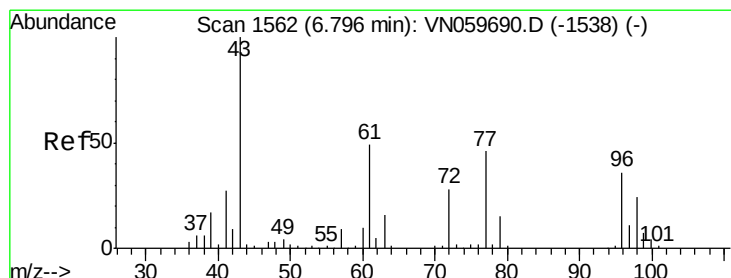
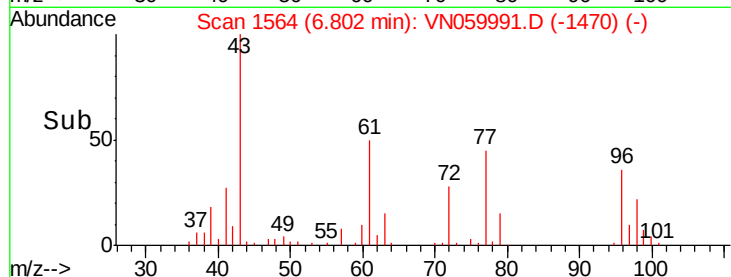
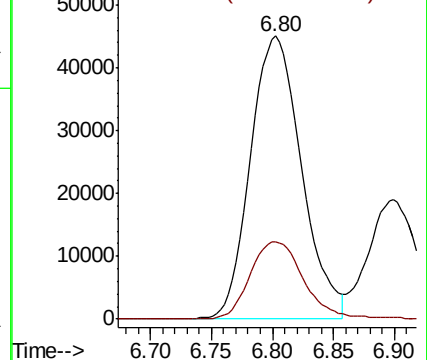
43 100

72 27.5 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 20.335 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059991.D

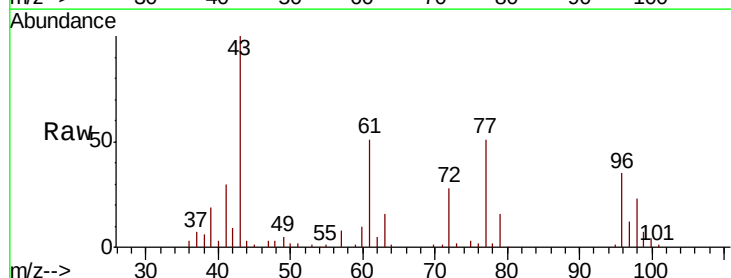
Acq: 4 Feb 2020 13:49

Tgt Ion: 77 Resp: 68006

Ion Ratio Lower Upper

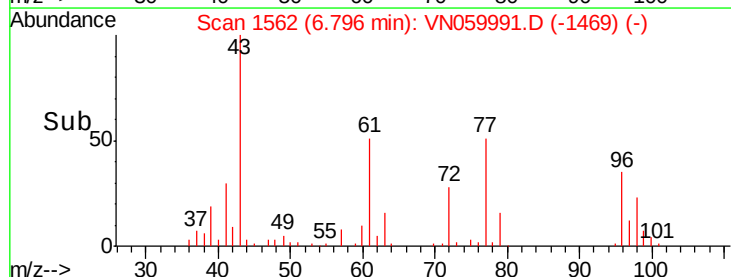
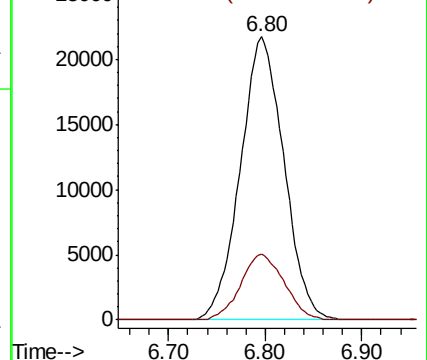
77 100

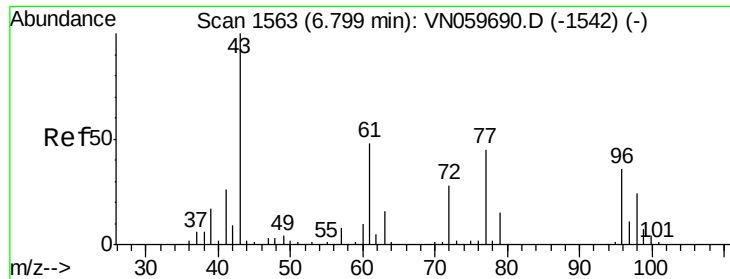
97 23.1 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.366 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

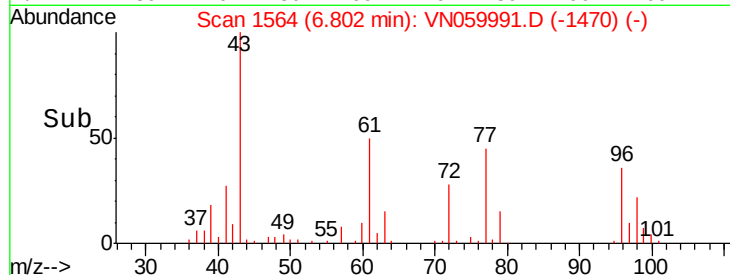
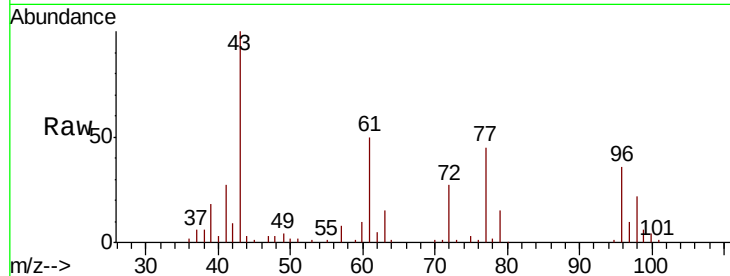
Tot Ion: 96 Resp: 46410

Ion Ratio Lower Upper

96 100

61 143.7 0.0 317.6

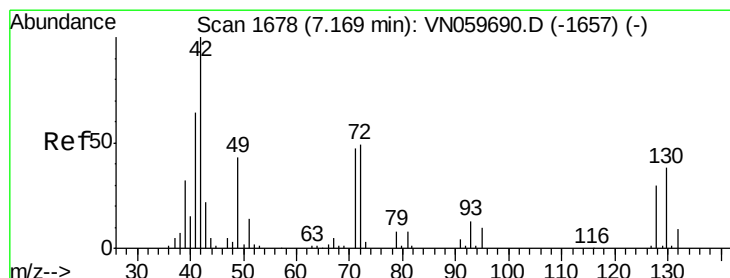
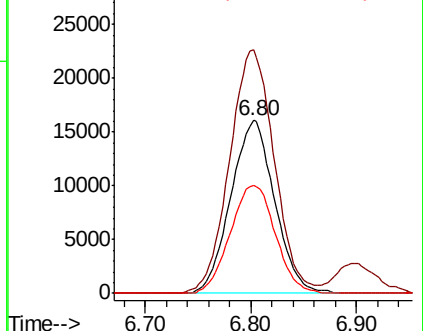
98 64.1 0.0 127.0



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



#28

Bromochloromethane

Concen: 19.924 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

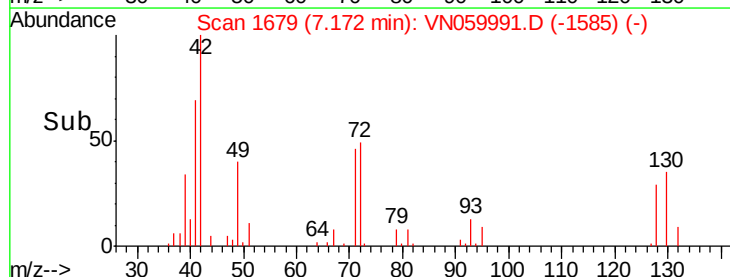
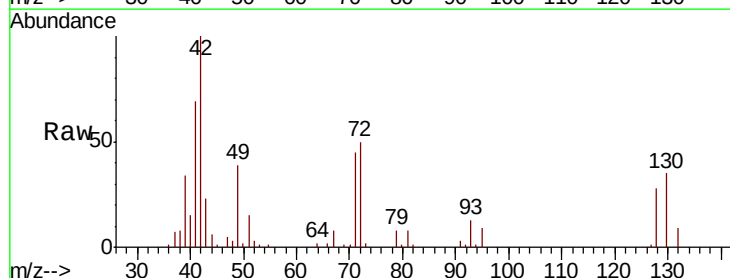
Tgt Ion: 49 Resp: 27701

Ion Ratio Lower Upper

49 100

129 0.4 0.0 3.4

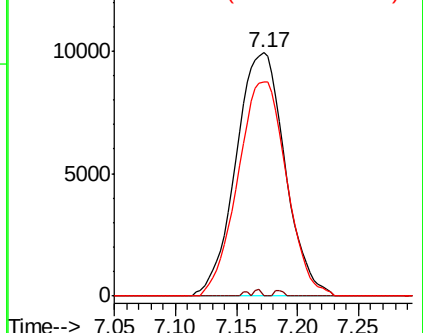
130 87.2 54.7 82.1#

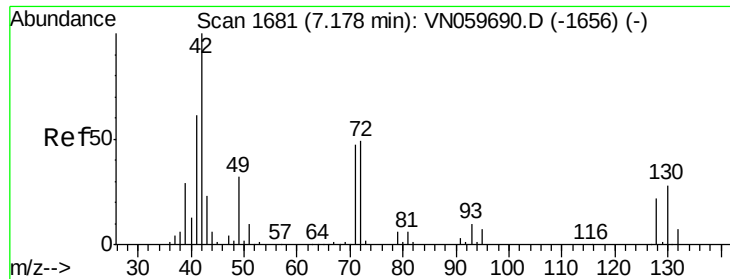


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

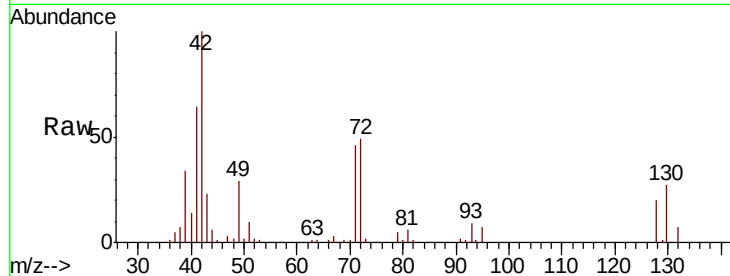




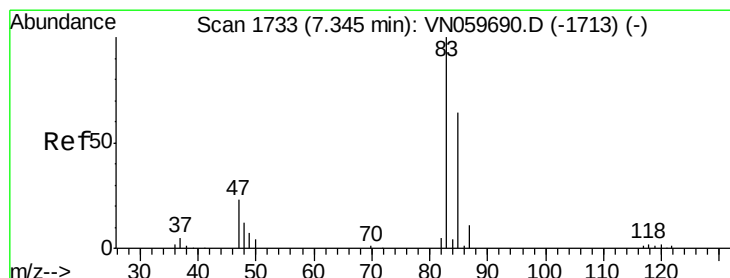
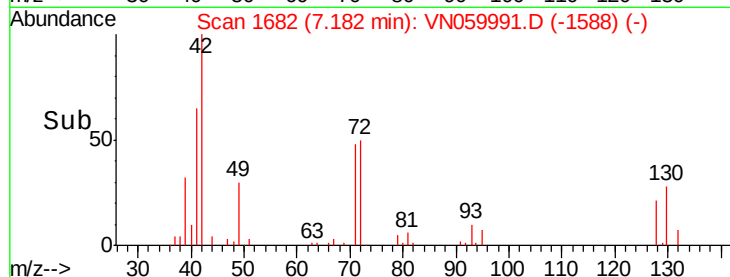
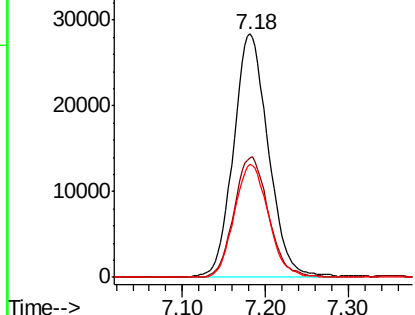
#29
Tetrahydrofuran
Concen: 104.817 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Instrument :
MSVOA_N
ClientSampled :
VN0204MBSD01

Tot Ion: 42 Resp: 83086
Ion Ratio Lower Upper
42 100
72 48.6 33.1 49.7
71 45.2 31.4 47.0

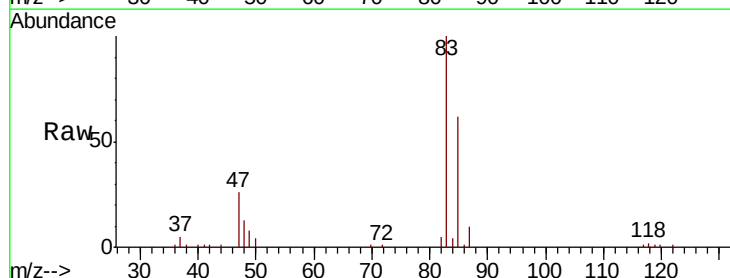


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

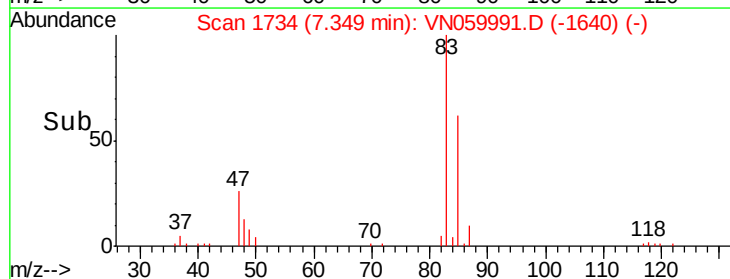
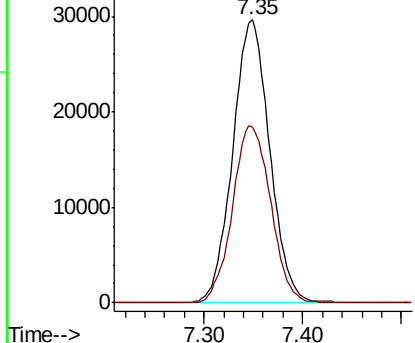


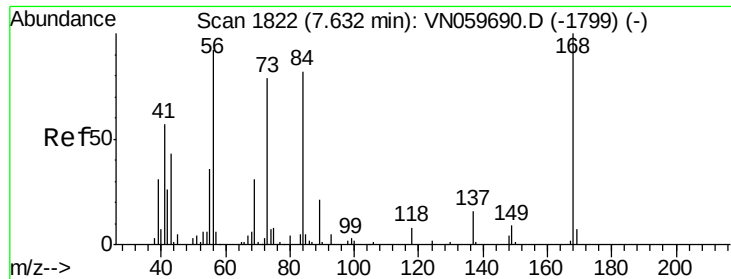
#30
Chloroform
Concen: 21.416 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion: 83 Resp: 77191
Ion Ratio Lower Upper
83 100
85 62.3 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

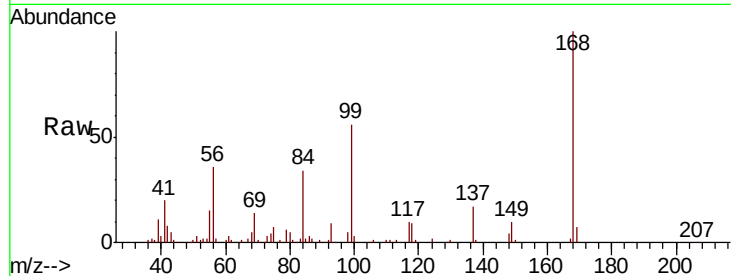




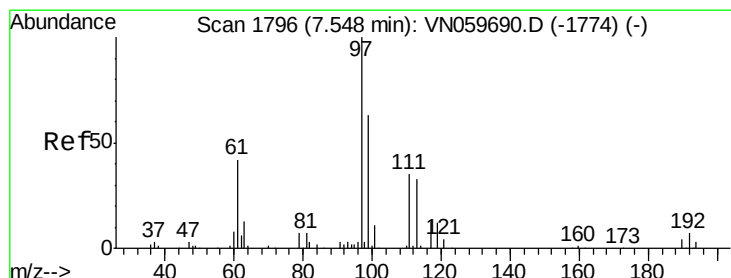
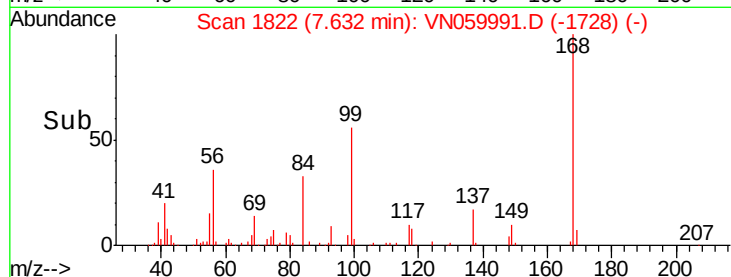
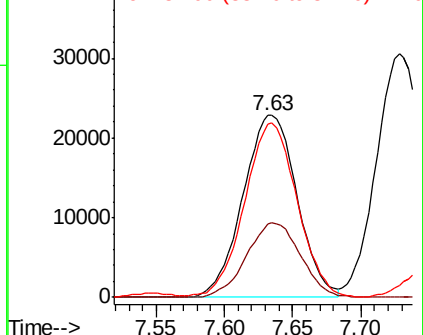
#31
Cyclohexane
Concen: 18.737 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

Tot Ion: 56 Resp: 62719
Ion Ratio Lower Upper
56 100
69 40.0 26.5 39.7#
84 94.2 65.3 97.9

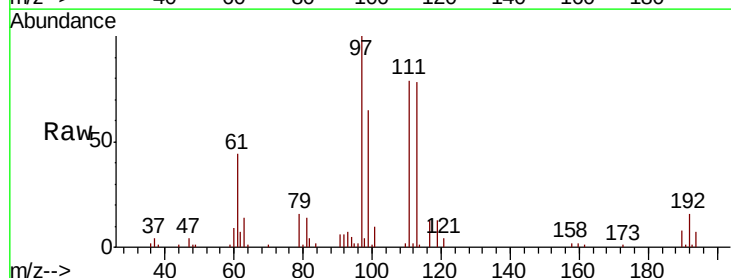


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

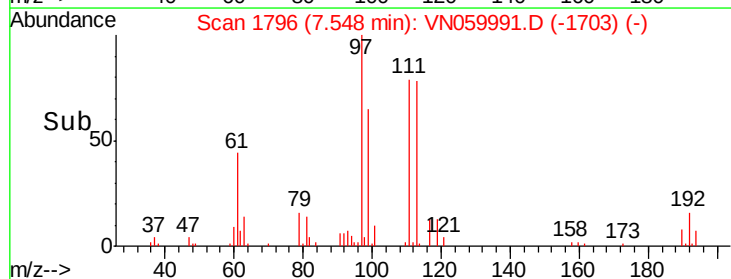
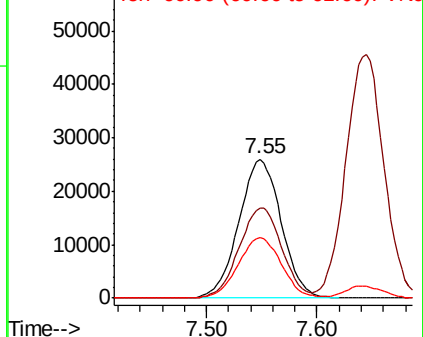


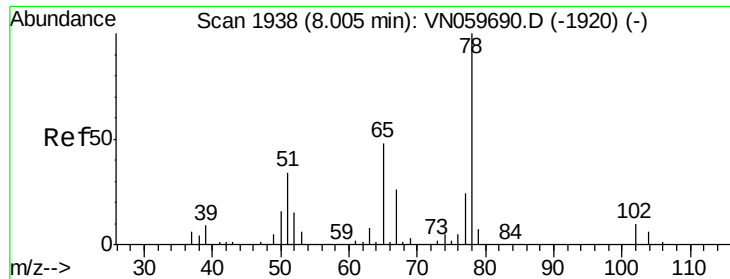
#32
1,1,1-Trichloroethane
Concen: 20.742 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion: 97 Resp: 69123
Ion Ratio Lower Upper
97 100
99 65.9 51.0 76.4
61 44.6 38.5 57.7



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

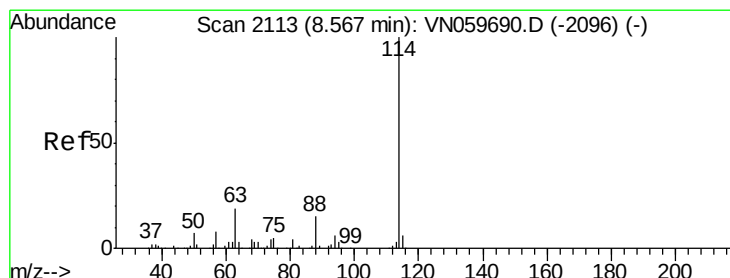
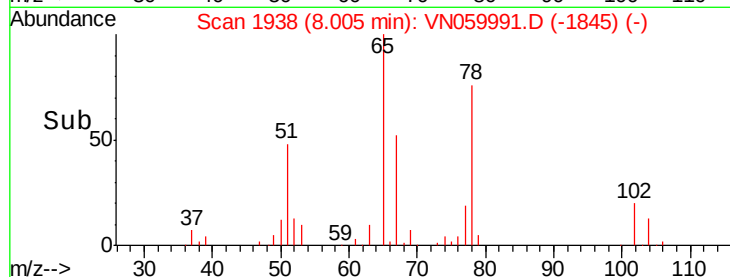
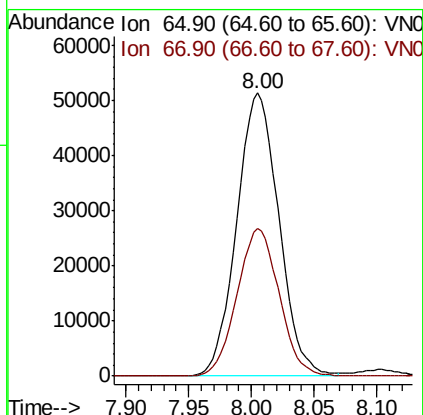
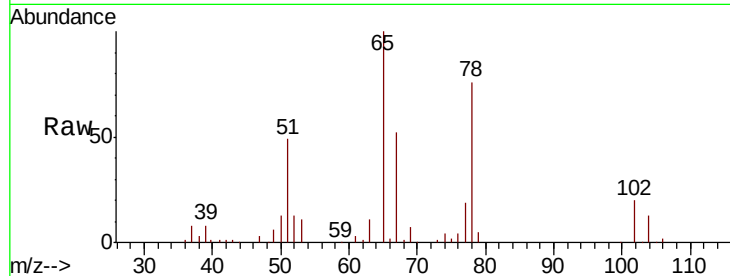




#33
 1,2-Dichloroethane-d4
 Concen: 52.999 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

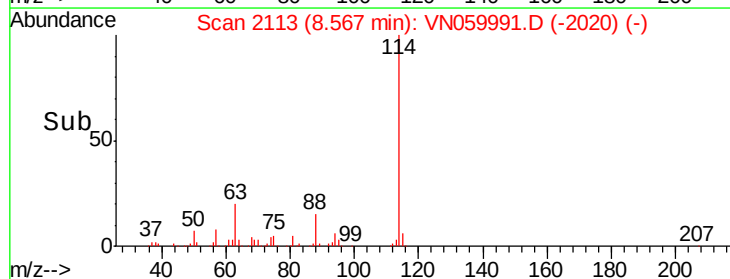
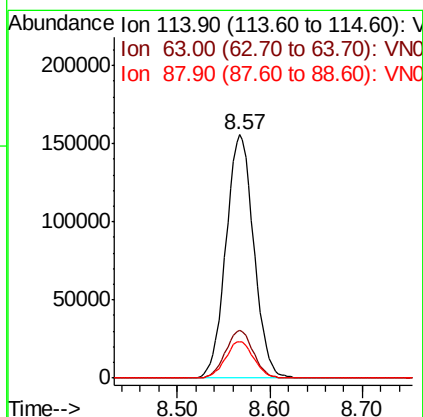
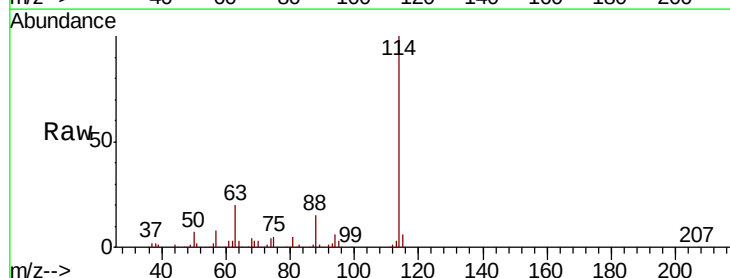
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBSD01

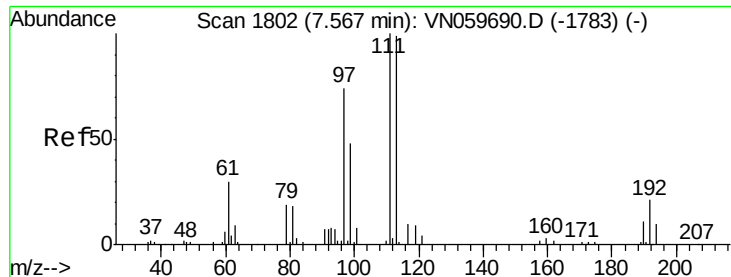
Tot Ion: 65 Resp: 119904
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

Tgt Ion: 114 Resp: 323903
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 43.6
 88 15.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.214 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

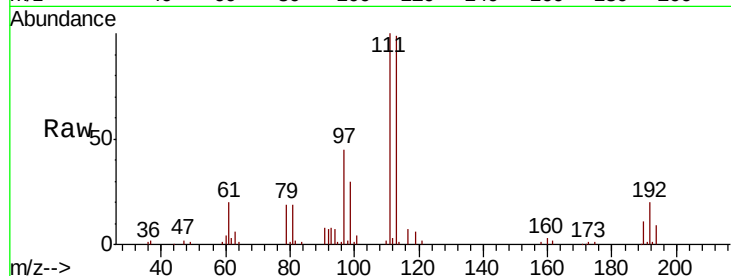
Tot Ion:113 Resp: 96992

Ion Ratio Lower Upper

113 100

111 102.0 83.5 125.3

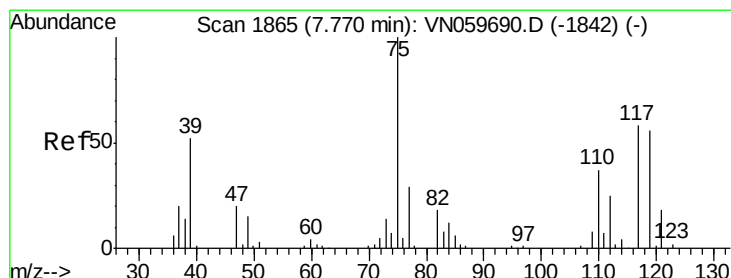
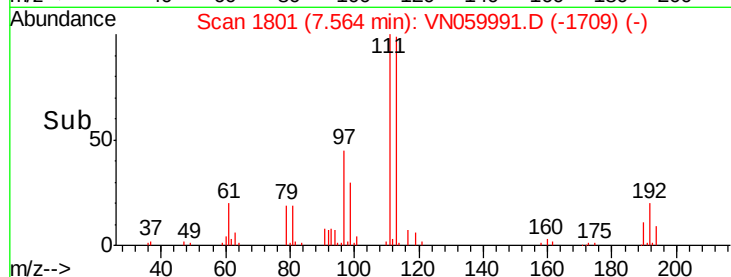
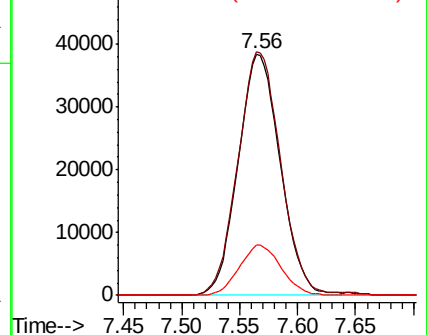
192 20.6 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.228 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

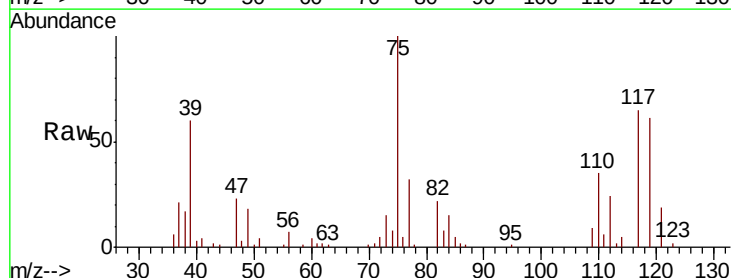
Tgt Ion: 75 Resp: 54236

Ion Ratio Lower Upper

75 100

110 36.3 16.6 49.7

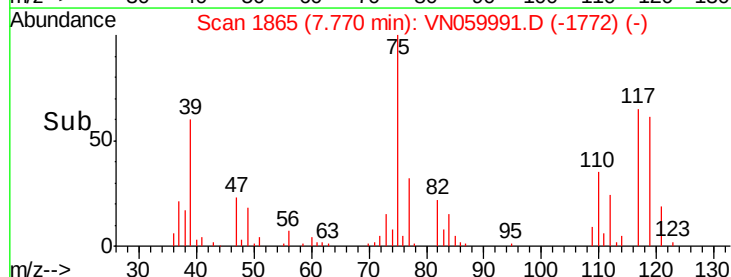
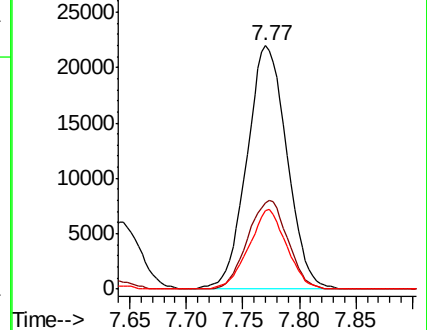
77 30.8 25.1 37.7

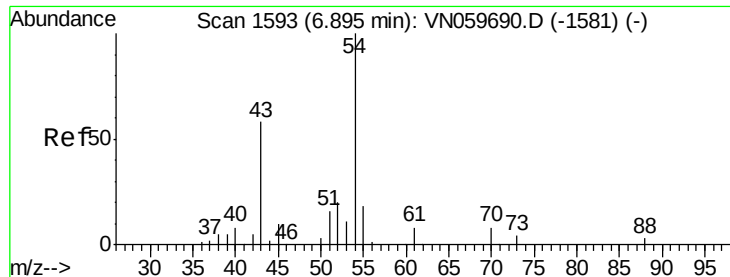


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

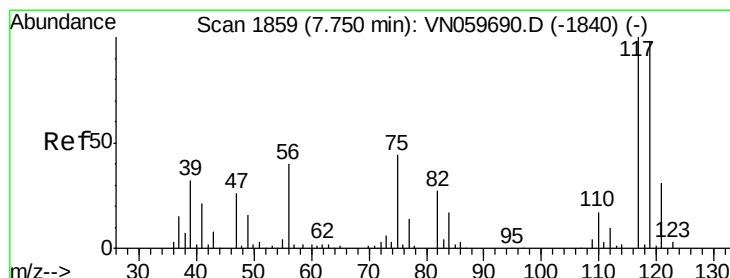
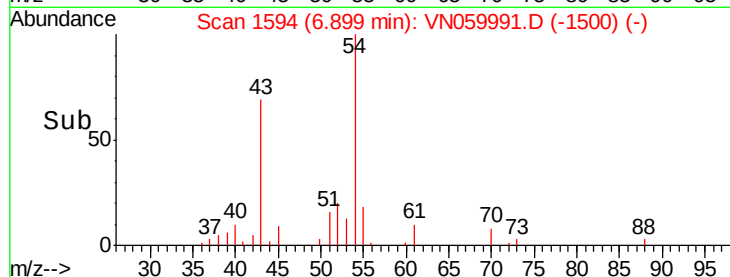
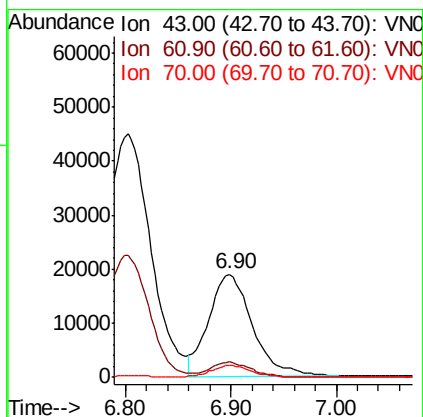
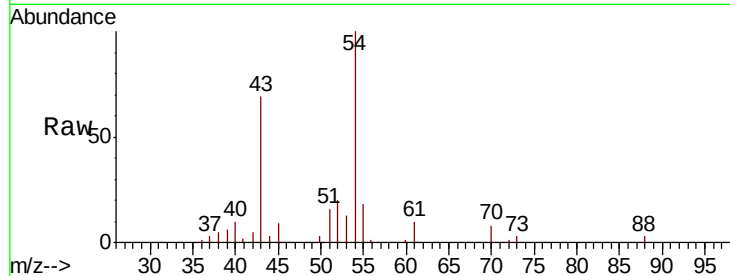




#37
Ethyl Acetate
Concen: 20.559 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

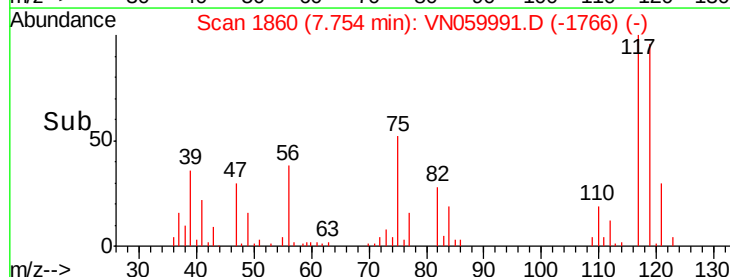
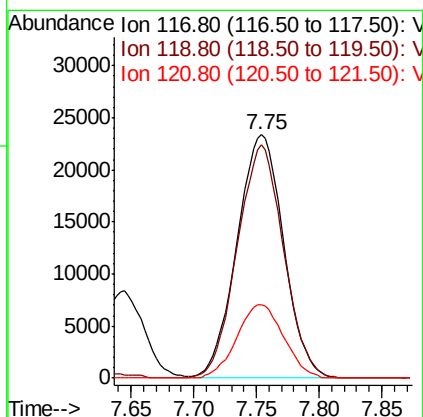
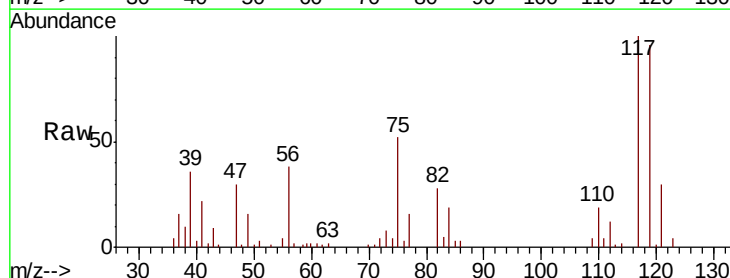
Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

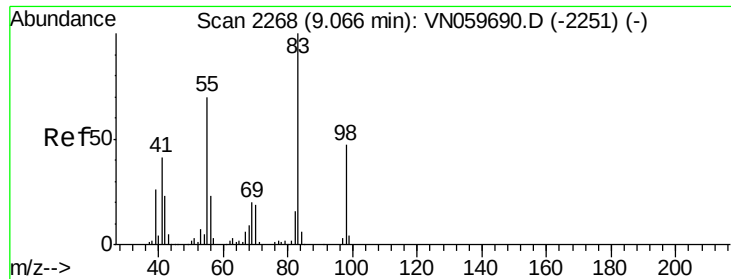
Tot Ion: 43 Resp: 54390
Ion Ratio Lower Upper
43 100
61 14.0 10.9 16.3
70 10.6 7.7 11.5



#38
Carbon Tetrachloride
Concen: 19.715 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion: 117 Resp: 60493
Ion Ratio Lower Upper
117 100
119 96.0 76.5 114.7
121 30.2 25.1 37.7

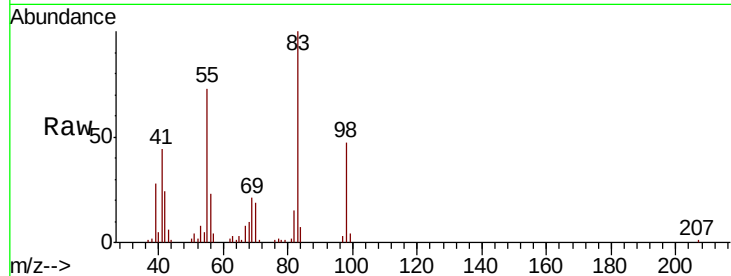




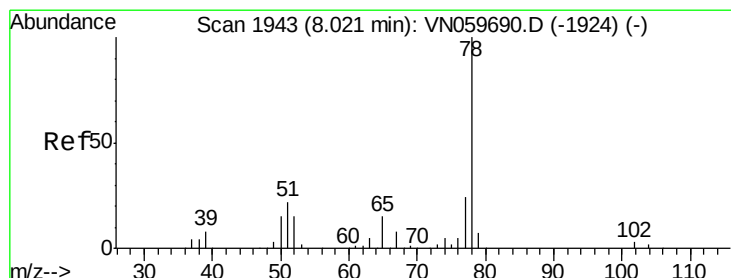
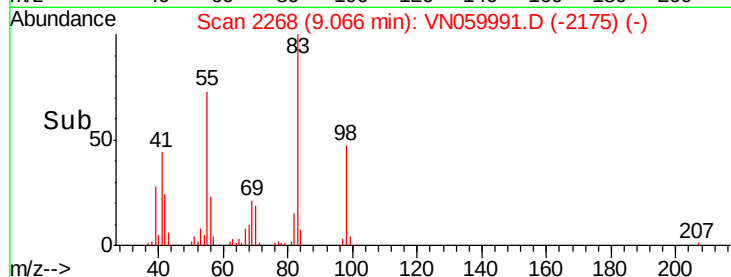
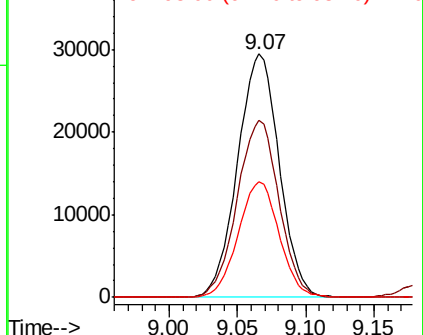
#39
Methylvlcyclohexane
Concen: 17.984 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

Tot Ion: 83 Resp: 62547
Ion Ratio Lower Upper
83 100
55 72.9 64.2 96.2
98 47.4 35.9 53.9

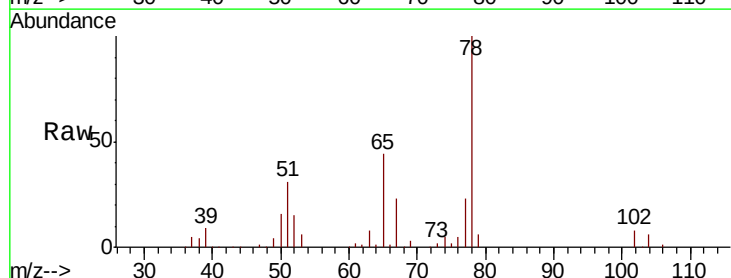


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

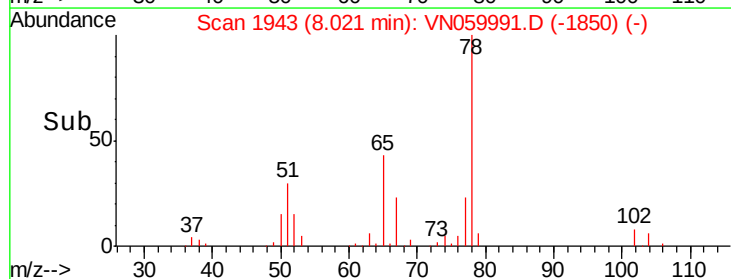
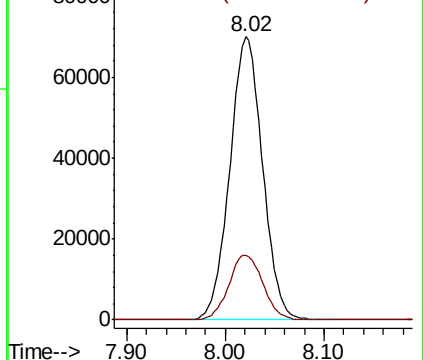


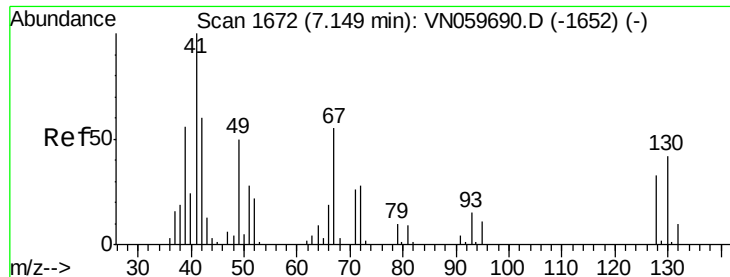
#40
Benzene
Concen: 19.262 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion: 78 Resp: 162040
Ion Ratio Lower Upper
78 100
77 22.9 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

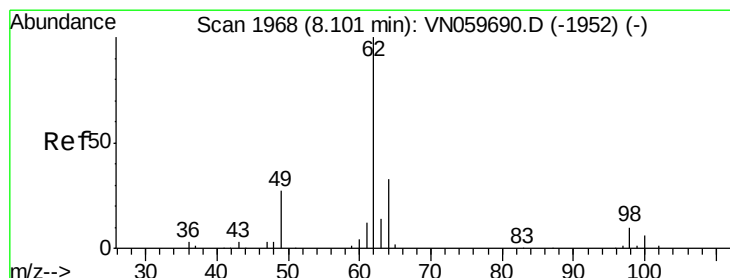
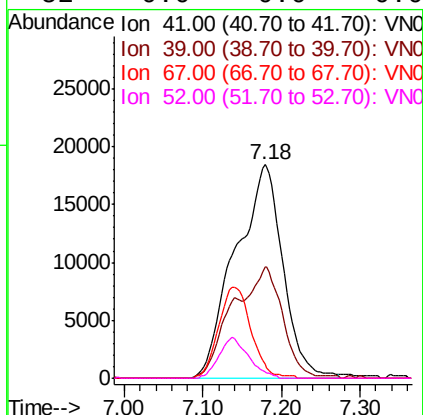
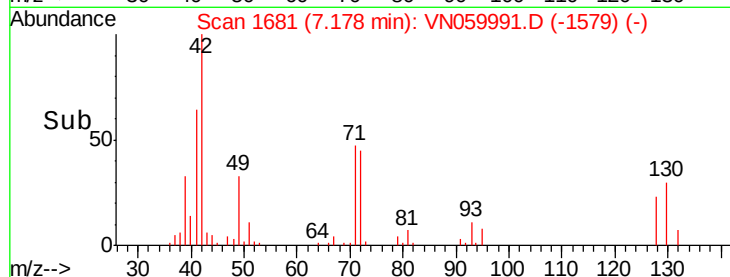
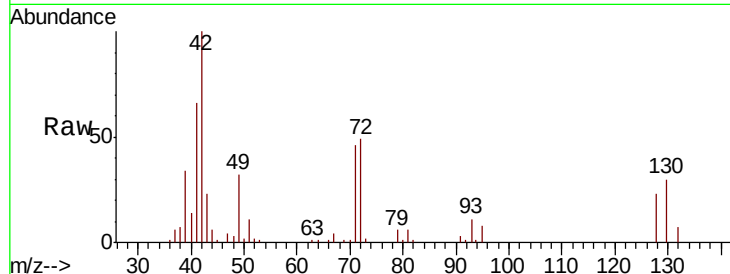




#41
Methacrylonitrile
Concen: 59.970 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

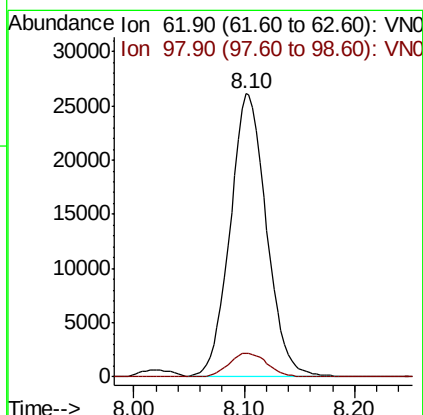
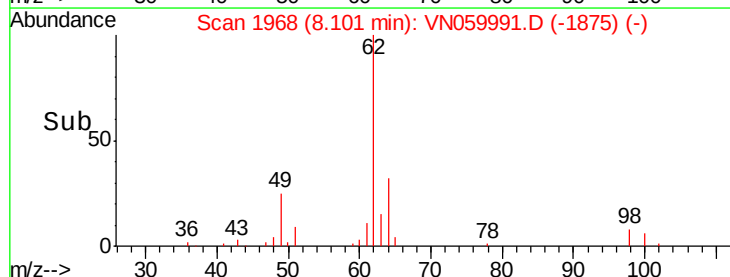
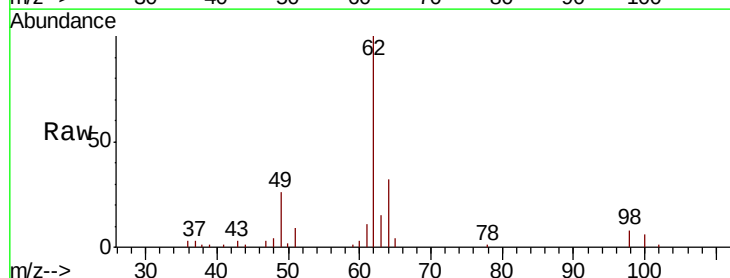
Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

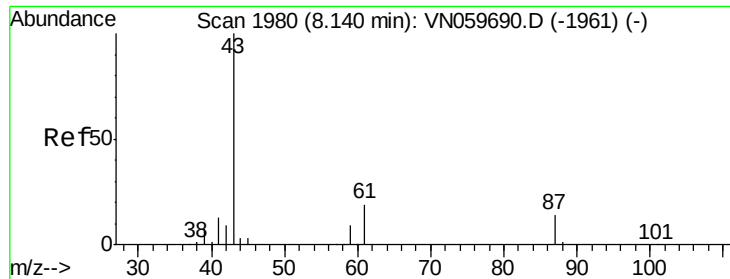
Tot Ion:	41	Resp:	78145
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 20.960 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion:	62	Resp:	59783
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	15.8





#43

Isopropyl Acetate

Concen: 20.213 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

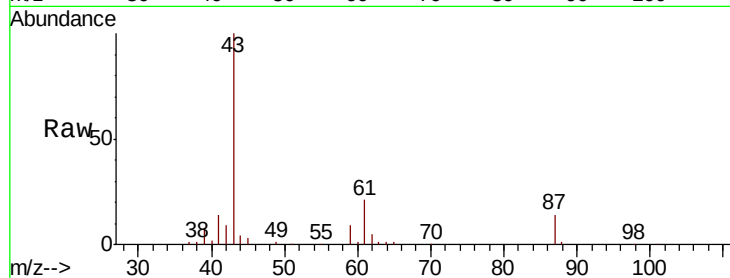
Tot Ion: 43 Resp: 91979

Ion Ratio Lower Upper

43 100

61 28.0 20.2 30.2

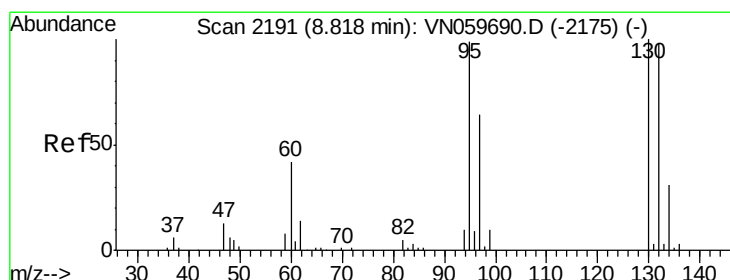
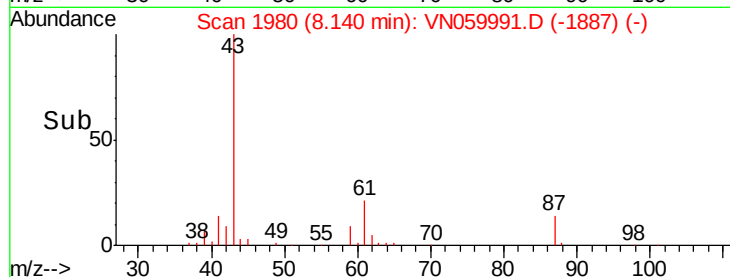
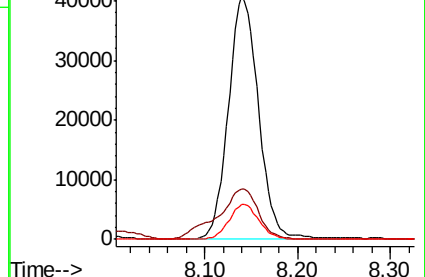
87 14.1 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN059991.D (-1961) (-)

Ion 61.00 (60.70 to 61.70): VN059991.D (-1961) (-)

Ion 87.00 (86.70 to 87.70): VN059991.D (-1961) (-)



#44

Trichloroethene

Concen: 19.807 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059991.D

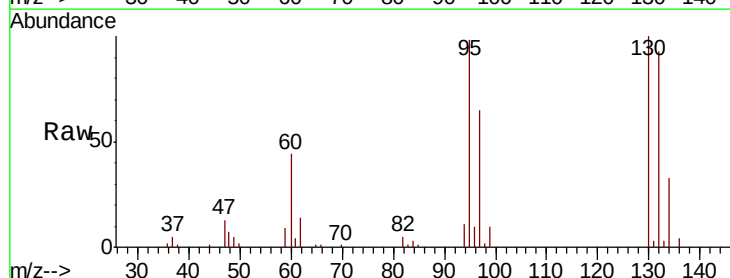
Acq: 4 Feb 2020 13:49

Tgt Ion:130 Resp: 45487

Ion Ratio Lower Upper

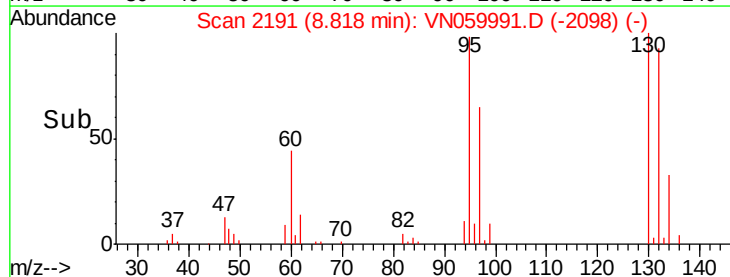
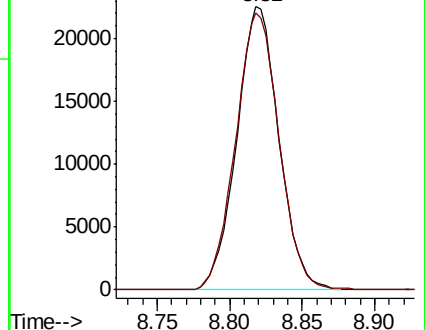
130 100

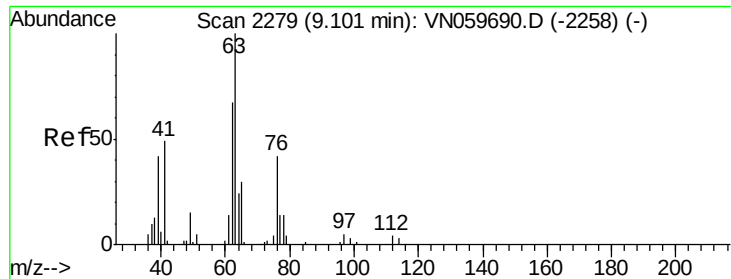
95 98.0 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VN059991.D (-2191) (-)

Ion 94.90 (94.60 to 95.60): VN059991.D (-2191) (-)

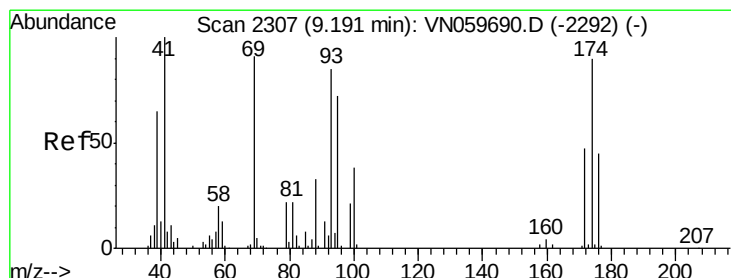
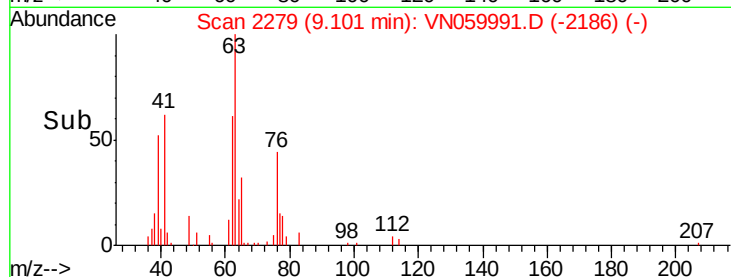
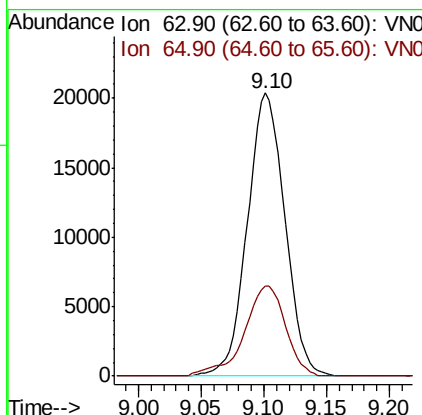
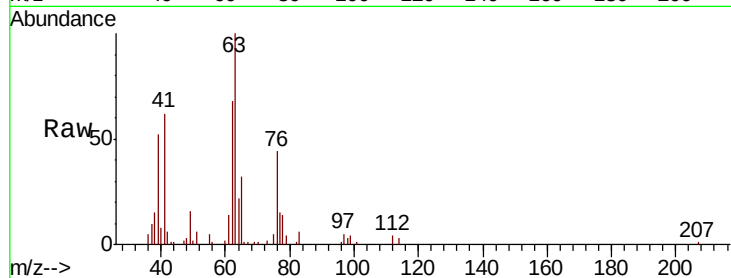




#45
 1,2-Dichloropropane
 Concen: 20.401 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

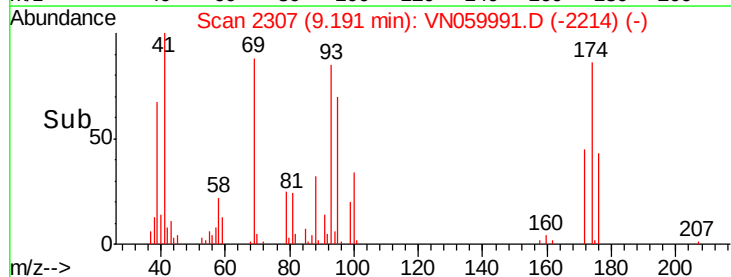
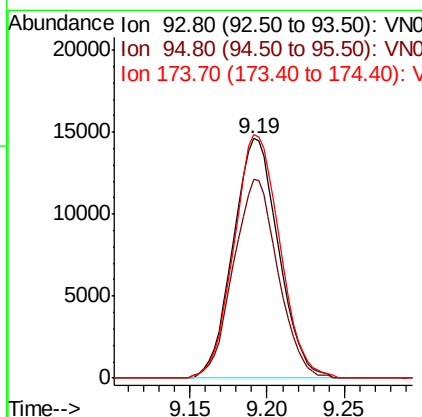
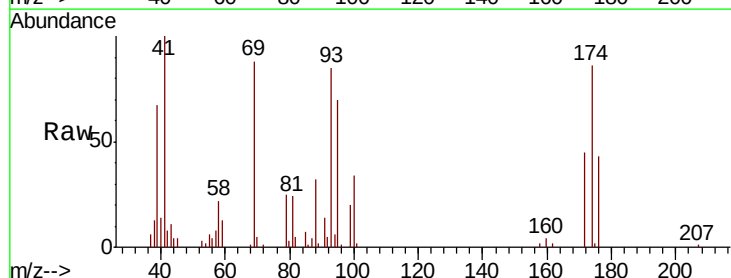
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBSD01

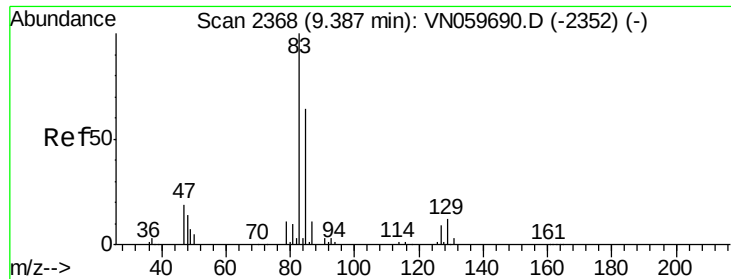
Tot Ion: 63 Resp: 42468
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.9 37.3



#46
 Dibromomethane
 Concen: 20.366 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

Tgt Ion: 93 Resp: 29905
 Ion Ratio Lower Upper
 93 100
 95 81.1 67.0 100.6
 174 102.2 73.4 110.2





#47

Bromodichloromethane

Concen: 20.389 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

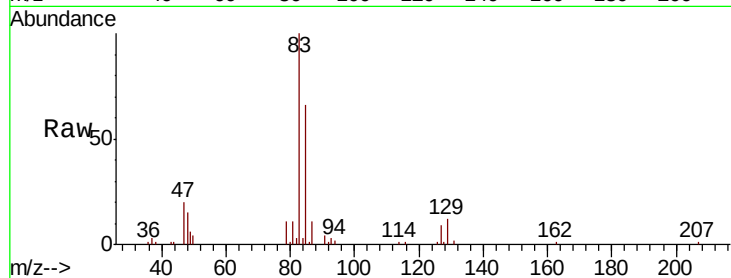
Tot Ion: 83 Resp: 60333

Ion Ratio Lower Upper

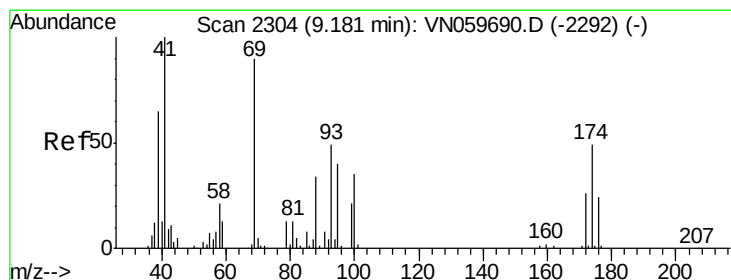
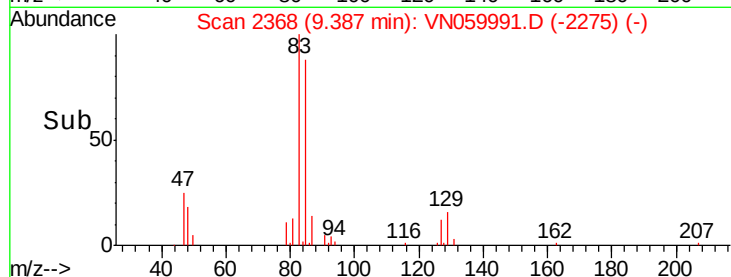
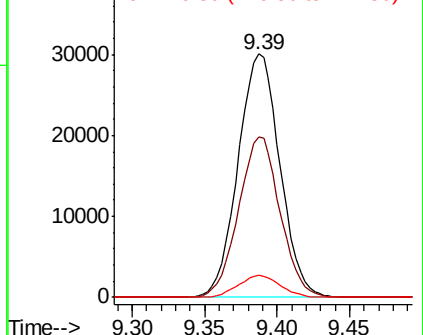
83 100

85 66.1 51.1 76.7

127 9.1 6.6 9.8



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: 19.318 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

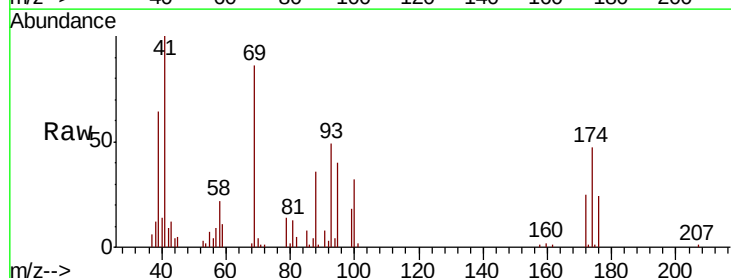
Tgt Ion: 41 Resp: 39320

Ion Ratio Lower Upper

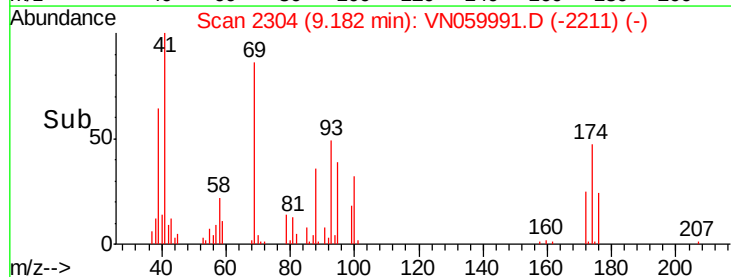
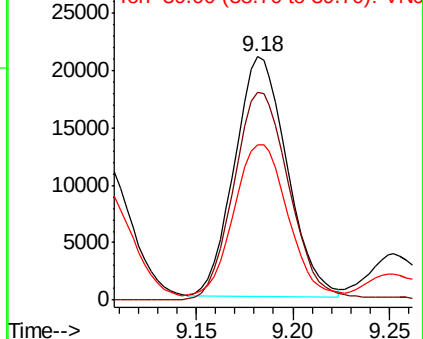
41 100

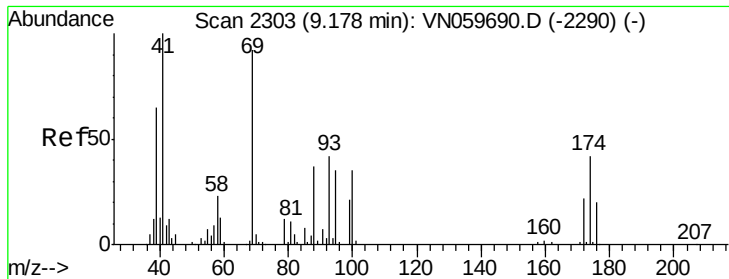
69 92.0 64.4 96.6

39 68.9 51.3 76.9



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

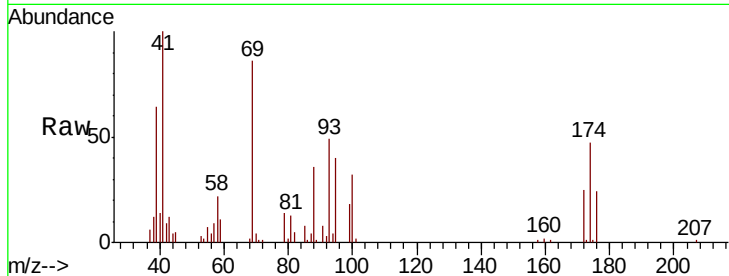




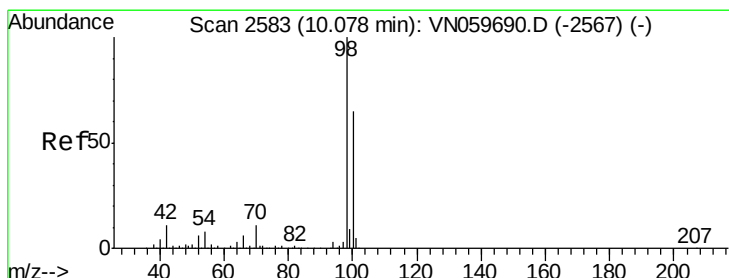
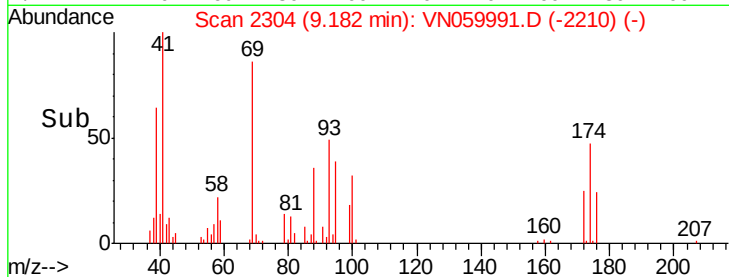
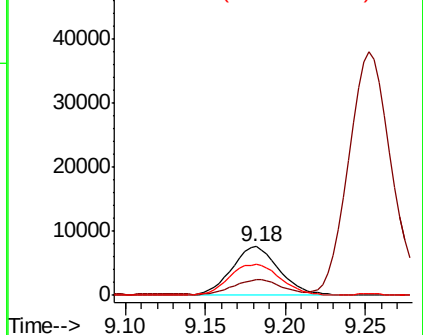
#49
1,4-Dioxane
Concen: 411.773 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

Tot Ion: 88 Resp: 15343
Ion Ratio Lower Upper
88 100
43 33.8 29.7 44.5
58 68.6 56.6 85.0

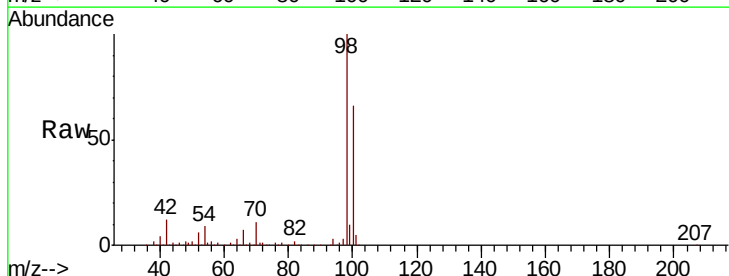


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

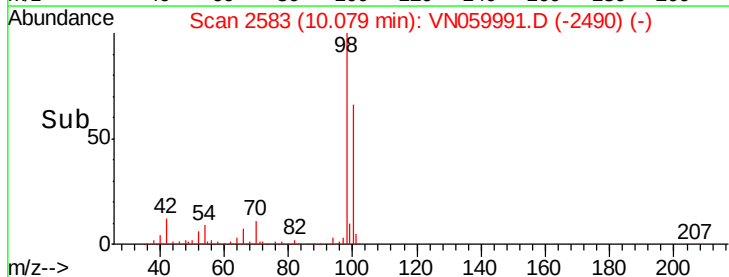
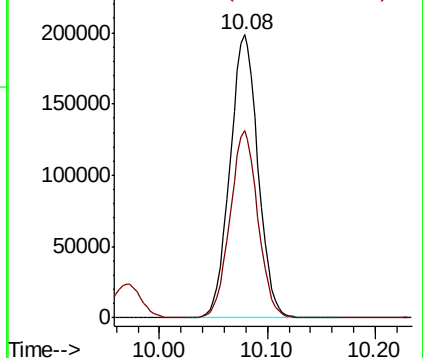


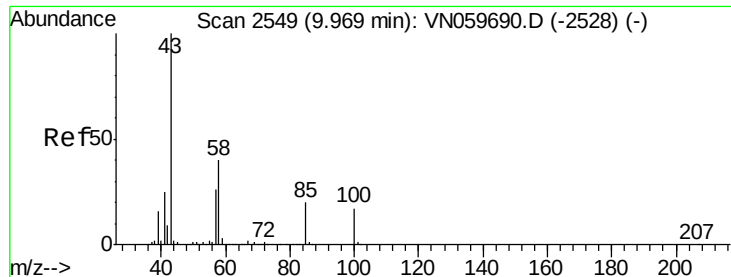
#50
Toluene-d8
Concen: 48.139 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion: 98 Resp: 360267
Ion Ratio Lower Upper
98 100
100 65.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

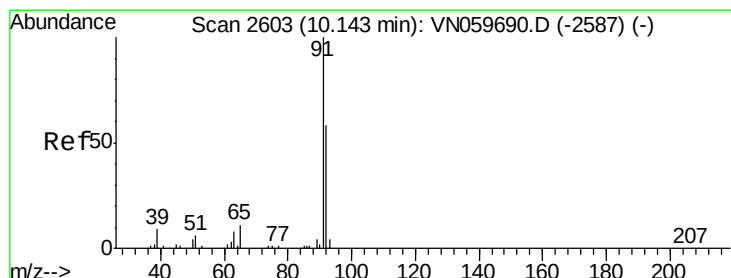
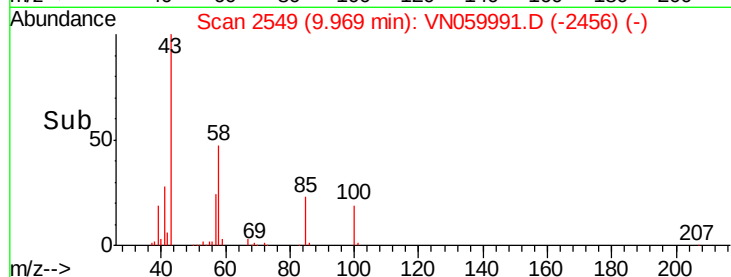
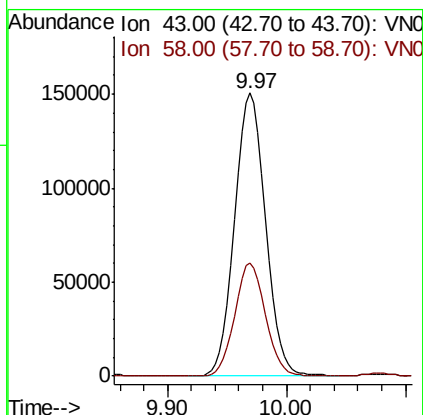
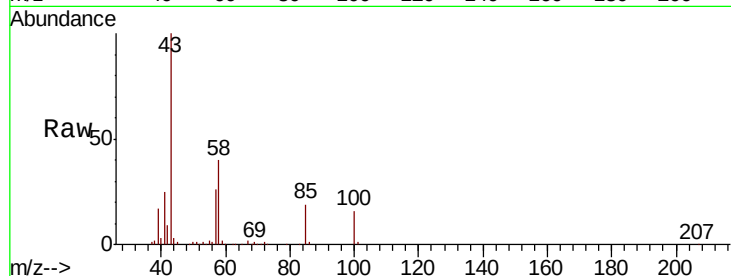




#51
 4-Methyl-2-Pentanone
 Concen: 103.460 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

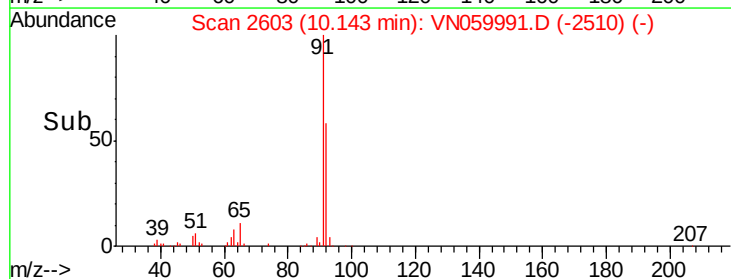
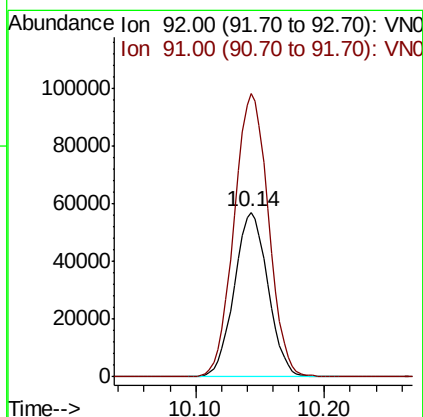
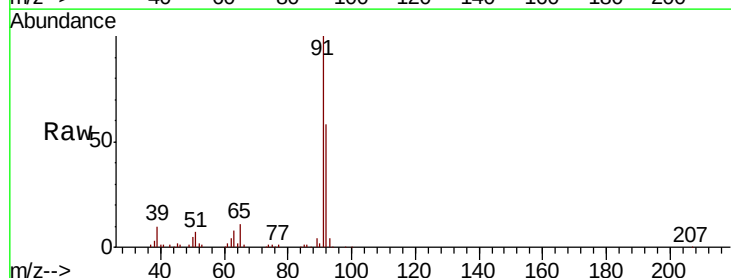
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBSD01

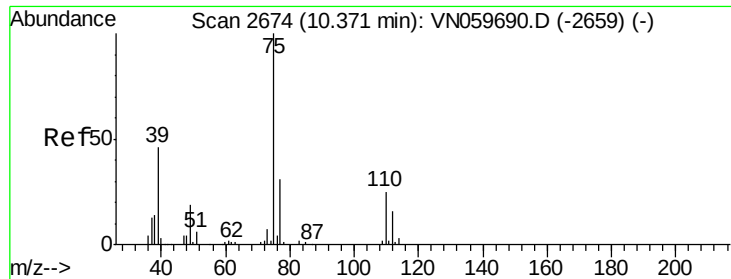
Tot Ion: 43 Resp: 272149
 Ion Ratio Lower Upper
 43 100
 58 39.6 29.8 44.8



#52
 Toluene
 Concen: 19.506 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

Tgt Ion: 92 Resp: 103646
 Ion Ratio Lower Upper
 92 100
 91 175.1 140.4 210.6

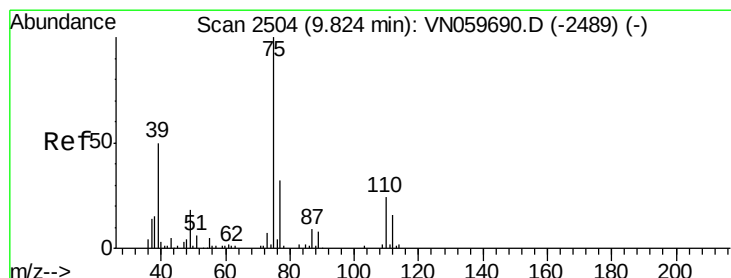
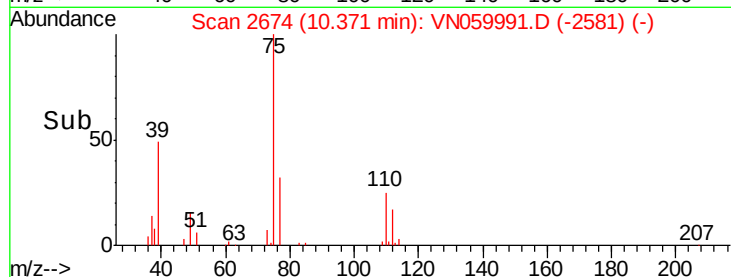
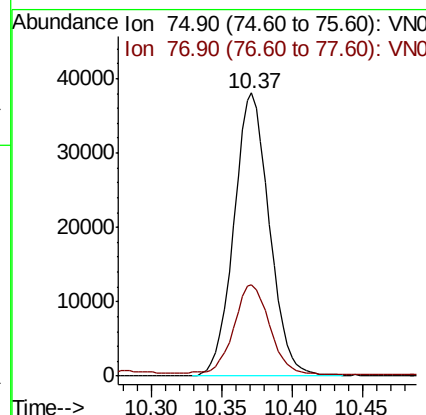
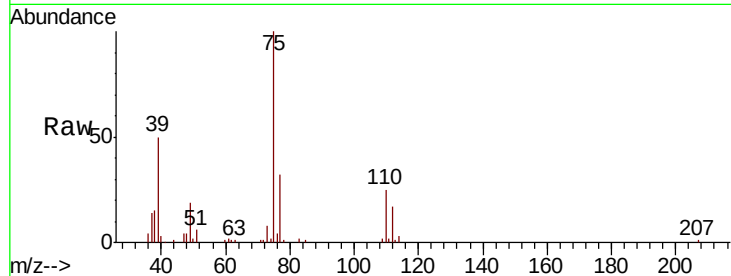




#53
t-1,3-Dichloropropene
Concen: 20.308 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

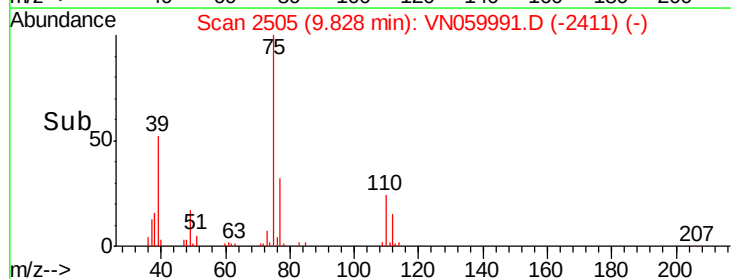
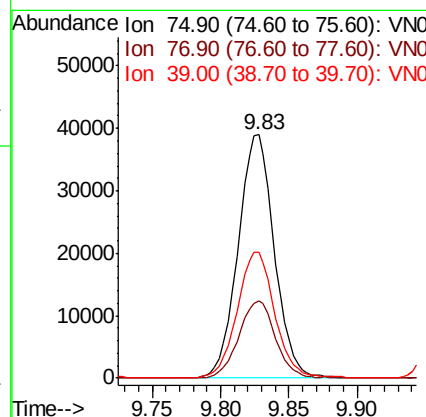
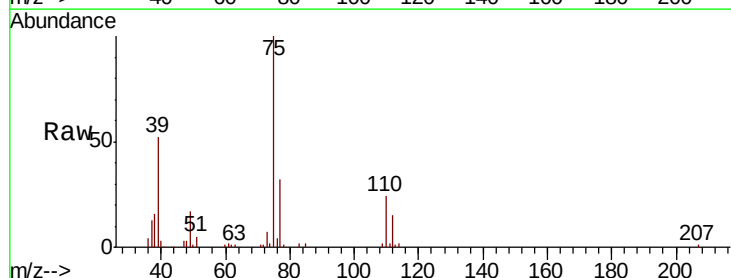
Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

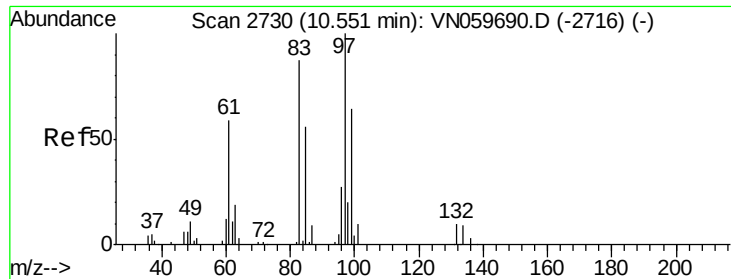
Tot Ion: 75 Resp: 67098
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 20.618 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion: 75 Resp: 71677
Ion Ratio Lower Upper
75 100
77 31.9 25.1 37.7
39 51.7 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 20.753 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

Tot Ion: 97 Resp: 43675

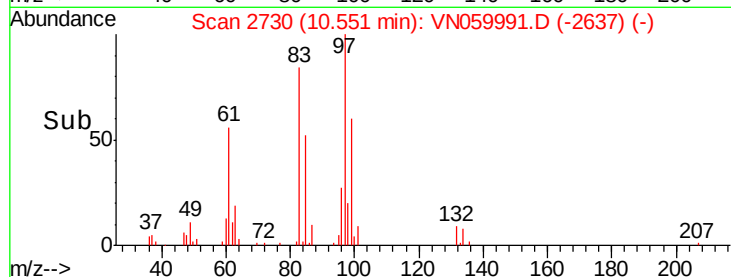
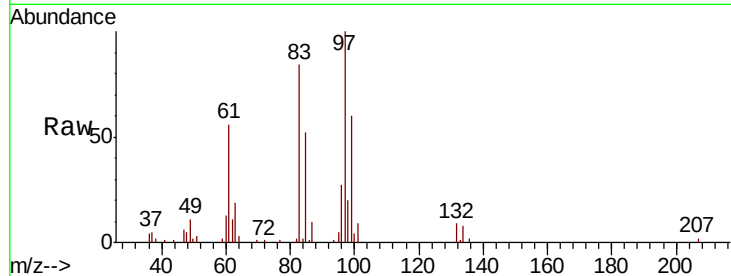
Ion	Ratio	Lower	Upper
97	100		
83	84.3	71.3	106.9
85	51.8	45.8	68.8
99	59.8	50.0	75.0

97 100

83 84.3 71.3 106.9

85 51.8 45.8 68.8

99 59.8 50.0 75.0

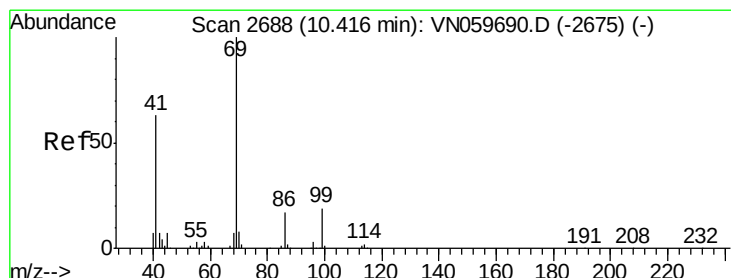
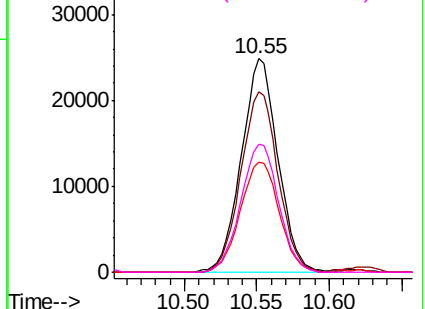


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 19.370 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

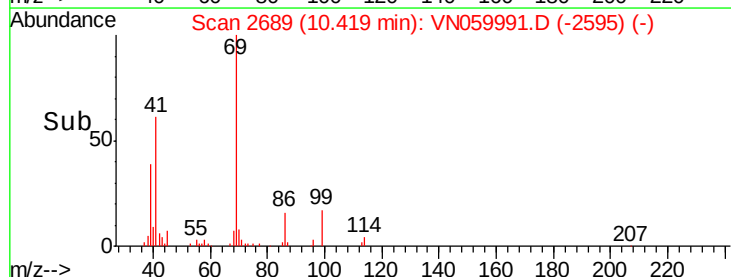
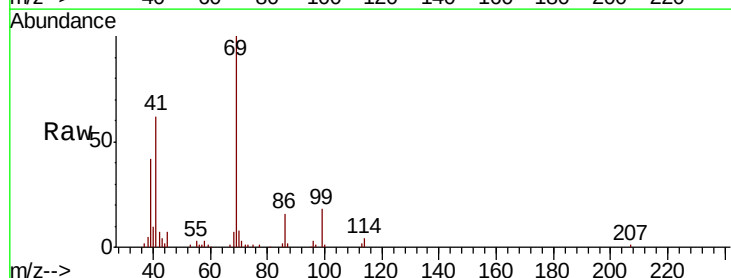
Tgt Ion: 69 Resp: 62286

Ion	Ratio	Lower	Upper
69	100		
41	63.1	57.1	85.7
39	41.3	34.7	52.1

69 100

41 63.1 57.1 85.7

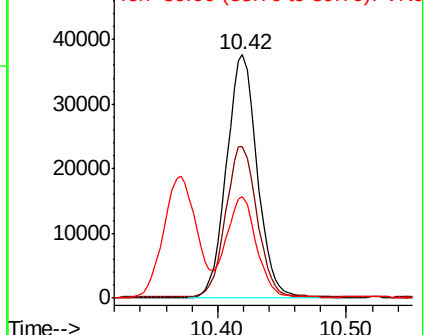
39 41.3 34.7 52.1

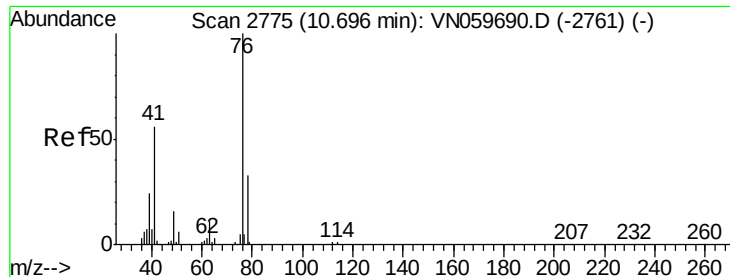


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.551 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

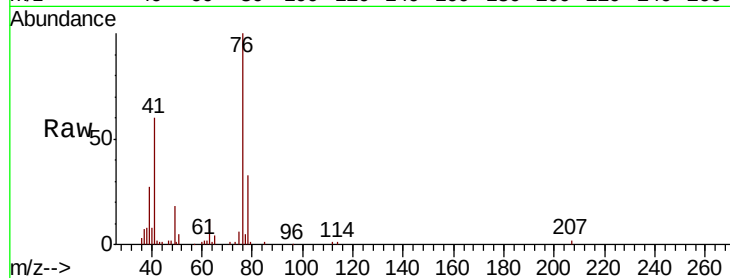
VN0204MBSD01

Tot Ion: 76 Resp: 68662

Ion Ratio Lower Upper

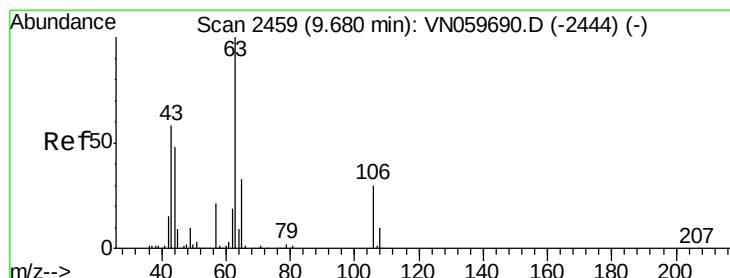
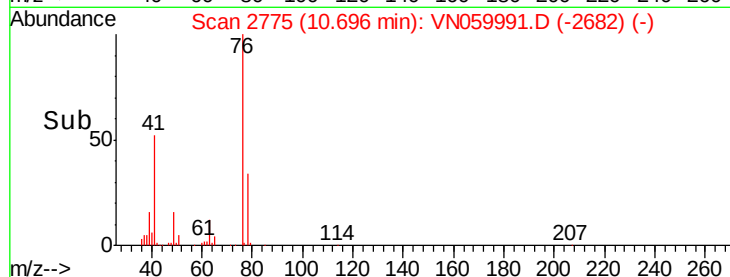
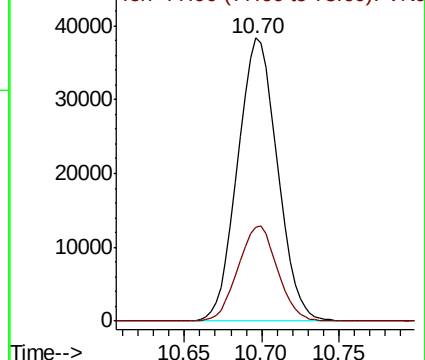
76 100

78 33.2 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 104.964 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059991.D

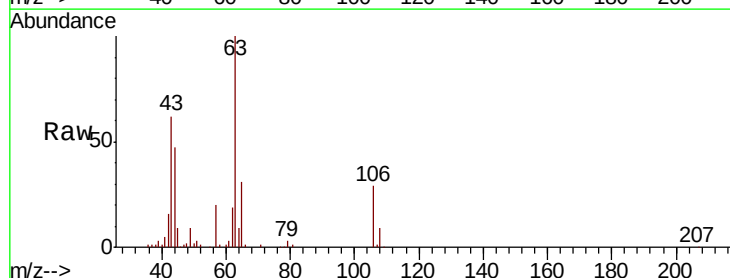
Acq: 4 Feb 2020 13:49

Tgt Ion: 63 Resp: 101664

Ion Ratio Lower Upper

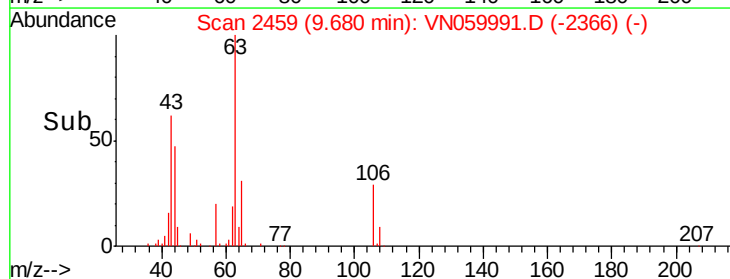
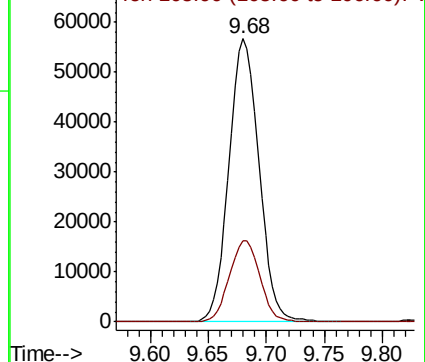
63 100

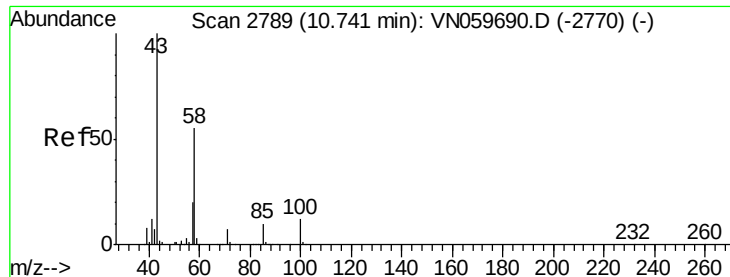
106 28.9 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

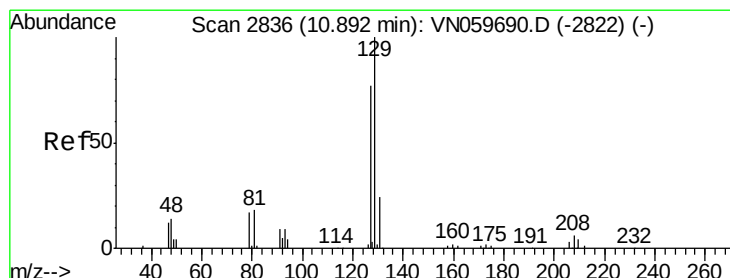
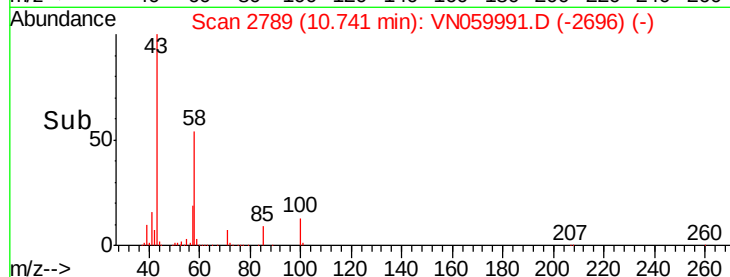
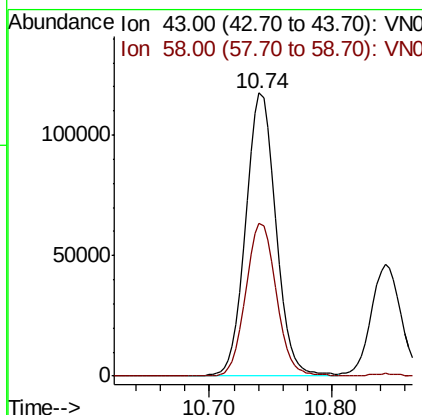
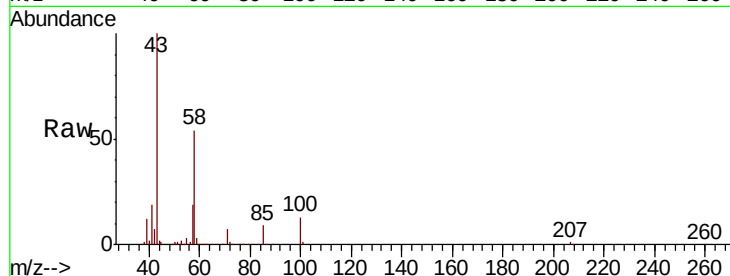




#59
2-Hexanone
Concen: 103.264 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

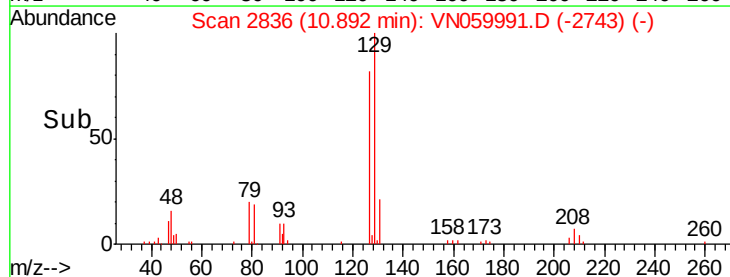
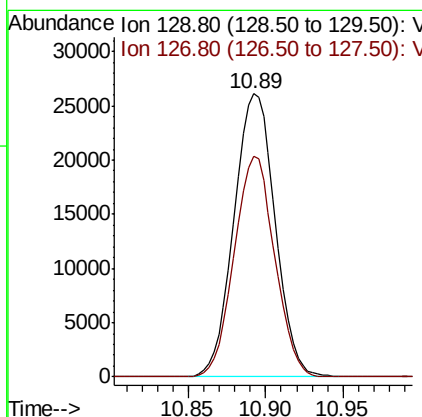
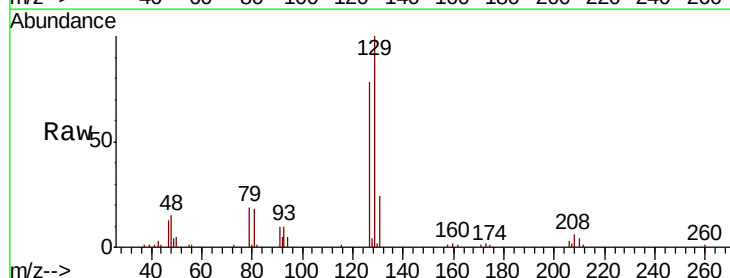
Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

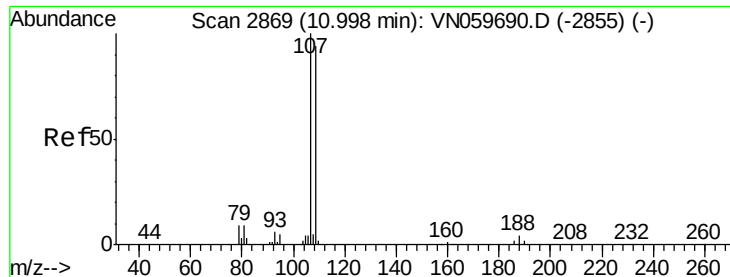
Tot Ion: 43 Resp: 200112
Ion Ratio Lower Upper
43 100
58 54.5 25.8 77.3



#60
Dibromochloromethane
Concen: 20.156 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion: 129 Resp: 48304
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.5

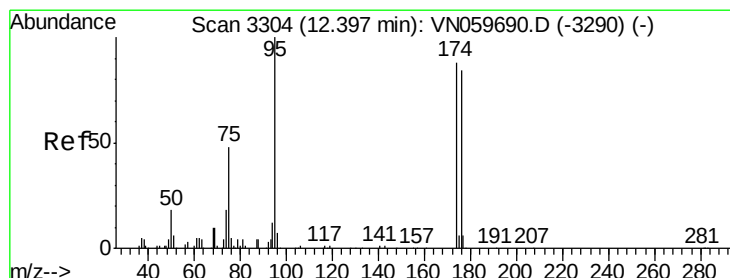
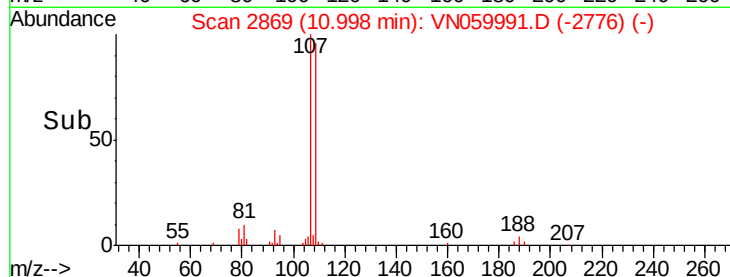
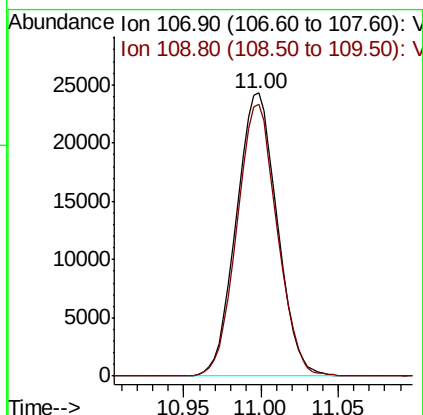
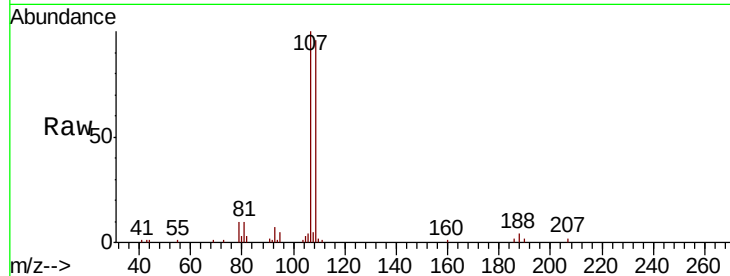




#61
 1,2-Dibromoethane
 Concen: 20.271 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

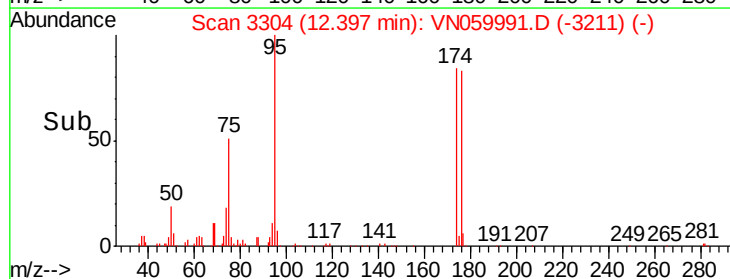
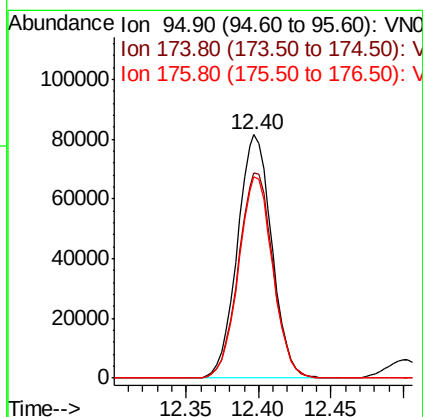
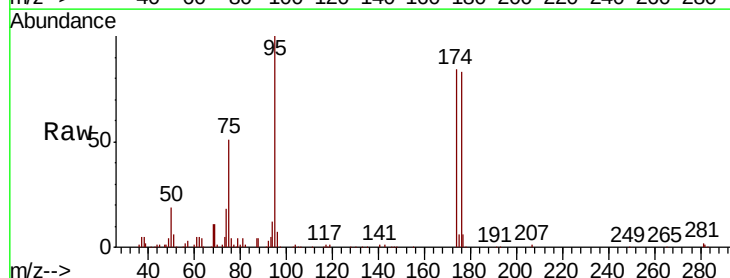
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBSD01

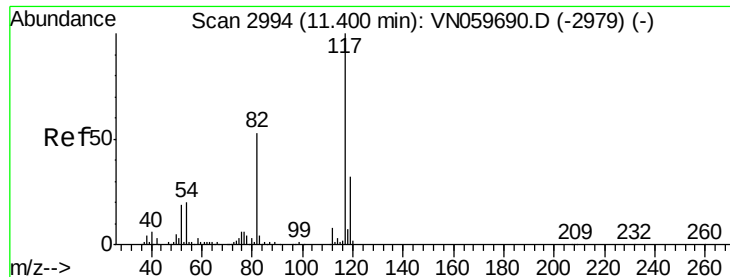
Tot Ion:107 Resp: 44712
 Ion Ratio Lower Upper
 107 100
 109 94.3 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 49.686 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059991.D
 Acq: 4 Feb 2020 13:49

Tgt Ion: 95 Resp: 134050
 Ion Ratio Lower Upper
 95 100
 174 84.8 0.0 151.4
 176 82.3 0.0 146.0

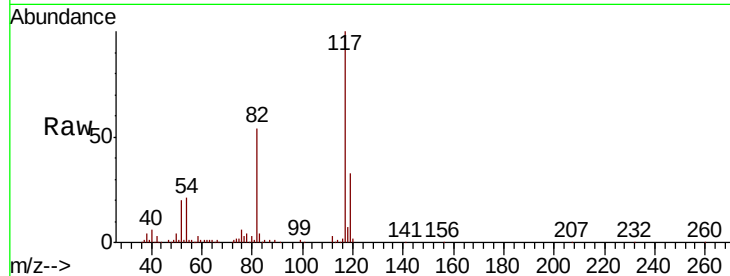




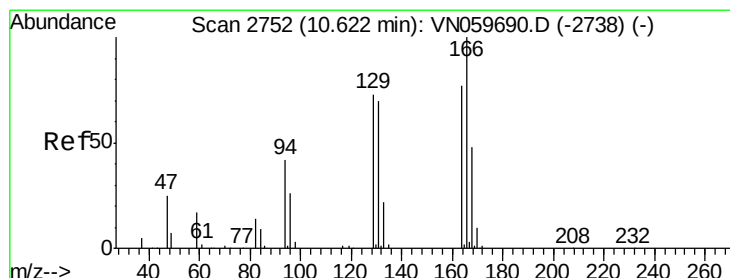
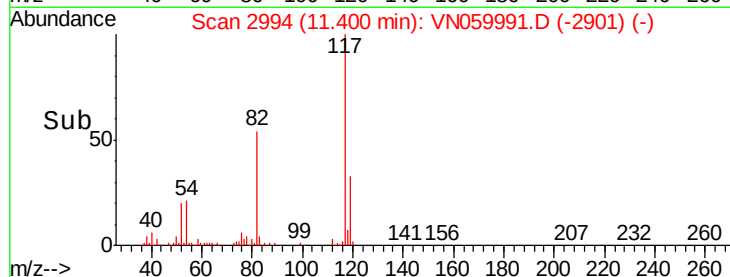
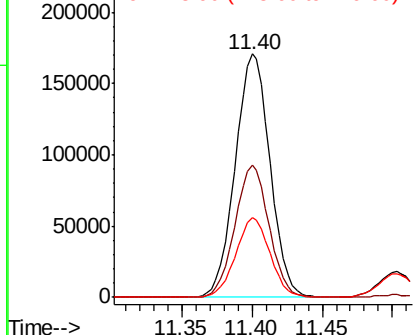
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

Tot Ion:117 Resp: 295252
Ion Ratio Lower Upper
117 100
82 54.5 45.9 68.9
119 32.6 25.5 38.3

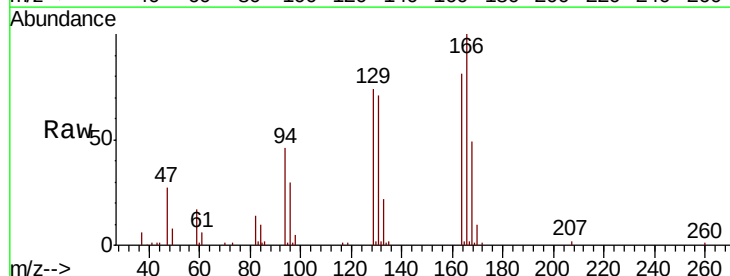


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

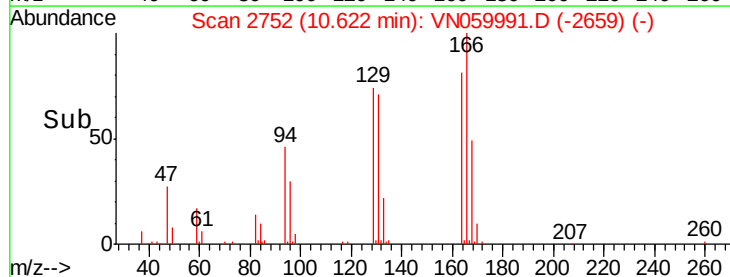
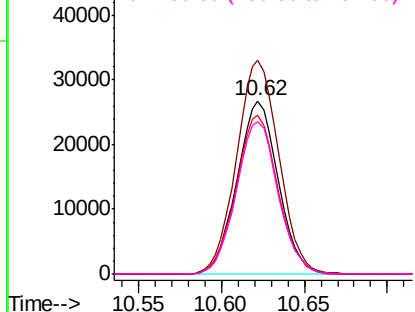


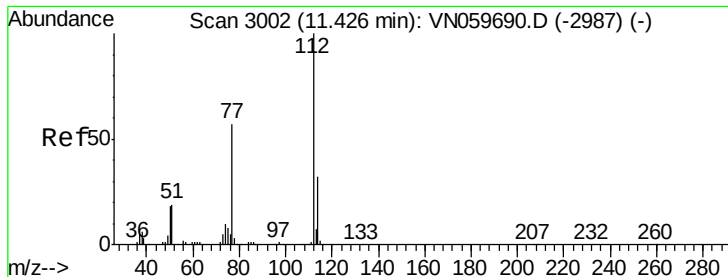
#64
Tetrachloroethene
Concen: 19.162 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion:164 Resp: 46111
Ion Ratio Lower Upper
164 100
166 123.4 101.4 152.0
129 91.4 80.2 120.4
131 88.1 75.0 112.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.796 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

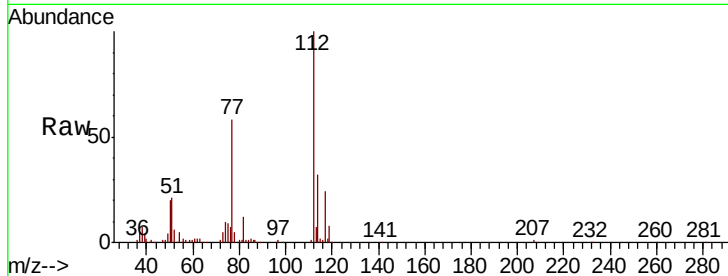
VN0204MBSD01

Tot Ion:112 Resp: 114881

Ion Ratio Lower Upper

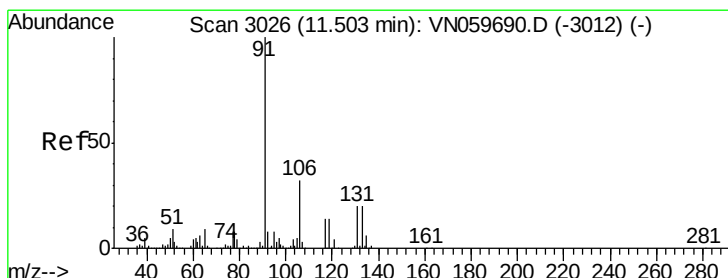
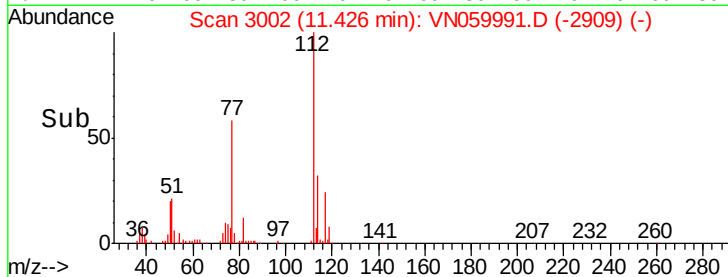
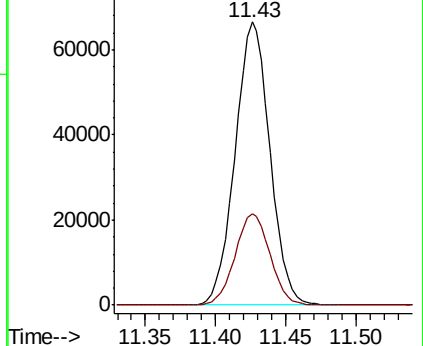
112 100

114 32.4 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.447 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

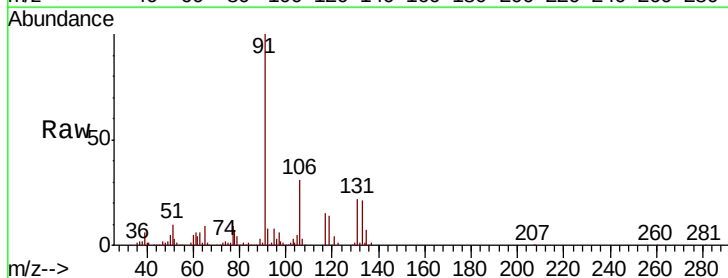
Tgt Ion:131 Resp: 45850

Ion Ratio Lower Upper

131 100

133 95.3 47.4 142.2

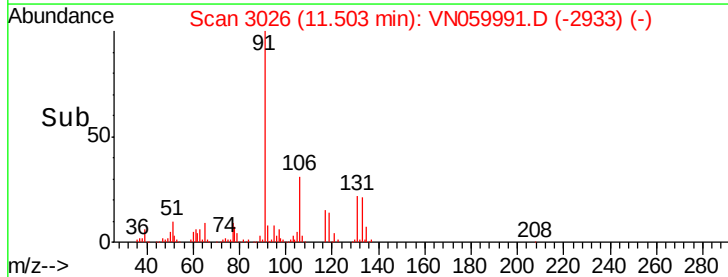
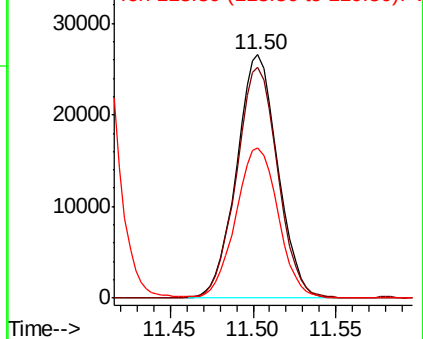
119 63.7 33.1 99.3

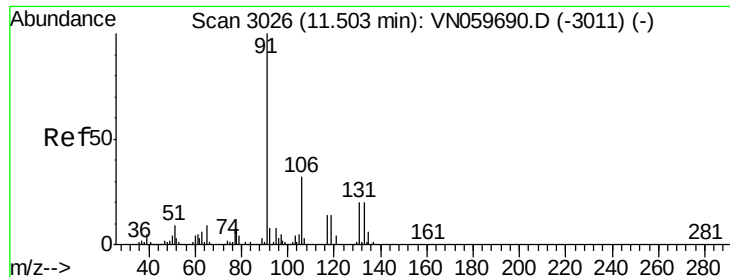


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.451 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

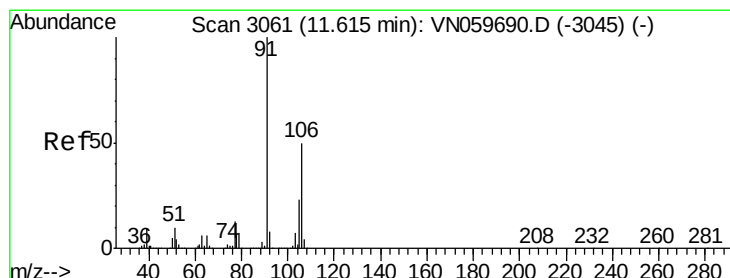
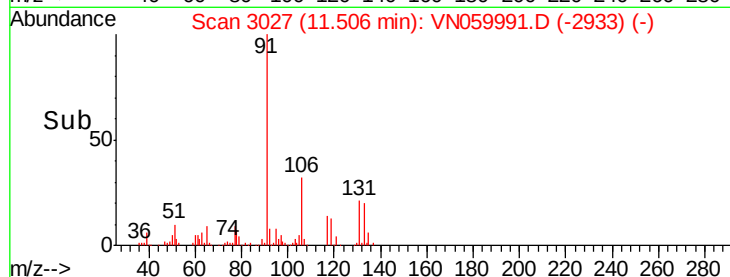
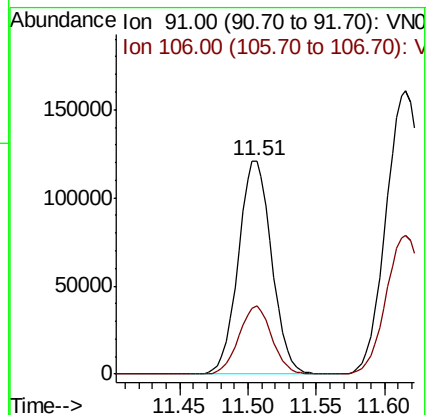
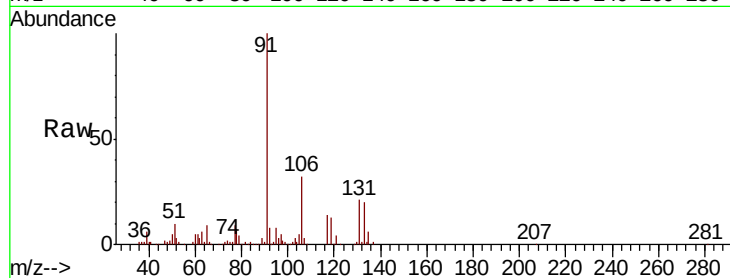
VN0204MBSD01

Tot Ion: 91 Resp: 204915

Ion Ratio Lower Upper

91 100

106 32.0 24.1 36.1



#68

m/p-Xylenes

Concen: 38.502 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059991.D

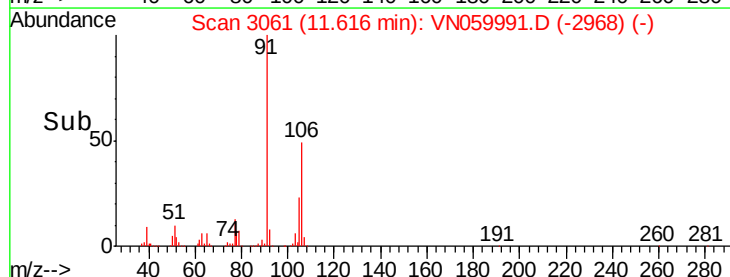
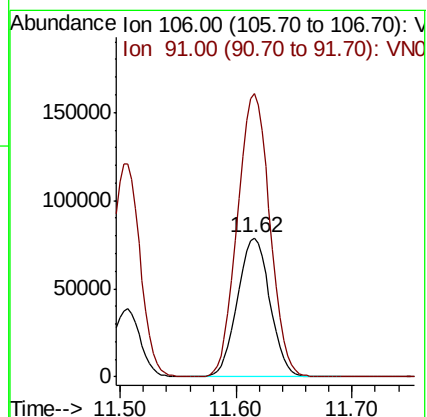
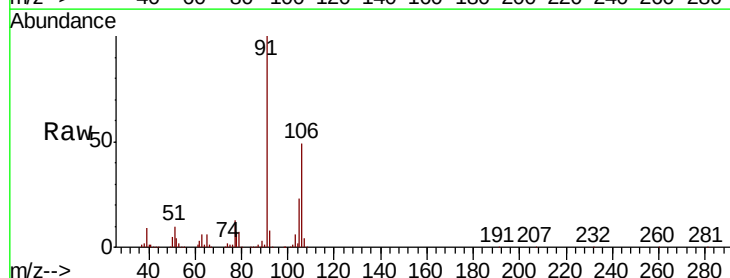
Acq: 4 Feb 2020 13:49

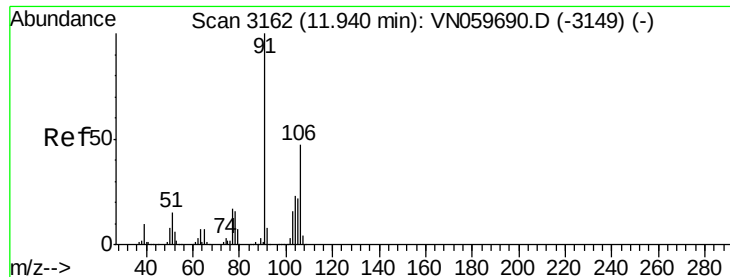
Tgt Ion: 106 Resp: 153217

Ion Ratio Lower Upper

106 100

91 203.1 167.9 251.9

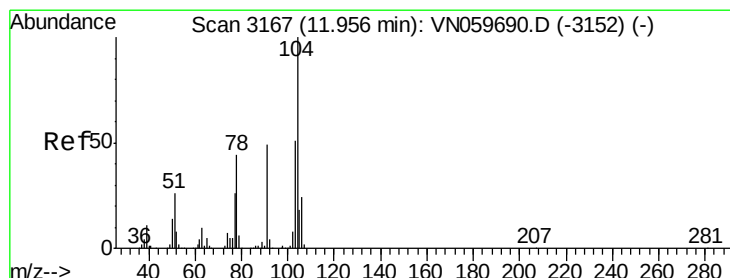
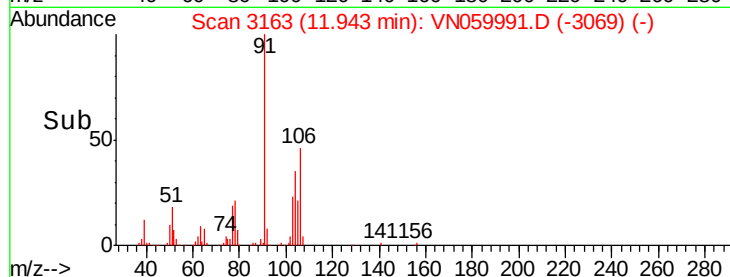
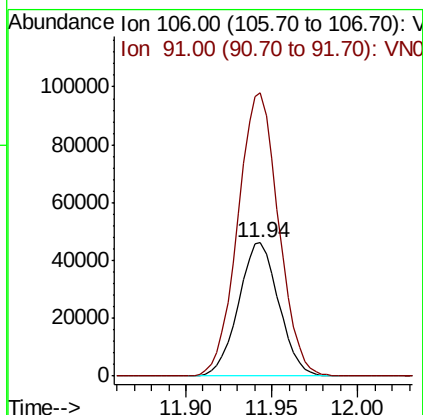
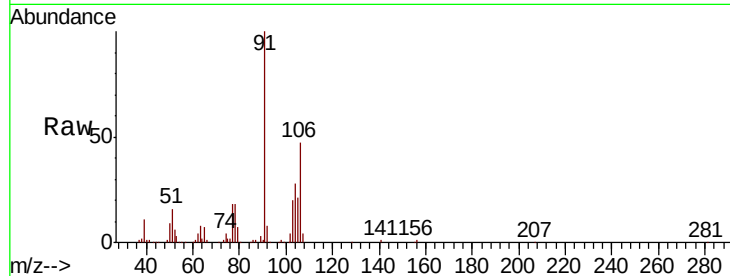




#69
o-Xylene
Concen: 19.352 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

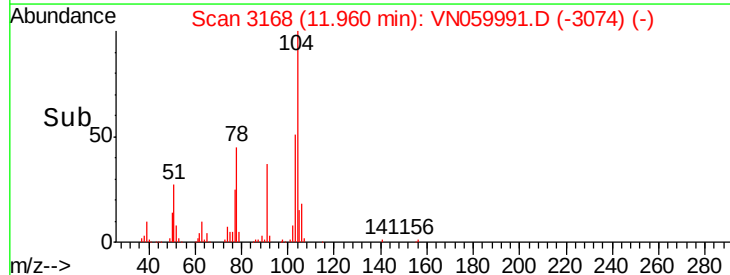
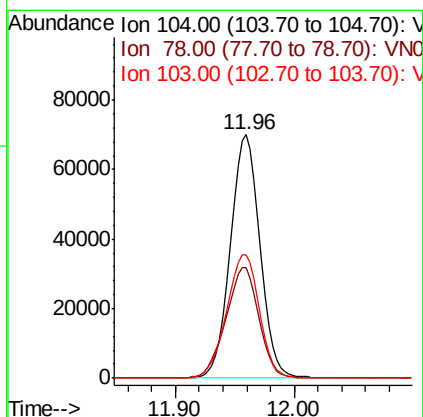
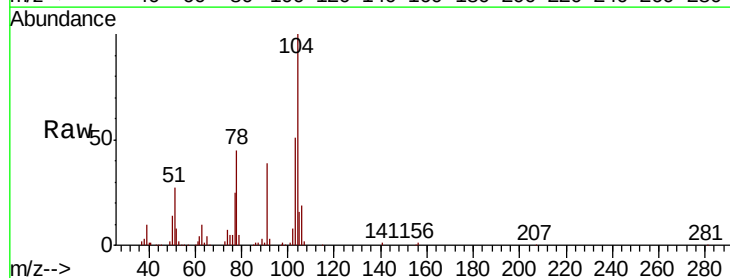
Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

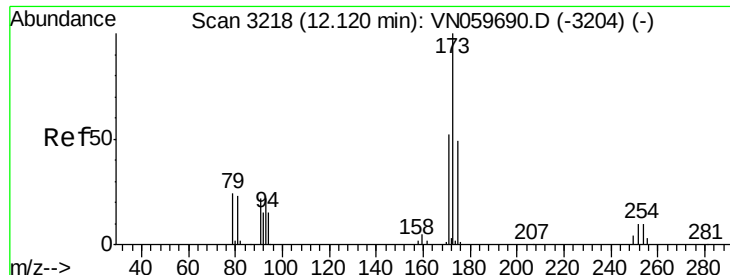
Tot Ion:106 Resp: 75395
Ion Ratio Lower Upper
106 100
91 214.3 110.3 330.9



#70
Styrene
Concen: 18.514 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion:104 Resp: 120697
Ion Ratio Lower Upper
104 100
78 50.6 42.4 63.6
103 56.2 43.9 65.9





#71

Bromoform

Concen: 20.009 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

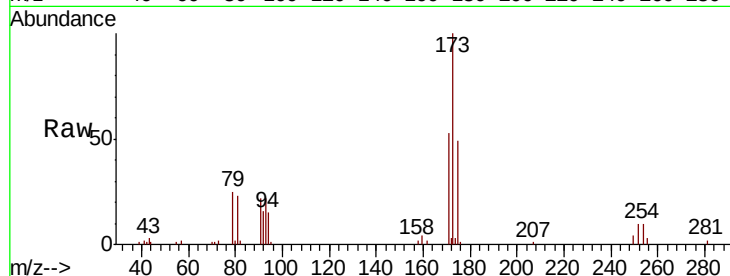
Tot Ion:173 Resp: 35940

Ion Ratio Lower Upper

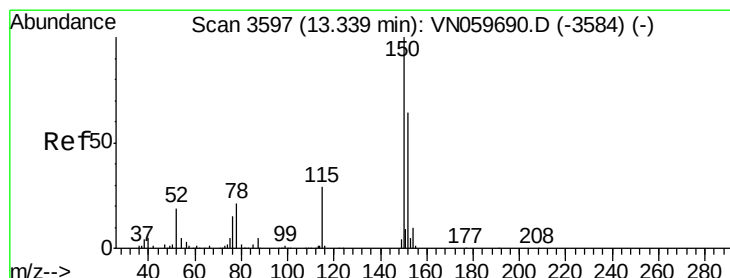
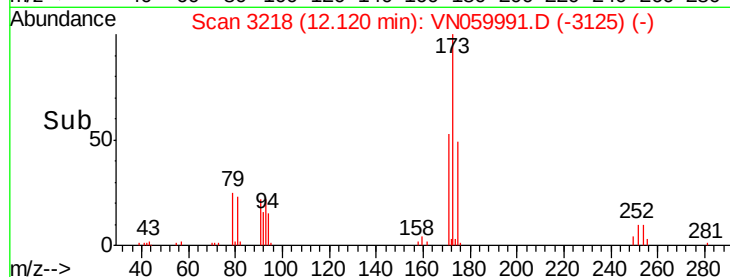
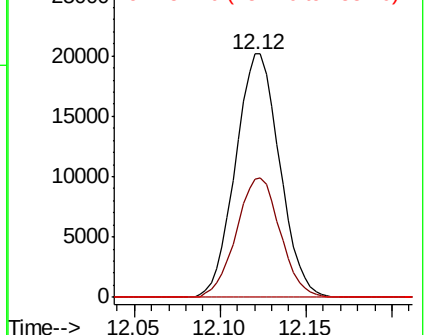
173 100

175 48.6 23.8 71.4

254 0.0 0.0 0.0



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: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

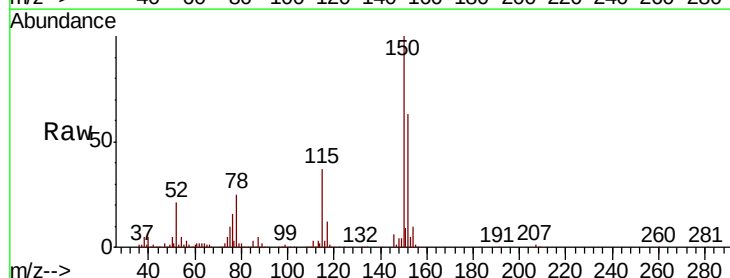
Tgt Ion:152 Resp: 140777

Ion Ratio Lower Upper

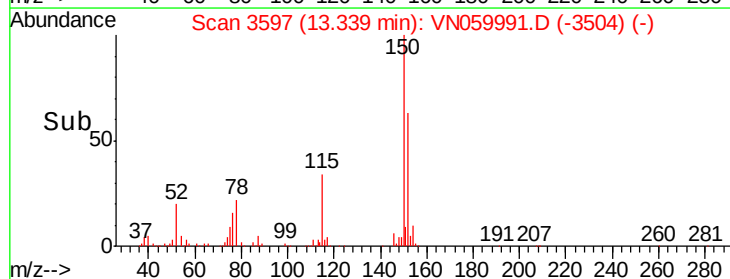
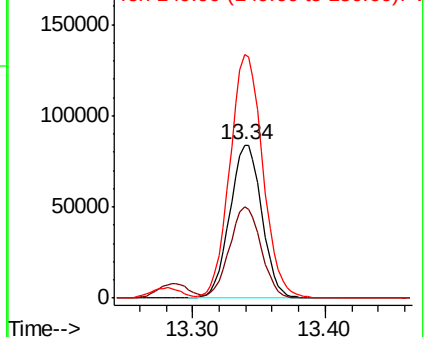
152 100

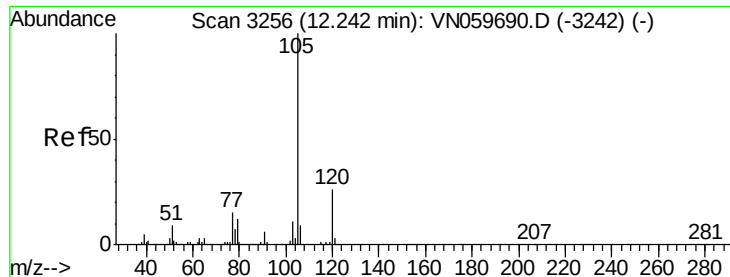
115 59.0 30.3 90.9

150 162.8 0.0 345.2



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: 19.748 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

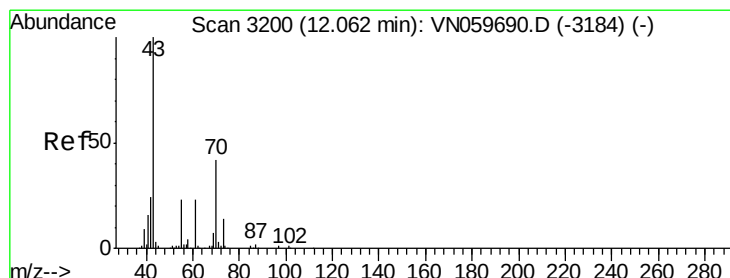
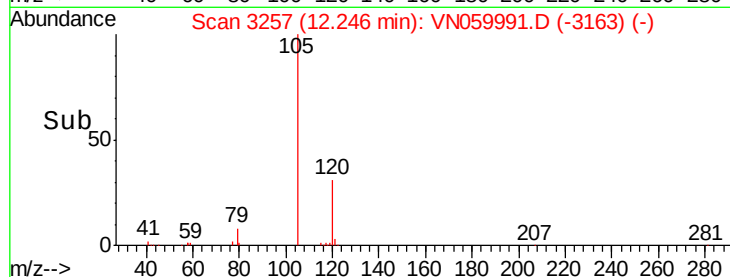
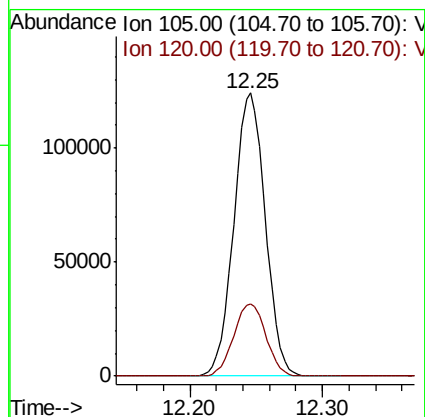
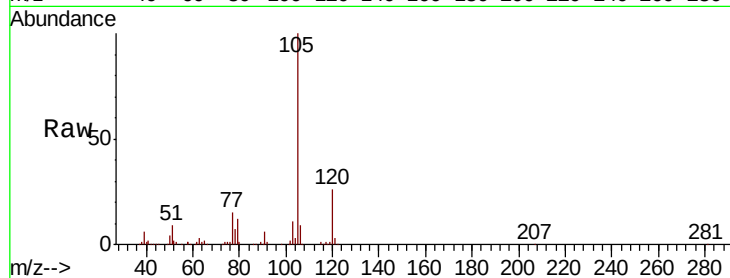
VN0204MBSD01

Tot Ion:105 Resp: 203889

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.5



#74

N-ethyl acetate

Concen: 19.291 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Tgt Ion: 43 Resp: 77283

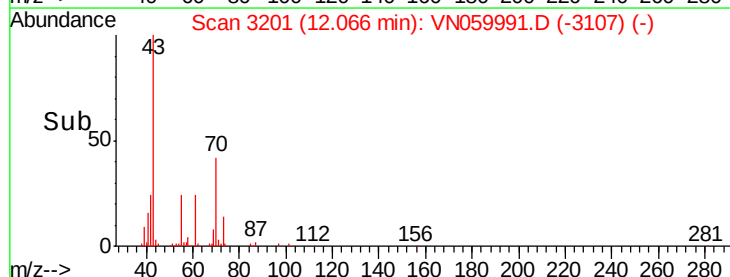
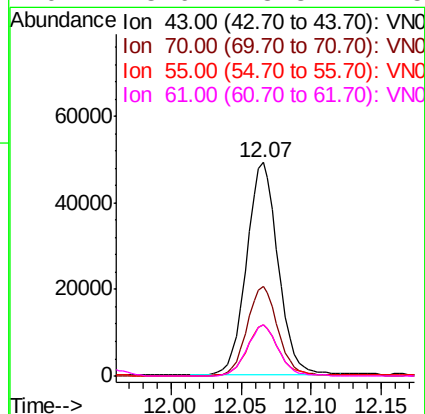
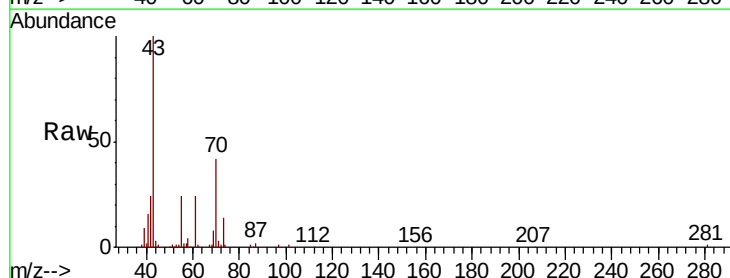
Ion Ratio Lower Upper

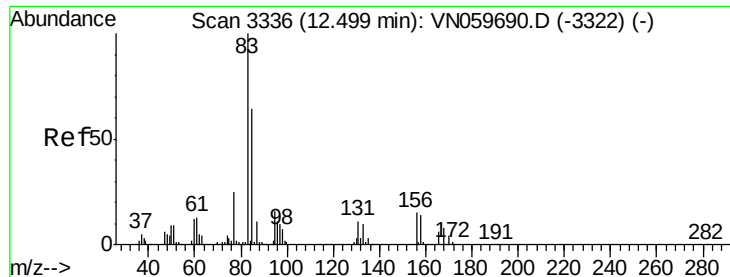
43 100

70 41.6 31.3 46.9

55 24.7 19.8 29.6

61 23.6 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.185 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

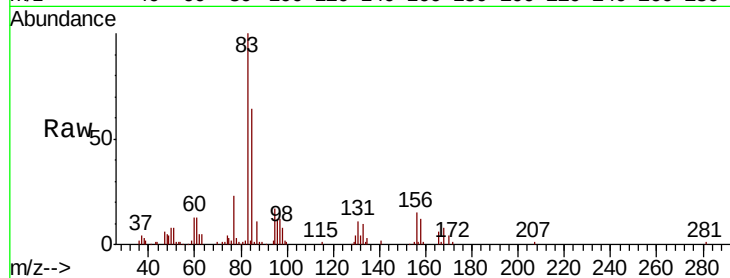
Tot Ion: 83 Resp: 60416

Ion Ratio Lower Upper

83 100

131 11.3 5.0 14.9

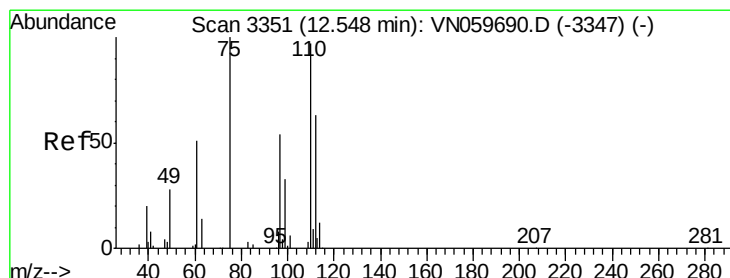
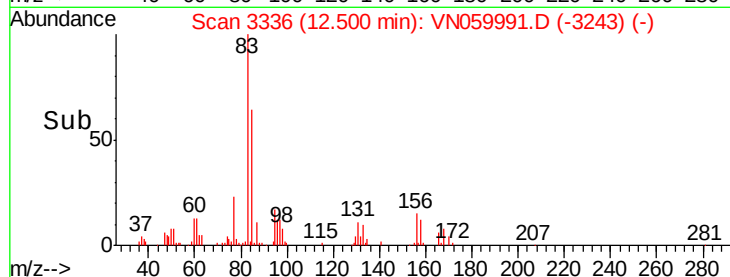
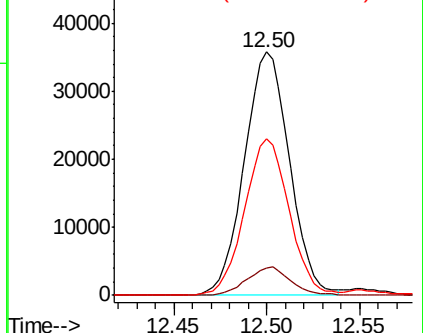
85 63.5 31.9 95.5



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: 35.211 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059991.D

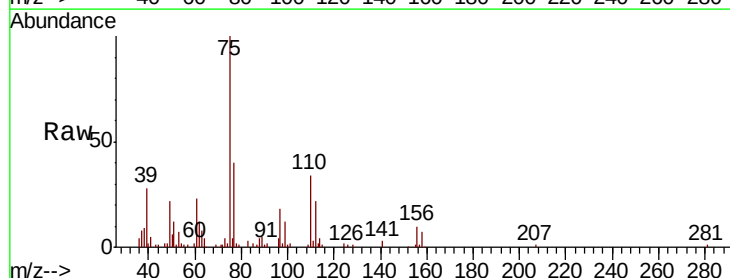
Acq: 4 Feb 2020 13:49

Tgt Ion: 75 Resp: 83420

Ion Ratio Lower Upper

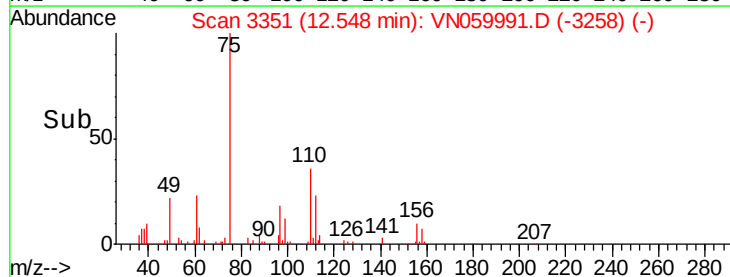
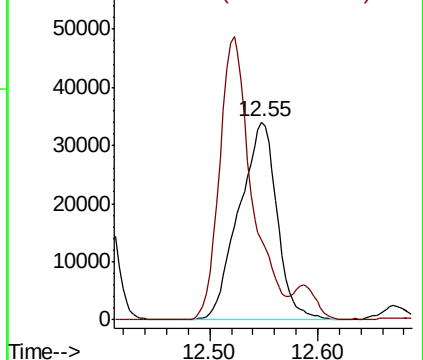
75 100

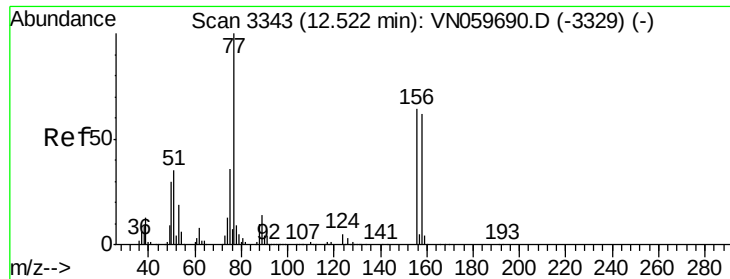
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.526 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

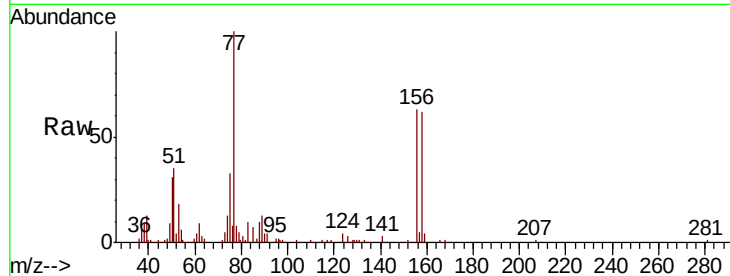
Tot Ion:156 Resp: 56280

Ion Ratio Lower Upper

156 100

77 179.7 115.8 347.4

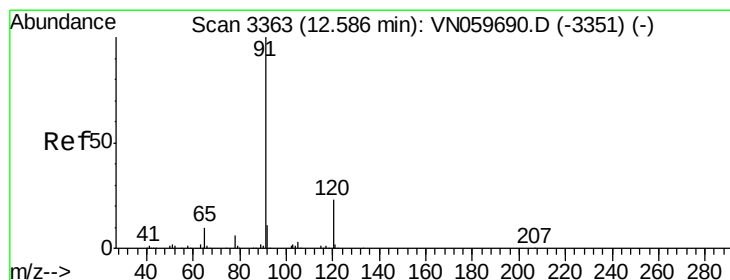
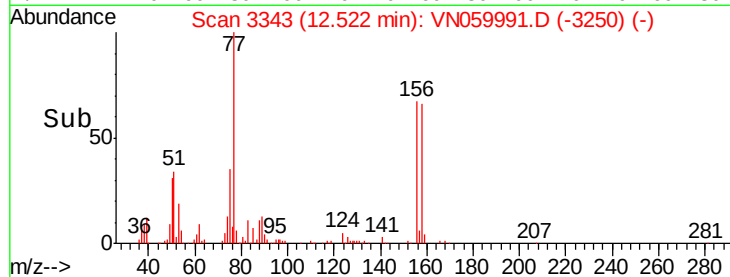
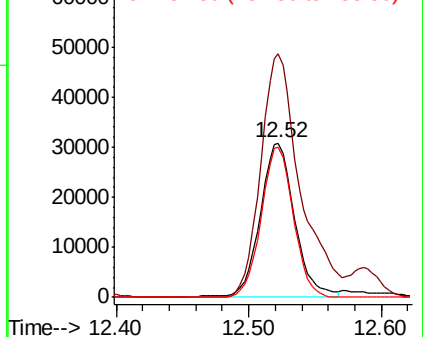
158 90.3 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.812 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059991.D

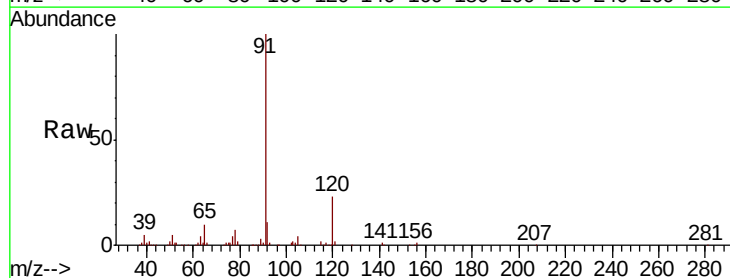
Acq: 4 Feb 2020 13:49

Tgt Ion: 91 Resp: 229588

Ion Ratio Lower Upper

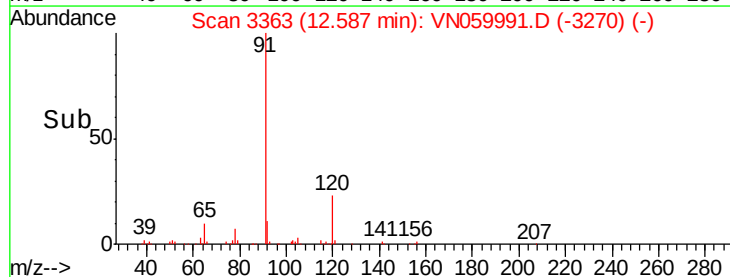
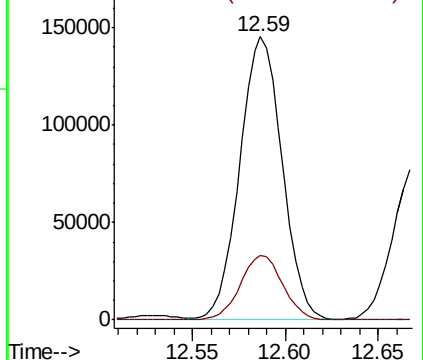
91 100

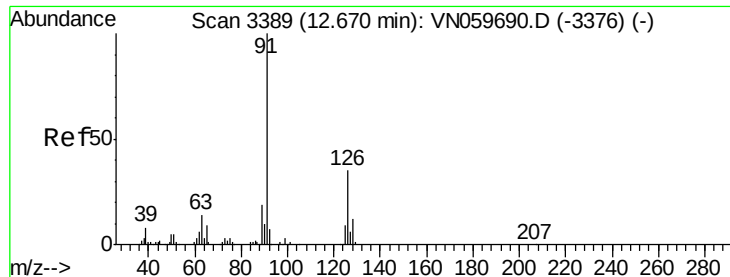
120 23.0 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.682 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

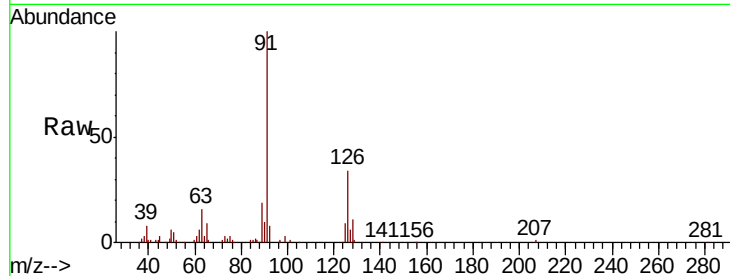
VN0204MBSD01

Tot Ion: 91 Resp: 135683

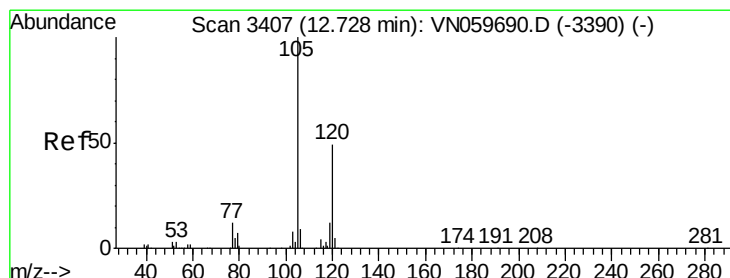
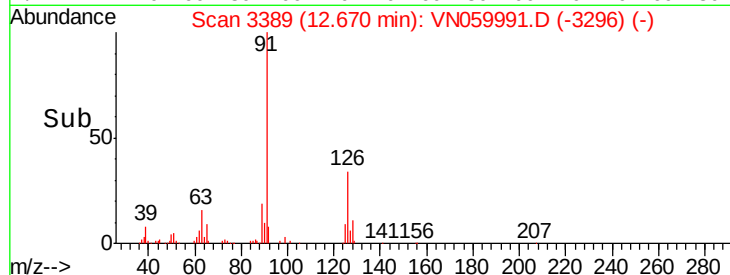
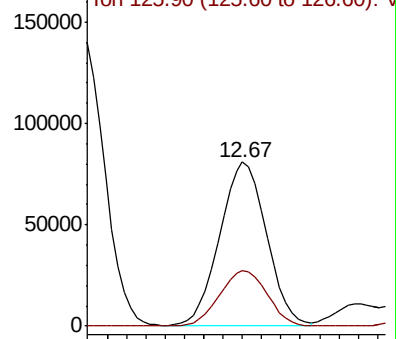
Ion Ratio Lower Upper

91 100

126 34.8 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VN059991.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.251 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059991.D

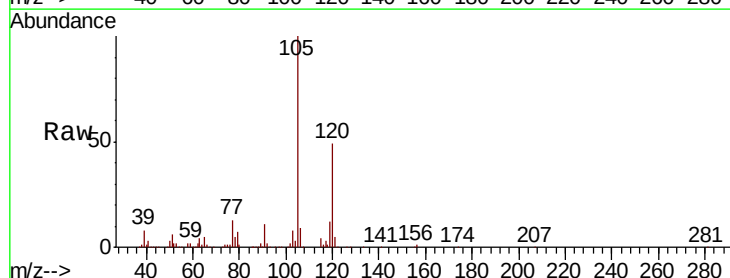
Acq: 4 Feb 2020 13:49

Tgt Ion: 105 Resp: 167154

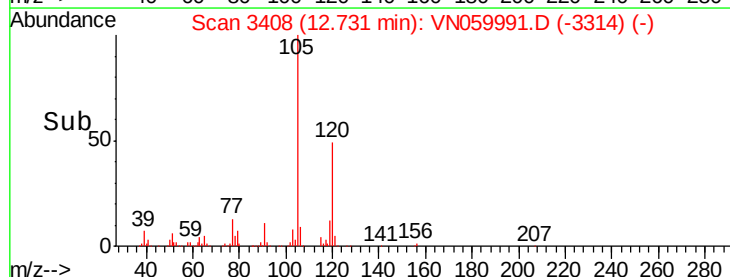
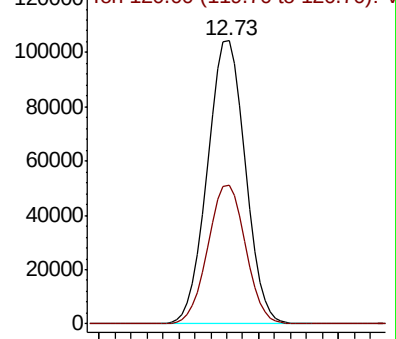
Ion Ratio Lower Upper

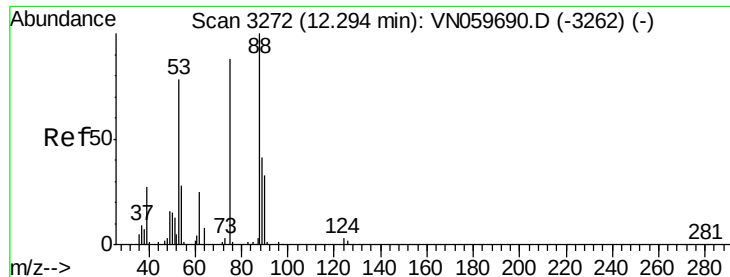
105 100

120 49.0 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059991.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.125 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

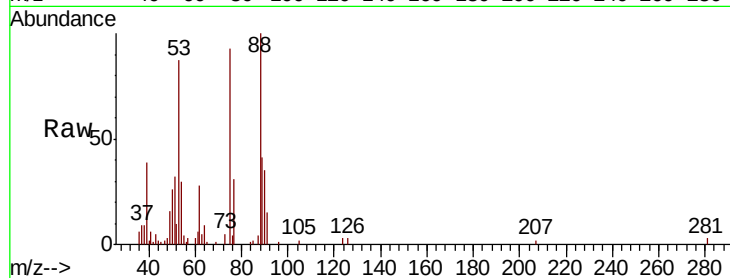
Tot Ion: 75 Resp: 21099

Ion Ratio Lower Upper

75 100

53 98.0 78.1 117.1

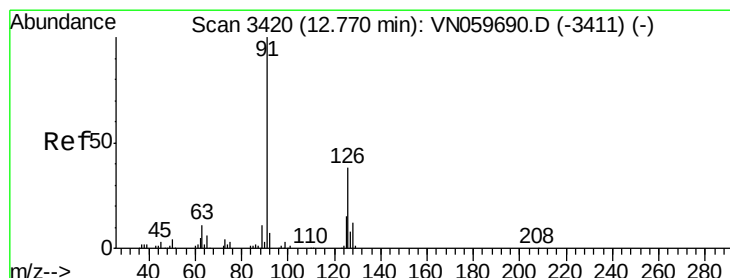
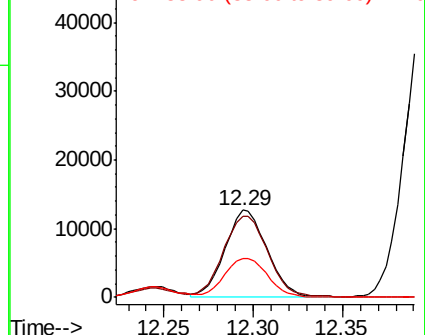
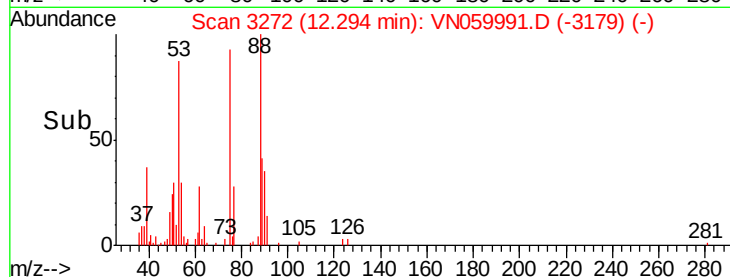
89 45.3 35.4 53.2



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: 20.040 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059991.D

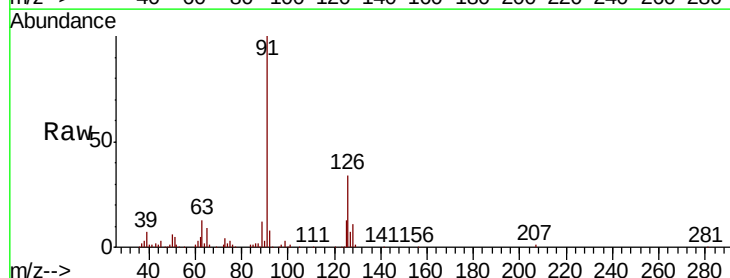
Acq: 4 Feb 2020 13:49

Tgt Ion: 91 Resp: 138572

Ion Ratio Lower Upper

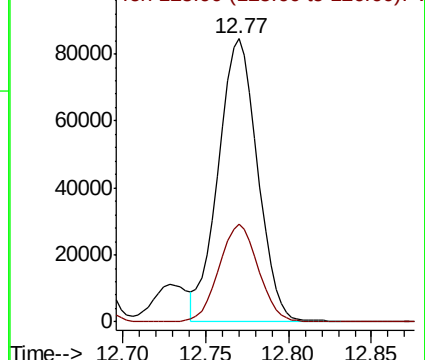
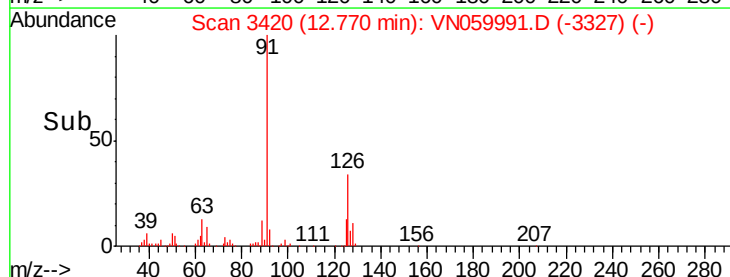
91 100

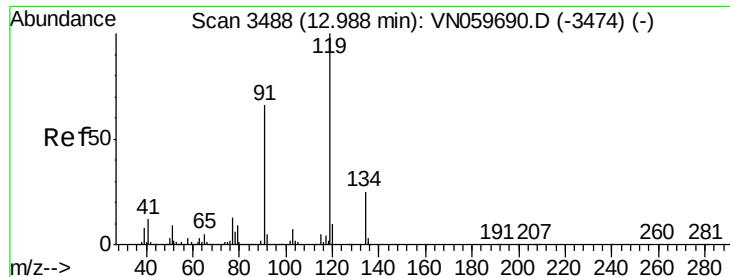
126 34.6 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

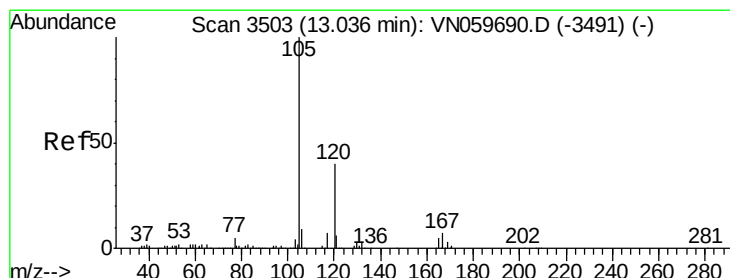
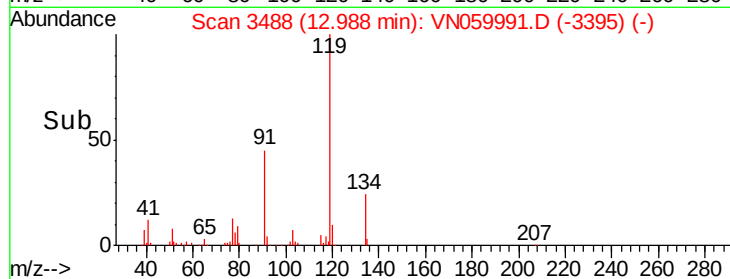
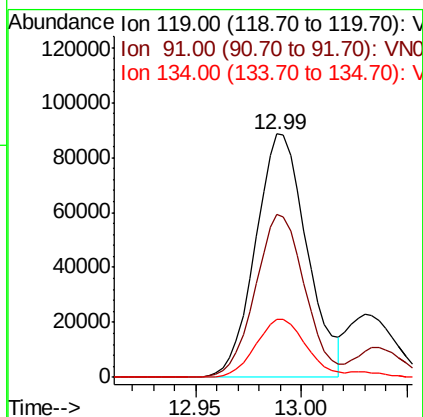
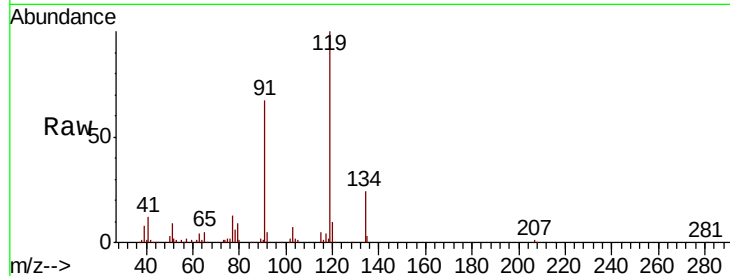




#83
tert-Butylbenzene
Concen: 20.001 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

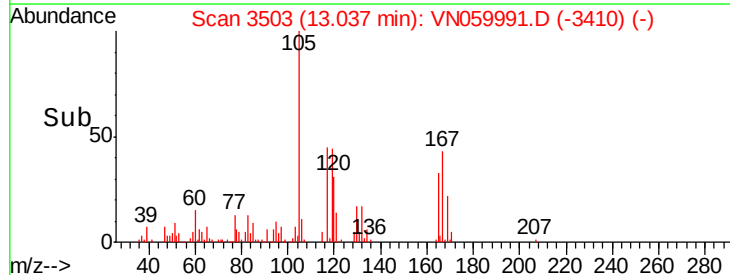
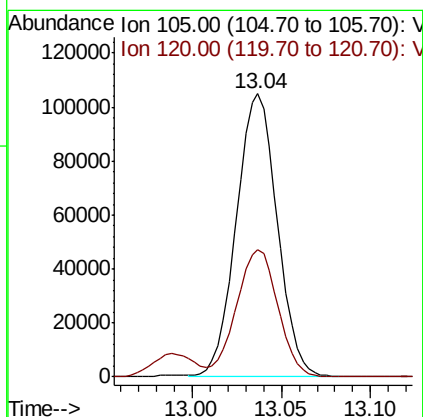
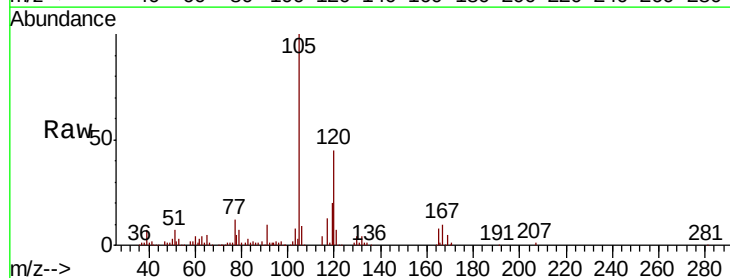
Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

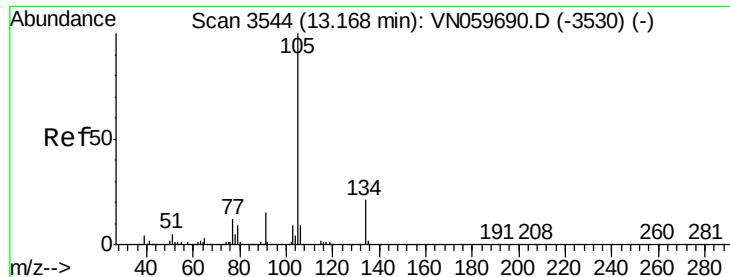
Tot Ion:119 Resp: 150198
Ion Ratio Lower Upper
119 100
91 64.2 34.8 104.4
134 23.7 12.3 36.9



#84
1,2,4-Trimethylbenzene
Concen: 19.500 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN059991.D
Acq: 4 Feb 2020 13:49

Tgt Ion:105 Resp: 167510
Ion Ratio Lower Upper
105 100
120 45.8 22.3 66.9





#85

sec-Butylbenzene

Concen: 19.632 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampled :

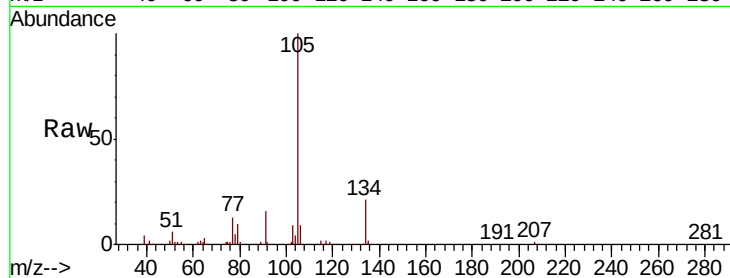
VN0204MBSD01

Tot Ion:105 Resp: 193703

Ion Ratio Lower Upper

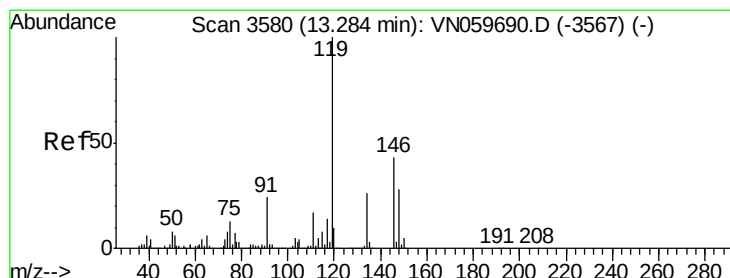
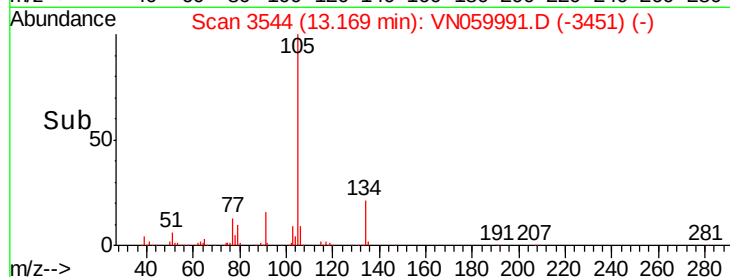
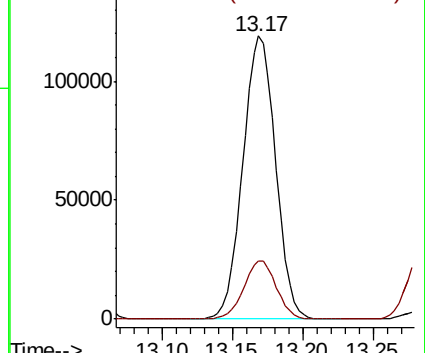
105 100

134 20.3 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.273 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

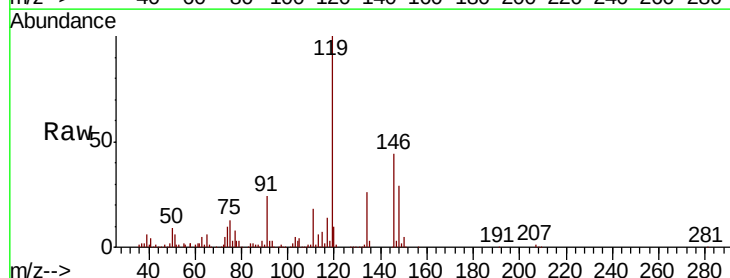
Tgt Ion:119 Resp: 175949

Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.7

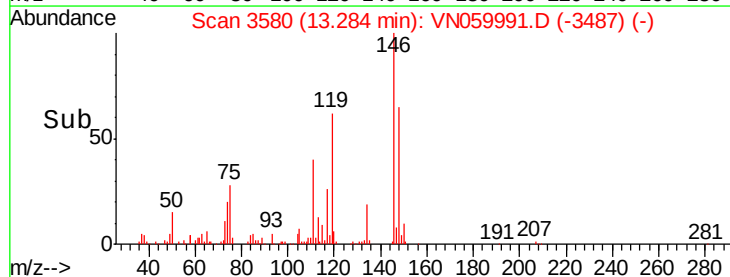
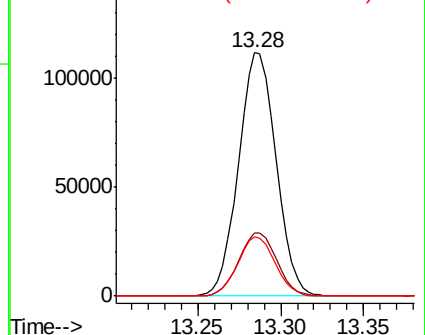
91 24.4 12.4 37.4

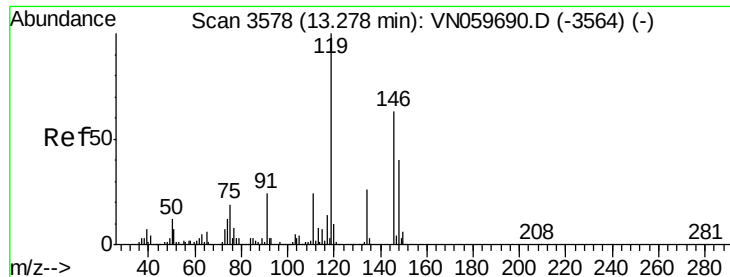


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.689 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

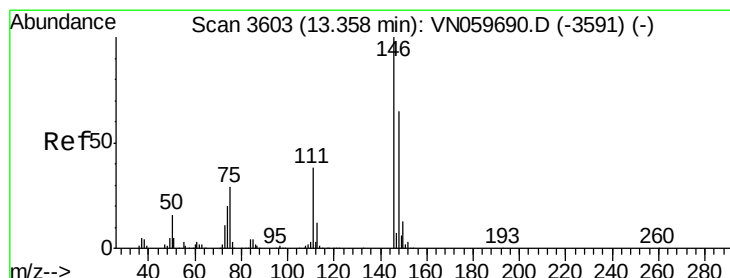
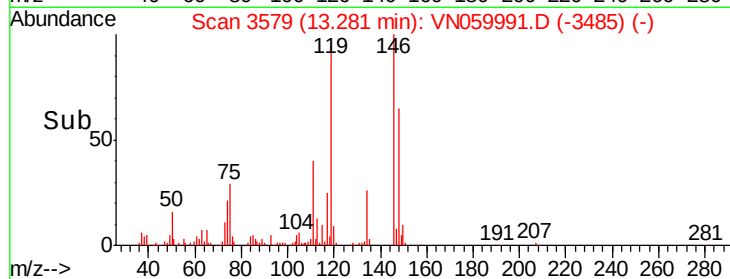
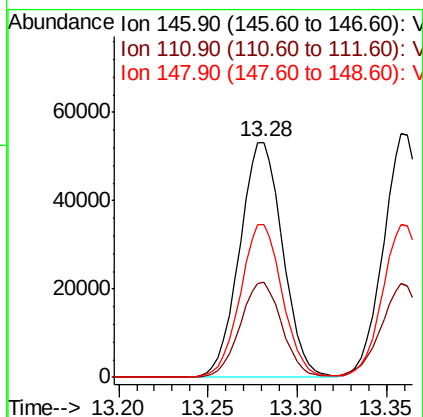
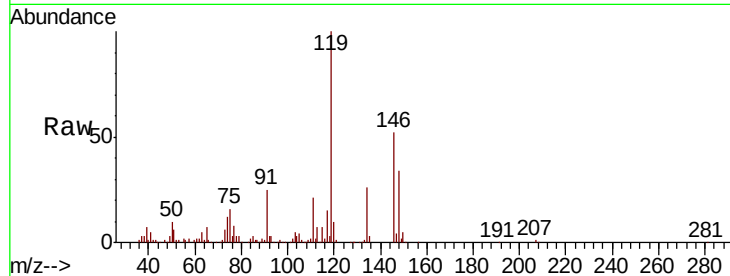
Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :
MSVOA_N
ClientSampled :
VN0204MBSD01

Tot Ion:146 Resp: 89421

Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.8	62.2
148	63.8	32.0	96.0



#88

1,4-Dichlorobenzene

Concen: 19.853 ug/l

RT: 13.36 min Scan# 3603

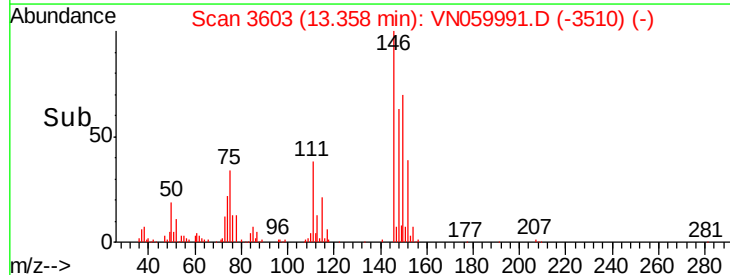
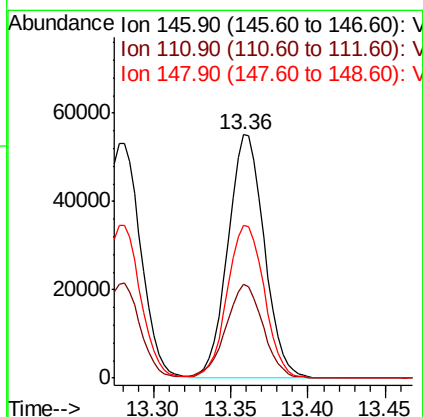
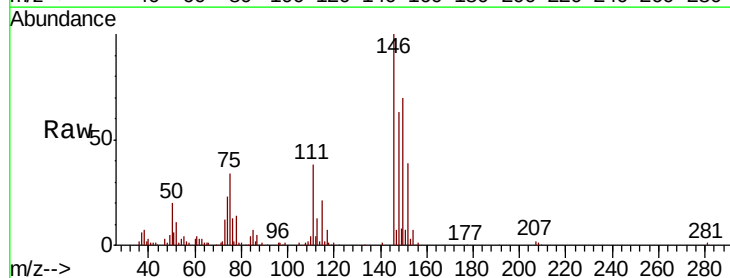
Delta R.T. 0.00 min

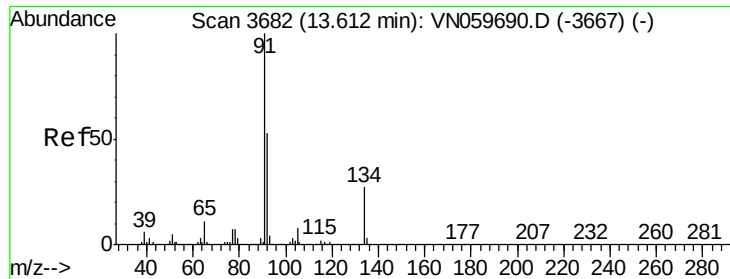
Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Tgt Ion:146 Resp: 89951

Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.8	62.2
148	64.0	31.8	95.4





#89

n-Butylbenzene

Concen: 19.654 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

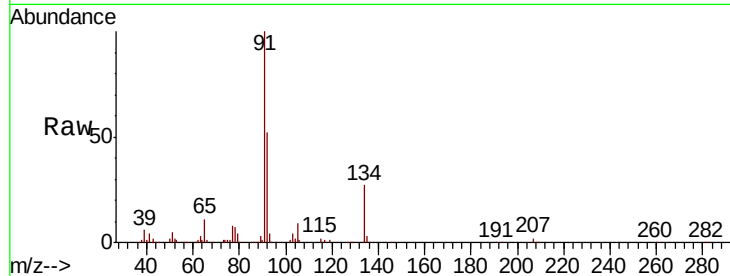
Tot Ion: 91 Resp: 152992

Ion Ratio Lower Upper

91 100

92 51.1 25.9 77.7

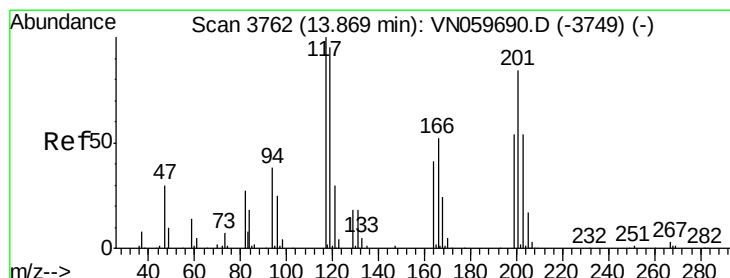
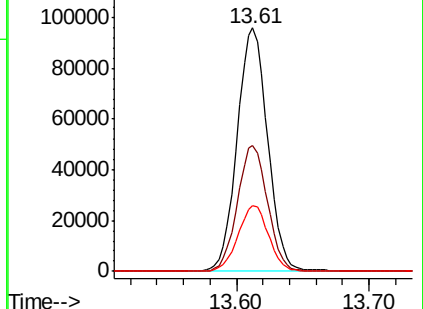
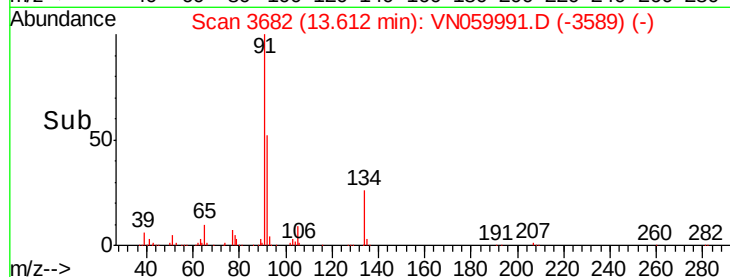
134 27.2 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN059991.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN059991.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN059991.D (-3667) (-)



#90

Hexachloroethane

Concen: 19.050 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN059991.D

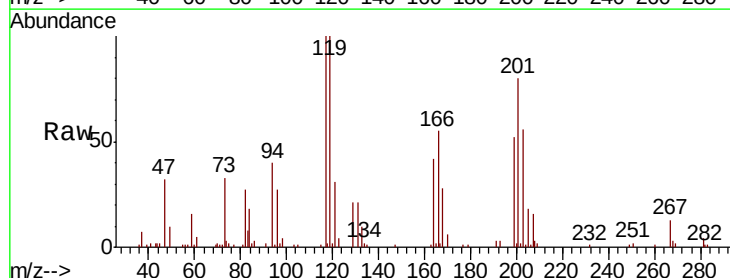
Acq: 4 Feb 2020 13:49

Tgt Ion: 117 Resp: 32539

Ion Ratio Lower Upper

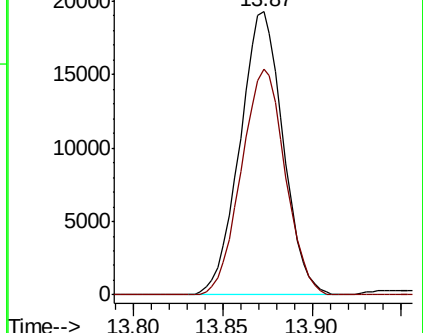
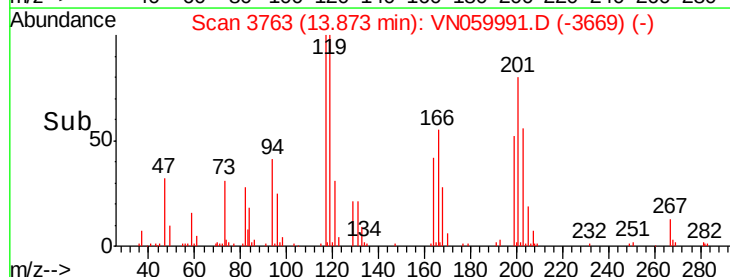
117 100

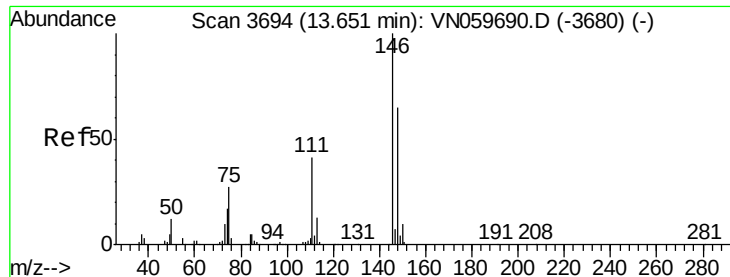
201 80.8 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): VN059991.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN059991.D (-3669) (-)





#91

1,2-Dichlorobenzene

Concen: 19.724 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

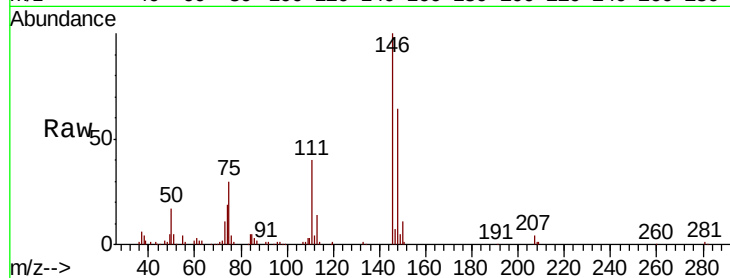
Tot Ion:146 Resp: 88560

Ion Ratio Lower Upper

146 100

111 39.9 21.6 64.8

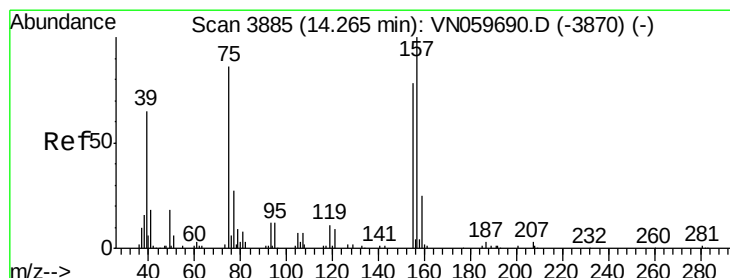
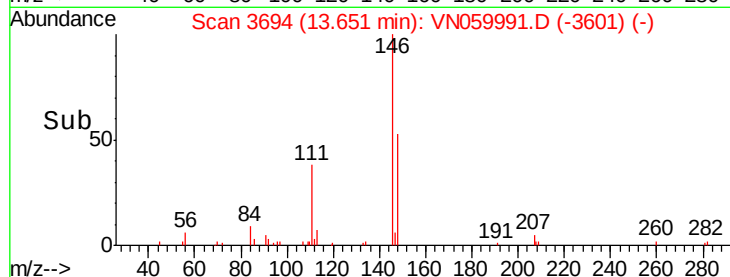
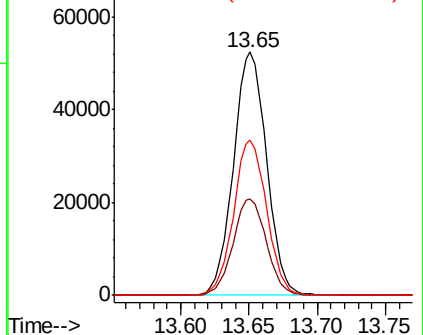
148 63.3 31.6 95.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.337 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

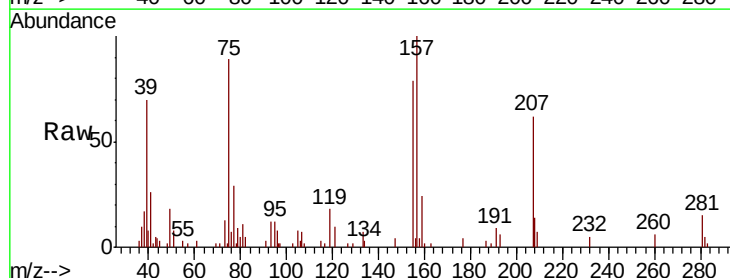
Tgt Ion: 75 Resp: 13861

Ion Ratio Lower Upper

75 100

155 82.9 37.0 110.9

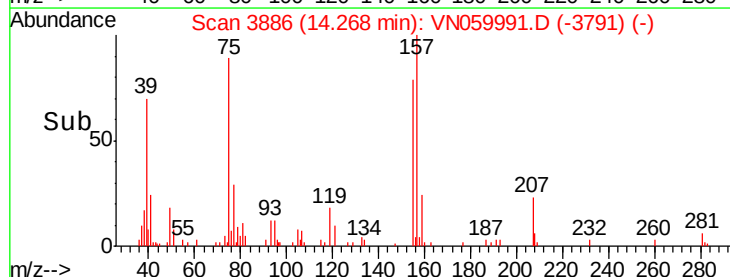
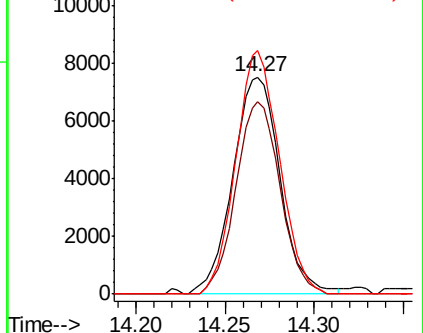
157 103.4 48.4 145.2

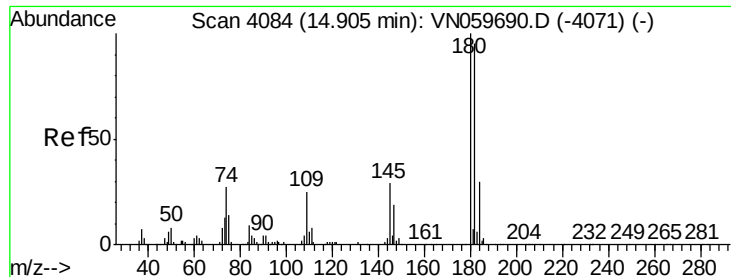


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 20.016 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

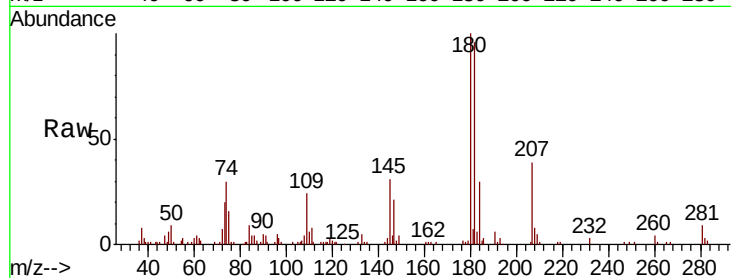
Tot Ion:180 Resp: 54000

Ion Ratio Lower Upper

180 100

182 97.0 46.9 140.7

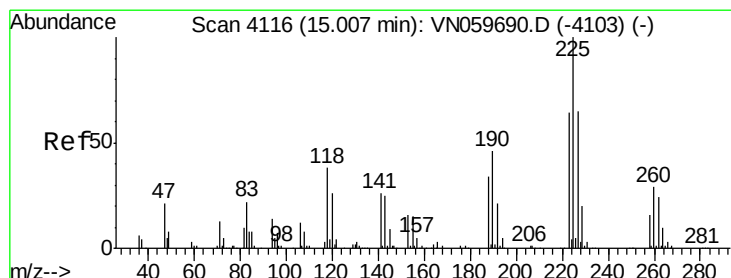
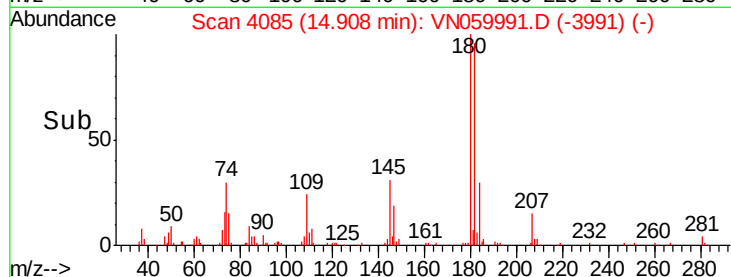
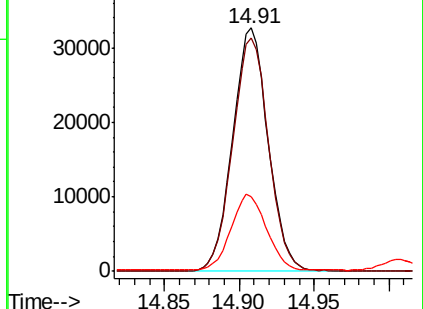
145 31.0 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 18.977 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

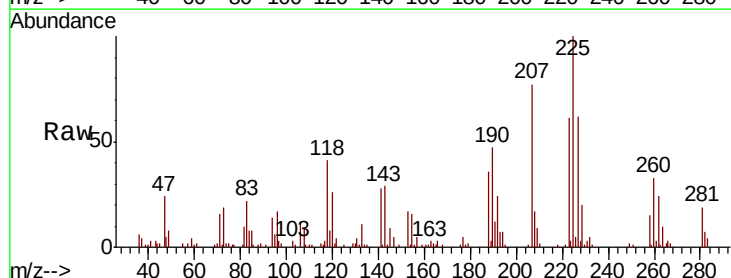
Tgt Ion:225 Resp: 28214

Ion Ratio Lower Upper

225 100

223 62.6 31.8 95.3

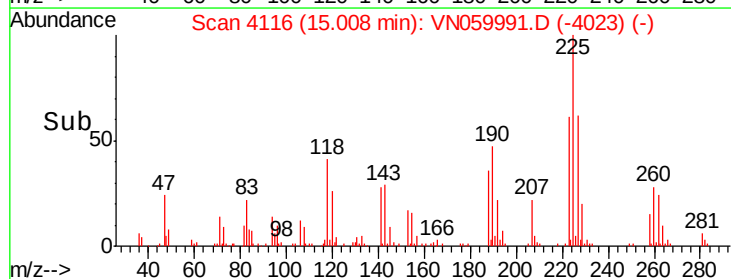
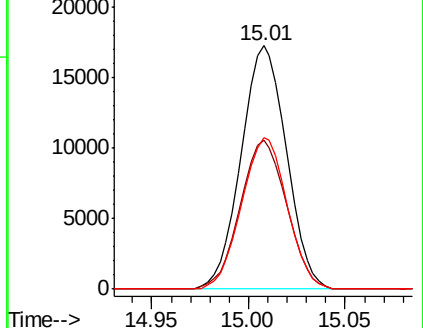
227 62.4 32.1 96.5

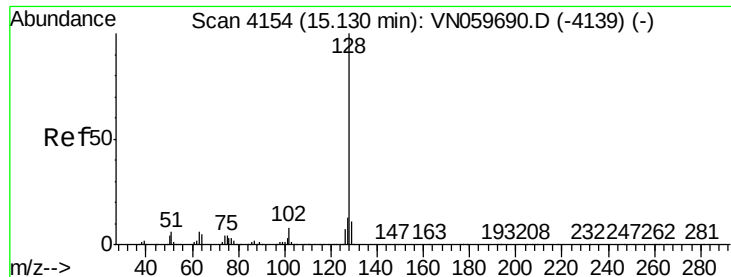


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.354 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

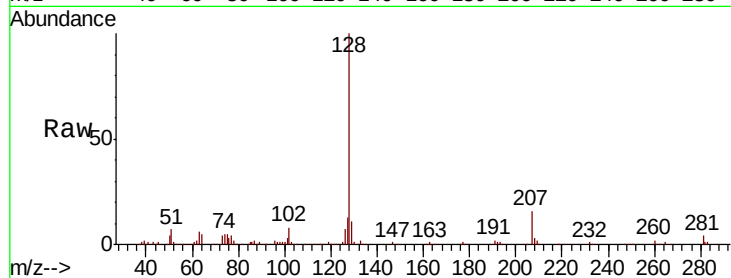
Tot Ion:128 Resp: 156192

Ion Ratio Lower Upper

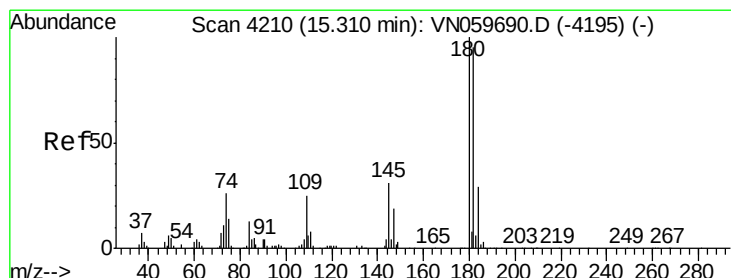
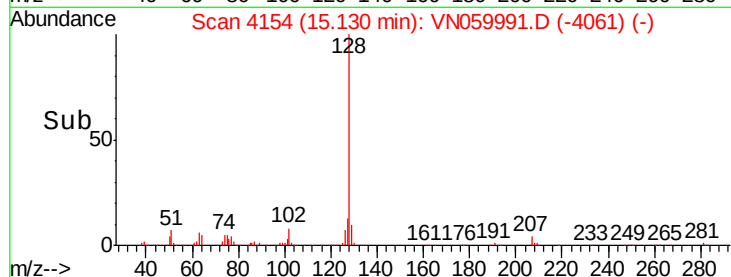
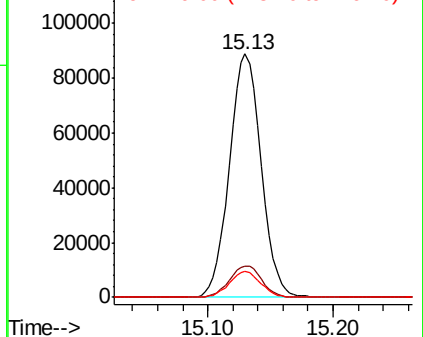
128 100

127 13.1 10.4 15.6

129 10.5 8.6 12.8



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: 20.315 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN059991.D

Acq: 4 Feb 2020 13:49

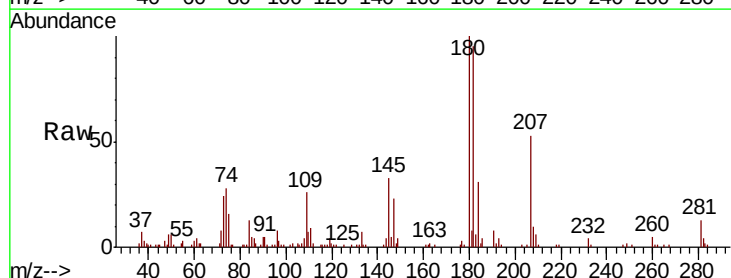
Tgt Ion:180 Resp: 53347

Ion Ratio Lower Upper

180 100

182 95.2 47.4 142.3

145 35.1 16.3 48.9



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

