

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110519\
 Data File : VN059089.D
 Acq On : 5 Nov 2019 13:58
 Operator : JC/SP
 Sample : VN1105WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBSD01

Quant Time: Nov 06 00:39:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	499099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	779032	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	709156	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	322755	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	327052	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
35) Dibromofluoromethane	7.57	113	251129	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
50) Toluene-d8	10.08	98	980994	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.40	95	342047	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	106153	19.672	ug/l	98
3) Chloromethane	2.04	50	140424	19.191	ug/l	98
4) Vinyl Chloride	2.17	62	139586	19.653	ug/l	97
5) Bromomethane	2.55	94	80240	19.109	ug/l	99
6) Chloroethane	2.69	64	82773	19.029	ug/l	100
7) Trichlorofluoromethane	3.00	101	169784	20.117	ug/l	100
8) Diethyl Ether	3.39	74	66745	20.251	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	102040	20.512	ug/l	99
10) Methyl Iodide	3.93	142	122714	20.296	ug/l	100
11) Tert butyl alcohol	4.75	59	110873	90.630	ug/l	100
12) 1,1-Dichloroethene	3.72	96	98684	19.947	ug/l	98
13) Acrolein	3.58	56	70344	91.127	ug/l	99
14) Allyl chloride	4.30	41	175625	17.915	ug/l	94
15) Acrylonitrile	4.95	53	314854	102.598	ug/l	99
16) Acetone	3.79	43	339133	101.344	ug/l	100
17) Carbon Disulfide	4.03	76	295925	18.815	ug/l	99
18) Methyl Acetate	4.30	43	162305	19.145	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	340263	20.194	ug/l	99
20) Methylene Chloride	4.53	84	113341	19.347	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	104030	19.587	ug/l	99
22) Diisopropyl ether	5.92	45	383929	20.561	ug/l	95
23) Vinyl Acetate	5.87	43	1592026	107.047	ug/l	100
24) 1,1-Dichloroethane	5.82	63	212239	19.881	ug/l	100
25) 2-Butanone	6.81	43	448476	100.649	ug/l	98
26) 2,2-Dichloropropane	6.80	77	179931	19.418	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	121969	20.395	ug/l	99
28) Bromochloromethane	7.17	49	65857	19.988	ug/l	97
29) Tetrahydrofuran	7.18	42	284653	101.224	ug/l	99
30) Chloroform	7.35	83	200769	19.667	ug/l	99
31) Cyclohexane	7.63	56	198958	19.539	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	171720	19.882	ug/l	98
36) 1,1-Dichloropropene	7.77	75	156361	20.195	ug/l	99
37) Ethyl Acetate	6.90	43	174678	20.305	ug/l	99
38) Carbon Tetrachloride	7.75	117	154145	20.428	ug/l	98

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
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 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	180262	20.142	ug/l	99
40) Benzene	8.02	78	465107	20.241	ug/l	99
41) Methacrylonitrile	7.15	41	78815	21.187	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	159967	20.046	ug/l	100
43) Isopropyl Acetate	8.14	43	270537	20.109	ug/l	100
44) Trichloroethene	8.82	130	113266	20.035	ug/l	99
45) 1,2-Dichloropropane	9.10	63	125743	20.235	ug/l	100
46) Dibromomethane	9.19	93	77113	20.078	ug/l	99
47) Bromodichloromethane	9.39	83	156843	20.164	ug/l	98
48) Methyl methacrylate	9.18	41	120575	19.656	ug/l	99
49) 1,4-Dioxane	9.18	88	38386	383.621	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	854221	109.302	ug/l	98
52) Toluene	10.15	92	282844	21.008	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	178655	19.863	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	194613	20.514	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	111014	20.241	ug/l	98
56) Ethyl methacrylate	10.42	69	168308	19.270	ug/l	99
57) 1,3-Dichloropropane	10.70	76	195284	20.474	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	357781	106.016	ug/l	99
59) 2-Hexanone	10.74	43	636070	107.132	ug/l	99
60) Dibromochloromethane	10.90	129	116493	19.709	ug/l	96
61) 1,2-Dibromoethane	11.00	107	113124	20.360	ug/l	100
64) Tetrachloroethene	10.63	164	100205	20.228	ug/l	99
65) Chlorobenzene	11.43	112	289867	19.916	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	107868	20.144	ug/l	99
67) Ethyl Benzene	11.51	91	520666	20.665	ug/l	99
68) m/p-Xylenes	11.62	106	385001	40.921	ug/l	98
69) o-Xylene	11.95	106	185577	20.656	ug/l	97
70) Styrene	11.96	104	293492	20.159	ug/l	100
71) Bromoform	12.13	173	83125	20.055	ug/l #	99
73) Isopropylbenzene	12.25	105	495245	20.858	ug/l	100
74) N-amyl acetate	12.07	43	209045	19.792	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	168028	19.866	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	222436	29.123	ug/l #	100
77) Bromobenzene	12.53	156	121291	20.430	ug/l	97
78) n-propylbenzene	12.59	91	580936	21.125	ug/l	100
79) 2-Chlorotoluene	12.68	91	346587	20.297	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	421020	20.863	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	56336	18.909	ug/l	94
82) 4-Chlorotoluene	12.78	91	351265	20.156	ug/l	99
83) tert-Butylbenzene	12.99	119	352593	20.568	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	418271	21.331	ug/l	100
85) sec-Butylbenzene	13.18	105	478830	21.312	ug/l	99
86) p-Isopropyltoluene	13.29	119	425719	21.017	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	210330	19.939	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	205858	19.729	ug/l	99
89) n-Butylbenzene	13.62	91	361870	20.503	ug/l	100
90) Hexachloroethane	13.88	117	78868	19.587	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	207883	19.806	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34765	19.029	ug/l	96

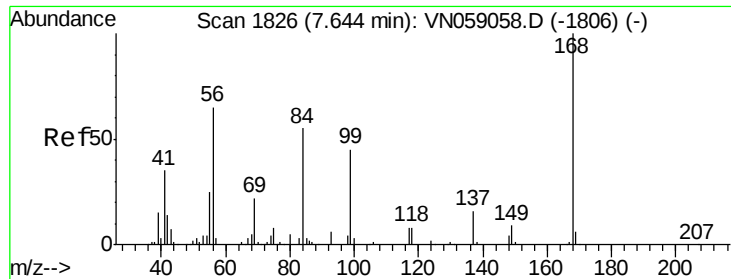
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110519\
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Quant Title : SW846 8260
QLast Update : Sat Nov 02 05:43:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	111105	19.626	ug/l	99
94) Hexachlorobutadiene	15.01	225	69486	20.451	ug/l	99
95) Naphthalene	15.13	128	302768	19.119	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	112818	19.581	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

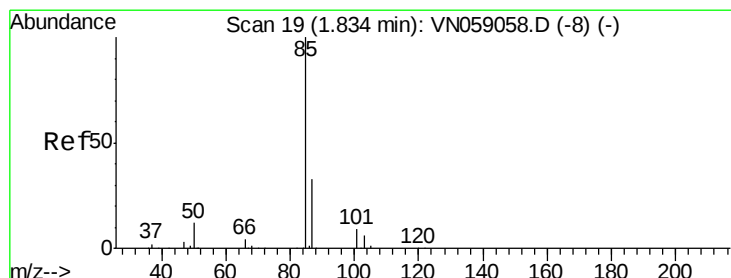
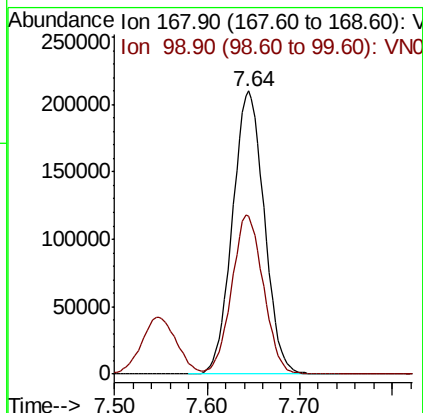
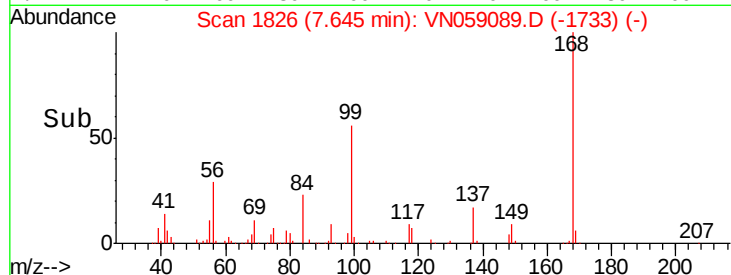
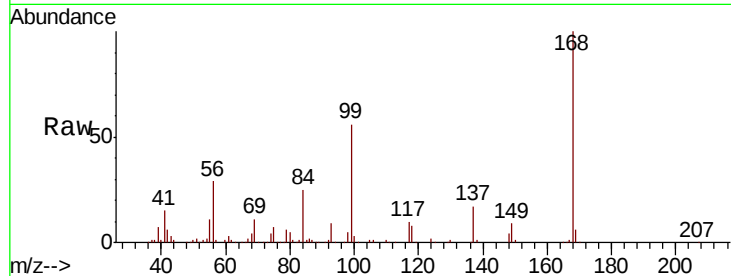
VN1105WBSD01

Tot Ion:168 Resp: 499099

Ion Ratio Lower Upper

168 100

99 55.8 44.1 66.1



#2

Dichlorodifluoromethane

Concen: 19.672 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059089.D

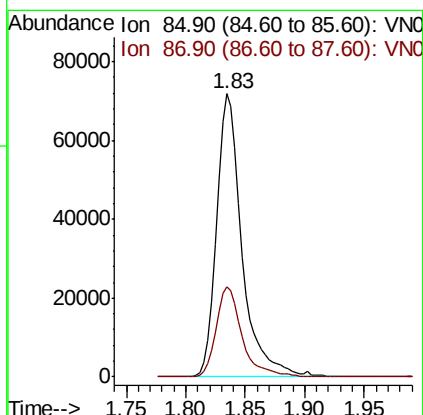
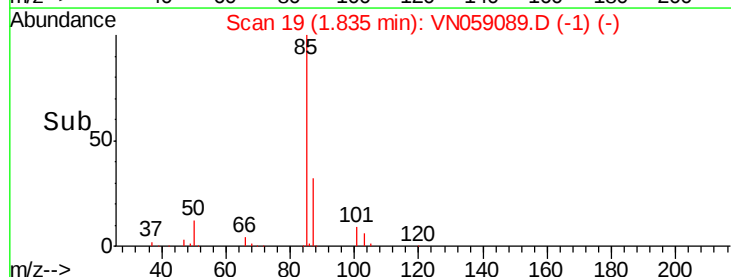
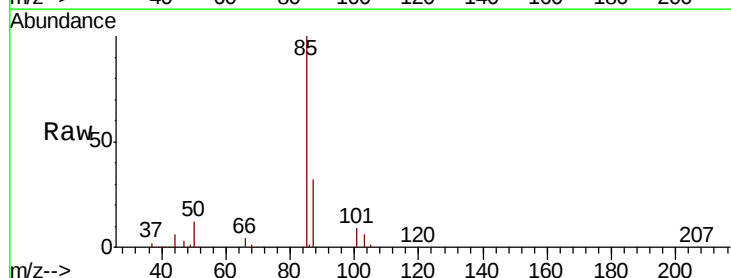
Acq: 5 Nov 2019 13:58

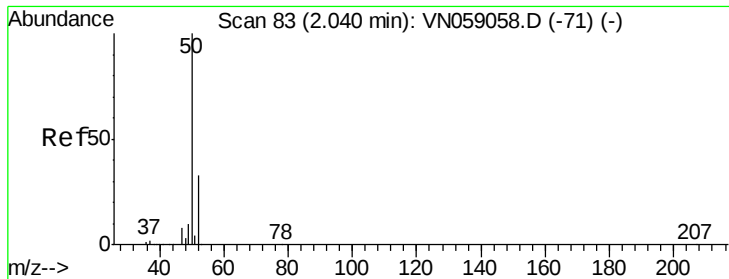
Tgt Ion: 85 Resp: 106153

Ion Ratio Lower Upper

85 100

87 32.0 16.5 49.5





#3

Chloromethane

Concen: 19.191 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

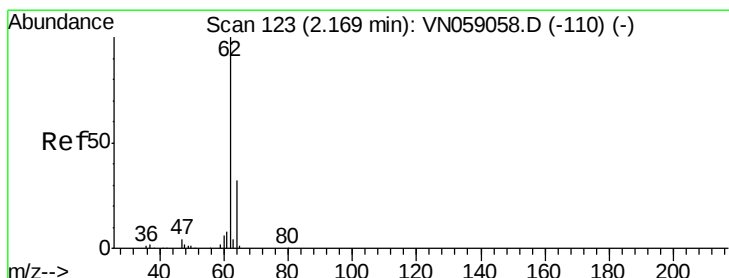
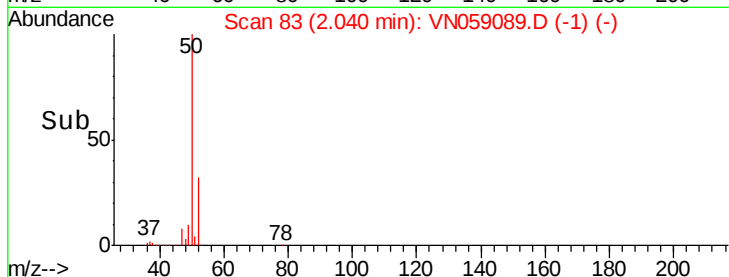
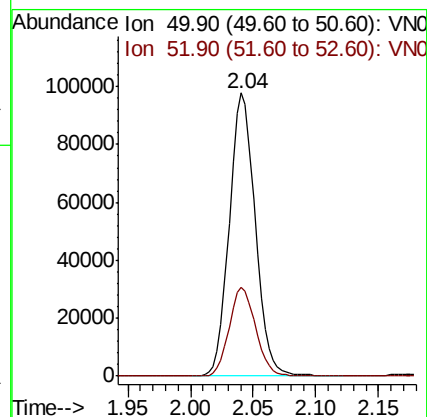
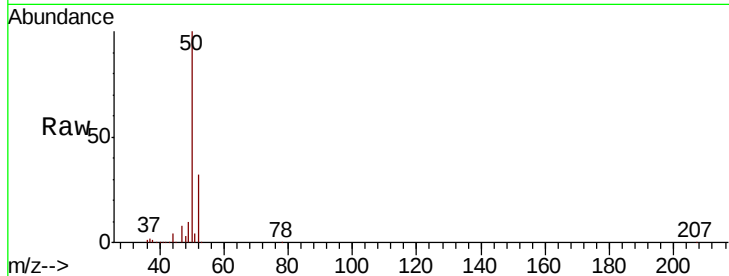
VN1105WBSD01

Tot Ion: 50 Resp: 140424

Ion Ratio Lower Upper

50 100

52 31.6 26.3 39.5



#4

Vinyl Chloride

Concen: 19.653 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059089.D

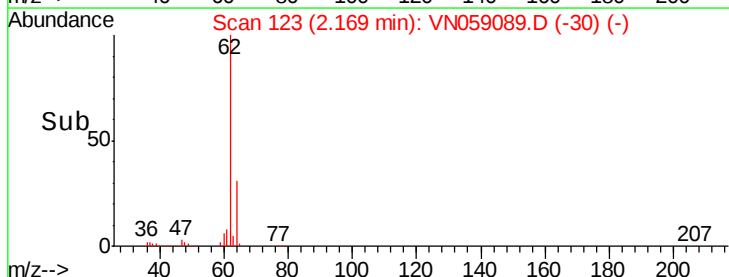
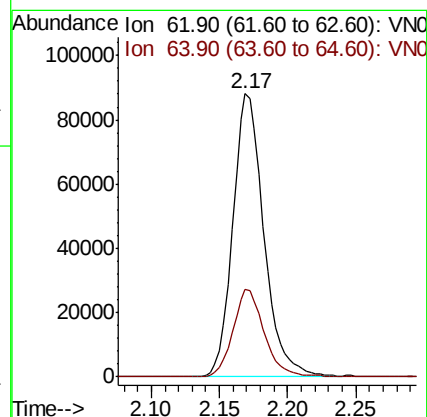
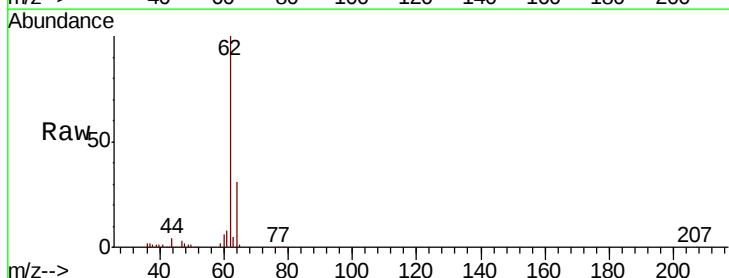
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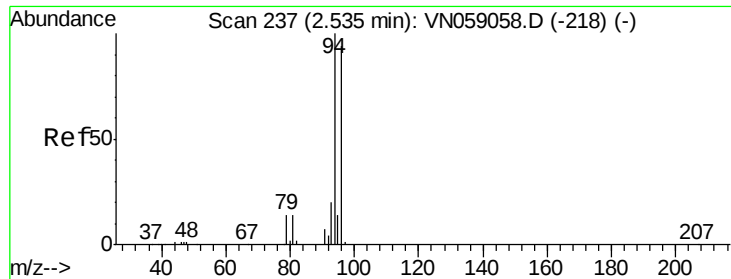
Tgt Ion: 62 Resp: 139586

Ion Ratio Lower Upper

62 100

64 30.7 25.8 38.8





#5

Bromomethane

Concen: 19.109 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

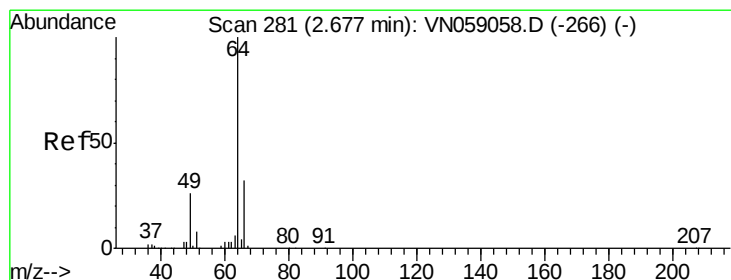
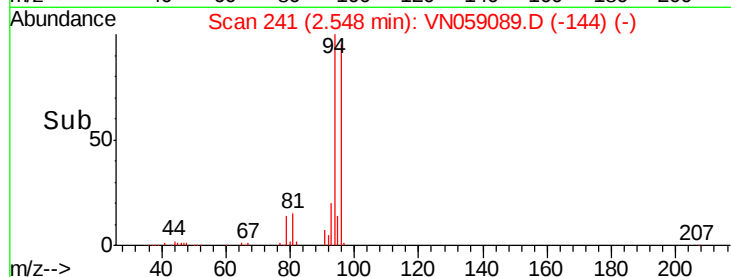
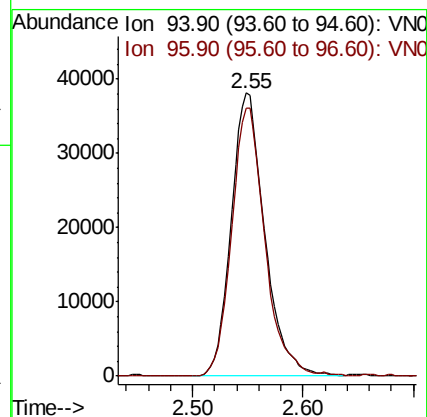
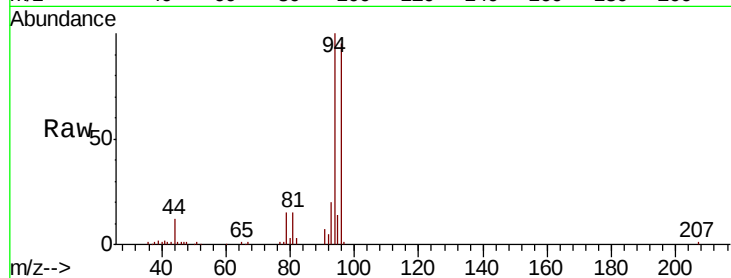
VN1105WBSD01

Tot Ion: 94 Resp: 80240

Ion Ratio Lower Upper

94 100

96 94.6 75.1 112.7



#6

Chloroethane

Concen: 19.029 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059089.D

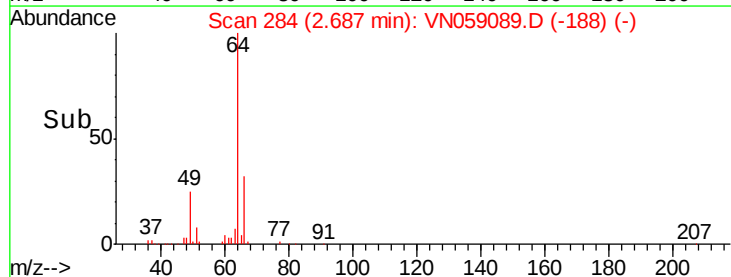
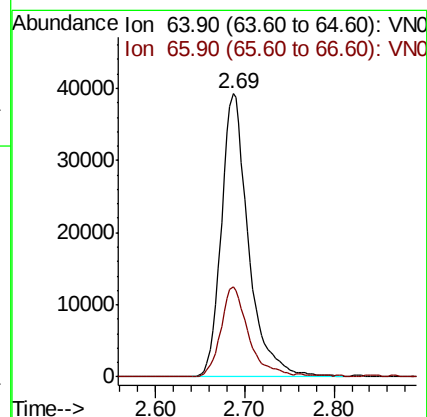
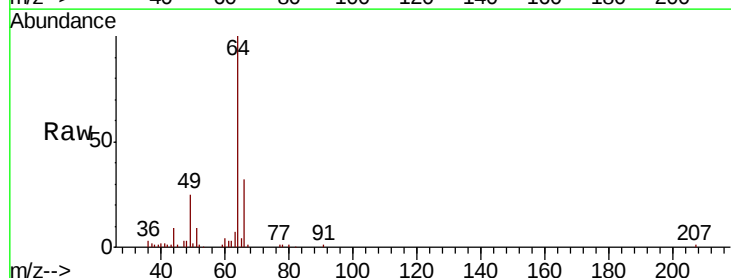
Acq: 5 Nov 2019 13:58

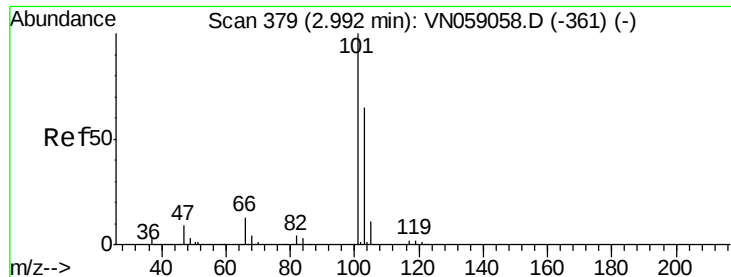
Tgt Ion: 64 Resp: 82773

Ion Ratio Lower Upper

64 100

66 31.9 25.6 38.4



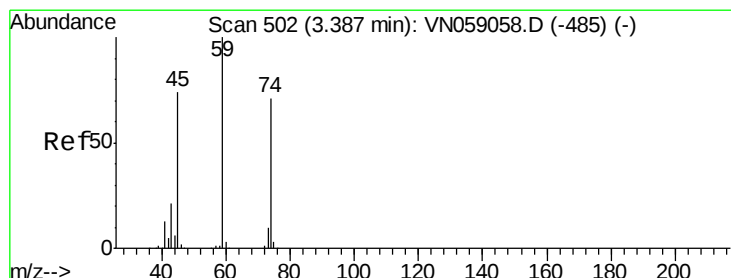
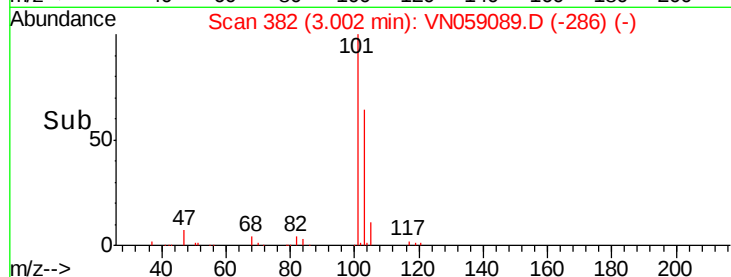
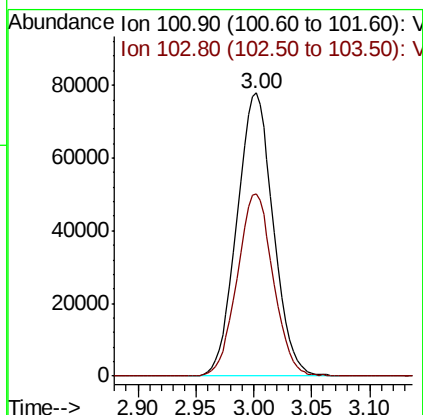
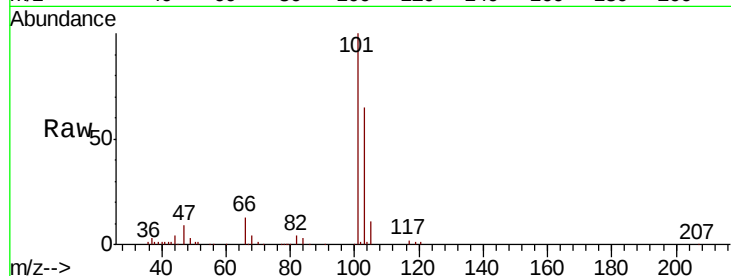


#7

Trichlorofluoromethane
Concen: 20.117 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.01 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBSD01

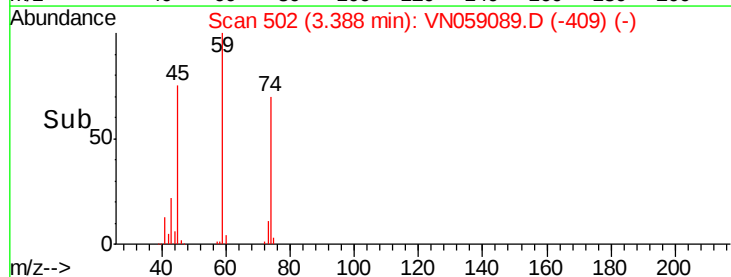
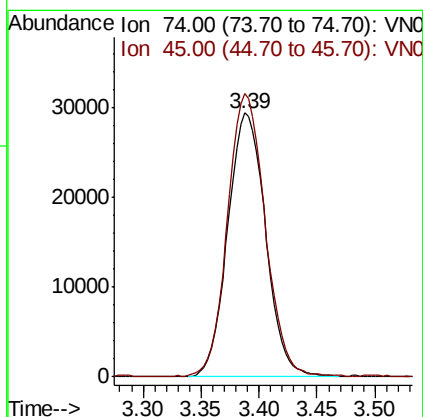
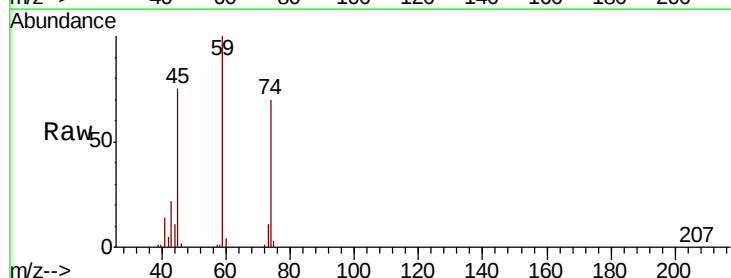
Tot Ion:101 Resp: 169784
Ion Ratio Lower Upper
101 100
103 64.6 51.7 77.5

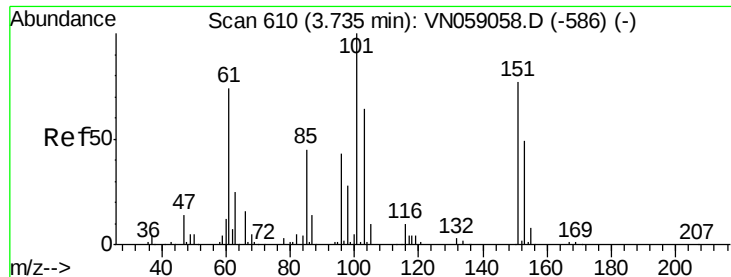


#8

Diethyl Ether
Concen: 20.251 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Tgt Ion: 74 Resp: 66745
Ion Ratio Lower Upper
74 100
45 107.0 52.8 158.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.512 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

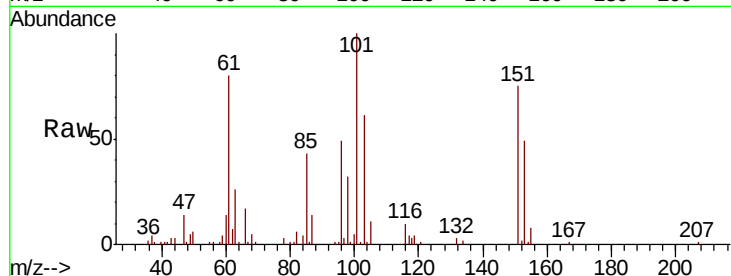
Tot Ion:101 Resp: 102040

Ion Ratio Lower Upper

101 100

85 44.0 35.0 52.6

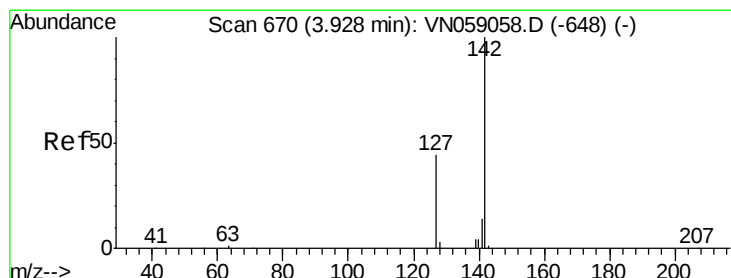
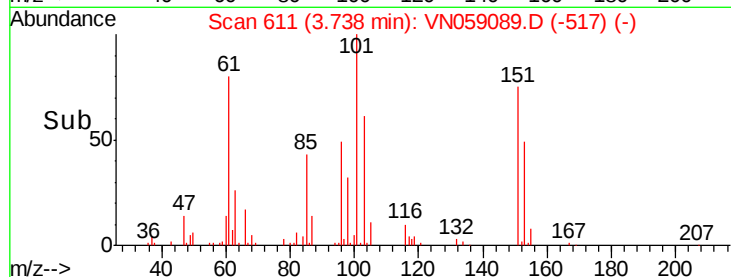
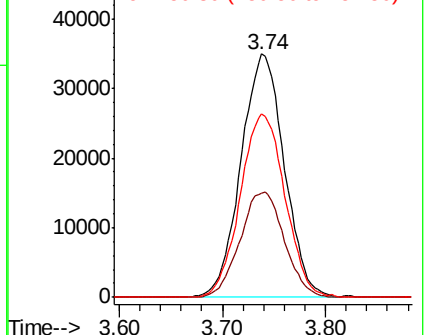
151 77.7 61.3 91.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.296 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

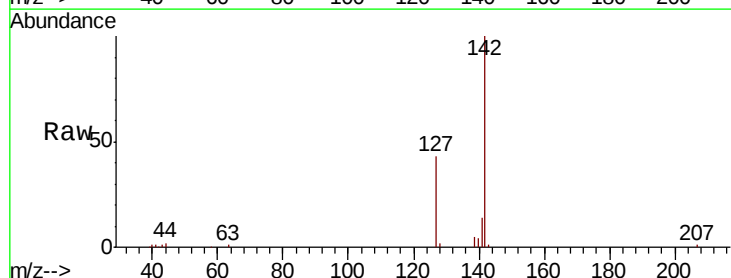
Tgt Ion:142 Resp: 122714

Ion Ratio Lower Upper

142 100

127 42.8 34.2 51.2

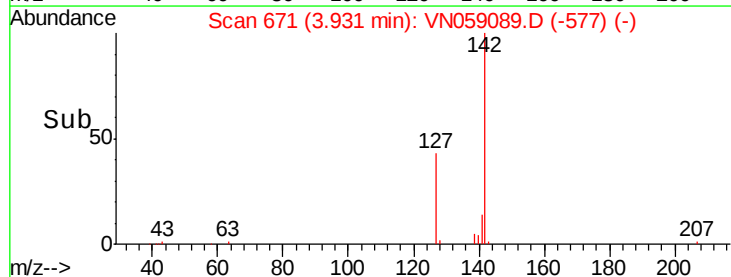
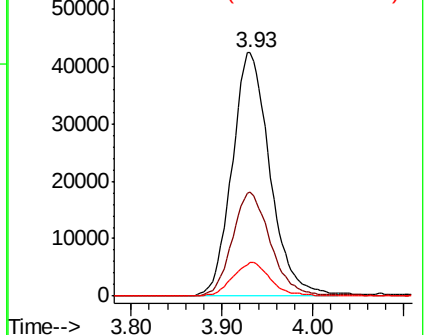
141 13.6 11.1 16.7

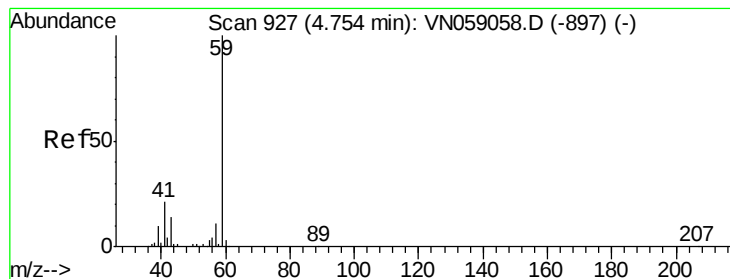


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 90.630 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.01 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

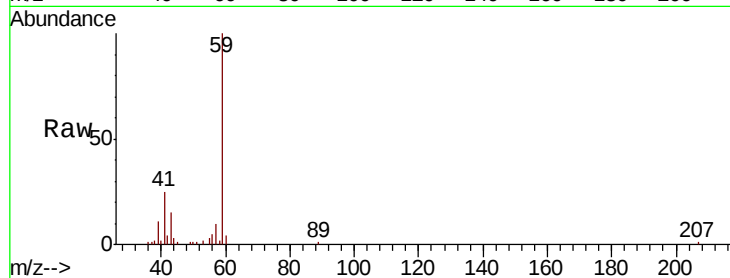
VN1105WBSD01

Tot Ion: 59 Resp: 110873

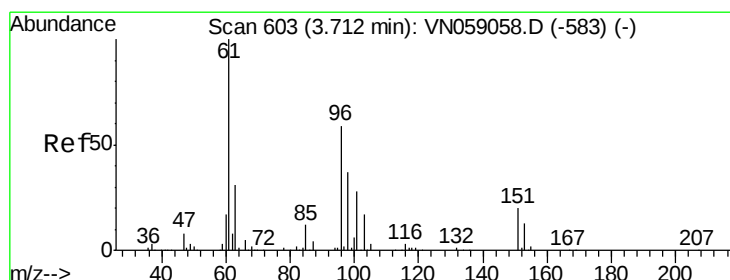
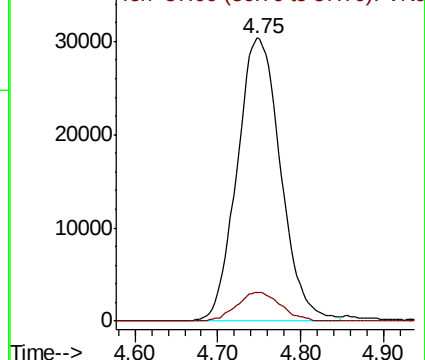
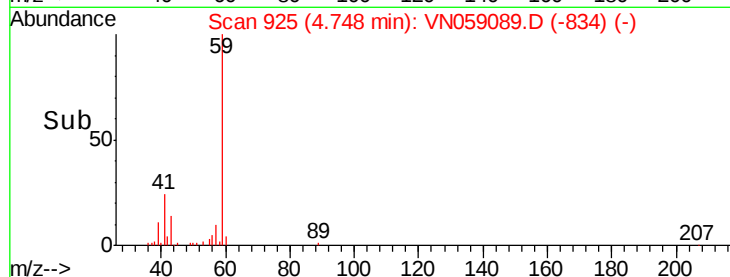
Ion Ratio Lower Upper

59 100

57 10.3 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VN059089.D (-834) (-)



#12

1,1-Dichloroethene

Concen: 19.947 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

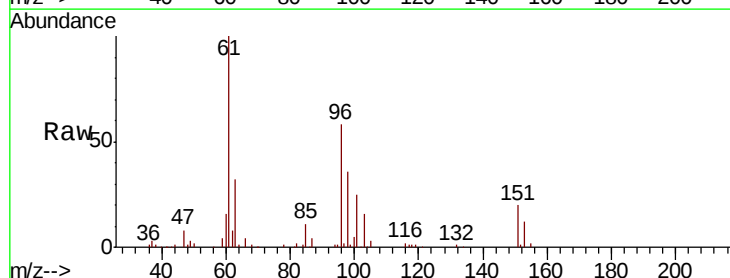
Tgt Ion: 96 Resp: 98684

Ion Ratio Lower Upper

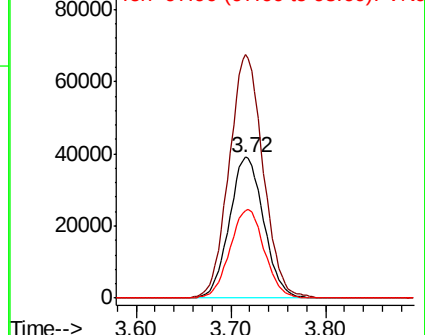
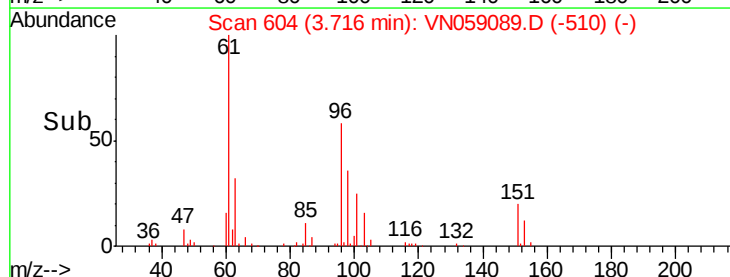
96 100

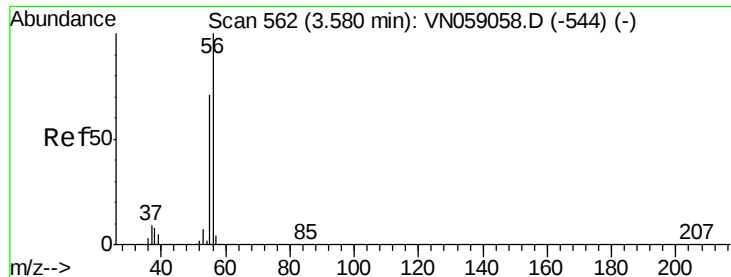
61 172.7 135.3 202.9

98 62.3 49.4 74.2



Abundance Ion 95.90 (95.60 to 96.60): VN059089.D (-510) (-)





#13

Acrolein

Concen: 91.127 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

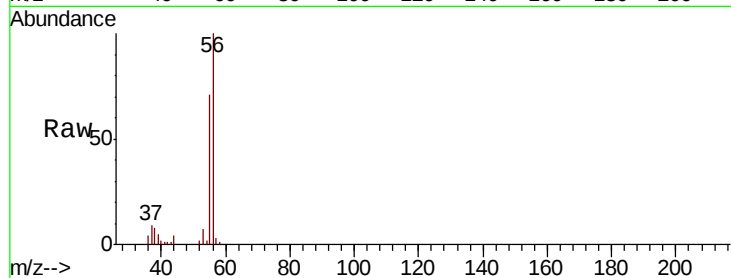
VN1105WBSD01

Tot Ion: 56 Resp: 70344

Ion Ratio Lower Upper

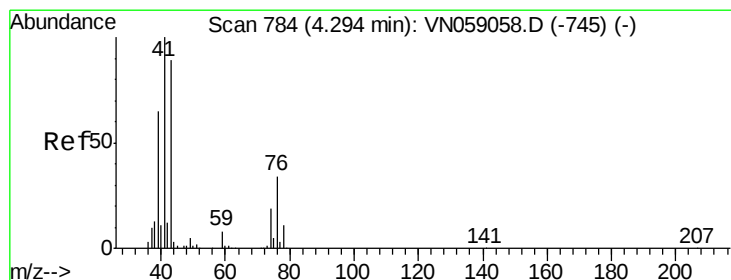
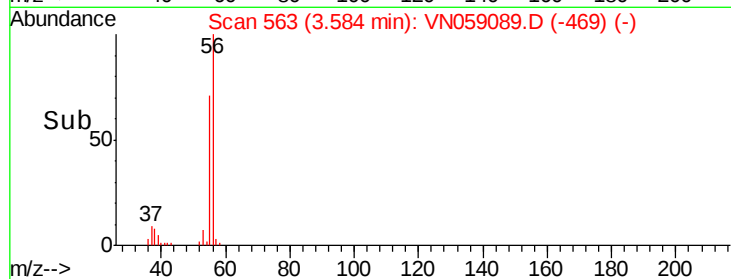
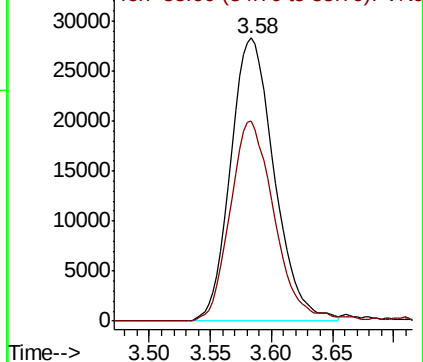
56 100

55 71.2 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.915 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

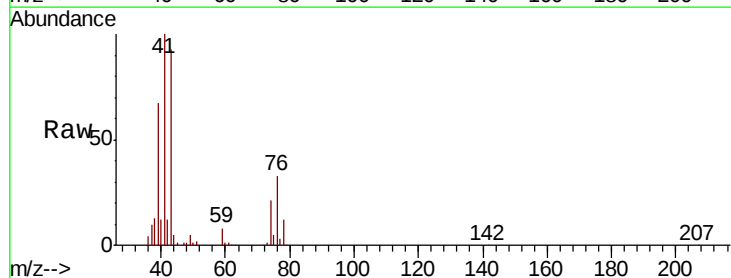
Tgt Ion: 41 Resp: 175625

Ion Ratio Lower Upper

41 100

39 66.4 49.4 74.2

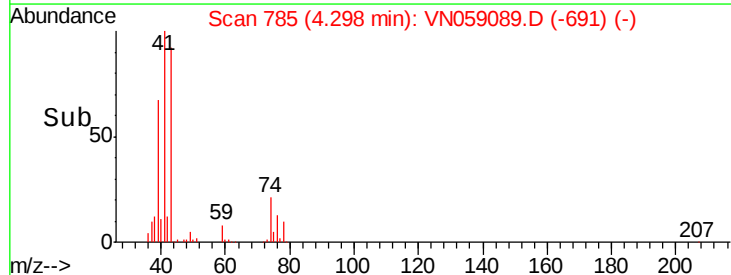
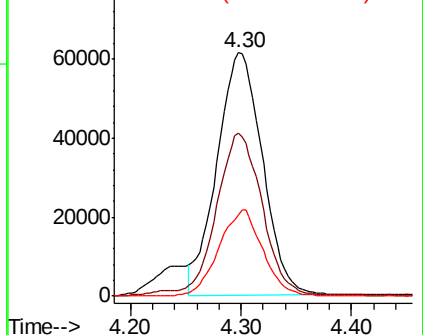
76 34.3 24.6 37.0

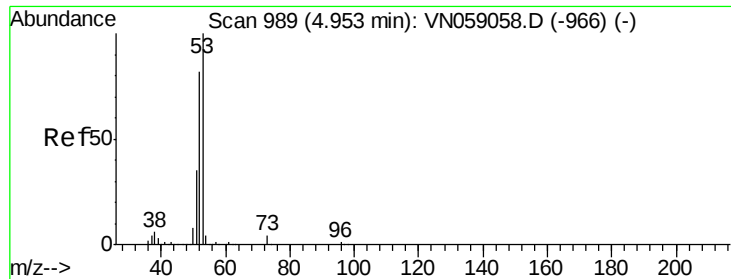


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 102.598 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

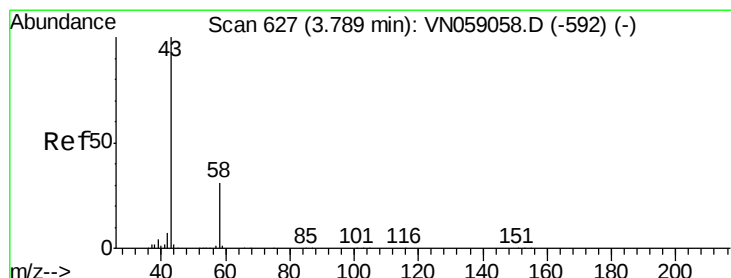
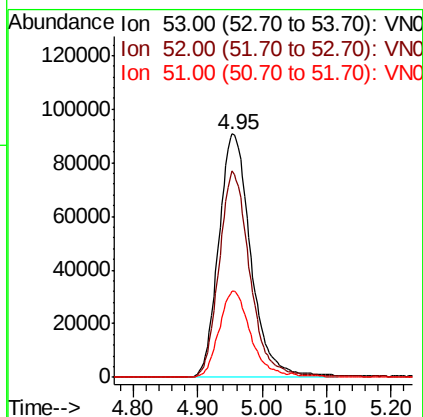
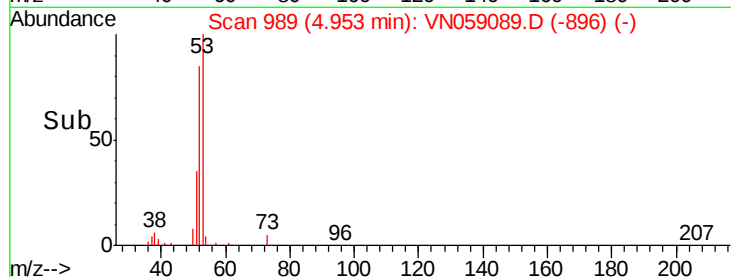
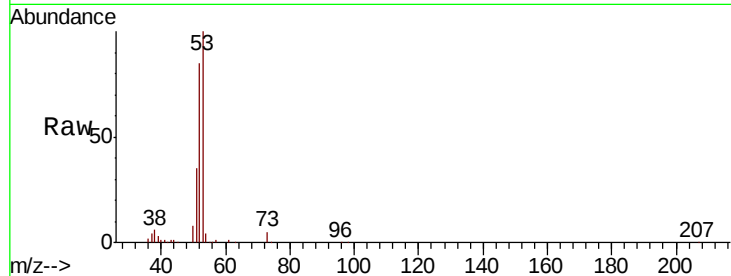
Tot Ion: 53 Resp: 314854

Ion Ratio Lower Upper

53 100

52 81.3 66.0 99.0

51 34.5 28.3 42.5



#16

Acetone

Concen: 101.344 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059089.D

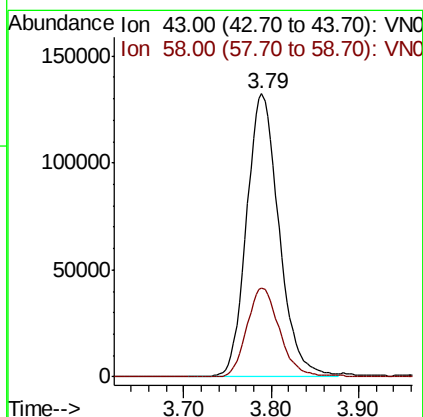
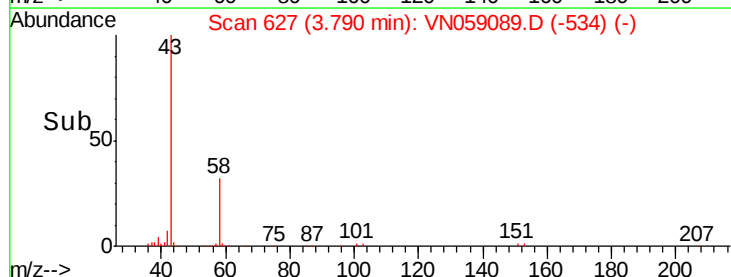
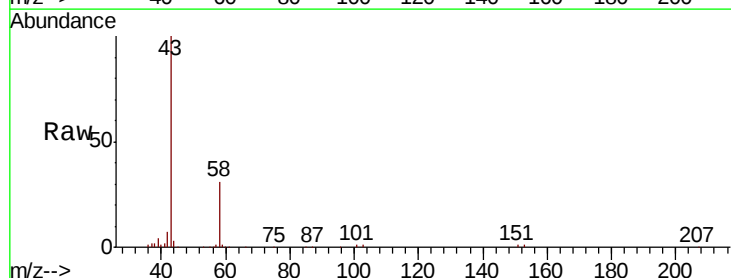
Acq: 5 Nov 2019 13:58

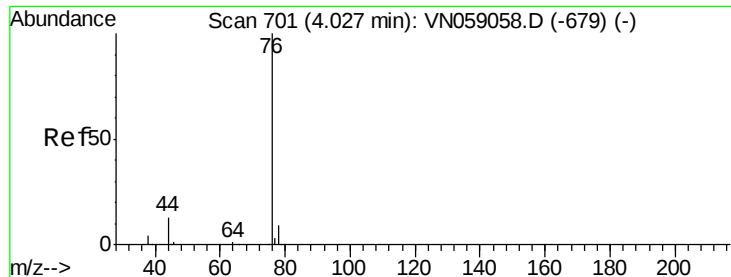
Tgt Ion: 43 Resp: 339133

Ion Ratio Lower Upper

43 100

58 31.5 25.0 37.6

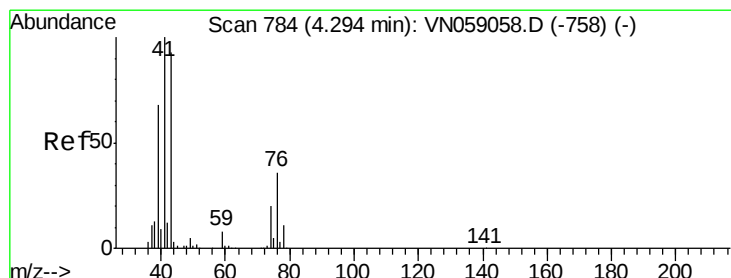
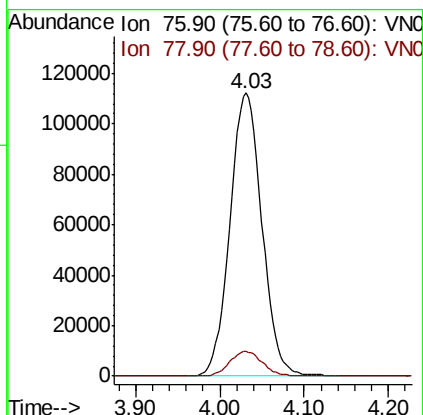
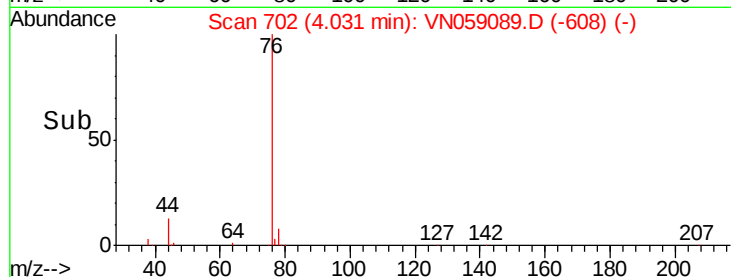
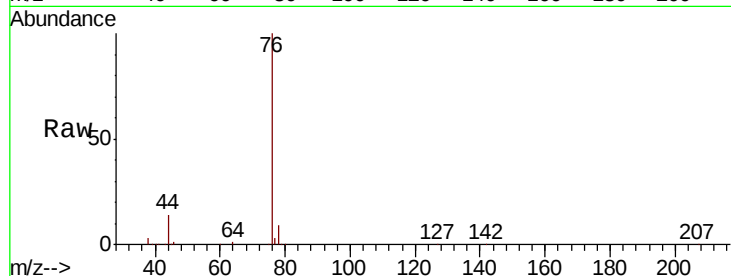




#17
Carbon Disulfide
Concen: 18.815 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

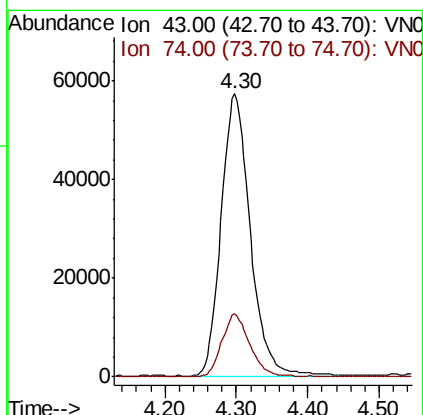
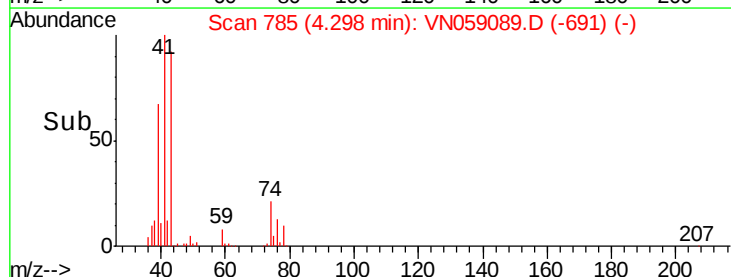
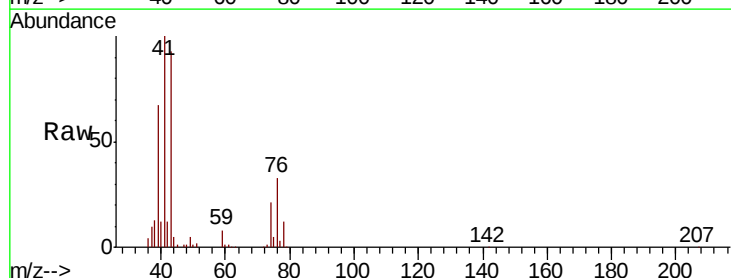
Instrument :
MSVOA_N
ClientSampleId :
VN1105WBSD01

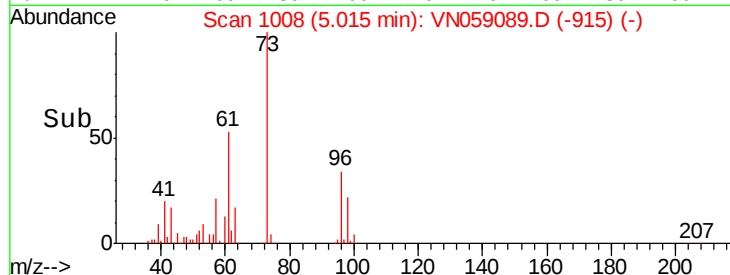
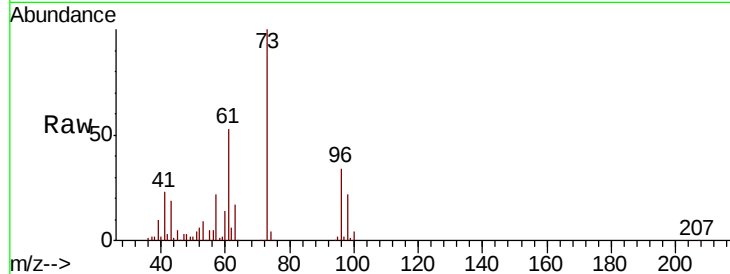
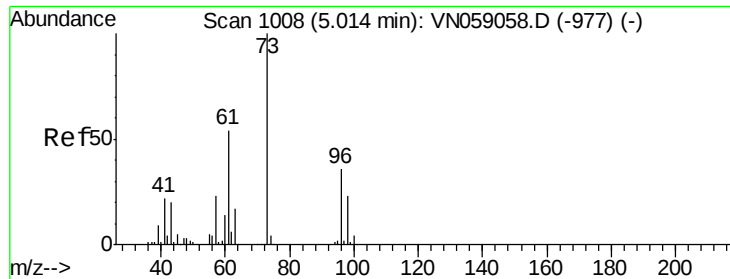
Tot Ion: 76 Resp: 295925
Ion Ratio Lower Upper
76 100
78 8.6 7.0 10.6



#18
Methyl Acetate
Concen: 19.145 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Tgt Ion: 43 Resp: 162305
Ion Ratio Lower Upper
43 100
74 21.6 17.5 26.3

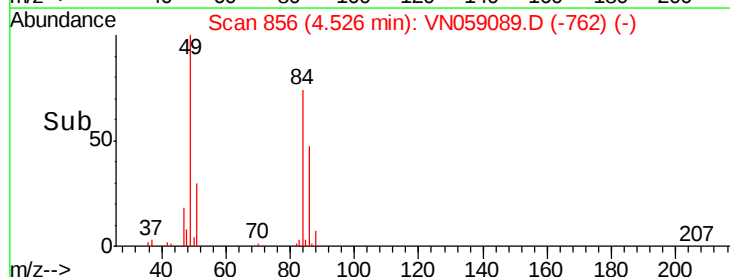
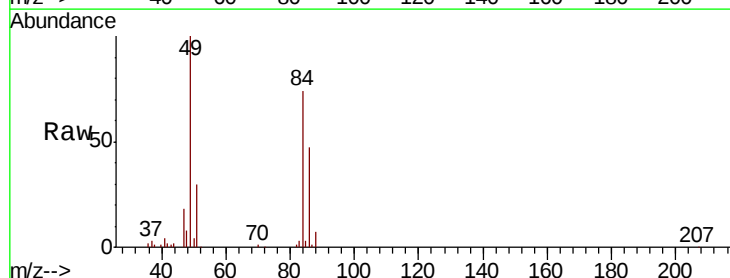
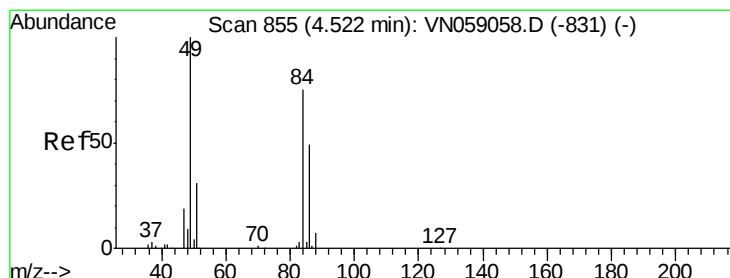
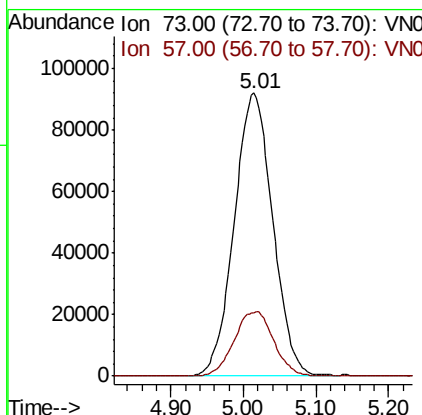




#19
Methyl tert-butyl Ether
Concen: 20.194 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

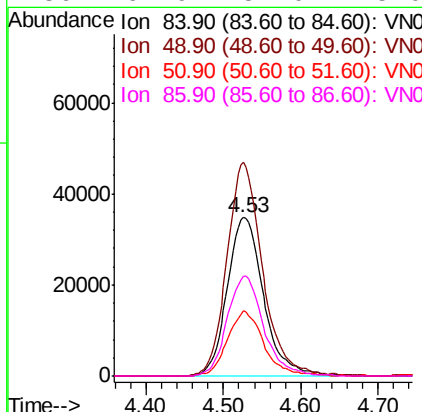
Instrument :
MSVOA_N
ClientSampled :
VN1105WBSD01

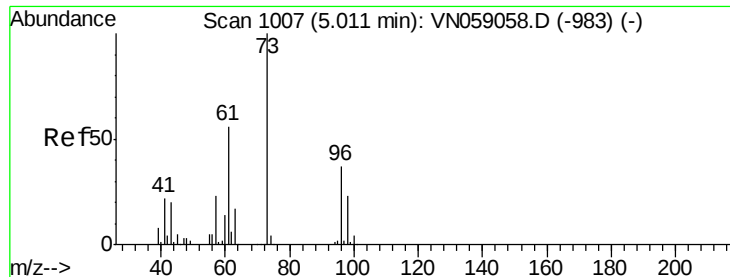
Tot Ion: 73 Resp: 340263
Ion Ratio Lower Upper
73 100
57 22.4 18.4 27.6



#20
Methylene Chloride
Concen: 19.347 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Tgt Ion: 84 Resp: 113341
Ion Ratio Lower Upper
84 100
49 134.8 106.4 159.6
51 41.0 33.0 49.4
86 62.9 52.0 78.0

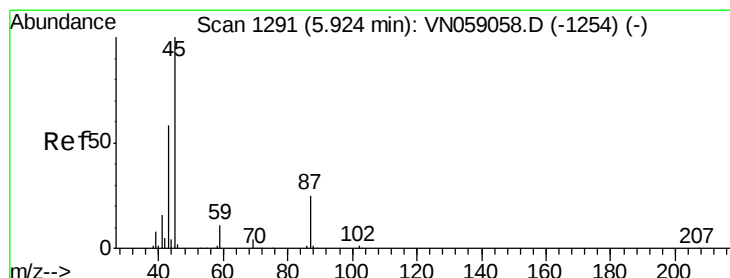
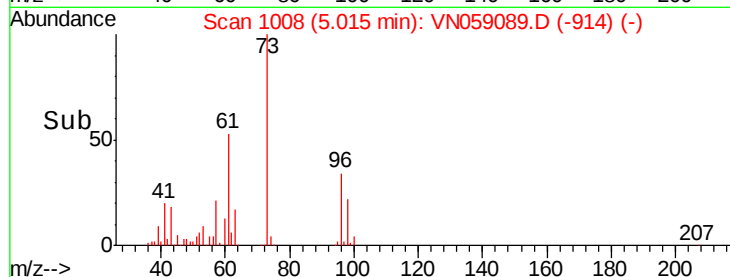
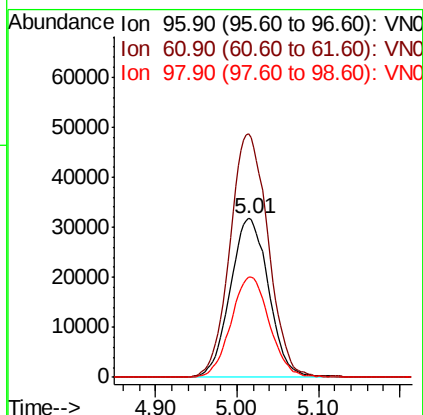
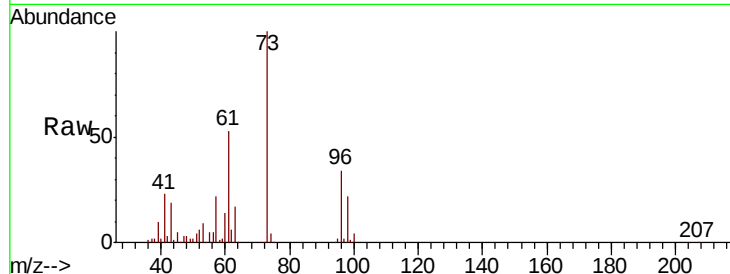




#21
trans-1,2-Dichloroethene
Concen: 19.587 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

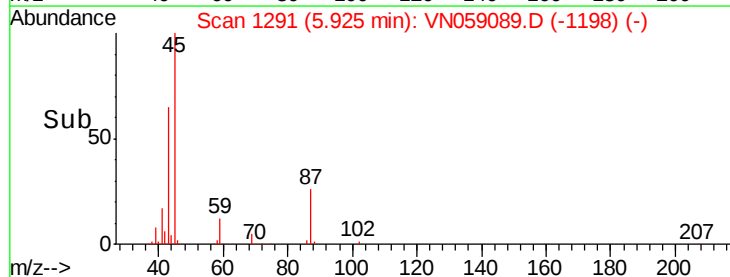
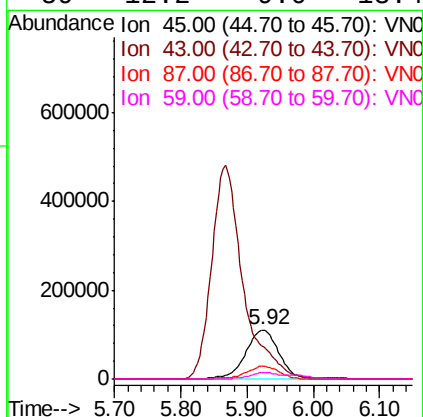
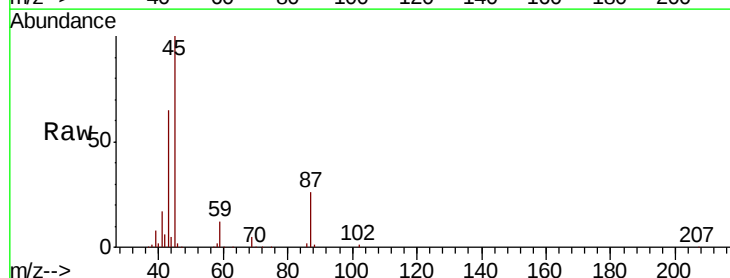
Instrument :
MSVOA_N
ClientSampleId :
VN1105WBSD01

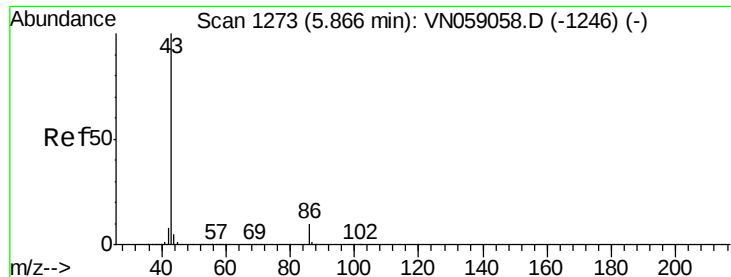
Tot Ion: 96 Resp: 104030
Ion Ratio Lower Upper
96 100
61 153.5 121.7 182.5
98 63.5 50.6 76.0



#22
Diisopropyl ether
Concen: 20.561 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Tgt Ion: 45 Resp: 383929
Ion Ratio Lower Upper
45 100
43 63.7 46.9 70.3
87 25.9 20.1 30.1
59 12.2 9.0 13.4





#23

Vinyl Acetate

Concen: 107.047 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampled :

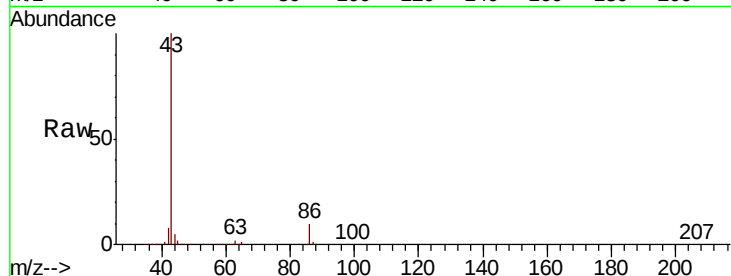
VN1105WBSD01

Tot Ion: 43 Resp: 1592026

Ion Ratio Lower Upper

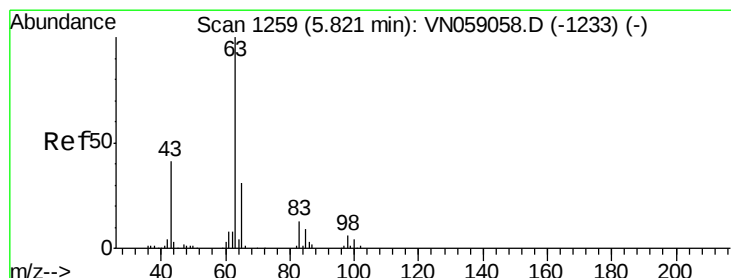
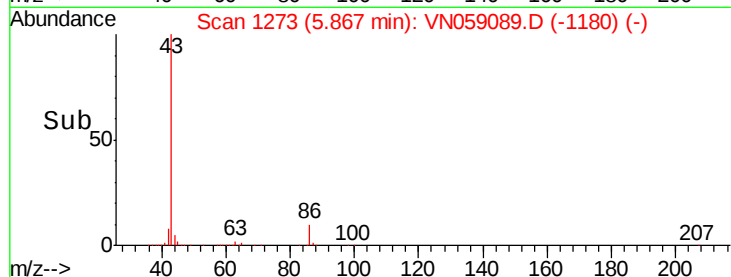
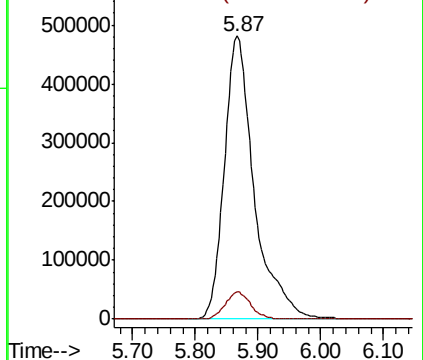
43 100

86 9.5 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.881 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

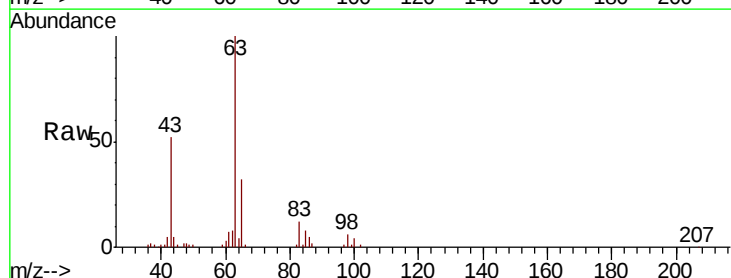
Tgt Ion: 63 Resp: 212239

Ion Ratio Lower Upper

63 100

98 6.4 3.2 9.6

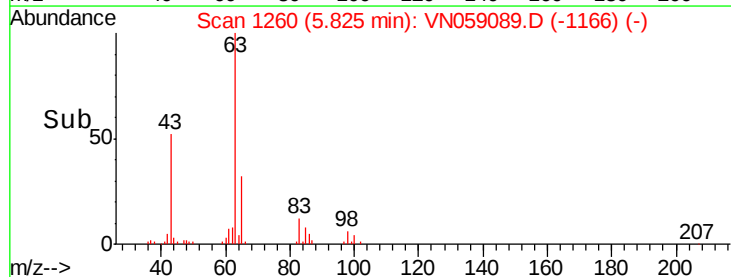
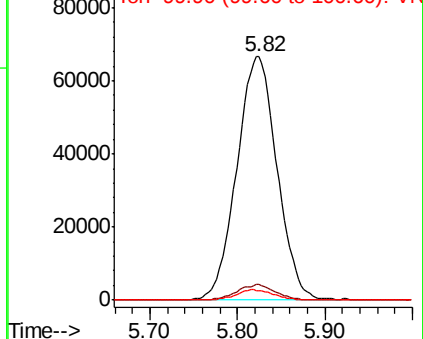
100 3.7 2.0 6.0

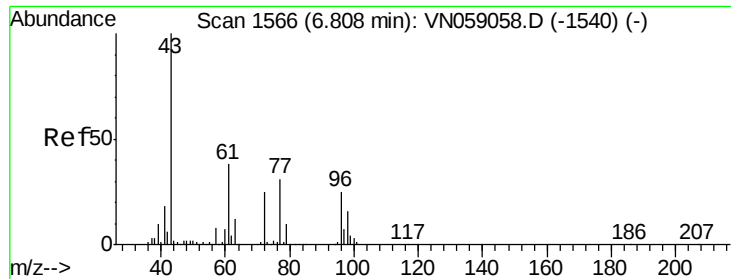


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 100.649 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

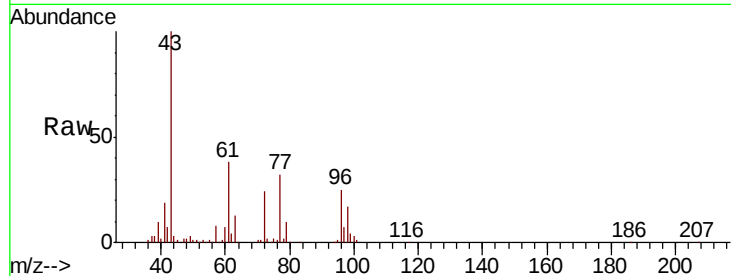
VN1105WBSD01

Tot Ion: 43 Resp: 448476

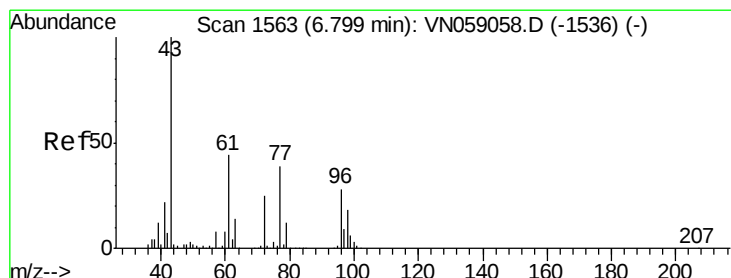
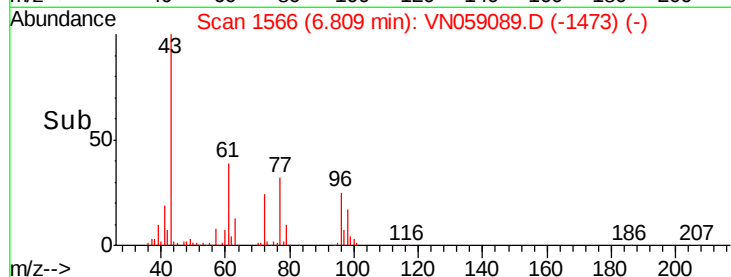
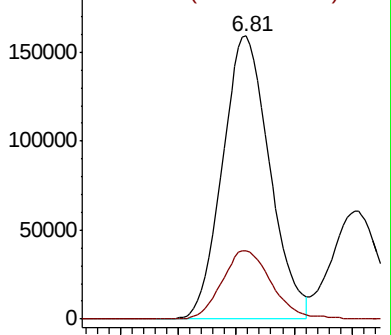
Ion Ratio Lower Upper

43 100

72 24.0 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-1540) (-)



#26

2,2-Dichloropropane

Concen: 19.418 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059089.D

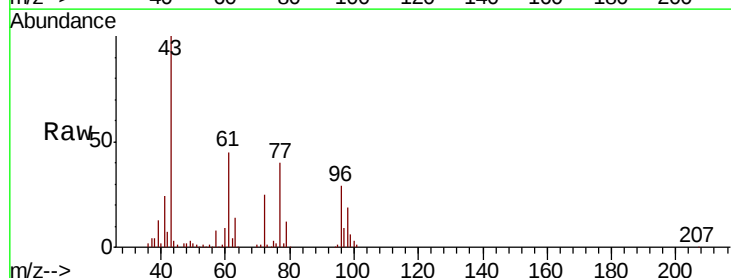
Acq: 5 Nov 2019 13:58

Tgt Ion: 77 Resp: 179931

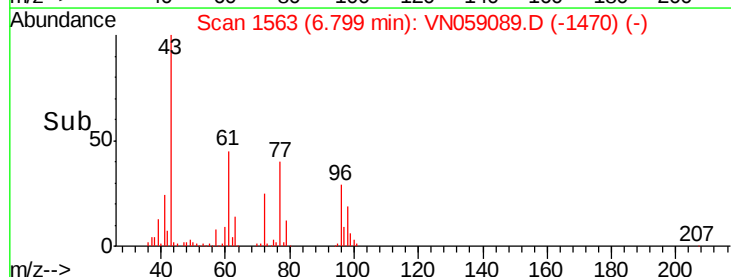
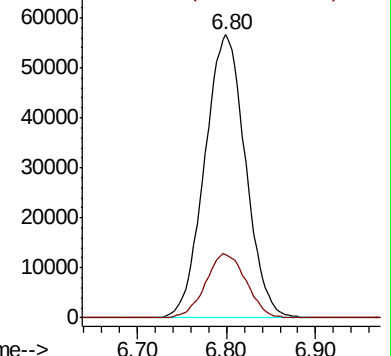
Ion Ratio Lower Upper

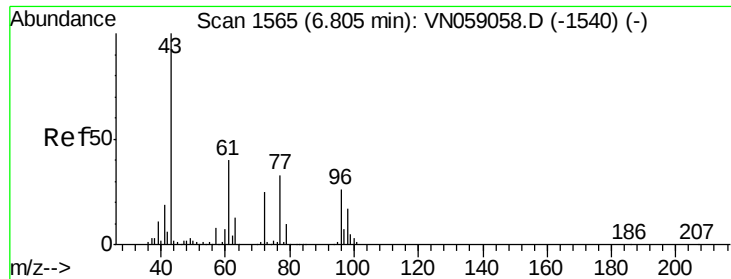
77 100

97 22.5 10.9 32.9



Abundance Ion 76.90 (76.60 to 77.60): VN059058.D (-1536) (-)

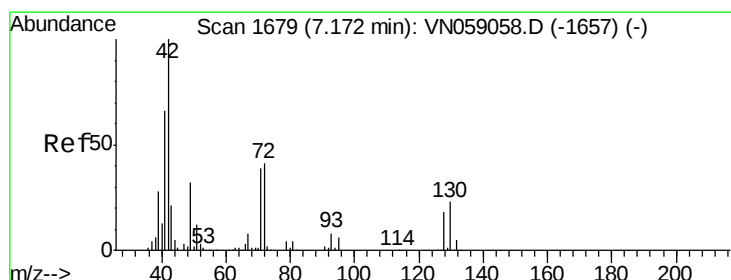
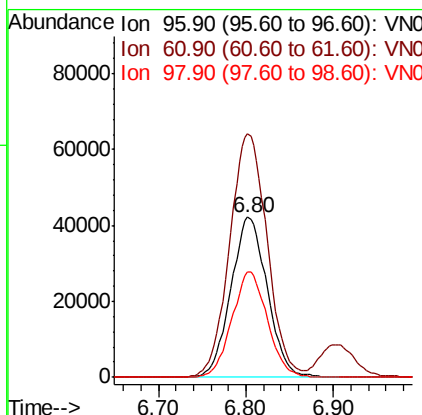
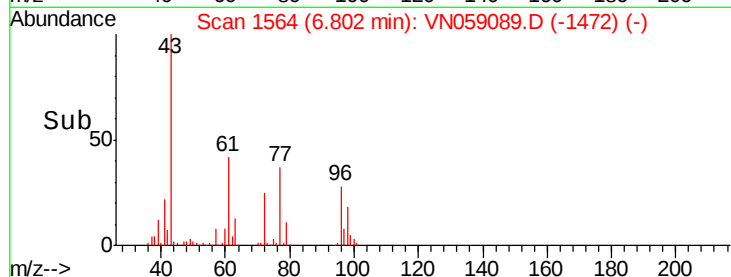
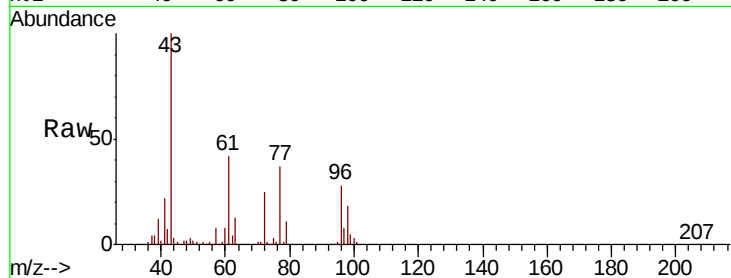




#27
 cis-1,2-Dichloroethene
 Concen: 20.395 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

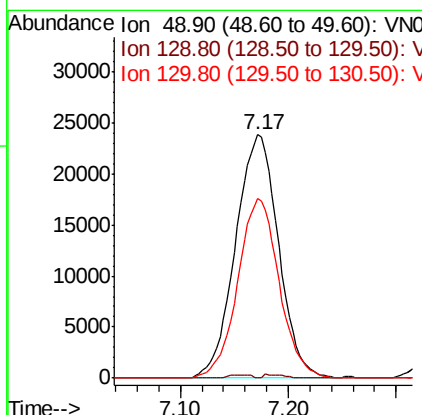
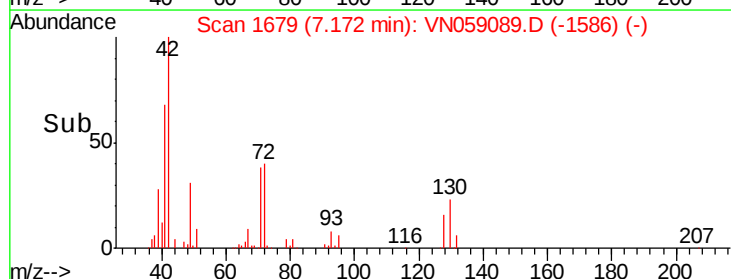
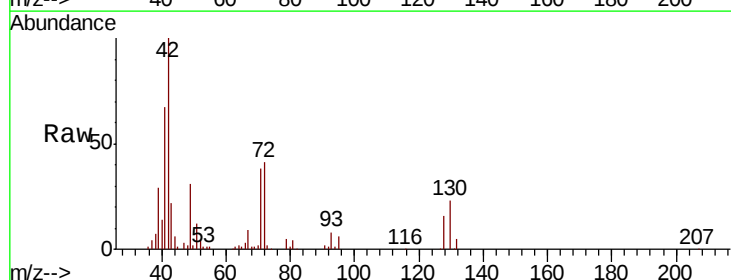
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBSD01

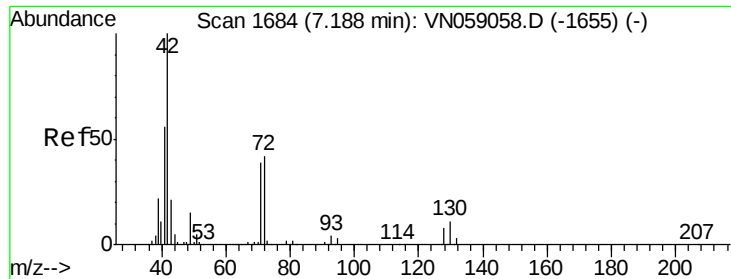
Tot Ion: 96 Resp: 121969
 Ion Ratio Lower Upper
 96 100
 61 156.5 0.0 316.4
 98 64.1 0.0 128.2



#28
 Bromochloromethane
 Concen: 19.988 ug/l
 RT: 7.17 min Scan# 1679
 Delta R.T. 0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

Tgt Ion: 49 Resp: 65857
 Ion Ratio Lower Upper
 49 100
 129 0.6 0.0 3.4
 130 71.1 55.0 82.6

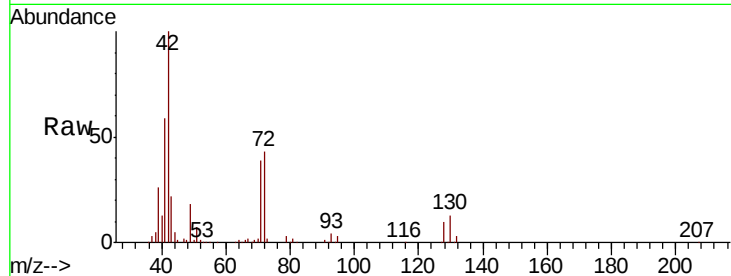




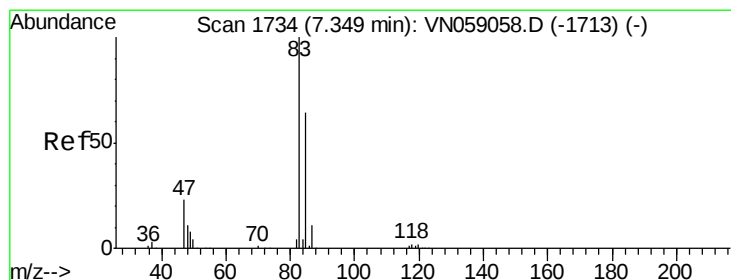
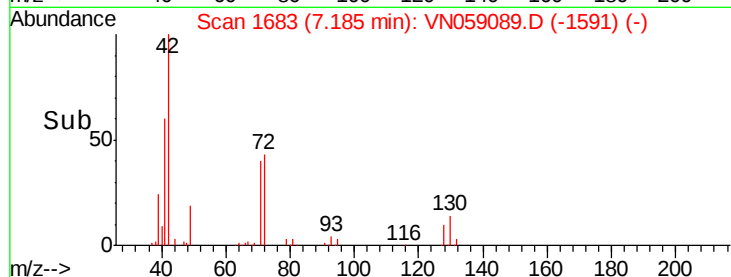
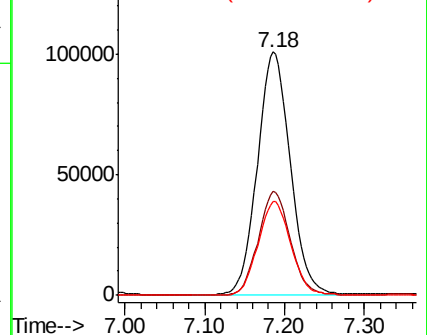
#29
Tetrahydrofuran
Concen: 101.224 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Instrument :
MSVOA_N
ClientSampled :
VN1105WBSD01

Tot Ion: 42 Resp: 284653
Ion Ratio Lower Upper
42 100
72 41.8 32.7 49.1
71 38.6 31.2 46.8

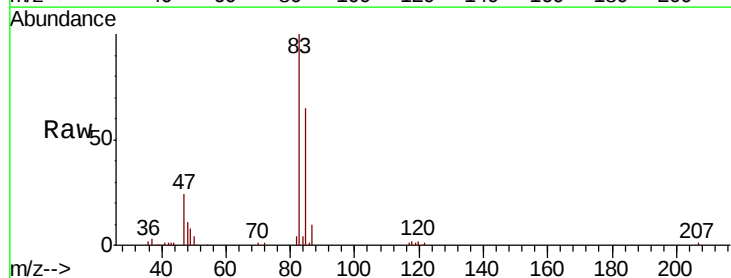


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

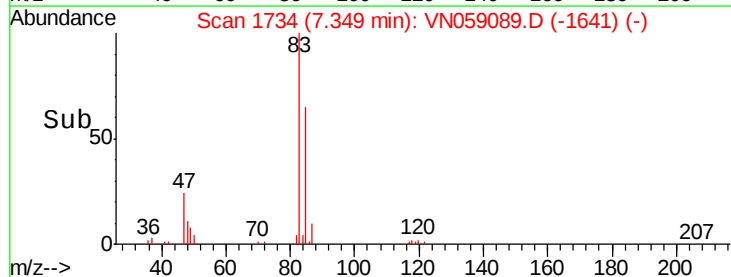
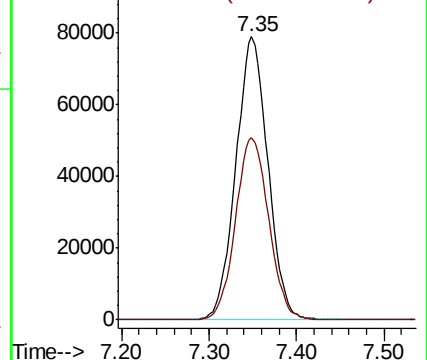


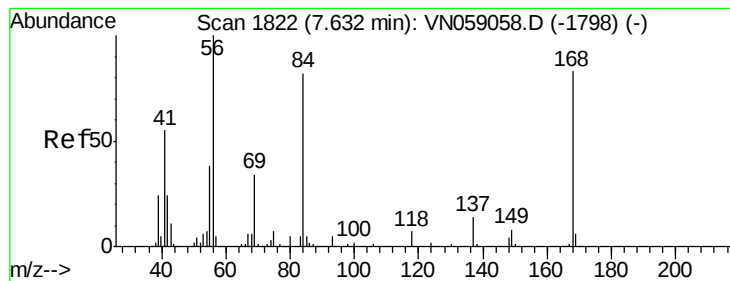
#30
Chloroform
Concen: 19.667 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Tgt Ion: 83 Resp: 200769
Ion Ratio Lower Upper
83 100
85 64.5 50.9 76.3



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





#31

Cyclohexane

Concen: 19.539 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

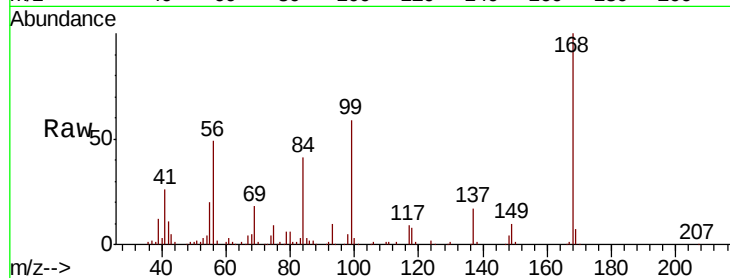
Tot Ion: 56 Resp: 198958

Ion Ratio Lower Upper

56 100

69 36.1 27.2 40.8

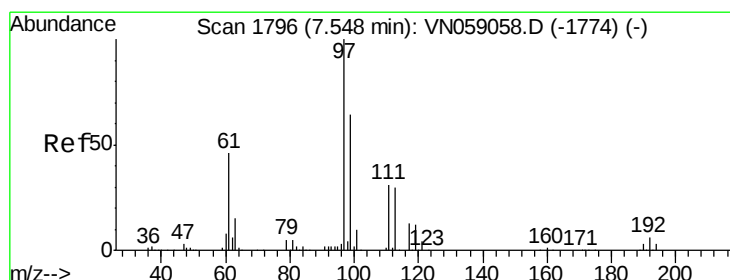
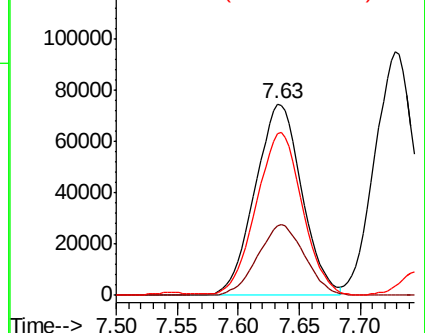
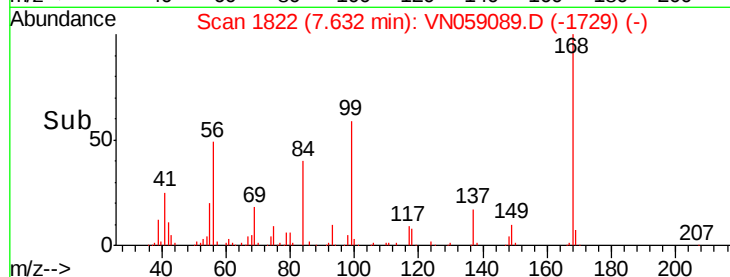
84 83.2 65.2 97.8



Abundance Ion 56.00 (55.70 to 56.70): VN059089.D (-1798) (-)

Ion 69.00 (68.70 to 69.70): VN059089.D (-1798) (-)

Ion 84.00 (83.70 to 84.70): VN059089.D (-1798) (-)



#32

1,1,1-Trichloroethane

Concen: 19.882 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

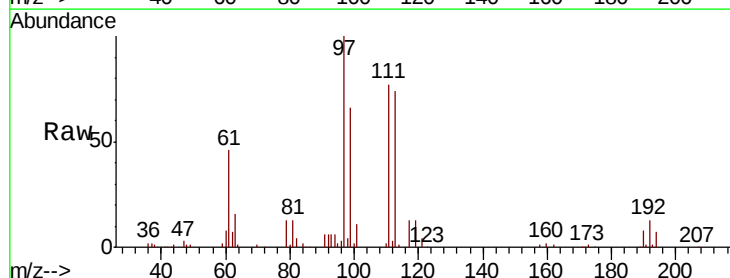
Tgt Ion: 97 Resp: 171720

Ion Ratio Lower Upper

97 100

99 65.2 50.7 76.1

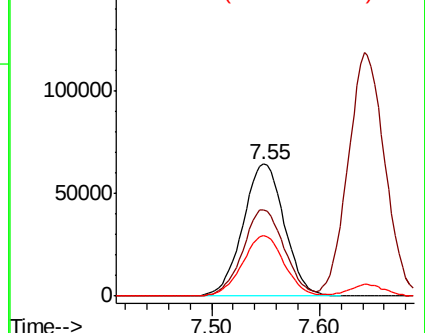
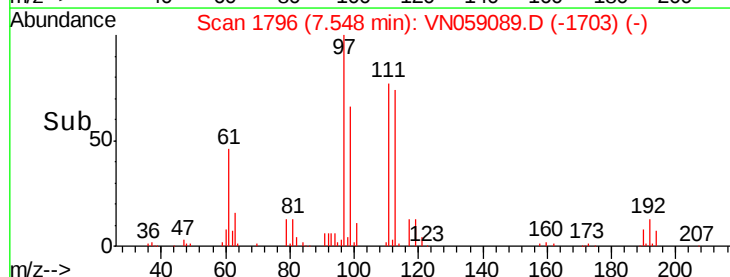
61 46.1 36.3 54.5

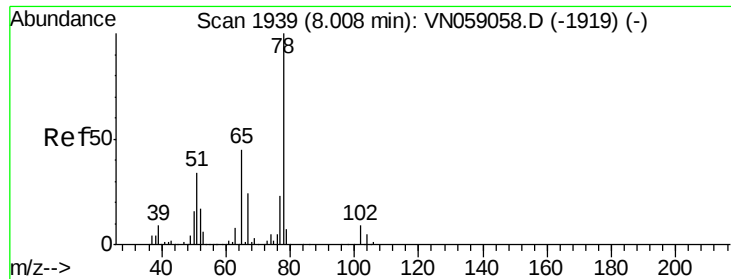


Abundance Ion 96.90 (96.60 to 97.60): VN059089.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN059089.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN059089.D (-1703) (-)

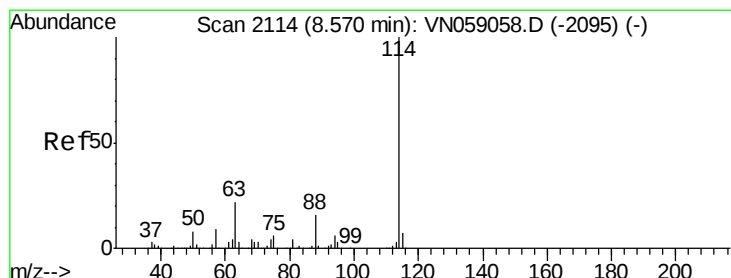
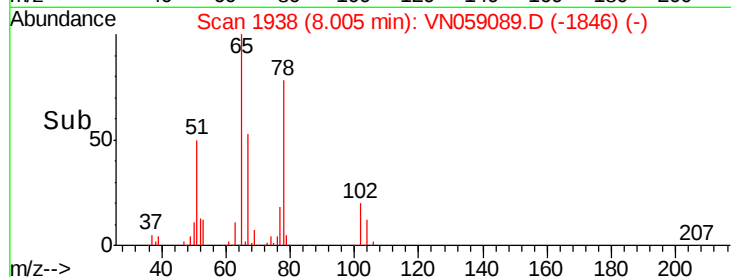
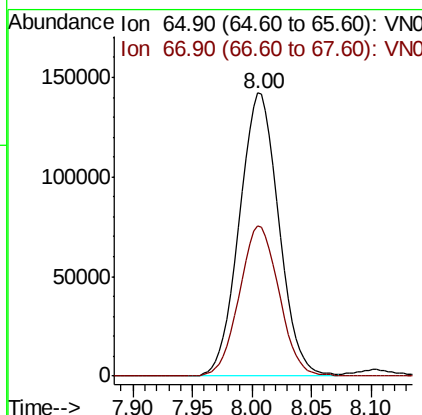
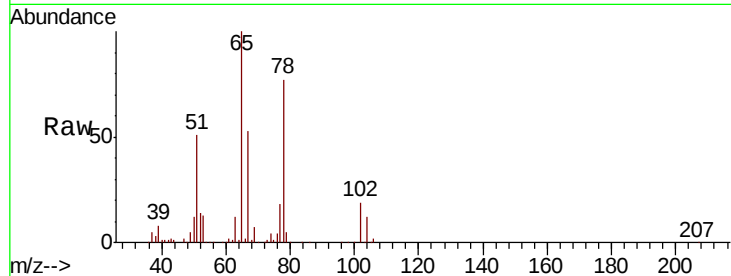




#33
 1,2-Dichloroethane-d4
 Concen: 49.479 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

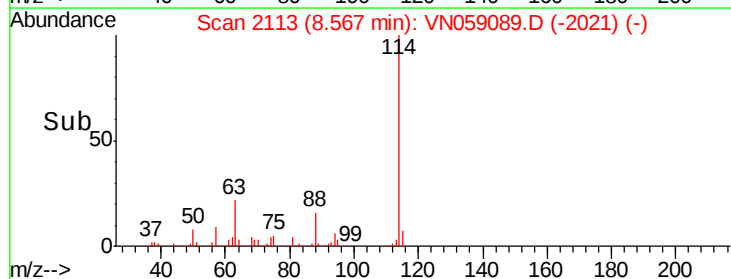
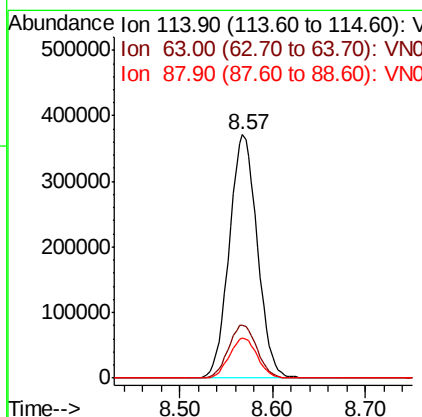
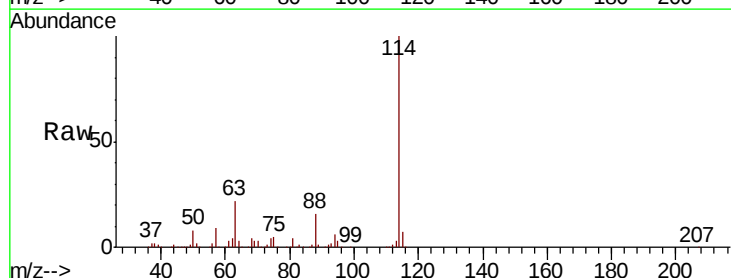
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBSD01

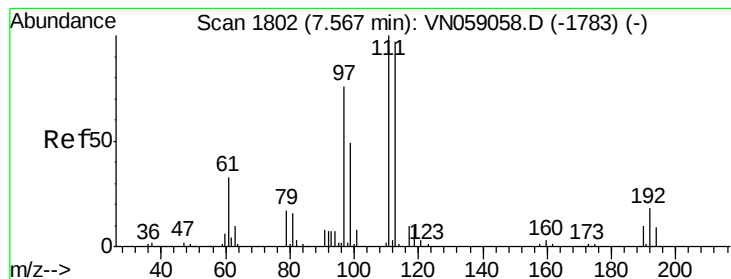
Tot Ion: 65 Resp: 327052
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

Tgt Ion: 114 Resp: 779032
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.2
 88 16.4 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.969 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

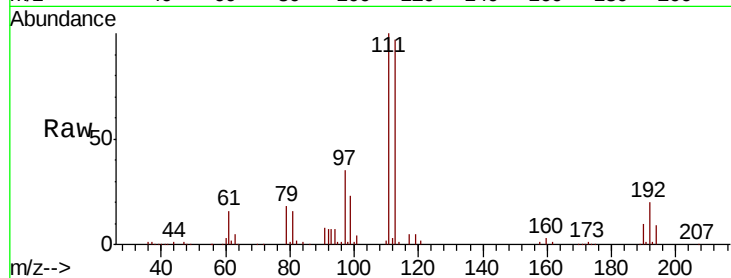
Tot Ion:113 Resp: 251129

Ion Ratio Lower Upper

113 100

111 102.1 82.9 124.3

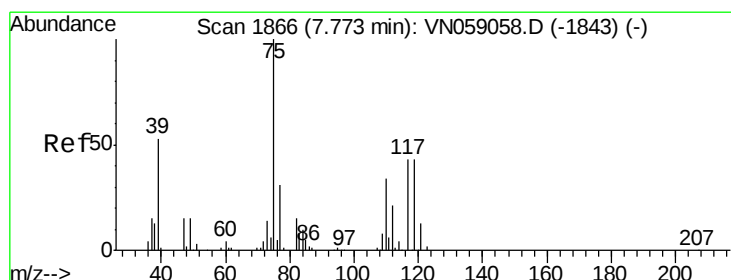
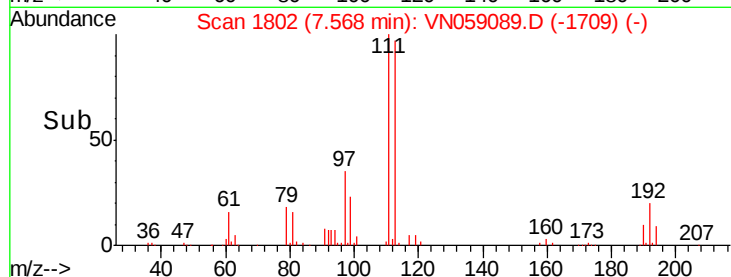
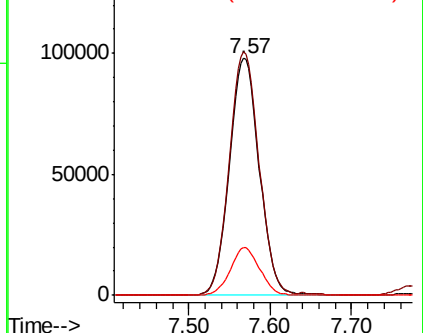
192 19.7 15.9 23.9



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: 20.195 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

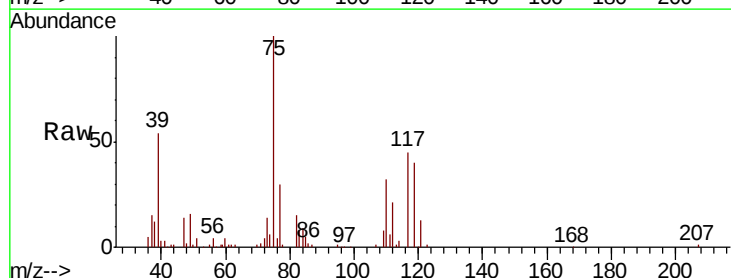
Tgt Ion: 75 Resp: 156361

Ion Ratio Lower Upper

75 100

110 32.7 16.9 50.6

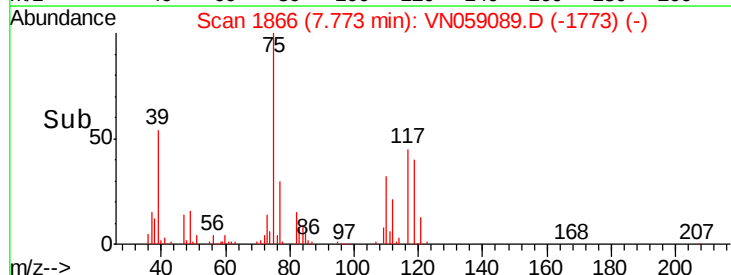
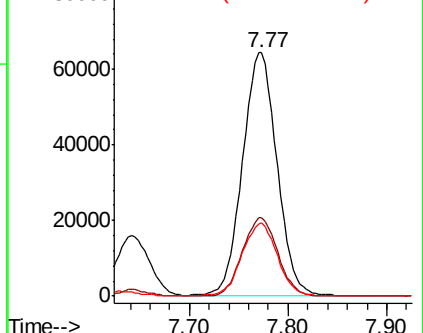
77 30.7 25.0 37.4

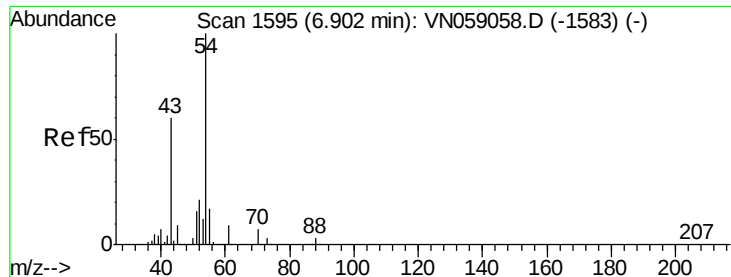


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

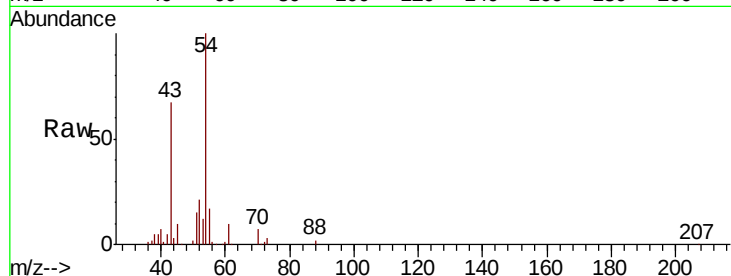




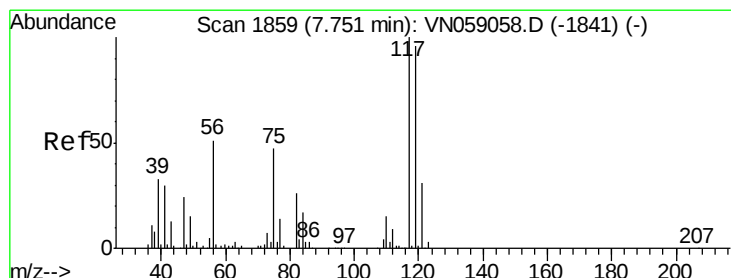
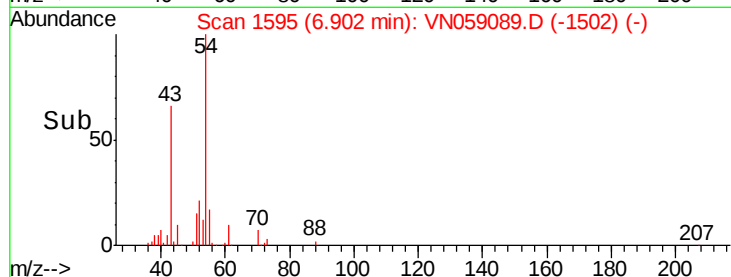
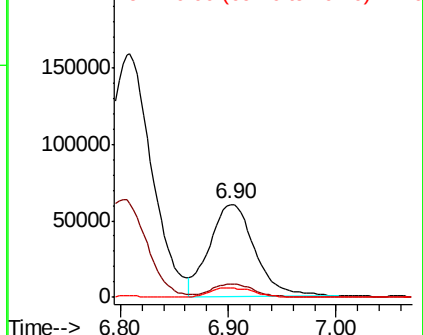
#37
Ethyl Acetate
Concen: 20.305 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBSD01

Tot Ion: 43 Resp: 174678
Ion Ratio Lower Upper
43 100
61 14.3 11.2 16.8
70 10.4 8.0 12.0

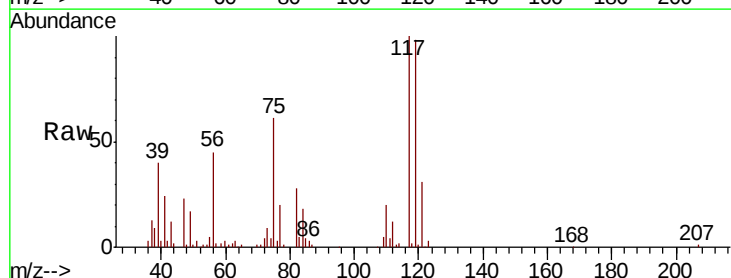


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

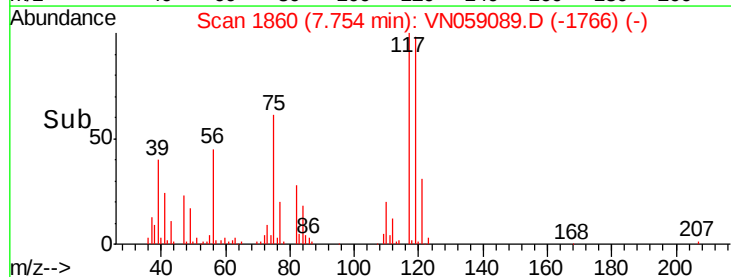
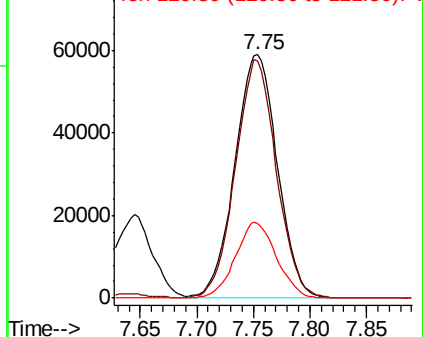


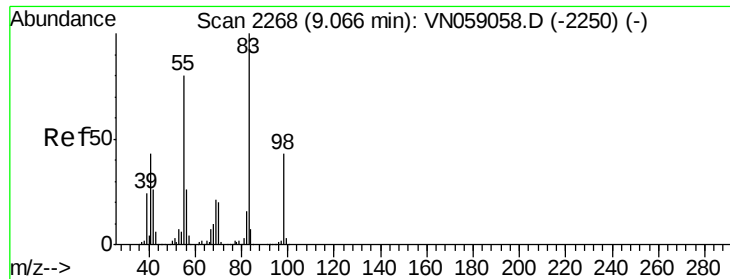
#38
Carbon Tetrachloride
Concen: 20.428 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Tgt Ion: 117 Resp: 154145
Ion Ratio Lower Upper
117 100
119 97.7 76.6 114.8
121 30.6 24.6 37.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

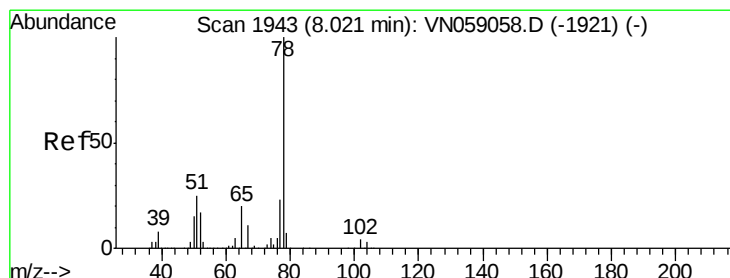
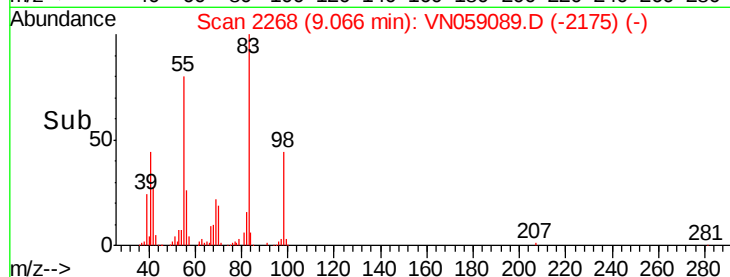
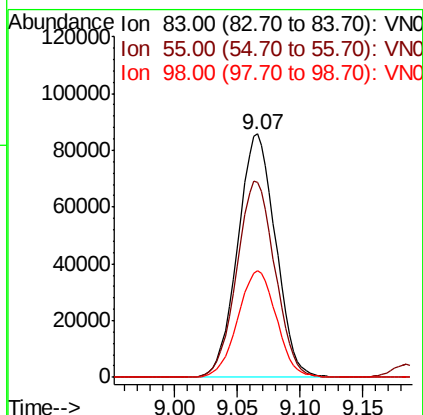
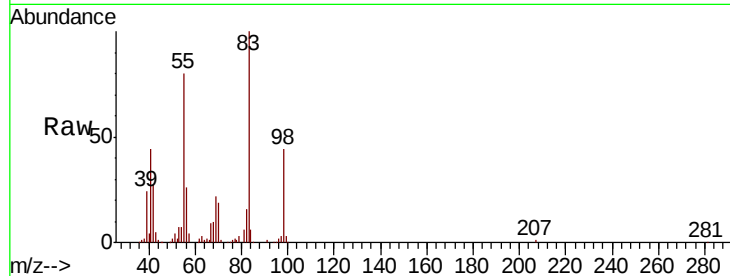




#39
Methylcyclohexane
Concen: 20.142 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

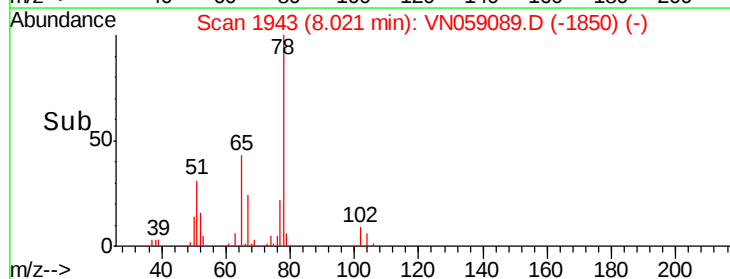
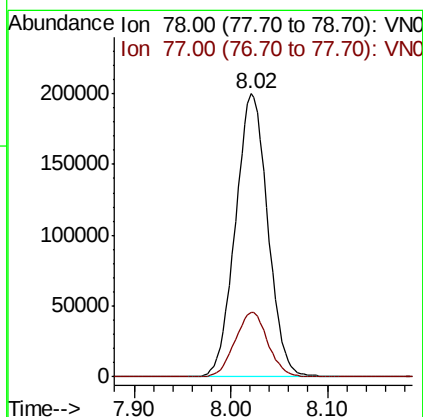
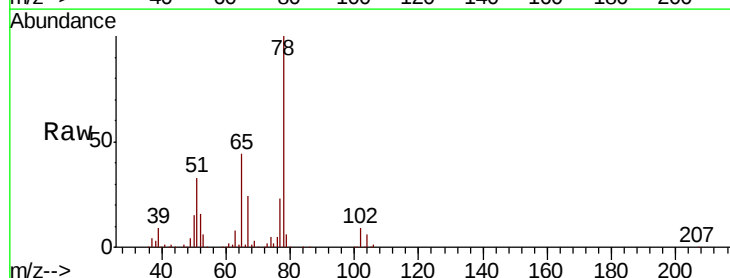
Instrument :
MSVOA_N
ClientSampleId :
VN1105WBSD01

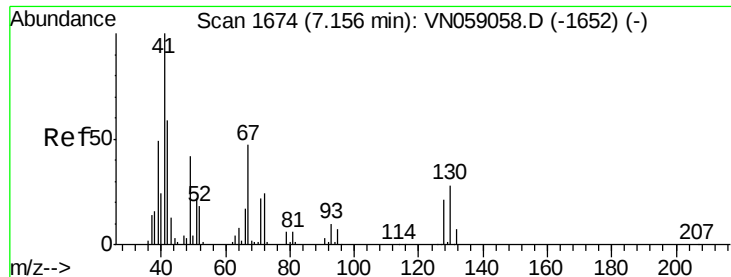
Tot Ion: 83 Resp: 180262
Ion Ratio Lower Upper
83 100
55 80.0 64.1 96.1
98 43.9 34.3 51.5



#40
Benzene
Concen: 20.241 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Tgt Ion: 78 Resp: 465107
Ion Ratio Lower Upper
78 100
77 22.6 18.6 27.8





#41

Methacrylonitrile

Concen: 21.187 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.01 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

Tot Ion: 41 Resp: 78815

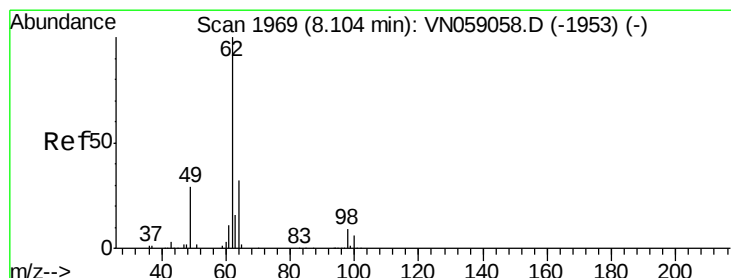
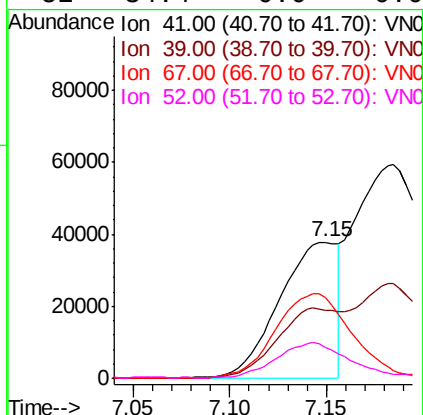
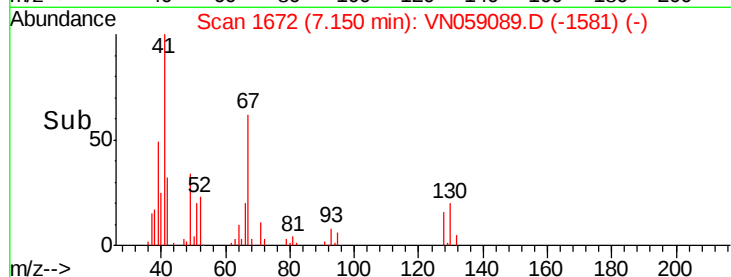
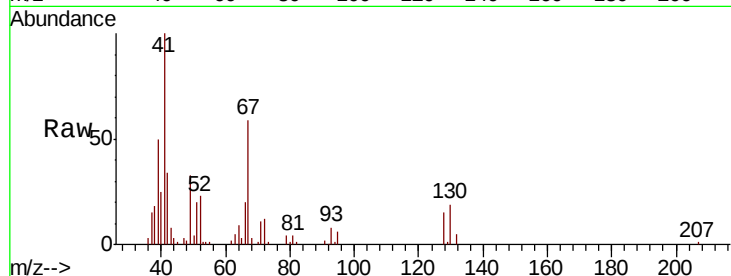
Ion Ratio Lower Upper

41 100

39 57.3 0.0 0.0#

67 82.6 0.0 0.0#

52 34.4 0.0 0.0#



#42

1,2-Dichloroethane

Concen: 20.046 ug/l

RT: 8.10 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VN059089.D

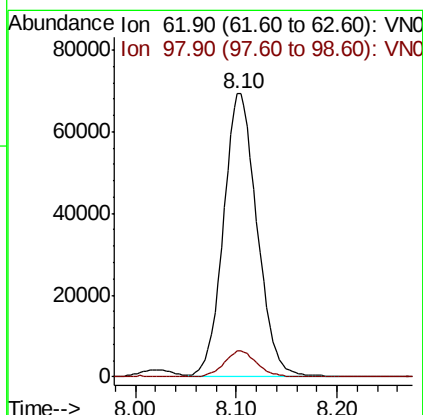
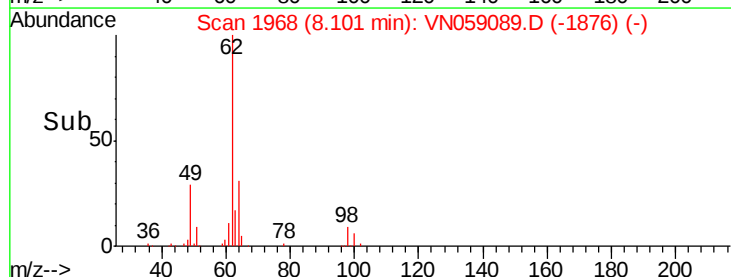
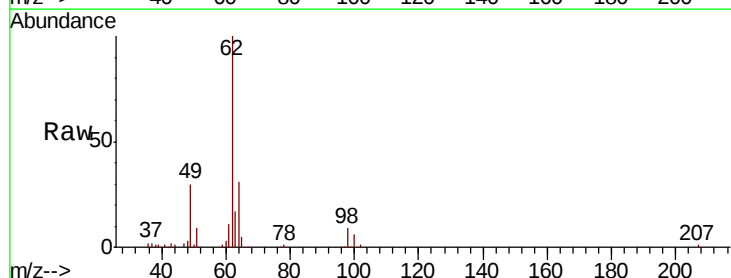
Acq: 5 Nov 2019 13:58

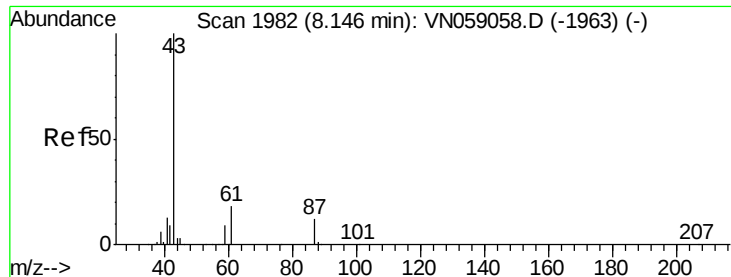
Tgt Ion: 62 Resp: 159967

Ion Ratio Lower Upper

62 100

98 9.0 0.0 18.0





#43

Isopropyl Acetate

Concen: 20.109 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

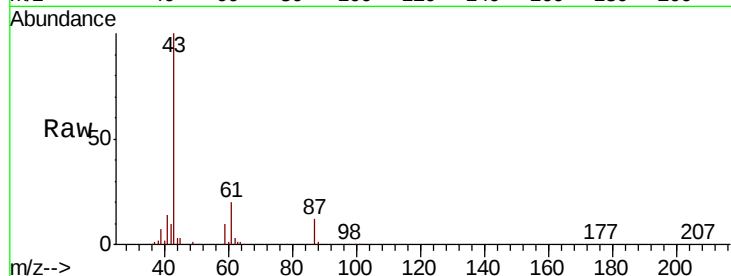
Tot Ion: 43 Resp: 270537

Ion Ratio Lower Upper

43 100

61 25.7 20.5 30.7

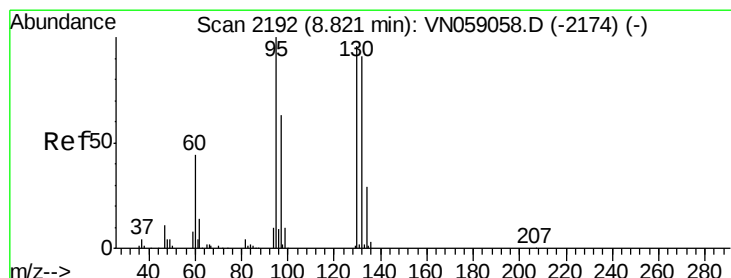
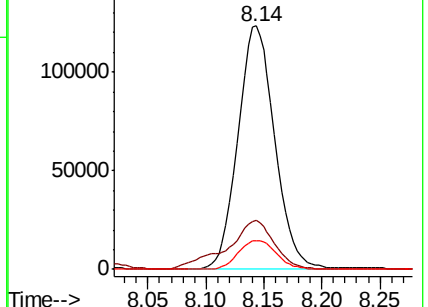
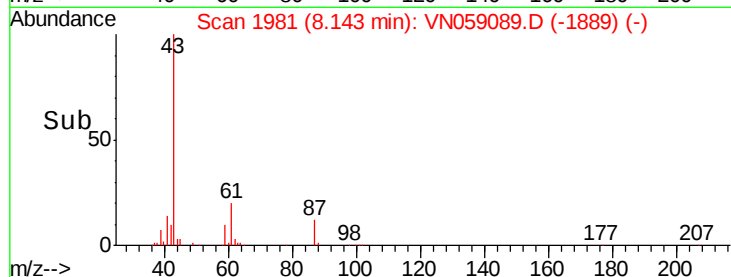
87 12.3 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN059058.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN059058.D (-1963) (-)



#44

Trichloroethene

Concen: 20.035 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059089.D

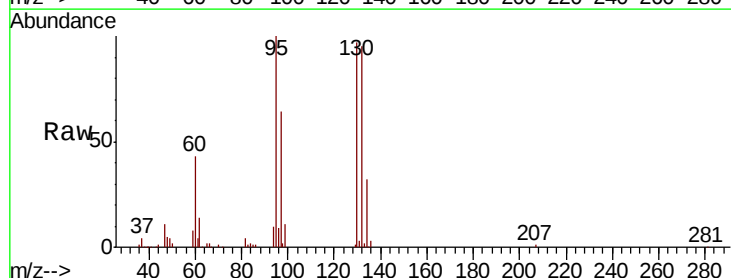
Acq: 5 Nov 2019 13:58

Tgt Ion:130 Resp: 113266

Ion Ratio Lower Upper

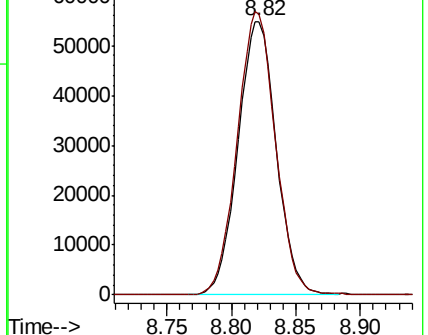
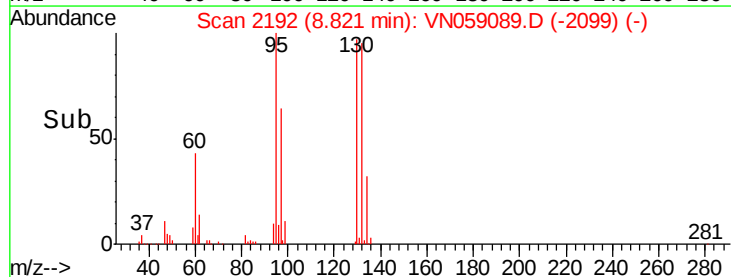
130 100

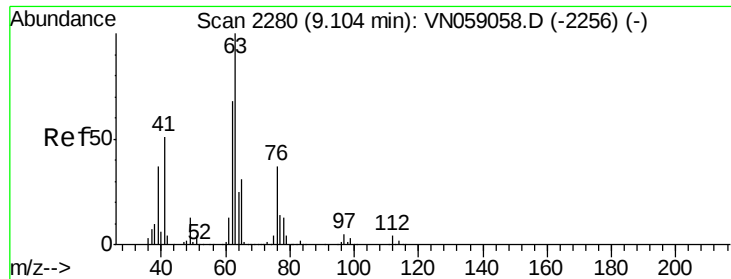
95 102.7 0.0 207.6



Abundance Ion 129.80 (129.50 to 130.50): VN059058.D (-2174) (-)

Ion 94.90 (94.60 to 95.60): VN059058.D (-2174) (-)





#45

1,2-Dichloropropane

Concen: 20.235 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

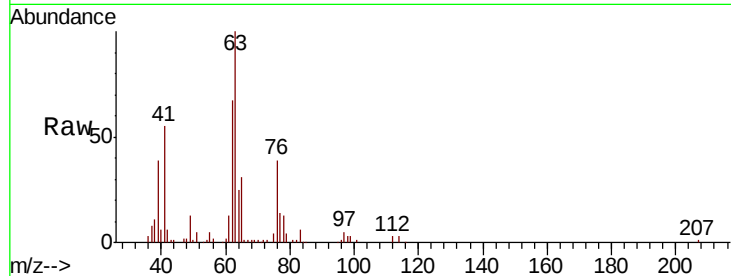
VN1105WBSD01

Tot Ion: 63 Resp: 125743

Ion Ratio Lower Upper

63 100

65 31.3 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN059058.D (-2256) (-)

Ion 64.90 (64.60 to 65.60): VN059058.D (-2256) (-)

60000

40000

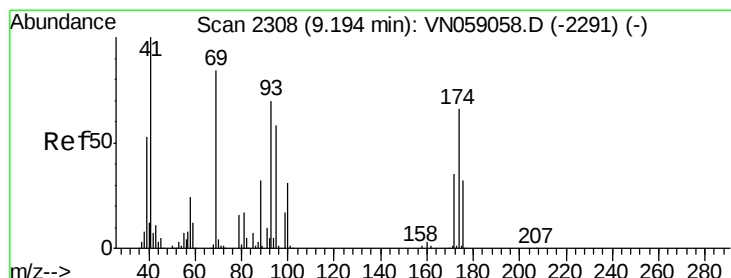
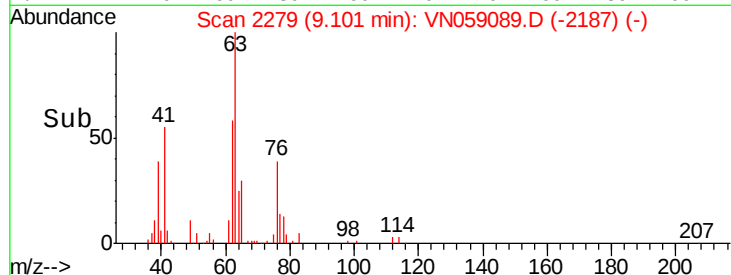
20000

0

9.10

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 20.078 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

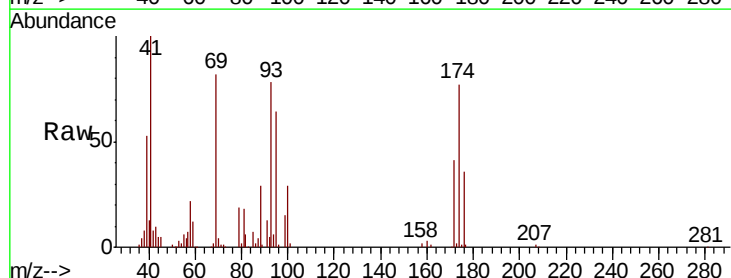
Tgt Ion: 93 Resp: 77113

Ion Ratio Lower Upper

93 100

95 82.4 67.2 100.8

174 98.0 78.3 117.5



Abundance Ion 92.80 (92.50 to 93.50): VN059058.D (-2291) (-)

Ion 94.80 (94.50 to 95.50): VN059058.D (-2291) (-)

Ion 173.70 (173.40 to 174.40): VN059058.D (-2291) (-)

50000

40000

30000

20000

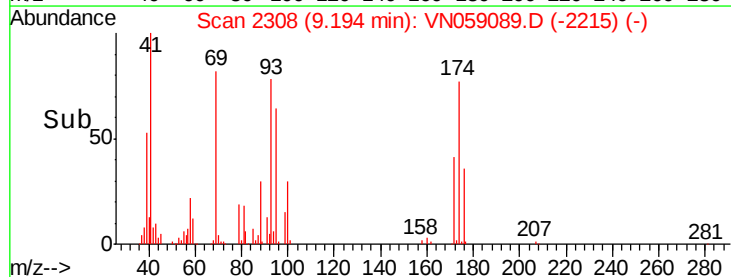
10000

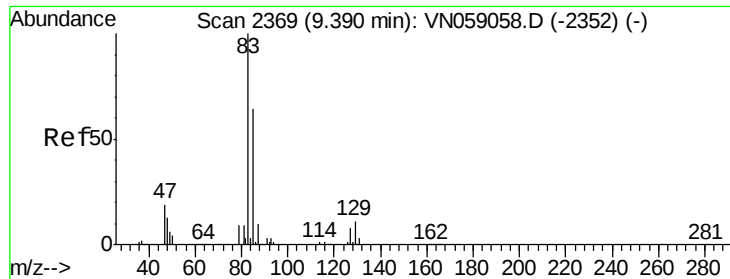
0

9.19

9.10 9.15 9.20 9.25

Time-->





#47

Bromodichloromethane

Concen: 20.164 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

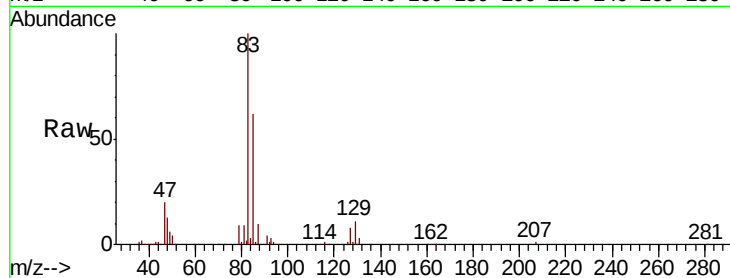
Tot Ion: 83 Resp: 156843

Ion Ratio Lower Upper

83 100

85 62.2 51.2 76.8

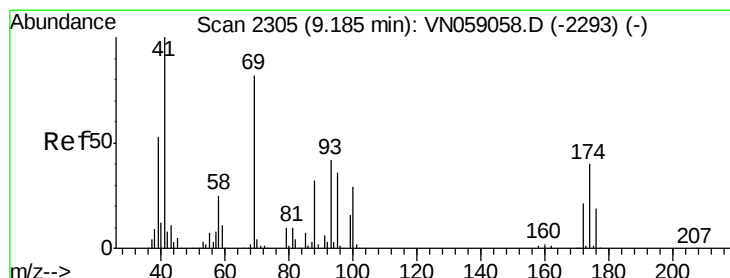
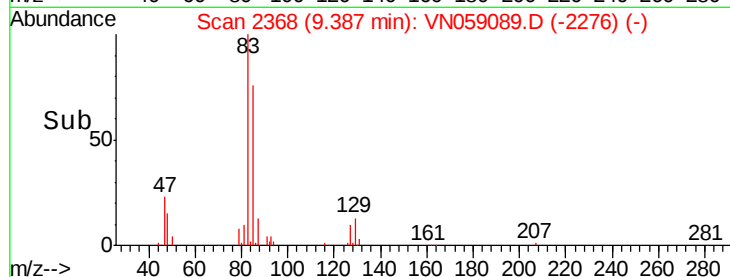
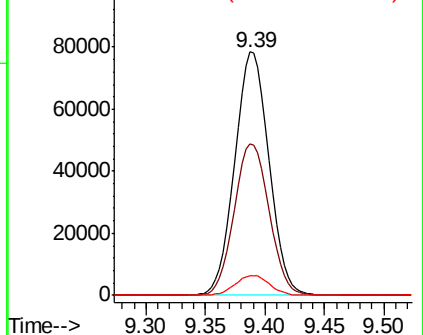
127 8.1 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN059058.D (-2352) (-)

Ion 84.90 (84.60 to 85.60): VN059058.D (-2352) (-)

Ion 126.80 (126.50 to 127.50): VN059058.D (-2352) (-)



#48

Methyl methacrylate

Concen: 19.656 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

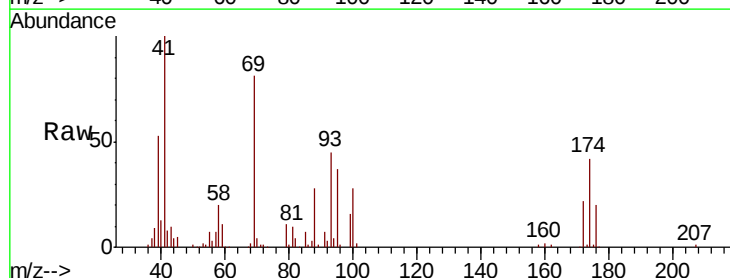
Tgt Ion: 41 Resp: 120575

Ion Ratio Lower Upper

41 100

69 83.3 67.1 100.7

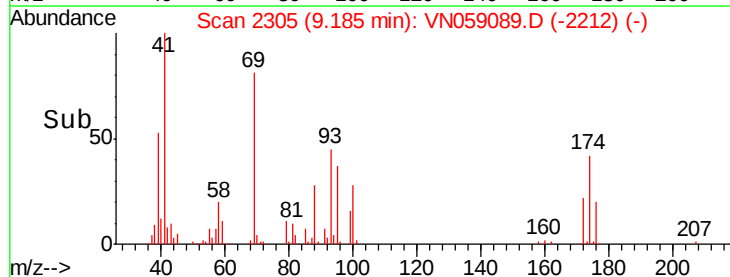
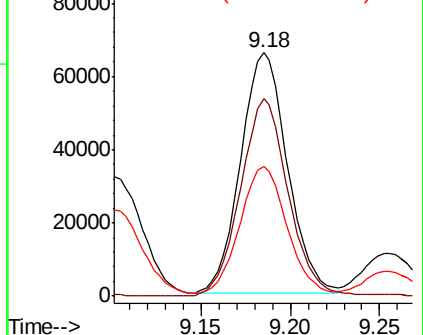
39 52.7 43.3 64.9

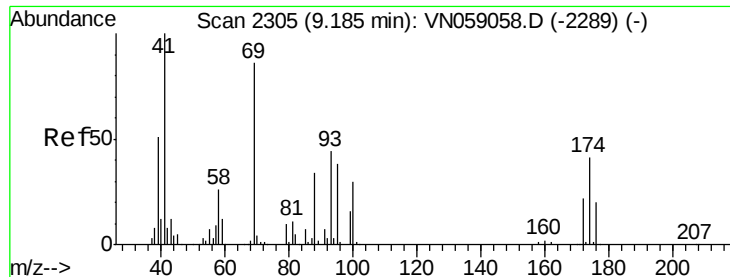


Abundance Ion 41.00 (40.70 to 41.70): VN059058.D (-2293) (-)

Ion 69.00 (68.70 to 69.70): VN059058.D (-2293) (-)

Ion 39.00 (38.70 to 39.70): VN059058.D (-2293) (-)

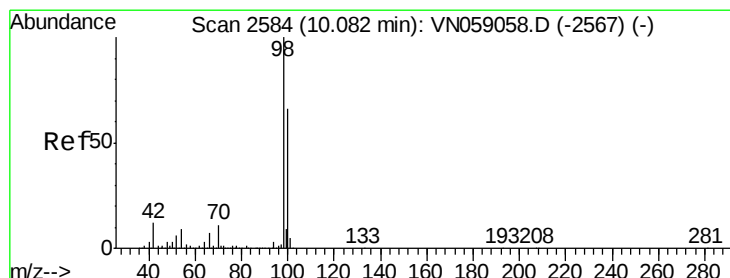
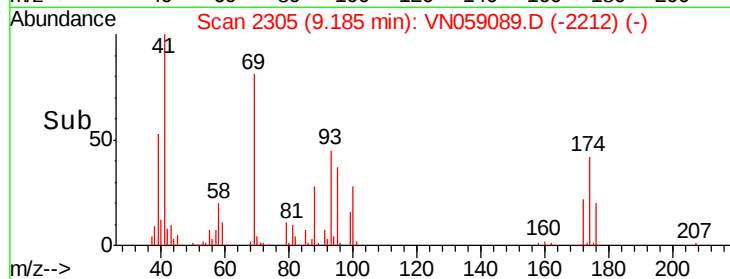
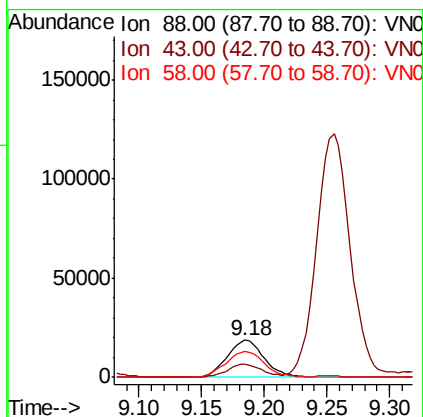
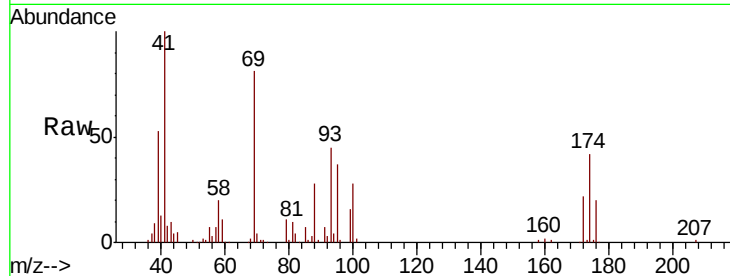




#49
 1,4-Dioxane
 Concen: 383.621 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. 0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

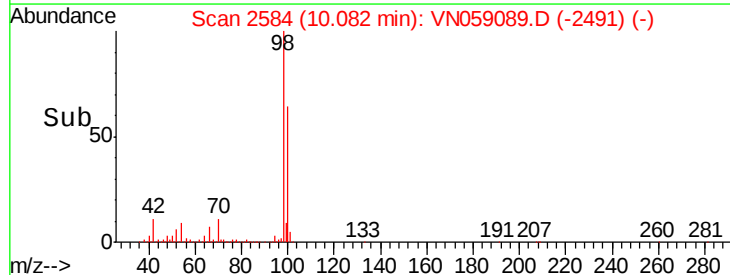
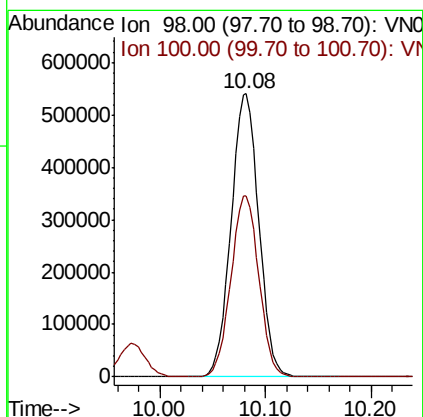
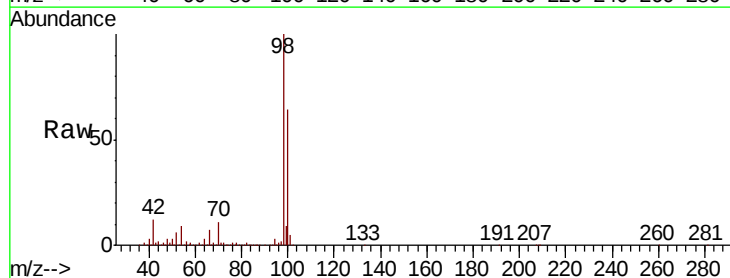
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBSD01

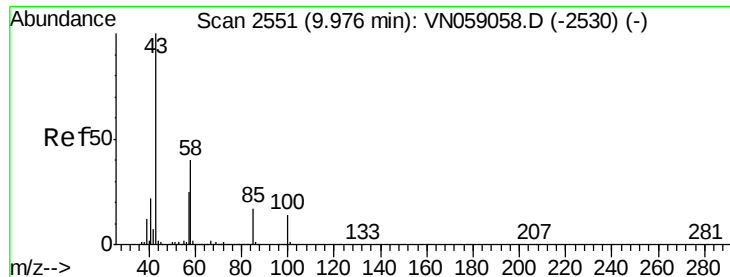
Tot Ion: 88 Resp: 38386
 Ion Ratio Lower Upper
 88 100
 43 32.1 26.2 39.2
 58 72.5 59.1 88.7



#50
 Toluene-d8
 Concen: 50.136 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. 0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

Tgt Ion: 98 Resp: 980994
 Ion Ratio Lower Upper
 98 100
 100 64.5 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 109.302 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

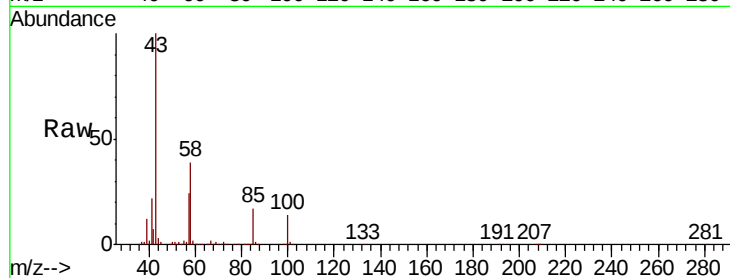
VN1105WBSD01

Tot Ion: 43 Resp: 854221

Ion Ratio Lower Upper

43 100

58 38.7 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-2530) (-)

Ion 58.00 (57.70 to 58.70): VN059058.D (-2530) (-)

9.97

500000

400000

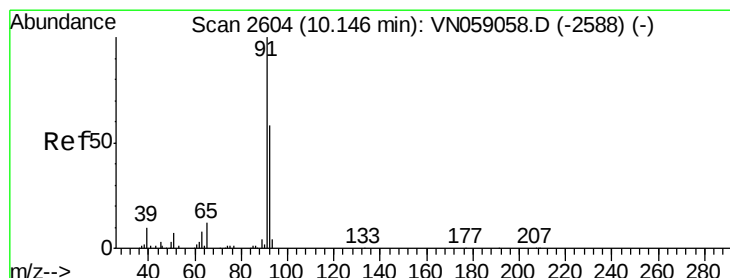
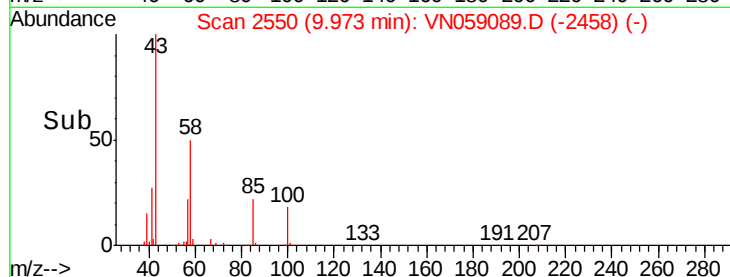
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.008 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059089.D

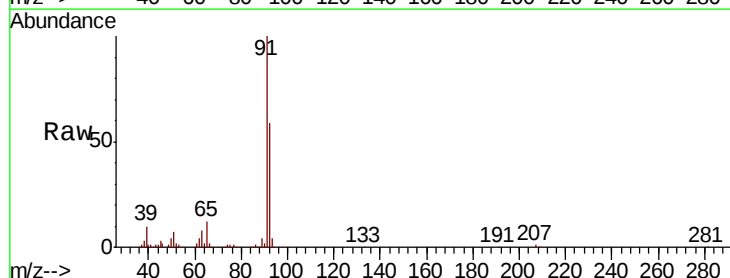
Acq: 5 Nov 2019 13:58

Tgt Ion: 92 Resp: 282844

Ion Ratio Lower Upper

92 100

91 169.9 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN059058.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN059058.D (-2588) (-)

10.15

300000

250000

200000

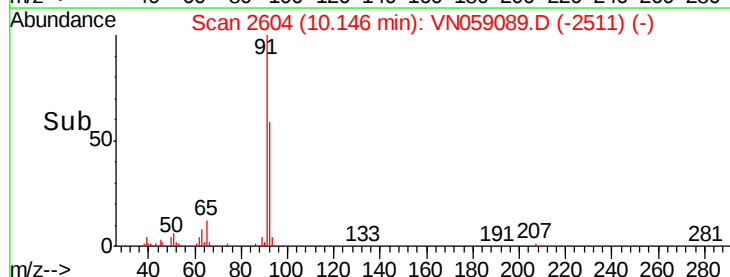
150000

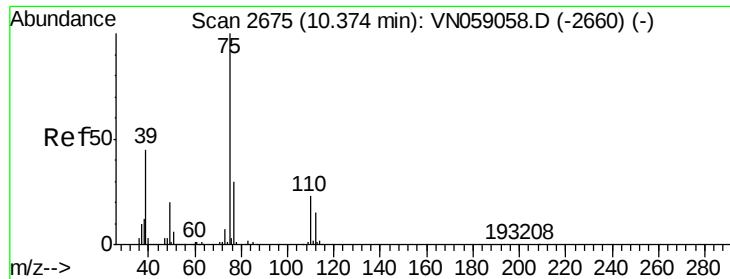
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.863 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

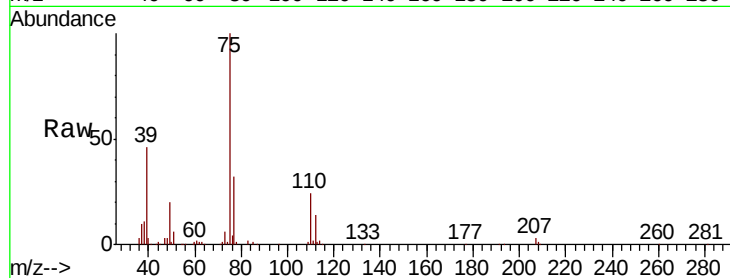
VN1105WBSD01

Tot Ion: 75 Resp: 178655

Ion Ratio Lower Upper

75 100

77 31.1 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

100000

80000

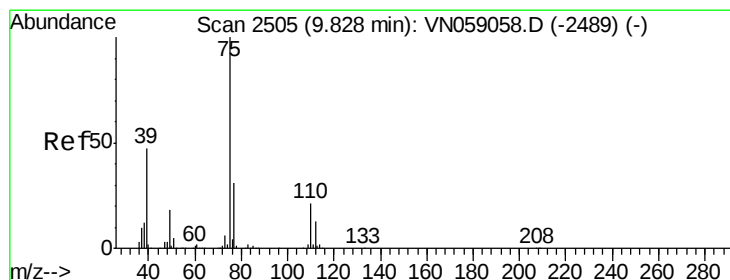
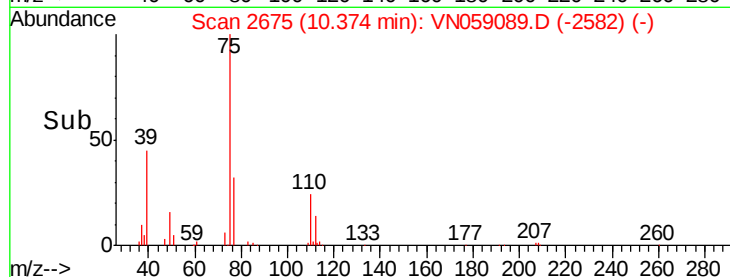
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.514 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

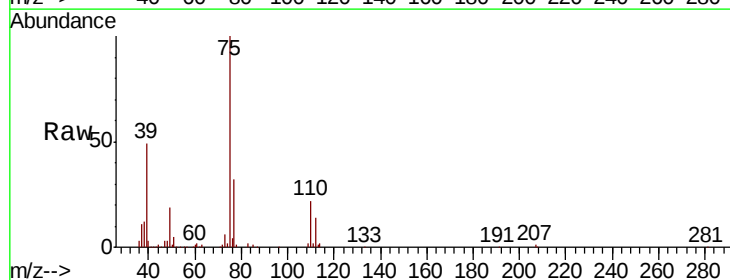
Tgt Ion: 75 Resp: 194613

Ion Ratio Lower Upper

75 100

77 32.4 24.6 37.0

39 48.6 37.4 56.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

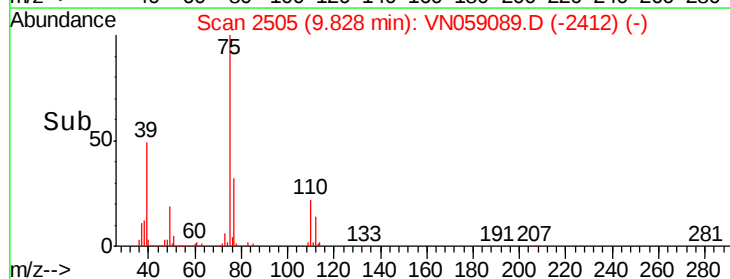
9.83

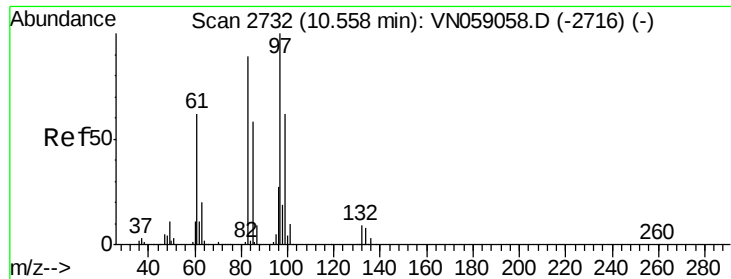
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.241 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

Tot Ion: 97 Resp: 111014

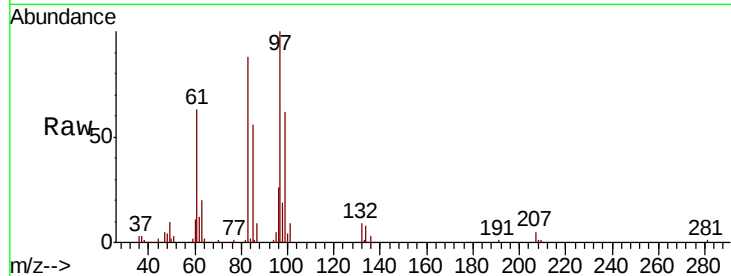
Ion Ratio Lower Upper

97 100

83 87.5 71.4 107.2

85 56.1 46.6 70.0

99 62.4 49.7 74.5

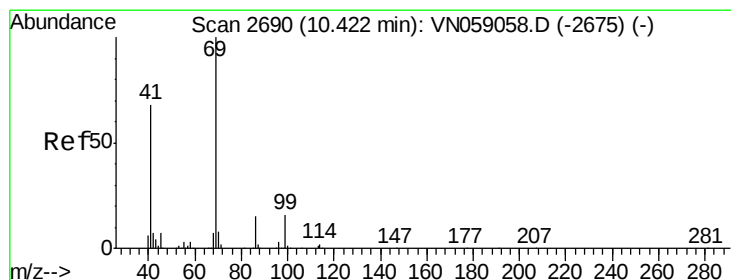
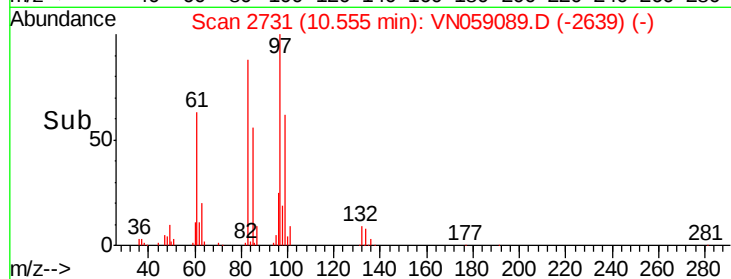
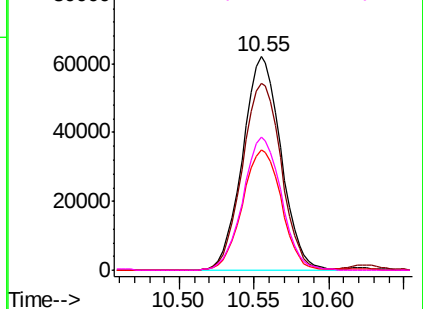


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 19.270 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

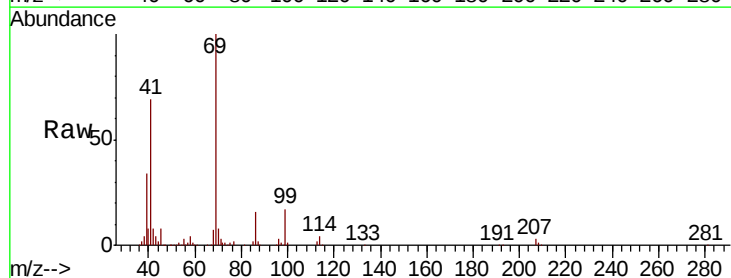
Tgt Ion: 69 Resp: 168308

Ion Ratio Lower Upper

69 100

41 68.3 53.8 80.8

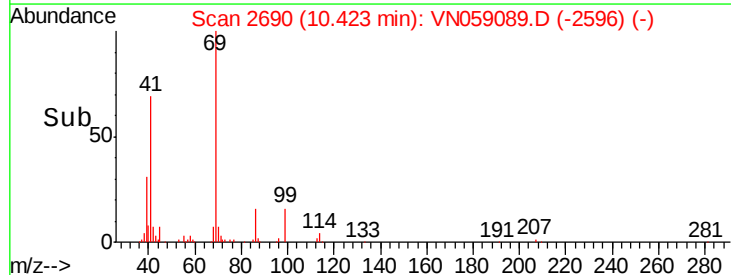
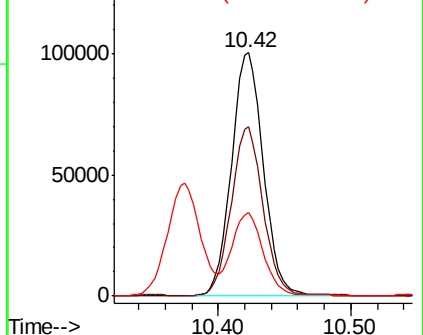
39 33.4 26.2 39.2

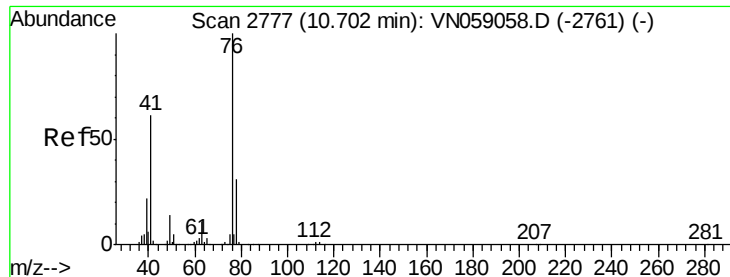


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.474 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

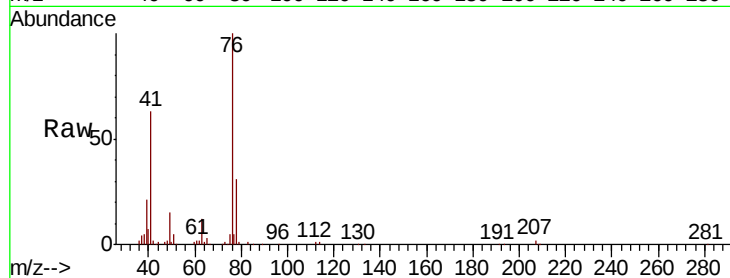
VN1105WBSD01

Tot Ion: 76 Resp: 195284

Ion Ratio Lower Upper

76 100

78 31.5 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

120000

100000

80000

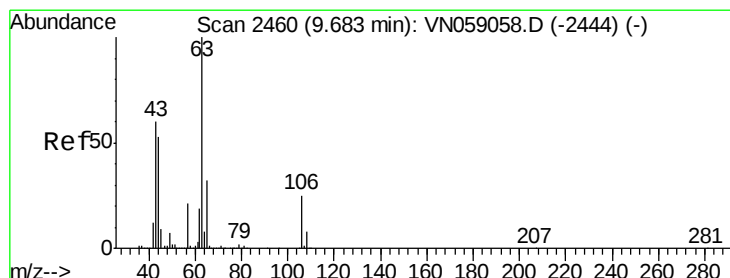
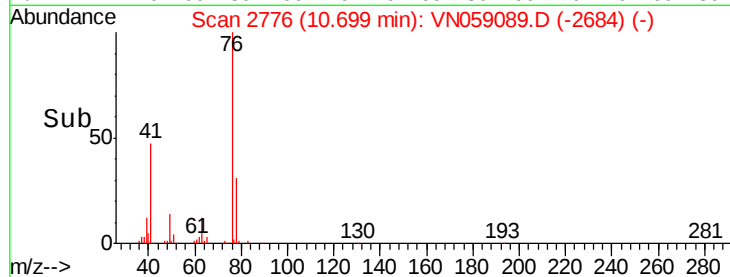
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 106.016 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059089.D

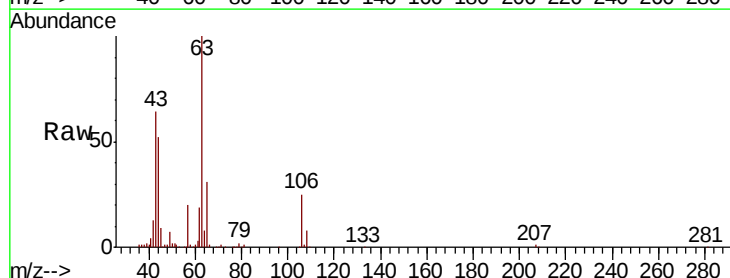
Acq: 5 Nov 2019 13:58

Tgt Ion: 63 Resp: 357781

Ion Ratio Lower Upper

63 100

106 25.0 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

200000

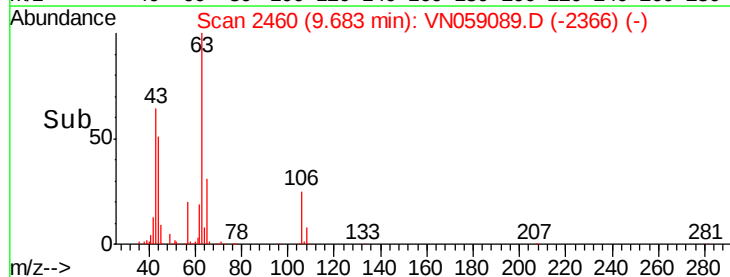
150000

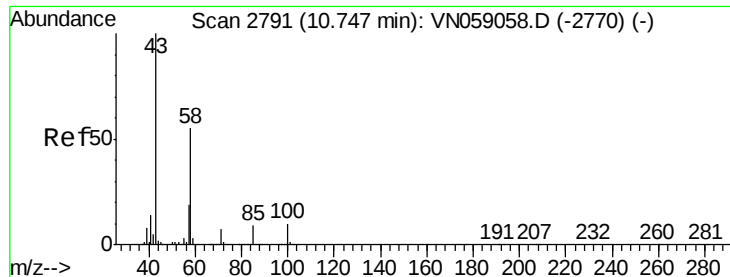
100000

50000

0

Time--> 9.60 9.65 9.70 9.75 9.80

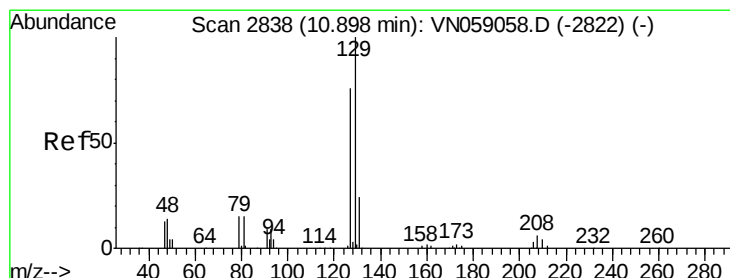
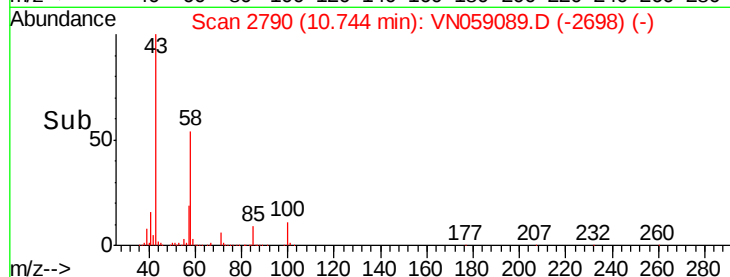
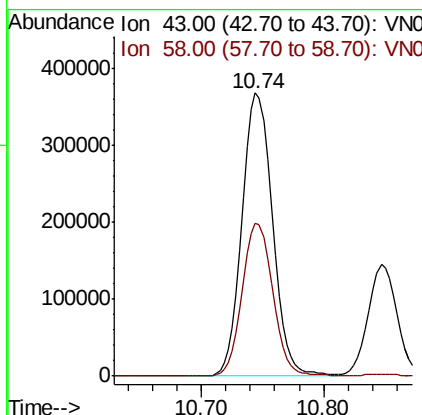
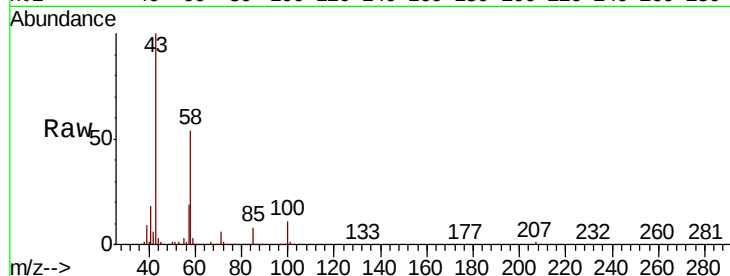




#59
2-Hexanone
Concen: 107.132 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

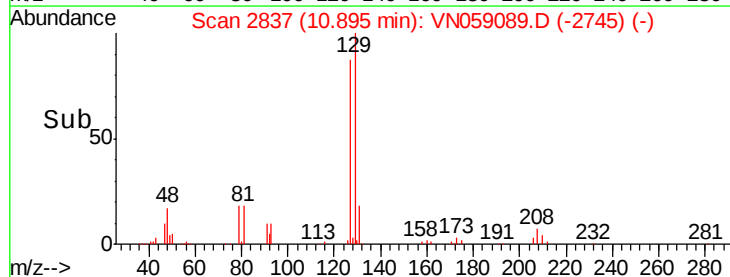
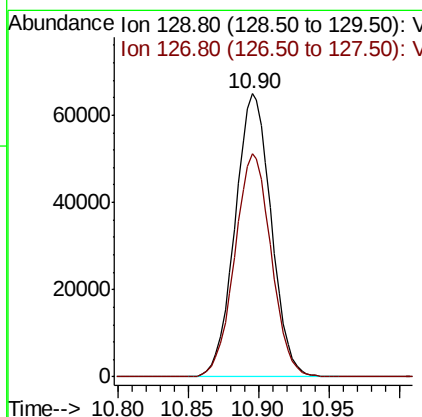
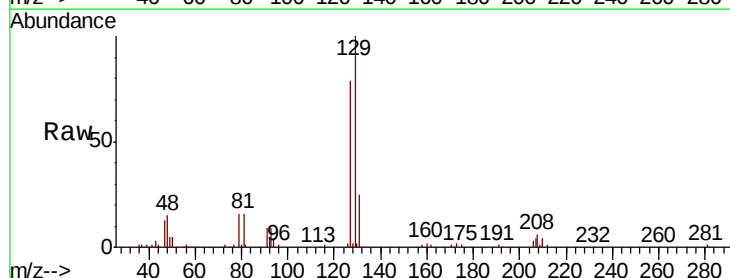
Instrument :
MSVOA_N
ClientSampleId :
VN1105WBSD01

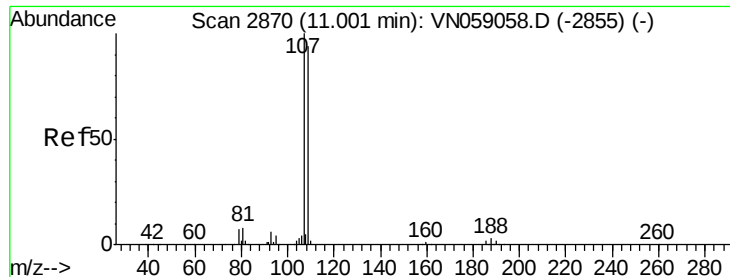
Tot Ion: 43 Resp: 636070
Ion Ratio Lower Upper
43 100
58 54.1 27.4 82.2



#60
Dibromochloromethane
Concen: 19.709 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Tgt Ion: 129 Resp: 116493
Ion Ratio Lower Upper
129 100
127 79.5 38.3 114.8

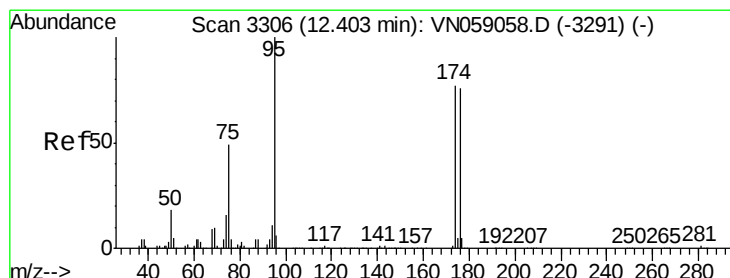
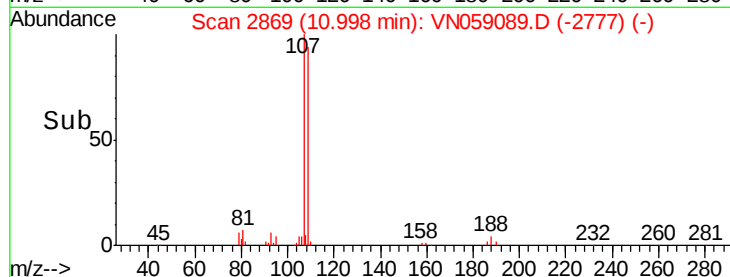
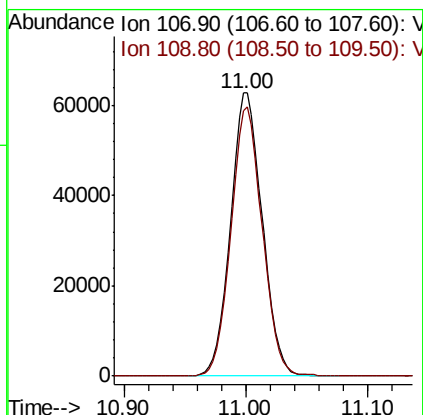
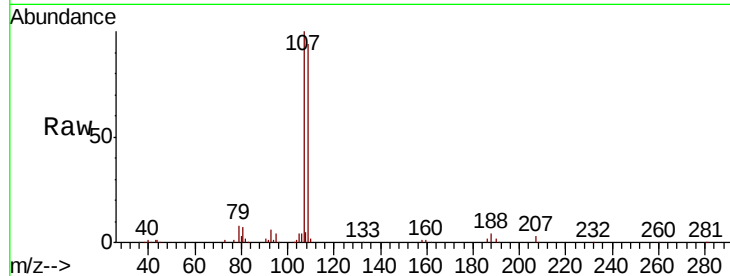




#61
 1,2-Dibromoethane
 Concen: 20.360 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

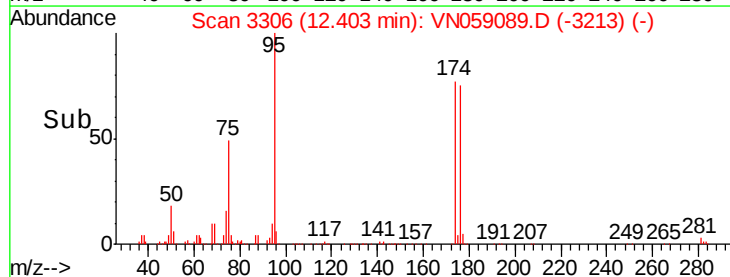
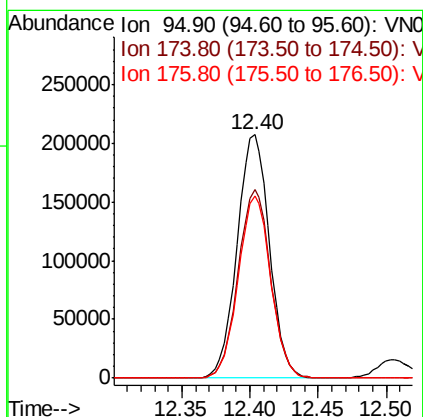
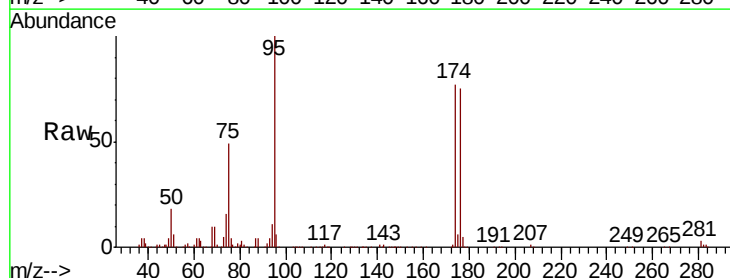
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBSD01

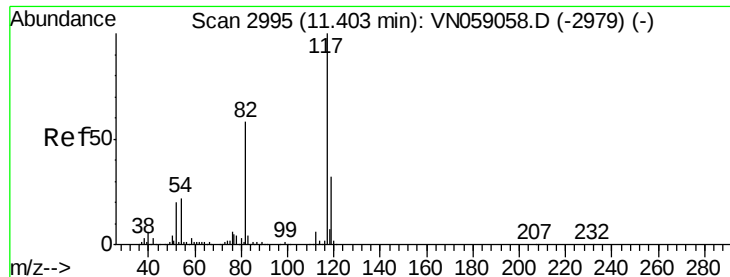
Tot Ion: 107 Resp: 113124
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 48.631 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

Tgt Ion: 95 Resp: 342047
 Ion Ratio Lower Upper
 95 100
 174 77.9 0.0 155.8
 176 75.1 0.0 151.6

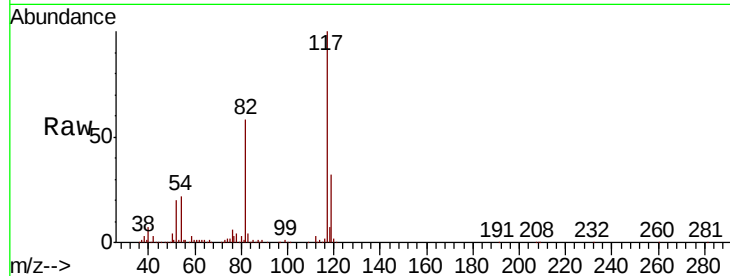




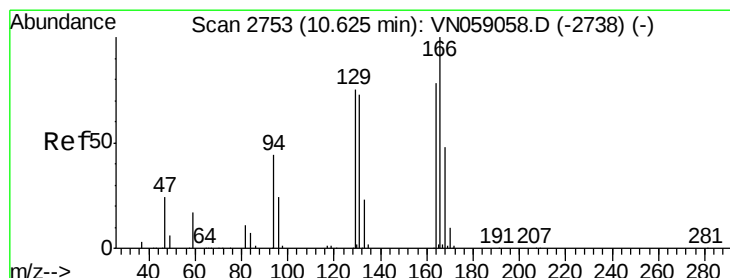
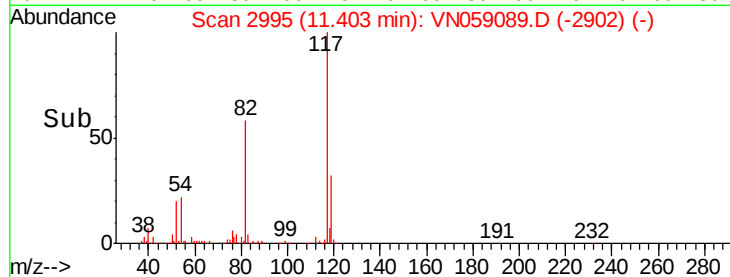
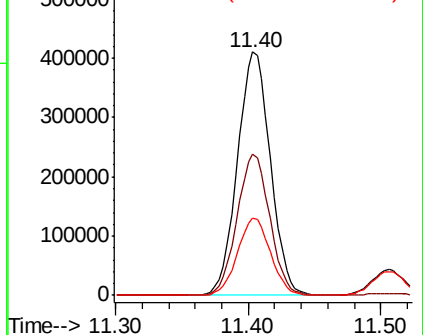
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBSD01

Tot Ion:117 Resp: 709156
Ion Ratio Lower Upper
117 100
82 58.0 46.0 69.0
119 31.8 25.6 38.4

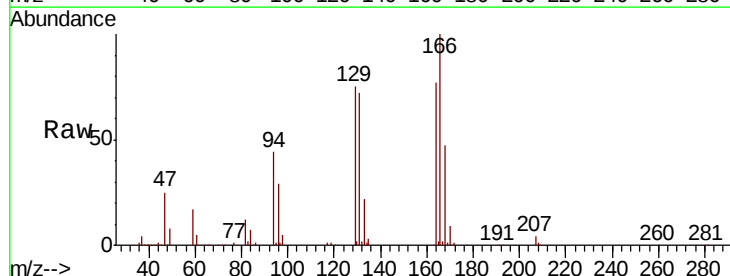


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

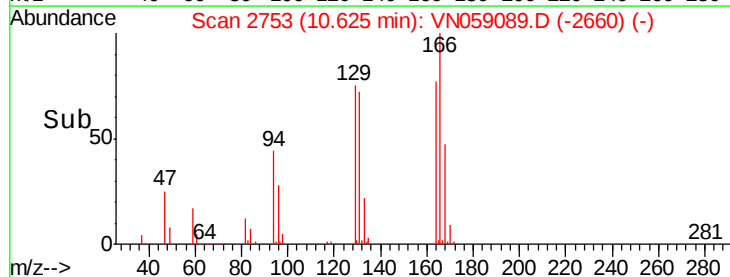
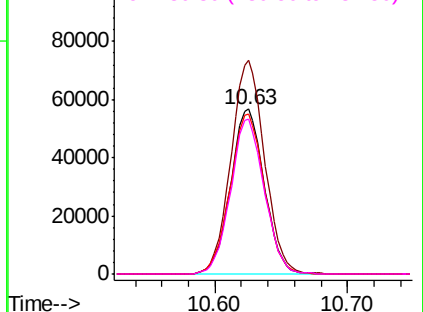


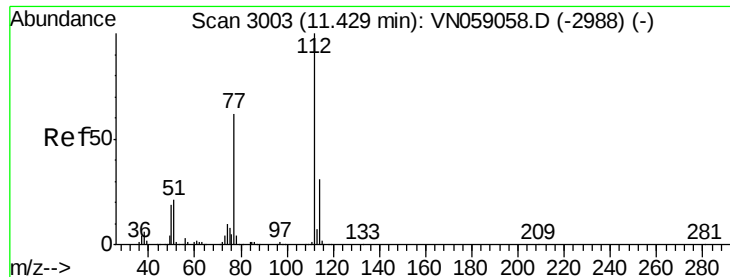
#64
Tetrachloroethene
Concen: 20.228 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Tgt Ion:164 Resp: 100205
Ion Ratio Lower Upper
164 100
166 129.5 102.7 154.1
129 96.9 77.3 115.9
131 93.8 74.8 112.2



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

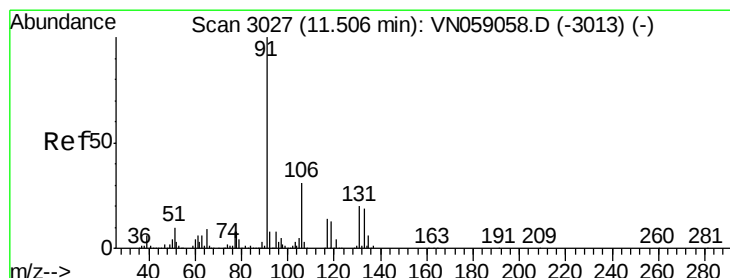
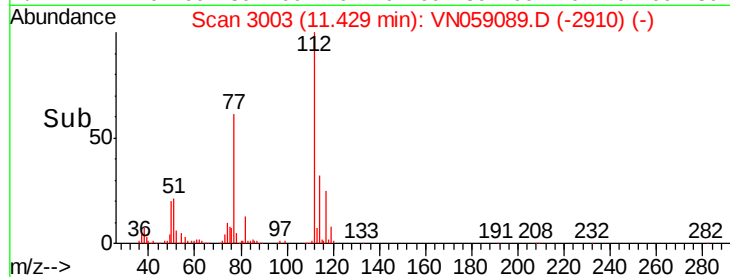
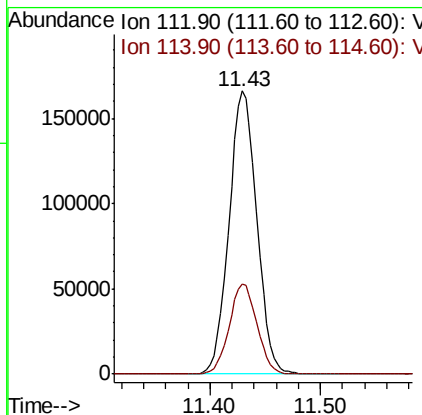
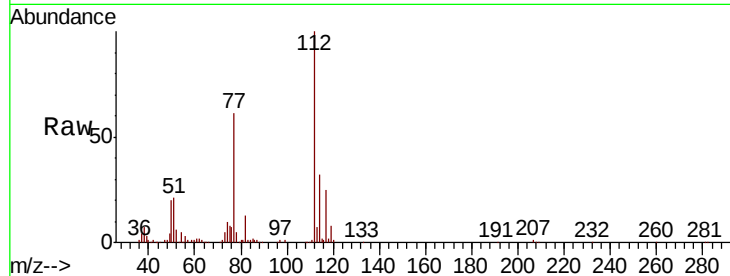




#65
Chlorobenzene
Concen: 19.916 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

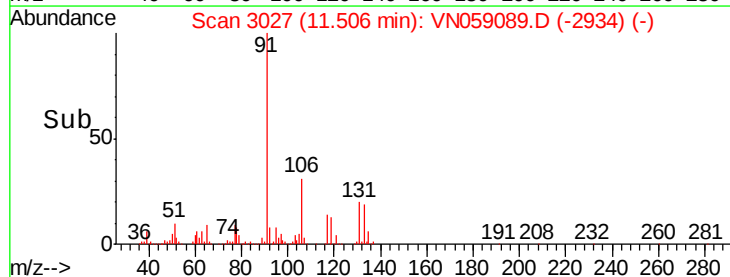
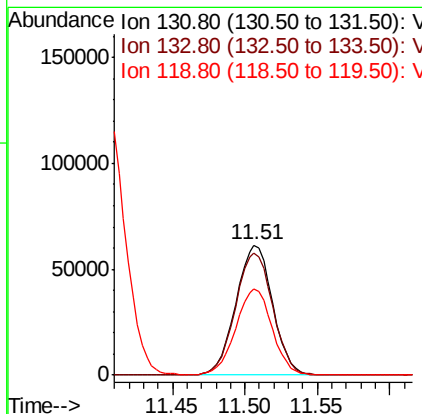
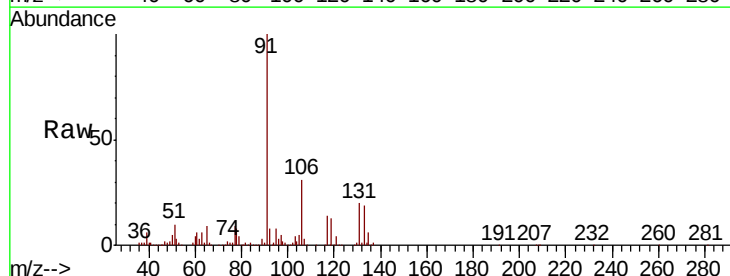
Instrument :
MSVOA_N
ClientSampleId :
VN1105WBSD01

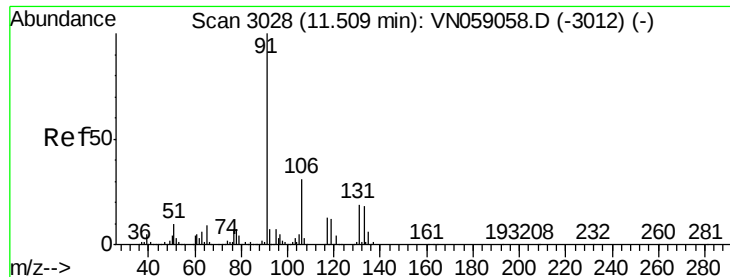
Tot Ion:112 Resp: 289867
Ion Ratio Lower Upper
112 100
114 31.9 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.144 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Tgt Ion:131 Resp: 107868
Ion Ratio Lower Upper
131 100
133 96.3 47.9 143.6
119 65.4 33.5 100.5

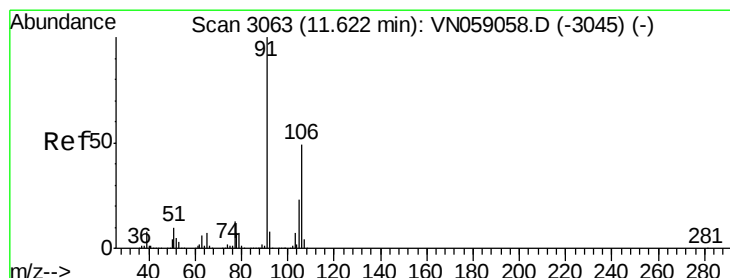
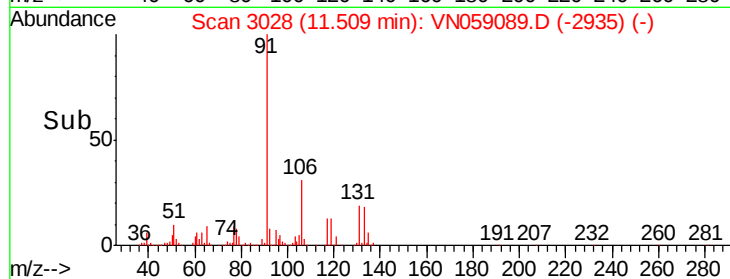
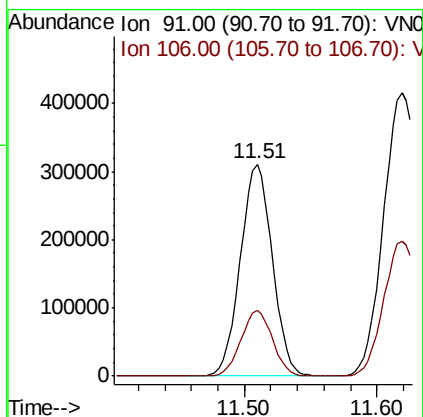
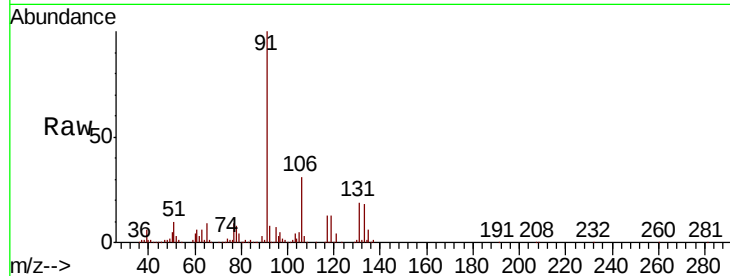




#67
Ethyl Benzene
Concen: 20.665 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

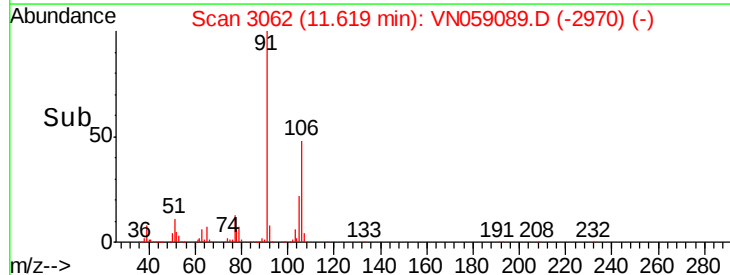
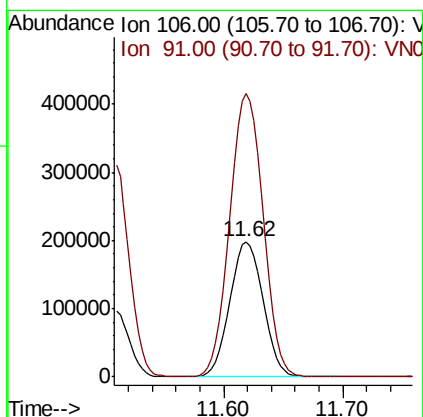
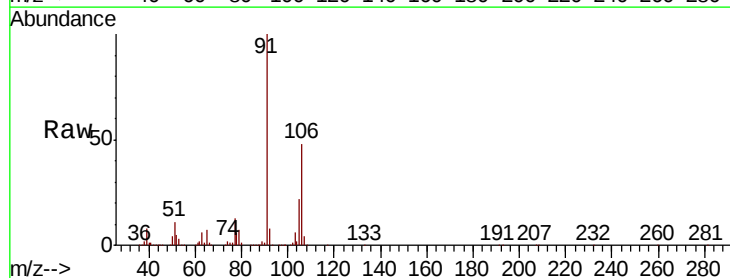
Instrument :
MSVOA_N
ClientSampleId :
VN1105WBSD01

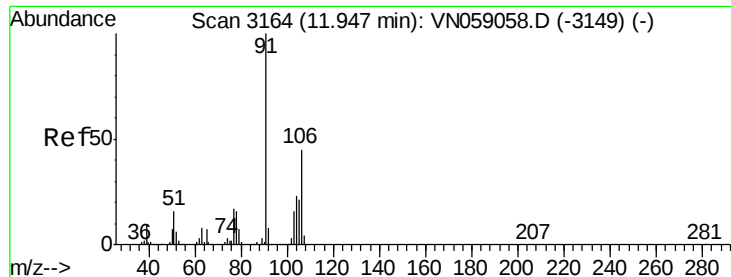
Tot Ion: 91 Resp: 520666
Ion Ratio Lower Upper
91 100
106 31.2 24.6 36.8



#68
m/p-Xylenes
Concen: 40.921 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Tgt Ion: 106 Resp: 385001
Ion Ratio Lower Upper
106 100
91 209.8 165.7 248.5

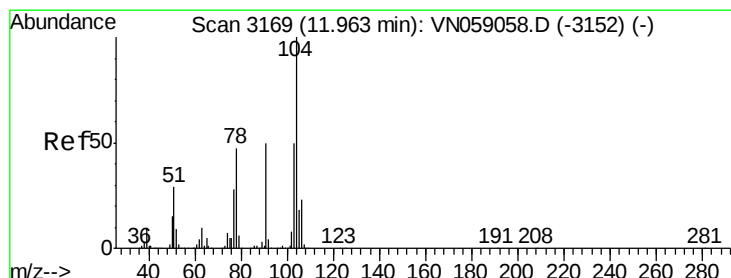
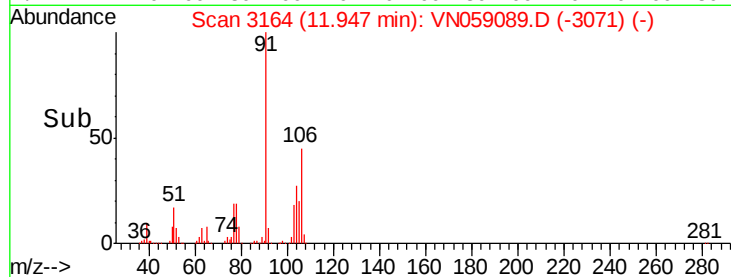
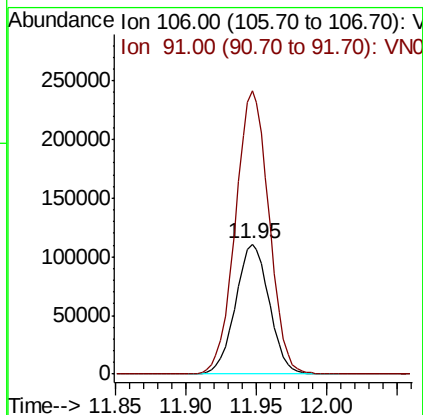
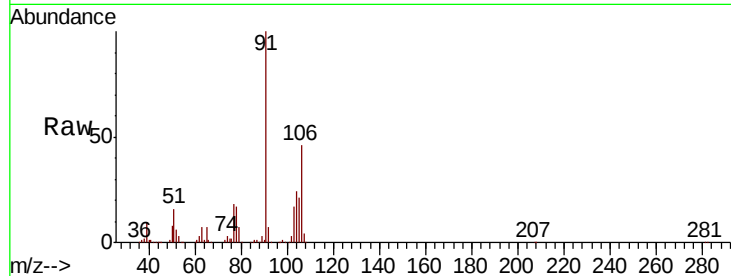




#69
o-Xylene
Concen: 20.656 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

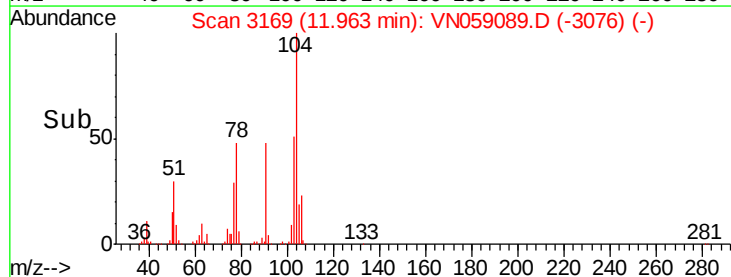
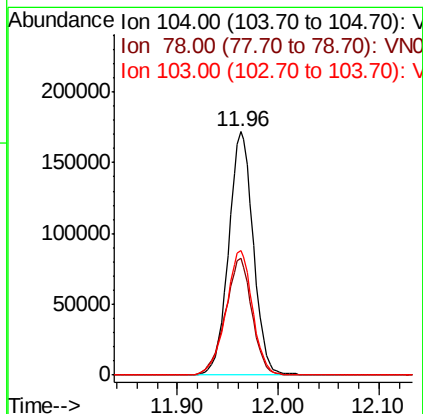
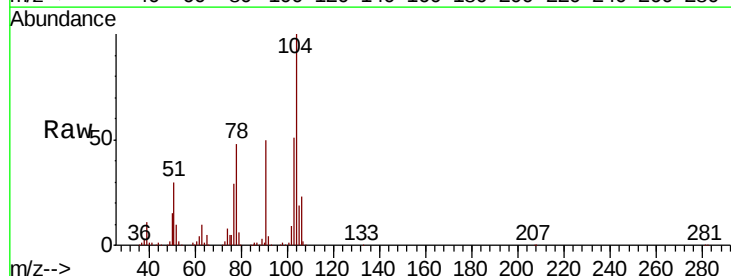
Instrument :
MSVOA_N
ClientSampleId :
VN1105WBSD01

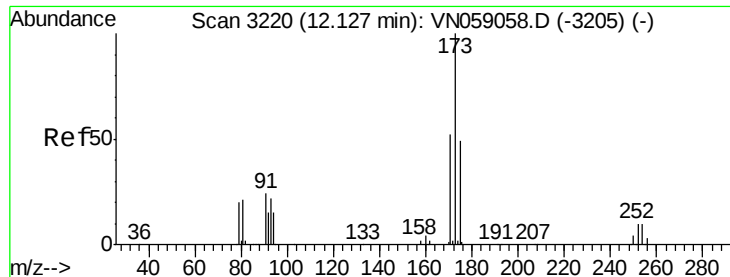
Tot Ion:106 Resp: 185577
Ion Ratio Lower Upper
106 100
91 216.6 110.4 331.2



#70
Styrene
Concen: 20.159 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Tgt Ion:104 Resp: 293492
Ion Ratio Lower Upper
104 100
78 51.8 41.2 61.8
103 55.1 43.9 65.9





#71

Bromoform

Concen: 20.055 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

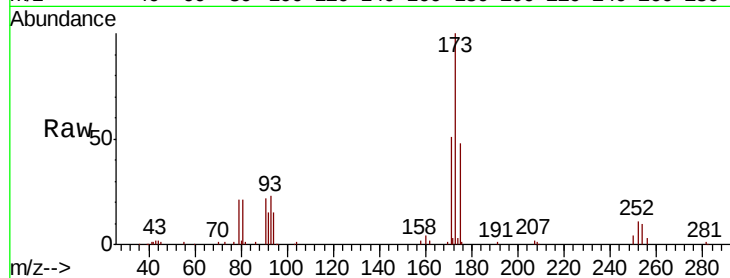
Tot Ion:173 Resp: 83125

Ion Ratio Lower Upper

173 100

175 48.3 24.4 73.2

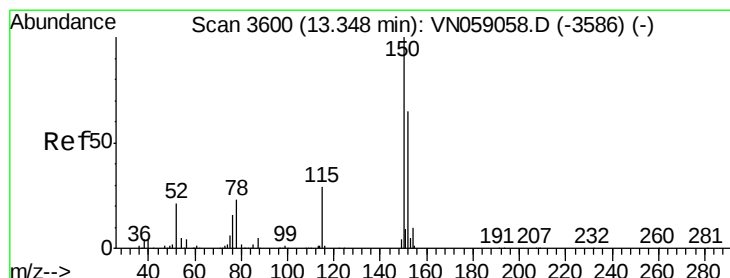
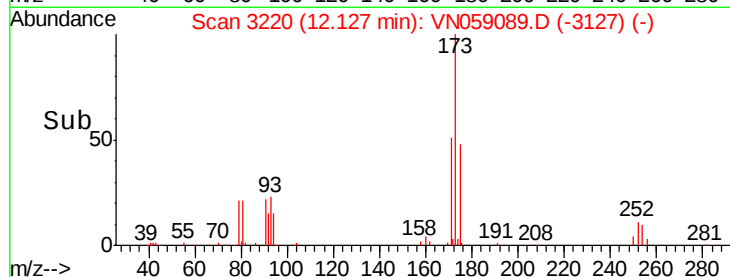
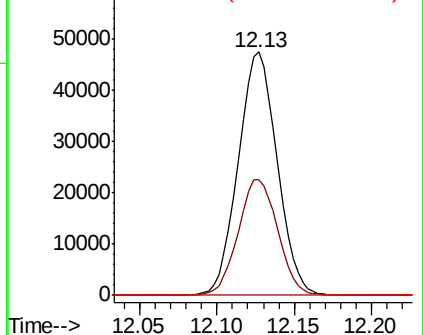
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

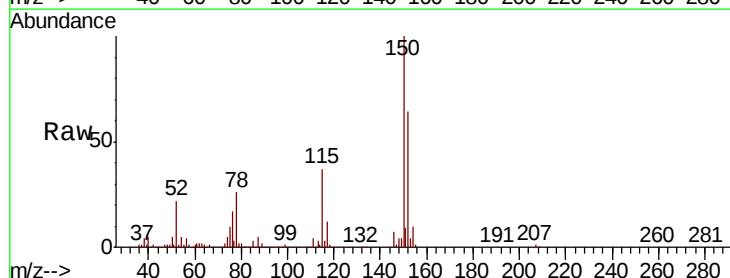
Tgt Ion:152 Resp: 322755

Ion Ratio Lower Upper

152 100

115 58.3 29.6 88.9

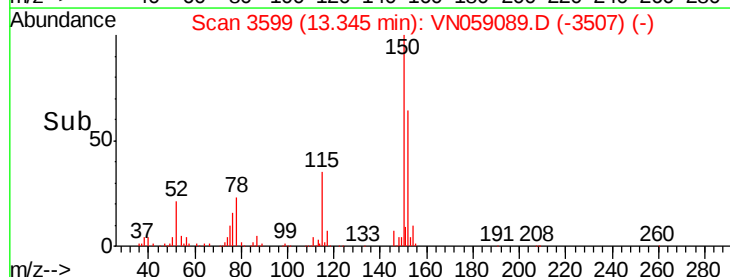
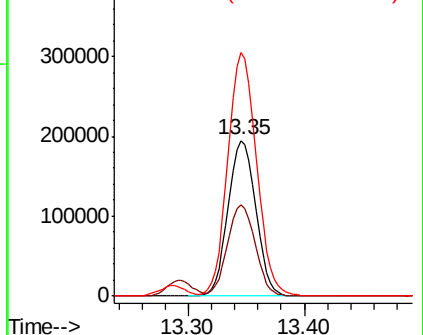
150 161.4 0.0 345.8

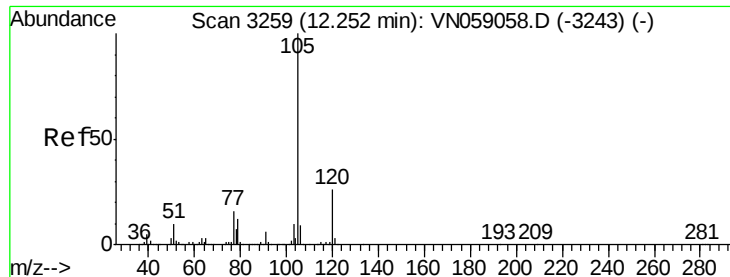


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.858 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

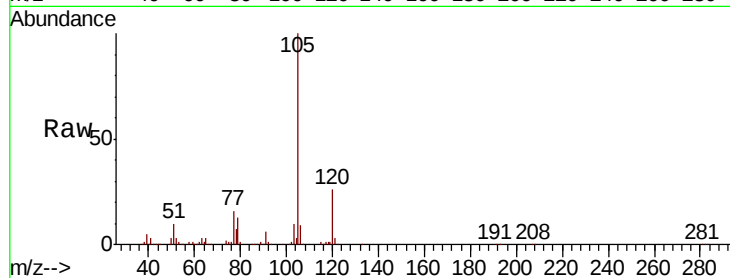
VN1105WBSD01

Tot Ion:105 Resp: 495245

Ion Ratio Lower Upper

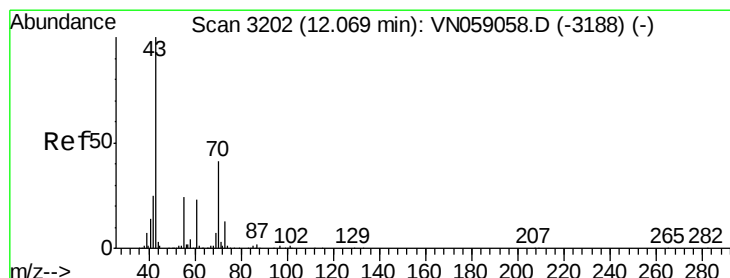
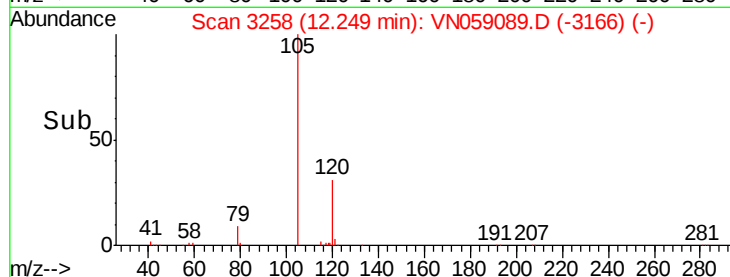
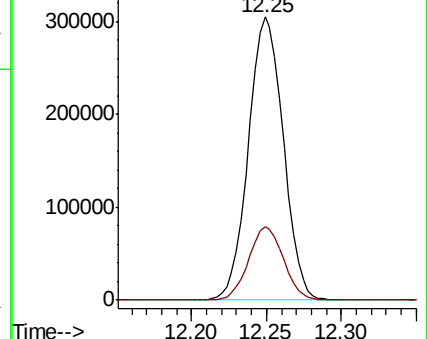
105 100

120 25.9 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.792 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Tgt Ion: 43 Resp: 209045

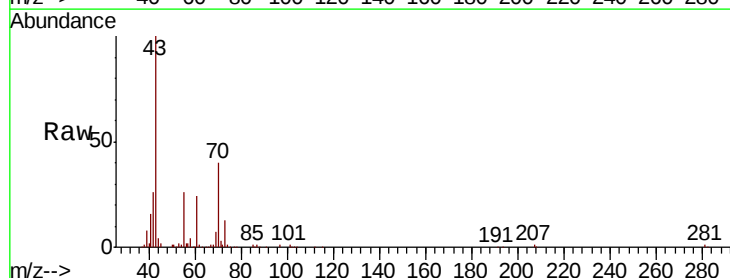
Ion Ratio Lower Upper

43 100

70 40.5 32.6 49.0

55 26.6 19.7 29.5

61 23.7 19.0 28.6

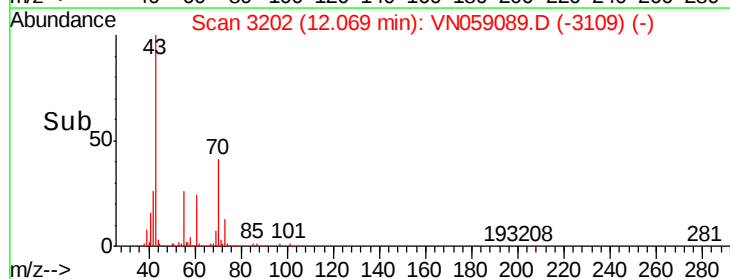
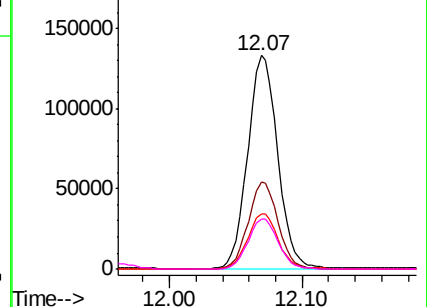


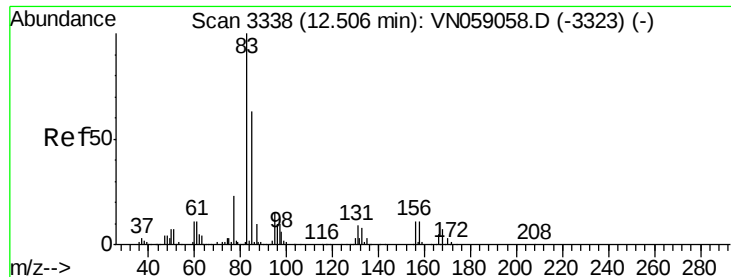
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.866 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

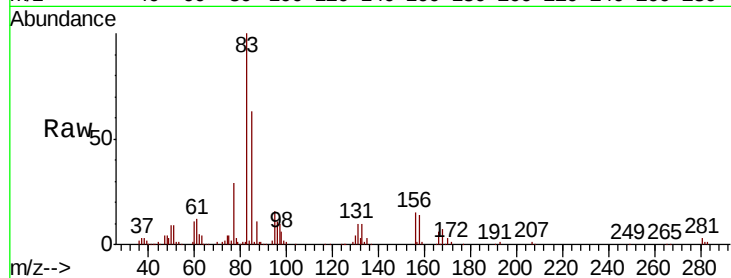
Tot Ion: 83 Resp: 168028

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.7

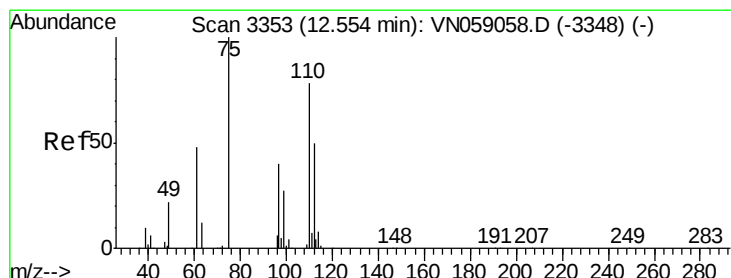
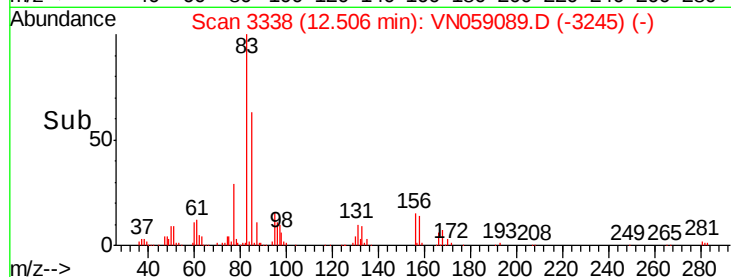
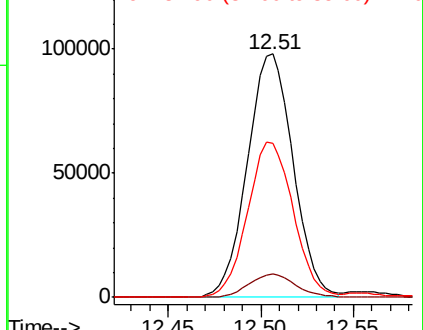
85 63.7 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN059089.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN059089.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN059089.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 29.123 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059089.D

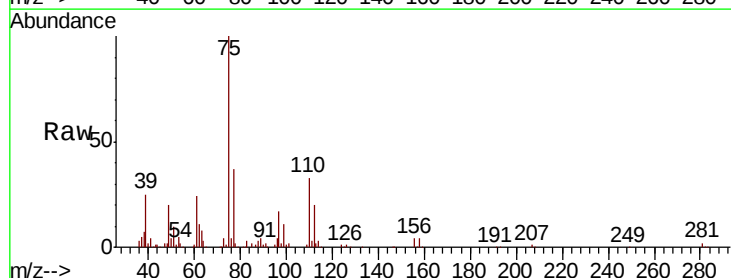
Acq: 5 Nov 2019 13:58

Tgt Ion: 75 Resp: 222436

Ion Ratio Lower Upper

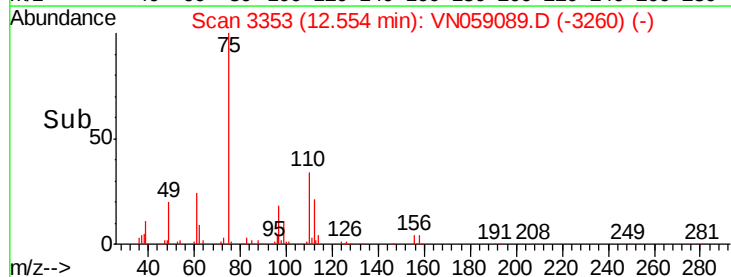
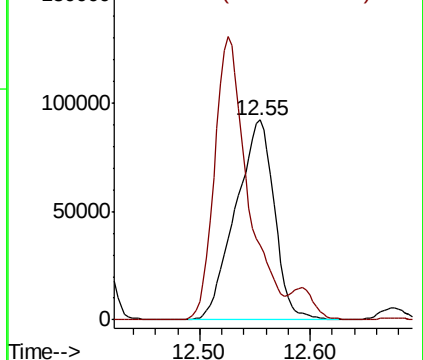
75 100

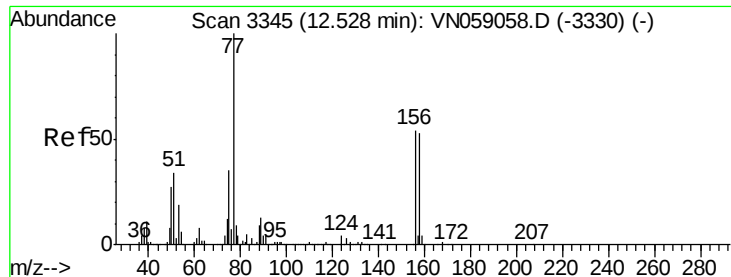
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059089.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN059089.D (-3260) (-)





#77

Bromobenzene

Concen: 20.430 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

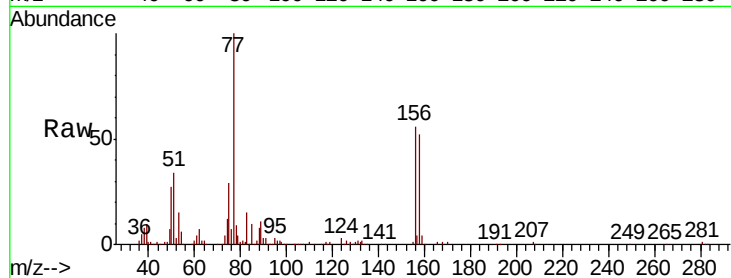
Tot Ion:156 Resp: 121291

Ion Ratio Lower Upper

156 100

77 224.1 114.2 342.6

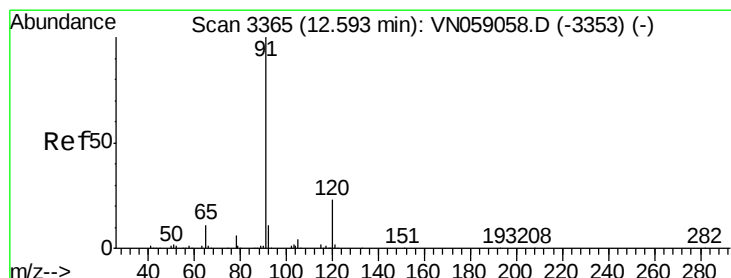
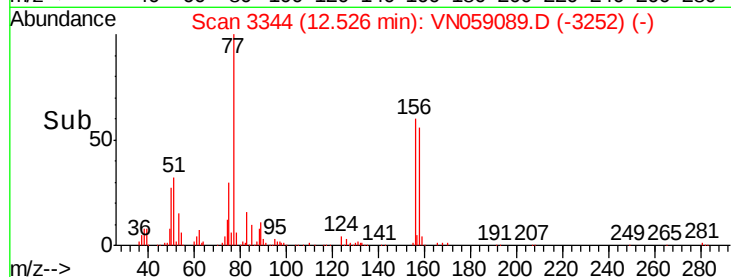
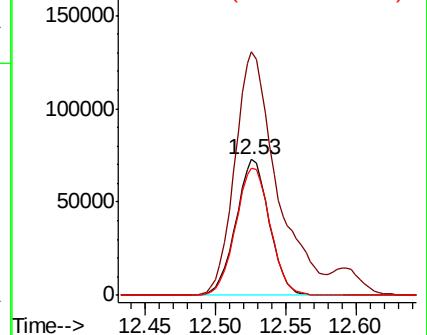
158 96.9 49.6 149.0



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: 21.125 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059089.D

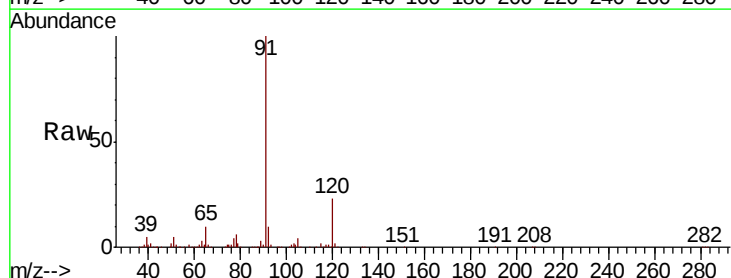
Acq: 5 Nov 2019 13:58

Tgt Ion: 91 Resp: 580936

Ion Ratio Lower Upper

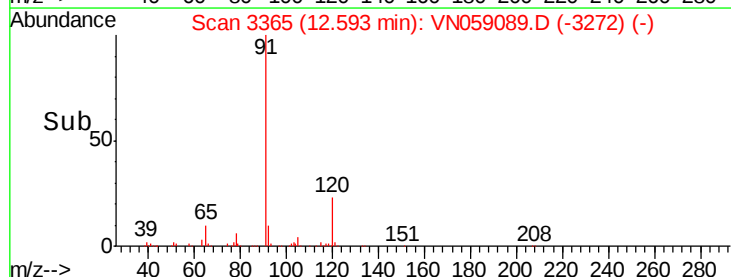
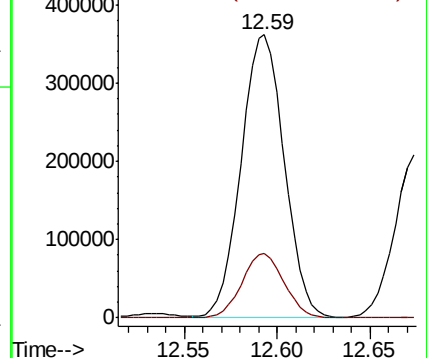
91 100

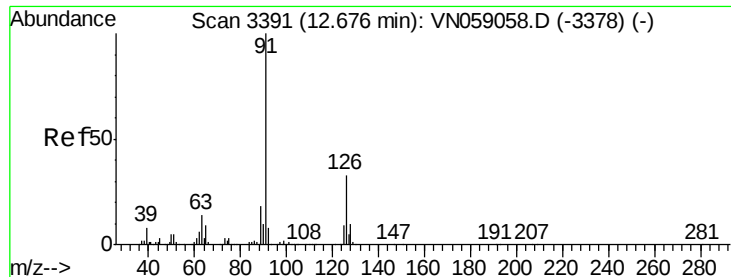
120 22.3 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

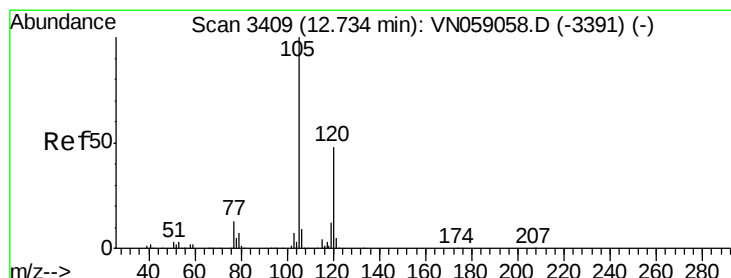
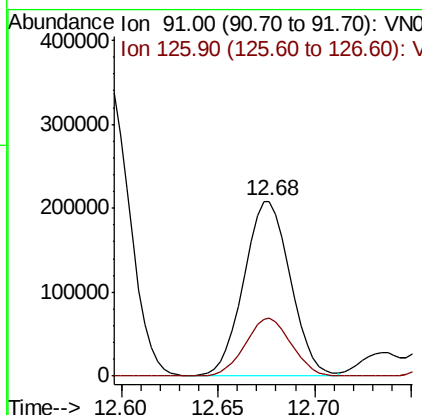
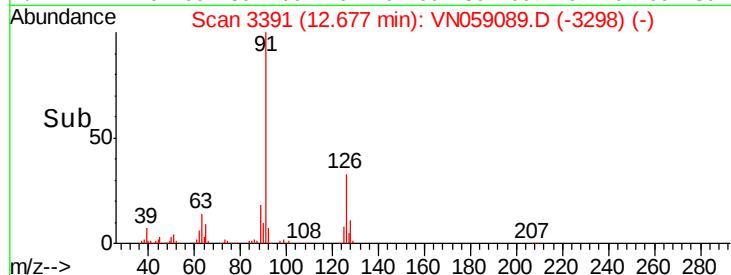
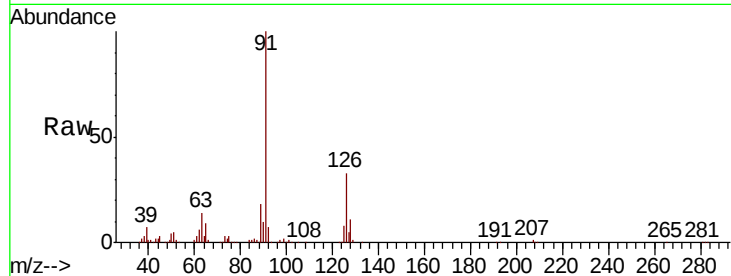




#79
 2-Chlorotoluene
 Concen: 20.297 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

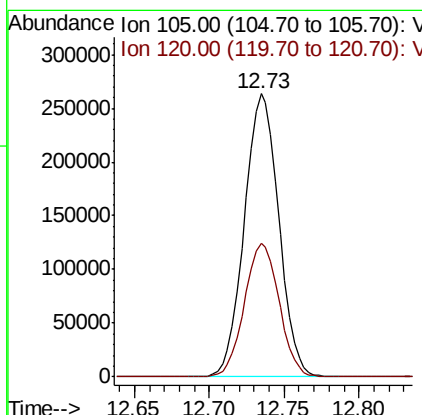
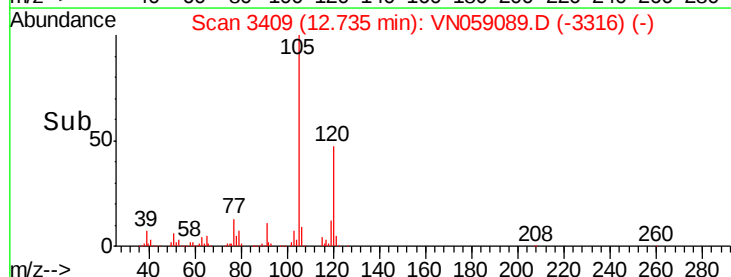
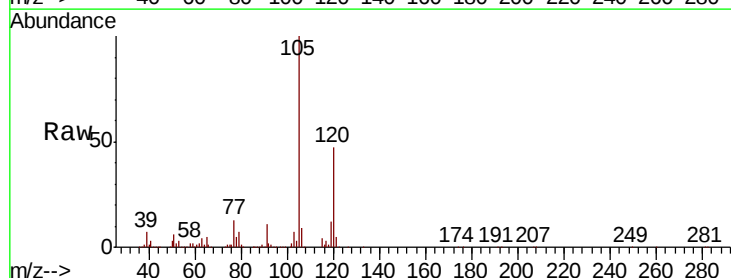
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBSD01

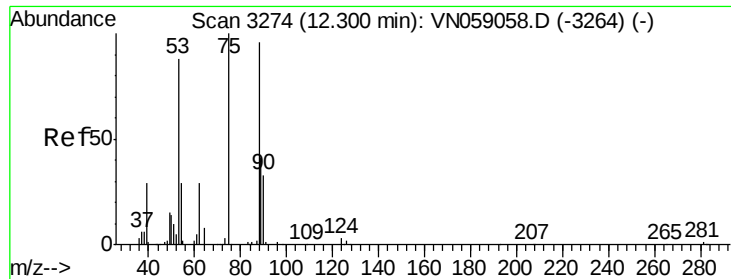
Tot Ion: 91 Resp: 346587
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.3 48.8



#80
 1,3,5-Trimethylbenzene
 Concen: 20.863 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

Tgt Ion: 105 Resp: 421020
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.909 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

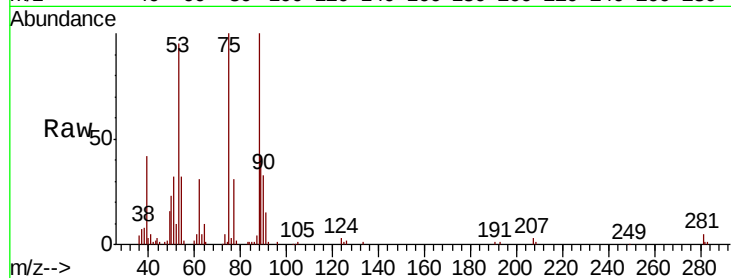
Tot Ion: 75 Resp: 56336

Ion Ratio Lower Upper

75 100

53 95.0 70.4 105.6

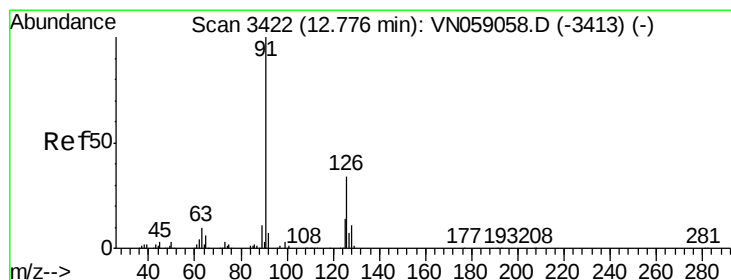
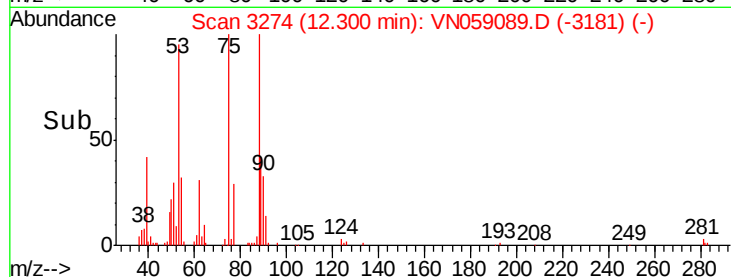
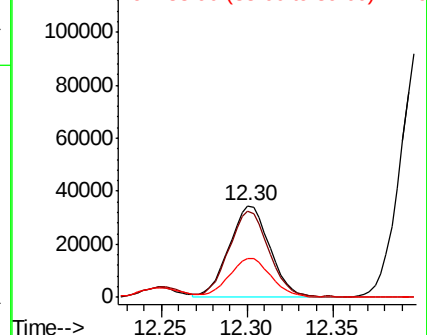
89 44.3 34.2 51.2



Abundance Ion 74.90 (74.60 to 75.60): VN059089.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN059089.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN059089.D (-3181) (-)



#82

4-Chlorotoluene

Concen: 20.156 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059089.D

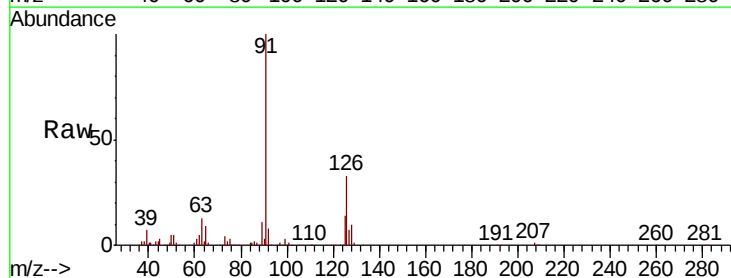
Acq: 5 Nov 2019 13:58

Tgt Ion: 91 Resp: 351265

Ion Ratio Lower Upper

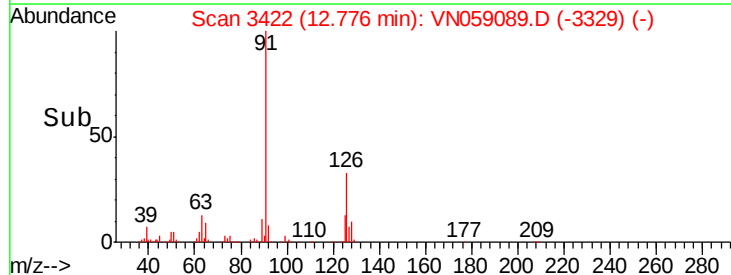
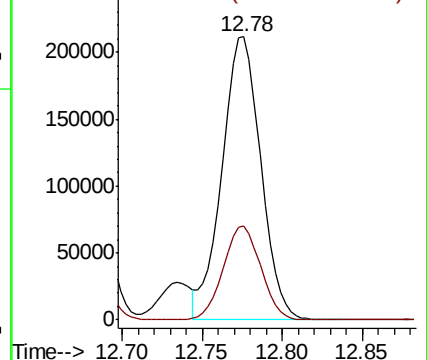
91 100

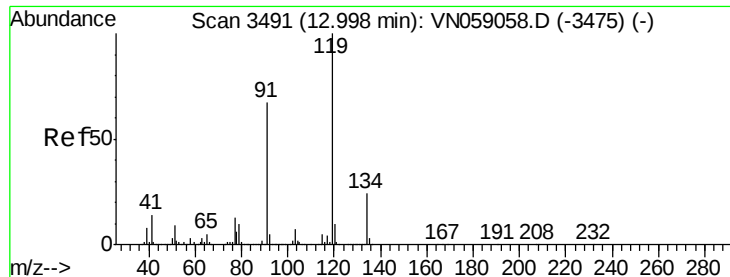
126 32.3 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VN059089.D (-3329) (-)

Ion 125.90 (125.60 to 126.60): VN059089.D (-3329) (-)

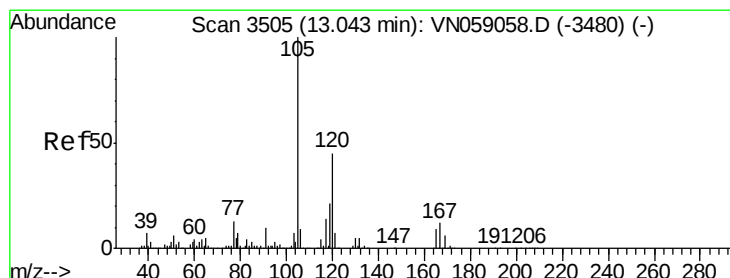
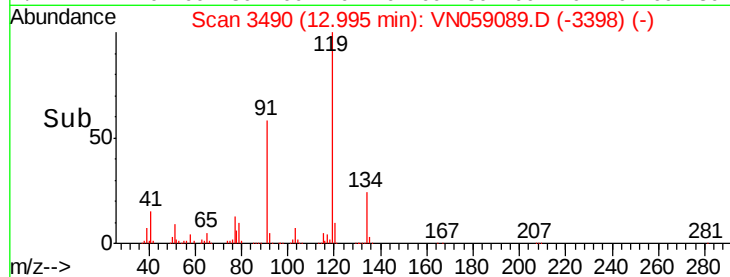
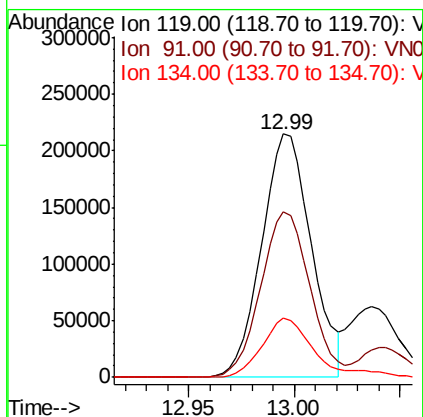
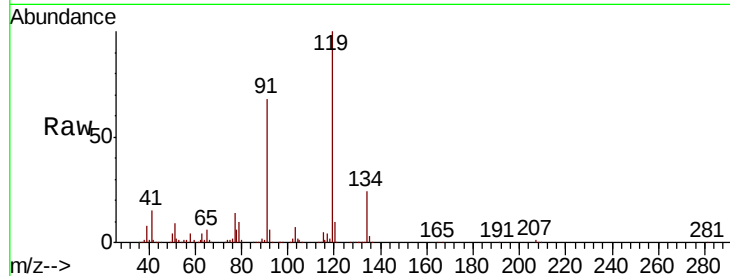




#83
 tert-Butylbenzene
 Concen: 20.568 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

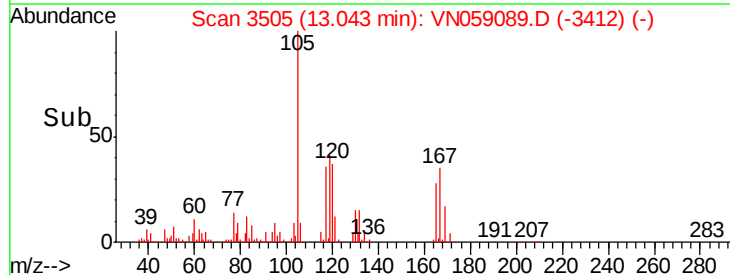
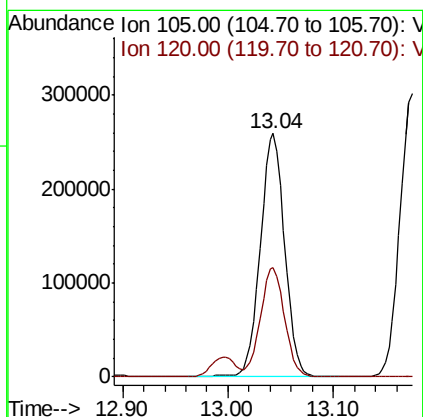
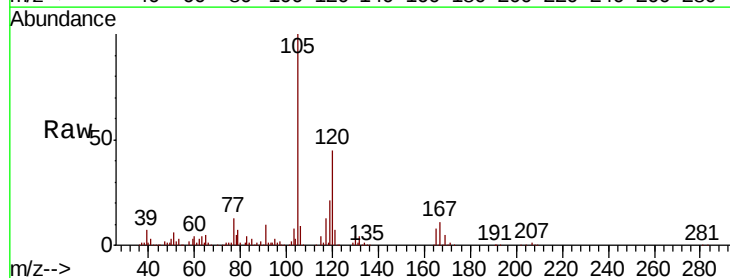
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBSD01

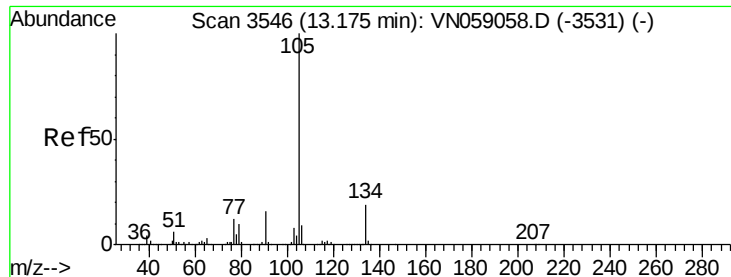
Tot Ion:119 Resp: 352593
 Ion Ratio Lower Upper
 119 100
 91 67.3 33.7 101.0
 134 24.0 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 21.331 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

Tgt Ion:105 Resp: 418271
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.3 66.9





#85

sec-Butylbenzene

Concen: 21.312 ug/l

RT: 13.18 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

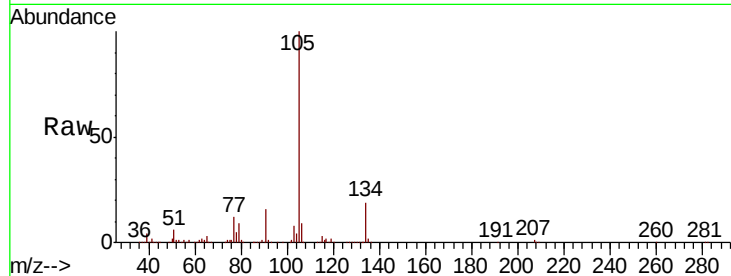
VN1105WBSD01

Tot Ion:105 Resp: 478830

Ion Ratio Lower Upper

105 100

134 18.9 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

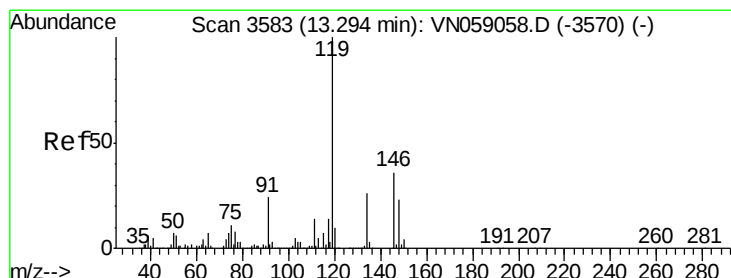
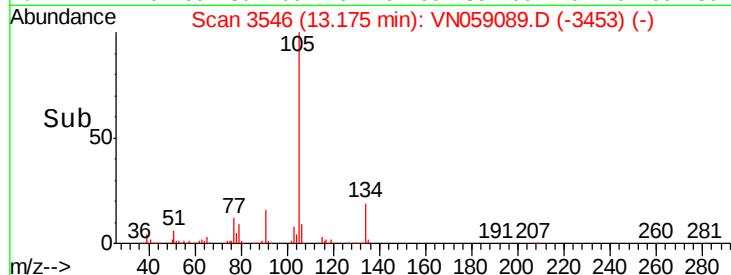
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.017 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

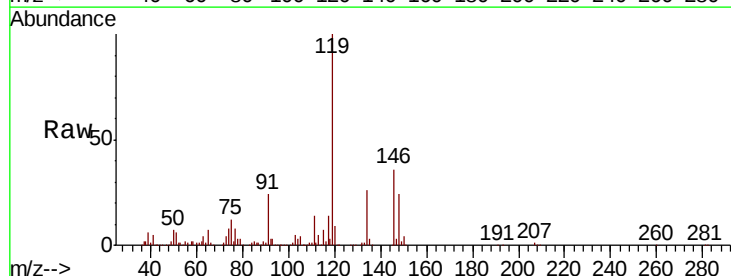
Tgt Ion:119 Resp: 425719

Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

91 23.9 12.0 36.0



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

13.29

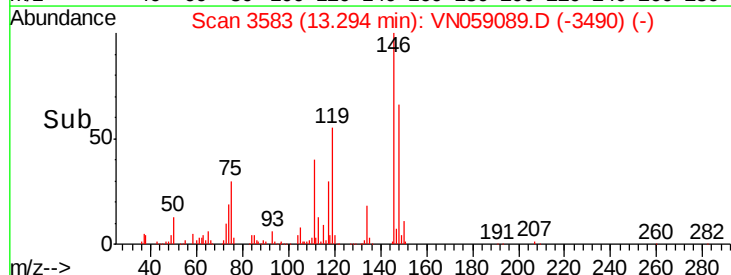
300000

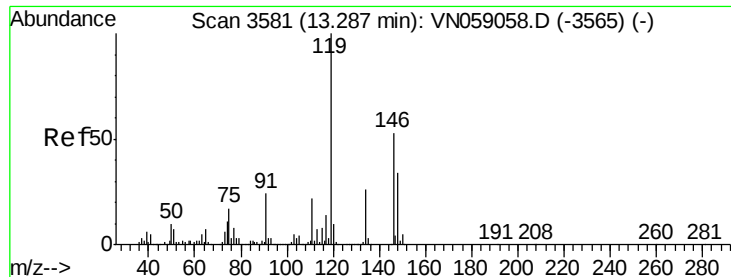
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.939 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

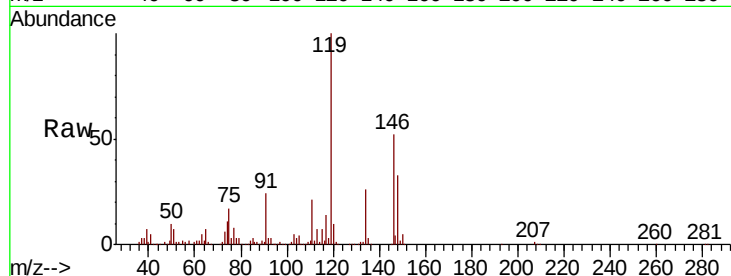
Tot Ion:146 Resp: 210330

Ion Ratio Lower Upper

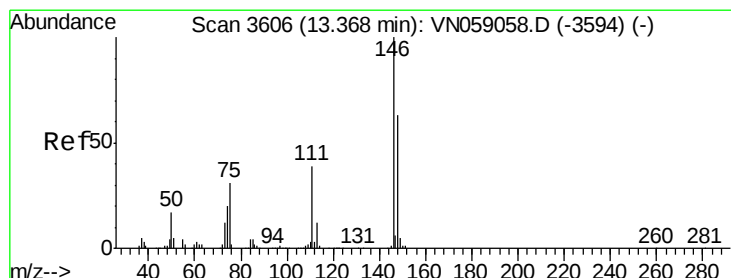
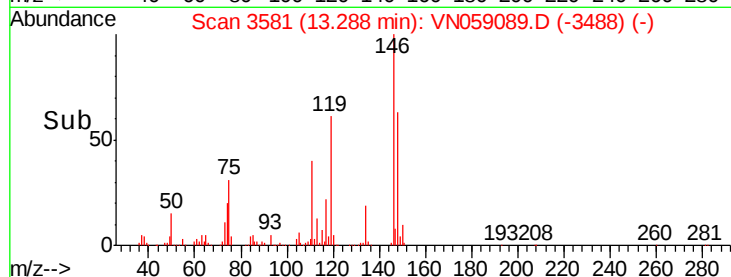
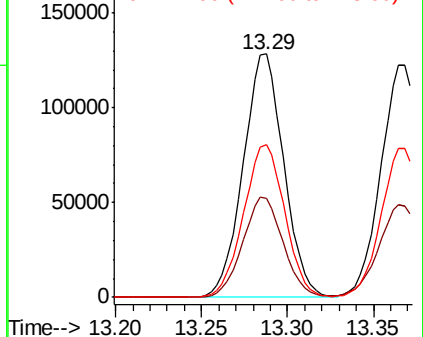
146 100

111 40.9 20.5 61.5

148 63.5 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.729 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

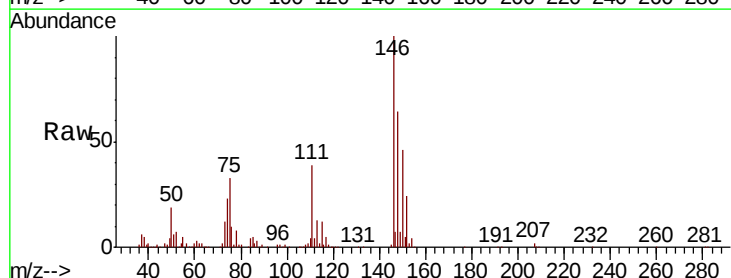
Tgt Ion:146 Resp: 205858

Ion Ratio Lower Upper

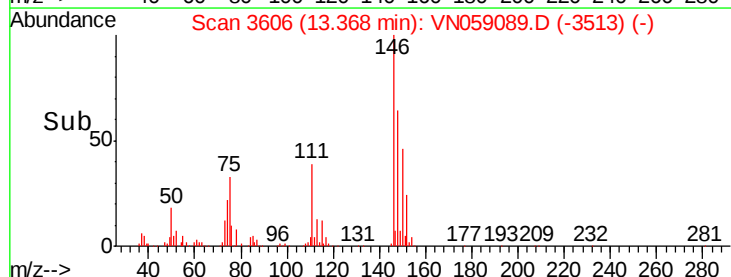
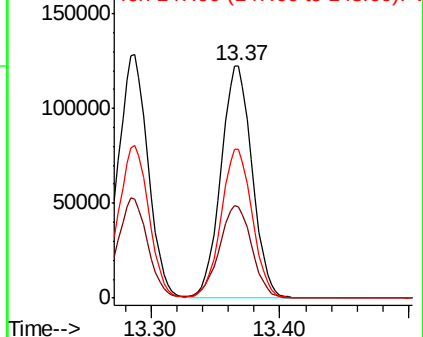
146 100

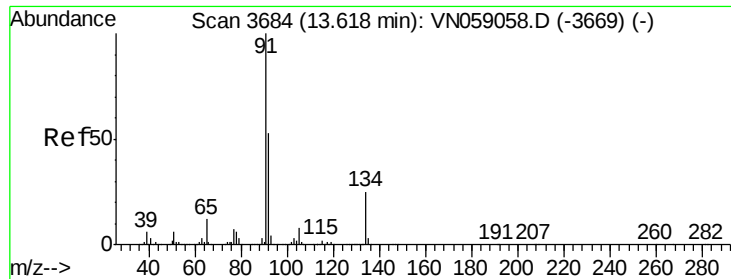
111 41.2 20.1 60.2

148 64.1 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

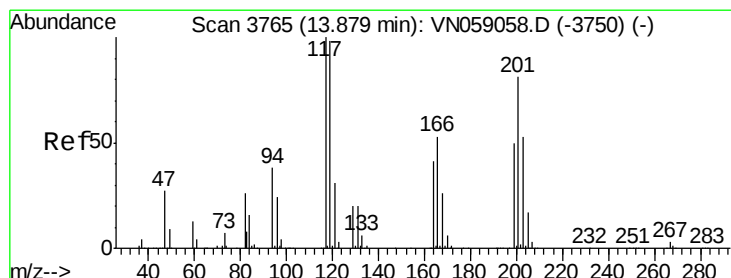
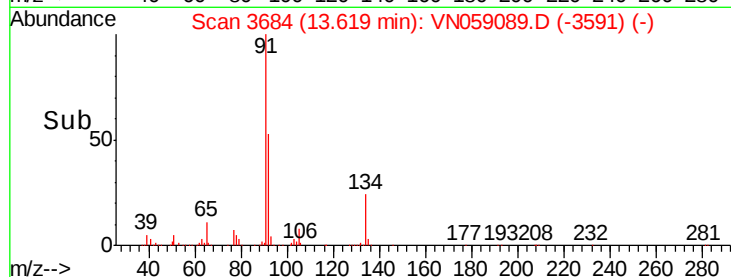
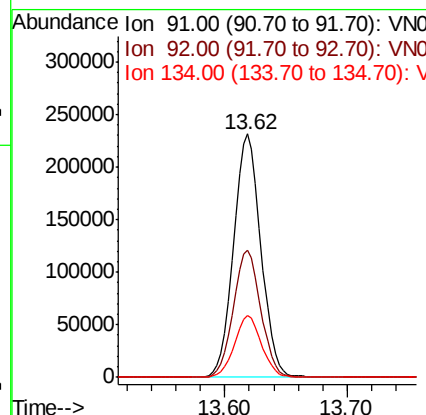
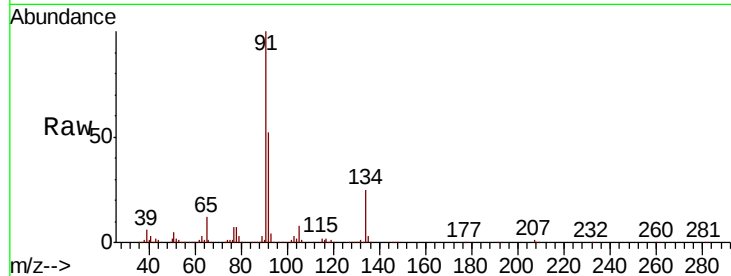




#89
n-Butylbenzene
Concen: 20.503 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

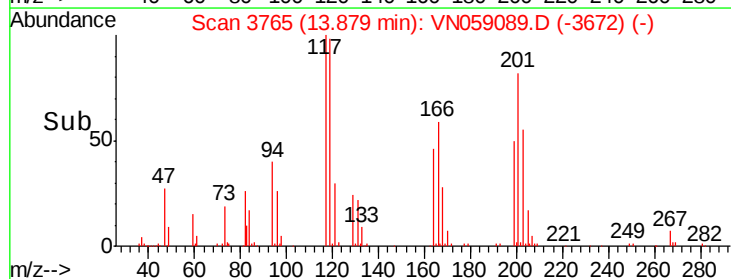
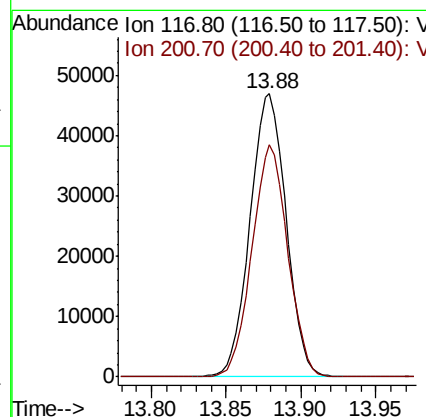
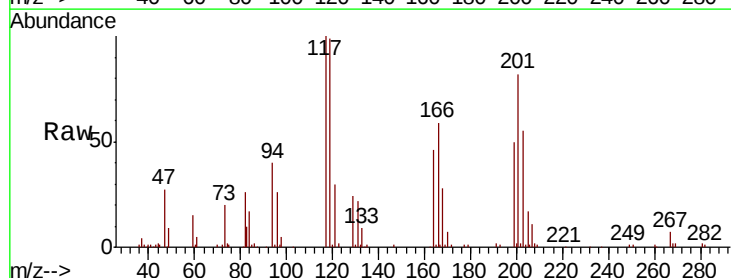
Instrument :
MSVOA_N
ClientSampleId :
VN1105WBSD01

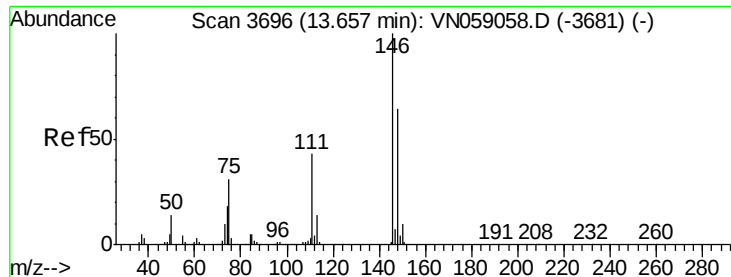
Tot Ion: 91 Resp: 361870
Ion Ratio Lower Upper
91 100
92 52.4 26.4 79.0
134 25.2 12.5 37.5



#90
Hexachloroethane
Concen: 19.587 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Tgt Ion: 117 Resp: 78868
Ion Ratio Lower Upper
117 100
201 81.0 40.7 122.1





#91

1,2-Dichlorobenzene

Concen: 19.806 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

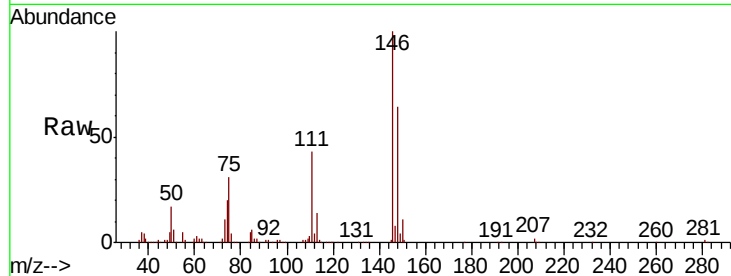
Tot Ion:146 Resp: 207883

Ion Ratio Lower Upper

146 100

111 42.7 21.2 63.6

148 63.4 32.1 96.3

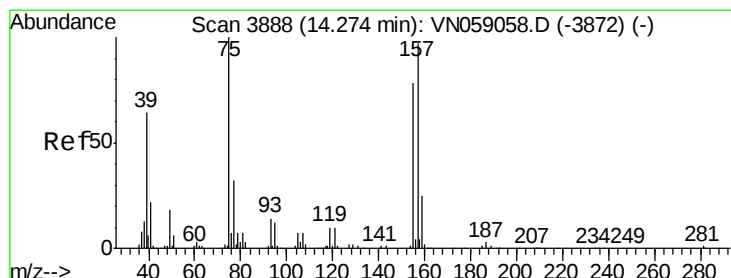
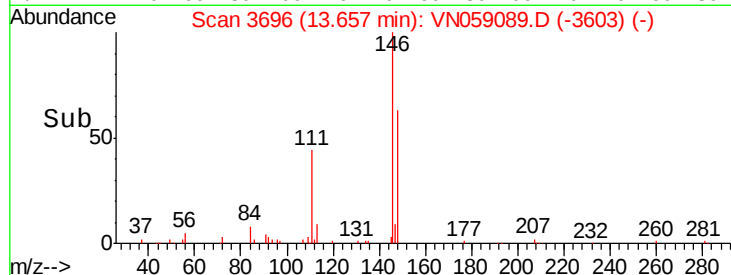
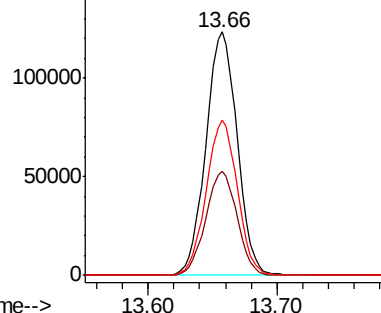


Abundance

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: 19.029 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

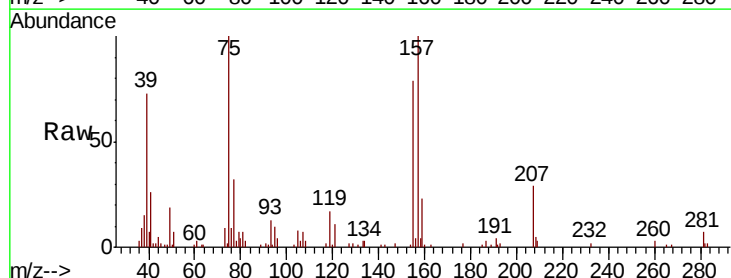
Tgt Ion: 75 Resp: 34765

Ion Ratio Lower Upper

75 100

155 77.3 39.7 119.1

157 96.3 51.0 153.0

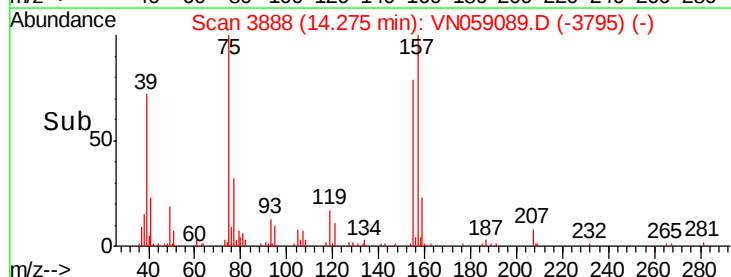
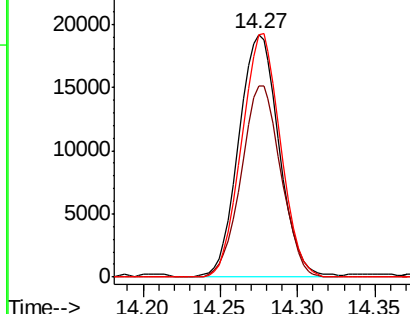


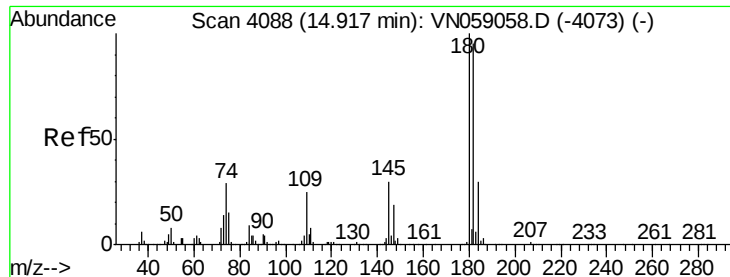
Abundance

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

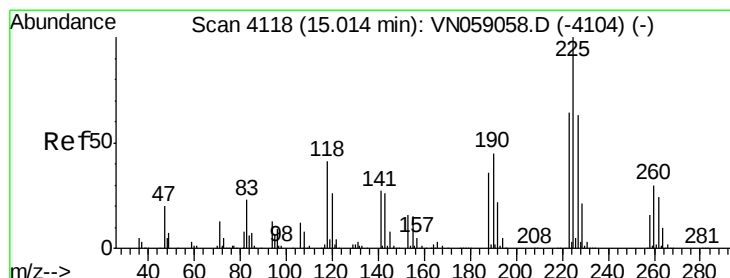
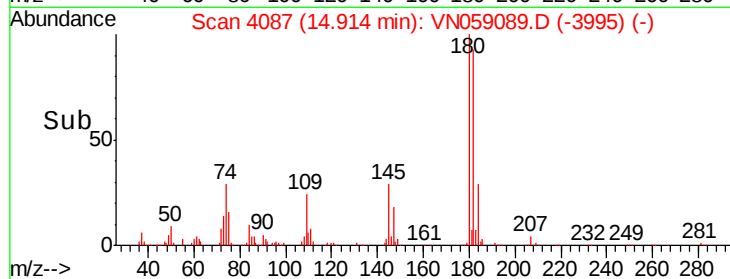
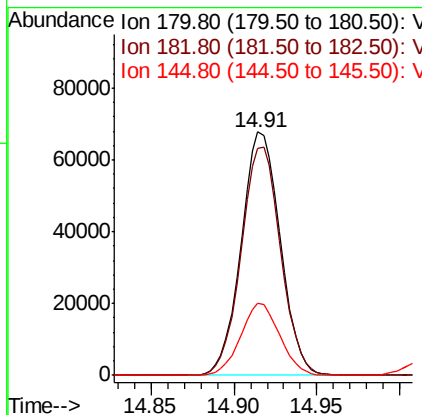
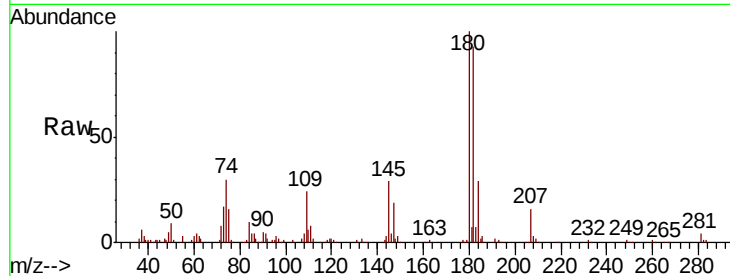




#93
 1,2,4-Trichlorobenzene
 Concen: 19.626 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

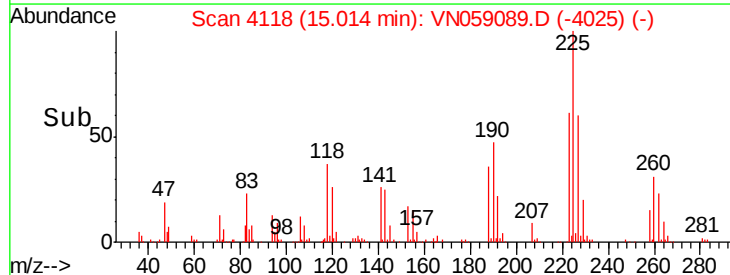
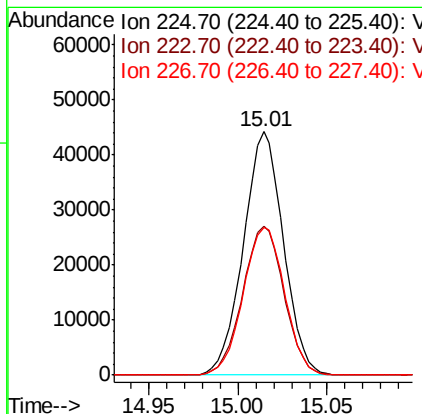
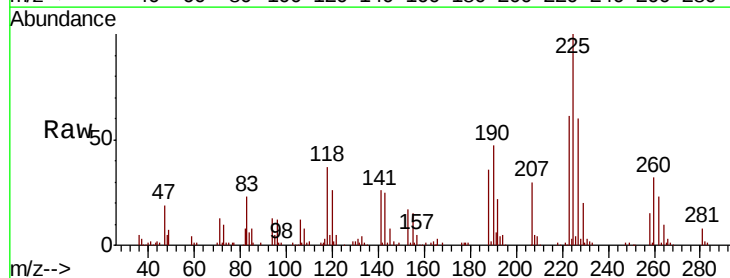
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBSD01

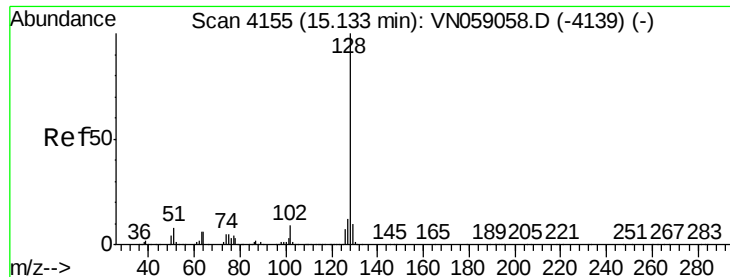
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.8	143.4
145	29.7	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 20.451 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.6	95.0
227	62.5	31.9	95.7

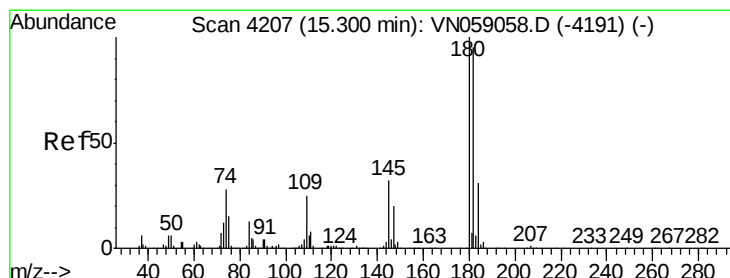
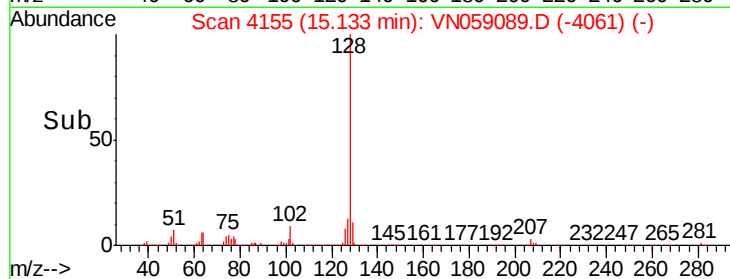
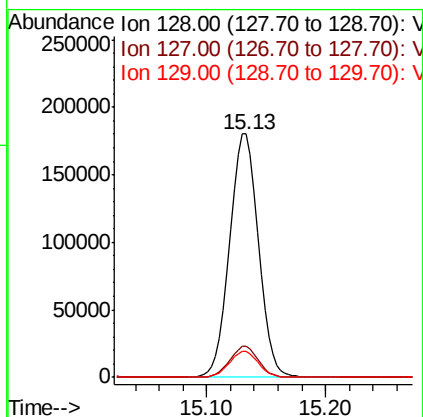
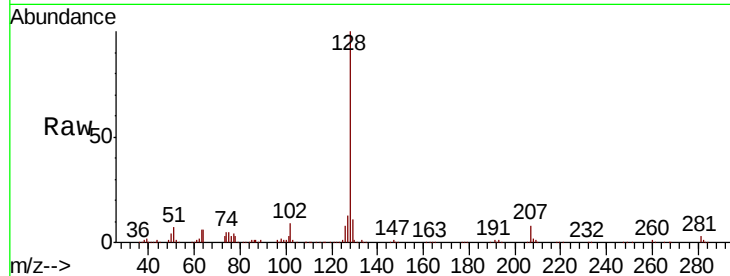




#95
Naphthalene
Concen: 19.119 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBSD01

Tot Ion:128 Resp: 302768
Ion Ratio Lower Upper
128 100
127 12.5 9.9 14.9
129 10.9 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 19.581 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Tgt Ion:180 Resp: 112818
Ion Ratio Lower Upper
180 100
182 96.1 47.7 143.1
145 32.6 16.0 48.0

