

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
 Data File : VN059594.D
 Acq On : 13 Dec 2019 19:18
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 13 23:20:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	271042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	435468	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	402383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	195455	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	187982	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
35) Dibromofluoromethane	7.57	113	128794	47.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.54%	
50) Toluene-d8	10.08	98	524242	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	12.40	95	191333	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	165355	47.212	ug/l 98
3) Chloromethane	2.04	50	259043	46.607	ug/l 99
4) Vinyl Chloride	2.17	62	253422	48.082	ug/l 99
5) Bromomethane	2.53	94	147969	48.292	ug/l 100
6) Chloroethane	2.68	64	136944	46.230	ug/l 99
7) Trichlorofluoromethane	2.99	101	288180	49.833	ug/l 99
8) Diethyl Ether	3.38	74	90262	49.955	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	140748	48.296	ug/l 100
10) Methyl Iodide	3.92	142	194698	50.465	ug/l 99
11) Tert butyl alcohol	4.75	59	153779	212.674	ug/l 99
12) 1,1-Dichloroethene	3.71	96	134484	47.306	ug/l 95
13) Acrolein	3.58	56	120439	233.830	ug/l 98
14) Allyl chloride	4.29	41	271487	46.519	ug/l 99
15) Acrylonitrile	4.95	53	437542	250.164	ug/l 100
16) Acetone	3.78	43	508889	217.323	ug/l 99
17) Carbon Disulfide	4.02	76	424847	43.507	ug/l 100
18) Methyl Acetate	4.29	43	231259	47.131	ug/l 99
19) Methyl tert-butyl Ether	5.01	73	493764	49.191	ug/l 98
20) Methylene Chloride	4.52	84	158990	47.013	ug/l 99
21) trans-1,2-Dichloroethene	5.01	96	151242	47.722	ug/l 99
22) Diisopropyl ether	5.92	45	536355	49.851	ug/l 98
23) Vinyl Acetate	5.86	43	2090134	247.544	ug/l 100
24) 1,1-Dichloroethane	5.82	63	299660	49.167	ug/l 100
25) 2-Butanone	6.80	43	673027	240.355	ug/l 99
26) 2,2-Dichloropropane	6.80	77	268584	48.488	ug/l 100
27) cis-1,2-Dichloroethene	6.80	96	174504	49.691	ug/l 100
28) Bromochloromethane	7.17	49	103779	40.611	ug/l 98
29) Tetrahydrofuran	7.18	42	414299	242.837	ug/l 99
30) Chloroform	7.35	83	293874	48.986	ug/l 100
31) Cyclohexane	7.63	56	273409	47.477	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	263651	48.747	ug/l 99
36) 1,1-Dichloropropene	7.77	75	229798	50.602	ug/l 99
37) Ethyl Acetate	6.90	43	261155	49.478	ug/l 100
38) Carbon Tetrachloride	7.75	117	233195	49.486	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	265240	51.491	ug/l	99
40) Benzene	8.02	78	657976	49.578	ug/l	100
41) Methacrylonitrile	7.18	41	378262	173.649	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	250430	49.273	ug/l	100
43) Isopropyl Acetate	8.14	43	417674	50.898	ug/l	100
44) Trichloroethene	8.82	130	171517	49.340	ug/l	98
45) 1,2-Dichloropropane	9.10	63	179012	49.951	ug/l	98
46) Dibromomethane	9.19	93	114747	48.872	ug/l	97
47) Bromodichloromethane	9.39	83	235731	50.358	ug/l	99
48) Methyl methacrylate	9.18	41	186988	50.223	ug/l	100
49) 1,4-Dioxane	9.18	88	45515	853.065	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1287828	263.213	ug/l	100
52) Toluene	10.14	92	405722	49.755	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	271831	50.210	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	284702	50.028	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	159701	49.909	ug/l	99
56) Ethyl methacrylate	10.42	69	253222	53.307	ug/l	99
57) 1,3-Dichloropropane	10.70	76	279381	50.146	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	299898	198.506	ug/l	99
59) 2-Hexanone	10.74	43	1019020	264.261	ug/l	99
60) Dibromochloromethane	10.90	129	177395	50.795	ug/l	99
61) 1,2-Dibromoethane	11.00	107	170868	50.351	ug/l	98
64) Tetrachloroethene	10.62	164	194736	51.916	ug/l	99
65) Chlorobenzene	11.43	112	428523	49.218	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	162535	49.148	ug/l	99
67) Ethyl Benzene	11.51	91	793524	50.492	ug/l	99
68) m/p-Xylenes	11.62	106	590162	101.694	ug/l	99
69) o-Xylene	11.94	106	282044	51.077	ug/l	99
70) Styrene	11.96	104	458232	51.649	ug/l	99
71) Bromoform	12.12	173	128711	51.776	ug/l #	98
73) Isopropylbenzene	12.25	105	760198	49.546	ug/l	99
74) N-amyl acetate	12.07	43	359007	51.010	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	234173	48.114	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	352059	72.760	ug/l #	100
77) Bromobenzene	12.53	156	178553	47.320	ug/l	98
78) n-propylbenzene	12.59	91	910646	50.209	ug/l	100
79) 2-Chlorotoluene	12.67	91	534556	48.742	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	650979	50.136	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	94667	48.323	ug/l	98
82) 4-Chlorotoluene	12.77	91	557082	49.610	ug/l	99
83) tert-Butylbenzene	12.99	119	543083	49.389	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	655300	50.756	ug/l	100
85) sec-Butylbenzene	13.17	105	746055	51.006	ug/l	99
86) p-Isopropyltoluene	13.29	119	680098	51.338	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	331619	47.795	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	327666	46.839	ug/l	99
89) n-Butylbenzene	13.62	91	627168	50.496	ug/l	99
90) Hexachloroethane	13.87	117	125465	50.104	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	325073	47.507	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57271	43.342	ug/l	100

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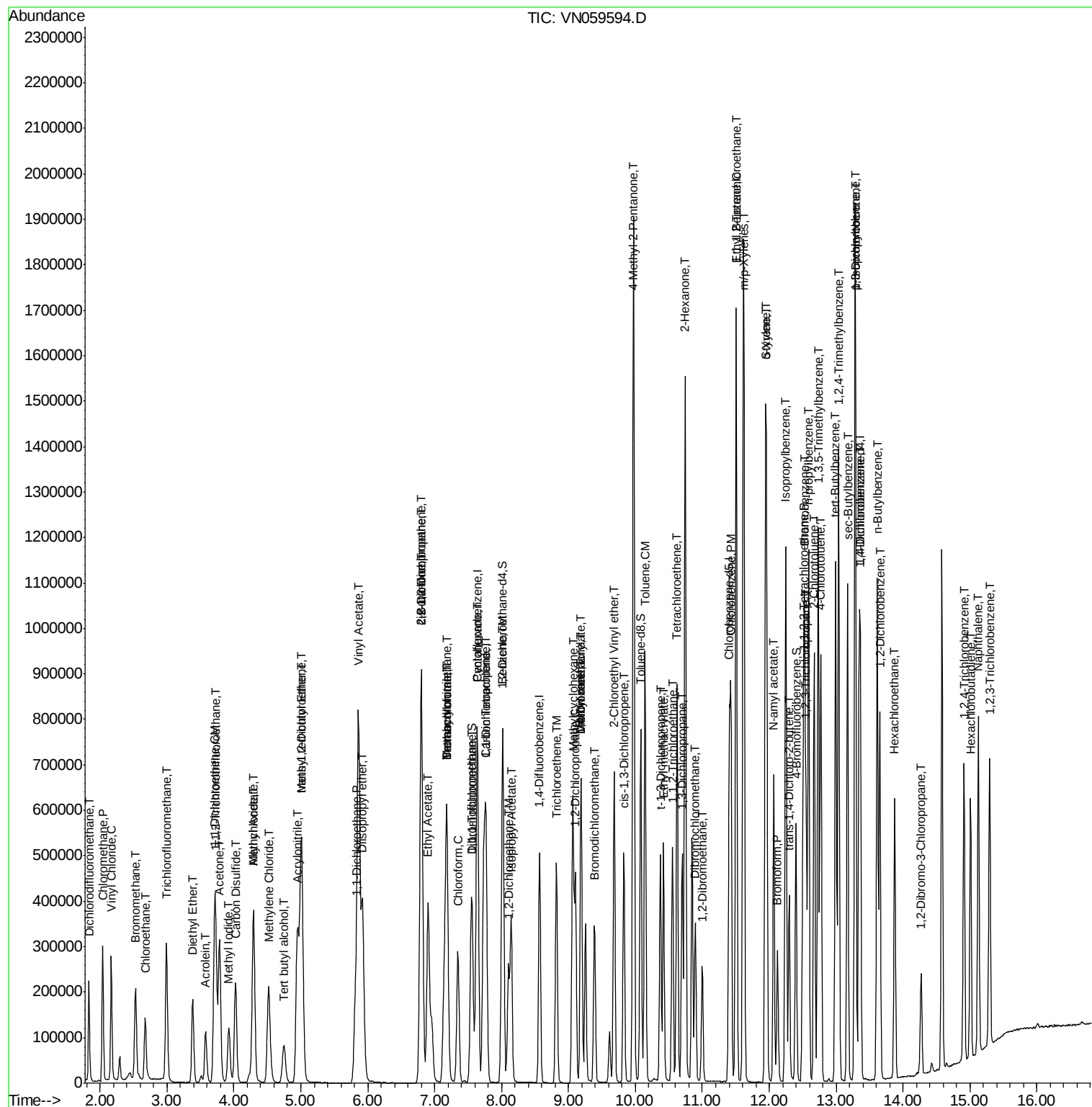
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	200039	45.272	ug/l	99
94) Hexachlorobutadiene	15.01	225	102314	44.263	ug/l	99
95) Naphthalene	15.12	128	589237	44.670	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	190965	42.731	ug/l	99

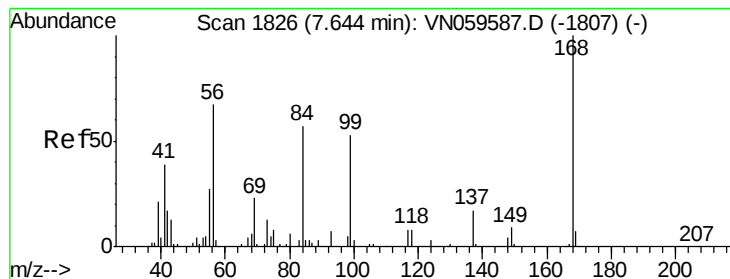
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

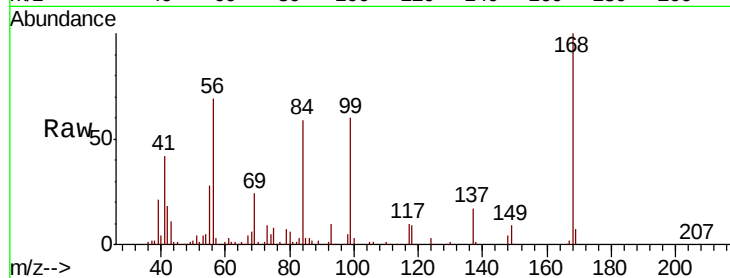
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 271042

Ion Ratio Lower Upper

168 100

99 59.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

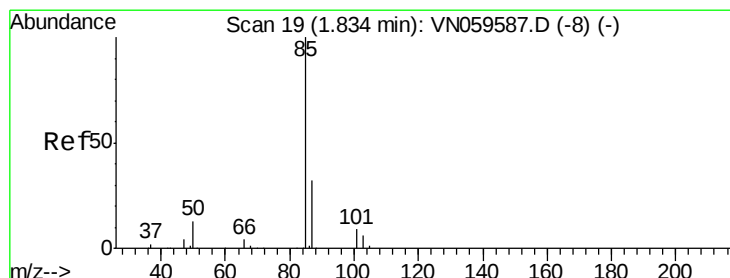
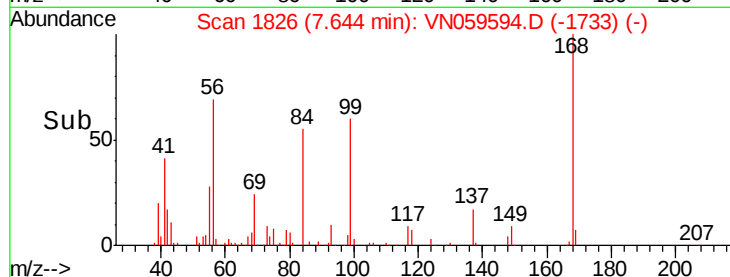
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.212 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059594.D

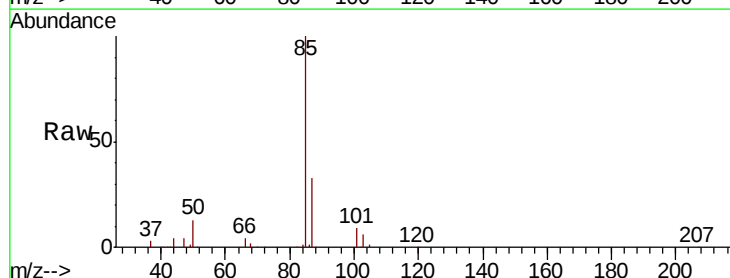
Acq: 13 Dec 2019 19:18

Tgt Ion: 85 Resp: 165355

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

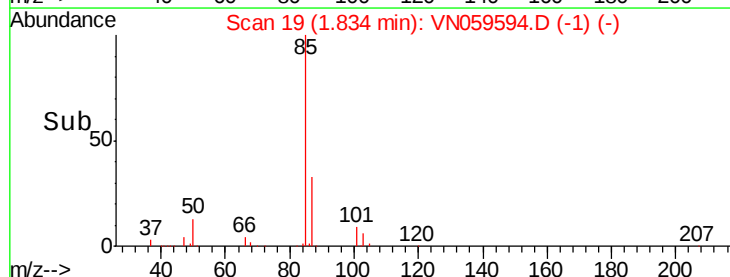
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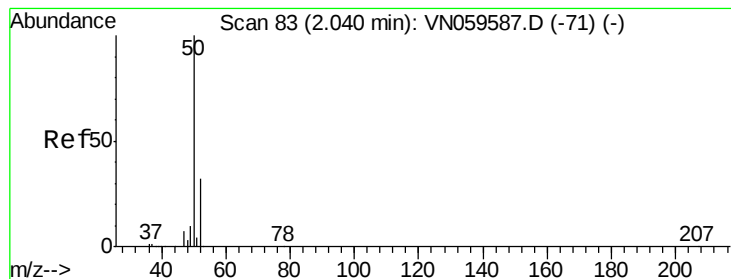
50000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 46.607 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

Instrument :

MSVOA_N

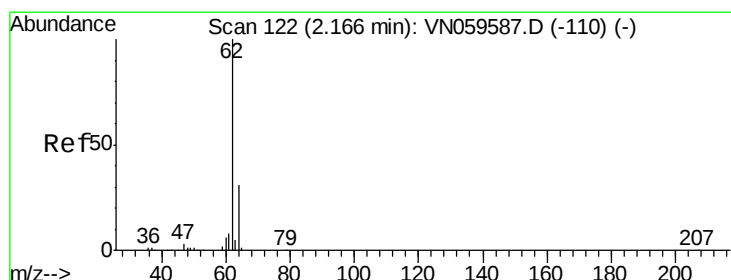
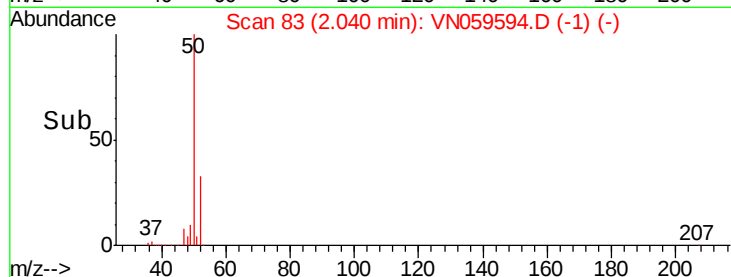
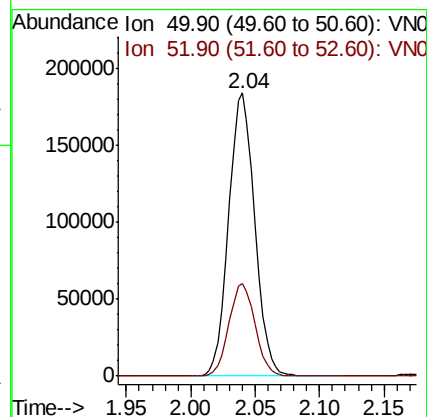
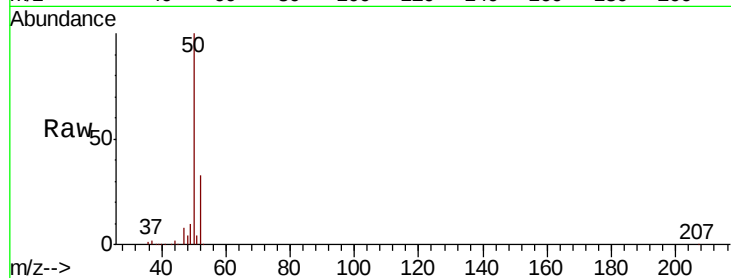
ClientSampled :

Tot Ion: 50 Resp: 259043

Ion Ratio Lower Upper

50 100

52 32.7 25.9 38.9



#4

Vinyl Chloride

Concen: 48.082 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059594.D

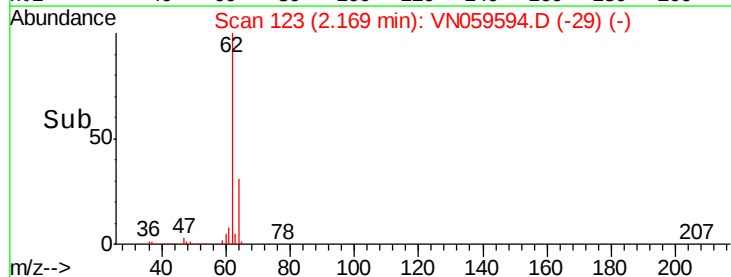
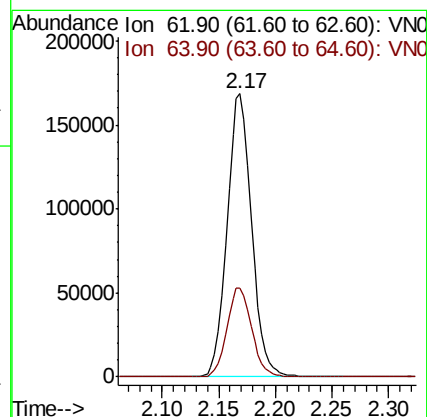
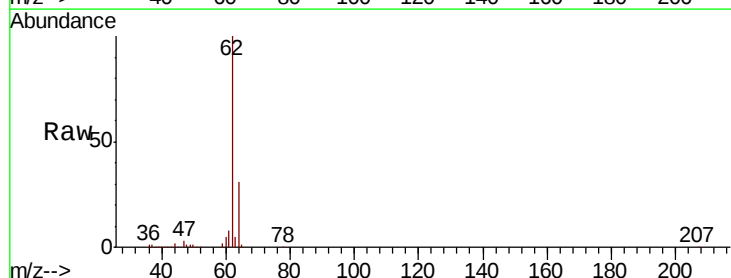
Acq: 13 Dec 2019 19:18

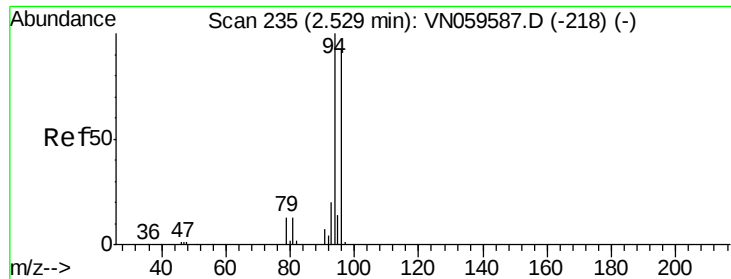
Tgt Ion: 62 Resp: 253422

Ion Ratio Lower Upper

62 100

64 31.5 24.6 37.0





#5

Bromomethane

Concen: 48.292 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

Instrument :

MSVOA_N

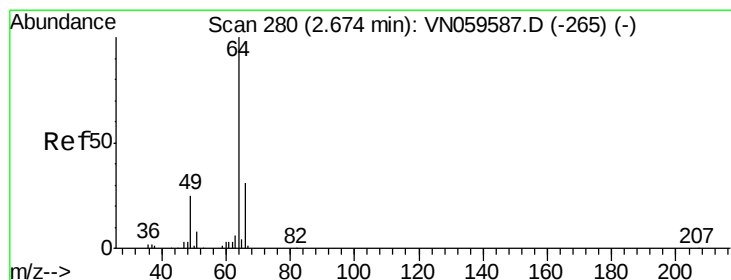
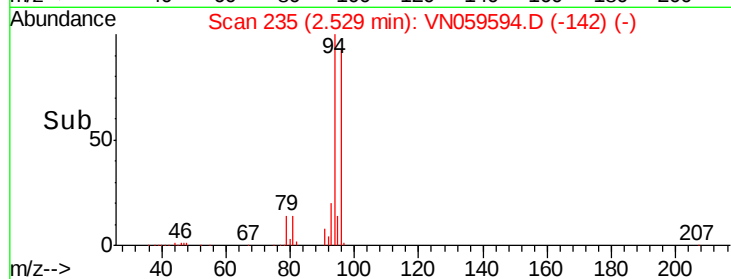
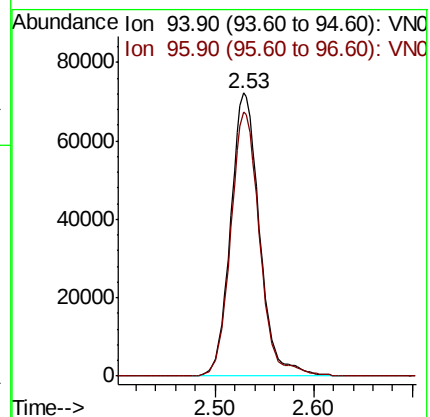
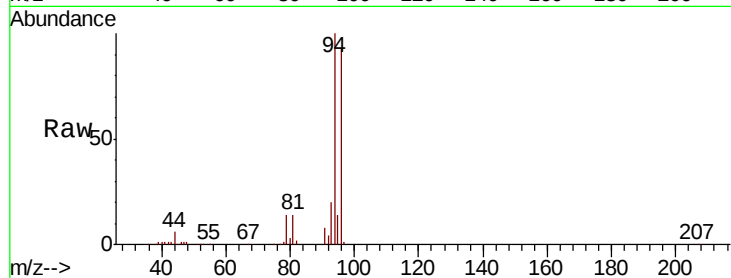
ClientSampleId :

Tot Ion: 94 Resp: 147969

Ion Ratio Lower Upper

94 100

96 93.2 74.7 112.1



#6

Chloroethane

Concen: 46.230 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN059594.D

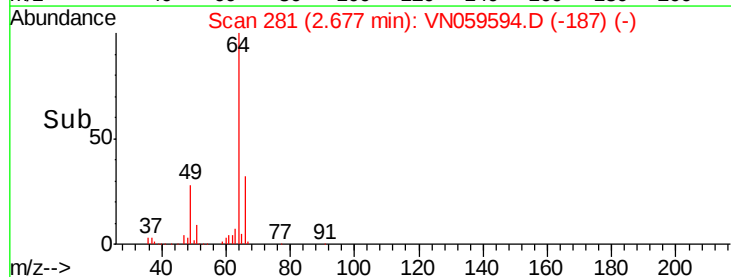
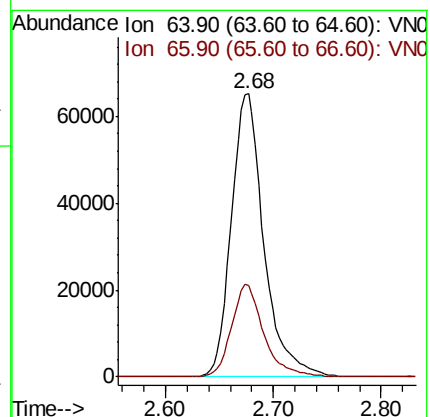
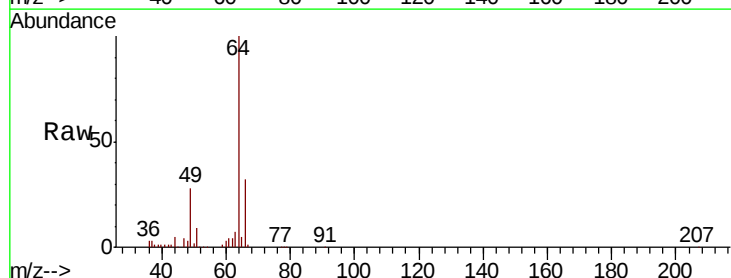
Acq: 13 Dec 2019 19:18

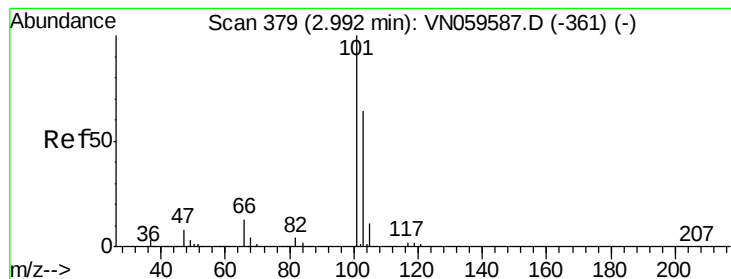
Tgt Ion: 64 Resp: 136944

Ion Ratio Lower Upper

64 100

66 32.1 25.1 37.7



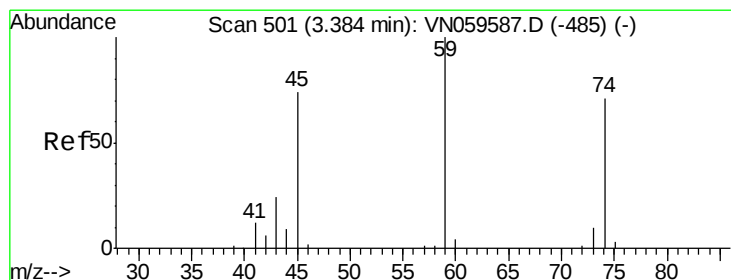
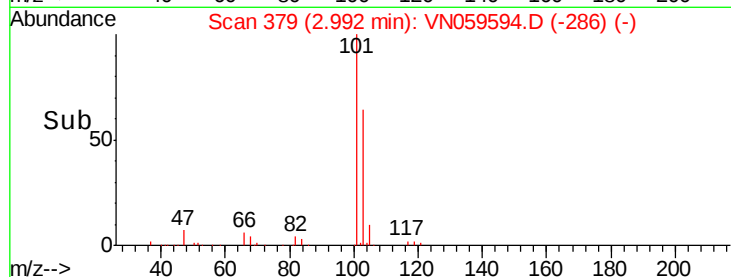
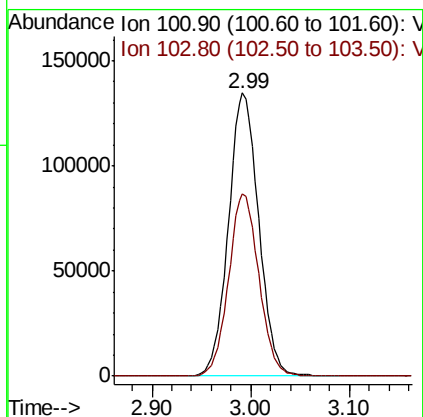
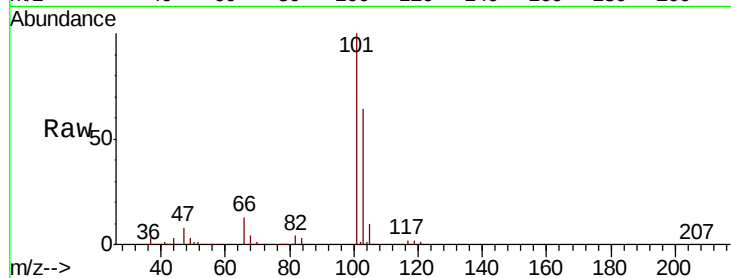


#7

Trichlorofluoromethane
 Concen: 49.833 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VN059594.D
 Acq: 13 Dec 2019 19:18

Instrument :
 MSVOA_N
 ClientSampled :

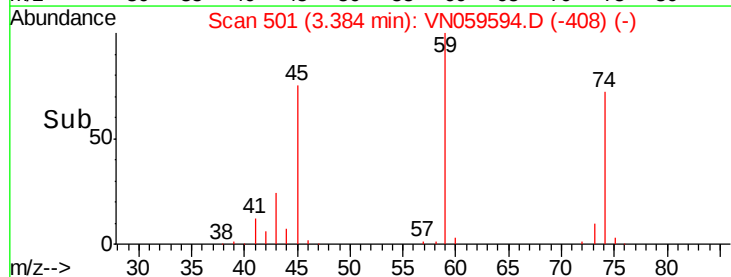
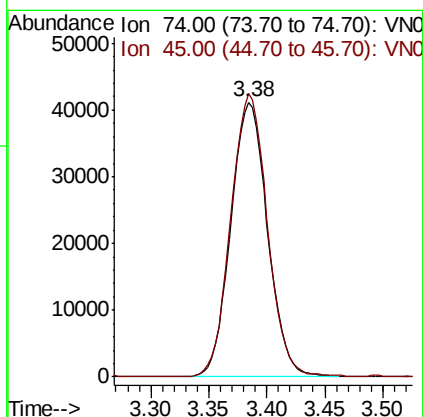
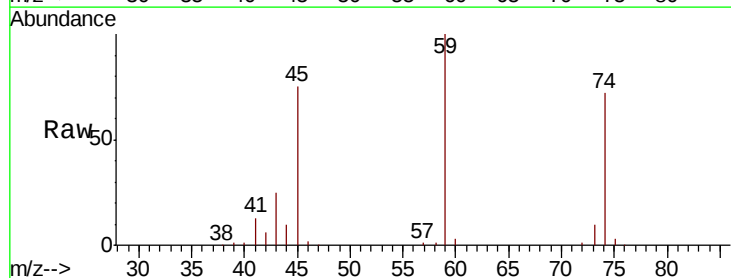
Tot Ion:101 Resp: 288180
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.0 76.6

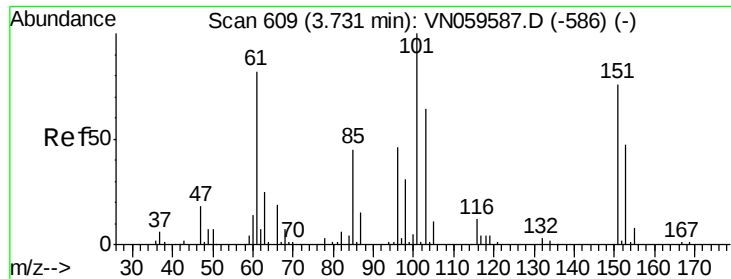


#8

Diethyl Ether
 Concen: 49.955 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059594.D
 Acq: 13 Dec 2019 19:18

Tgt Ion: 74 Resp: 90262
 Ion Ratio Lower Upper
 74 100
 45 102.8 51.9 155.8

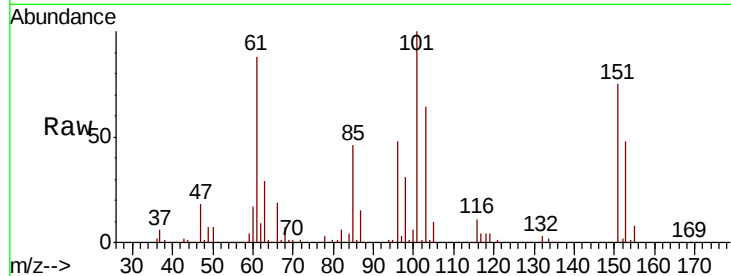




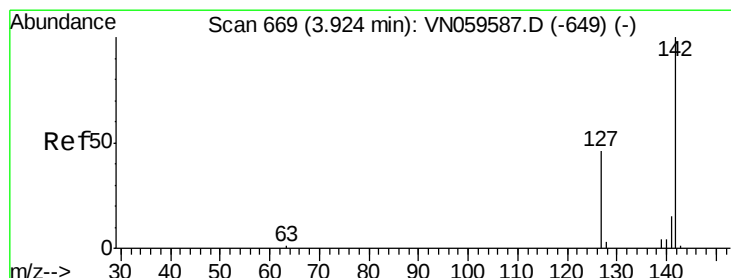
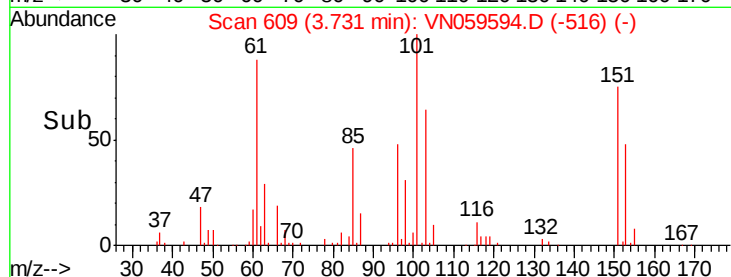
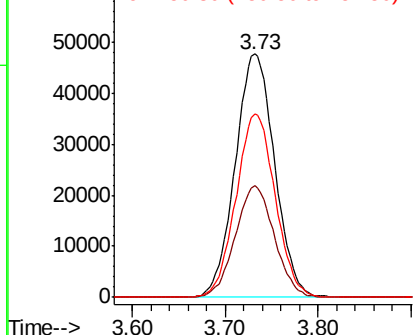
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.296 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN059594.D
 Acq: 13 Dec 2019 19:18

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:101 Resp: 140748
 Ion Ratio Lower Upper
 101 100
 85 45.4 36.6 54.8
 151 74.9 59.7 89.5

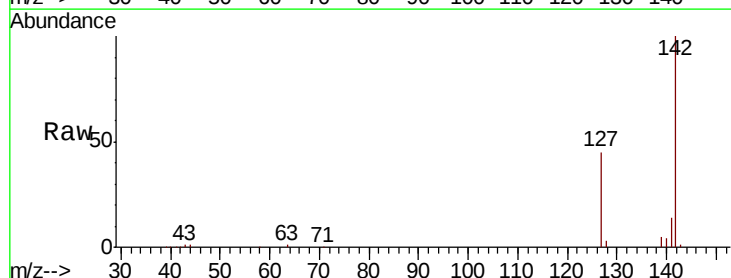


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

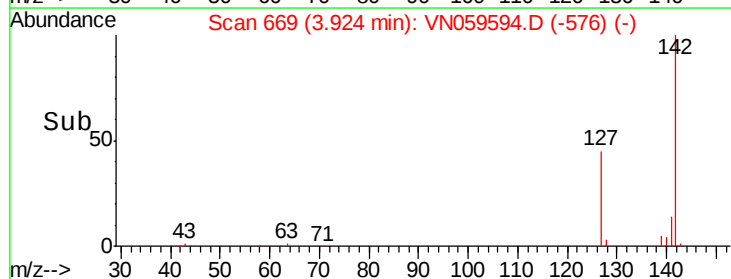
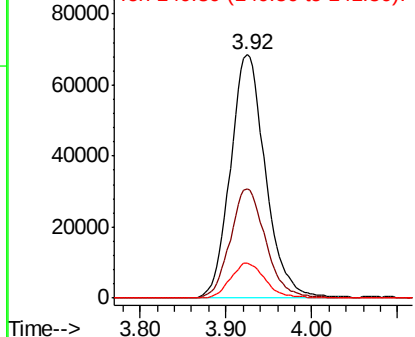


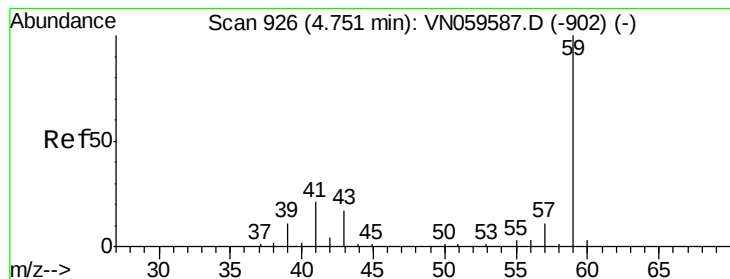
#10
 Methyl Iodide
 Concen: 50.465 ug/l
 RT: 3.92 min Scan# 669
 Delta R.T. -0.00 min
 Lab File: VN059594.D
 Acq: 13 Dec 2019 19:18

Tgt Ion:142 Resp: 194698
 Ion Ratio Lower Upper
 142 100
 127 45.4 36.7 55.1
 141 14.3 11.7 17.5



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V



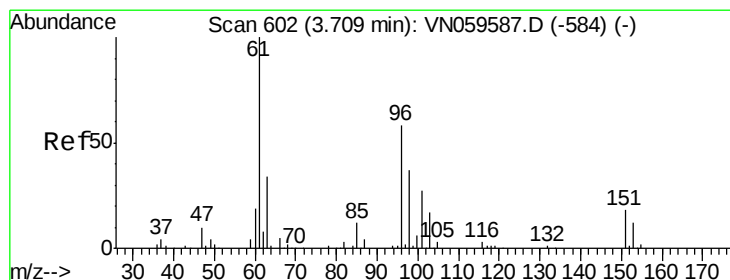
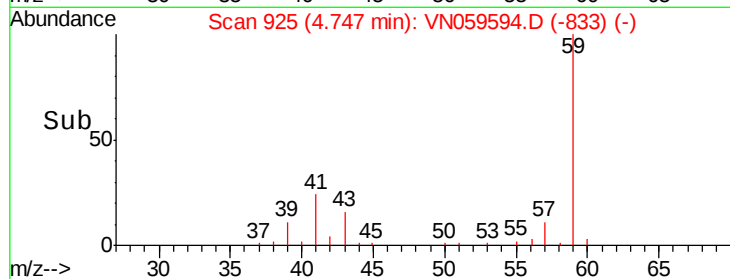
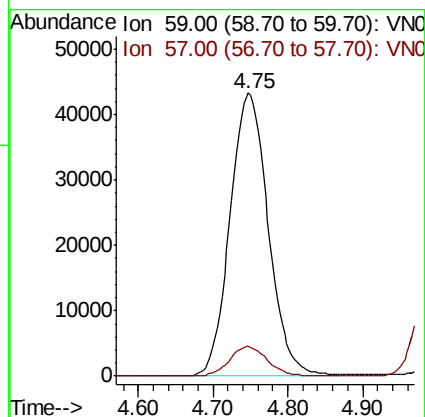
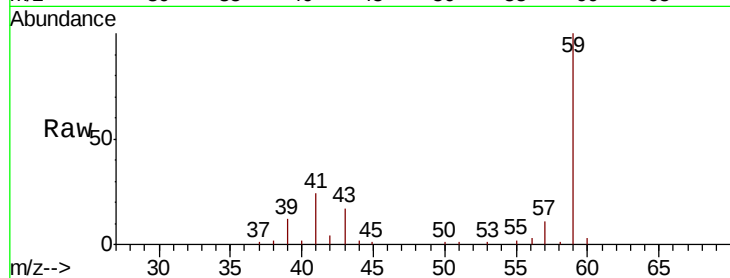


#11

Tert butyl alcohol
 Concen: 212.674 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: VN059594.D
 Acq: 13 Dec 2019 19:18

Instrument :
 MSVOA_N
 ClientSampled :

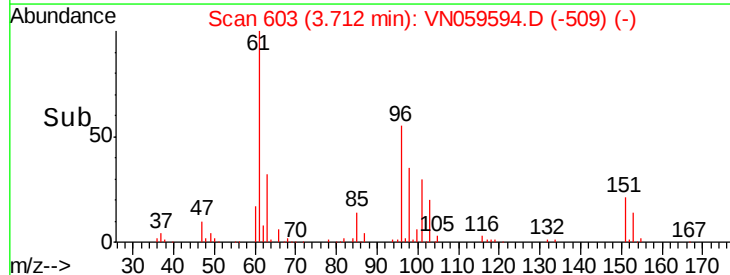
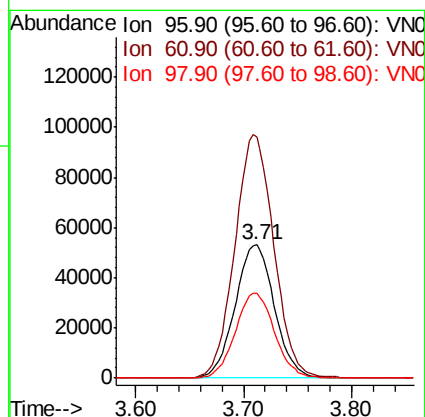
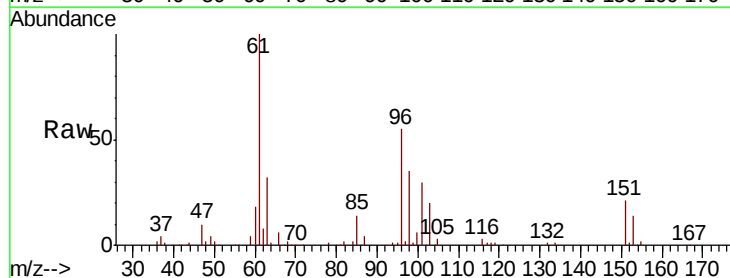
Tot Ion: 59 Resp: 153779
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.6 12.8

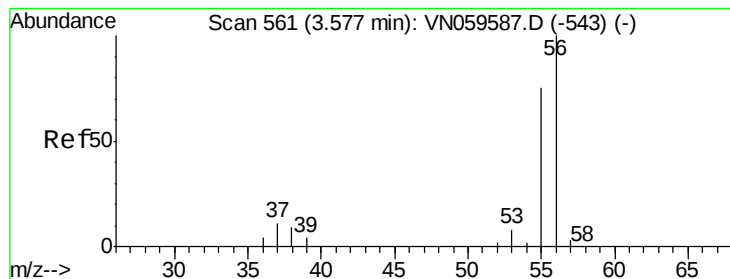


#12

1,1-Dichloroethene
 Concen: 47.306 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN059594.D
 Acq: 13 Dec 2019 19:18

Tgt Ion: 96 Resp: 134484
 Ion Ratio Lower Upper
 96 100
 61 181.4 137.5 206.3
 98 63.7 50.2 75.4





#13

Acrolein

Concen: 233.830 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

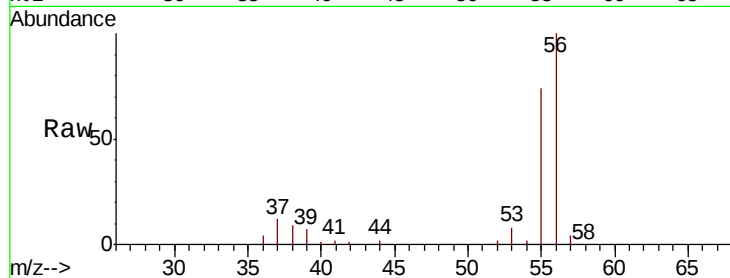
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 120439

Ion Ratio Lower Upper

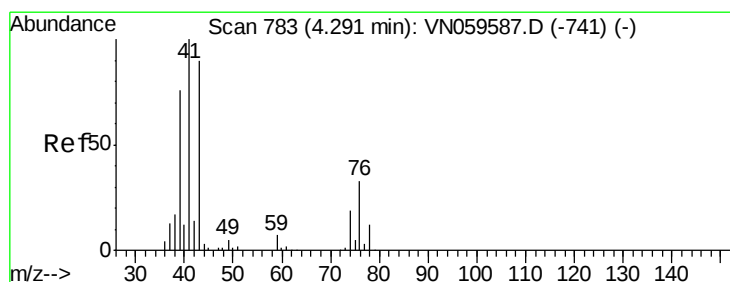
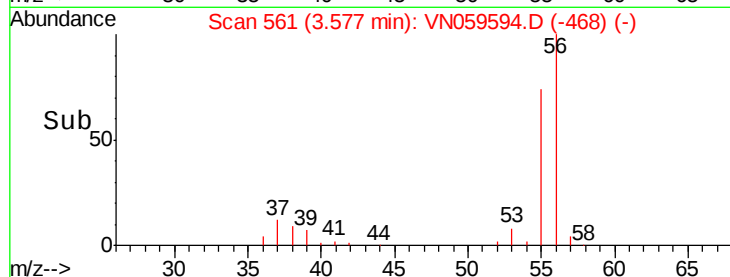
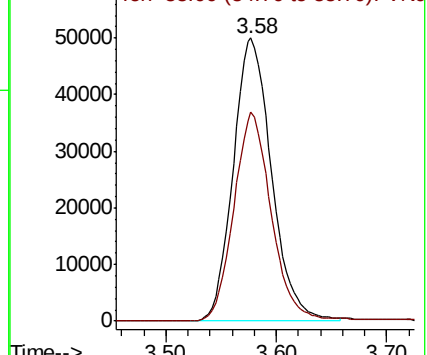
56 100

55 71.8 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.519 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

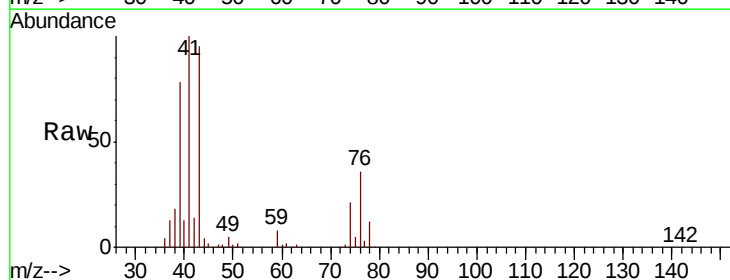
Tgt Ion: 41 Resp: 271487

Ion Ratio Lower Upper

41 100

39 73.3 57.8 86.8

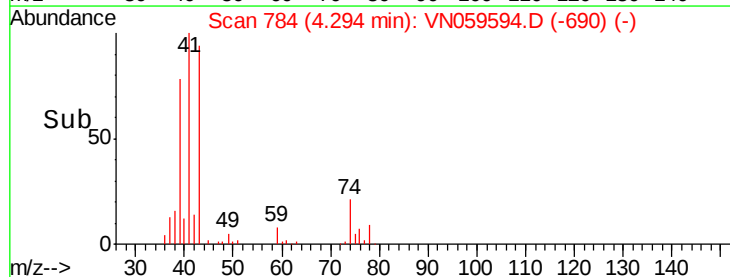
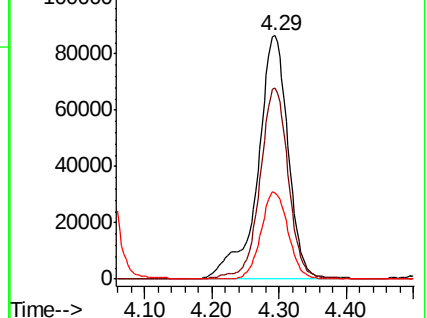
76 32.1 25.4 38.0

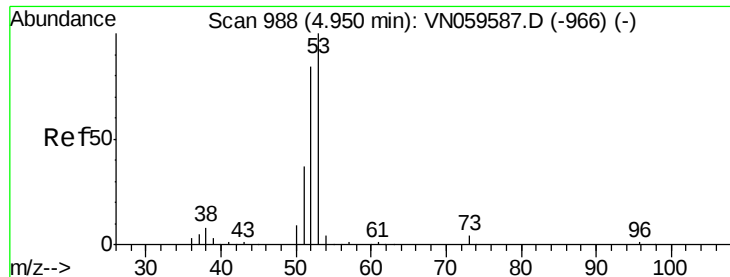


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 250.164 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

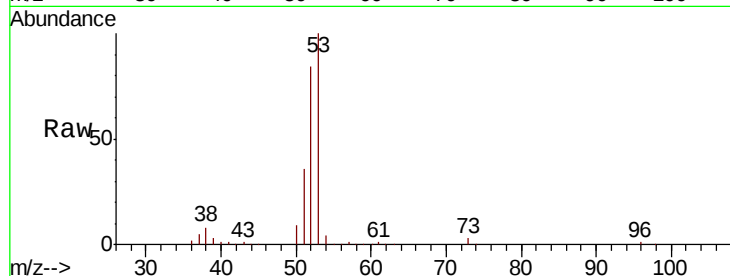
Tot Ion: 53 Resp: 437542

Ion Ratio Lower Upper

53 100

52 83.0 66.3 99.5

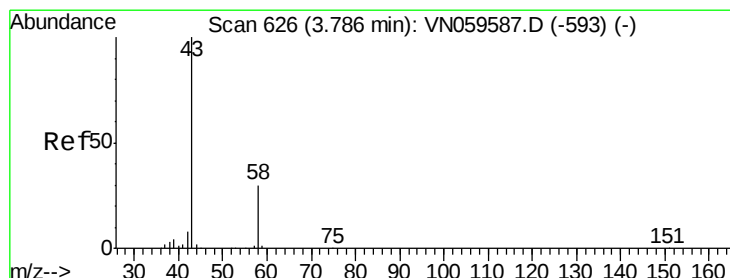
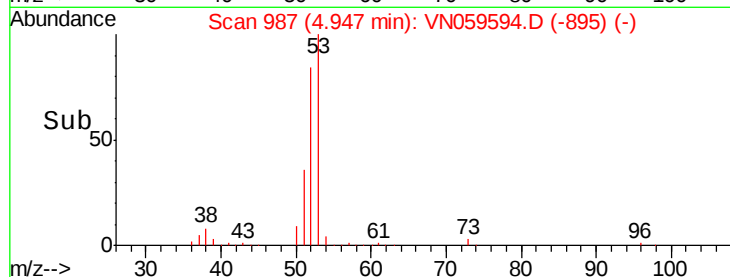
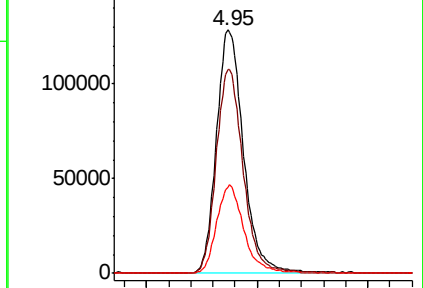
51 36.5 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 217.323 ug/l

RT: 3.78 min Scan# 625

Delta R.T. -0.00 min

Lab File: VN059594.D

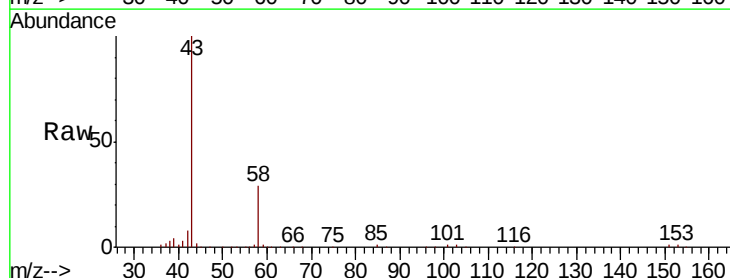
Acq: 13 Dec 2019 19:18

Tgt Ion: 43 Resp: 508889

Ion Ratio Lower Upper

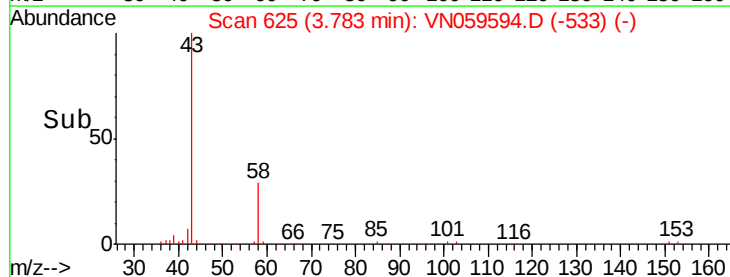
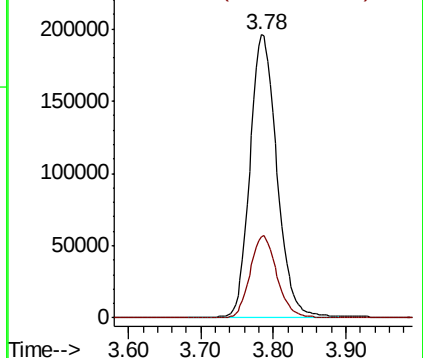
43 100

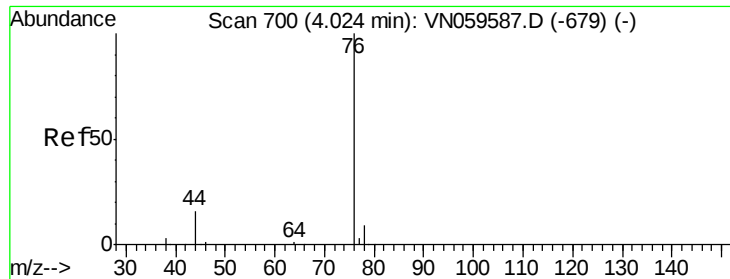
58 28.8 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

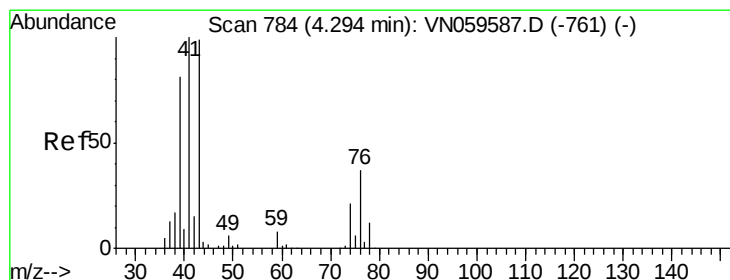
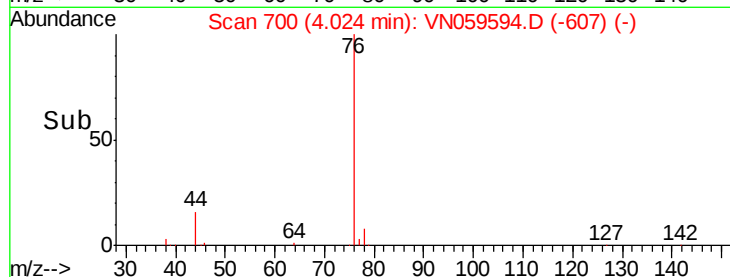
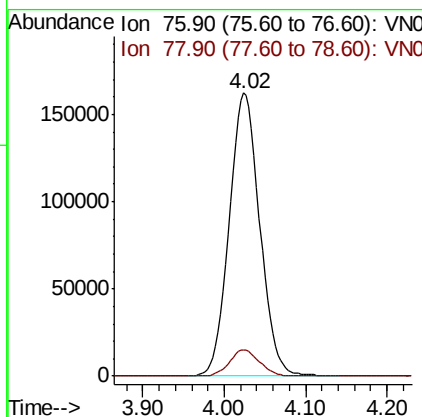
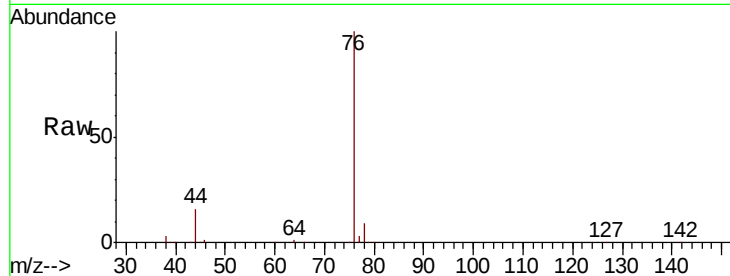




#17
Carbon Disulfide
Concen: 43.507 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

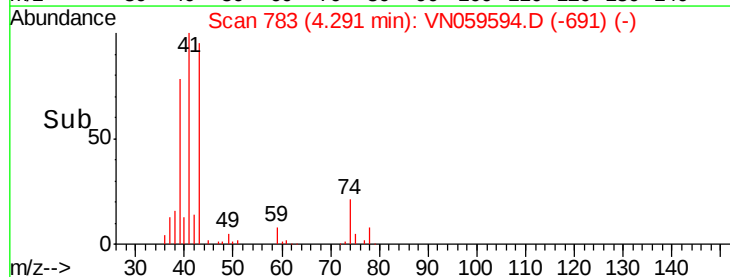
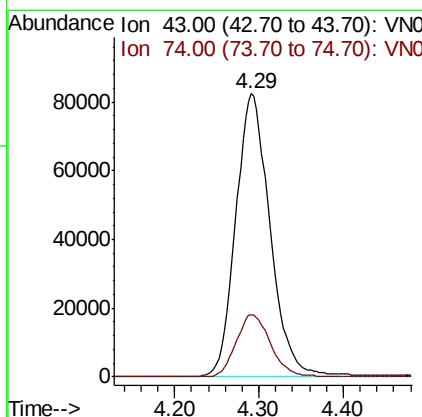
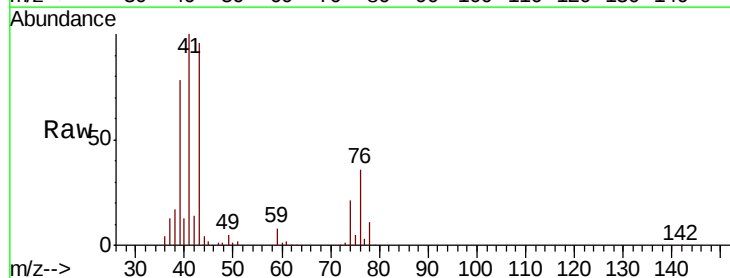
Instrument :
MSVOA_N
ClientSampleId :

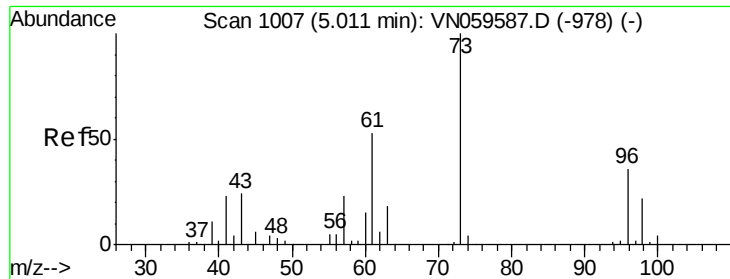
Tot Ion: 76 Resp: 424847
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 47.131 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

Tgt Ion: 43 Resp: 231259
Ion Ratio Lower Upper
43 100
74 22.3 17.5 26.3

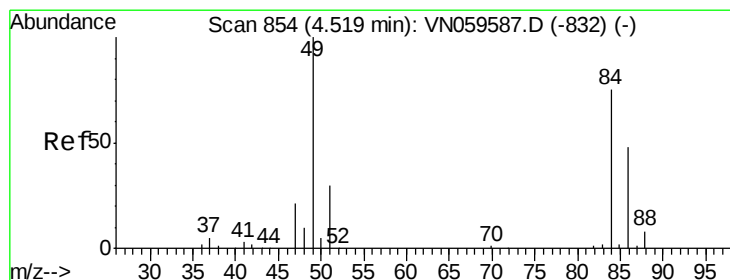
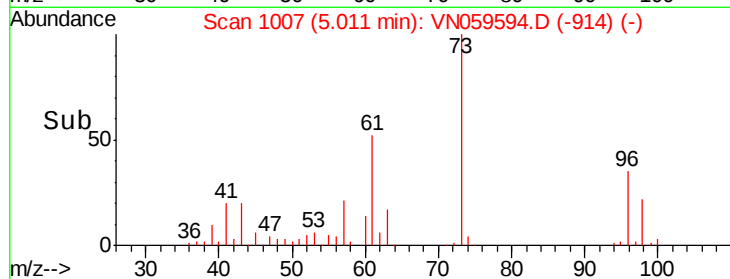
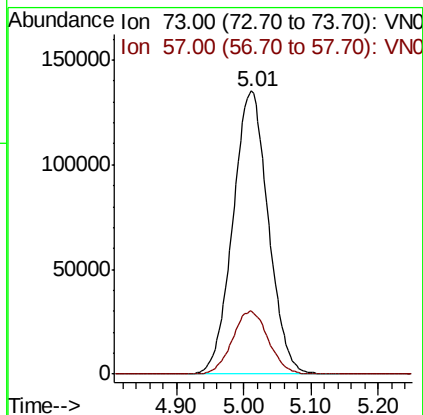
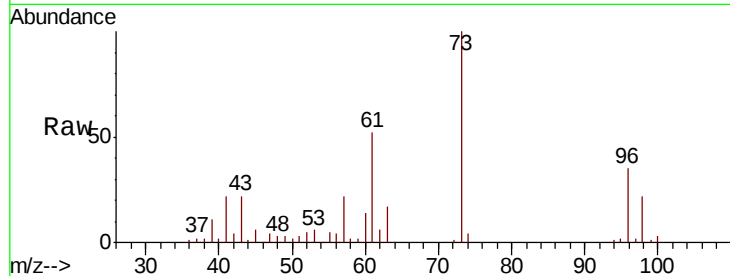




#19
Methvl tert-butvl Ether
Concen: 49.191 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

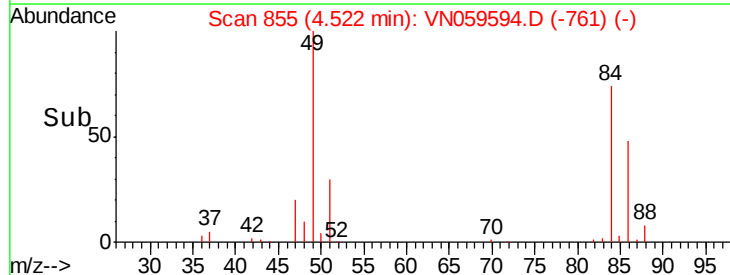
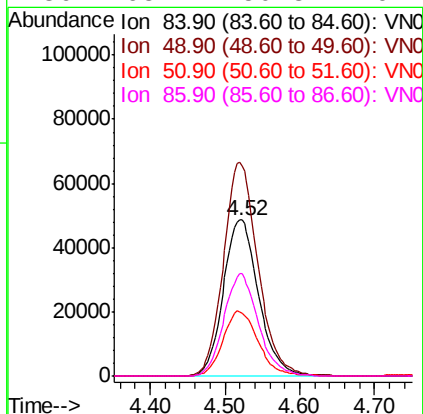
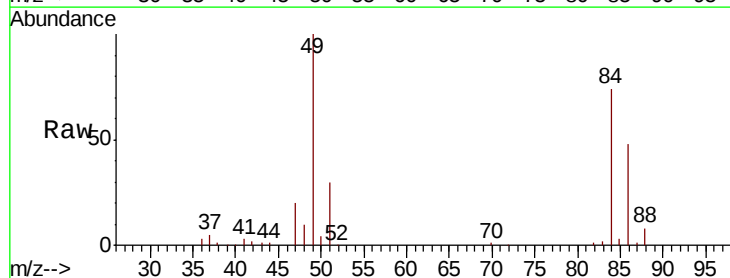
Instrument :
MSVOA_N
ClientSampleId :

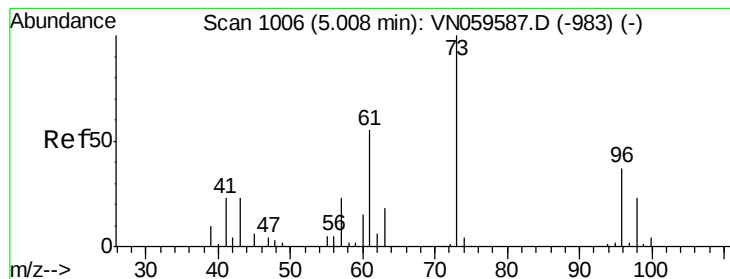
Tot Ion: 73 Resp: 493764
Ion Ratio Lower Upper
73 100
57 22.2 18.6 27.8



#20
Methylene Chloride
Concen: 47.013 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

Tgt Ion: 84 Resp: 158990
Ion Ratio Lower Upper
84 100
49 134.8 106.6 160.0
51 39.9 31.9 47.9
86 65.4 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 47.722 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

Instrument :
MSVOA_N
ClientSampled :

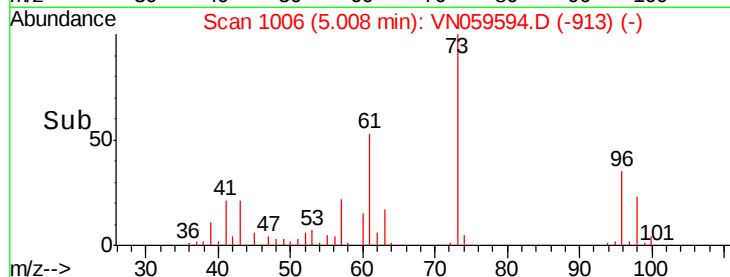
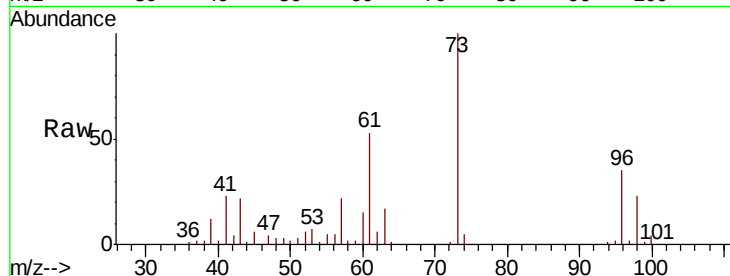
Tot Ion: 96 Resp: 151242

Ion Ratio Lower Upper

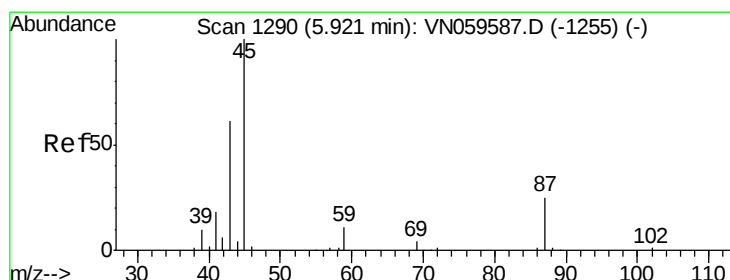
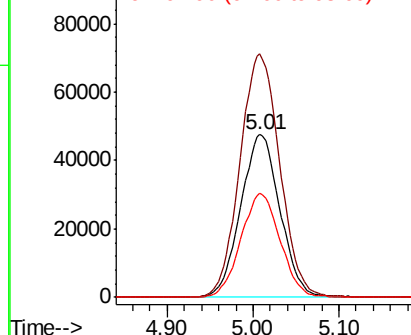
96 100

61 149.7 120.4 180.6

98 63.8 50.6 75.8



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 49.851 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

Tgt Ion: 45 Resp: 536355

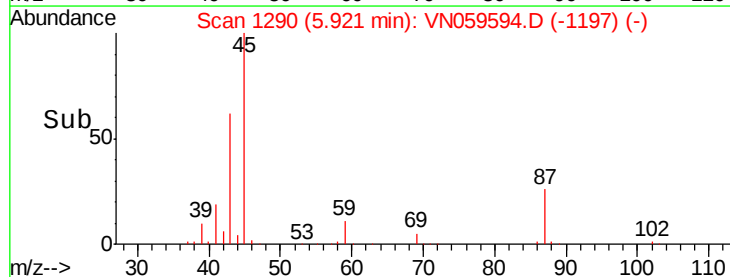
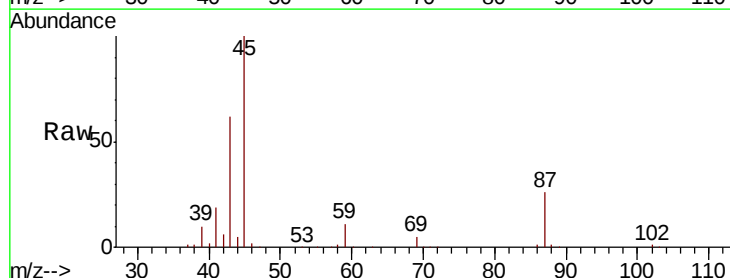
Ion Ratio Lower Upper

45 100

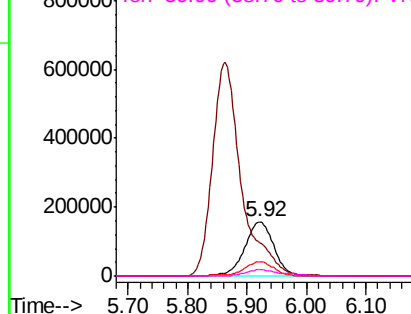
43 61.2 50.8 76.2

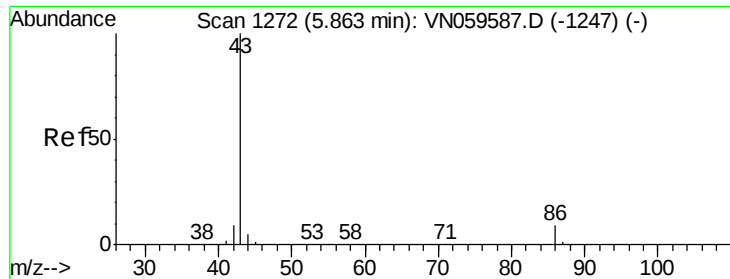
87 26.1 21.0 31.6

59 11.3 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

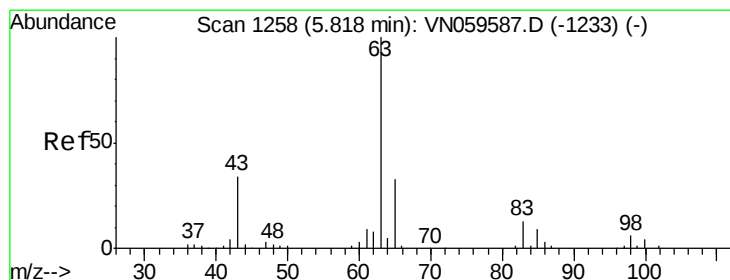
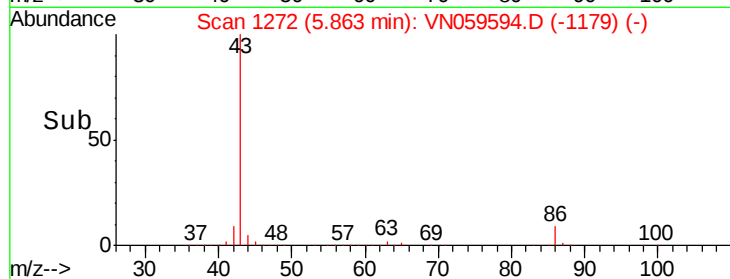
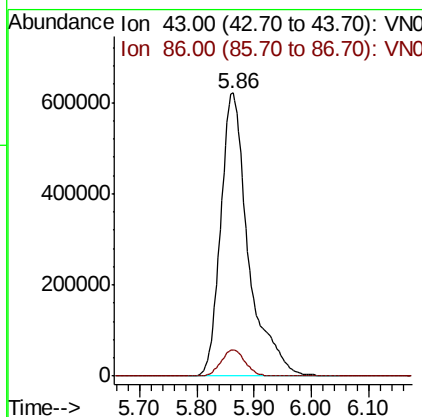
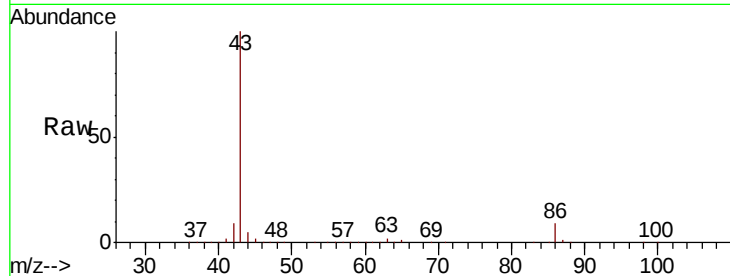




#23
 Vinyl Acetate
 Concen: 247.544 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VN059594.D
 Acq: 13 Dec 2019 19:18

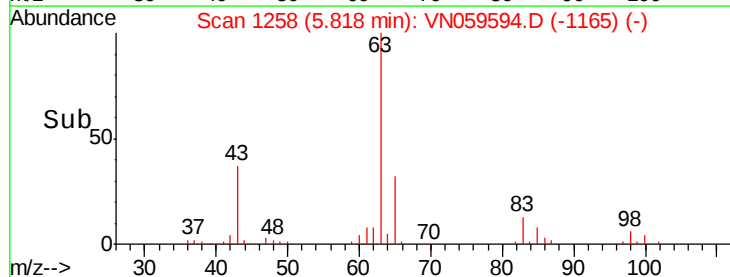
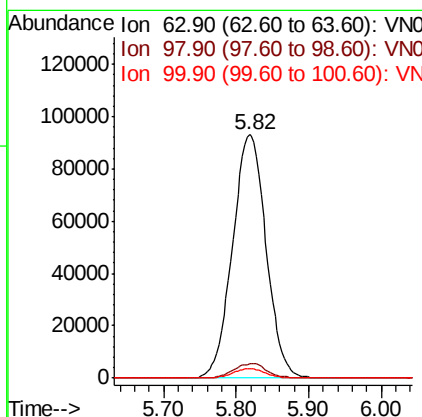
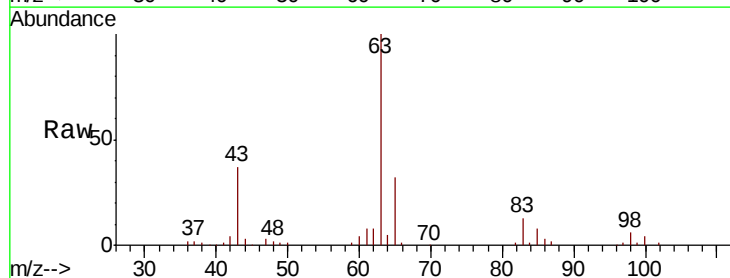
Instrument :
 MSVOA_N
 ClientSampleId :

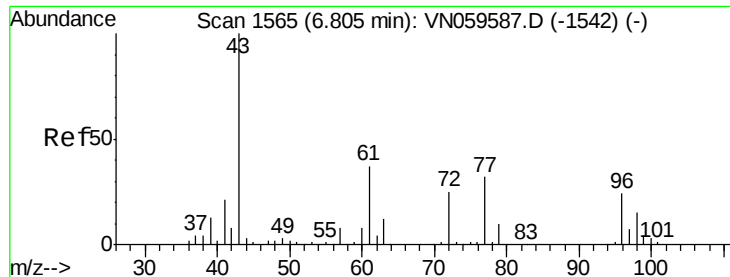
Tot Ion: 43 Resp: 2090134
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 49.167 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN059594.D
 Acq: 13 Dec 2019 19:18

Tgt Ion: 63 Resp: 299660
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.7
 100 3.9 2.0 6.0





#25

2-Butanone

Concen: 240.355 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

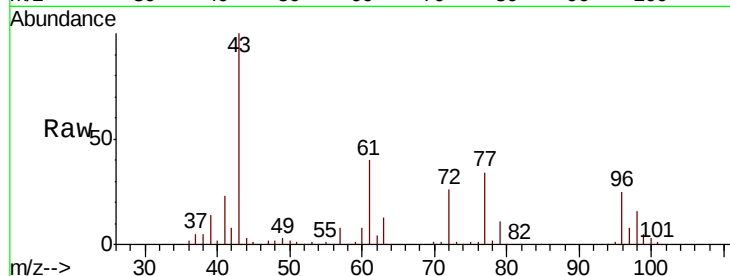
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 673027

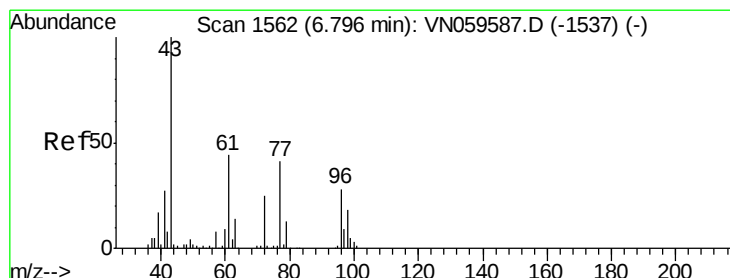
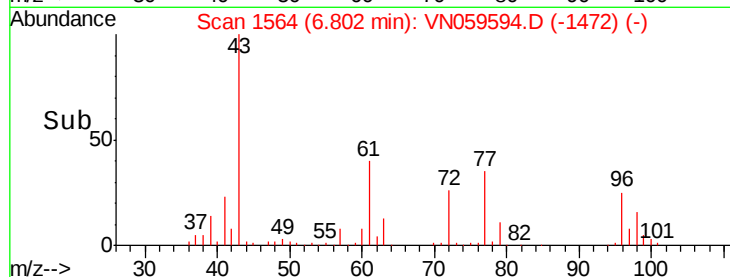
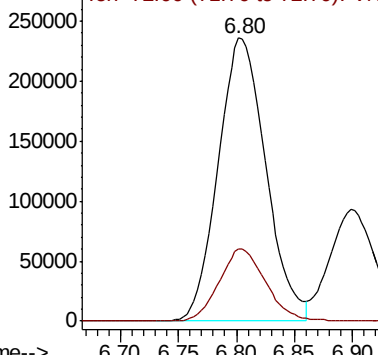
Ion Ratio Lower Upper

43 100

72 25.6 19.9 29.9



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



#26

2,2-Dichloropropane

Concen: 48.488 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059594.D

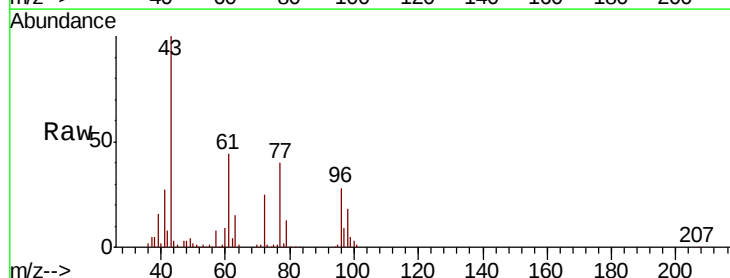
Acq: 13 Dec 2019 19:18

Tgt Ion: 77 Resp: 268584

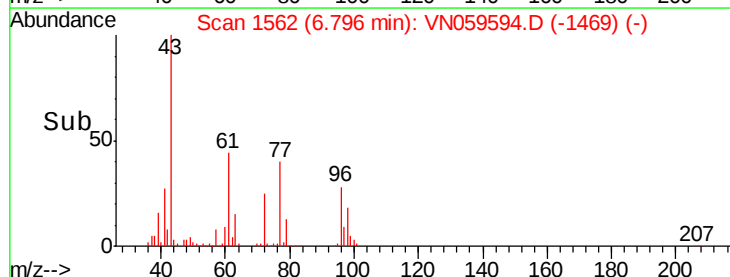
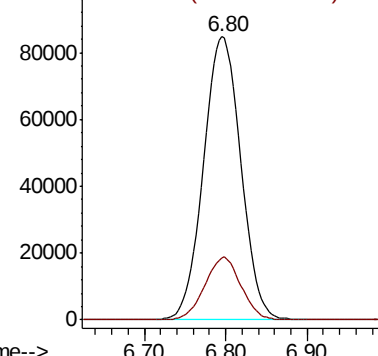
Ion Ratio Lower Upper

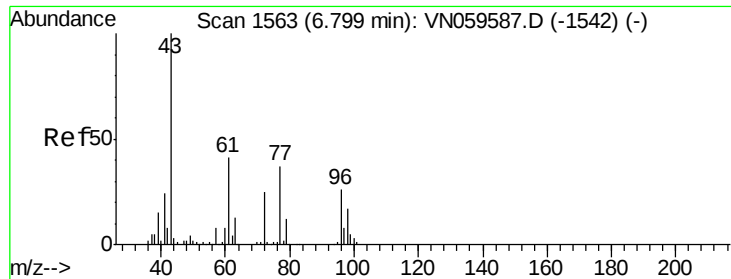
77 100

97 21.4 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0
Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 49.691 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

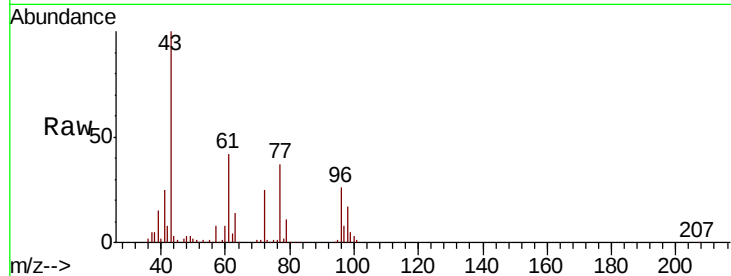
Tot Ion: 96 Resp: 174504

Ion Ratio Lower Upper

96 100

61 158.7 0.0 317.6

98 63.5 0.0 127.0



Abundance Ion 95.90 (95.60 to 96.60): VN059587.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN059587.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN059587.D (-1542) (-)

120000

100000

80000

60000

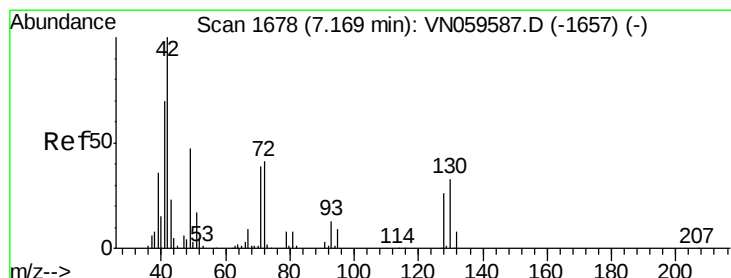
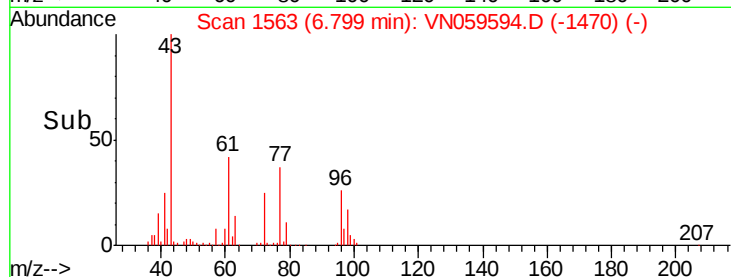
40000

20000

0

6.70 6.80 6.90

Time-->



#28

Bromochloromethane

Concen: 40.611 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

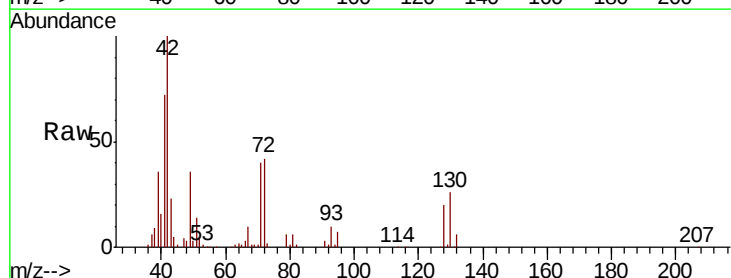
Tgt Ion: 49 Resp: 103779

Ion Ratio Lower Upper

49 100

129 0.9 0.0 3.4

130 70.1 54.7 82.1



Abundance Ion 48.90 (48.60 to 49.60): VN059587.D (-1657) (-)

Ion 128.80 (128.50 to 129.50): VN059587.D (-1657) (-)

Ion 129.80 (129.50 to 130.50): VN059587.D (-1657) (-)

50000

40000

30000

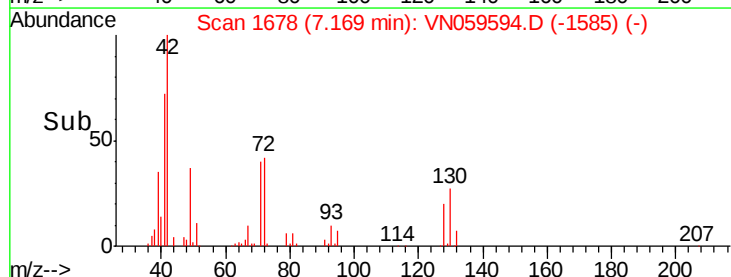
20000

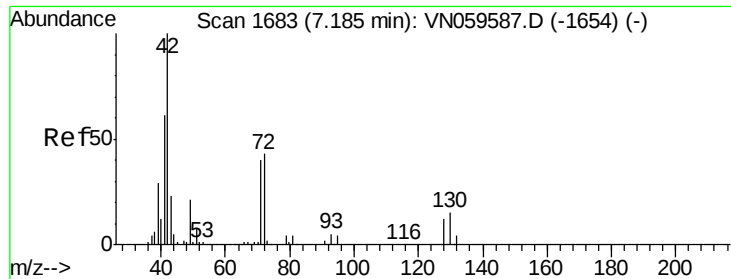
10000

0

7.10 7.20 7.30

Time-->

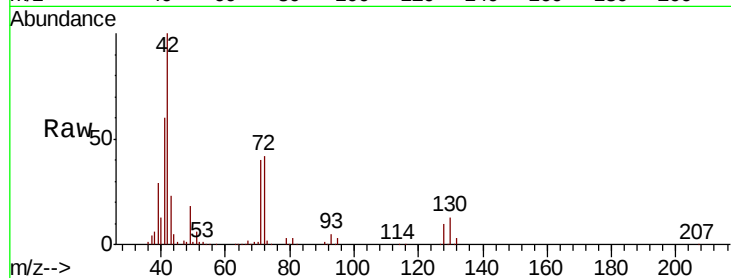




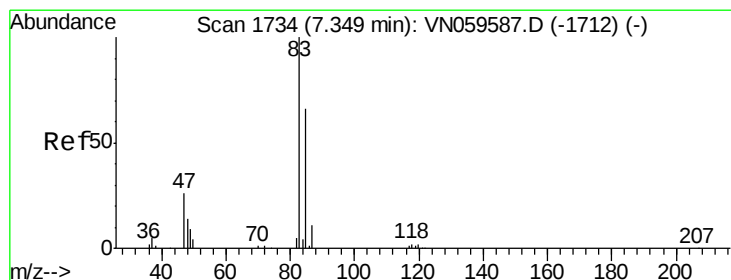
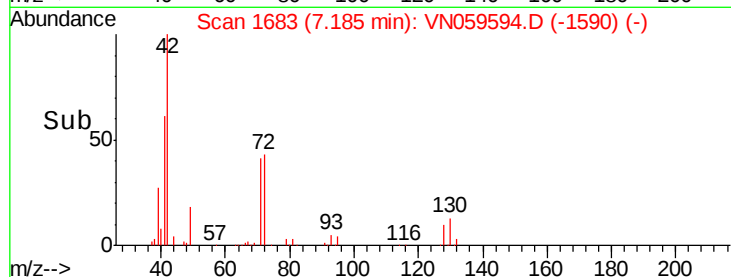
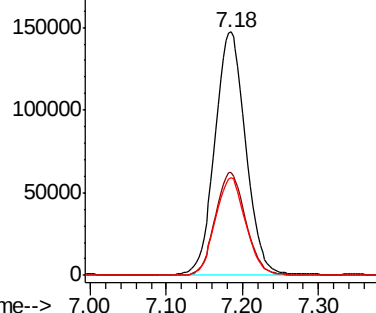
#29
Tetrahydrofuran
Concen: 242.837 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.1	49.7
71	39.6	31.4	47.0

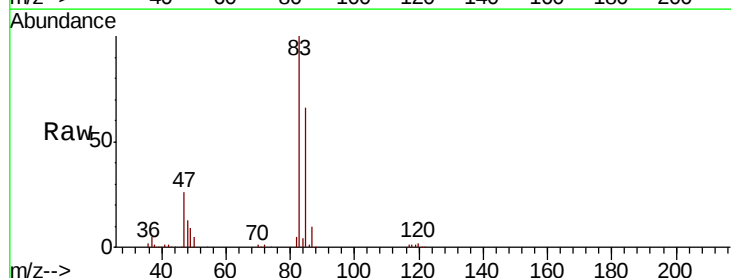


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

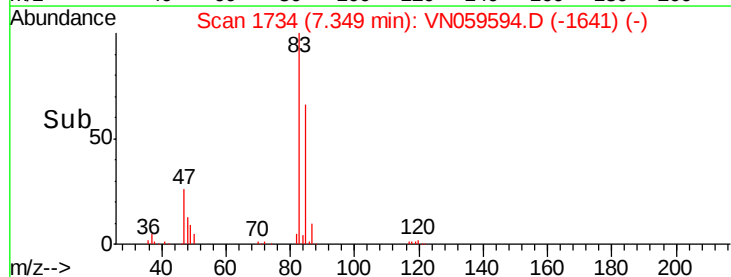
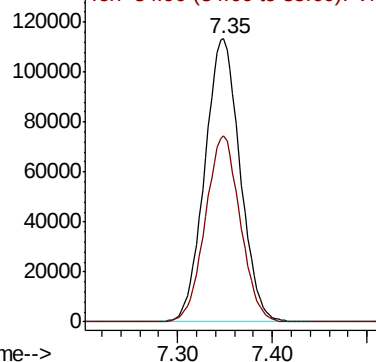


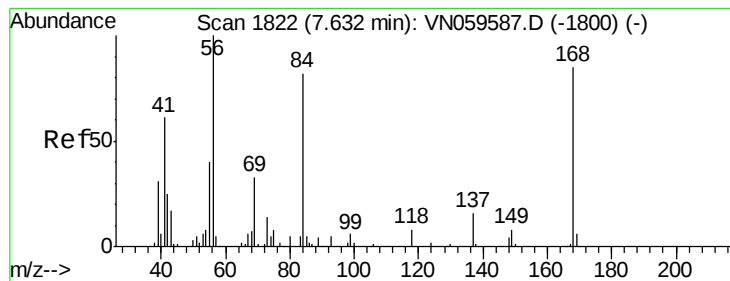
#30
Chloroform
Concen: 48.986 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.4	78.6



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





#31

Cyclohexane

Concen: 47.477 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

Instrument :
MSVOA_N
ClientSampled :

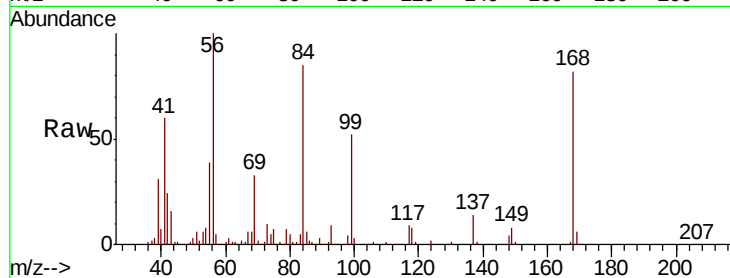
Tot Ion: 56 Resp: 273409

Ion Ratio Lower Upper

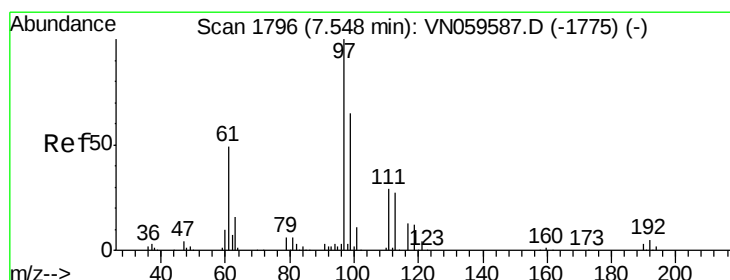
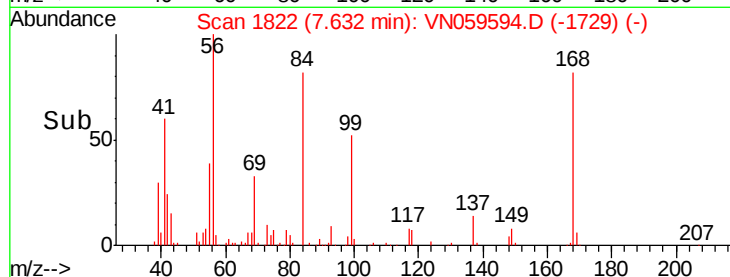
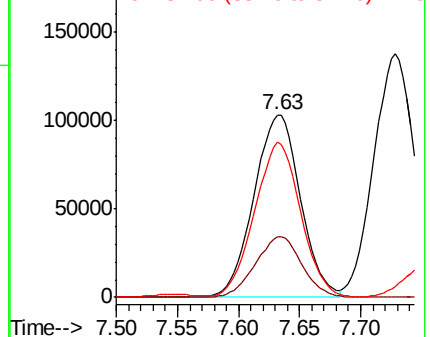
56 100

69 33.0 26.5 39.7

84 84.2 65.3 97.9



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



#32

1,1,1-Trichloroethane

Concen: 48.747 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

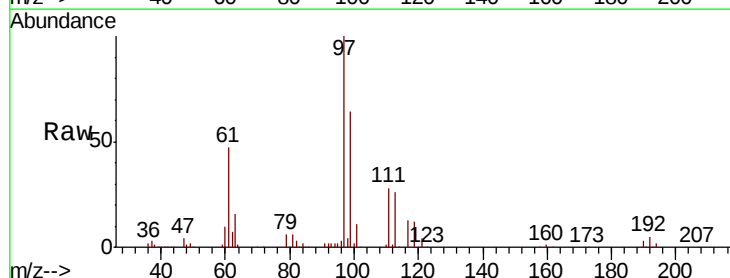
Tgt Ion: 97 Resp: 263651

Ion Ratio Lower Upper

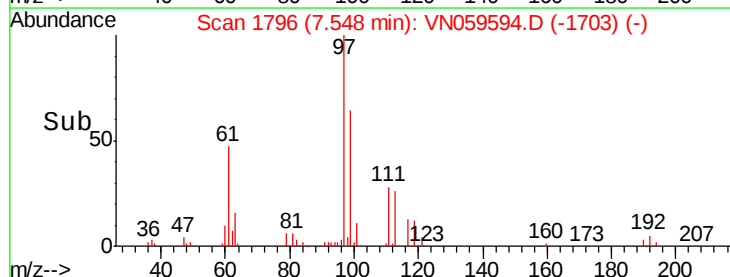
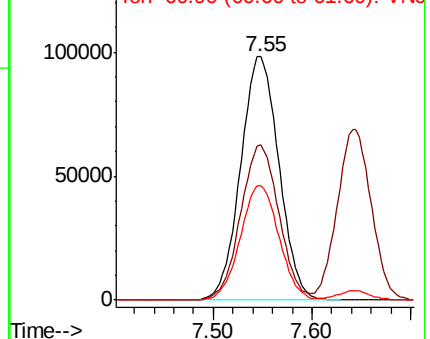
97 100

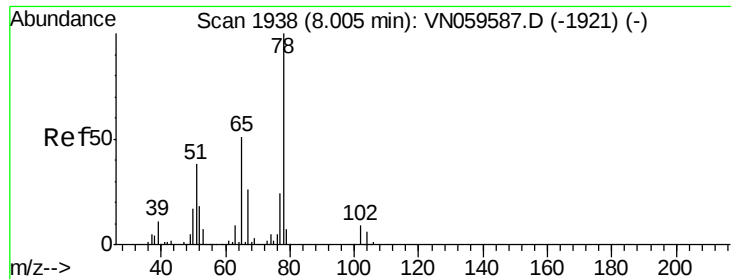
99 63.8 51.0 76.4

61 47.4 38.5 57.7



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

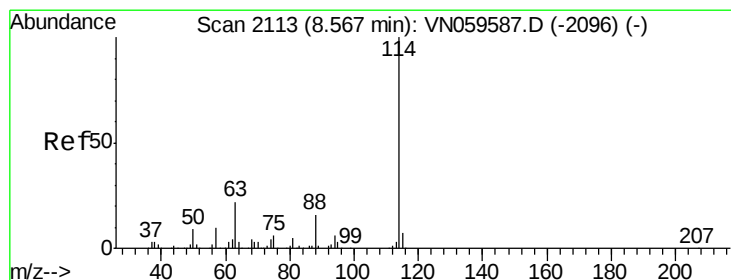
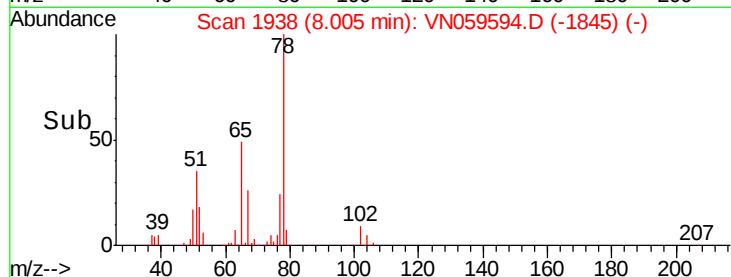
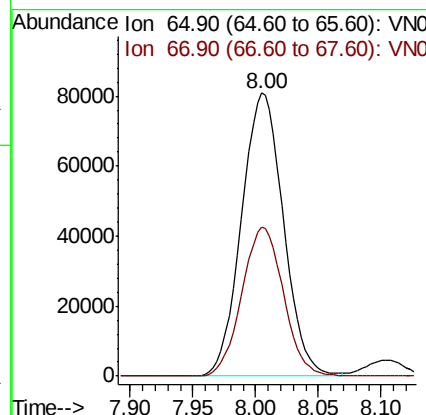
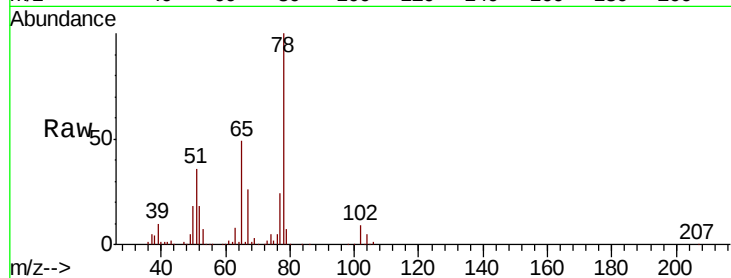




#33
 1,2-Dichloroethane-d4
 Concen: 47.662 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059594.D
 Acq: 13 Dec 2019 19:18

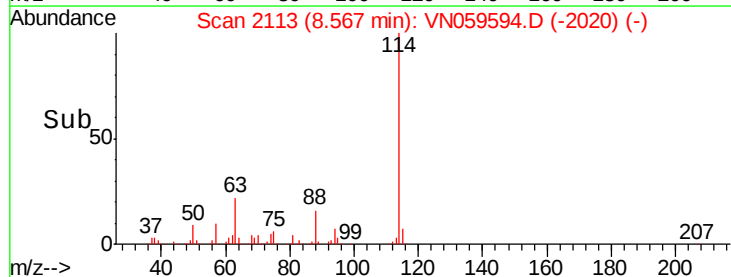
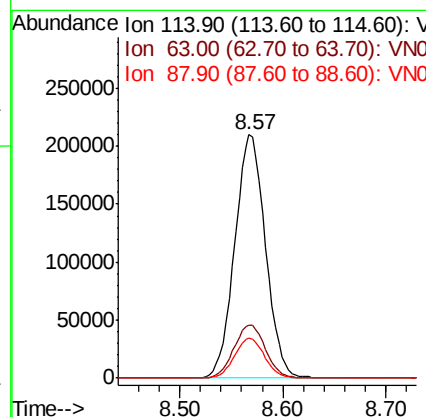
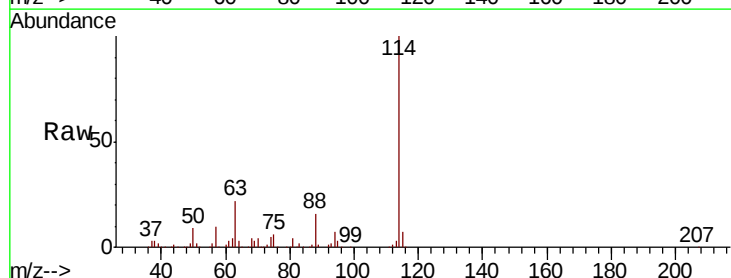
Instrument :
 MSVOA_N
 ClientSampleId :

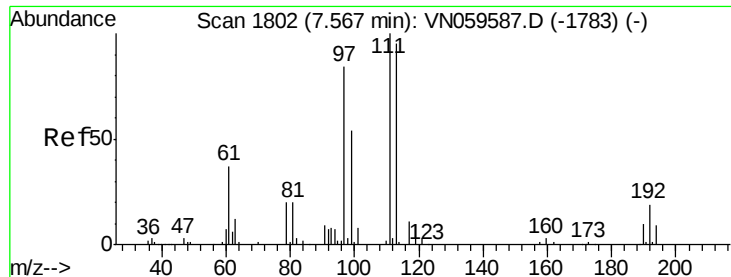
Tot Ion: 65 Resp: 187982
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059594.D
 Acq: 13 Dec 2019 19:18

Tgt Ion: 114 Resp: 435468
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.6
 88 16.2 0.0 31.4

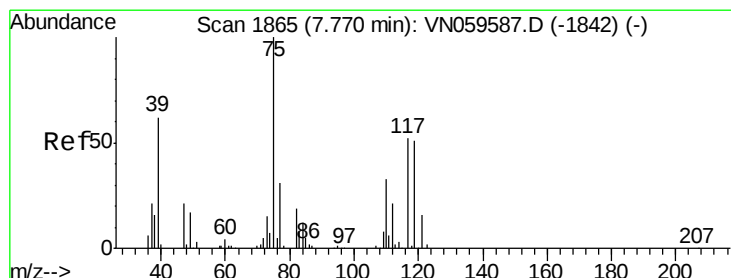
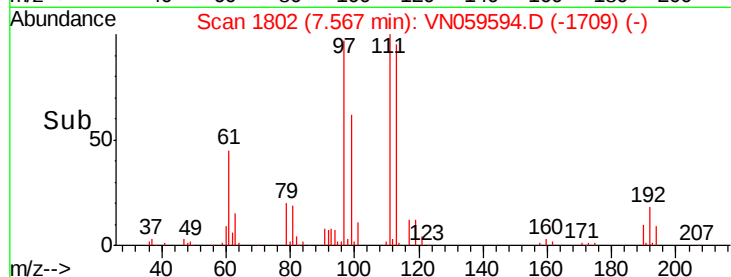
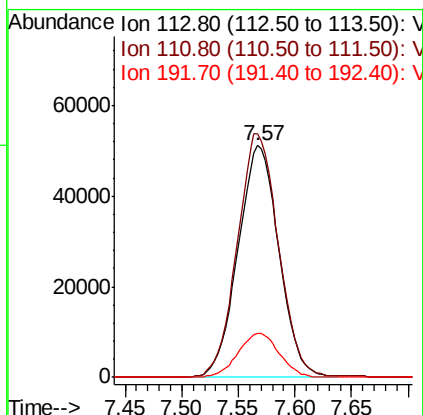
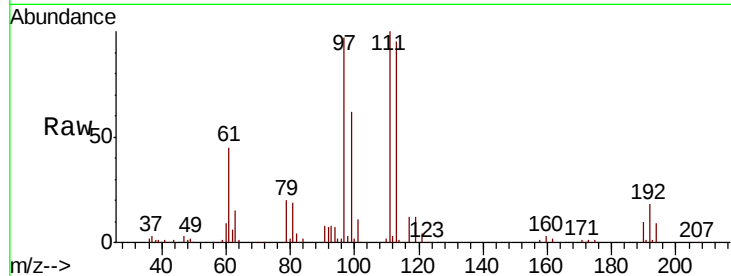




#35
 Dibromofluoromethane
 Concen: 47.270 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059594.D
 Acq: 13 Dec 2019 19:18

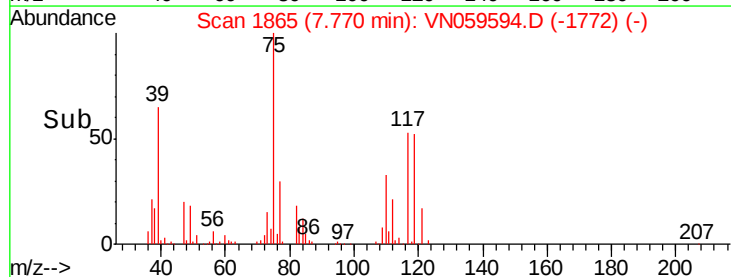
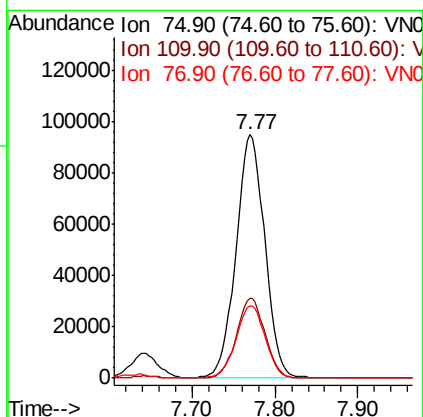
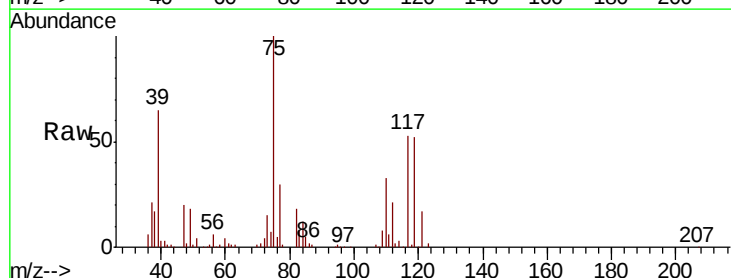
Instrument :
 MSVOA_N
 ClientSampled :

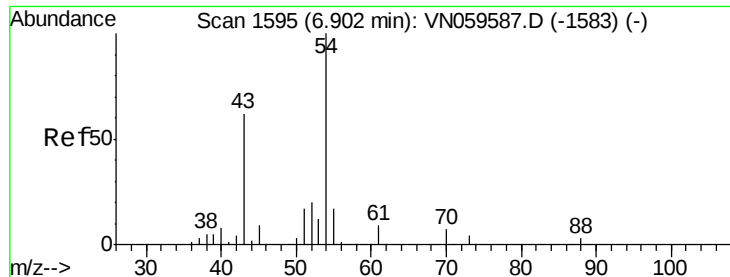
Tot Ion:113 Resp: 128794
 Ion Ratio Lower Upper
 113 100
 111 105.4 83.5 125.3
 192 19.1 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 50.602 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059594.D
 Acq: 13 Dec 2019 19:18

Tgt Ion: 75 Resp: 229798
 Ion Ratio Lower Upper
 75 100
 110 32.6 16.6 49.7
 77 30.3 25.1 37.7

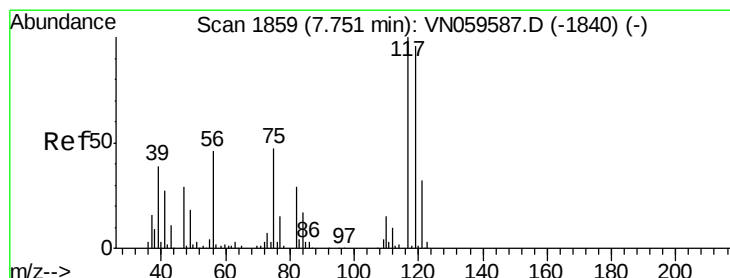
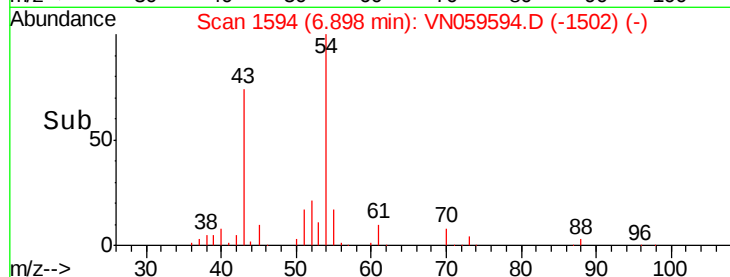
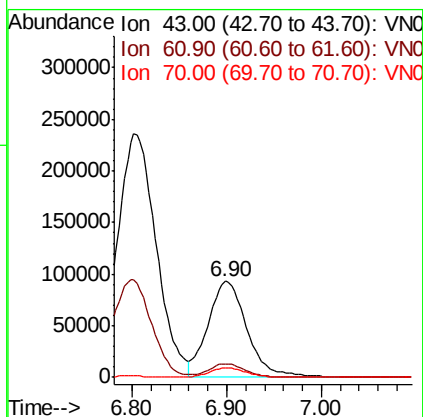
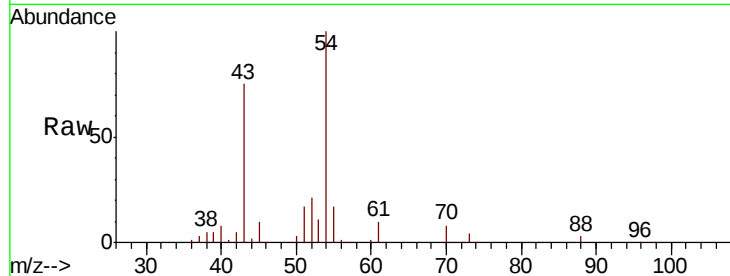




#37
Ethyl Acetate
Concen: 49.478 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

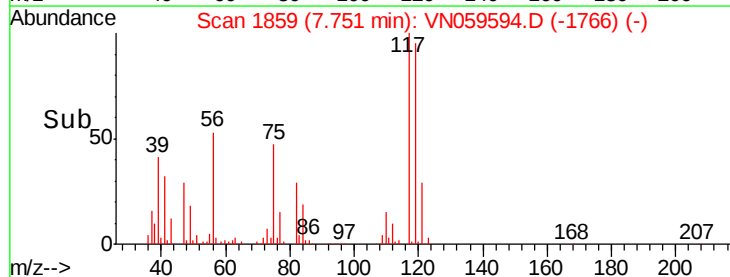
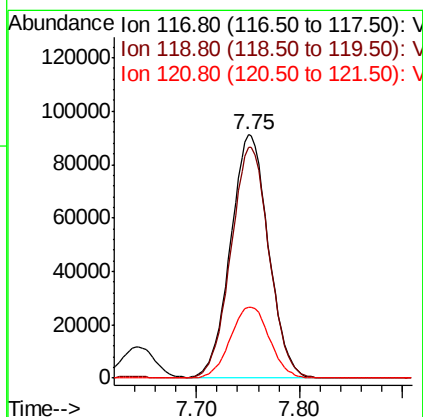
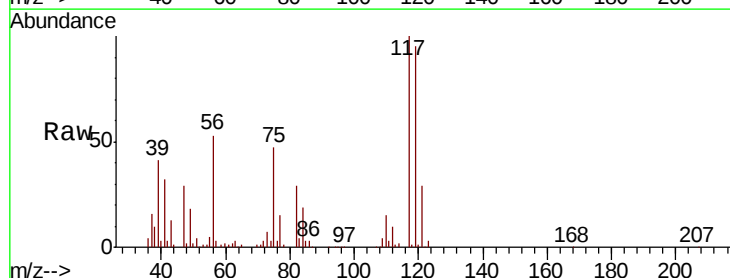
Instrument :
MSVOA_N
ClientSampleId :

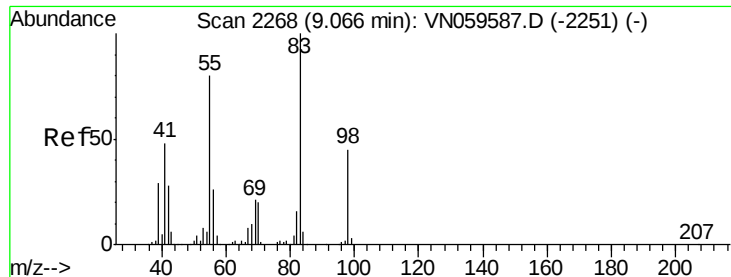
Tot Ion: 43 Resp: 261155
Ion Ratio Lower Upper
43 100
61 13.3 10.9 16.3
70 9.6 7.7 11.5



#38
Carbon Tetrachloride
Concen: 49.486 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

Tgt Ion: 117 Resp: 233195
Ion Ratio Lower Upper
117 100
119 94.6 76.5 114.7
121 29.3 25.1 37.7

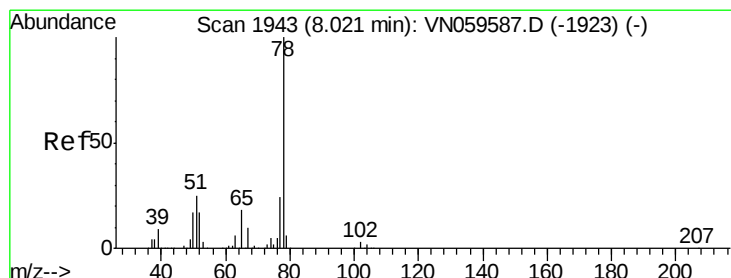
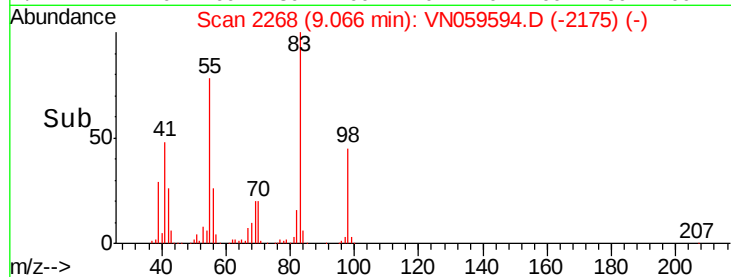
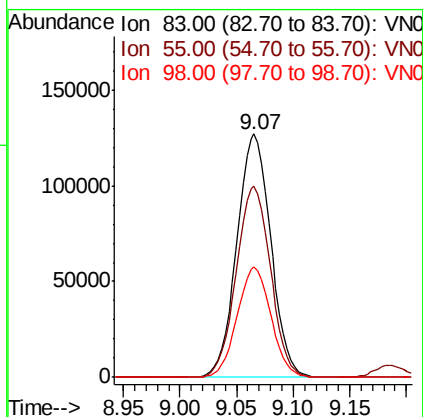
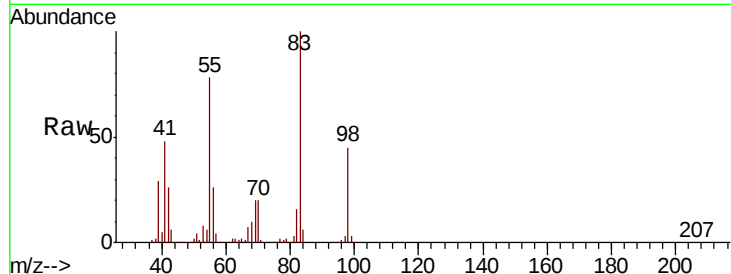




#39
Methvlcvclohexane
Concen: 51.491 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

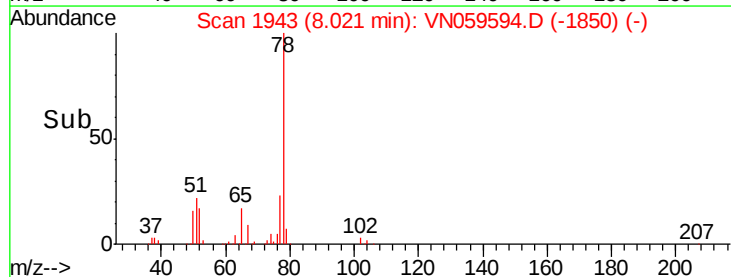
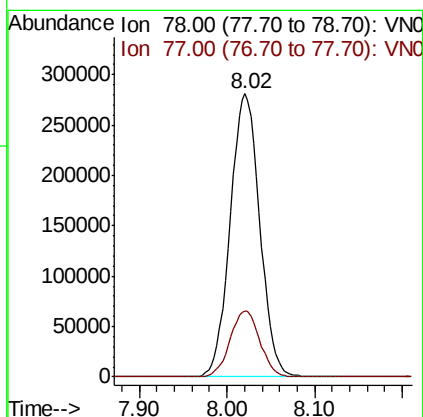
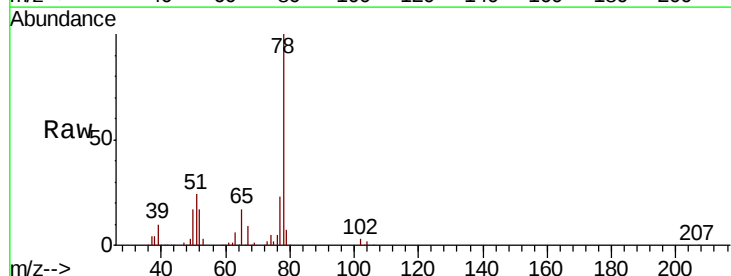
Instrument :
MSVOA_N
ClientSampleId :

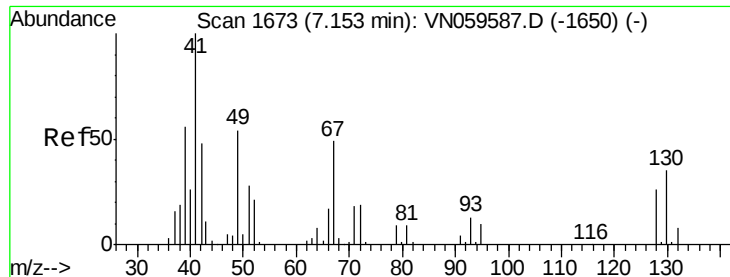
Tot Ion: 83 Resp: 265240
Ion Ratio Lower Upper
83 100
55 78.4 64.2 96.2
98 45.2 35.9 53.9



#40
Benzene
Concen: 49.578 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

Tgt Ion: 78 Resp: 657976
Ion Ratio Lower Upper
78 100
77 23.5 18.9 28.3

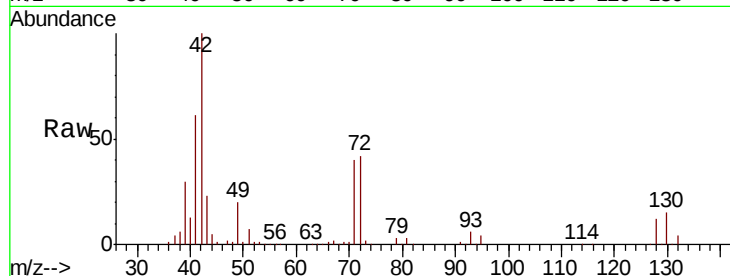




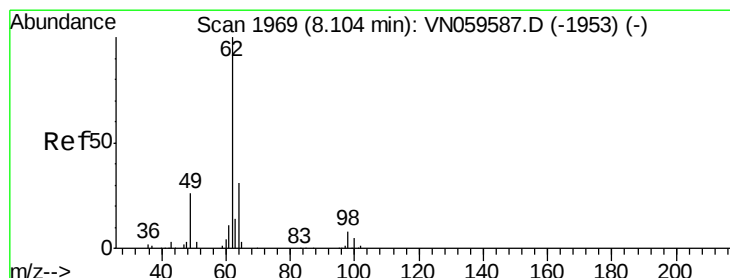
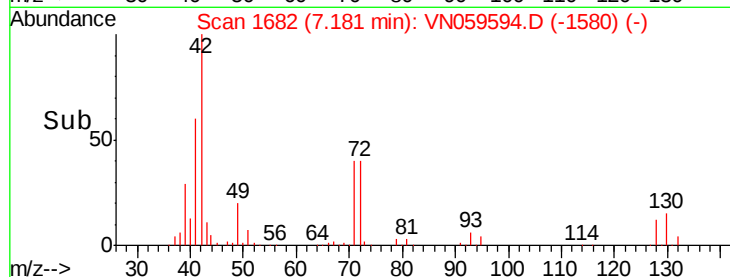
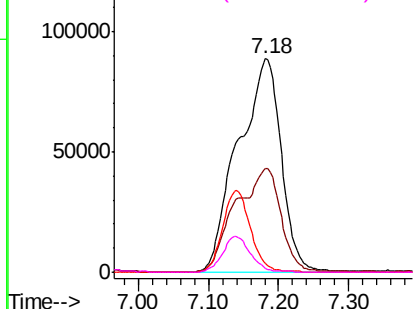
#41
Methacrylonitrile
Concen: 173.649 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 378262
Ion Ratio Lower Upper
41 100
39 51.1 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

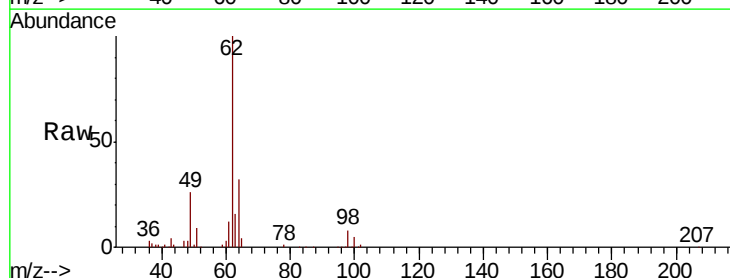


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

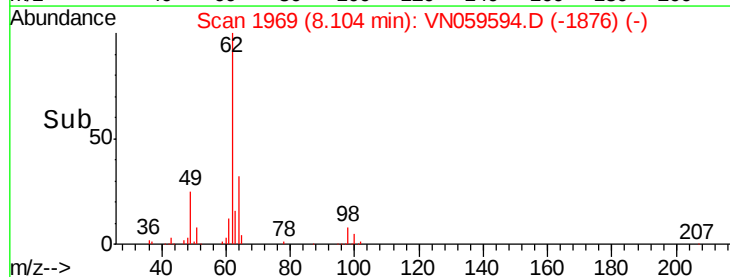
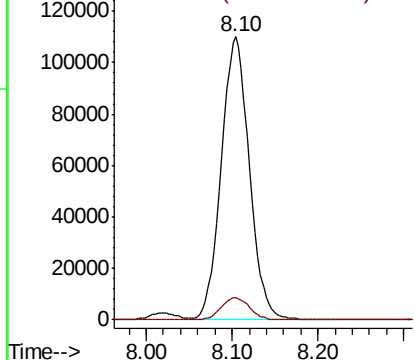


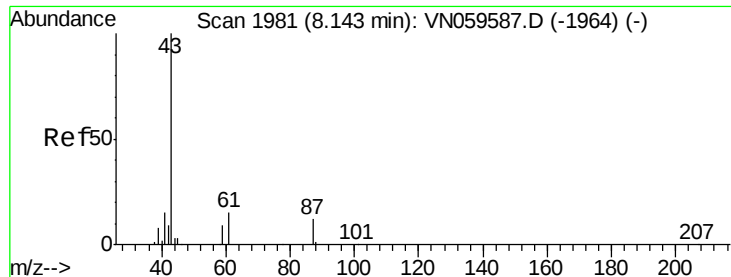
#42
1,2-Dichloroethane
Concen: 49.273 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

Tgt Ion: 62 Resp: 250430
Ion Ratio Lower Upper
62 100
98 7.9 0.0 15.8



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 50.898 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

Instrument :

MSVOA_N

ClientSampled :

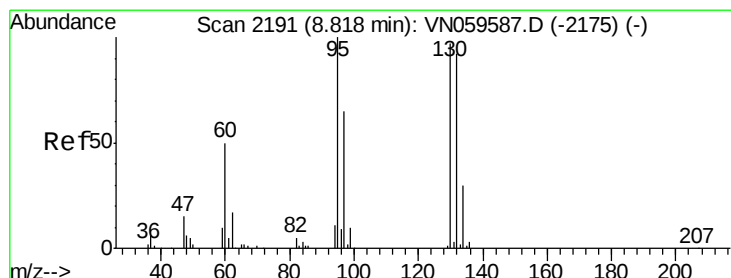
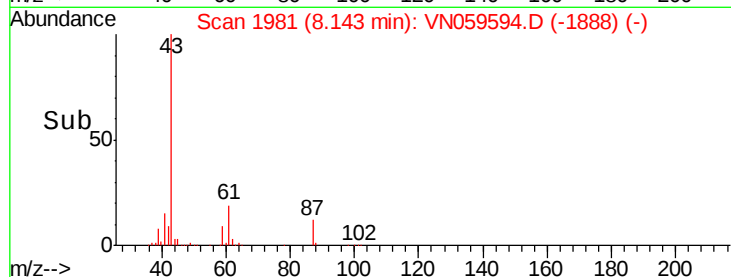
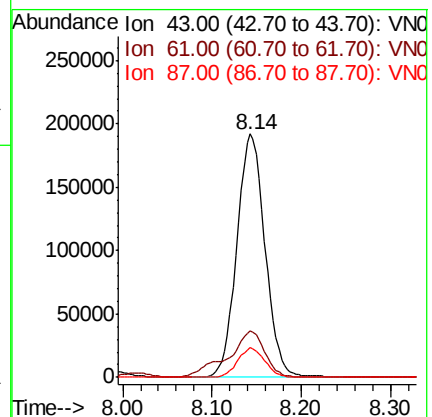
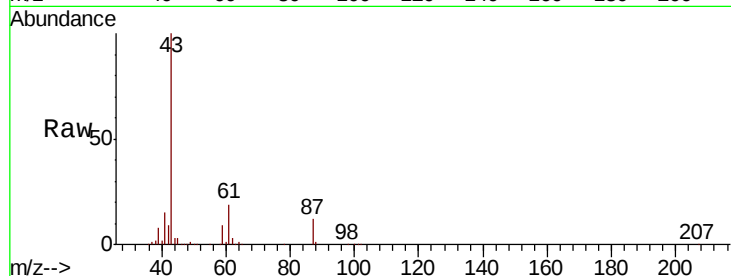
Tot Ion: 43 Resp: 417674

Ion Ratio Lower Upper

43 100

61 24.9 20.2 30.2

87 11.9 9.5 14.3



#44

Trichloroethene

Concen: 49.340 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059594.D

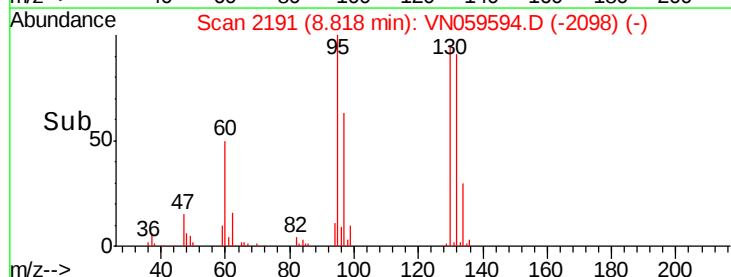
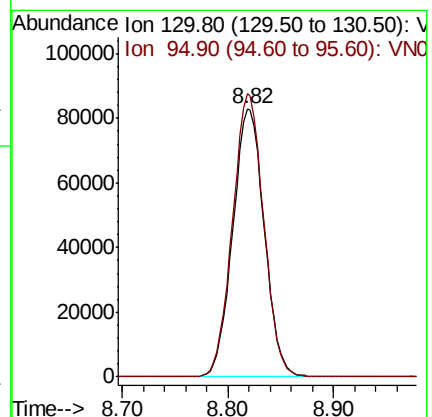
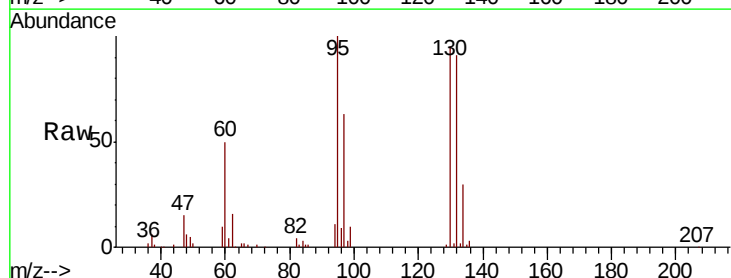
Acq: 13 Dec 2019 19:18

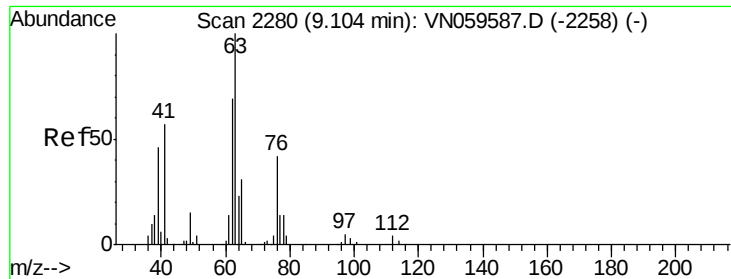
Tgt Ion: 130 Resp: 171517

Ion Ratio Lower Upper

130 100

95 105.5 0.0 207.0

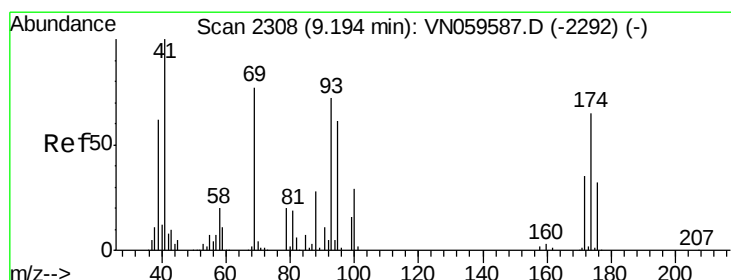
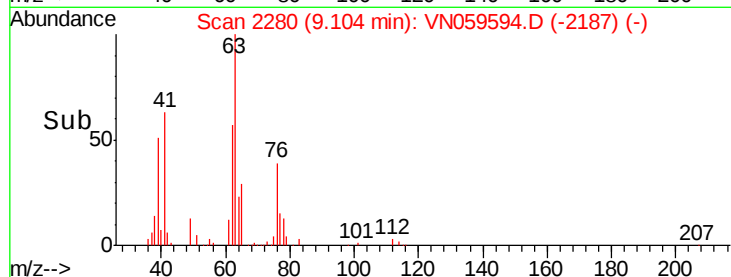
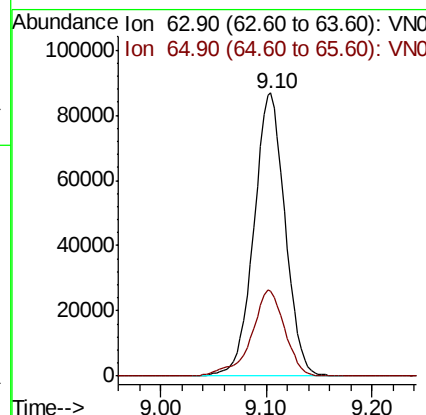
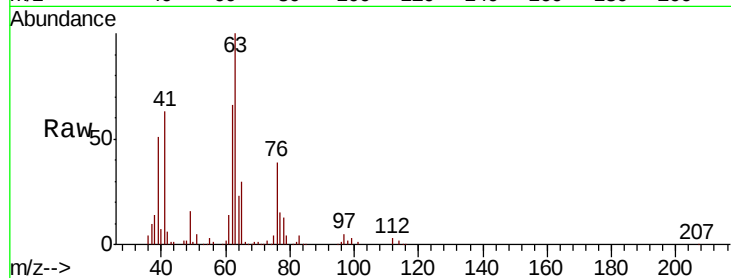




#45
 1,2-Dichloropropane
 Concen: 49.951 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN059594.D
 Acq: 13 Dec 2019 19:18

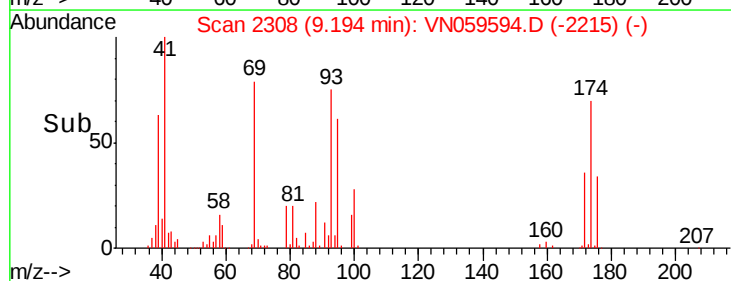
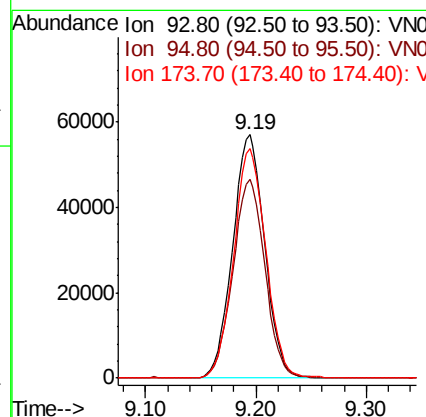
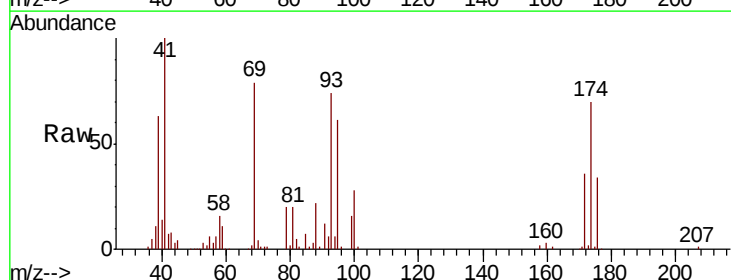
Instrument :
 MSVOA_N
 ClientSampleId :

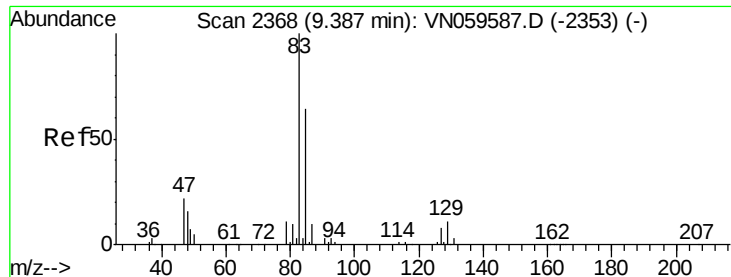
Tot Ion: 63 Resp: 179012
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.9 37.3



#46
 Dibromomethane
 Concen: 48.872 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN059594.D
 Acq: 13 Dec 2019 19:18

Tgt Ion: 93 Resp: 114747
 Ion Ratio Lower Upper
 93 100
 95 81.8 67.0 100.6
 174 94.6 73.4 110.2

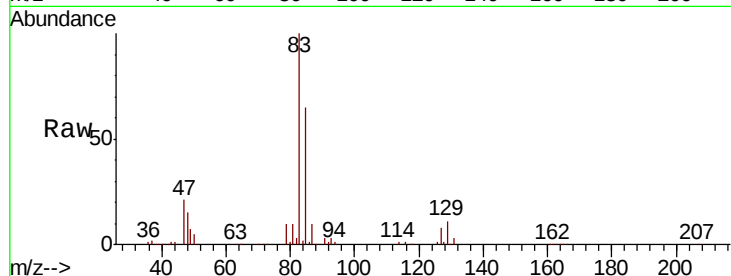




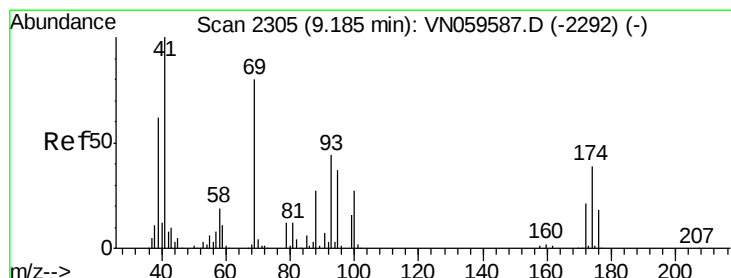
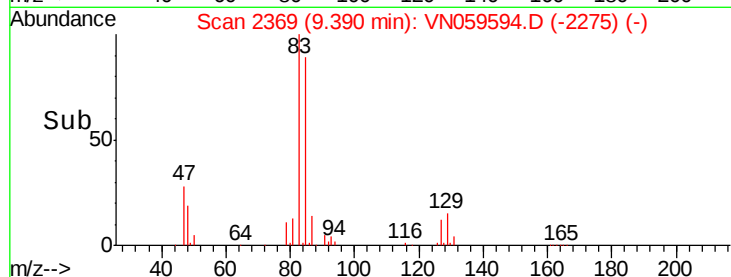
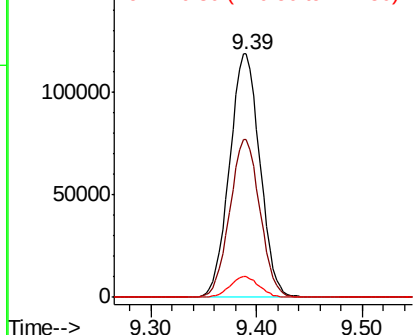
#47
Bromodichloromethane
Concen: 50.358 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 235731
Ion Ratio Lower Upper
83 100
85 64.7 51.1 76.7
127 8.3 6.6 9.8

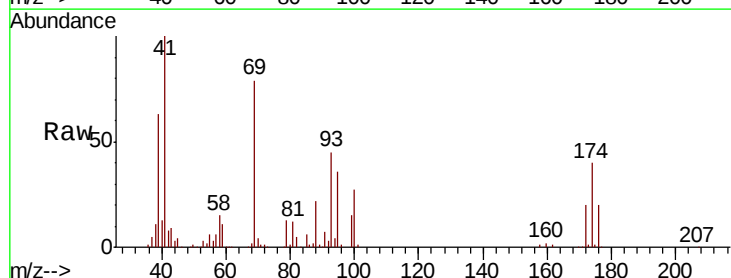


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

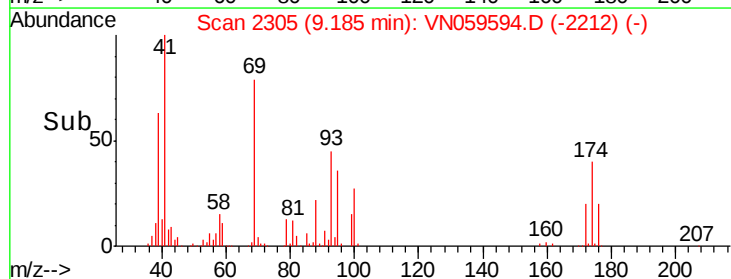
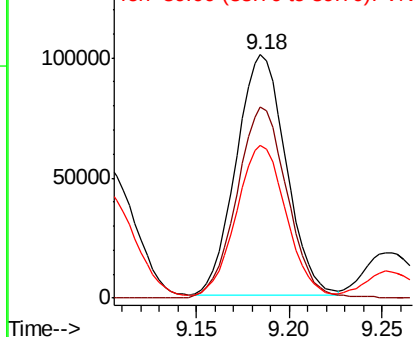


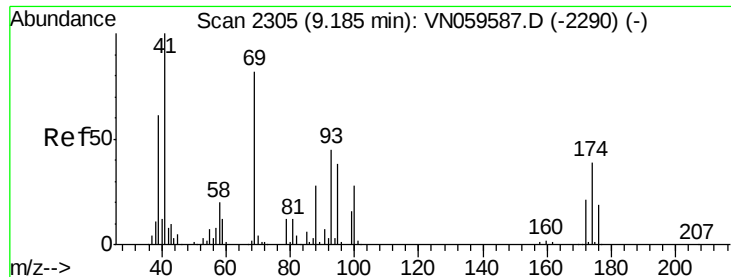
#48
Methyl methacrylate
Concen: 50.223 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

Tgt Ion: 41 Resp: 186988
Ion Ratio Lower Upper
41 100
69 80.3 64.4 96.6
39 64.1 51.3 76.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

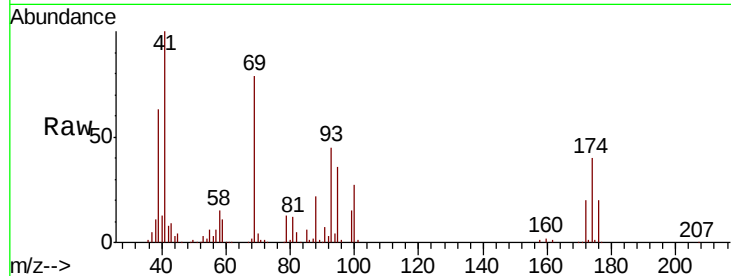




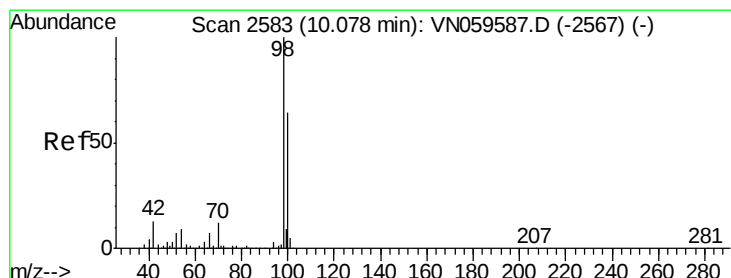
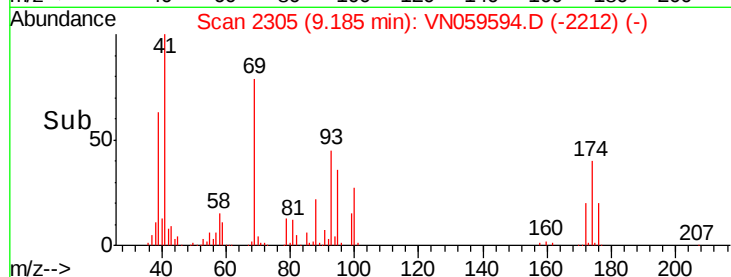
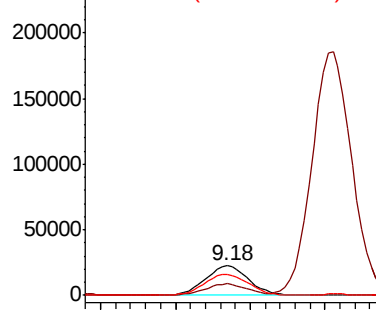
#49
1,4-Dioxane
Concen: 853.065 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 45515
Ion Ratio Lower Upper
88 100
43 39.2 29.7 44.5
58 72.8 56.6 85.0

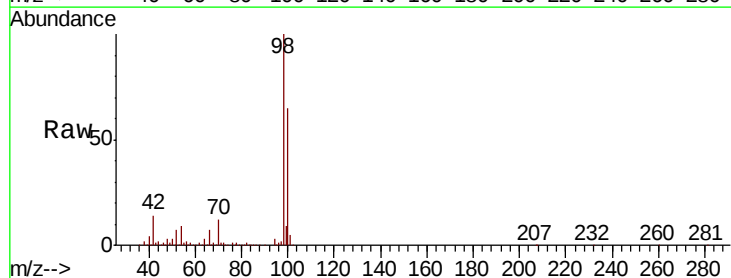


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

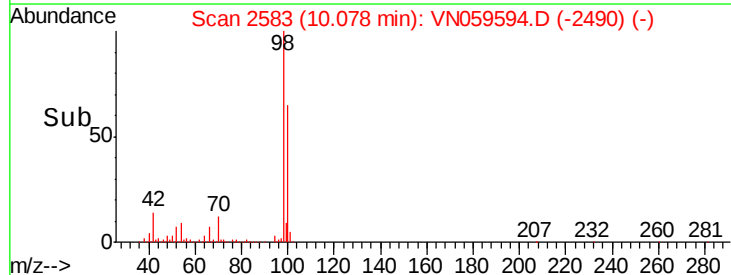
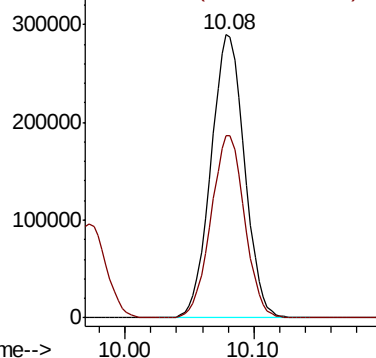


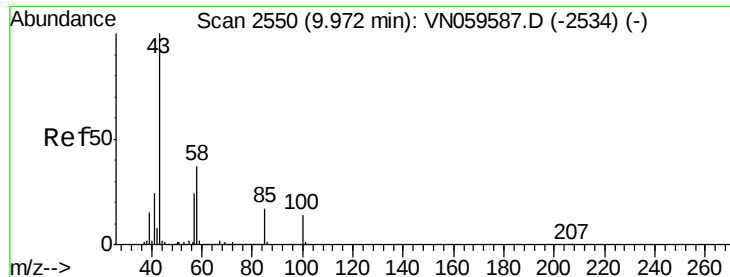
#50
Toluene-d8
Concen: 48.598 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

Tgt Ion: 98 Resp: 524242
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 263.213 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

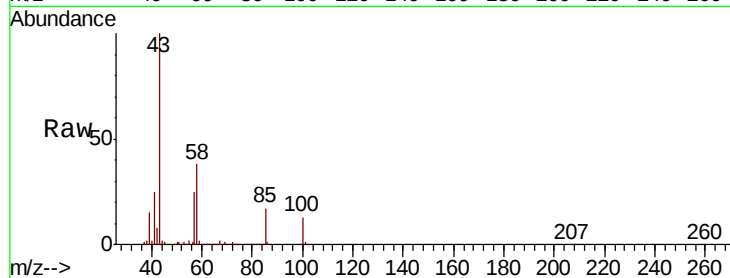
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1287828

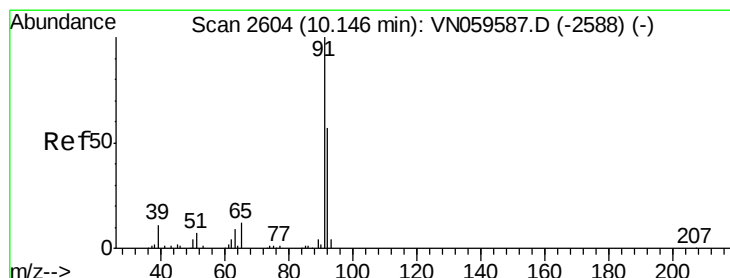
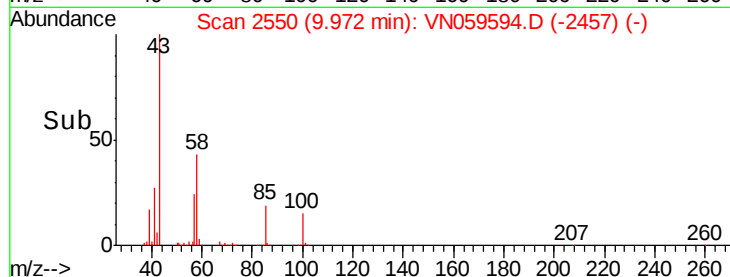
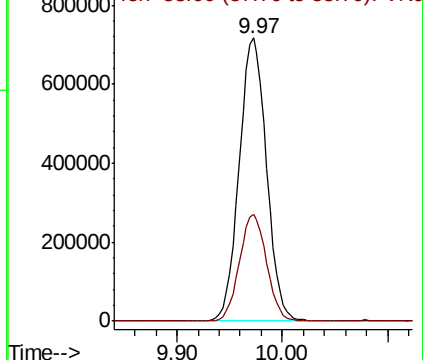
Ion Ratio Lower Upper

43 100

58 37.4 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D
Ion 58.00 (57.70 to 58.70): VN059587.D



#52

Toluene

Concen: 49.755 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059594.D

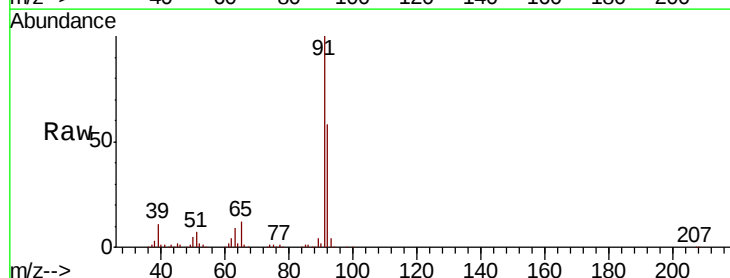
Acq: 13 Dec 2019 19:18

Tgt Ion: 92 Resp: 405722

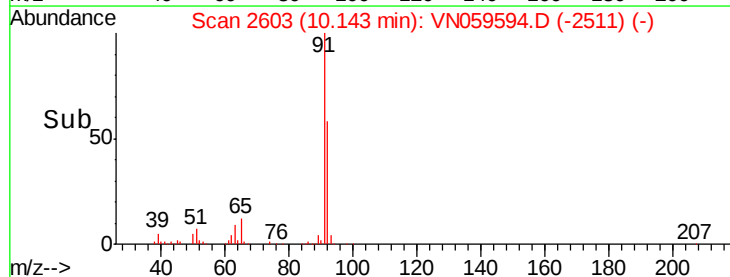
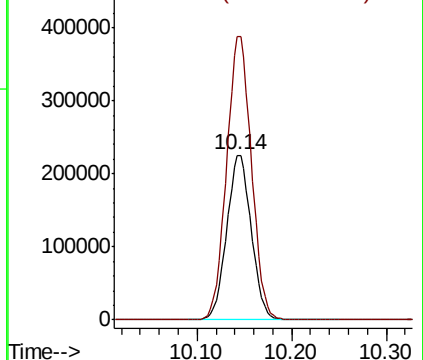
Ion Ratio Lower Upper

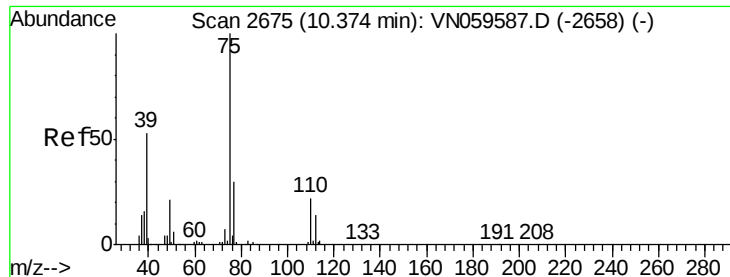
92 100

91 174.0 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN059587.D
Ion 91.00 (90.70 to 91.70): VN059587.D





#53

t-1,3-Dichloropropene

Concen: 50.210 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

Instrument :

MSVOA_N

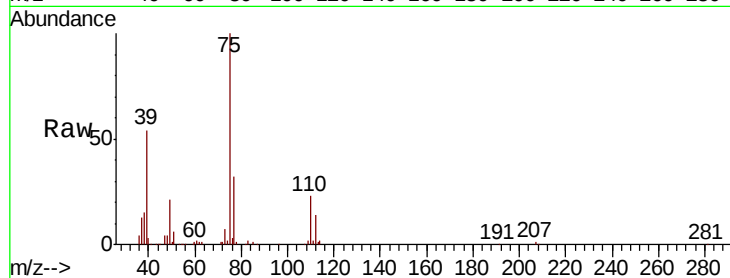
ClientSampleId :

Tot Ion: 75 Resp: 271831

Ion Ratio Lower Upper

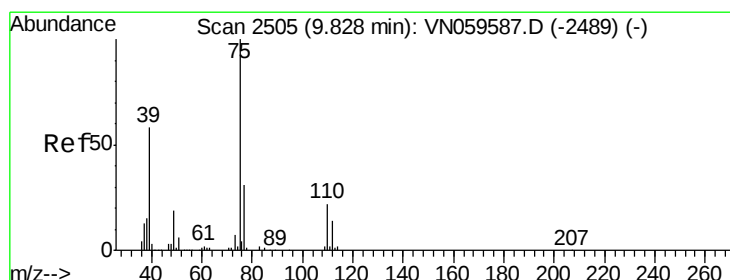
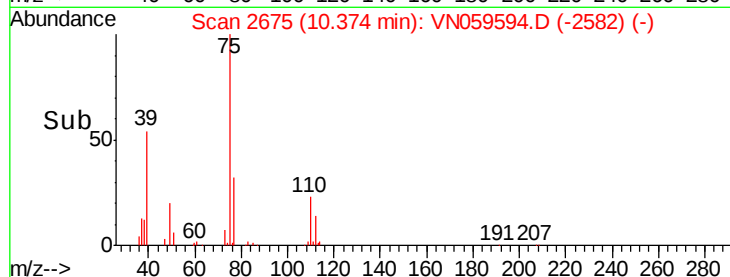
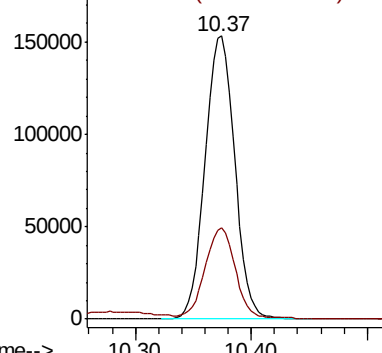
75 100

77 31.9 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 50.028 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

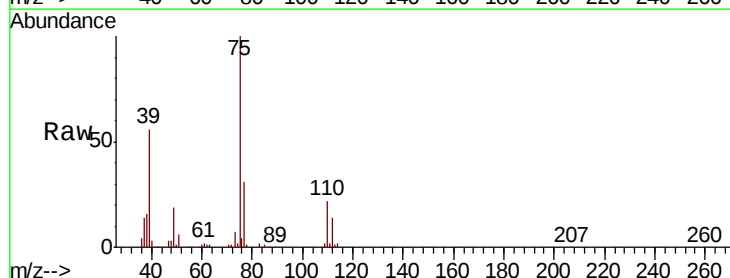
Tgt Ion: 75 Resp: 284702

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

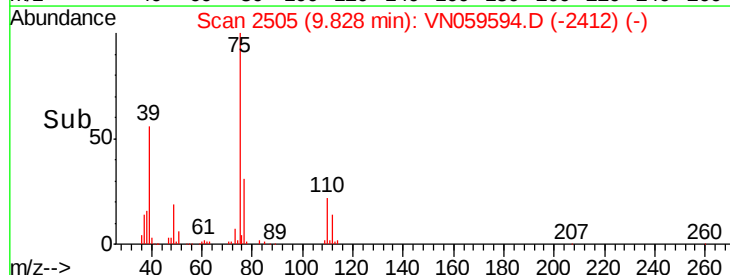
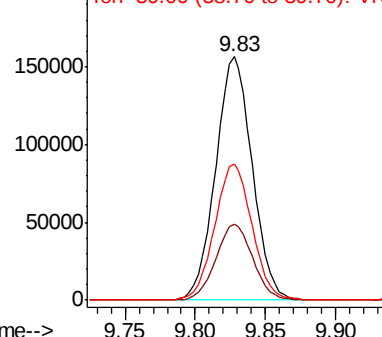
39 55.7 46.1 69.1

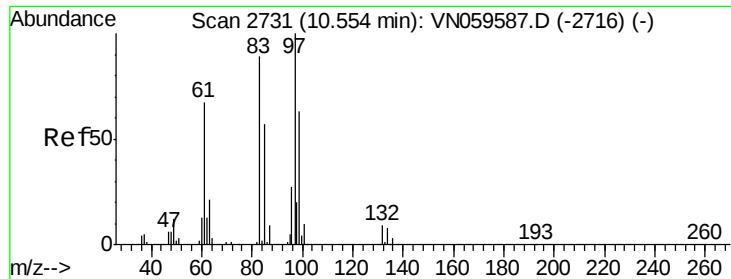


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

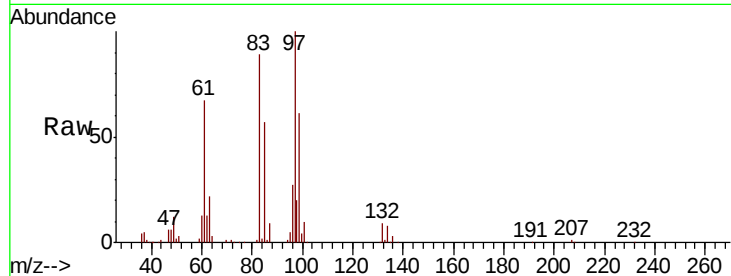




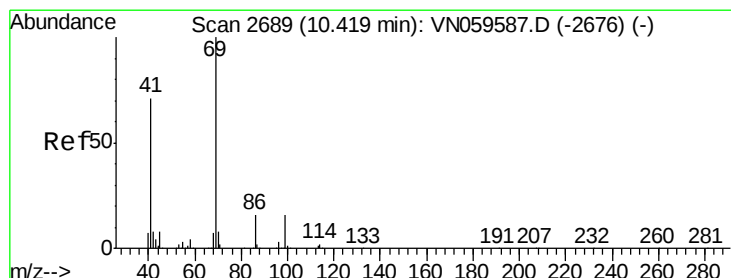
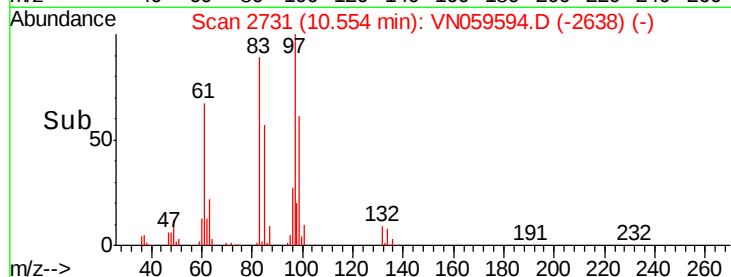
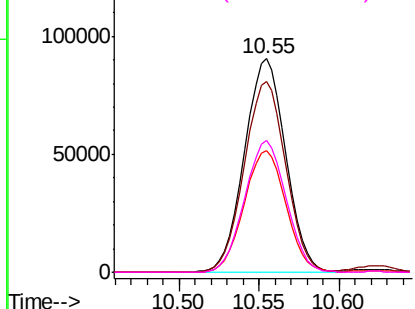
#55
 1,1,2-Trichloroethane
 Concen: 49.909 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059594.D
 Acq: 13 Dec 2019 19:18

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 97 Resp: 159701
 Ion Ratio Lower Upper
 97 100
 83 89.5 71.3 106.9
 85 56.7 45.8 68.8
 99 61.5 50.0 75.0

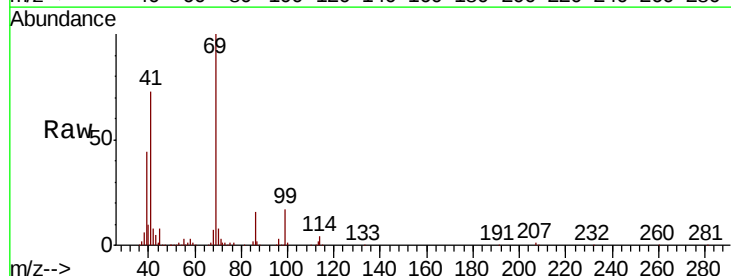


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

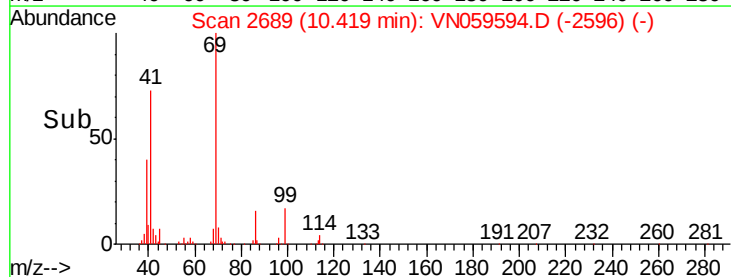
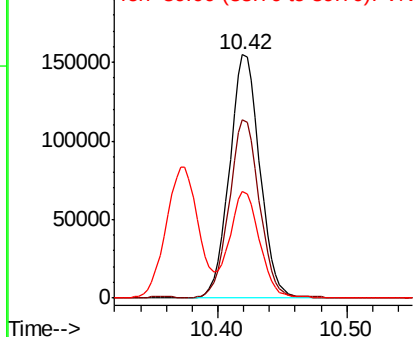


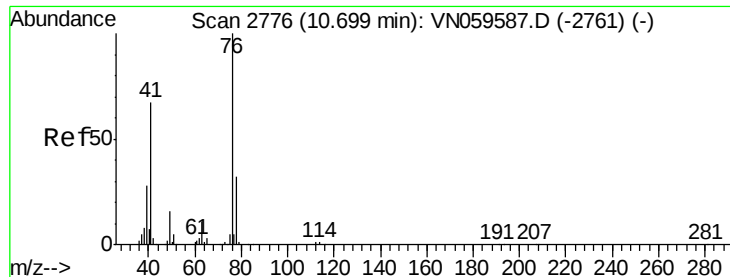
#56
 Ethyl methacrylate
 Concen: 53.307 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN059594.D
 Acq: 13 Dec 2019 19:18

Tgt Ion: 69 Resp: 253222
 Ion Ratio Lower Upper
 69 100
 41 72.3 57.1 85.7
 39 43.4 34.7 52.1



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 50.146 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

Instrument :

MSVOA_N

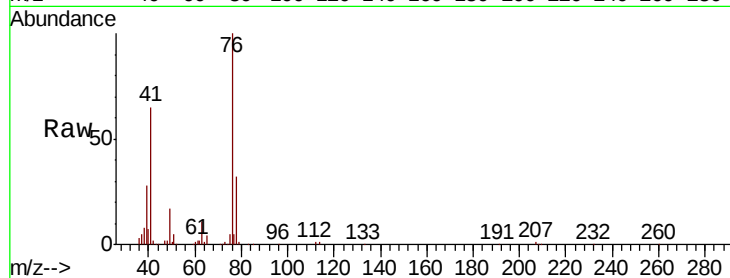
ClientSampleId :

Tot Ion: 76 Resp: 279381

Ion Ratio Lower Upper

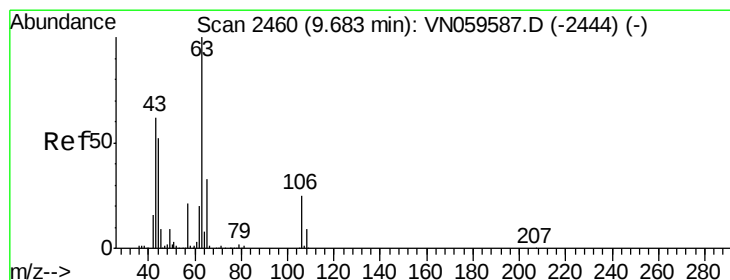
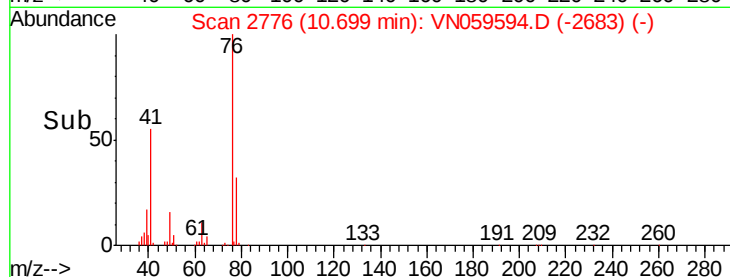
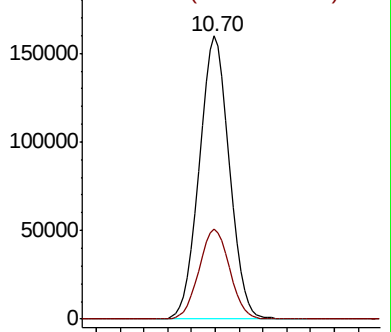
76 100

78 32.5 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 198.506 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059594.D

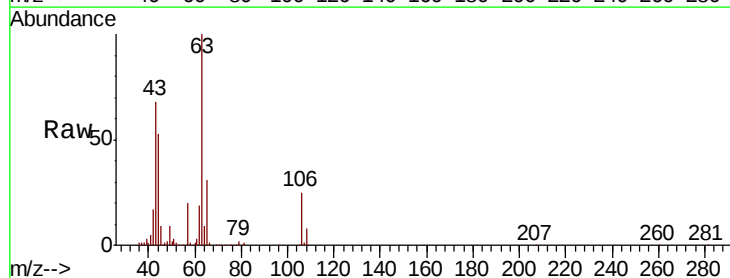
Acq: 13 Dec 2019 19:18

Tgt Ion: 63 Resp: 299898

Ion Ratio Lower Upper

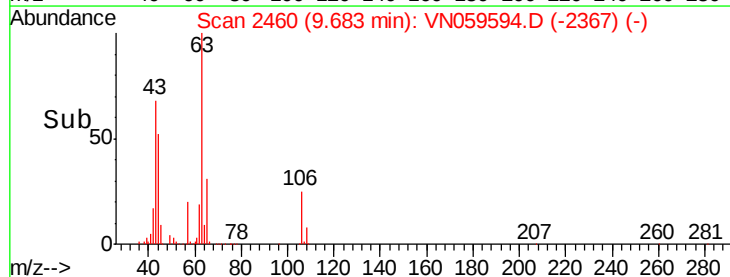
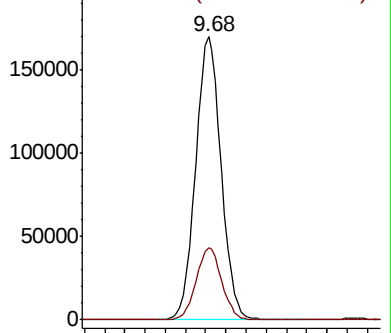
63 100

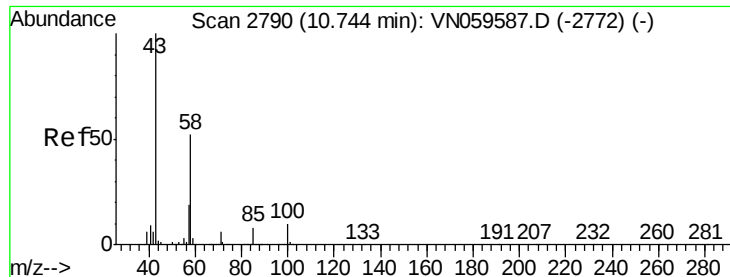
106 25.5 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

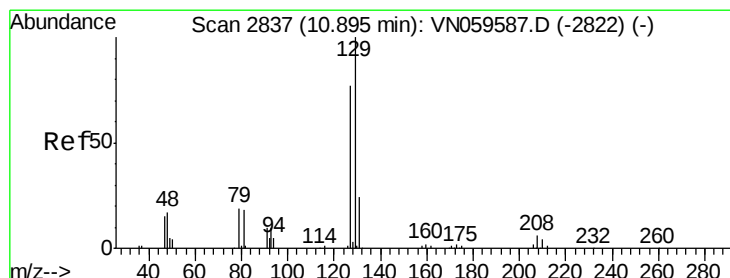
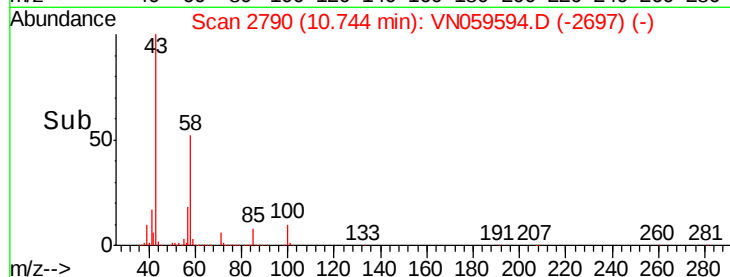
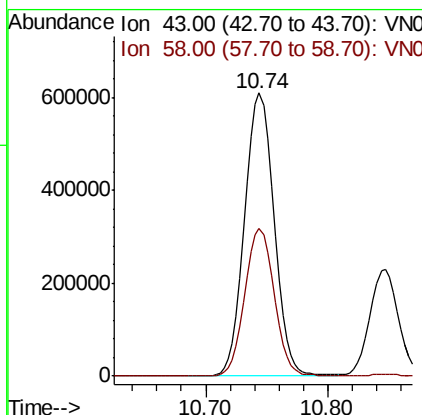
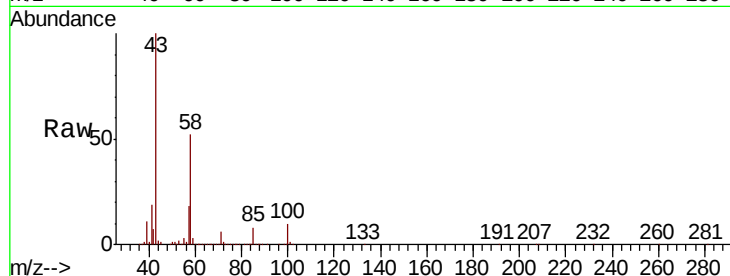




#59
2-Hexanone
Concen: 264.261 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

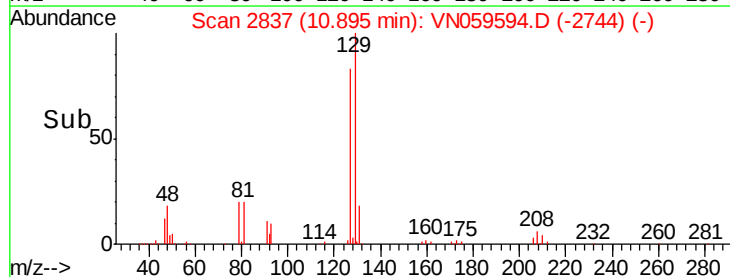
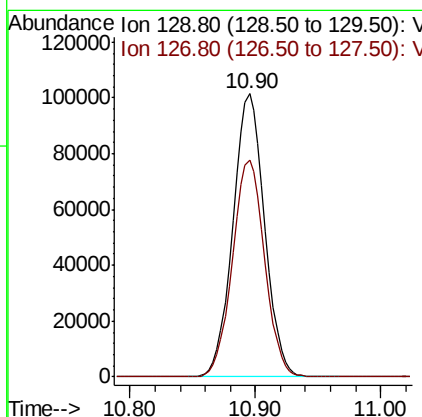
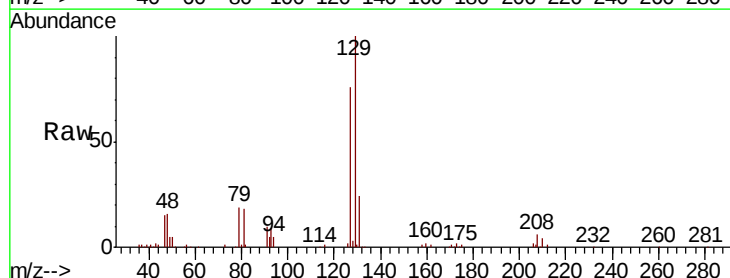
Instrument :
MSVOA_N
ClientSampleId :

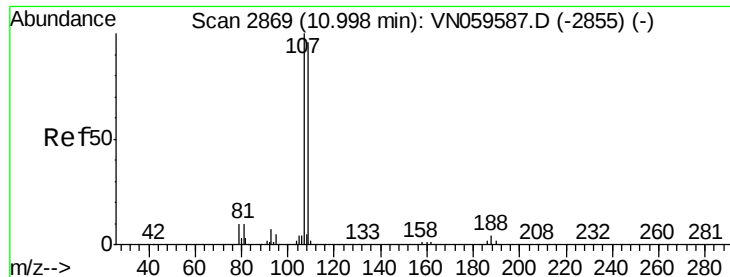
Tot Ion: 43 Resp: 1019020
Ion Ratio Lower Upper
43 100
58 51.9 25.8 77.3



#60
Dibromochloromethane
Concen: 50.795 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

Tgt Ion: 129 Resp: 177395
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.5

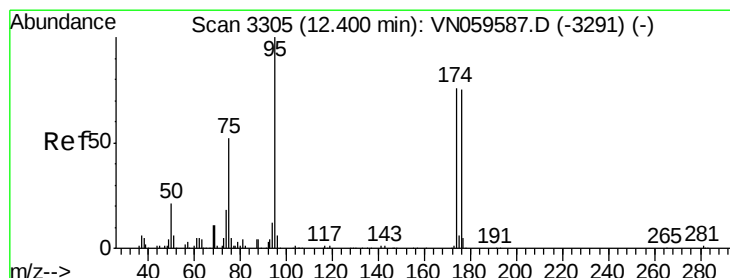
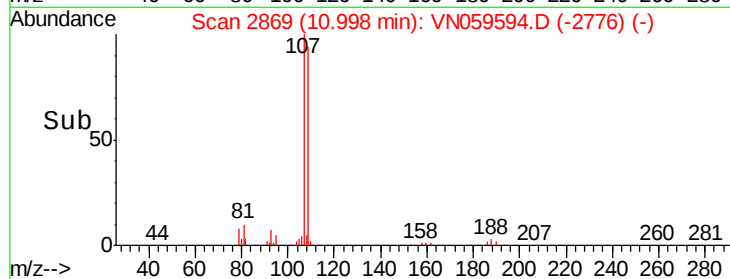
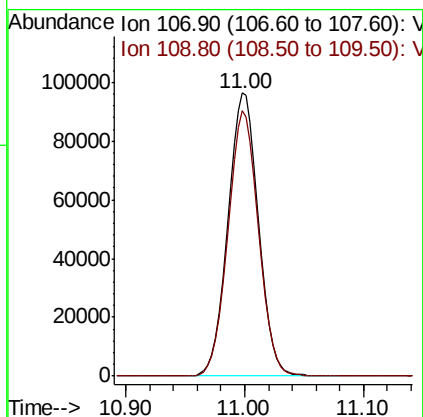
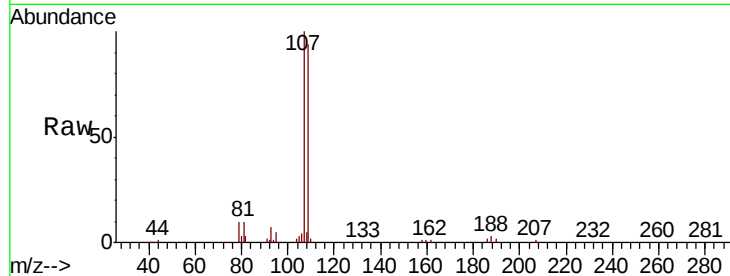




#61
1,2-Dibromoethane
Concen: 50.351 ug/l
RT: 11.00 min Scan# 2869
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

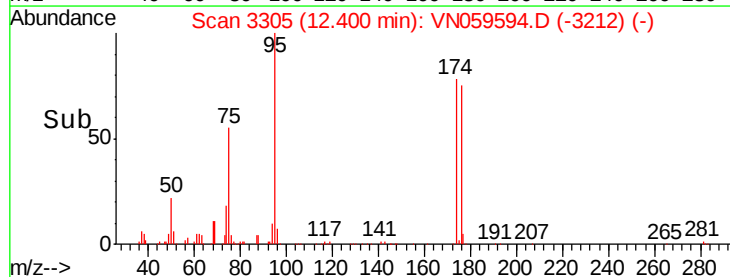
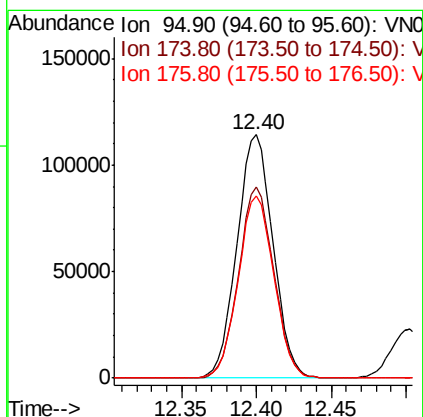
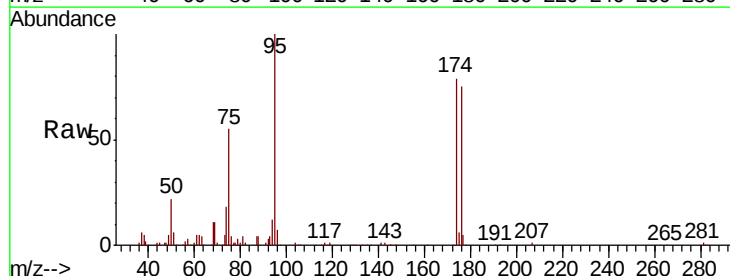
Instrument :
MSVOA_N
ClientSampled :

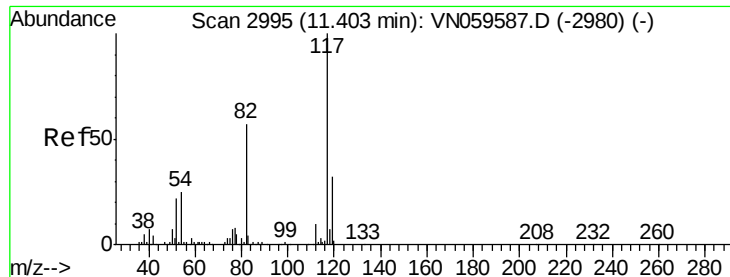
Tot Ion: 107 Resp: 170868
Ion Ratio Lower Upper
107 100
109 93.8 76.6 115.0



#62
4-Bromofluorobenzene
Concen: 48.608 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

Tgt Ion: 95 Resp: 191333
Ion Ratio Lower Upper
95 100
174 77.2 0.0 151.4
176 74.4 0.0 146.0

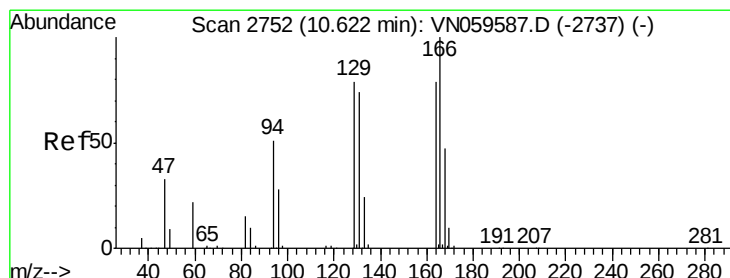
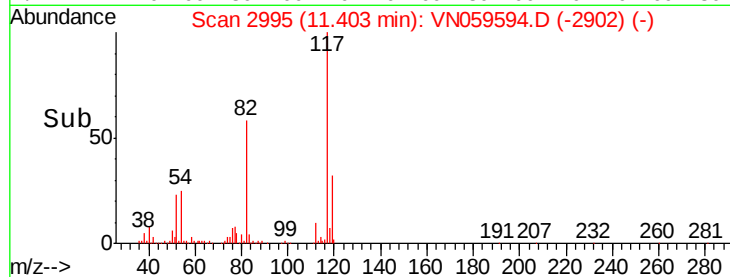
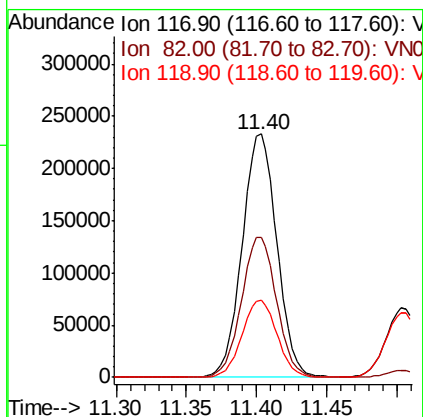
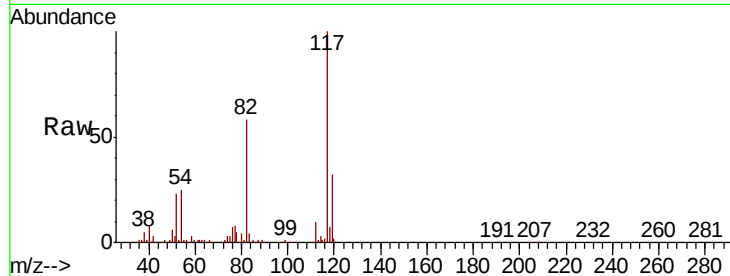




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

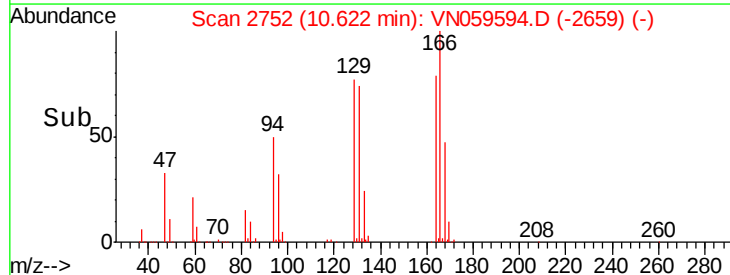
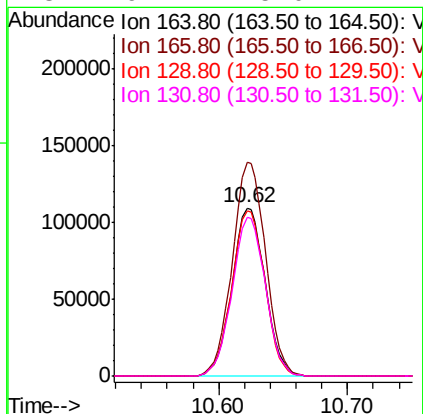
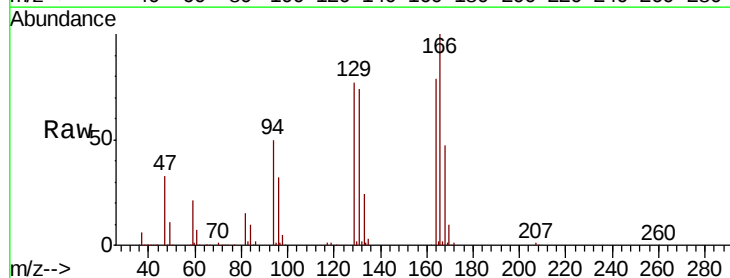
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.9	68.9
119	31.6	25.5	38.3



#64
Tetrachloroethene
Concen: 51.916 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	101.4	152.0
129	98.4	80.2	120.4
131	94.1	75.0	112.4

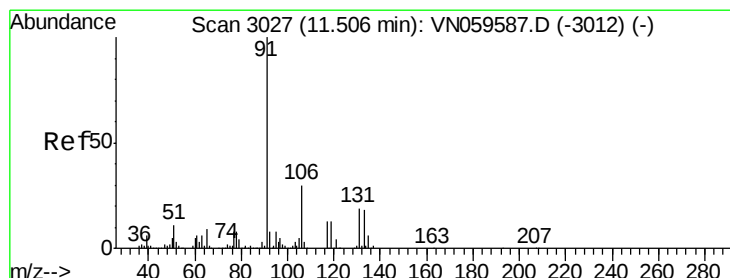
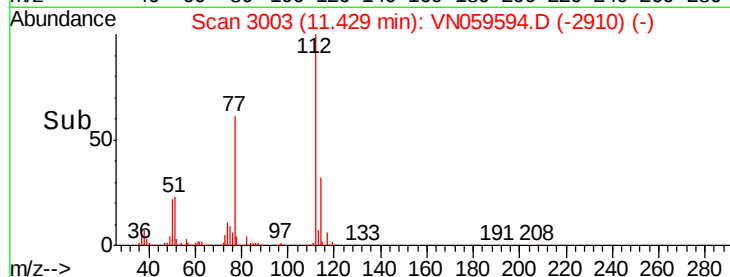
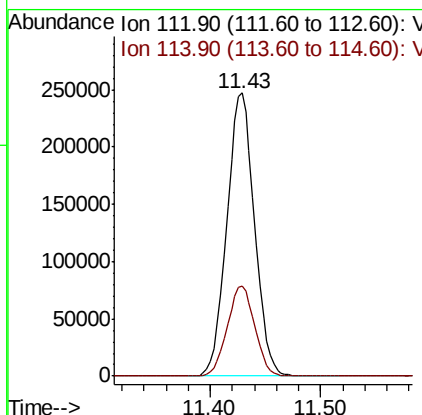
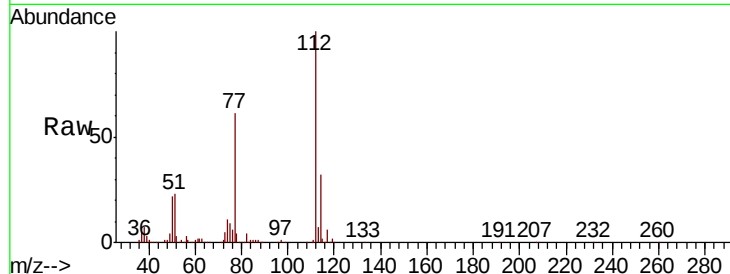




#65
Chlorobenzene
Concen: 49.218 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

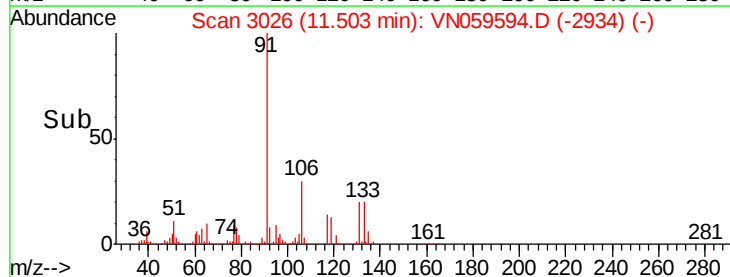
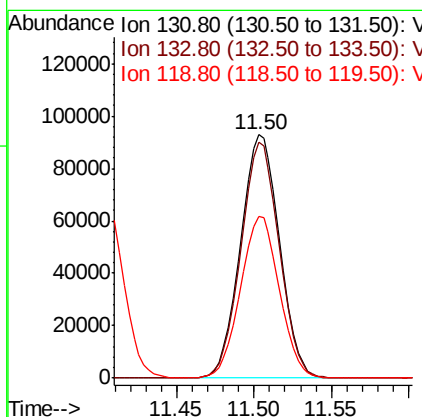
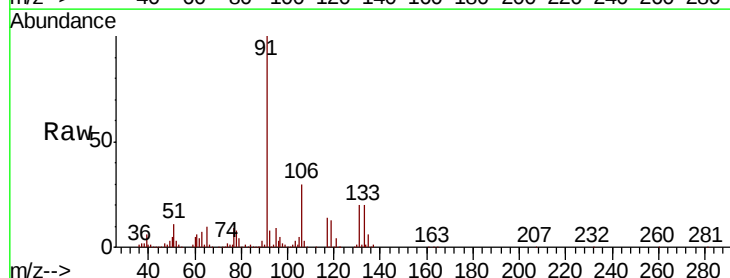
Instrument :
MSVOA_N
ClientSampled :

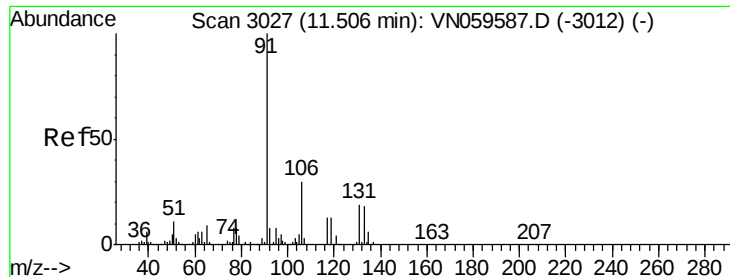
Tot Ion:112 Resp: 428523
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.148 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

Tgt Ion:131 Resp: 162535
Ion Ratio Lower Upper
131 100
133 95.8 47.4 142.2
119 66.4 33.1 99.3





#67

Ethyl Benzene

Concen: 50.492 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

Instrument :

MSVOA_N

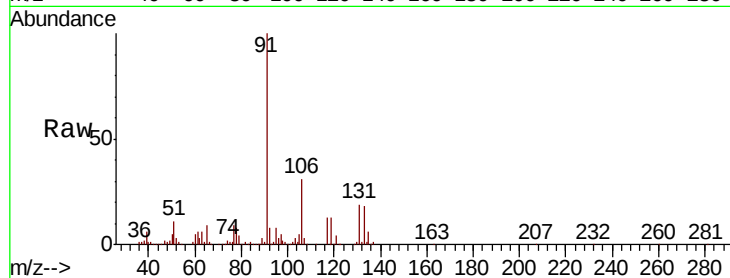
ClientSampled :

Tot Ion: 91 Resp: 793524

Ion Ratio Lower Upper

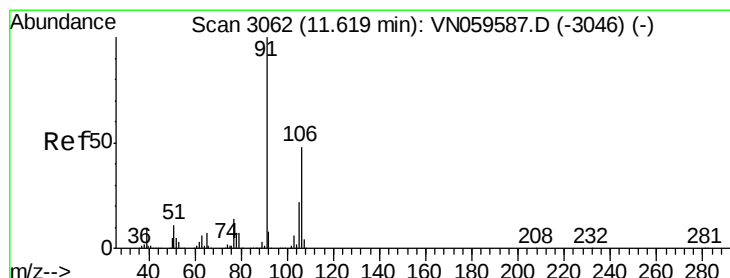
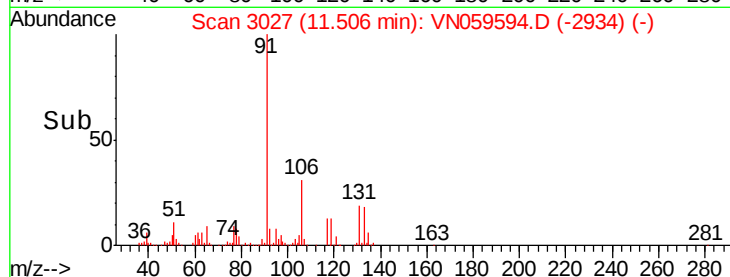
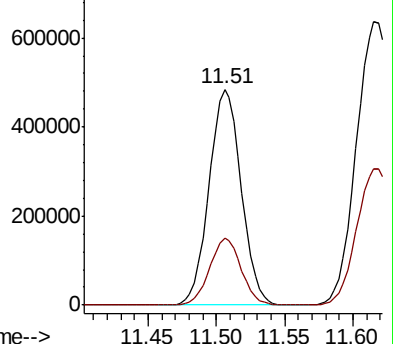
91 100

106 30.8 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN059587.D (-3012) (-)



#68

m/p-Xylenes

Concen: 101.694 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059594.D

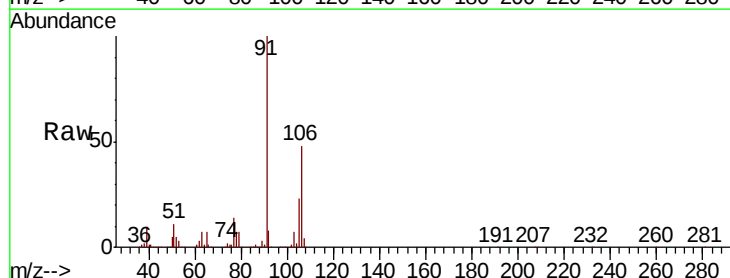
Acq: 13 Dec 2019 19:18

Tgt Ion: 106 Resp: 590162

Ion Ratio Lower Upper

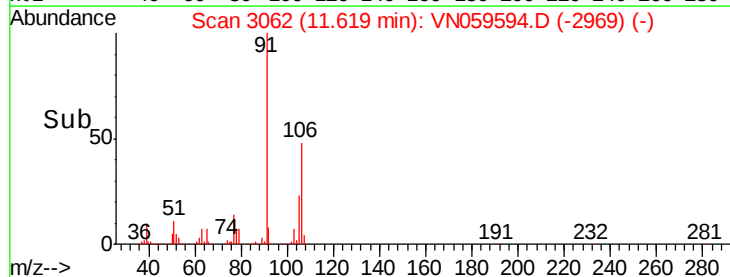
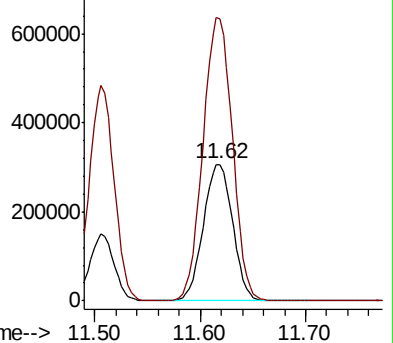
106 100

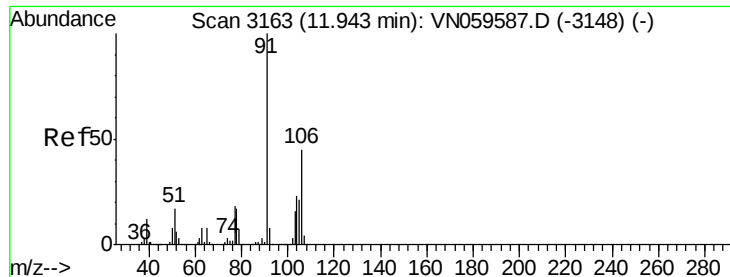
91 208.1 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059587.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN059587.D (-3046) (-)

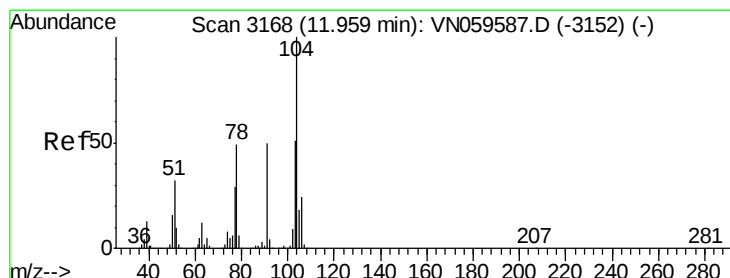
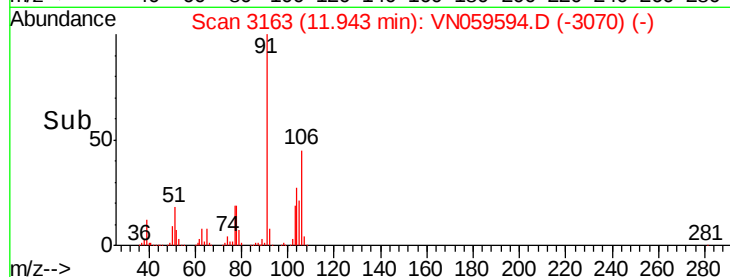
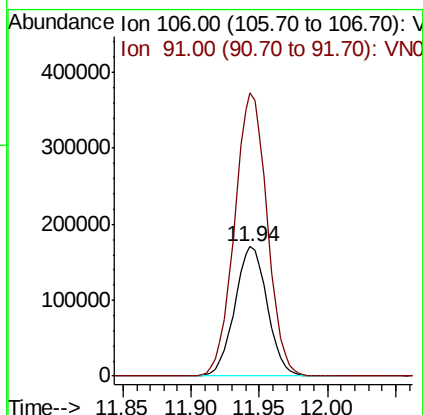
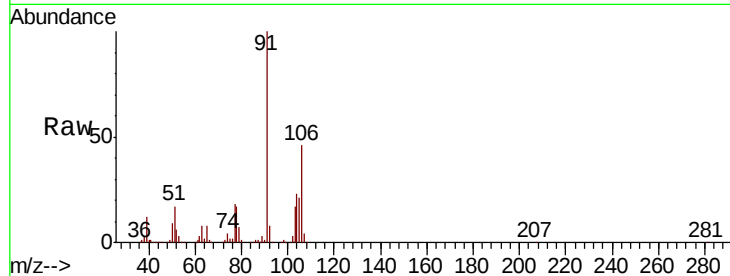




#69
o-Xylene
Concen: 51.077 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

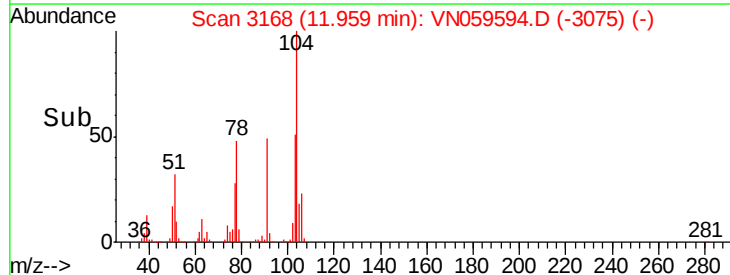
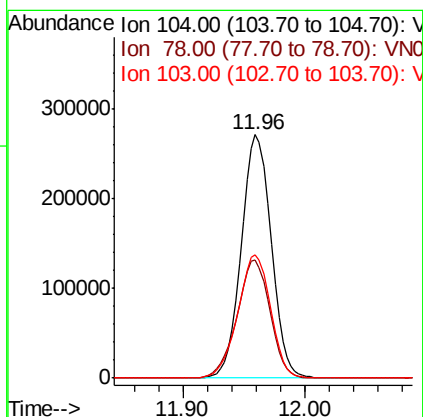
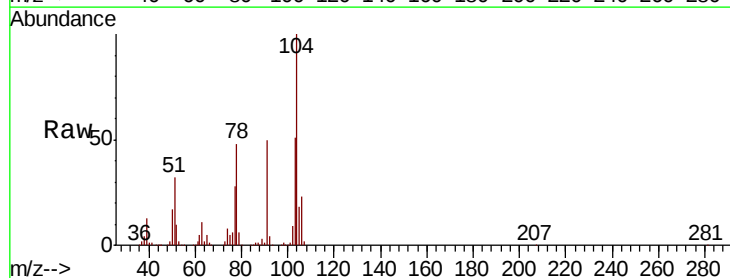
Instrument :
MSVOA_N
ClientSampleId :

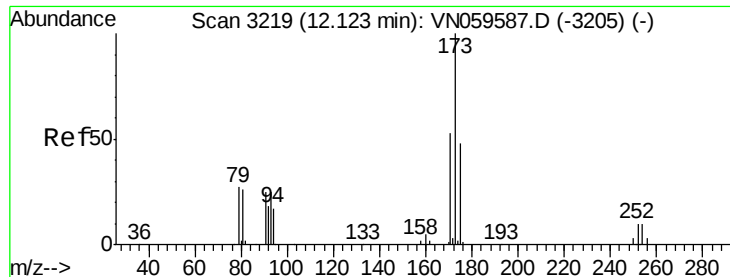
Tot Ion:106 Resp: 282044
Ion Ratio Lower Upper
106 100
91 219.3 110.3 330.9



#70
Styrene
Concen: 51.649 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

Tgt Ion:104 Resp: 458232
Ion Ratio Lower Upper
104 100
78 53.6 42.4 63.6
103 55.6 43.9 65.9

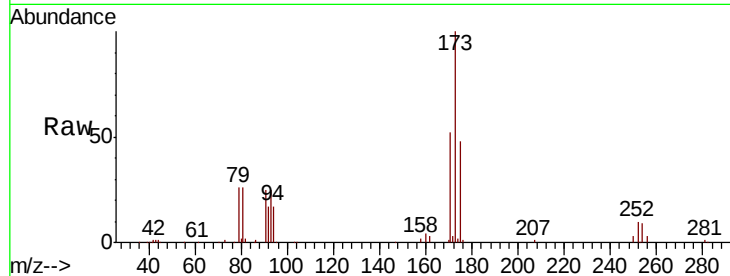




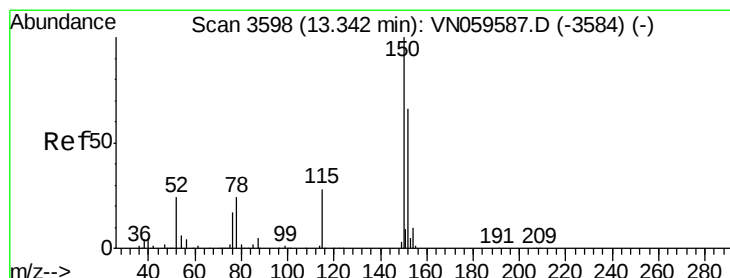
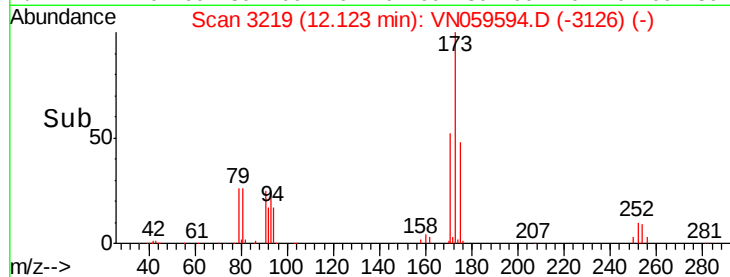
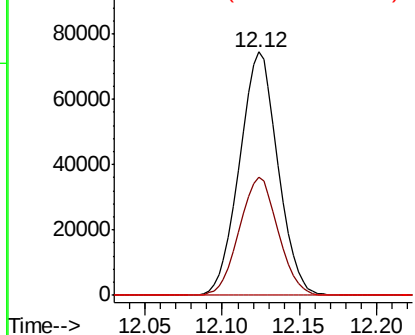
#71
Bromoform
Concen: 51.776 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 128711
Ion Ratio Lower Upper
173 100
175 48.9 23.8 71.4
254 0.0 0.0 0.0

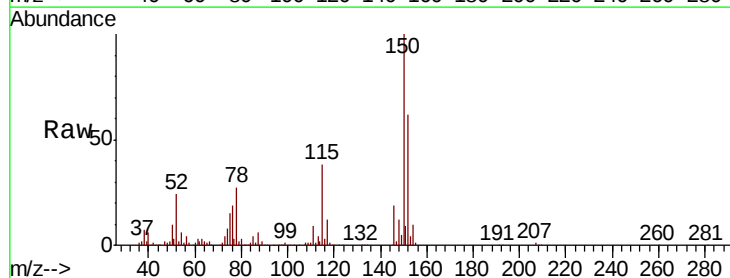


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

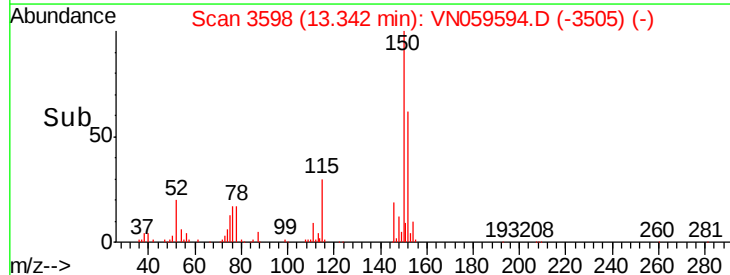
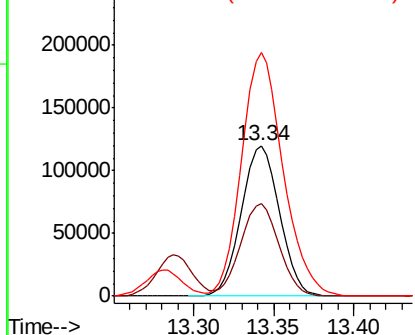


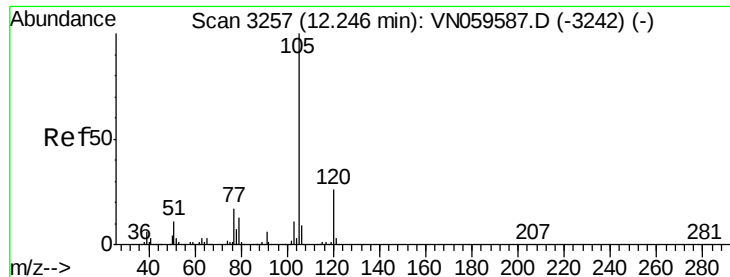
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

Tgt Ion:152 Resp: 195455
Ion Ratio Lower Upper
152 100
115 61.5 30.3 90.9
150 175.5 0.0 345.2



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





#73

Isopropylbenzene

Concen: 49.546 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

Instrument :

MSVOA_N

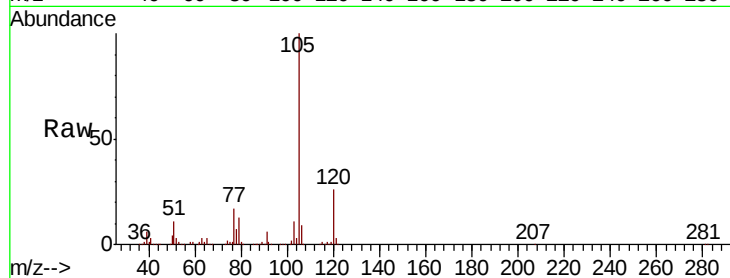
ClientSampleId :

Tot Ion: 105 Resp: 760198

Ion Ratio Lower Upper

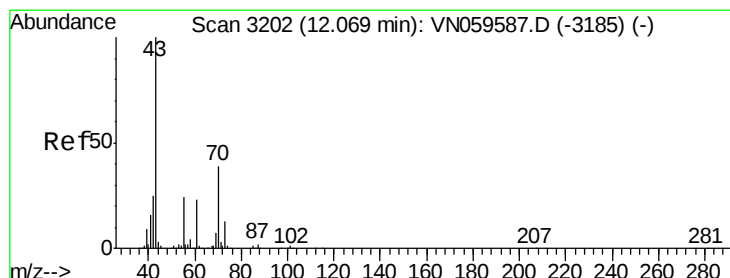
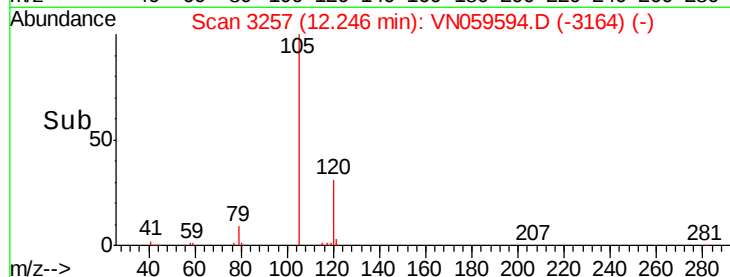
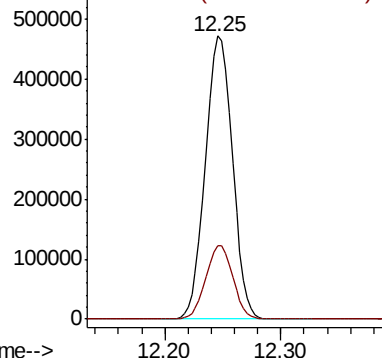
105 100

120 26.0 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.010 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

Tgt Ion: 43 Resp: 359007

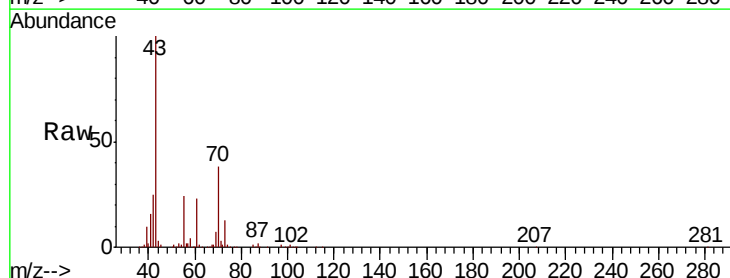
Ion Ratio Lower Upper

43 100

70 38.9 31.3 46.9

55 24.8 19.8 29.6

61 22.5 18.3 27.5

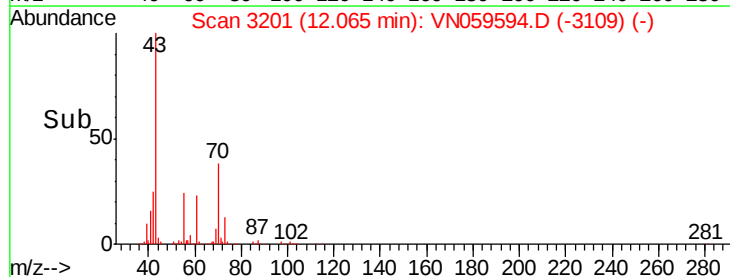
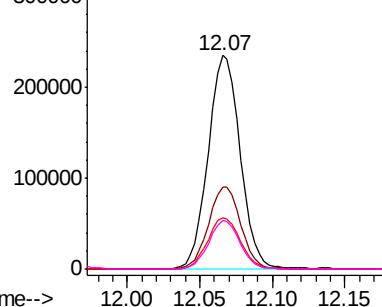


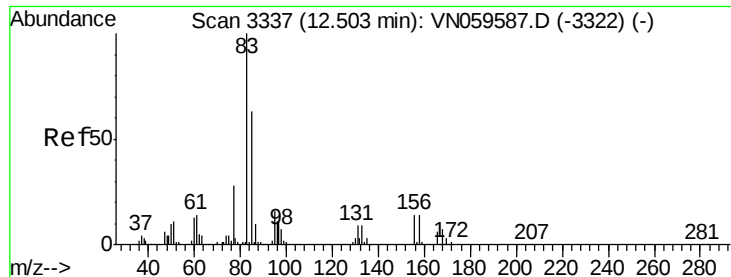
Abundance Ion 43.00 (42.70 to 43.70): V

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: 48.114 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

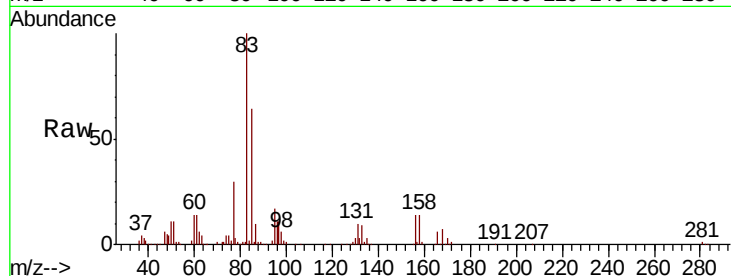
Tot Ion: 83 Resp: 234173

Ion Ratio Lower Upper

83 100

131 9.8 5.0 14.9

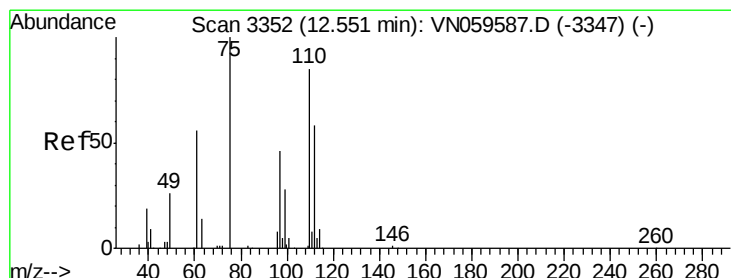
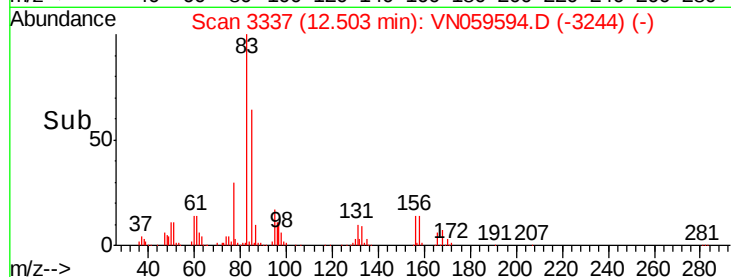
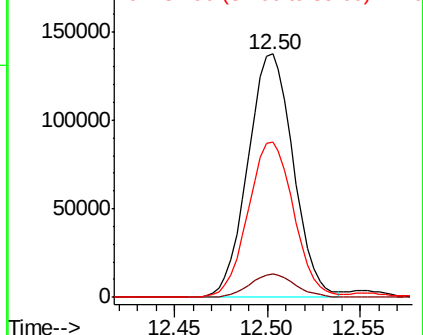
85 64.1 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN059587.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN059587.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN059587.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 72.760 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN059594.D

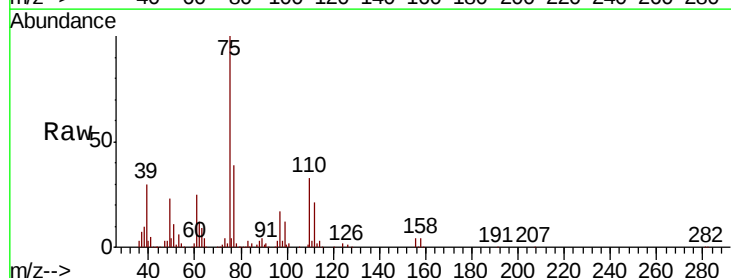
Acq: 13 Dec 2019 19:18

Tgt Ion: 75 Resp: 352059

Ion Ratio Lower Upper

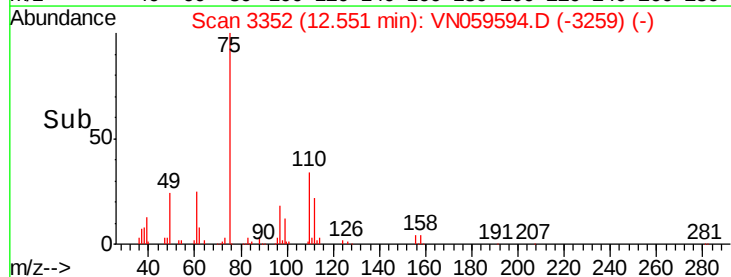
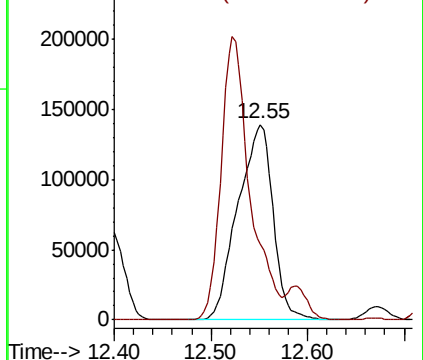
75 100

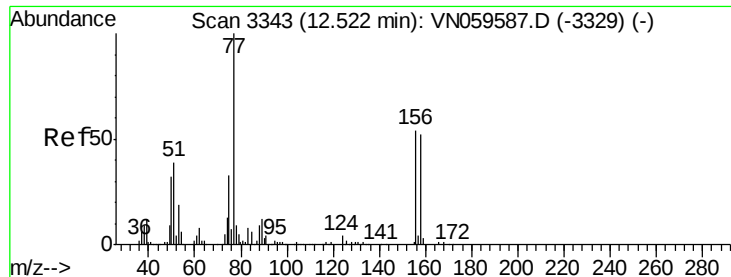
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059587.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN059587.D (-3347) (-)





#77

Bromobenzene

Concen: 47.320 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

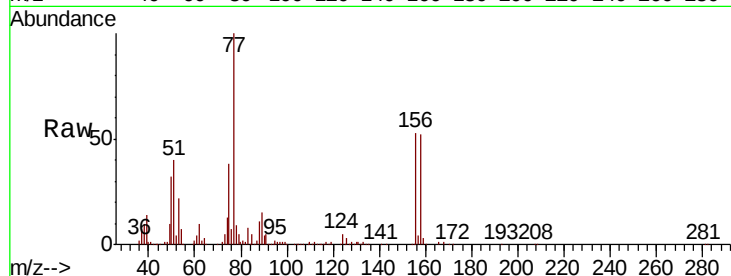
Tot Ion:156 Resp: 178553

Ion Ratio Lower Upper

156 100

77 235.1 115.8 347.4

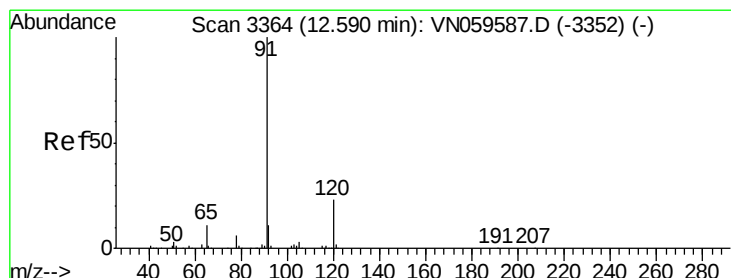
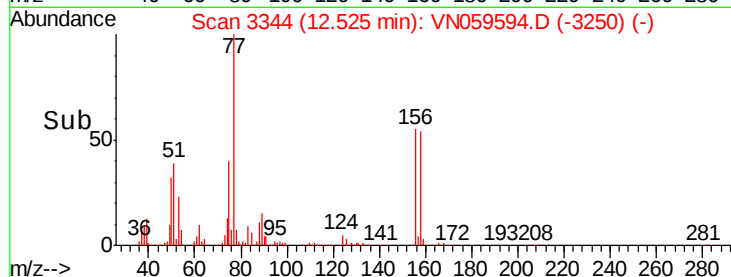
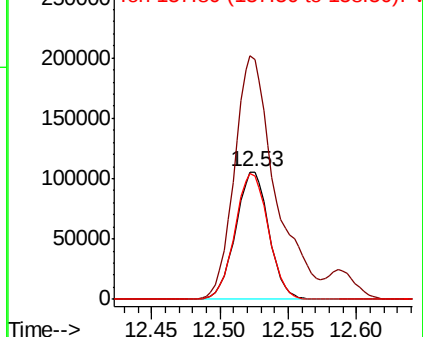
158 99.6 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.209 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059594.D

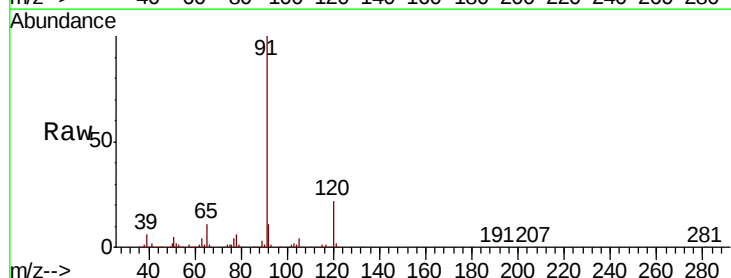
Acq: 13 Dec 2019 19:18

Tgt Ion: 91 Resp: 910646

Ion Ratio Lower Upper

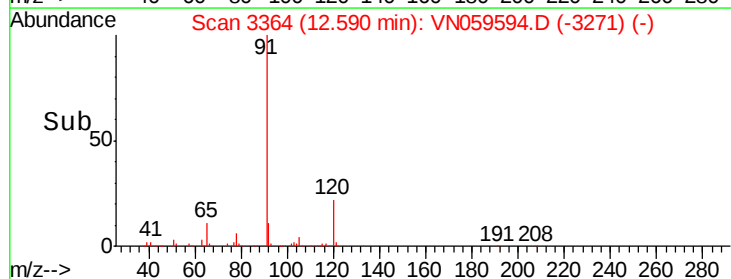
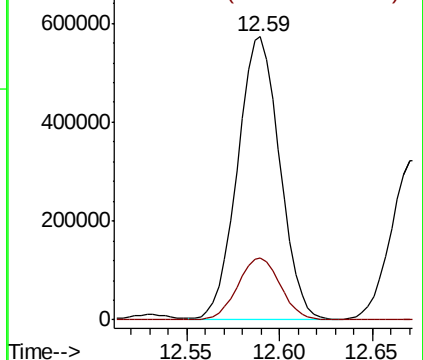
91 100

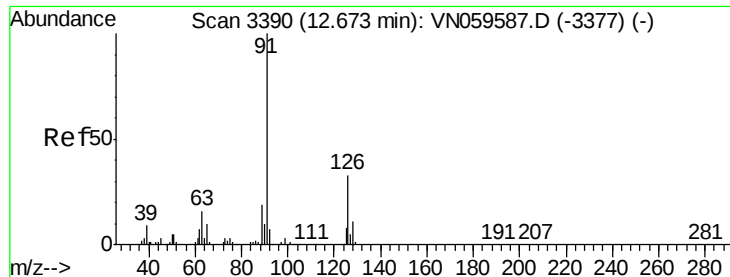
120 22.0 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

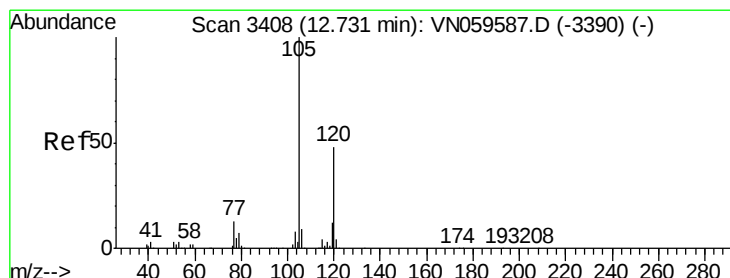
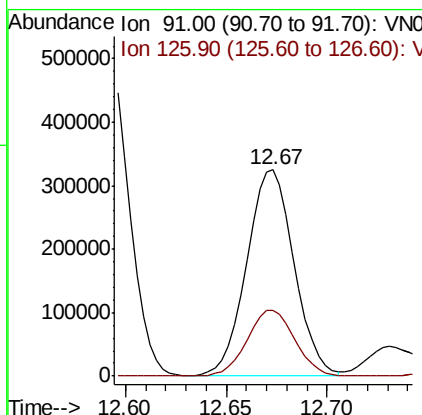
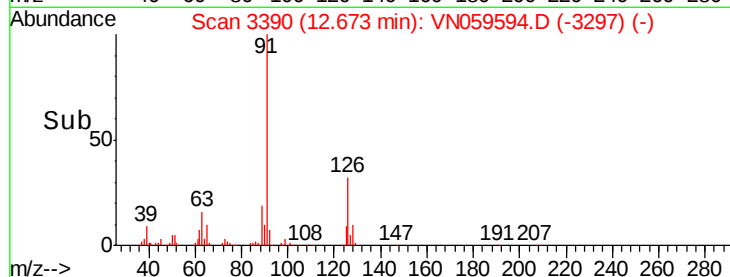
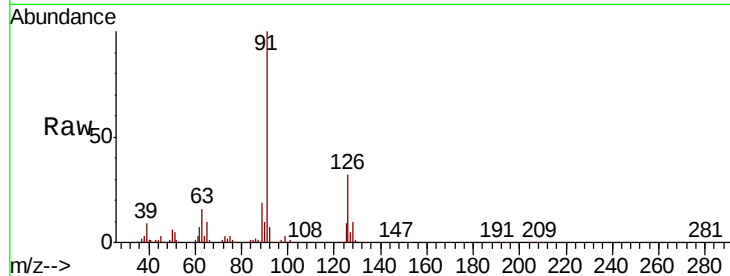




#79
 2-Chlorotoluene
 Concen: 48.742 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN059594.D
 Acq: 13 Dec 2019 19:18

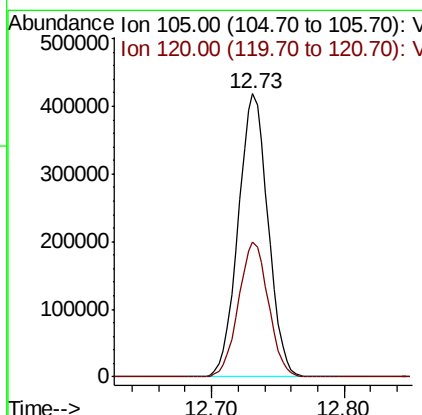
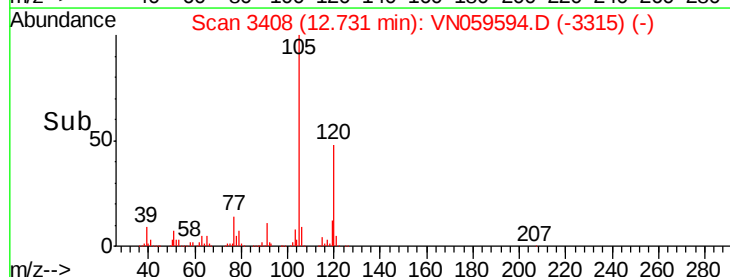
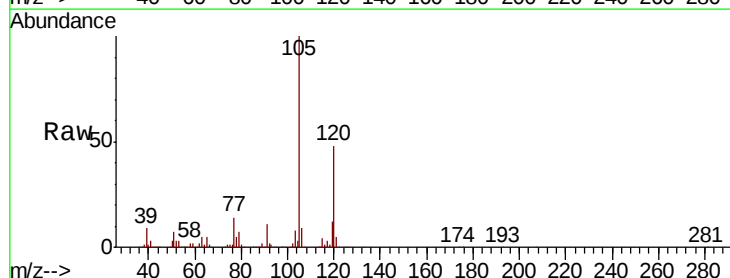
Instrument :
 MSVOA_N
 ClientSampled :

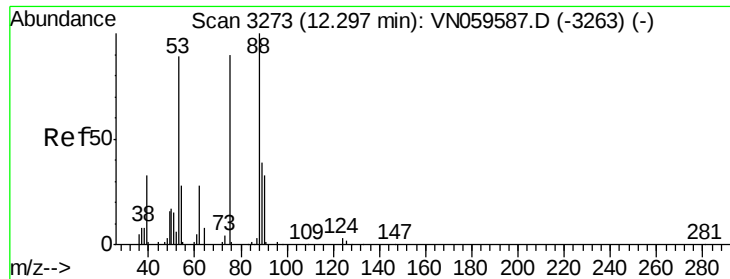
Tot Ion: 91 Resp: 534556
 Ion Ratio Lower Upper
 91 100
 126 32.2 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 50.136 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN059594.D
 Acq: 13 Dec 2019 19:18

Tgt Ion: 105 Resp: 650979
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.1 72.4

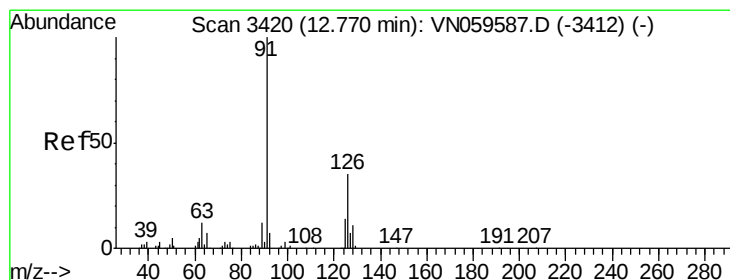
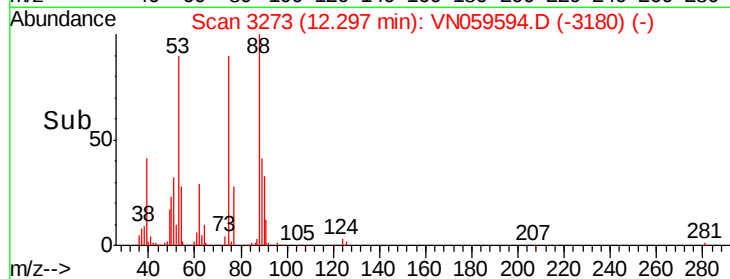
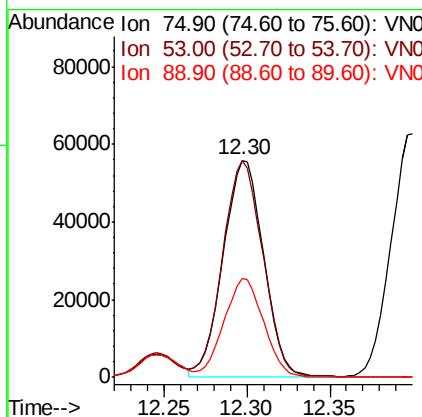
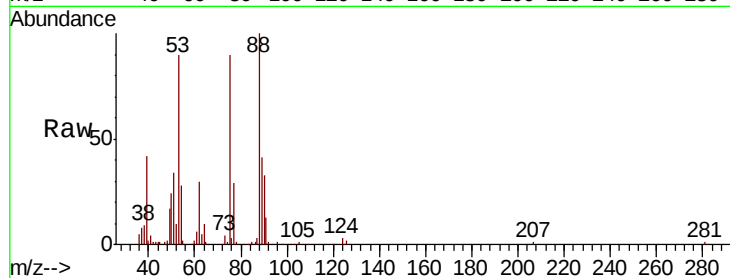




#81
trans-1,4-Dichloro-2-butene
Concen: 48.323 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

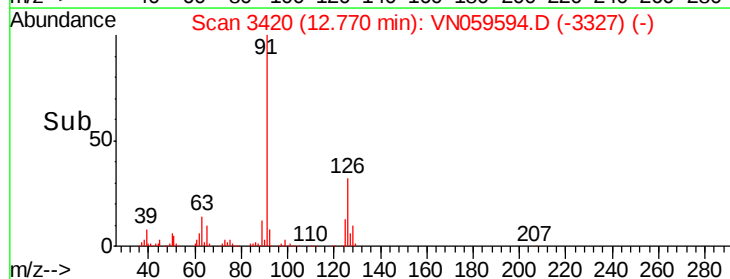
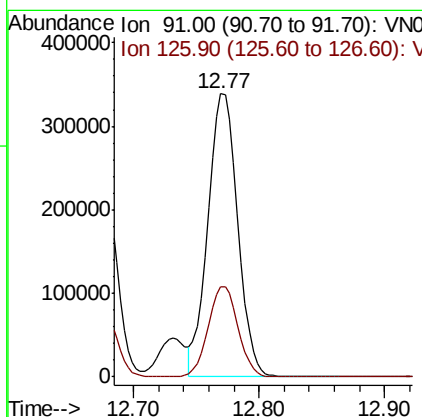
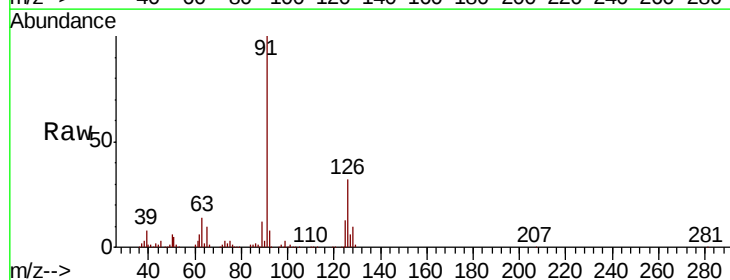
Instrument :
MSVOA_N
ClientSampleId :

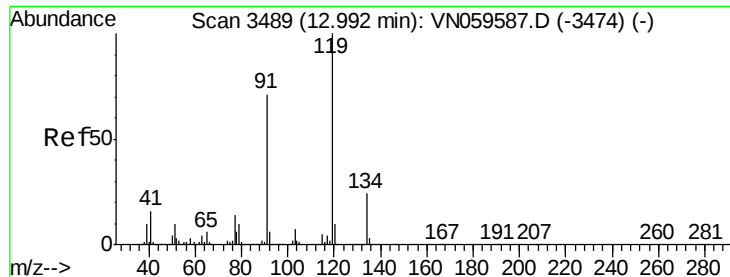
Tot Ion: 75 Resp: 94667
Ion Ratio Lower Upper
75 100
53 99.7 78.1 117.1
89 45.0 35.4 53.2



#82
4-Chlorotoluene
Concen: 49.610 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

Tgt Ion: 91 Resp: 557082
Ion Ratio Lower Upper
91 100
126 32.1 16.3 48.8

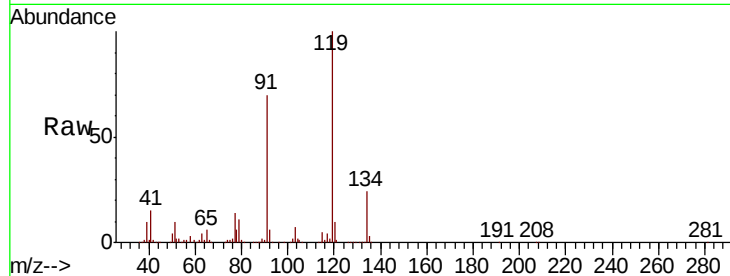




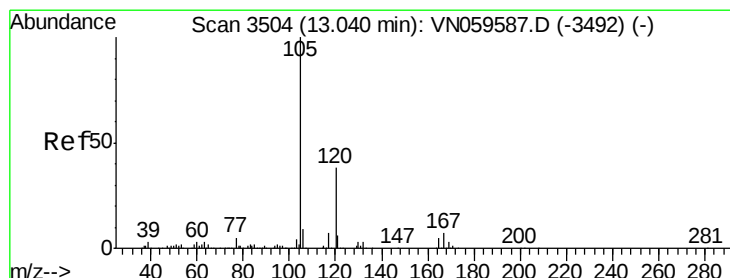
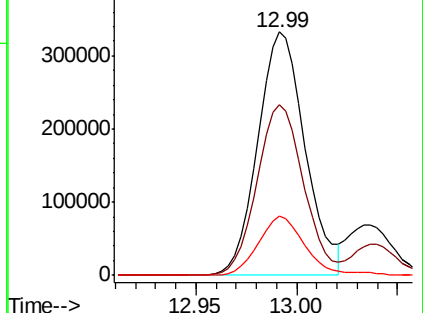
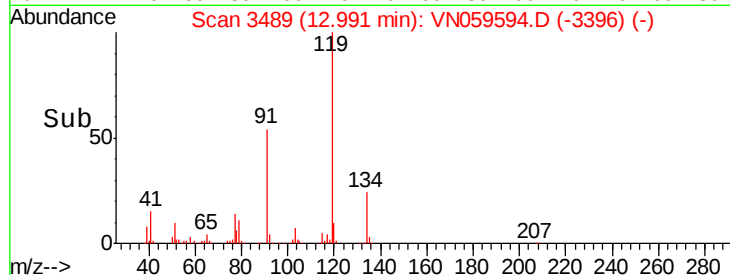
#83
 tert-Butylbenzene
 Concen: 49.389 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN059594.D
 Acq: 13 Dec 2019 19:18

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 543083
 Ion Ratio Lower Upper
 119 100
 91 69.2 34.8 104.4
 134 24.1 12.3 36.9

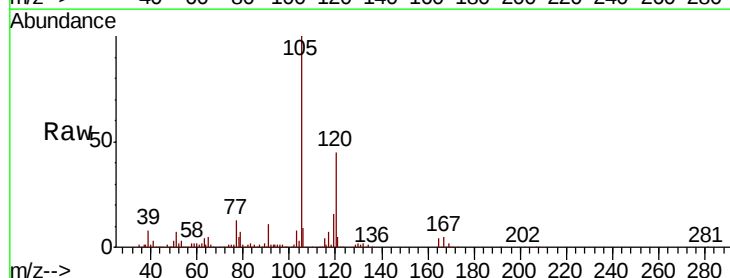


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

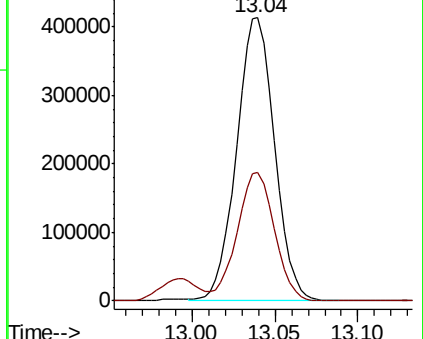
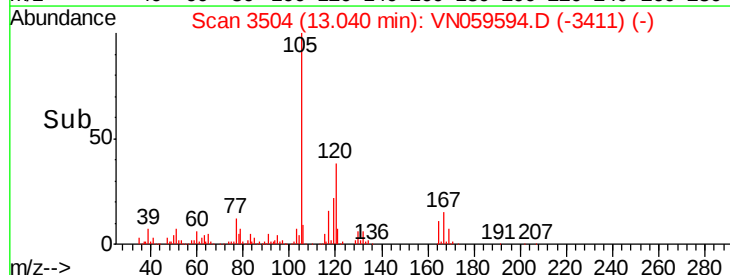


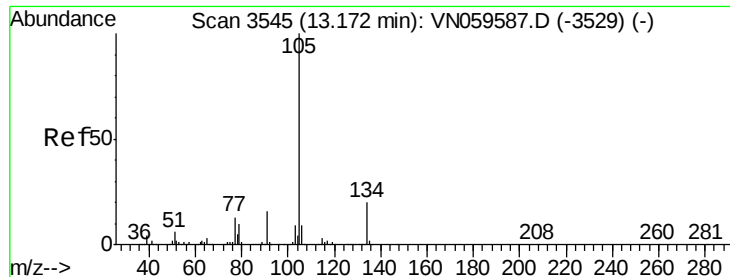
#84
 1,2,4-Trimethylbenzene
 Concen: 50.756 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059594.D
 Acq: 13 Dec 2019 19:18

Tgt Ion:105 Resp: 655300
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.3 66.9



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





#85

sec-Butylbenzene

Concen: 51.006 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

Instrument :

MSVOA_N

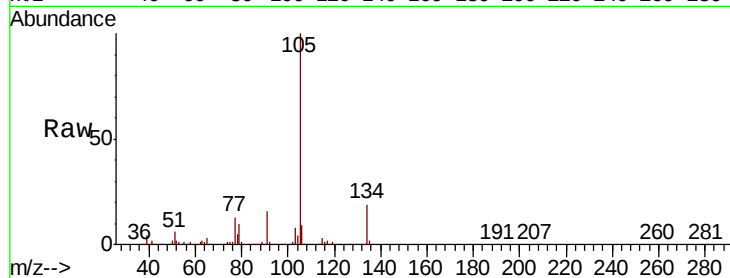
ClientSampled :

Tot Ion:105 Resp: 746055

Ion Ratio Lower Upper

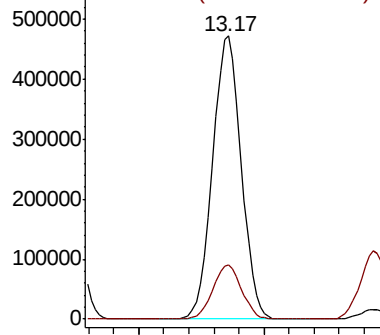
105 100

134 19.3 9.8 29.5

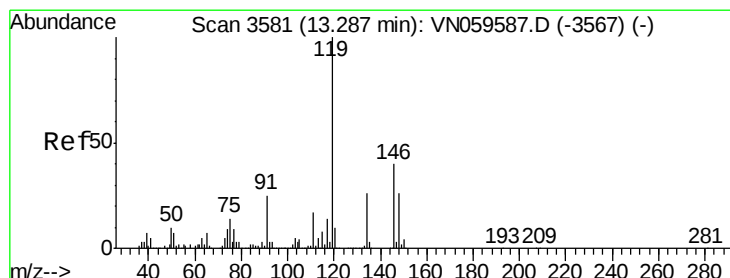
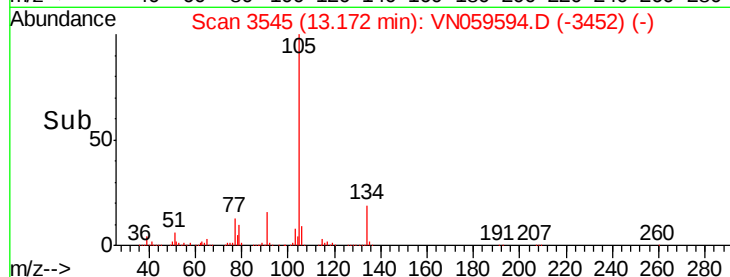


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 51.338 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

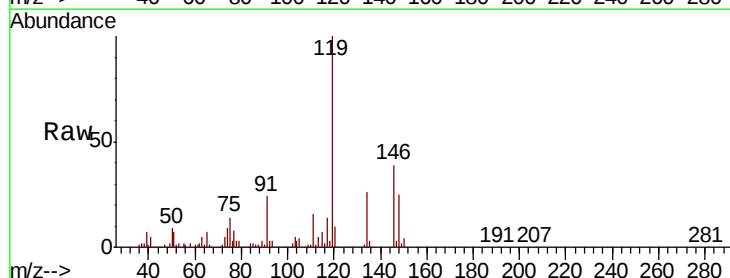
Tgt Ion:119 Resp: 680098

Ion Ratio Lower Upper

119 100

134 26.1 12.9 38.7

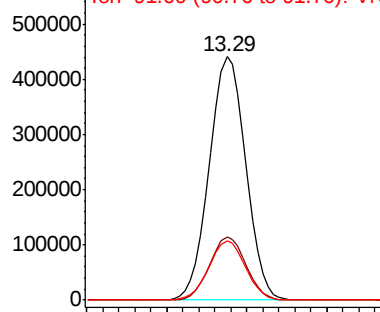
91 24.6 12.4 37.4



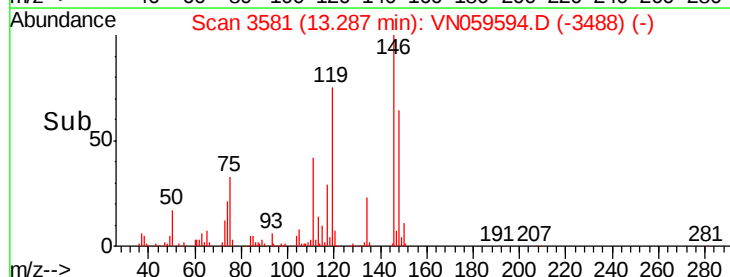
Abundance Ion 119.00 (118.70 to 119.70): V

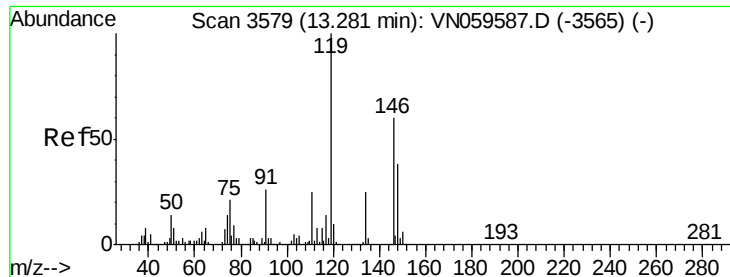
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





#87

1,3-Dichlorobenzene

Concen: 47.795 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

Instrument :

MSVOA_N

ClientSampled :

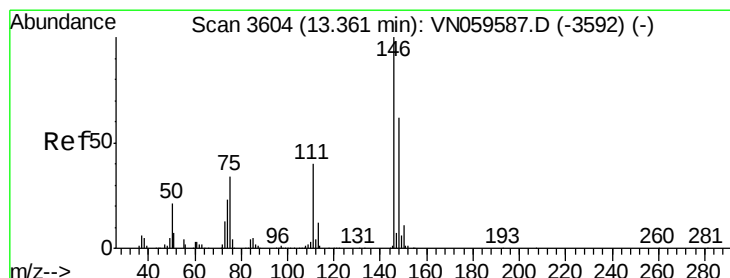
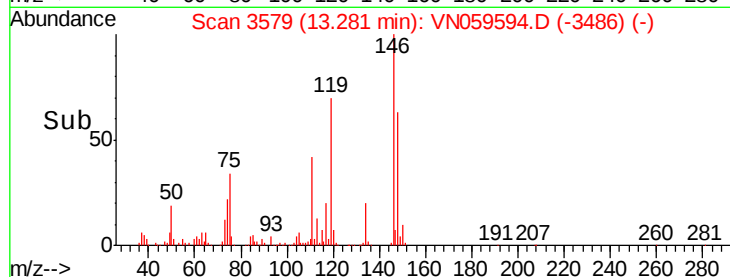
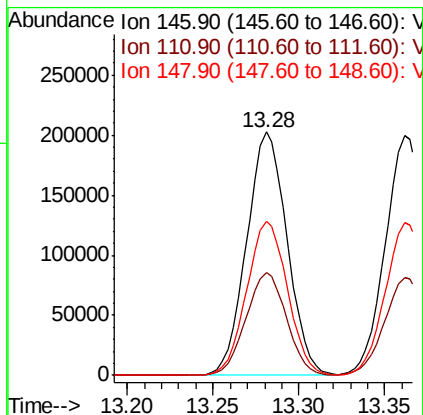
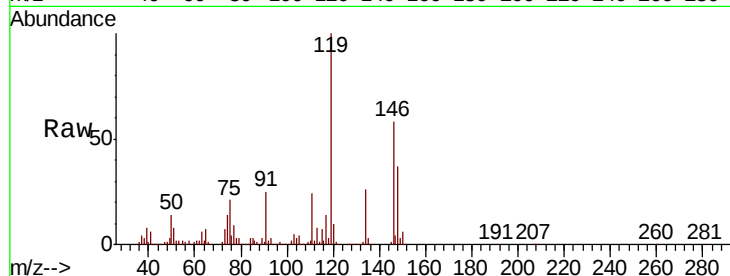
Tot Ion:146 Resp: 331619

Ion Ratio Lower Upper

146 100

111 42.1 20.8 62.2

148 63.7 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 46.839 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

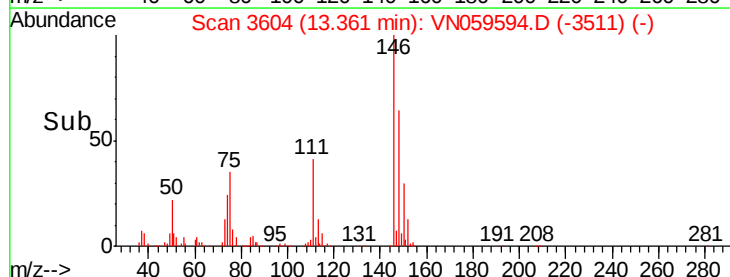
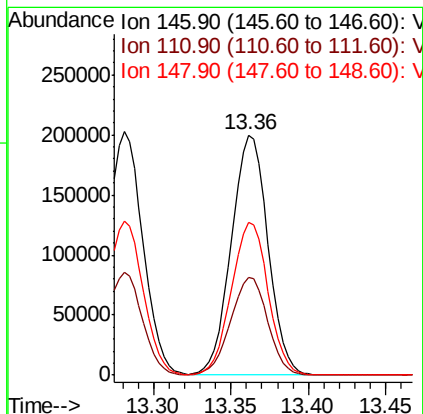
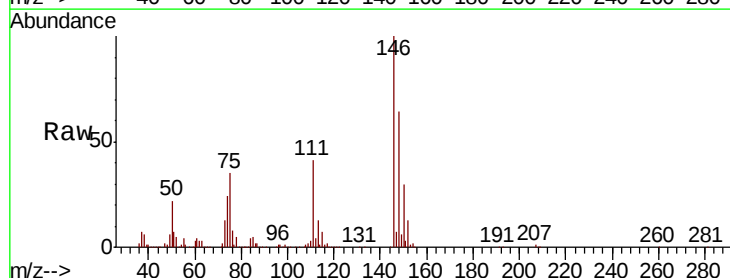
Tgt Ion:146 Resp: 327666

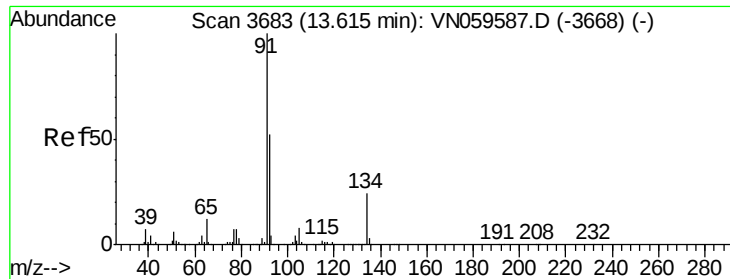
Ion Ratio Lower Upper

146 100

111 41.3 20.8 62.2

148 64.2 31.8 95.4

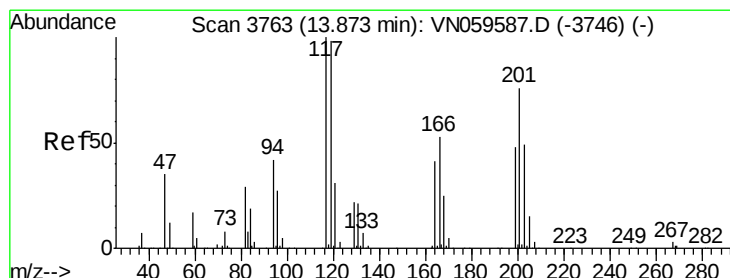
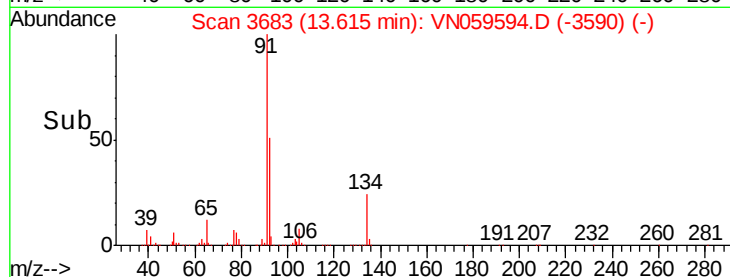
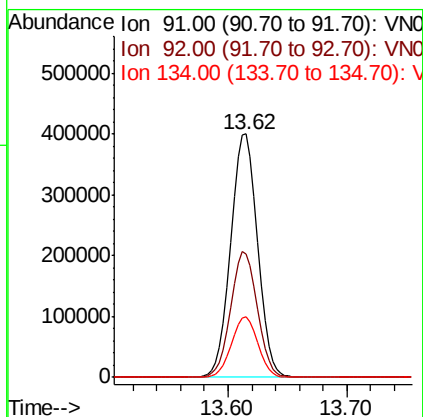
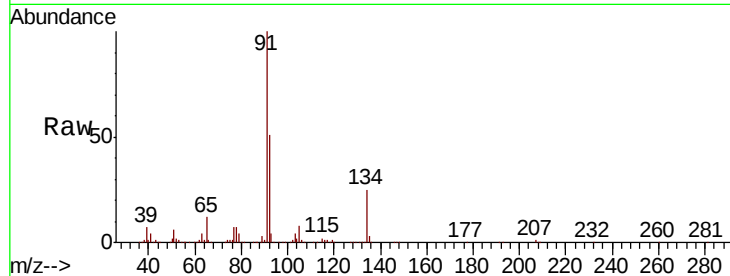




#89
n-Butylbenzene
Concen: 50.496 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

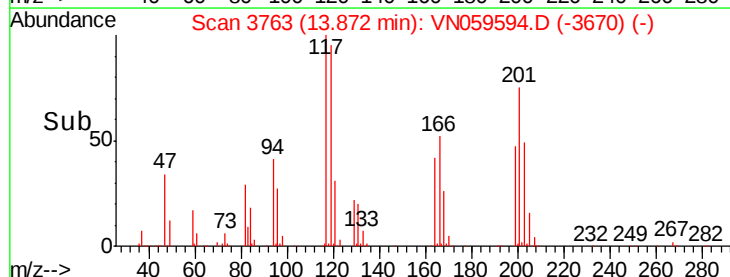
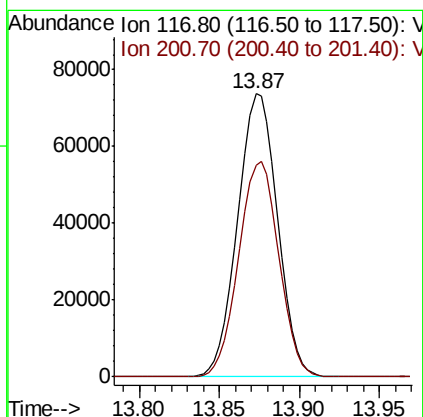
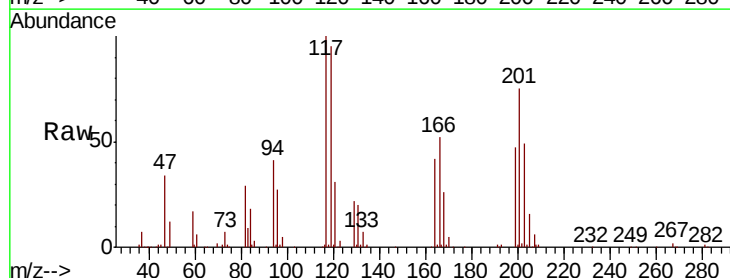
Instrument :
MSVOA_N
Client Sampled :

Tot Ion: 91 Resp: 627168
Ion Ratio Lower Upper
91 100
92 51.3 25.9 77.7
134 24.7 12.3 36.8



#90
Hexachloroethane
Concen: 50.104 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN059594.D
Acq: 13 Dec 2019 19:18

Tgt Ion: 117 Resp: 125465
Ion Ratio Lower Upper
117 100
201 76.6 37.8 113.4





#91

1,2-Dichlorobenzene

Concen: 47.507 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

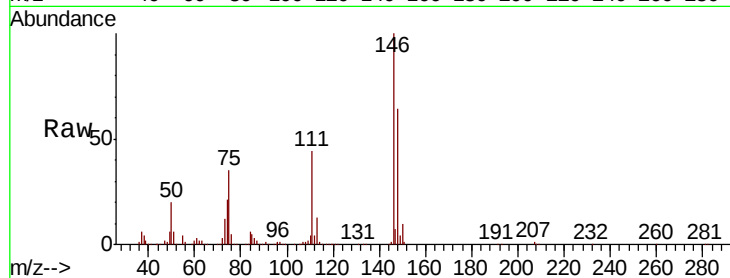
Tot Ion:146 Resp: 325073

Ion Ratio Lower Upper

146 100

111 43.3 21.6 64.8

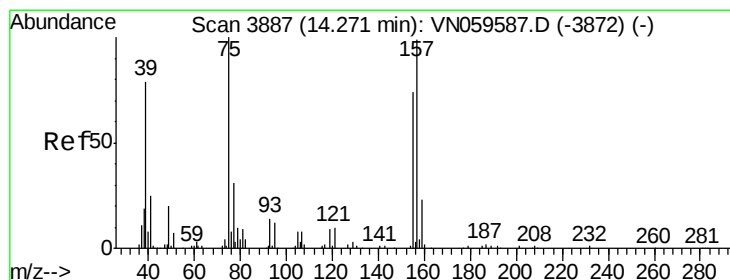
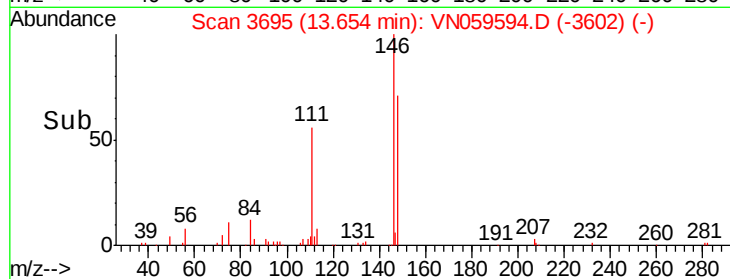
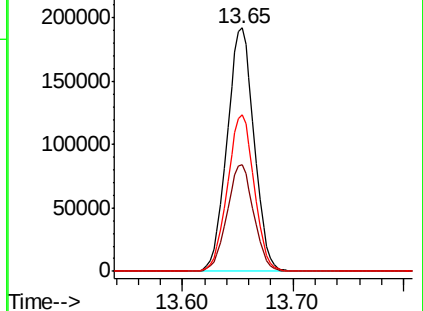
148 63.9 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 43.342 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

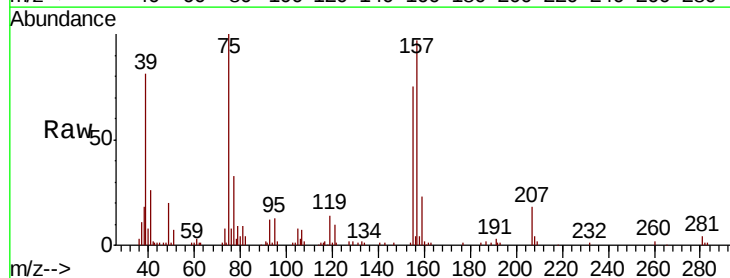
Tgt Ion: 75 Resp: 57271

Ion Ratio Lower Upper

75 100

155 74.6 37.0 110.9

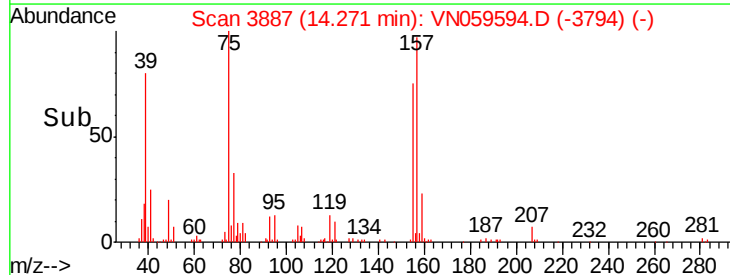
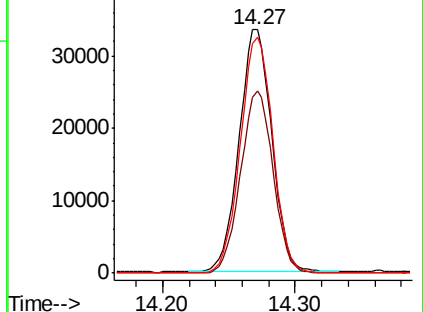
157 96.8 48.4 145.2

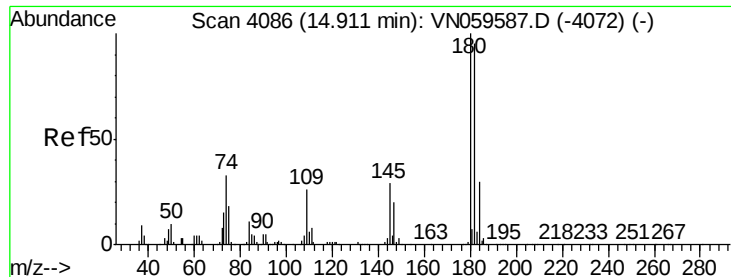


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

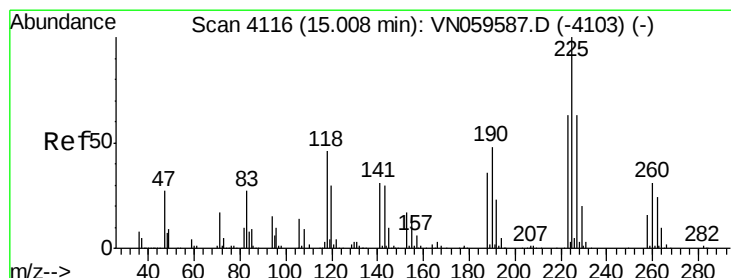
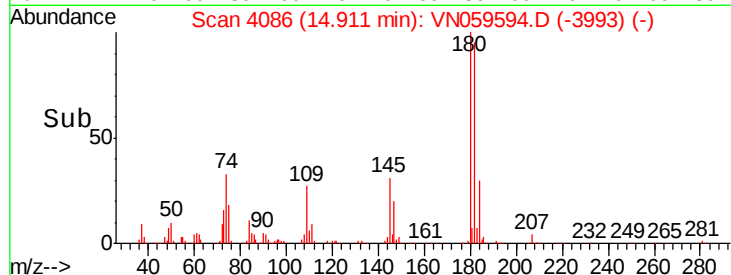
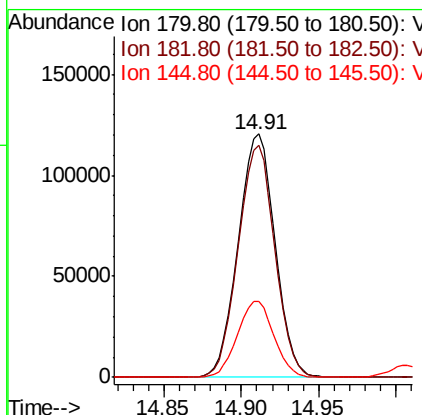
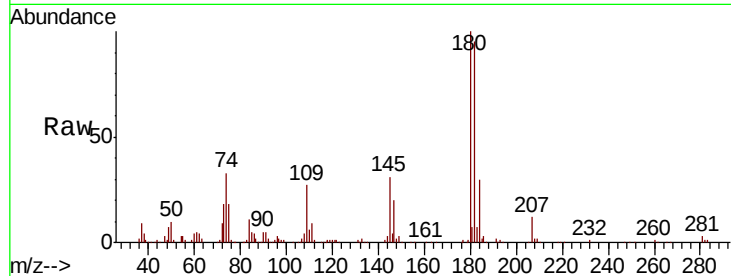




#93
 1,2,4-Trichlorobenzene
 Concen: 45.272 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059594.D
 Acq: 13 Dec 2019 19:18

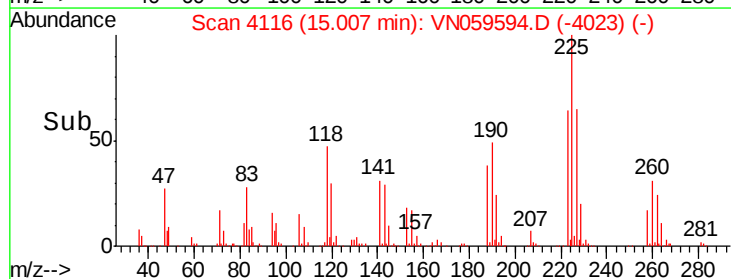
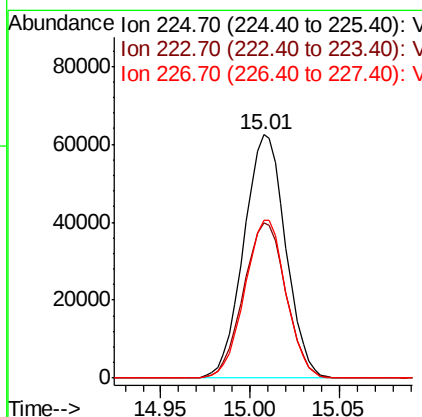
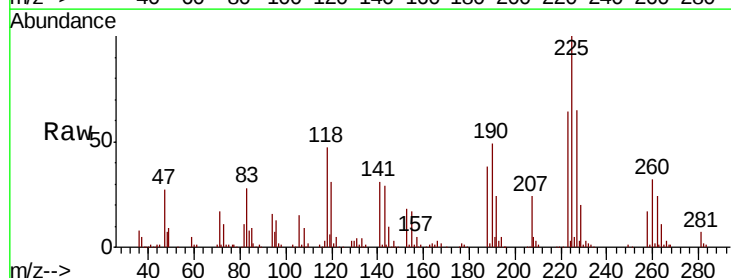
Instrument :
 MSVOA_N
 ClientSampleId :

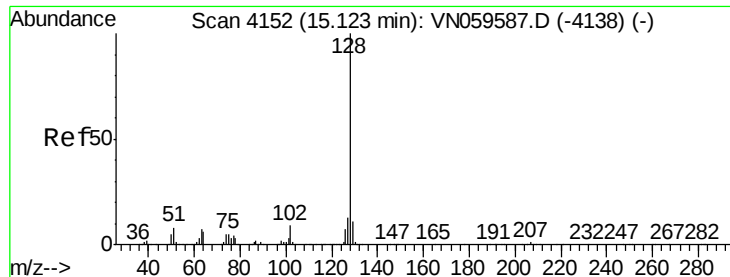
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	46.9	140.7
145	31.0	15.0	45.1



#94
 Hexachlorobutadiene
 Concen: 44.263 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059594.D
 Acq: 13 Dec 2019 19:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.8	95.3
227	63.9	32.1	96.5





#95

Naphthalene

Concen: 44.670 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. -0.00 min

Lab File: VN059594.D

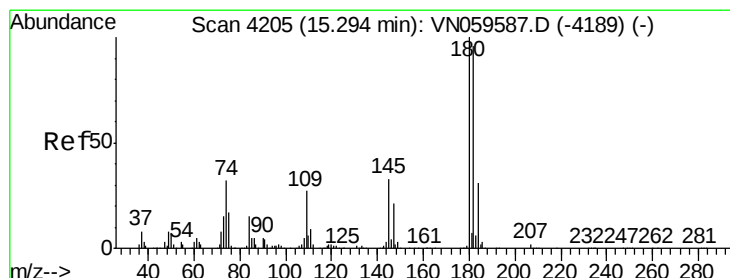
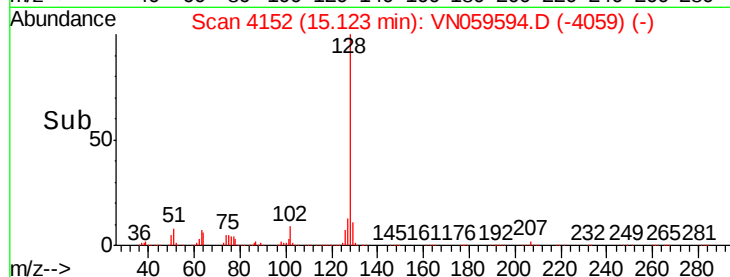
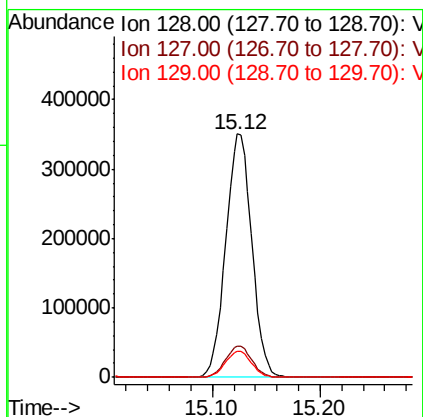
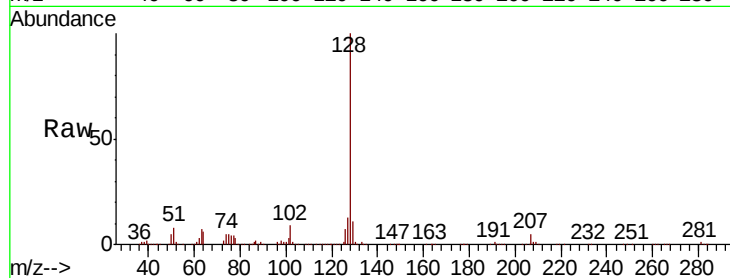
Acq: 13 Dec 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	128	Resp:	589237
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.7	8.6	12.8



#96

1,2,3-Trichlorobenzene

Concen: 42.731 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.00 min

Lab File: VN059594.D

Acq: 13 Dec 2019 19:18

Tgt Ion:	180	Resp:	190965
Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.4	142.3
145	32.4	16.3	48.9

