

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091419\
 Data File : VN058017.D
 Acq On : 13 Sep 2019 14:36
 Operator : JC/SP
 Sample : VN0914WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

Quant Time: Sep 14 02:19:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	321893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	531432	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	492581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	282280	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	344127	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	
35) Dibromofluoromethane	7.58	113	248627	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	10.09	98	971856	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.40	95	336562	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	86946	19.531	ug/l	97
3) Chloromethane	2.04	50	75603	16.663	ug/l	100
4) Vinyl Chloride	2.17	62	80795	16.825	ug/l	100
5) Bromomethane	2.55	94	44662	15.887	ug/l	96
6) Chloroethane	2.69	64	53790	17.579	ug/l	94
7) Trichlorofluoromethane	3.00	101	109296	18.086	ug/l	96
8) Diethyl Ether	3.39	74	49620	19.687	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	75600	19.831	ug/l	99
10) Methyl Iodide	3.93	142	68666	16.186	ug/l	99
11) Tert butyl alcohol	4.76	59	67341	85.340	ug/l #	89
12) 1,1-Dichloroethene	3.72	96	63207	18.441	ug/l	100
13) Acrolein	3.61	56	5420	8.096	ug/l	91
14) Allyl chloride	4.30	41	123727	18.445	ug/l	97
15) Acrylonitrile	4.96	53	217260	100.171	ug/l	99
16) Acetone	3.80	43	183308	85.767	ug/l	100
17) Carbon Disulfide	4.03	76	87116	16.437	ug/l	100
18) Methyl Acetate	4.30	43	120996	21.233	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	293315	20.563	ug/l	98
20) Methylene Chloride	4.53	84	87755	20.850	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	68434	18.470	ug/l	98
22) Diisopropyl ether	5.93	45	320279	20.360	ug/l	95
23) Vinyl Acetate	5.87	43	1141467	102.390	ug/l	99
24) 1,1-Dichloroethane	5.83	63	176529	20.534	ug/l	99
25) 2-Butanone	6.81	43	290929	94.049	ug/l	100
26) 2,2-Dichloropropane	6.81	77	121311	17.830	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	97807	19.697	ug/l	99
28) Bromochloromethane	7.17	49	93837	21.848	ug/l	98
29) Tetrahydrofuran	7.19	42	186113	97.638	ug/l	99
30) Chloroform	7.36	83	182514	20.304	ug/l	98
31) Cyclohexane	7.64	56	122099	19.476	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	138665	19.450	ug/l	98
36) 1,1-Dichloropropene	7.78	75	114197	18.529	ug/l	97
37) Ethyl Acetate	6.91	43	122146	19.182	ug/l	98
38) Carbon Tetrachloride	7.76	117	108832	19.341	ug/l	98

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 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

Quant Time: Sep 14 02:19:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	116353	17.959	ug/l	99
40) Benzene	8.03	78	360668	19.437	ug/l	98
41) Methacrylonitrile	7.19	41	181247	62.704	ug/l #	16
42) 1,2-Dichloroethane	8.11	62	147744	19.909	ug/l	100
43) Isopropyl Acetate	8.15	43	217422	20.304	ug/l #	89
44) Trichloroethene	8.83	130	86671	19.044	ug/l	97
45) 1,2-Dichloropropane	9.11	63	107891	19.982	ug/l	97
46) Dibromomethane	9.20	93	65144	19.966	ug/l	99
47) Bromodichloromethane	9.40	83	130820	20.079	ug/l	99
48) Methyl methacrylate	9.19	41	103392	19.034	ug/l	99
49) 1,4-Dioxane	9.19	88	30353	330.425	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	646064	101.952	ug/l	100
52) Toluene	10.15	92	227675	19.481	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	128255	18.693	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	145889	19.259	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	99614	20.122	ug/l	97
56) Ethyl methacrylate	10.43	69	141454	18.975	ug/l	98
57) 1,3-Dichloropropane	10.71	76	167792	19.668	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	315901	89.971	ug/l	99
59) 2-Hexanone	10.75	43	446505	94.005	ug/l	100
60) Dibromochloromethane	10.90	129	85734	18.650	ug/l	99
61) 1,2-Dibromoethane	11.00	107	89692	19.164	ug/l	99
64) Tetrachloroethene	10.63	164	69651	19.151	ug/l	97
65) Chlorobenzene	11.43	112	250136	19.404	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	88287	19.737	ug/l	98
67) Ethyl Benzene	11.51	91	448088	19.834	ug/l	100
68) m/p-Xylenes	11.62	106	325636	39.349	ug/l	99
69) o-Xylene	11.95	106	161666	19.650	ug/l	96
70) Styrene	11.97	104	280562	19.815	ug/l	99
71) Bromoform	12.13	173	50120	17.972	ug/l #	98
73) Isopropylbenzene	12.25	105	452863	20.675	ug/l	100
74) N-amyl acetate	12.07	43	181227	19.011	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	145253	19.695	ug/l	97
76) 1,2,3-Trichloropropane	12.56	75	173325	27.143	ug/l #	100
77) Bromobenzene	12.53	156	104732	19.178	ug/l	99
78) n-propylbenzene	12.59	91	525785	20.904	ug/l	100
79) 2-Chlorotoluene	12.68	91	315076	19.820	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	386986	20.910	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	27495	15.152	ug/l #	76
82) 4-Chlorotoluene	12.78	91	317829	19.469	ug/l	98
83) tert-Butylbenzene	13.00	119	328194	19.949	ug/l	97
84) 1,2,4-Trimethylbenzene	13.05	105	380358	20.221	ug/l	99
85) sec-Butylbenzene	13.18	105	453300	20.789	ug/l	99
86) p-Isopropyltoluene	13.29	119	393717	20.493	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	195482	19.501	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	197431	19.404	ug/l	99
89) n-Butylbenzene	13.62	91	355138	19.574	ug/l	100
90) Hexachloroethane	13.88	117	54923	19.222	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	196107	19.583	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23519	19.310	ug/l	95

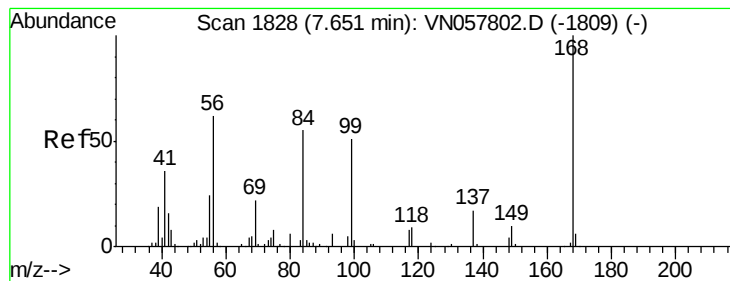
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091419\
Data File : VN058017.D
Acq On : 13 Sep 2019 14:36
Operator : JC/SP
Sample : VN0914WBSD02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

Quant Time: Sep 14 02:19:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	114533	17.498	ug/l	98
94) Hexachlorobutadiene	15.02	225	51665	18.620	ug/l	99
95) Naphthalene	15.13	128	315461	18.087	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	112270	20.253	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

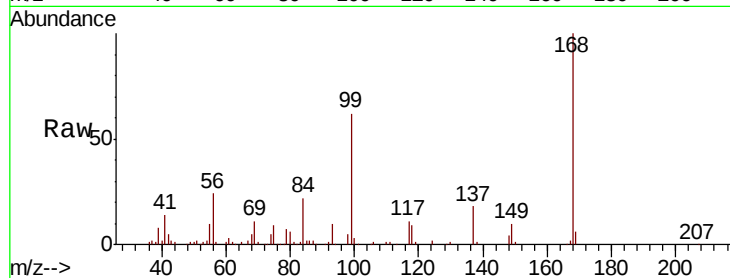
VN0914WBSD02

Tgt Ion:168 Resp: 321893

Ion Ratio Lower Upper

168 100

99 61.1 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN058017.D (-1735) (-)

Ion 98.90 (98.60 to 99.60): VN058017.D (-1735) (-)

7.65

150000

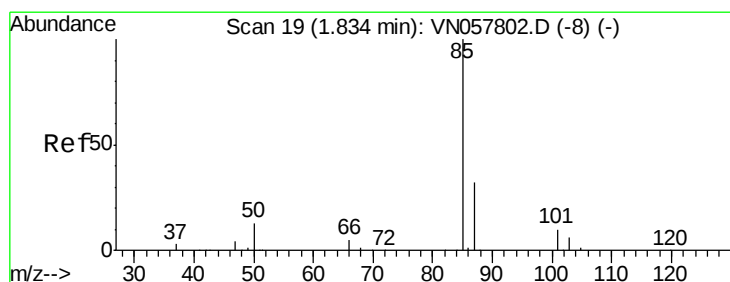
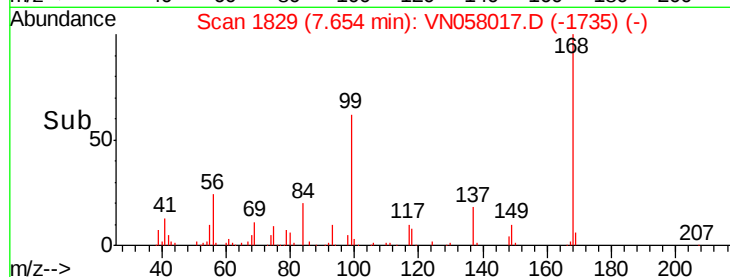
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 19.531 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058017.D

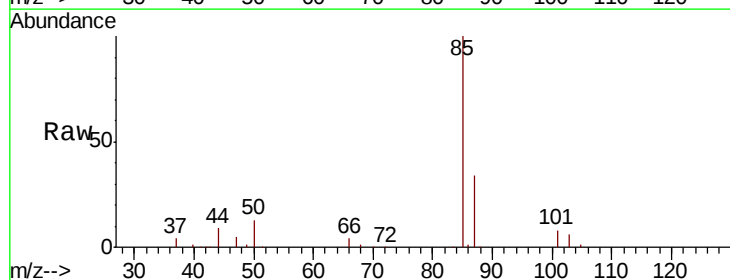
Acq: 13 Sep 2019 14:36

Tgt Ion: 85 Resp: 86946

Ion Ratio Lower Upper

85 100

87 33.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN058017.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN058017.D (-1) (-)

1.83

60000

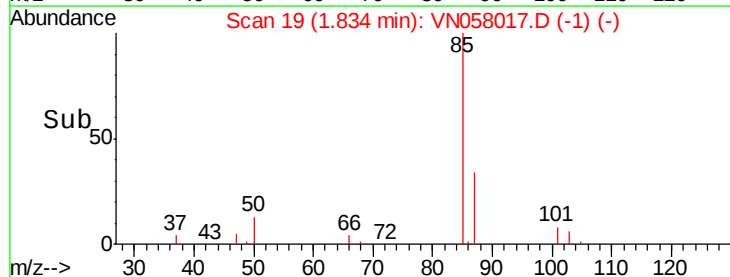
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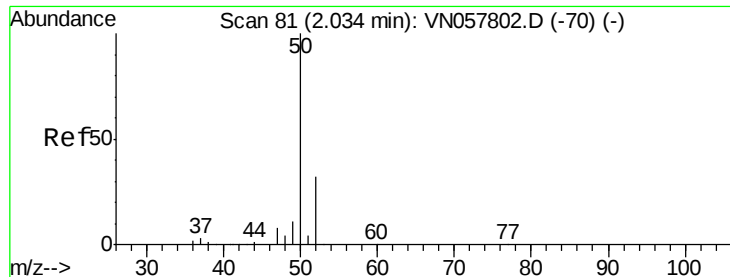
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 16.663 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

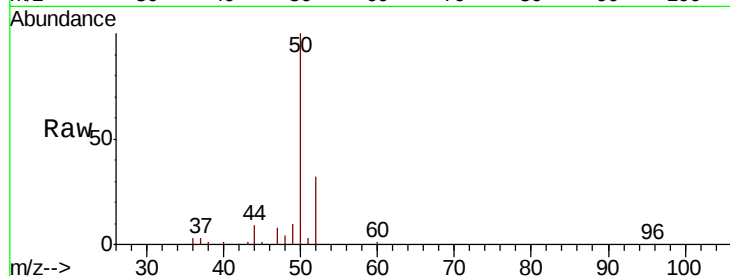
VN0914WBSD02

Tgt Ion: 50 Resp: 75603

Ion Ratio Lower Upper

50 100

52 32.0 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VN057802.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN057802.D (-70) (-)

2.04

60000

50000

40000

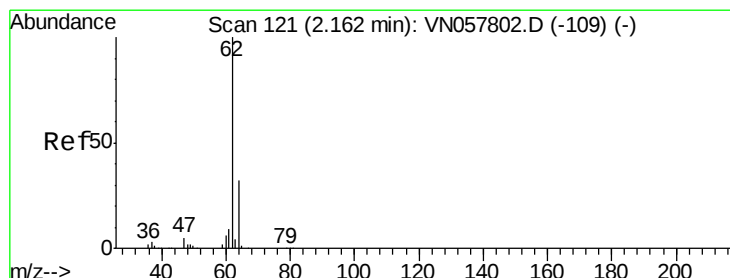
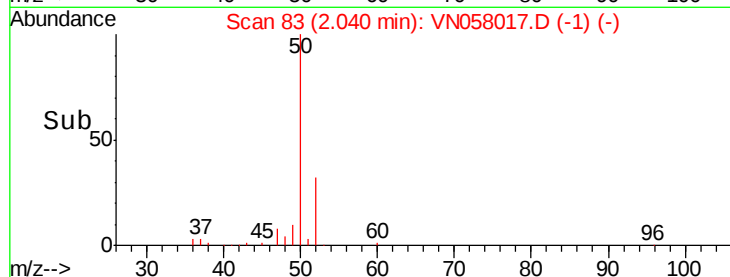
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 16.825 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058017.D

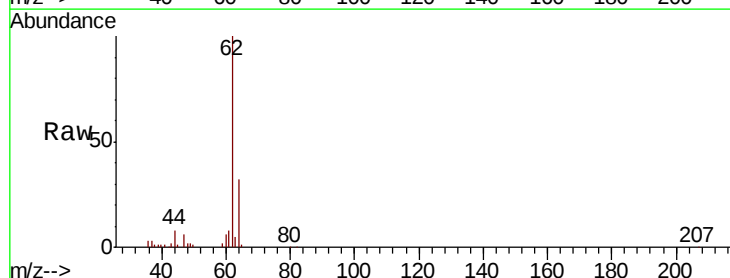
Acq: 13 Sep 2019 14:36

Tgt Ion: 62 Resp: 80795

Ion Ratio Lower Upper

62 100

64 32.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN057802.D (-109) (-)

Ion 63.90 (63.60 to 64.60): VN057802.D (-109) (-)

2.17

60000

50000

40000

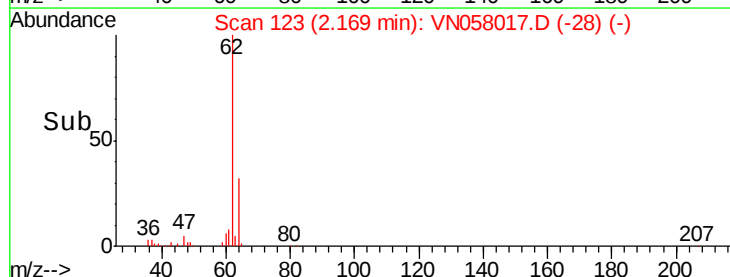
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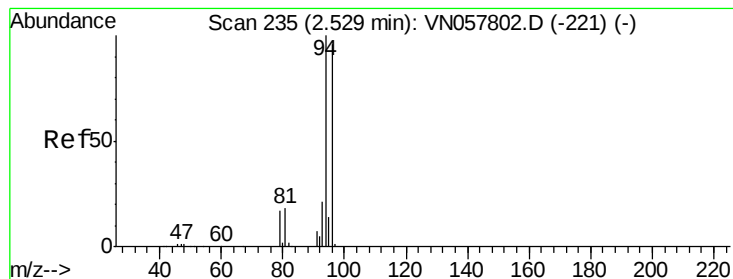
20000

10000

0

Time-->





#5

Bromomethane

Concen: 15.887 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

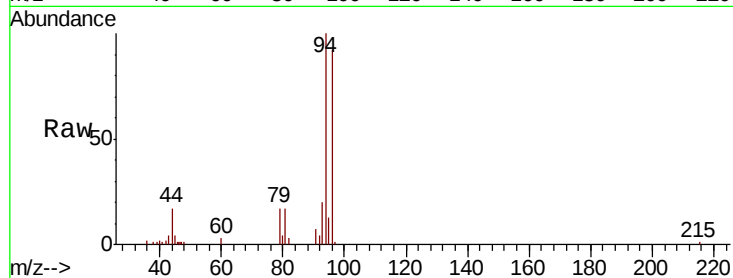
VN0914WBSD02

Tgt Ion: 94 Resp: 44662

Ion Ratio Lower Upper

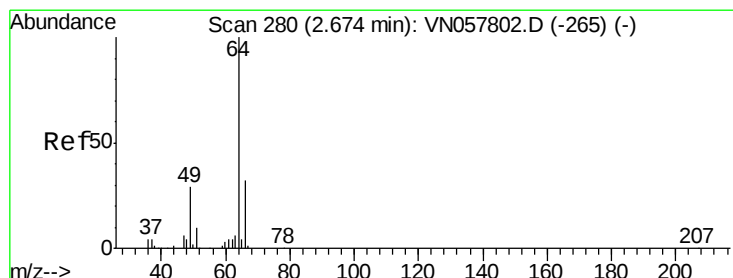
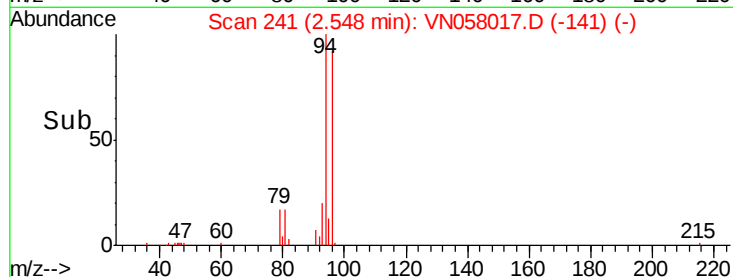
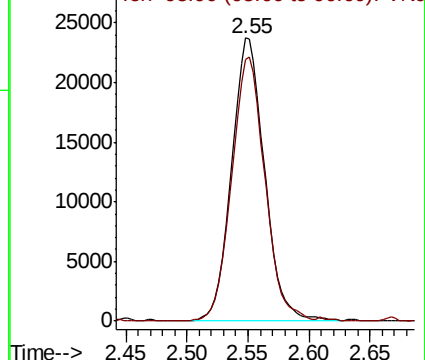
94 100

96 92.2 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.579 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058017.D

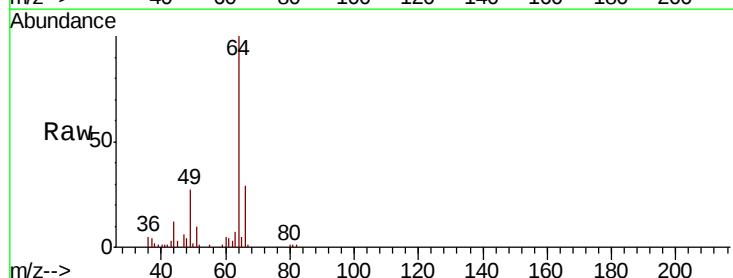
Acq: 13 Sep 2019 14:36

Tgt Ion: 64 Resp: 53790

Ion Ratio Lower Upper

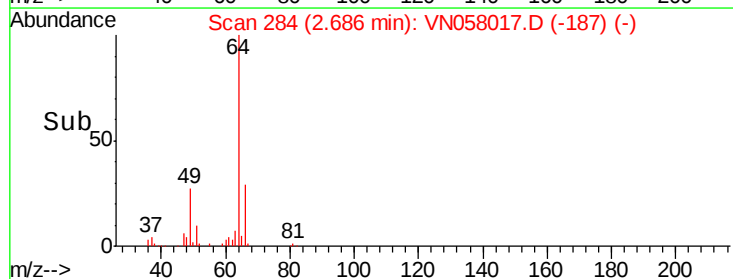
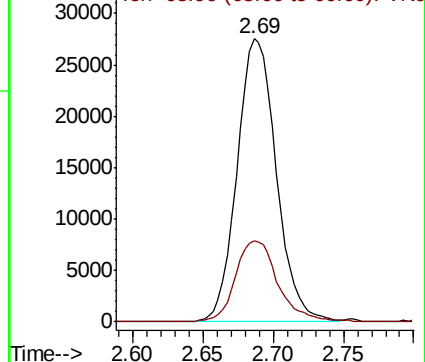
64 100

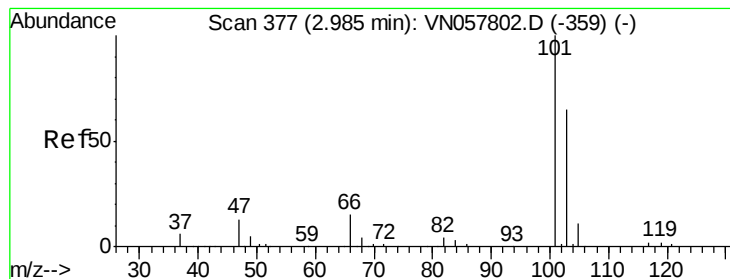
66 28.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



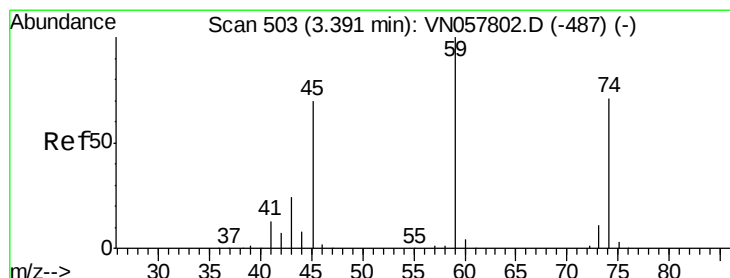
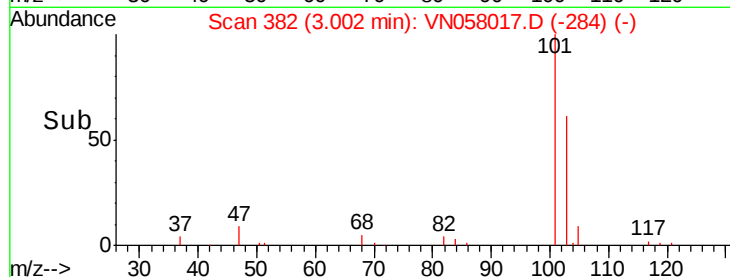
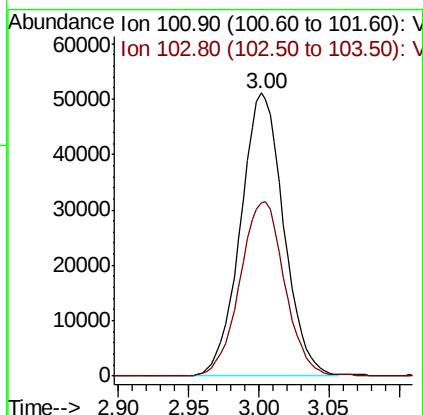
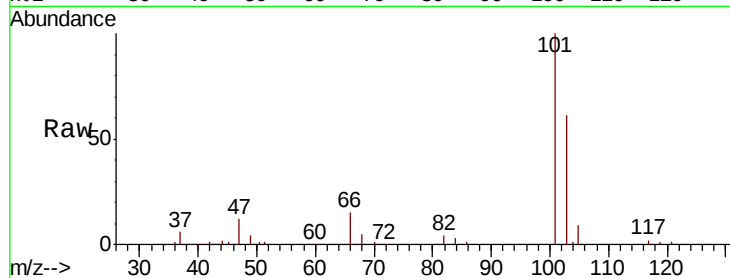


#7

Trichlorofluoromethane
 Concen: 18.086 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.02 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

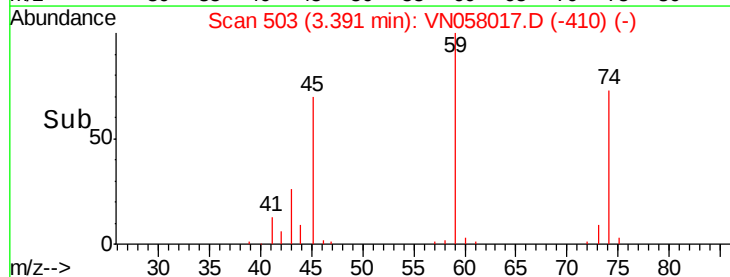
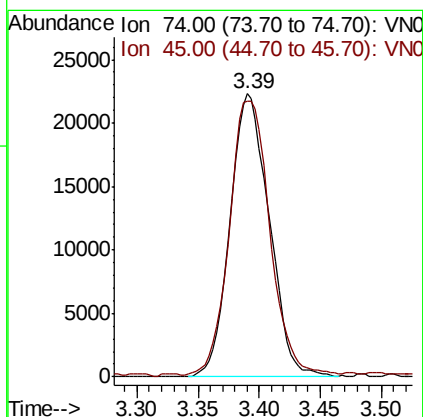
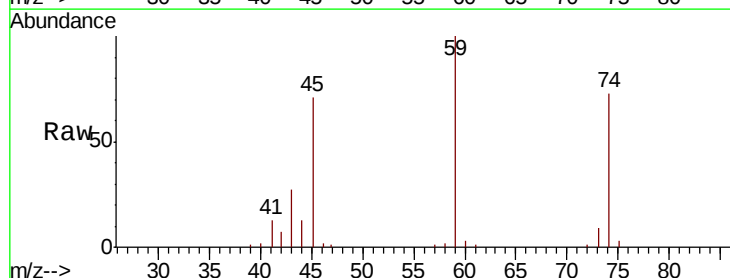
Tgt Ion: 101 Resp: 109296
 Ion Ratio Lower Upper
 101 100
 103 61.4 51.9 77.9

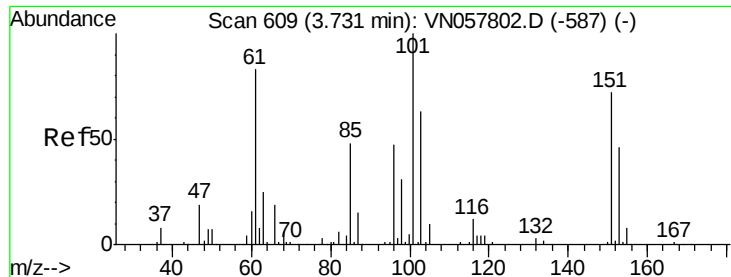


#8

Diethyl Ether
 Concen: 19.687 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Tgt Ion: 74 Resp: 49620
 Ion Ratio Lower Upper
 74 100
 45 99.6 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.831 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

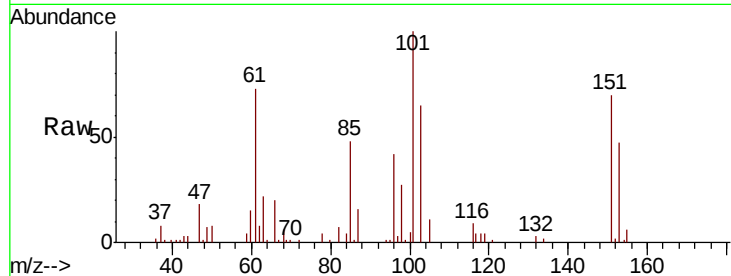
Tgt Ion:101 Resp: 75600

Ion Ratio Lower Upper

101 100

85 49.2 38.1 57.1

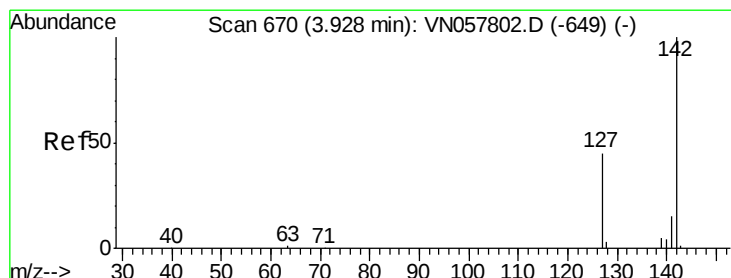
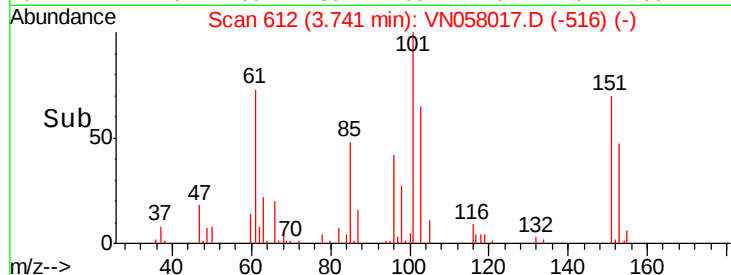
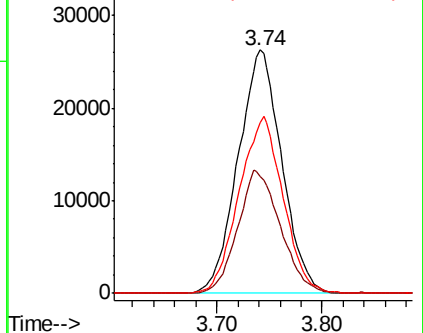
151 73.1 58.4 87.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.186 ug/l

RT: 3.93 min Scan# 672

Delta R.T. 0.01 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

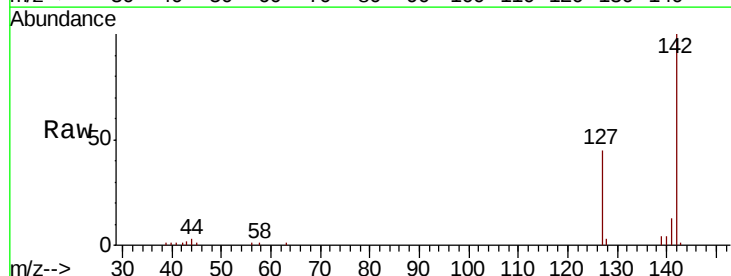
Tgt Ion:142 Resp: 68666

Ion Ratio Lower Upper

142 100

127 46.6 36.7 55.1

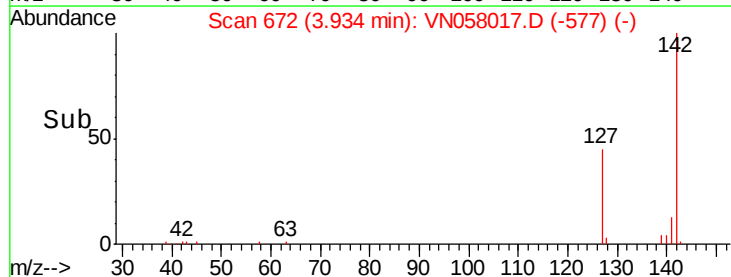
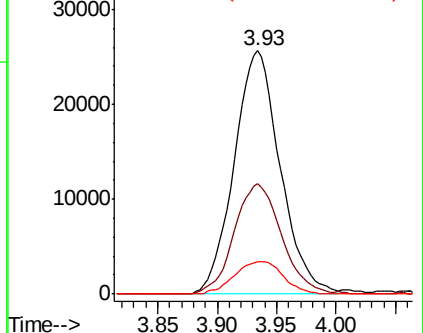
141 14.2 11.4 17.0

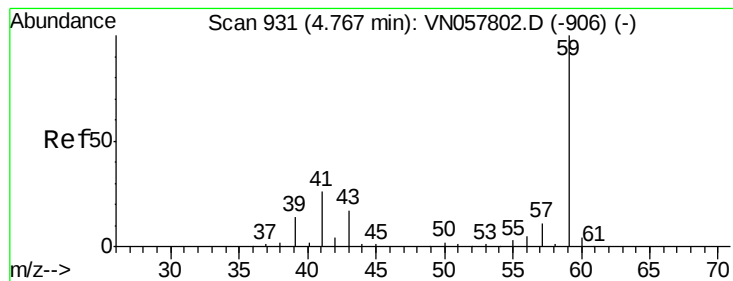


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 85.340 ug/l

RT: 4.76 min Scan# 928

Delta R.T. -0.01 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

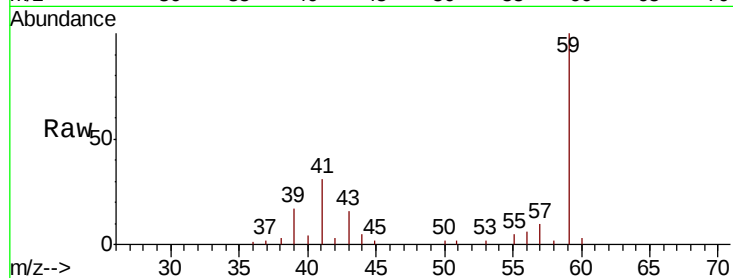
VN0914WBSD02

Tgt Ion: 59 Resp: 67341

Ion Ratio Lower Upper

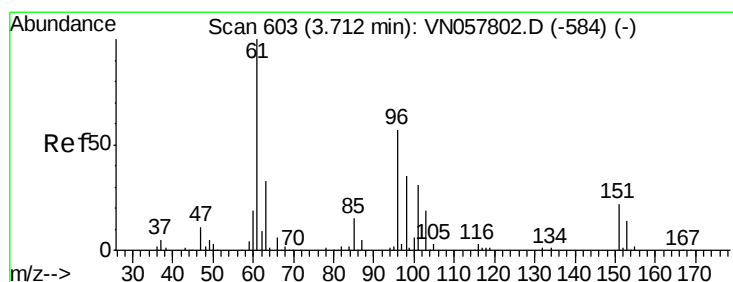
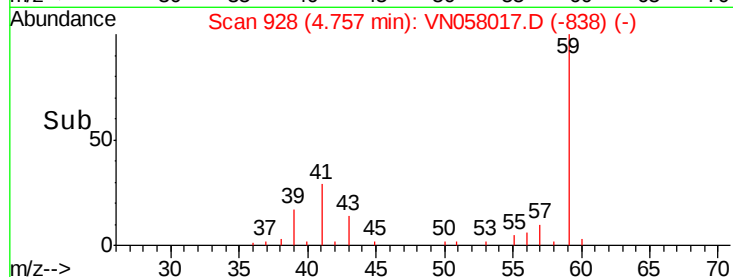
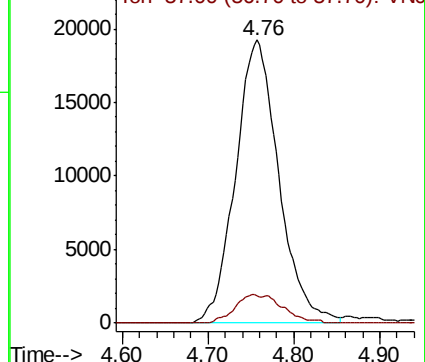
59 100

57 6.3 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 18.441 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.01 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

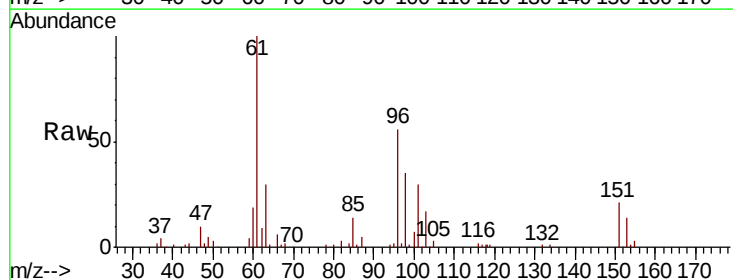
Tgt Ion: 96 Resp: 63207

Ion Ratio Lower Upper

96 100

61 176.8 141.2 211.8

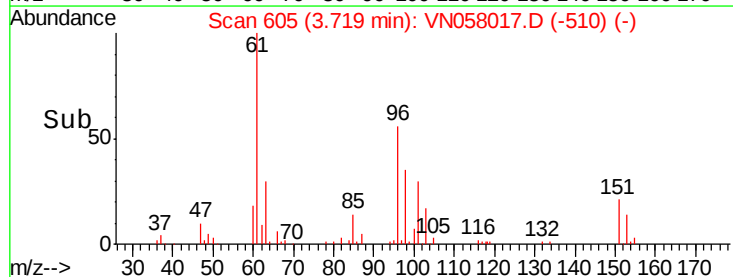
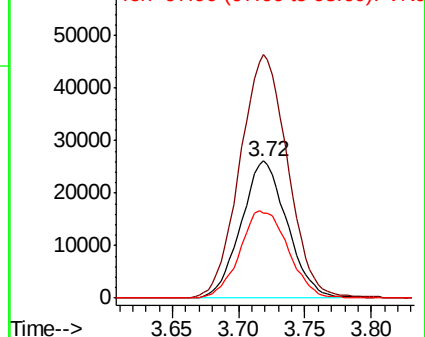
98 62.2 49.9 74.9

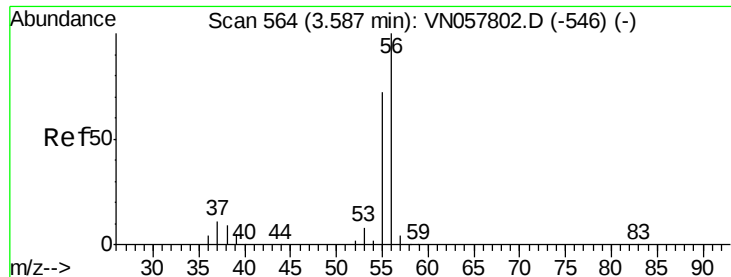


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 8.096 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.02 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

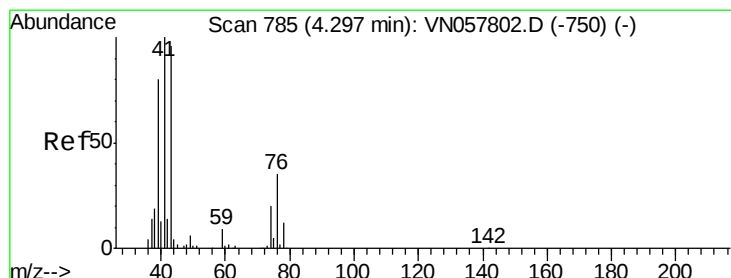
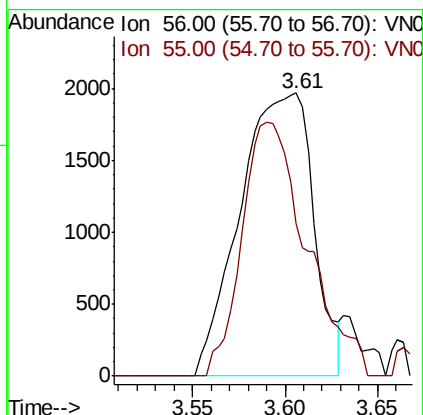
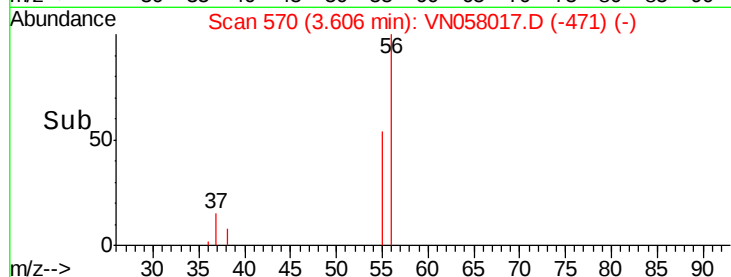
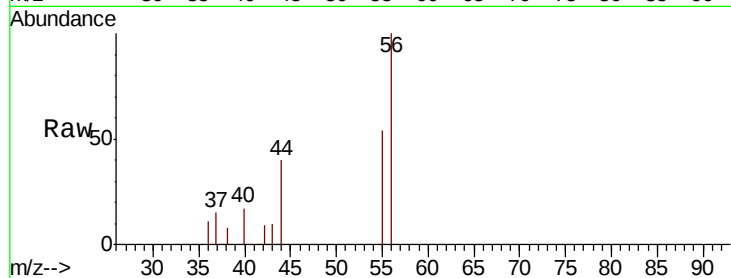
VN0914WBSD02

Tgt Ion: 56 Resp: 5420

Ion Ratio Lower Upper

56 100

55 79.1 57.3 85.9



#14

Allyl chloride

Concen: 18.445 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

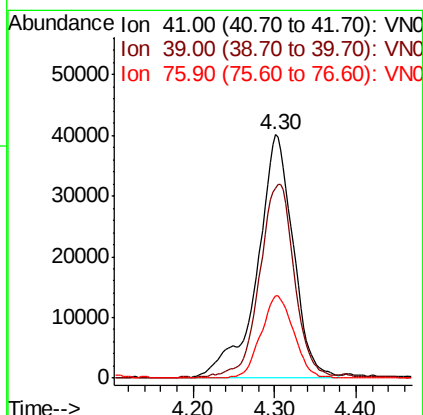
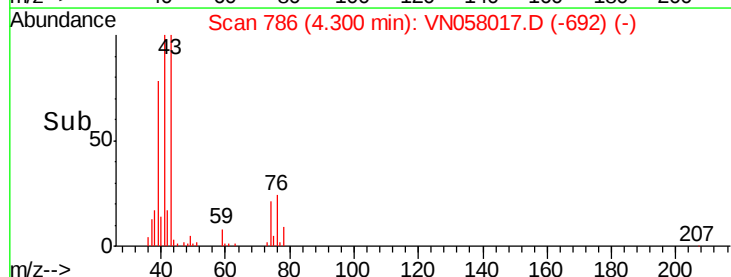
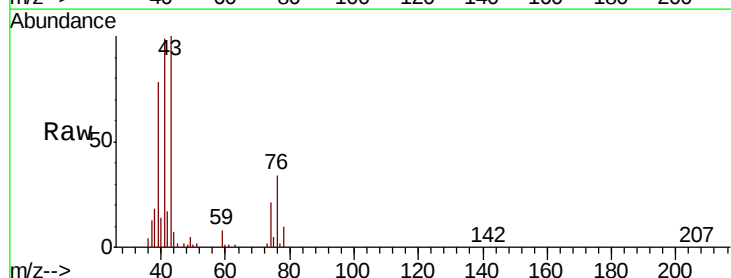
Tgt Ion: 41 Resp: 123727

Ion Ratio Lower Upper

41 100

39 77.3 59.4 89.2

76 30.7 26.0 39.0





#15

Acrylonitrile

Concen: 100.171 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

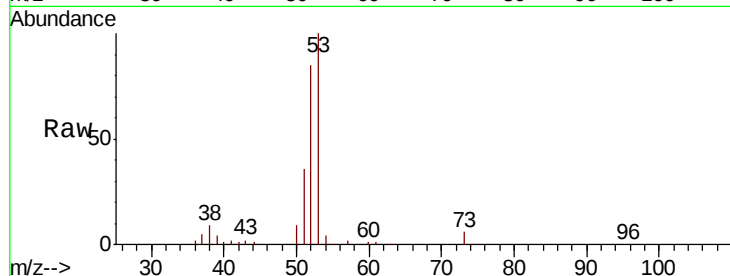
Tgt Ion: 53 Resp: 217260

Ion Ratio Lower Upper

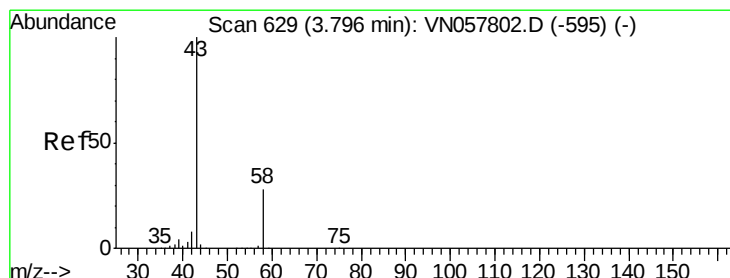
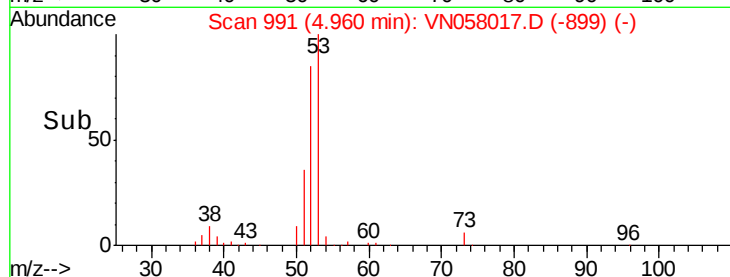
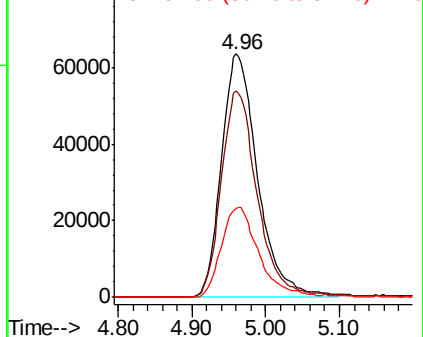
53 100

52 84.0 66.6 100.0

51 38.2 29.8 44.8



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: 85.767 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058017.D

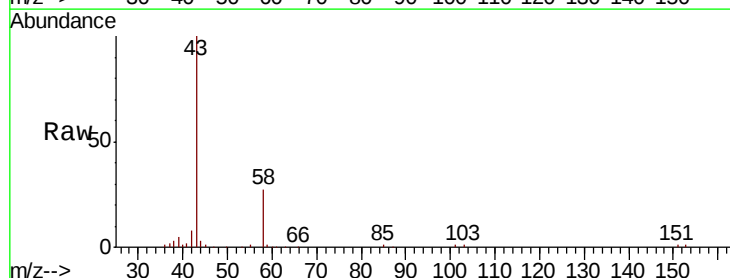
Acq: 13 Sep 2019 14:36

Tgt Ion: 43 Resp: 183308

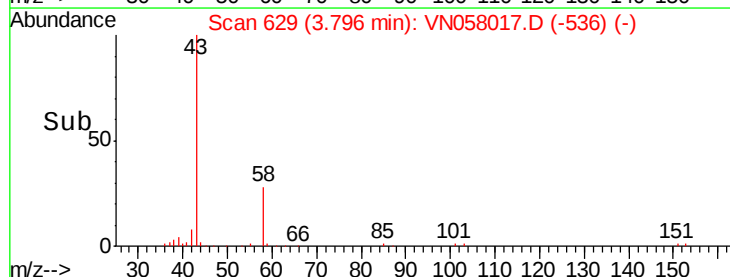
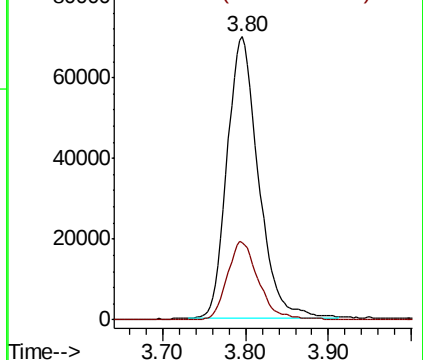
Ion Ratio Lower Upper

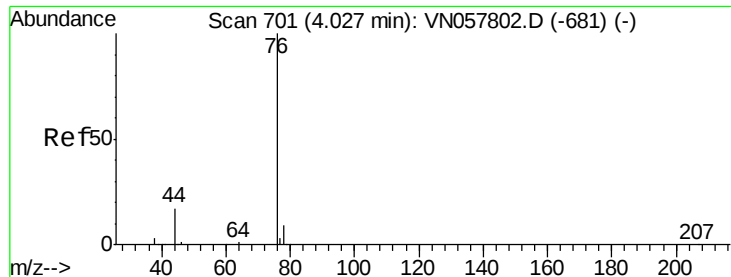
43 100

58 27.6 22.2 33.2



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





#17

Carbon Disulfide

Concen: 16.437 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

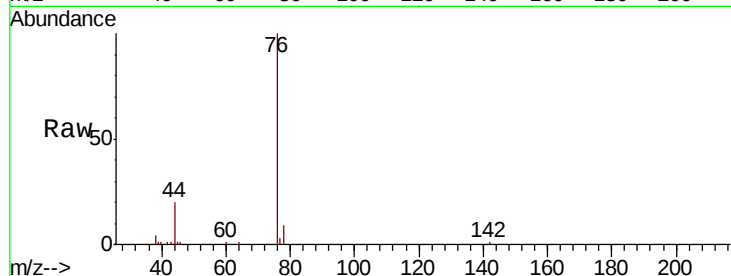
VN0914WBSD02

Tgt Ion: 76 Resp: 87116

Ion Ratio Lower Upper

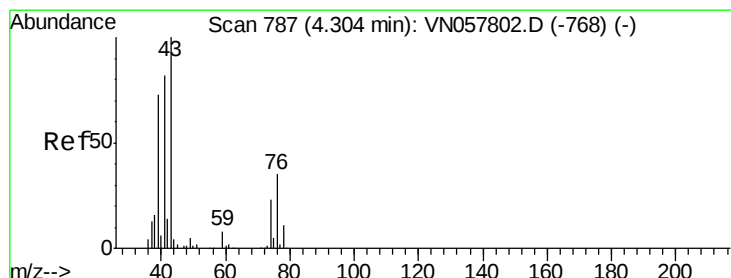
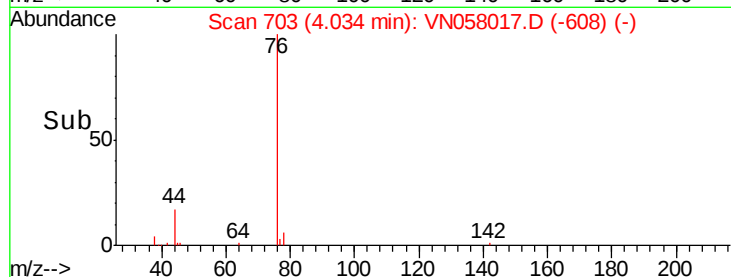
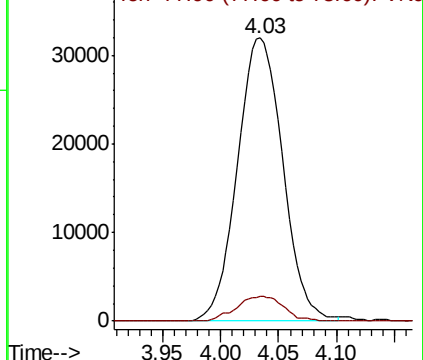
76 100

78 8.8 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.233 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058017.D

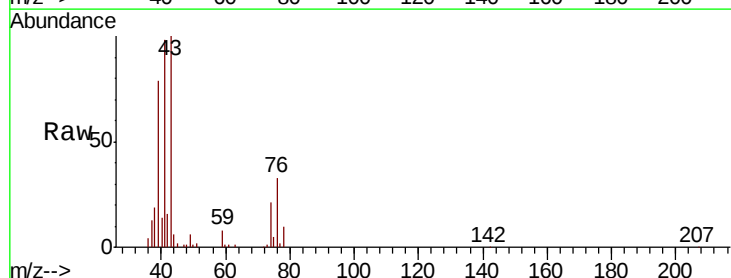
Acq: 13 Sep 2019 14:36

Tgt Ion: 43 Resp: 120996

Ion Ratio Lower Upper

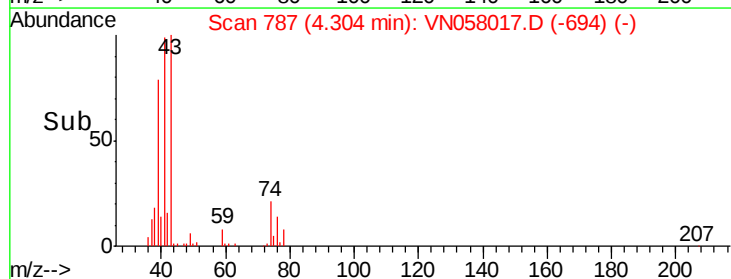
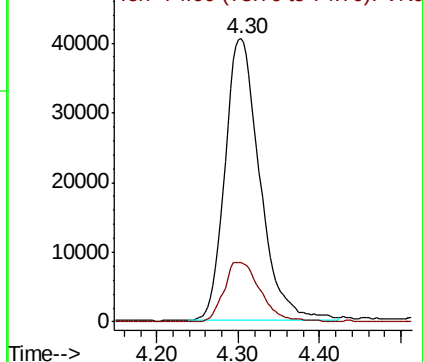
43 100

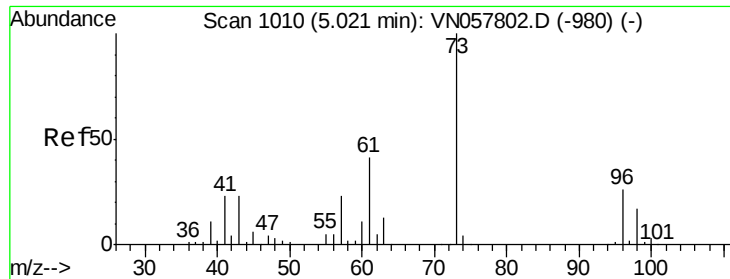
74 22.1 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

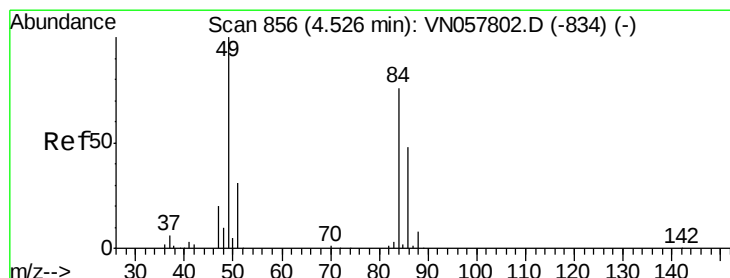
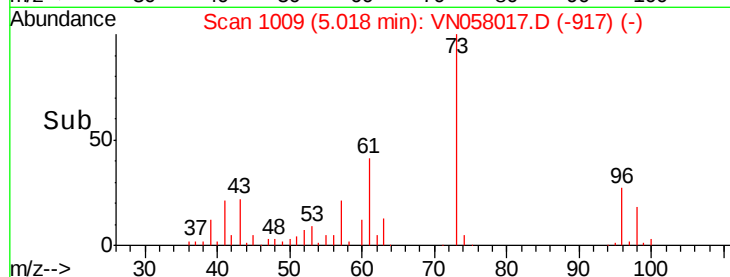
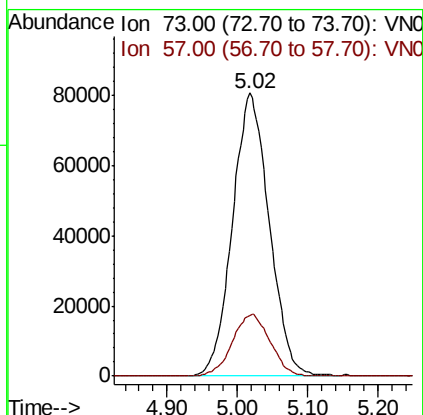
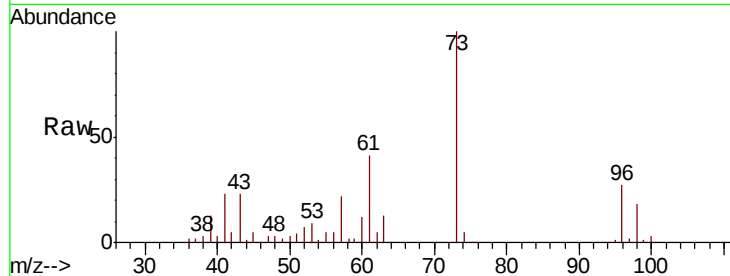




#19
Methyl tert-butyl Ether
Concen: 20.563 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

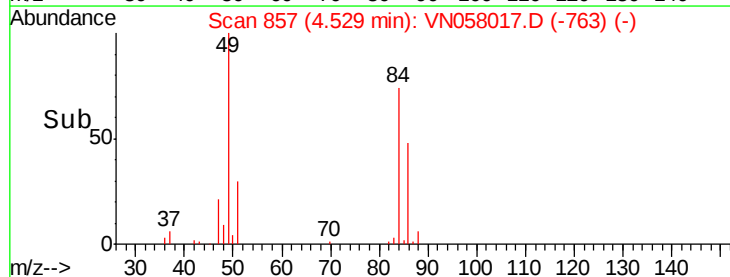
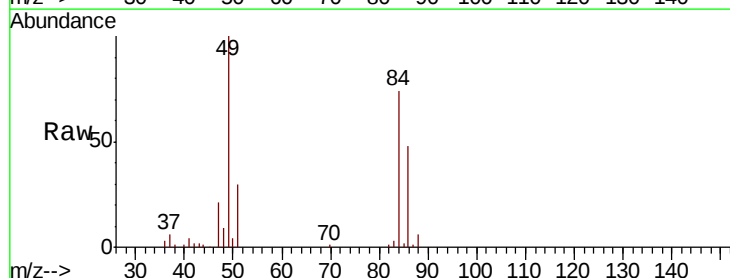
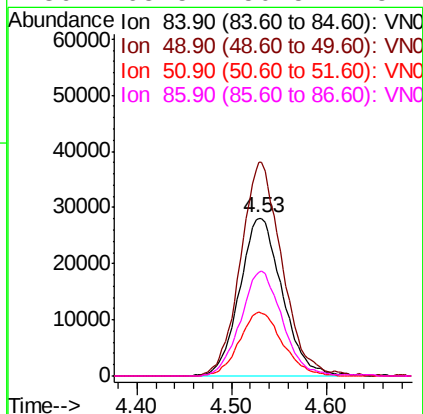
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

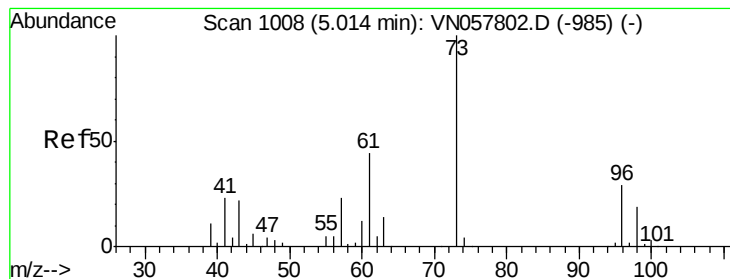
Tgt Ion: 73 Resp: 293315
Ion Ratio Lower Upper
73 100
57 21.6 18.2 27.2



#20
Methylene Chloride
Concen: 20.850 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Tgt Ion: 84 Resp: 87755
Ion Ratio Lower Upper
84 100
49 135.6 104.8 157.2
51 40.4 33.0 49.4
86 65.5 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 18.470 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

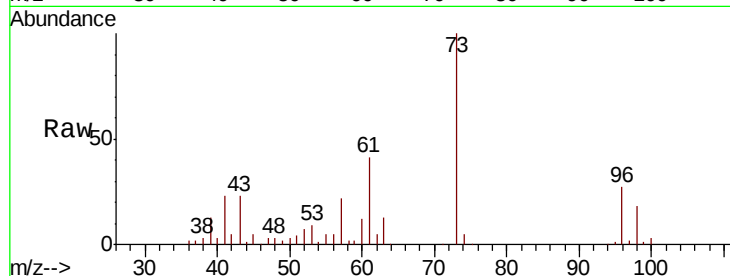
Tgt Ion: 96 Resp: 68434

Ion Ratio Lower Upper

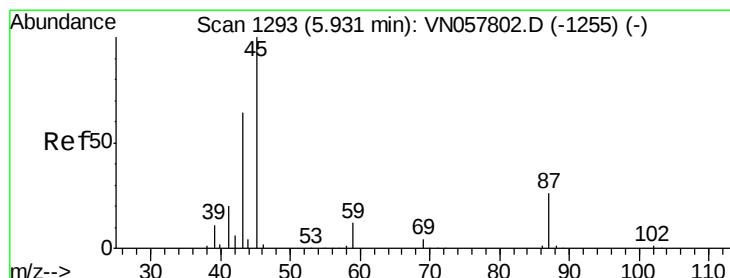
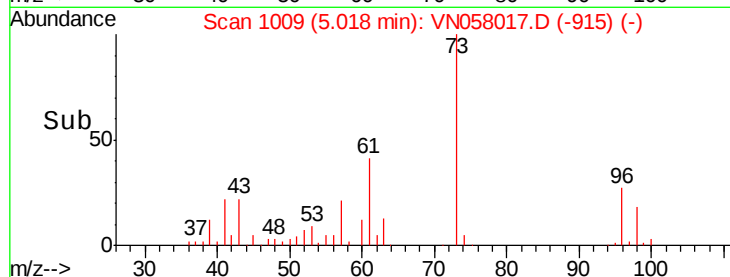
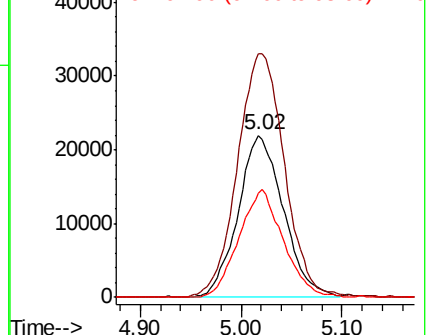
96 100

61 148.9 121.9 182.9

98 64.5 52.2 78.4



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



#22

Diisopropyl ether

Concen: 20.360 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Tgt Ion: 45 Resp: 320279

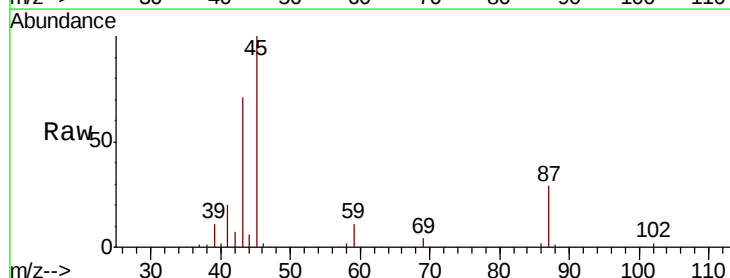
Ion Ratio Lower Upper

45 100

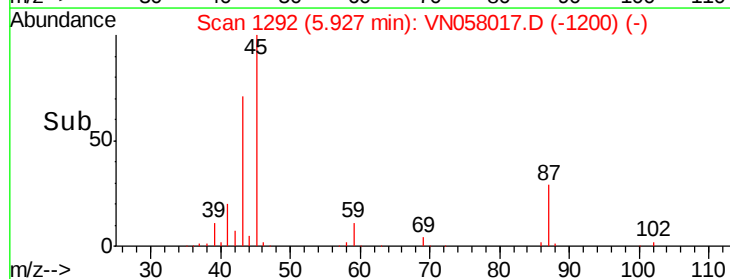
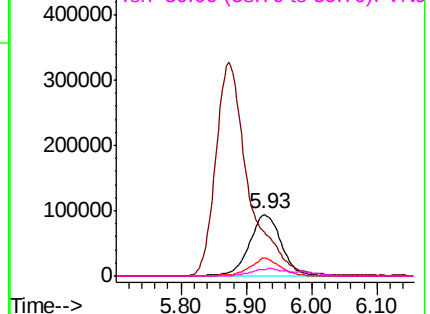
43 69.4 51.4 77.2

87 29.0 21.3 31.9

59 11.1 9.3 13.9



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: 102.390 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

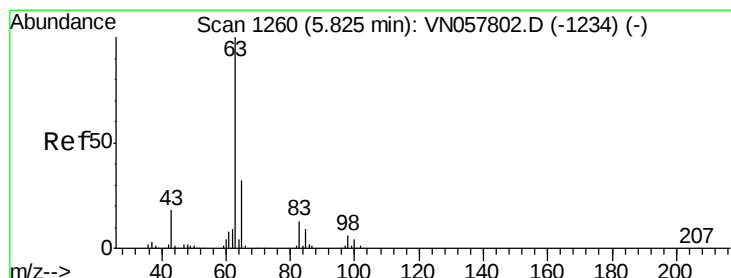
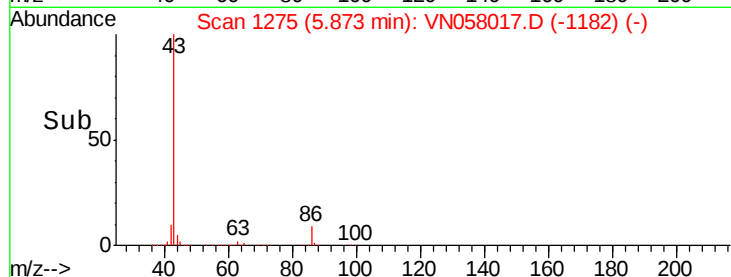
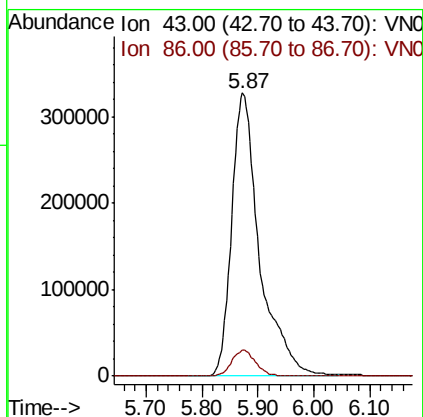
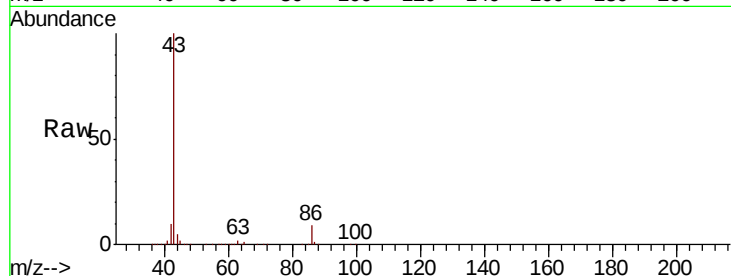
VN0914WBSD02

Tgt Ion: 43 Resp: 1141467

Ion Ratio Lower Upper

43 100

86 9.1 7.7 11.5



#24

1,1-Dichloroethane

Concen: 20.534 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

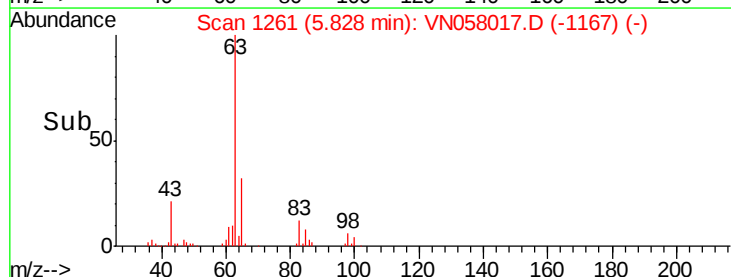
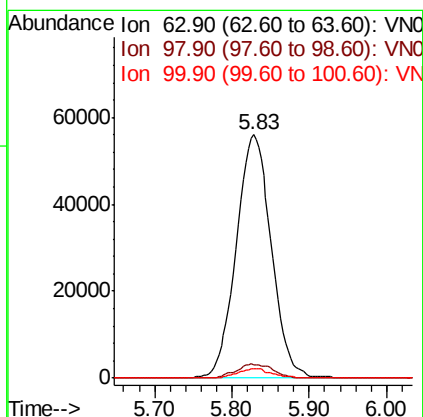
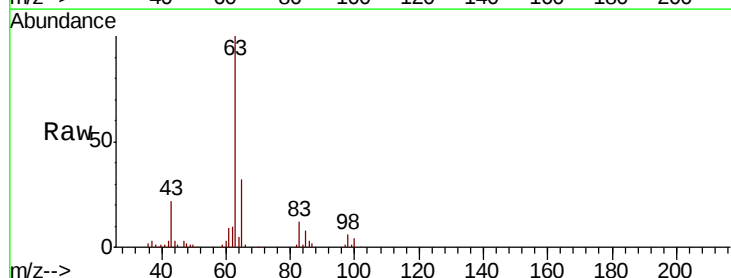
Tgt Ion: 63 Resp: 176529

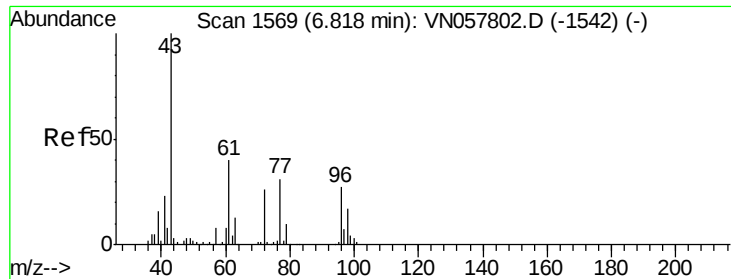
Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.2

100 3.9 2.0 5.8

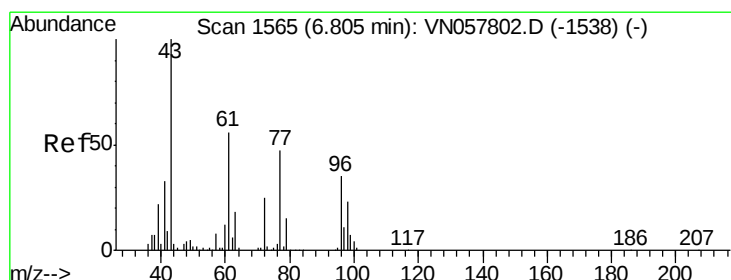
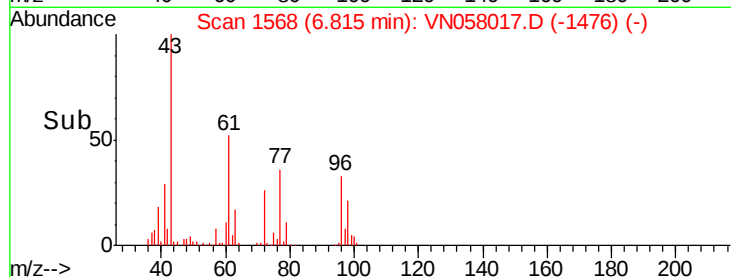
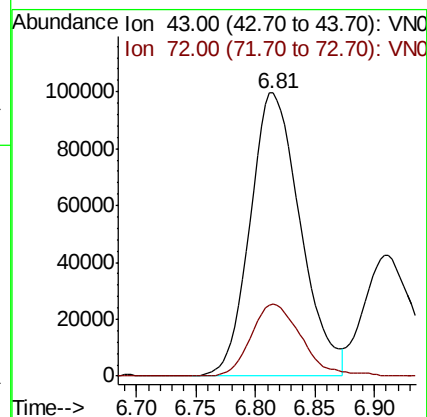
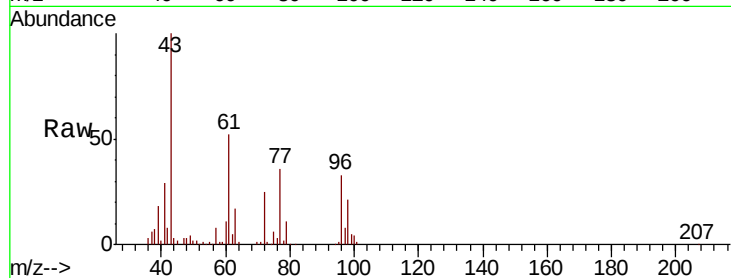




#25
 2-Butanone
 Concen: 94.049 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

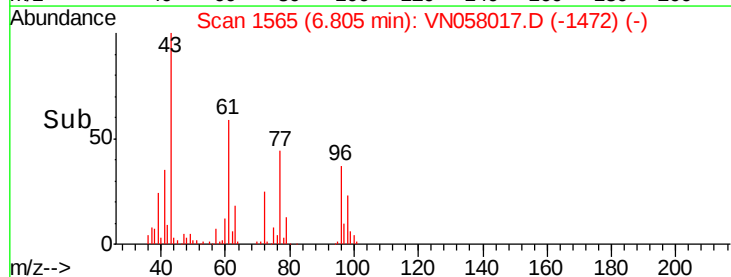
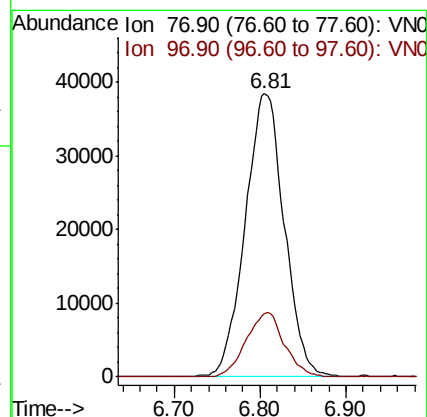
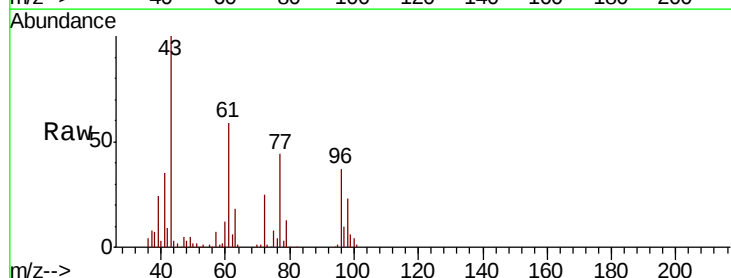
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

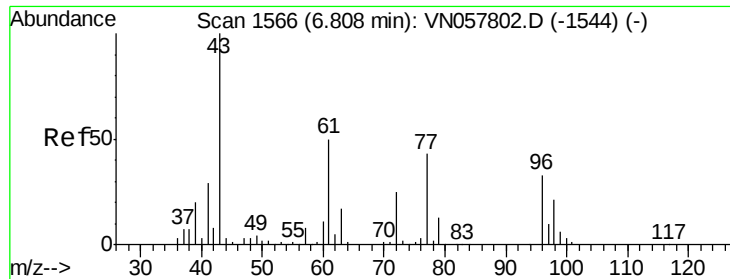
Tgt Ion: 43 Resp: 290929
 Ion Ratio Lower Upper
 43 100
 72 25.5 20.6 30.8



#26
 2,2-Dichloropropane
 Concen: 17.830 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Tgt Ion: 77 Resp: 121311
 Ion Ratio Lower Upper
 77 100
 97 22.2 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 19.697 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

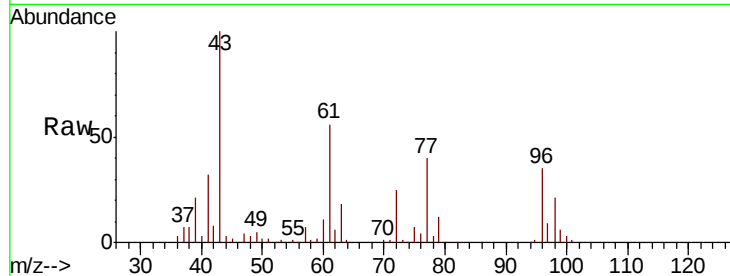
Tgt Ion: 96 Resp: 97807

Ion Ratio Lower Upper

96 100

61 158.5 0.0 314.0

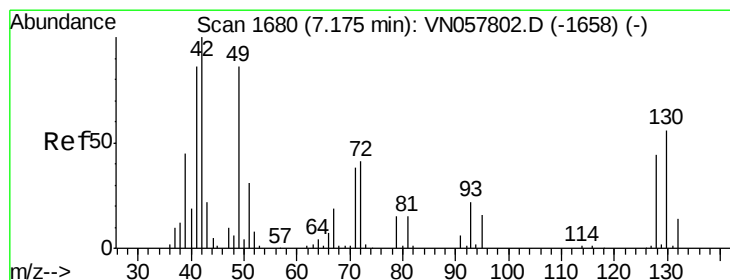
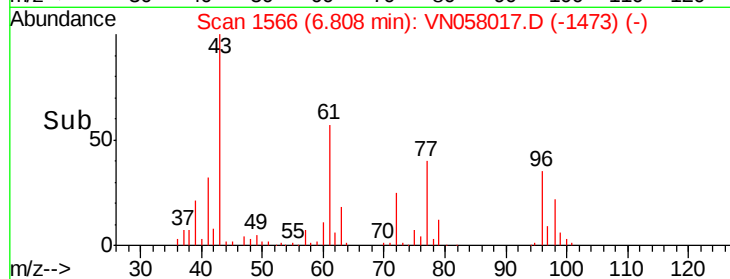
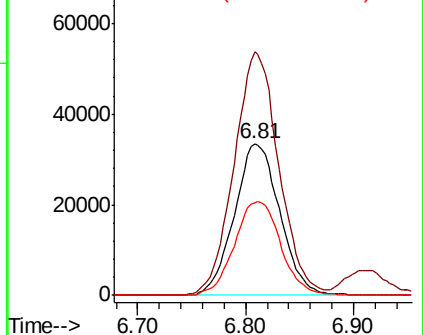
98 63.1 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.848 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

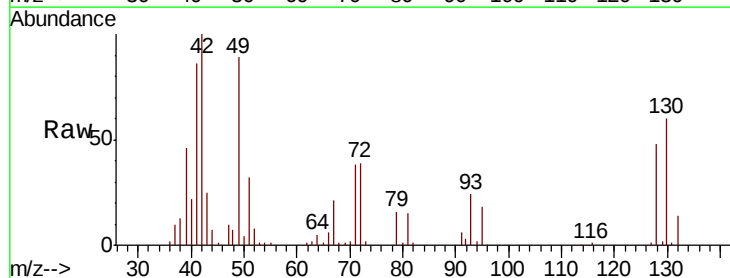
Tgt Ion: 49 Resp: 93837

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

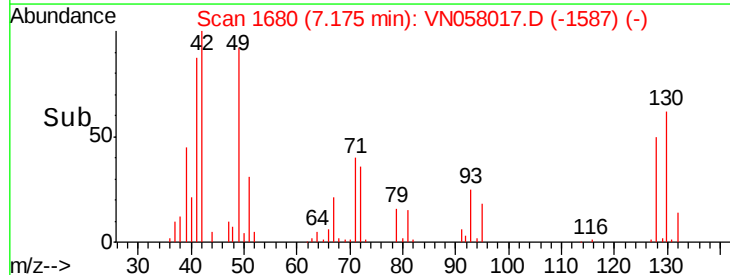
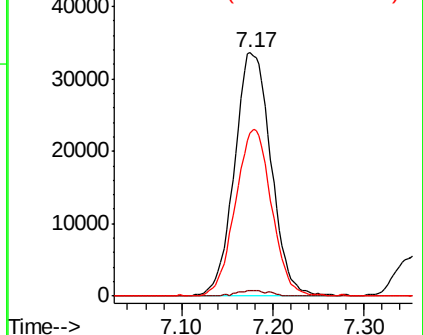
130 67.7 53.0 79.6

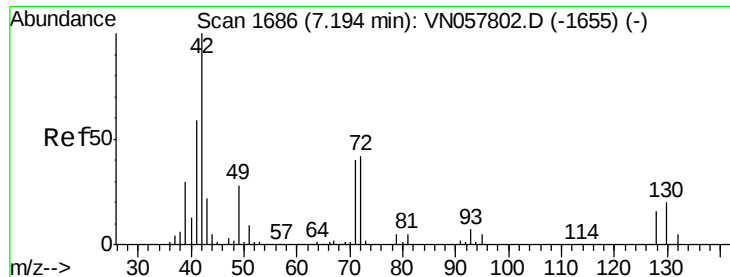


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 97.638 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampled :

VN0914WBSD02

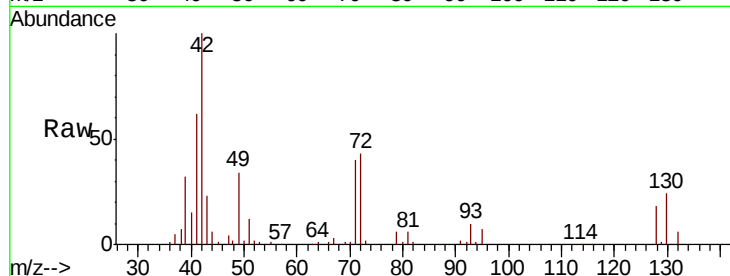
Tgt Ion: 42 Resp: 186113

Ion Ratio Lower Upper

42 100

72 42.2 33.7 50.5

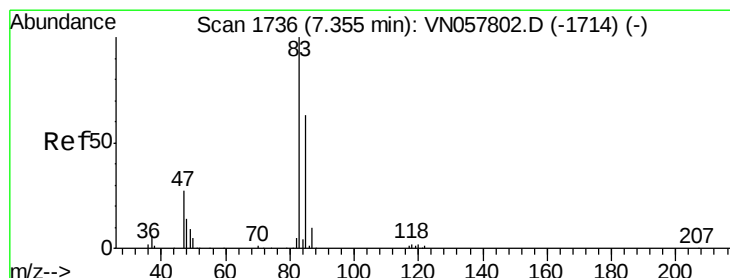
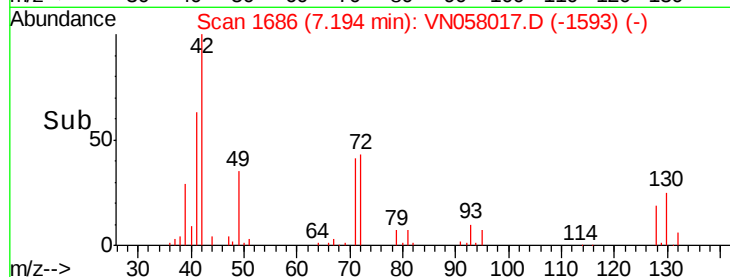
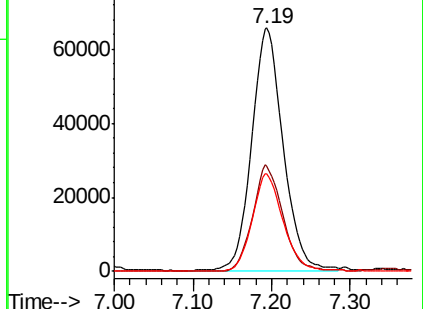
71 39.2 31.9 47.9



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: 20.304 ug/l

RT: 7.36 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VN058017.D

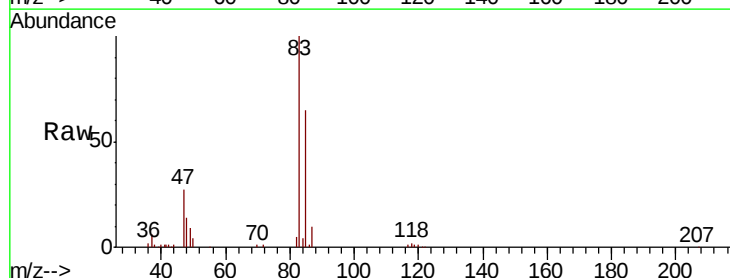
Acq: 13 Sep 2019 14:36

Tgt Ion: 83 Resp: 182514

Ion Ratio Lower Upper

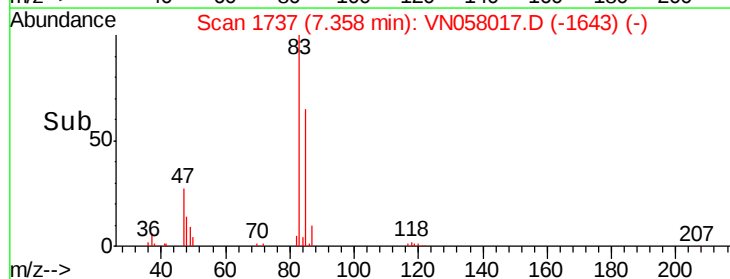
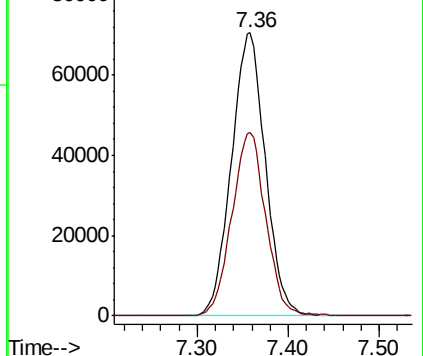
83 100

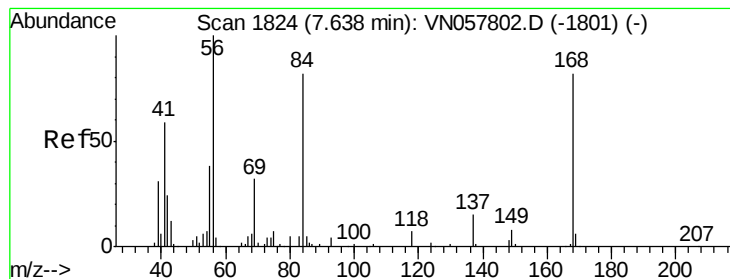
85 64.7 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.476 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

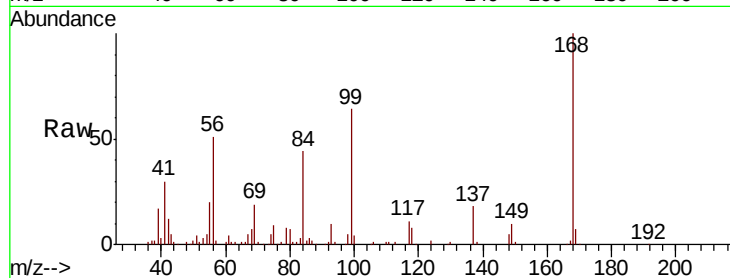
Tgt Ion: 56 Resp: 122099

Ion Ratio Lower Upper

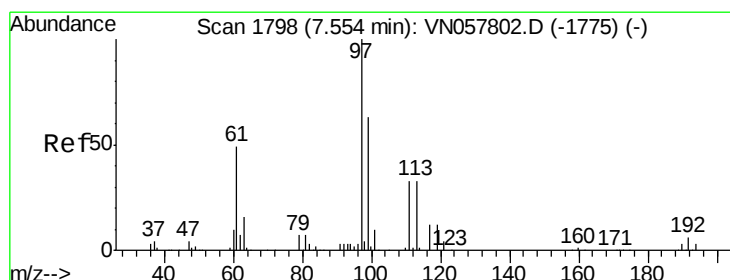
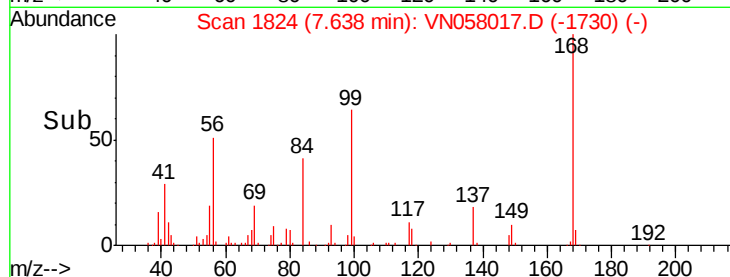
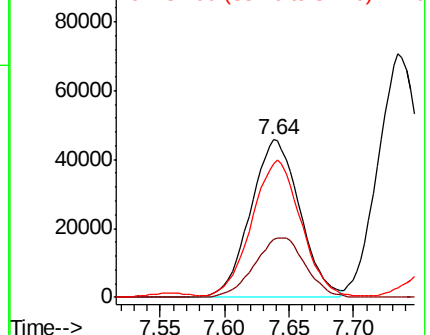
56 100

69 36.4 25.9 38.9

84 83.7 65.6 98.4



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: 19.450 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

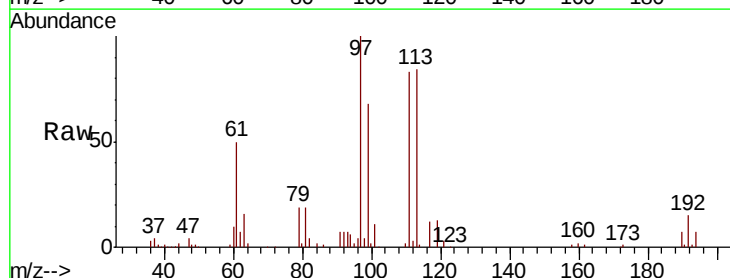
Tgt Ion: 97 Resp: 138665

Ion Ratio Lower Upper

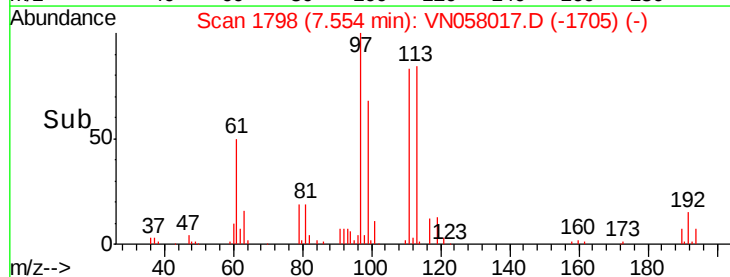
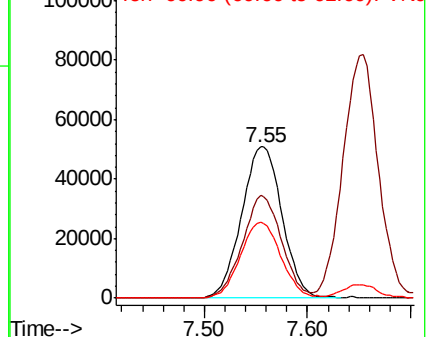
97 100

99 65.6 51.0 76.4

61 49.9 39.0 58.6



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

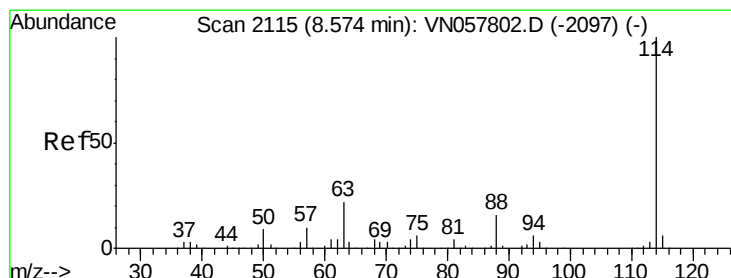
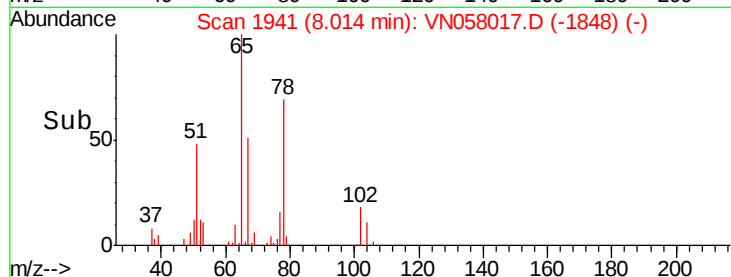
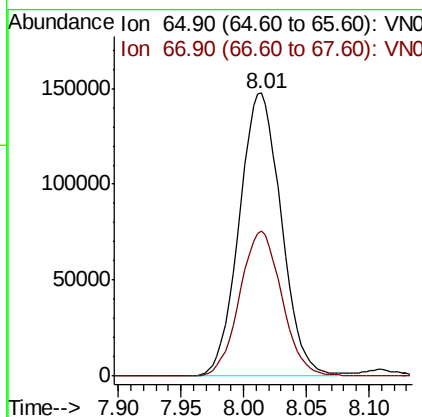
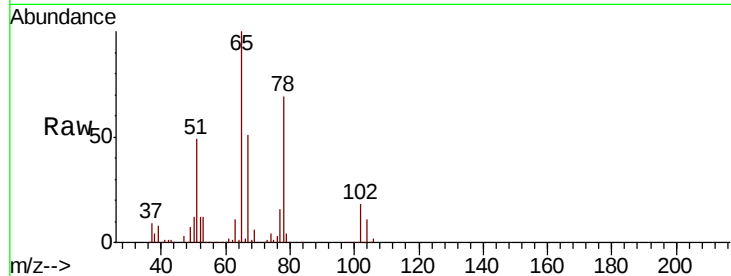




#33
 1,2-Dichloroethane-d4
 Concen: 52.783 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

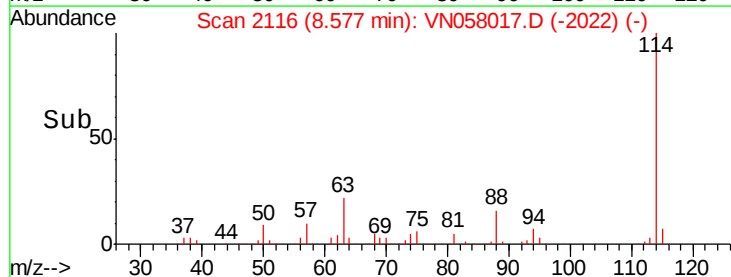
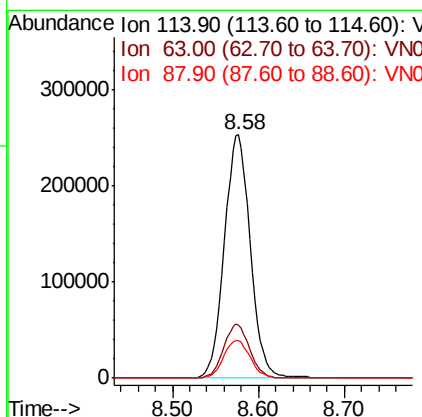
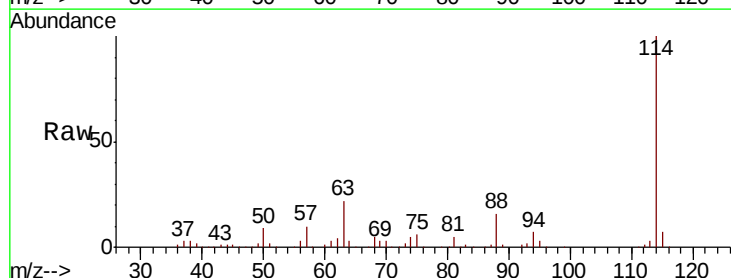
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

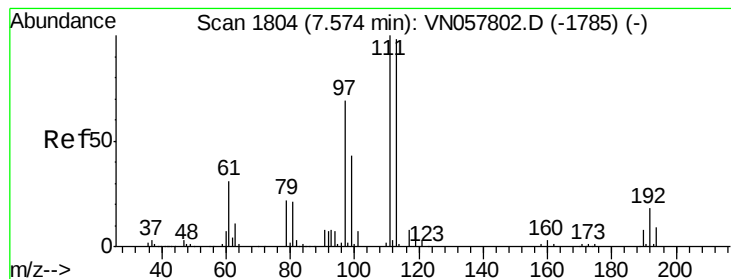
Tgt Ion: 65 Resp: 344127
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Tgt Ion: 114 Resp: 531432
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 44.0
 88 15.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.689 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampled :

VN0914WBSD02

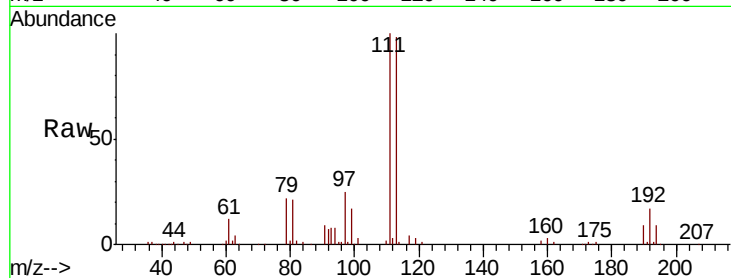
Tgt Ion: 113 Resp: 248627

Ion Ratio Lower Upper

113 100

111 100.7 81.3 121.9

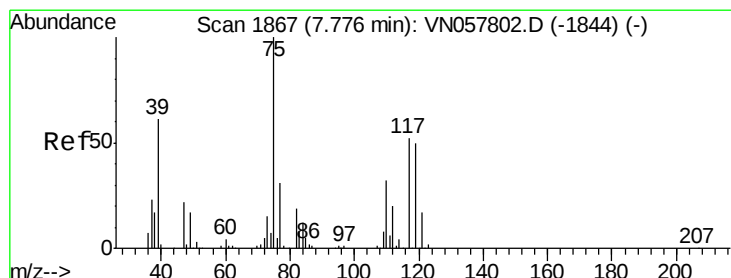
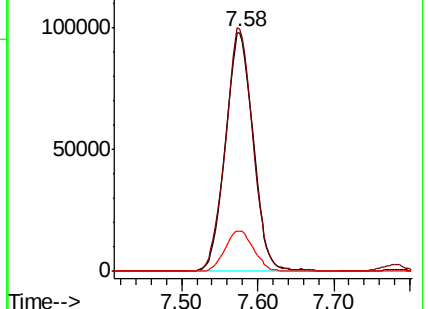
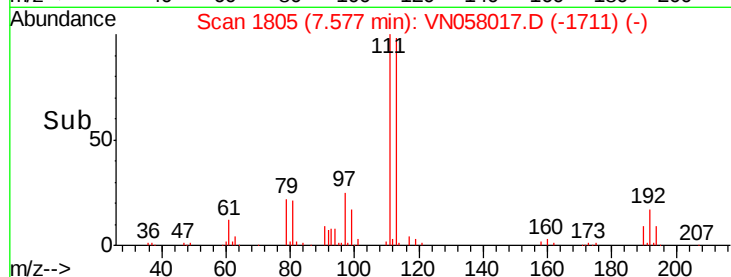
192 17.5 14.6 22.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.529 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

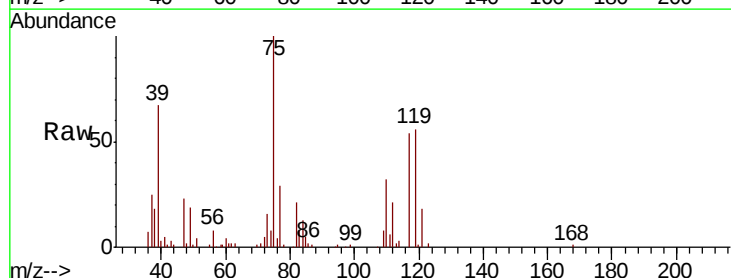
Tgt Ion: 75 Resp: 114197

Ion Ratio Lower Upper

75 100

110 31.0 16.3 48.9

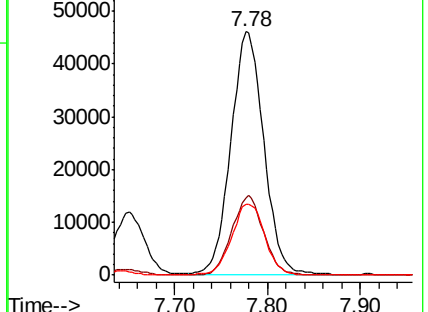
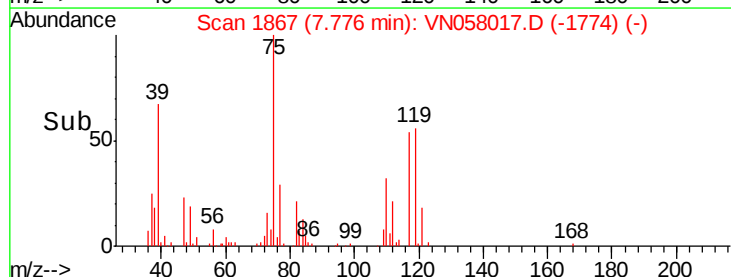
77 29.2 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

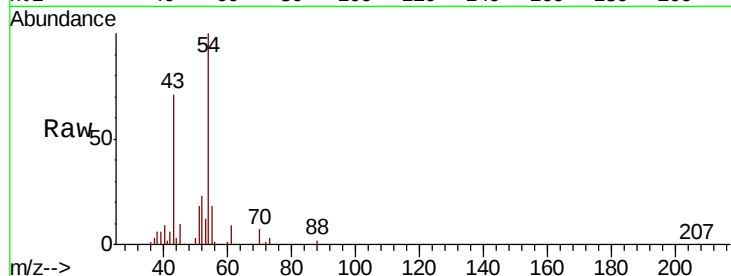




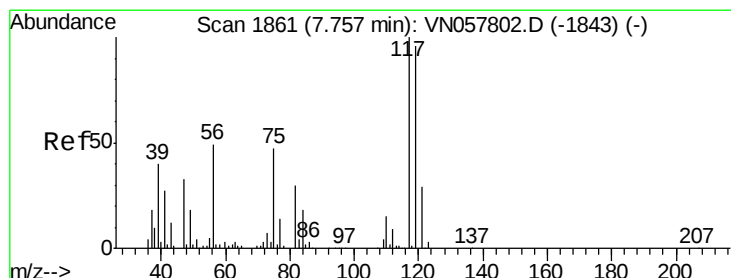
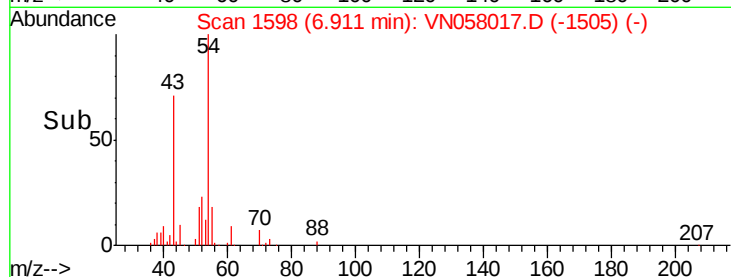
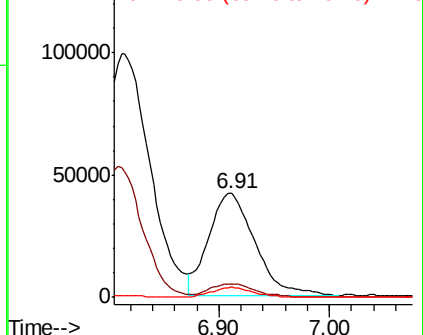
#37
Ethyl Acetate
Concen: 19.182 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

Tgt Ion: 43 Resp: 122146
Ion Ratio Lower Upper
43 100
61 12.0 10.5 15.7
70 8.7 7.4 11.0

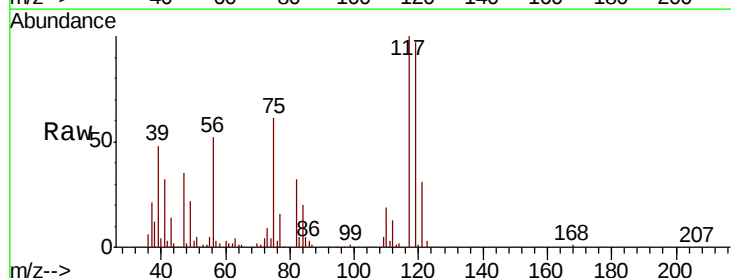


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

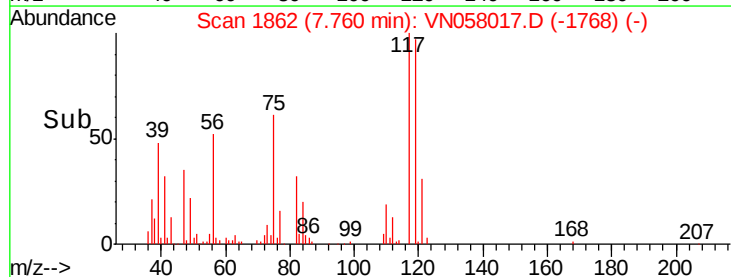
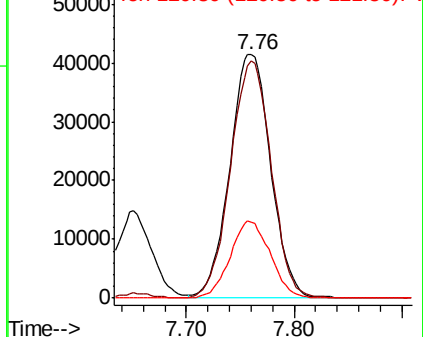


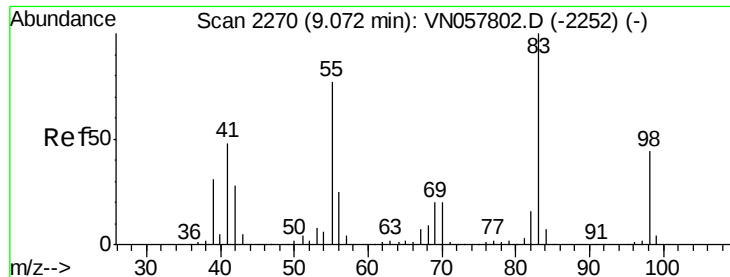
#38
Carbon Tetrachloride
Concen: 19.341 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Tgt Ion: 117 Resp: 108832
Ion Ratio Lower Upper
117 100
119 97.4 76.9 115.3
121 31.4 23.4 35.2



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

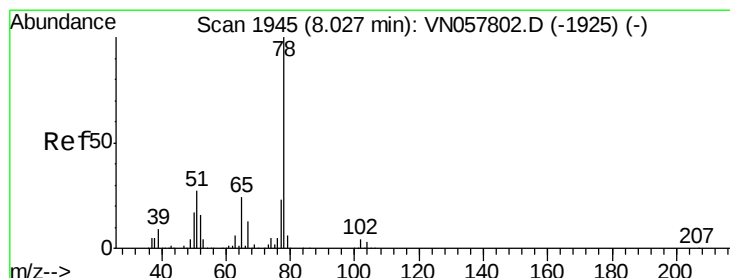
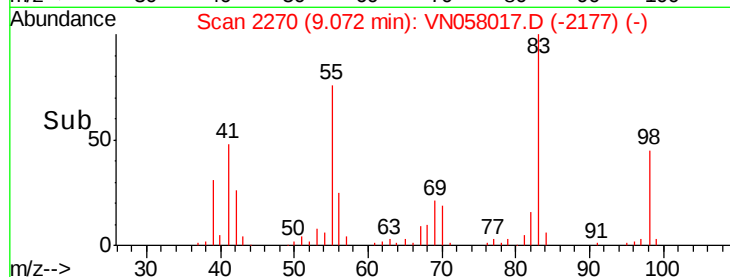
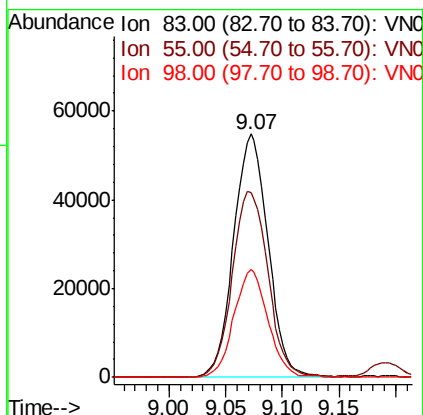
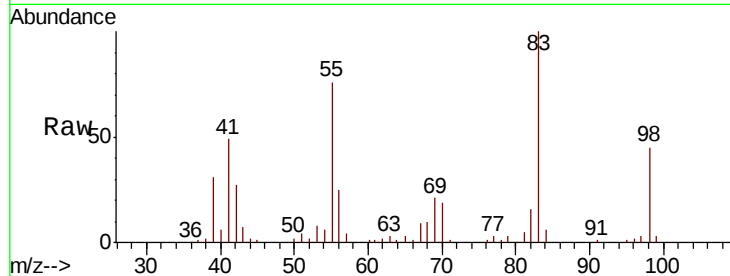




#39
Methylcyclohexane
Concen: 17.959 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

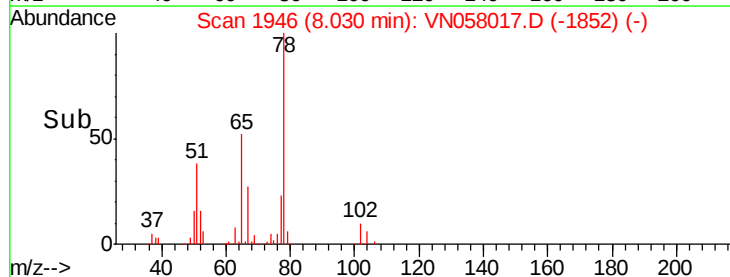
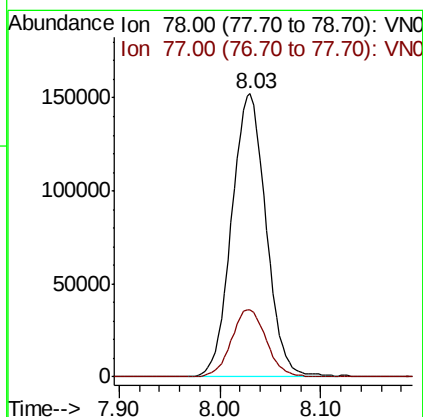
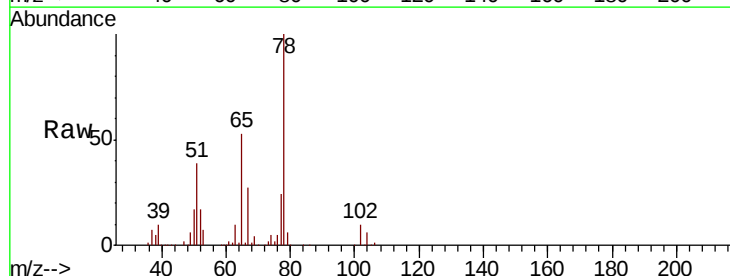
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

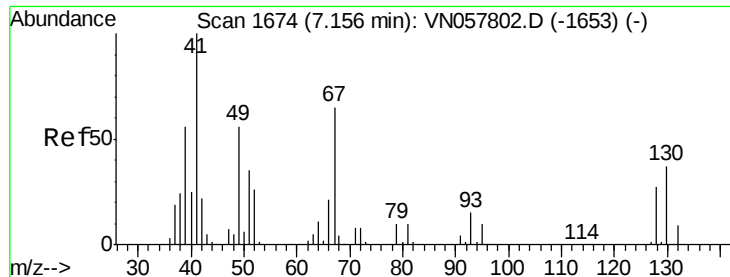
Tgt Ion: 83 Resp: 116353
Ion Ratio Lower Upper
83 100
55 75.8 61.6 92.4
98 44.6 34.9 52.3



#40
Benzene
Concen: 19.437 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Tgt Ion: 78 Resp: 360668
Ion Ratio Lower Upper
78 100
77 23.6 18.3 27.5

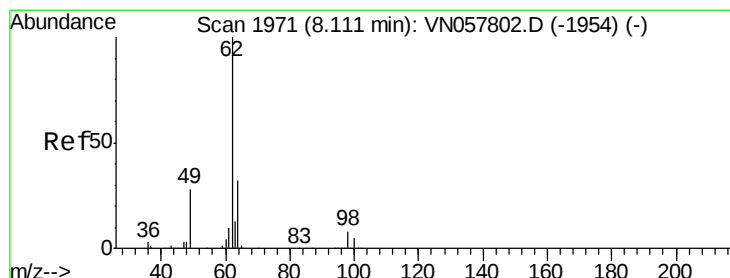
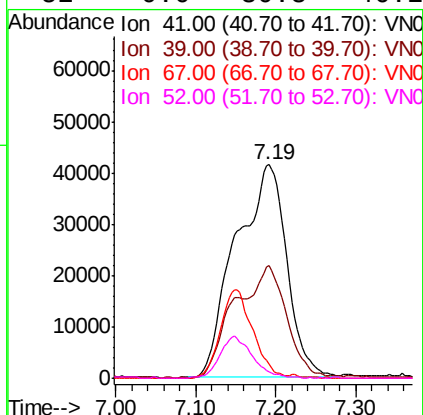
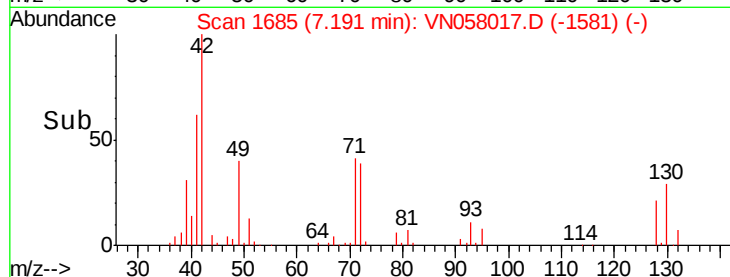
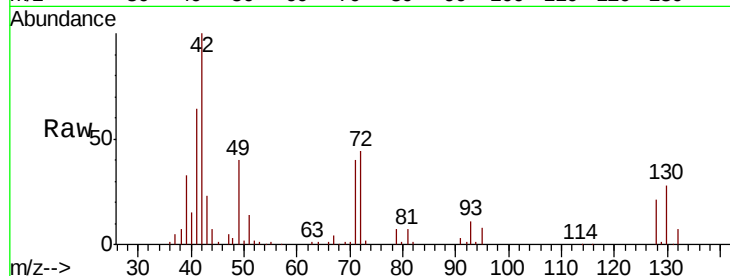




#41
Methacrylonitrile
Concen: 62.704 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

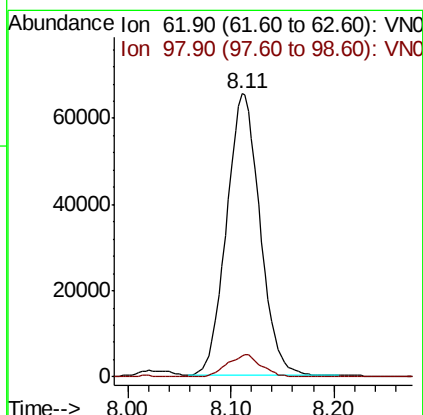
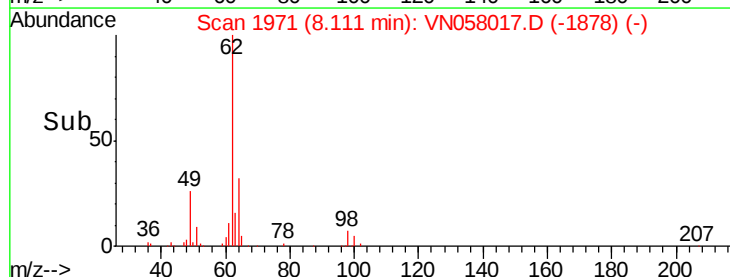
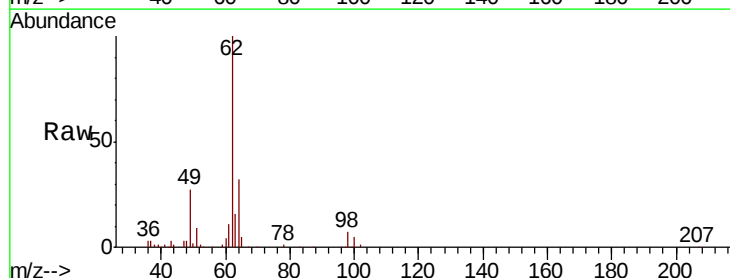
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

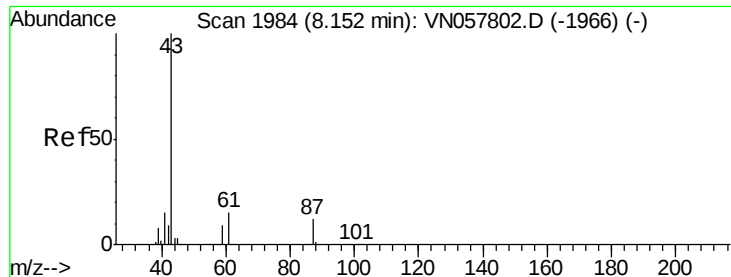
Tgt Ion: 41 Resp: 181247
Ion Ratio Lower Upper
41 100
39 0.0 51.0 76.6#
67 0.0 70.7 106.1#
52 0.0 30.8 46.2#



#42
1,2-Dichloroethane
Concen: 19.909 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Tgt Ion: 62 Resp: 147744
Ion Ratio Lower Upper
62 100
98 7.9 0.0 15.8





#43

Isopropyl Acetate

Concen: 20.304 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

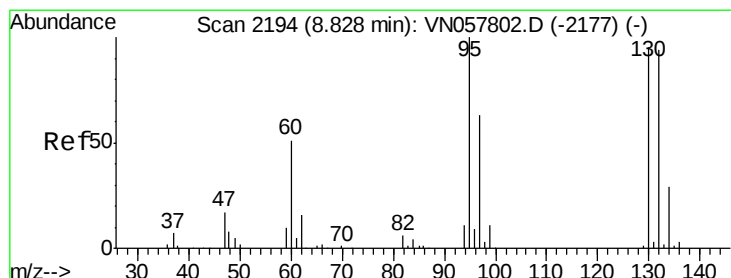
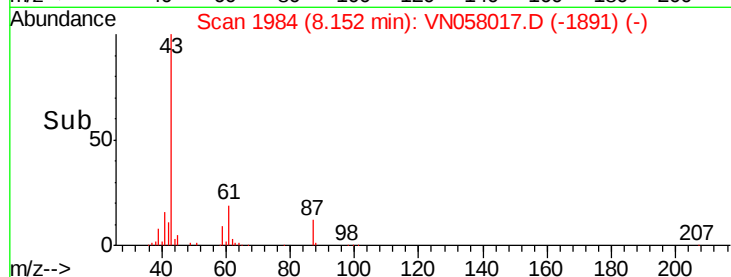
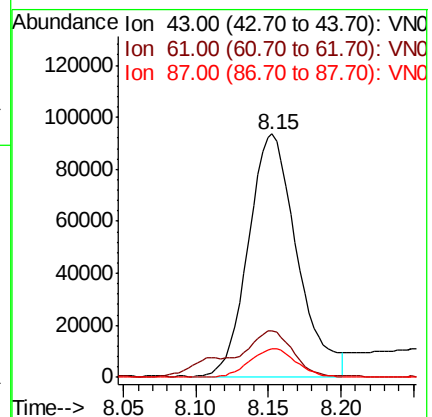
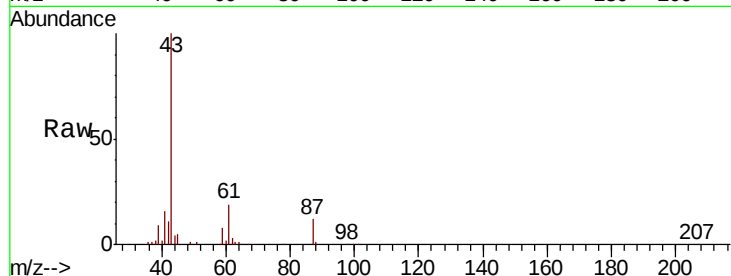
Tgt Ion: 43 Resp: 217422

Ion Ratio Lower Upper

43 100

61 17.0 20.1 30.1#

87 11.6 9.5 14.3



#44

Trichloroethene

Concen: 19.044 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN058017.D

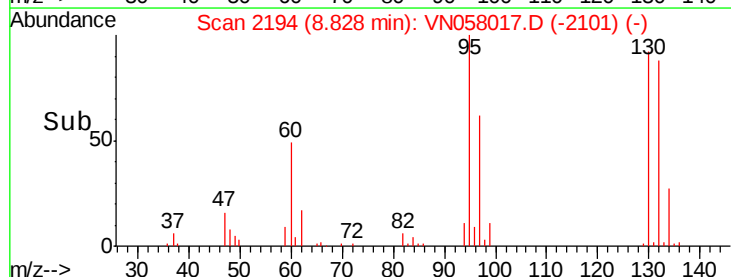
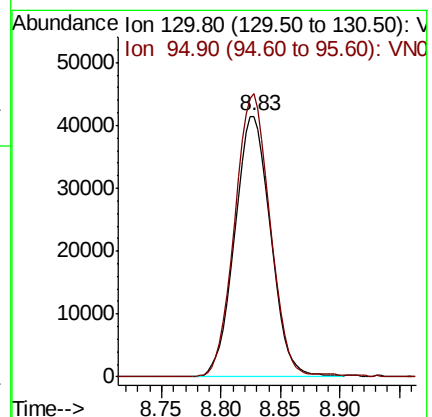
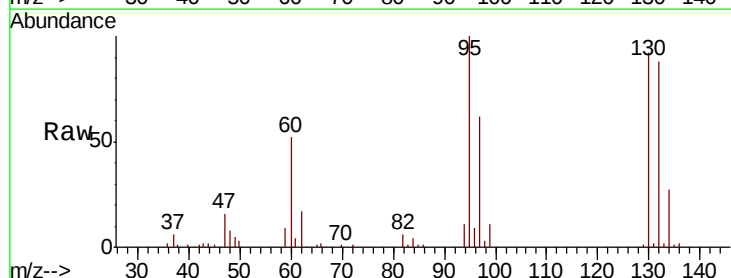
Acq: 13 Sep 2019 14:36

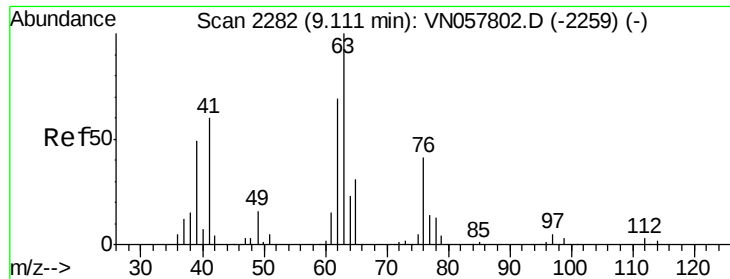
Tgt Ion: 130 Resp: 86671

Ion Ratio Lower Upper

130 100

95 108.6 0.0 211.4

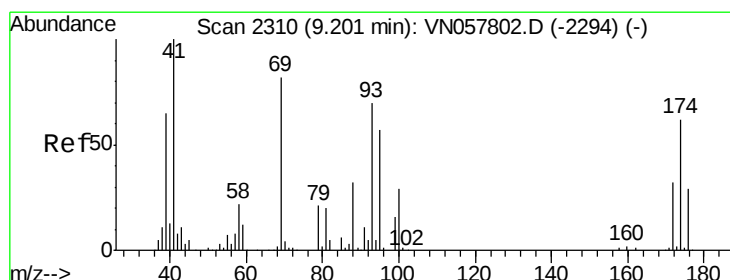
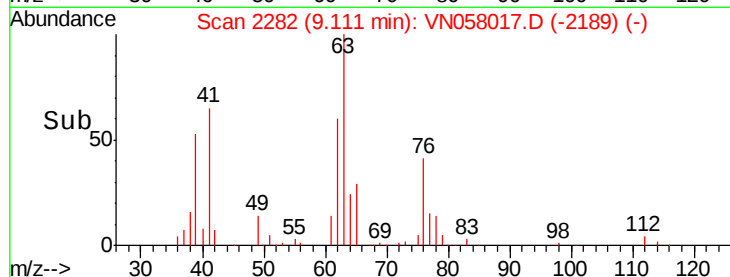
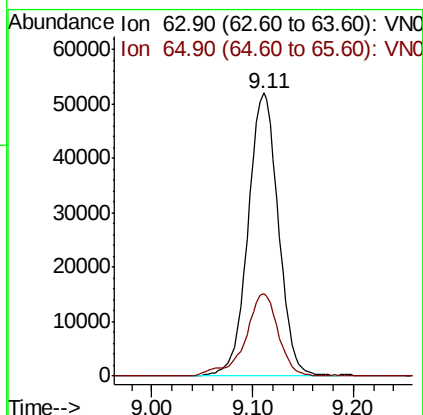
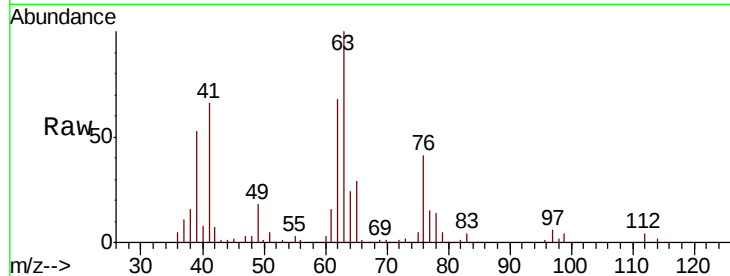




#45
 1,2-Dichloropropane
 Concen: 19.982 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

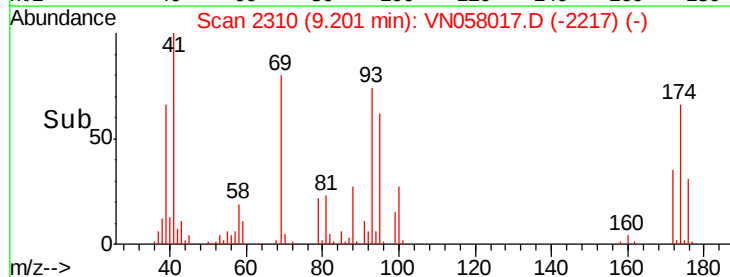
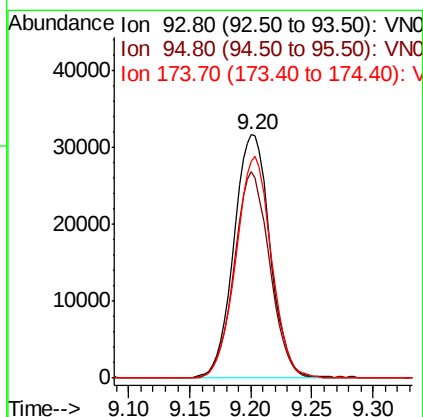
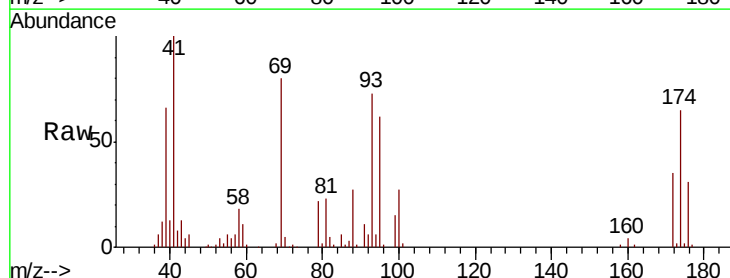
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

Tgt Ion: 63 Resp: 107891
 Ion Ratio Lower Upper
 63 100
 65 29.3 24.8 37.2



#46
 Dibromomethane
 Concen: 19.966 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Tgt Ion: 93 Resp: 65144
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.9 98.9
 174 89.0 71.8 107.6

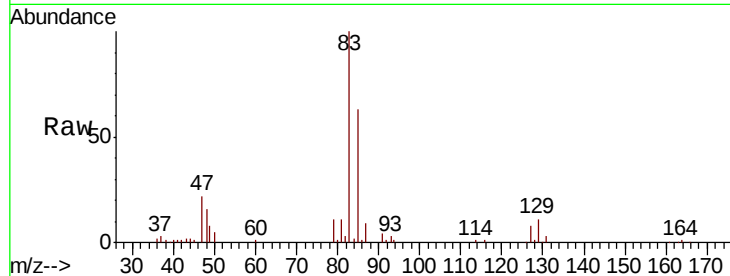




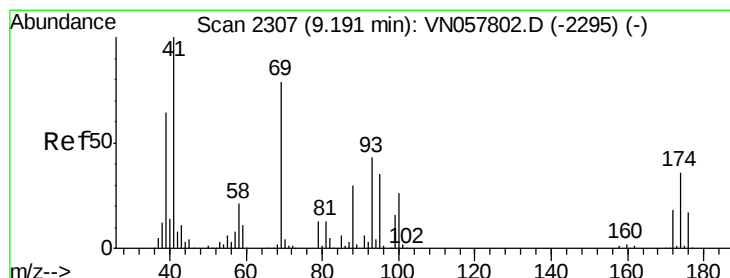
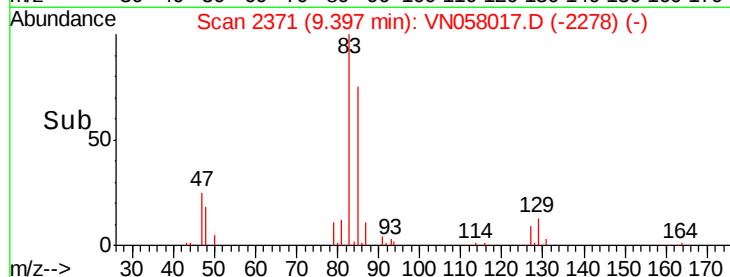
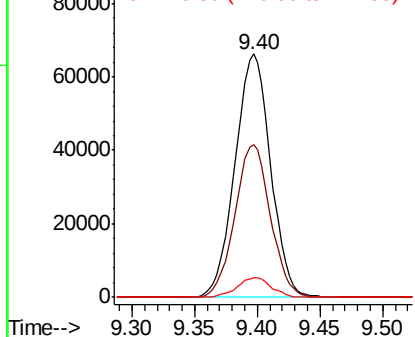
#47
 Bromodichloromethane
 Concen: 20.079 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

Tgt Ion: 83 Resp: 130820
 Ion Ratio Lower Upper
 83 100
 85 63.0 49.9 74.9
 127 8.0 6.5 9.7

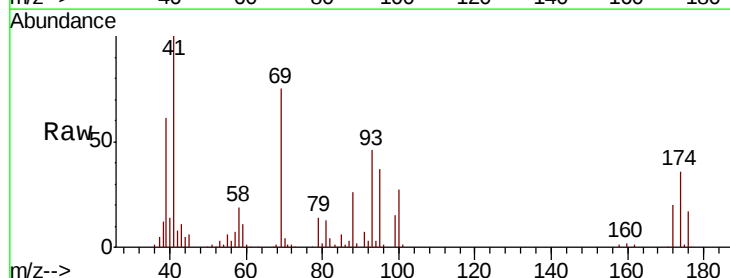


Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 126.80 (126.50 to 127.50): V

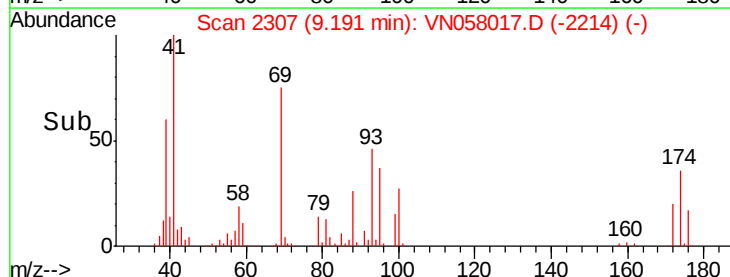
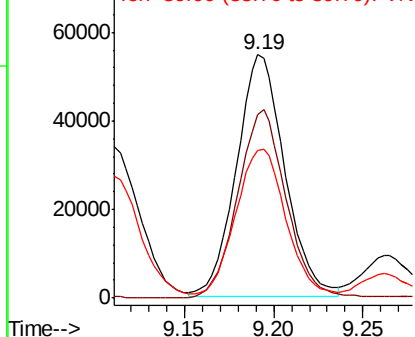


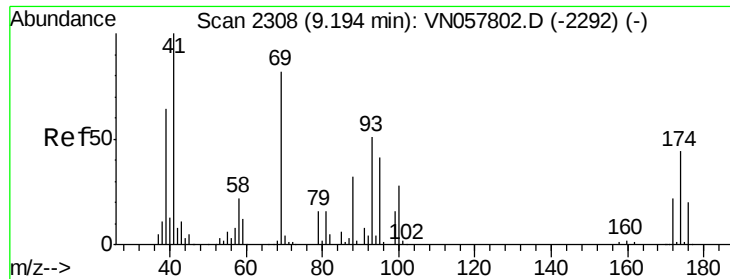
#48
 Methyl methacrylate
 Concen: 19.034 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Tgt Ion: 41 Resp: 103392
 Ion Ratio Lower Upper
 41 100
 69 78.1 62.7 94.1
 39 64.1 52.7 79.1



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

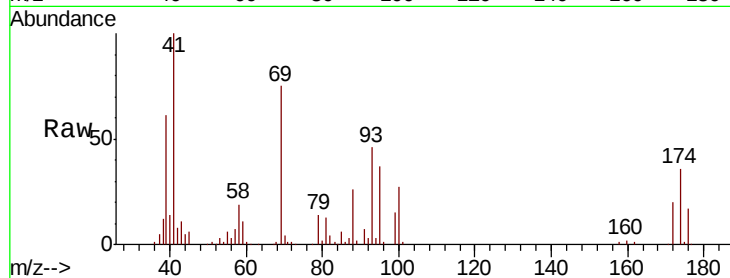




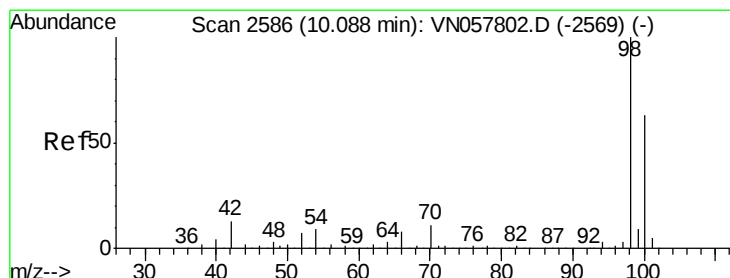
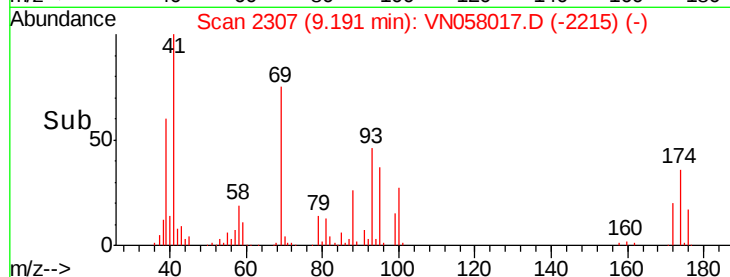
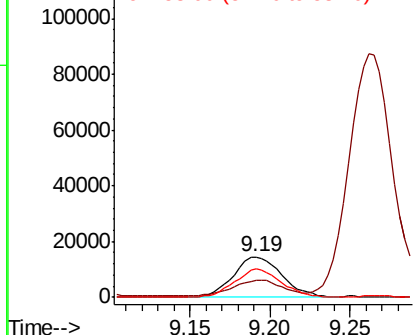
#49
1,4-Dioxane
Concen: 330.425 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

Tgt Ion: 88 Resp: 30353
Ion Ratio Lower Upper
88 100
43 37.5 28.5 42.7
58 67.0 55.8 83.6

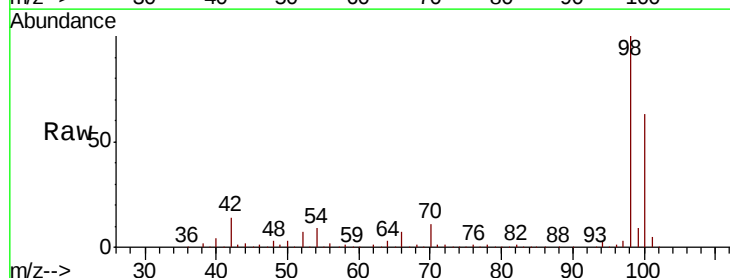


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

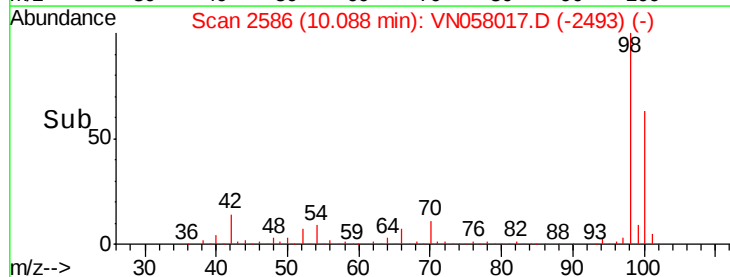
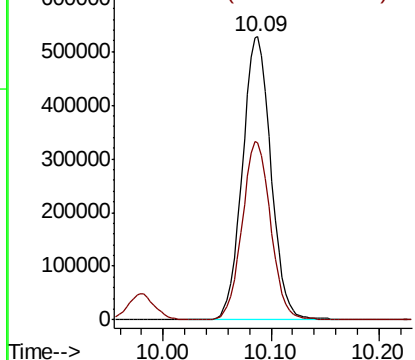


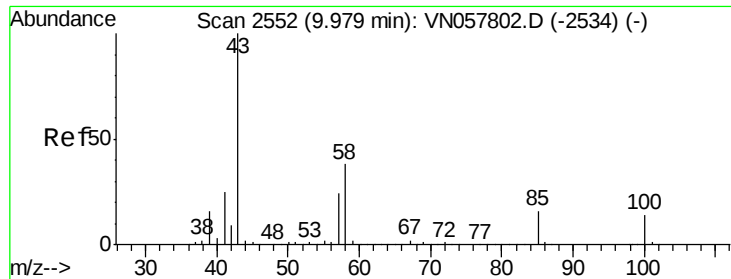
#50
Toluene-d8
Concen: 51.034 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Tgt Ion: 98 Resp: 971856
Ion Ratio Lower Upper
98 100
100 62.9 50.3 75.5



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: 101.952 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

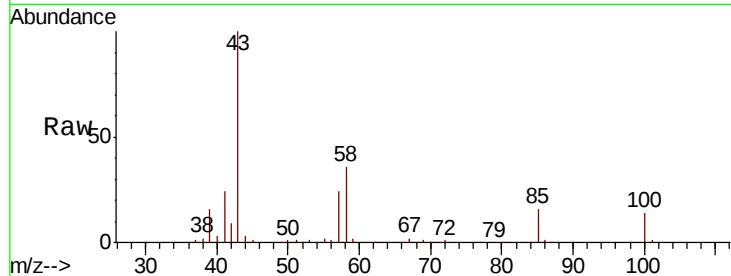
VN0914WBSD02

Tgt Ion: 43 Resp: 646064

Ion Ratio Lower Upper

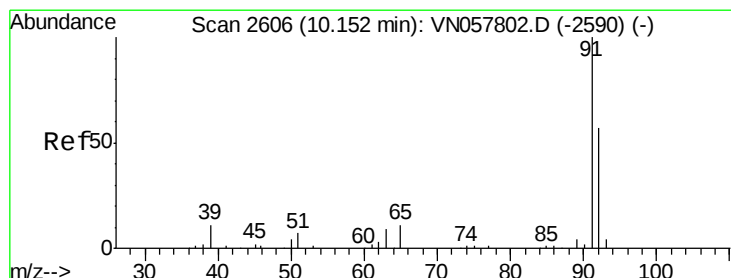
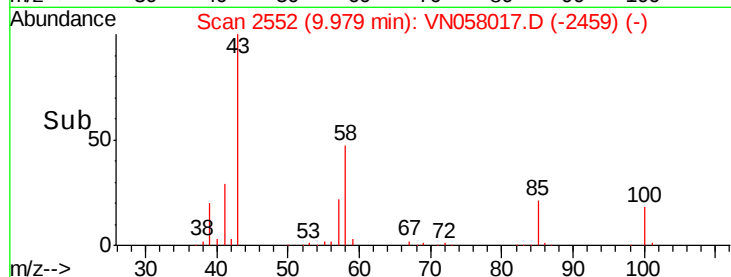
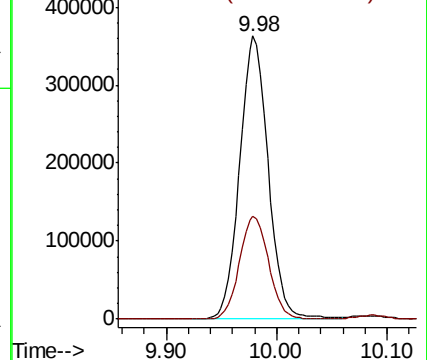
43 100

58 37.3 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.481 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058017.D

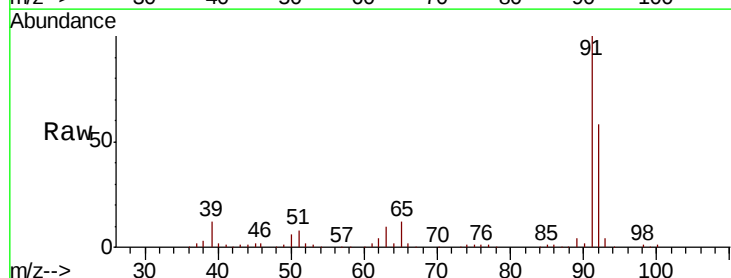
Acq: 13 Sep 2019 14:36

Tgt Ion: 92 Resp: 227675

Ion Ratio Lower Upper

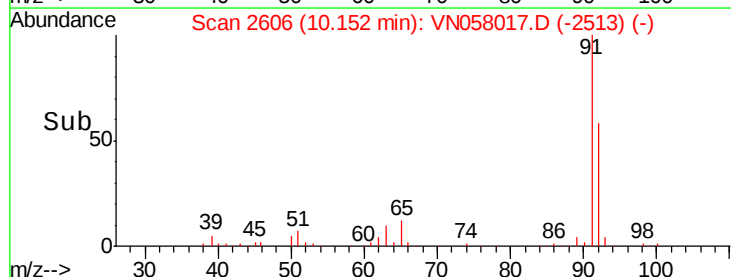
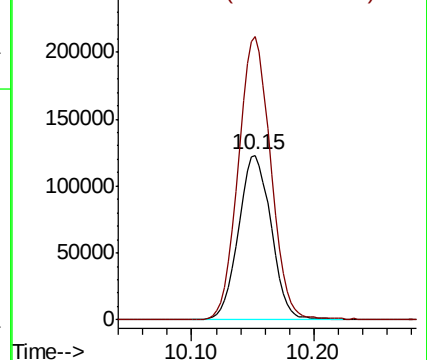
92 100

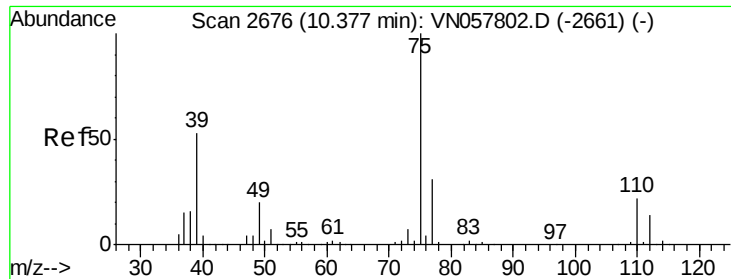
91 172.0 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.693 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

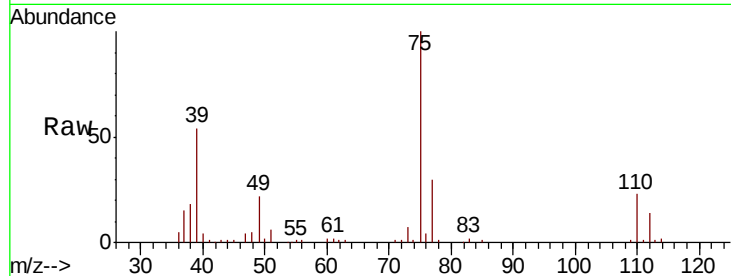
VN0914WBSD02

Tgt Ion: 75 Resp: 128255

Ion Ratio Lower Upper

75 100

77 30.0 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

60000

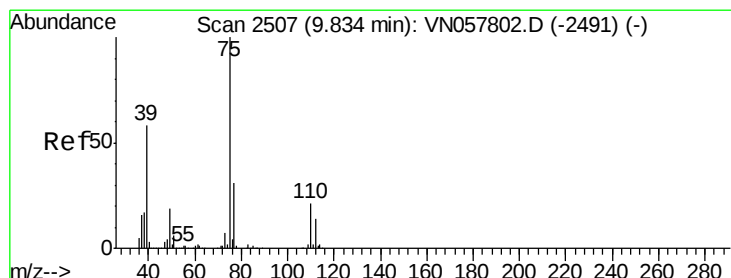
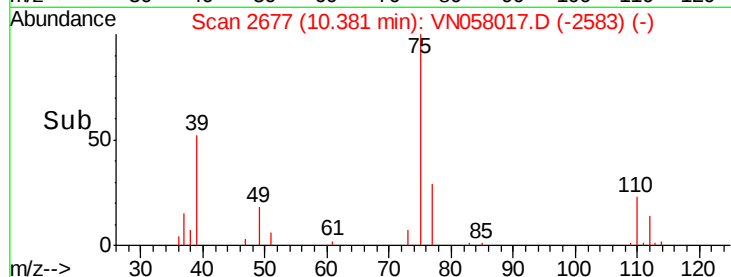
40000

20000

0

Time-->

10.30 10.40 10.50



#54

cis-1,3-Dichloropropene

Concen: 19.259 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

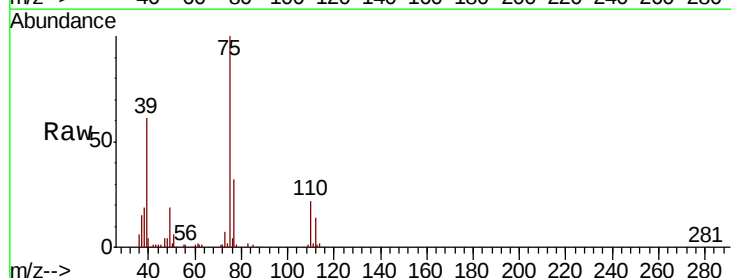
Tgt Ion: 75 Resp: 145889

Ion Ratio Lower Upper

75 100

77 32.1 24.8 37.2

39 61.0 46.2 69.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

100000

80000

60000

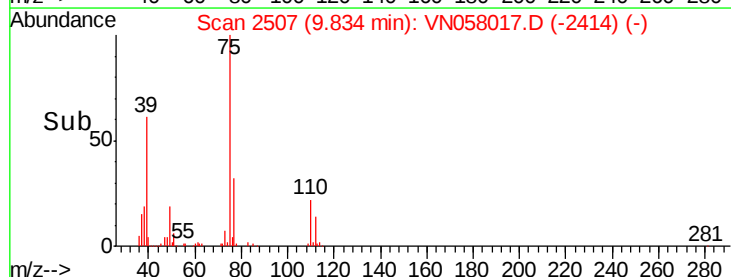
40000

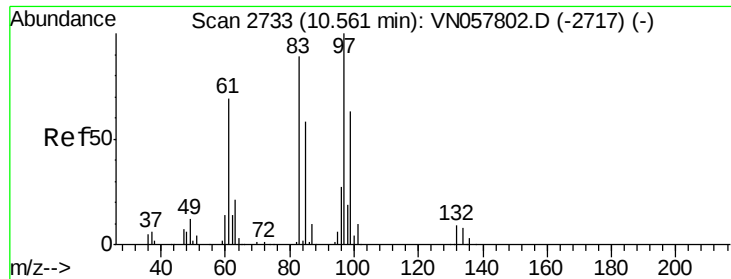
20000

0

Time-->

9.75 9.80 9.85 9.90 9.95





#55

1,1,2-Trichloroethane

Concen: 20.122 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

Tgt Ion: 97 Resp: 99614

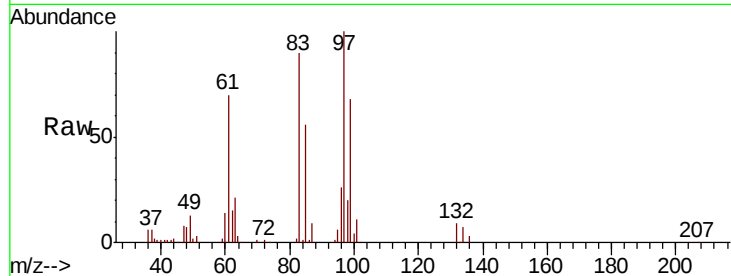
Ion Ratio Lower Upper

97 100

83 89.6 70.8 106.2

85 55.8 46.0 69.0

99 67.7 50.6 76.0

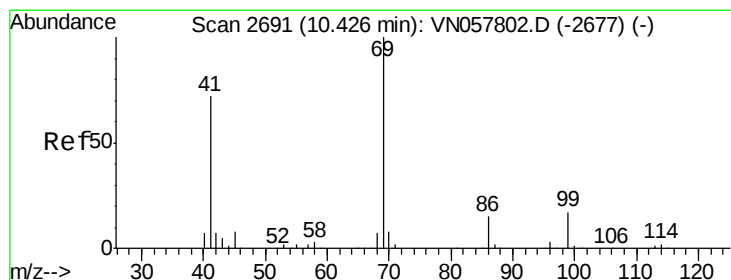
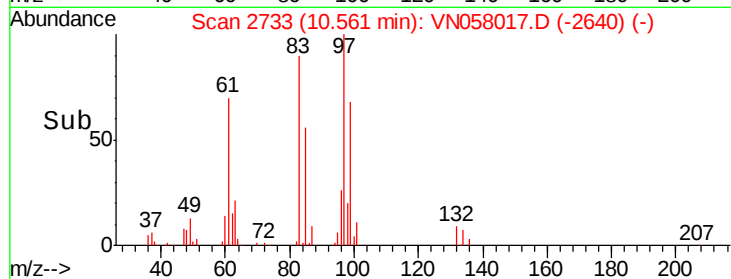
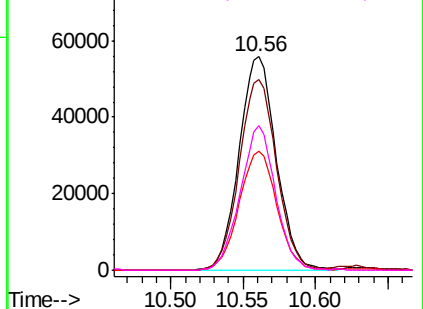


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.975 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

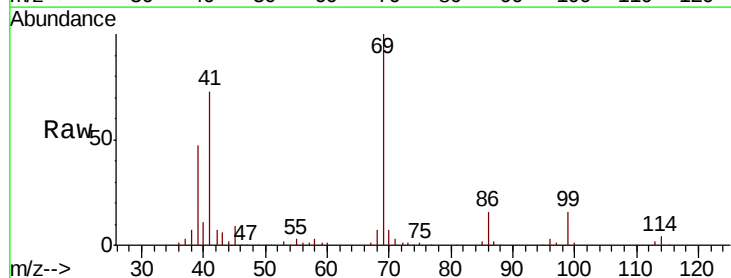
Tgt Ion: 69 Resp: 141454

Ion Ratio Lower Upper

69 100

41 72.5 56.7 85.1

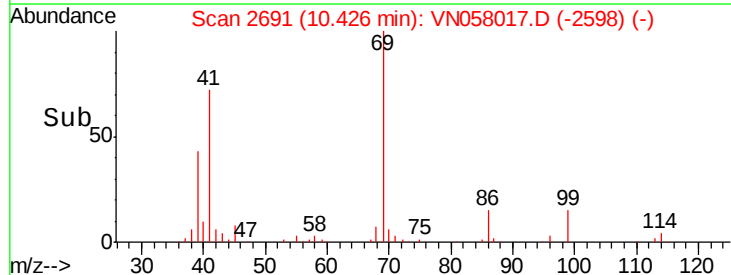
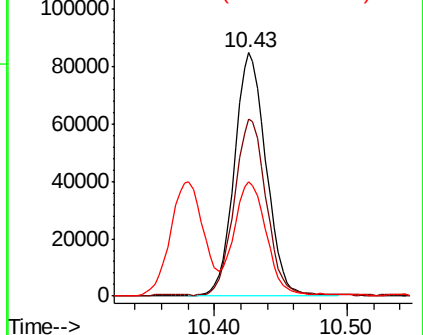
39 46.3 36.3 54.5



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.668 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

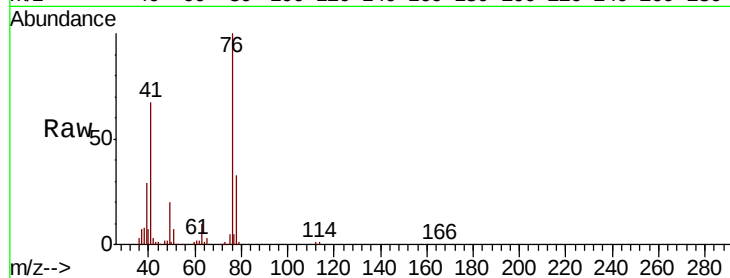
VN0914WBSD02

Tgt Ion: 76 Resp: 167792

Ion Ratio Lower Upper

76 100

78 32.6 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

80000

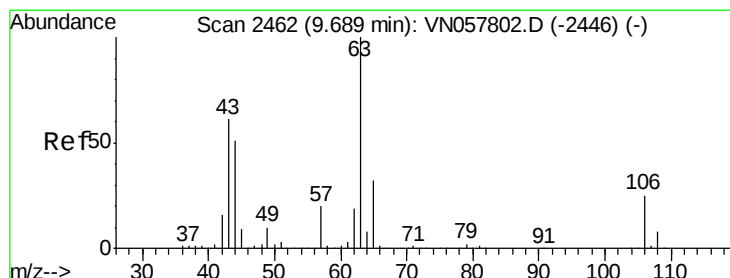
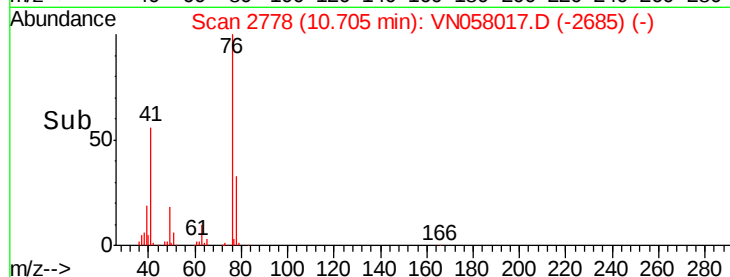
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 89.971 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058017.D

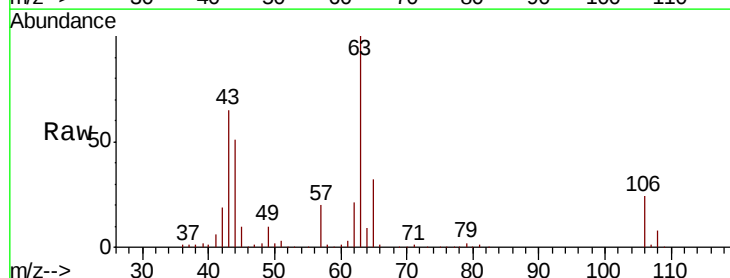
Acq: 13 Sep 2019 14:36

Tgt Ion: 63 Resp: 315901

Ion Ratio Lower Upper

63 100

106 24.6 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

200000

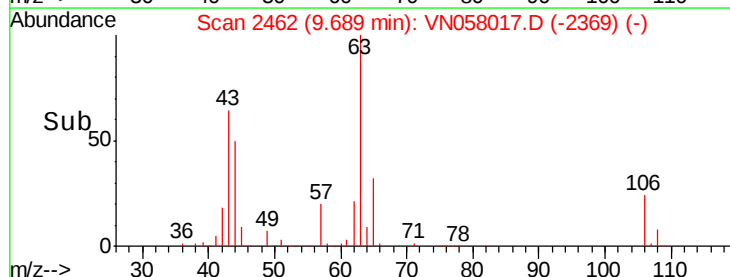
150000

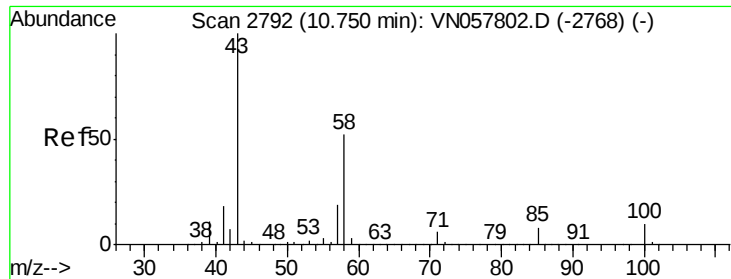
100000

50000

0

Time-->

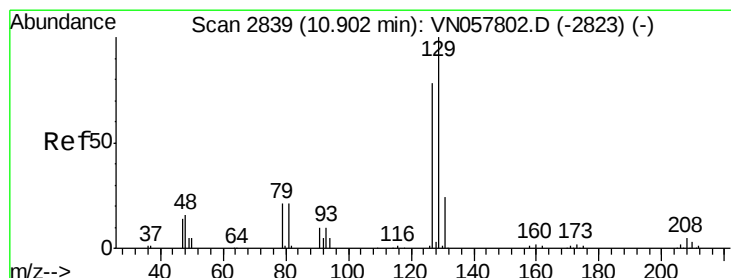
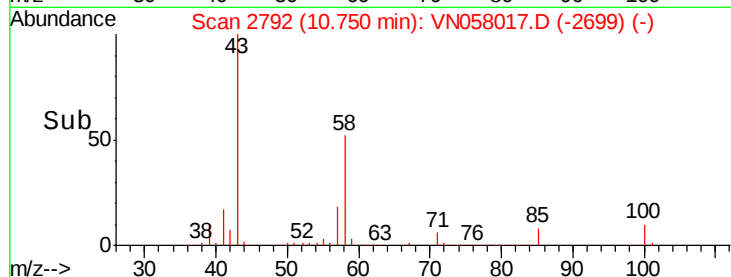
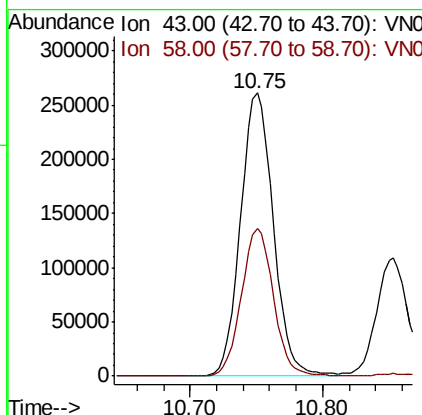
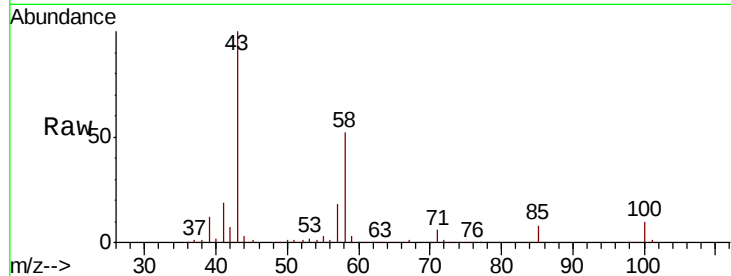




#59
2-Hexanone
Concen: 94.005 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

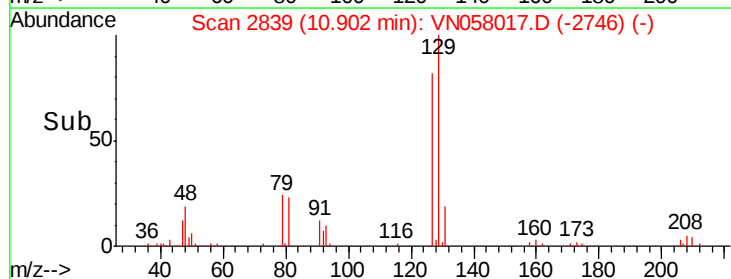
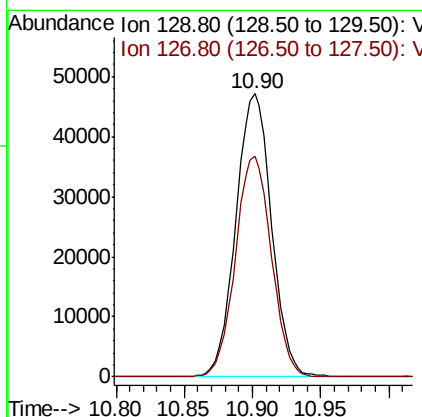
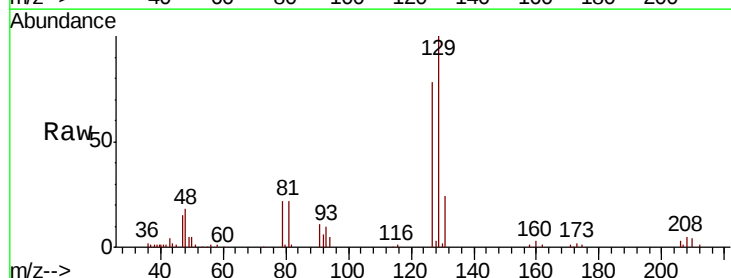
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

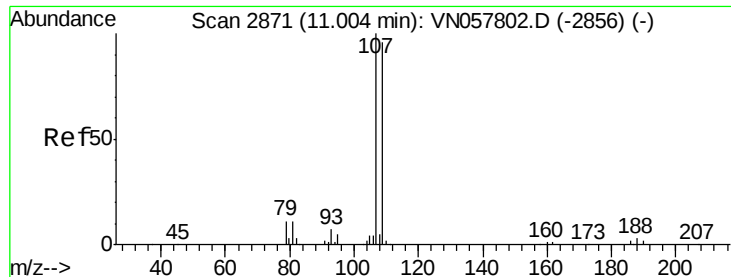
Tgt Ion: 43 Resp: 446505
Ion Ratio Lower Upper
43 100
58 51.3 25.6 76.8



#60
Dibromochloromethane
Concen: 18.650 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Tgt Ion: 129 Resp: 85734
Ion Ratio Lower Upper
129 100
127 78.4 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.164 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampled :

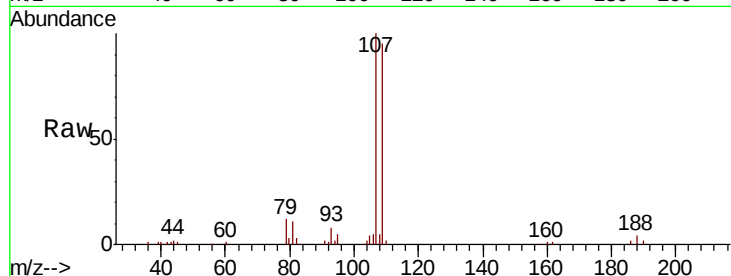
VN0914WBSD02

Tgt Ion: 107 Resp: 89692

Ion Ratio Lower Upper

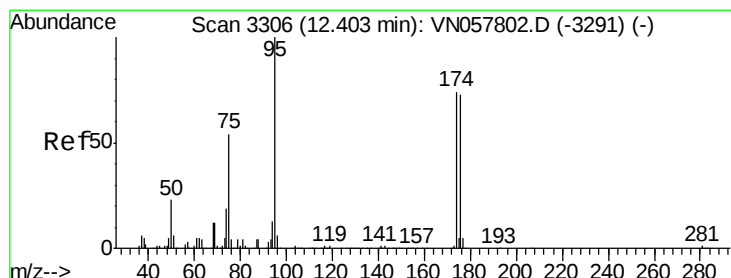
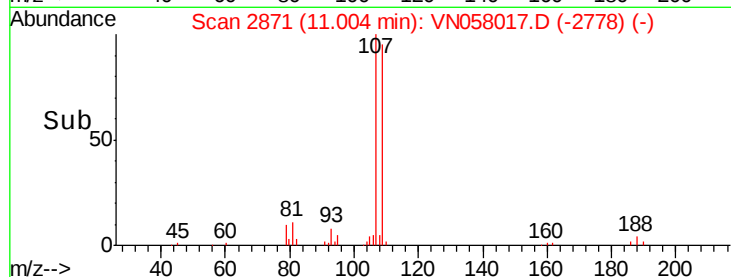
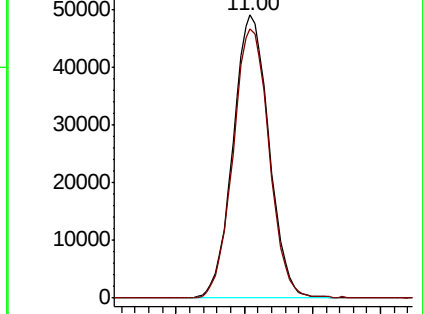
107 100

109 95.5 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.376 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

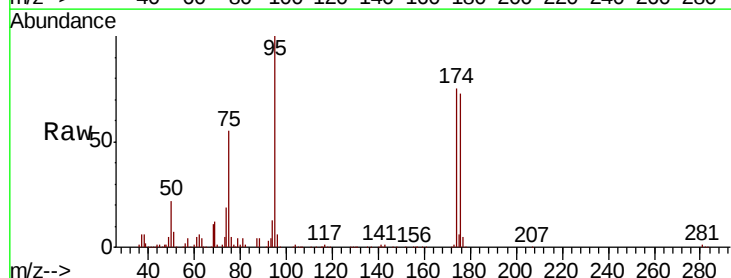
Tgt Ion: 95 Resp: 336562

Ion Ratio Lower Upper

95 100

174 74.0 0.0 150.2

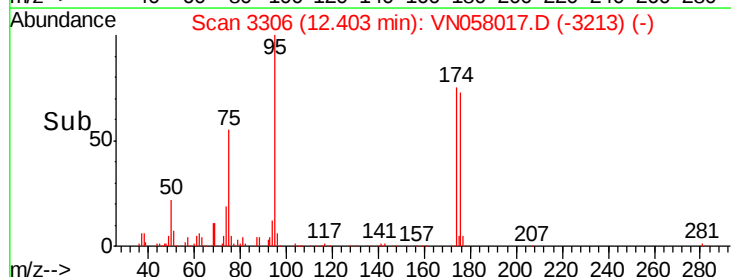
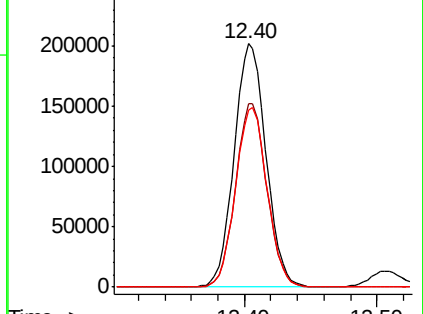
176 73.2 0.0 146.0

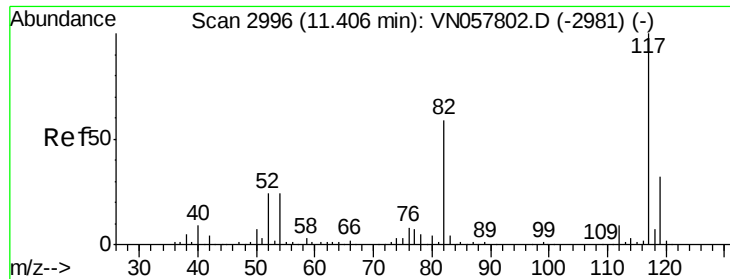


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

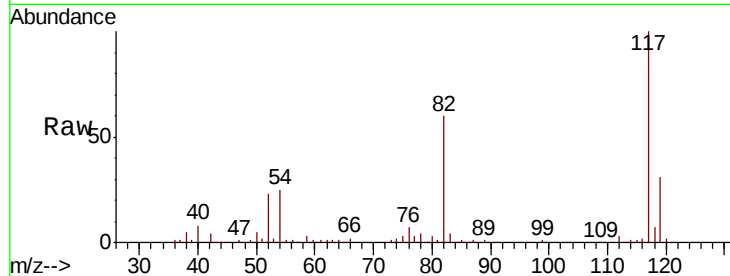




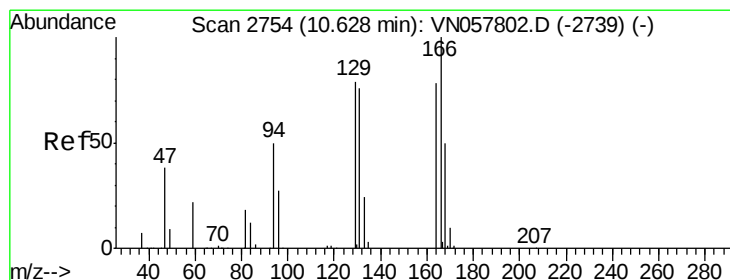
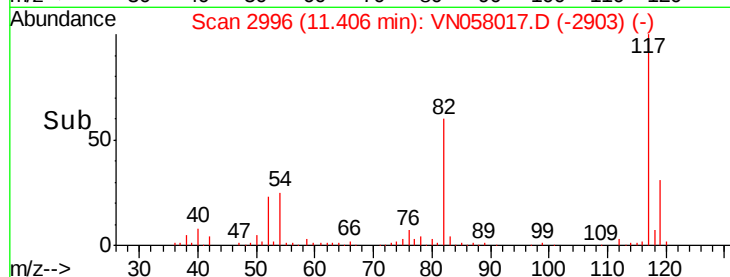
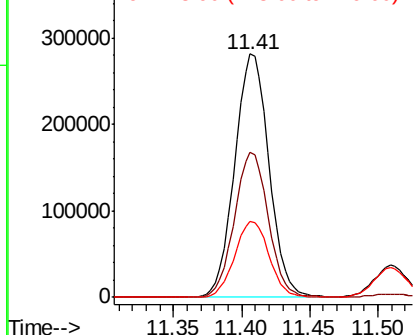
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

Tgt Ion:117 Resp: 492581
Ion Ratio Lower Upper
117 100
82 59.5 47.2 70.8
119 31.0 25.3 37.9

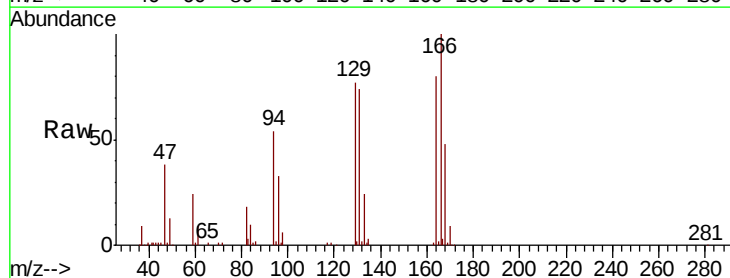


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

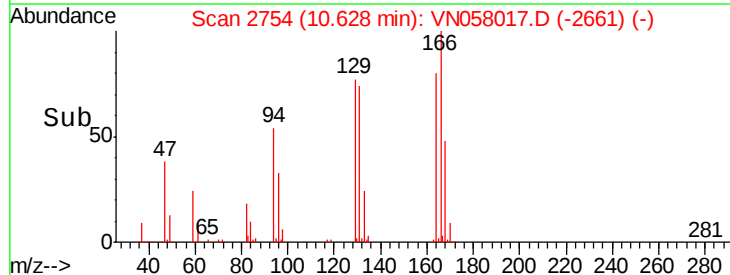
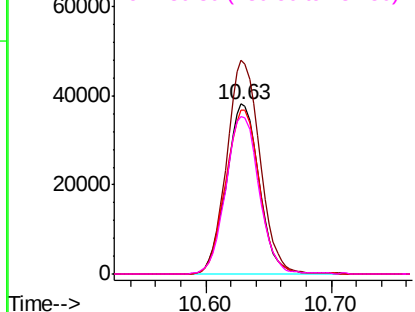


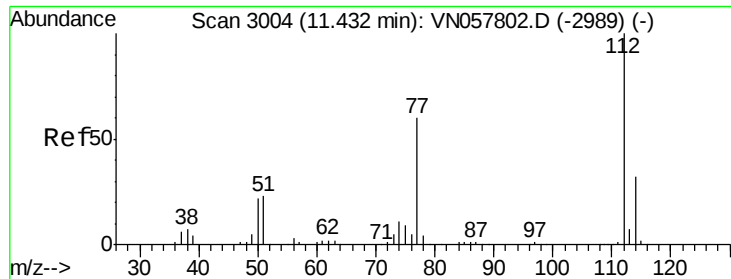
#64
Tetrachloroethene
Concen: 19.151 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Tgt Ion:164 Resp: 69651
Ion Ratio Lower Upper
164 100
166 125.6 102.2 153.2
129 96.2 80.8 121.2
131 92.9 77.4 116.2



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

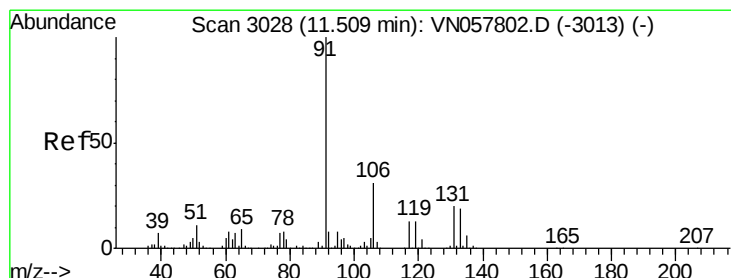
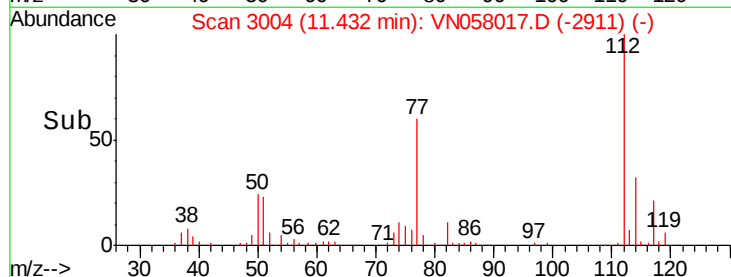
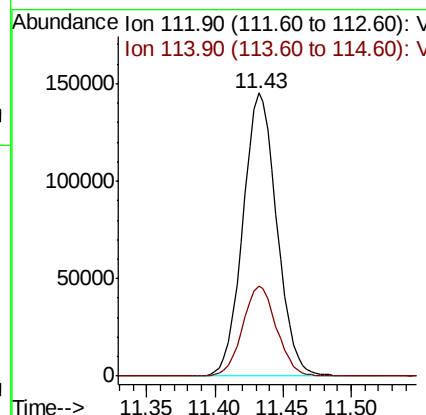
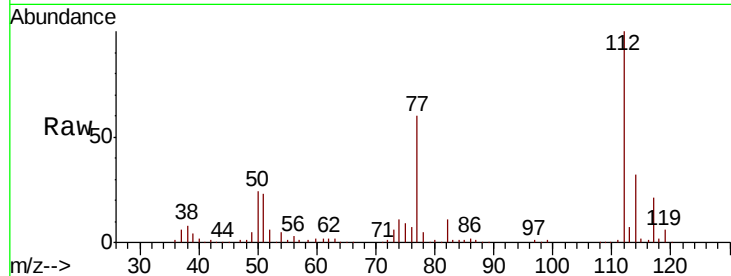




#65
Chlorobenzene
Concen: 19.404 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

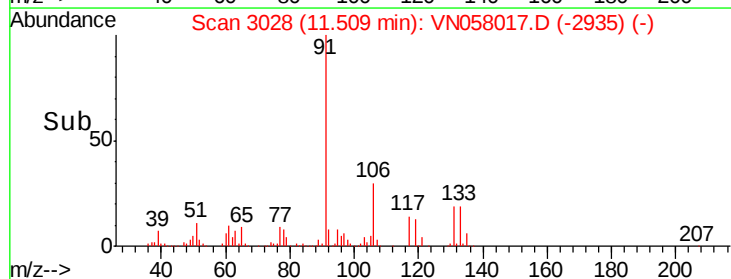
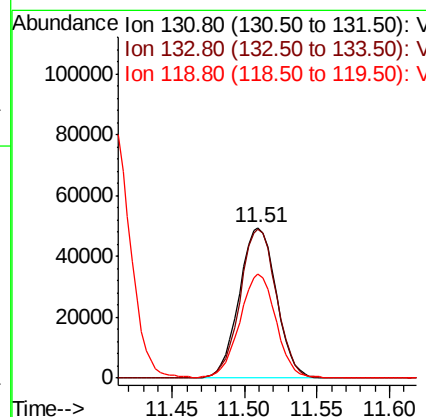
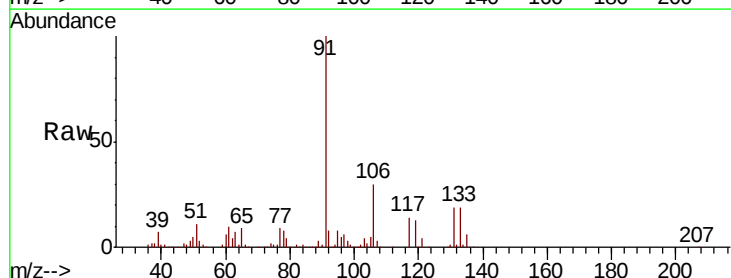
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

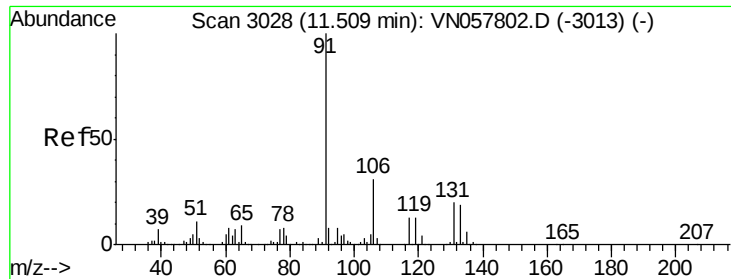
Tgt Ion:112 Resp: 250136
Ion Ratio Lower Upper
112 100
114 31.9 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.737 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Tgt Ion:131 Resp: 88287
Ion Ratio Lower Upper
131 100
133 96.9 47.1 141.3
119 67.2 33.3 99.8

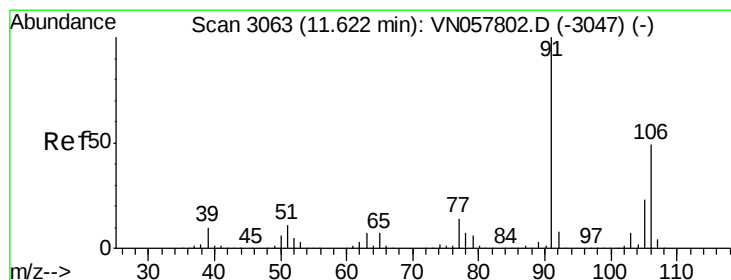
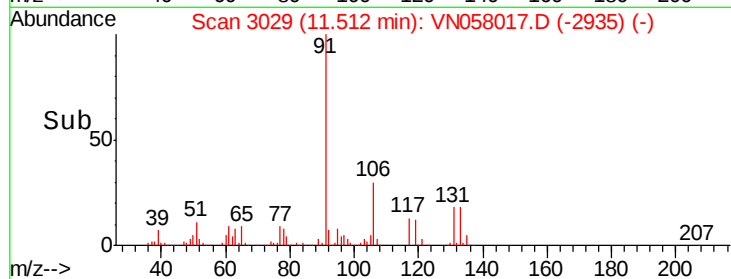
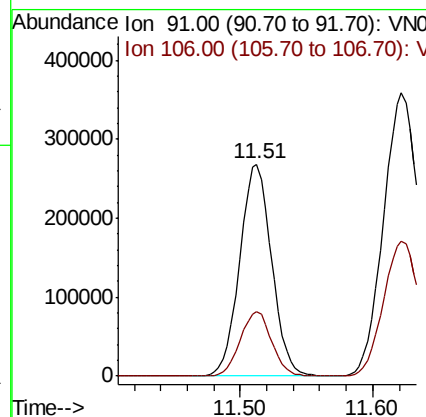
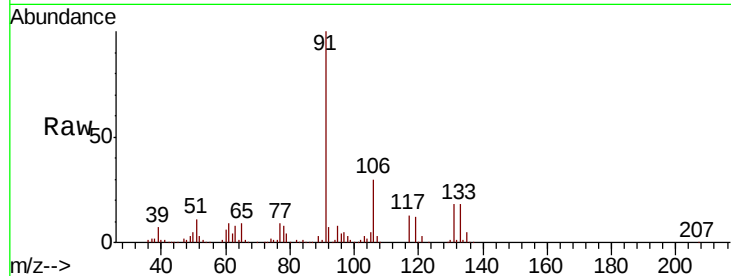




#67
Ethyl Benzene
Concen: 19.834 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

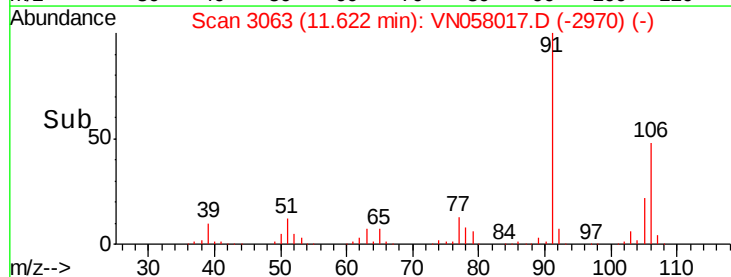
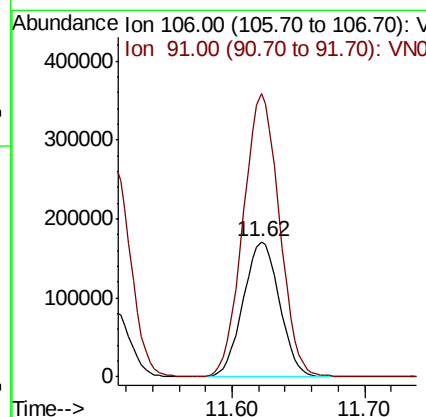
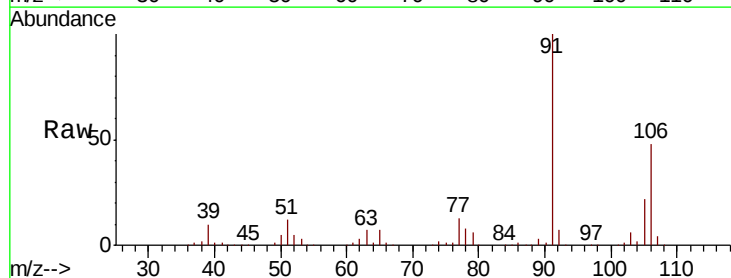
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

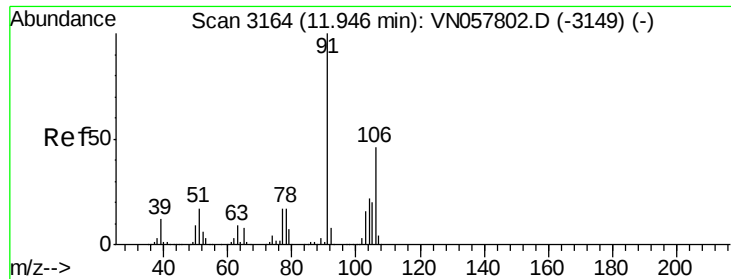
Tgt Ion: 91 Resp: 448088
Ion Ratio Lower Upper
91 100
106 30.5 24.4 36.6



#68
m/p-Xylenes
Concen: 39.349 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Tgt Ion: 106 Resp: 325636
Ion Ratio Lower Upper
106 100
91 209.3 165.8 248.6

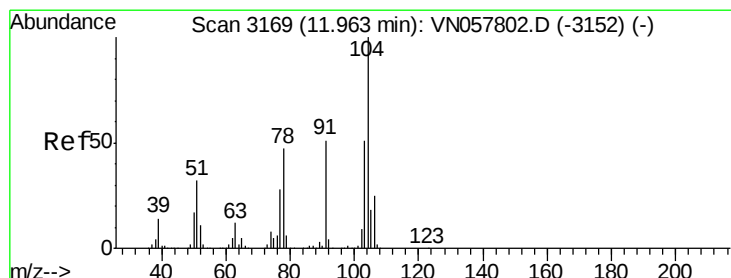
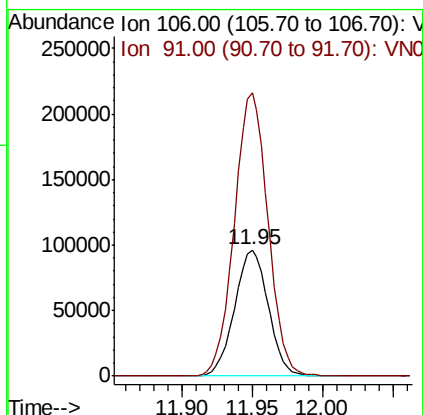
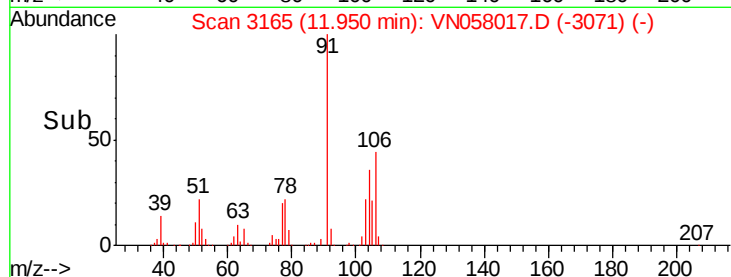
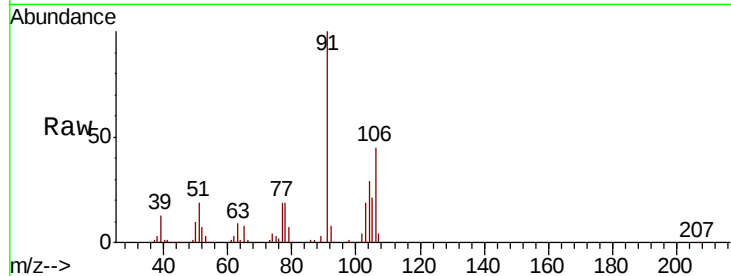




#69
o-Xylene
Concen: 19.650 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

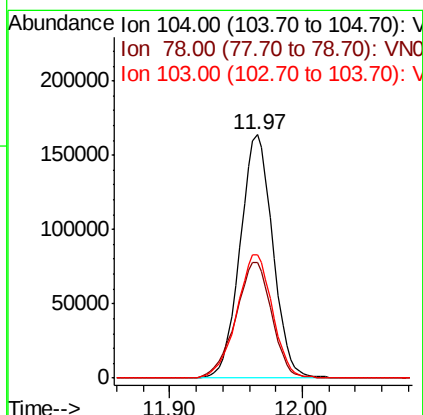
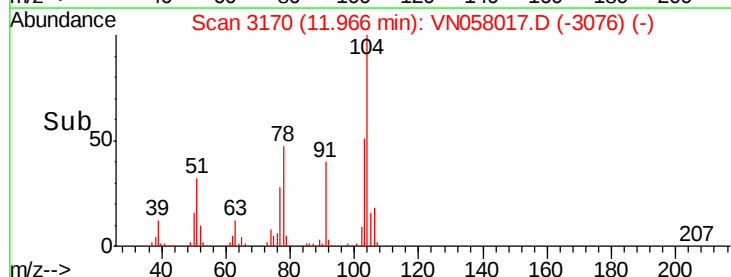
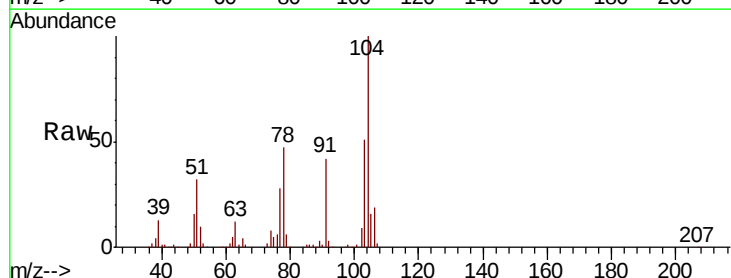
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

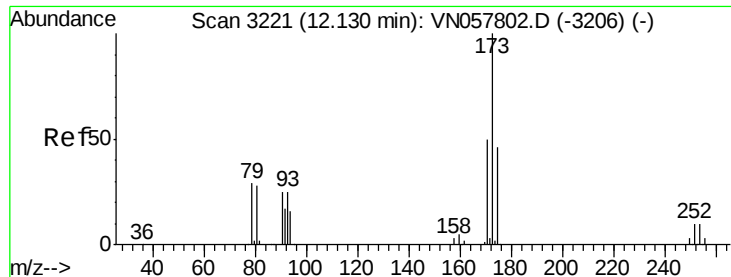
Tgt Ion:106 Resp: 161666
Ion Ratio Lower Upper
106 100
91 223.5 108.7 326.1



#70
Styrene
Concen: 19.815 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Tgt Ion:104 Resp: 280562
Ion Ratio Lower Upper
104 100
78 52.6 41.3 61.9
103 55.5 43.7 65.5

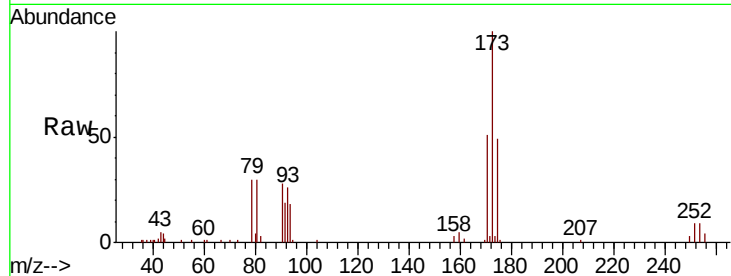




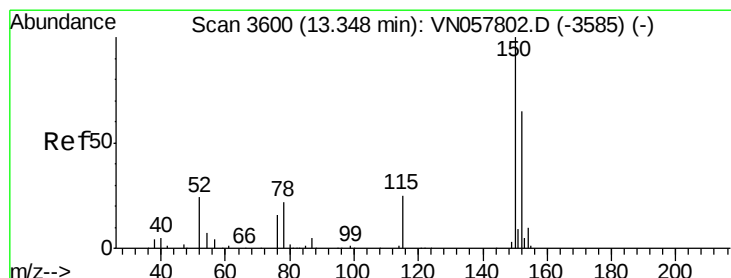
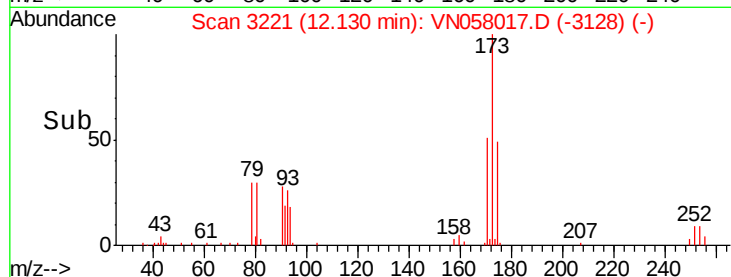
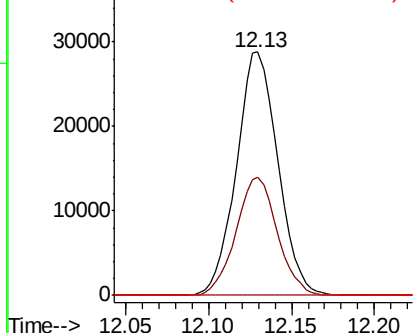
#71
Bromoform
Concen: 17.972 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

Tgt Ion:173 Resp: 50120
Ion Ratio Lower Upper
173 100
175 48.2 23.5 70.6
254 0.0 0.1 0.1#

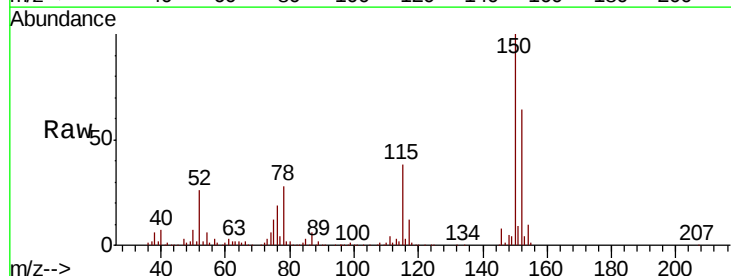


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

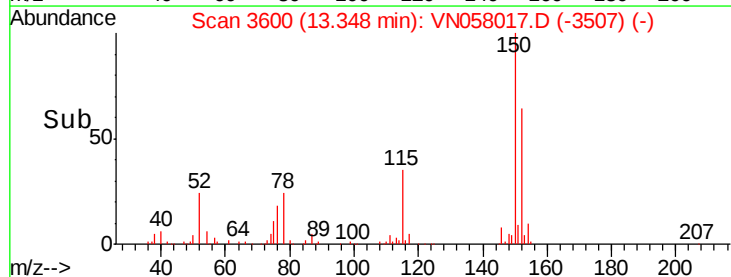
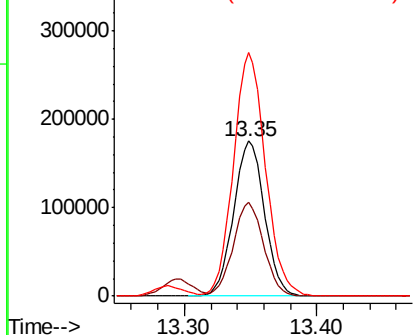


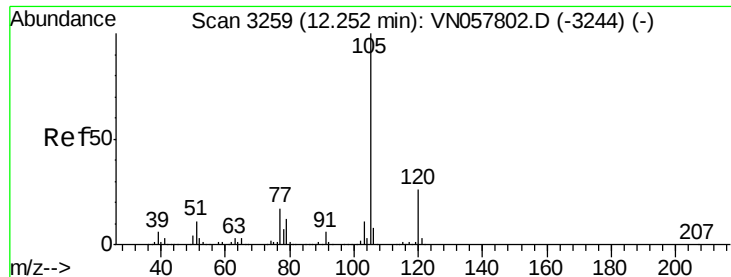
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Tgt Ion:152 Resp: 282280
Ion Ratio Lower Upper
152 100
115 60.1 30.3 91.0
150 163.0 0.0 352.4



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





#73

Isopropylbenzene

Concen: 20.675 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

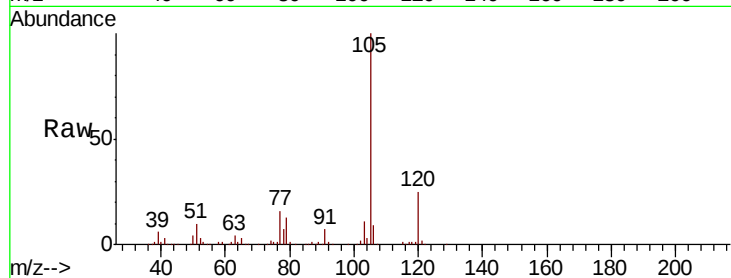
VN0914WBSD02

Tgt Ion: 105 Resp: 452863

Ion Ratio Lower Upper

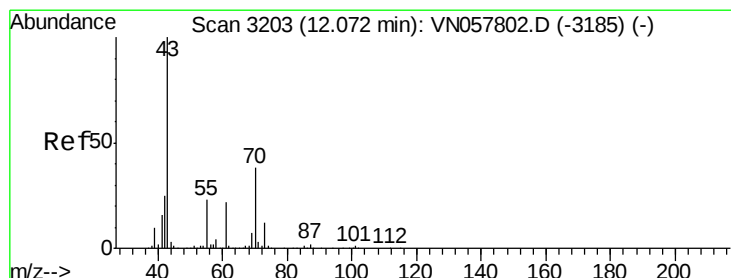
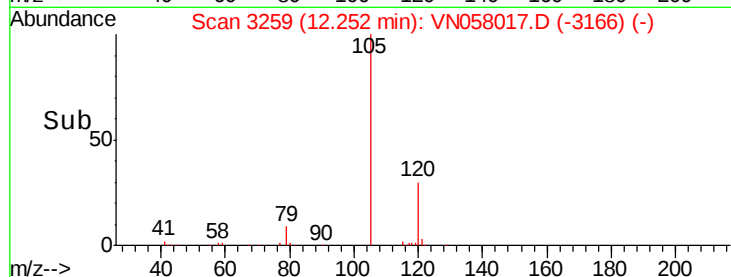
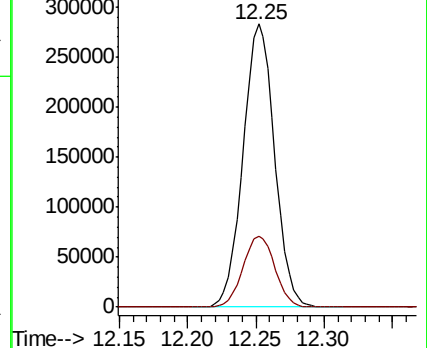
105 100

120 25.5 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.011 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Tgt Ion: 43 Resp: 181227

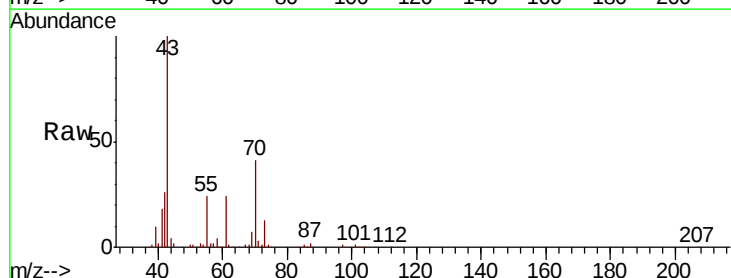
Ion Ratio Lower Upper

43 100

70 40.5 30.6 45.8

55 25.4 18.6 27.8

61 22.6 17.4 26.2

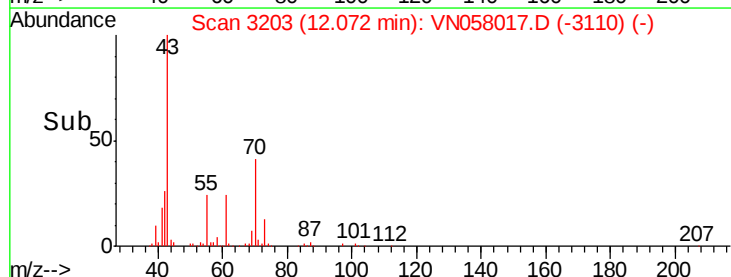
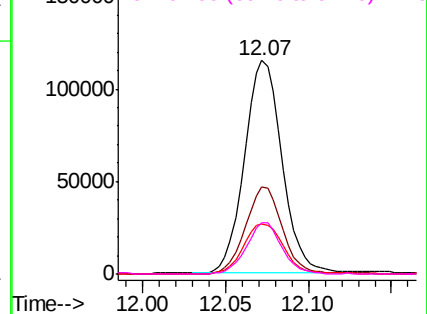


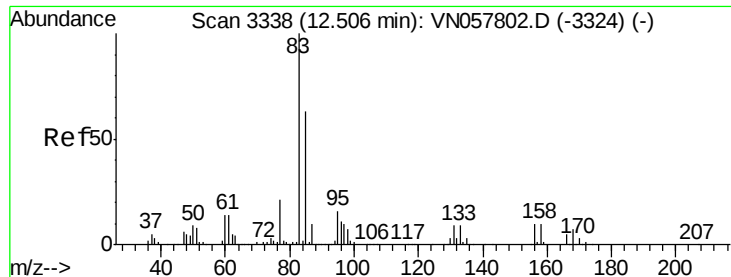
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.695 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

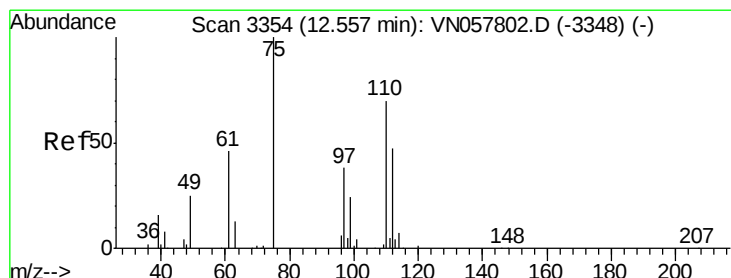
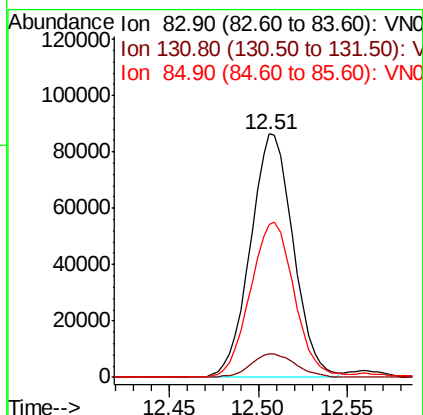
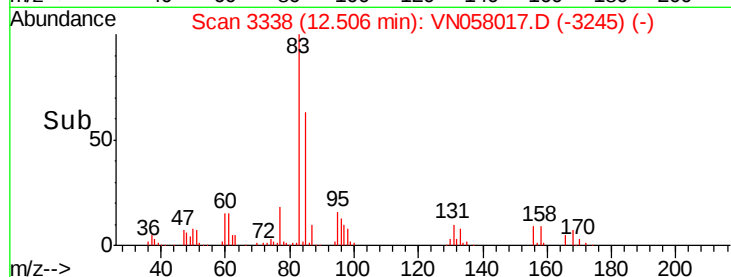
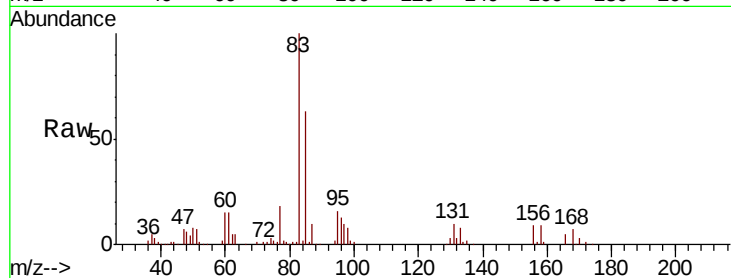
Tgt Ion: 83 Resp: 145253

Ion Ratio Lower Upper

83 100

131 10.2 4.8 14.3

85 65.4 31.6 94.7



#76

1,2,3-Trichloropropane

Concen: 27.143 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058017.D

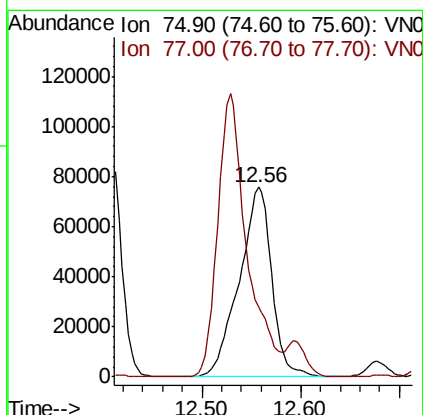
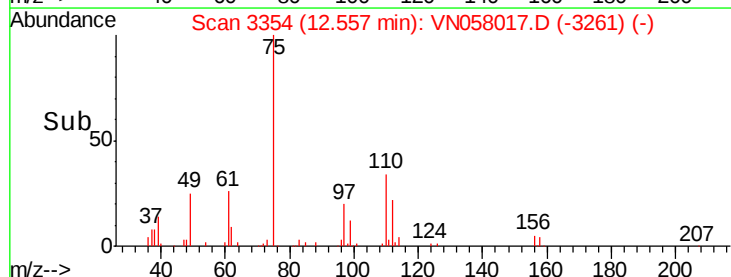
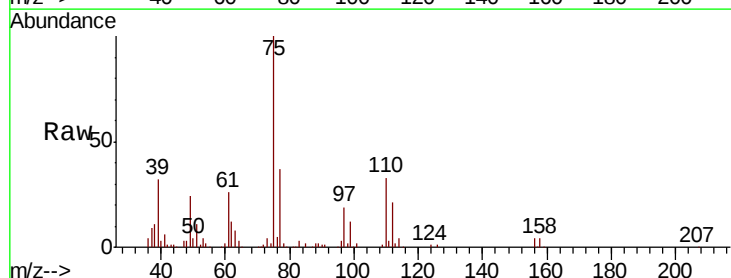
Acq: 13 Sep 2019 14:36

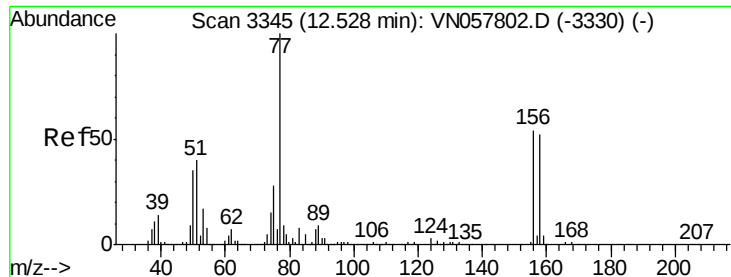
Tgt Ion: 75 Resp: 173325

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.178 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

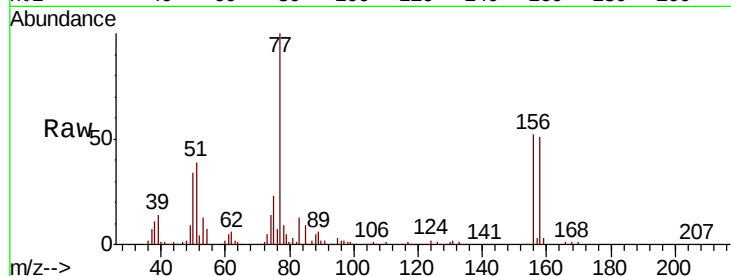
Tgt Ion:156 Resp: 104732

Ion Ratio Lower Upper

156 100

77 224.4 113.7 341.1

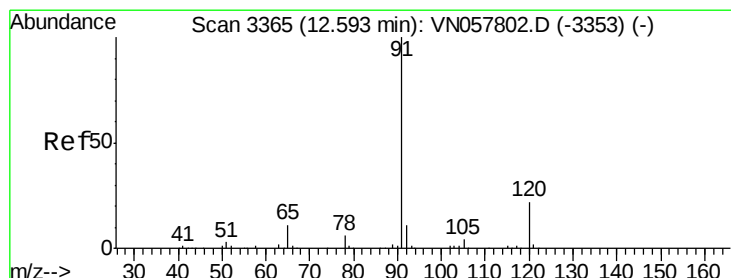
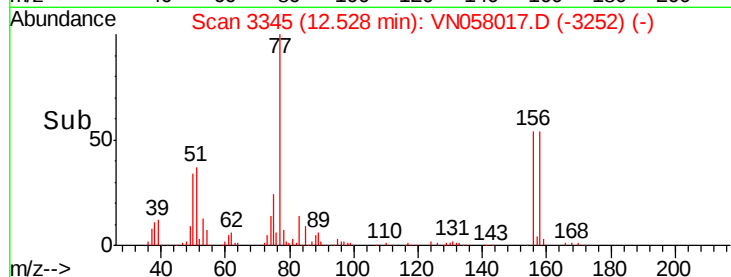
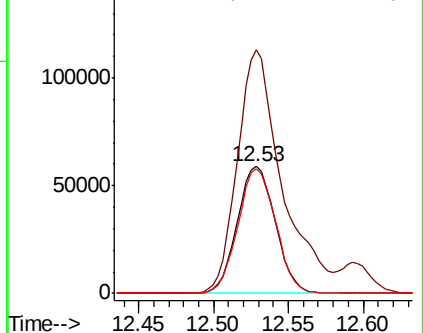
158 97.0 48.5 145.6



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: 20.904 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058017.D

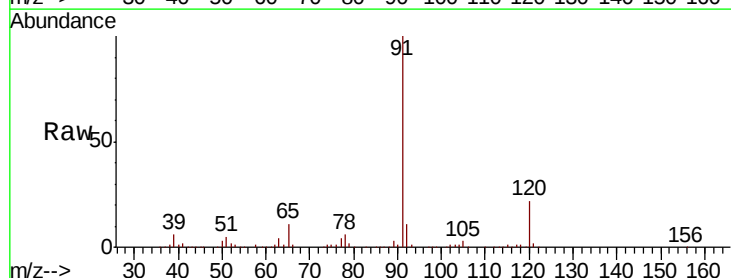
Acq: 13 Sep 2019 14:36

Tgt Ion: 91 Resp: 525785

Ion Ratio Lower Upper

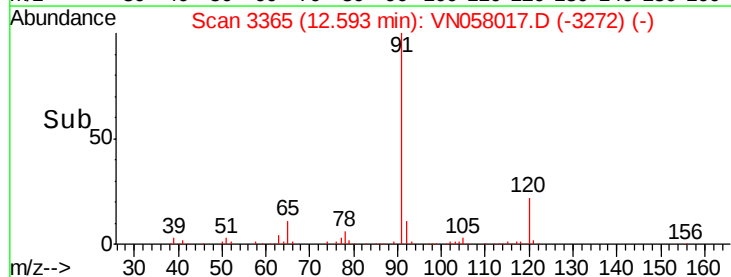
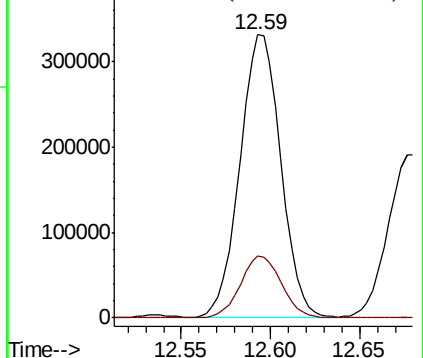
91 100

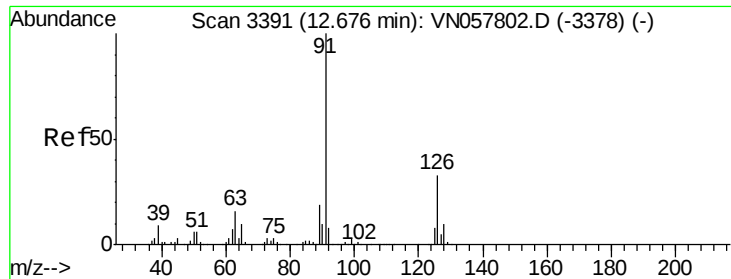
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.820 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

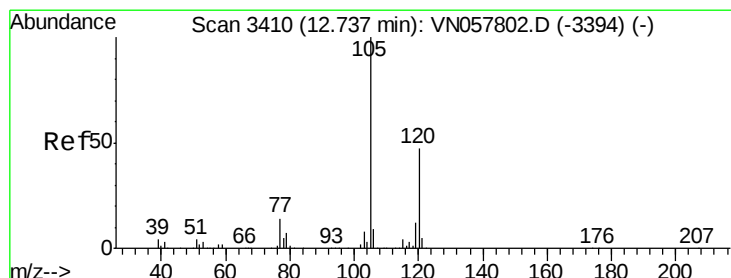
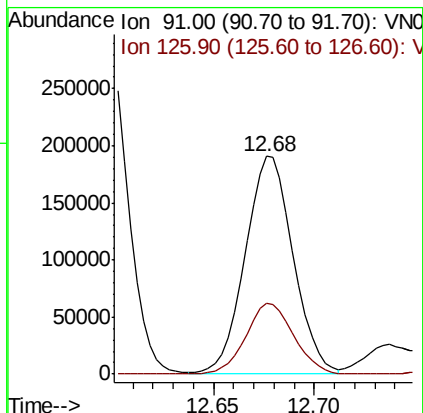
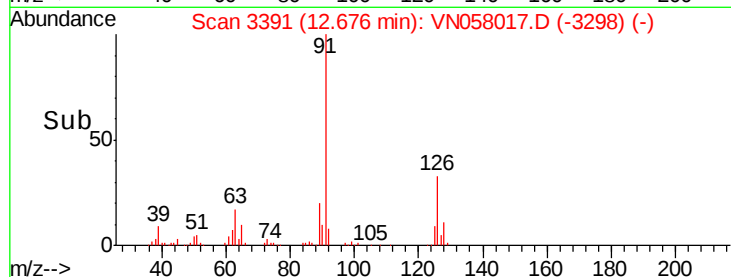
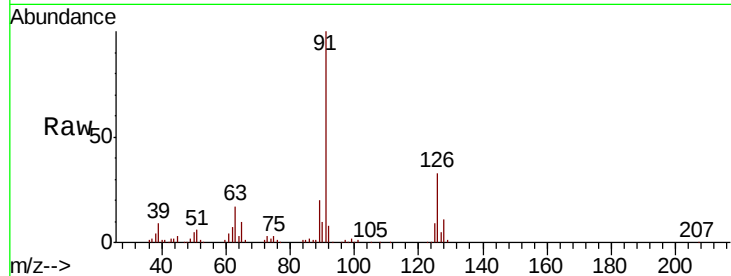
VN0914WBSD02

Tgt Ion: 91 Resp: 315076

Ion Ratio Lower Upper

91 100

126 32.9 16.4 49.2



#80

1,3,5-Trimethylbenzene

Concen: 20.910 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058017.D

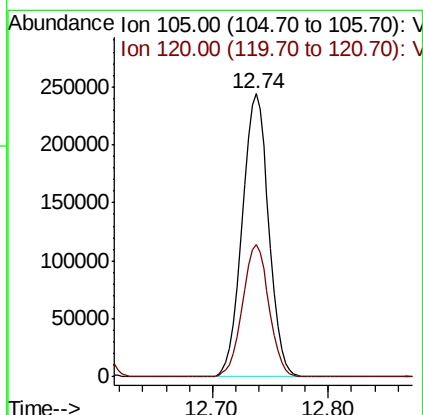
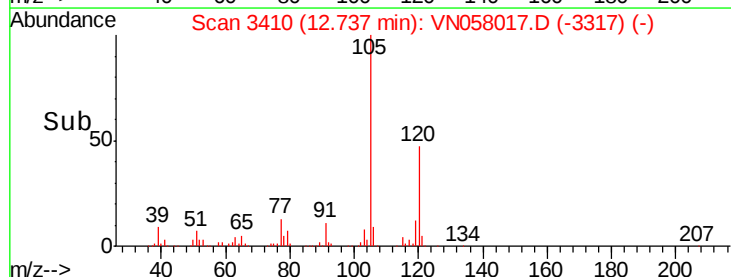
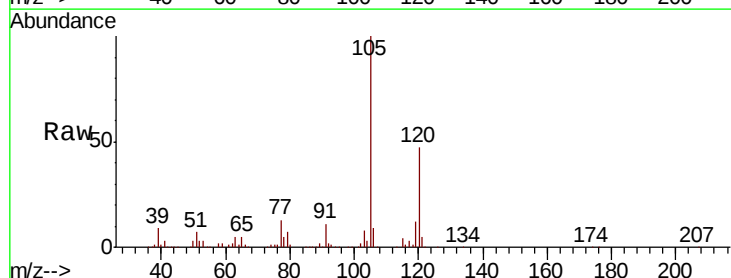
Acq: 13 Sep 2019 14:36

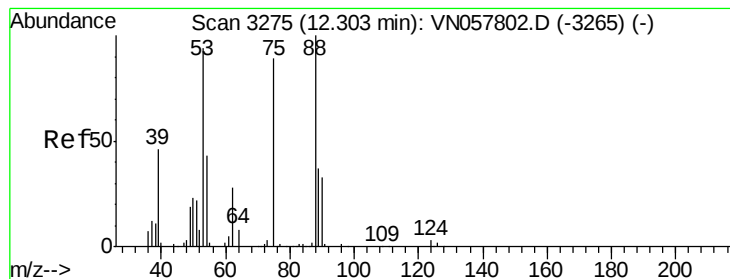
Tgt Ion: 105 Resp: 386986

Ion Ratio Lower Upper

105 100

120 46.8 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 15.152 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

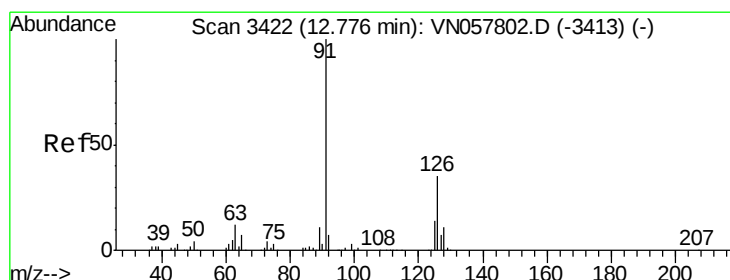
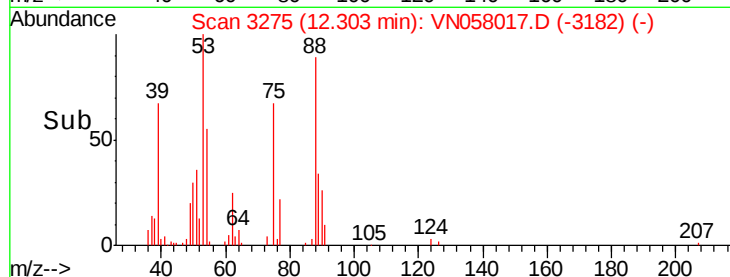
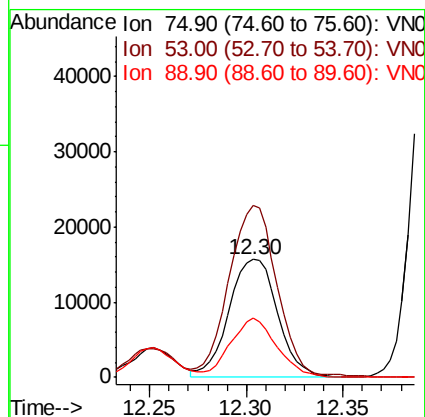
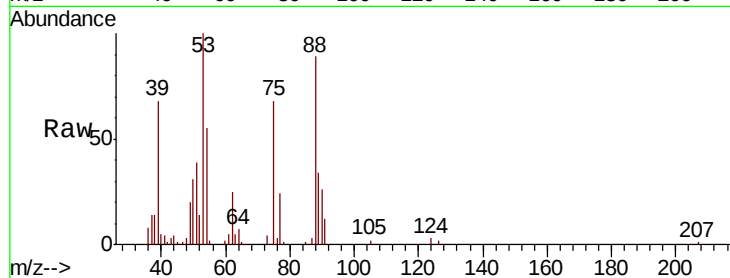
Tgt Ion: 75 Resp: 27495

Ion Ratio Lower Upper

75 100

53 144.4 88.4 132.6#

89 47.1 35.3 52.9



#82

4-Chlorotoluene

Concen: 19.469 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058017.D

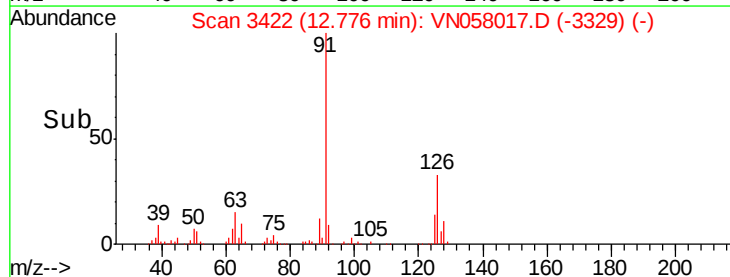
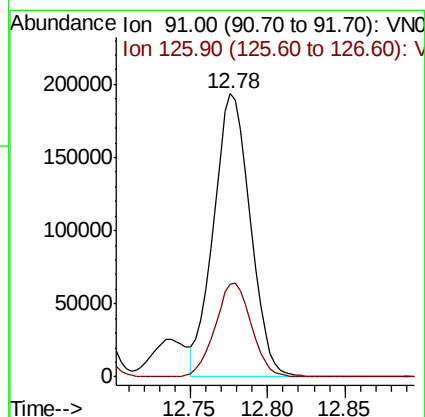
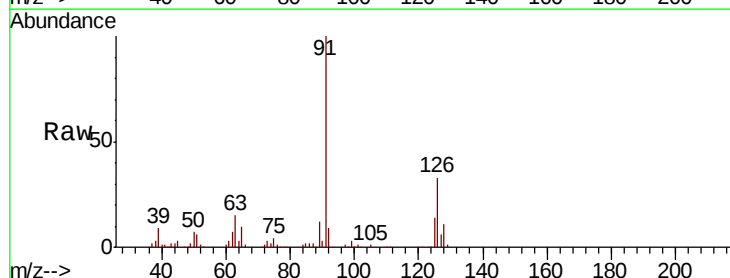
Acq: 13 Sep 2019 14:36

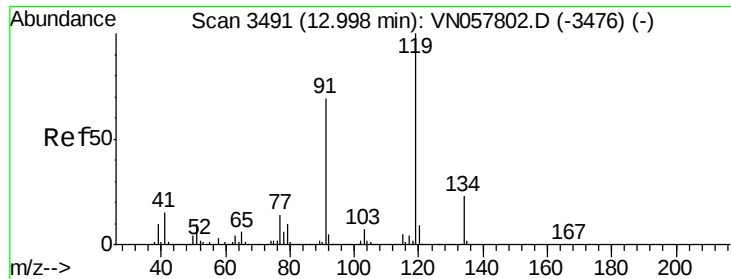
Tgt Ion: 91 Resp: 317829

Ion Ratio Lower Upper

91 100

126 32.9 16.0 48.0

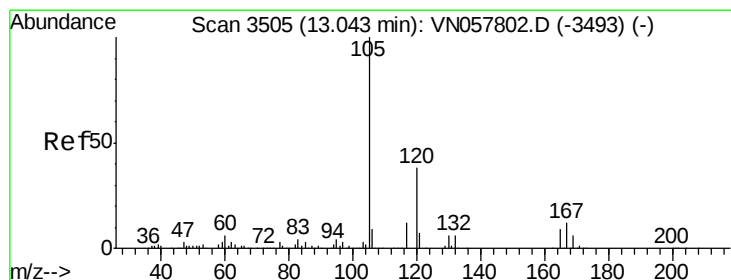
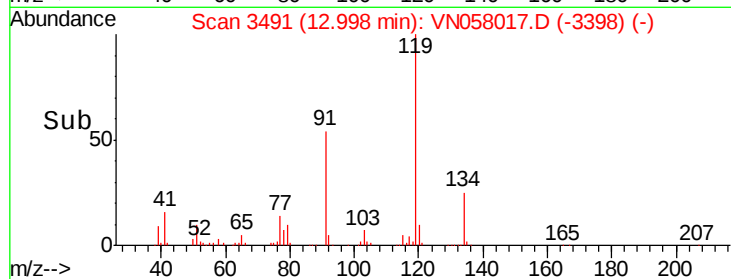
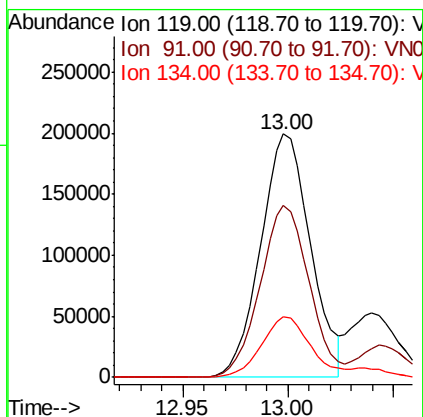
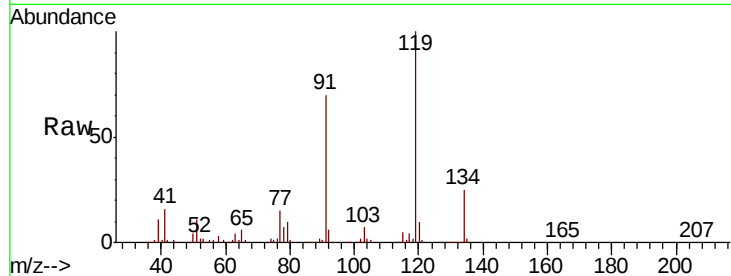




#83
 tert-Butylbenzene
 Concen: 19.949 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

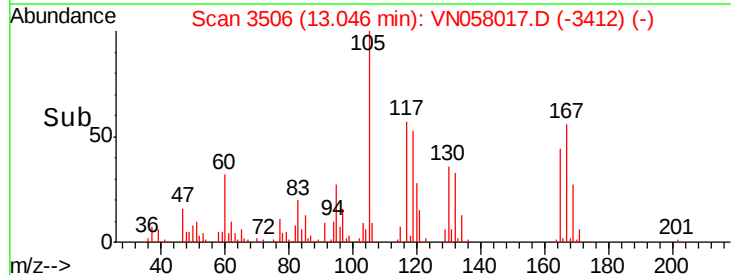
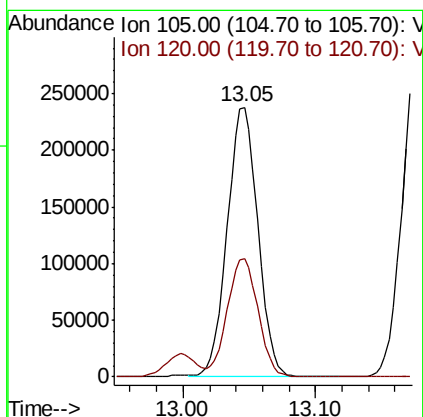
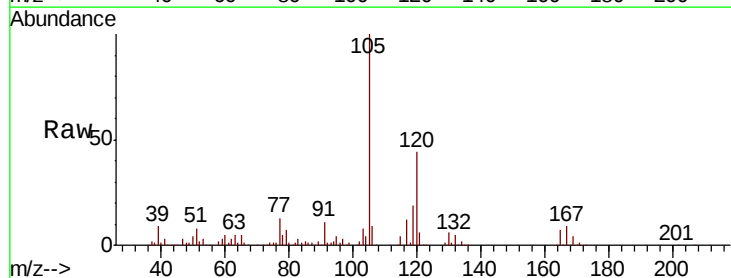
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

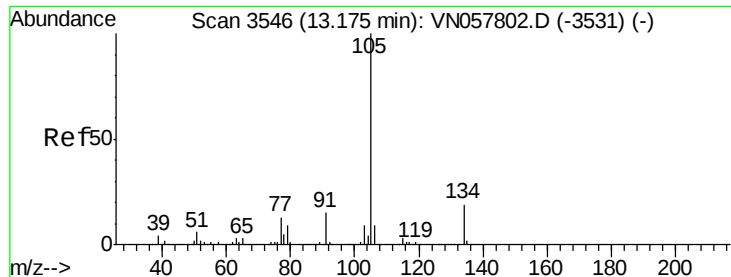
Tgt Ion:119 Resp: 328194
 Ion Ratio Lower Upper
 119 100
 91 69.6 33.6 100.8
 134 24.8 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.221 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Tgt Ion:105 Resp: 380358
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.4 67.2

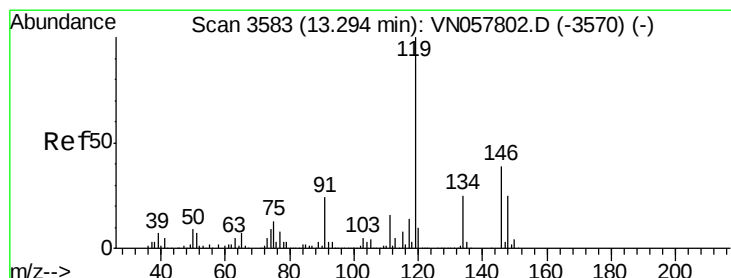
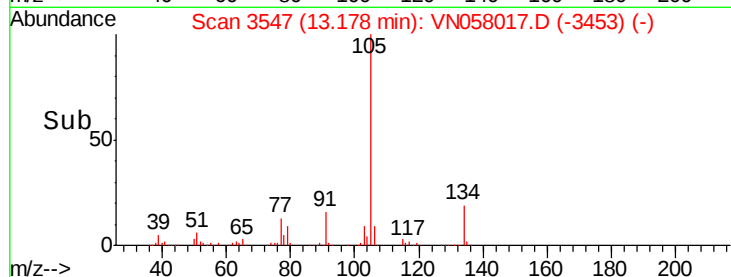
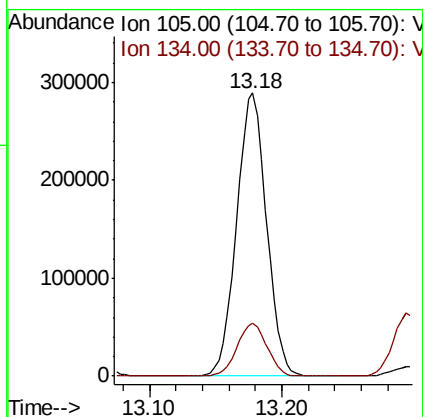
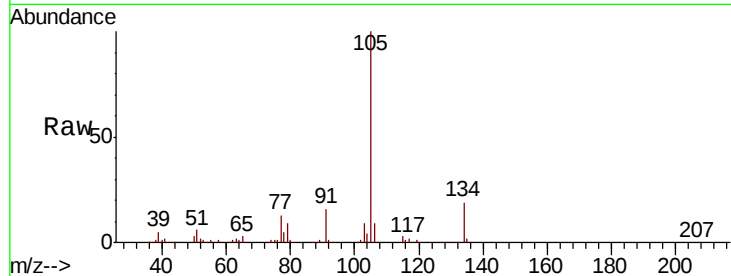




#85
 sec-Butylbenzene
 Concen: 20.789 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

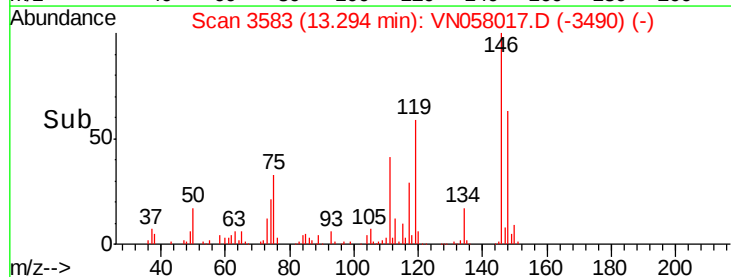
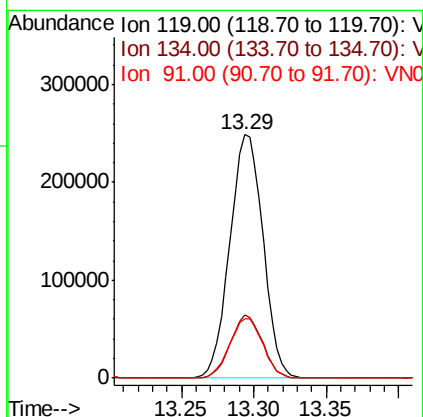
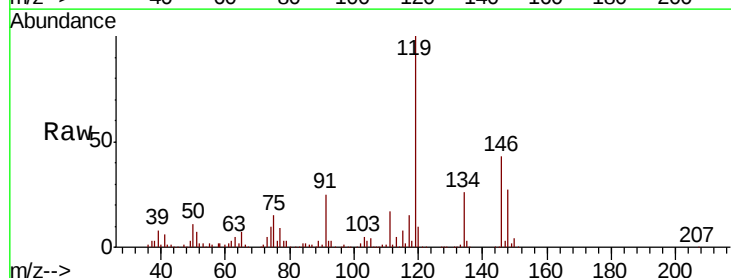
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

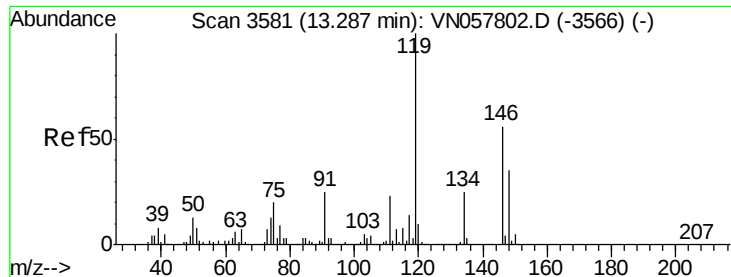
Tgt Ion:105 Resp: 453300
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 20.493 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Tgt Ion:119 Resp: 393717
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.5 37.5
 91 24.7 12.3 36.8

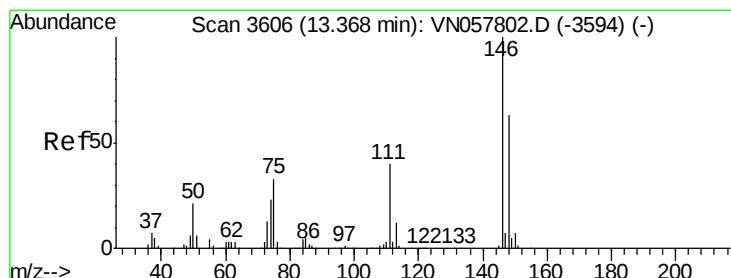
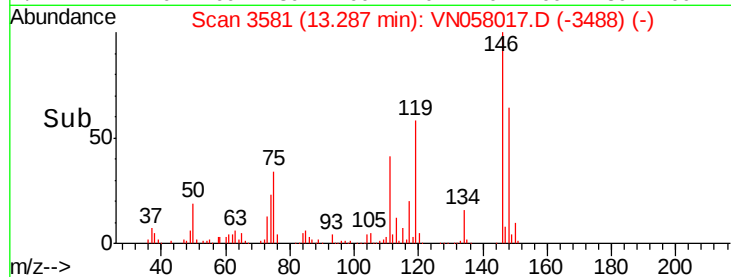
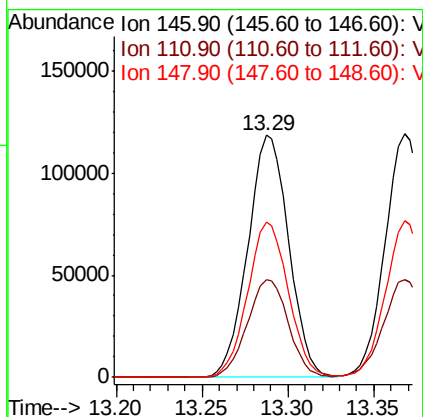
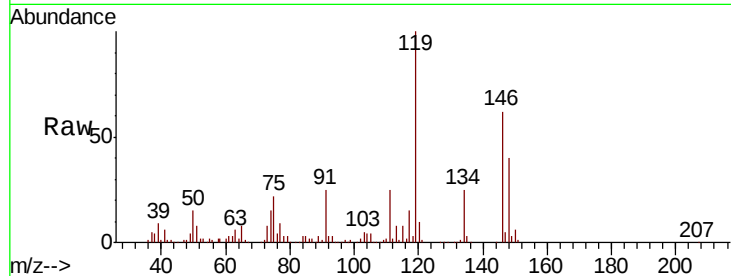




#87
 1,3-Dichlorobenzene
 Concen: 19.501 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

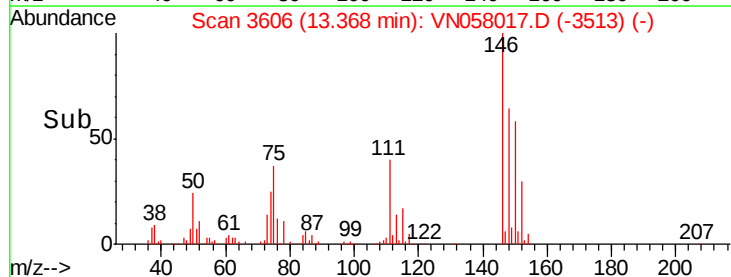
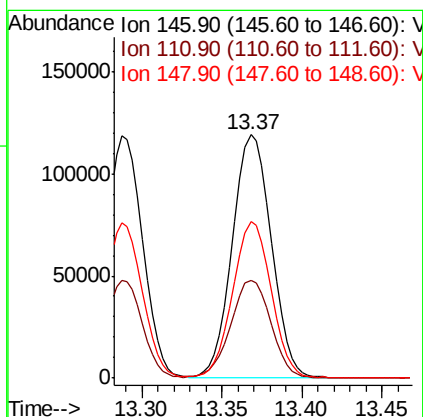
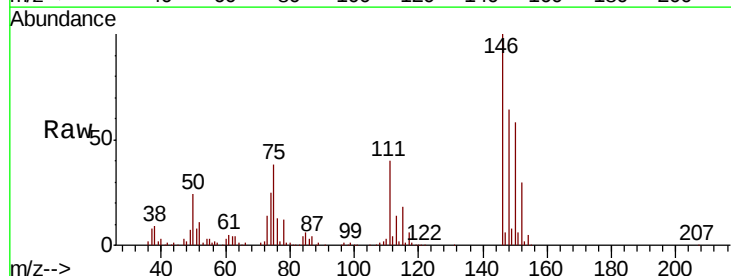
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

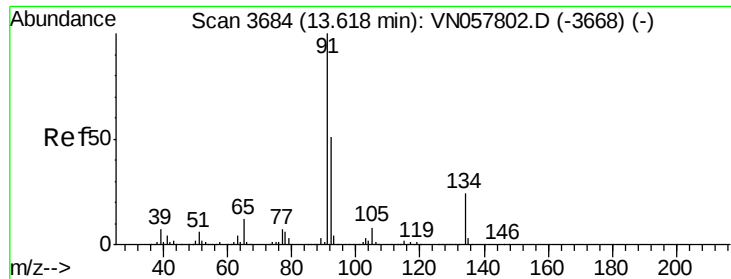
Tgt Ion:146 Resp: 195482
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.5 61.6
 148 63.8 31.5 94.5



#88
 1,4-Dichlorobenzene
 Concen: 19.404 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Tgt Ion:146 Resp: 197431
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.4 61.2
 148 63.9 31.8 95.4

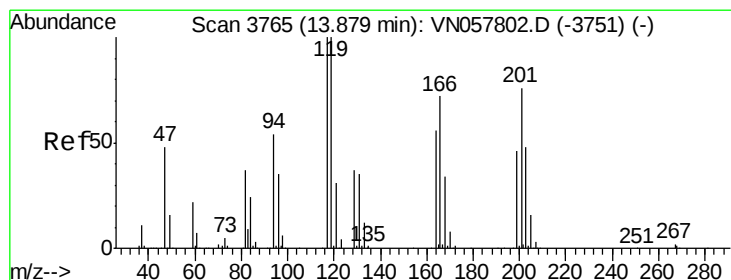
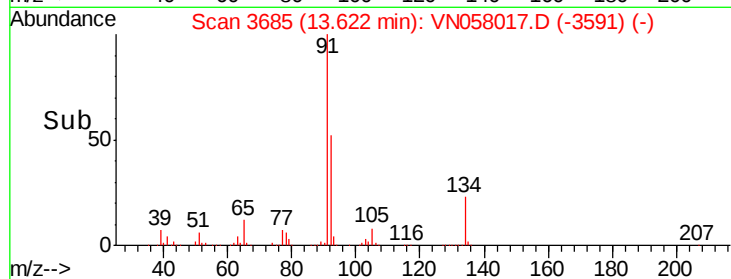
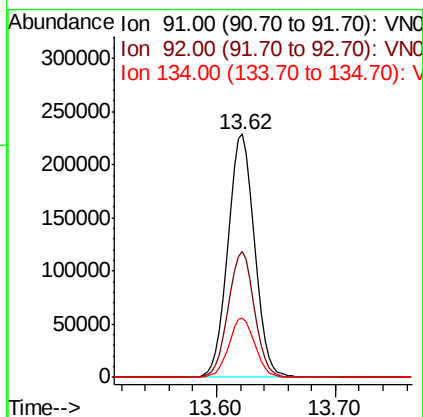
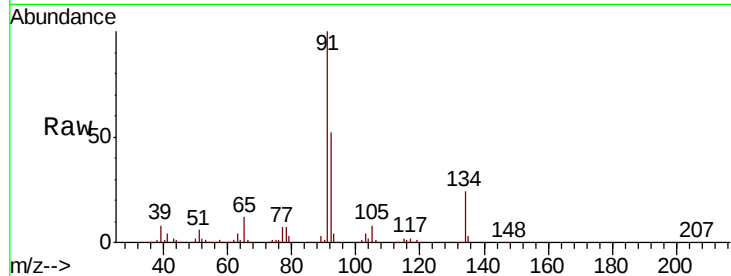




#89
n-Butylbenzene
Concen: 19.574 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

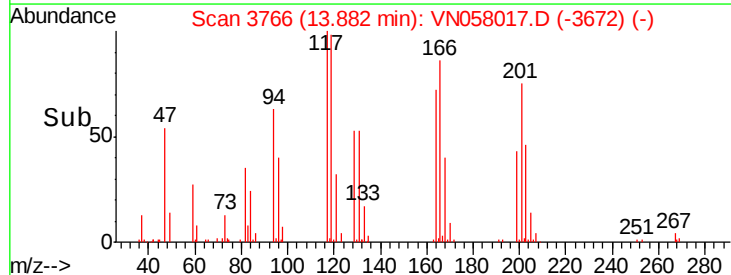
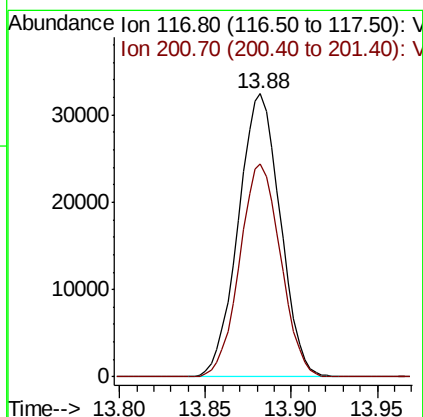
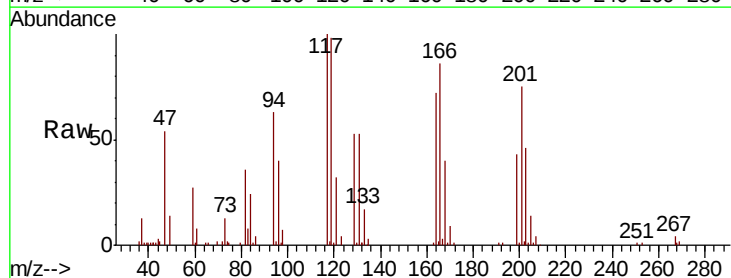
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

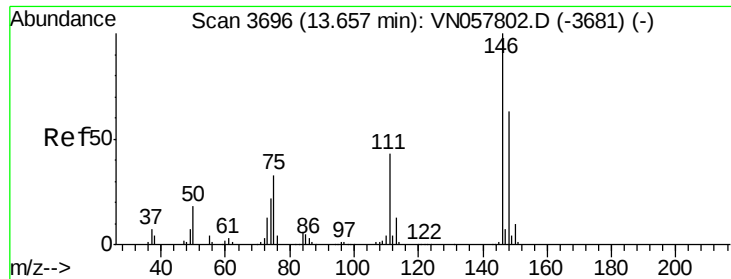
Tgt Ion: 91 Resp: 355138
Ion Ratio Lower Upper
91 100
92 50.9 25.7 77.0
134 23.8 11.9 35.7



#90
Hexachloroethane
Concen: 19.222 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Tgt Ion: 117 Resp: 54923
Ion Ratio Lower Upper
117 100
201 73.5 37.5 112.7





#91

1,2-Dichlorobenzene

Concen: 19.583 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

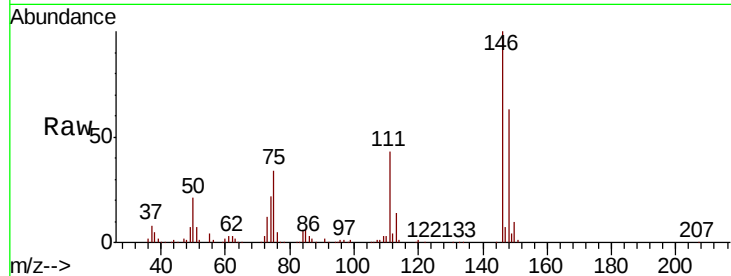
Tgt Ion:146 Resp: 196107

Ion Ratio Lower Upper

146 100

111 43.4 21.3 63.9

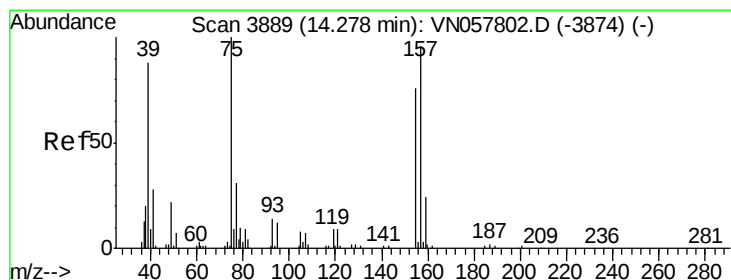
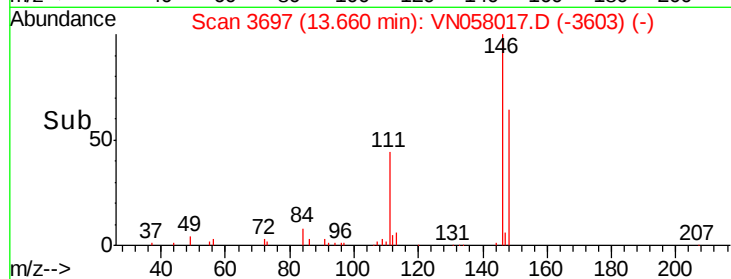
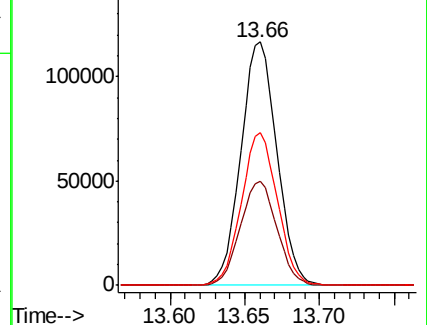
148 62.5 31.4 94.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.310 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

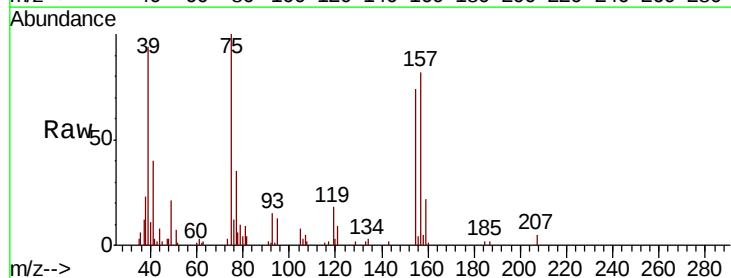
Tgt Ion: 75 Resp: 23519

Ion Ratio Lower Upper

75 100

155 76.0 37.3 111.8

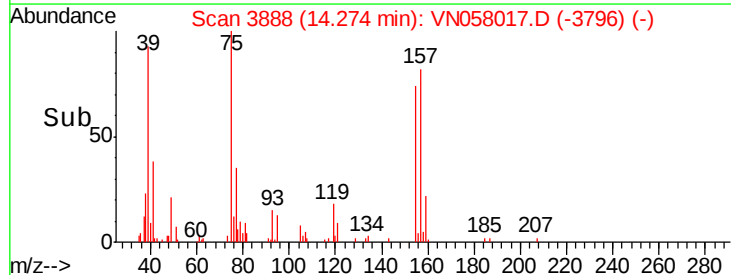
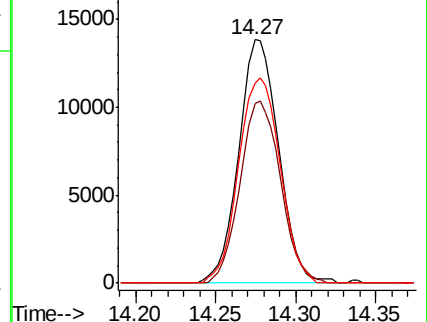
157 87.9 47.9 143.8

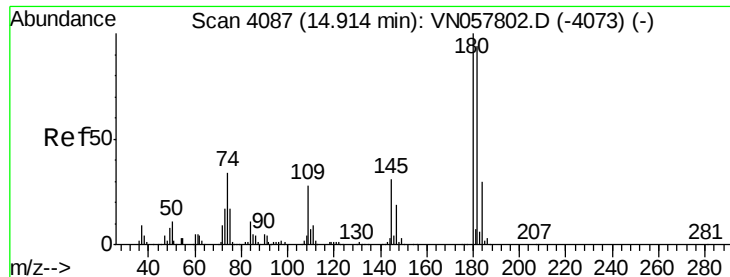


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

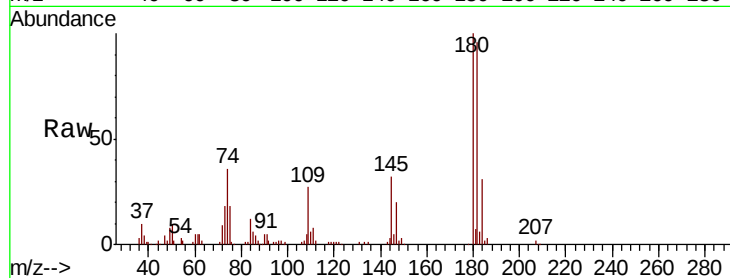




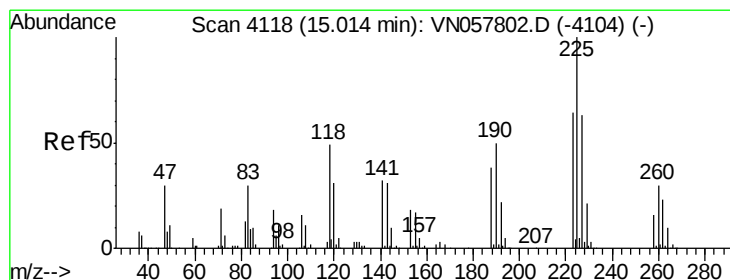
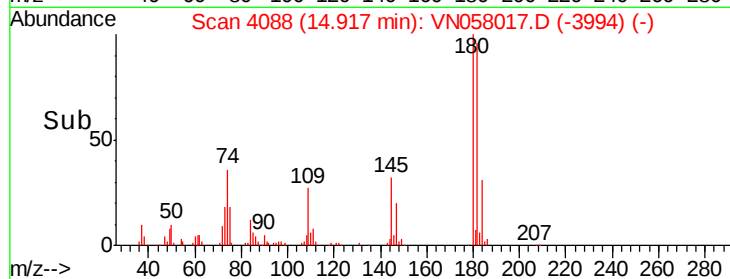
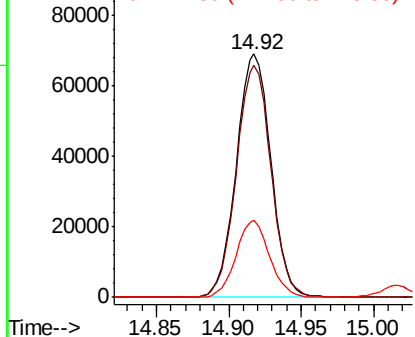
#93
 1,2,4-Trichlorobenzene
 Concen: 17.498 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

Tgt Ion:180 Resp: 114533
 Ion Ratio Lower Upper
 180 100
 182 95.5 46.9 140.8
 145 30.5 14.9 44.7

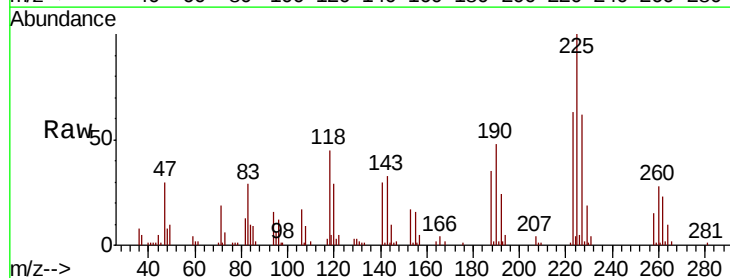


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

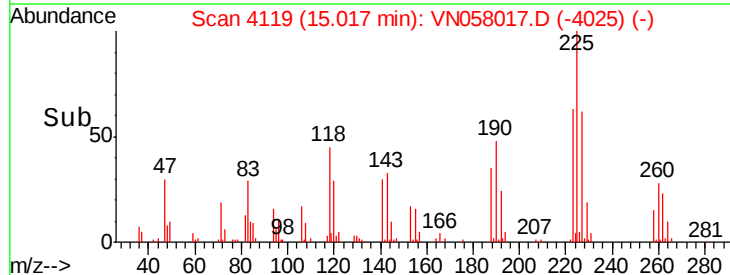
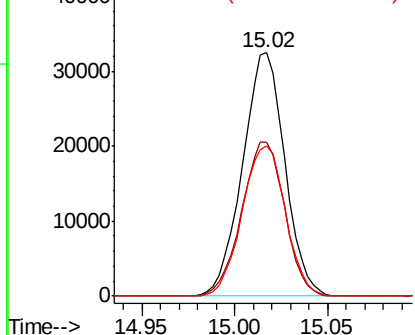


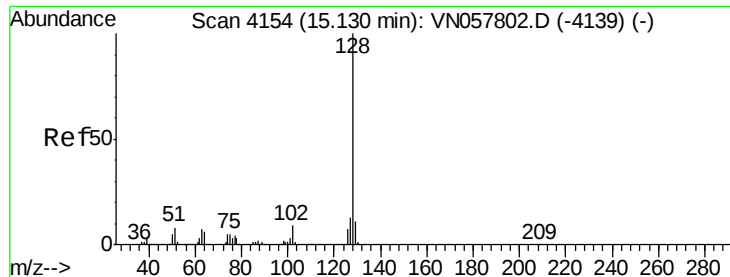
#94
 Hexachlorobutadiene
 Concen: 18.620 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Tgt Ion:225 Resp: 51665
 Ion Ratio Lower Upper
 225 100
 223 64.1 32.4 97.2
 227 62.9 31.8 95.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.087 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

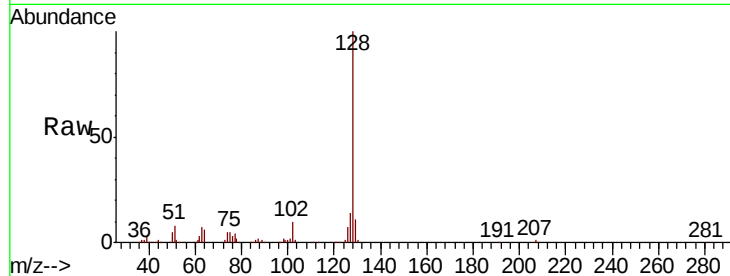
Tgt Ion:128 Resp: 315461

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 10.5 8.6 12.8

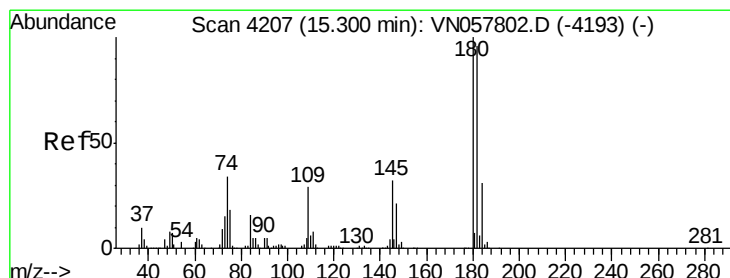
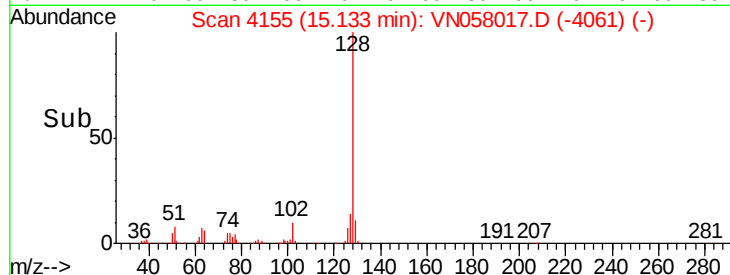
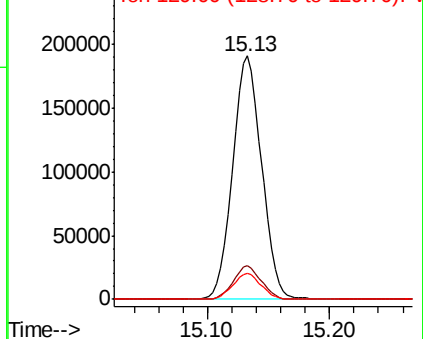


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.253 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

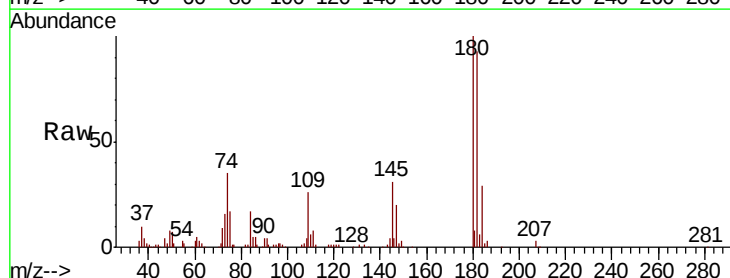
Tgt Ion:180 Resp: 112270

Ion Ratio Lower Upper

180 100

182 94.8 48.3 144.8

145 31.2 16.3 48.8



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

