

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091419\
 Data File : VN058014.D
 Acq On : 13 Sep 2019 13:30
 Operator : JC/SP
 Sample : VN0914WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

Quant Time: Sep 14 02:18:52 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	310461	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	507712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	467824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	272012	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	325995	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
35) Dibromofluoromethane	7.57	113	229056	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
50) Toluene-d8	10.08	98	917444	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.41	95	314081	45.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	84165	19.603	ug/l	98
3) Chloromethane	2.04	50	74433	17.009	ug/l	96
4) Vinyl Chloride	2.17	62	75493	16.300	ug/l	100
5) Bromomethane	2.53	94	44211	16.347	ug/l	97
6) Chloroethane	2.67	64	49762	16.861	ug/l	100
7) Trichlorofluoromethane	3.00	101	104356	17.905	ug/l	98
8) Diethyl Ether	3.39	74	48487	19.946	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	75217	20.457	ug/l	99
10) Methyl Iodide	3.93	142	67211	16.427	ug/l	96
11) Tert butyl alcohol	4.77	59	57282	75.265	ug/l	97
12) 1,1-Dichloroethene	3.72	96	59900	18.119	ug/l	91
13) Acrolein	3.59	56	6666	10.324	ug/l	92
14) Allyl chloride	4.30	41	116019	17.933	ug/l	97
15) Acrylonitrile	4.96	53	211171	100.949	ug/l	100
16) Acetone	3.80	43	174069	84.443	ug/l	98
17) Carbon Disulfide	4.03	76	81363	15.922	ug/l	99
18) Methyl Acetate	4.30	43	118180	21.502	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	282534	20.536	ug/l	98
20) Methylene Chloride	4.53	84	85083	20.966	ug/l	96
21) trans-1,2-Dichloroethene	5.02	96	66391	18.578	ug/l	94
22) Diisopropyl ether	5.93	45	316079	20.833	ug/l	98
23) Vinyl Acetate	5.87	43	1100690	102.368	ug/l	98
24) 1,1-Dichloroethane	5.83	63	168520	20.324	ug/l	99
25) 2-Butanone	6.82	43	280296	93.948	ug/l	98
26) 2,2-Dichloropropane	6.81	77	122044	18.599	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	92519	19.319	ug/l	97
28) Bromochloromethane	7.18	49	82014	19.798	ug/l	95
29) Tetrahydrofuran	7.19	42	175634	95.533	ug/l	99
30) Chloroform	7.36	83	173788	20.045	ug/l	97
31) Cyclohexane	7.64	56	118377	19.590	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	134743	19.596	ug/l	99
36) 1,1-Dichloropropene	7.78	75	108031	18.347	ug/l	99
37) Ethyl Acetate	6.91	43	115890	19.050	ug/l	100
38) Carbon Tetrachloride	7.76	117	103909	19.329	ug/l	99

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 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	112605	18.192	ug/l	98
40) Benzene	8.03	78	351499	19.828	ug/l	99
41) Methacrylonitrile	7.19	41	177859	64.406	ug/l #	16
42) 1,2-Dichloroethane	8.11	62	144016	20.313	ug/l	100
43) Isopropyl Acetate	8.15	43	215734	21.087	ug/l #	88
44) Trichloroethene	8.82	130	85666	19.703	ug/l	99
45) 1,2-Dichloropropane	9.11	63	103271	20.020	ug/l	99
46) Dibromomethane	9.20	93	62075	19.915	ug/l	98
47) Bromodichloromethane	9.40	83	123790	19.888	ug/l	100
48) Methyl methacrylate	9.19	41	98833	19.044	ug/l	100
49) 1,4-Dioxane	9.20	88	21942	250.022	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	623835	103.043	ug/l	98
52) Toluene	10.15	92	213978	19.165	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	121259	18.499	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	139775	19.314	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	96493	20.403	ug/l	98
56) Ethyl methacrylate	10.43	69	134963	18.950	ug/l	98
57) 1,3-Dichloropropane	10.71	76	163529	20.063	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	308046	91.833	ug/l	100
59) 2-Hexanone	10.75	43	431319	95.051	ug/l	99
60) Dibromochloromethane	10.90	129	81294	18.511	ug/l	98
61) 1,2-Dibromoethane	11.00	107	88410	19.773	ug/l	100
64) Tetrachloroethene	10.63	164	67645	19.584	ug/l	93
65) Chlorobenzene	11.43	112	240835	19.671	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	83919	19.753	ug/l	98
67) Ethyl Benzene	11.51	91	430866	20.081	ug/l	99
68) m/p-Xylenes	11.62	106	312851	39.805	ug/l	99
69) o-Xylene	11.95	106	155725	19.930	ug/l	98
70) Styrene	11.97	104	269854	20.068	ug/l	100
71) Bromoform	12.13	173	47484	17.927	ug/l #	99
73) Isopropylbenzene	12.25	105	437910	20.747	ug/l	100
74) N-amyl acetate	12.07	43	179258	19.514	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	140926	19.830	ug/l	97
76) 1,2,3-Trichloropropane	12.56	75	163979	26.649	ug/l #	100
77) Bromobenzene	12.53	156	100279	19.055	ug/l	98
78) n-propylbenzene	12.60	91	505485	20.855	ug/l	99
79) 2-Chlorotoluene	12.68	91	306001	19.975	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	368968	20.689	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	26350	15.069	ug/l #	78
82) 4-Chlorotoluene	12.78	91	309250	19.658	ug/l	100
83) tert-Butylbenzene	13.00	119	317503	20.028	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	366616	20.226	ug/l	100
85) sec-Butylbenzene	13.18	105	434157	20.662	ug/l	100
86) p-Isopropyltoluene	13.29	119	381879	20.627	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	190956	19.769	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	189780	19.356	ug/l	99
89) n-Butylbenzene	13.62	91	341597	19.538	ug/l	99
90) Hexachloroethane	13.88	117	51198	18.595	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	192920	19.992	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	22632	19.283	ug/l	98

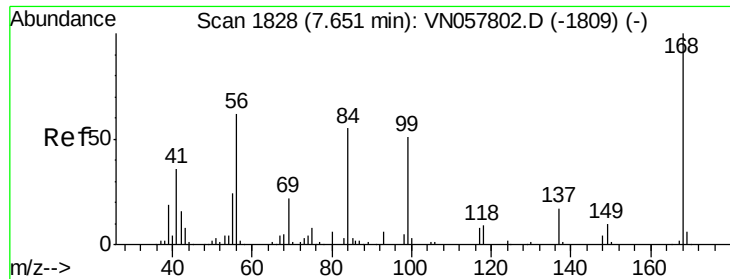
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	112274	17.800	ug/l	98
94) Hexachlorobutadiene	15.01	225	50968	19.062	ug/l	98
95) Naphthalene	15.13	128	317722	18.978	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	109552	20.496	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampled :

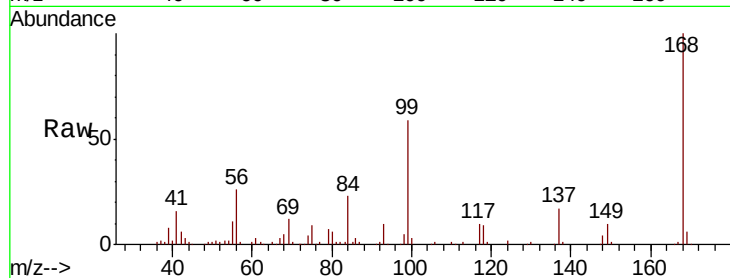
VN0914WBS02

Tgt Ion:168 Resp: 310461

Ion Ratio Lower Upper

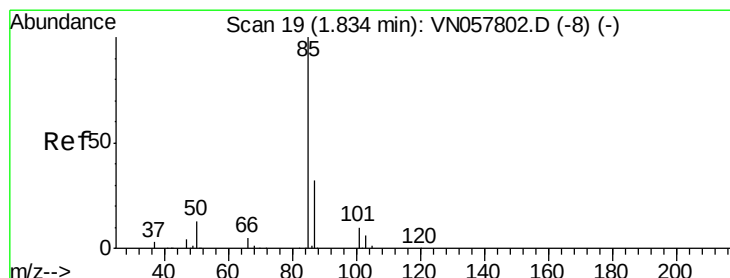
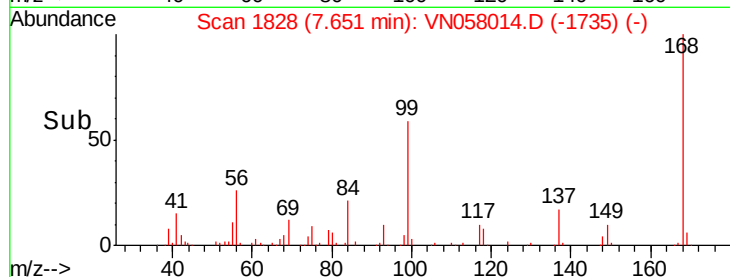
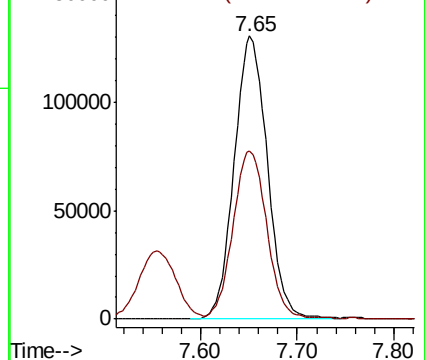
168 100

99 59.2 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.603 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058014.D

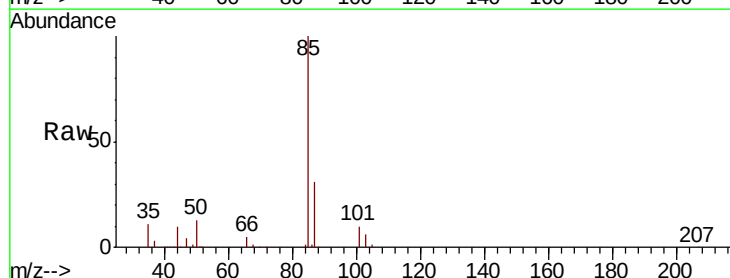
Acq: 13 Sep 2019 13:30

Tgt Ion: 85 Resp: 84165

Ion Ratio Lower Upper

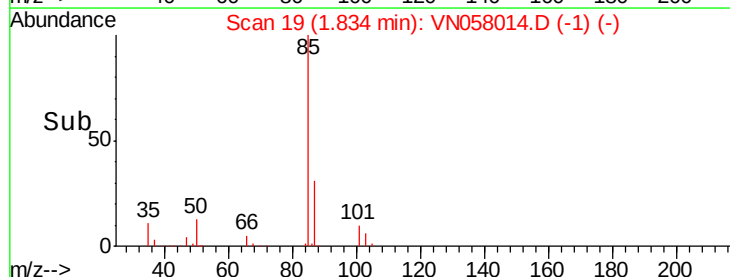
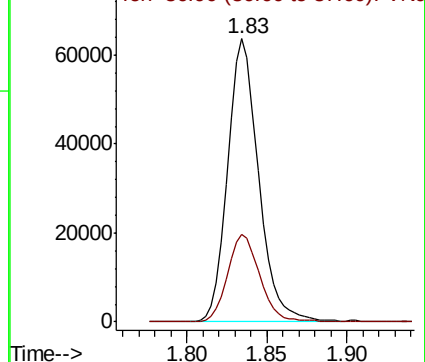
85 100

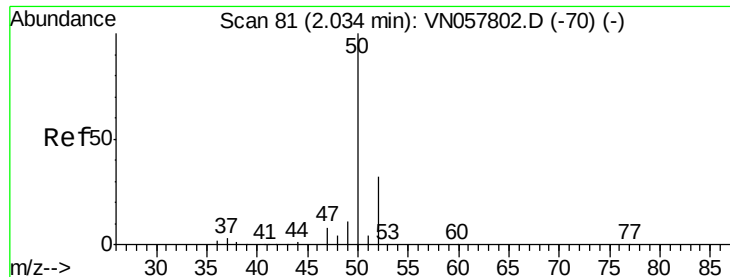
87 30.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.009 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

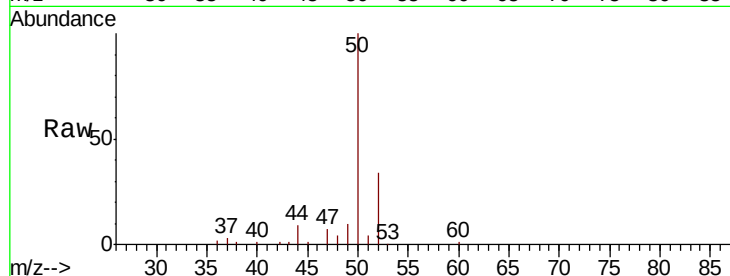
VN0914WBS02

Tgt Ion: 50 Resp: 74433

Ion Ratio Lower Upper

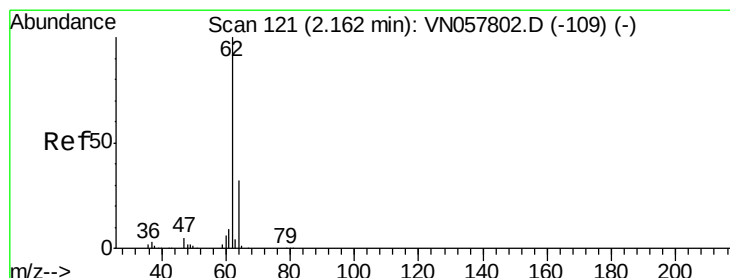
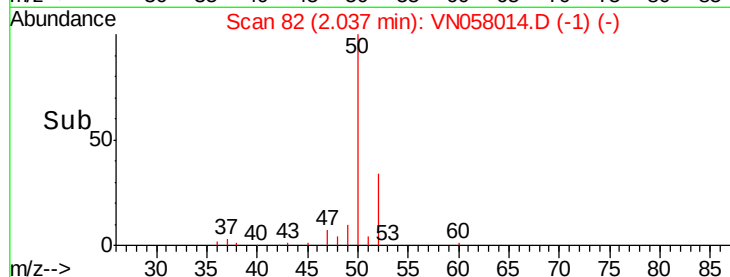
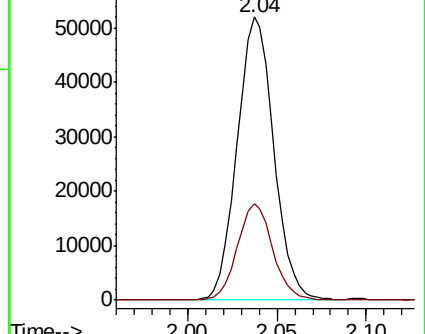
50 100

52 34.1 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 16.300 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058014.D

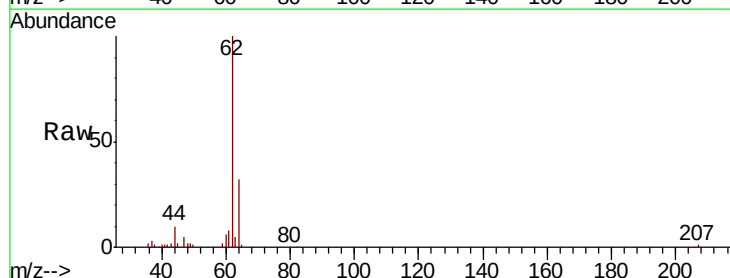
Acq: 13 Sep 2019 13:30

Tgt Ion: 62 Resp: 75493

Ion Ratio Lower Upper

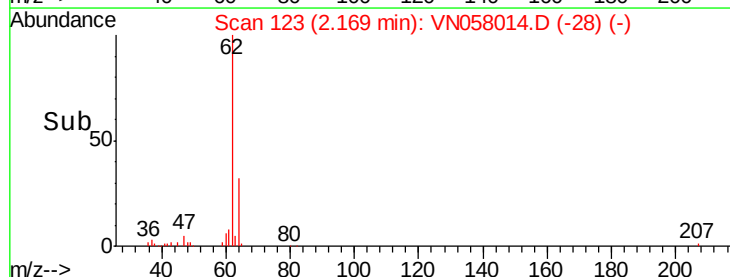
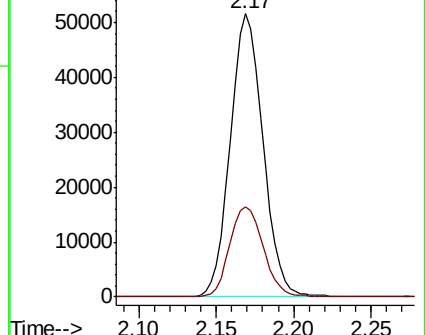
62 100

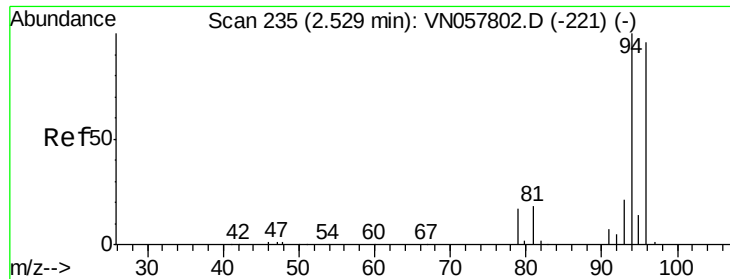
64 32.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 16.347 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

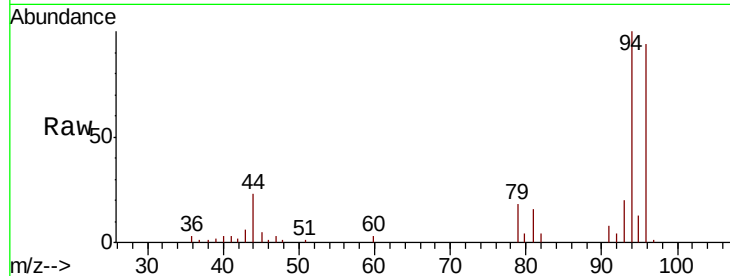
VN0914WBS02

Tgt Ion: 94 Resp: 44211

Ion Ratio Lower Upper

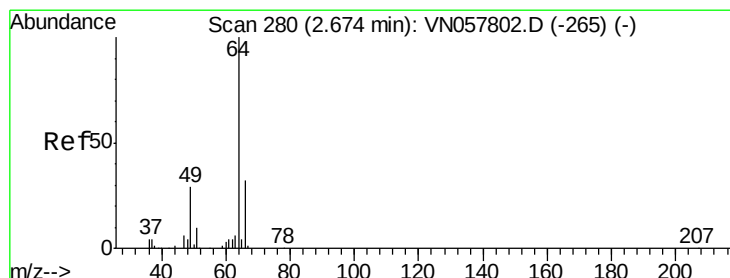
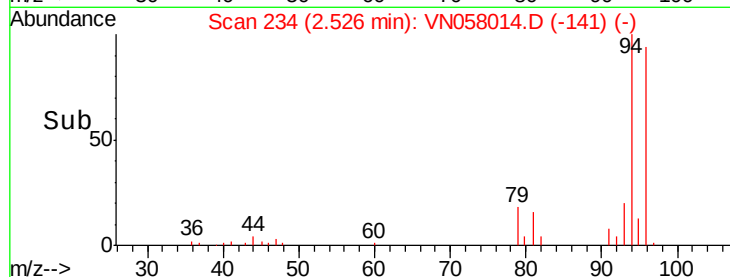
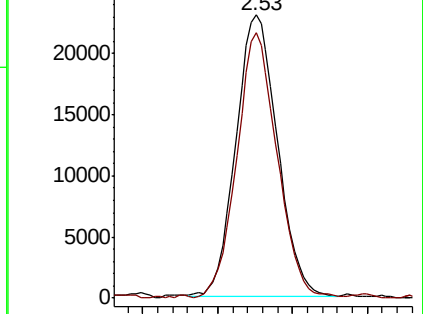
94 100

96 93.7 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: 16.861 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN058014.D

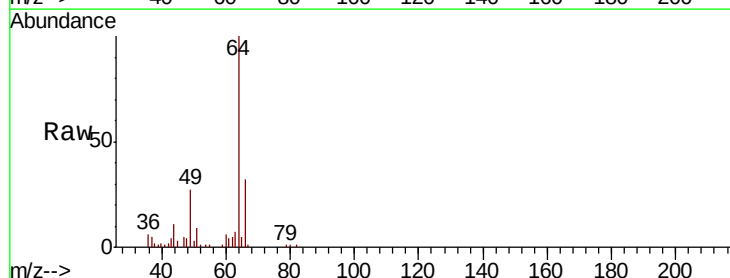
Acq: 13 Sep 2019 13:30

Tgt Ion: 64 Resp: 49762

Ion Ratio Lower Upper

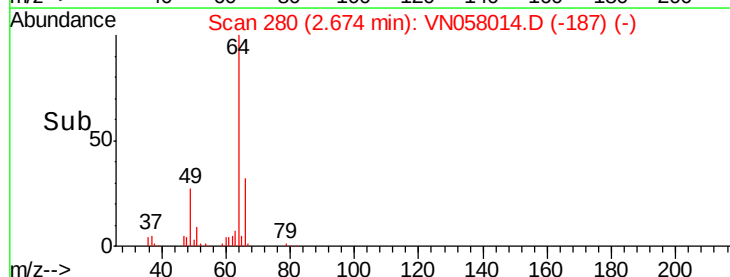
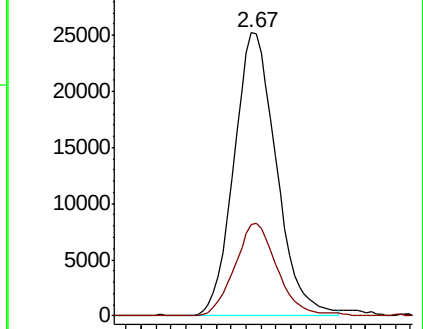
64 100

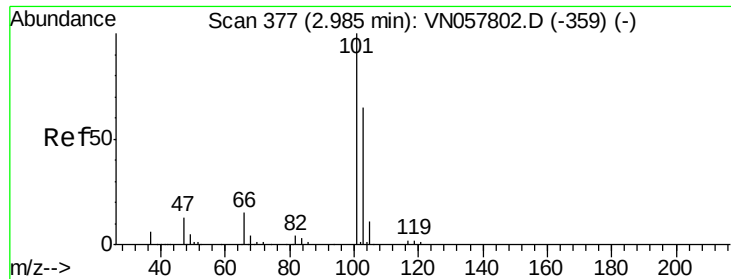
66 32.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



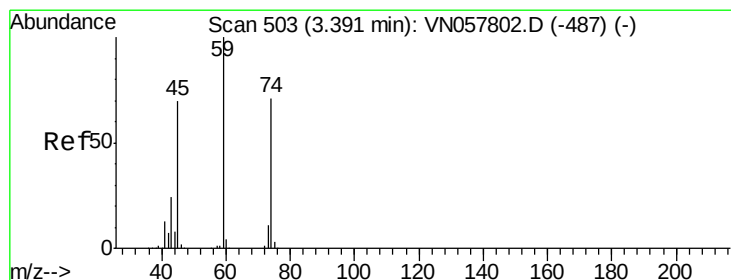
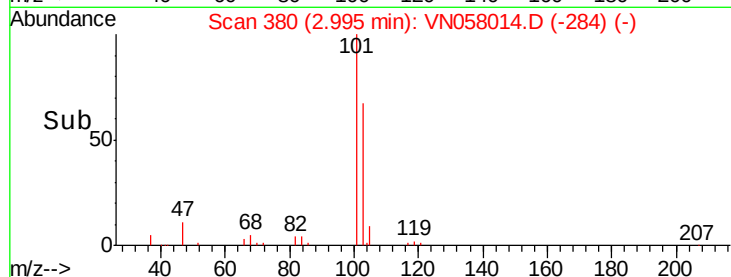
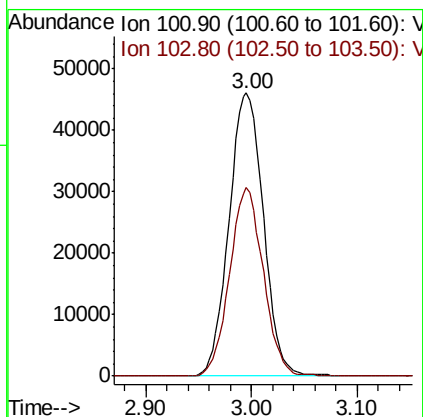
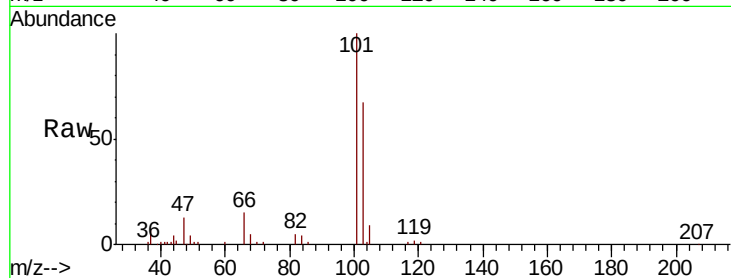


#7

Trichlorofluoromethane
Concen: 17.905 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.01 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

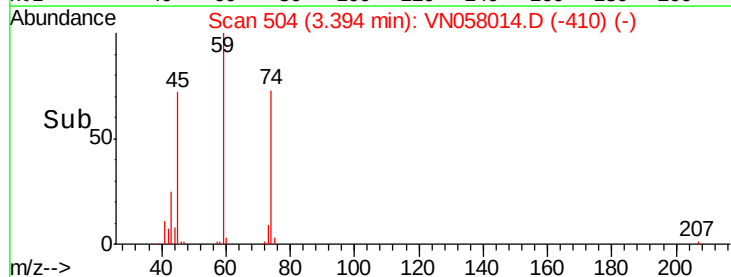
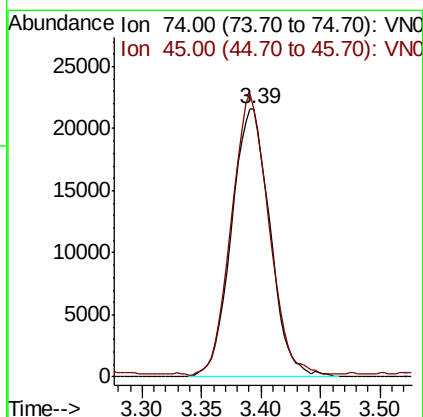
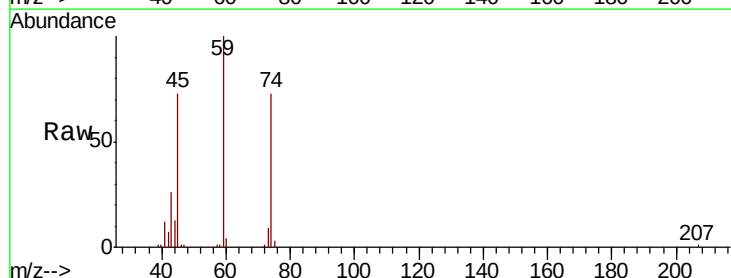
Tgt Ion:101 Resp: 104356
Ion Ratio Lower Upper
101 100
103 66.6 51.9 77.9

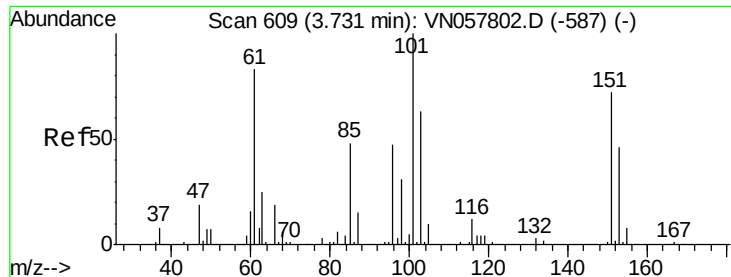


#8

Diethyl Ether
Concen: 19.946 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Tgt Ion: 74 Resp: 48487
Ion Ratio Lower Upper
74 100
45 100.9 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.457 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.01 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

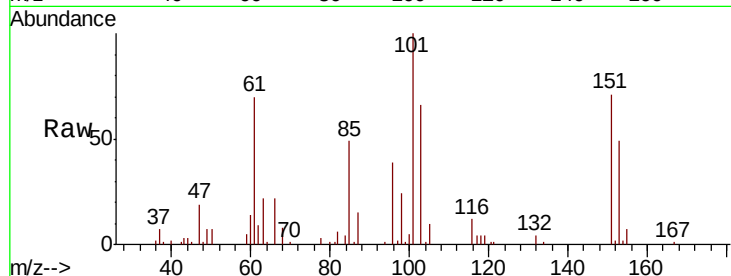
Tgt Ion:101 Resp: 75217

Ion Ratio Lower Upper

101 100

85 46.5 38.1 57.1

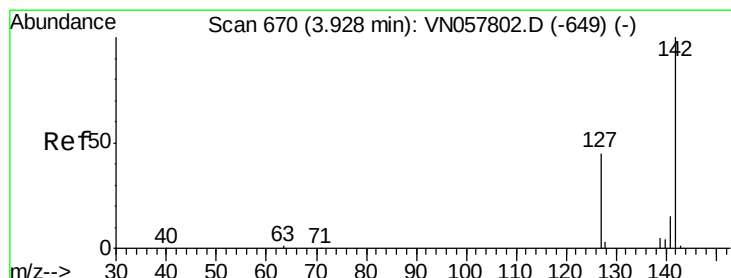
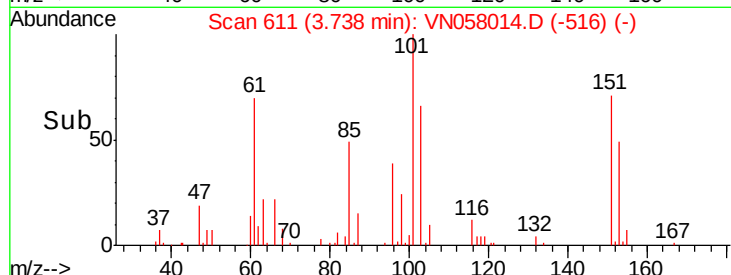
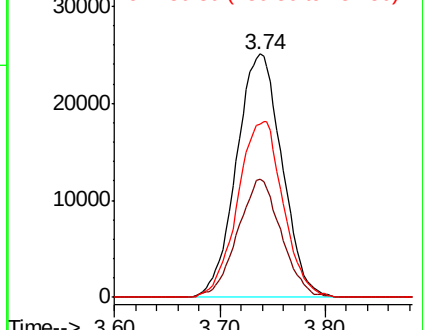
151 72.2 58.4 87.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.427 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

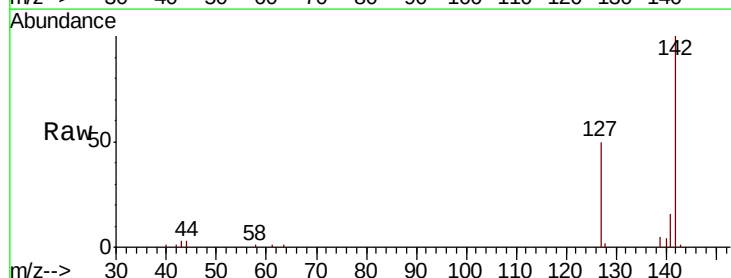
Tgt Ion:142 Resp: 67211

Ion Ratio Lower Upper

142 100

127 48.6 36.7 55.1

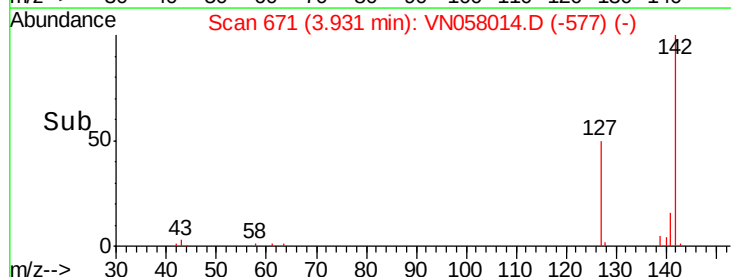
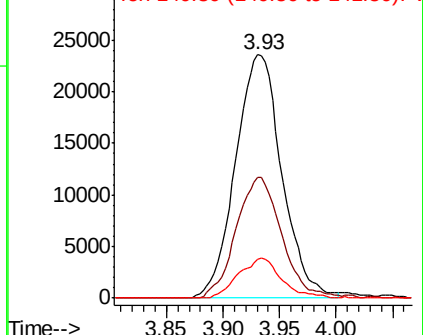
141 15.1 11.4 17.0

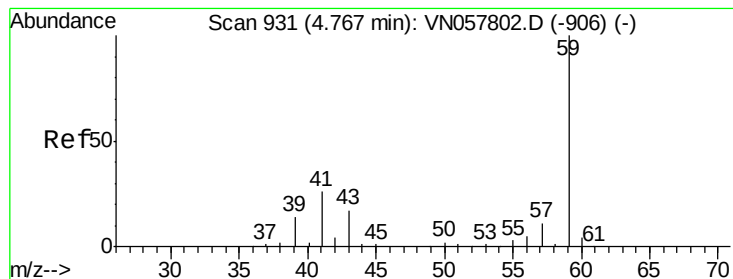


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 75.265 ug/l

RT: 4.77 min Scan# 931

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

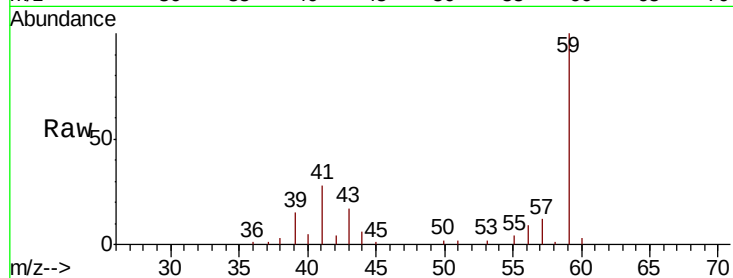
VN0914WBS02

Tgt Ion: 59 Resp: 57282

Ion Ratio Lower Upper

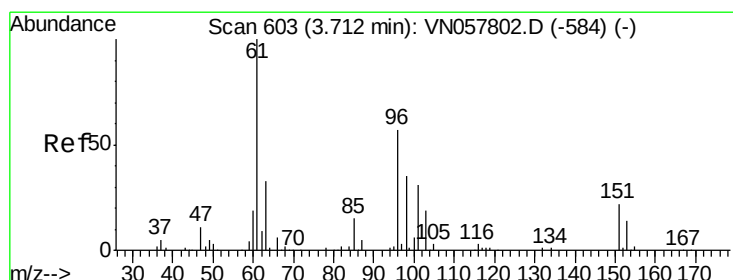
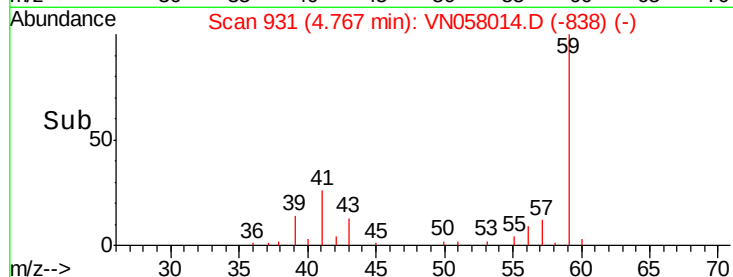
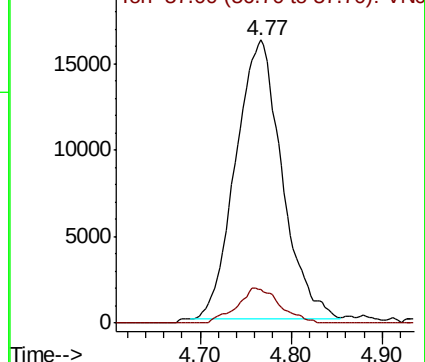
59 100

57 11.6 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: 18.119 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

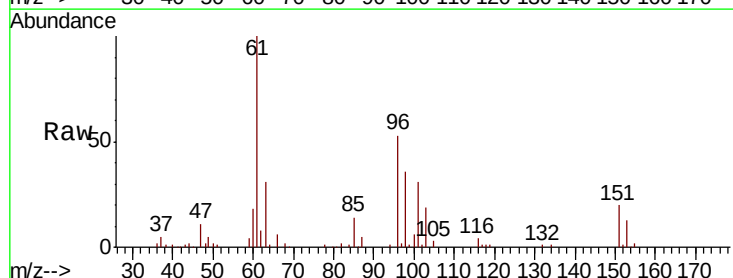
Tgt Ion: 96 Resp: 59900

Ion Ratio Lower Upper

96 100

61 190.0 141.2 211.8

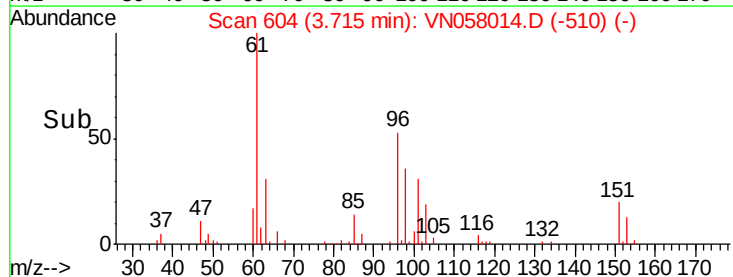
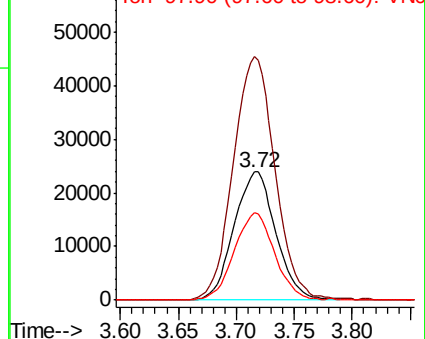
98 68.6 49.9 74.9

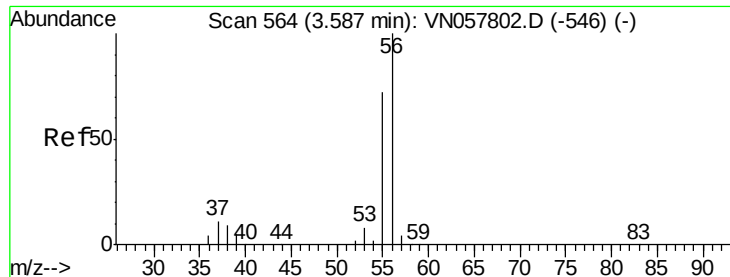


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 10.324 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

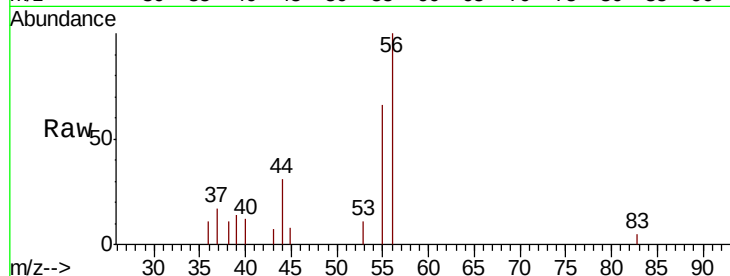
VN0914WBS02

Tgt Ion: 56 Resp: 6666

Ion Ratio Lower Upper

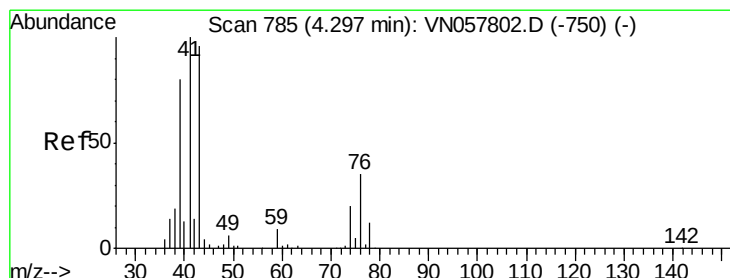
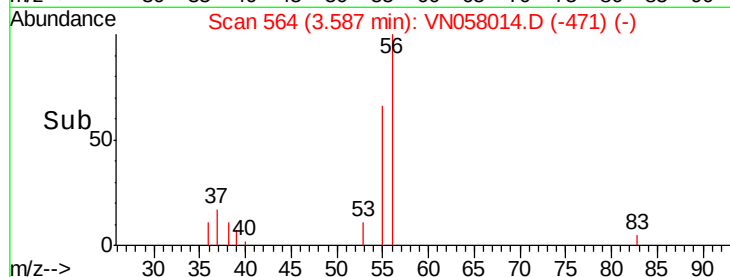
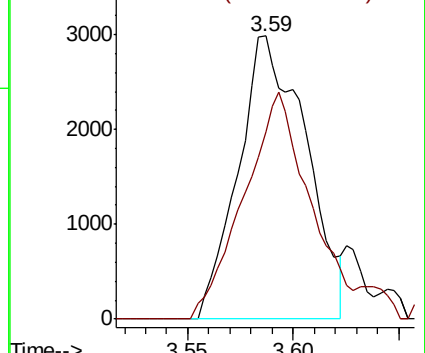
56 100

55 78.0 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.933 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

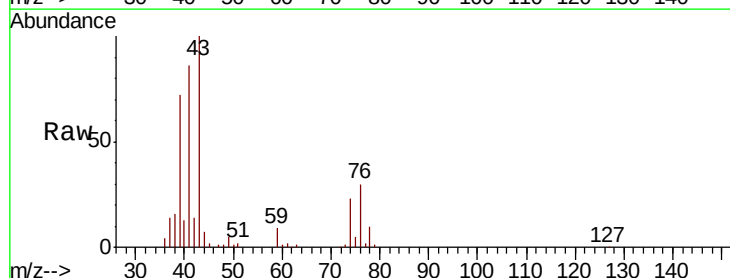
Tgt Ion: 41 Resp: 116019

Ion Ratio Lower Upper

41 100

39 76.2 59.4 89.2

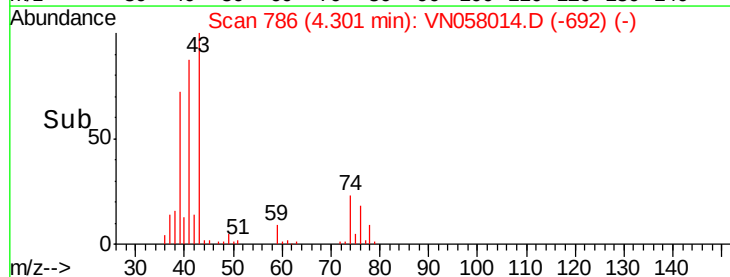
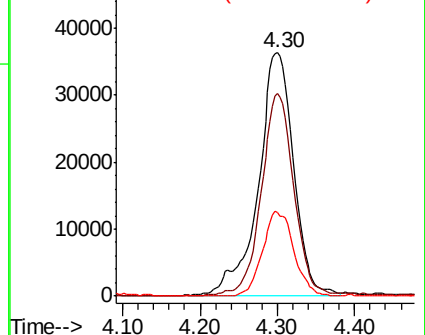
76 30.5 26.0 39.0

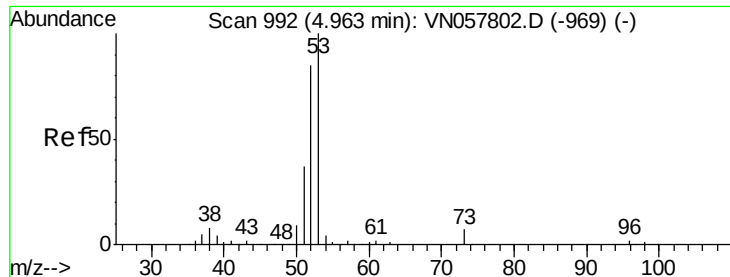


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 100.949 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

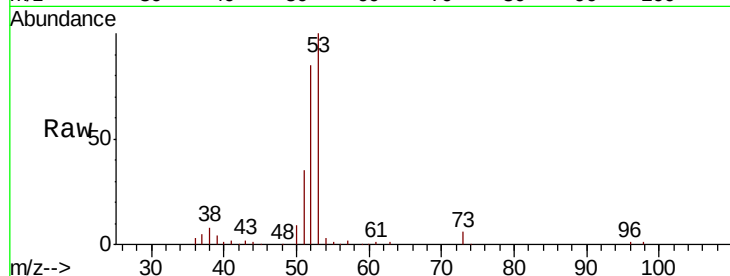
Tgt Ion: 53 Resp: 211171

Ion Ratio Lower Upper

53 100

52 83.0 66.6 100.0

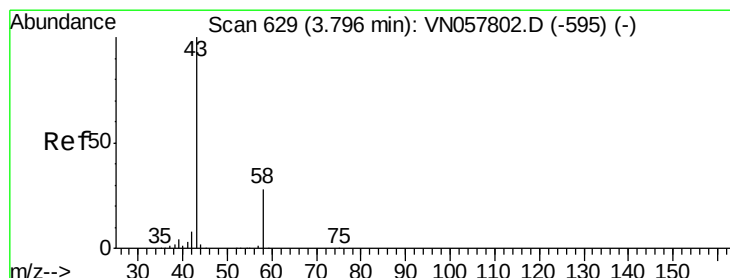
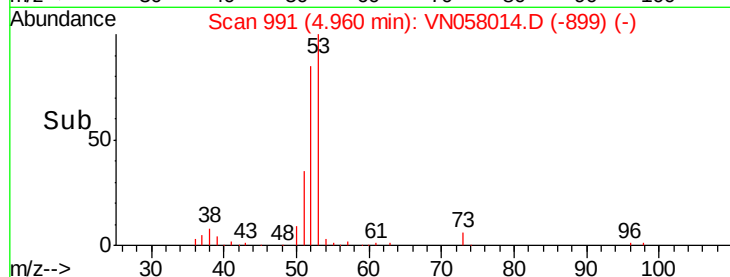
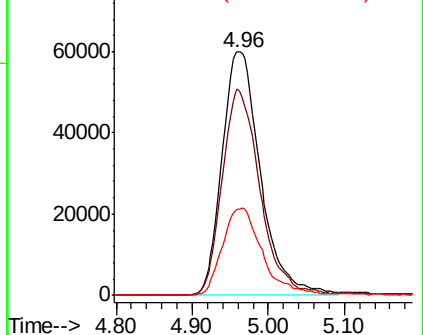
51 37.0 29.8 44.8



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: 84.443 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058014.D

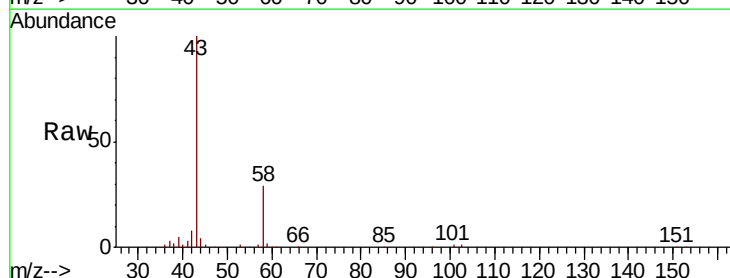
Acq: 13 Sep 2019 13:30

Tgt Ion: 43 Resp: 174069

Ion Ratio Lower Upper

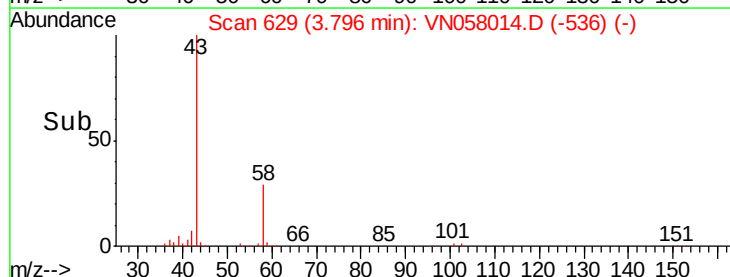
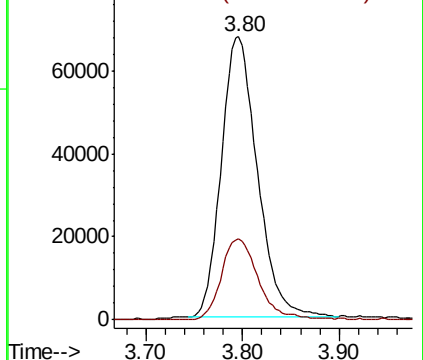
43 100

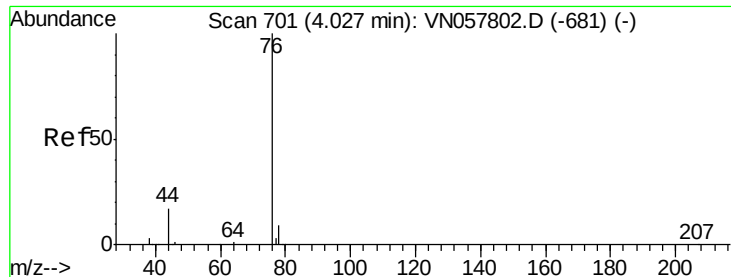
58 29.0 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 15.922 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

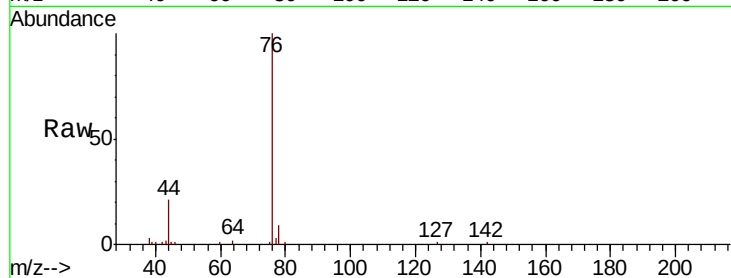
VN0914WBS02

Tgt Ion: 76 Resp: 81363

Ion Ratio Lower Upper

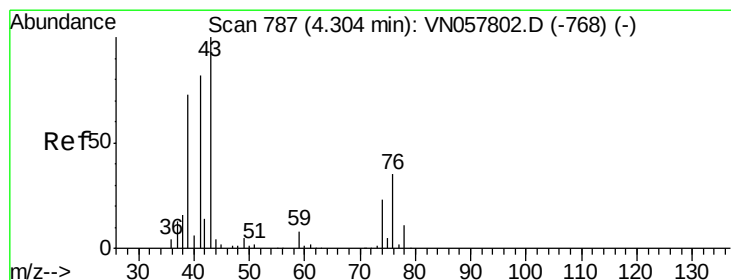
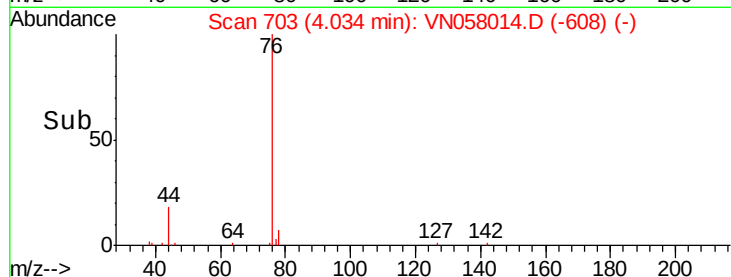
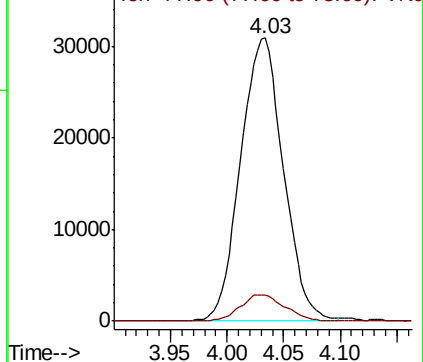
76 100

78 9.4 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: 21.502 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058014.D

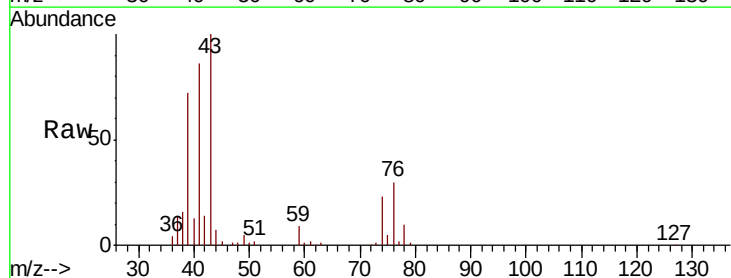
Acq: 13 Sep 2019 13:30

Tgt Ion: 43 Resp: 118180

Ion Ratio Lower Upper

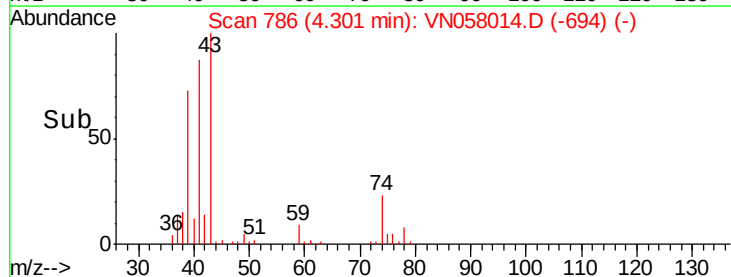
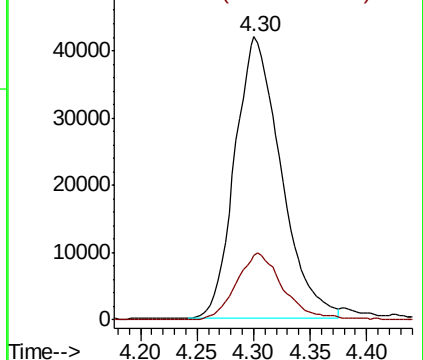
43 100

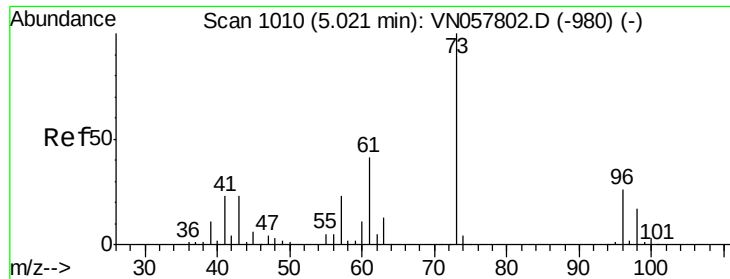
74 23.9 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

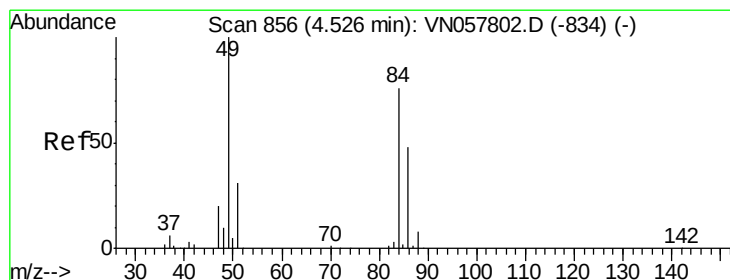
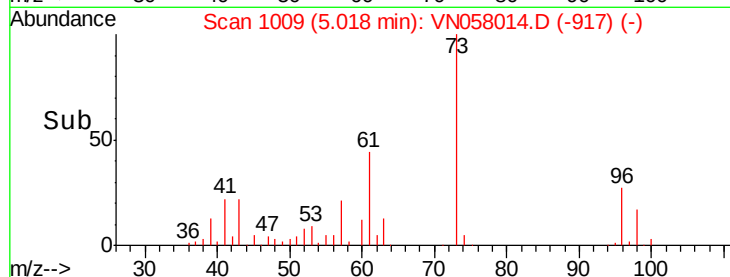
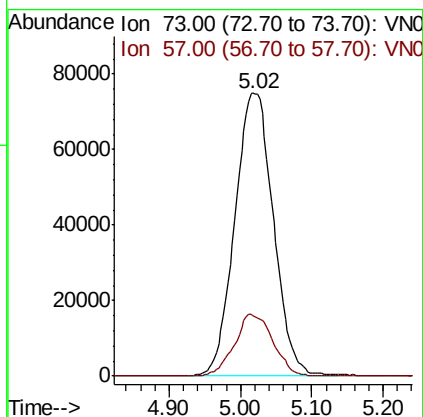
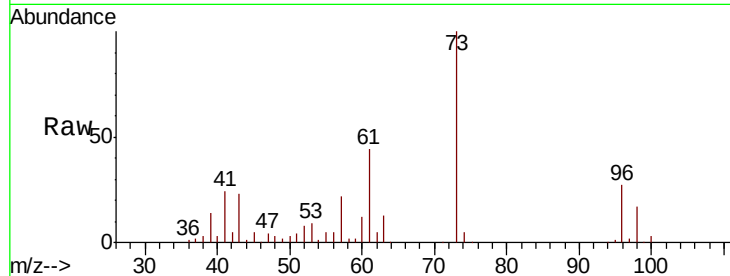




#19
Methyl tert-butyl Ether
Concen: 20.536 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

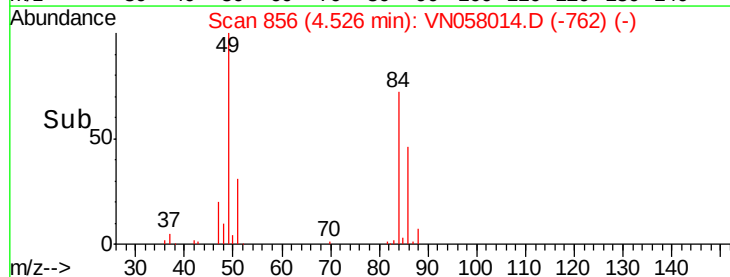
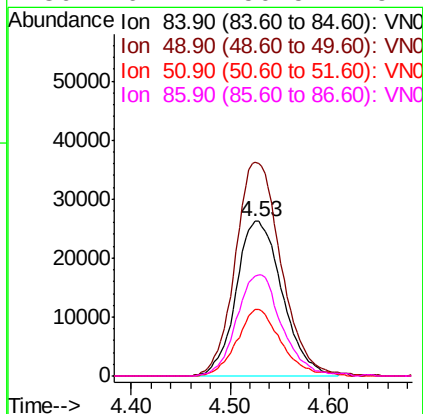
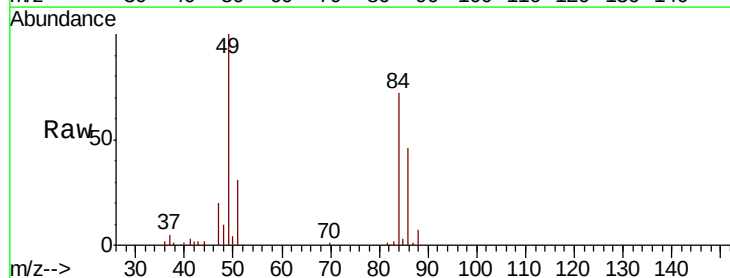
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

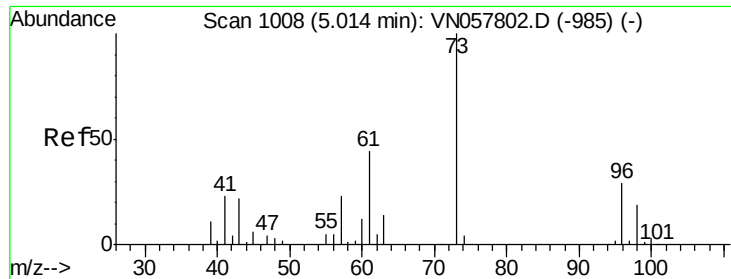
Tgt Ion: 73 Resp: 282534
Ion Ratio Lower Upper
73 100
57 21.5 18.2 27.2



#20
Methylene Chloride
Concen: 20.966 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Tgt Ion: 84 Resp: 85083
Ion Ratio Lower Upper
84 100
49 138.0 104.8 157.2
51 42.9 33.0 49.4
86 64.2 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 18.578 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

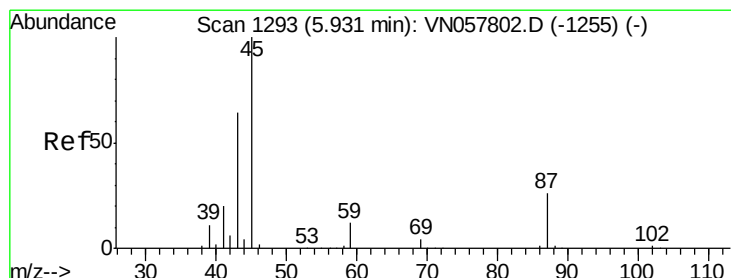
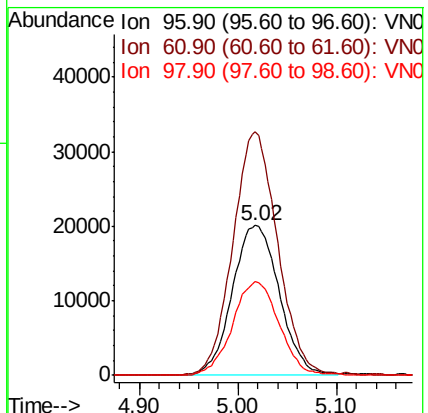
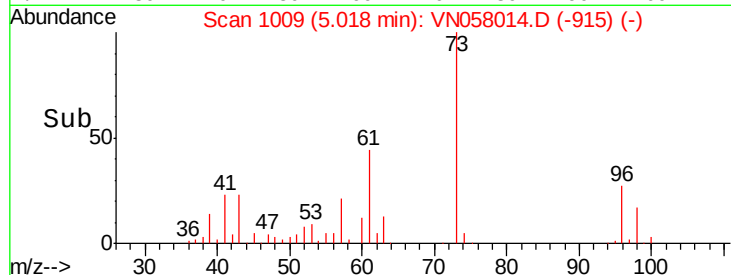
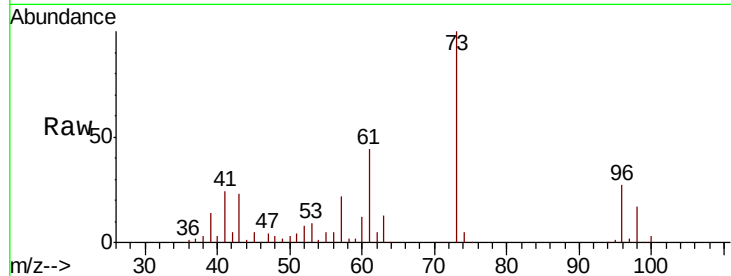
Tgt Ion: 96 Resp: 66391

Ion Ratio Lower Upper

96 100

61 160.8 121.9 182.9

98 62.7 52.2 78.4



#22

Diisopropyl ether

Concen: 20.833 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Tgt Ion: 45 Resp: 316079

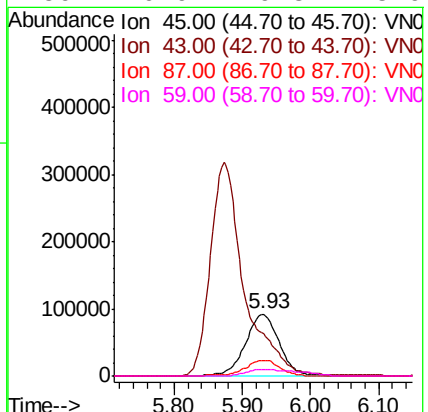
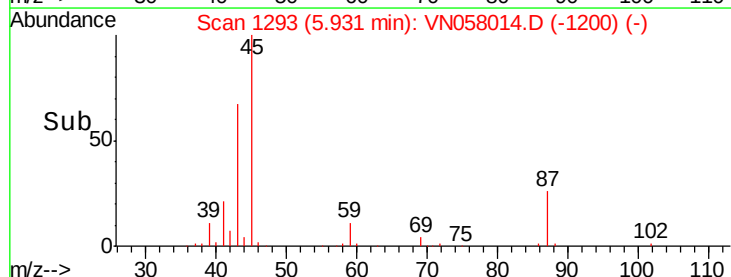
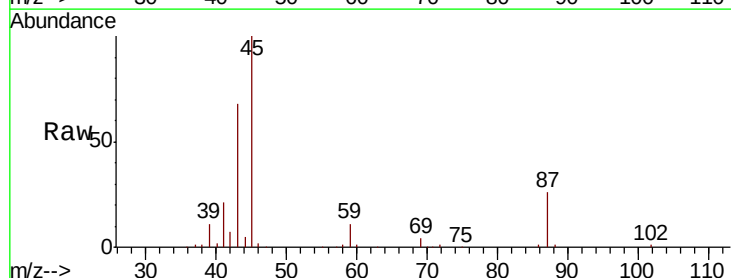
Ion Ratio Lower Upper

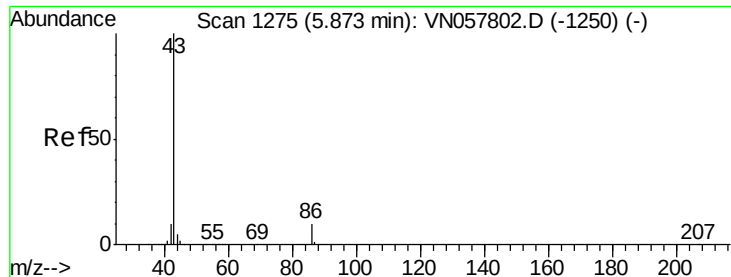
45 100

43 65.5 51.4 77.2

87 25.6 21.3 31.9

59 10.9 9.3 13.9

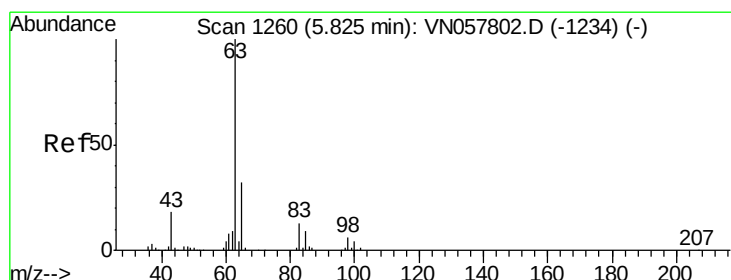
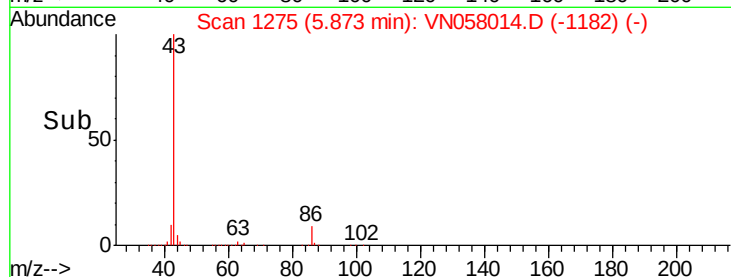
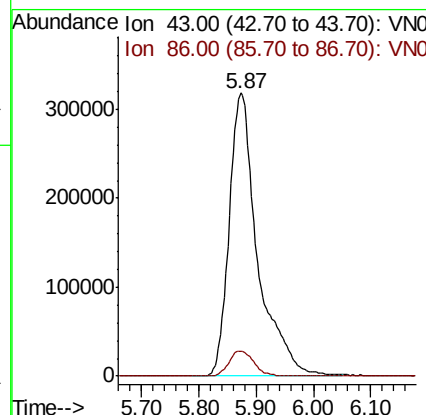
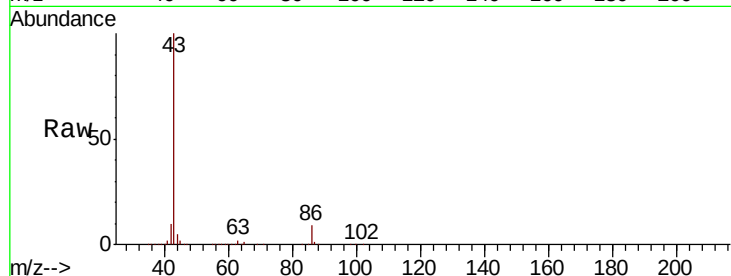




#23
 Vinyl Acetate
 Concen: 102.368 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

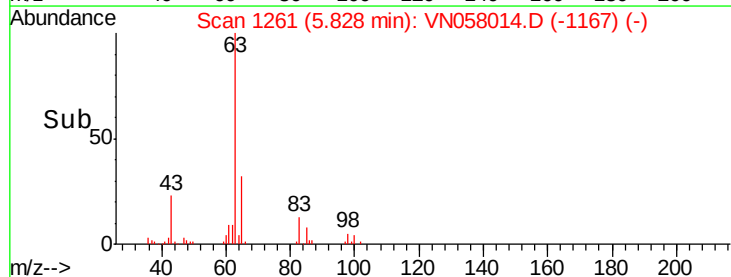
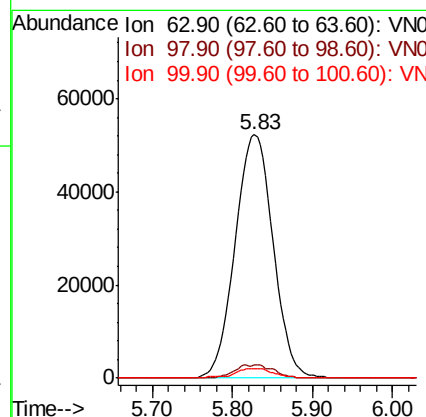
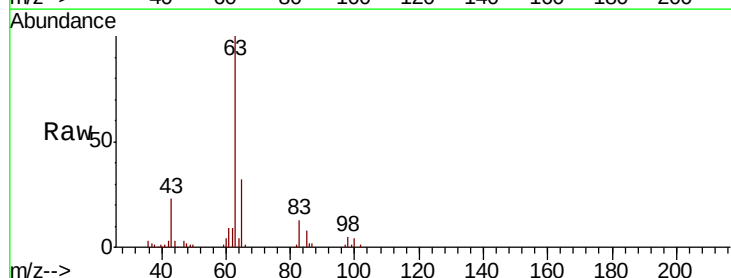
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

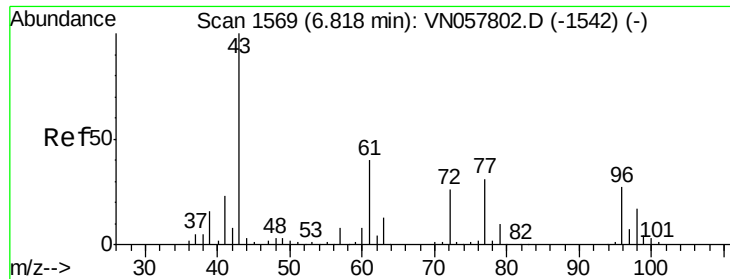
Tgt Ion: 43 Resp: 1100690
 Ion Ratio Lower Upper
 43 100
 86 8.8 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 20.324 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Tgt Ion: 63 Resp: 168520
 Ion Ratio Lower Upper
 63 100
 98 5.4 3.0 9.2
 100 3.9 2.0 5.8





#25

2-Butanone

Concen: 93.948 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

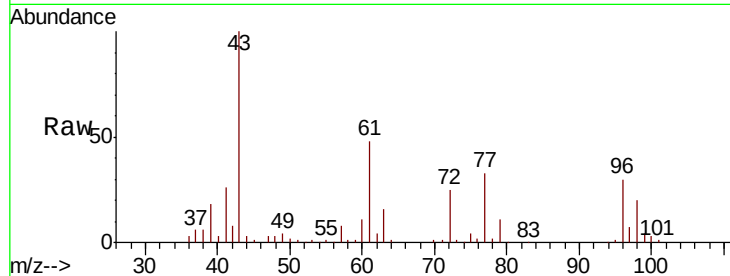
VN0914WBS02

Tgt Ion: 43 Resp: 280296

Ion Ratio Lower Upper

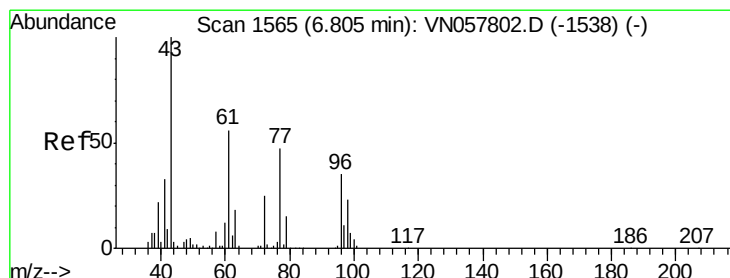
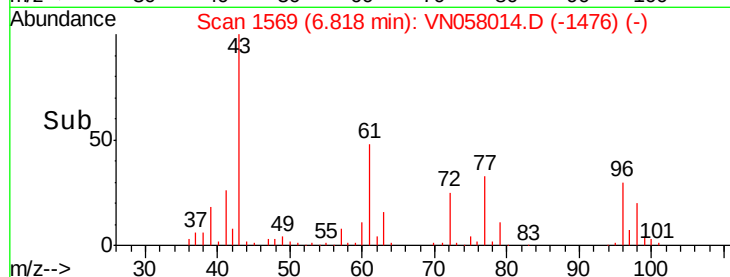
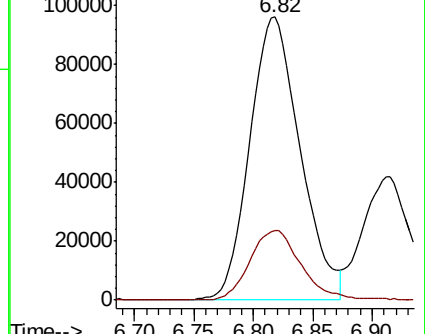
43 100

72 24.9 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 18.599 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058014.D

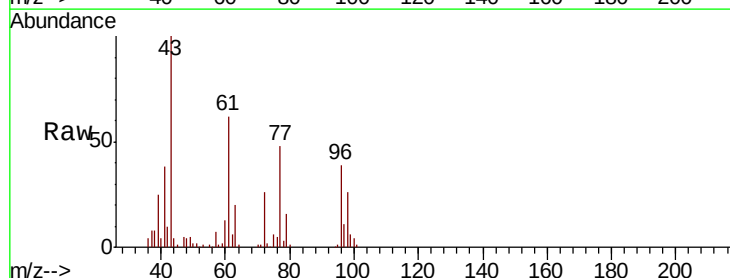
Acq: 13 Sep 2019 13:30

Tgt Ion: 77 Resp: 122044

Ion Ratio Lower Upper

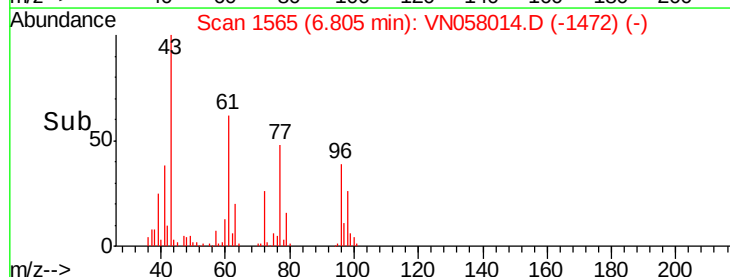
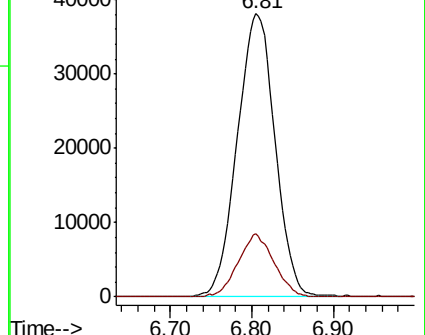
77 100

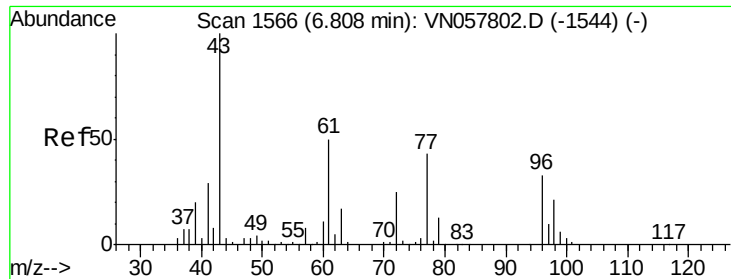
97 21.1 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.319 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

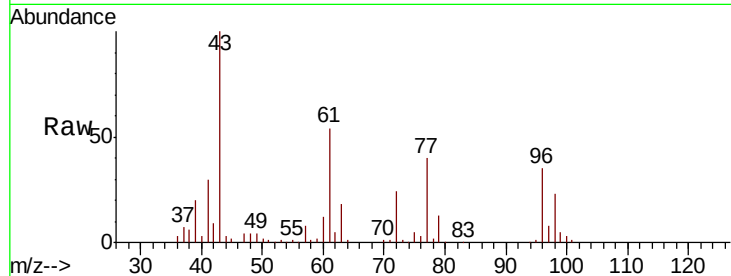
Tgt Ion: 96 Resp: 92519

Ion Ratio Lower Upper

96 100

61 160.9 0.0 314.0

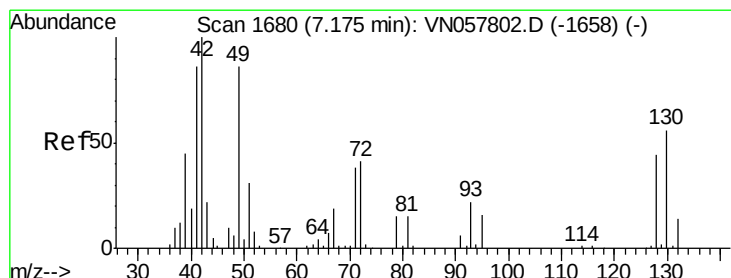
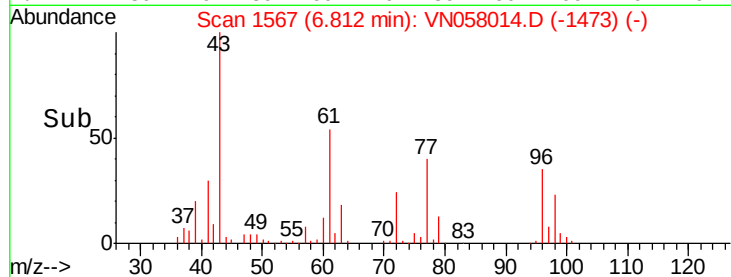
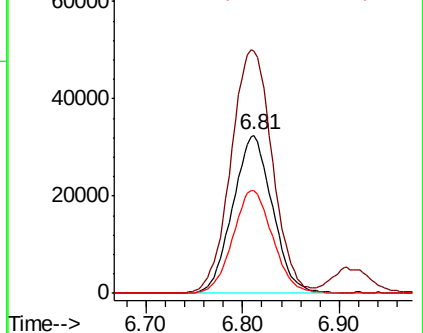
98 65.6 0.0 128.6



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: 19.798 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

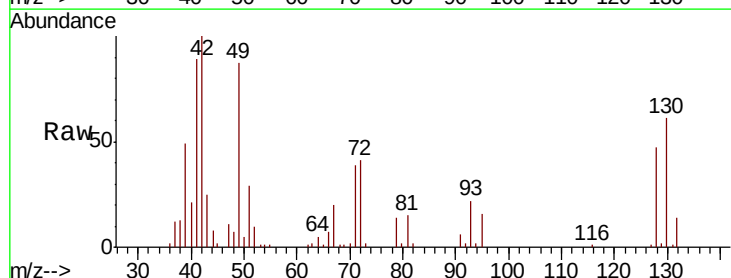
Tgt Ion: 49 Resp: 82014

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.8

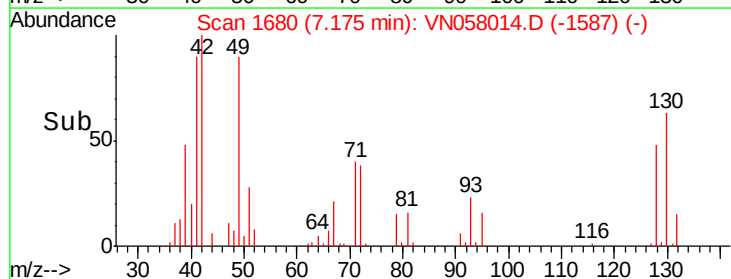
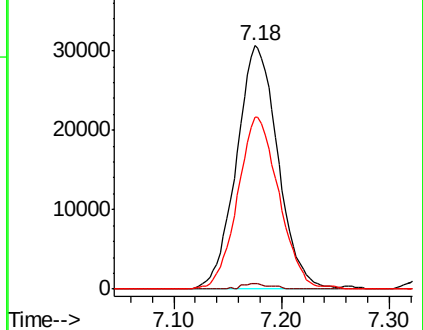
130 70.5 53.0 79.6

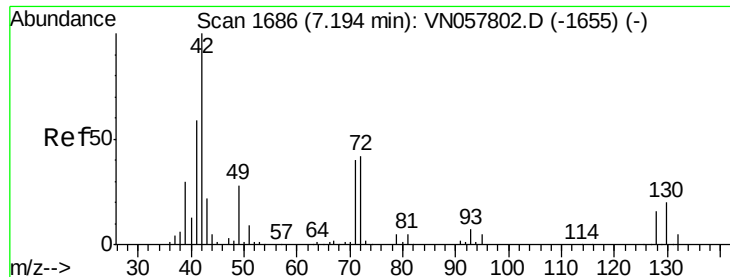


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 95.533 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

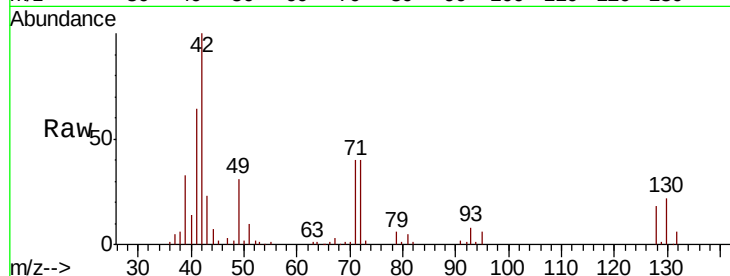
Tgt Ion: 42 Resp: 175634

Ion Ratio Lower Upper

42 100

72 41.6 33.7 50.5

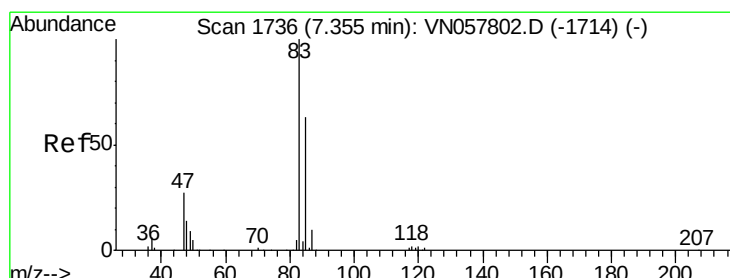
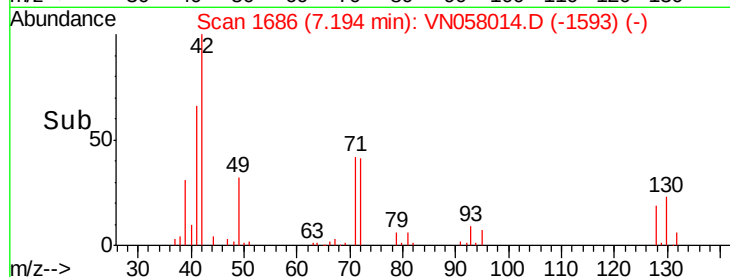
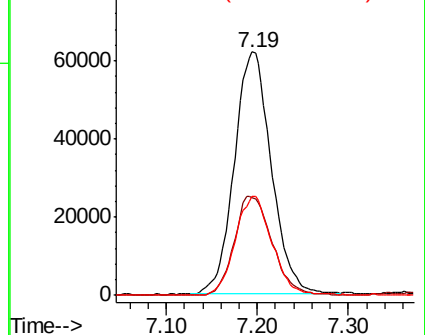
71 40.6 31.9 47.9



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: 20.045 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN058014.D

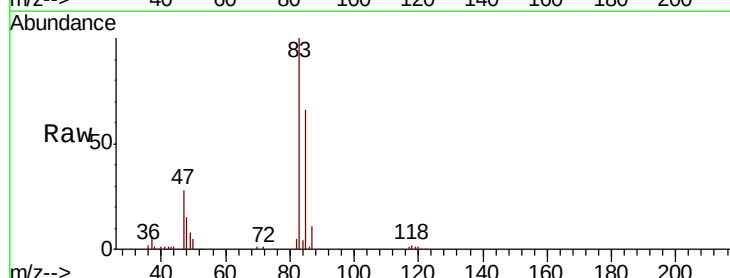
Acq: 13 Sep 2019 13:30

Tgt Ion: 83 Resp: 173788

Ion Ratio Lower Upper

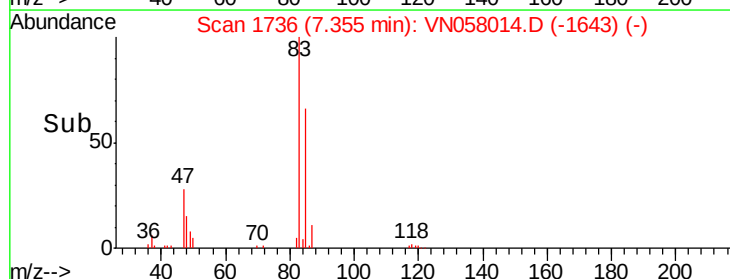
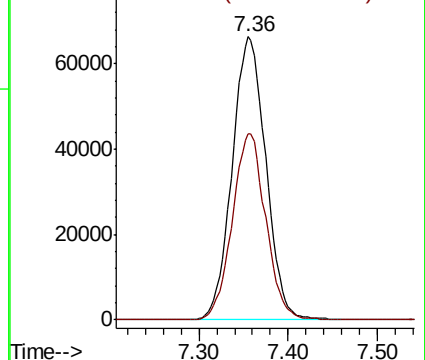
83 100

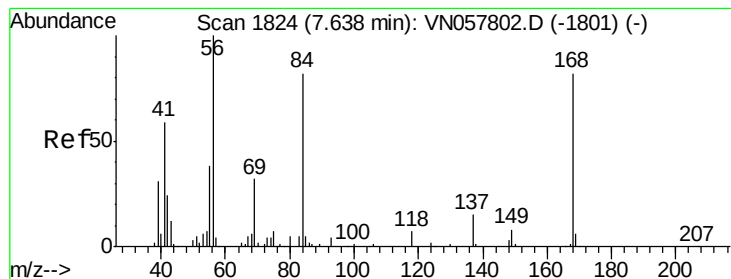
85 65.7 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.590 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

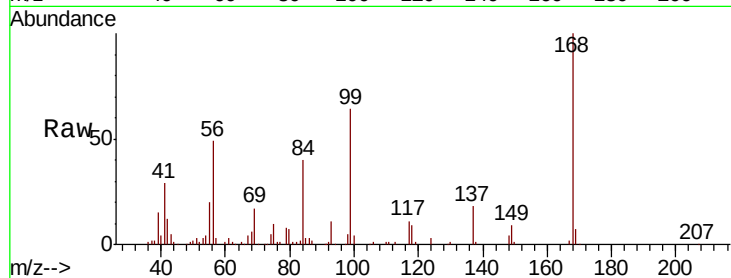
Tgt Ion: 56 Resp: 118377

Ion Ratio Lower Upper

56 100

69 35.0 25.9 38.9

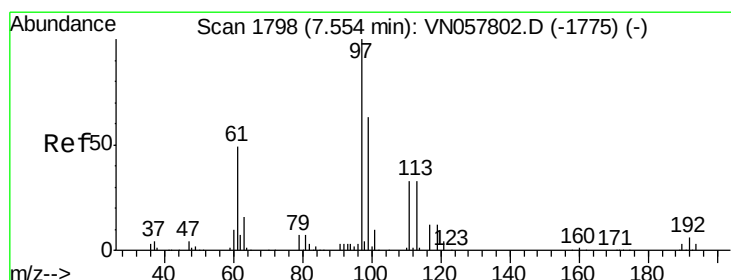
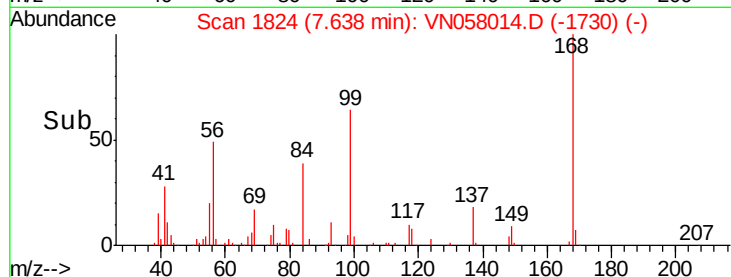
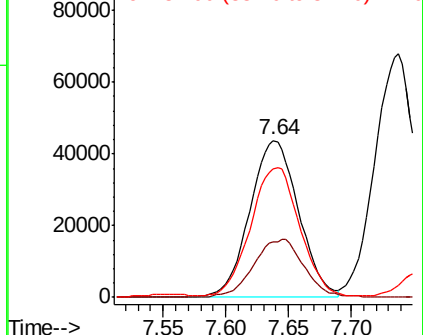
84 80.3 65.6 98.4



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: 19.596 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

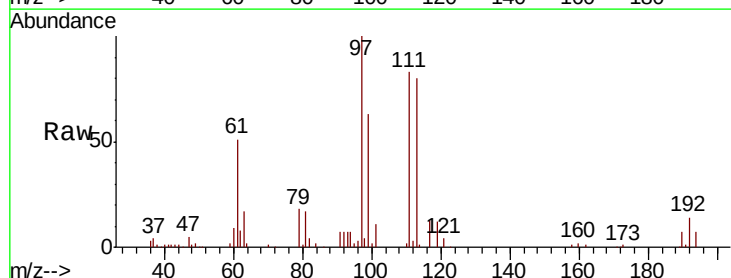
Tgt Ion: 97 Resp: 134743

Ion Ratio Lower Upper

97 100

99 63.5 51.0 76.4

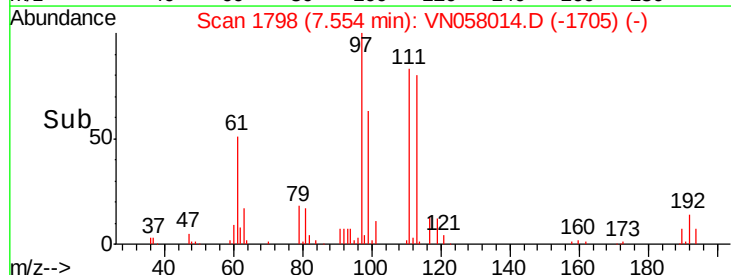
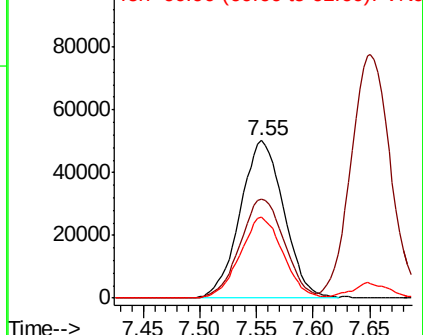
61 50.5 39.0 58.6

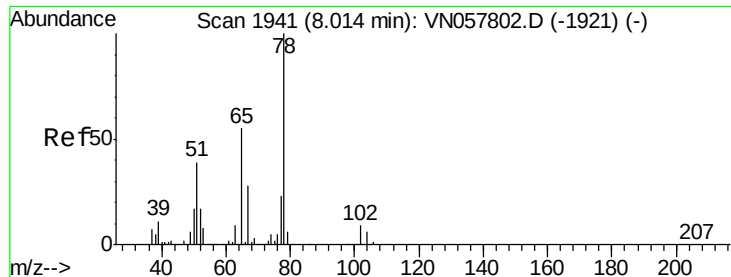


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

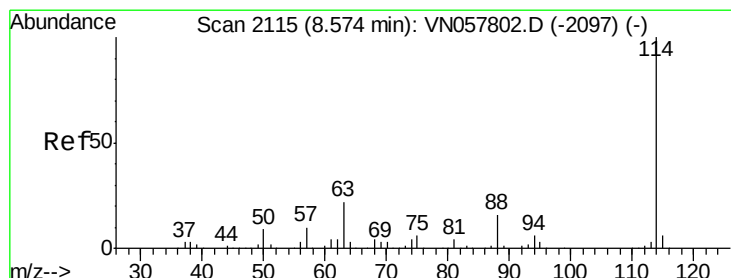
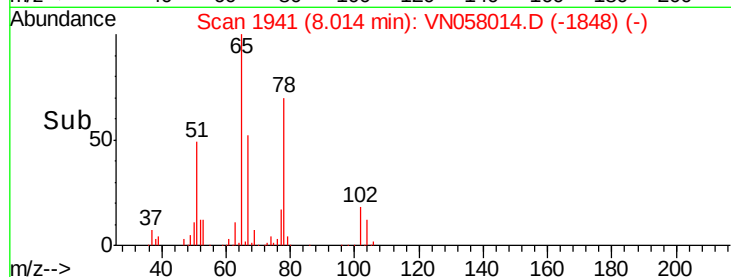
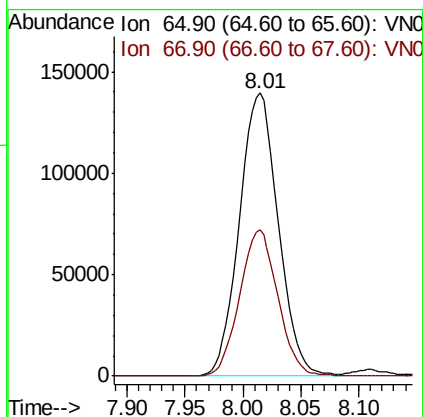
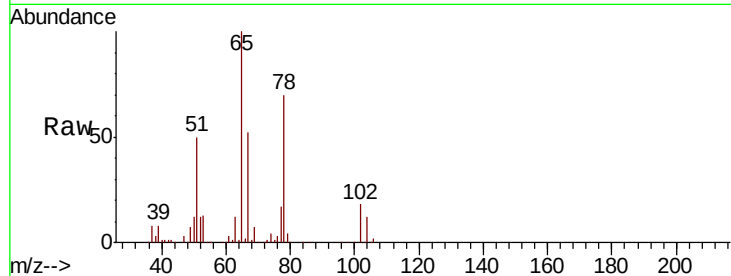




#33
 1,2-Dichloroethane-d4
 Concen: 51.843 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

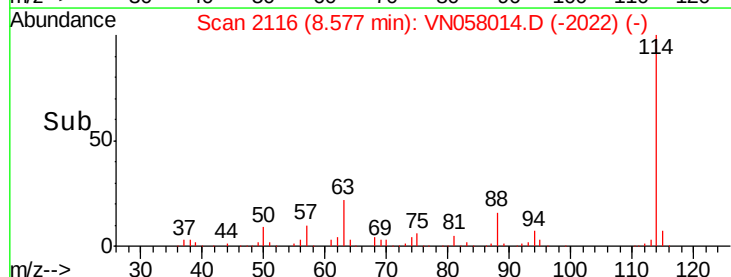
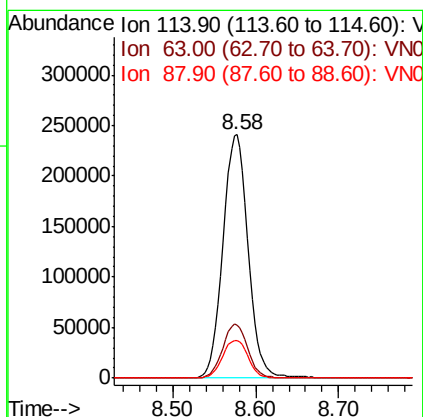
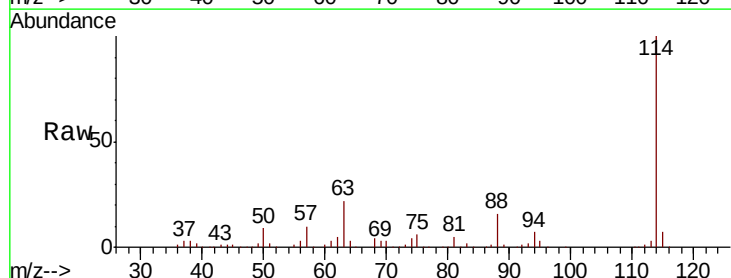
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

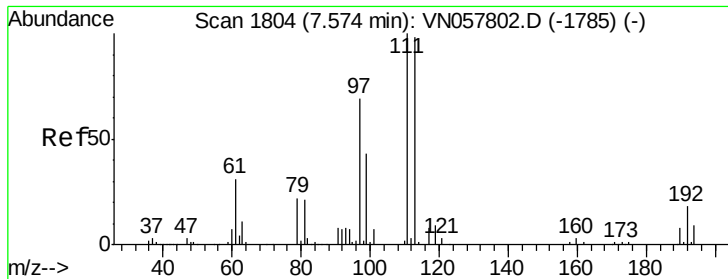
Tgt Ion: 65 Resp: 325995
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Tgt Ion: 114 Resp: 507712
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 44.0
 88 15.6 0.0 31.4

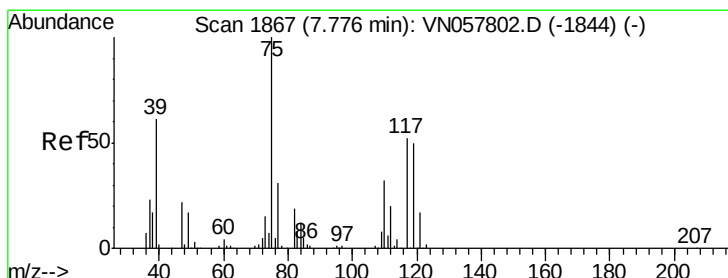
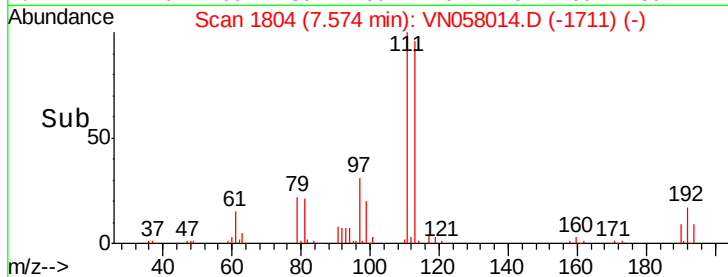
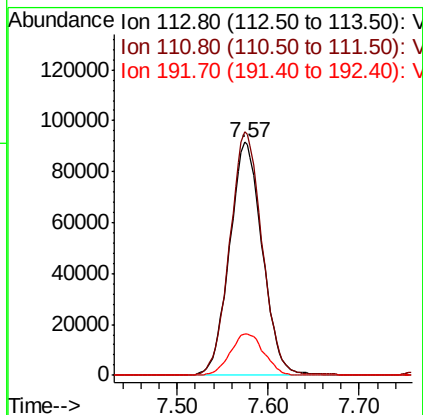
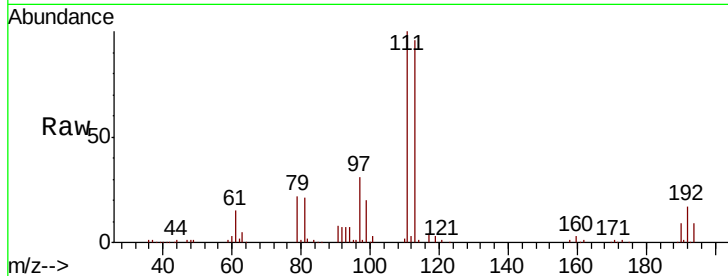




#35
 Dibromofluoromethane
 Concen: 48.881 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

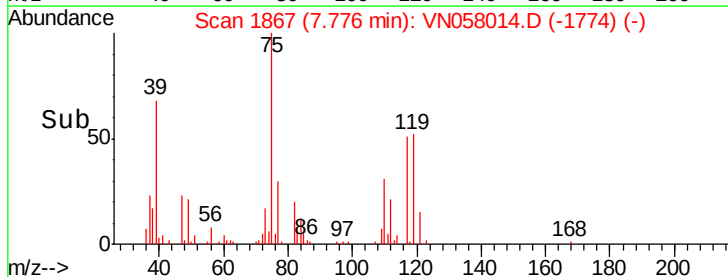
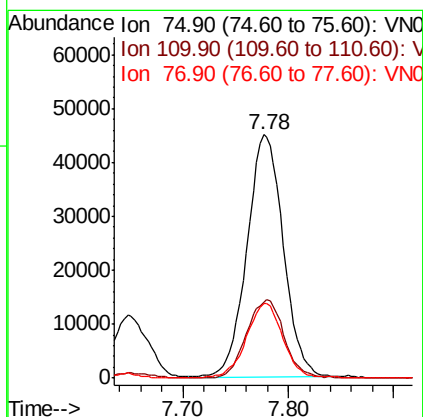
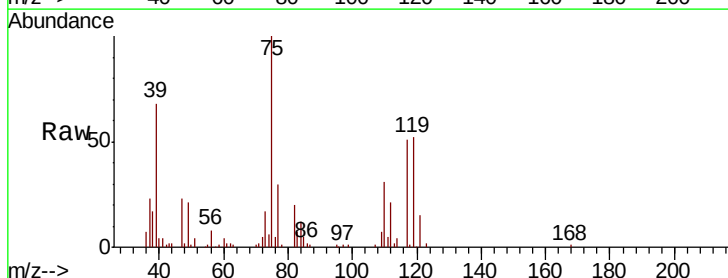
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

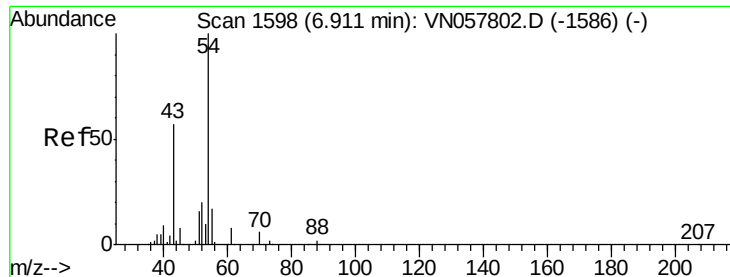
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.3	121.9
192	18.3	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 18.347 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.3	48.9
77	31.0	25.0	37.4

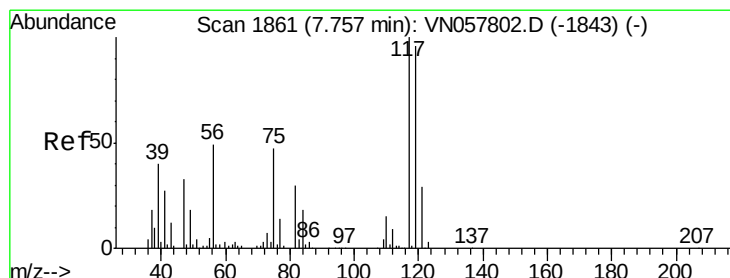
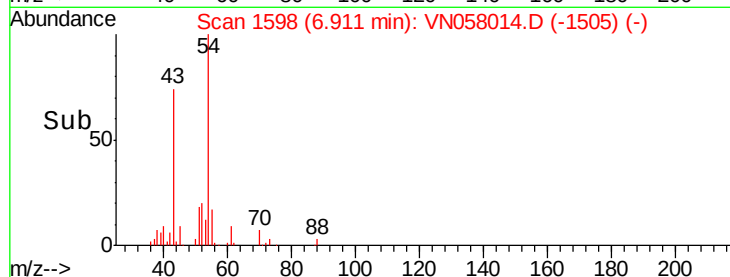
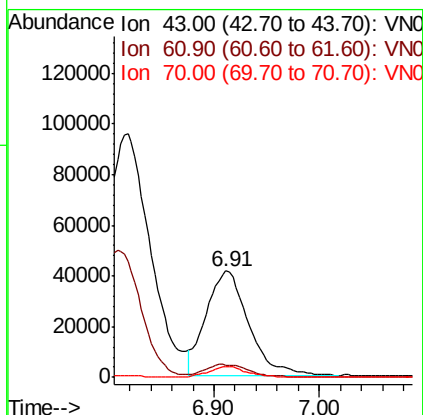
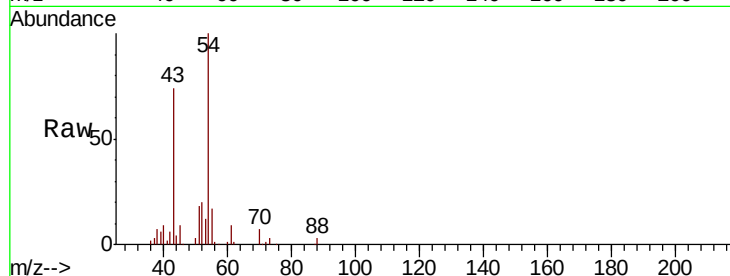




#37
 Ethyl Acetate
 Concen: 19.050 ug/l
 RT: 6.91 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

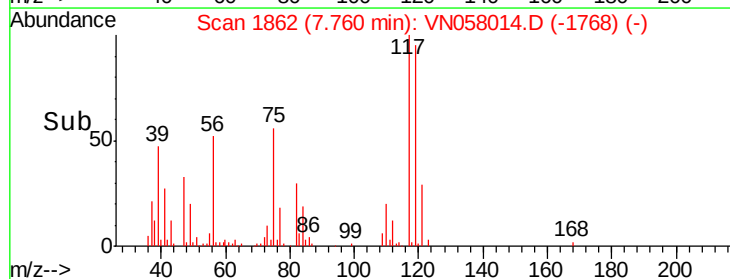
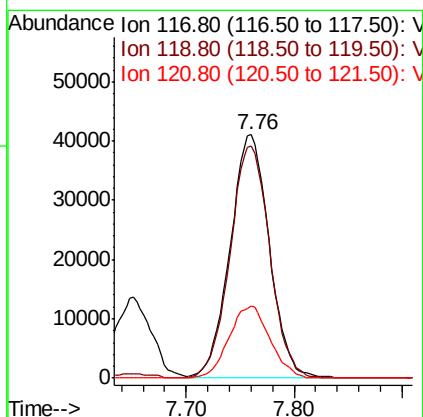
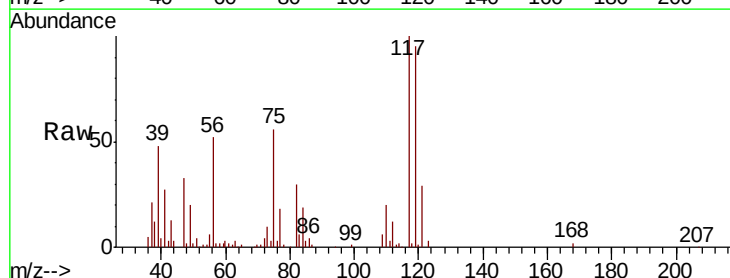
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

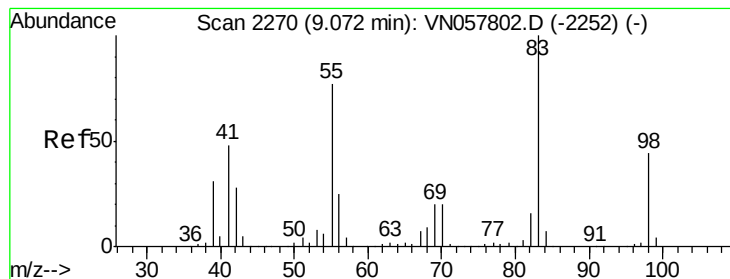
Tgt Ion: 43 Resp: 115890
 Ion Ratio Lower Upper
 43 100
 61 13.2 10.5 15.7
 70 9.2 7.4 11.0



#38
 Carbon Tetrachloride
 Concen: 19.329 ug/l
 RT: 7.76 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Tgt Ion: 117 Resp: 103909
 Ion Ratio Lower Upper
 117 100
 119 95.1 76.9 115.3
 121 29.5 23.4 35.2





#39

Methylcyclohexane

Concen: 18.192 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

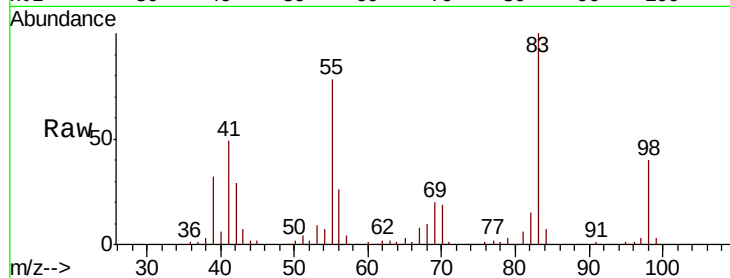
Tgt Ion: 83 Resp: 112605

Ion Ratio Lower Upper

83 100

55 77.5 61.6 92.4

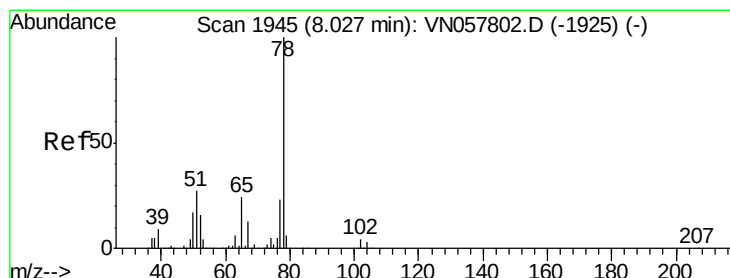
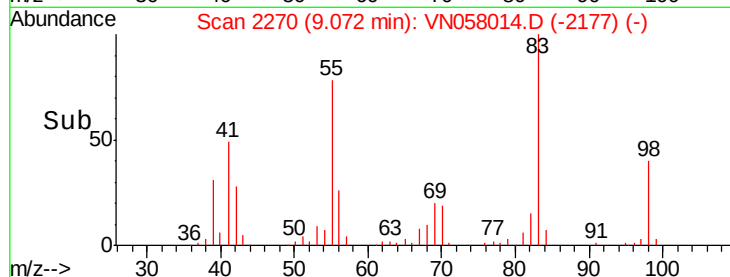
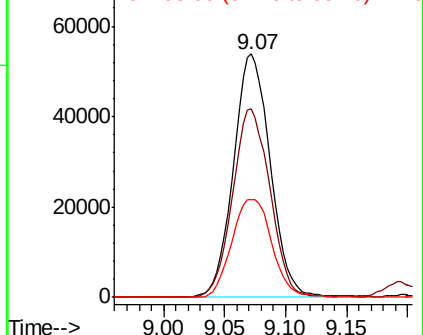
98 40.3 34.9 52.3



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 19.828 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN058014.D

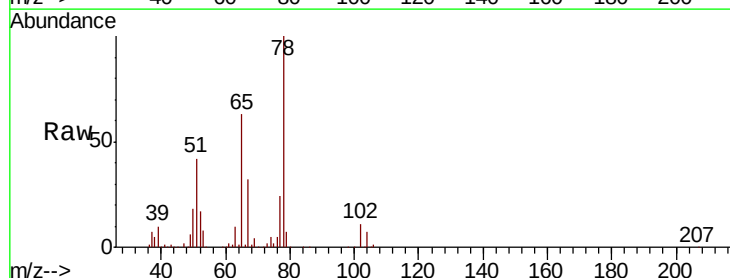
Acq: 13 Sep 2019 13:30

Tgt Ion: 78 Resp: 351499

Ion Ratio Lower Upper

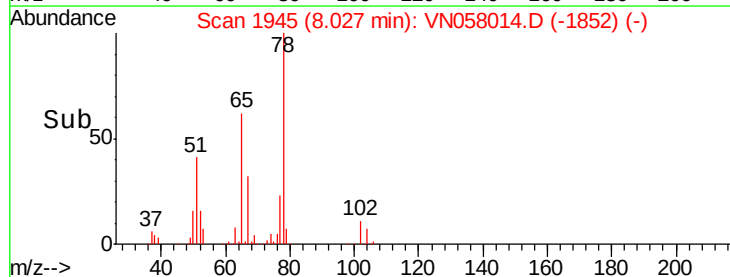
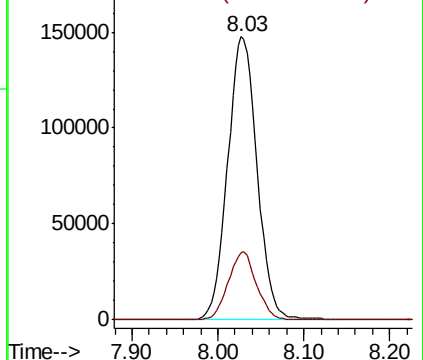
78 100

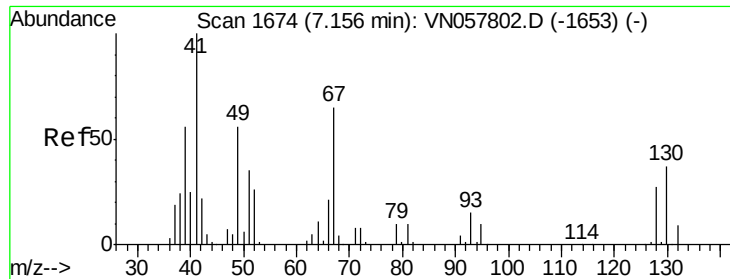
77 23.6 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

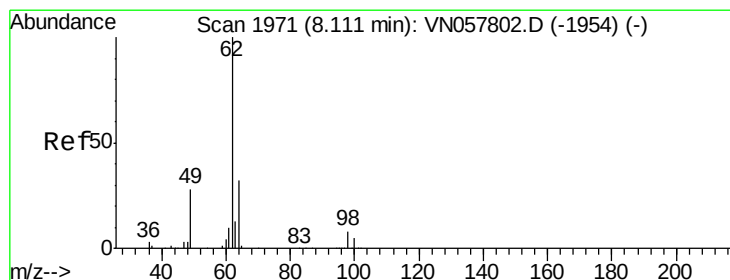
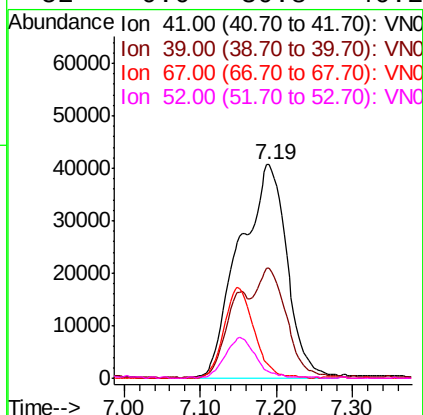
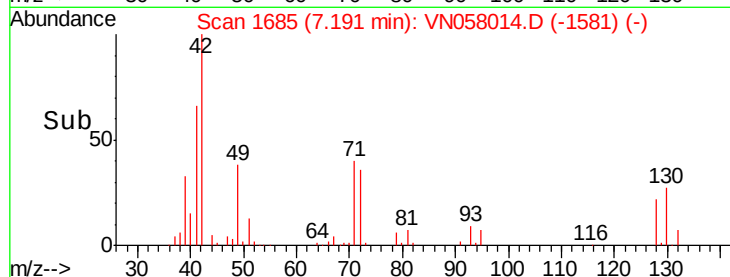
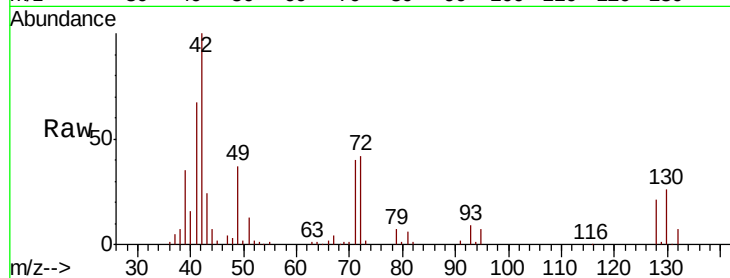




#41
Methacrylonitrile
Concen: 64.406 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

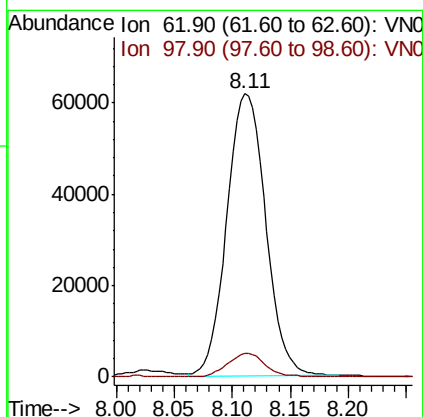
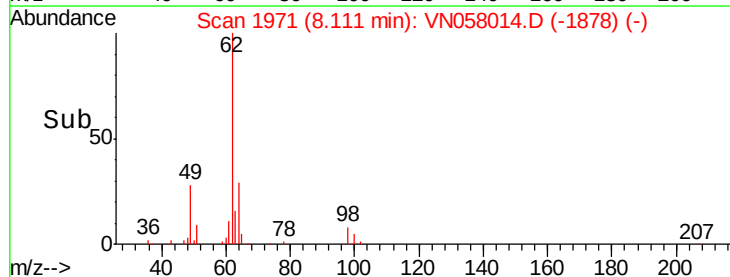
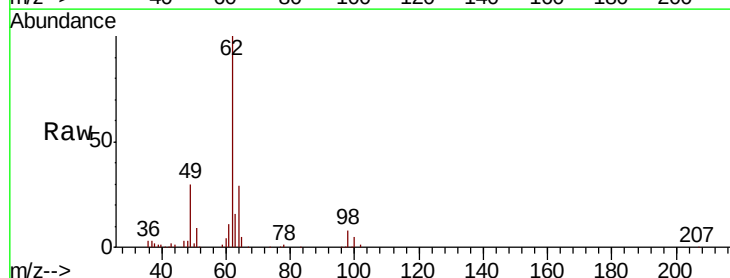
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

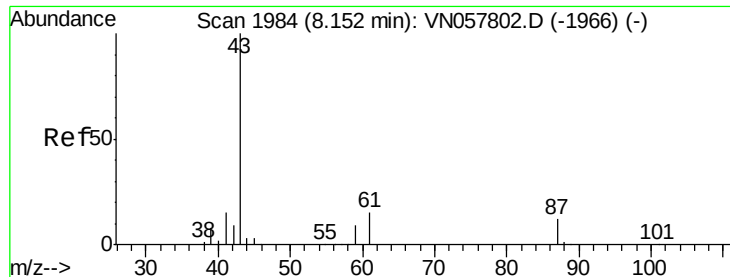
Tgt Ion: 41 Resp: 177859
Ion Ratio Lower Upper
41 100
39 0.0 51.0 76.6#
67 0.0 70.7 106.1#
52 0.0 30.8 46.2#



#42
1,2-Dichloroethane
Concen: 20.313 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Tgt Ion: 62 Resp: 144016
Ion Ratio Lower Upper
62 100
98 8.1 0.0 15.8





#43

Isopropyl Acetate

Concen: 21.087 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

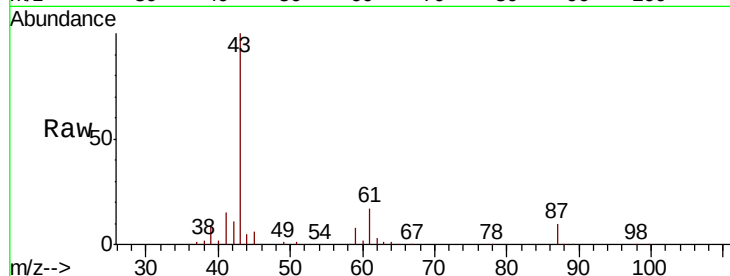
Tgt Ion: 43 Resp: 215734

Ion Ratio Lower Upper

43 100

61 16.8 20.1 30.1#

87 10.5 9.5 14.3

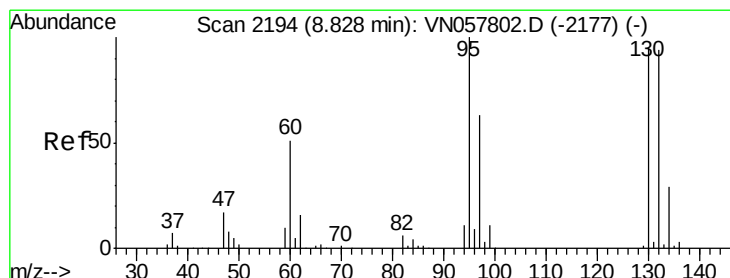
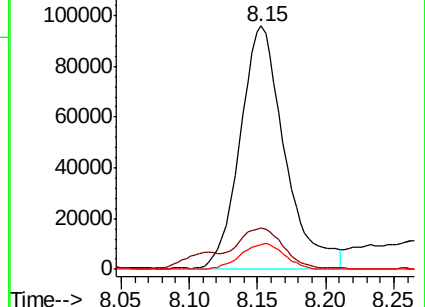
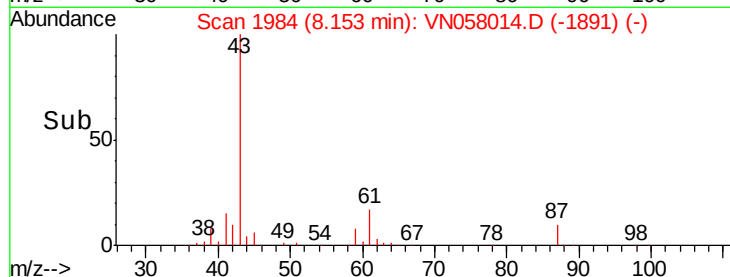


Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057802.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057802.D (-1966) (-)

8.15



#44

Trichloroethene

Concen: 19.703 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058014.D

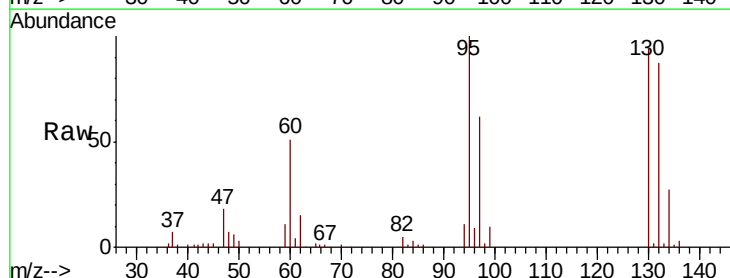
Acq: 13 Sep 2019 13:30

Tgt Ion: 130 Resp: 85666

Ion Ratio Lower Upper

130 100

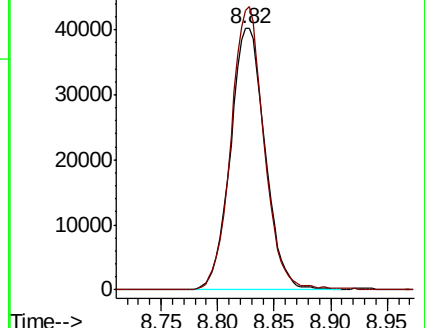
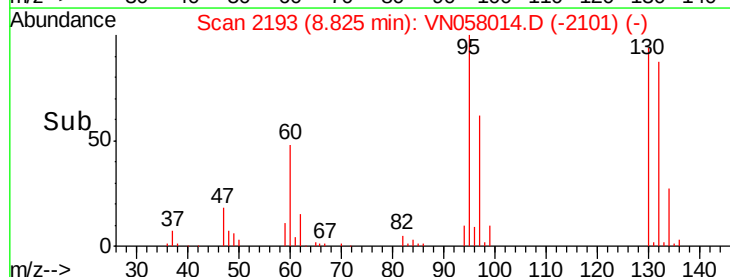
95 106.9 0.0 211.4

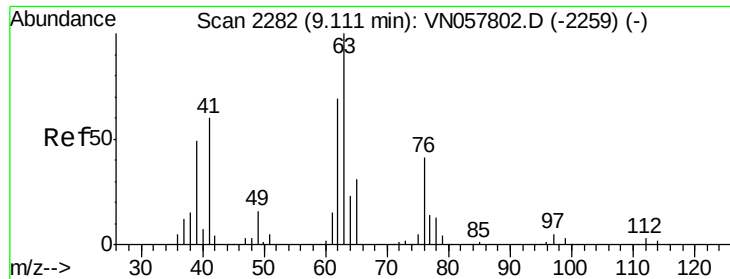


Abundance Ion 129.80 (129.50 to 130.50): VN057802.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057802.D (-2177) (-)

8.82

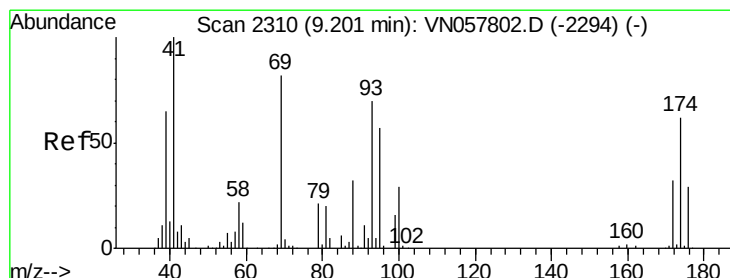
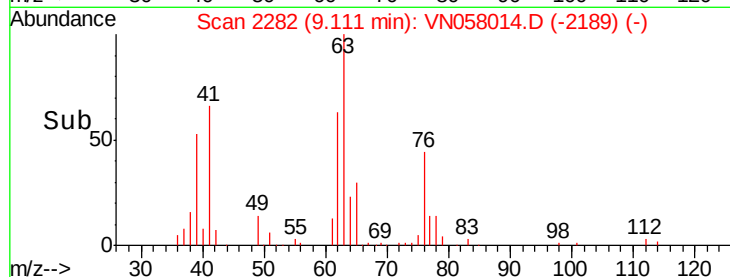
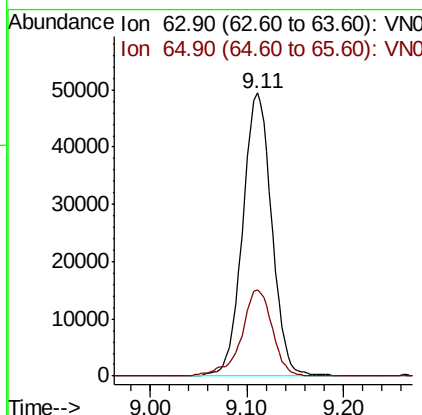
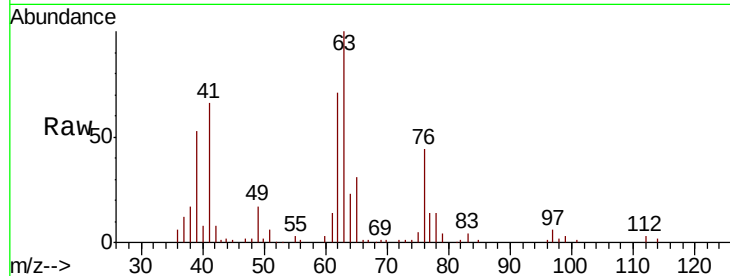




#45
 1,2-Dichloropropane
 Concen: 20.020 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

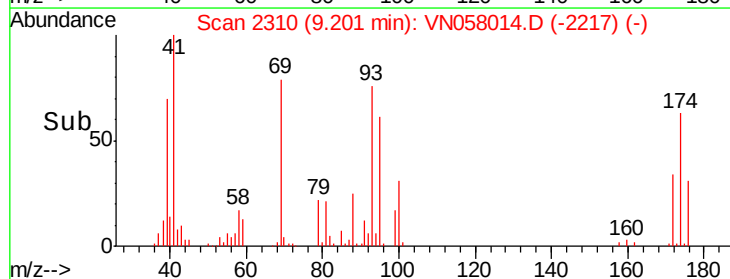
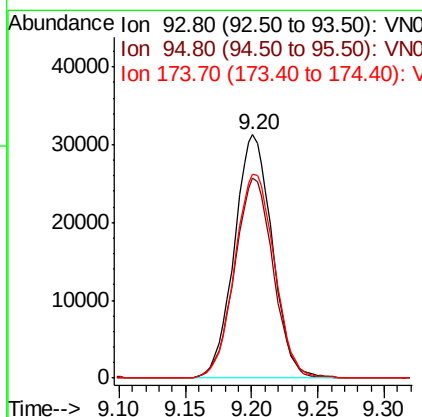
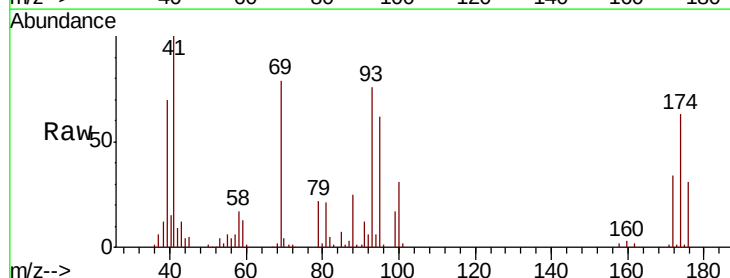
Instrument :
 MSVOA_N
 ClientSampled :
 VN0914WBS02

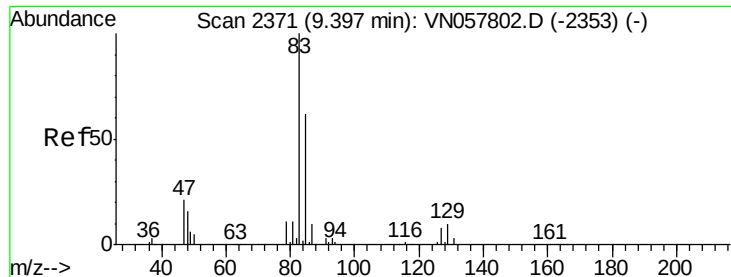
Tgt Ion: 63 Resp: 103271
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.8 37.2



#46
 Dibromomethane
 Concen: 19.915 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Tgt Ion: 93 Resp: 62075
 Ion Ratio Lower Upper
 93 100
 95 83.8 65.9 98.9
 174 88.0 71.8 107.6

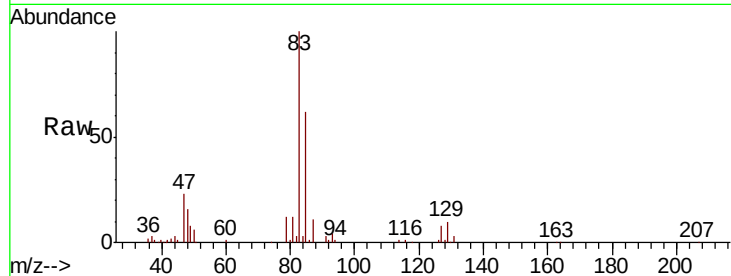




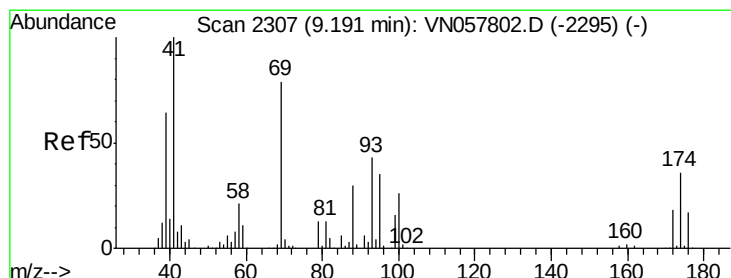
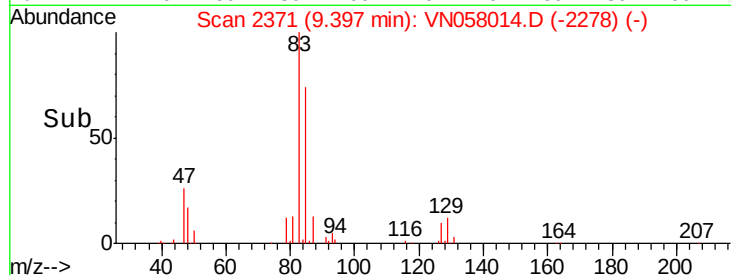
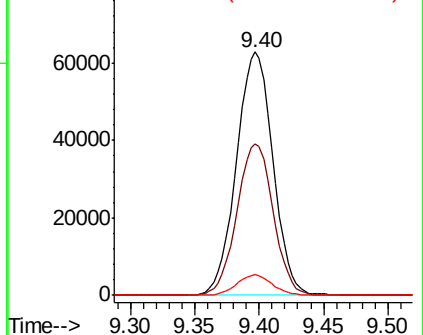
#47
 Bromodichloromethane
 Concen: 19.888 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

Tgt Ion: 83 Resp: 123790
 Ion Ratio Lower Upper
 83 100
 85 62.4 49.9 74.9
 127 8.4 6.5 9.7

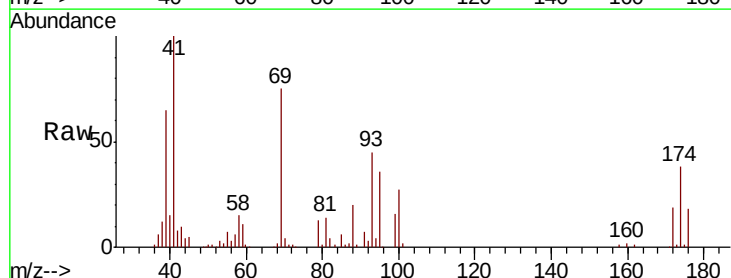


Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 126.80 (126.50 to 127.50): VN0

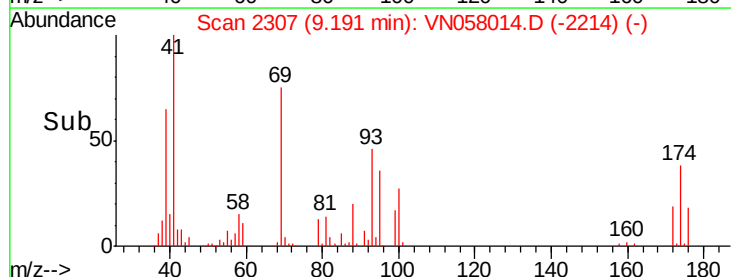
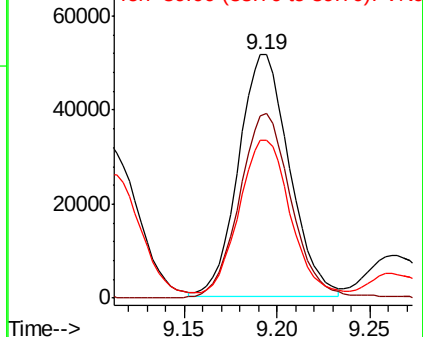


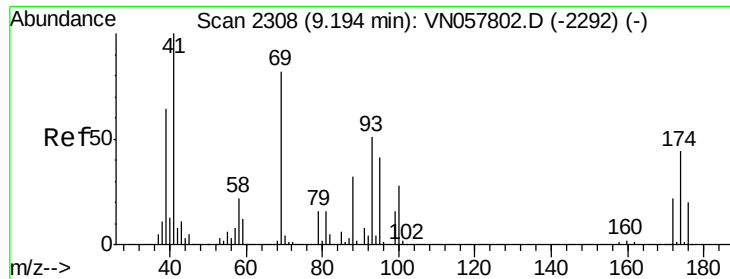
#48
 Methyl methacrylate
 Concen: 19.044 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Tgt Ion: 41 Resp: 98833
 Ion Ratio Lower Upper
 41 100
 69 78.1 62.7 94.1
 39 66.3 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: 250.022 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

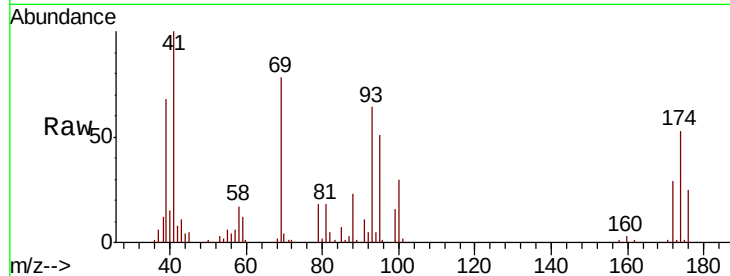
Tgt Ion: 88 Resp: 21942

Ion Ratio Lower Upper

88 100

43 40.6 28.5 42.7

58 74.5 55.8 83.6

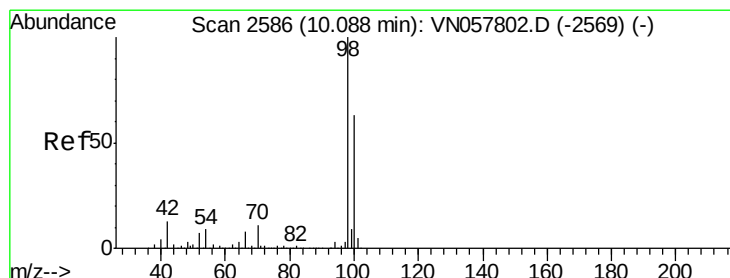
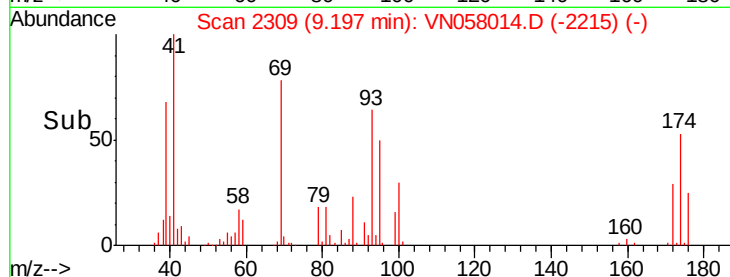
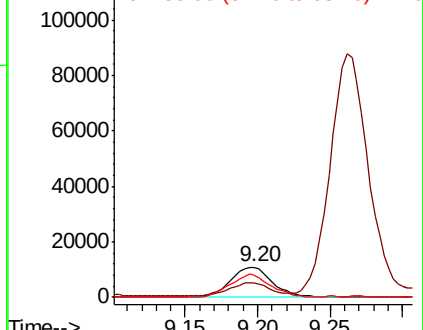


Abundance

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: 50.427 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058014.D

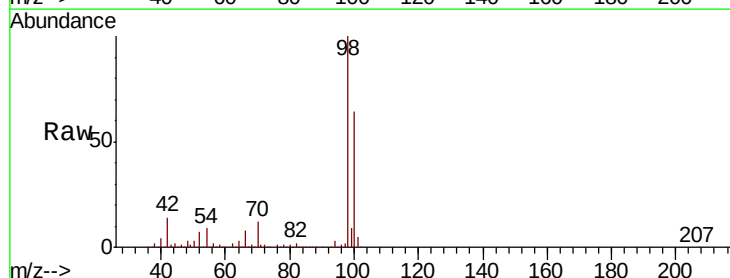
Acq: 13 Sep 2019 13:30

Tgt Ion: 98 Resp: 917444

Ion Ratio Lower Upper

98 100

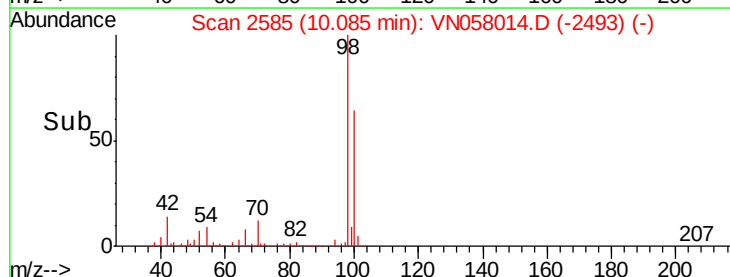
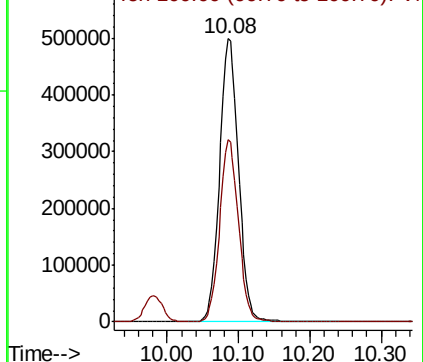
100 63.4 50.3 75.5

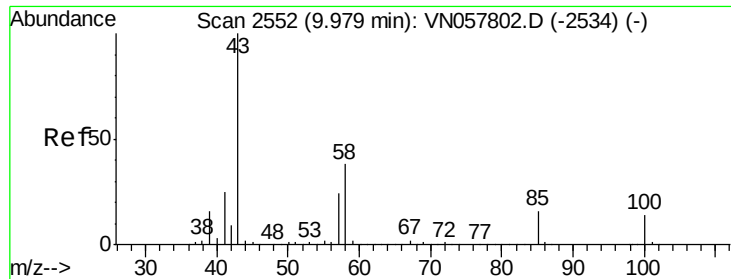


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 103.043 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

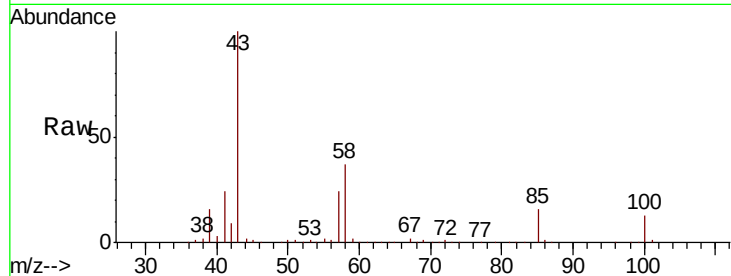
VN0914WBS02

Tgt Ion: 43 Resp: 623835

Ion Ratio Lower Upper

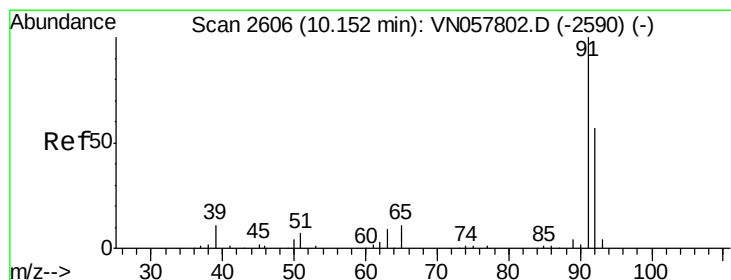
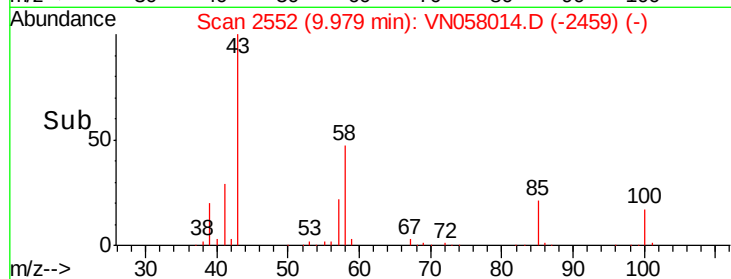
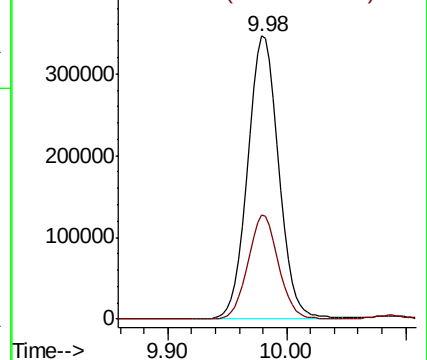
43 100

58 36.2 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: 19.165 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058014.D

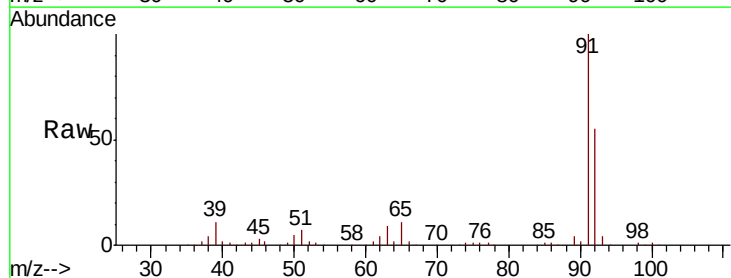
Acq: 13 Sep 2019 13:30

Tgt Ion: 92 Resp: 213978

Ion Ratio Lower Upper

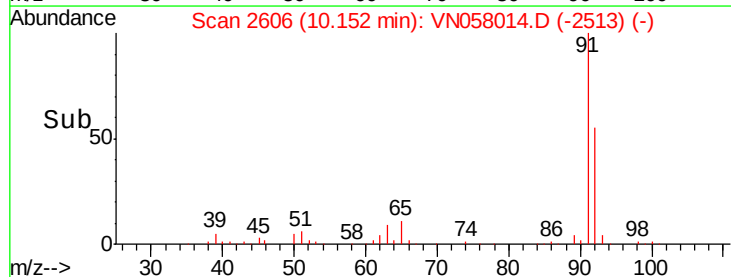
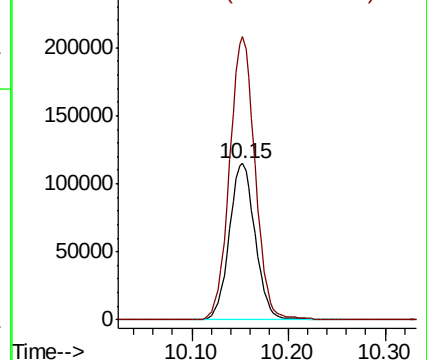
92 100

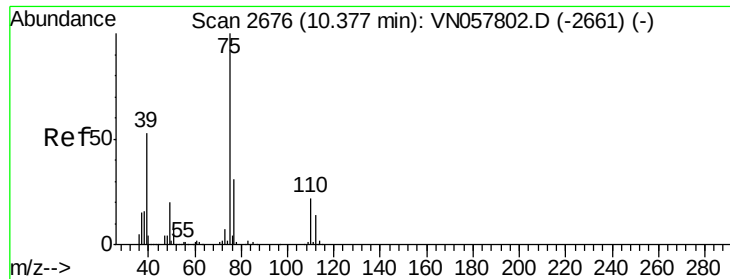
91 178.2 141.0 211.6



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: 18.499 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

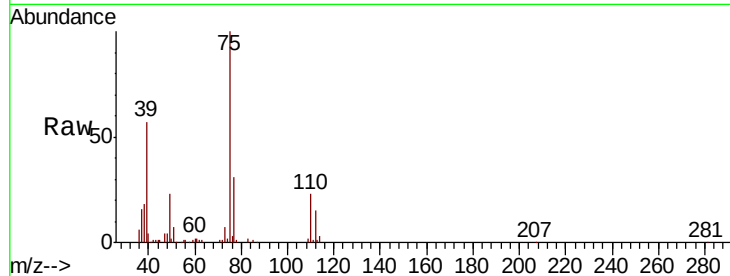
VN0914WBS02

Tgt Ion: 75 Resp: 121259

Ion Ratio Lower Upper

75 100

77 30.7 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

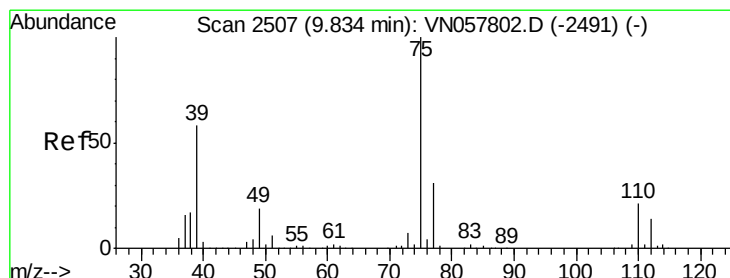
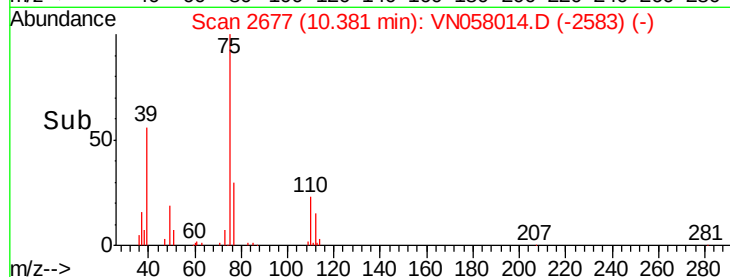
40000

20000

0

Time-->

10.30 10.40



#54

cis-1,3-Dichloropropene

Concen: 19.314 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

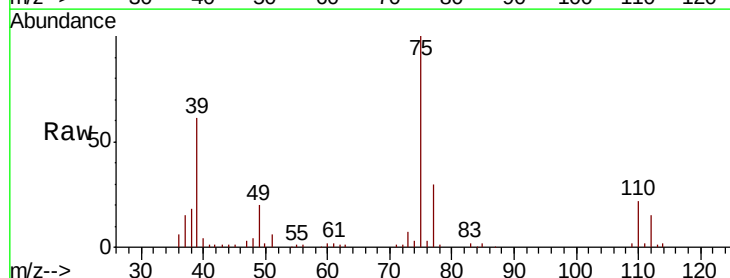
Tgt Ion: 75 Resp: 139775

Ion Ratio Lower Upper

75 100

77 30.5 24.8 37.2

39 60.4 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

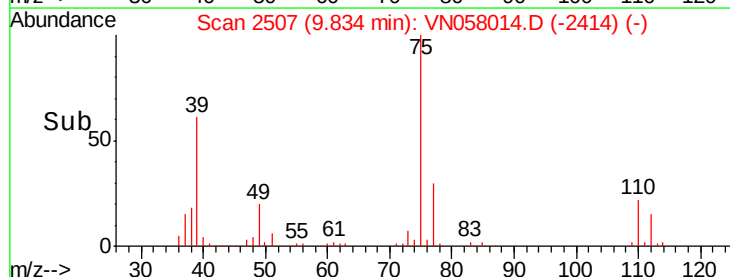
40000

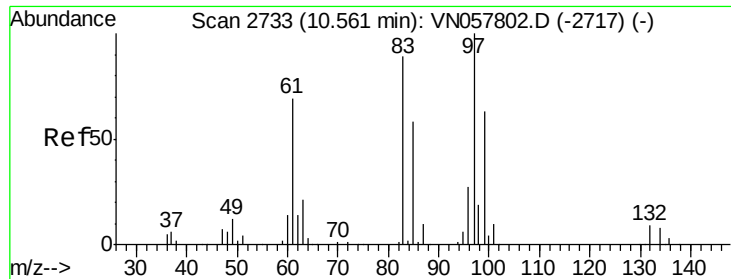
20000

0

Time-->

9.75 9.80 9.85 9.90





#55

1,1,2-Trichloroethane

Concen: 20.403 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

Tgt Ion: 97 Resp: 96493

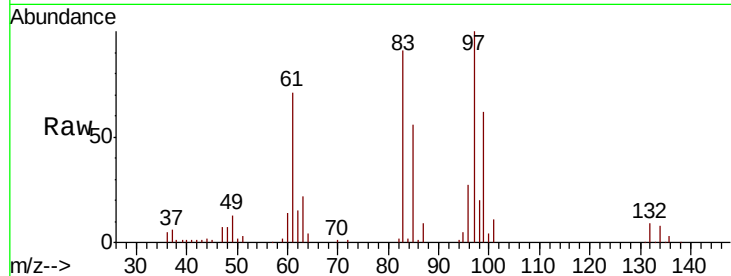
Ion Ratio Lower Upper

97 100

83 90.5 70.8 106.2

85 56.3 46.0 69.0

99 61.6 50.6 76.0



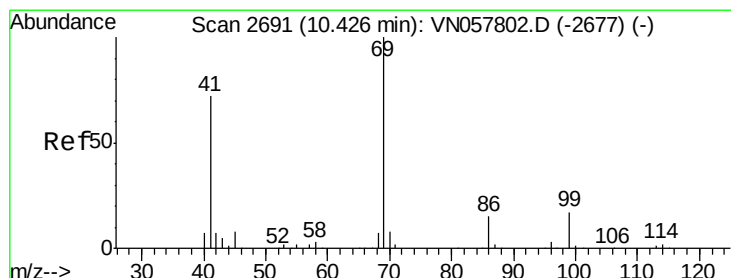
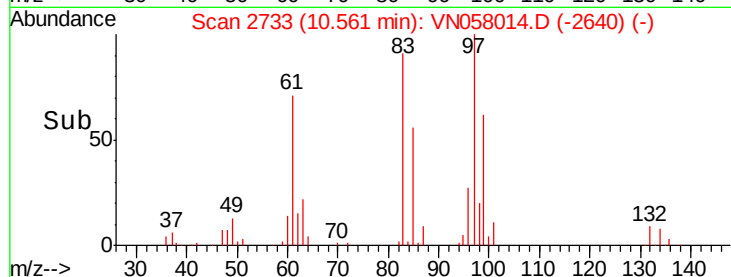
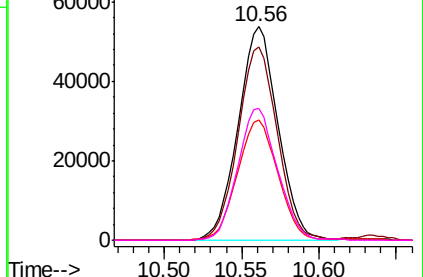
Abundance

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: 18.950 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

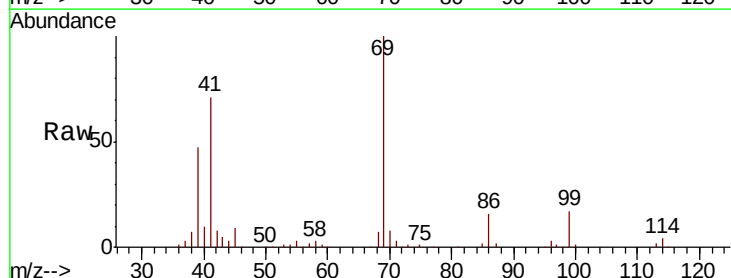
Tgt Ion: 69 Resp: 134963

Ion Ratio Lower Upper

69 100

41 72.7 56.7 85.1

39 46.6 36.3 54.5

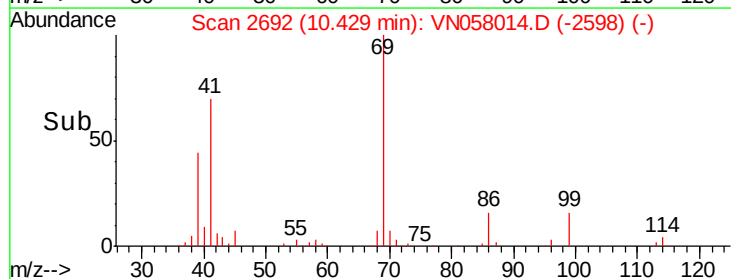
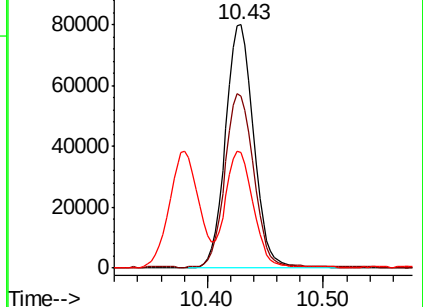


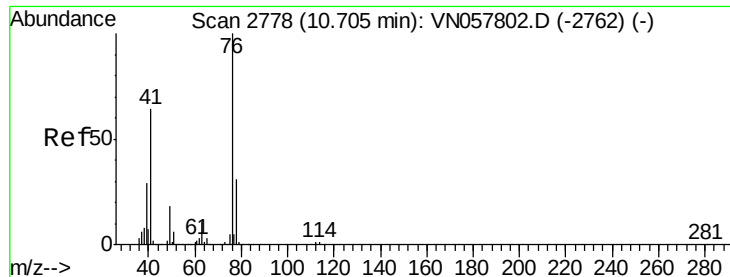
Abundance

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

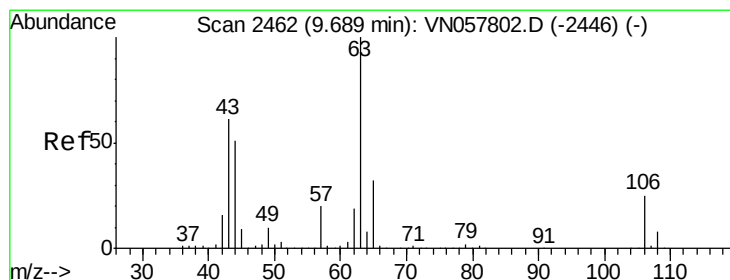
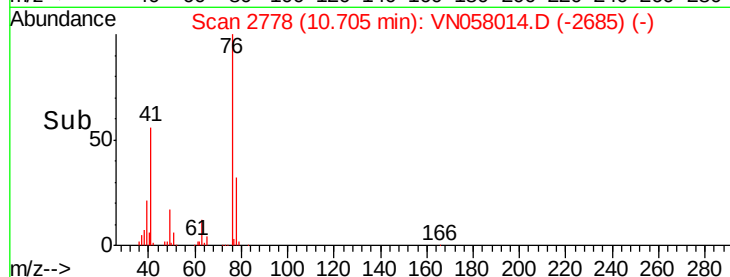
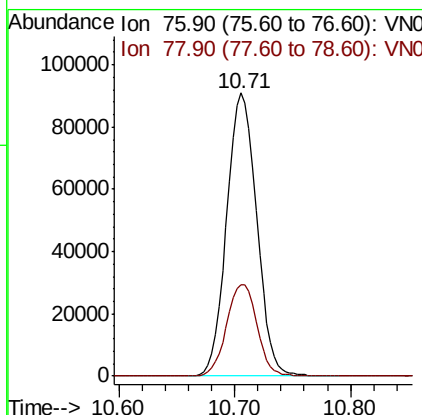
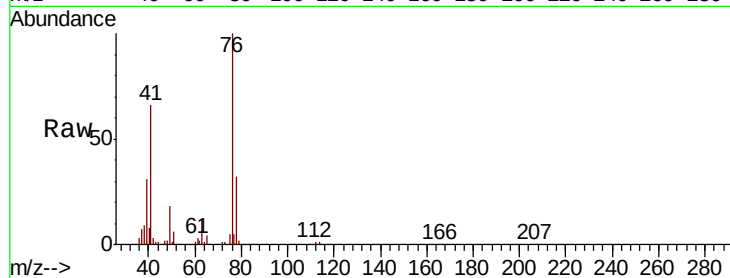




#57
 1,3-Dichloropropane
 Concen: 20.063 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

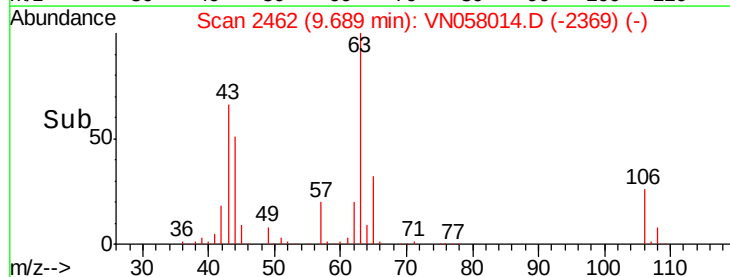
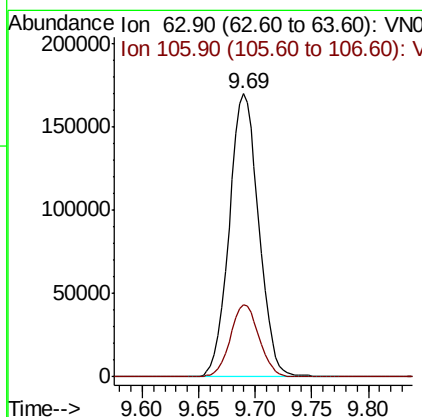
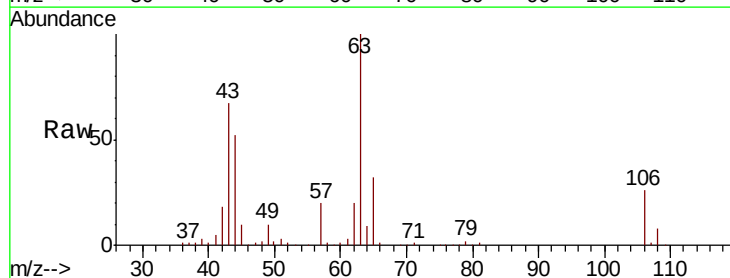
Instrument :
 MSVOA_N
 ClientSampled :
 VN0914WBS02

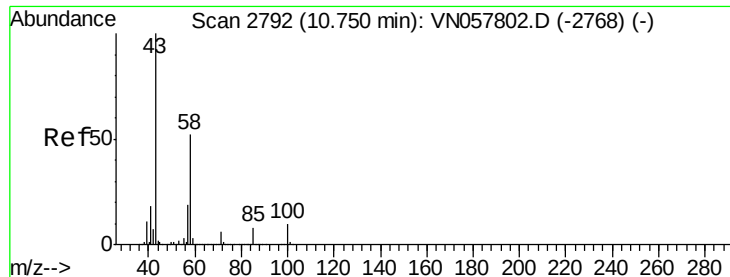
Tgt Ion: 76 Resp: 163529
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.833 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Tgt Ion: 63 Resp: 308046
 Ion Ratio Lower Upper
 63 100
 106 25.1 20.0 30.0





#59

2-Hexanone

Concen: 95.051 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

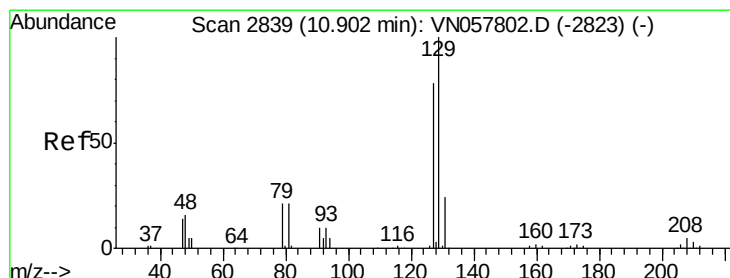
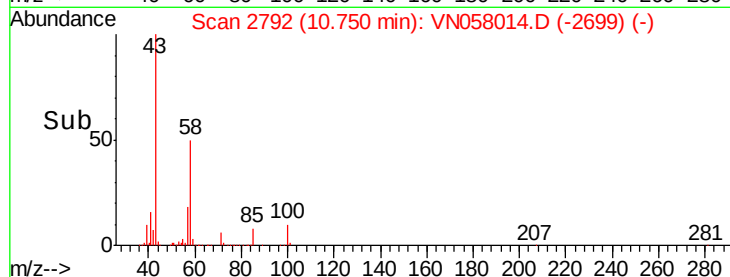
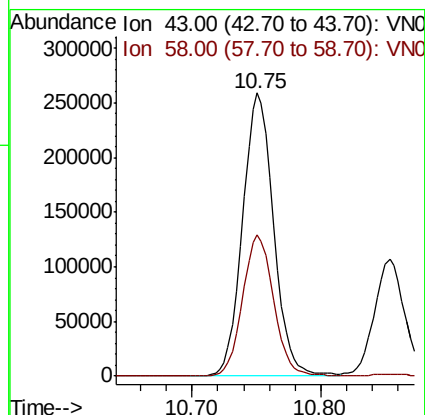
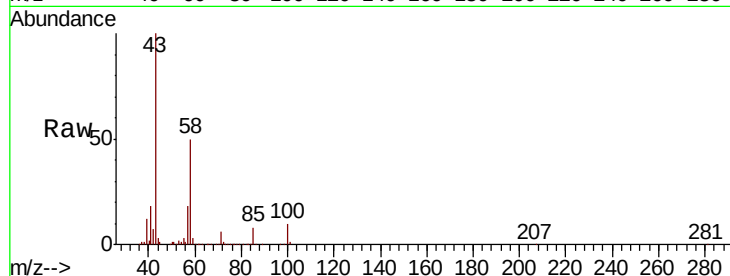
VN0914WBS02

Tgt Ion: 43 Resp: 431319

Ion Ratio Lower Upper

43 100

58 50.3 25.6 76.8



#60

Dibromochloromethane

Concen: 18.511 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058014.D

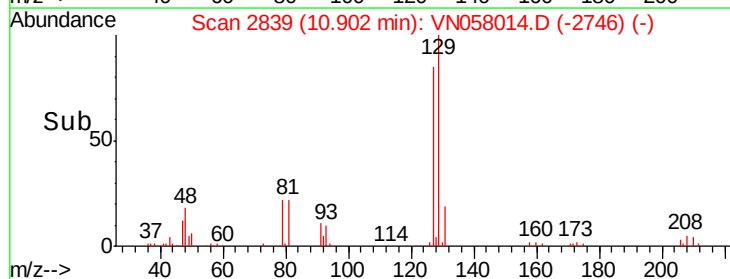
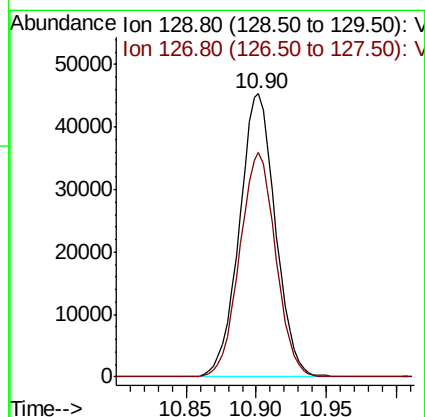
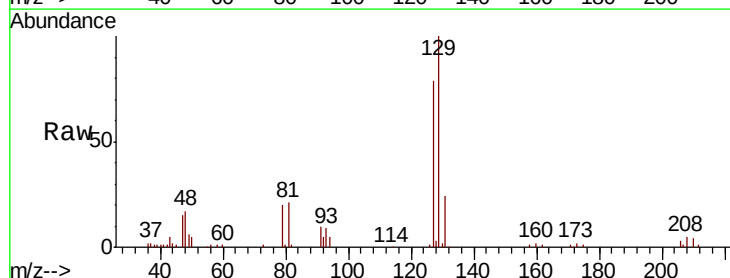
Acq: 13 Sep 2019 13:30

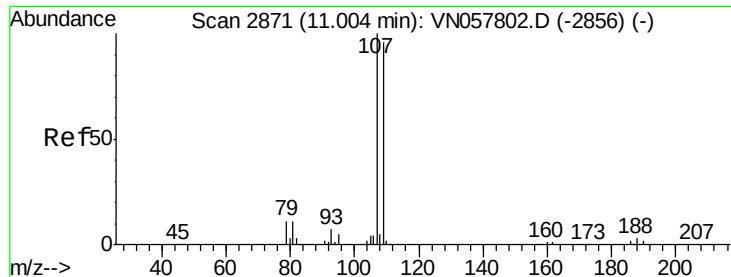
Tgt Ion: 129 Resp: 81294

Ion Ratio Lower Upper

129 100

127 78.9 38.6 116.0

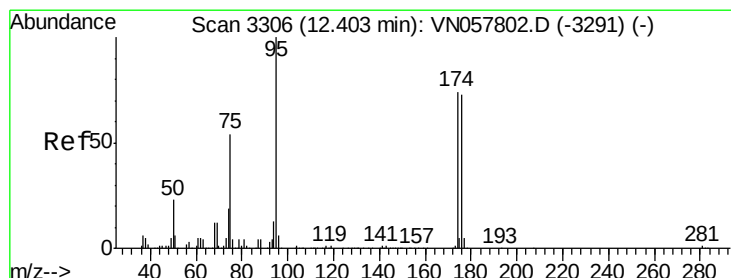
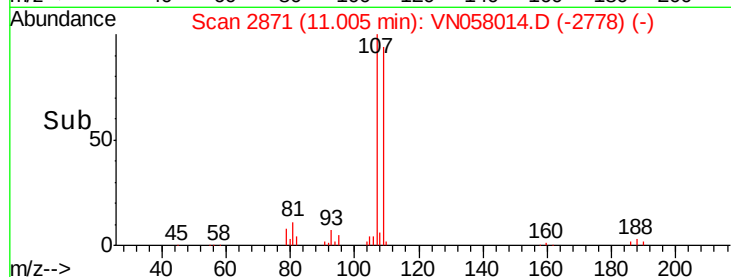
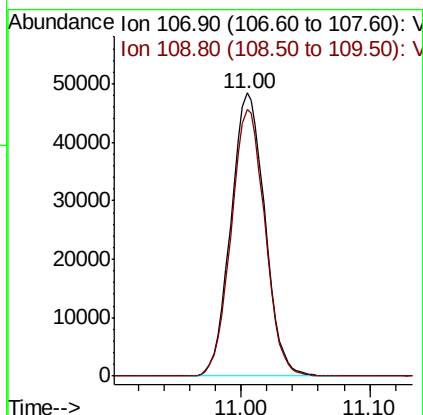
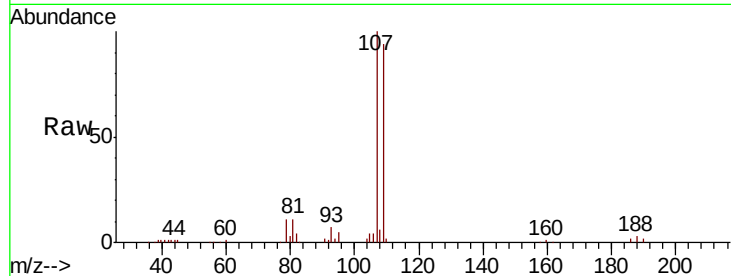




#61
 1,2-Dibromoethane
 Concen: 19.773 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

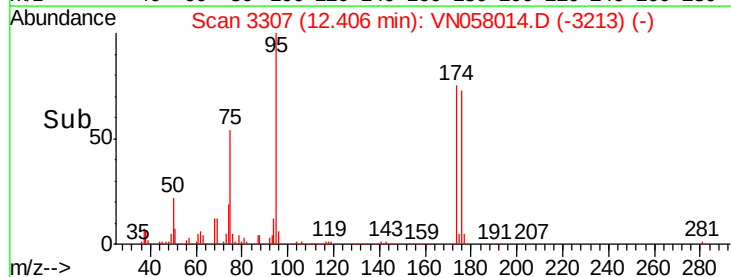
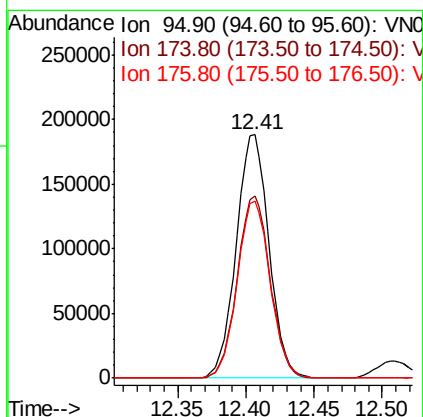
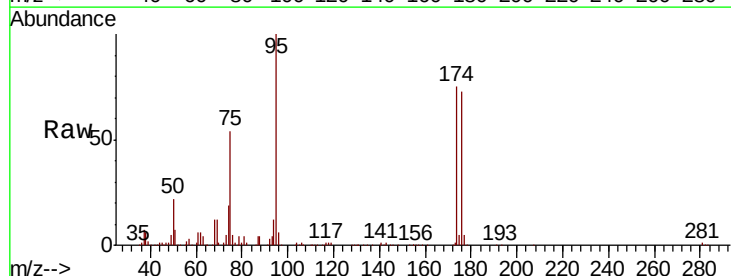
Instrument :
 MSVOA_N
 ClientSampled :
 VN0914WBS02

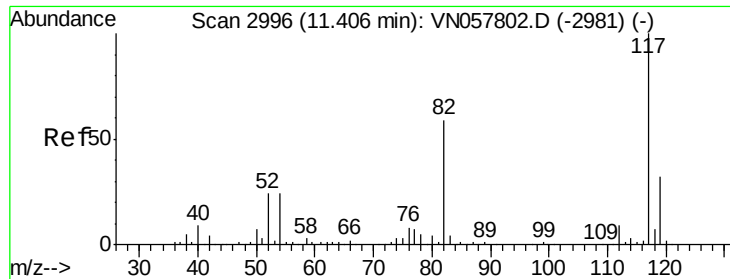
Tgt Ion: 107 Resp: 88410
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 45.300 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Tgt Ion: 95 Resp: 314081
 Ion Ratio Lower Upper
 95 100
 174 75.1 0.0 150.2
 176 73.0 0.0 146.0

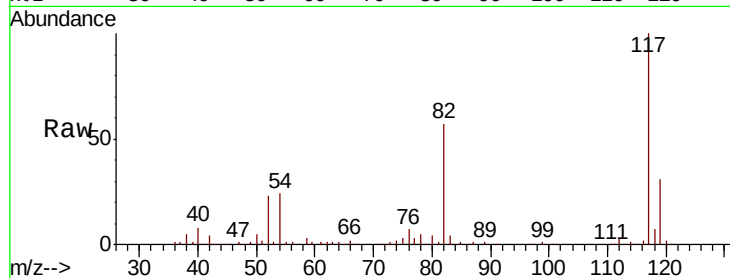




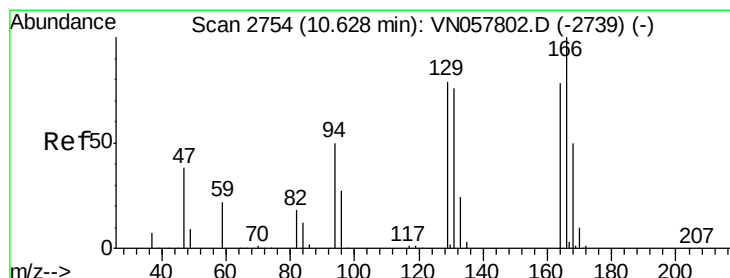
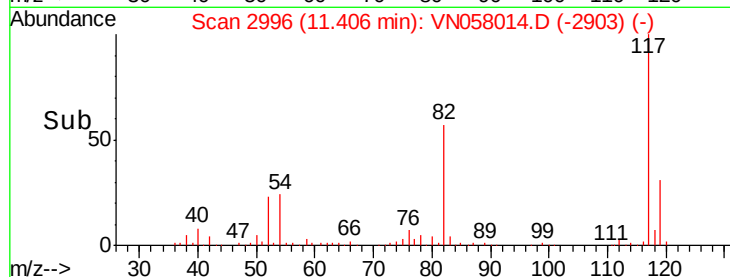
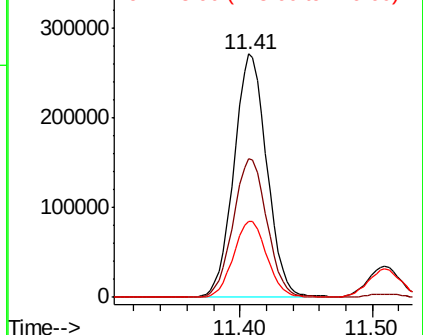
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

Tgt Ion:117 Resp: 467824
Ion Ratio Lower Upper
117 100
82 56.9 47.2 70.8
119 31.4 25.3 37.9

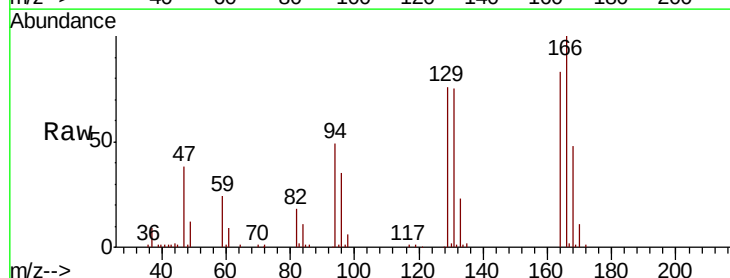


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

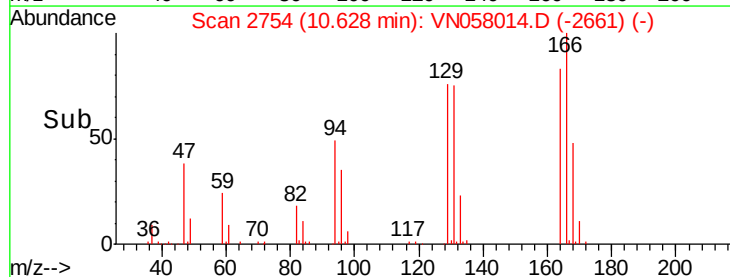
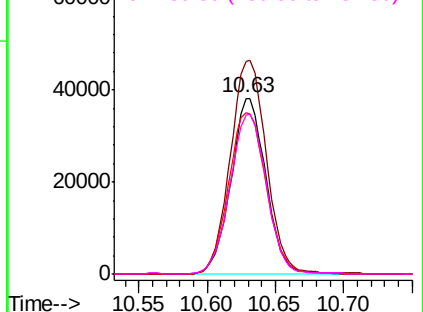


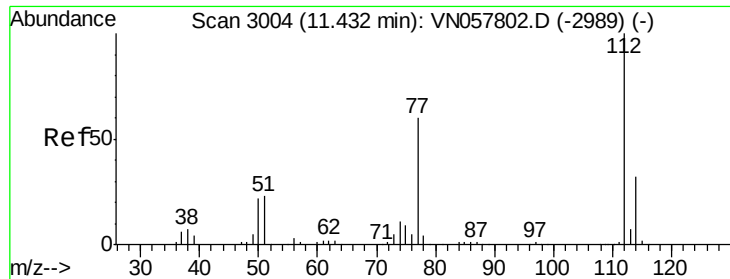
#64
Tetrachloroethene
Concen: 19.584 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Tgt Ion:164 Resp: 67645
Ion Ratio Lower Upper
164 100
166 121.2 102.2 153.2
129 91.8 80.8 121.2
131 90.6 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

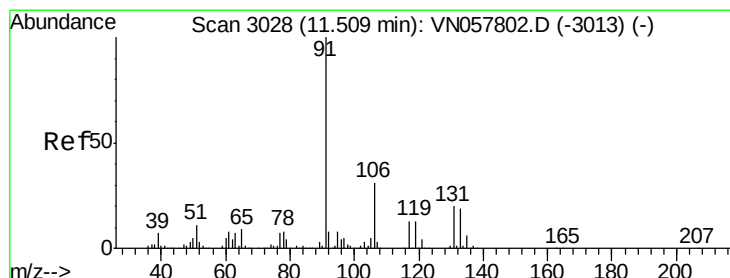
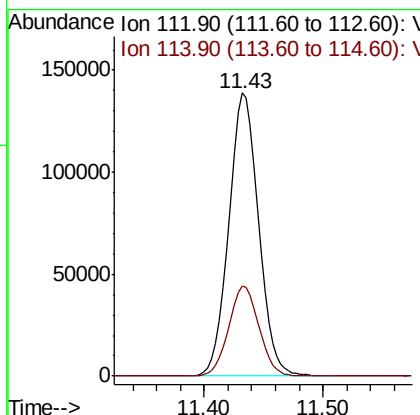
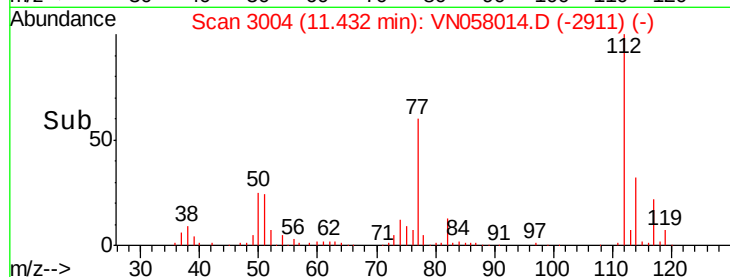
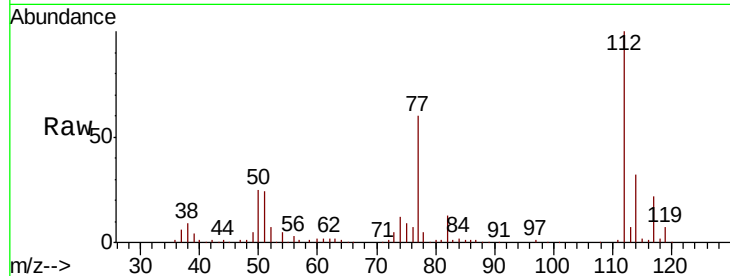




#65
Chlorobenzene
Concen: 19.671 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

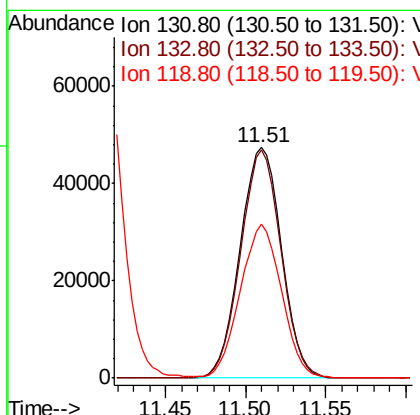
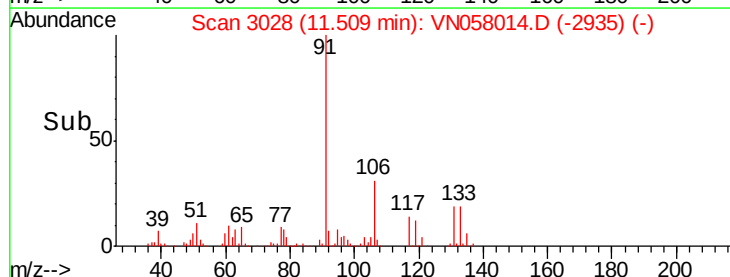
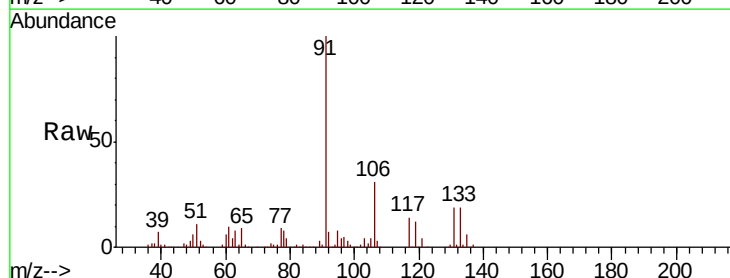
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

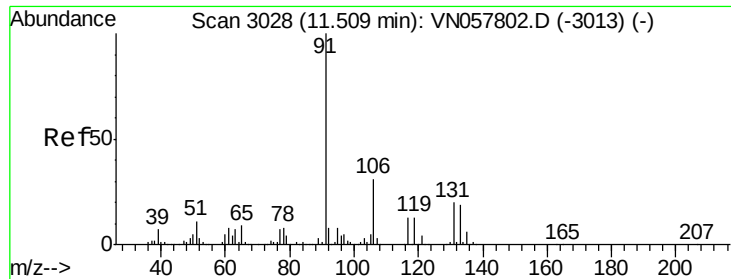
Tgt Ion:112 Resp: 240835
Ion Ratio Lower Upper
112 100
114 31.8 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.753 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Tgt Ion:131 Resp: 83919
Ion Ratio Lower Upper
131 100
133 96.6 47.1 141.3
119 66.8 33.3 99.8

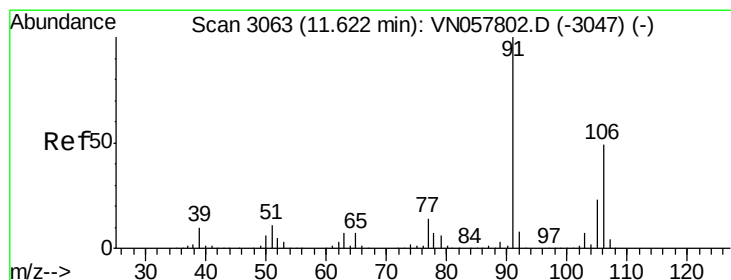
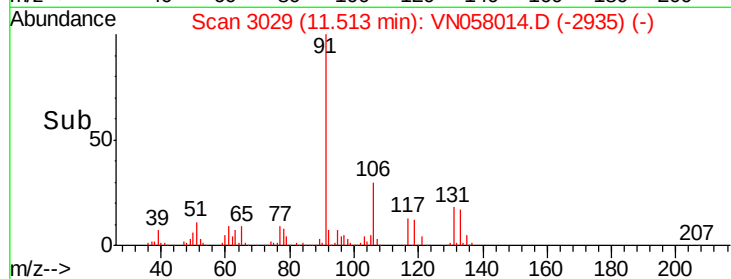
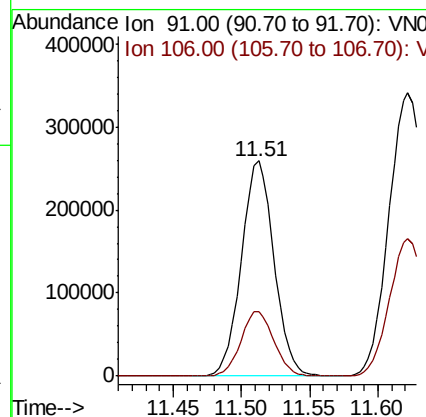
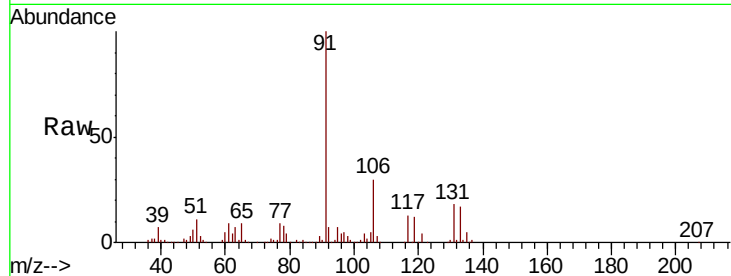




#67
Ethyl Benzene
Concen: 20.081 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

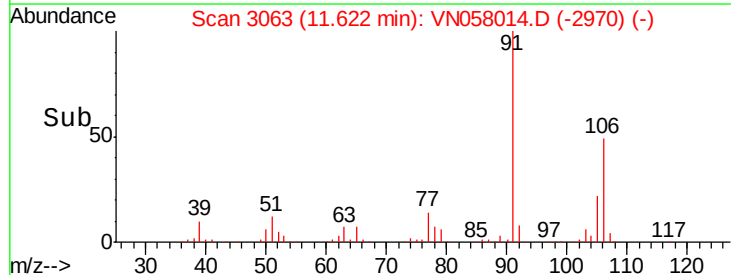
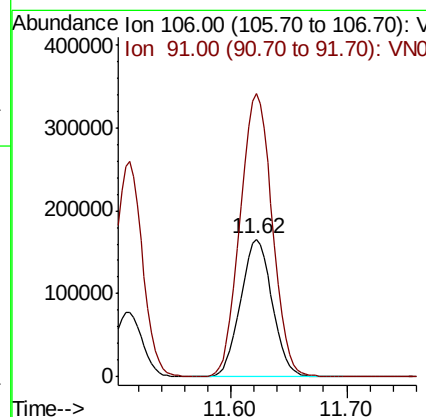
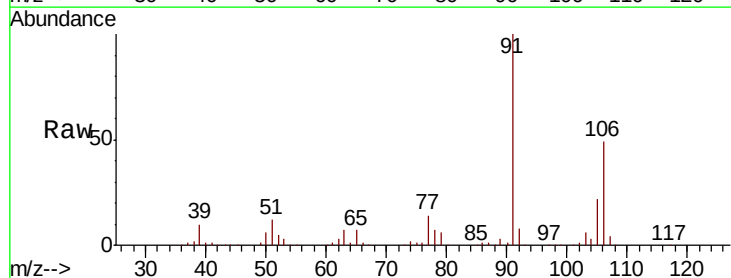
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

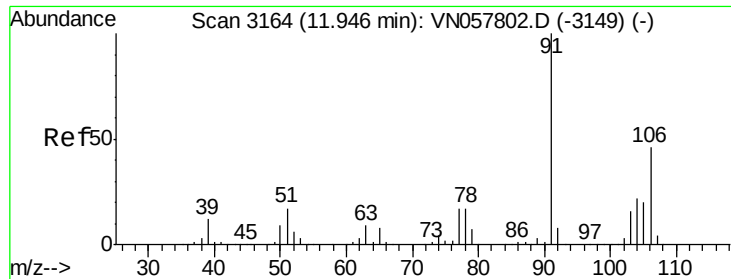
Tgt Ion: 91 Resp: 430866
Ion Ratio Lower Upper
91 100
106 30.0 24.4 36.6



#68
m/p-Xylenes
Concen: 39.805 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Tgt Ion: 106 Resp: 312851
Ion Ratio Lower Upper
106 100
91 209.2 165.8 248.6

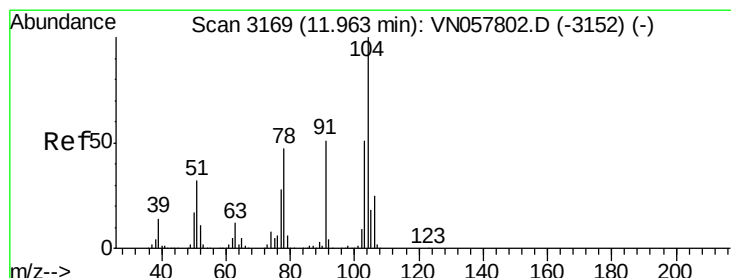
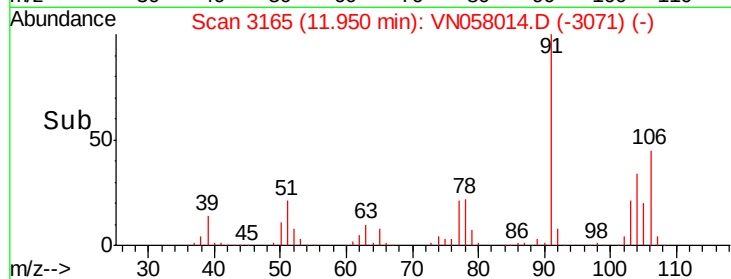
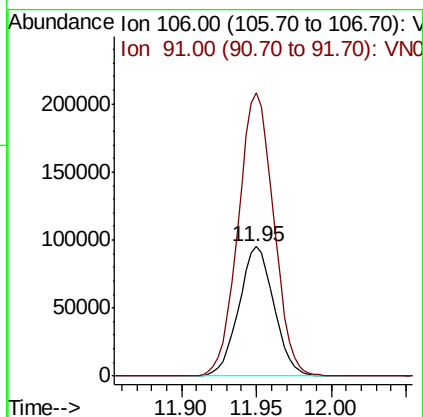
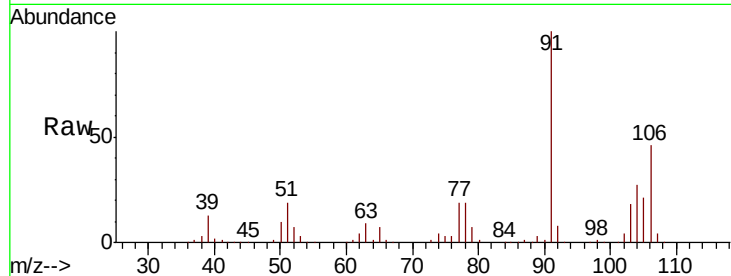




#69
o-Xylene
Concen: 19.930 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

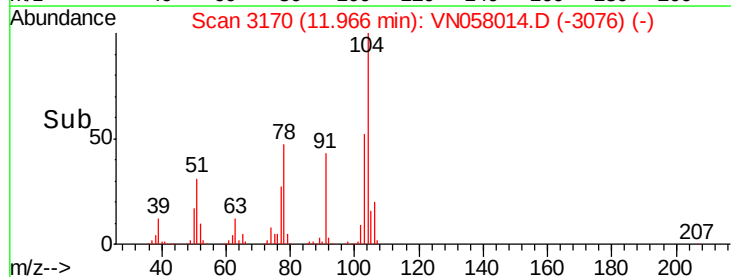
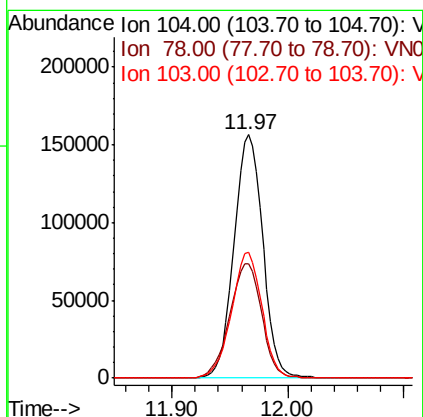
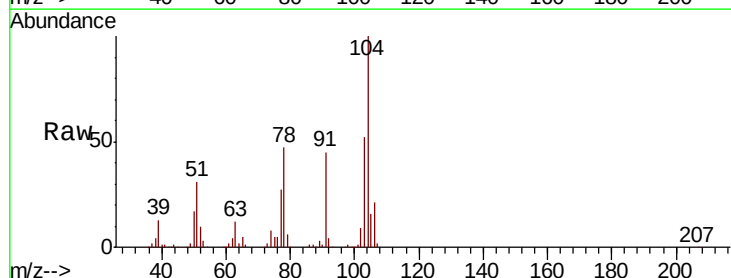
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

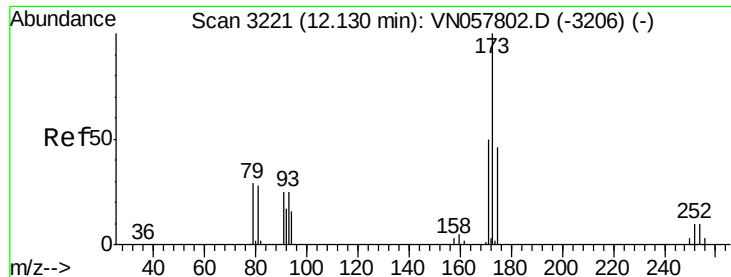
Tgt Ion:106 Resp: 155725
Ion Ratio Lower Upper
106 100
91 220.9 108.7 326.1



#70
Styrene
Concen: 20.068 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Tgt Ion:104 Resp: 269854
Ion Ratio Lower Upper
104 100
78 52.1 41.3 61.9
103 54.4 43.7 65.5





#71

Bromoform

Concen: 17.927 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

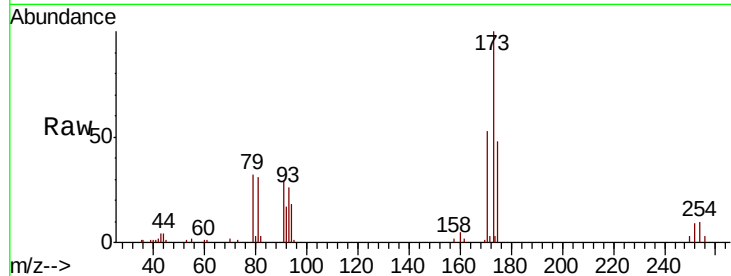
Tgt Ion:173 Resp: 47484

Ion Ratio Lower Upper

173 100

175 47.9 23.5 70.6

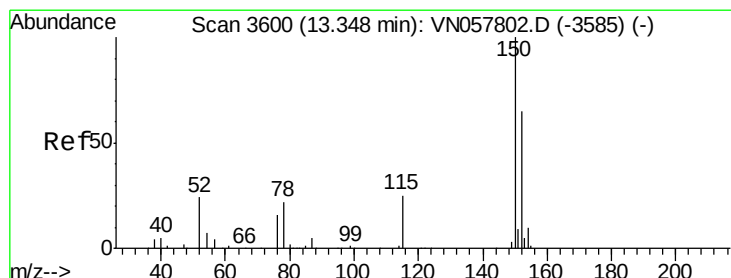
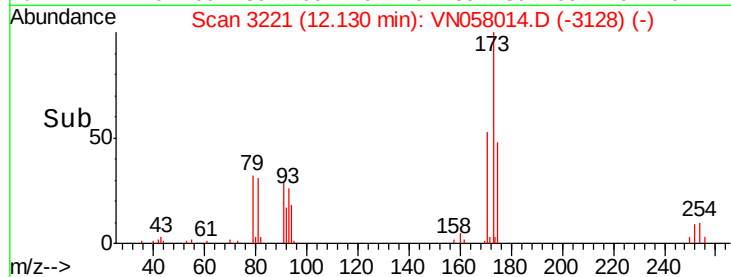
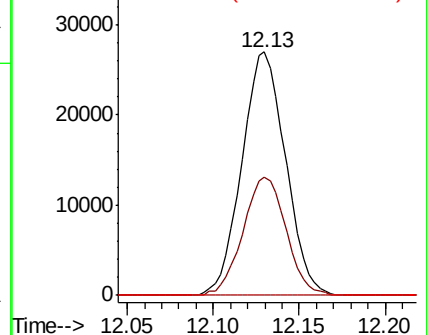
254 0.0 0.1 0.1#



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: VN058014.D

Acq: 13 Sep 2019 13:30

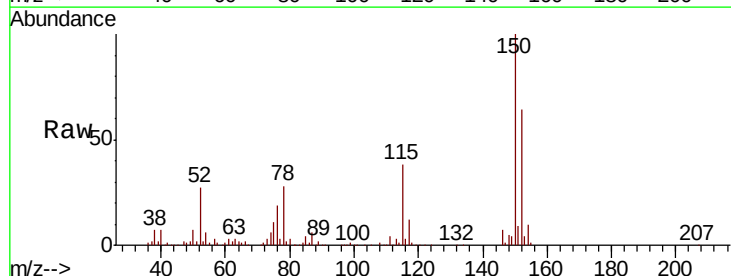
Tgt Ion:152 Resp: 272012

Ion Ratio Lower Upper

152 100

115 60.5 30.3 91.0

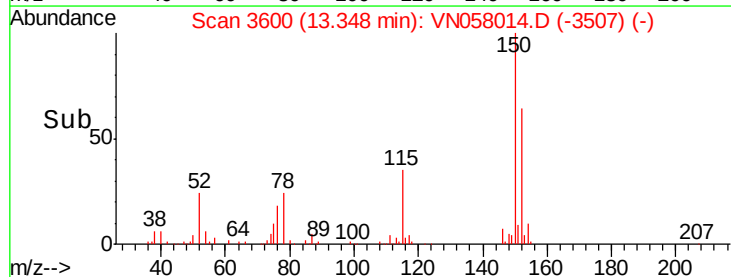
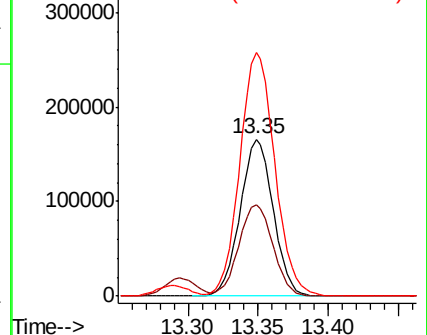
150 163.7 0.0 352.4

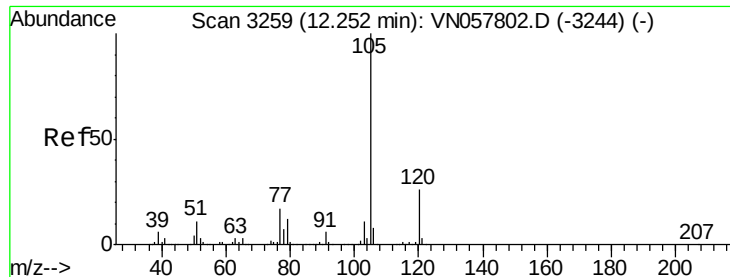


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.747 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

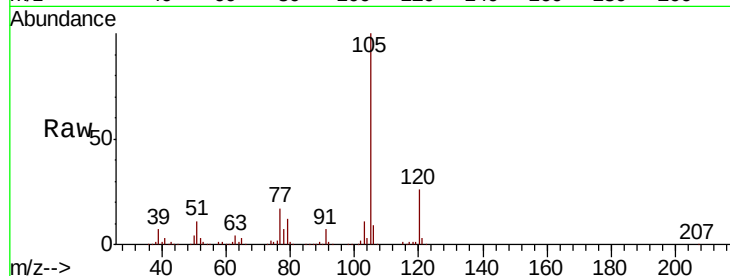
VN0914WBS02

Tgt Ion: 105 Resp: 437910

Ion Ratio Lower Upper

105 100

120 25.3 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

250000

200000

150000

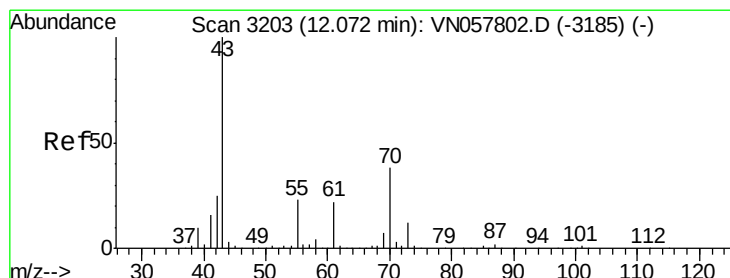
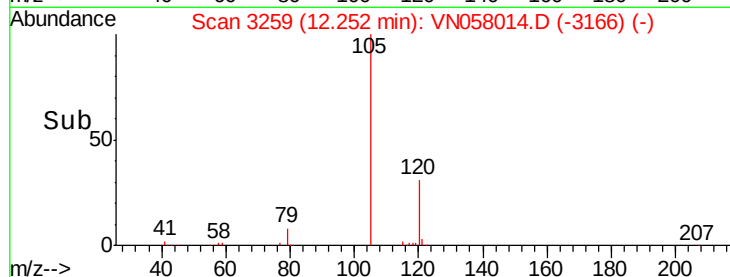
100000

50000

0

Time-->

12.20 12.30



#74

N-amyl acetate

Concen: 19.514 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Tgt Ion: 43 Resp: 179258

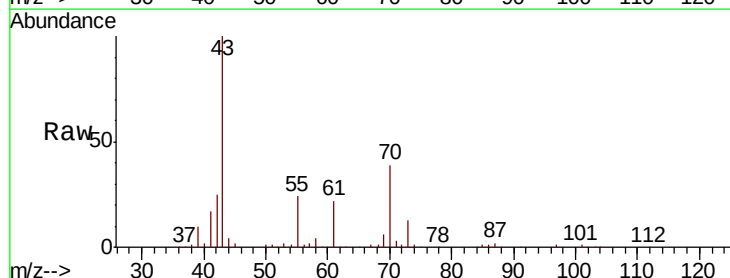
Ion Ratio Lower Upper

43 100

70 38.6 30.6 45.8

55 24.0 18.6 27.8

61 21.8 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

12.07

150000

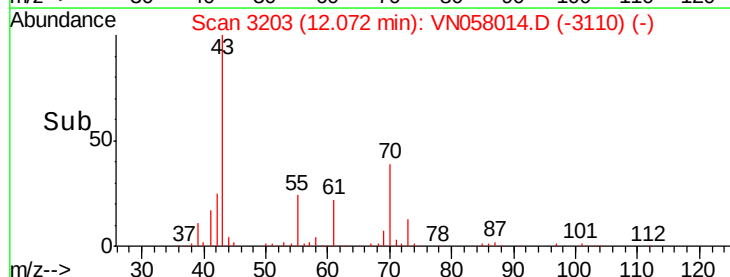
100000

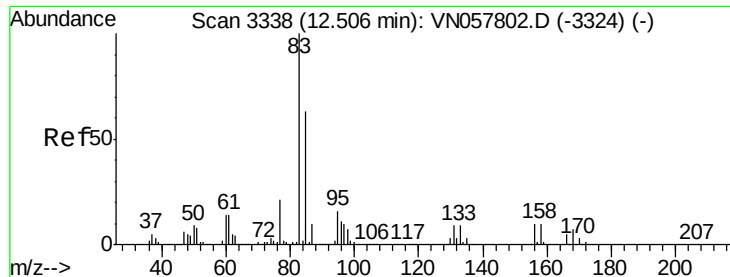
50000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 19.830 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

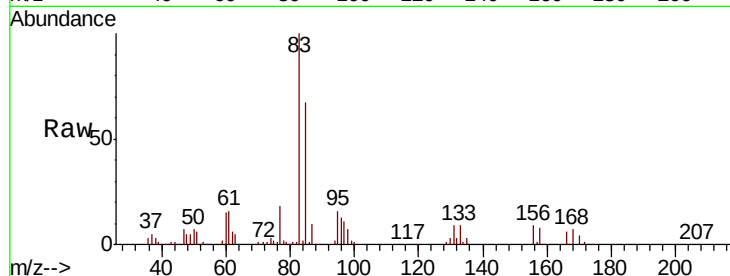
Tgt Ion: 83 Resp: 140926

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.3

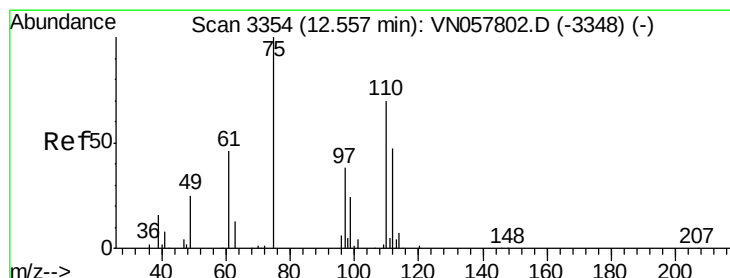
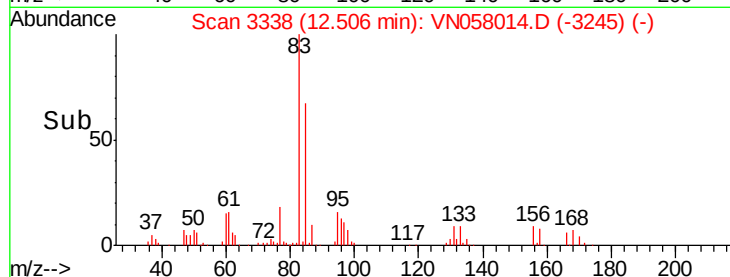
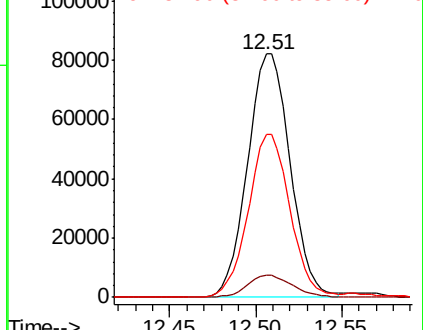
85 65.6 31.6 94.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 26.649 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058014.D

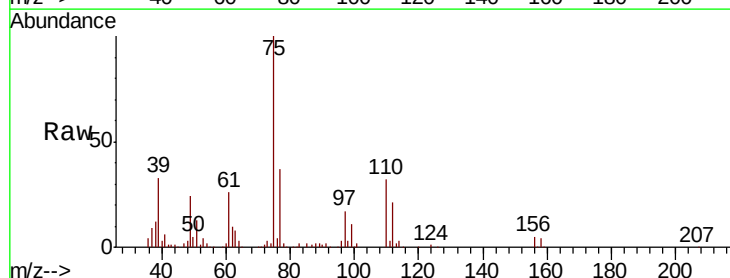
Acq: 13 Sep 2019 13:30

Tgt Ion: 75 Resp: 163979

Ion Ratio Lower Upper

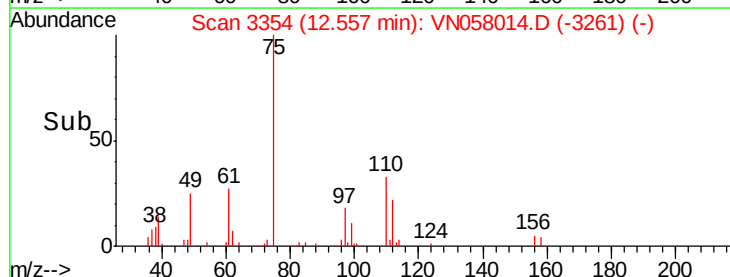
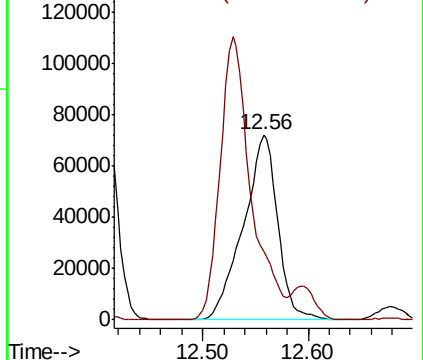
75 100

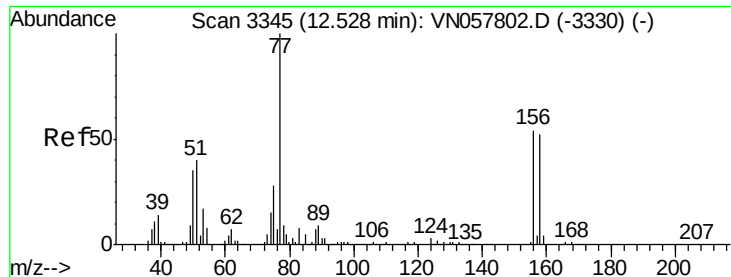
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.055 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampled :

VN0914WBS02

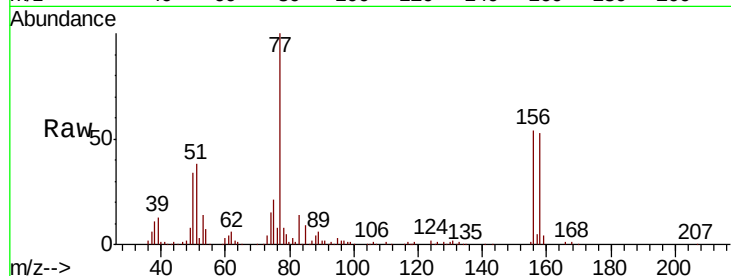
Tgt Ion:156 Resp: 100279

Ion Ratio Lower Upper

156 100

77 224.0 113.7 341.1

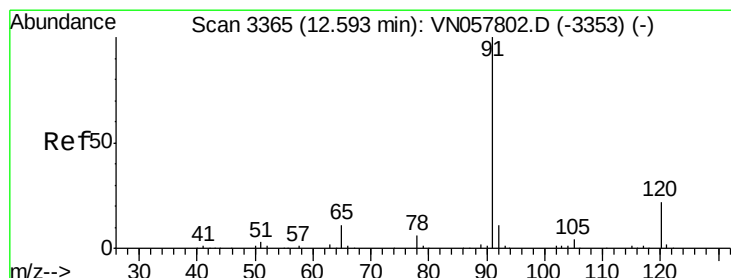
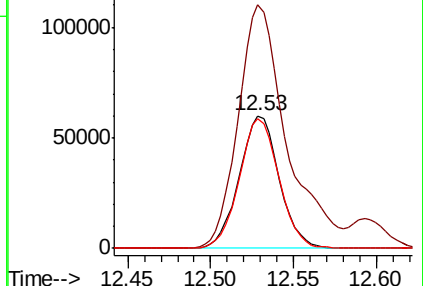
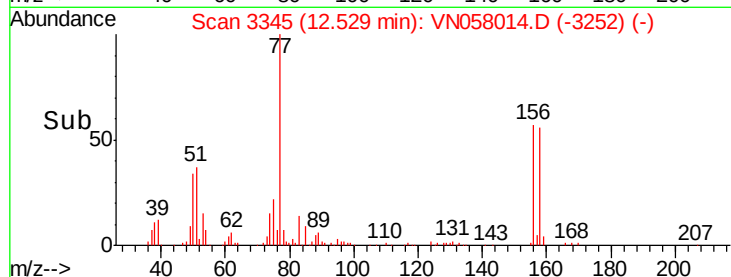
158 97.4 48.5 145.6



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: 20.855 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058014.D

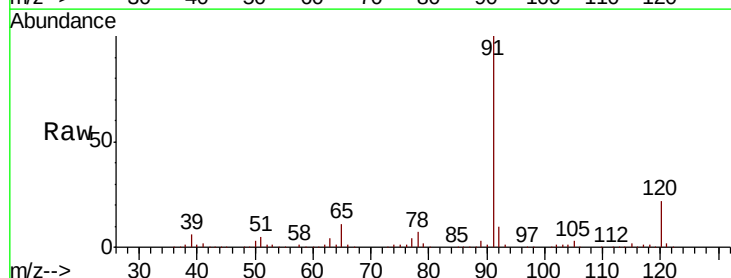
Acq: 13 Sep 2019 13:30

Tgt Ion: 91 Resp: 505485

Ion Ratio Lower Upper

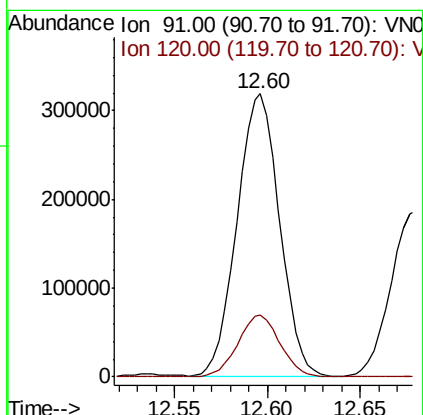
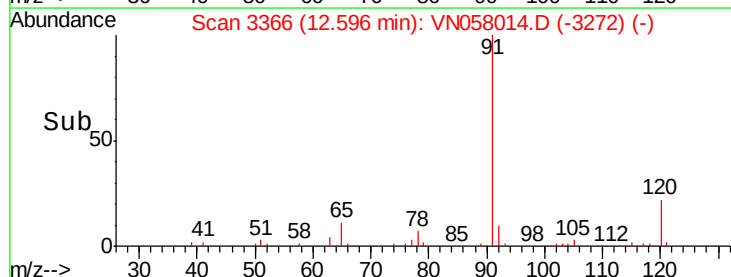
91 100

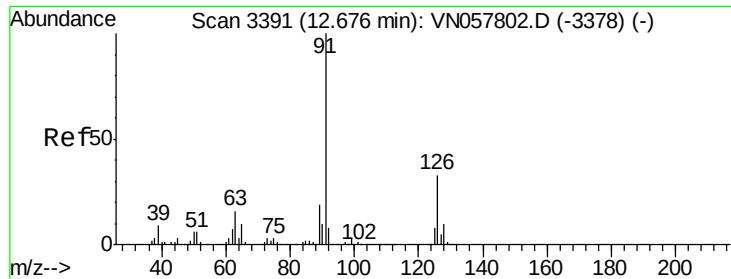
120 21.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

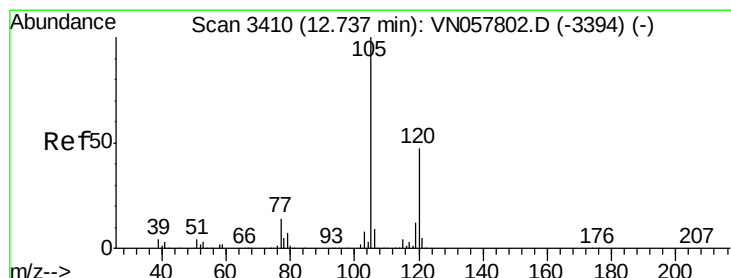
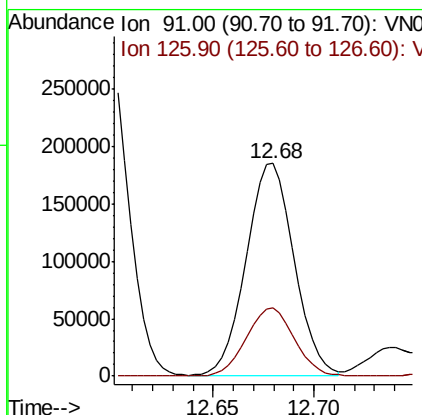
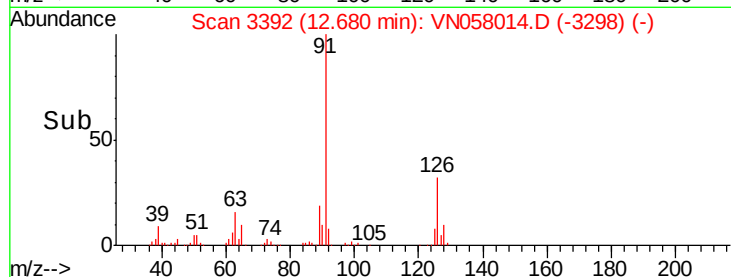
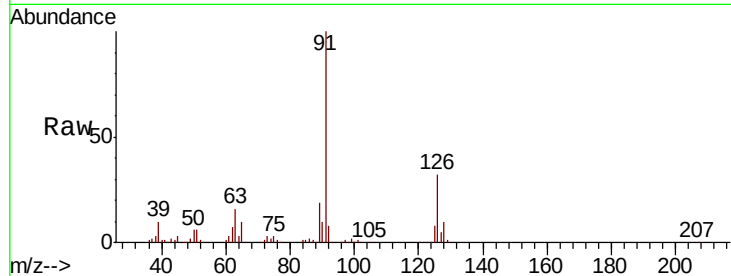




#79
 2-Chlorotoluene
 Concen: 19.975 ug/l
 RT: 12.68 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

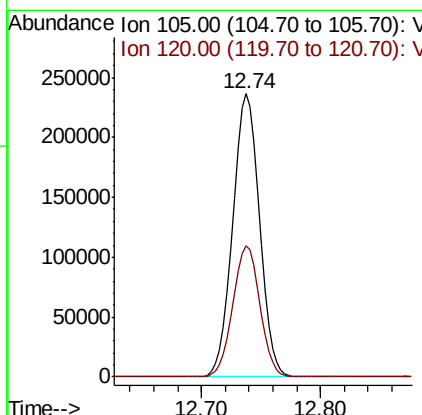
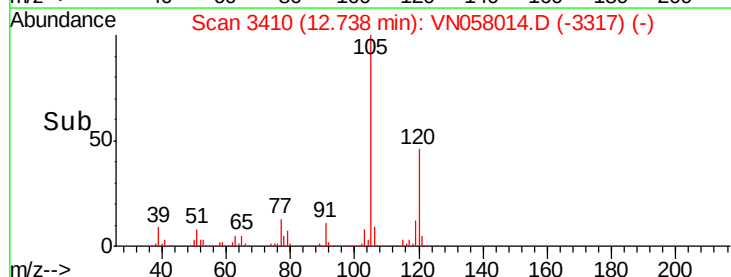
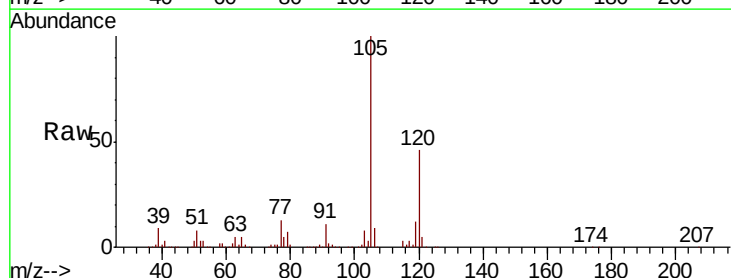
Instrument :
 MSVOA_N
 ClientSampled :
 VN0914WBS02

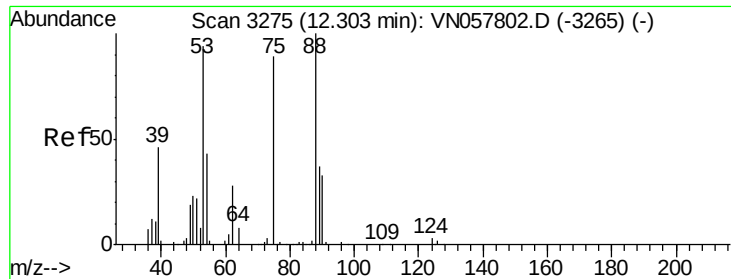
Tgt Ion: 91 Resp: 306001
 Ion Ratio Lower Upper
 91 100
 126 32.2 16.4 49.2



#80
 1,3,5-Trimethylbenzene
 Concen: 20.689 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Tgt Ion: 105 Resp: 368968
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 15.069 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

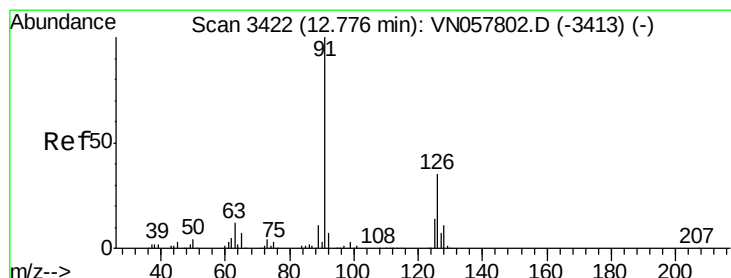
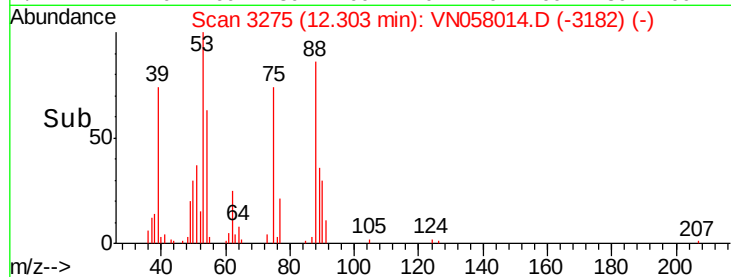
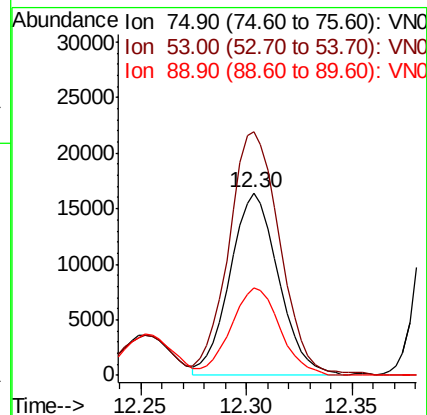
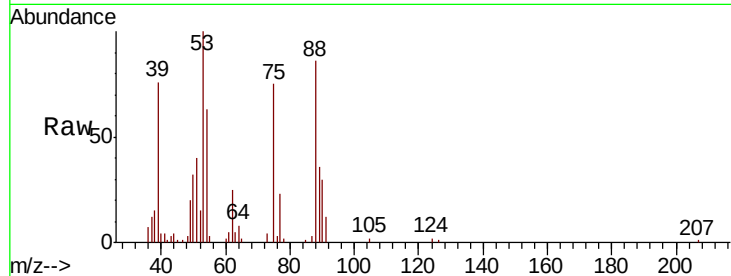
Tgt Ion: 75 Resp: 26350

Ion Ratio Lower Upper

75 100

53 140.5 88.4 132.6#

89 48.0 35.3 52.9



#82

4-Chlorotoluene

Concen: 19.658 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058014.D

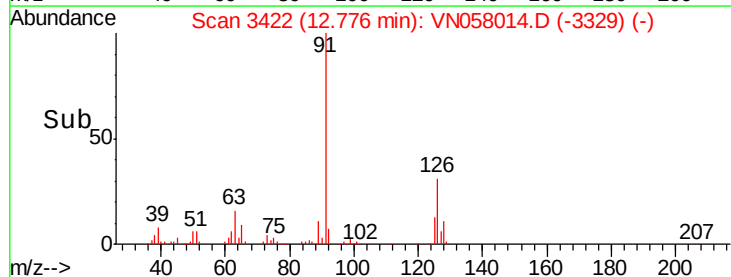
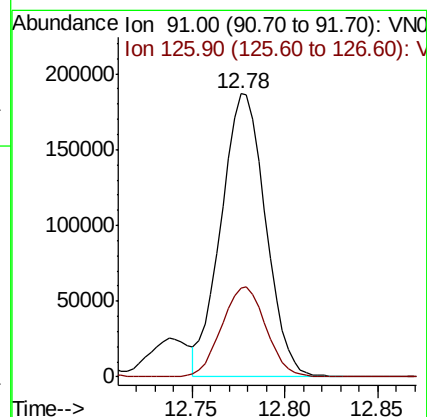
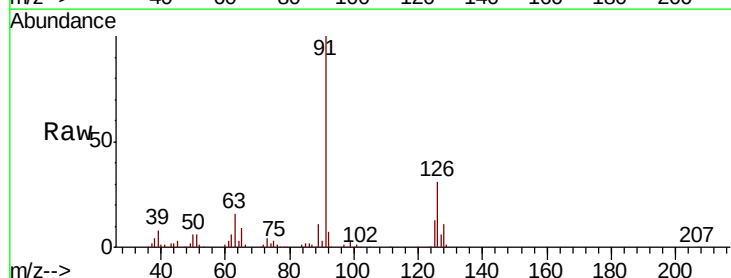
Acq: 13 Sep 2019 13:30

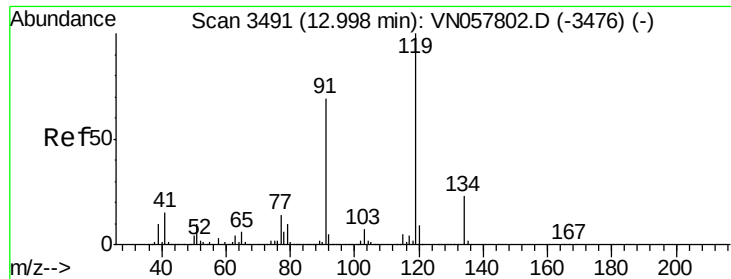
Tgt Ion: 91 Resp: 309250

Ion Ratio Lower Upper

91 100

126 32.0 16.0 48.0

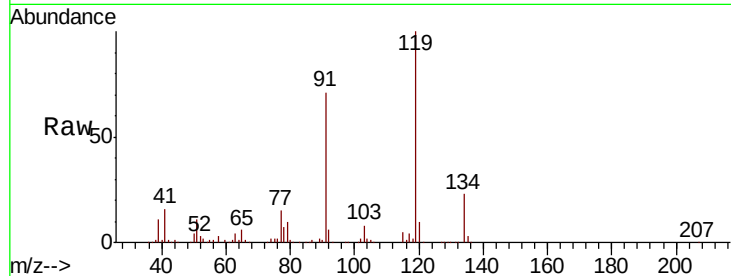




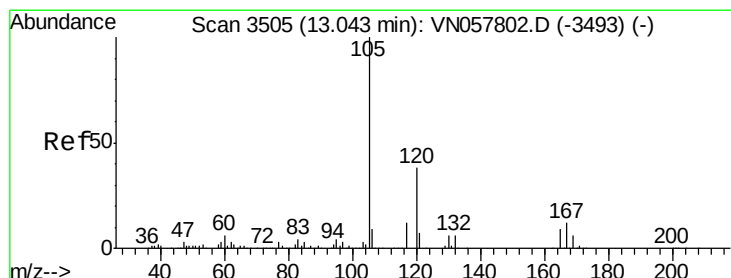
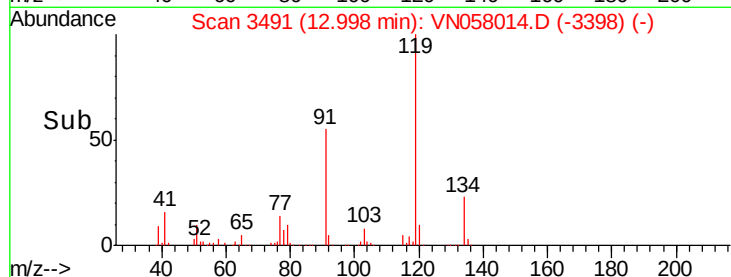
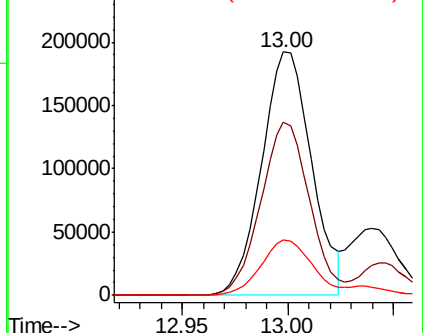
#83
 tert-Butylbenzene
 Concen: 20.028 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

Tgt Ion:119 Resp: 317503
 Ion Ratio Lower Upper
 119 100
 91 69.4 33.6 100.8
 134 23.3 11.7 35.0

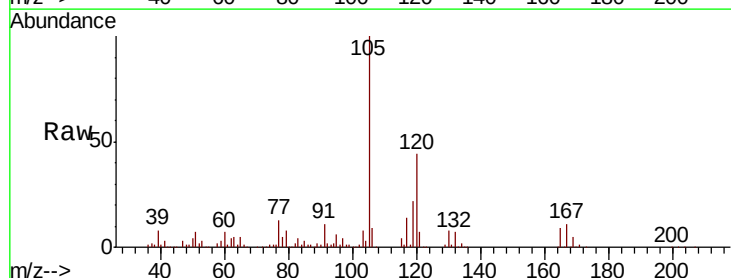


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

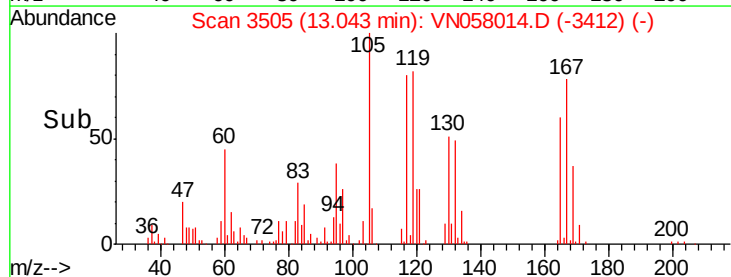
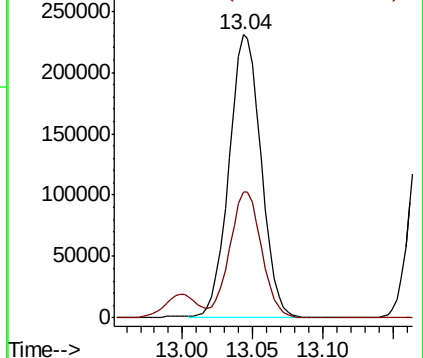


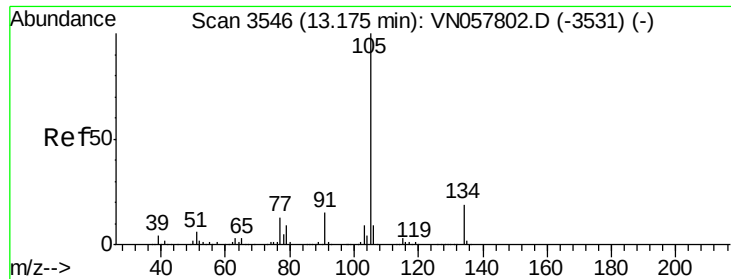
#84
 1,2,4-Trimethylbenzene
 Concen: 20.226 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Tgt Ion:105 Resp: 366616
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.4 67.2



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





#85

sec-Butylbenzene

Concen: 20.662 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

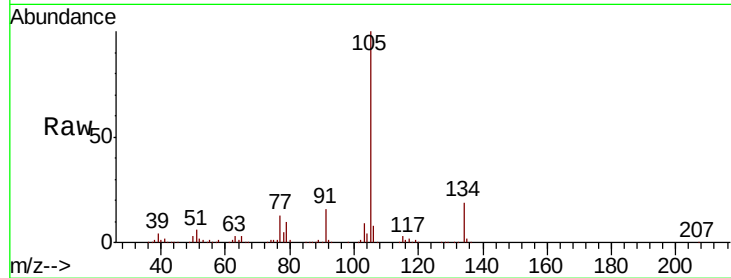
VN0914WBS02

Tgt Ion:105 Resp: 434157

Ion Ratio Lower Upper

105 100

134 19.1 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

300000

250000

200000

150000

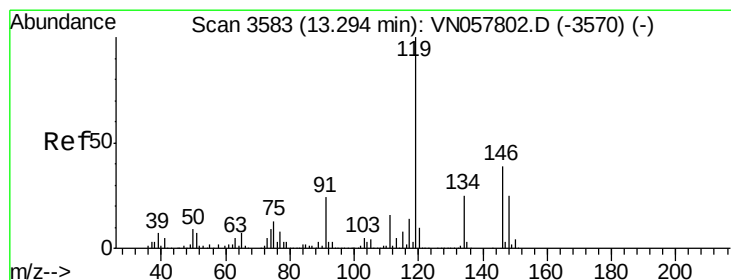
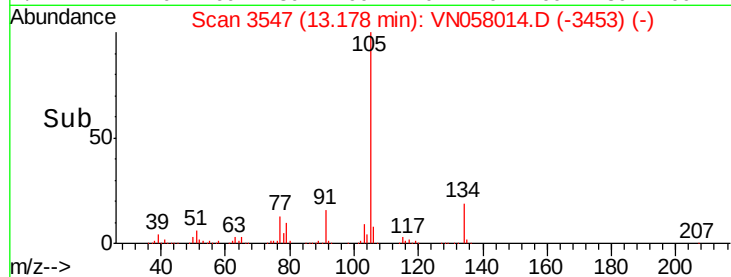
100000

50000

0

Time-->

13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 20.627 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

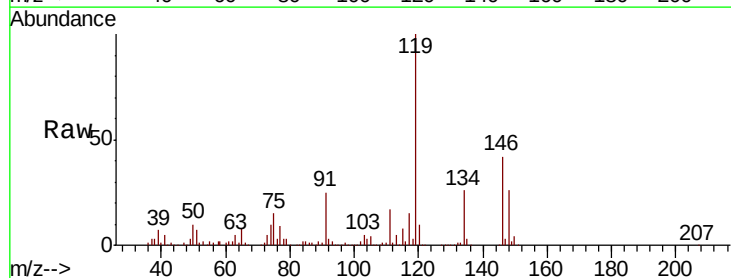
Tgt Ion:119 Resp: 381879

Ion Ratio Lower Upper

119 100

134 25.4 12.5 37.5

91 24.5 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

300000

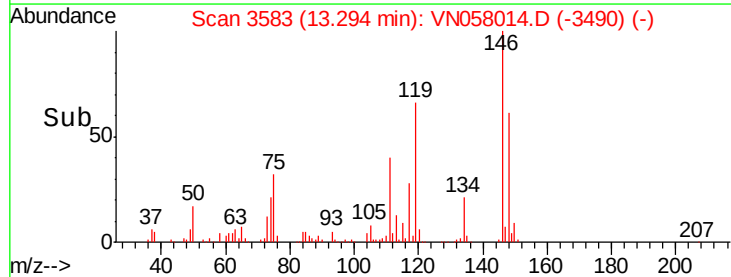
200000

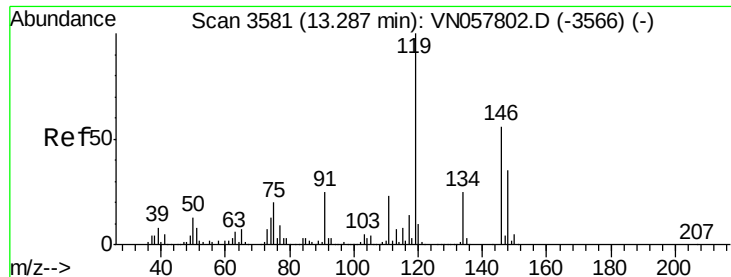
100000

0

Time-->

13.20 13.25 13.30 13.35

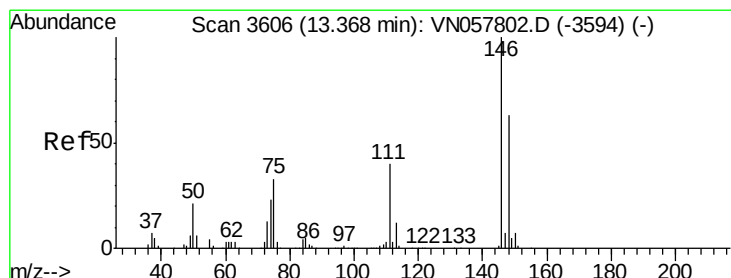
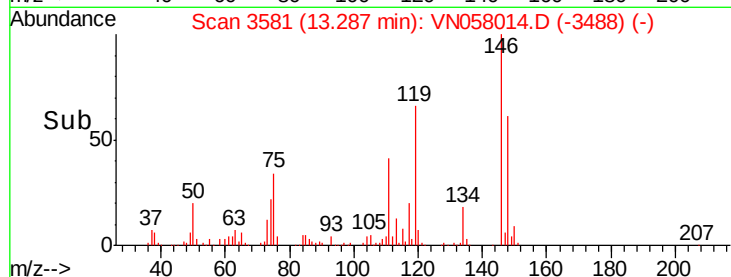
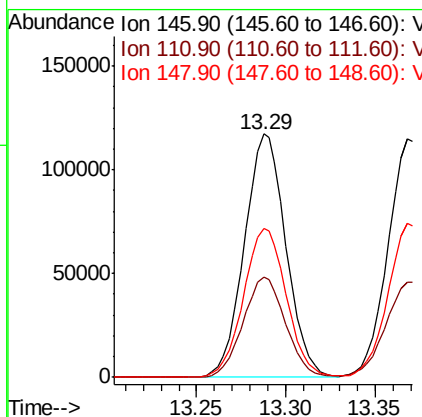
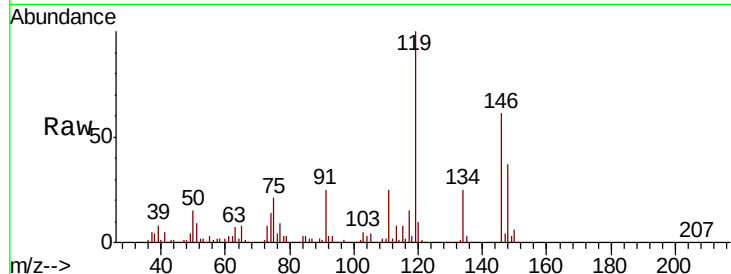




#87
 1,3-Dichlorobenzene
 Concen: 19.769 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

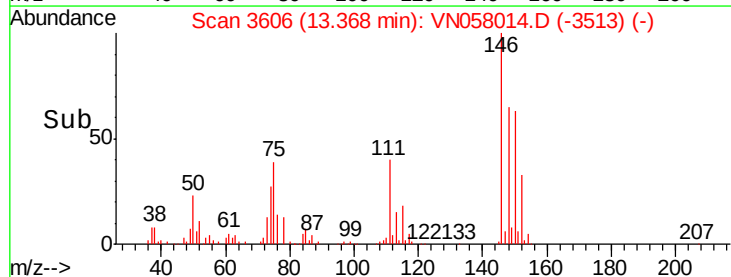
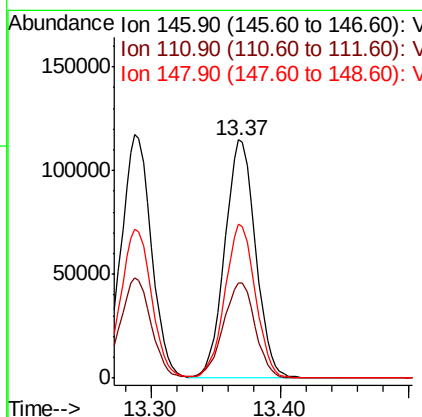
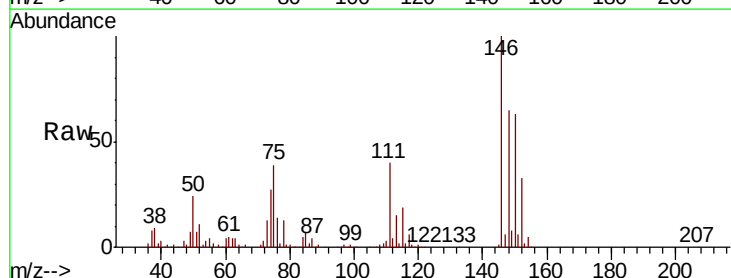
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

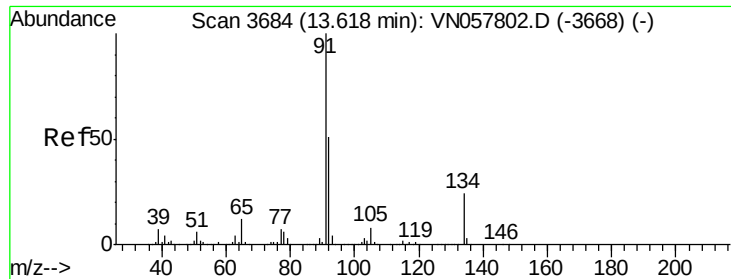
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.5	61.6
148	62.8	31.5	94.5



#88
 1,4-Dichlorobenzene
 Concen: 19.356 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.4	61.2
148	64.4	31.8	95.4





#89

n-Butylbenzene

Concen: 19.538 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

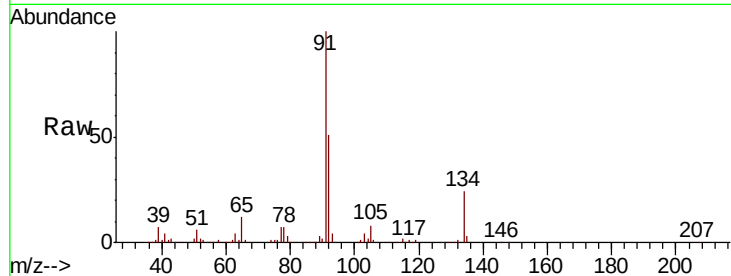
Tgt Ion: 91 Resp: 341597

Ion Ratio Lower Upper

91 100

92 50.7 25.7 77.0

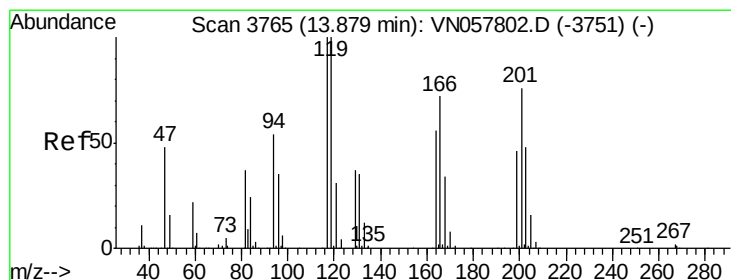
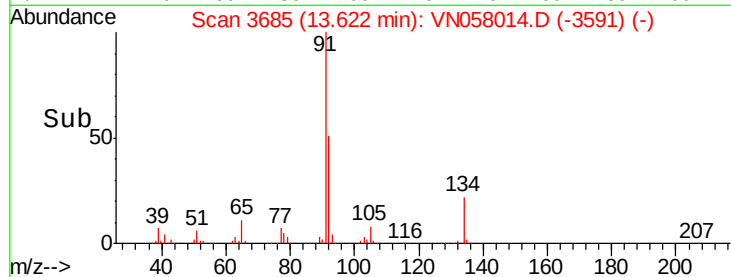
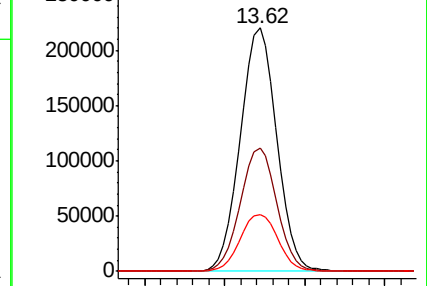
134 24.3 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN057802.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN057802.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN057802.D (-3668) (-)



#90

Hexachloroethane

Concen: 18.595 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058014.D

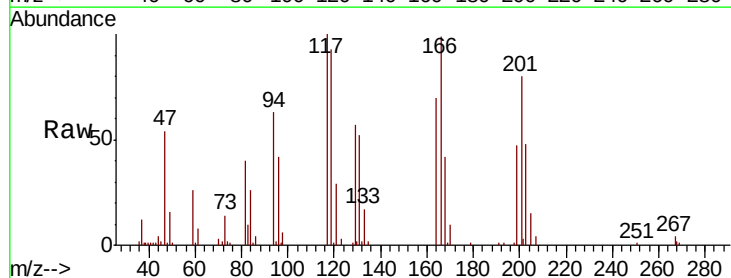
Acq: 13 Sep 2019 13:30

Tgt Ion: 117 Resp: 51198

Ion Ratio Lower Upper

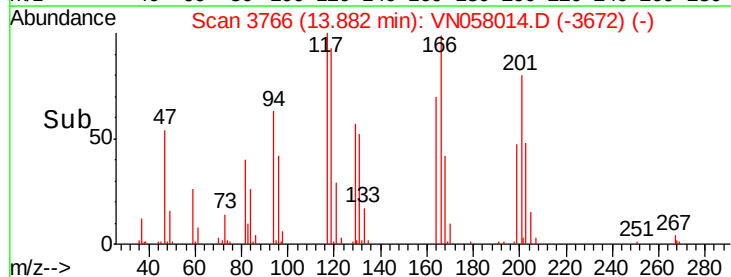
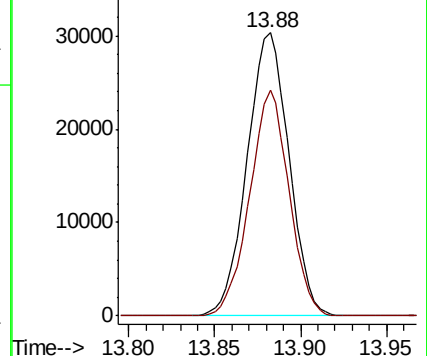
117 100

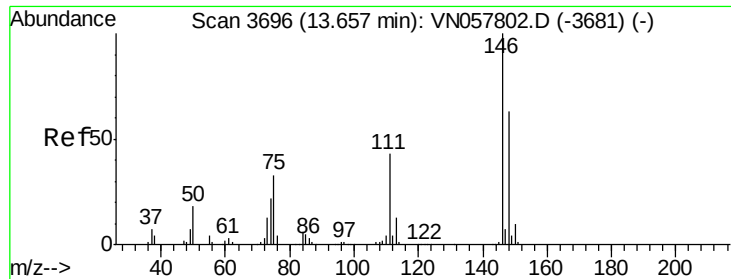
201 75.0 37.5 112.7



Abundance Ion 116.80 (116.50 to 117.50): VN057802.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN057802.D (-3751) (-)

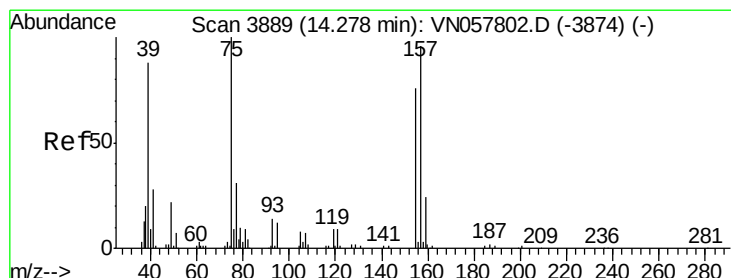
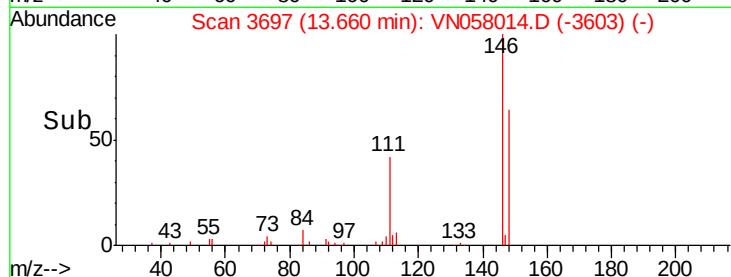
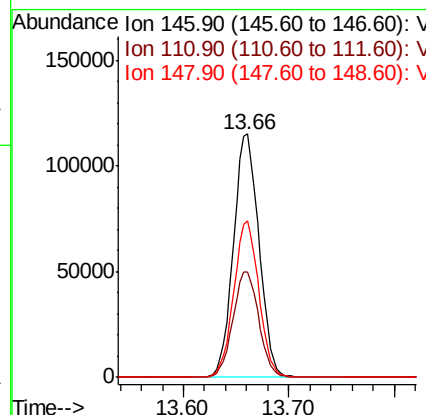
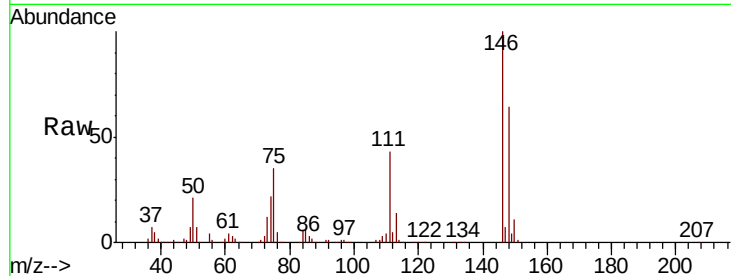




#91
 1,2-Dichlorobenzene
 Concen: 19.992 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

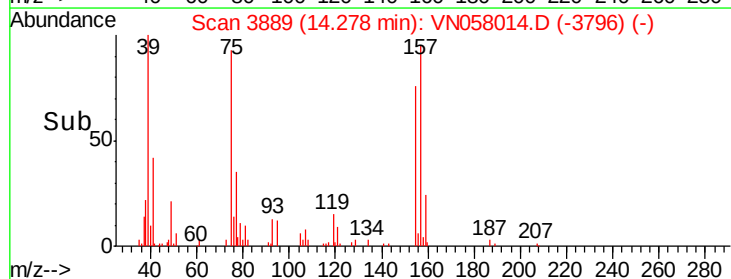
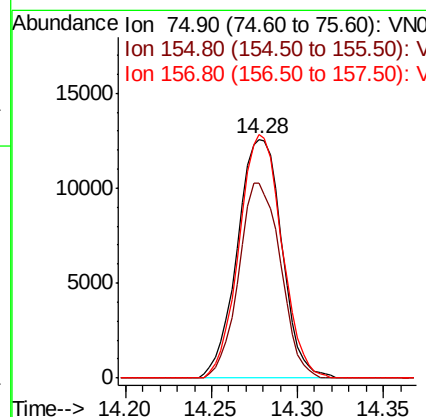
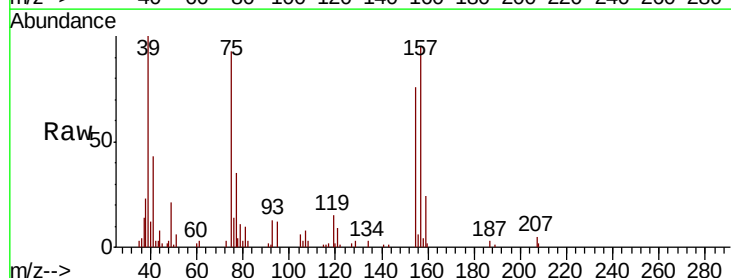
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

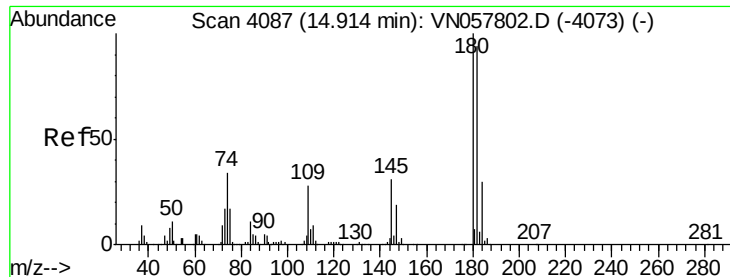
Tgt Ion: 146 Resp: 192920
 Ion Ratio Lower Upper
 146 100
 111 43.7 21.3 63.9
 148 62.9 31.4 94.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.283 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Tgt Ion: 75 Resp: 22632
 Ion Ratio Lower Upper
 75 100
 155 76.6 37.3 111.8
 157 97.8 47.9 143.8

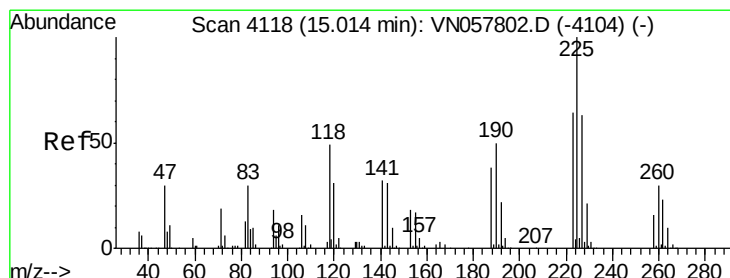
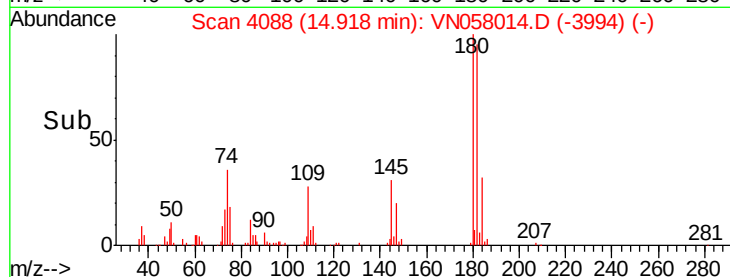
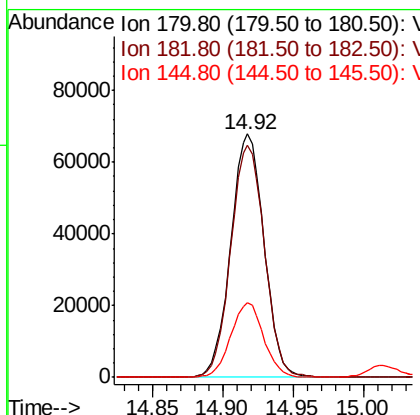
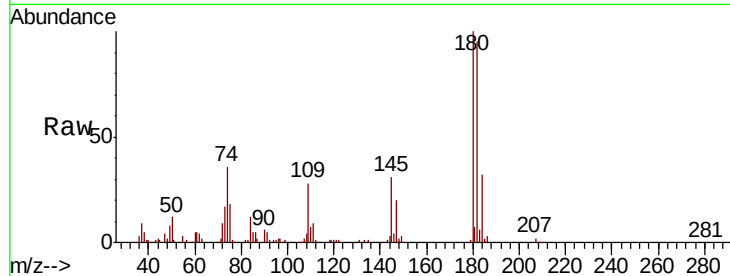




#93
 1,2,4-Trichlorobenzene
 Concen: 17.800 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

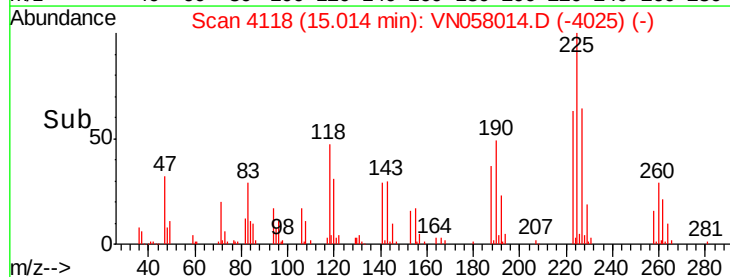
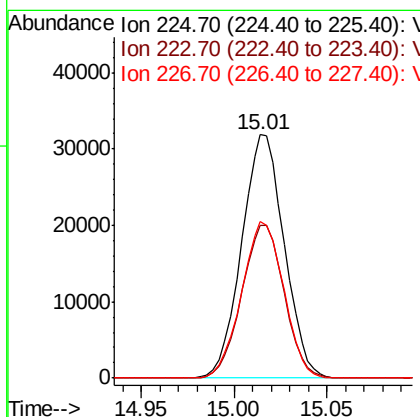
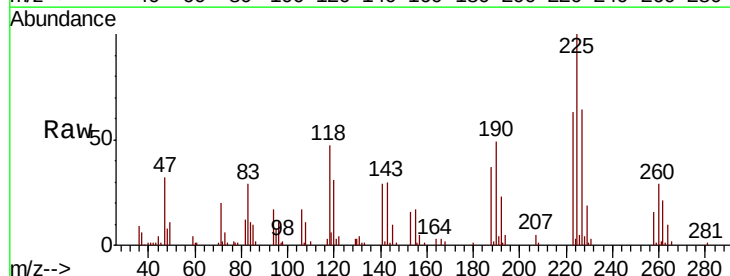
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

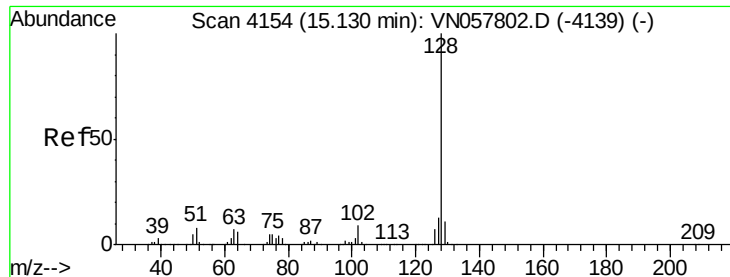
Tgt Ion:180 Resp: 112274
 Ion Ratio Lower Upper
 180 100
 182 96.4 46.9 140.8
 145 30.1 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 19.062 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Tgt Ion:225 Resp: 50968
 Ion Ratio Lower Upper
 225 100
 223 62.6 32.4 97.2
 227 63.5 31.8 95.4

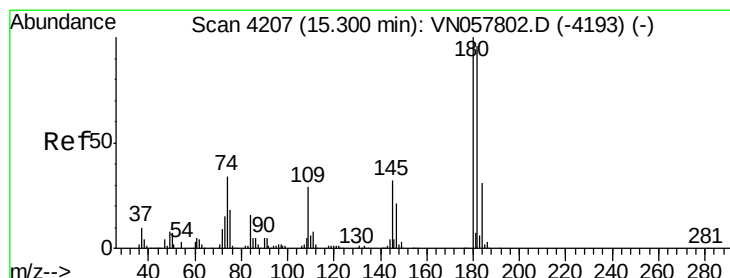
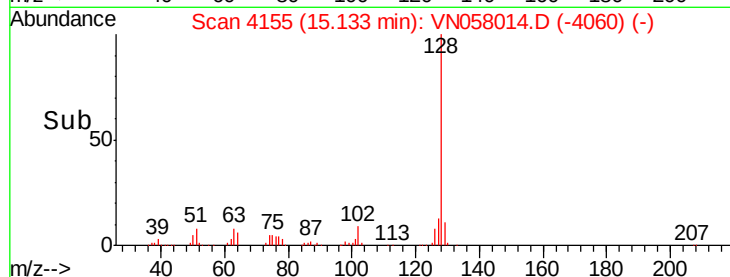
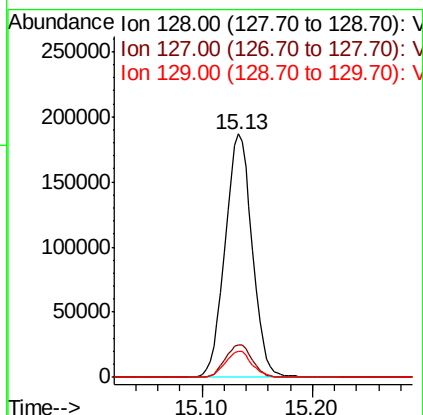
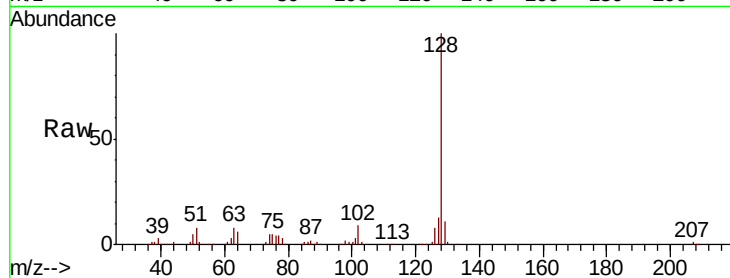




#95
Naphthalene
Concen: 18.978 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	10.6	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.496 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.3	144.8
145	31.5	16.3	48.8

