

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091319\
 Data File : VN057980.D
 Acq On : 12 Sep 2019 19:43
 Operator : JC/SP
 Sample : VN0913WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

Quant Time: Sep 13 04:49:28 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	301501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	501583	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	469703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	274112	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	315586	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
35) Dibromofluoromethane	7.58	113	226939	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
50) Toluene-d8	10.09	98	910108	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.41	95	314957	45.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.96%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	82067	19.682	ug/l 98
3) Chloromethane	2.04	50	73029	17.184	ug/l 95
4) Vinyl Chloride	2.17	62	76938	17.106	ug/l 98
5) Bromomethane	2.55	94	44299	16.916	ug/l 99
6) Chloroethane	2.69	64	50509	17.623	ug/l 99
7) Trichlorofluoromethane	3.00	101	100694	17.790	ug/l 100
8) Diethyl Ether	3.39	74	47131	19.964	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	69219	19.385	ug/l 100
10) Methyl Iodide	3.94	142	67171	16.905	ug/l 98
11) Tert butyl alcohol	4.76	59	70063	94.795	ug/l 100
12) 1,1-Dichloroethene	3.72	96	60145	18.734	ug/l 98
13) Acrolein	3.59	56	5704	9.097	ug/l 90
14) Allyl chloride	4.31	41	114773	18.268	ug/l 98
15) Acrylonitrile	4.96	53	216371	106.508	ug/l 100
16) Acetone	3.80	43	182396	91.113	ug/l 97
17) Carbon Disulfide	4.03	76	82466	16.610	ug/l 98
18) Methyl Acetate	4.30	43	120308	22.540	ug/l 97
19) Methyl tert-butyl Ether	5.02	73	279529	20.922	ug/l 99
20) Methylene Chloride	4.53	84	82375	20.899	ug/l 96
21) trans-1,2-Dichloroethene	5.02	96	65636	18.912	ug/l 95
22) Diisopropyl ether	5.93	45	301124	20.437	ug/l 97
23) Vinyl Acetate	5.87	43	1094076	104.777	ug/l 98
24) 1,1-Dichloroethane	5.83	63	161237	20.023	ug/l 99
25) 2-Butanone	6.82	43	292390	100.914	ug/l 100
26) 2,2-Dichloropropane	6.80	77	113043	17.739	ug/l 99
27) cis-1,2-Dichloroethene	6.81	96	90890	19.542	ug/l 99
28) Bromochloromethane	7.18	49	83430	20.739	ug/l 99
29) Tetrahydrofuran	7.19	42	188809	105.752	ug/l 99
30) Chloroform	7.36	83	172930	20.539	ug/l 98
31) Cyclohexane	7.64	56	111701	18.968	ug/l 94
32) 1,1,1-Trichloroethane	7.56	97	133726	20.026	ug/l 98
36) 1,1-Dichloropropene	7.78	75	105943	18.213	ug/l 98
37) Ethyl Acetate	6.91	43	121272	20.178	ug/l 100
38) Carbon Tetrachloride	7.76	117	102480	19.296	ug/l 98

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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	9.08	83	105011	17.173	ug/l	97
40) Benzene	8.03	78	342623	19.564	ug/l	99
41) Methacrylonitrile	7.19	41	182757	66.989	ug/l #	16
42) 1,2-Dichloroethane	8.11	62	143057	20.425	ug/l	100
43) Isopropyl Acetate	8.15	43	260949	25.819	ug/l #	92
44) Trichloroethene	8.83	130	80644	18.774	ug/l	98
45) 1,2-Dichloropropane	9.11	63	102797	20.172	ug/l	98
46) Dibromomethane	9.20	93	64122	20.823	ug/l	97
47) Bromodichloromethane	9.40	83	126321	20.542	ug/l	99
48) Methyl methacrylate	9.19	41	100352	19.573	ug/l	99
49) 1,4-Dioxane	9.19	88	31248	360.411	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	644547	107.766	ug/l	100
52) Toluene	10.15	92	214984	19.490	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	122877	18.975	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	137542	19.238	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	95554	20.451	ug/l	98
56) Ethyl methacrylate	10.43	69	139802	19.869	ug/l	100
57) 1,3-Dichloropropane	10.71	76	162136	20.136	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	302571	91.303	ug/l	100
59) 2-Hexanone	10.75	43	459573	102.515	ug/l	98
60) Dibromochloromethane	10.90	129	84370	19.446	ug/l	99
61) 1,2-Dibromoethane	11.00	107	86950	19.684	ug/l	99
64) Tetrachloroethene	10.63	164	65193	18.798	ug/l	97
65) Chlorobenzene	11.44	112	239433	19.478	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	85791	20.113	ug/l	99
67) Ethyl Benzene	11.51	91	427298	19.835	ug/l	98
68) m/p-Xylenes	11.62	106	308104	39.044	ug/l	98
69) o-Xylene	11.95	106	154087	19.641	ug/l	97
70) Styrene	11.97	104	265444	19.661	ug/l	97
71) Bromoform	12.13	173	50502	18.991	ug/l #	98
73) Isopropylbenzene	12.25	105	429628	20.199	ug/l	99
74) N-amyl acetate	12.07	43	188237	20.335	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	144995	20.246	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	169086	27.268	ug/l #	100
77) Bromobenzene	12.53	156	102178	19.268	ug/l	97
78) n-propylbenzene	12.60	91	494518	20.247	ug/l	100
79) 2-Chlorotoluene	12.68	91	302369	19.587	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	362969	20.196	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	29031	16.475	ug/l	85
82) 4-Chlorotoluene	12.78	91	308637	19.469	ug/l	100
83) tert-Butylbenzene	13.00	119	309904	19.399	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	360503	19.736	ug/l	100
85) sec-Butylbenzene	13.18	105	424520	20.049	ug/l	99
86) p-Isopropyltoluene	13.30	119	373754	20.033	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	189883	19.507	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	185328	18.757	ug/l	97
89) n-Butylbenzene	13.62	91	334185	18.968	ug/l	99
90) Hexachloroethane	13.88	117	51483	18.555	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	191398	19.682	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	24187	20.451	ug/l	98

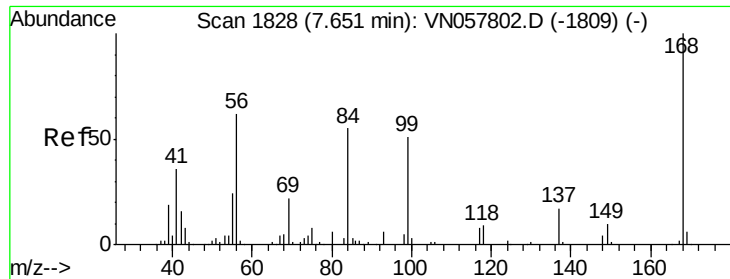
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	110305	17.354	ug/l	98
94) Hexachlorobutadiene	15.02	225	50625	18.789	ug/l	96
95) Naphthalene	15.13	128	319973	18.965	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	104930	19.530	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

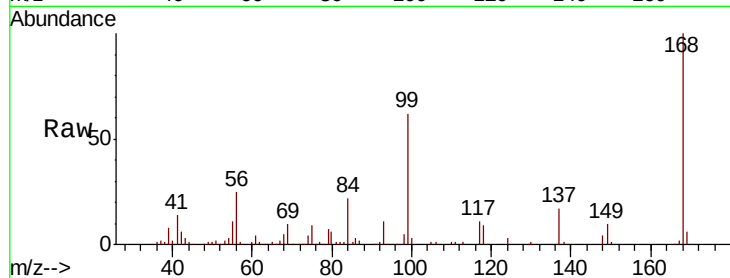
VN0913WBSD02

Tgt Ion:168 Resp: 301501

Ion Ratio Lower Upper

168 100

99 61.4 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

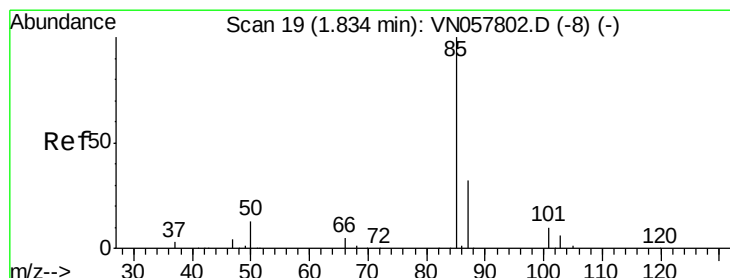
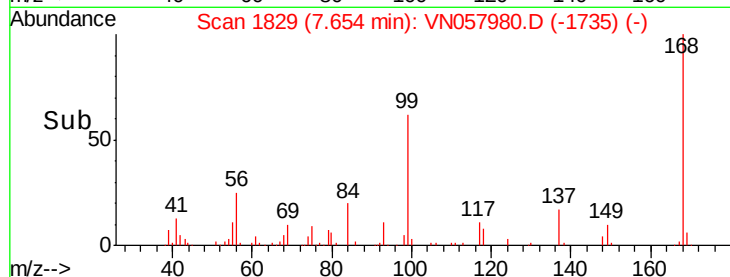
7.65

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 19.682 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057980.D

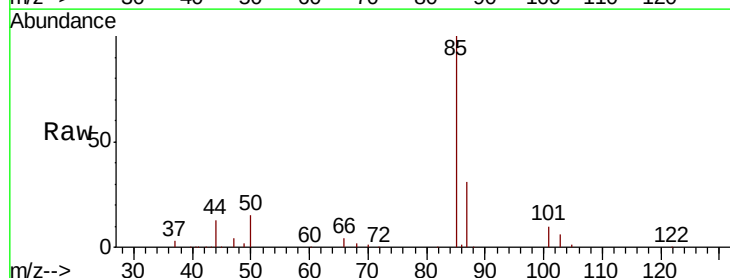
Acq: 12 Sep 2019 19:43

Tgt Ion: 85 Resp: 82067

Ion Ratio Lower Upper

85 100

87 30.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

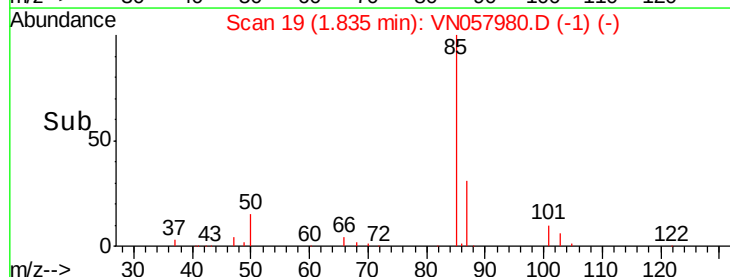
60000

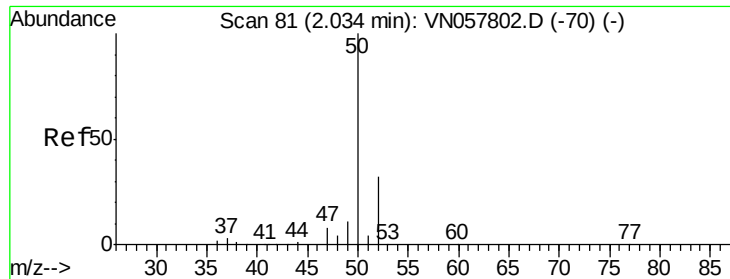
40000

20000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 17.184 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

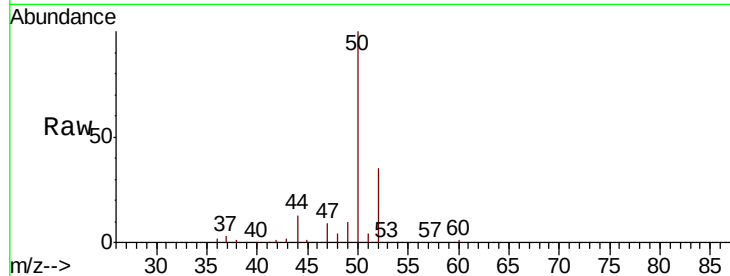
VN0913WBSD02

Tgt Ion: 50 Resp: 73029

Ion Ratio Lower Upper

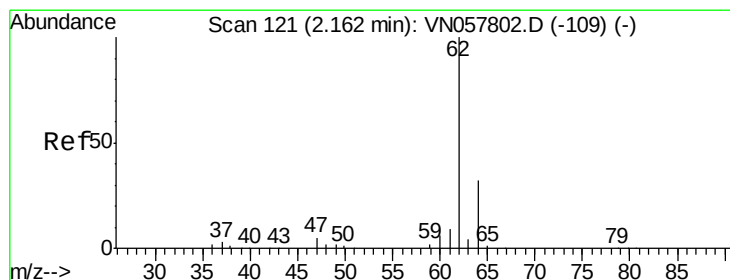
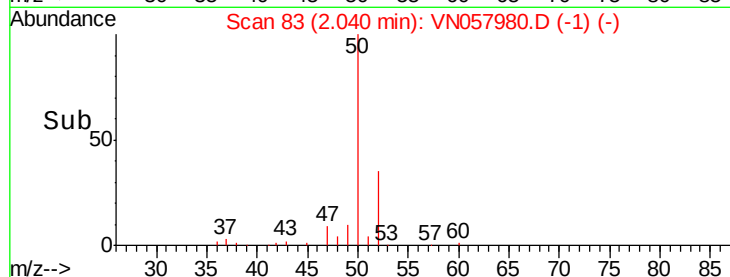
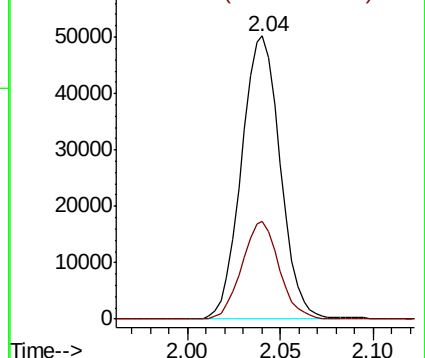
50 100

52 34.6 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: 17.106 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.01 min

Lab File: VN057980.D

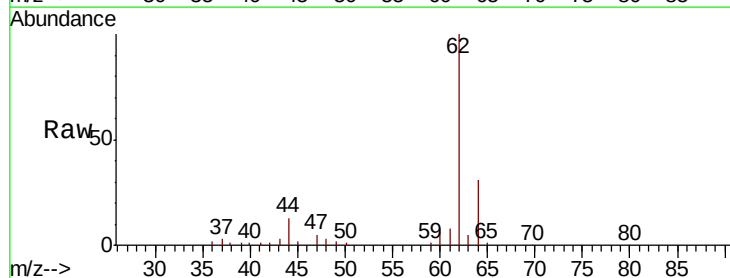
Acq: 12 Sep 2019 19:43

Tgt Ion: 62 Resp: 76938

Ion Ratio Lower Upper

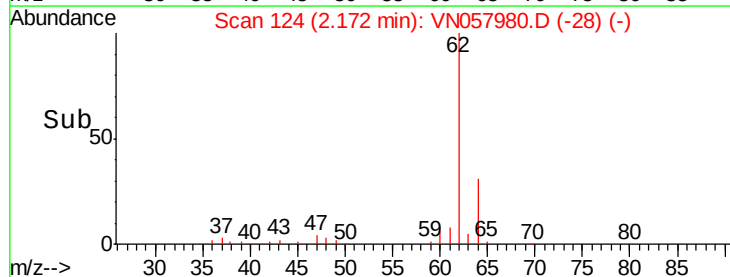
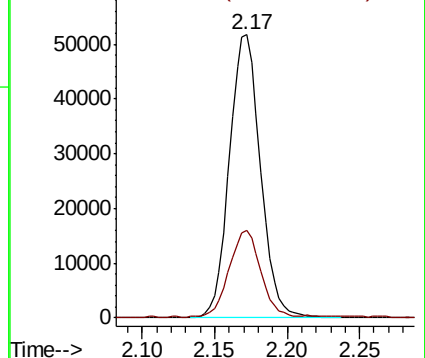
62 100

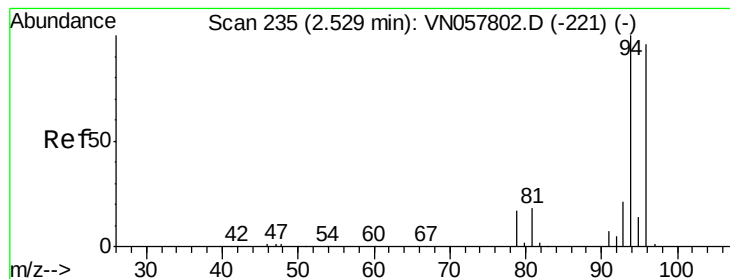
64 30.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 16.916 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

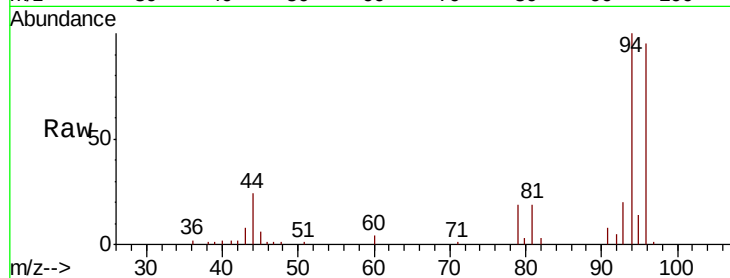
VN0913WBSD02

Tgt Ion: 94 Resp: 44299

Ion Ratio Lower Upper

94 100

96 95.4 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

25000

20000

15000

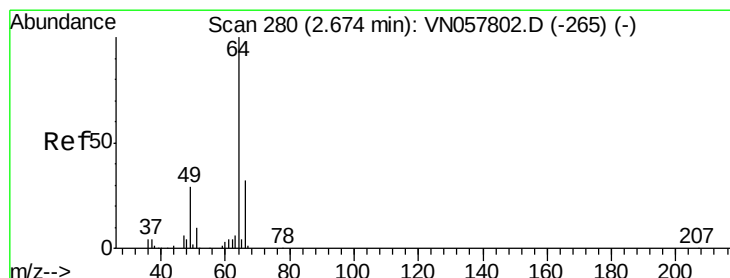
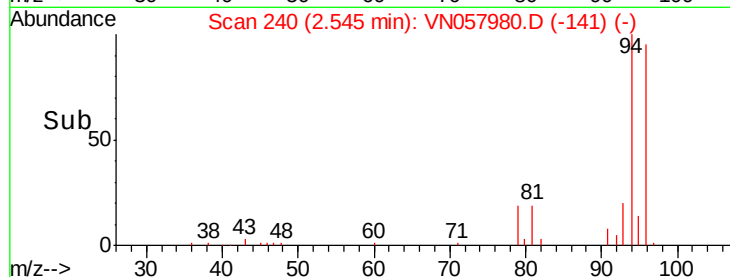
10000

5000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 17.623 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN057980.D

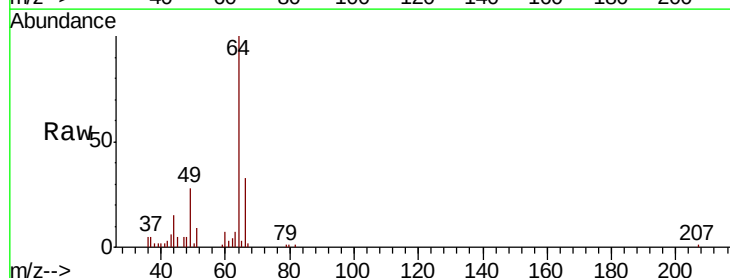
Acq: 12 Sep 2019 19:43

Tgt Ion: 64 Resp: 50509

Ion Ratio Lower Upper

64 100

66 32.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

30000

25000

20000

15000

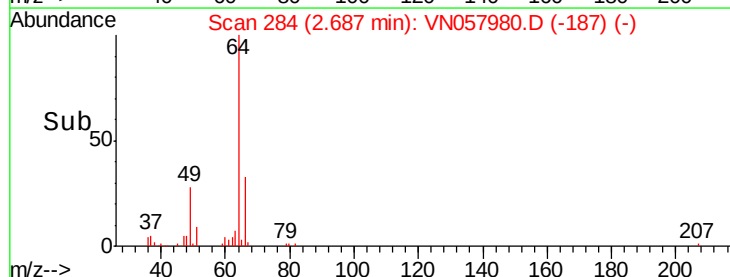
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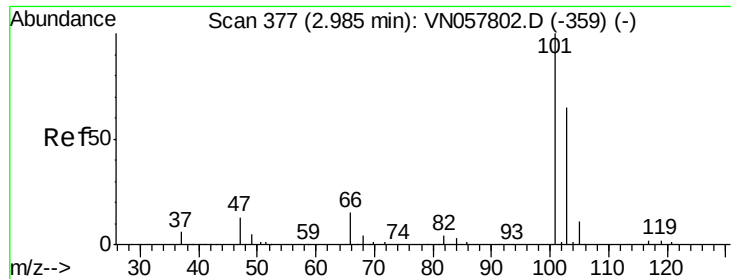
5000

0

Time-->

2.60 2.65 2.70 2.75



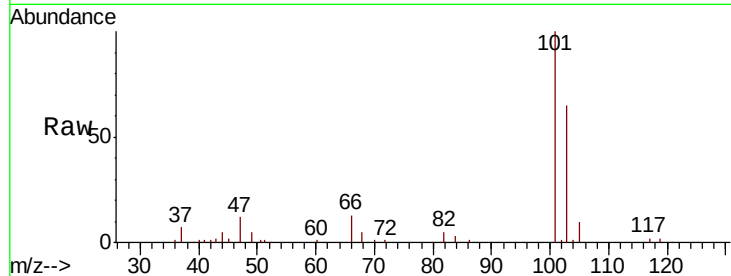


#7

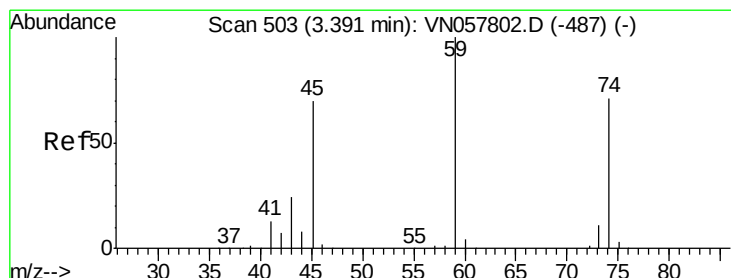
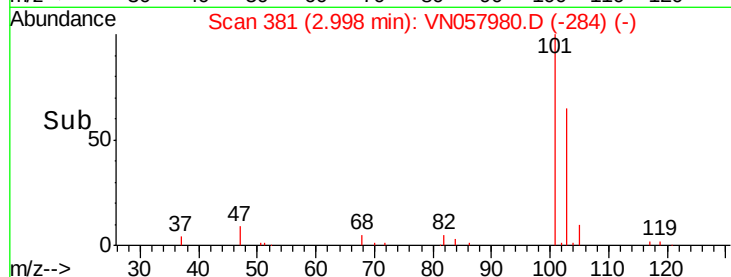
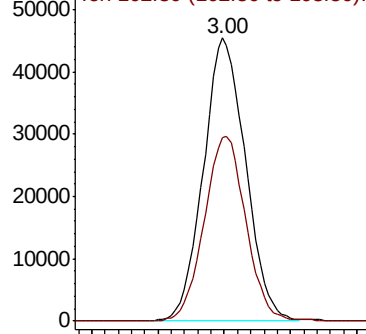
Trichlorofluoromethane
Concen: 17.790 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.01 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Instrument :
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VN0913WBSD02

Tgt Ion:101 Resp: 100694
Ion Ratio Lower Upper
101 100
103 64.9 51.9 77.9



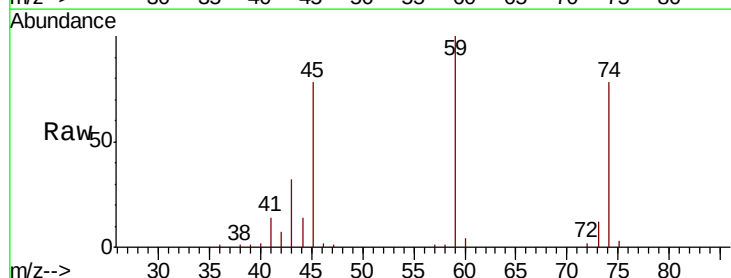
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



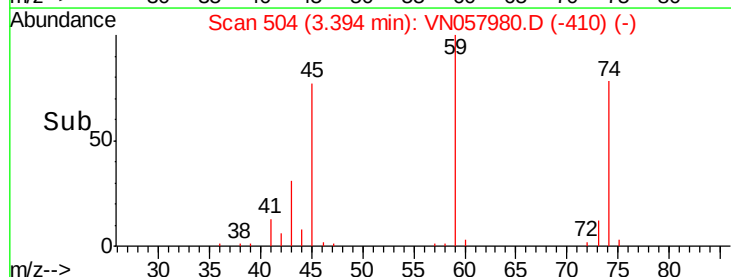
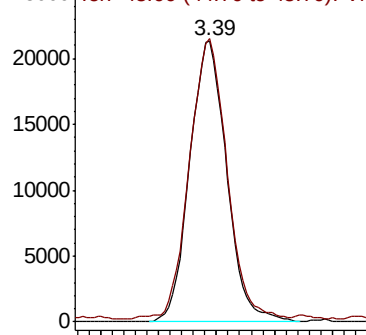
#8

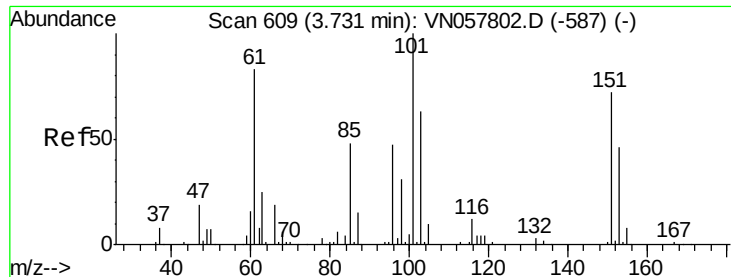
Diethyl Ether
Concen: 19.964 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion: 74 Resp: 47131
Ion Ratio Lower Upper
74 100
45 101.0 50.3 151.0



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

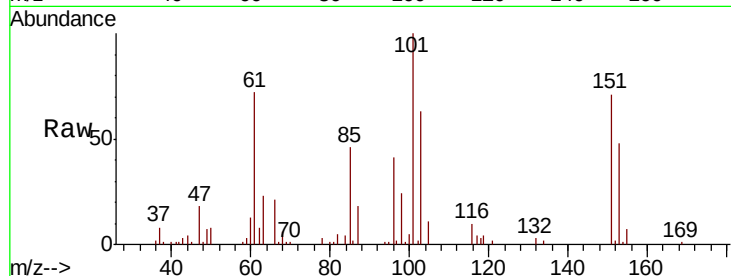




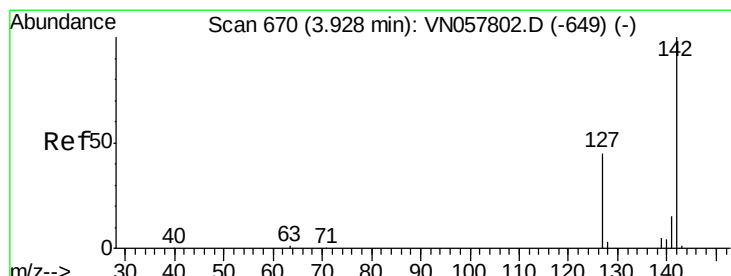
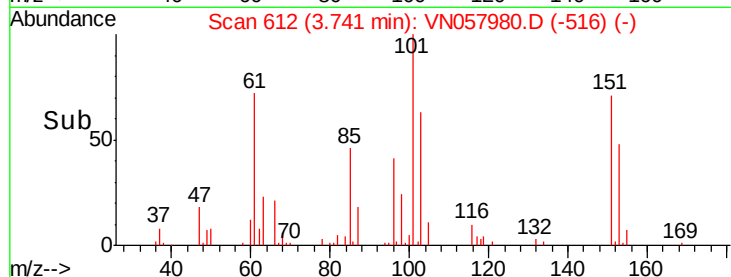
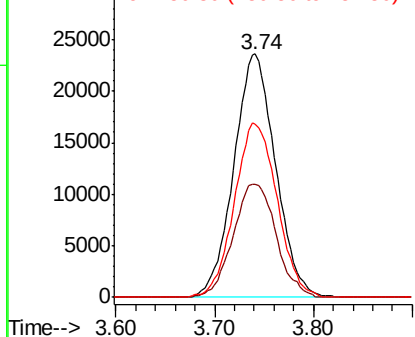
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.385 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VN057980.D
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Tgt Ion:101 Resp: 69219
 Ion Ratio Lower Upper
 101 100
 85 47.9 38.1 57.1
 151 73.4 58.4 87.6

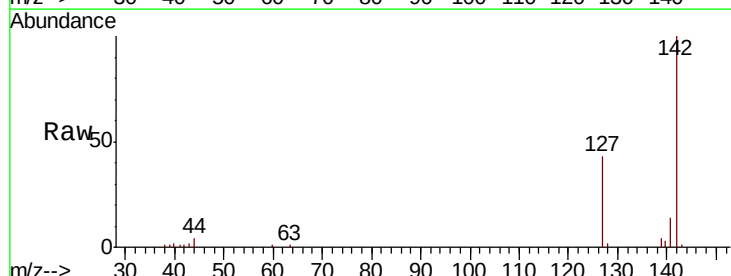


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

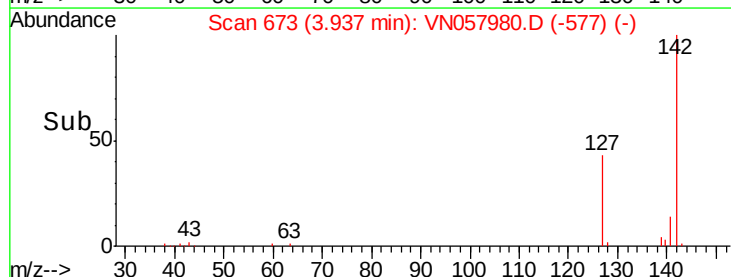
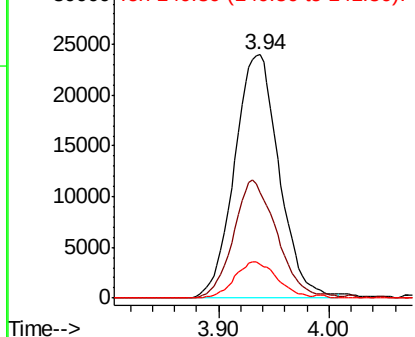


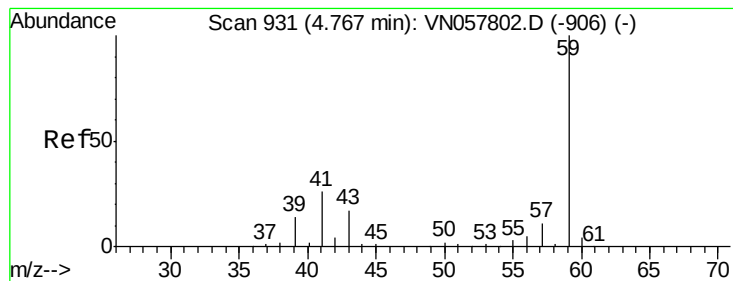
#10
 Methyl Iodide
 Concen: 16.905 ug/l
 RT: 3.94 min Scan# 673
 Delta R.T. 0.01 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Tgt Ion:142 Resp: 67171
 Ion Ratio Lower Upper
 142 100
 127 47.3 36.7 55.1
 141 14.2 11.4 17.0



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





#11

Tert butyl alcohol

Concen: 94.795 ug/l

RT: 4.76 min Scan# 930

Delta R.T. -0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

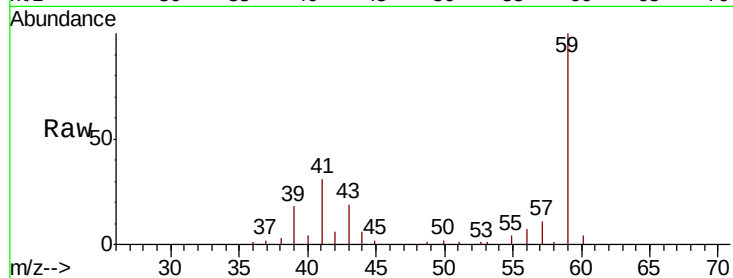
VN0913WBSD02

Tgt Ion: 59 Resp: 70063

Ion Ratio Lower Upper

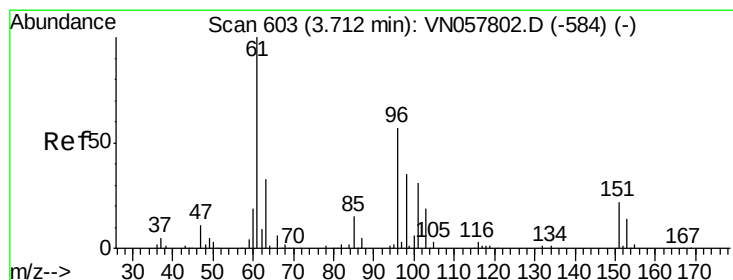
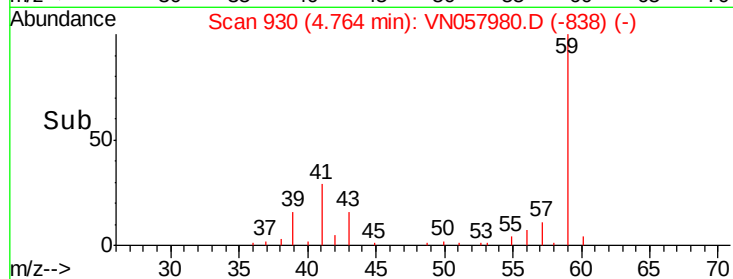
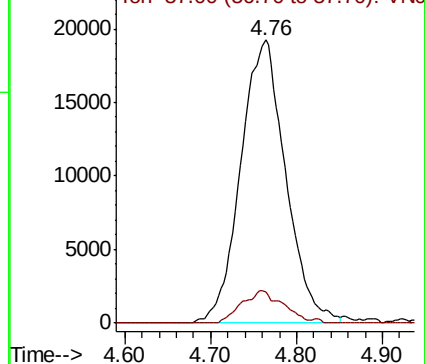
59 100

57 10.5 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: 18.734 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.01 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

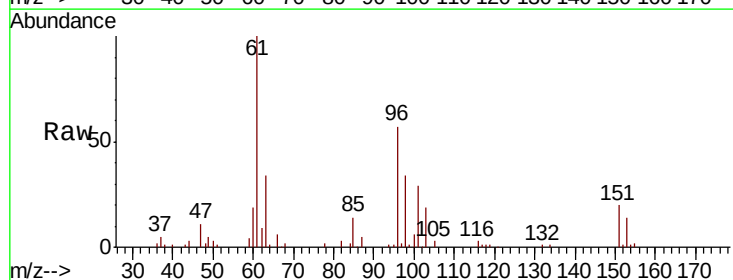
Tgt Ion: 96 Resp: 60145

Ion Ratio Lower Upper

96 100

61 174.0 141.2 211.8

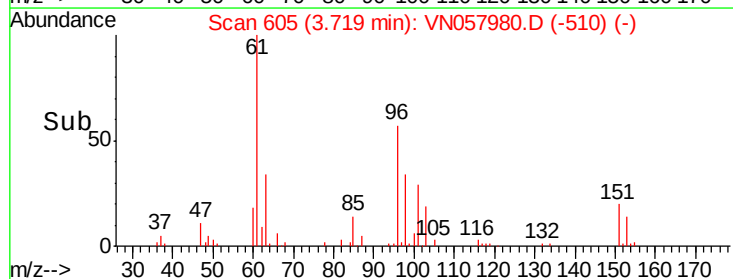
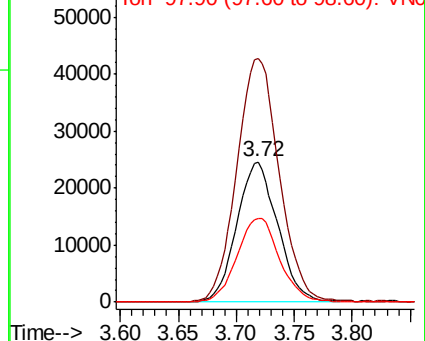
98 59.6 49.9 74.9

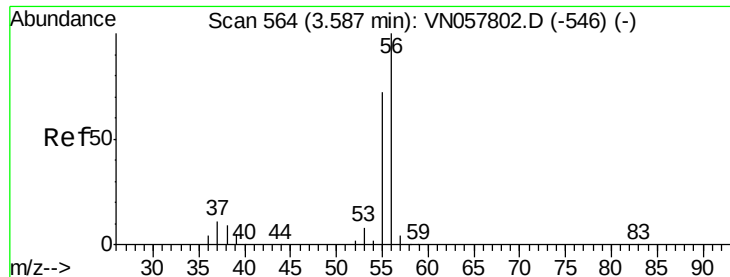


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 9.097 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.01 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

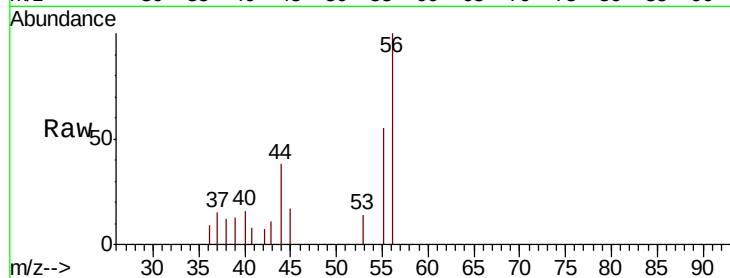
VN0913WBSD02

Tgt Ion: 56 Resp: 5704

Ion Ratio Lower Upper

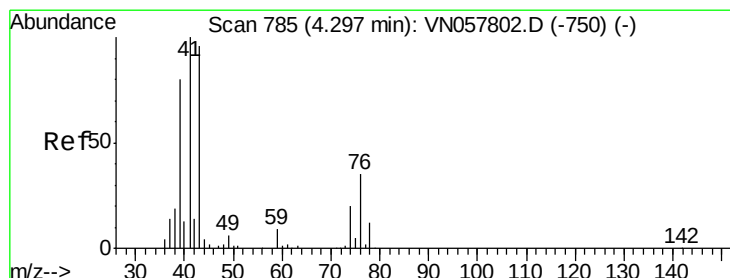
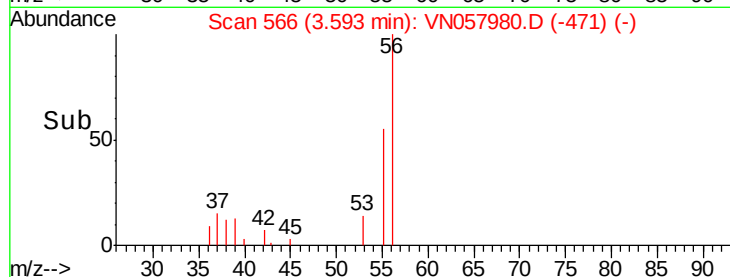
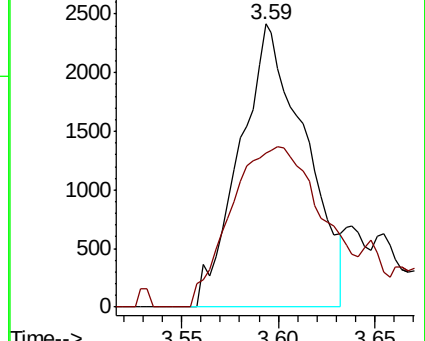
56 100

55 79.6 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: 18.268 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.01 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

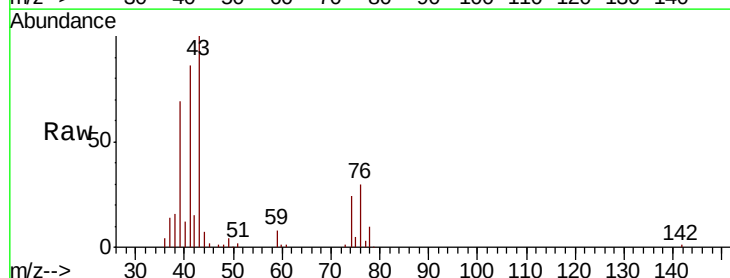
Tgt Ion: 41 Resp: 114773

Ion Ratio Lower Upper

41 100

39 72.7 59.4 89.2

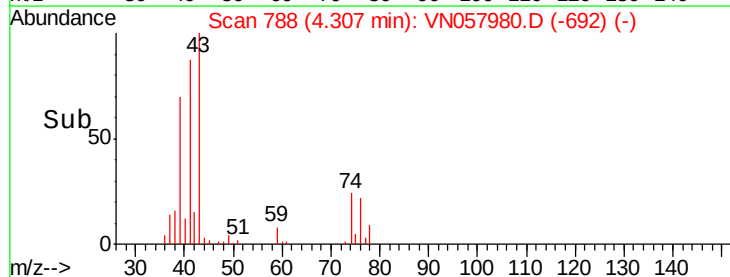
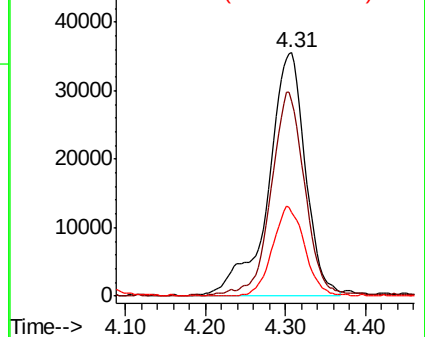
76 32.1 26.0 39.0

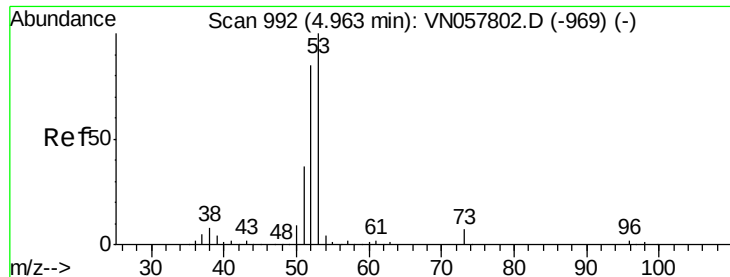


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 106.508 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

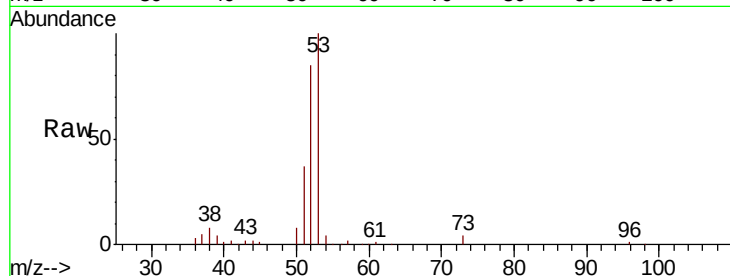
Tgt Ion: 53 Resp: 216371

Ion Ratio Lower Upper

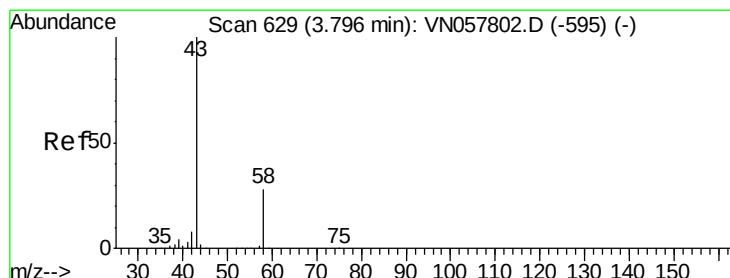
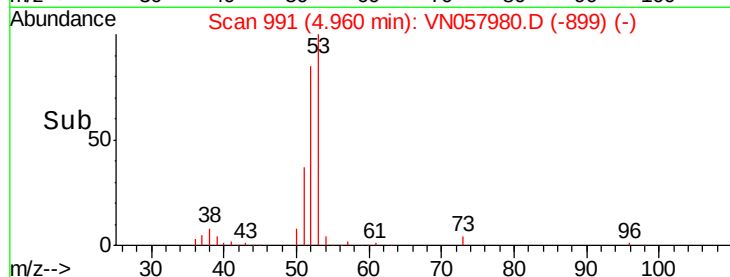
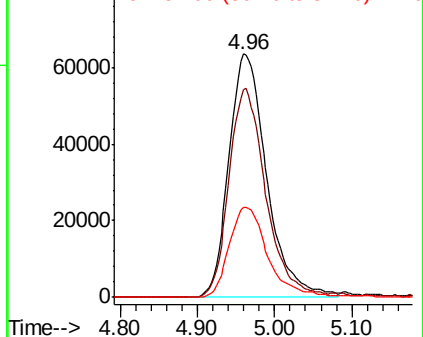
53 100

52 83.3 66.6 100.0

51 37.8 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: 91.113 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN057980.D

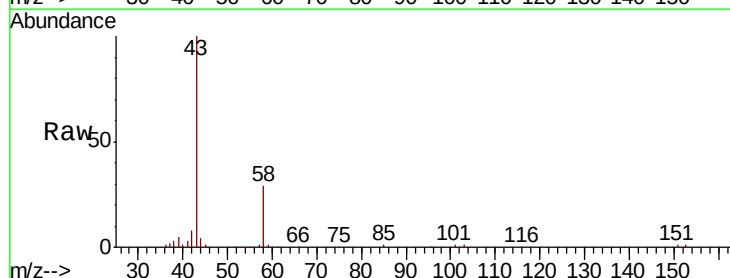
Acq: 12 Sep 2019 19:43

Tgt Ion: 43 Resp: 182396

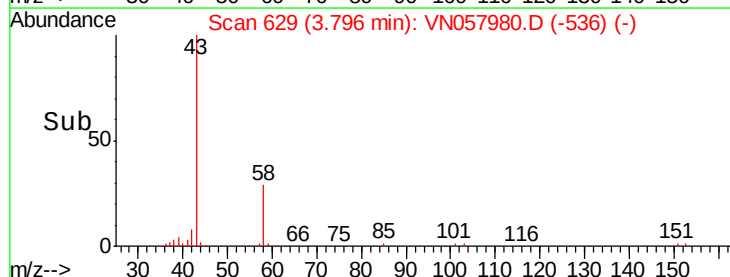
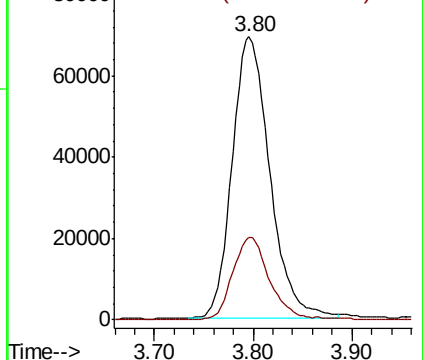
Ion Ratio Lower Upper

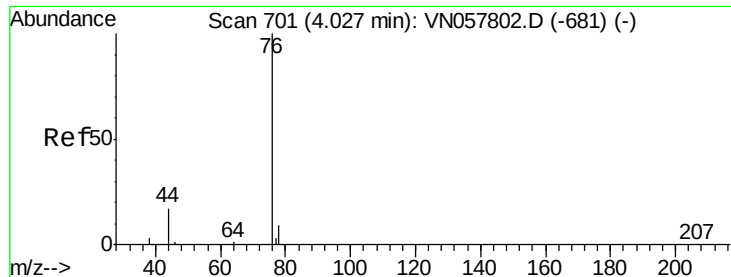
43 100

58 29.2 22.2 33.2



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





#17

Carbon Disulfide

Concen: 16.610 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

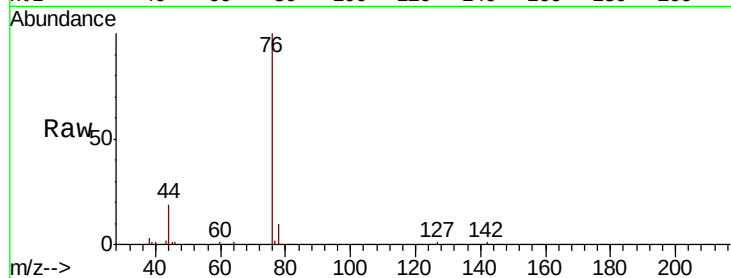
VN0913WBSD02

Tgt Ion: 76 Resp: 82466

Ion Ratio Lower Upper

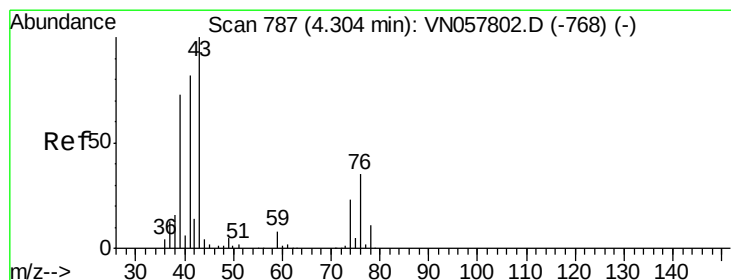
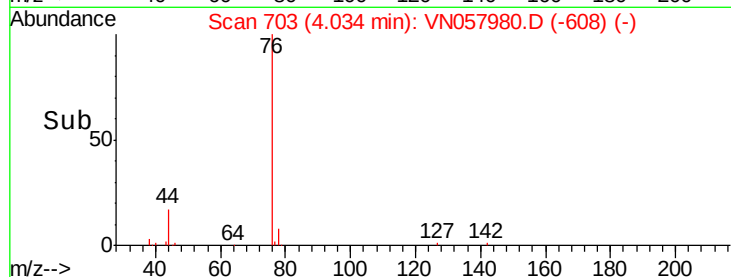
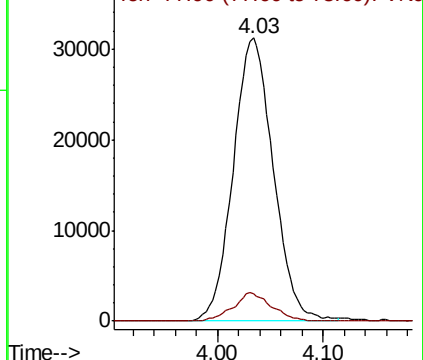
76 100

78 9.7 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: 22.540 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN057980.D

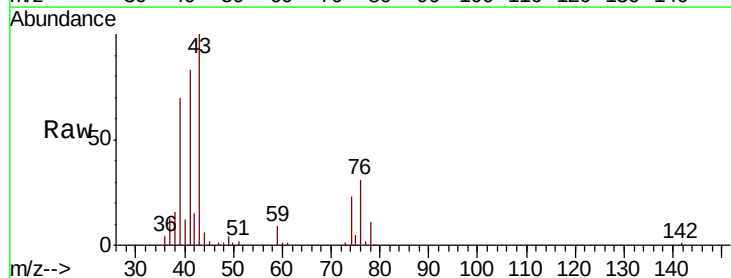
Acq: 12 Sep 2019 19:43

Tgt Ion: 43 Resp: 120308

Ion Ratio Lower Upper

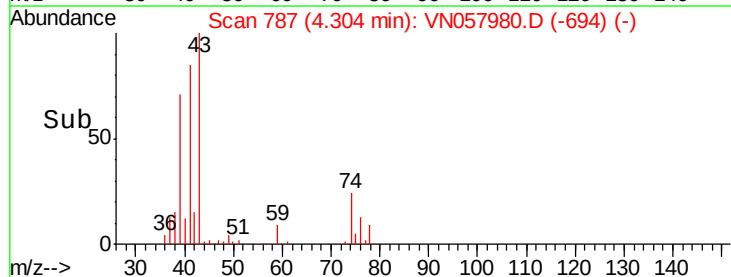
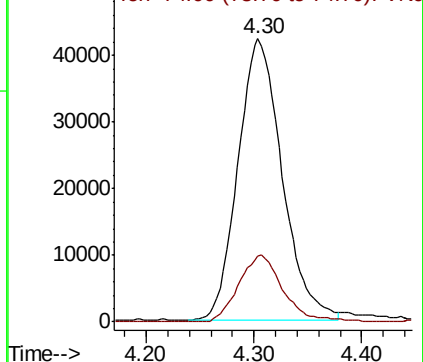
43 100

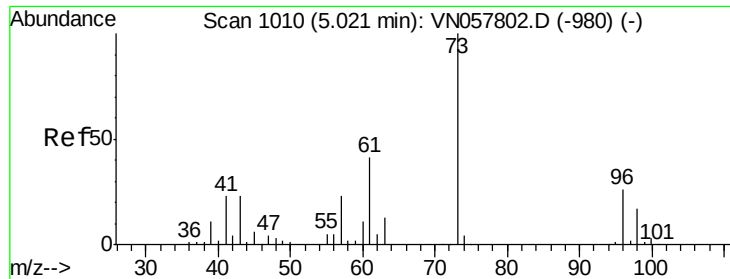
74 23.8 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

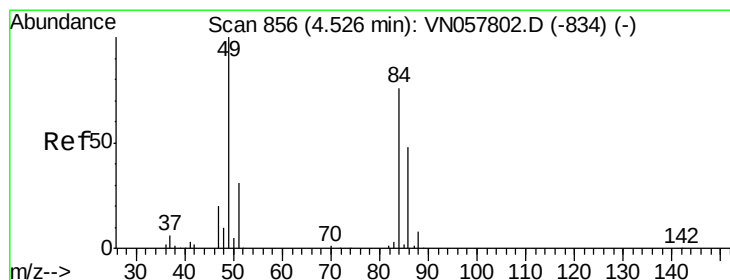
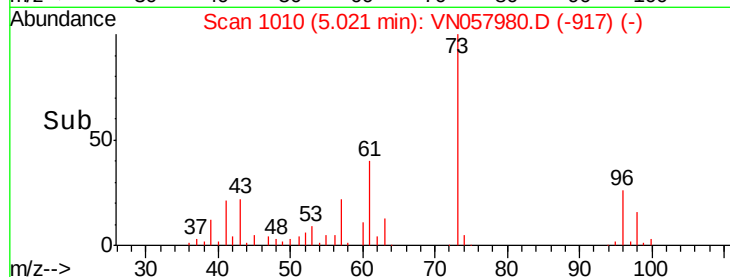
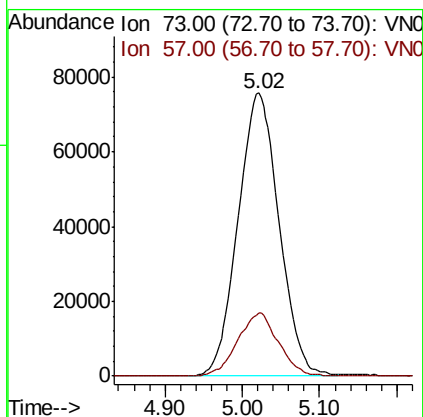
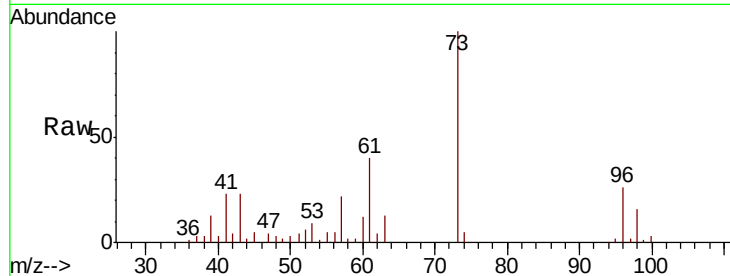




#19
Methyl tert-butyl Ether
Concen: 20.922 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

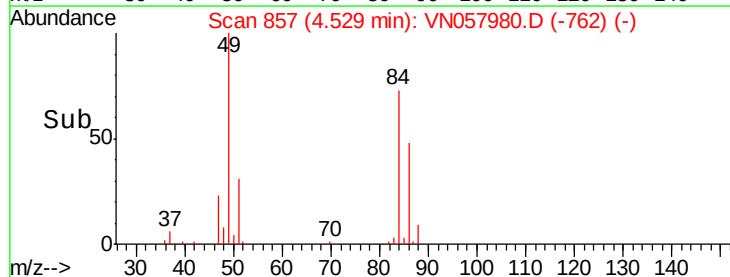
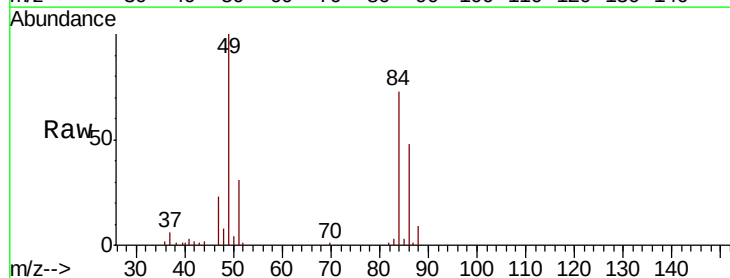
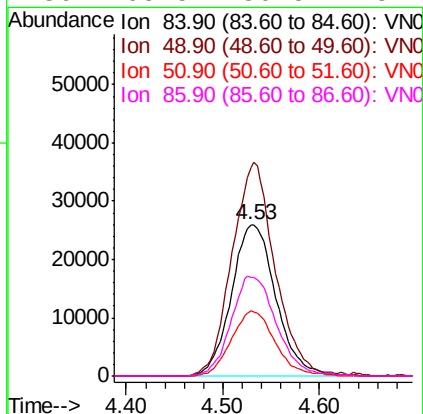
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

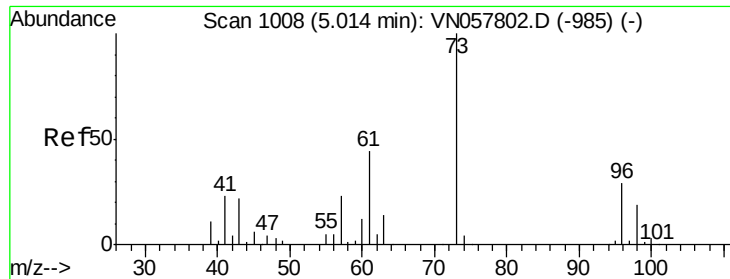
Tgt Ion: 73 Resp: 279529
Ion Ratio Lower Upper
73 100
57 22.3 18.2 27.2



#20
Methylene Chloride
Concen: 20.899 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion: 84 Resp: 82375
Ion Ratio Lower Upper
84 100
49 137.7 104.8 157.2
51 42.8 33.0 49.4
86 65.5 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 18.912 ug/l

RT: 5.02 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

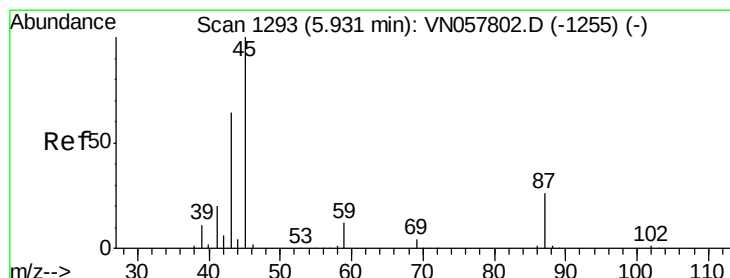
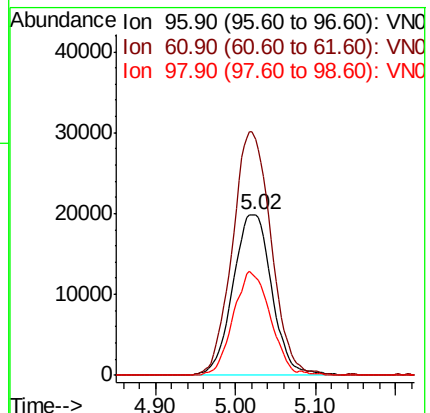
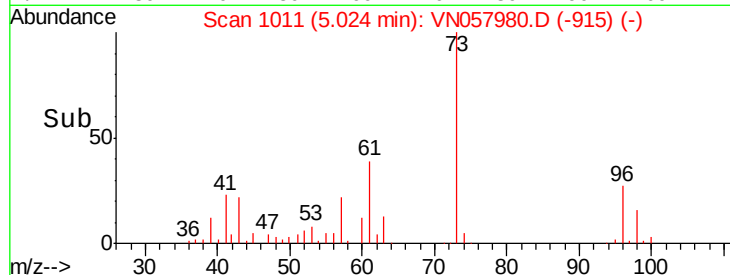
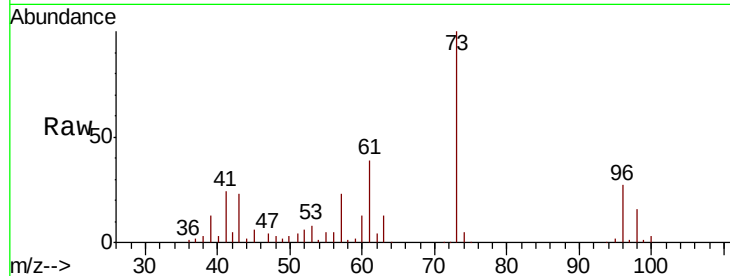
Tgt Ion: 96 Resp: 65636

Ion Ratio Lower Upper

96 100

61 146.9 121.9 182.9

98 60.8 52.2 78.4



#22

Diisopropyl ether

Concen: 20.437 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Tgt Ion: 45 Resp: 301124

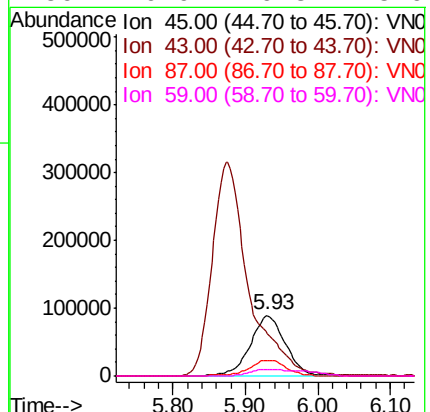
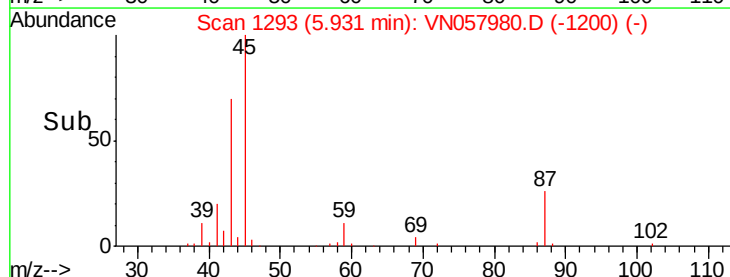
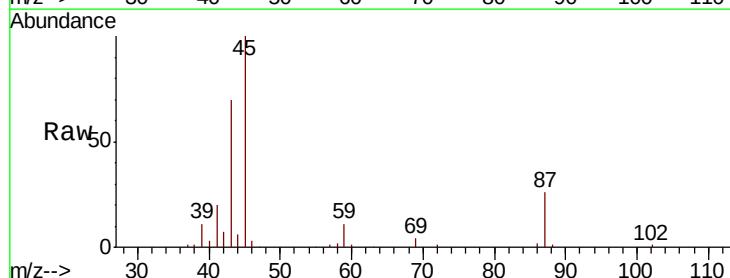
Ion Ratio Lower Upper

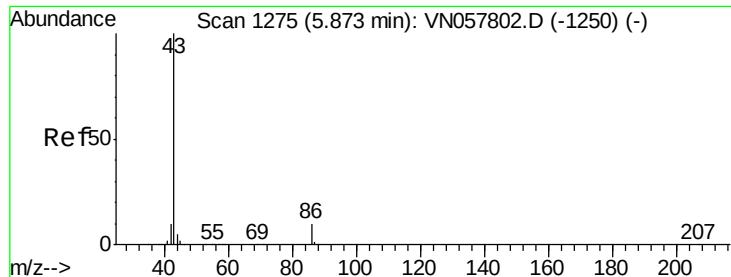
45 100

43 67.7 51.4 77.2

87 25.7 21.3 31.9

59 10.9 9.3 13.9





#23

Vinyl Acetate

Concen: 104.777 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

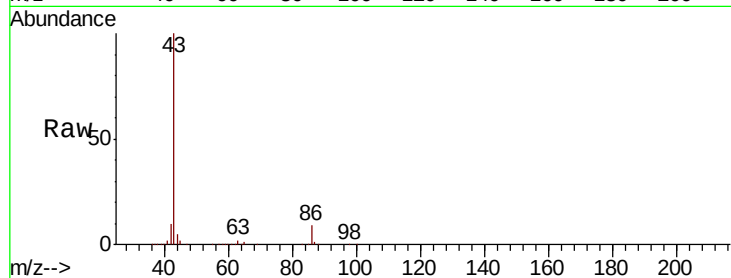
VN0913WBSD02

Tgt Ion: 43 Resp: 1094076

Ion Ratio Lower Upper

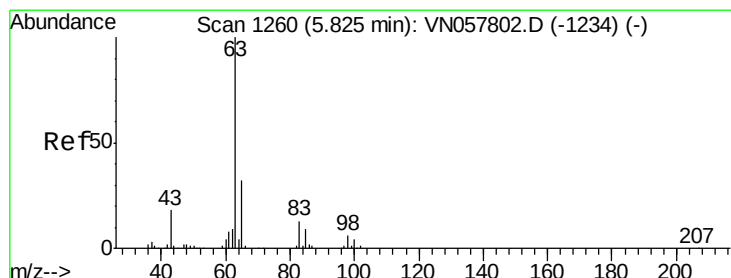
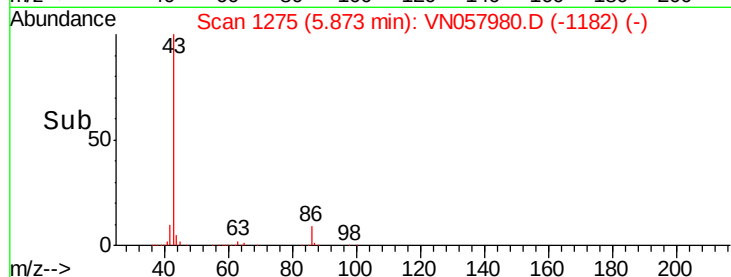
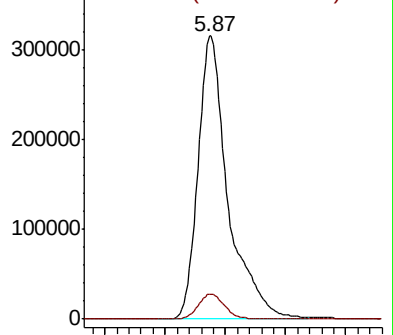
43 100

86 9.0 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.023 ug/l

RT: 5.83 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

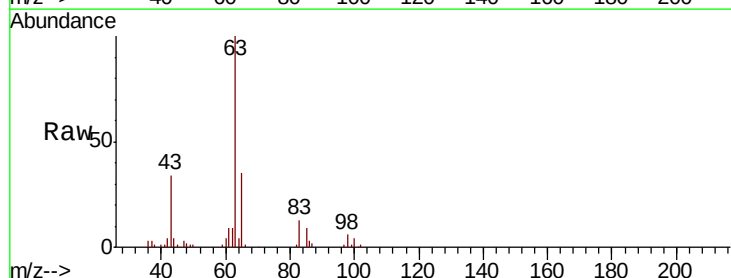
Tgt Ion: 63 Resp: 161237

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

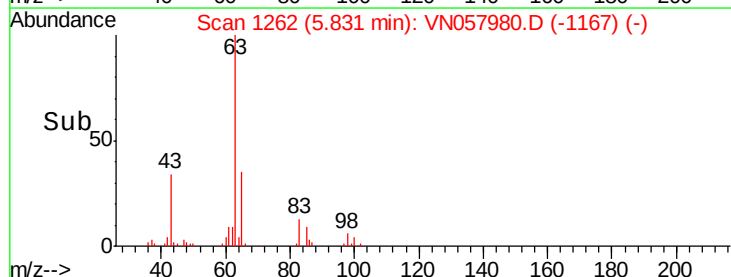
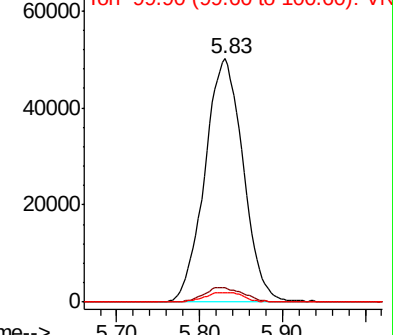
100 3.9 2.0 5.8

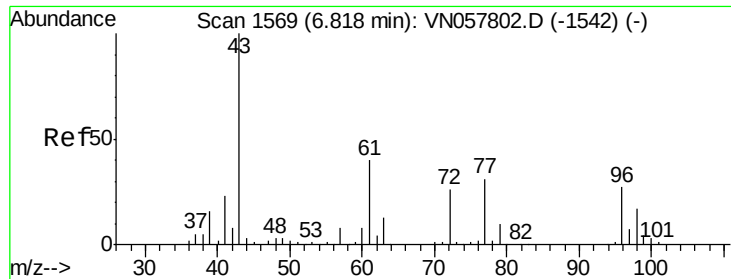


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

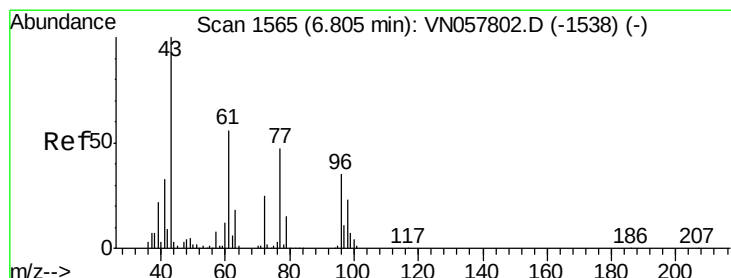
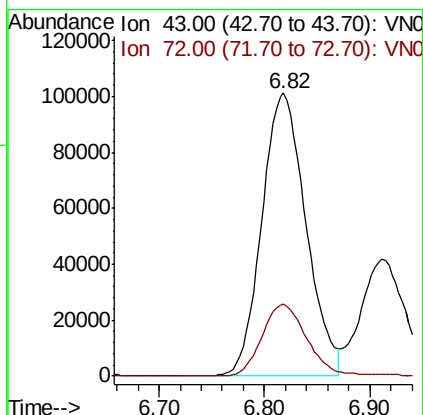
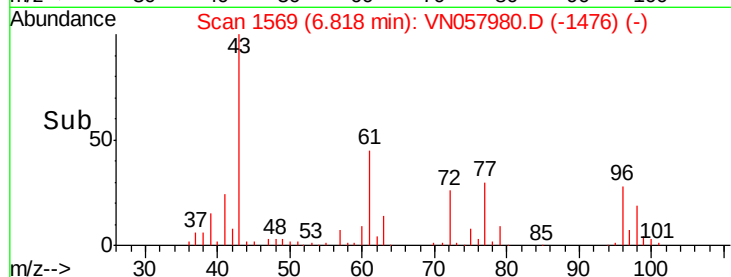
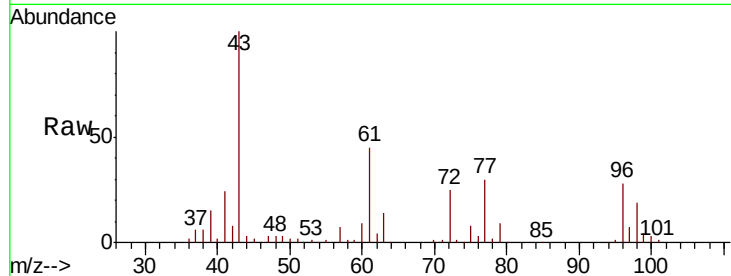




#25
2-Butanone
Concen: 100.914 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

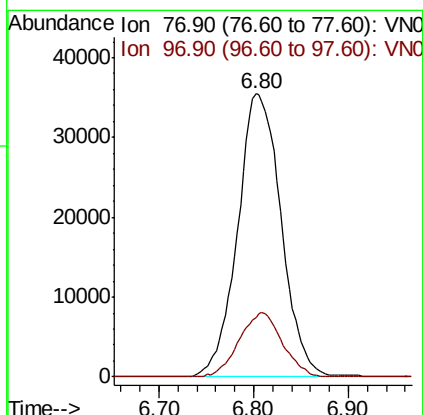
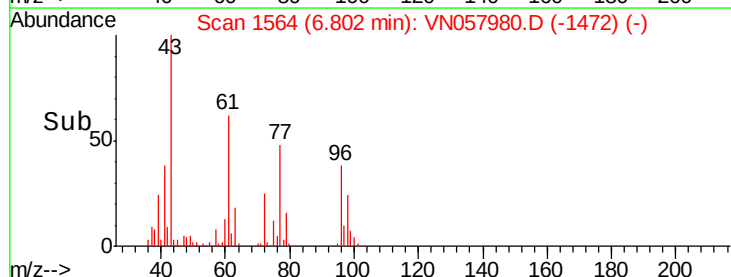
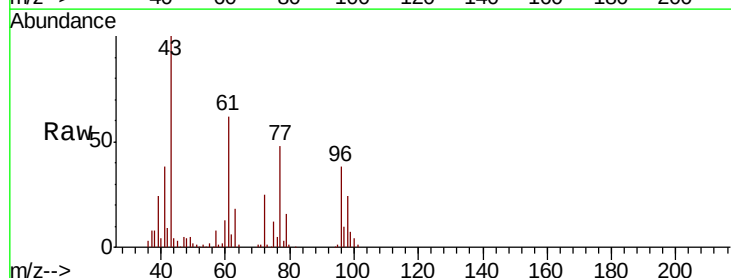
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

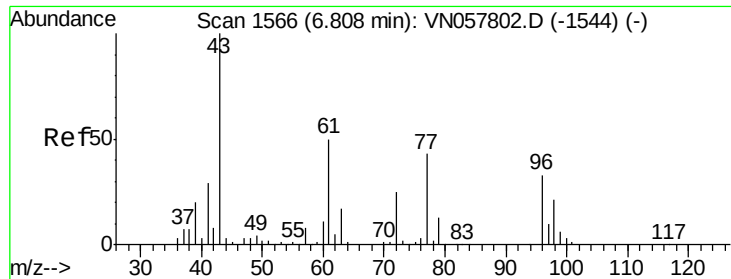
Tgt Ion: 43 Resp: 292390
Ion Ratio Lower Upper
43 100
72 25.5 20.6 30.8



#26
2,2-Dichloropropane
Concen: 17.739 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion: 77 Resp: 113043
Ion Ratio Lower Upper
77 100
97 22.4 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 19.542 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

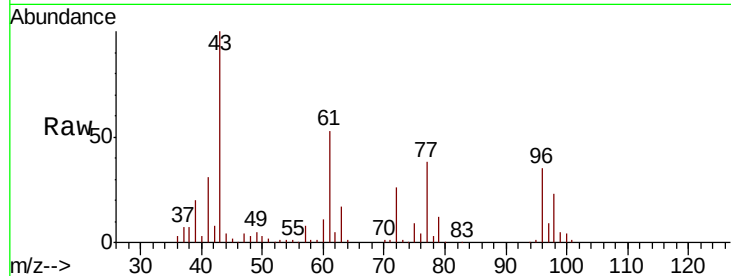
Tgt Ion: 96 Resp: 90890

Ion Ratio Lower Upper

96 100

61 158.4 0.0 314.0

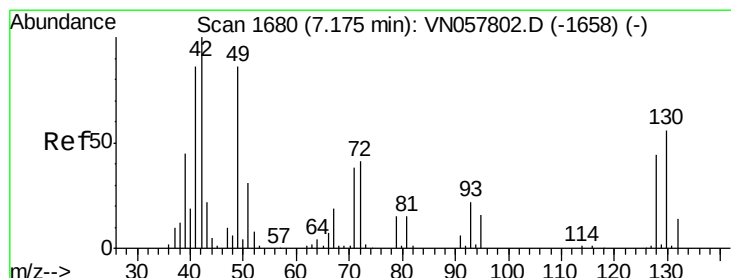
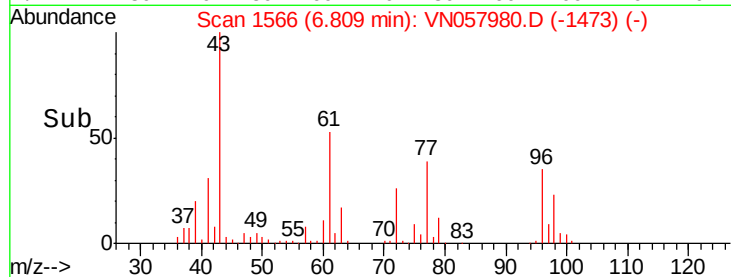
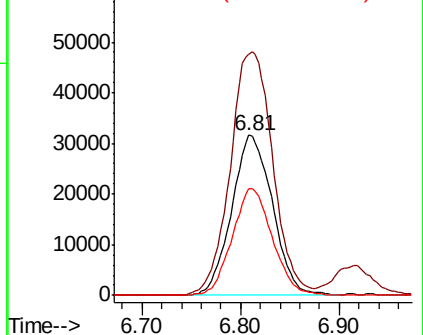
98 65.5 0.0 128.6



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: 20.739 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.01 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

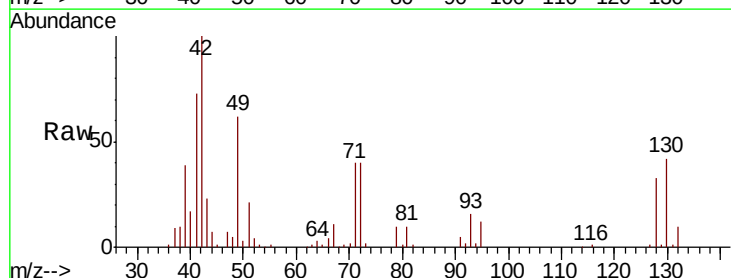
Tgt Ion: 49 Resp: 83430

Ion Ratio Lower Upper

49 100

129 1.3 0.0 3.8

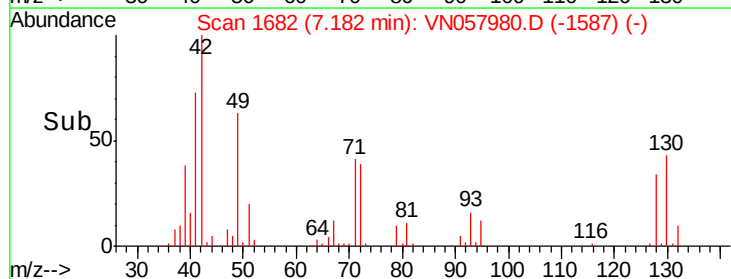
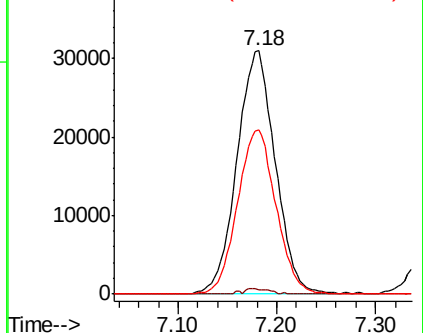
130 67.5 53.0 79.6

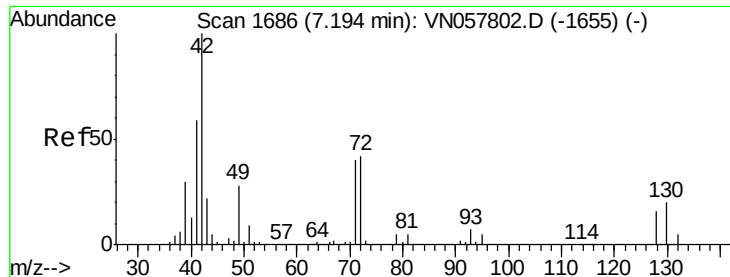


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 105.752 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

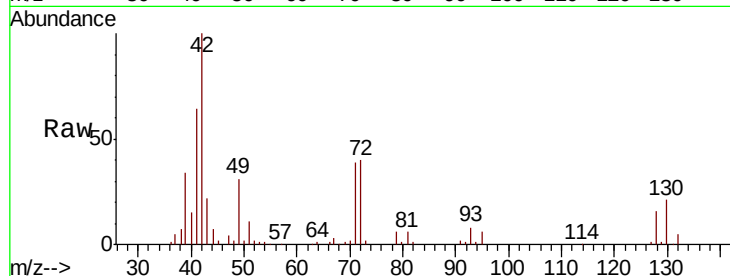
Tgt Ion: 42 Resp: 188809

Ion Ratio Lower Upper

42 100

72 41.5 33.7 50.5

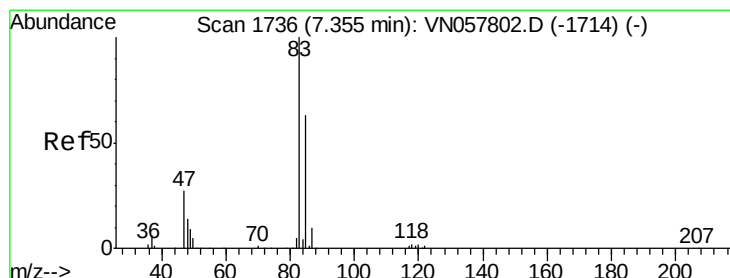
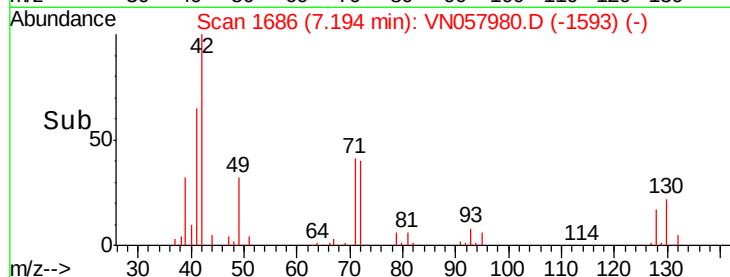
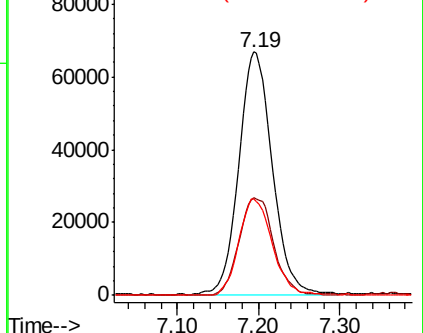
71 39.7 31.9 47.9



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: 20.539 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN057980.D

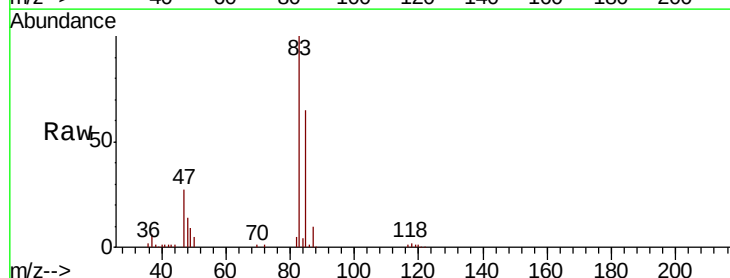
Acq: 12 Sep 2019 19:43

Tgt Ion: 83 Resp: 172930

Ion Ratio Lower Upper

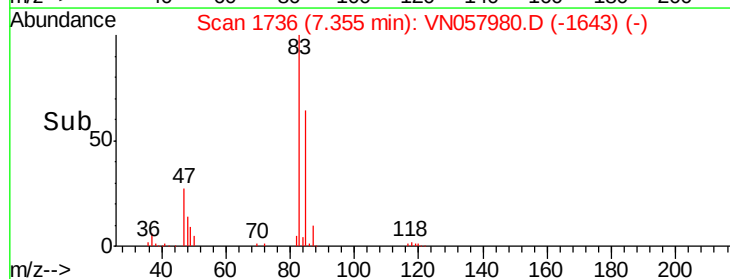
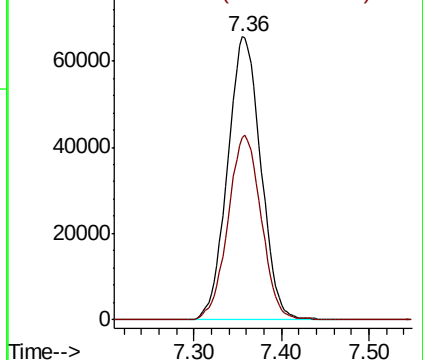
83 100

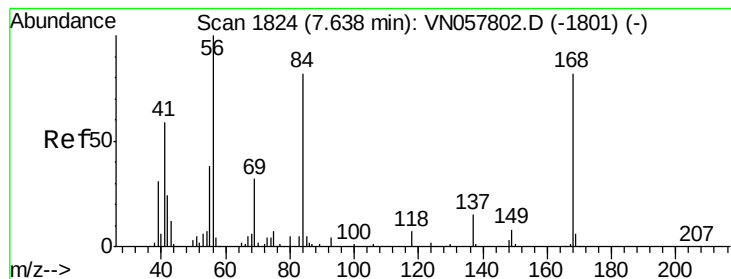
85 64.6 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.968 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :
MSVOA_N
ClientSampled :
VN0913WBSD02

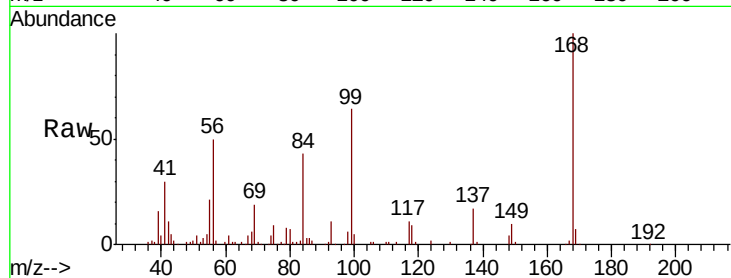
Tgt Ion: 56 Resp: 111701

Ion Ratio Lower Upper

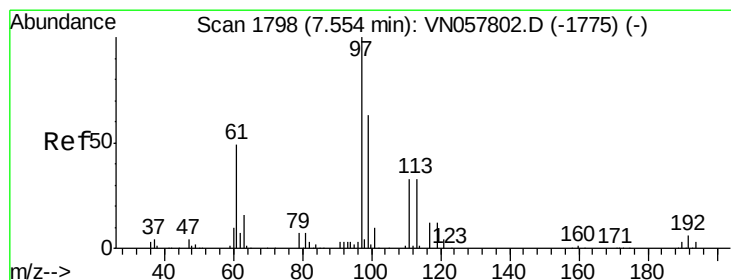
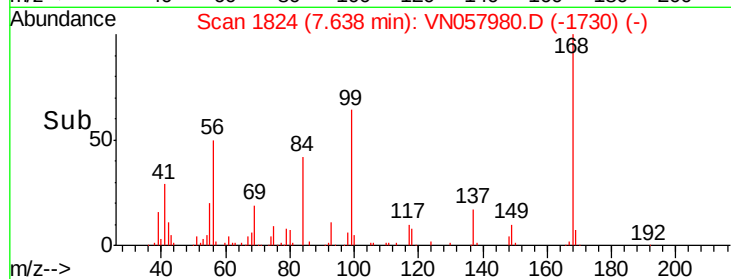
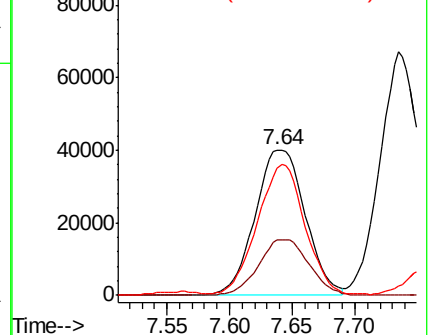
56 100

69 38.2 25.9 38.9

84 85.8 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: 20.026 ug/l

RT: 7.56 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

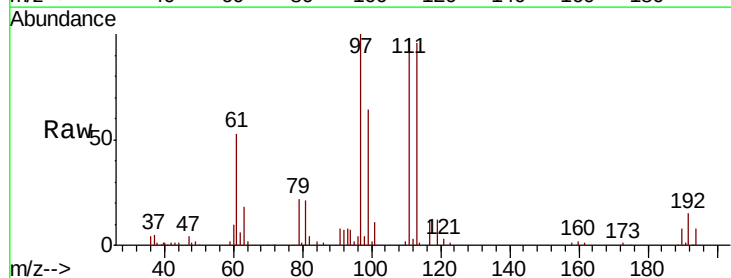
Tgt Ion: 97 Resp: 133726

Ion Ratio Lower Upper

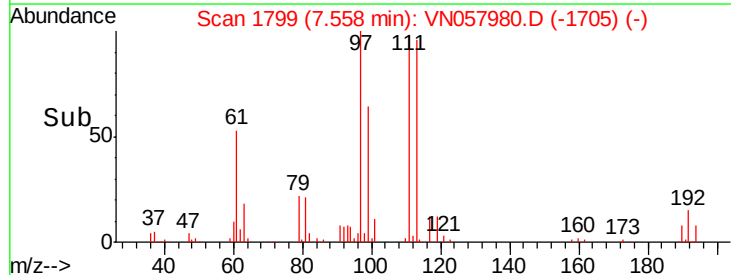
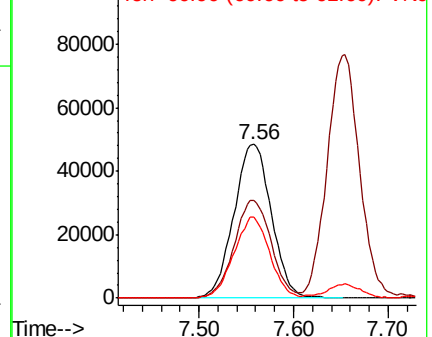
97 100

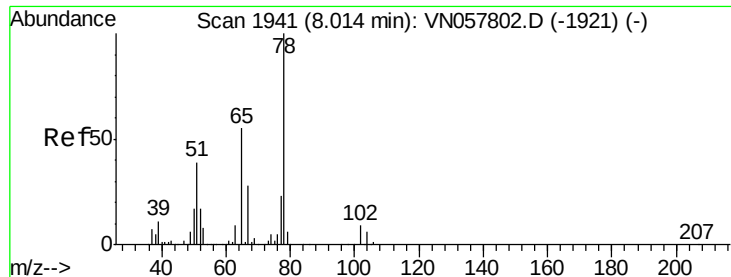
99 62.6 51.0 76.4

61 50.4 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

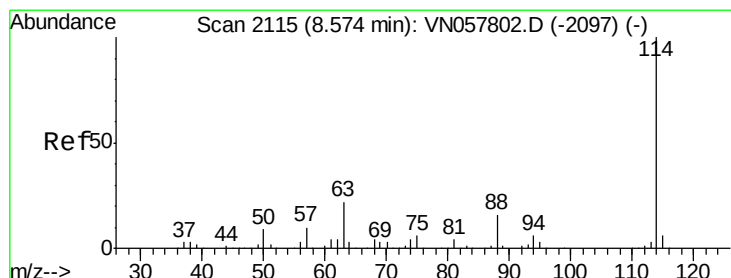
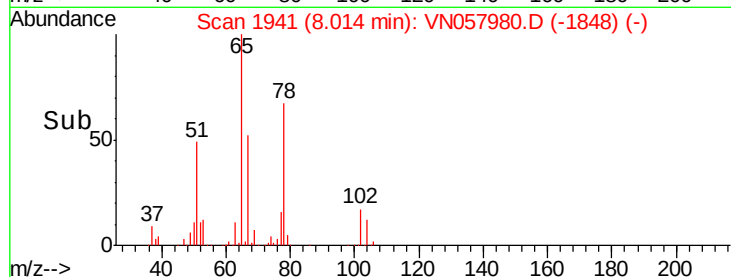
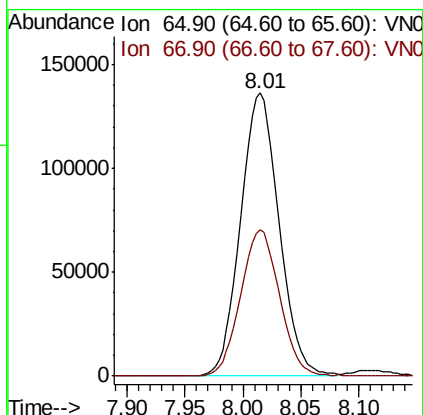
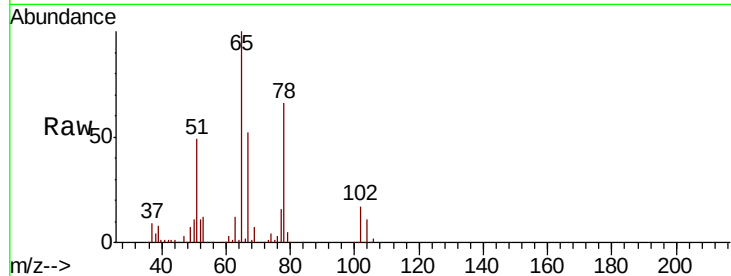




#33
 1,2-Dichloroethane-d4
 Concen: 51.679 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

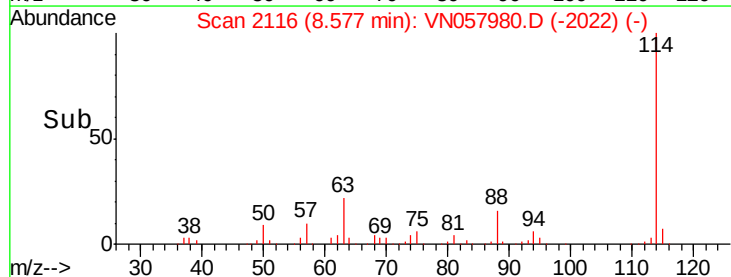
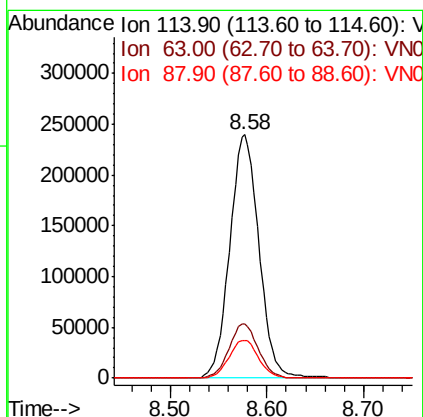
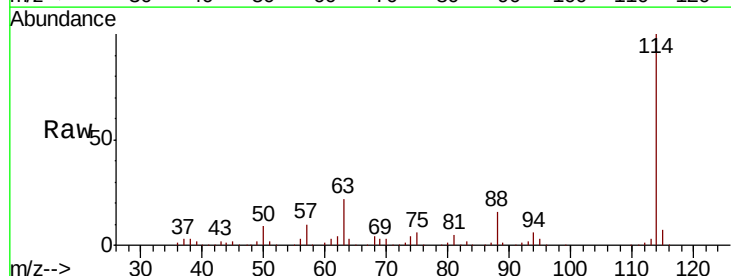
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

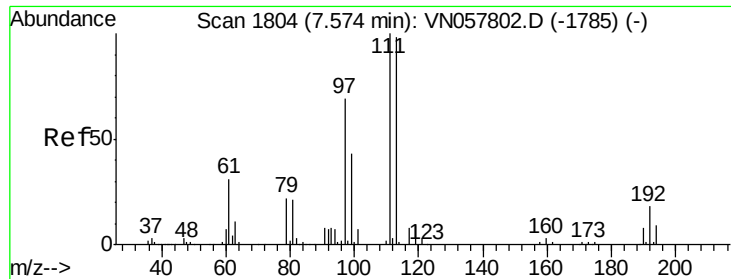
Tgt Ion: 65 Resp: 315586
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Tgt Ion: 114 Resp: 501583
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 44.0
 88 15.7 0.0 31.4

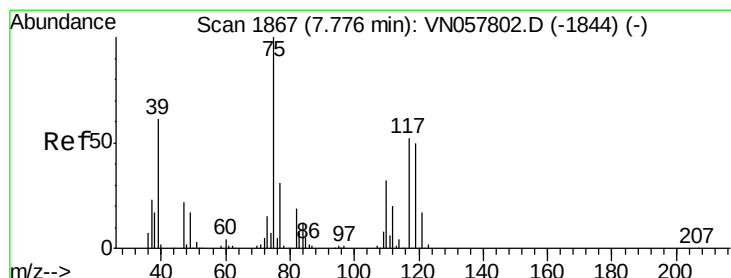
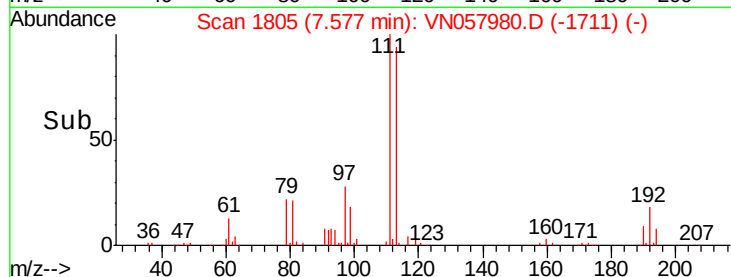
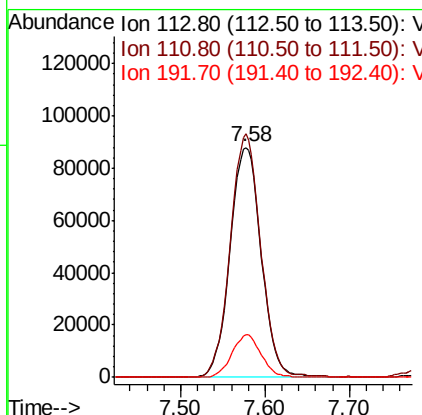
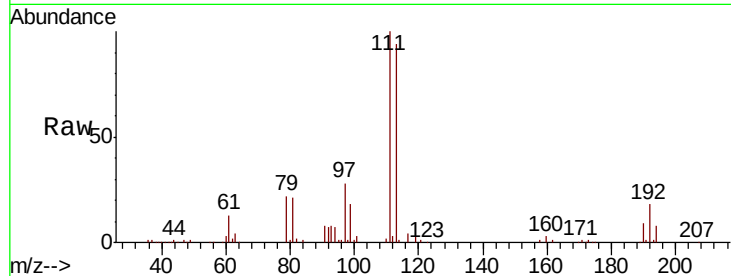




#35
 Dibromofluoromethane
 Concen: 49.021 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

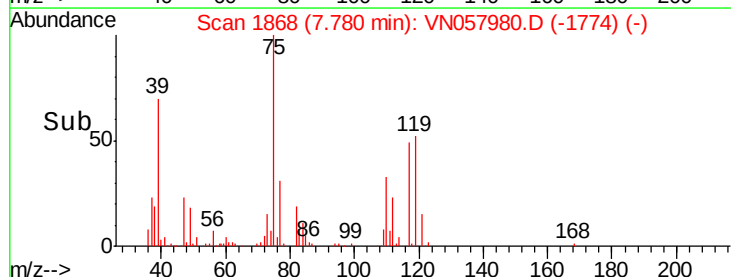
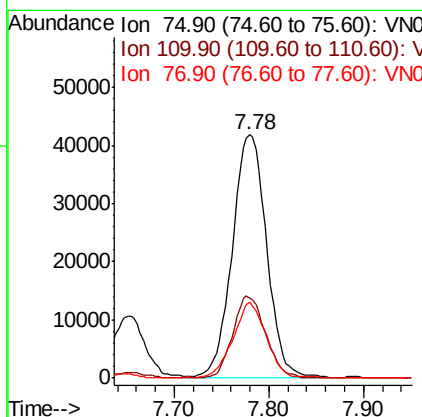
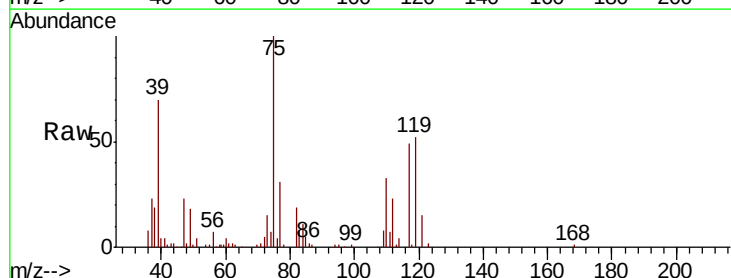
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

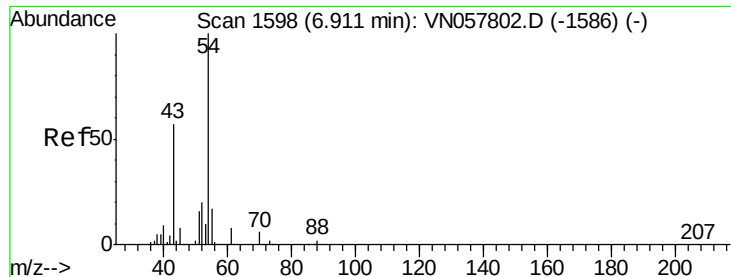
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.3	121.9
192	17.4	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 18.213 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.8	16.3	48.9
77	30.0	25.0	37.4

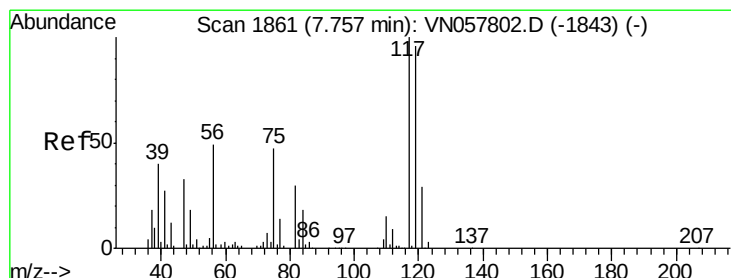
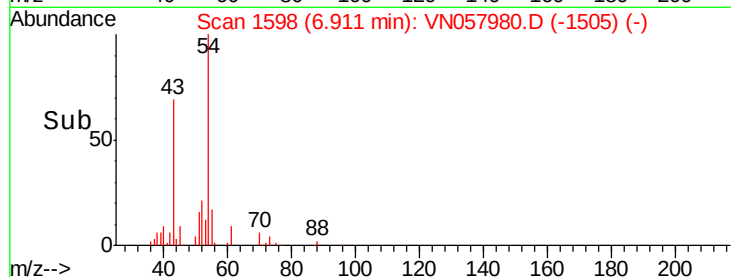
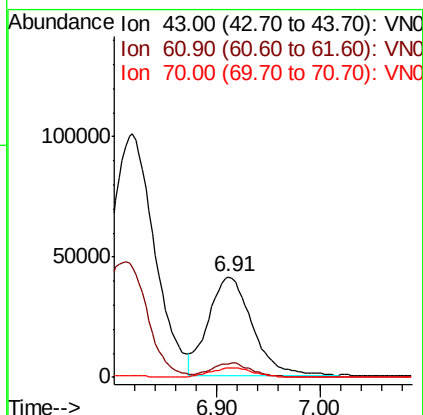
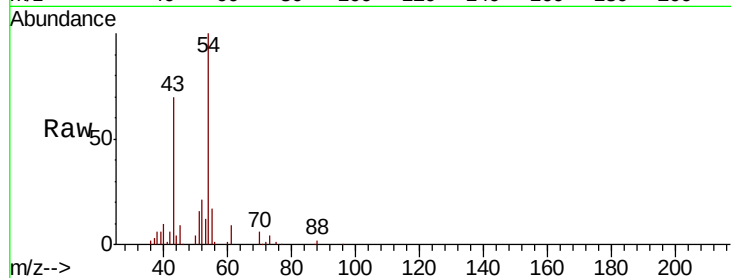




#37
Ethyl Acetate
Concen: 20.178 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

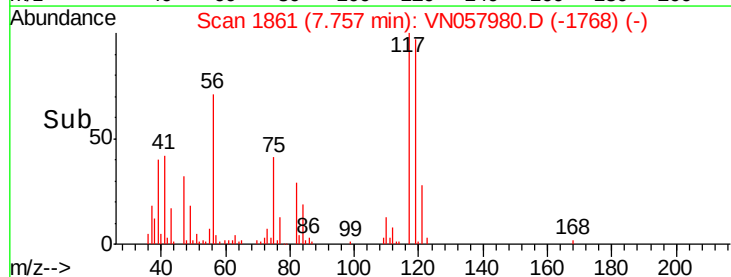
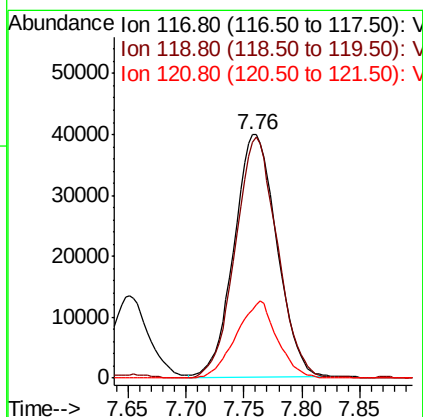
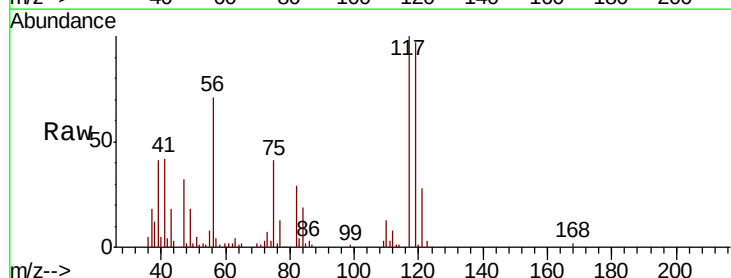
Instrument :
MSVOA_N
ClientSampled :
VN0913WBSD02

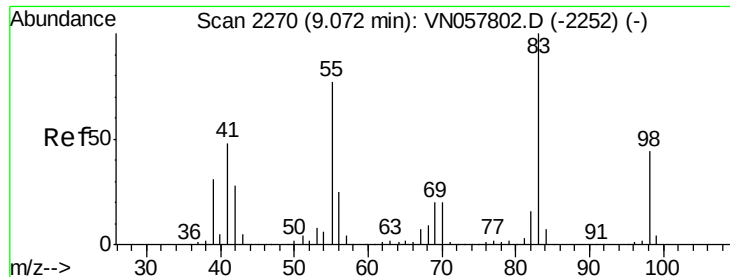
Tgt Ion: 43 Resp: 121272
Ion Ratio Lower Upper
43 100
61 13.2 10.5 15.7
70 9.5 7.4 11.0



#38
Carbon Tetrachloride
Concen: 19.296 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion: 117 Resp: 102480
Ion Ratio Lower Upper
117 100
119 97.5 76.9 115.3
121 28.2 23.4 35.2

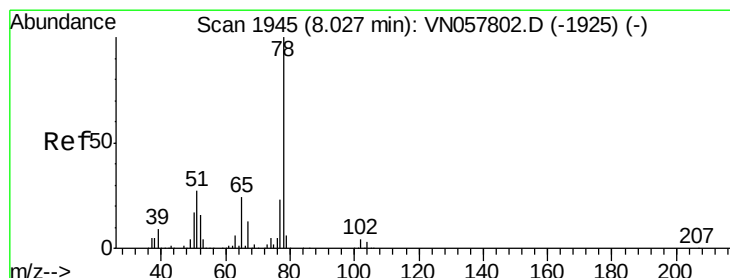
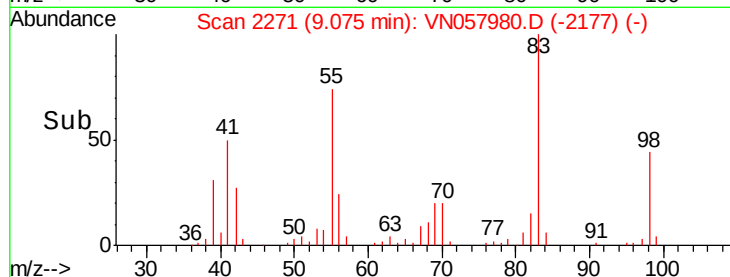
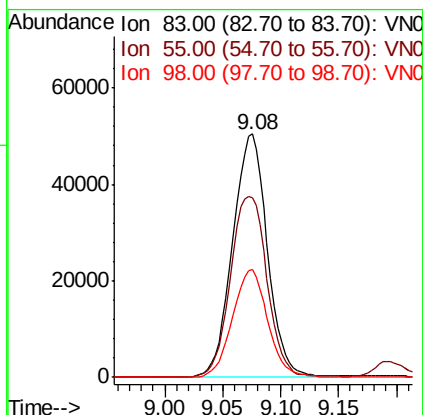
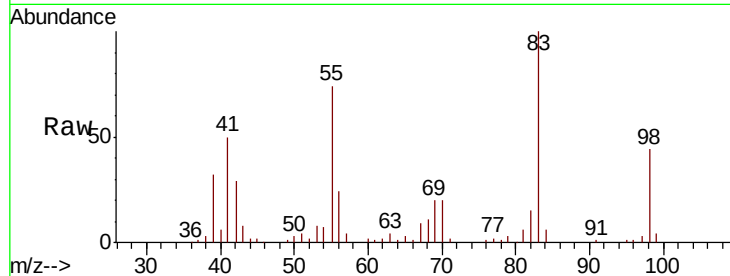




#39
Methylcyclohexane
Concen: 17.173 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

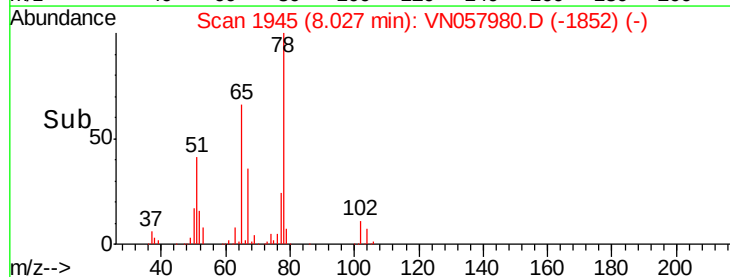
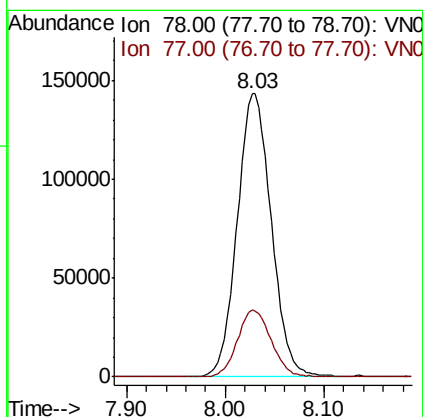
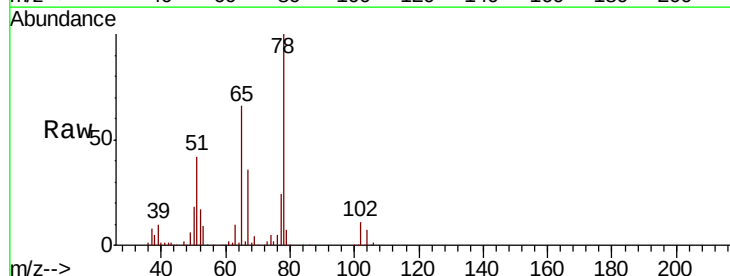
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

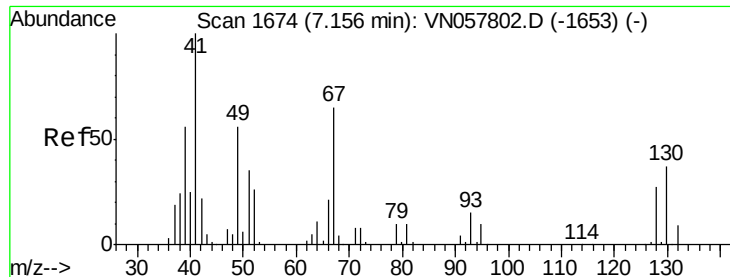
Tgt Ion: 83 Resp: 105011
Ion Ratio Lower Upper
83 100
55 74.0 61.6 92.4
98 44.2 34.9 52.3



#40
Benzene
Concen: 19.564 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion: 78 Resp: 342623
Ion Ratio Lower Upper
78 100
77 23.5 18.3 27.5

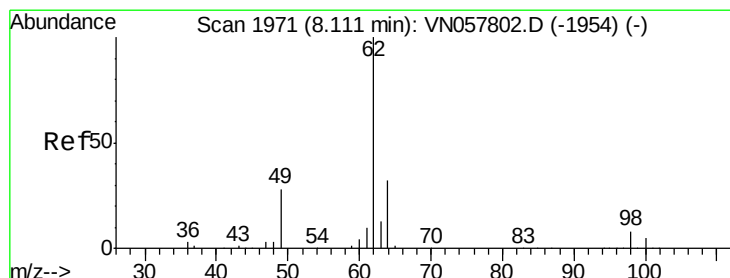
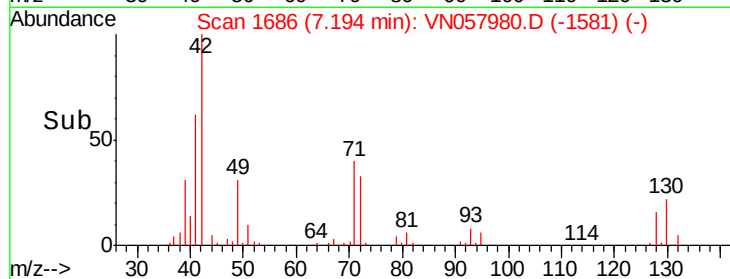
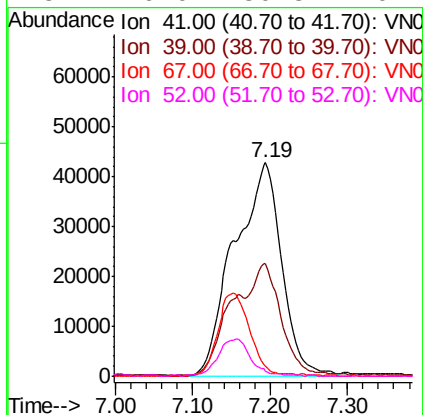
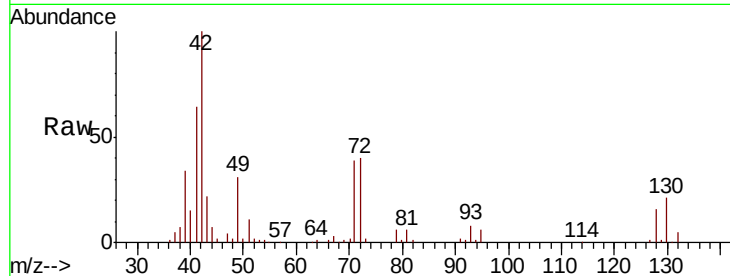




#41
Methacrylonitrile
Concen: 66.989 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.04 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

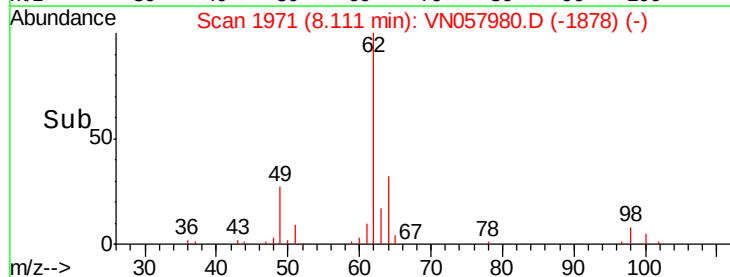
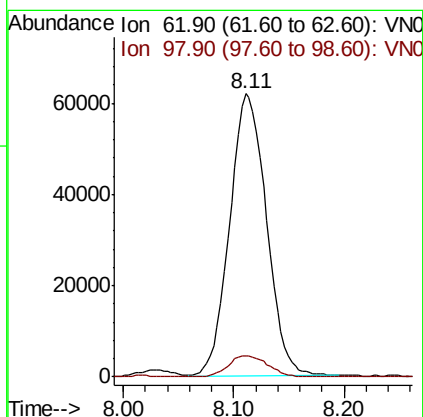
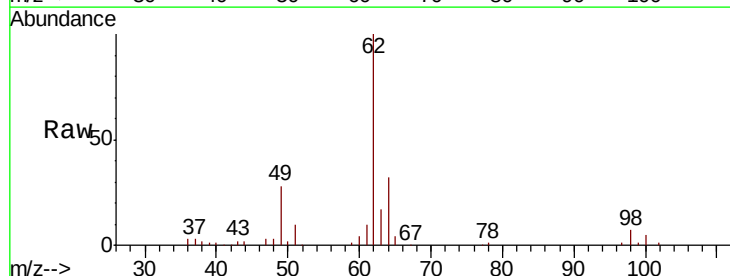
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

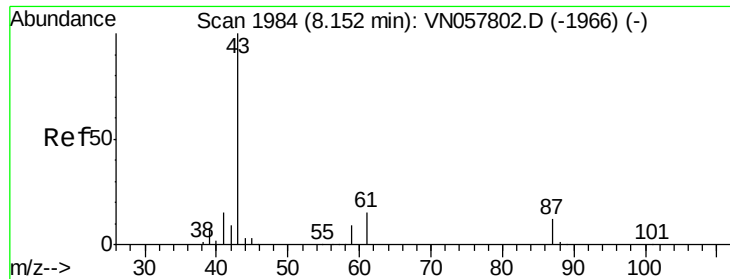
Tgt Ion: 41 Resp: 182757
Ion Ratio Lower Upper
41 100
39 0.0 51.0 76.6#
67 0.0 70.7 106.1#
52 0.0 30.8 46.2#



#42
1,2-Dichloroethane
Concen: 20.425 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion: 62 Resp: 143057
Ion Ratio Lower Upper
62 100
98 7.9 0.0 15.8





#43

Isopropyl Acetate

Concen: 25.819 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

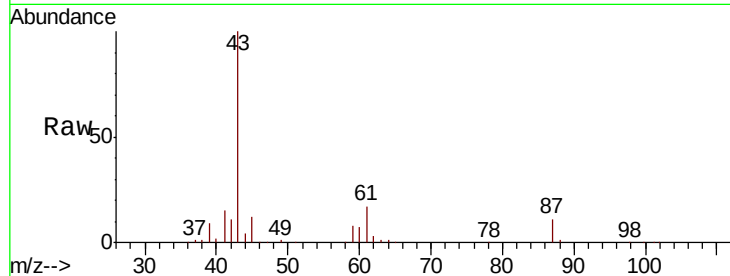
Tgt Ion: 43 Resp: 260949

Ion Ratio Lower Upper

43 100

61 20.4 20.1 30.1

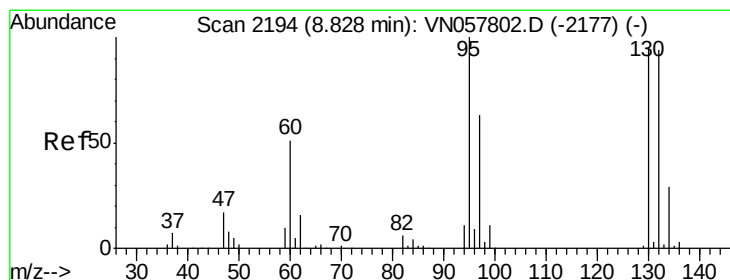
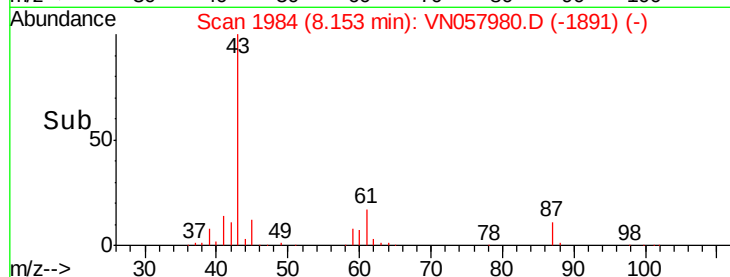
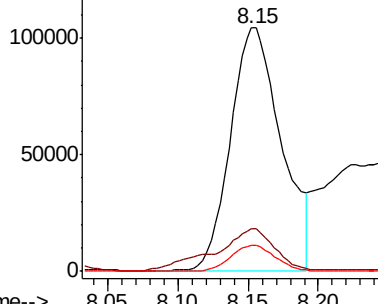
87 9.5 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 18.774 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN057980.D

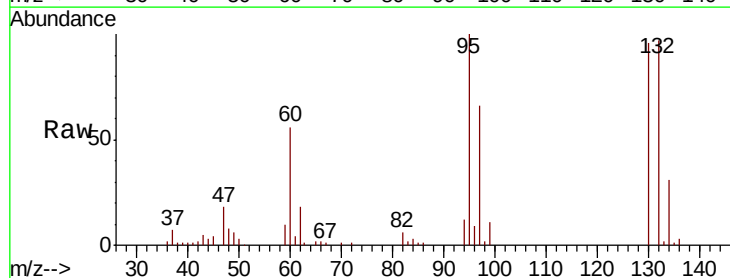
Acq: 12 Sep 2019 19:43

Tgt Ion: 130 Resp: 80644

Ion Ratio Lower Upper

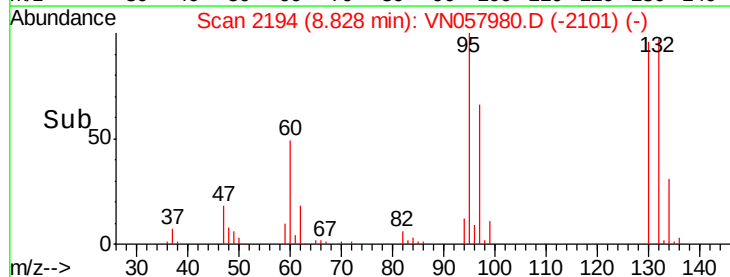
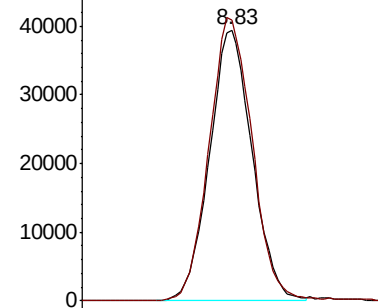
130 100

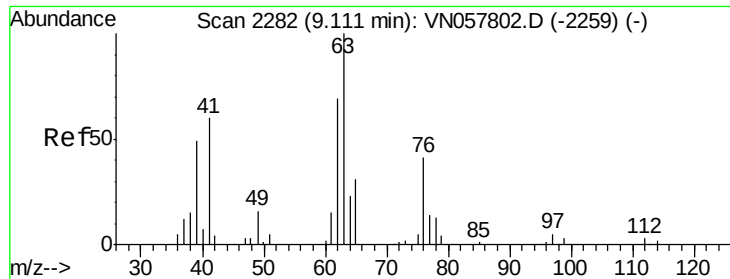
95 103.9 0.0 211.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

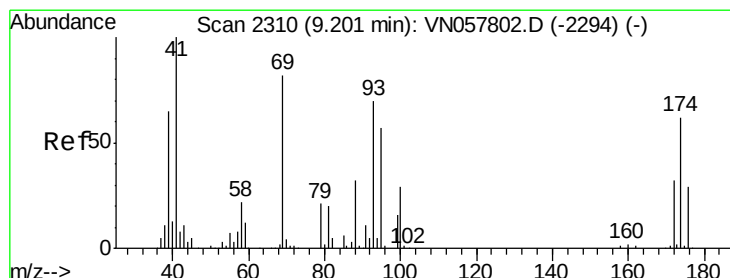
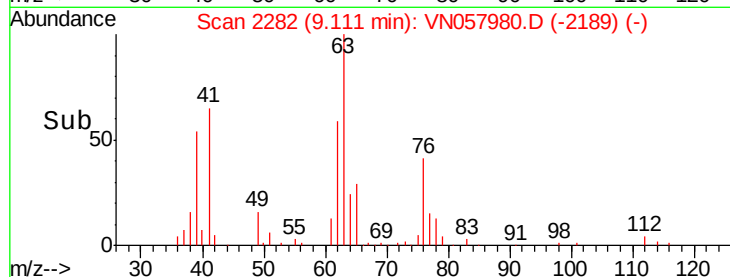
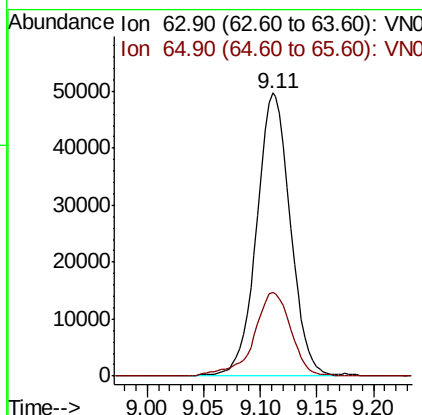
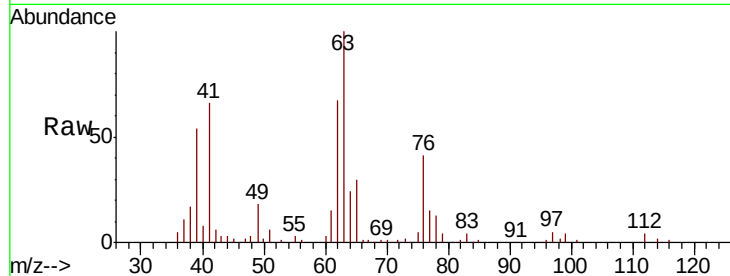




#45
 1,2-Dichloropropane
 Concen: 20.172 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

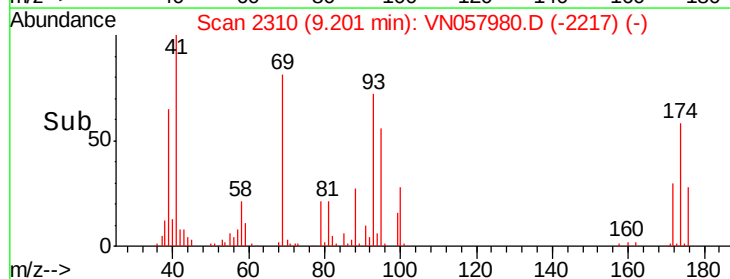
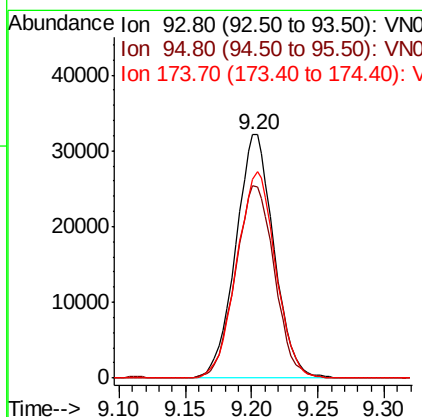
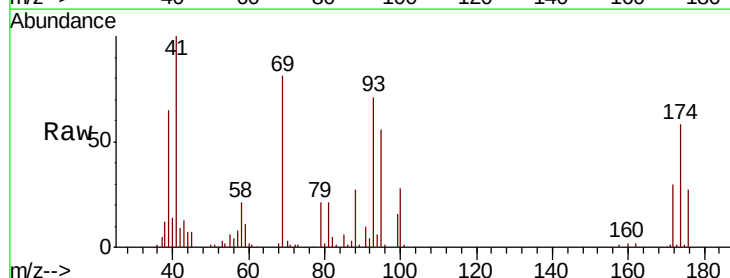
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

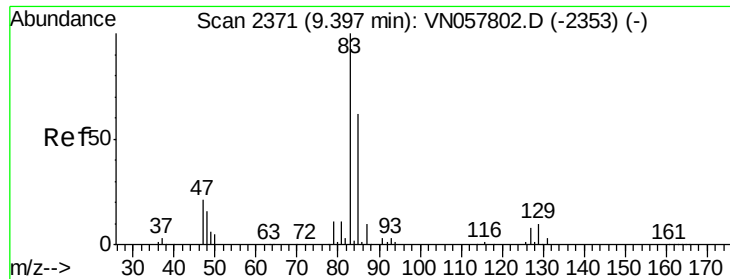
Tgt Ion: 63 Resp: 102797
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.8 37.2



#46
 Dibromomethane
 Concen: 20.823 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Tgt Ion: 93 Resp: 64122
 Ion Ratio Lower Upper
 93 100
 95 80.5 65.9 98.9
 174 86.3 71.8 107.6





#47

Bromodichloromethane

Concen: 20.542 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

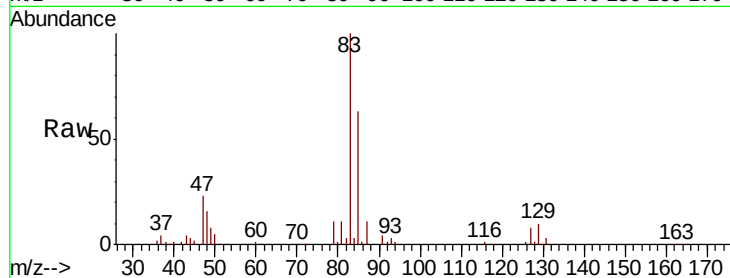
Tgt Ion: 83 Resp: 126321

Ion Ratio Lower Upper

83 100

85 63.1 49.9 74.9

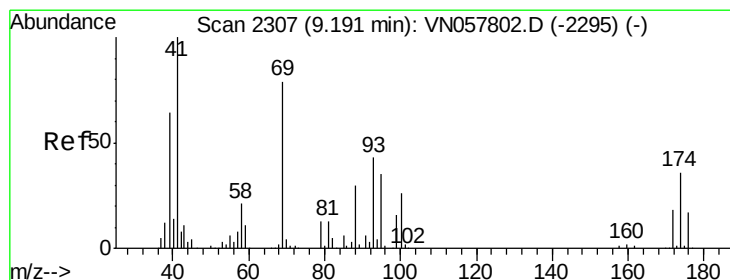
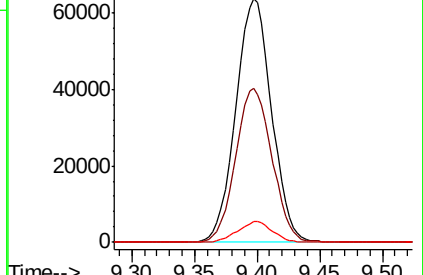
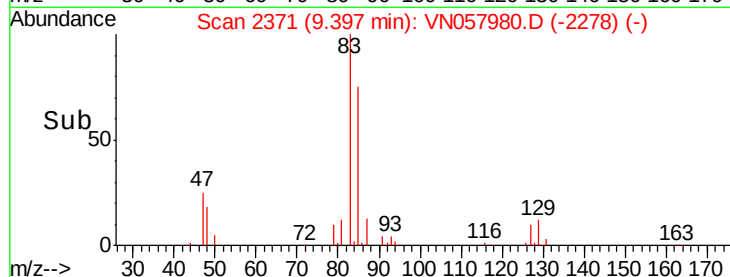
127 8.5 6.5 9.7



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: 19.573 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

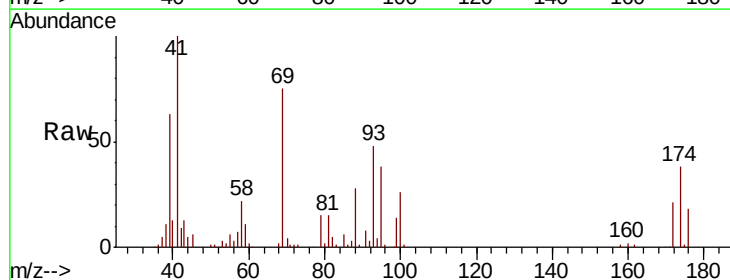
Tgt Ion: 41 Resp: 100352

Ion Ratio Lower Upper

41 100

69 80.6 62.7 94.1

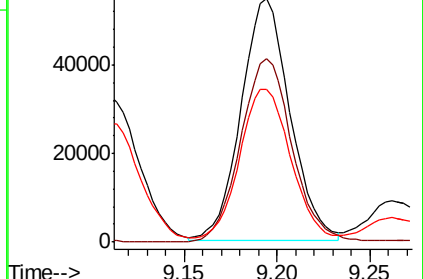
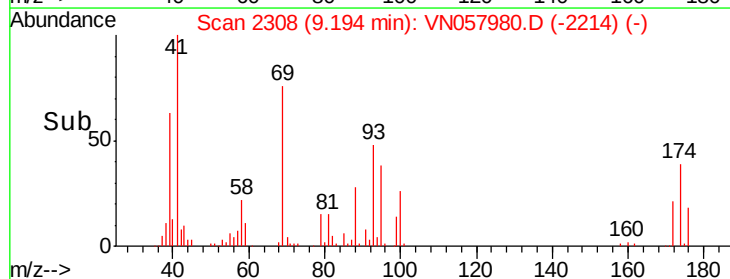
39 65.9 52.7 79.1

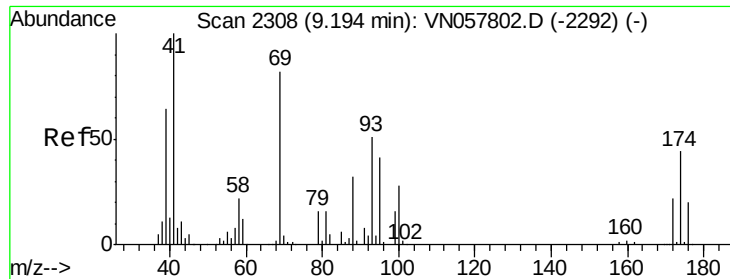


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

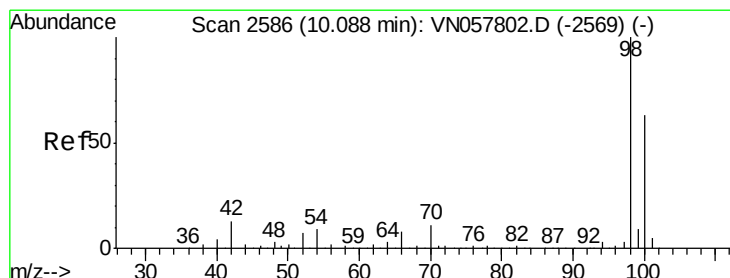
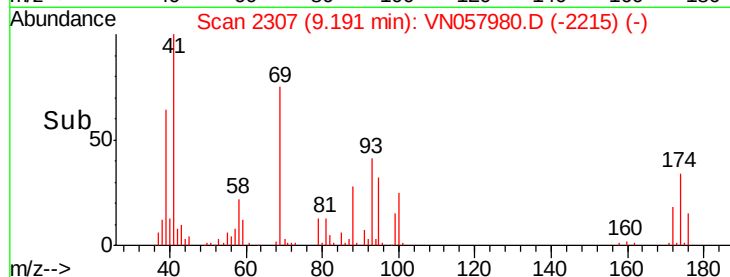
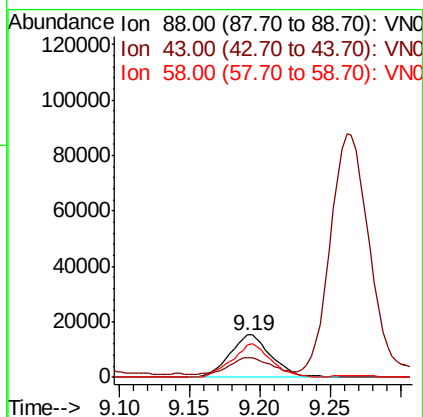
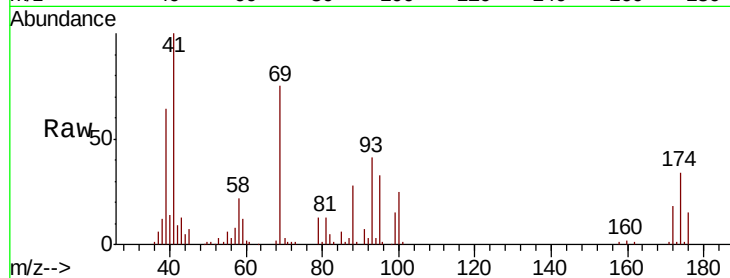




#49
 1,4-Dioxane
 Concen: 360.411 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

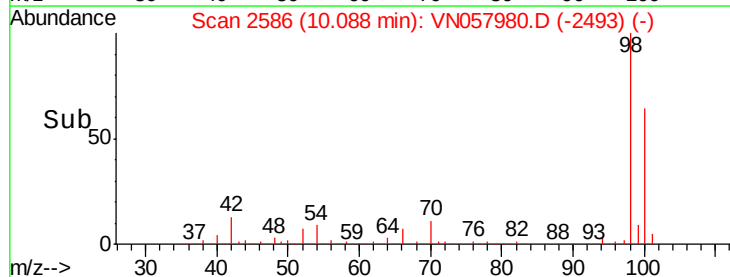
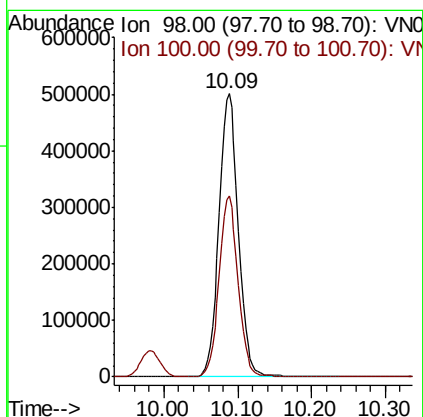
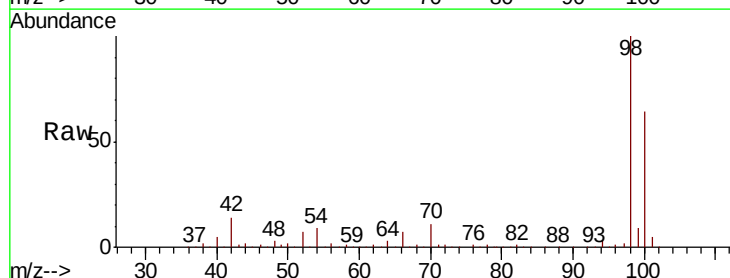
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

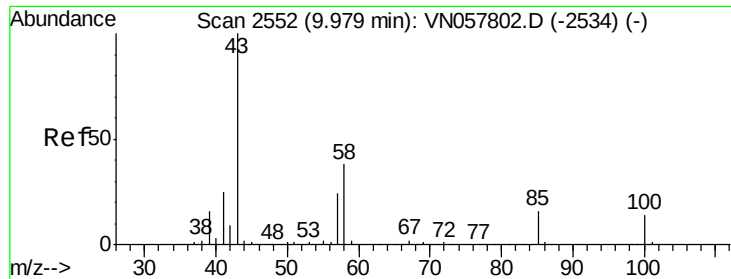
Tgt Ion: 88 Resp: 31248
 Ion Ratio Lower Upper
 88 100
 43 39.0 28.5 42.7
 58 74.5 55.8 83.6



#50
 Toluene-d8
 Concen: 50.635 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Tgt Ion: 98 Resp: 910108
 Ion Ratio Lower Upper
 98 100
 100 63.1 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 107.766 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

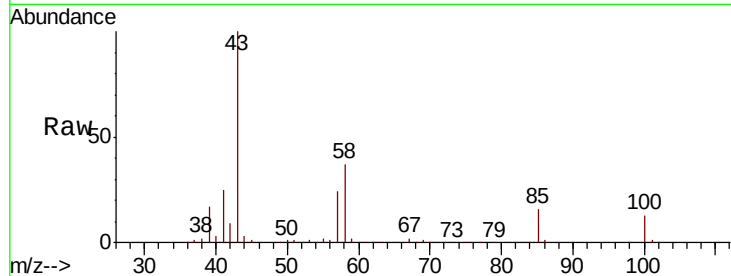
VN0913WBSD02

Tgt Ion: 43 Resp: 644547

Ion Ratio Lower Upper

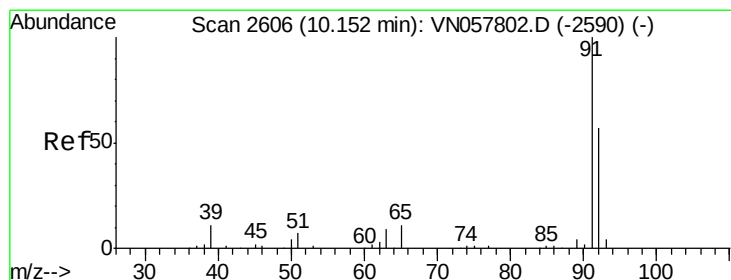
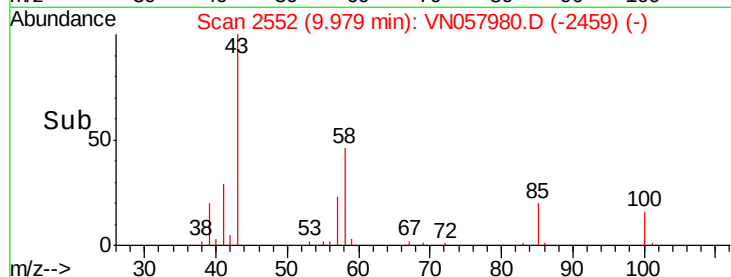
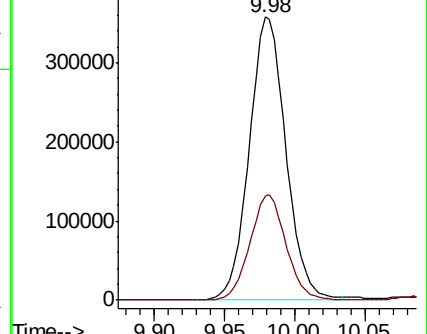
43 100

58 37.2 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: 19.490 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057980.D

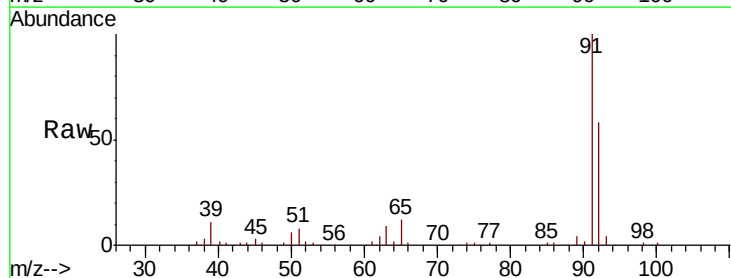
Acq: 12 Sep 2019 19:43

Tgt Ion: 92 Resp: 214984

Ion Ratio Lower Upper

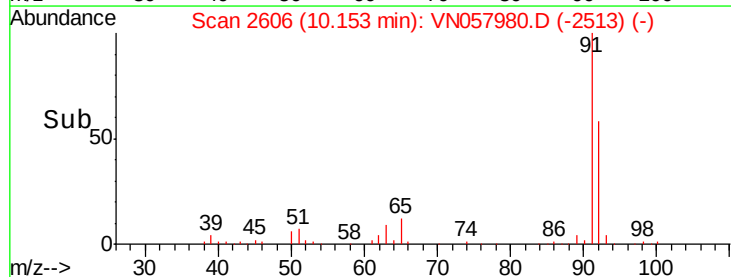
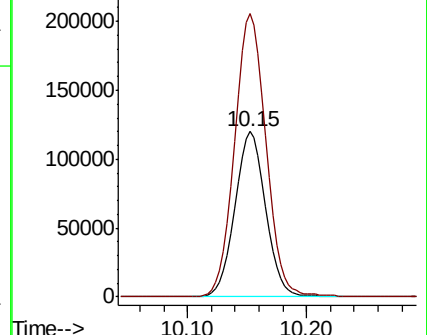
92 100

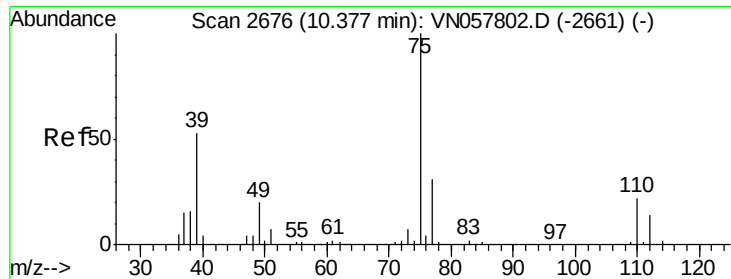
91 174.9 141.0 211.6



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: 18.975 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

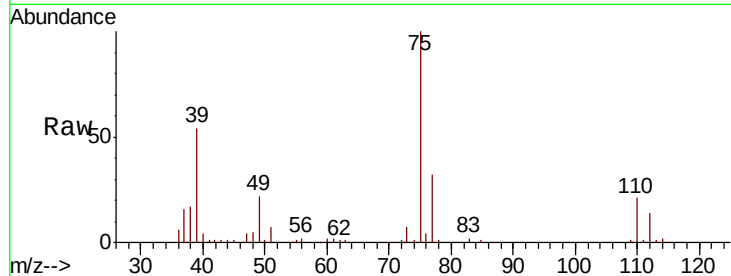
VN0913WBSD02

Tgt Ion: 75 Resp: 122877

Ion Ratio Lower Upper

75 100

77 32.0 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

60000

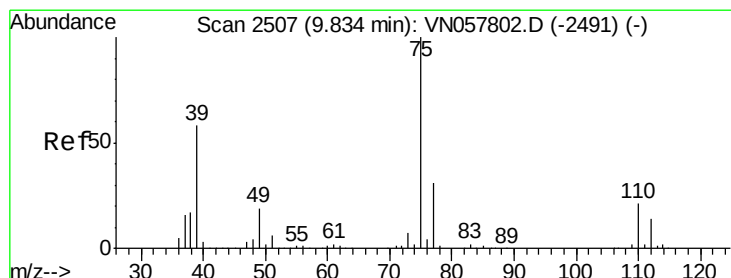
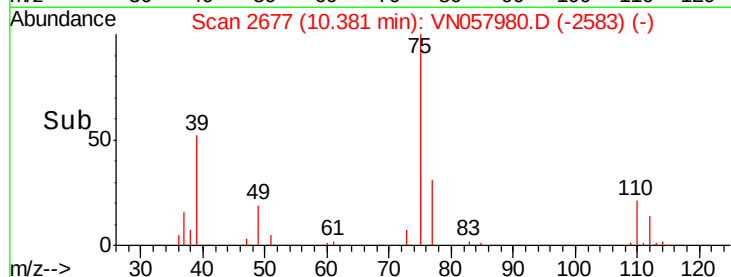
40000

20000

0

Time-->

10.30 10.40



#54

cis-1,3-Dichloropropene

Concen: 19.238 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

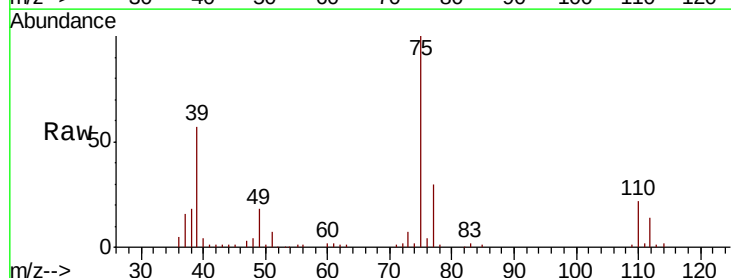
Tgt Ion: 75 Resp: 137542

Ion Ratio Lower Upper

75 100

77 29.6 24.8 37.2

39 57.0 46.2 69.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

100000

80000

60000

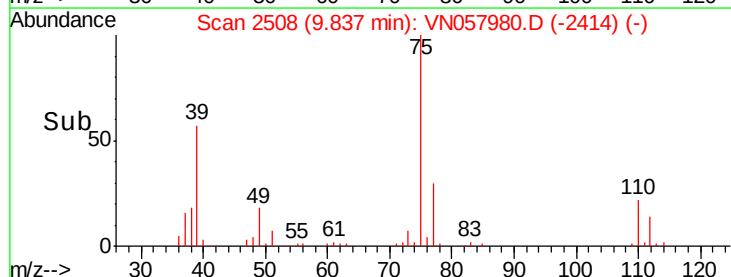
40000

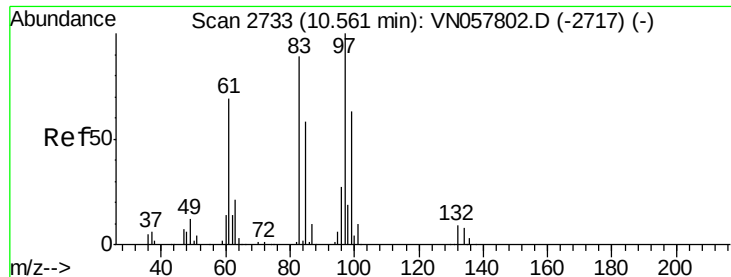
20000

0

Time-->

9.75 9.80 9.85 9.90





#55

1,1,2-Trichloroethane

Concen: 20.451 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

Tgt Ion: 97 Resp: 95554

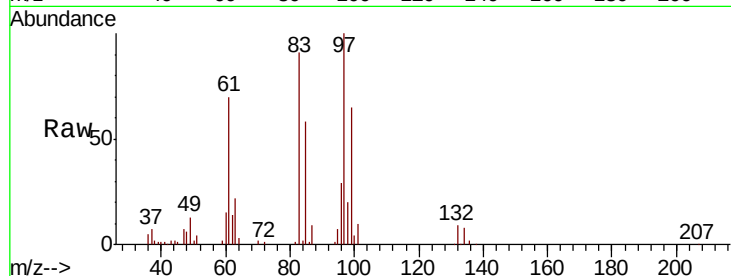
Ion Ratio Lower Upper

97 100

83 90.9 70.8 106.2

85 57.9 46.0 69.0

99 64.7 50.6 76.0

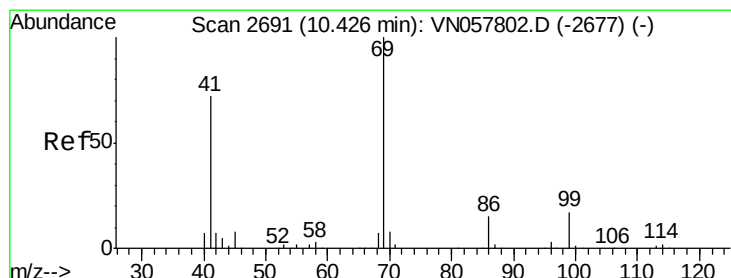
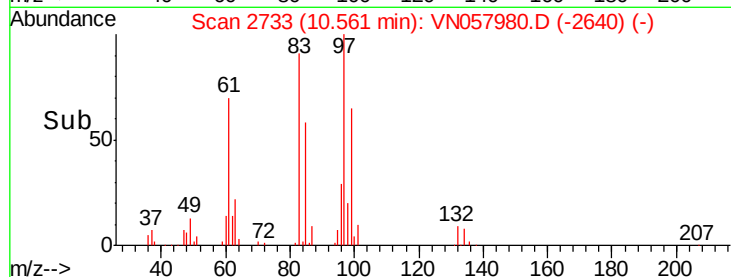
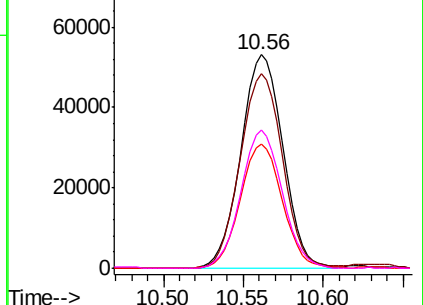


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.869 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

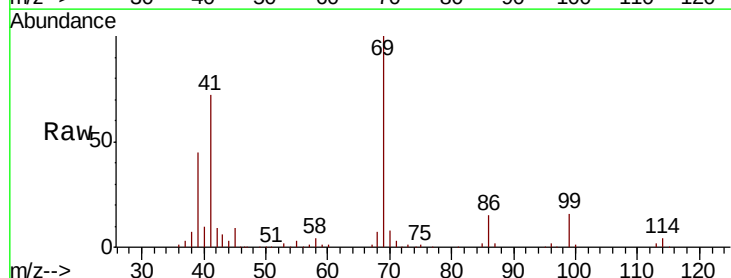
Tgt Ion: 69 Resp: 139802

Ion Ratio Lower Upper

69 100

41 70.7 56.7 85.1

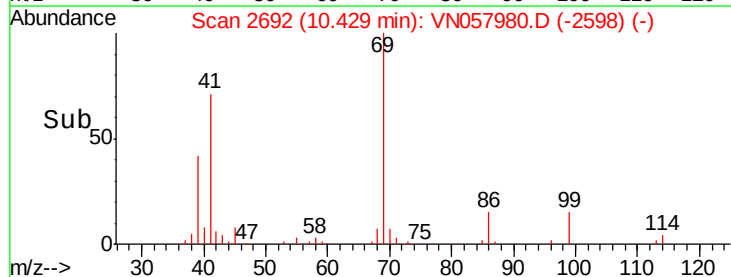
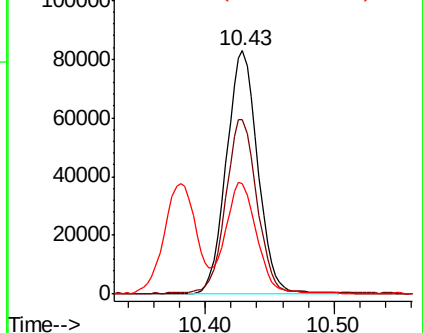
39 45.9 36.3 54.5

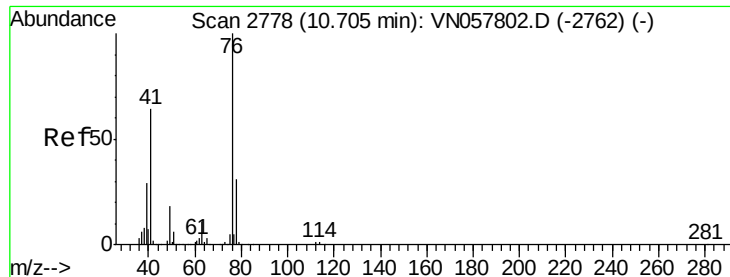


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.136 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampled :

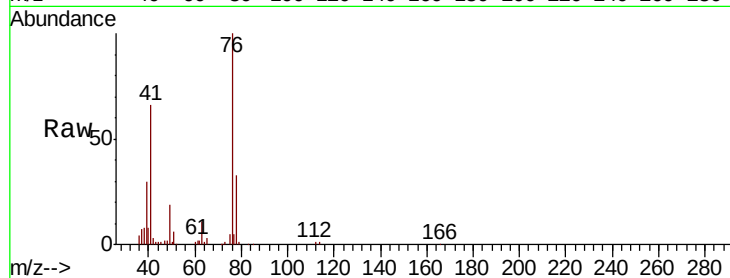
VN0913WBSD02

Tgt Ion: 76 Resp: 162136

Ion Ratio Lower Upper

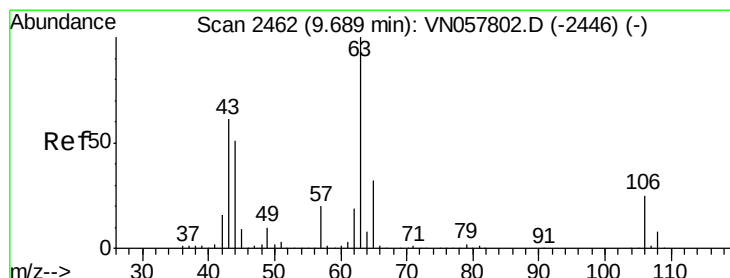
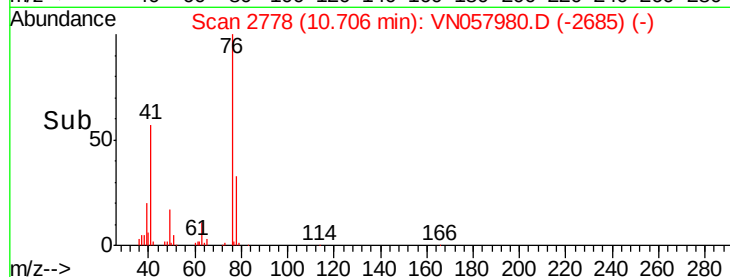
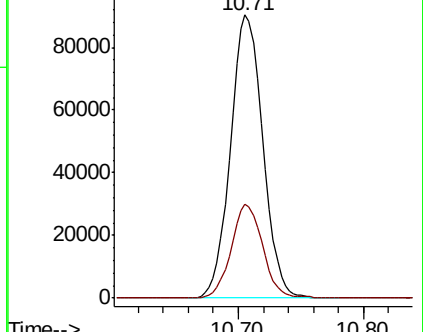
76 100

78 32.4 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 91.303 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN057980.D

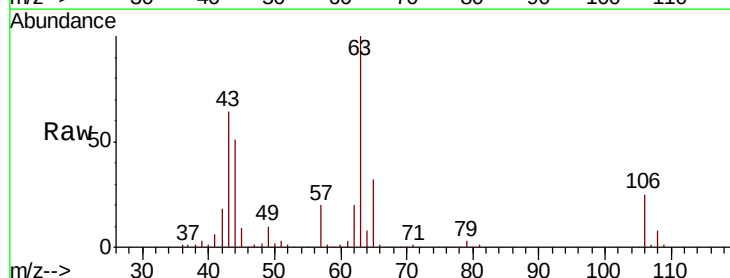
Acq: 12 Sep 2019 19:43

Tgt Ion: 63 Resp: 302571

Ion Ratio Lower Upper

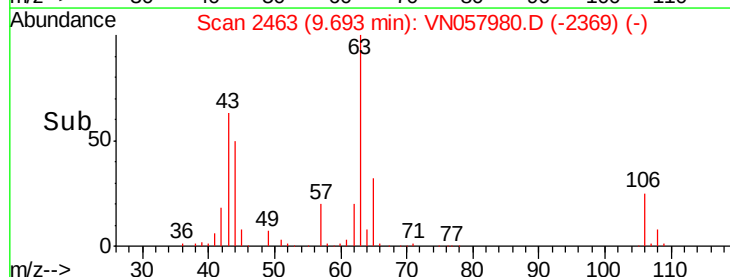
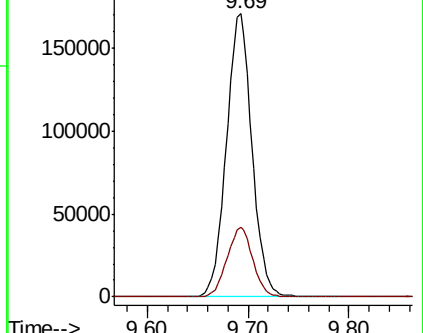
63 100

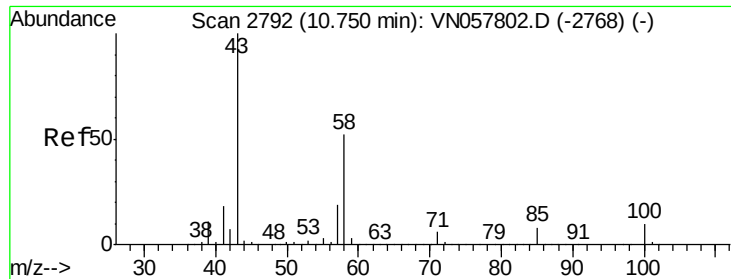
106 24.8 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

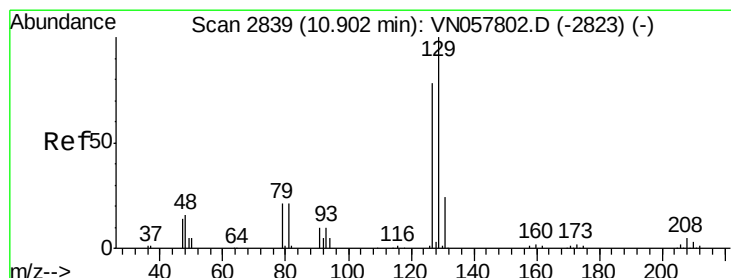
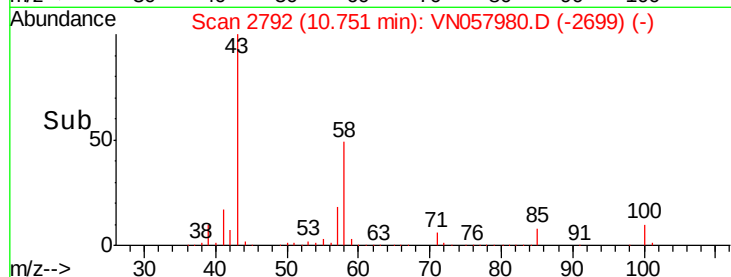
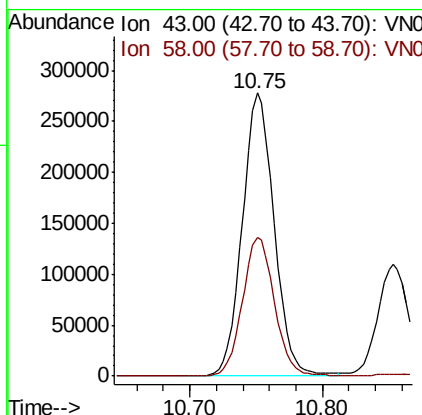
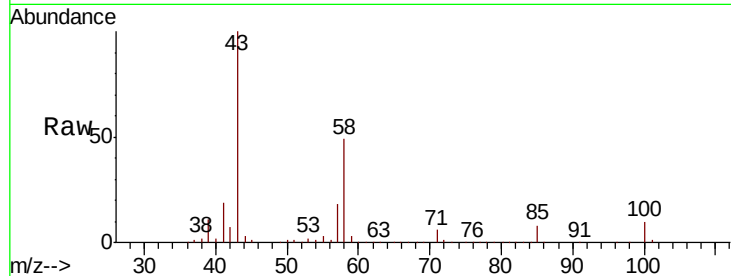




#59
2-Hexanone
Concen: 102.515 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

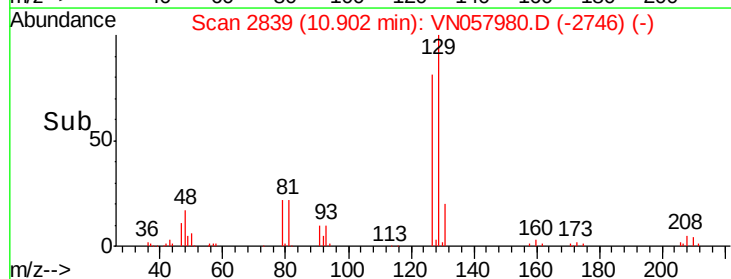
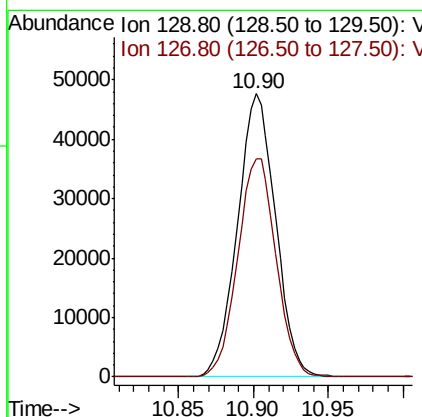
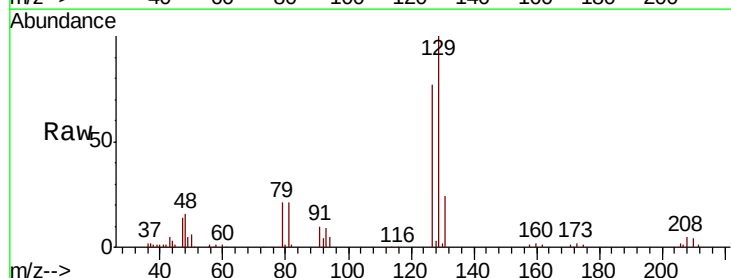
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

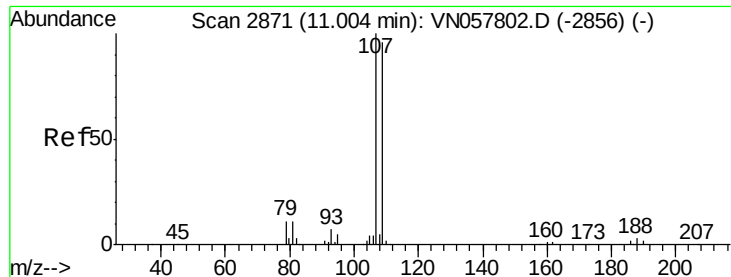
Tgt Ion: 43 Resp: 459573
Ion Ratio Lower Upper
43 100
58 49.7 25.6 76.8



#60
Dibromochloromethane
Concen: 19.446 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion: 129 Resp: 84370
Ion Ratio Lower Upper
129 100
127 77.7 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.684 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

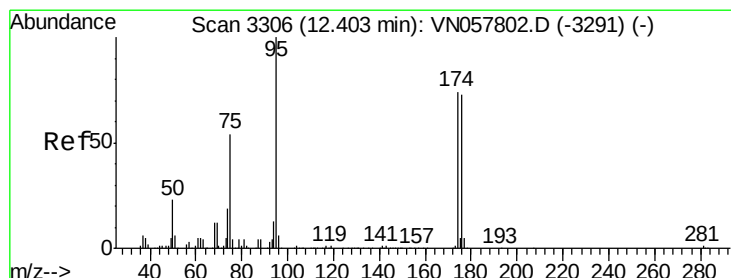
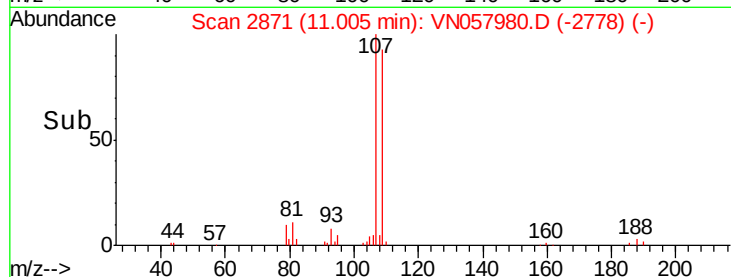
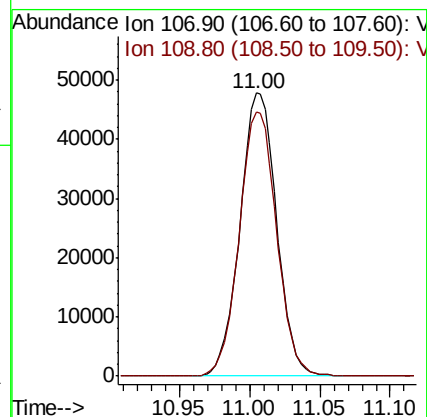
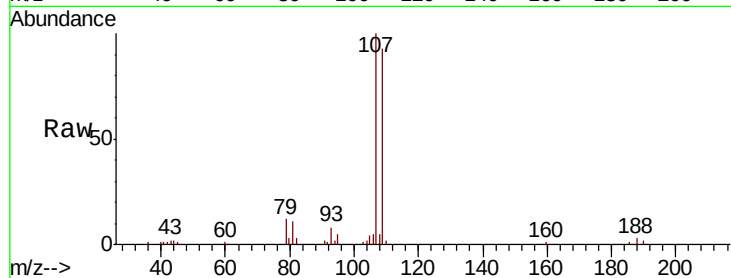
VN0913WBSD02

Tgt Ion: 107 Resp: 86950

Ion Ratio Lower Upper

107 100

109 95.0 75.3 112.9



#62

4-Bromofluorobenzene

Concen: 45.982 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

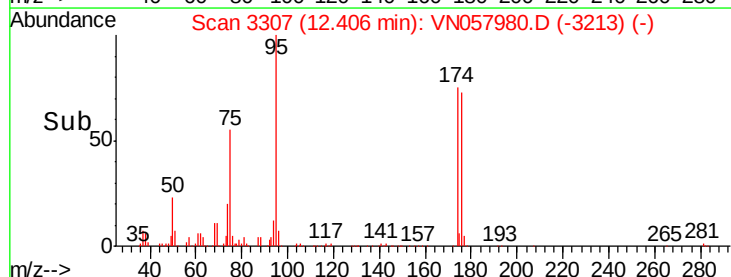
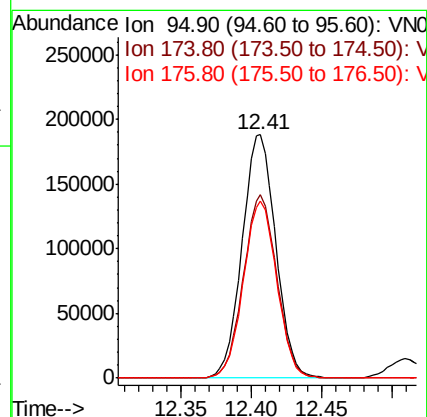
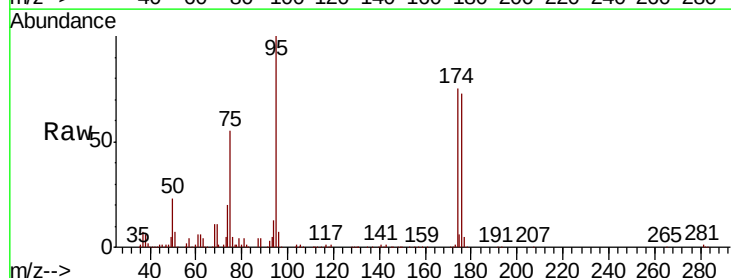
Tgt Ion: 95 Resp: 314957

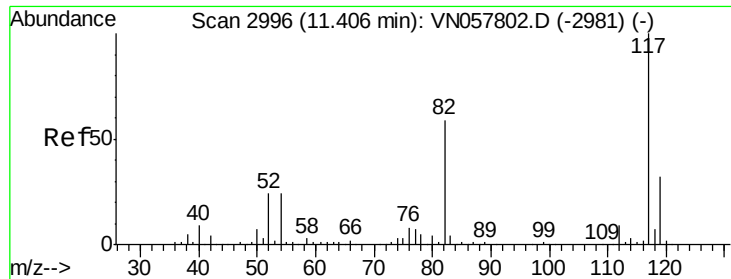
Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.2

176 72.0 0.0 146.0

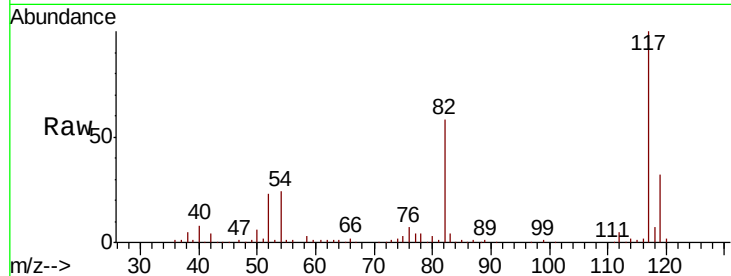




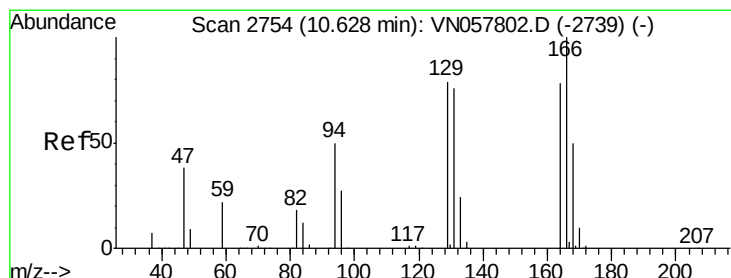
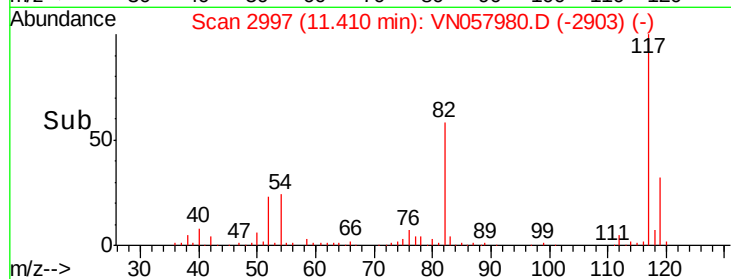
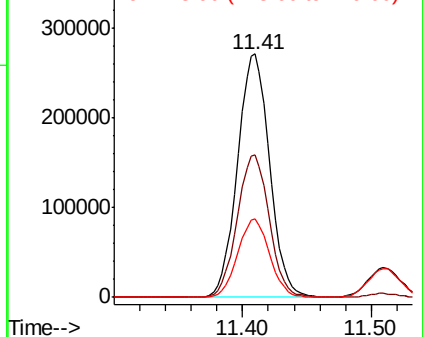
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

Tgt Ion:117 Resp: 469703
Ion Ratio Lower Upper
117 100
82 58.3 47.2 70.8
119 32.0 25.3 37.9

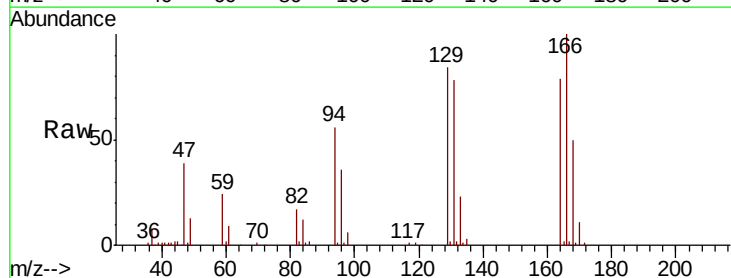


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

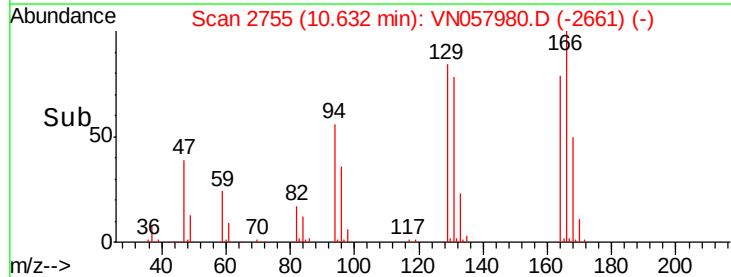
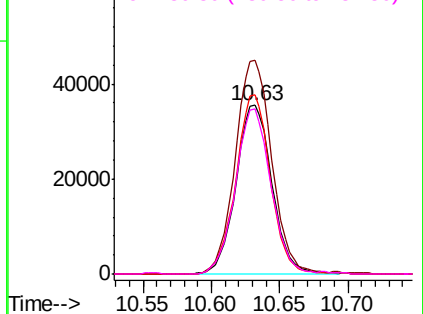


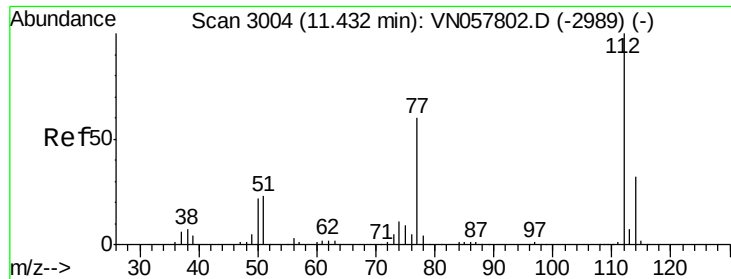
#64
Tetrachloroethene
Concen: 18.798 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion:164 Resp: 65193
Ion Ratio Lower Upper
164 100
166 126.7 102.2 153.2
129 106.6 80.8 121.2
131 98.3 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

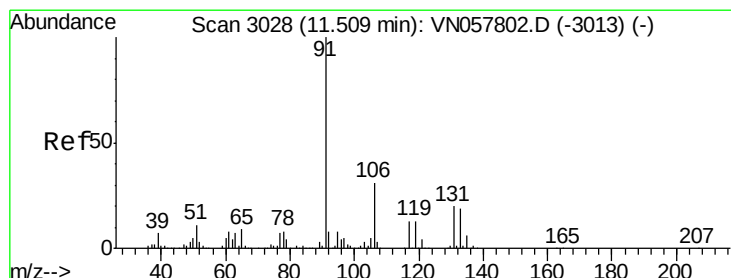
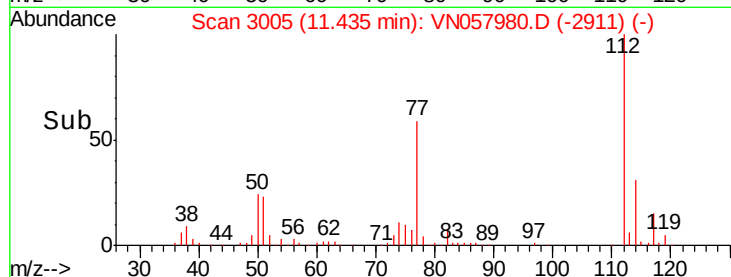
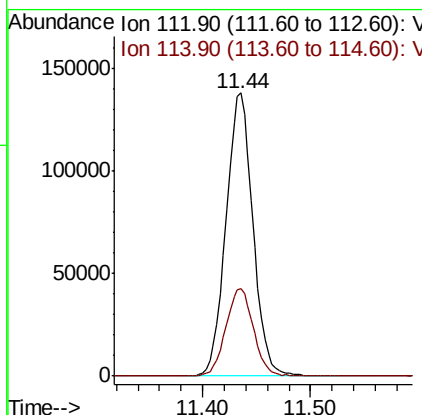
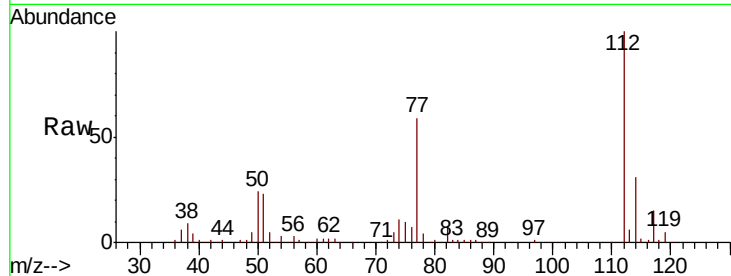




#65
Chlorobenzene
Concen: 19.478 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

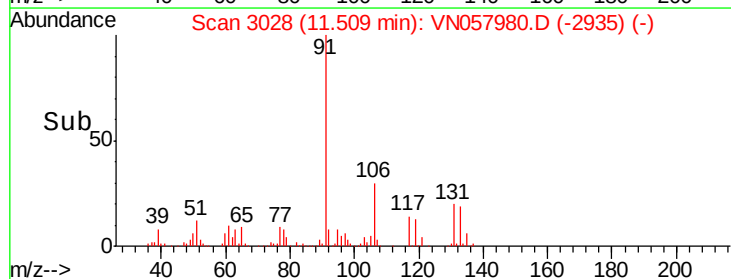
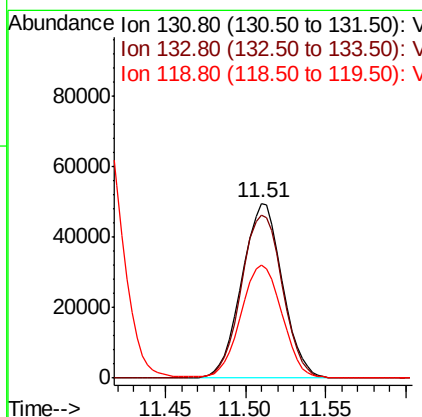
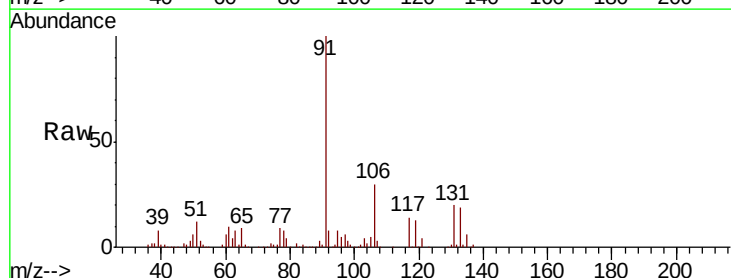
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

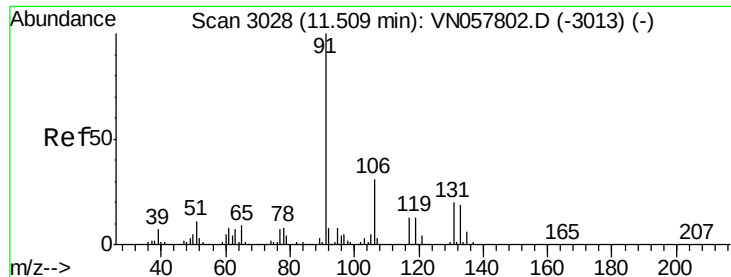
Tgt Ion:112 Resp: 239433
Ion Ratio Lower Upper
112 100
114 31.1 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.113 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion:131 Resp: 85791
Ion Ratio Lower Upper
131 100
133 94.8 47.1 141.3
119 66.0 33.3 99.8

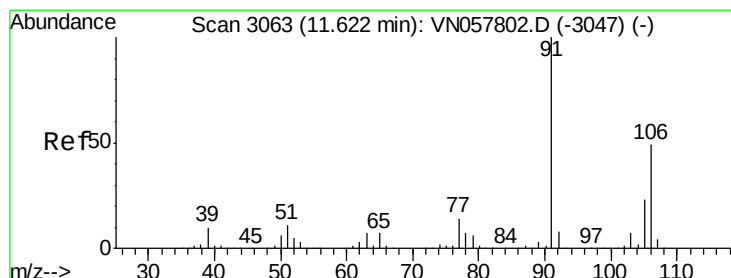
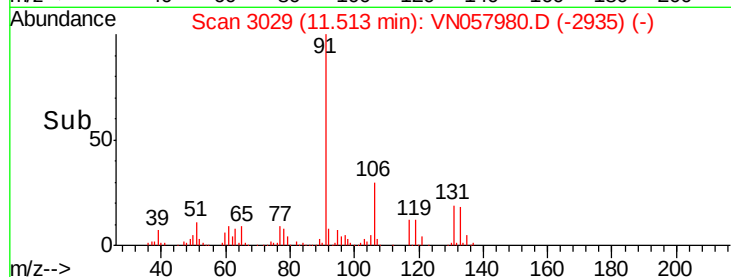
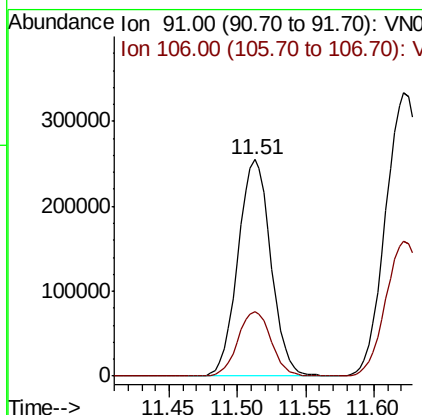
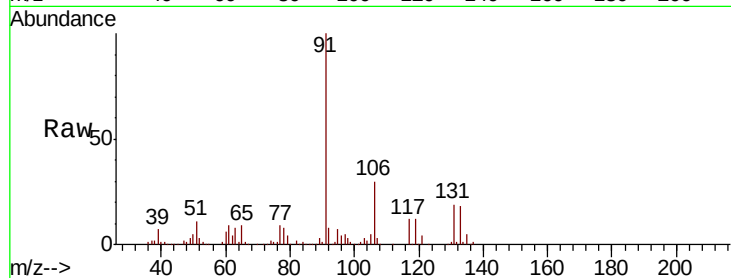




#67
Ethyl Benzene
Concen: 19.835 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

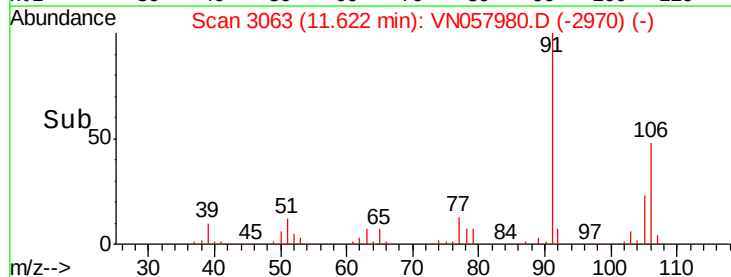
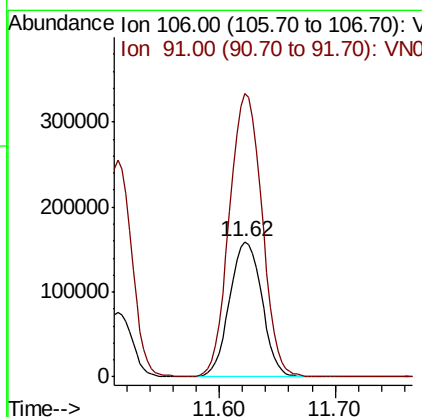
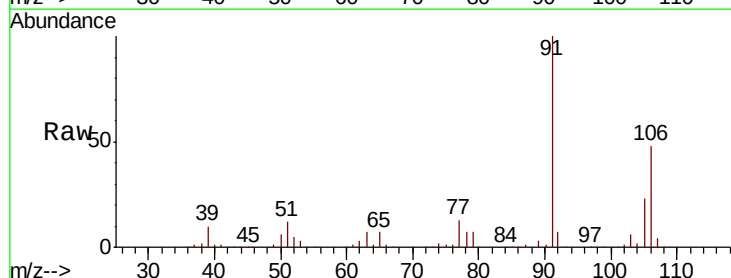
Instrument :
MSVOA_N
ClientSampled :
VN0913WBSD02

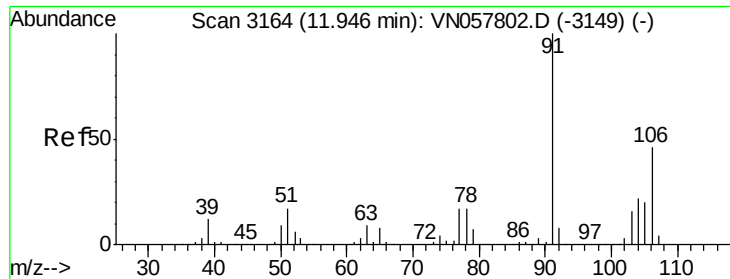
Tgt Ion: 91 Resp: 427298
Ion Ratio Lower Upper
91 100
106 29.6 24.4 36.6



#68
m/p-Xylenes
Concen: 39.044 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion: 106 Resp: 308104
Ion Ratio Lower Upper
106 100
91 210.6 165.8 248.6

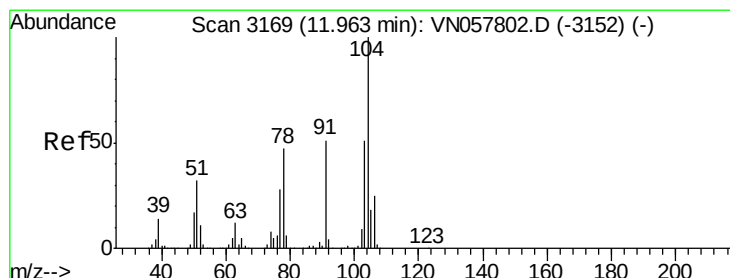
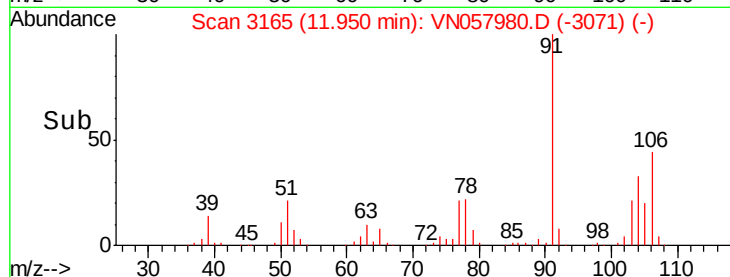
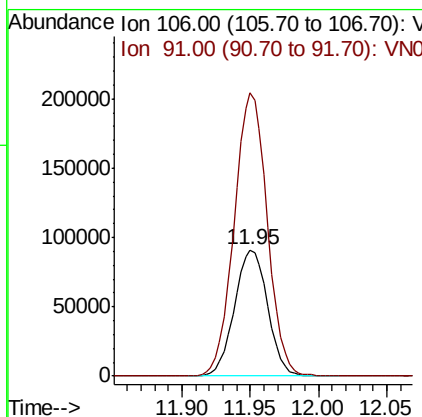
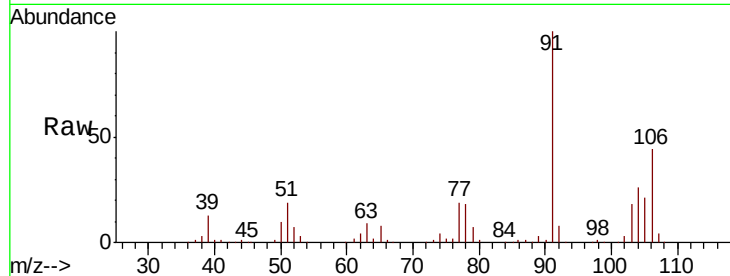




#69
o-Xylene
Concen: 19.641 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

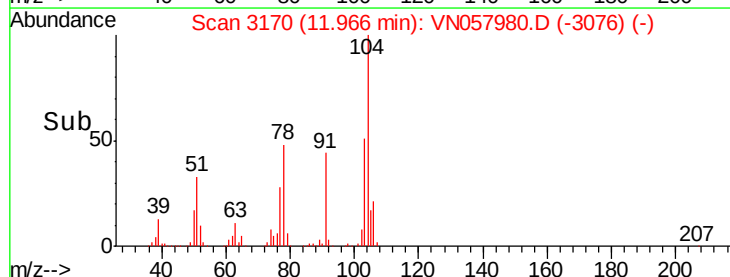
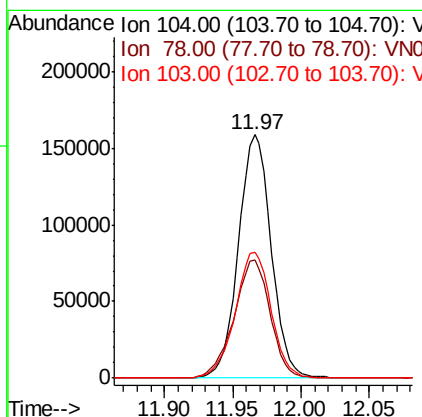
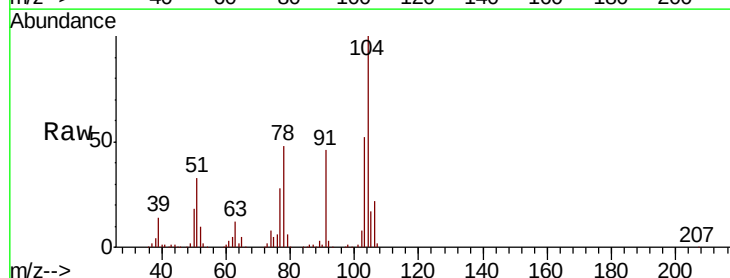
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

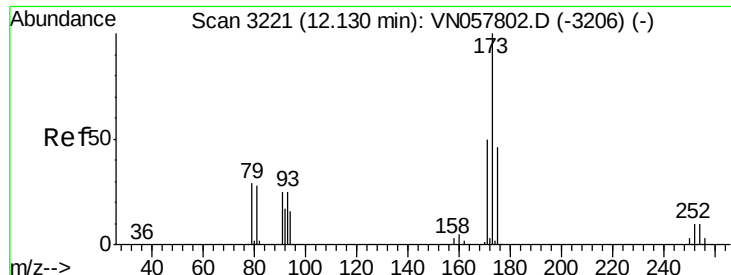
Tgt Ion:106 Resp: 154087
Ion Ratio Lower Upper
106 100
91 222.5 108.7 326.1



#70
Styrene
Concen: 19.661 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion:104 Resp: 265444
Ion Ratio Lower Upper
104 100
78 53.5 41.3 61.9
103 56.4 43.7 65.5





#71

Bromoform

Concen: 18.991 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

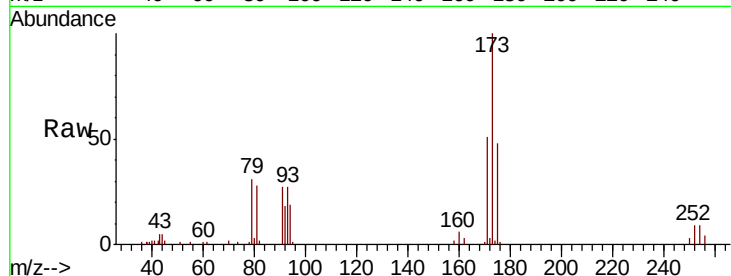
Tgt Ion:173 Resp: 50502

Ion Ratio Lower Upper

173 100

175 48.4 23.5 70.6

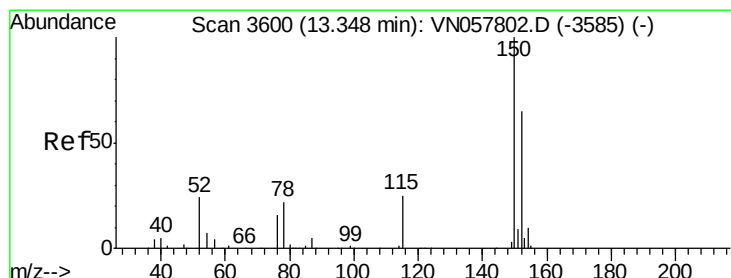
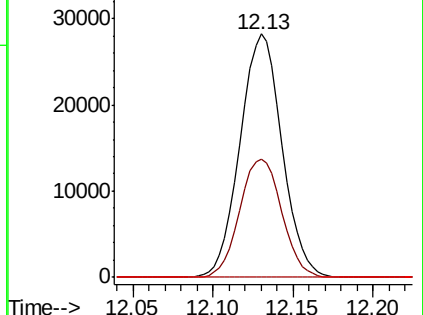
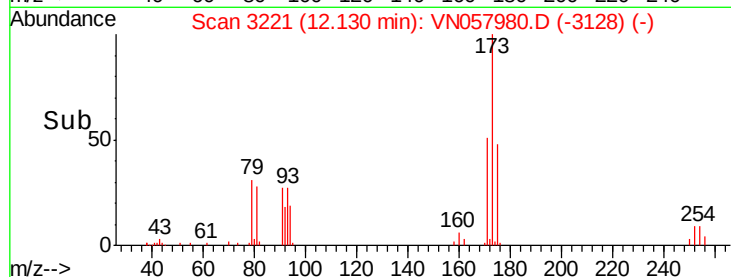
254 0.0 0.1 0.1#



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: VN057980.D

Acq: 12 Sep 2019 19:43

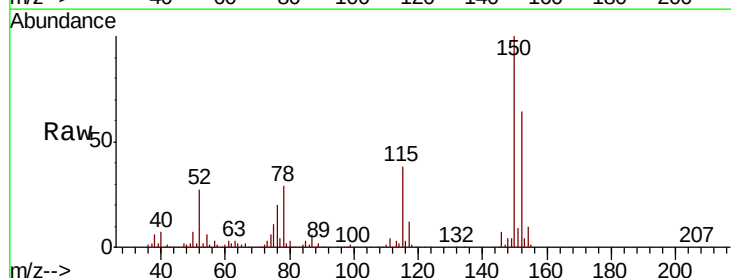
Tgt Ion:152 Resp: 274112

Ion Ratio Lower Upper

152 100

115 59.1 30.3 91.0

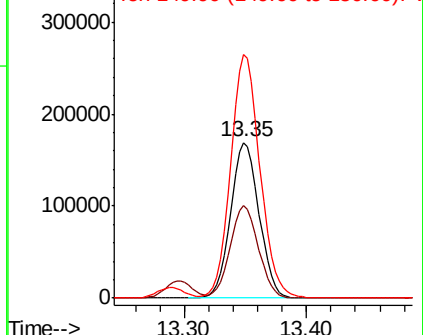
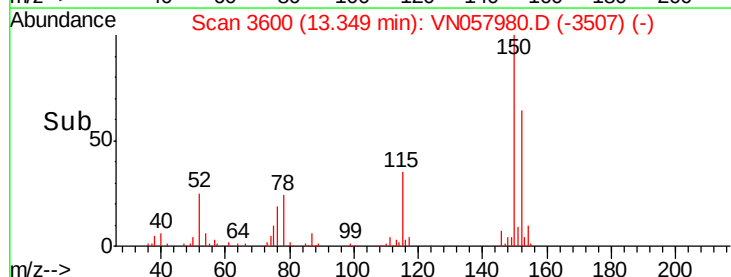
150 161.4 0.0 352.4

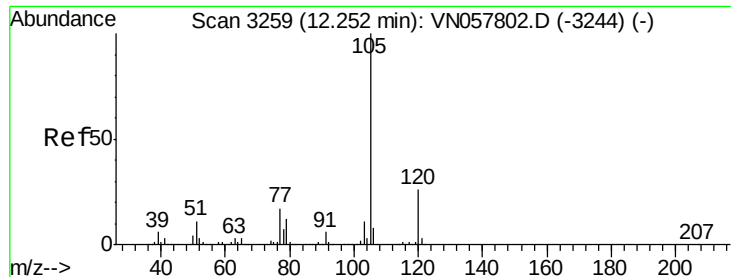


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.199 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

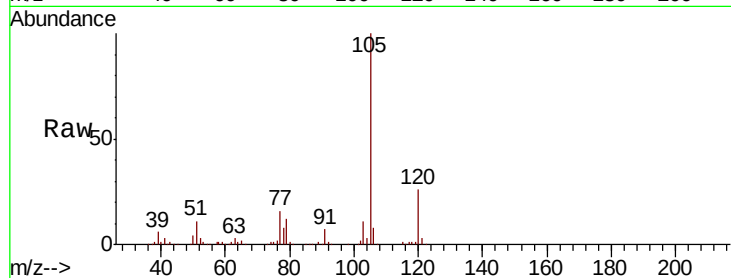
VN0913WBSD02

Tgt Ion: 105 Resp: 429628

Ion Ratio Lower Upper

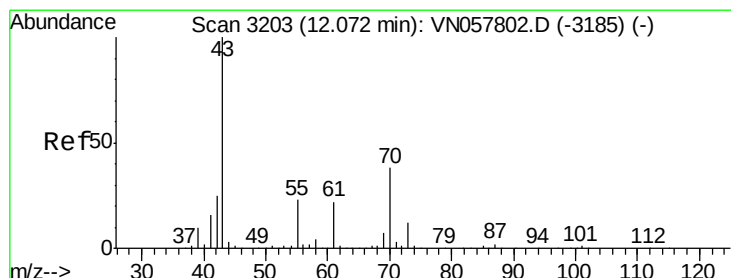
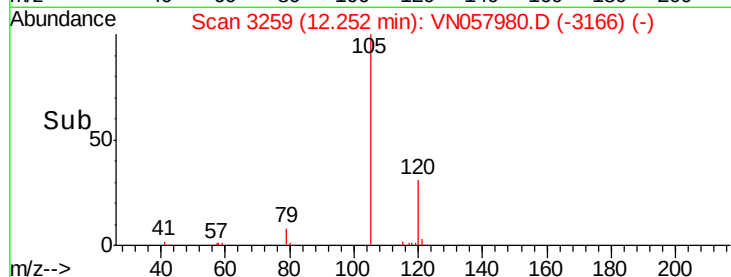
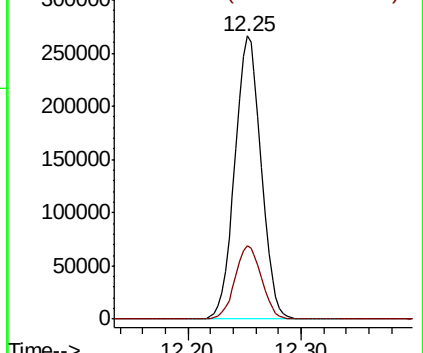
105 100

120 26.0 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.335 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Tgt Ion: 43 Resp: 188237

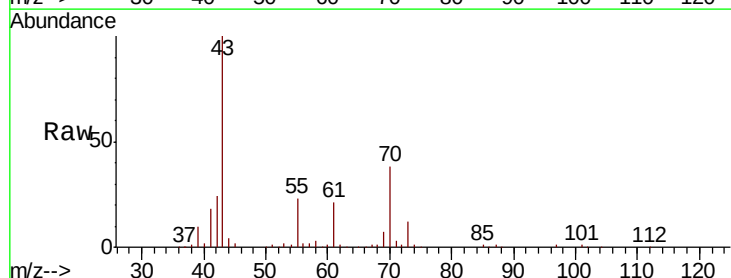
Ion Ratio Lower Upper

43 100

70 37.7 30.6 45.8

55 23.9 18.6 27.8

61 22.1 17.4 26.2

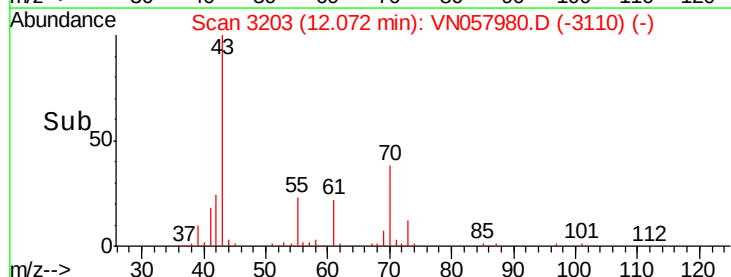
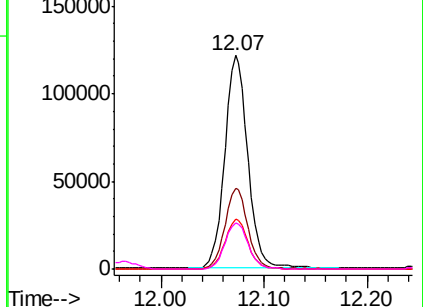


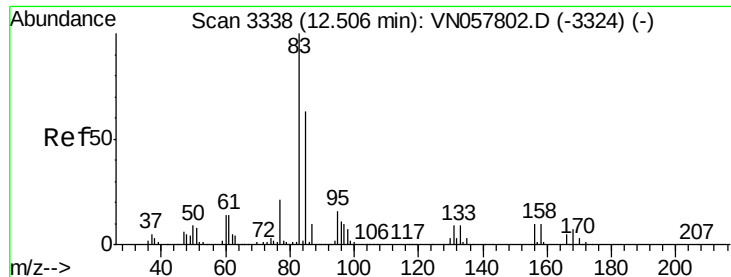
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.246 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

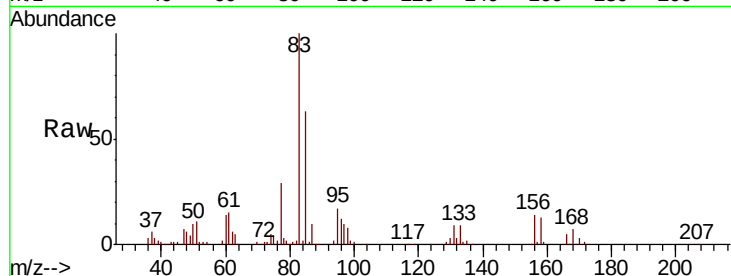
Tgt Ion: 83 Resp: 144995

Ion Ratio Lower Upper

83 100

131 9.7 4.8 14.3

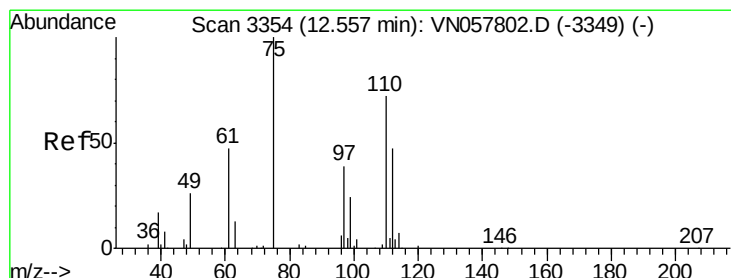
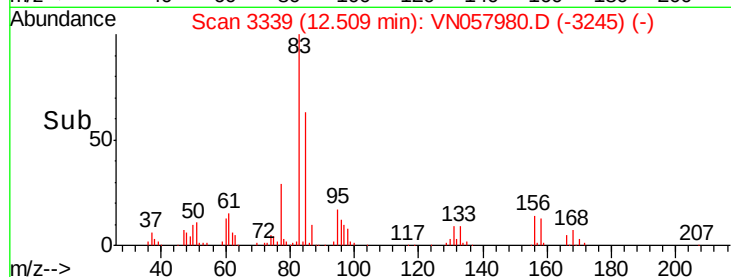
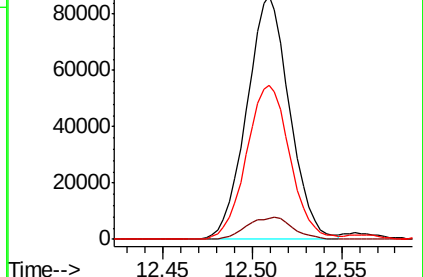
85 64.3 31.6 94.7



Abundance Ion 82.90 (82.60 to 83.60): VN057980.D (-3339) (-)

Ion 130.80 (130.50 to 131.50): VN057980.D (-3339) (-)

Ion 84.90 (84.60 to 85.60): VN057980.D (-3339) (-)



#76

1,2,3-Trichloropropane

Concen: 27.268 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN057980.D

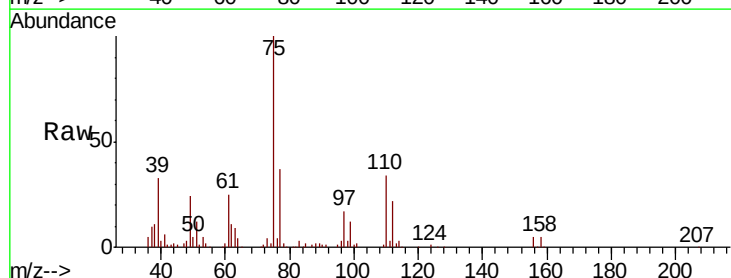
Acq: 12 Sep 2019 19:43

Tgt Ion: 75 Resp: 169086

Ion Ratio Lower Upper

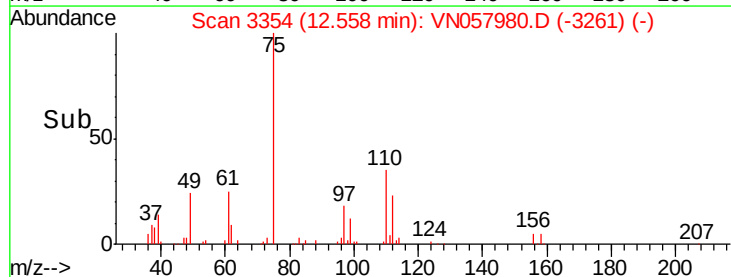
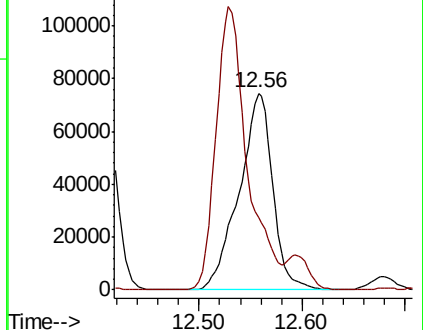
75 100

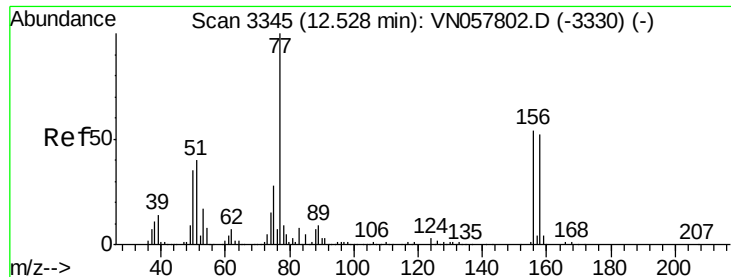
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057980.D (-3354) (-)

Ion 77.00 (76.70 to 77.70): VN057980.D (-3354) (-)





#77

Bromobenzene

Concen: 19.268 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

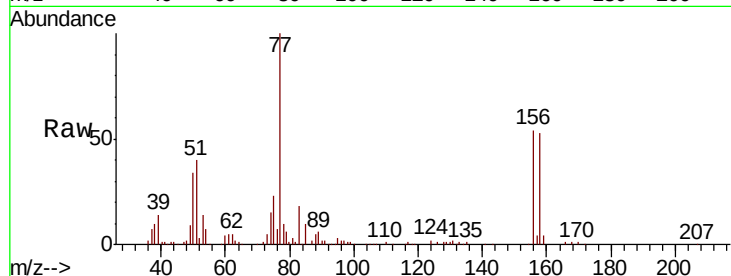
Tgt Ion:156 Resp: 102178

Ion Ratio Lower Upper

156 100

77 221.5 113.7 341.1

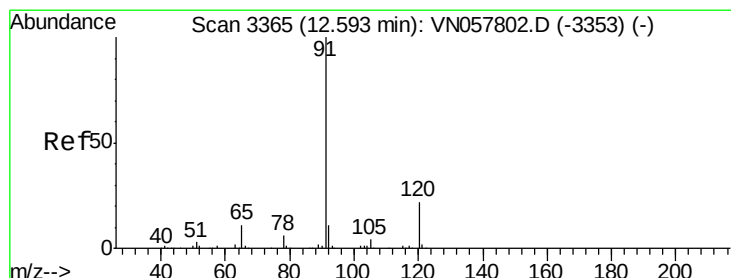
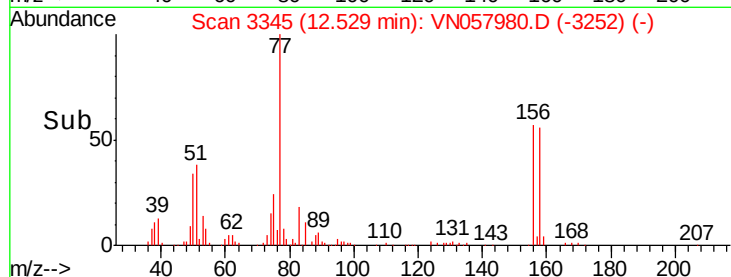
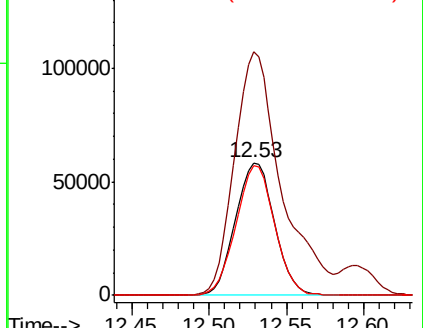
158 96.9 48.5 145.6



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: 20.247 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN057980.D

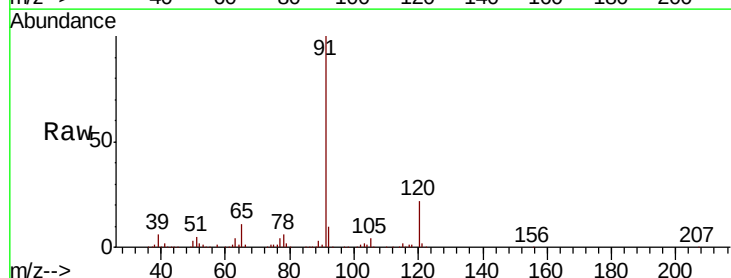
Acq: 12 Sep 2019 19:43

Tgt Ion: 91 Resp: 494518

Ion Ratio Lower Upper

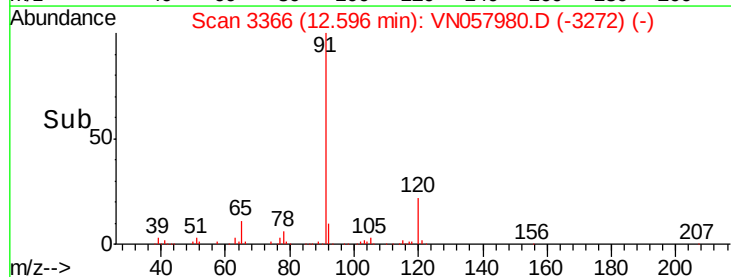
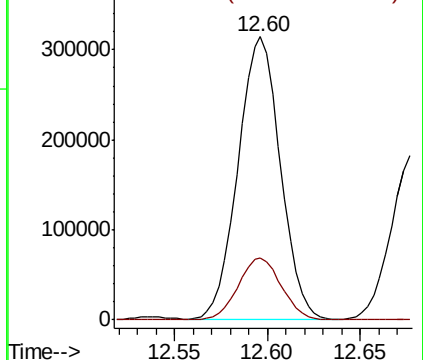
91 100

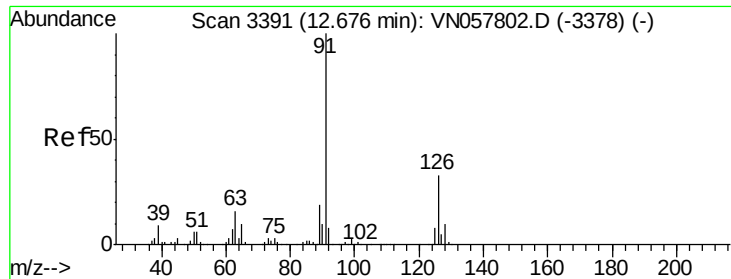
120 22.3 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.587 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

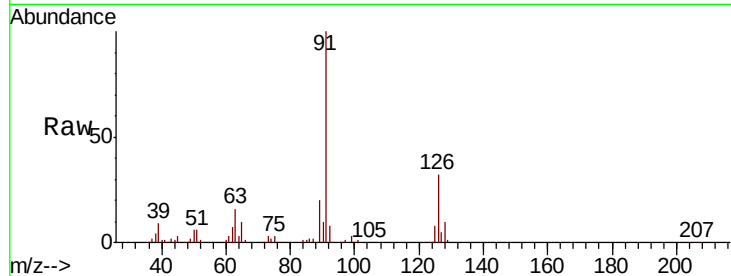
VN0913WBSD02

Tgt Ion: 91 Resp: 302369

Ion Ratio Lower Upper

91 100

126 32.2 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VN057980.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN057980.D (-3392) (-)

300000

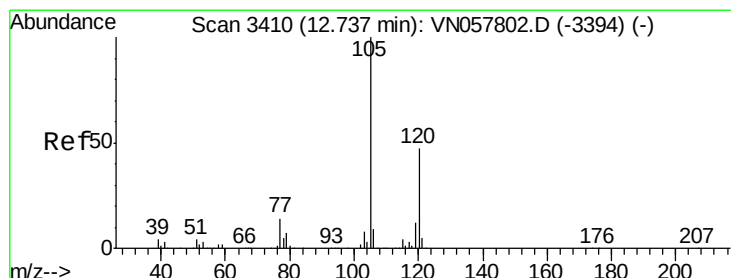
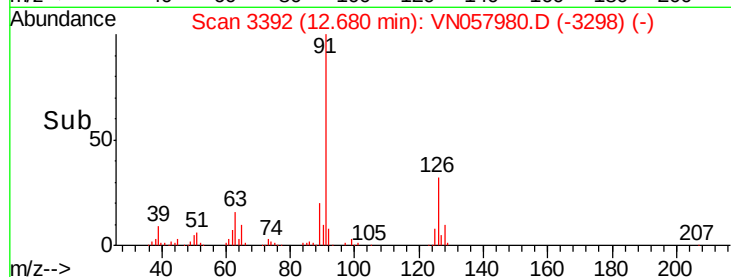
200000

100000

0

12.68

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 20.196 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057980.D

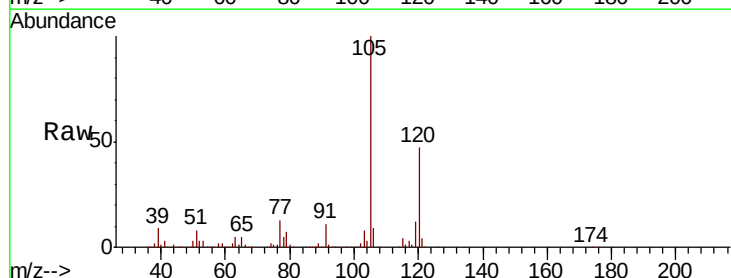
Acq: 12 Sep 2019 19:43

Tgt Ion: 105 Resp: 362969

Ion Ratio Lower Upper

105 100

120 47.7 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN057980.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN057980.D (-3410) (-)

250000

200000

150000

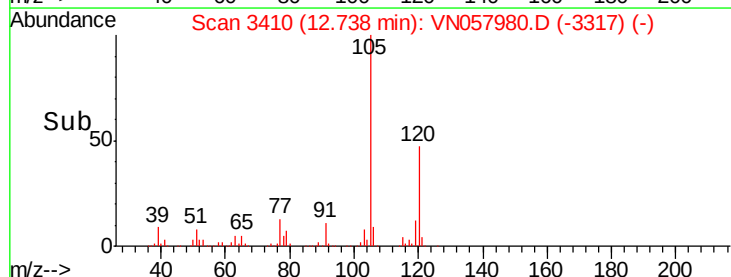
100000

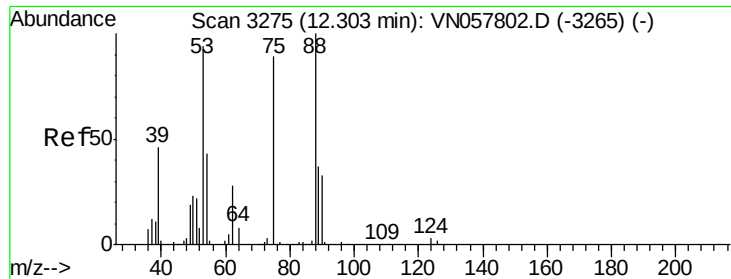
50000

0

12.74

Time--> 12.65 12.70 12.75 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 16.475 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

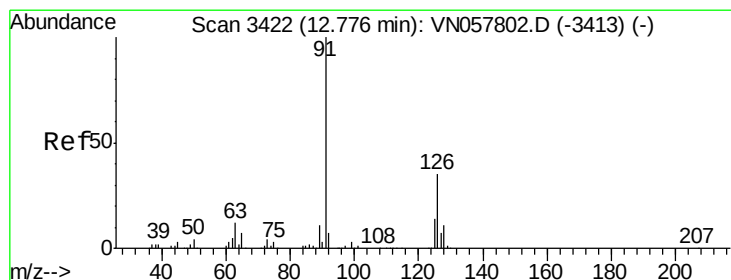
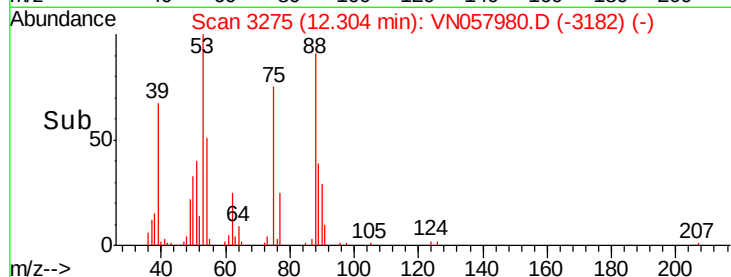
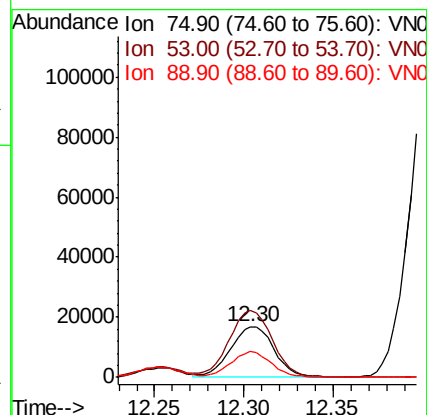
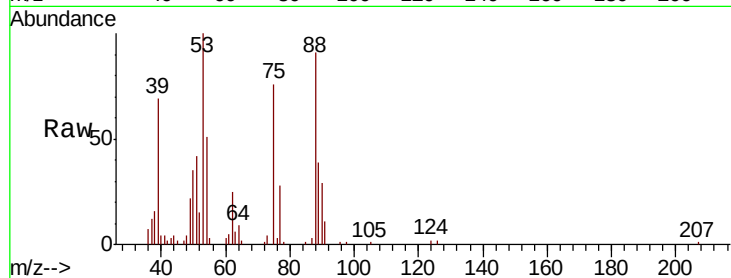
Tgt Ion: 75 Resp: 29031

Ion Ratio Lower Upper

75 100

53 130.8 88.4 132.6

89 46.2 35.3 52.9



#82

4-Chlorotoluene

Concen: 19.469 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN057980.D

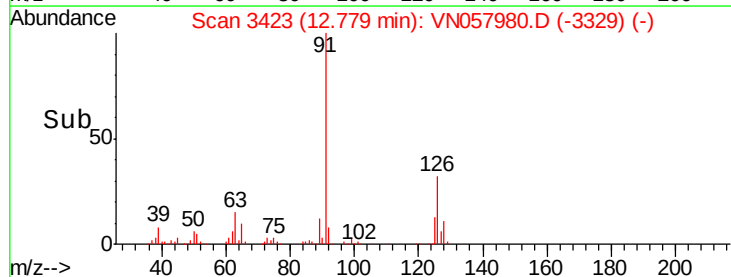
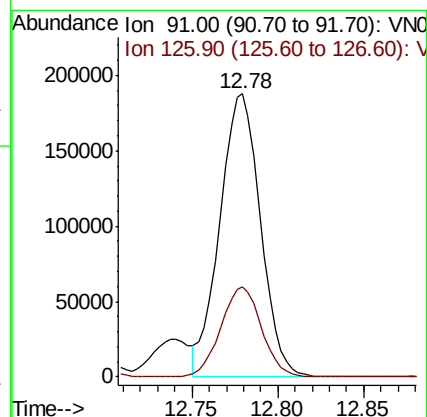
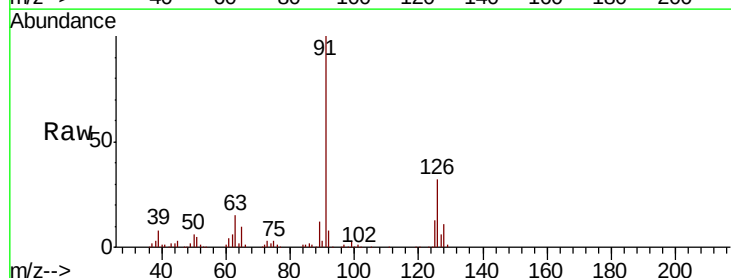
Acq: 12 Sep 2019 19:43

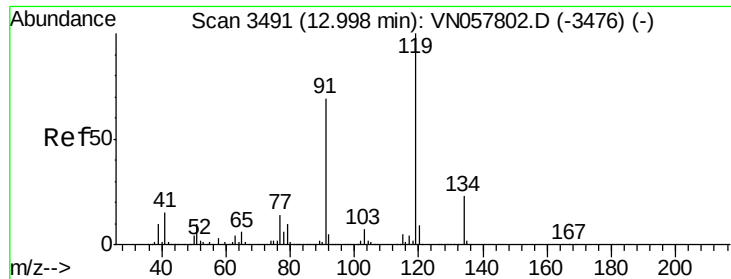
Tgt Ion: 91 Resp: 308637

Ion Ratio Lower Upper

91 100

126 32.0 16.0 48.0

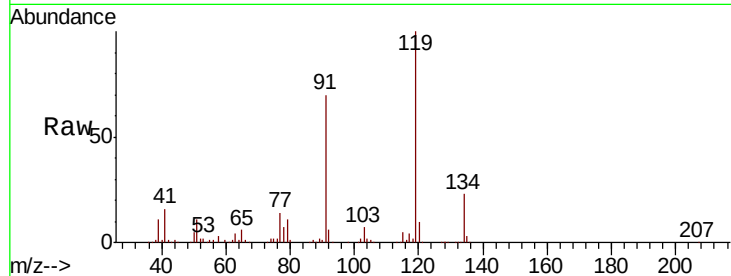




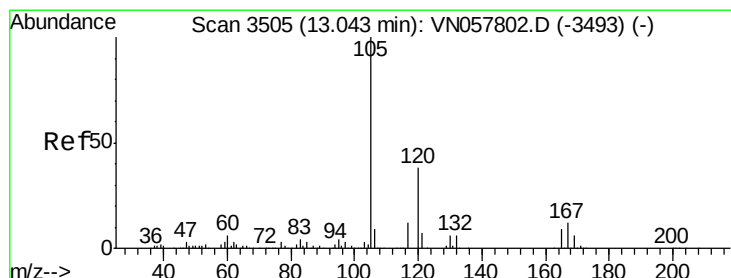
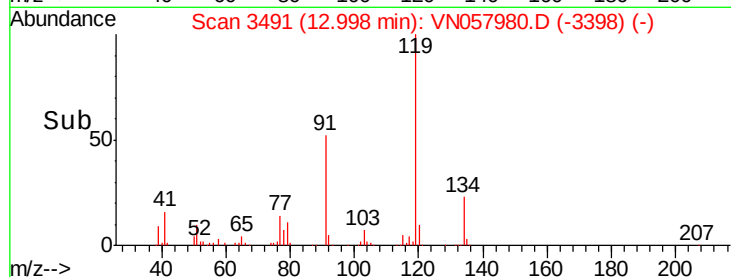
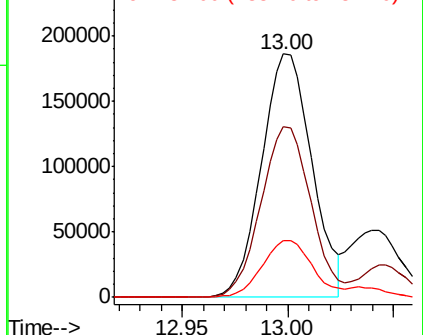
#83
 tert-Butylbenzene
 Concen: 19.399 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

Tgt Ion:119 Resp: 309904
 Ion Ratio Lower Upper
 119 100
 91 69.6 33.6 100.8
 134 23.5 11.7 35.0

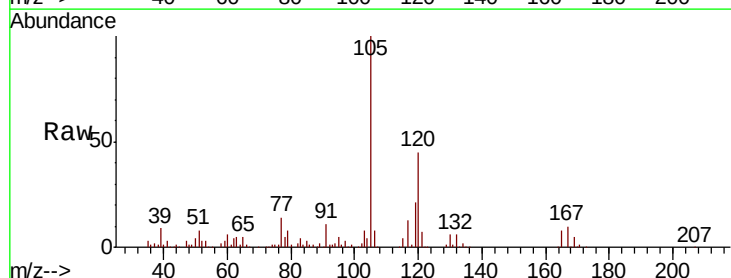


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VN
 Ion 134.00 (133.70 to 134.70): V

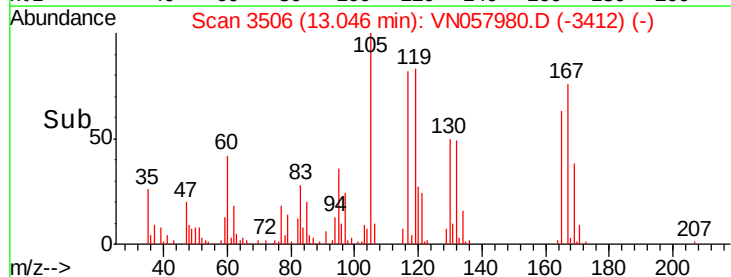
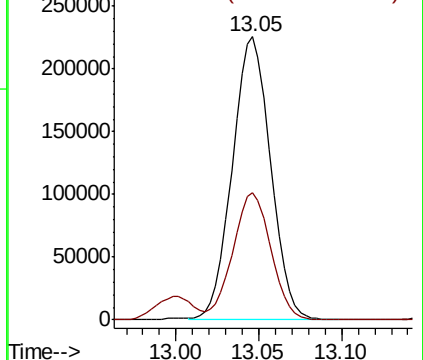


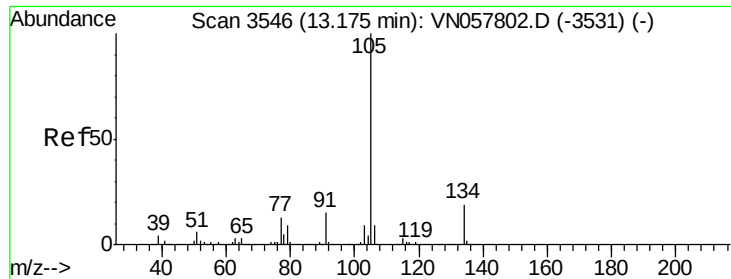
#84
 1,2,4-Trimethylbenzene
 Concen: 19.736 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Tgt Ion:105 Resp: 360503
 Ion Ratio Lower Upper
 105 100
 120 45.1 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: 20.049 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

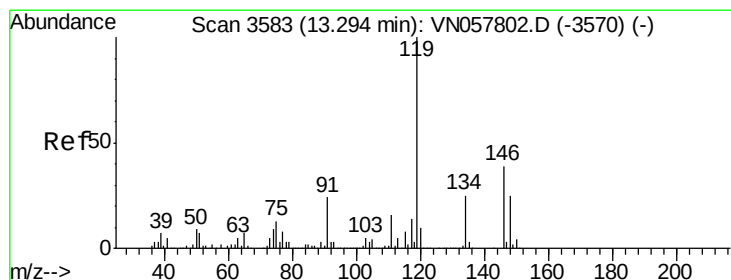
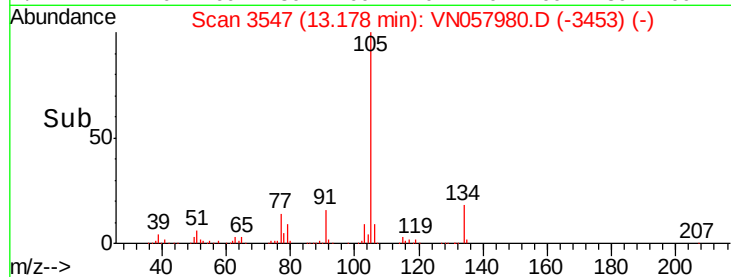
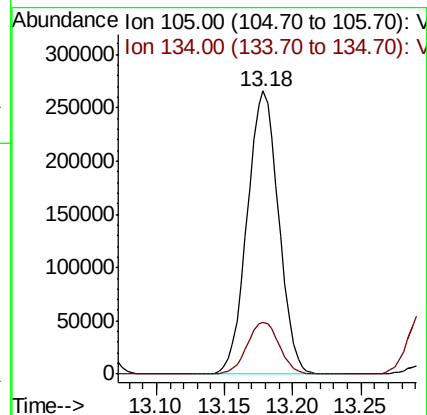
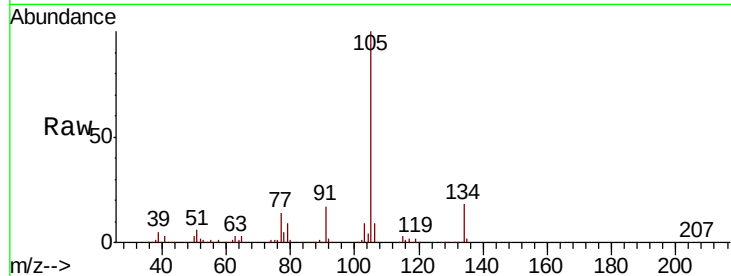
VN0913WBSD02

Tgt Ion:105 Resp: 424520

Ion Ratio Lower Upper

105 100

134 18.6 9.6 28.6



#86

p-Isopropyltoluene

Concen: 20.033 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

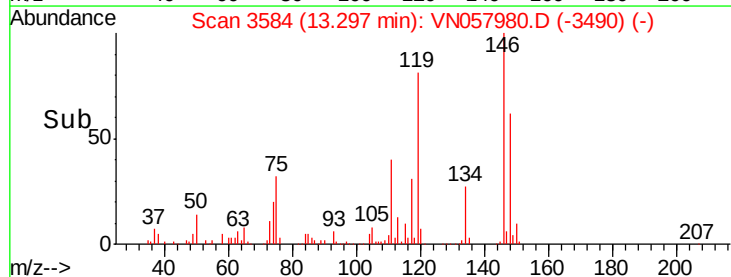
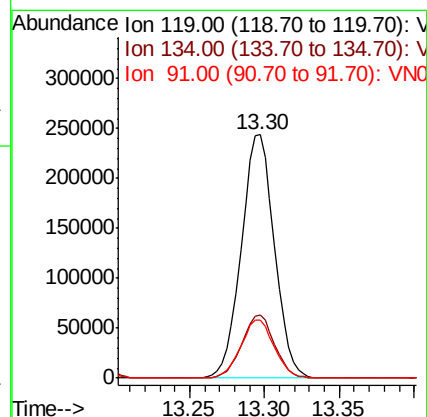
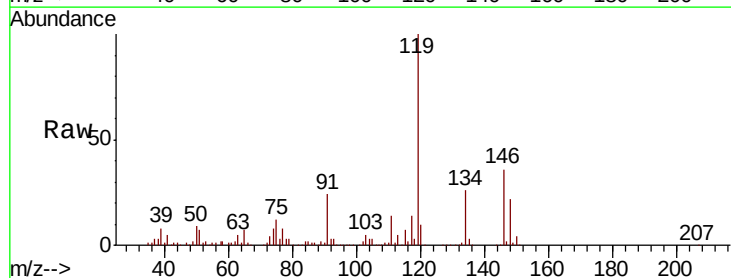
Tgt Ion:119 Resp: 373754

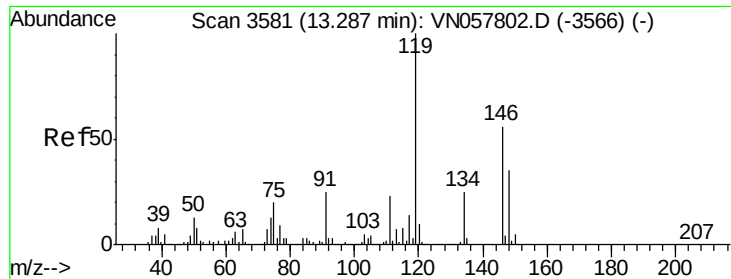
Ion Ratio Lower Upper

119 100

134 25.6 12.5 37.5

91 24.3 12.3 36.8

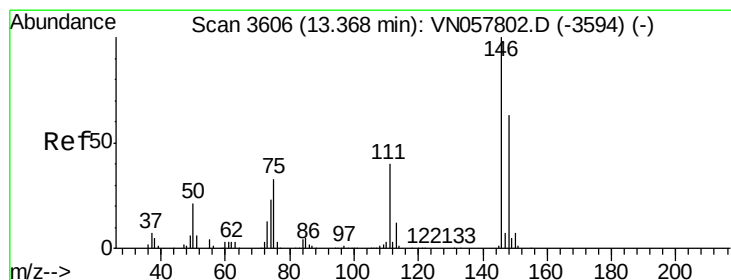
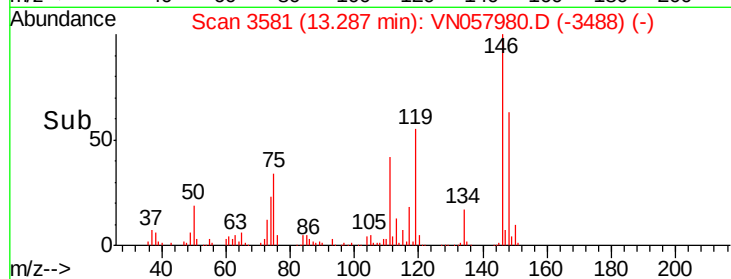
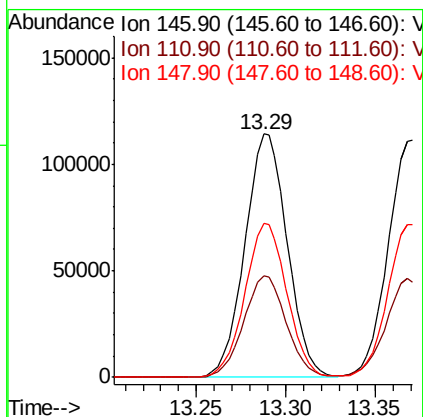
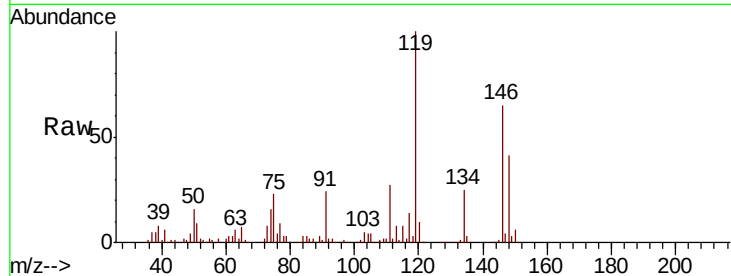




#87
 1,3-Dichlorobenzene
 Concen: 19.507 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

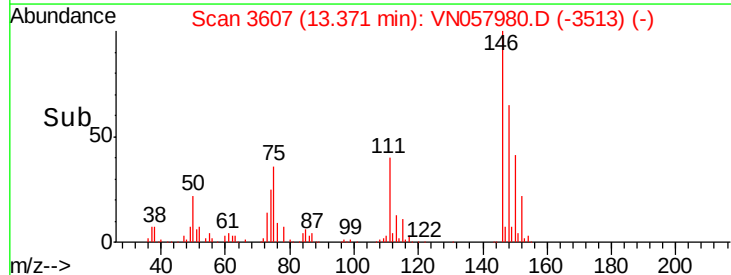
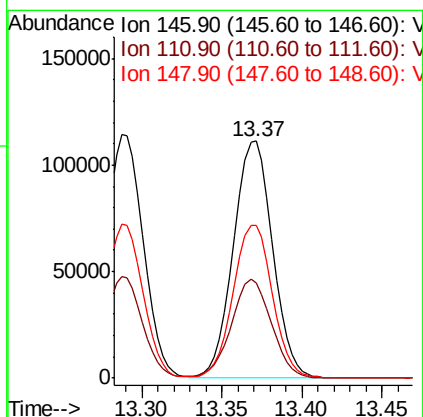
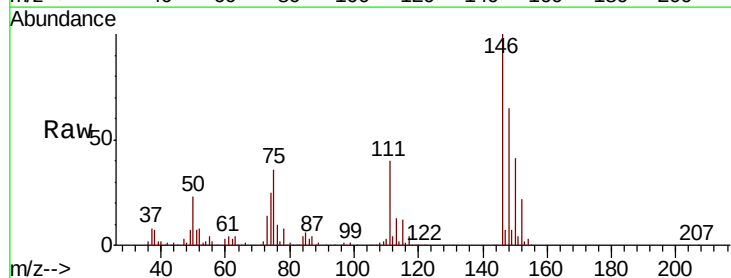
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

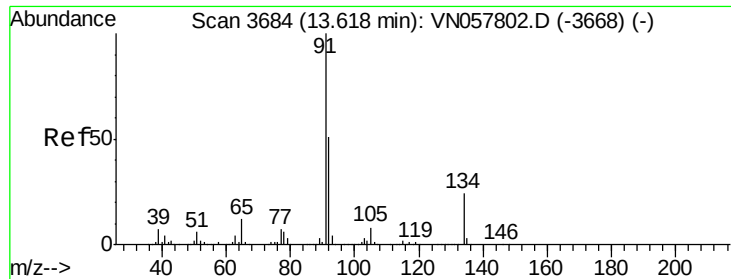
Tgt Ion:146 Resp: 189883
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.5 61.6
 148 62.7 31.5 94.5



#88
 1,4-Dichlorobenzene
 Concen: 18.757 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Tgt Ion:146 Resp: 185328
 Ion Ratio Lower Upper
 146 100
 111 43.0 20.4 61.2
 148 65.0 31.8 95.4





#89

n-Butylbenzene

Concen: 18.968 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

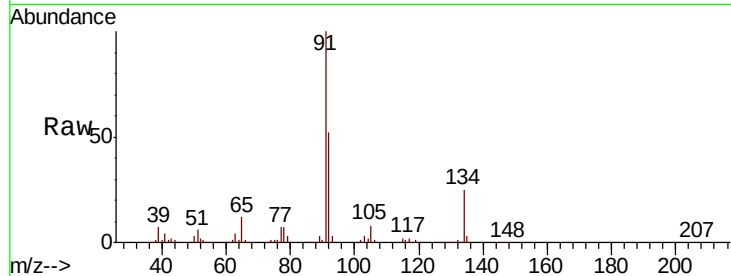
Tgt Ion: 91 Resp: 334185

Ion Ratio Lower Upper

91 100

92 50.5 25.7 77.0

134 24.3 11.9 35.7

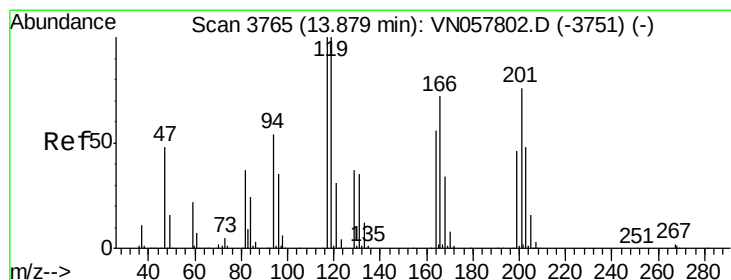
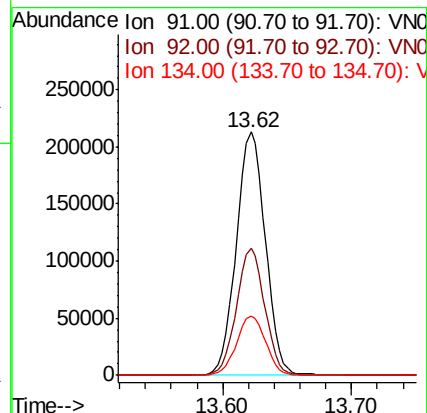
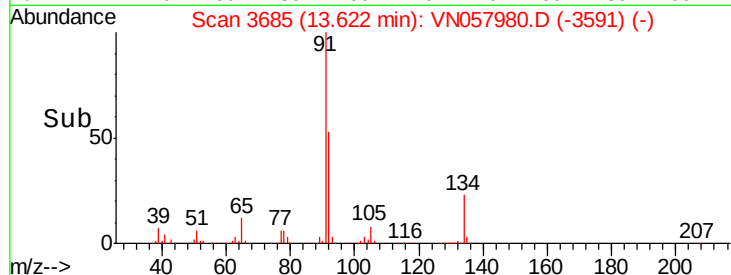


Abundance Ion 91.00 (90.70 to 91.70): VN057802.D (-3668) (-)

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

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

Time-->



#90

Hexachloroethane

Concen: 18.555 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN057980.D

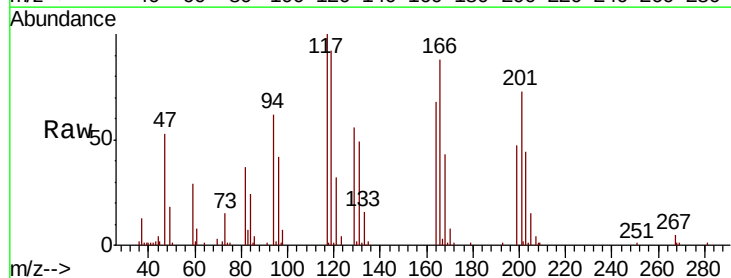
Acq: 12 Sep 2019 19:43

Tgt Ion: 117 Resp: 51483

Ion Ratio Lower Upper

117 100

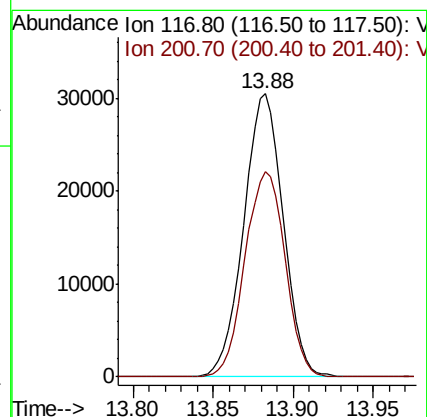
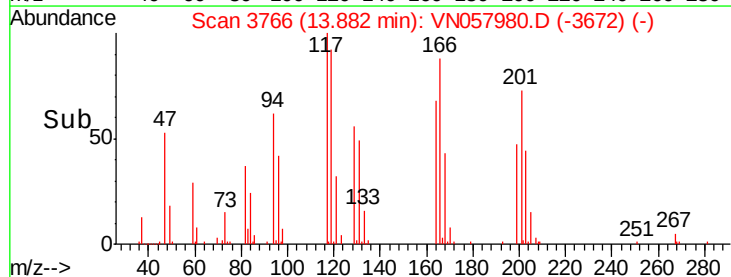
201 73.6 37.5 112.7

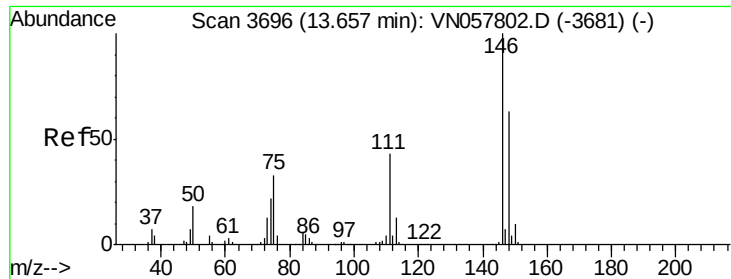


Abundance Ion 116.80 (116.50 to 117.50): VN057802.D (-3751) (-)

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

Time-->

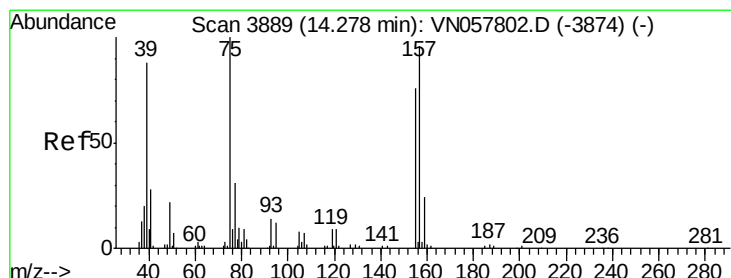
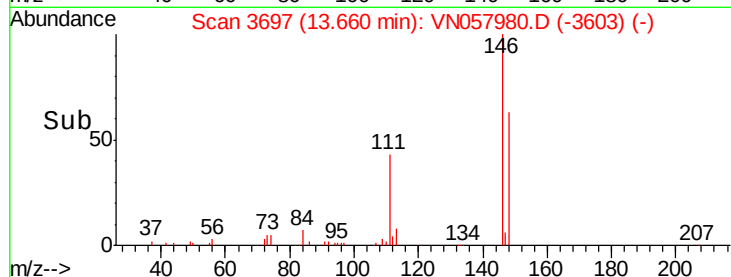
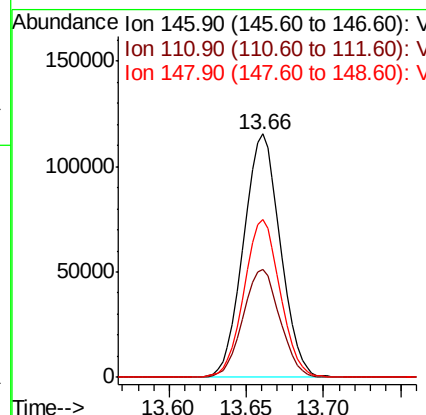
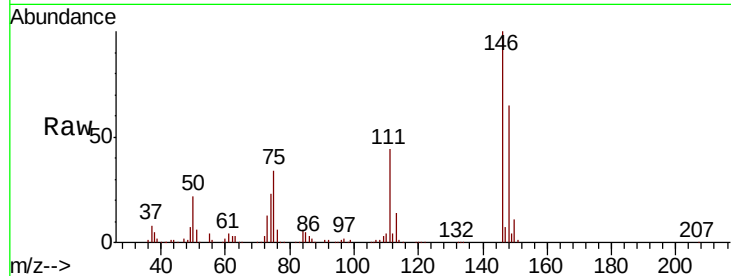




#91
 1,2-Dichlorobenzene
 Concen: 19.682 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

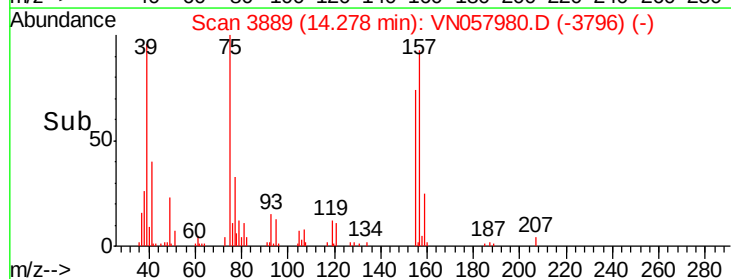
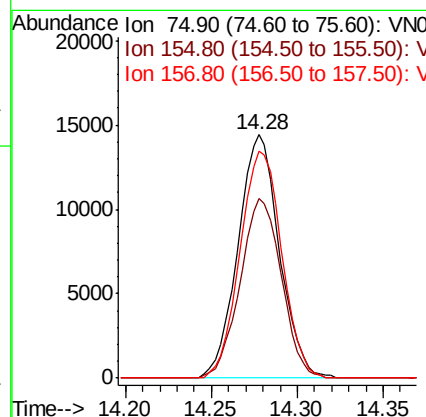
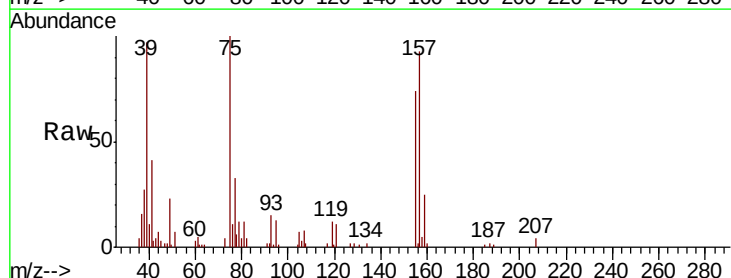
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

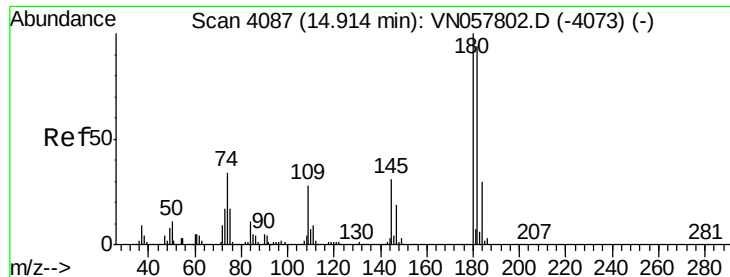
Tgt Ion: 146 Resp: 191398
 Ion Ratio Lower Upper
 146 100
 111 44.4 21.3 63.9
 148 63.7 31.4 94.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.451 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Tgt Ion: 75 Resp: 24187
 Ion Ratio Lower Upper
 75 100
 155 73.2 37.3 111.8
 157 93.7 47.9 143.8

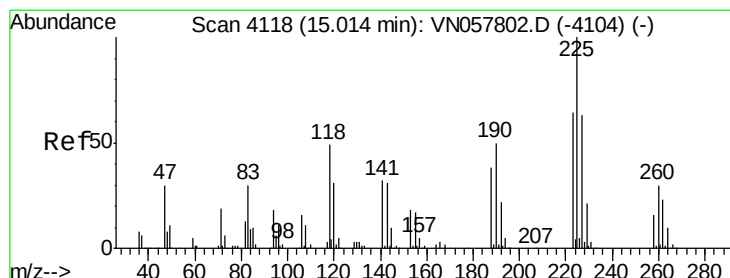
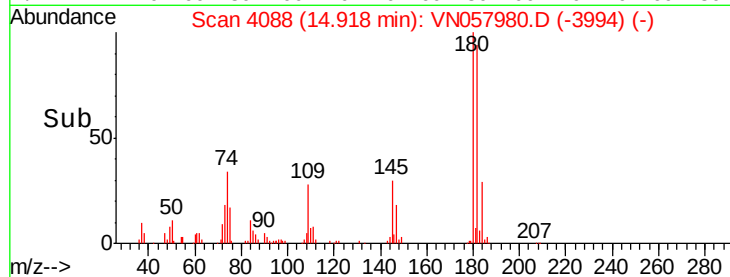
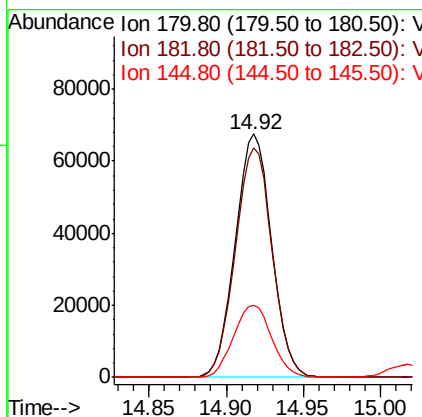
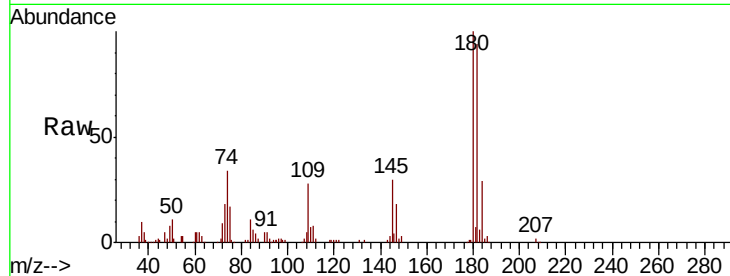




#93
 1,2,4-Trichlorobenzene
 Concen: 17.354 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

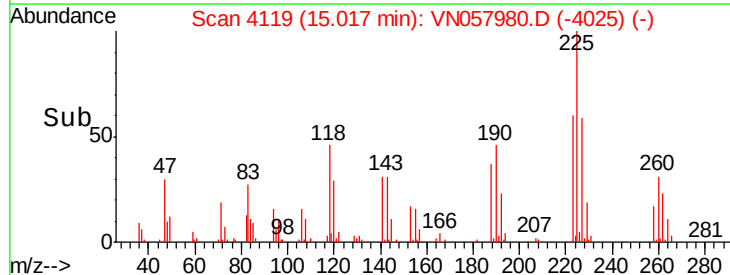
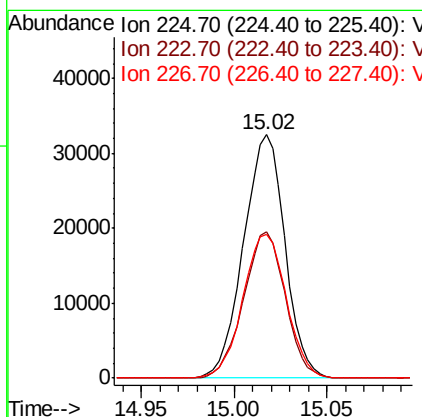
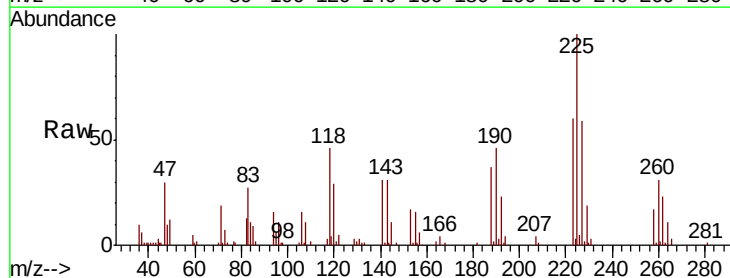
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

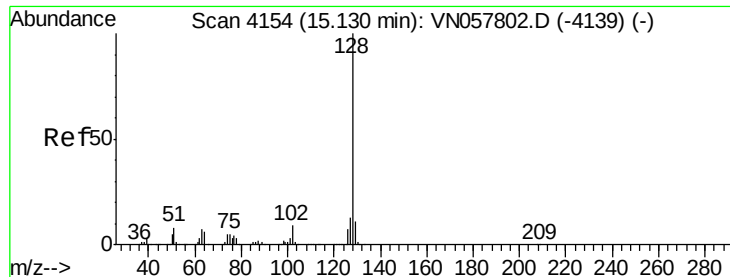
Tgt Ion:180 Resp: 110305
 Ion Ratio Lower Upper
 180 100
 182 95.6 46.9 140.8
 145 31.0 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 18.789 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Tgt Ion:225 Resp: 50625
 Ion Ratio Lower Upper
 225 100
 223 60.4 32.4 97.2
 227 62.0 31.8 95.4

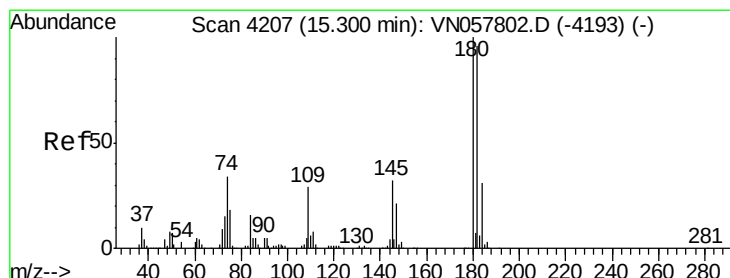
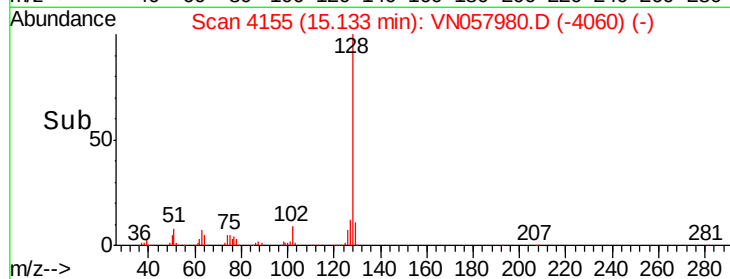
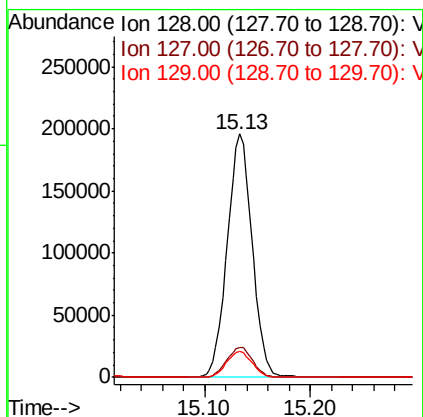
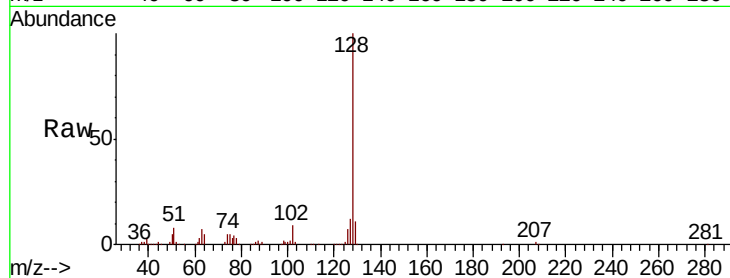




#95
Naphthalene
Concen: 18.965 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

Tgt Ion:128 Resp: 319973
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.530 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion:180 Resp: 104930
Ion Ratio Lower Upper
180 100
182 96.5 48.3 144.8
145 31.5 16.3 48.8

