

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058287.D
 Acq On : 23 Sep 2019 13:18
 Operator : JC/SP
 Sample : VN0923MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBS01

Quant Time: Sep 24 01:31:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	447656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	766557	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	685170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	321729	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	331920	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
35) Dibromofluoromethane	7.58	113	233101	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
50) Toluene-d8	10.09	98	908922	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.41	95	322287	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	66243	18.014	ug/l	98
3) Chloromethane	2.03	50	57833	19.778	ug/l	99
4) Vinyl Chloride	2.17	62	64456	20.255	ug/l	99
5) Bromomethane	2.55	94	33752	20.995	ug/l	90
6) Chloroethane	2.69	64	43134	20.698	ug/l	95
7) Trichlorofluoromethane	3.00	101	95850	19.096	ug/l	100
8) Diethyl Ether	3.39	74	43462	18.897	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.74	101	69392	19.174	ug/l	99
10) Methyl Iodide	3.93	142	56060	18.486	ug/l	98
11) Tert butyl alcohol	4.76	59	88645	119.522	ug/l #	89
12) 1,1-Dichloroethene	3.72	96	54448	19.609	ug/l	96
13) Acrolein	3.59	56	15019	136.646	ug/l	97
14) Allyl chloride	4.30	41	114111	19.270	ug/l	100
15) Acrylonitrile	4.97	53	225753	114.247	ug/l	99
16) Acetone	3.80	43	203970	96.376	ug/l	98
17) Carbon Disulfide	4.03	76	69920	18.260	ug/l	100
18) Methyl Acetate	4.30	43	127013	22.807	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	283347	20.759	ug/l	98
20) Methylene Chloride	4.54	84	76902	20.624	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	59541	19.651	ug/l	96
22) Diisopropyl ether	5.93	45	305746	20.325	ug/l	92
23) Vinyl Acetate	5.88	43	1105720	107.424	ug/l	99
24) 1,1-Dichloroethane	5.83	63	161386	20.101	ug/l	99
25) 2-Butanone	6.82	43	317844	110.235	ug/l	99
26) 2,2-Dichloropropane	6.81	77	120078	17.630	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	89008	19.607	ug/l	99
28) Bromochloromethane	7.18	49	83845	22.076	ug/l #	98
29) Tetrahydrofuran	7.19	42	201760	113.600	ug/l	99
30) Chloroform	7.36	83	173346	20.058	ug/l	99
31) Cyclohexane	7.64	56	107360	19.200	ug/l	94
32) 1,1,1-Trichloroethane	7.56	97	133970	20.363	ug/l	99
36) 1,1-Dichloropropene	7.78	75	98506	17.819	ug/l	99
37) Ethyl Acetate	6.91	43	126838	22.109	ug/l	98
38) Carbon Tetrachloride	7.76	117	106261	19.122	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	98904	18.549	ug/l	98
40) Benzene	8.03	78	321444	19.038	ug/l	99
41) Methacrylonitrile	7.16	41	62652	22.194	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	139140	19.639	ug/l	100
43) Isopropyl Acetate	8.15	43	213682	19.944	ug/l #	91
44) Trichloroethene	8.83	130	77729	18.812	ug/l	95
45) 1,2-Dichloropropane	9.11	63	101761	20.181	ug/l	98
46) Dibromomethane	9.20	93	62950	20.534	ug/l	96
47) Bromodichloromethane	9.40	83	130277	20.285	ug/l	98
48) Methyl methacrylate	9.19	41	102012	20.970	ug/l	99
49) 1,4-Dioxane	9.19	88	38124	477.330	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	696510	122.390	ug/l	98
52) Toluene	10.15	92	201260	19.020	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	128382	19.514	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	139560	19.214	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	96785	20.611	ug/l	97
56) Ethyl methacrylate	10.43	69	138707	20.472	ug/l	99
57) 1,3-Dichloropropane	10.71	76	162309	20.106	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	348968	108.131	ug/l	99
59) 2-Hexanone	10.75	43	494563	117.012	ug/l	99
60) Dibromochloromethane	10.90	129	90032	19.929	ug/l	98
61) 1,2-Dibromoethane	11.00	107	88240	20.276	ug/l	99
64) Tetrachloroethene	10.63	164	61554	18.429	ug/l	98
65) Chlorobenzene	11.44	112	232623	19.302	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	90046	20.606	ug/l	100
67) Ethyl Benzene	11.51	91	414131	20.055	ug/l	99
68) m/p-Xylenes	11.63	106	298601	38.393	ug/l	97
69) o-Xylene	11.95	106	149299	19.522	ug/l	99
70) Styrene	11.97	104	266364	20.215	ug/l	99
71) Bromoform	12.13	173	57299	20.009	ug/l #	99
73) Isopropylbenzene	12.26	105	426407	21.174	ug/l	100
74) N-amyl acetate	12.08	43	188465	22.371	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	152218	22.572	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	181615	31.542	ug/l #	100
77) Bromobenzene	12.53	156	99426	19.628	ug/l	95
78) n-propylbenzene	12.60	91	497297	21.731	ug/l	98
79) 2-Chlorotoluene	12.68	91	297191	20.780	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	360911	21.194	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	34576	21.586	ug/l	94
82) 4-Chlorotoluene	12.78	91	310132	20.629	ug/l	99
83) tert-Butylbenzene	13.00	119	322766	21.254	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	366472	21.625	ug/l	100
85) sec-Butylbenzene	13.18	105	425664	21.435	ug/l	99
86) p-Isopropyltoluene	13.30	119	380301	21.541	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	186454	20.152	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	188489	19.955	ug/l	99
89) n-Butylbenzene	13.62	91	334616	19.991	ug/l	99
90) Hexachloroethane	13.88	117	59806	21.050	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	192211	20.710	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	27619	22.749	ug/l	97

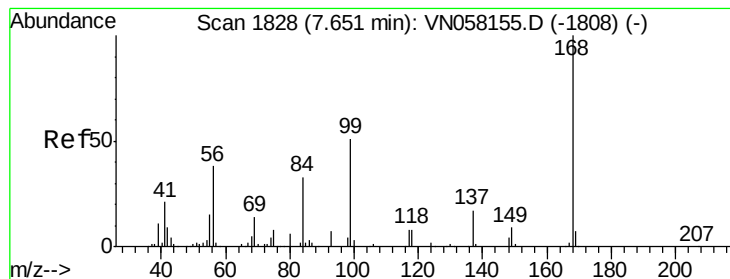
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092319\
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Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	114086	19.239	ug/l	99
94) Hexachlorobutadiene	15.02	225	52795	18.420	ug/l	99
95) Naphthalene	15.14	128	326186	21.225	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	109319	19.505	ug/l	99

(#) = 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: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

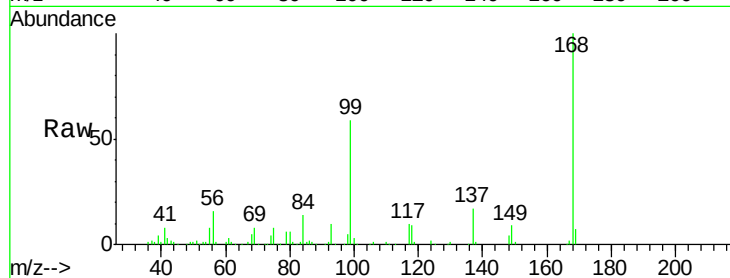
VN0923MBS01

Tot Ion:168 Resp: 447656

Ion Ratio Lower Upper

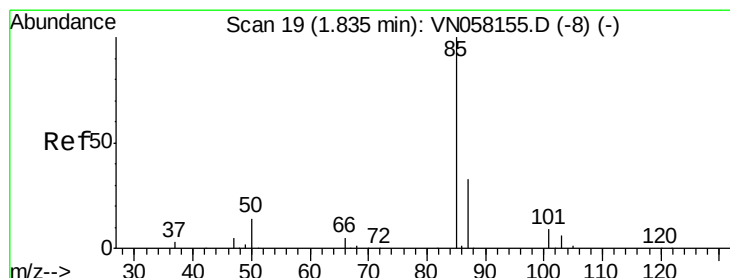
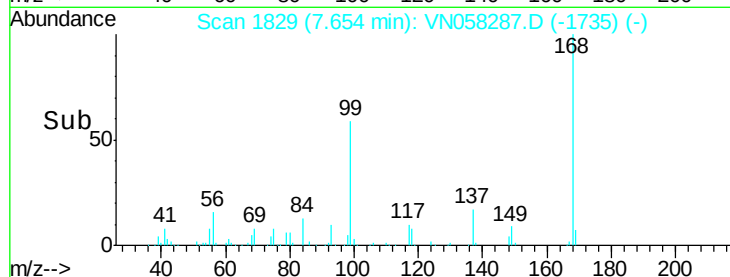
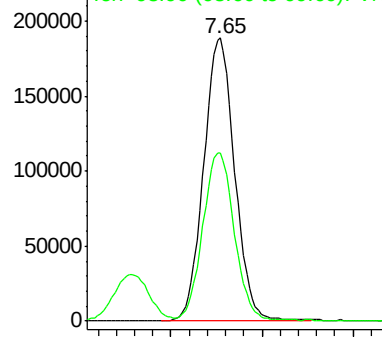
168 100

99 58.9 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.014 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058287.D

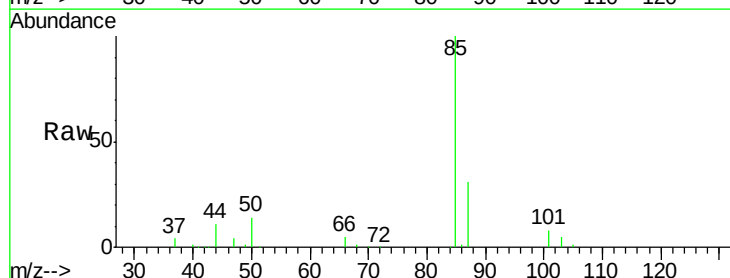
Acq: 23 Sep 2019 13:18

Tgt Ion: 85 Resp: 66243

Ion Ratio Lower Upper

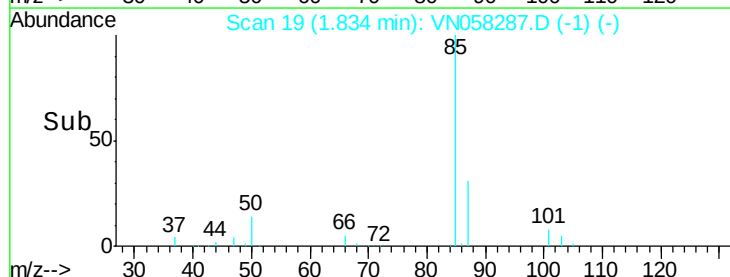
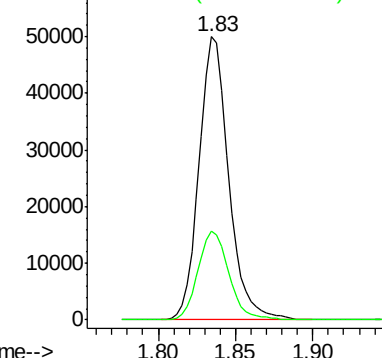
85 100

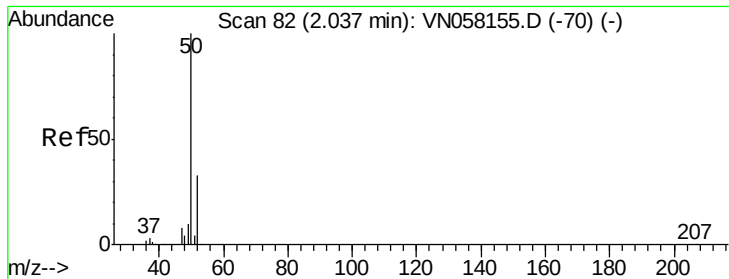
87 31.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.778 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

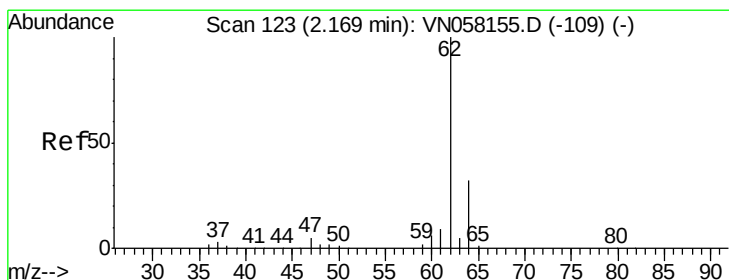
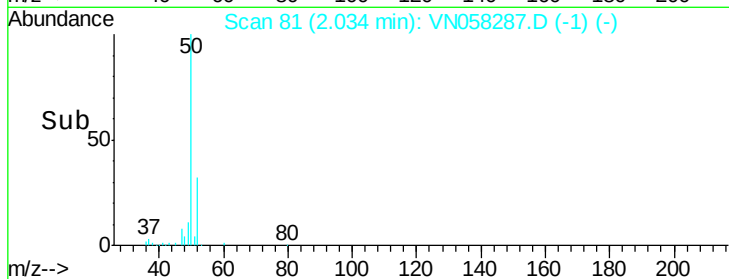
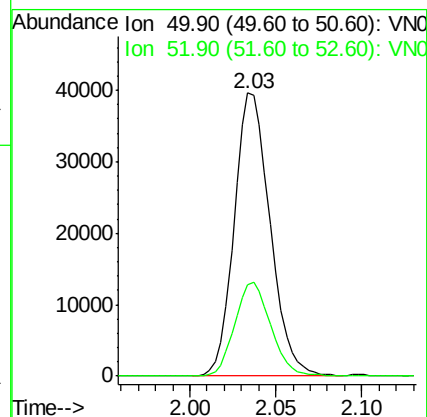
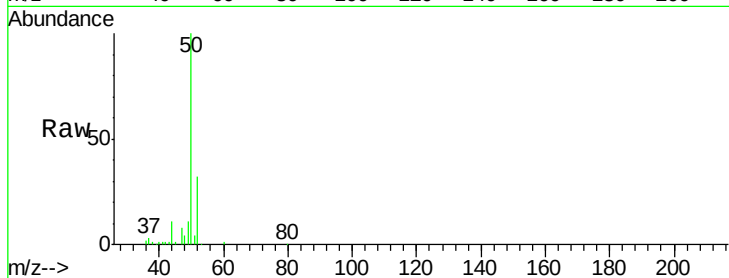
VN0923MBS01

Tot Ion: 50 Resp: 57833

Ion Ratio Lower Upper

50 100

52 32.4 26.3 39.5



#4

Vinyl Chloride

Concen: 20.255 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058287.D

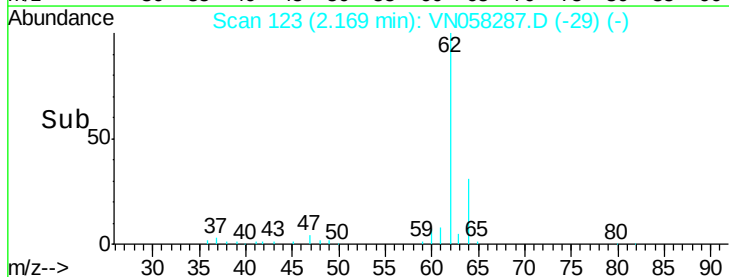
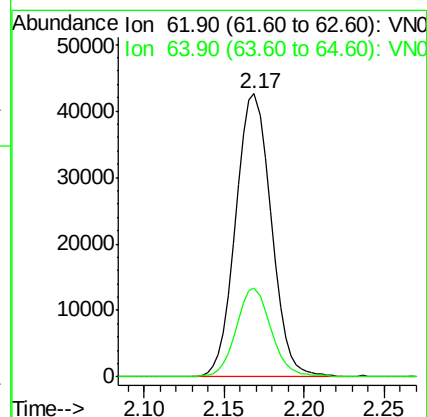
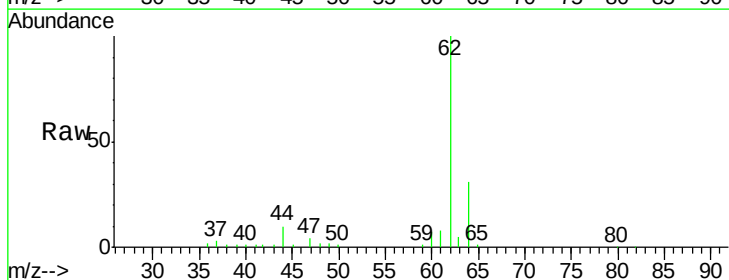
Acq: 23 Sep 2019 13:18

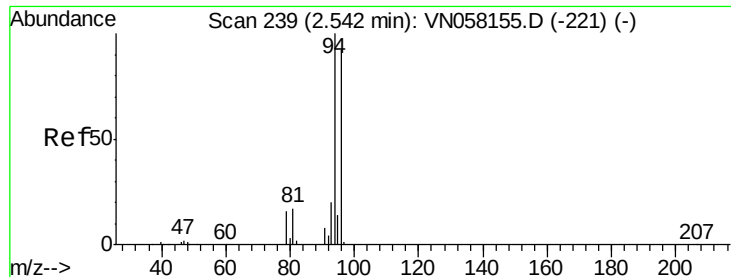
Tgt Ion: 62 Resp: 64456

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.2





#5

Bromomethane

Concen: 20.995 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

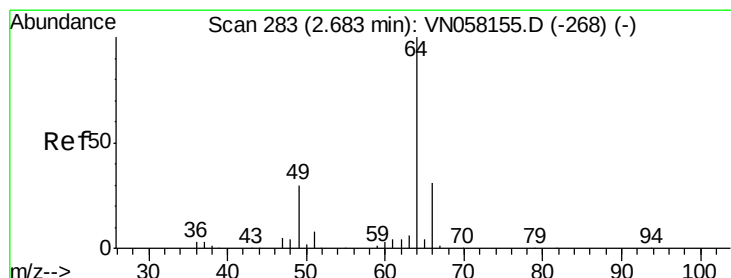
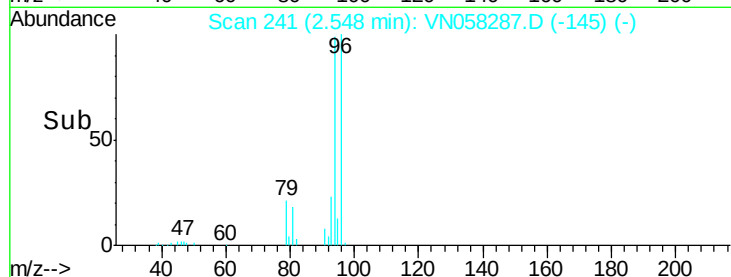
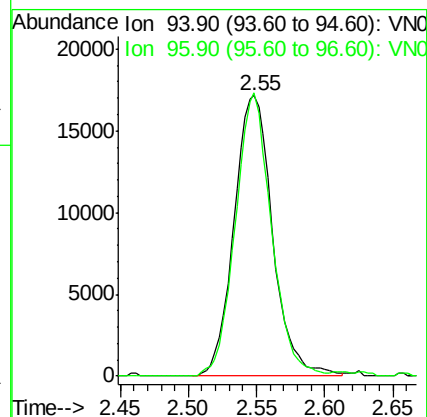
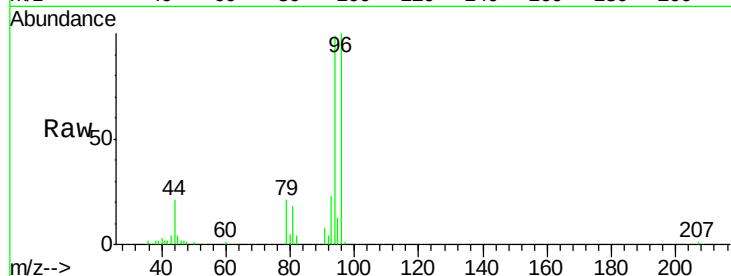
VN0923MBS01

Tot Ion: 94 Resp: 33752

Ion Ratio Lower Upper

94 100

96 100.9 73.3 109.9



#6

Chloroethane

Concen: 20.698 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058287.D

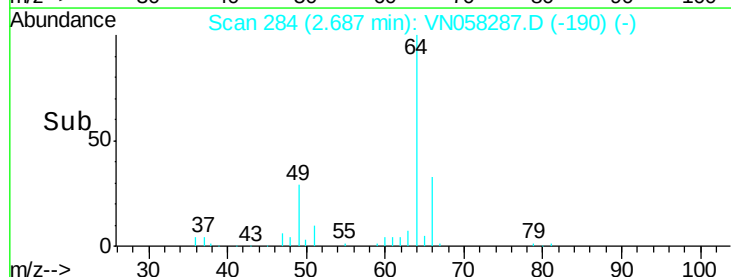
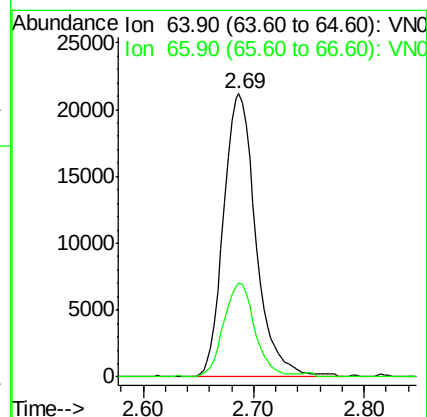
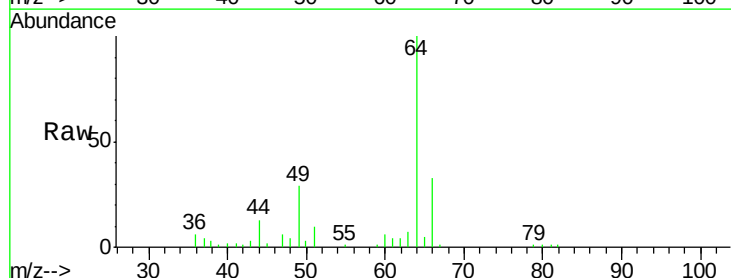
Acq: 23 Sep 2019 13:18

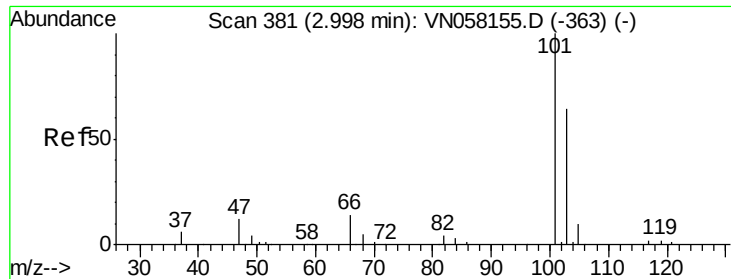
Tgt Ion: 64 Resp: 43134

Ion Ratio Lower Upper

64 100

66 33.3 24.6 37.0



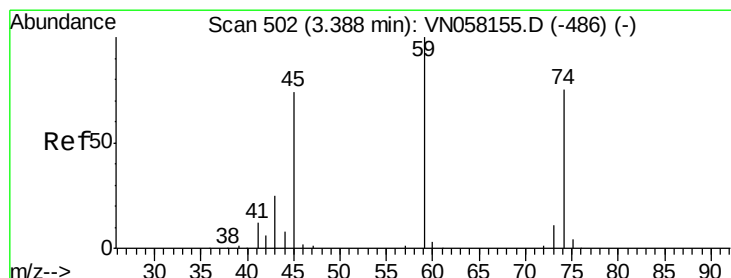
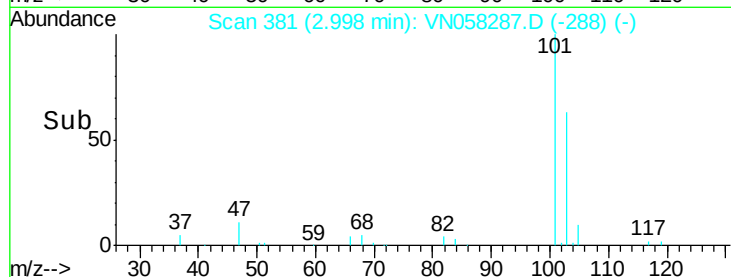
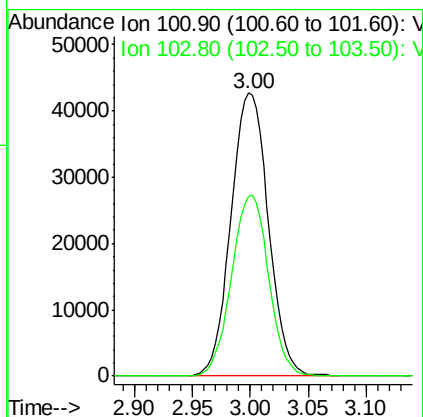
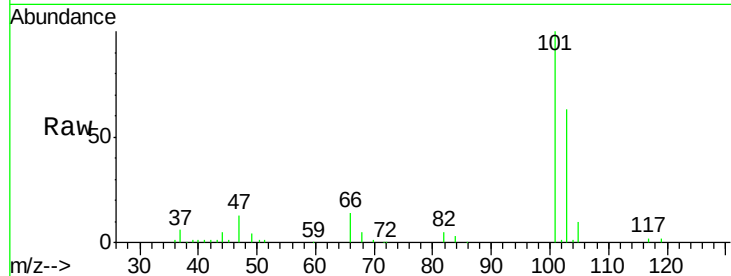


#7

Trichlorofluoromethane
 Concen: 19.096 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBS01

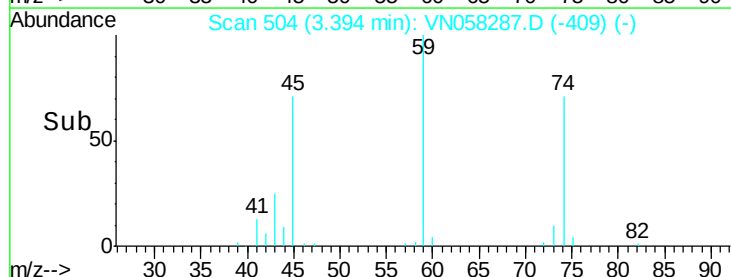
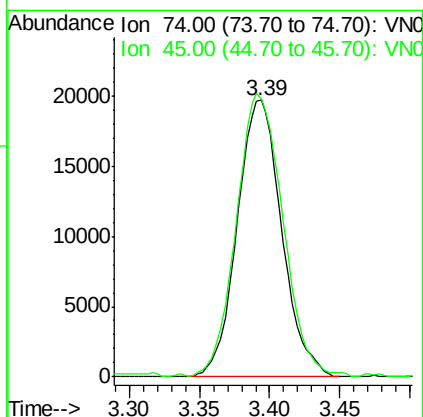
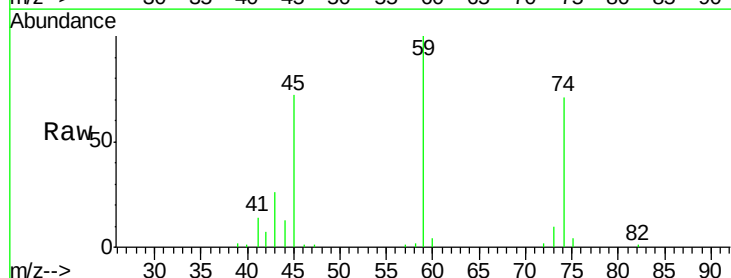
Tot Ion:101 Resp: 95850
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.0 76.6

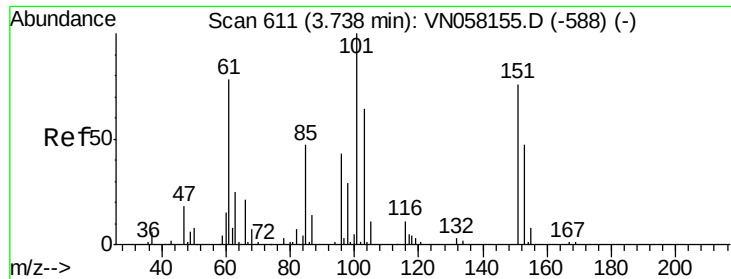


#8

Diethyl Ether
 Concen: 18.897 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion: 74 Resp: 43462
 Ion Ratio Lower Upper
 74 100
 45 107.4 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.174 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBS01

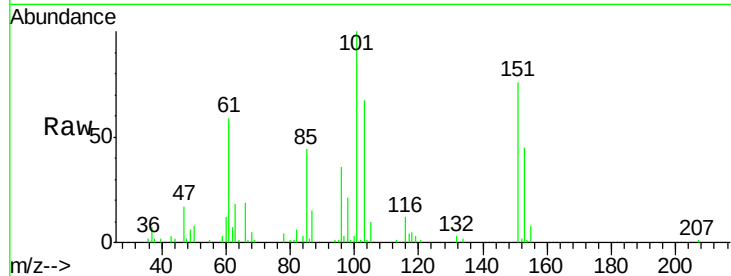
Tot Ion:101 Resp: 69392

Ion Ratio Lower Upper

101 100

85 46.6 37.3 55.9

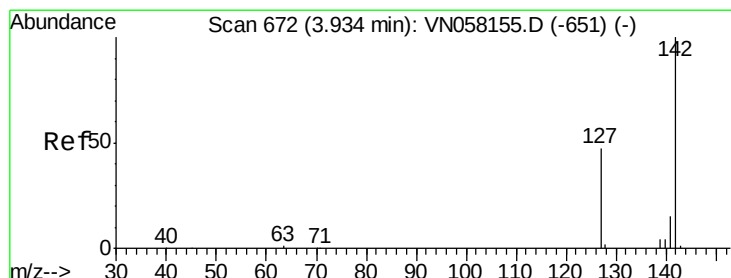
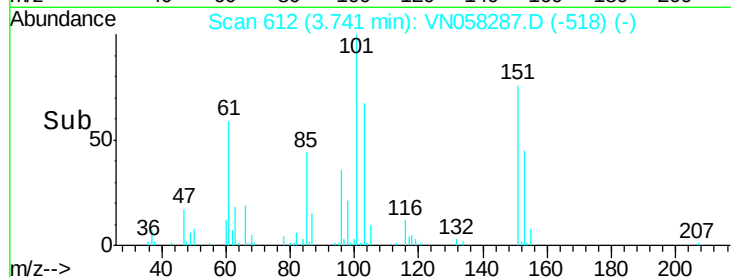
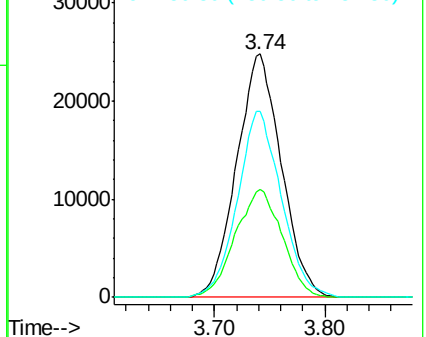
151 75.4 59.6 89.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.486 ug/l

RT: 3.93 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

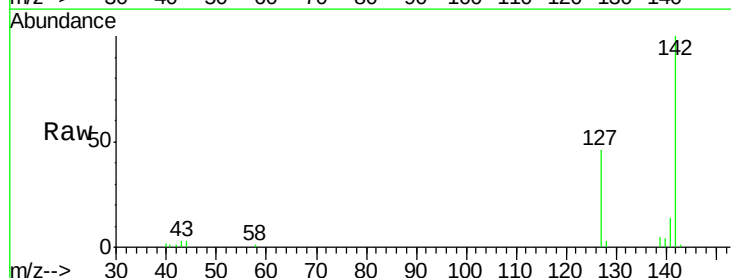
Tgt Ion:142 Resp: 56060

Ion Ratio Lower Upper

142 100

127 45.4 37.5 56.3

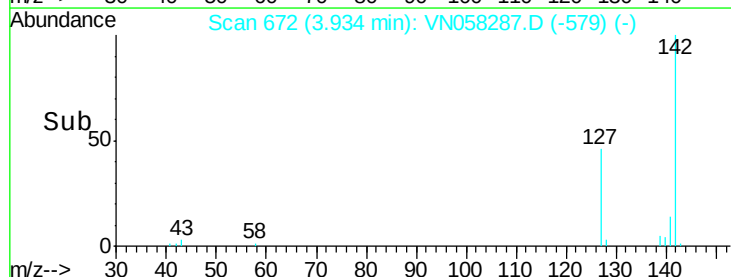
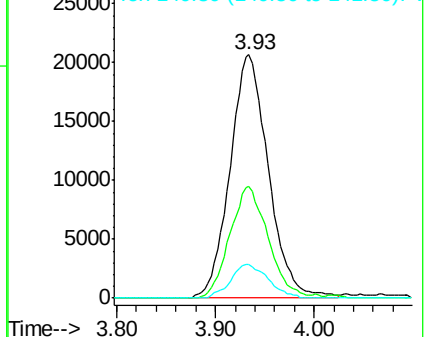
141 13.5 11.4 17.2

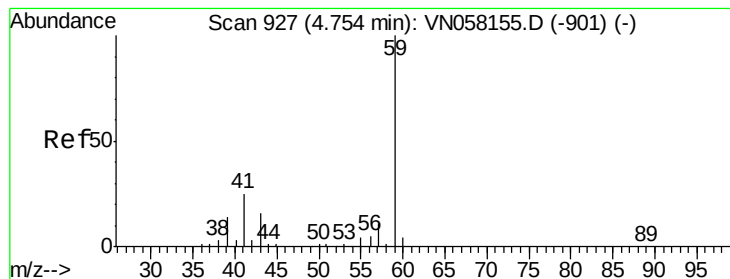


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



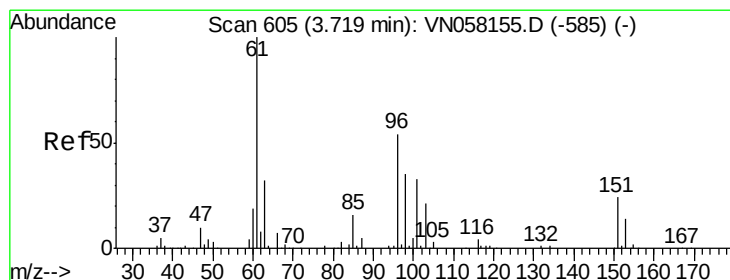
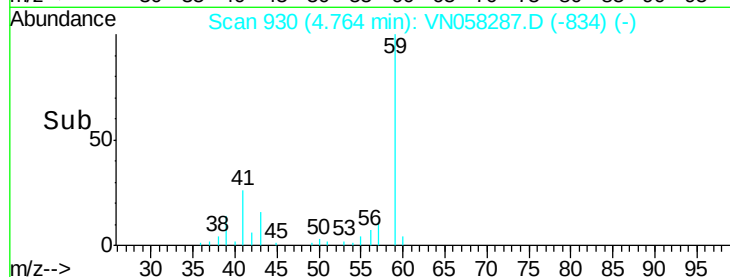
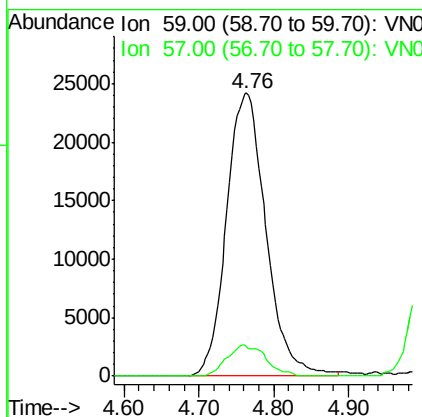
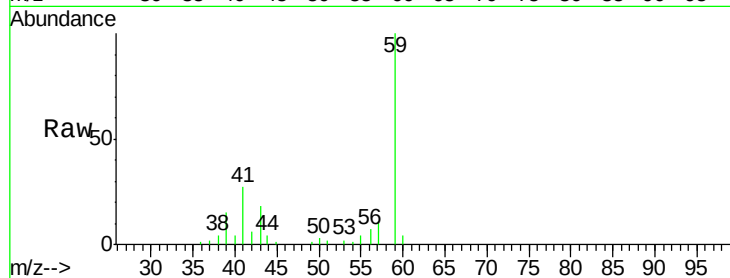


#11

Tert butyl alcohol
 Concen: 119.522 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923MBS01

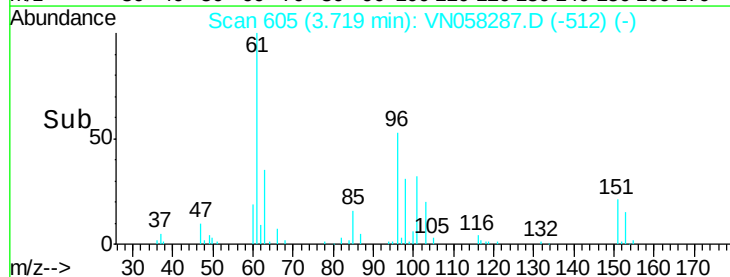
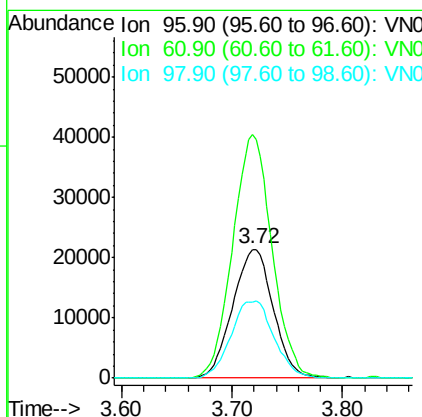
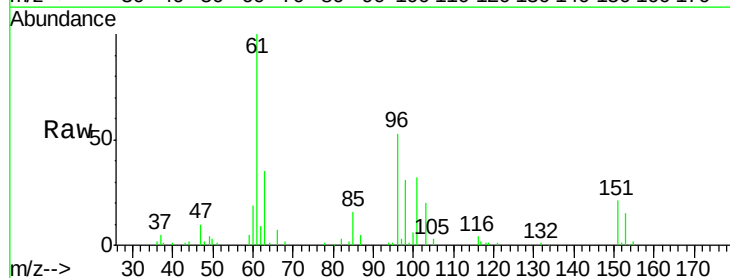
Tot Ion: 59 Resp: 88645
 Ion Ratio Lower Upper
 59 100
 57 6.7 8.6 13.0#

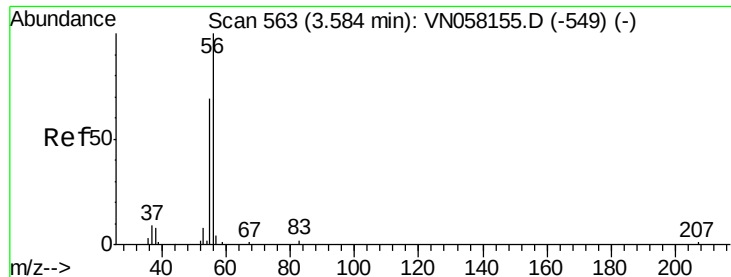


#12

1,1-Dichloroethene
 Concen: 19.609 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion: 96 Resp: 54448
 Ion Ratio Lower Upper
 96 100
 61 189.6 149.5 224.3
 98 58.8 52.4 78.6





#13

Acrolein

Concen: 136.646 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.01 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

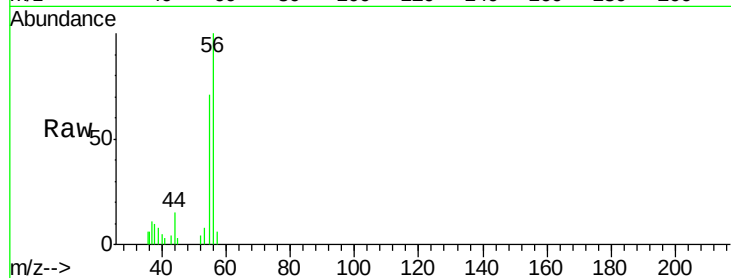
VN0923MBS01

Tot Ion: 56 Resp: 15019

Ion Ratio Lower Upper

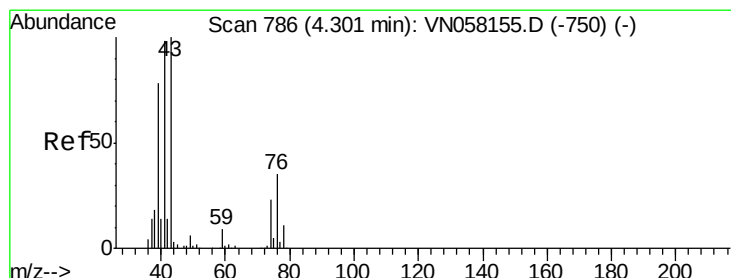
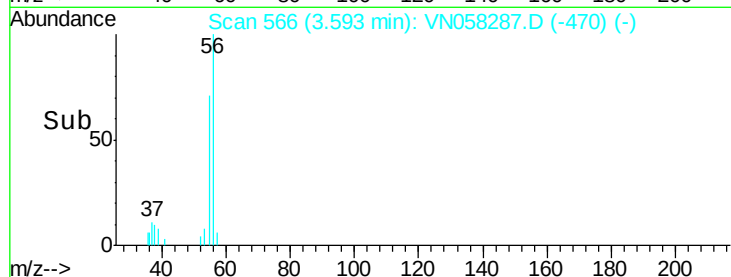
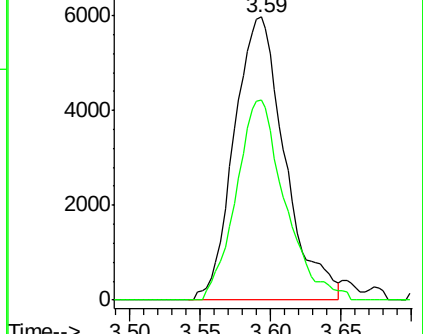
56 100

55 68.0 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.270 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

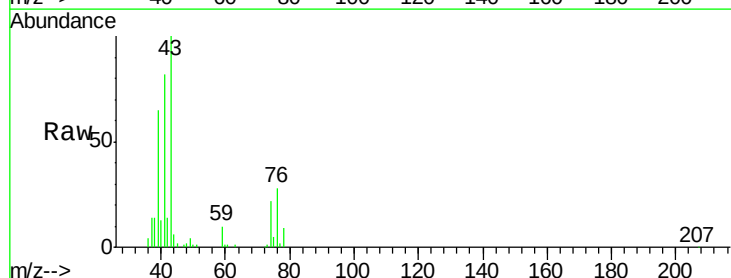
Tgt Ion: 41 Resp: 114111

Ion Ratio Lower Upper

41 100

39 73.7 59.1 88.7

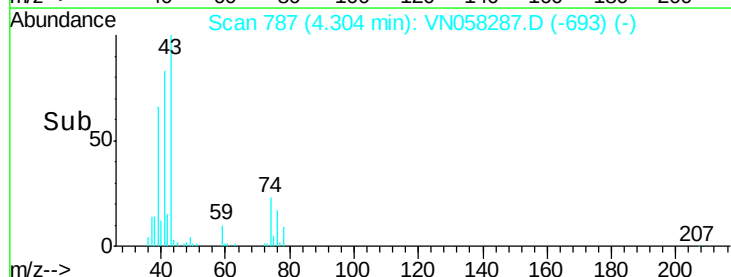
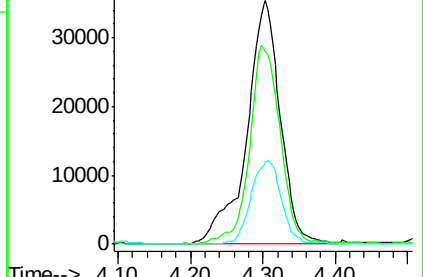
76 30.9 25.1 37.7

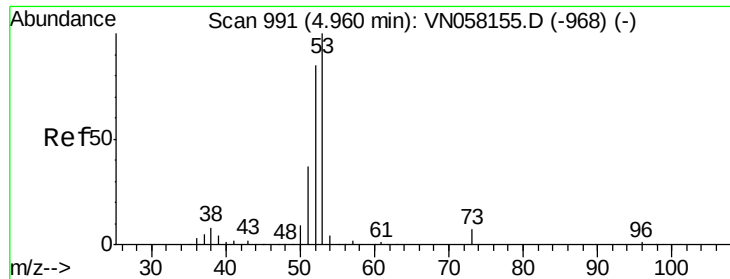


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 114.247 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.01 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBS01

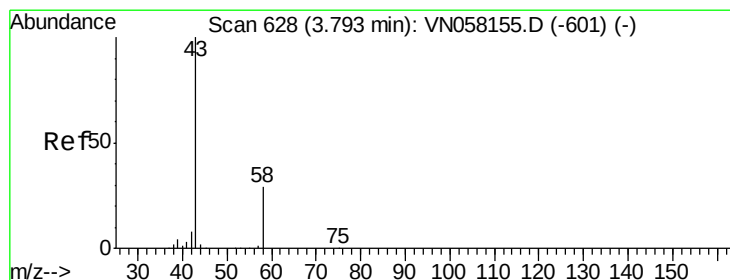
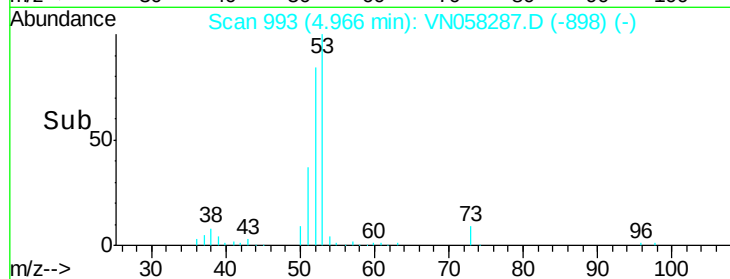
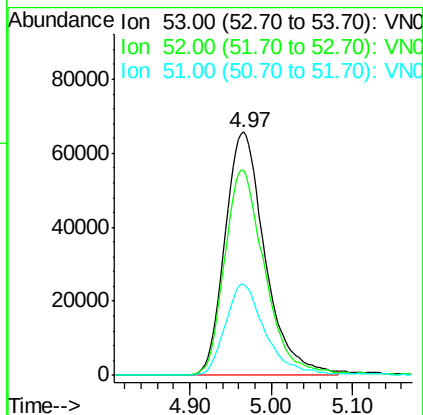
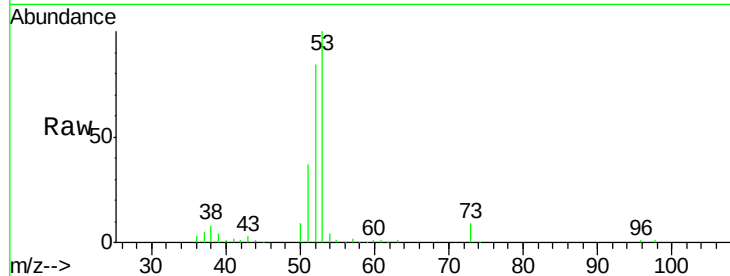
Tot Ion: 53 Resp: 225753

Ion Ratio Lower Upper

53 100

52 84.3 66.6 100.0

51 37.3 29.7 44.5



#16

Acetone

Concen: 96.376 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058287.D

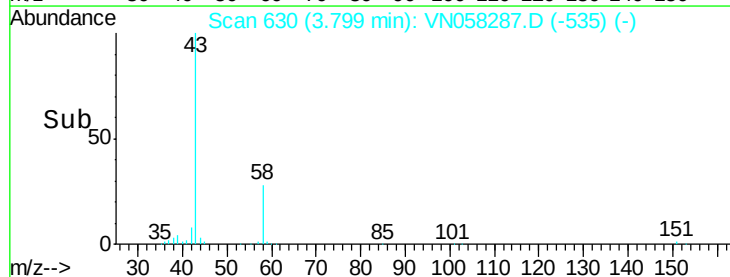
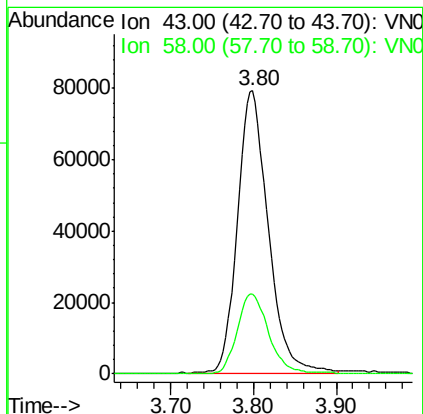
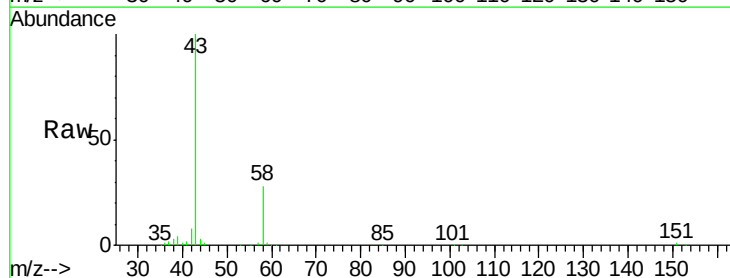
Acq: 23 Sep 2019 13:18

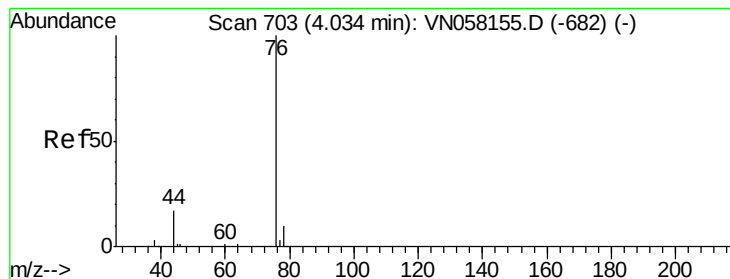
Tgt Ion: 43 Resp: 203970

Ion Ratio Lower Upper

43 100

58 28.3 23.4 35.2





#17

Carbon Disulfide

Concen: 18.260 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

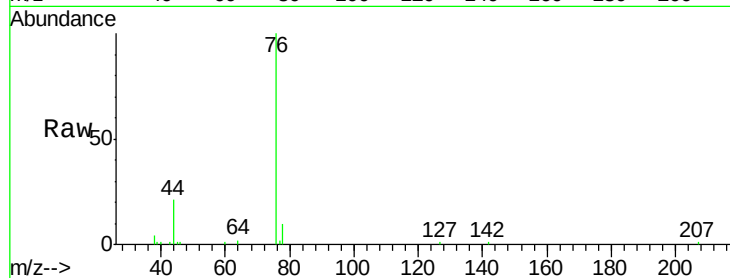
VN0923MBS01

Tot Ion: 76 Resp: 69920

Ion Ratio Lower Upper

76 100

78 9.5 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

25000

20000

15000

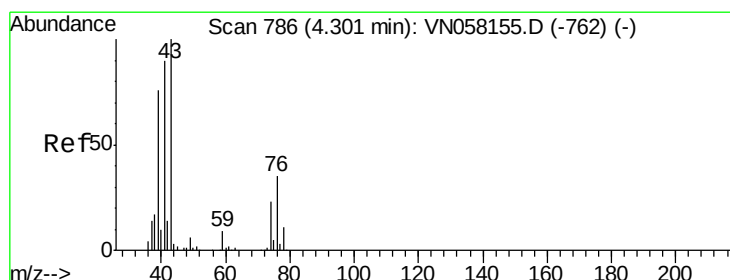
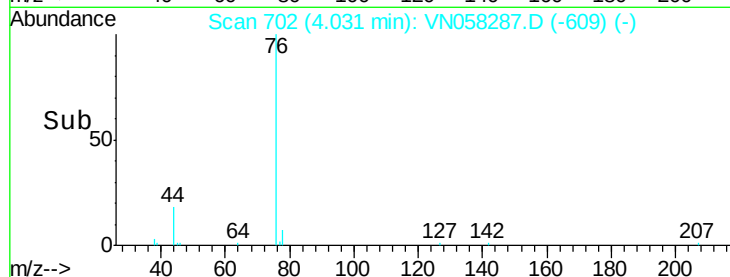
10000

5000

0

3.95 4.00 4.05 4.10

Time-->



#18

Methyl Acetate

Concen: 22.807 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058287.D

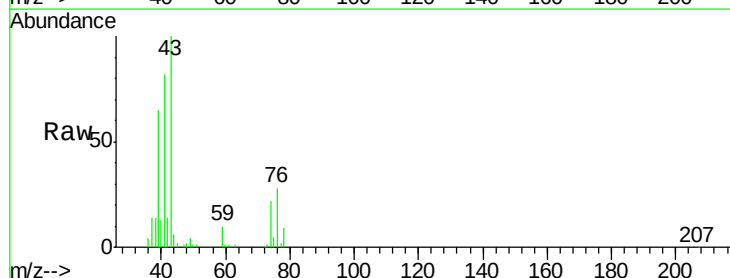
Acq: 23 Sep 2019 13:18

Tgt Ion: 43 Resp: 127013

Ion Ratio Lower Upper

43 100

74 22.0 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

50000

40000

30000

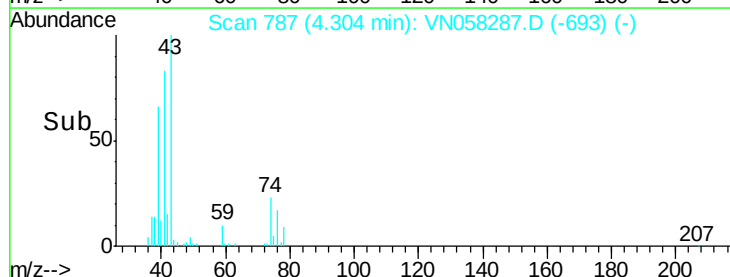
20000

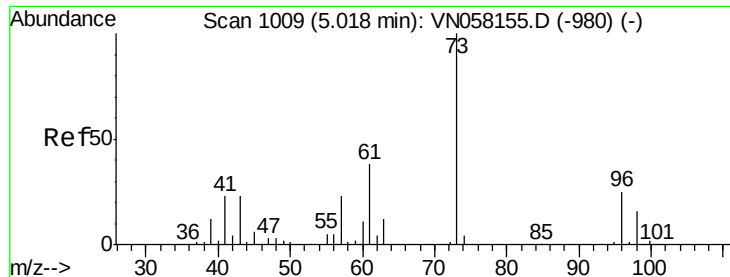
10000

0

4.20 4.30 4.40

Time-->

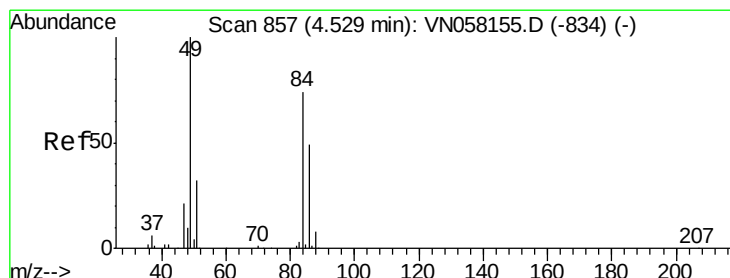
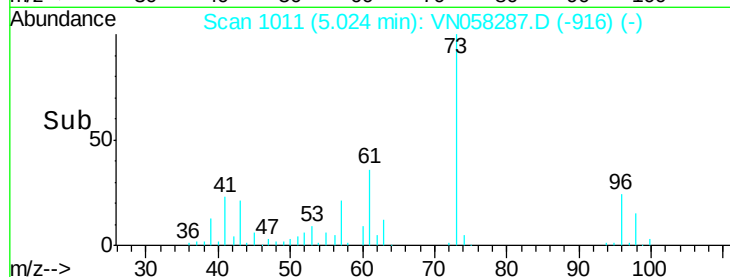
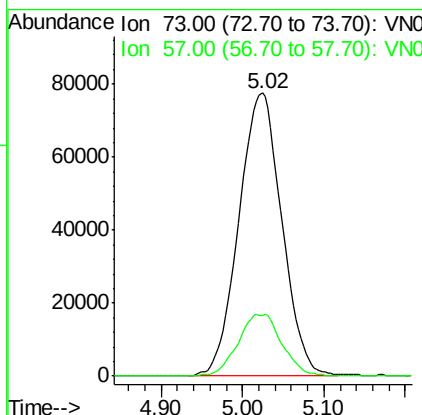
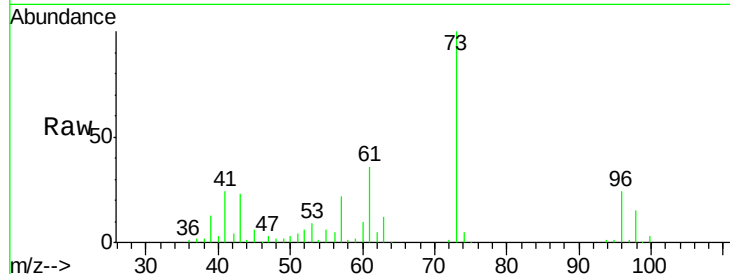




#19
Methyl tert-butyl Ether
Concen: 20.759 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

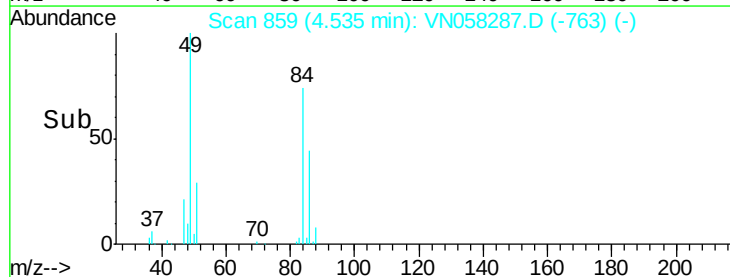
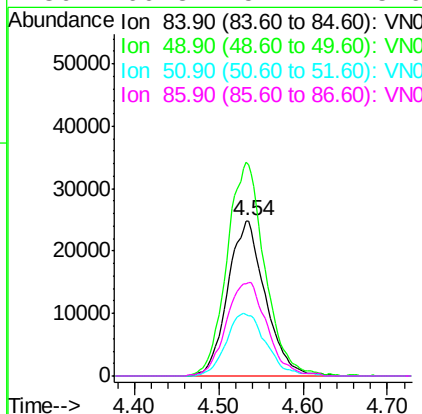
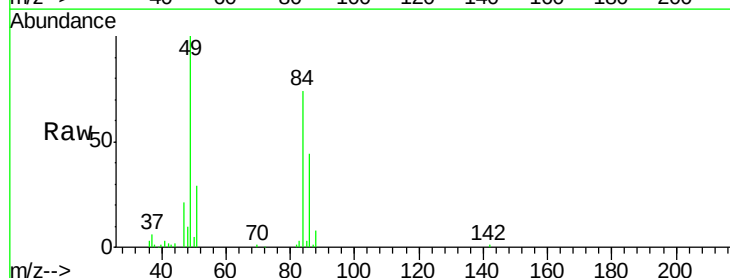
Instrument :
MSVOA_N
ClientSampled :
VN0923MBS01

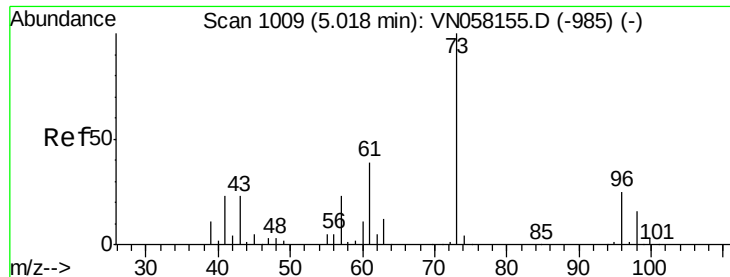
Tot Ion: 73 Resp: 283347
Ion Ratio Lower Upper
73 100
57 21.6 18.1 27.1



#20
Methylene Chloride
Concen: 20.624 ug/l
RT: 4.54 min Scan# 859
Delta R.T. 0.01 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Tgt Ion: 84 Resp: 76902
Ion Ratio Lower Upper
84 100
49 136.0 107.5 161.3
51 39.1 33.9 50.9
86 60.3 52.4 78.6

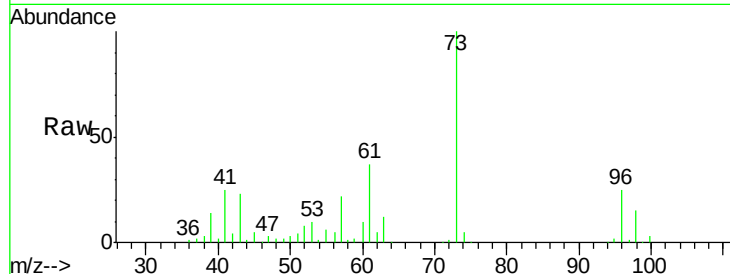




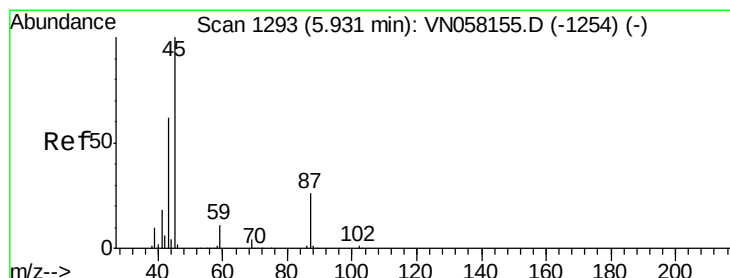
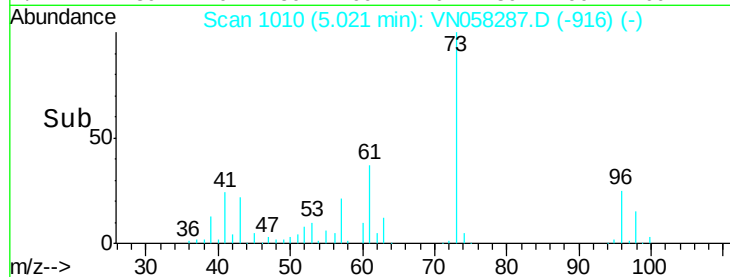
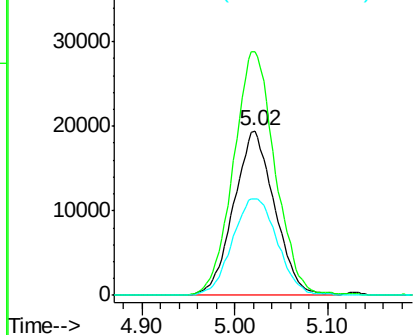
#21
trans-1,2-Dichloroethene
Concen: 19.651 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBS01

Tot Ion: 96 Resp: 59541
Ion Ratio Lower Upper
96 100
61 148.1 122.2 183.4
98 58.5 49.9 74.9

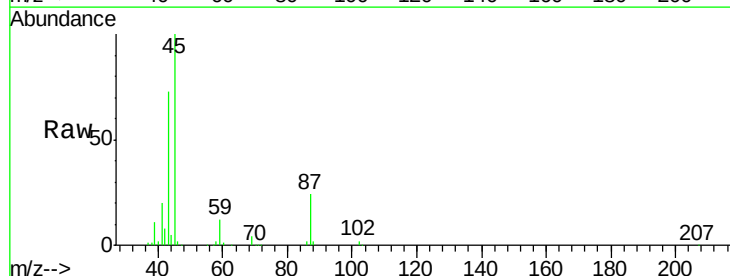


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

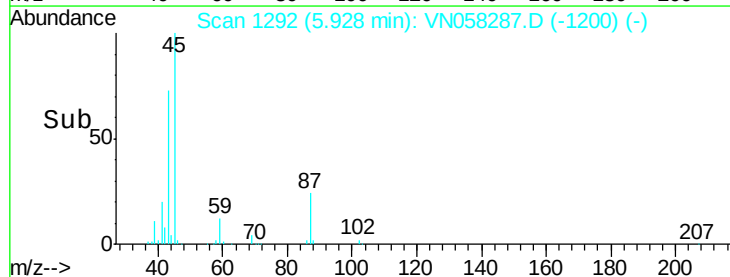
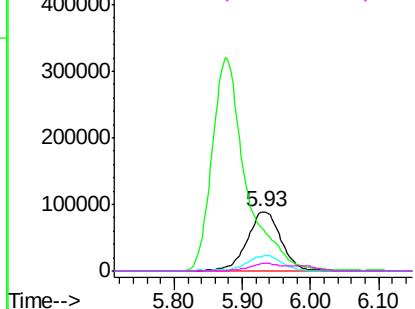


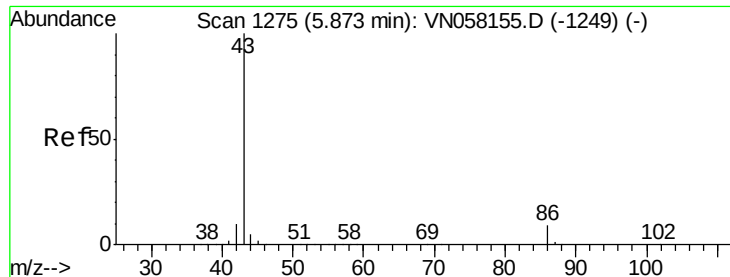
#22
Diisopropyl ether
Concen: 20.325 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Tgt Ion: 45 Resp: 305746
Ion Ratio Lower Upper
45 100
43 71.1 49.7 74.5
87 24.1 20.7 31.1
59 11.8 9.1 13.7



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





#23

Vinyl Acetate

Concen: 107.424 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

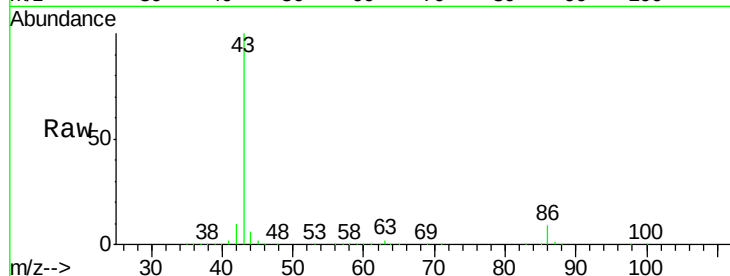
VN0923MBS01

Tot Ion: 43 Resp: 1105720

Ion Ratio Lower Upper

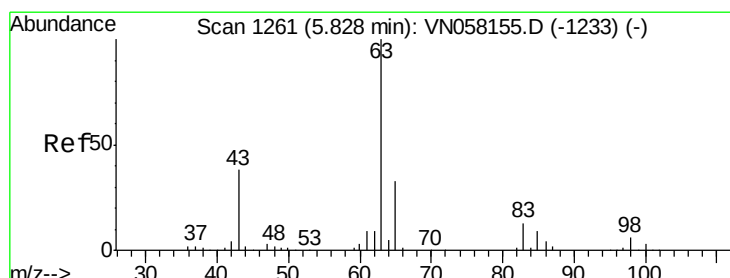
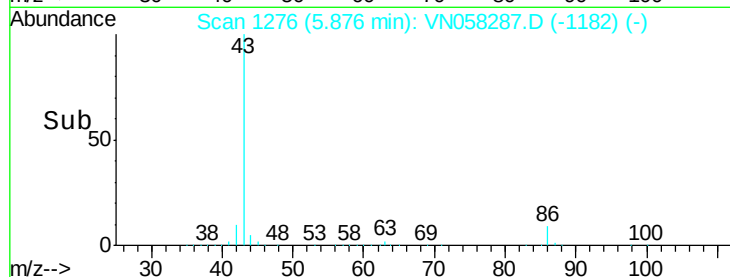
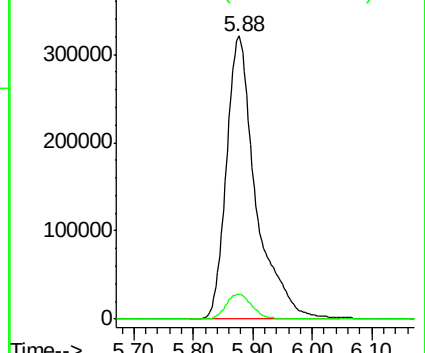
43 100

86 8.9 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.101 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

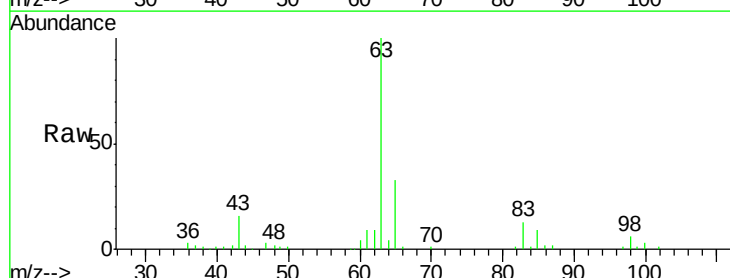
Tgt Ion: 63 Resp: 161386

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

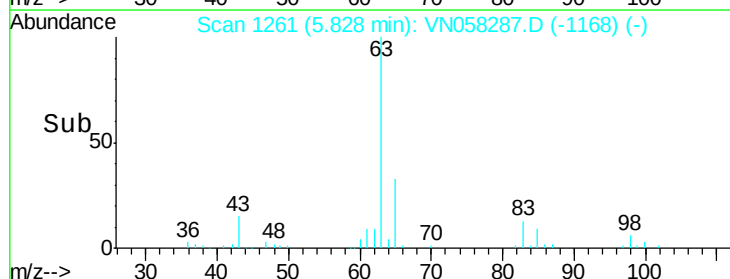
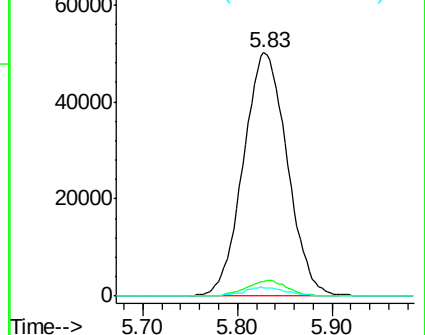
100 3.5 1.8 5.3

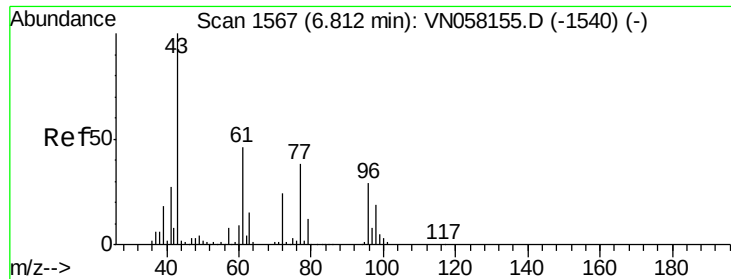


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 110.235 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

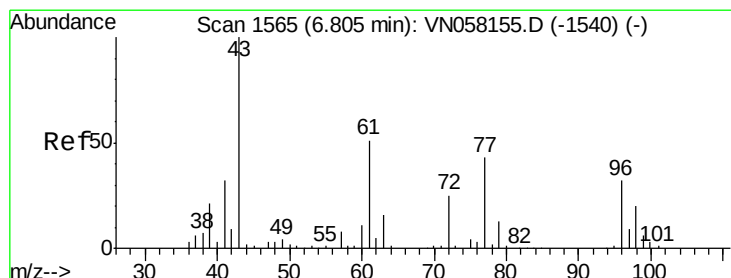
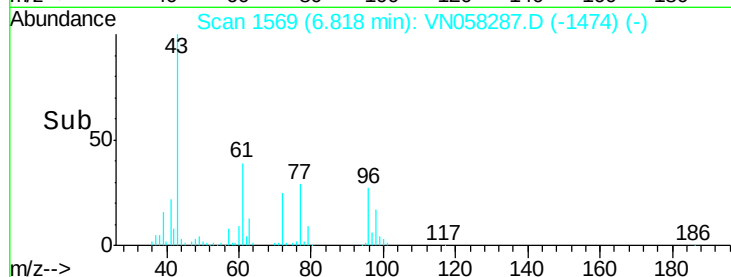
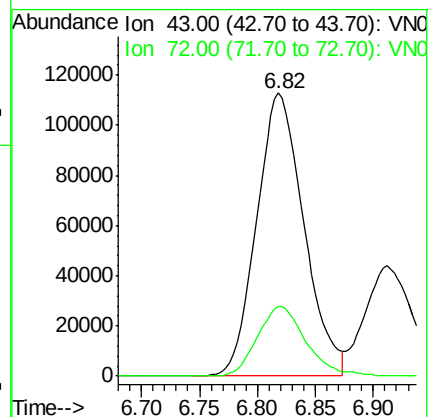
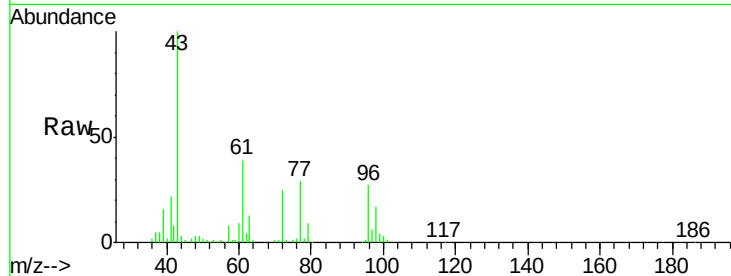
VN0923MBS01

Tot Ion: 43 Resp: 317844

Ion Ratio Lower Upper

43 100

72 24.8 19.5 29.3



#26

2,2-Dichloropropane

Concen: 17.630 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058287.D

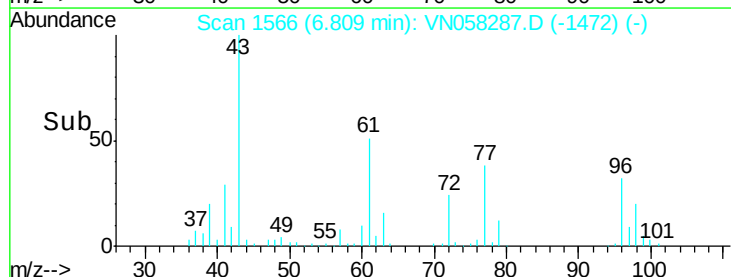
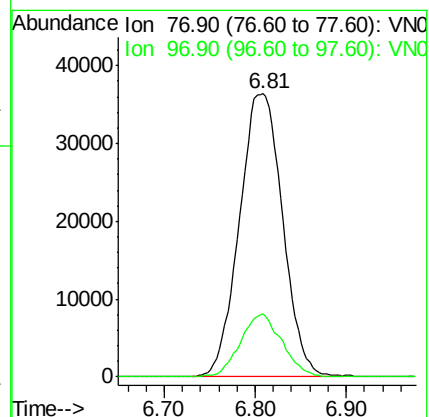
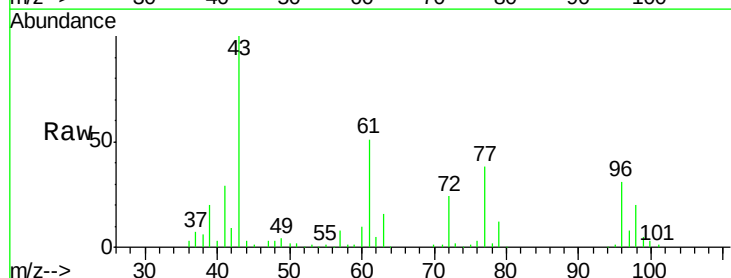
Acq: 23 Sep 2019 13:18

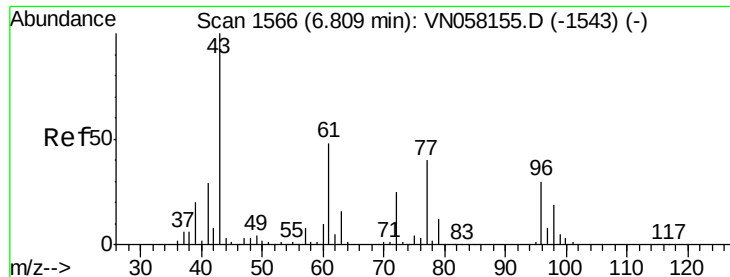
Tgt Ion: 77 Resp: 120078

Ion Ratio Lower Upper

77 100

97 21.3 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 19.607 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampled :

VN0923MBS01

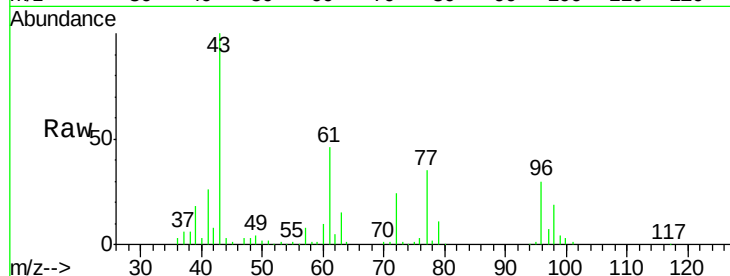
Tot Ion: 96 Resp: 89008

Ion Ratio Lower Upper

96 100

61 161.2 0.0 319.0

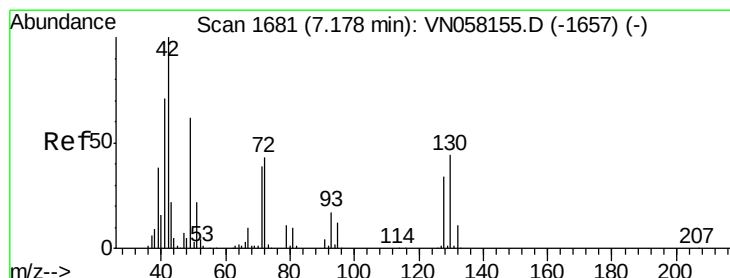
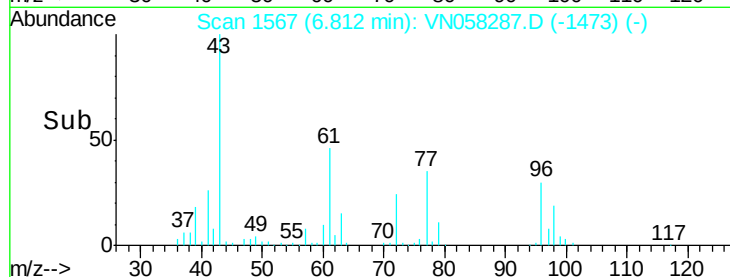
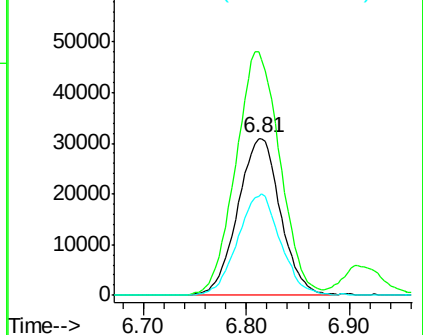
98 64.7 0.0 126.6



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: 22.076 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

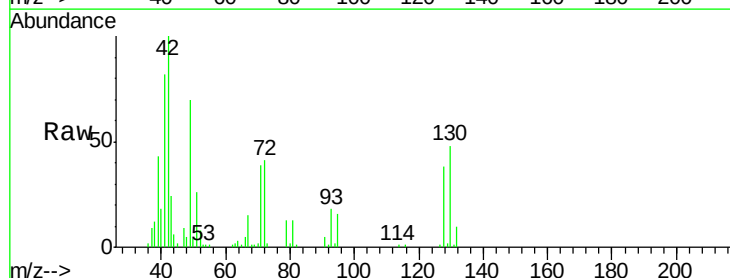
Tgt Ion: 49 Resp: 83845

Ion Ratio Lower Upper

49 100

129 1.9 0.0 1.8#

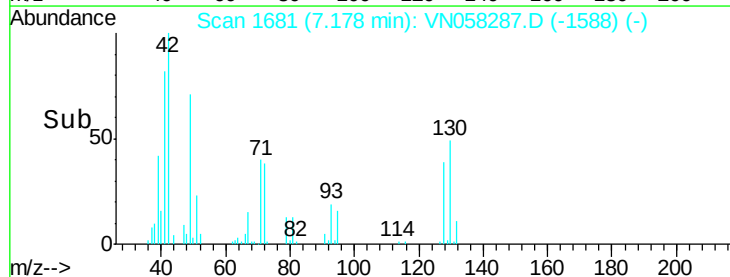
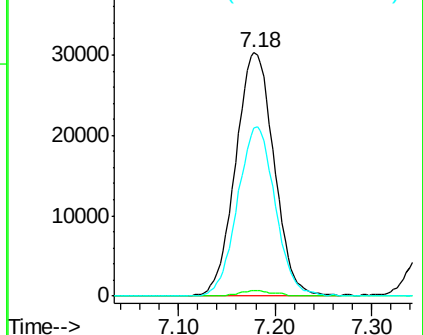
130 68.0 55.4 83.2

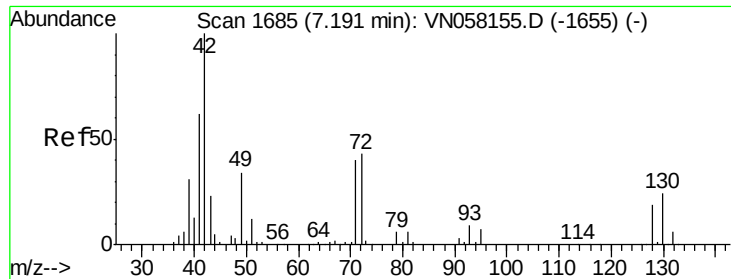


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

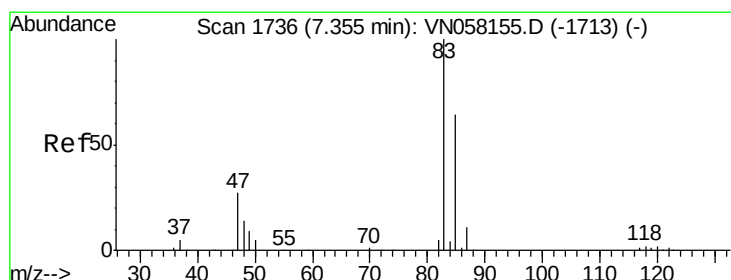
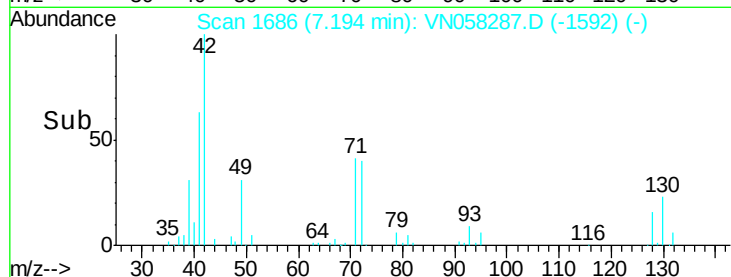
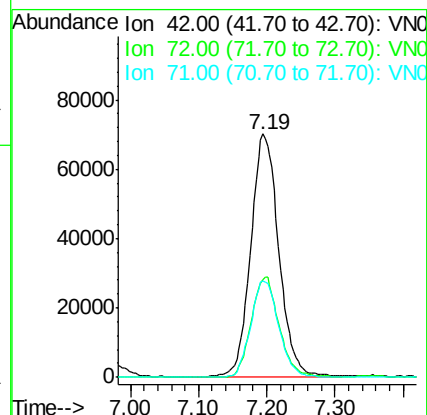
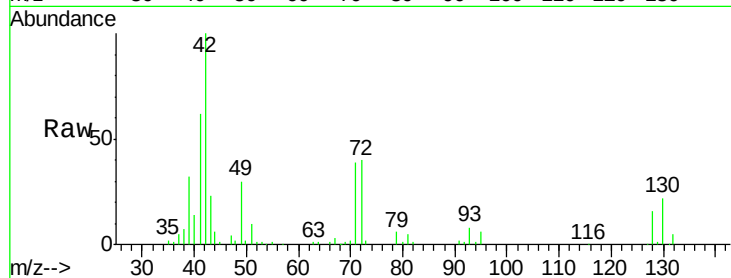




#29
Tetrahydrofuran
Concen: 113.600 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

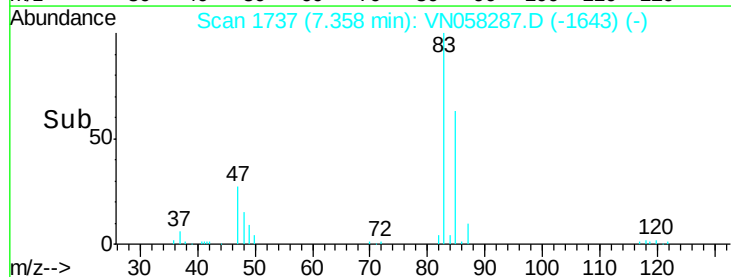
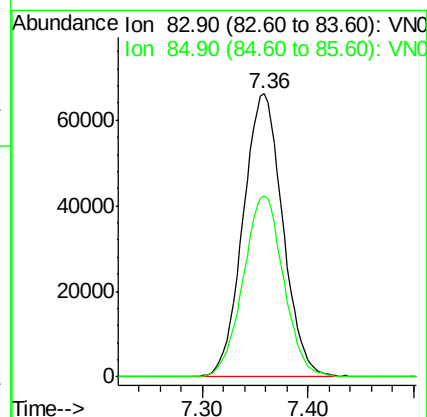
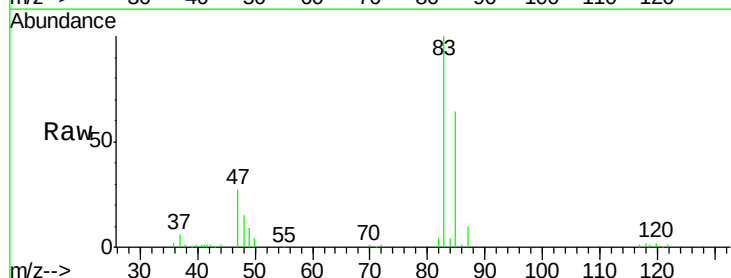
Instrument :
MSVOA_N
ClientSampleId :
VN0923MBS01

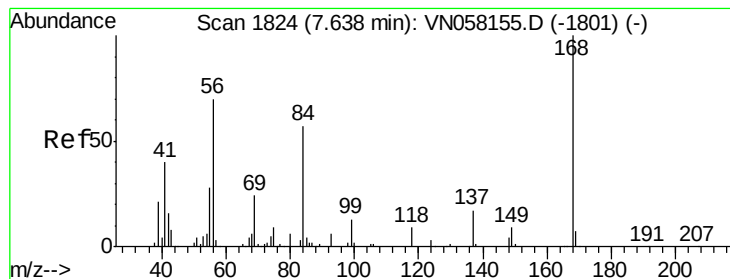
Tot Ion: 42 Resp: 201760
Ion Ratio Lower Upper
42 100
72 40.7 33.8 50.6
71 39.4 31.4 47.0



#30
Chloroform
Concen: 20.058 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Tgt Ion: 83 Resp: 173346
Ion Ratio Lower Upper
83 100
85 63.7 51.4 77.2





#31

Cyclohexane

Concen: 19.200 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBS01

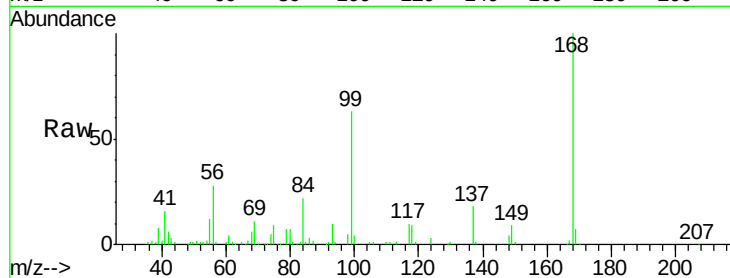
Tot Ion: 56 Resp: 107360

Ion Ratio Lower Upper

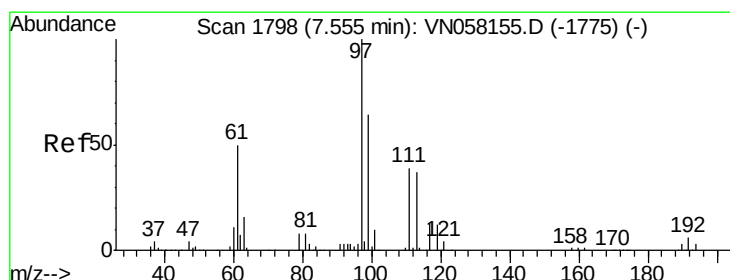
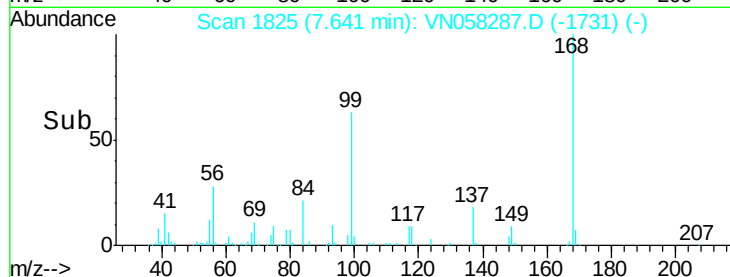
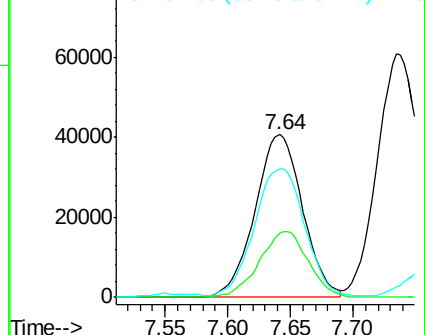
56 100

69 39.1 27.3 40.9

84 76.8 65.0 97.4



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: 20.363 ug/l

RT: 7.56 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

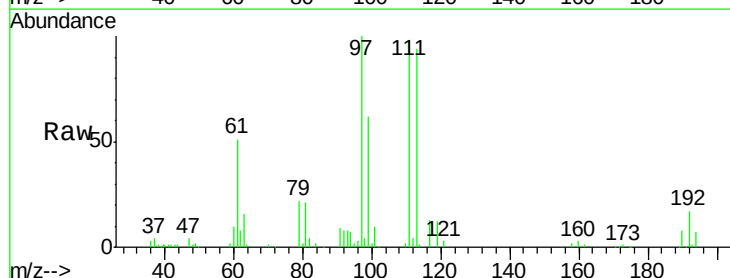
Tgt Ion: 97 Resp: 133970

Ion Ratio Lower Upper

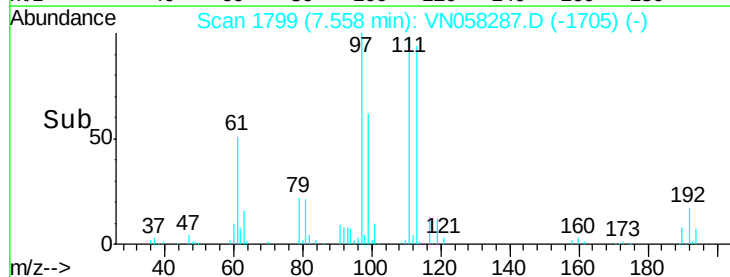
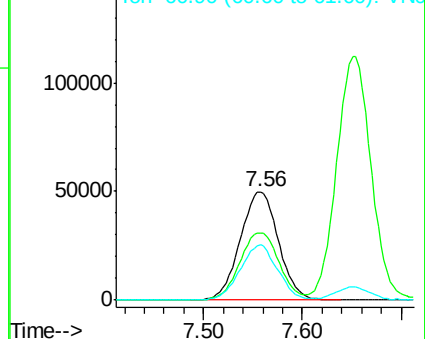
97 100

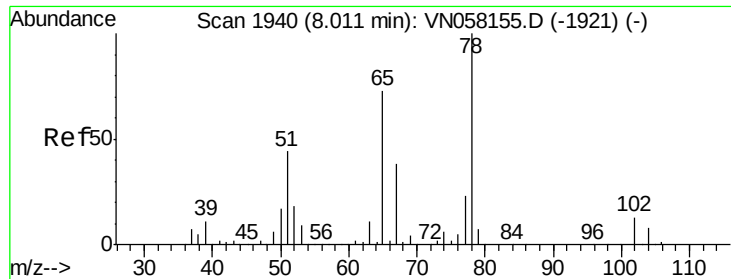
99 63.9 50.9 76.3

61 49.8 39.2 58.8



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

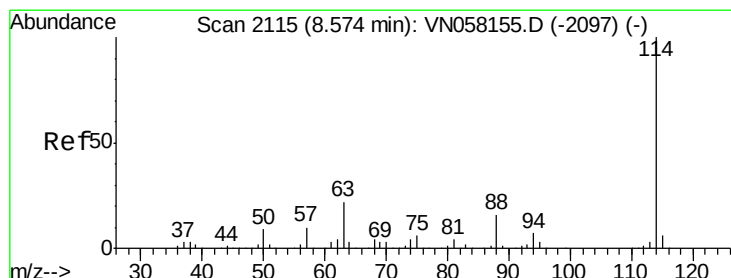
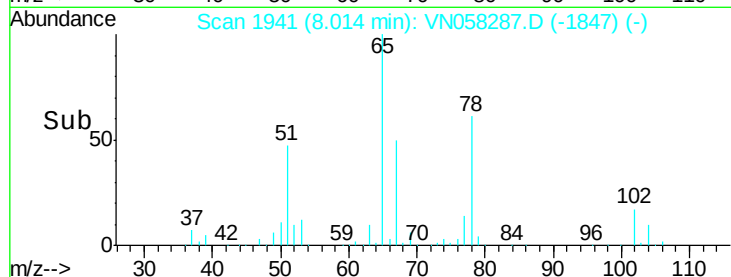
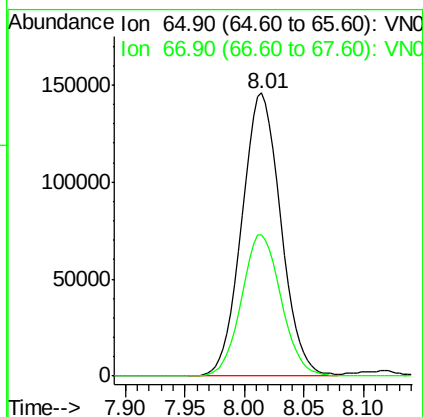
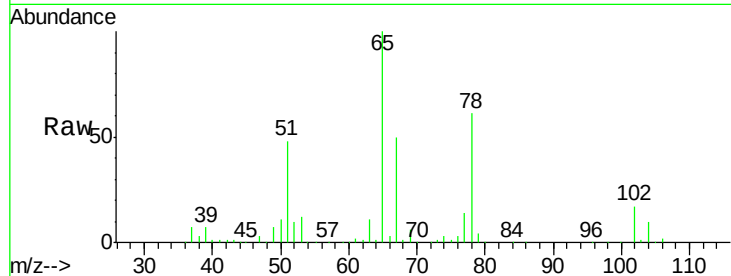




#33
 1,2-Dichloroethane-d4
 Concen: 53.235 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

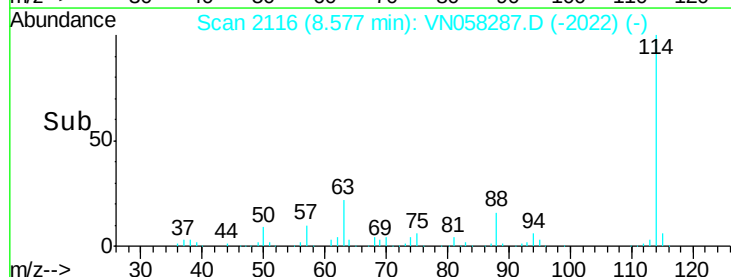
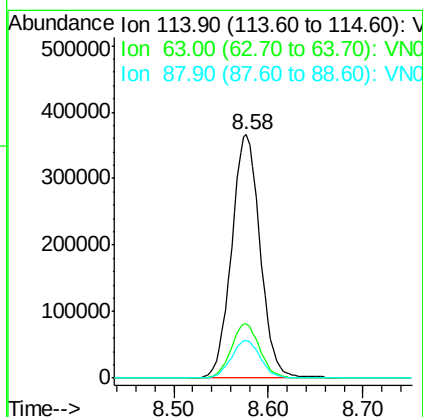
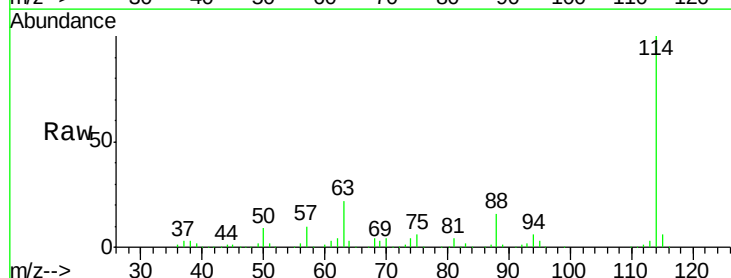
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBS01

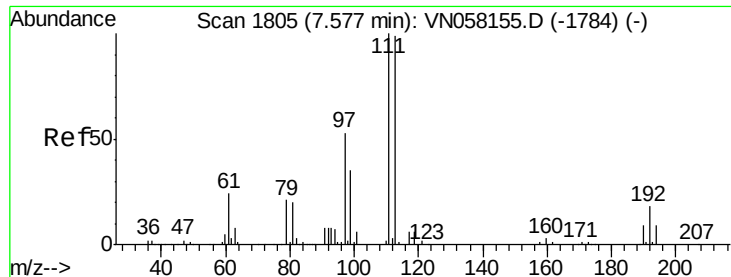
Tot Ion: 65 Resp: 331920
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion: 114 Resp: 766557
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 44.2
 88 15.6 0.0 31.6

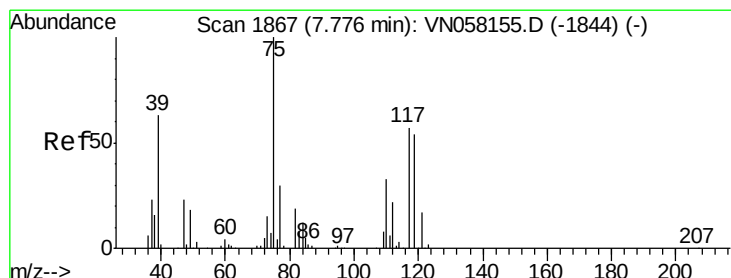
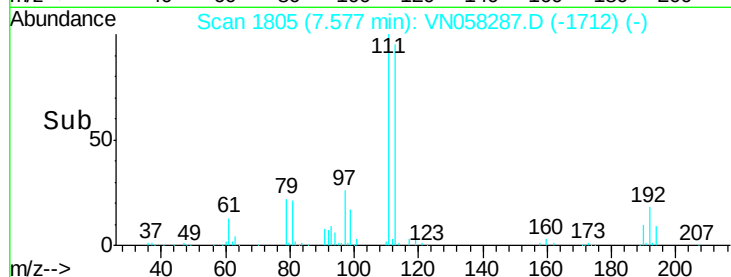
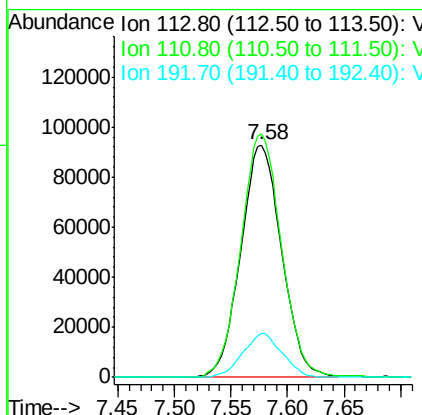
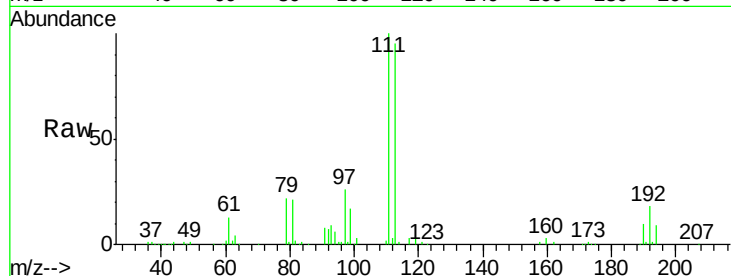




#35
 Dibromofluoromethane
 Concen: 50.021 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

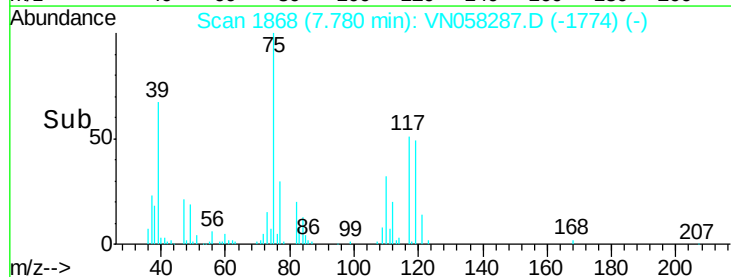
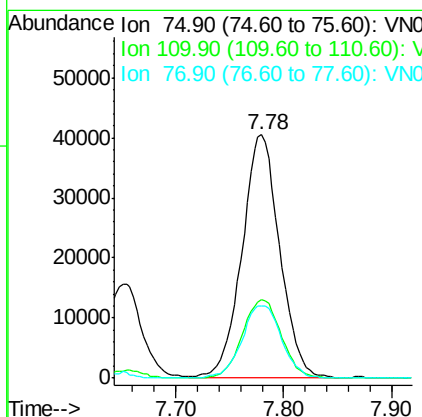
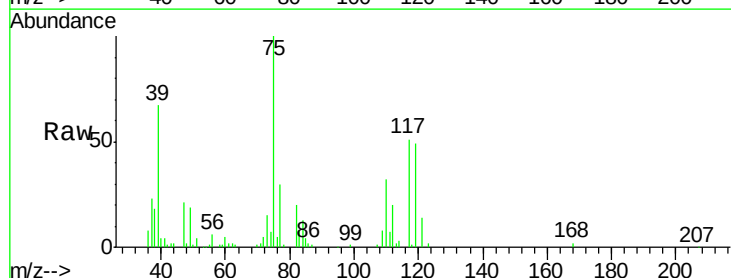
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBS01

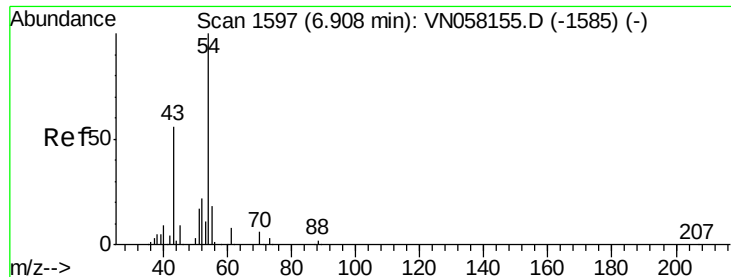
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.8	81.8	122.6
192	18.3	14.5	21.7



#36
 1,1-Dichloropropene
 Concen: 17.819 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.6	49.7
77	31.4	24.3	36.5

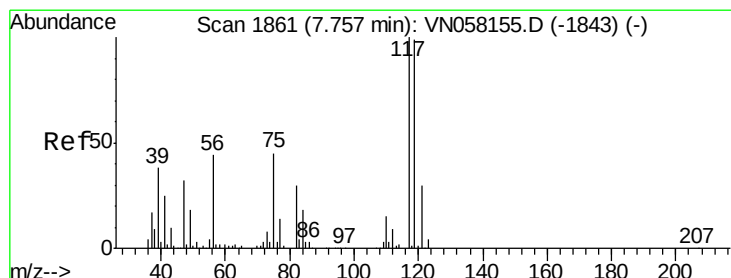
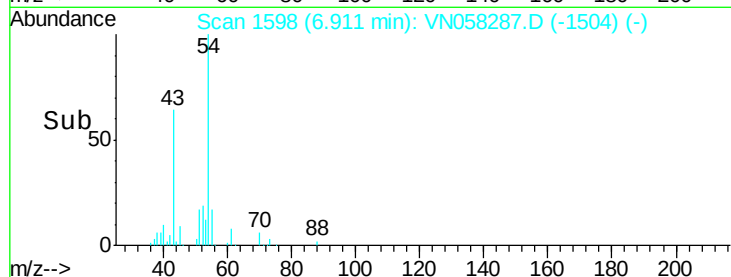
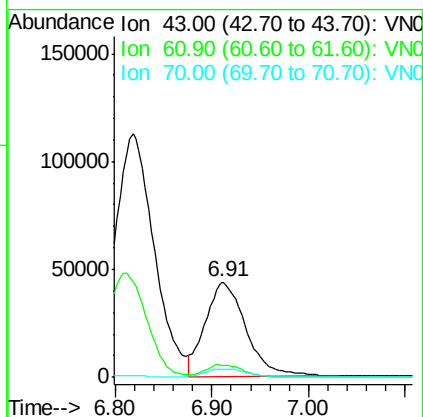
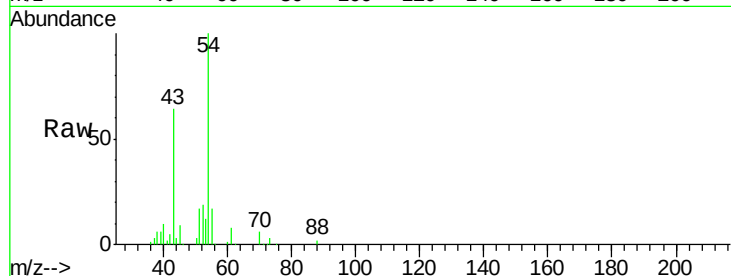




#37
Ethyl Acetate
Concen: 22.109 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

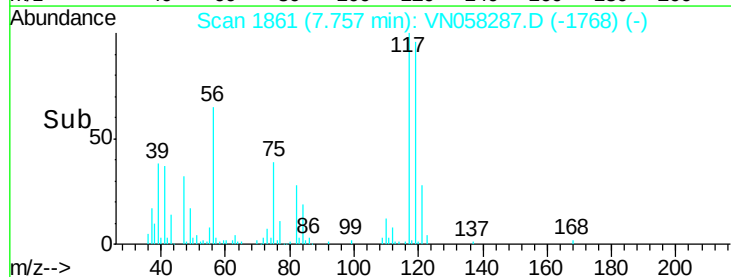
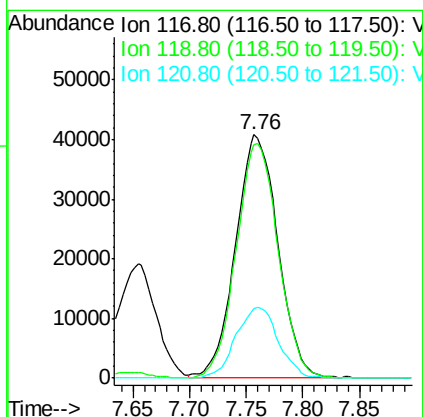
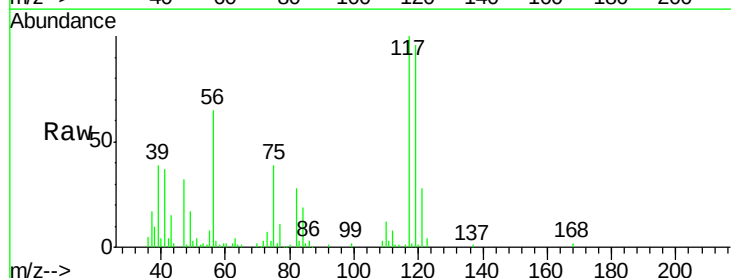
Instrument :
MSVOA_N
ClientSampled :
VN0923MBS01

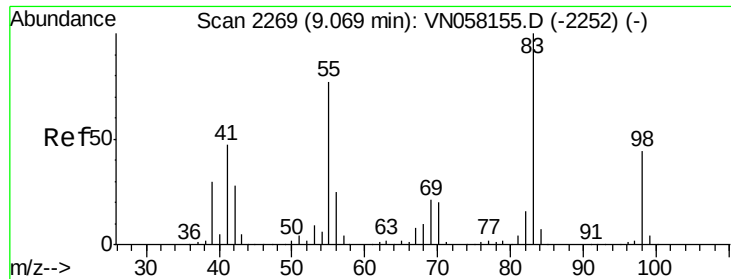
Tot Ion: 43 Resp: 126838
Ion Ratio Lower Upper
43 100
61 12.0 10.7 16.1
70 9.6 7.6 11.4



#38
Carbon Tetrachloride
Concen: 19.122 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Tgt Ion: 117 Resp: 106261
Ion Ratio Lower Upper
117 100
119 95.8 78.6 117.8
121 28.4 24.1 36.1

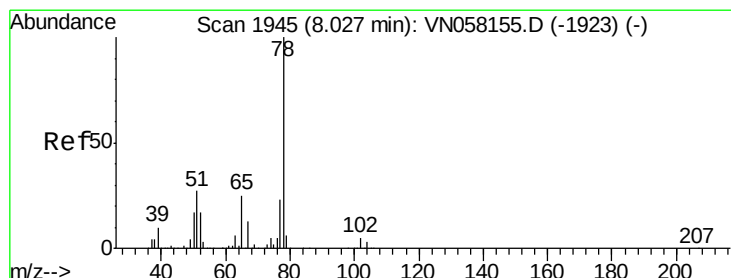
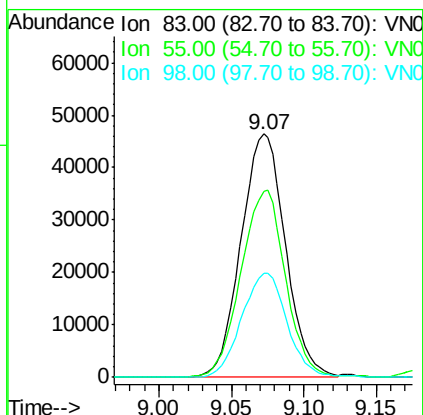
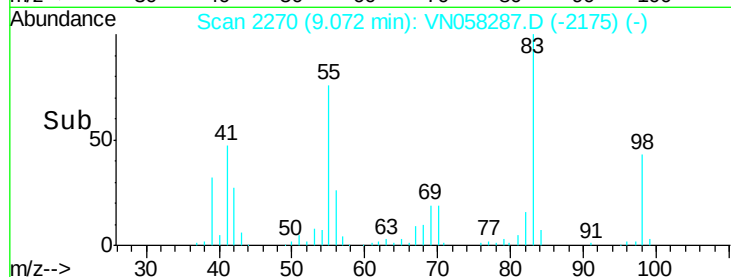
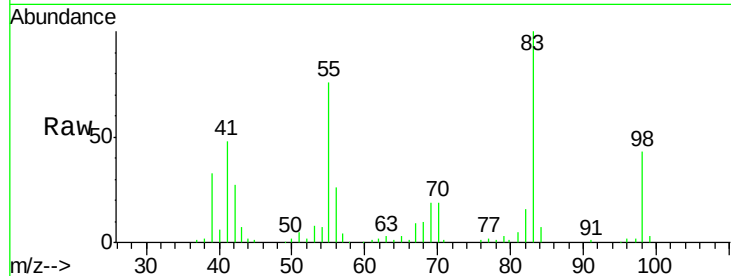




#39
Methylvlcyclohexane
Concen: 18.549 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

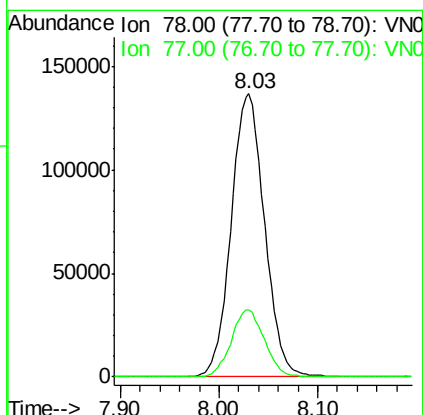
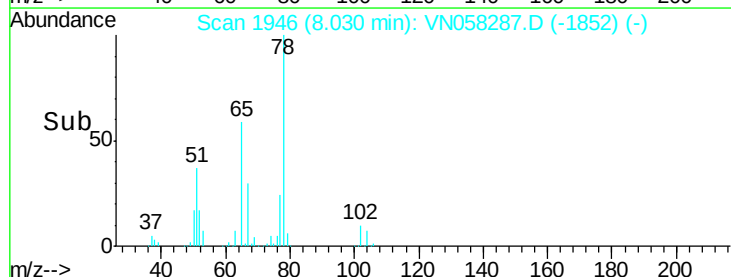
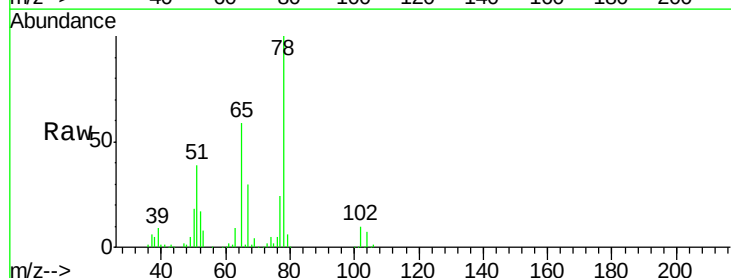
Instrument :
MSVOA_N
ClientSampleId :
VN0923MBS01

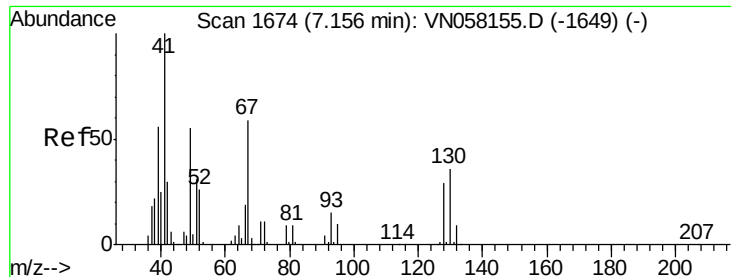
Tot Ion: 83 Resp: 98904
Ion Ratio Lower Upper
83 100
55 76.4 61.9 92.9
98 42.6 35.4 53.2



#40
Benzene
Concen: 19.038 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Tgt Ion: 78 Resp: 321444
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2





#41

Methacrylonitrile

Concen: 22.194 ug/l

RT: 7.16 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBS01

Tot Ion: 41 Resp: 62652

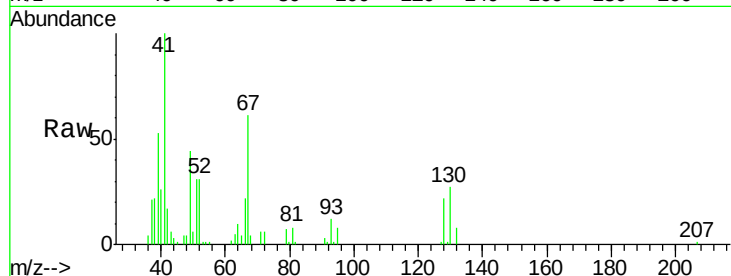
Ion Ratio Lower Upper

41 100

39 50.8 0.0 0.0#

67 80.3 0.0 0.0#

52 38.7 0.0 0.0#

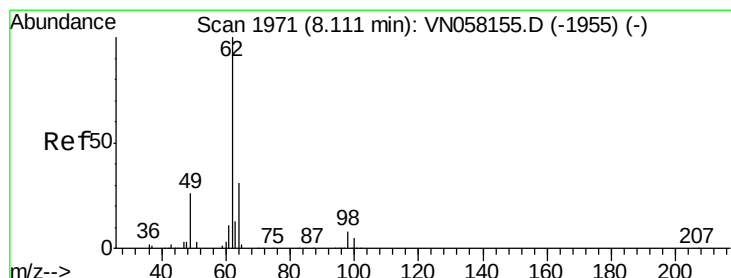
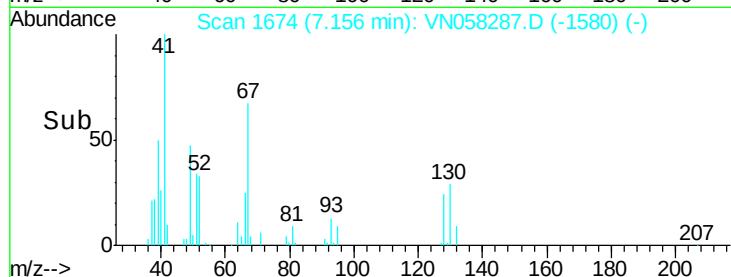
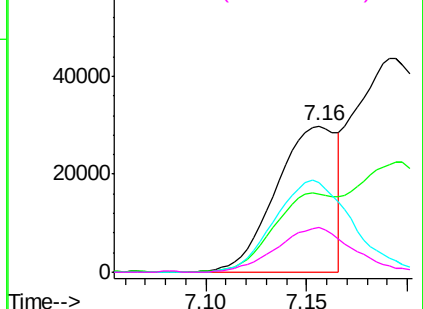


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 19.639 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VN058287.D

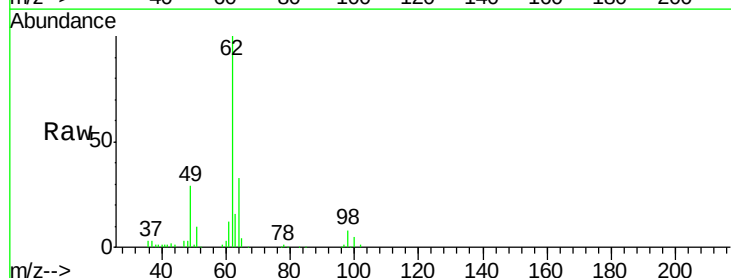
Acq: 23 Sep 2019 13:18

Tgt Ion: 62 Resp: 139140

Ion Ratio Lower Upper

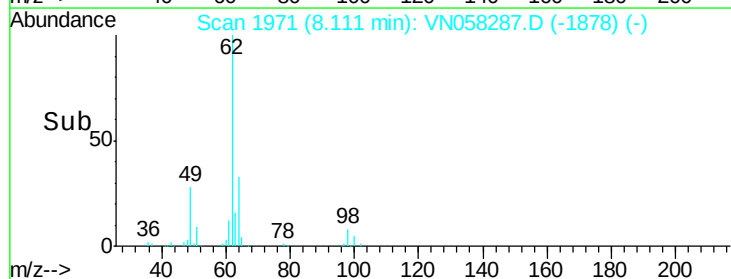
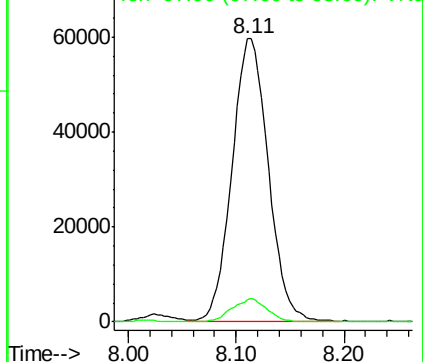
62 100

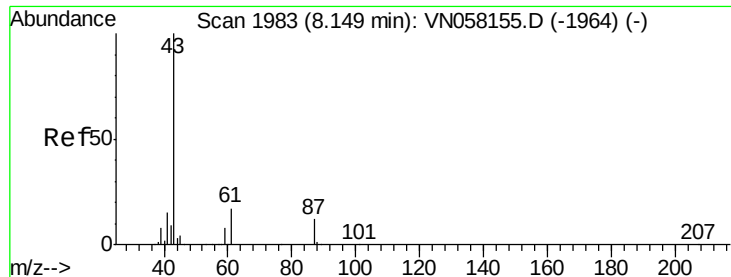
98 7.9 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.944 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBS01

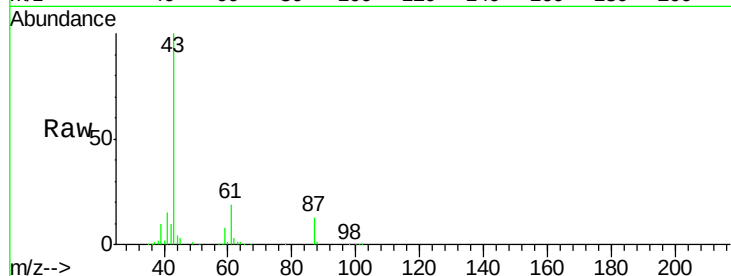
Tot Ion: 43 Resp: 213682

Ion Ratio Lower Upper

43 100

61 17.8 19.7 29.5#

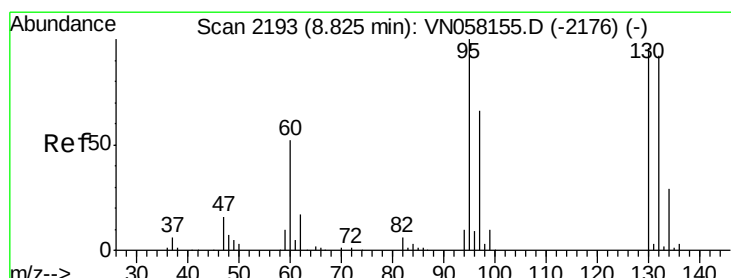
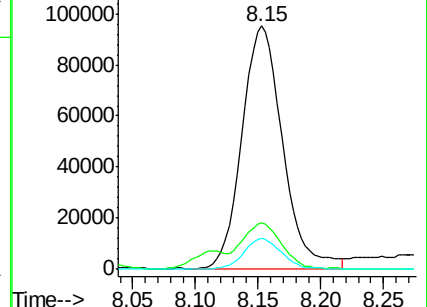
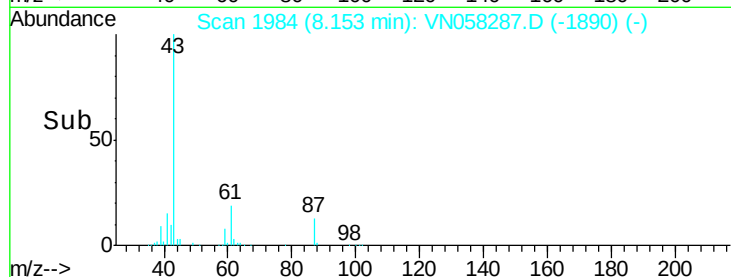
87 12.0 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN058155.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN058155.D (-1964) (-)



#44

Trichloroethene

Concen: 18.812 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN058287.D

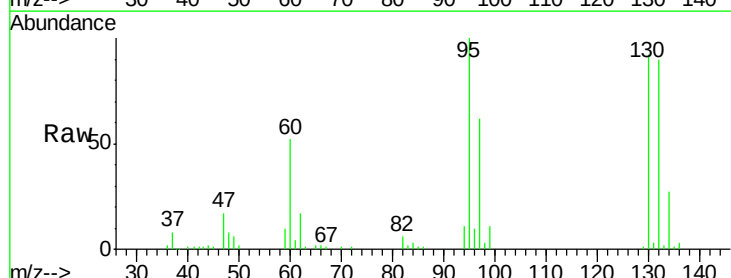
Acq: 23 Sep 2019 13:18

Tgt Ion:130 Resp: 77729

Ion Ratio Lower Upper

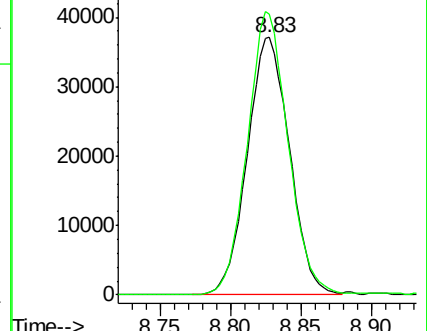
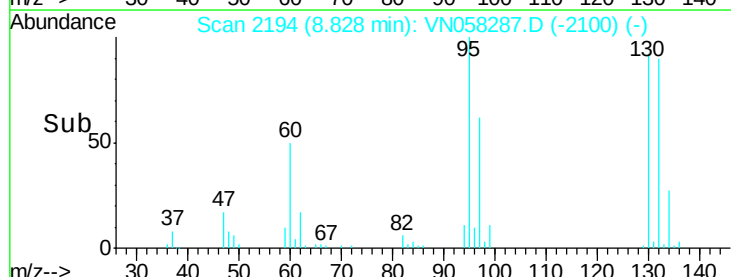
130 100

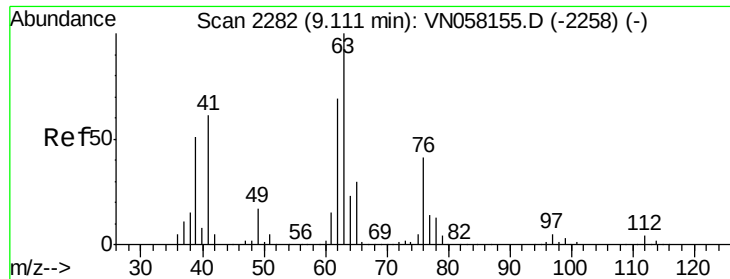
95 109.1 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): VN058155.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058155.D (-2176) (-)

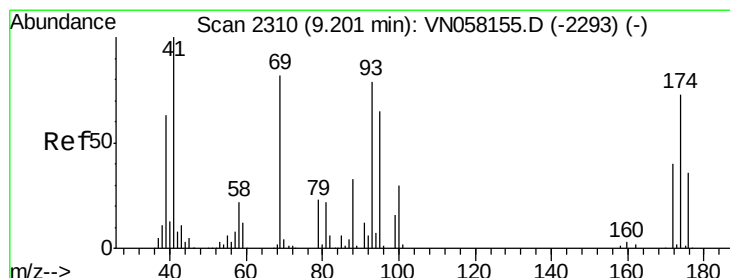
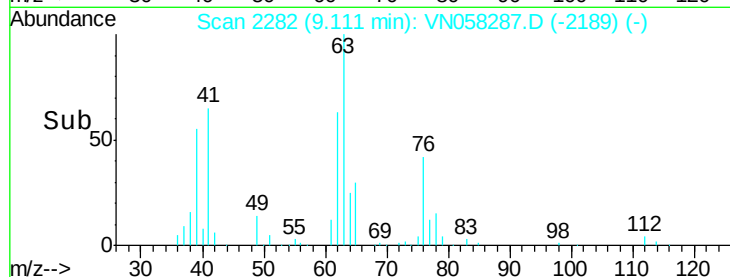
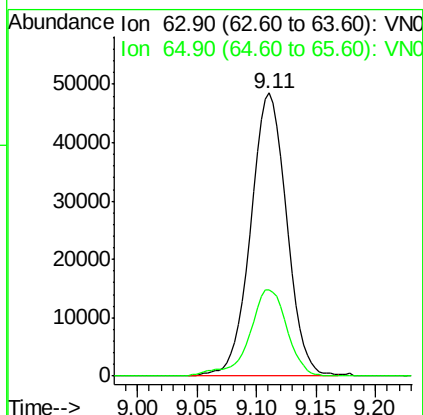
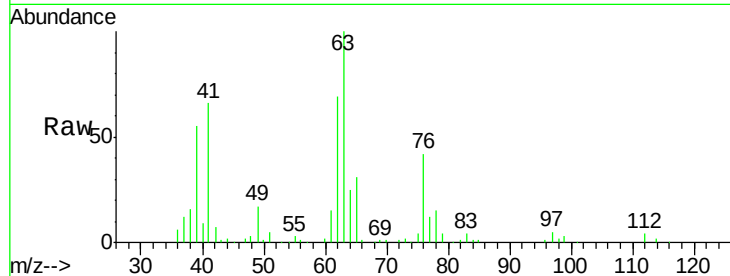




#45
 1,2-Dichloropropane
 Concen: 20.181 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

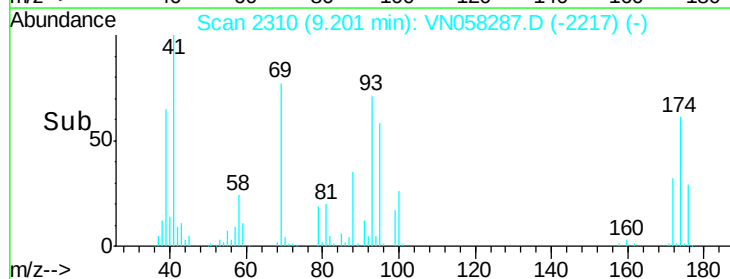
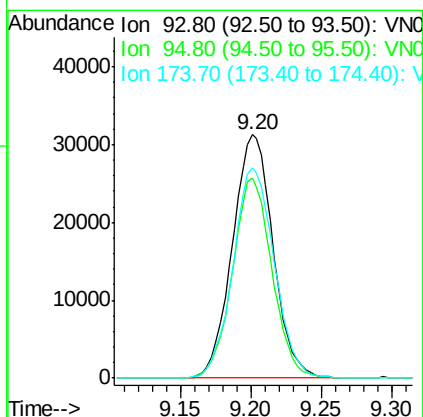
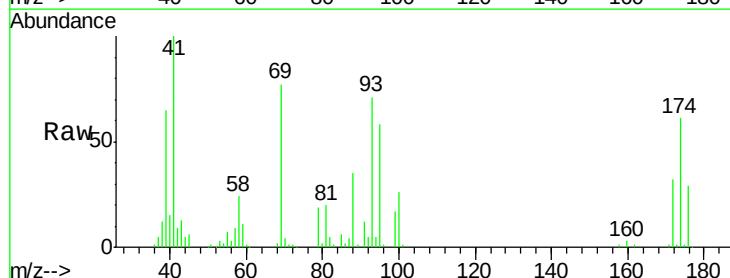
Instrument :
 MSVOA_N
 ClientSampled :
 VN0923MBS01

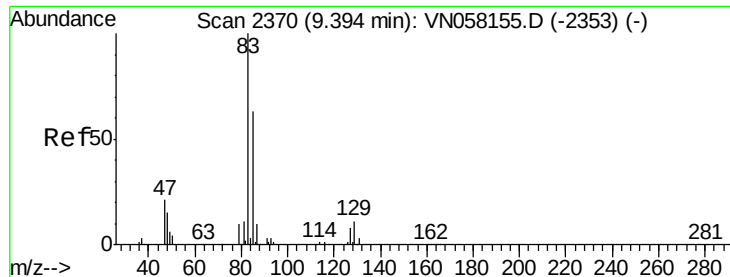
Tot Ion: 63 Resp: 101761
 Ion Ratio Lower Upper
 63 100
 65 30.6 23.8 35.6



#46
 Dibromomethane
 Concen: 20.534 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion: 93 Resp: 62950
 Ion Ratio Lower Upper
 93 100
 95 79.9 66.8 100.2
 174 87.8 73.8 110.8





#47

Bromodichloromethane

Concen: 20.285 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBS01

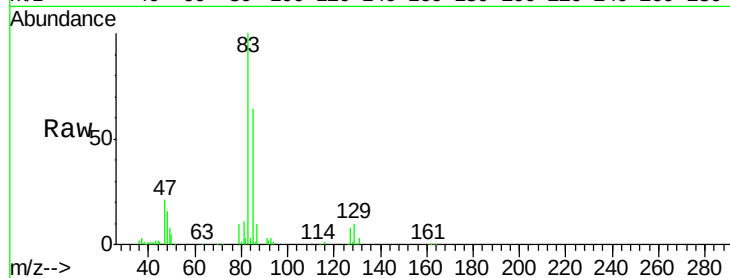
Tot Ion: 83 Resp: 130277

Ion Ratio Lower Upper

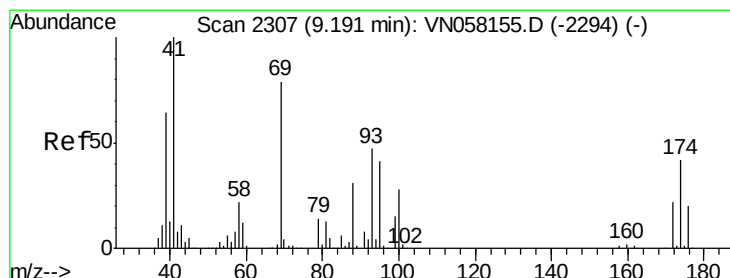
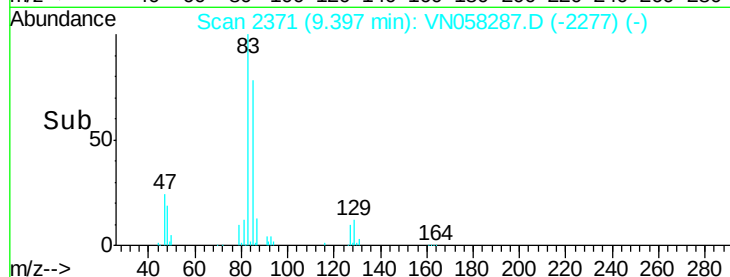
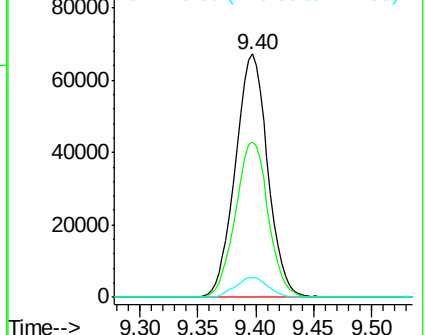
83 100

85 64.0 50.1 75.1

127 8.2 6.4 9.6



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



#48

Methyl methacrylate

Concen: 20.970 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

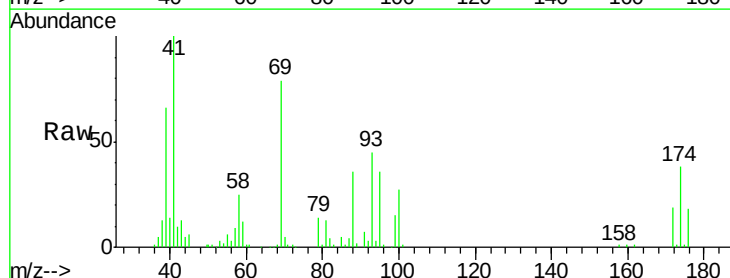
Tgt Ion: 41 Resp: 102012

Ion Ratio Lower Upper

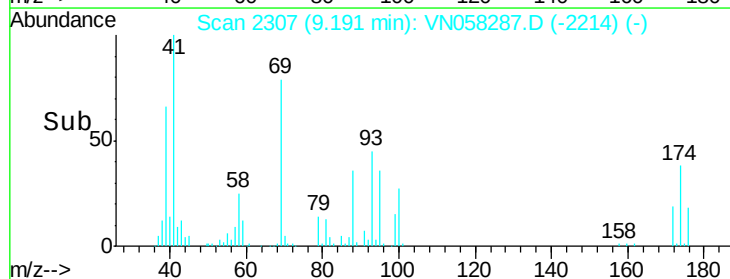
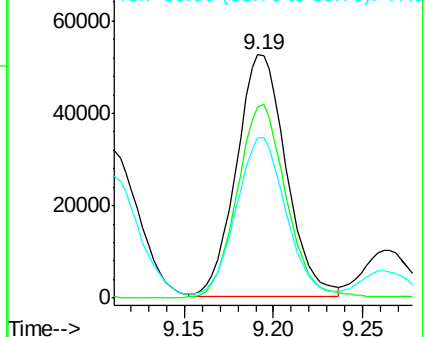
41 100

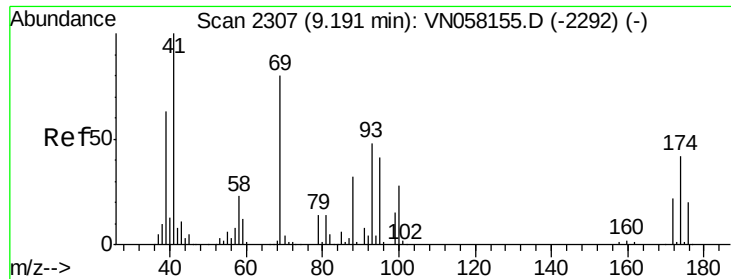
69 79.0 62.5 93.7

39 66.4 52.3 78.5



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

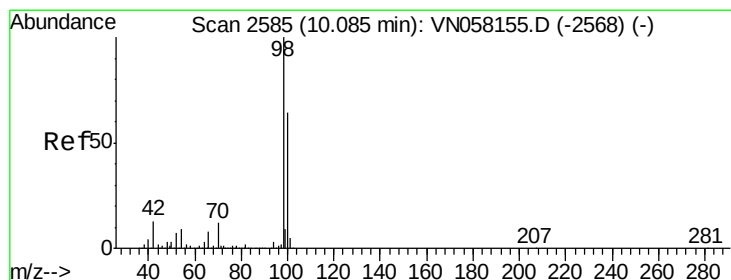
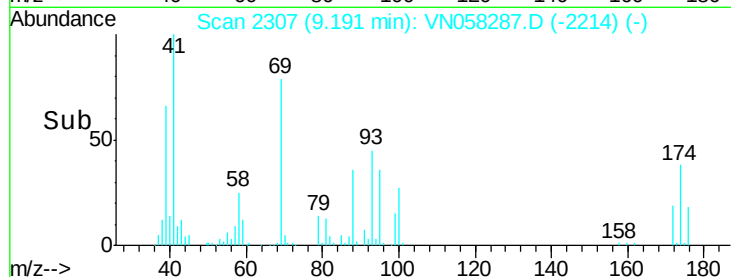
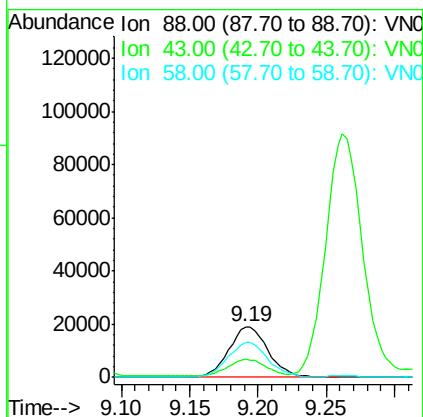
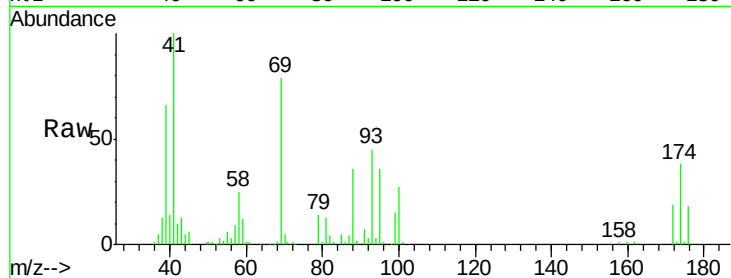




#49
 1,4-Dioxane
 Concen: 477.330 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

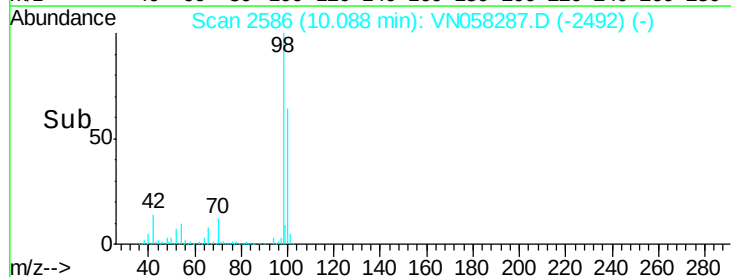
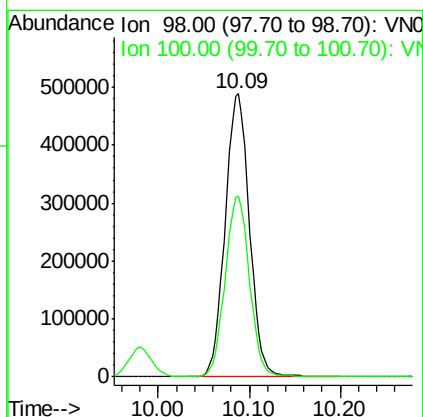
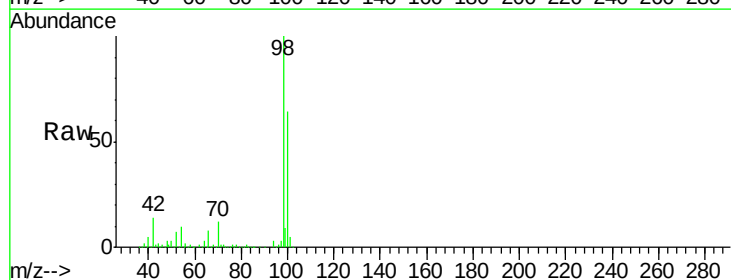
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBS01

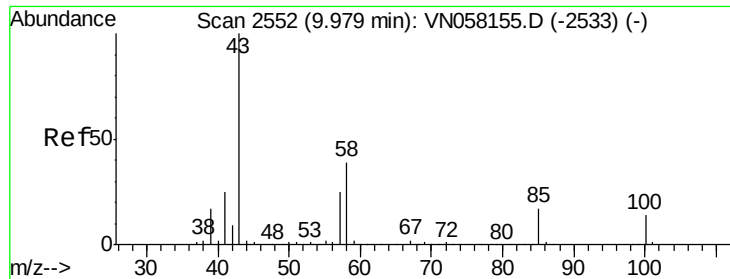
Tot Ion: 88 Resp: 38124
 Ion Ratio Lower Upper
 88 100
 43 33.3 27.8 41.8
 58 70.7 55.0 82.4



#50
 Toluene-d8
 Concen: 50.061 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion: 98 Resp: 908922
 Ion Ratio Lower Upper
 98 100
 100 63.6 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 122.390 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

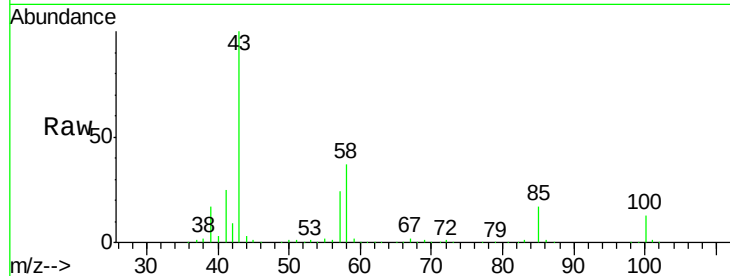
VN0923MBS01

Tot Ion: 43 Resp: 696510

Ion Ratio Lower Upper

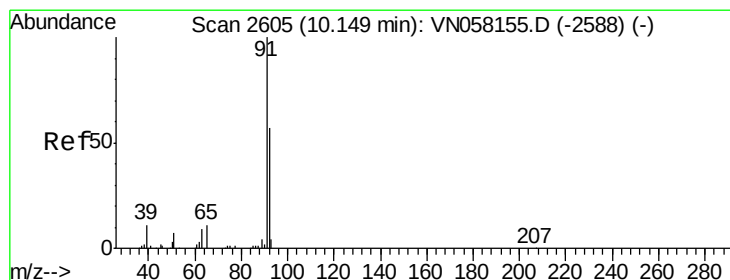
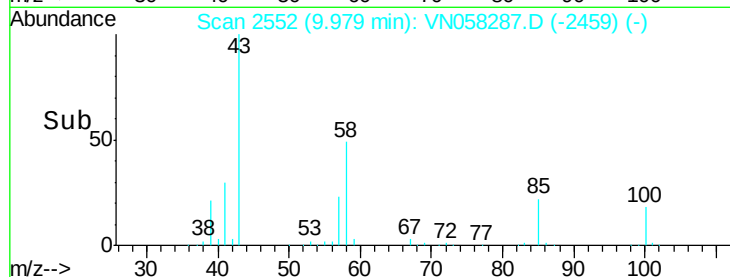
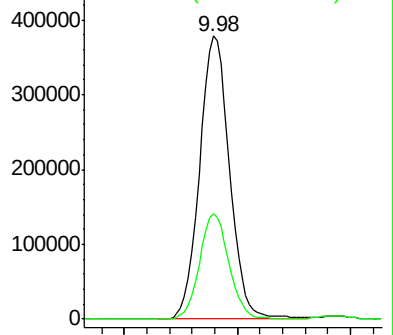
43 100

58 36.7 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.020 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058287.D

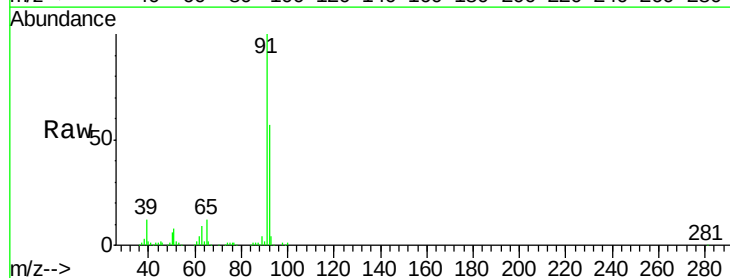
Acq: 23 Sep 2019 13:18

Tgt Ion: 92 Resp: 201260

Ion Ratio Lower Upper

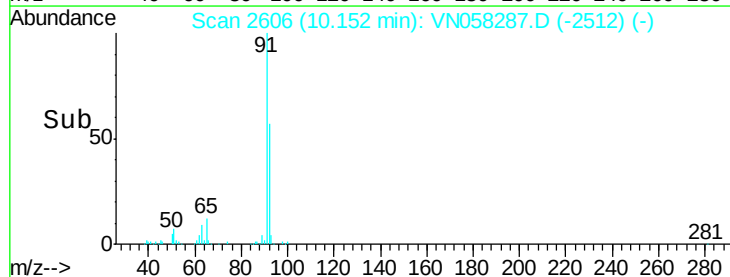
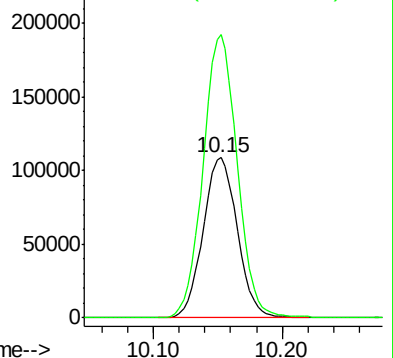
92 100

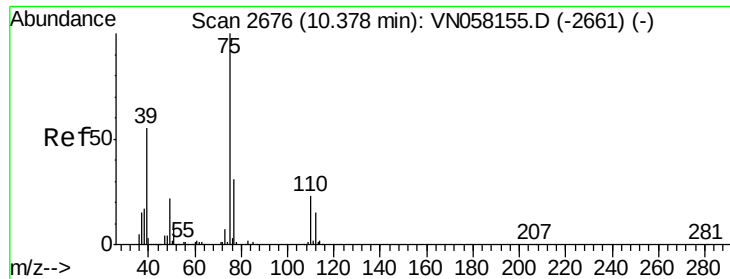
91 176.1 140.2 210.2



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: 19.514 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

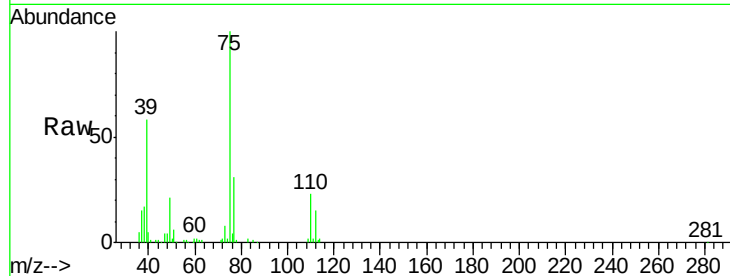
VN0923MBS01

Tot Ion: 75 Resp: 128382

Ion Ratio Lower Upper

75 100

77 31.3 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

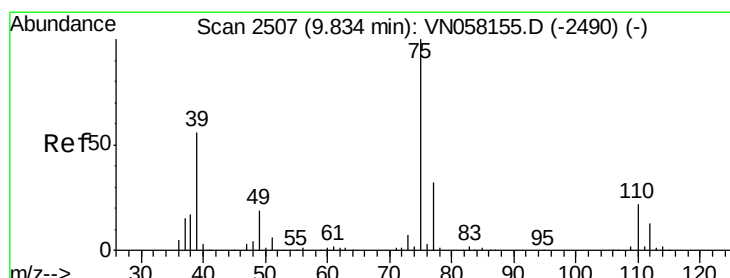
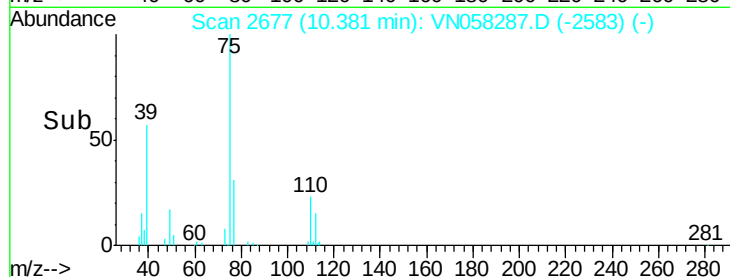
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.214 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

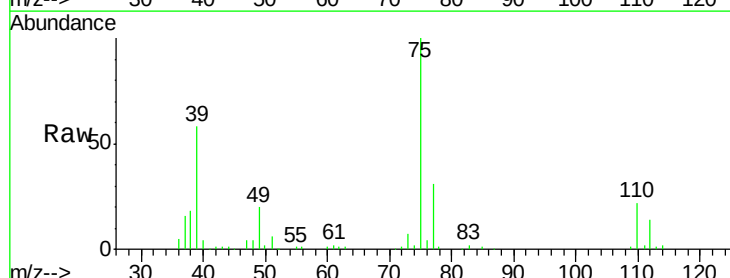
Tgt Ion: 75 Resp: 139560

Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.0

39 57.4 45.0 67.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

100000

80000

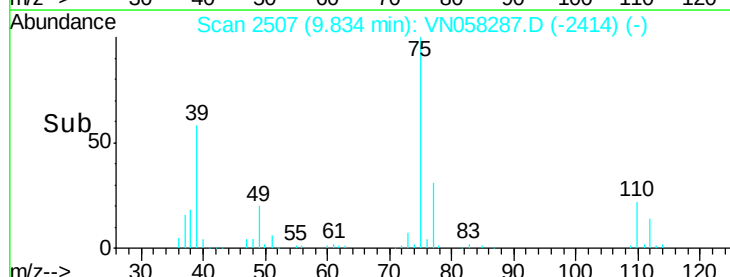
60000

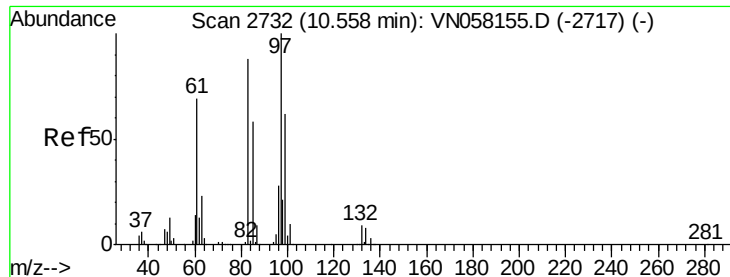
40000

20000

0

Time-->

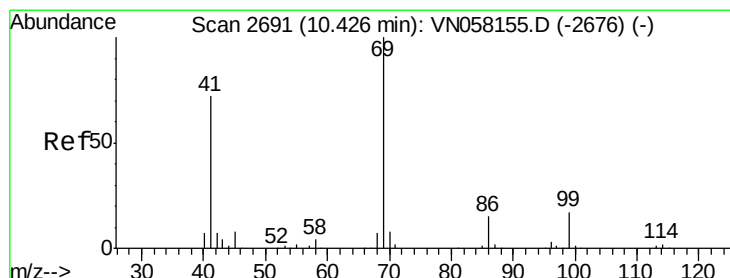
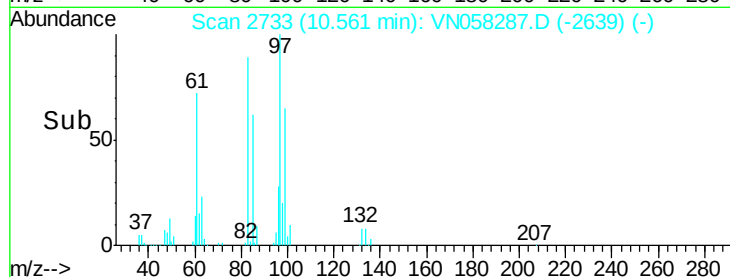
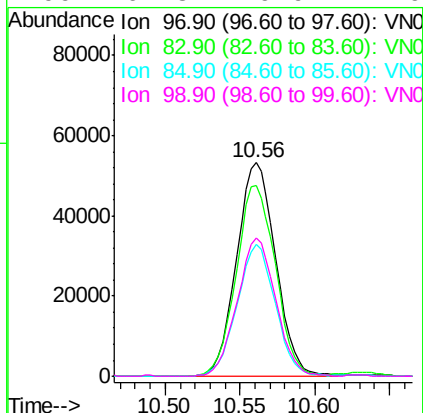
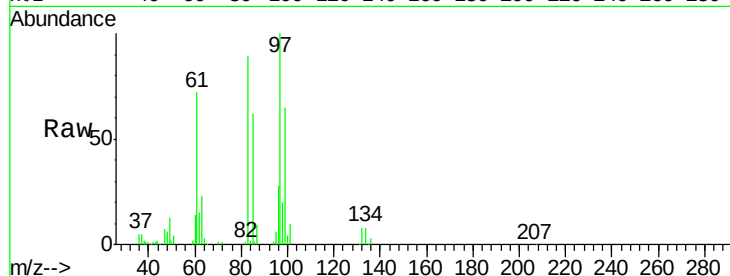




#55
 1,1,2-Trichloroethane
 Concen: 20.611 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

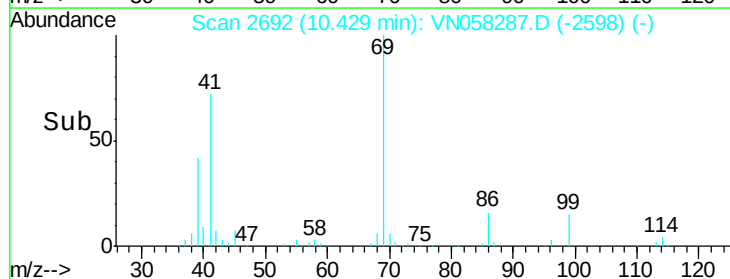
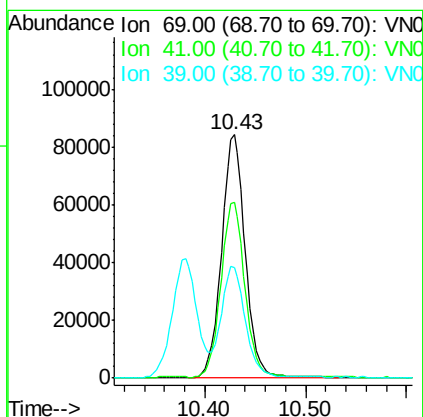
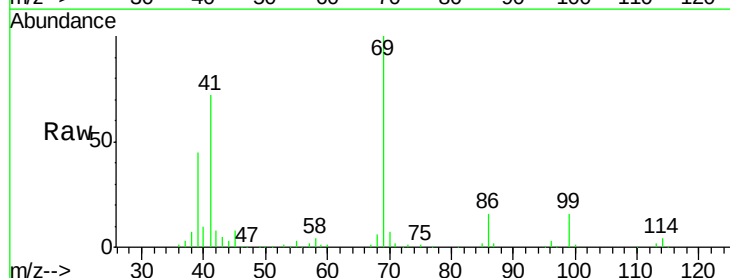
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBS01

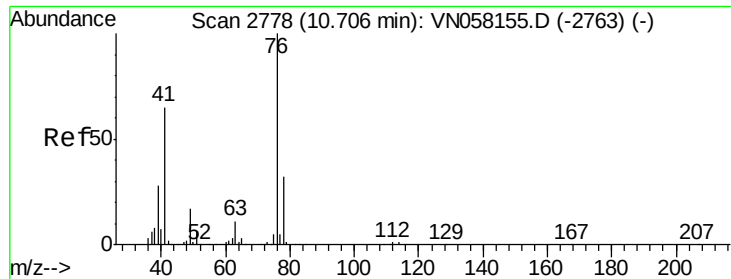
Tot Ion: 97 Resp: 96785
 Ion Ratio Lower Upper
 97 100
 83 89.4 70.4 105.6
 85 61.5 46.8 70.2
 99 64.8 49.9 74.9



#56
 Ethyl methacrylate
 Concen: 20.472 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion: 69 Resp: 138707
 Ion Ratio Lower Upper
 69 100
 41 72.5 57.5 86.3
 39 46.3 36.1 54.1





#57

1,3-Dichloropropane

Concen: 20.106 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampled :

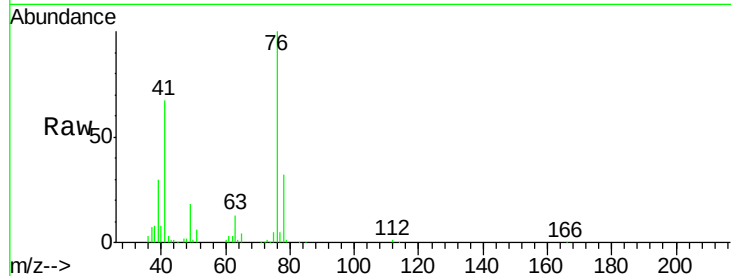
VN0923MBS01

Tot Ion: 76 Resp: 162309

Ion Ratio Lower Upper

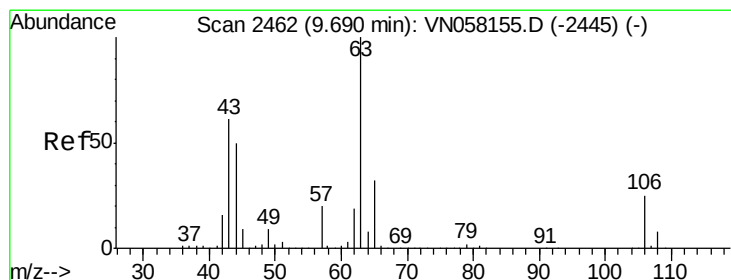
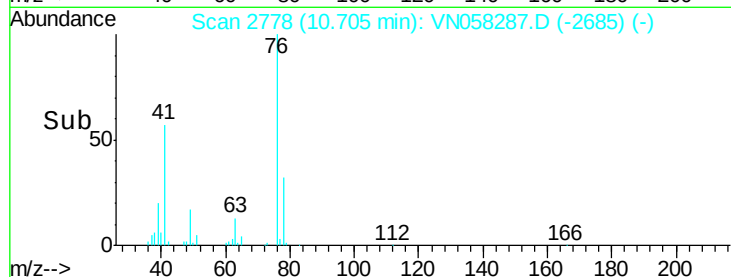
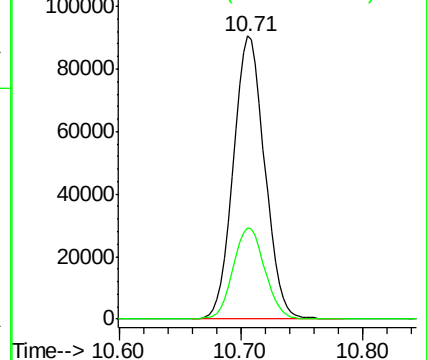
76 100

78 32.7 25.4 38.0



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: 108.131 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058287.D

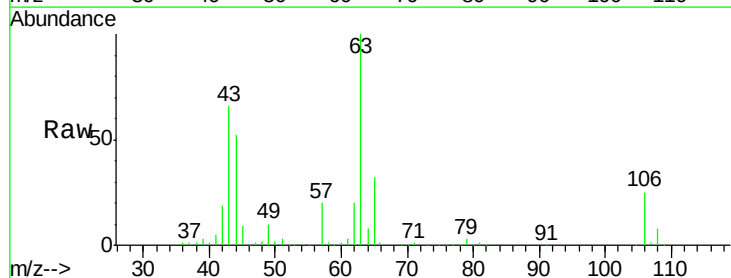
Acq: 23 Sep 2019 13:18

Tgt Ion: 63 Resp: 348968

Ion Ratio Lower Upper

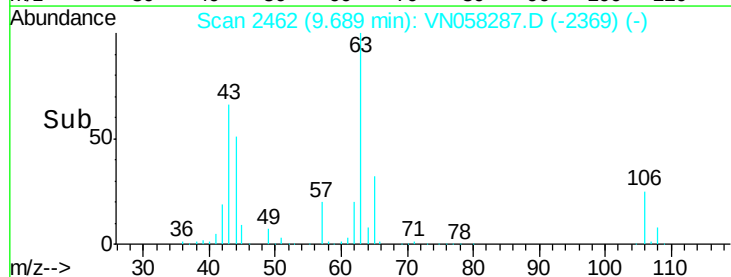
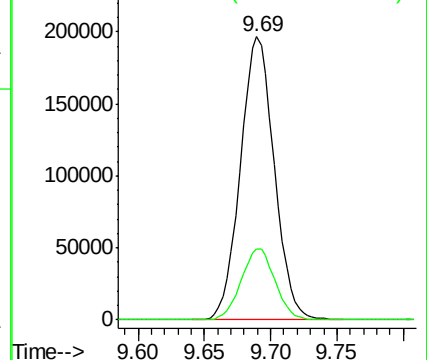
63 100

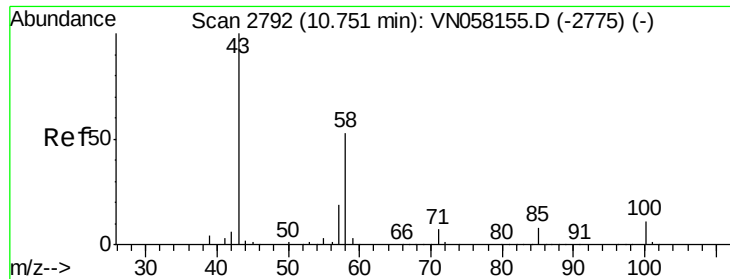
106 25.2 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

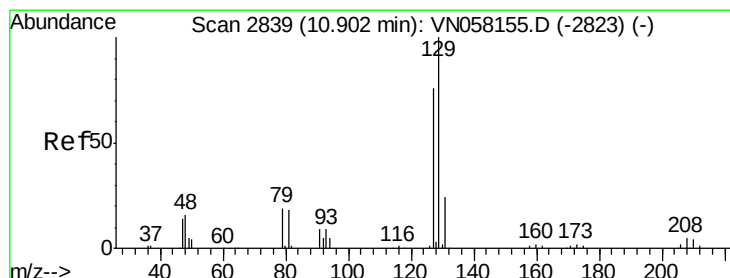
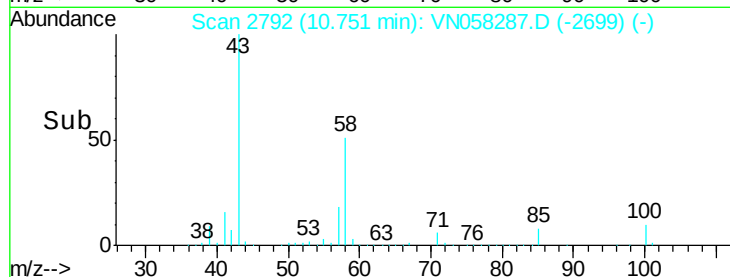
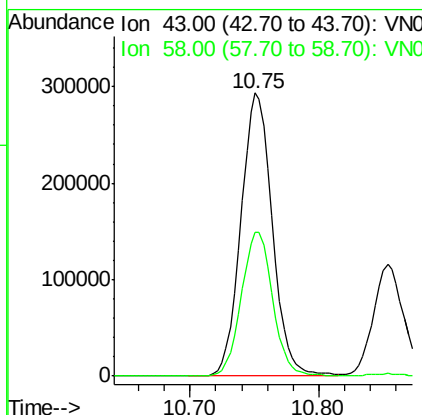
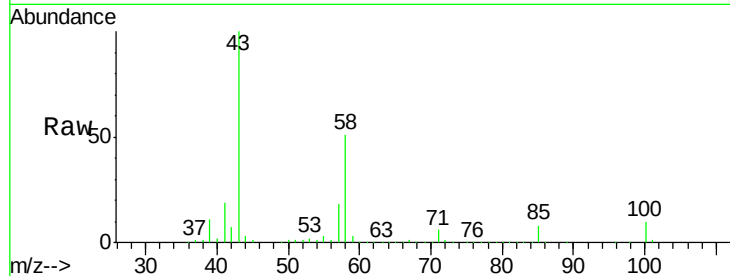




#59
2-Hexanone
Concen: 117.012 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

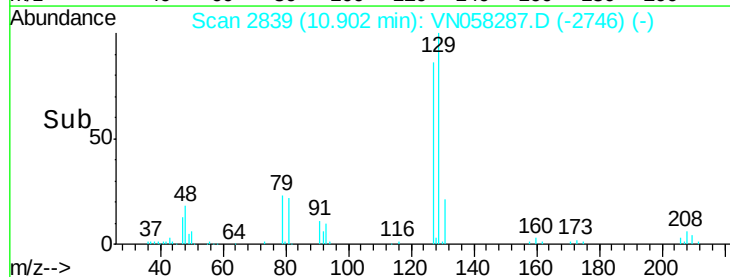
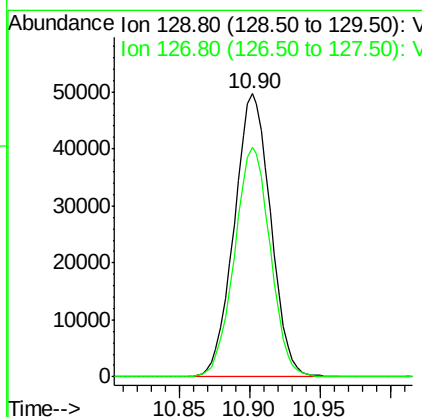
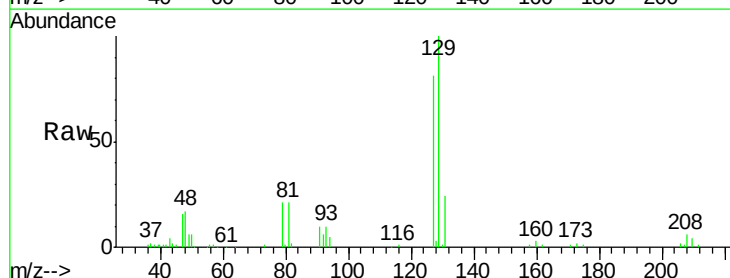
Instrument :
MSVOA_N
ClientSampleId :
VN0923MBS01

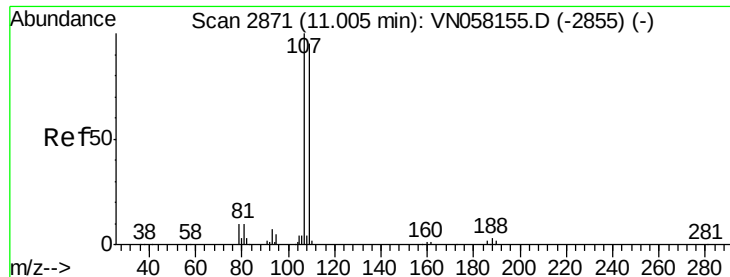
Tot Ion: 43 Resp: 494563
Ion Ratio Lower Upper
43 100
58 51.2 26.0 78.0



#60
Dibromochloromethane
Concen: 19.929 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Tgt Ion: 129 Resp: 90032
Ion Ratio Lower Upper
129 100
127 79.4 38.7 116.1

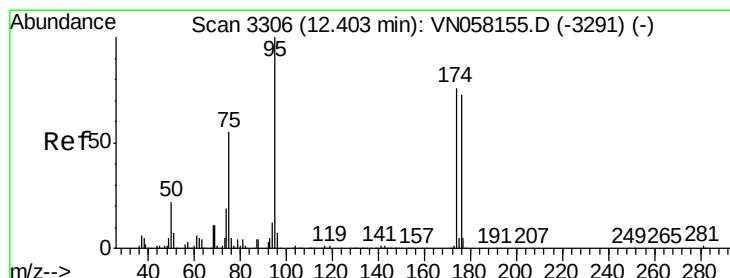
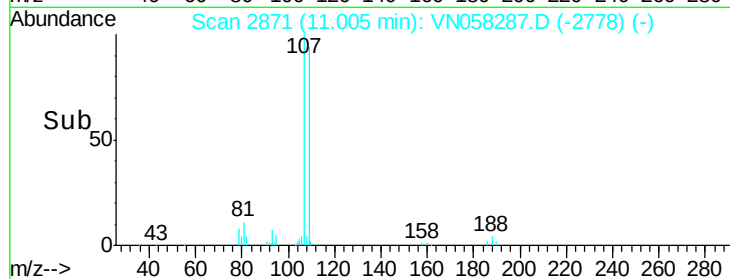
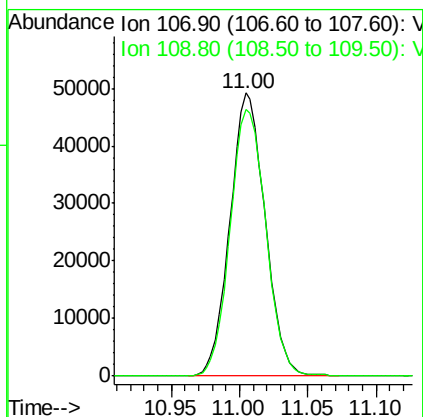
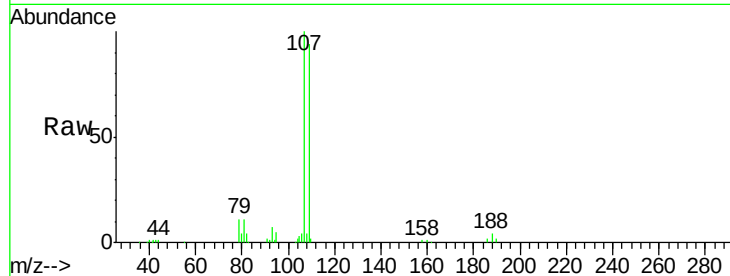




#61
 1,2-Dibromoethane
 Concen: 20.276 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

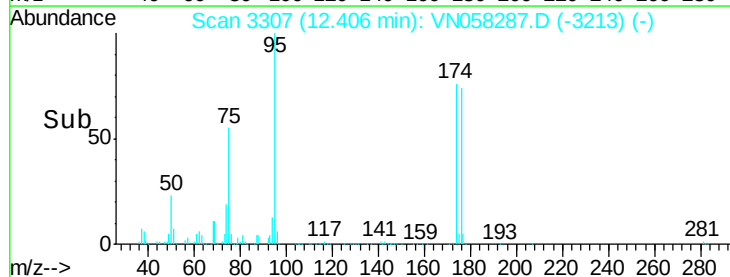
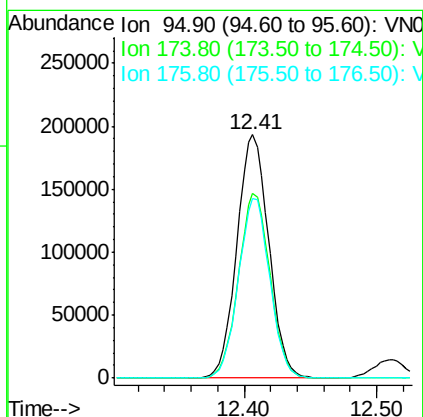
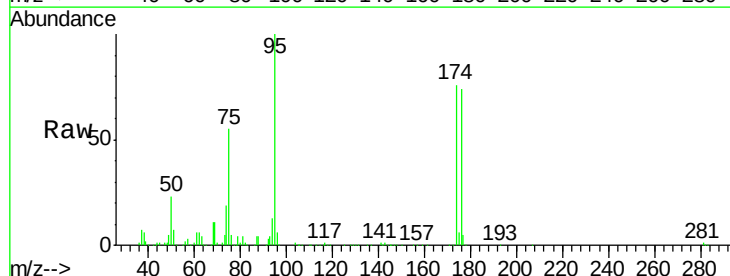
Instrument :
 MSVOA_N
 ClientSampled :
 VN0923MBS01

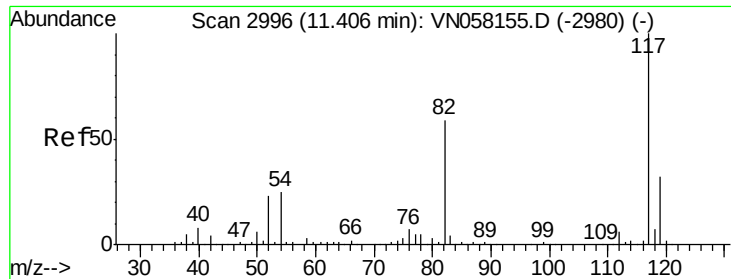
Tot Ion: 107 Resp: 88240
 Ion Ratio Lower Upper
 107 100
 109 95.6 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 47.786 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion: 95 Resp: 322287
 Ion Ratio Lower Upper
 95 100
 174 75.1 0.0 152.2
 176 72.8 0.0 148.0

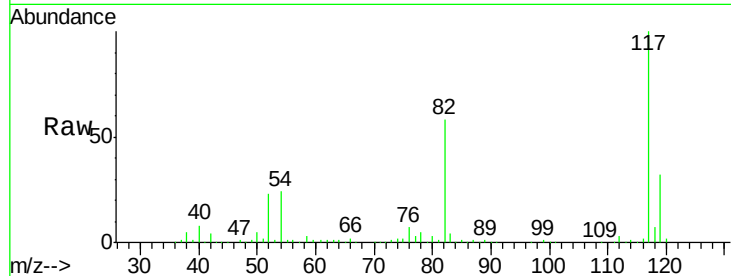




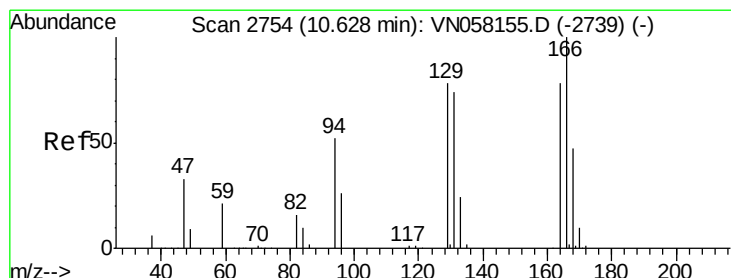
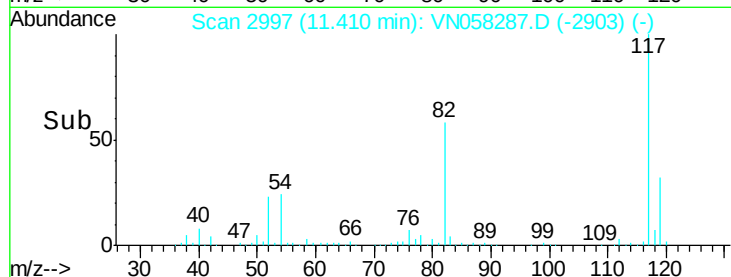
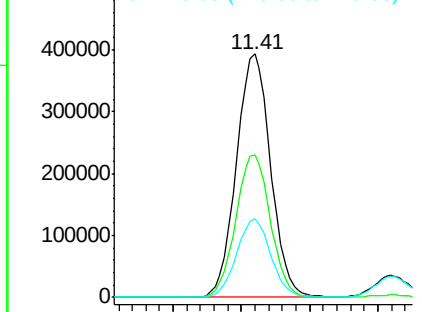
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Instrument :
MSVOA_N
ClientSampled :
VN0923MBS01

Tot Ion:117 Resp: 685170
Ion Ratio Lower Upper
117 100
82 58.4 46.9 70.3
119 32.0 25.3 37.9

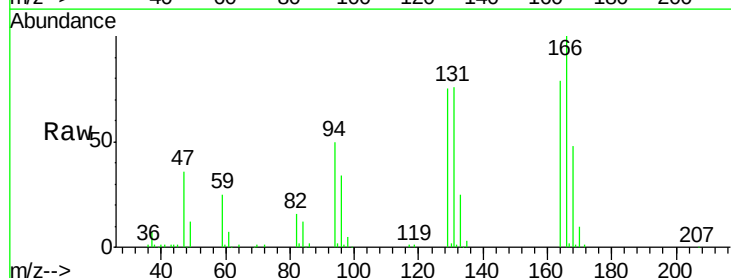


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

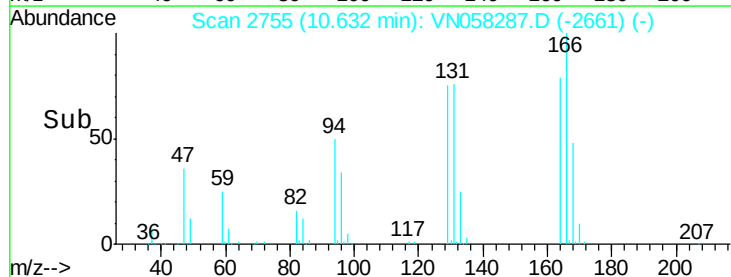
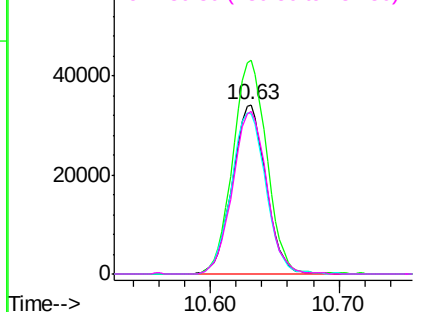


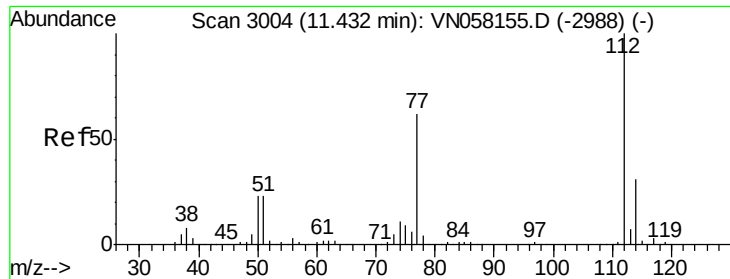
#64
Tetrachloroethene
Concen: 18.429 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Tgt Ion:164 Resp: 61554
Ion Ratio Lower Upper
164 100
166 126.4 102.2 153.4
129 94.6 79.6 119.4
131 95.8 76.0 114.0



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

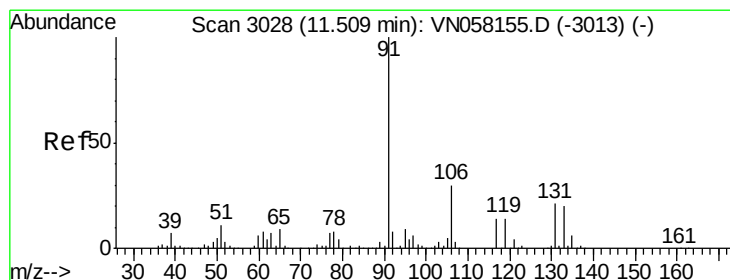
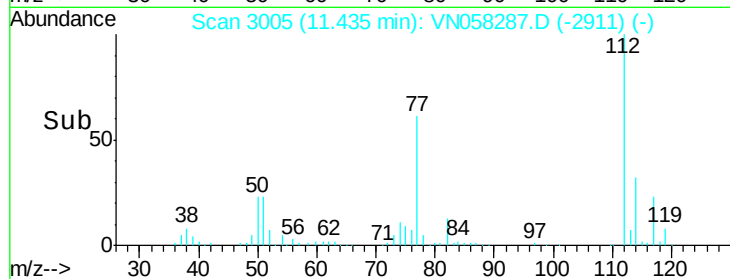
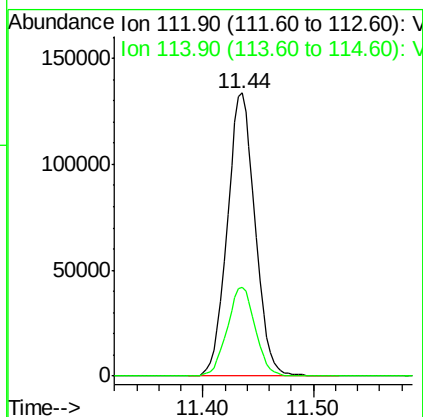
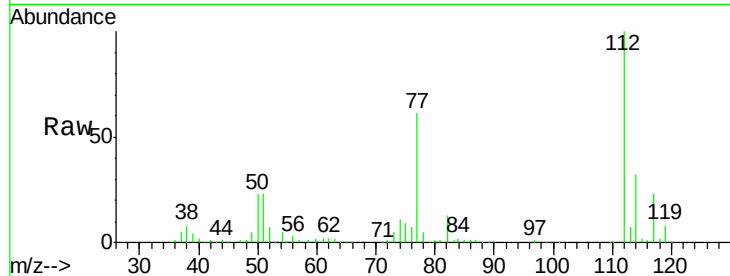




#65
Chlorobenzene
Concen: 19.302 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

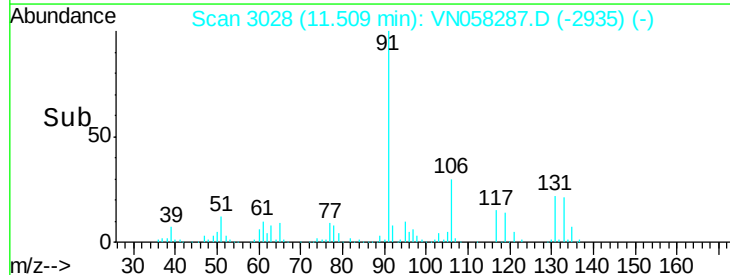
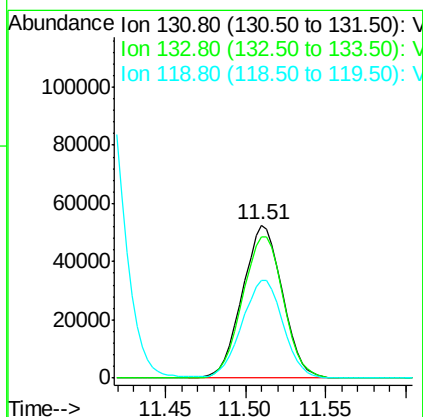
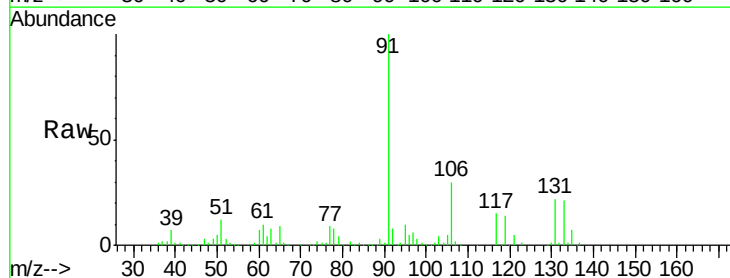
Instrument :
MSVOA_N
ClientSampled :
VN0923MBS01

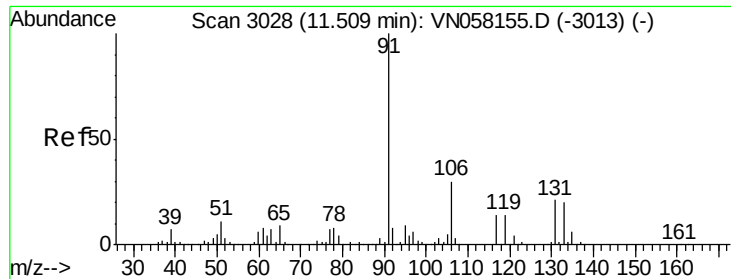
Tot Ion:112 Resp: 232623
Ion Ratio Lower Upper
112 100
114 31.6 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.606 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Tgt Ion:131 Resp: 90046
Ion Ratio Lower Upper
131 100
133 94.9 47.8 143.3
119 65.9 33.1 99.3

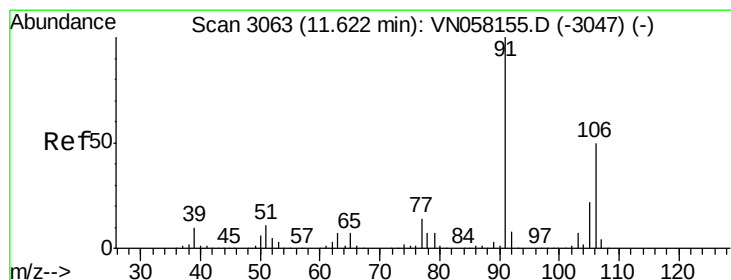
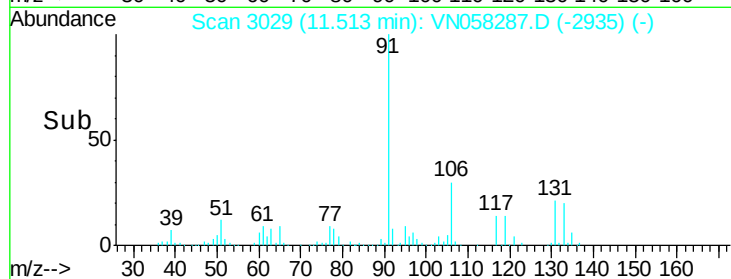
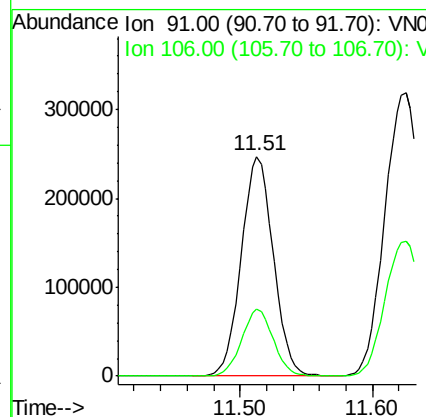
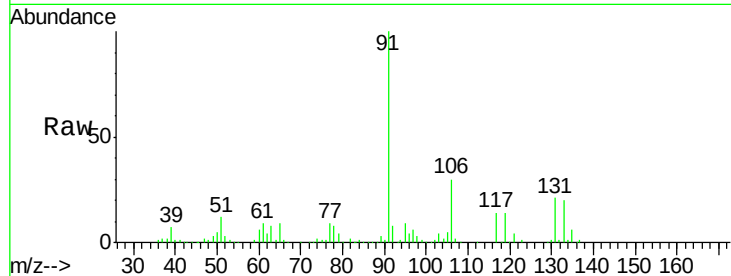




#67
Ethyl Benzene
Concen: 20.055 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

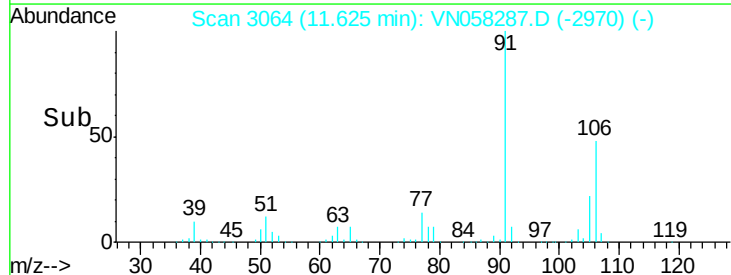
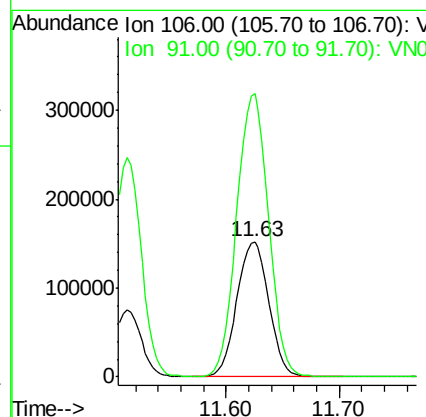
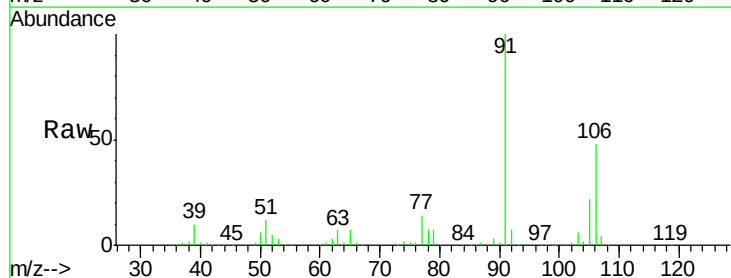
Instrument :
MSVOA_N
ClientSampleId :
VN0923MBS01

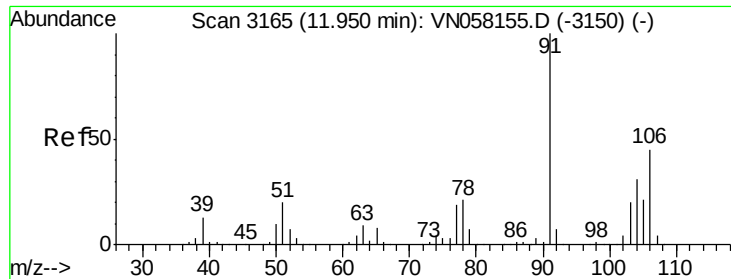
Tot Ion: 91 Resp: 414131
Ion Ratio Lower Upper
91 100
106 30.4 24.0 36.0



#68
m/p-Xylenes
Concen: 38.393 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Tgt Ion: 106 Resp: 298601
Ion Ratio Lower Upper
106 100
91 208.5 163.6 245.4

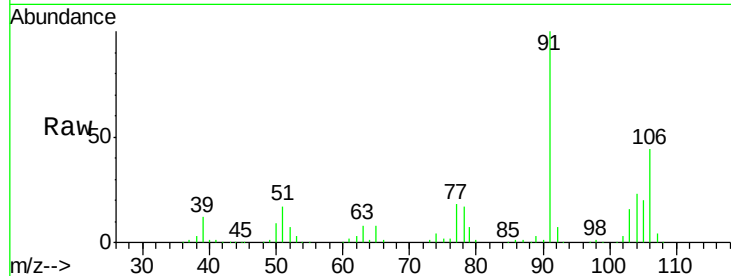




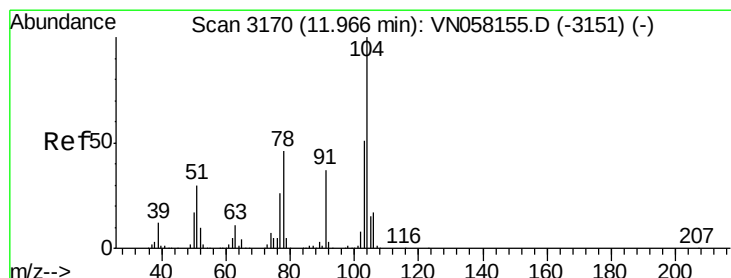
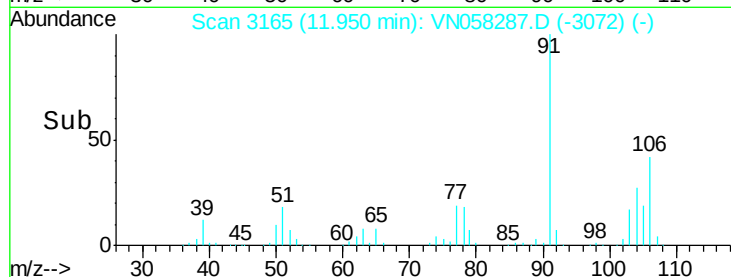
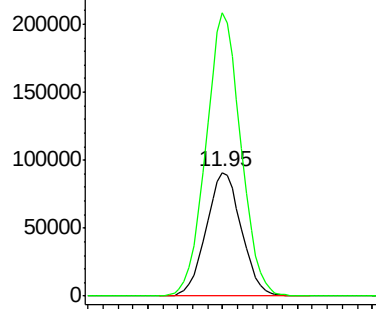
#69
o-Xylene
Concen: 19.522 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBS01

Tot Ion:106 Resp: 149299
Ion Ratio Lower Upper
106 100
91 225.7 111.8 335.3

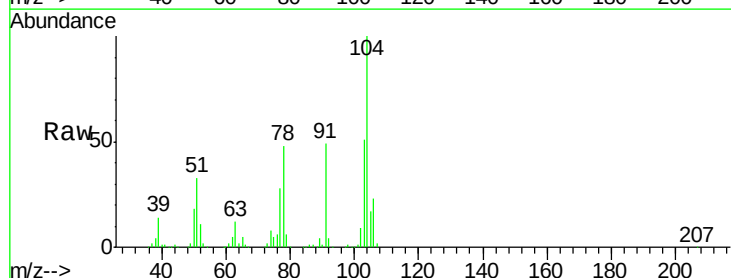


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

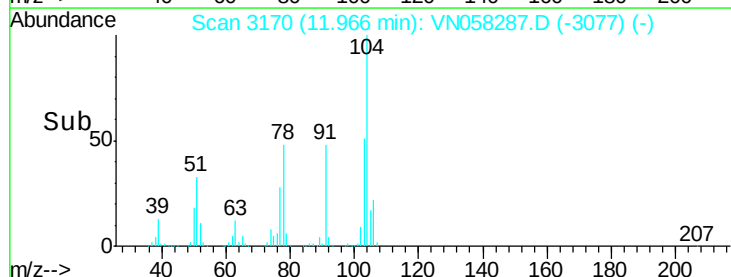
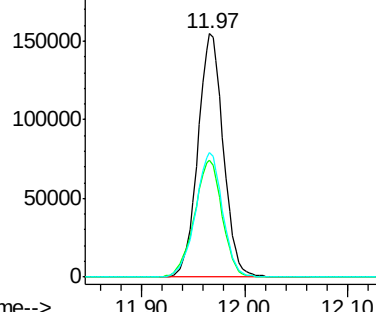


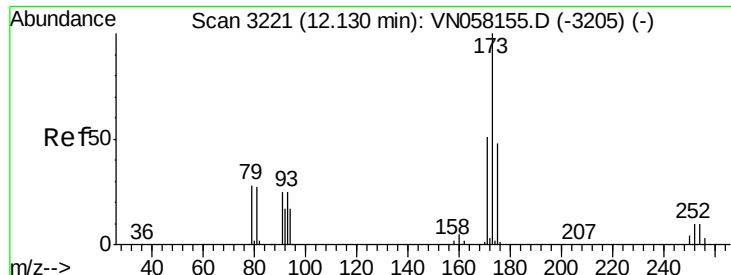
#70
Styrene
Concen: 20.215 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058287.D
Acq: 23 Sep 2019 13:18

Tgt Ion:104 Resp: 266364
Ion Ratio Lower Upper
104 100
78 52.3 41.8 62.8
103 54.2 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.009 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBS01

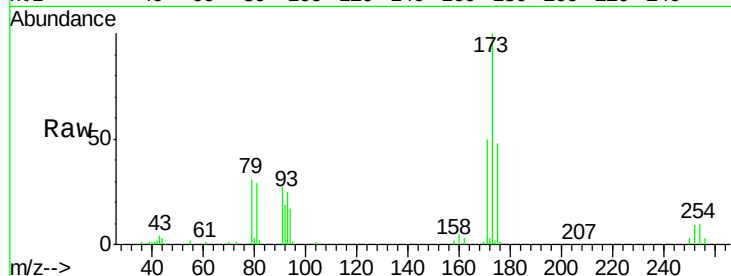
Tot Ion:173 Resp: 57299

Ion Ratio Lower Upper

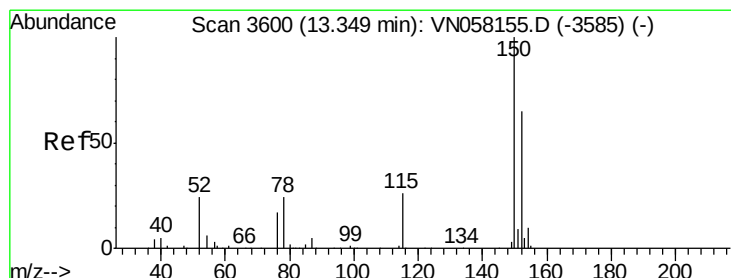
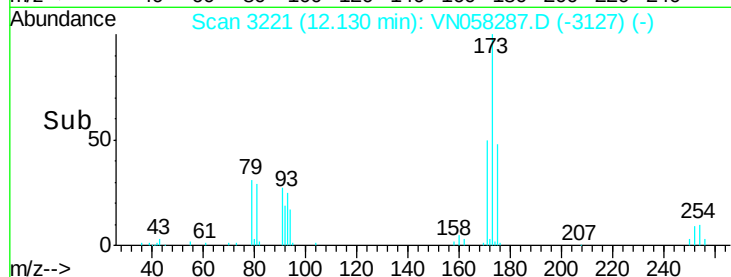
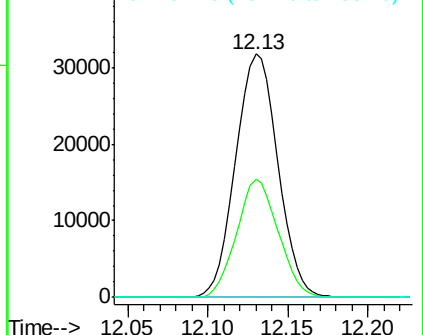
173 100

175 47.5 24.2 72.6

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# 3601

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

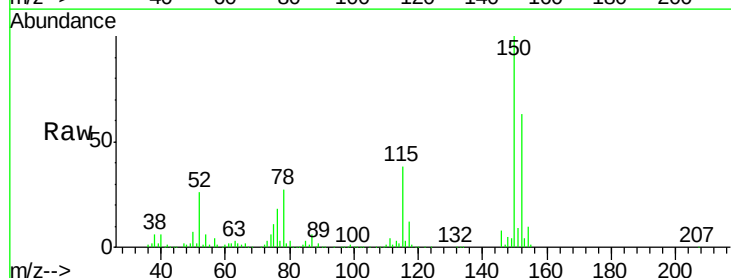
Tgt Ion:152 Resp: 321729

Ion Ratio Lower Upper

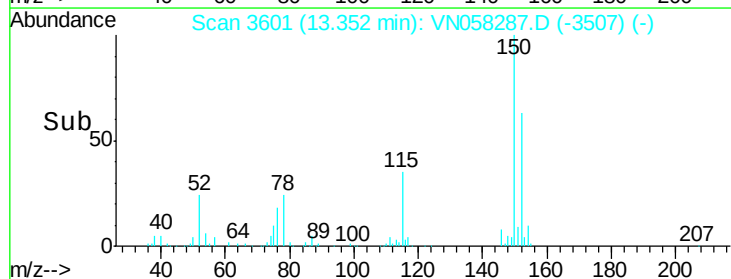
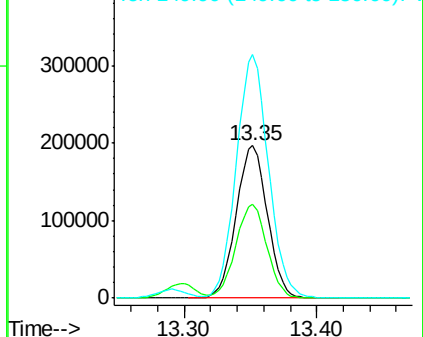
152 100

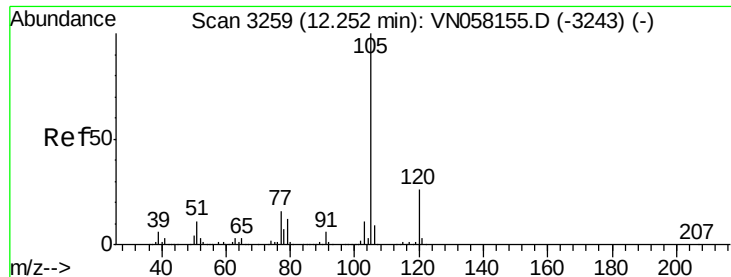
115 61.2 30.1 90.3

150 164.5 0.0 346.4



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: 21.174 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampled :

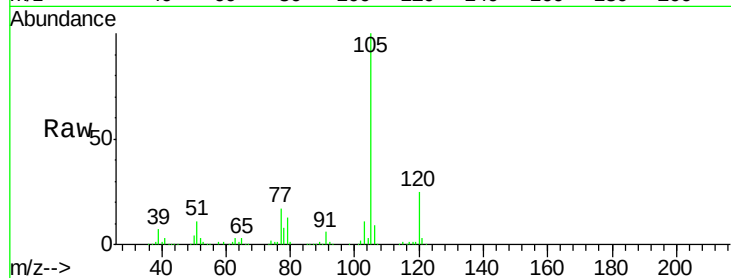
VN0923MBS01

Tot Ion:105 Resp: 426407

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.26

250000

200000

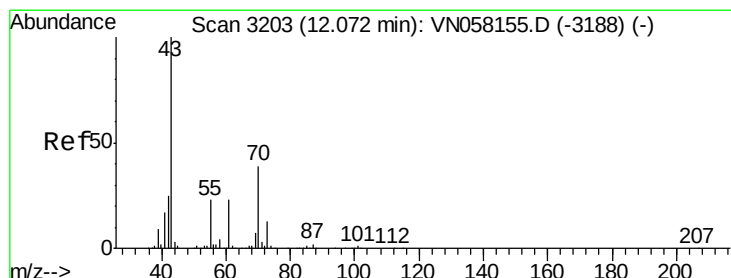
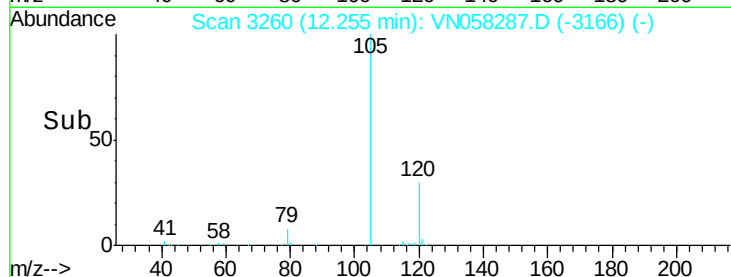
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 22.371 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Tgt Ion: 43 Resp: 188465

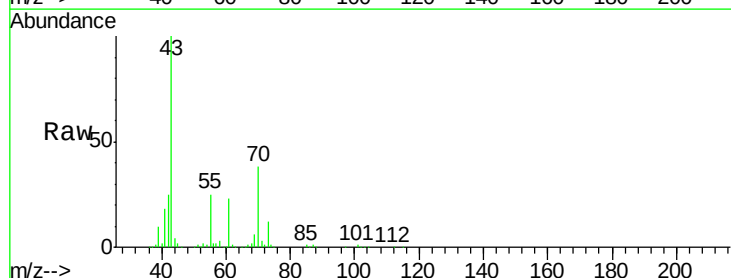
Ion Ratio Lower Upper

43 100

70 37.7 31.0 46.6

55 24.4 18.5 27.7

61 22.6 18.2 27.2



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

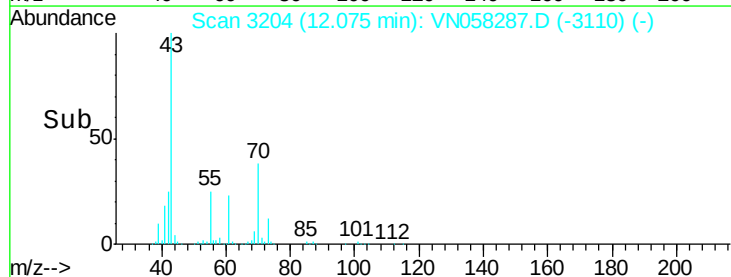
150000

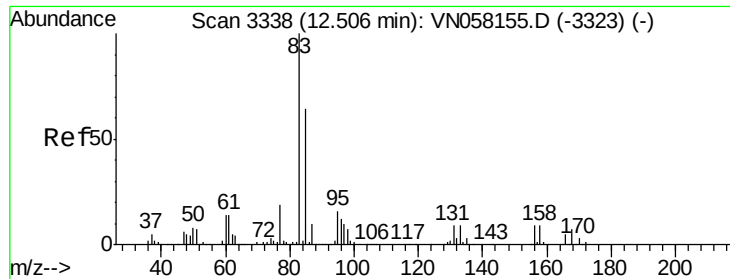
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.572 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBS01

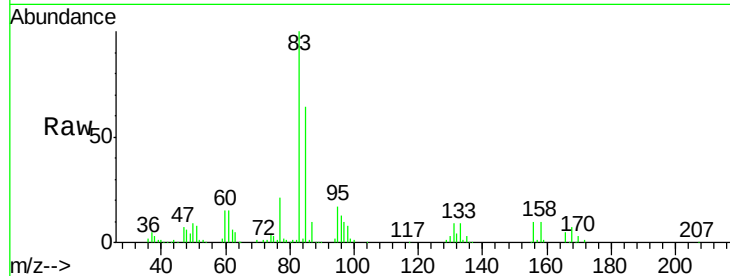
Tot Ion: 83 Resp: 152218

Ion Ratio Lower Upper

83 100

131 9.3 4.8 14.3

85 64.8 31.9 95.5

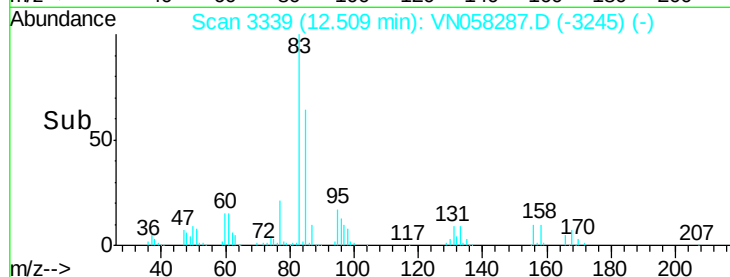


Abundance Ion 82.90 (82.60 to 83.60): VN058287.D (-3338) (-)

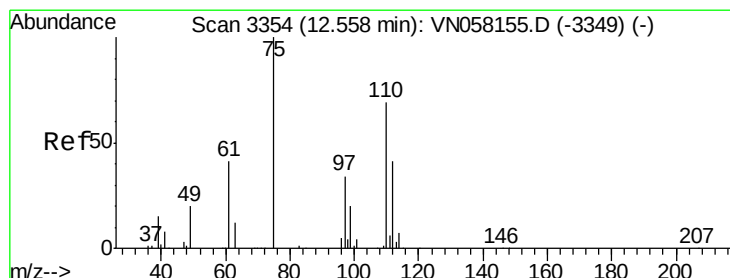
Ion 130.80 (130.50 to 131.50): VN058287.D (-3338) (-)

Ion 84.90 (84.60 to 85.60): VN058287.D (-3338) (-)

12.51



Time-->



#76

1,2,3-Trichloropropane

Concen: 31.542 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058287.D

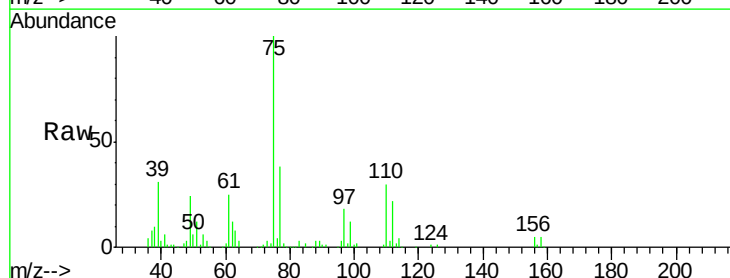
Acq: 23 Sep 2019 13:18

Tgt Ion: 75 Resp: 181615

Ion Ratio Lower Upper

75 100

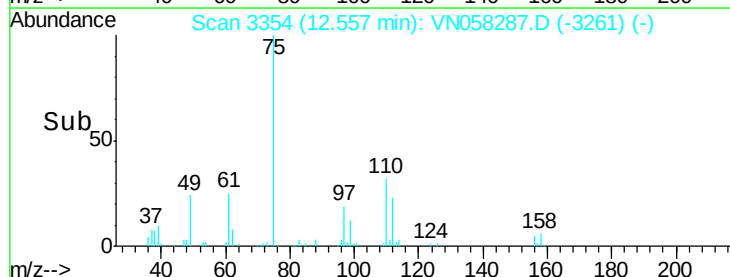
77 0.0 0.0 0.0



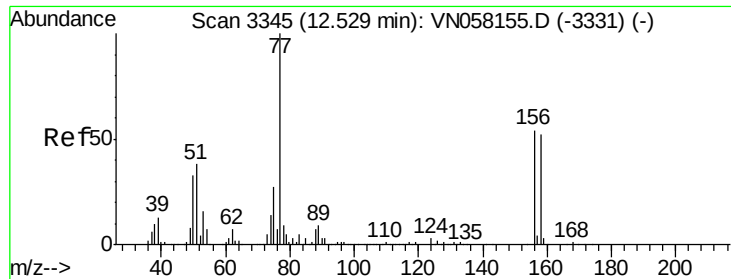
Abundance Ion 74.90 (74.60 to 75.60): VN058287.D (-3354) (-)

Ion 77.00 (76.70 to 77.70): VN058287.D (-3354) (-)

12.56



Time-->



#77

Bromobenzene

Concen: 19.628 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampled :

VN0923MBS01

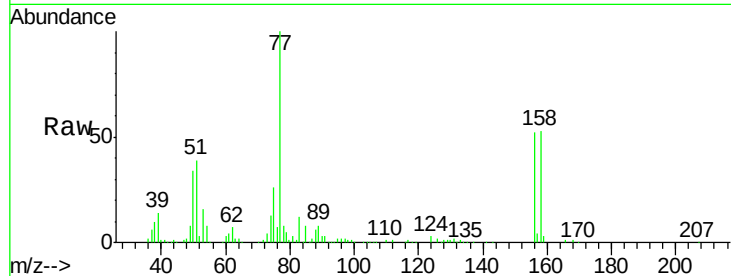
Tot Ion:156 Resp: 99426

Ion Ratio Lower Upper

156 100

77 232.8 111.7 335.1

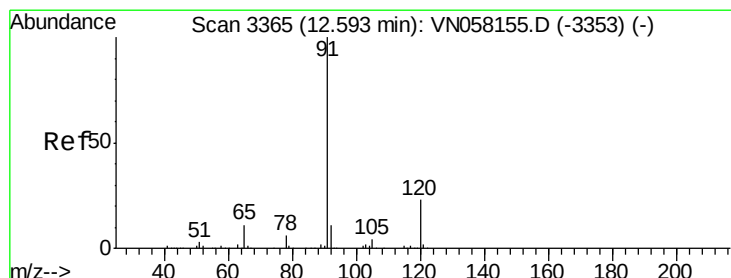
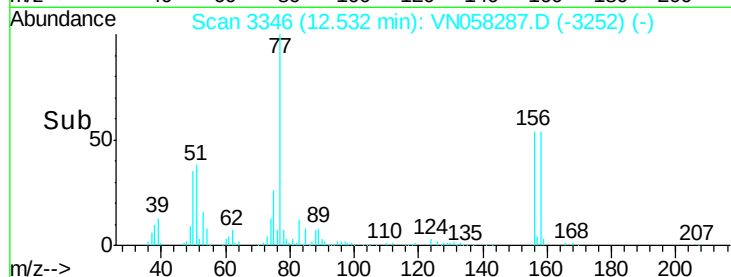
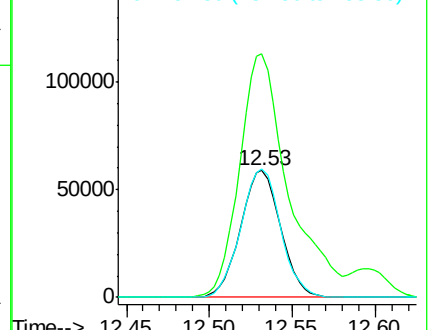
158 100.5 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.731 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058287.D

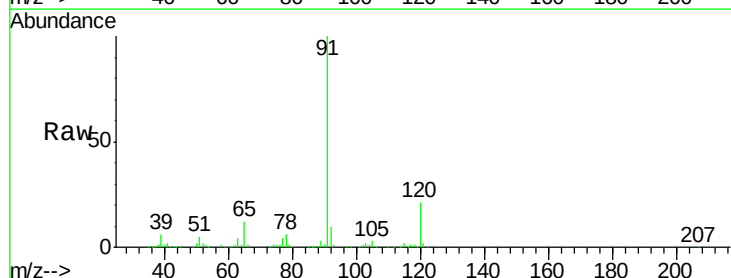
Acq: 23 Sep 2019 13:18

Tgt Ion: 91 Resp: 497297

Ion Ratio Lower Upper

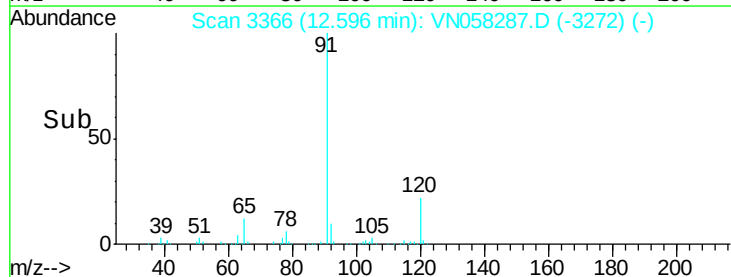
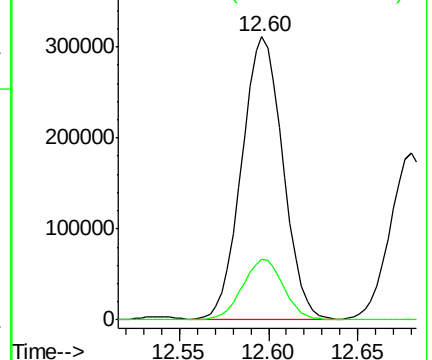
91 100

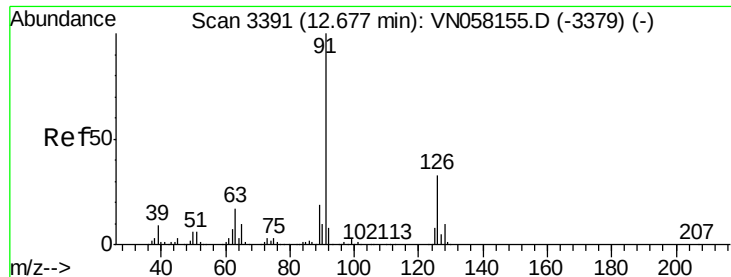
120 21.4 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.780 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

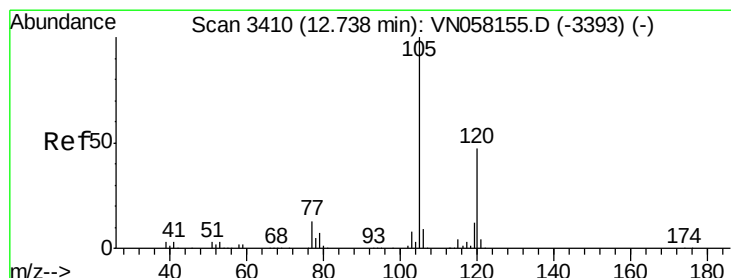
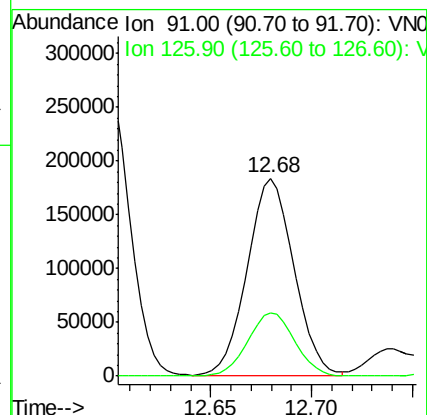
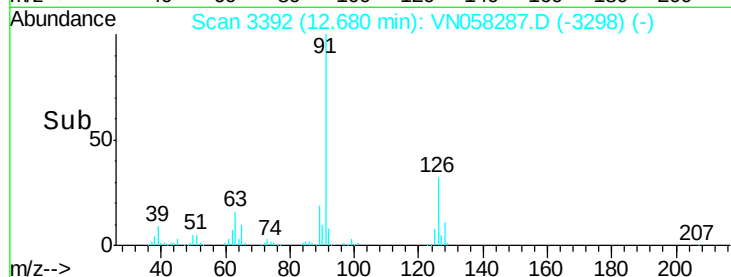
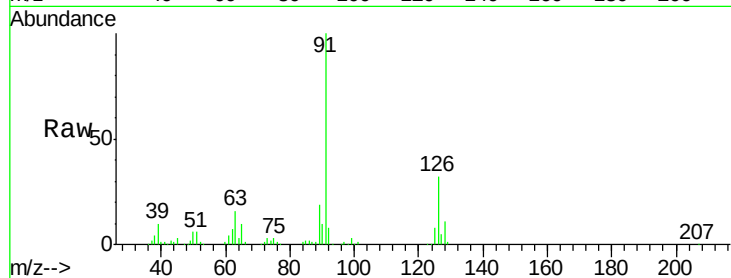
VN0923MBS01

Tot Ion: 91 Resp: 297191

Ion Ratio Lower Upper

91 100

126 32.6 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 21.194 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058287.D

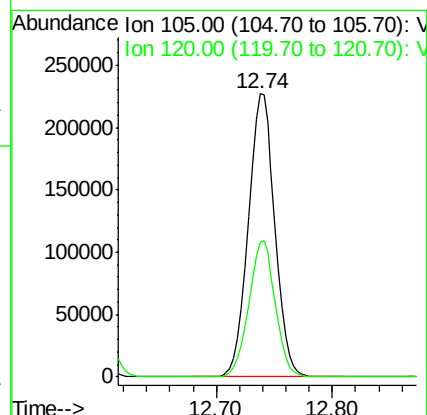
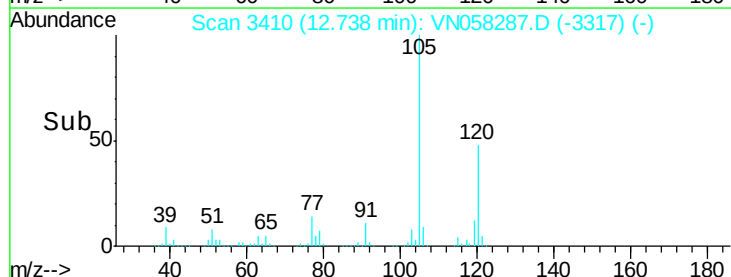
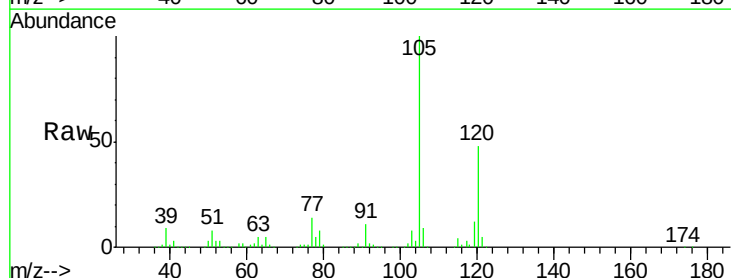
Acq: 23 Sep 2019 13:18

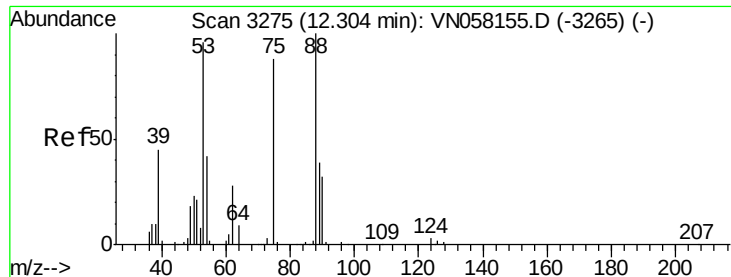
Tgt Ion: 105 Resp: 360911

Ion Ratio Lower Upper

105 100

120 47.8 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 21.586 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBS01

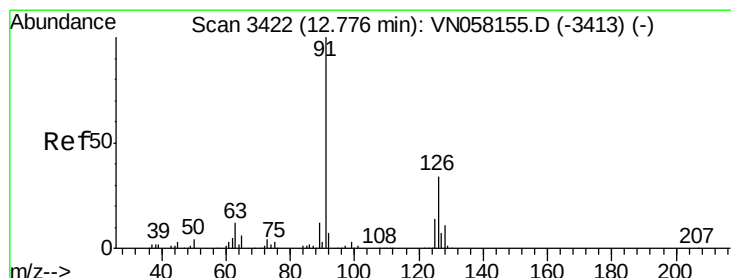
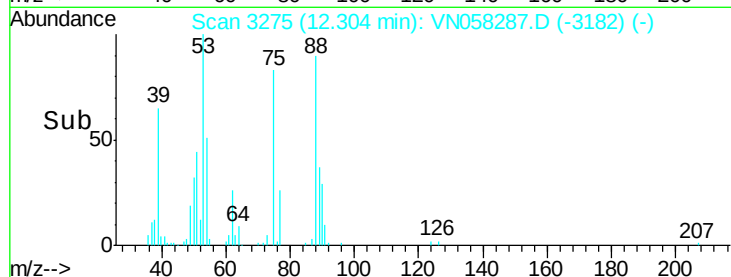
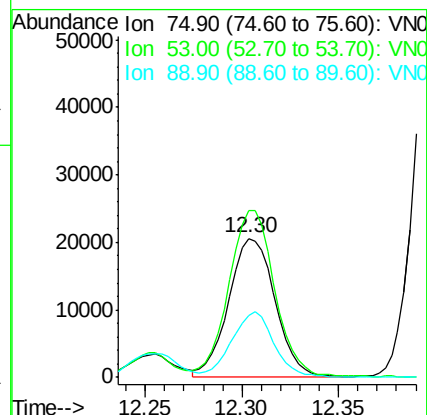
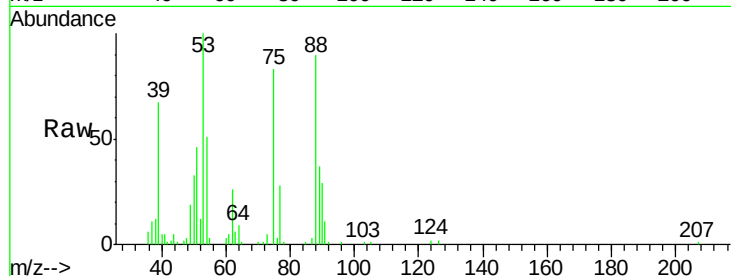
Tot Ion: 75 Resp: 34576

Ion Ratio Lower Upper

75 100

53 119.4 90.1 135.1

89 42.6 36.2 54.2



#82

4-Chlorotoluene

Concen: 20.629 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058287.D

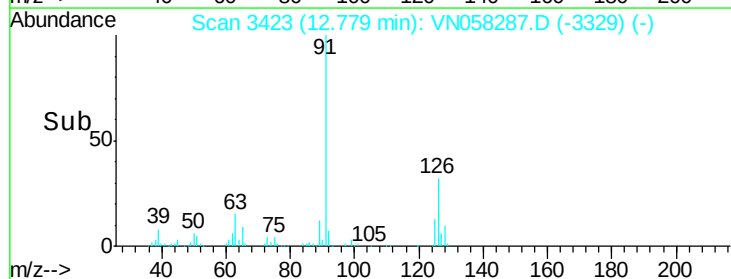
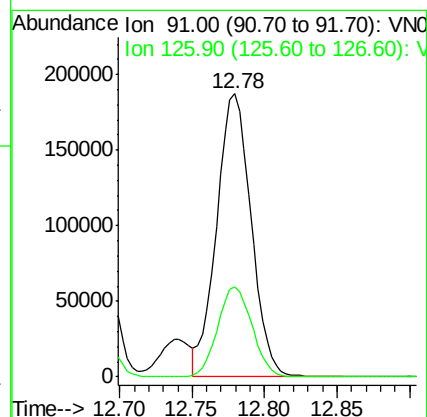
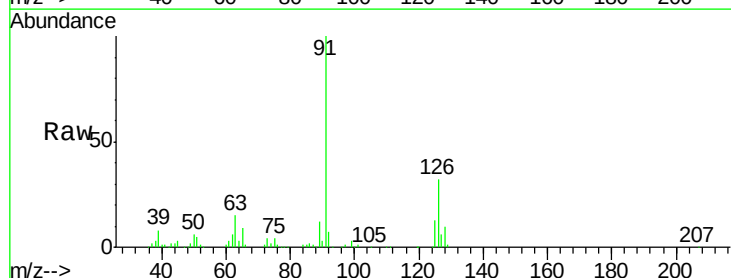
Acq: 23 Sep 2019 13:18

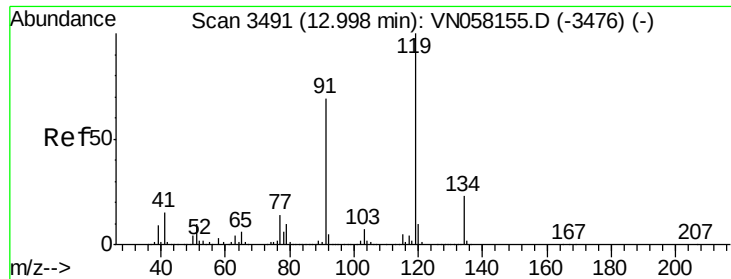
Tgt Ion: 91 Resp: 310132

Ion Ratio Lower Upper

91 100

126 31.9 15.7 47.1

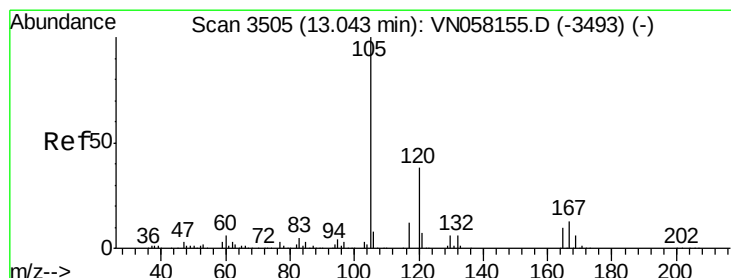
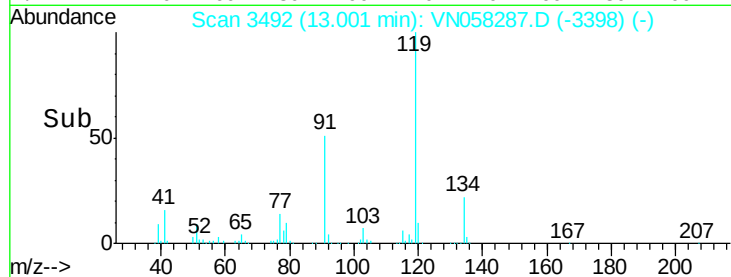
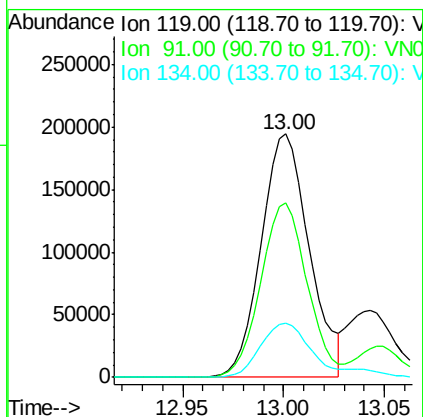
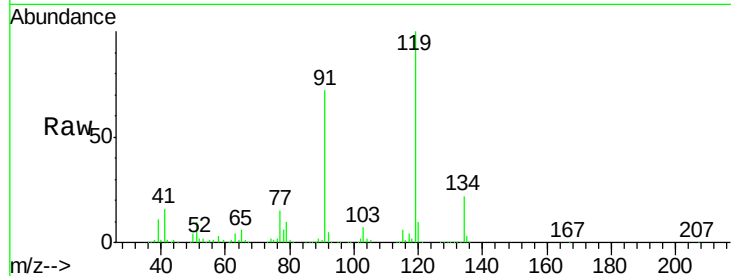




#83
 tert-Butylbenzene
 Concen: 21.254 ug/l
 RT: 13.00 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

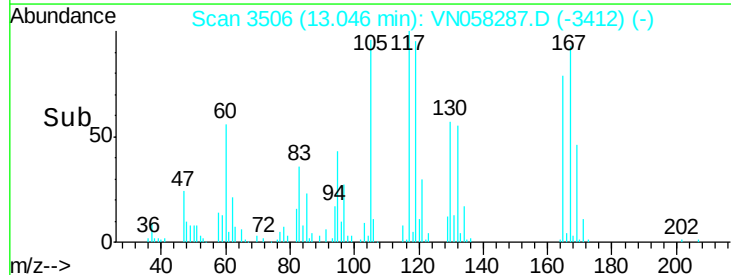
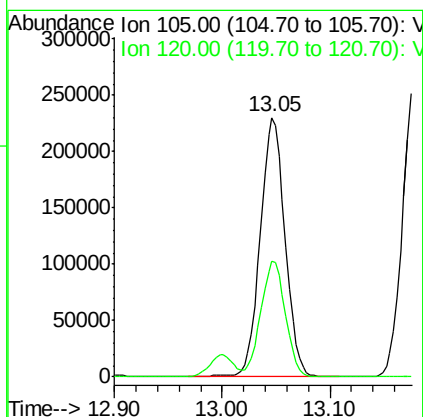
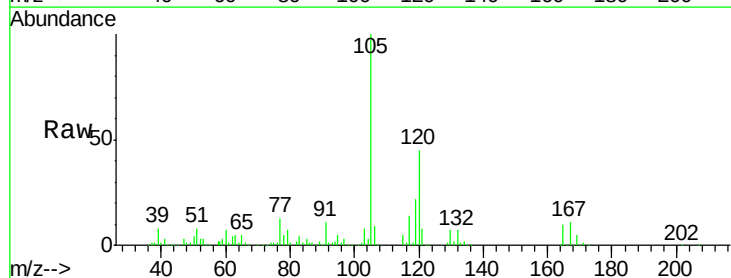
Instrument :
 MSVOA_N
 ClientSampled :
 VN0923MBS01

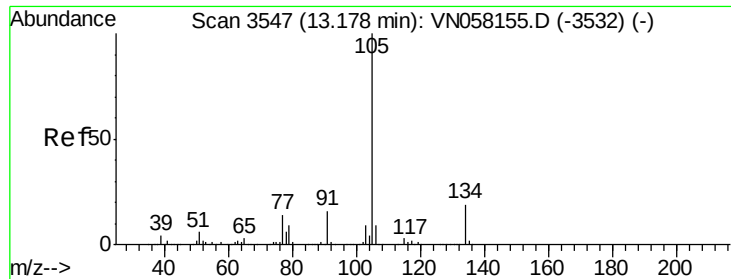
Tot Ion:119 Resp: 322766
 Ion Ratio Lower Upper
 119 100
 91 69.7 33.8 101.3
 134 23.1 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.625 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion:105 Resp: 366472
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.1 66.5





#85

sec-Butylbenzene

Concen: 21.435 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampled :

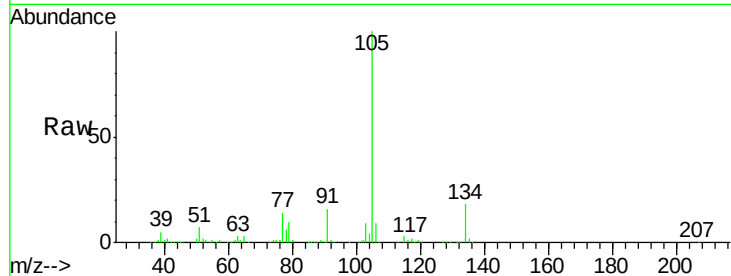
VN0923MBS01

Tot Ion:105 Resp: 425664

Ion Ratio Lower Upper

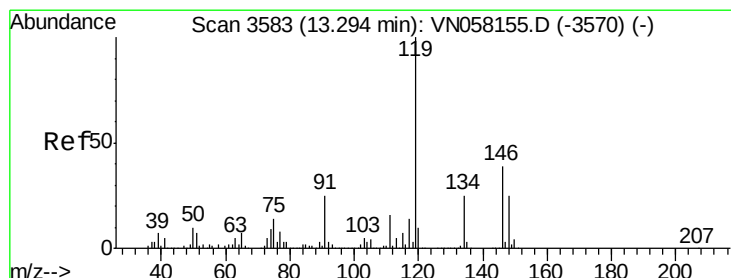
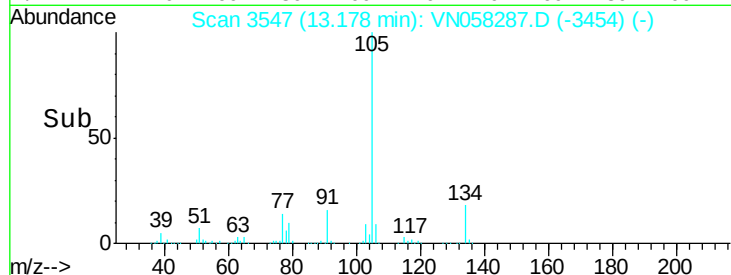
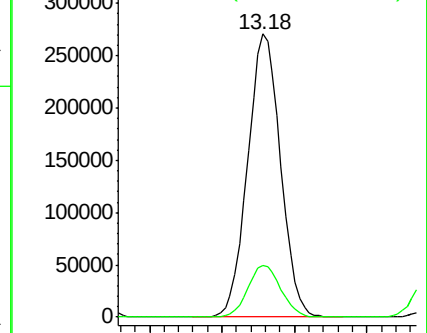
105 100

134 18.4 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.541 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

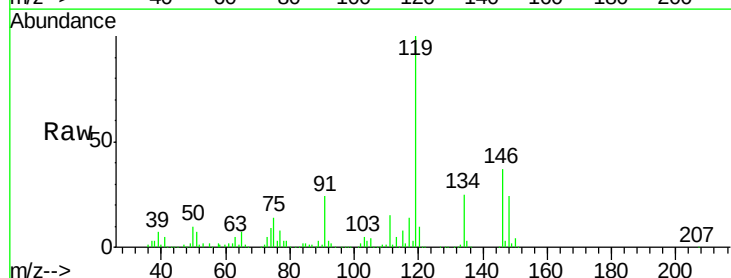
Tgt Ion:119 Resp: 380301

Ion Ratio Lower Upper

119 100

134 25.2 12.7 38.0

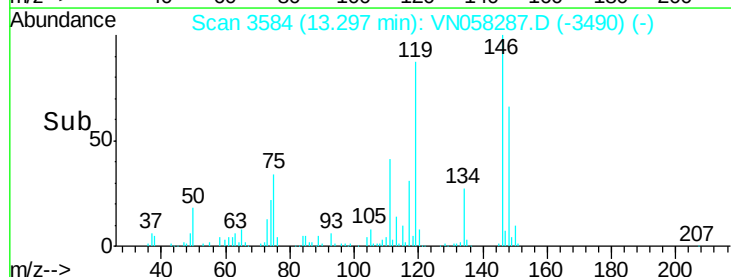
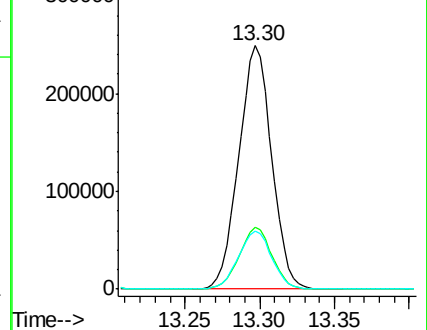
91 24.4 12.3 36.8

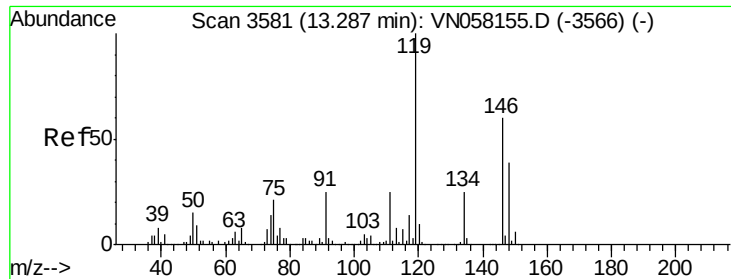


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

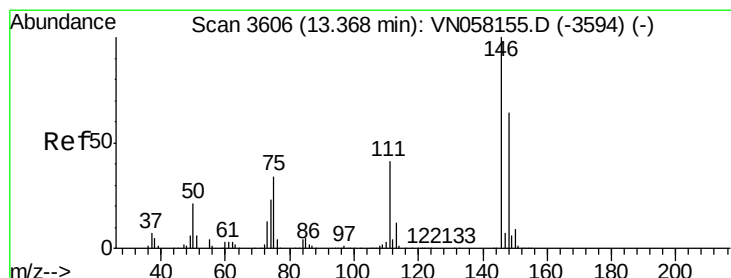
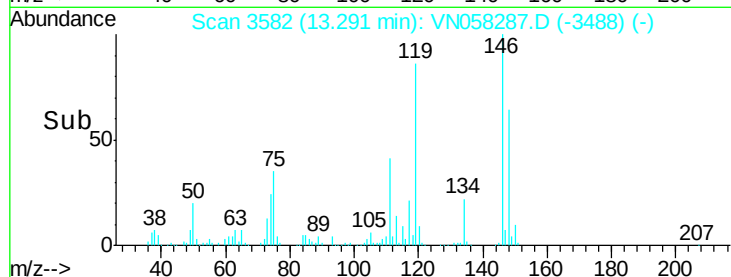
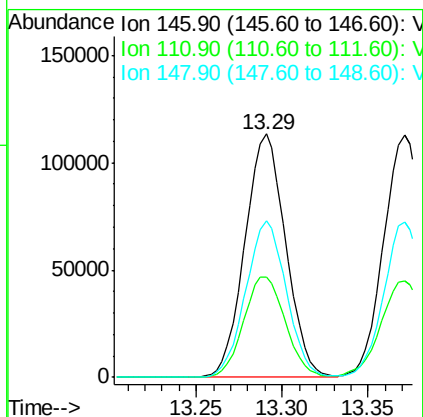
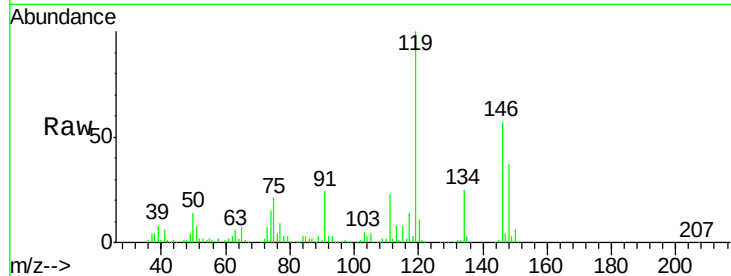




#87
 1,3-Dichlorobenzene
 Concen: 20.152 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

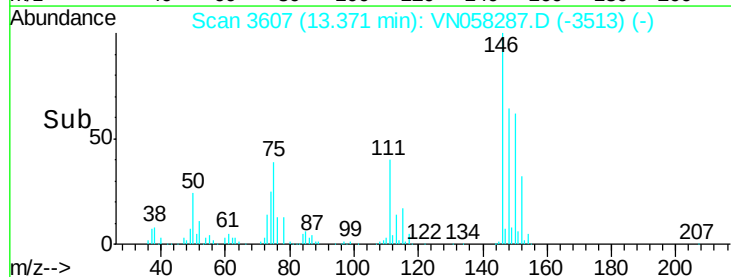
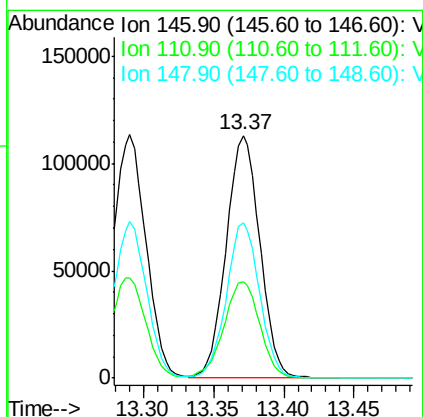
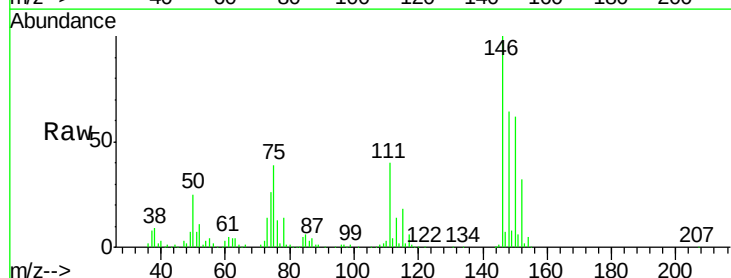
Instrument :
 MSVOA_N
 ClientSampled :
 VN0923MBS01

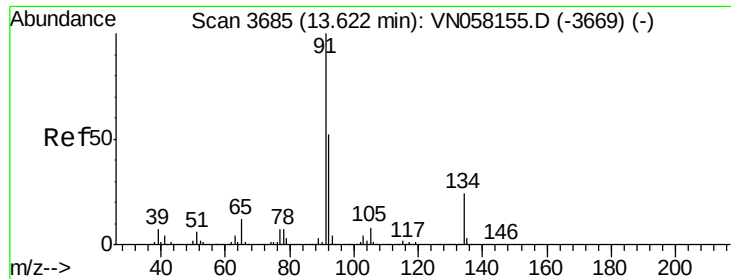
Tot Ion:146 Resp: 186454
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.9 62.8
 148 63.8 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.955 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion:146 Resp: 188489
 Ion Ratio Lower Upper
 146 100
 111 42.7 20.5 61.5
 148 63.5 31.9 95.5





#89

n-Butylbenzene

Concen: 19.991 ug/l

RT: 13.62 min Scan# 3686

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampled :

VN0923MBS01

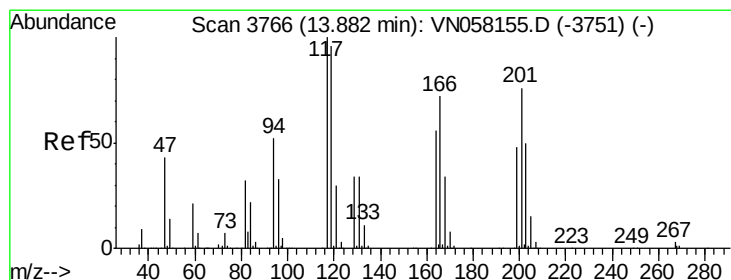
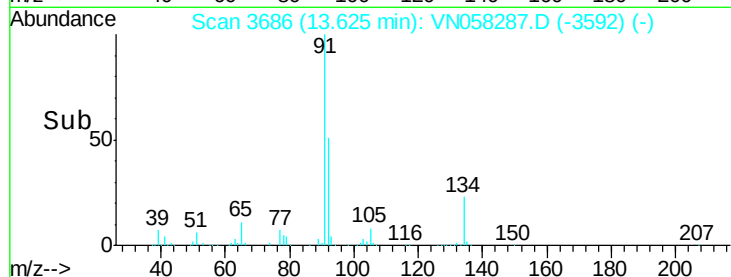
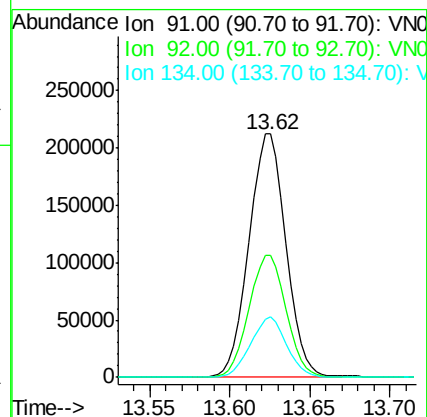
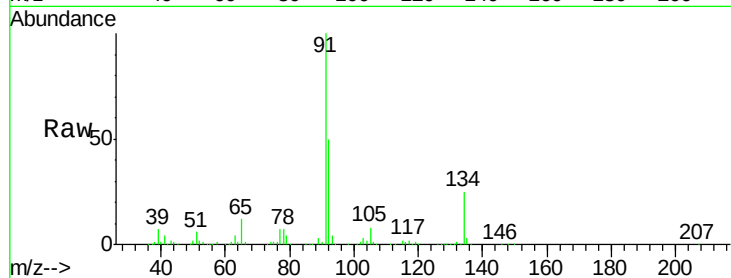
Tot Ion: 91 Resp: 334616

Ion Ratio Lower Upper

91 100

92 50.6 25.7 77.0

134 24.2 11.8 35.4



#90

Hexachloroethane

Concen: 21.050 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058287.D

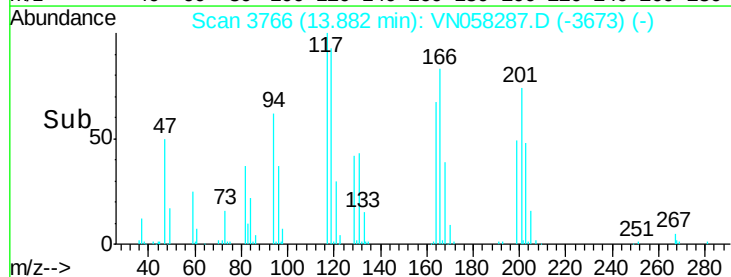
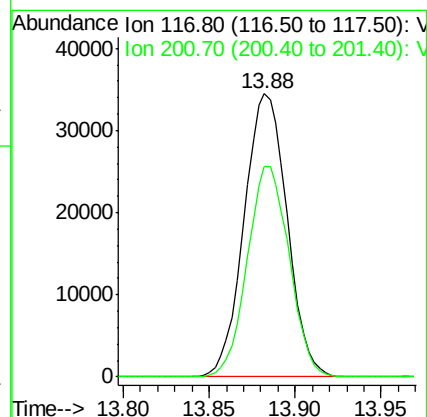
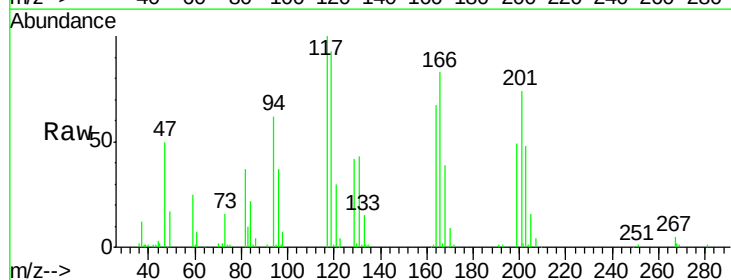
Acq: 23 Sep 2019 13:18

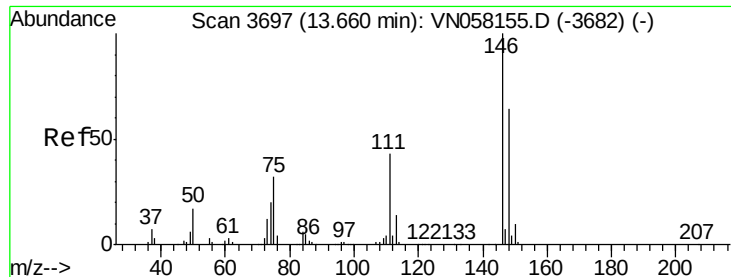
Tgt Ion: 117 Resp: 59806

Ion Ratio Lower Upper

117 100

201 72.5 37.5 112.5

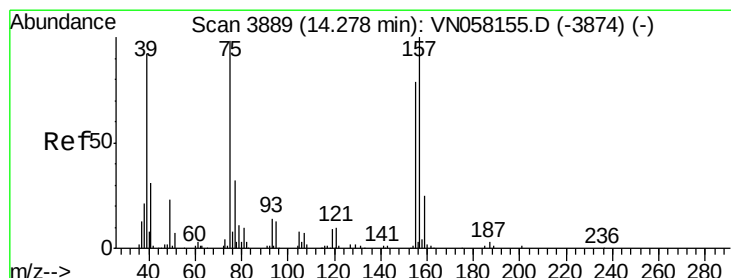
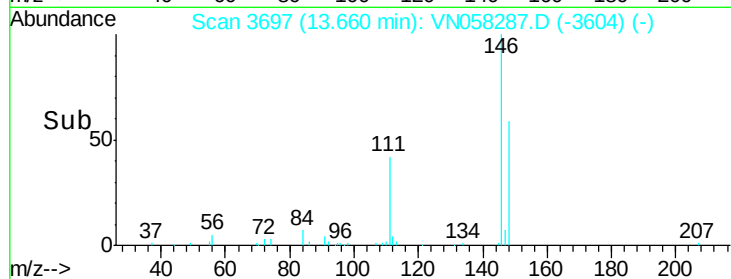
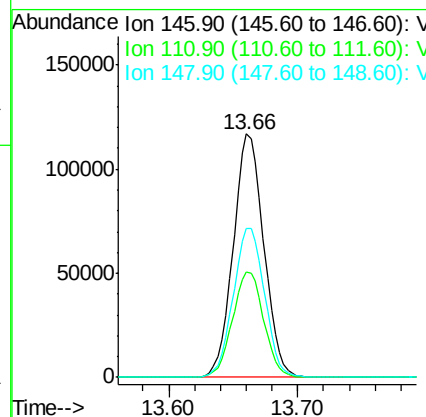
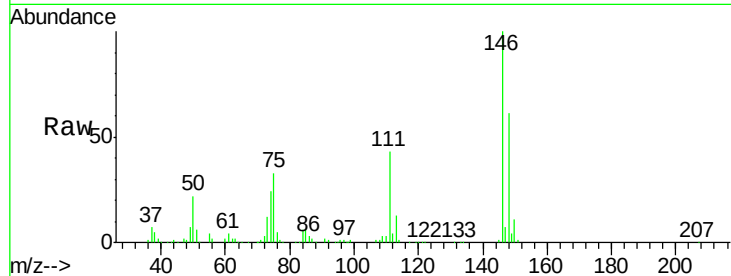




#91
 1,2-Dichlorobenzene
 Concen: 20.710 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

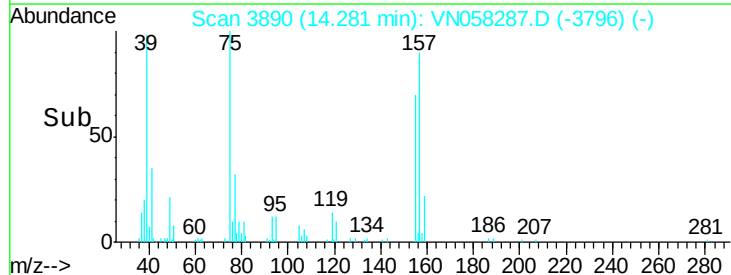
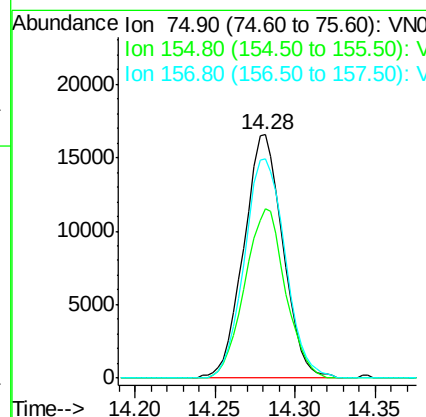
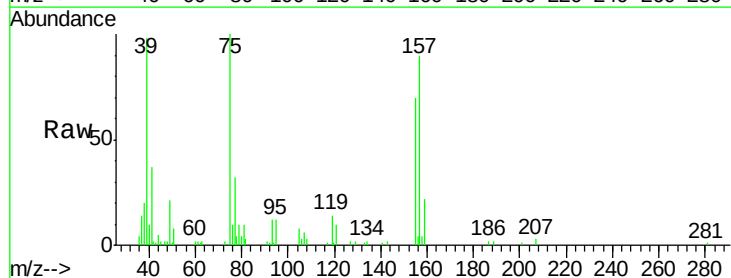
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBS01

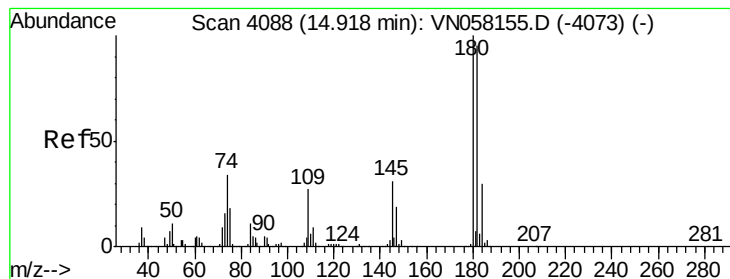
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.1	63.1
148	62.9	31.8	95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.749 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.2	38.3	114.8
157	94.1	48.0	144.0





#93

1,2,4-Trichlorobenzene

Concen: 19.239 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBS01

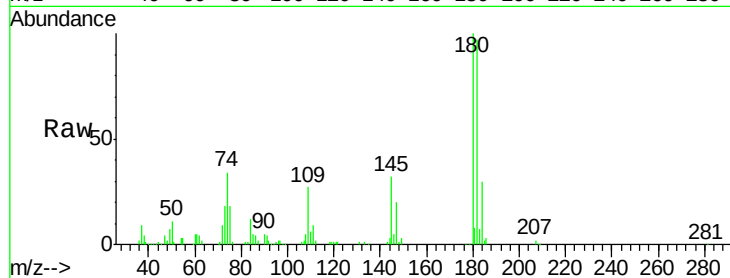
Tot Ion:180 Resp: 114086

Ion Ratio Lower Upper

180 100

182 94.9 47.8 143.3

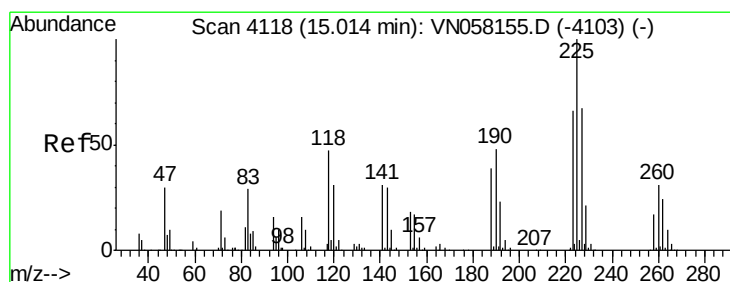
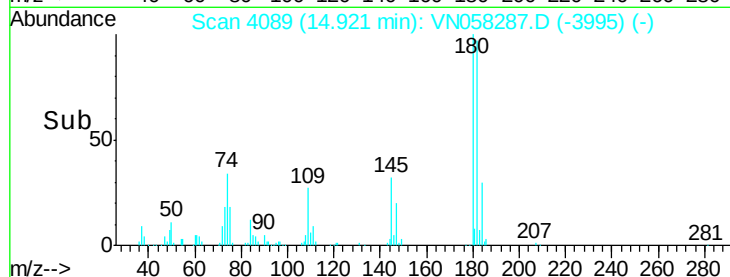
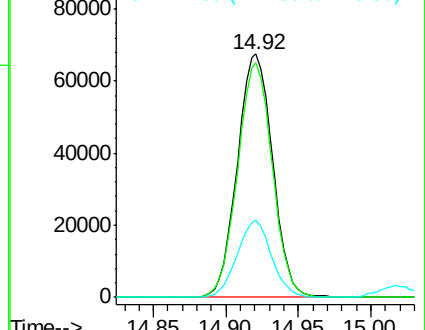
145 30.8 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 18.420 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

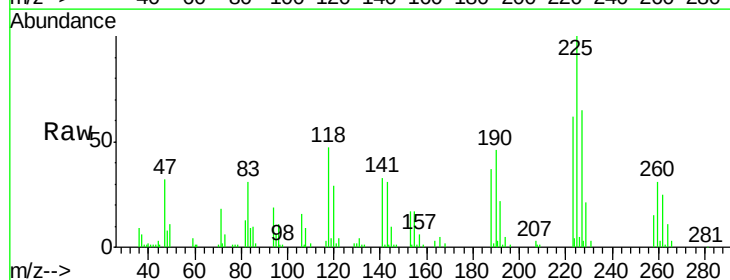
Tgt Ion:225 Resp: 52795

Ion Ratio Lower Upper

225 100

223 63.2 32.6 97.7

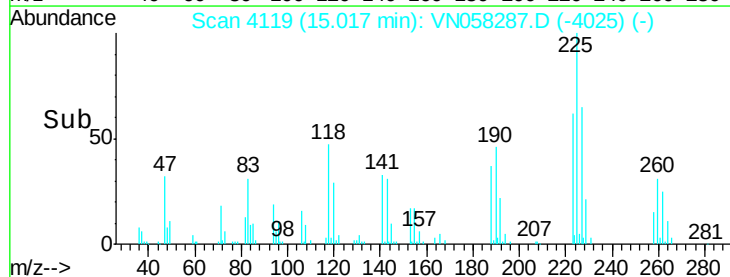
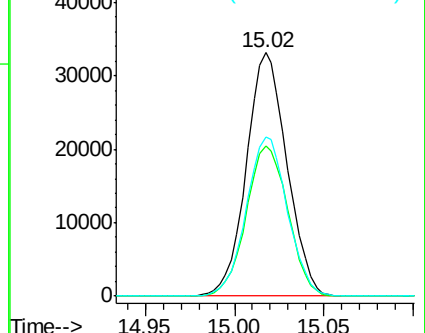
227 66.3 33.0 99.0

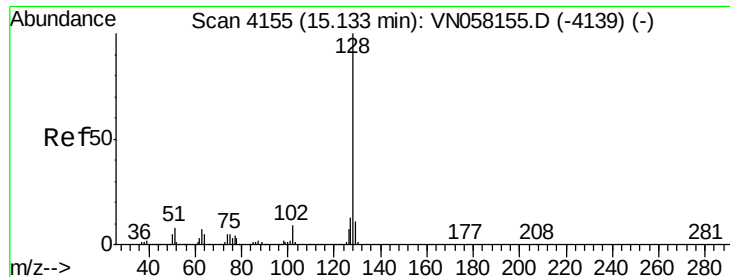


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.225 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampled :

VN0923MBS01

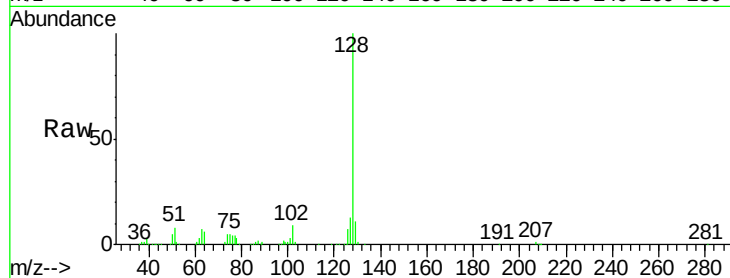
Tot Ion:128 Resp: 326186

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

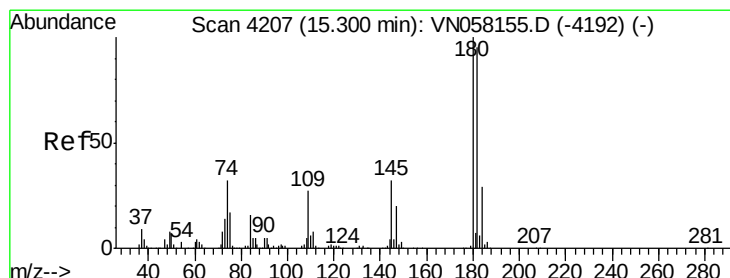
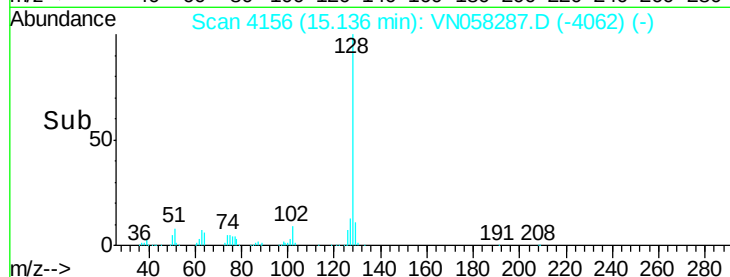
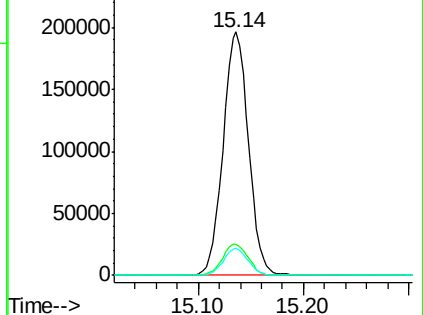
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.505 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058287.D

Acq: 23 Sep 2019 13:18

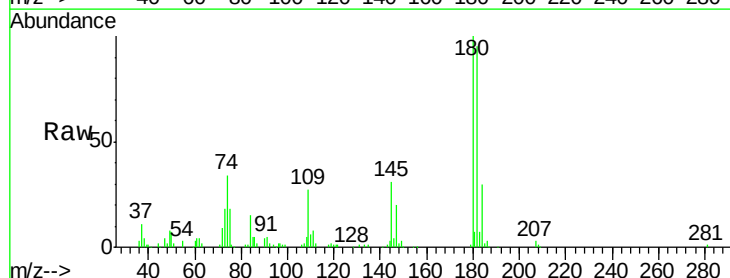
Tgt Ion:180 Resp: 109319

Ion Ratio Lower Upper

180 100

182 93.9 47.4 142.2

145 31.9 16.1 48.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

