

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092619\
 Data File : VN058397.D
 Acq On : 26 Sep 2019 20:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 27 02:40:05 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	481450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	817890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	709850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	334978	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	331258	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	7.57	113	240823	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
50) Toluene-d8	10.08	98	887720	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	
62) 4-Bromofluorobenzene	12.41	95	331604	46.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	154372	39.032	ug/l	99
3) Chloromethane	2.04	50	133906	43.796	ug/l	99
4) Vinyl Chloride	2.17	62	146858	43.943	ug/l	97
5) Bromomethane	2.50	94	53053	30.351	ug/l	96
6) Chloroethane	2.61	64	58528	26.588	ug/l	100
7) Trichlorofluoromethane	2.94	101	250405	46.385	ug/l	96
8) Diethyl Ether	3.38	74	127185	51.418	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	182293	46.836	ug/l	99
10) Methyl Iodide	3.91	142	133560	40.952	ug/l	97
11) Tert butyl alcohol	4.72	59	9556	11.980	ug/l #	71
12) 1,1-Dichloroethene	3.69	96	145308	49.189	ug/l	97
13) Acrolein	3.58	56	22871	193.479	ug/l	100
14) Allyl chloride	4.28	41	304615	47.829	ug/l	99
15) Acrylonitrile	4.97	53	576784	271.405	ug/l	99
16) Acetone	3.81	43	479674	210.737	ug/l	99
17) Carbon Disulfide	4.01	76	158335	38.147	ug/l	99
18) Methyl Acetate	4.30	43	338051	56.442	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	817067	55.658	ug/l	100
20) Methylene Chloride	4.52	84	202460	50.808	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	158239	49.157	ug/l	96
22) Diisopropyl ether	5.93	45	861623	53.258	ug/l	96
23) Vinyl Acetate	5.87	43	3102050	280.219	ug/l	99
24) 1,1-Dichloroethane	5.82	63	432546	50.094	ug/l	99
25) 2-Butanone	6.82	43	774923	249.894	ug/l	100
26) 2,2-Dichloropropane	6.80	77	326828	44.616	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	242568	49.683	ug/l	99
28) Bromochloromethane	7.18	49	205036	50.196	ug/l	100
29) Tetrahydrofuran	7.20	42	493060	258.128	ug/l	99
30) Chloroform	7.35	83	459020	49.387	ug/l	98
31) Cyclohexane	7.63	56	254525	45.379	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	361074	51.031	ug/l	99
36) 1,1-Dichloropropene	7.77	75	259909	44.066	ug/l	99
37) Ethyl Acetate	6.91	43	334044	54.573	ug/l	99
38) Carbon Tetrachloride	7.75	117	276441	46.625	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	246686	43.267	ug/l	99
40) Benzene	8.02	78	854543	47.435	ug/l	99
41) Methacrylonitrile	7.15	41	137347	44.640	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	370428	49.003	ug/l	99
43) Isopropyl Acetate	8.15	43	613170	53.638	ug/l #	91
44) Trichloroethene	8.82	130	209290	47.474	ug/l	100
45) 1,2-Dichloropropane	9.11	63	272448	50.641	ug/l	99
46) Dibromomethane	9.20	93	161207	49.285	ug/l	100
47) Bromodichloromethane	9.39	83	347466	50.706	ug/l	98
48) Methyl methacrylate	9.19	41	271548	52.317	ug/l	98
49) 1,4-Dioxane	9.20	88	52806	619.659	ug/l	90
51) 4-Methyl-2-Pentanone	9.99	43	1711040	281.791	ug/l	99
52) Toluene	10.15	92	568702	50.371	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	376601	53.651	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	396114	51.112	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	256599	51.214	ug/l	98
56) Ethyl methacrylate	10.43	69	384530	53.192	ug/l	98
57) 1,3-Dichloropropane	10.71	76	435010	50.504	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	970094	281.726	ug/l	99
59) 2-Hexanone	10.76	43	1299795	288.227	ug/l	96
60) Dibromochloromethane	10.90	129	264556	54.885	ug/l	99
61) 1,2-Dibromoethane	11.00	107	241168	51.939	ug/l	99
64) Tetrachloroethene	10.63	164	165768	47.905	ug/l	97
65) Chlorobenzene	11.44	112	613068	49.101	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	247178	54.596	ug/l	99
67) Ethyl Benzene	11.51	91	1118980	52.303	ug/l	100
68) m/p-Xylenes	11.62	106	818119	101.532	ug/l	98
69) o-Xylene	11.95	106	408102	51.508	ug/l	99
70) Styrene	11.97	104	715371	52.403	ug/l	99
71) Bromoform	12.13	173	158045	47.295	ug/l #	98
73) Isopropylbenzene	12.26	105	1139919	54.366	ug/l	99
74) N-amyl acetate	12.08	43	546164	62.265	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	395551	56.334	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	478681	79.846	ug/l #	100
77) Bromobenzene	12.53	156	271454	51.468	ug/l	98
78) n-propylbenzene	12.60	91	1316717	55.263	ug/l	99
79) 2-Chlorotoluene	12.68	91	796186	53.469	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	973333	54.896	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	108738	53.523	ug/l	96
82) 4-Chlorotoluene	12.78	91	836250	53.425	ug/l	99
83) tert-Butylbenzene	13.00	119	845101	53.448	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	984574	55.800	ug/l	100
85) sec-Butylbenzene	13.18	105	1109472	53.659	ug/l	100
86) p-Isopropyltoluene	13.30	119	992686	54.004	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	505194	52.443	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	513616	52.225	ug/l	99
89) n-Butylbenzene	13.62	91	887757	50.941	ug/l	99
90) Hexachloroethane	13.88	117	155342	48.295	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	521930	54.012	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	76058	60.168	ug/l	99

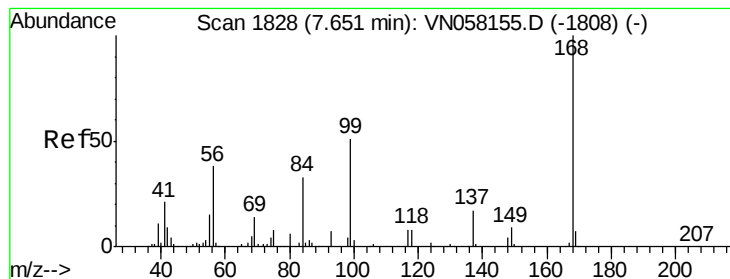
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	333799	54.065	ug/l	100
94) Hexachlorobutadiene	15.02	225	128591	43.092	ug/l	99
95) Naphthalene	15.13	128	976102	61.004	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	308940	52.941	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

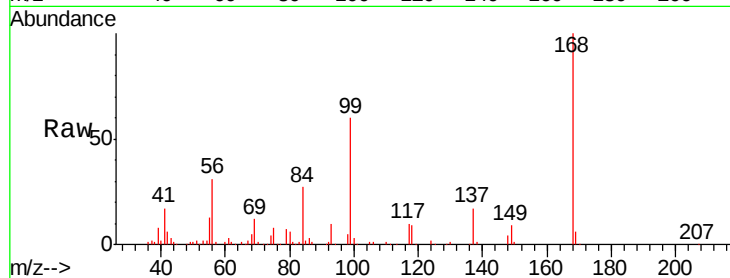
VSTDCCC050EC

Tgt Ion:168 Resp: 481450

Ion Ratio Lower Upper

168 100

99 59.3 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

100000

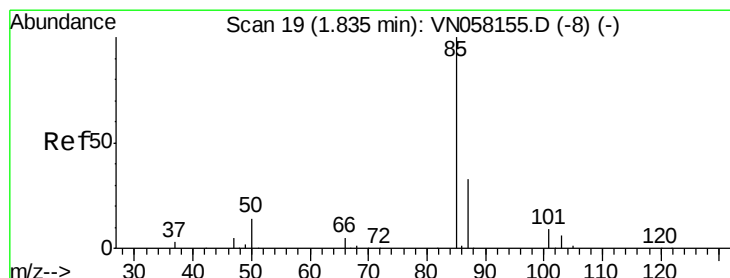
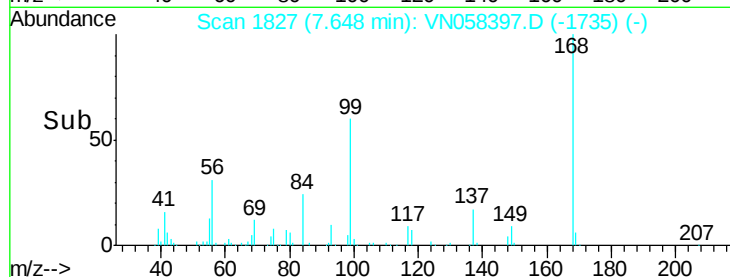
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 39.032 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058397.D

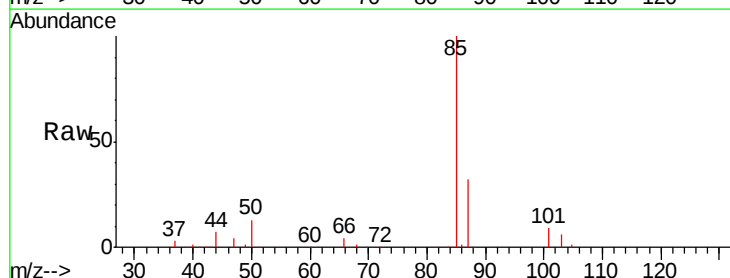
Acq: 26 Sep 2019 20:07

Tgt Ion: 85 Resp: 154372

Ion Ratio Lower Upper

85 100

87 31.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

100000

80000

60000

40000

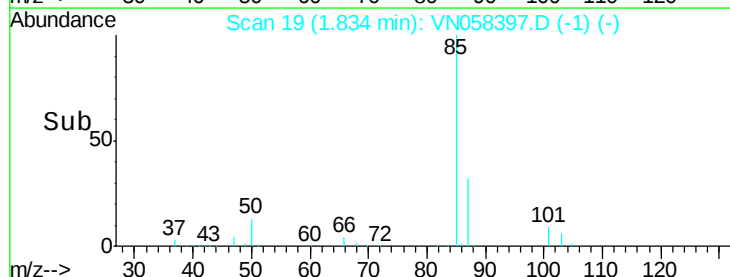
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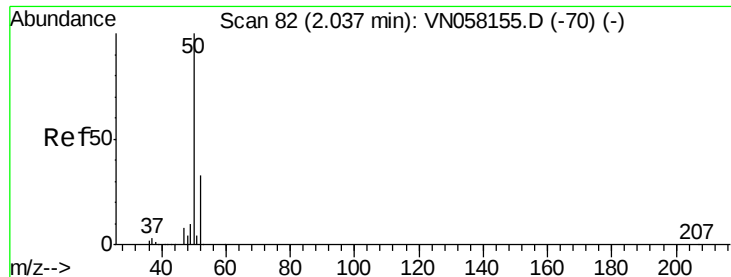
0

1.80

1.90

Time-->





#3

Chloromethane

Concen: 43.796 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

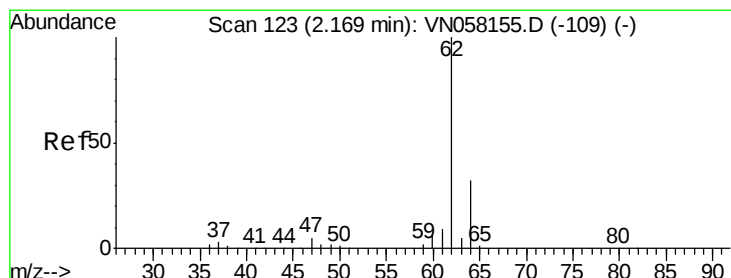
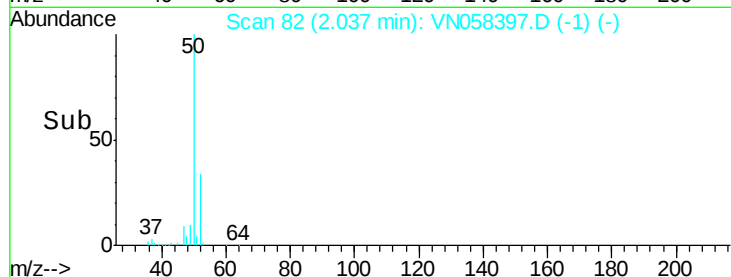
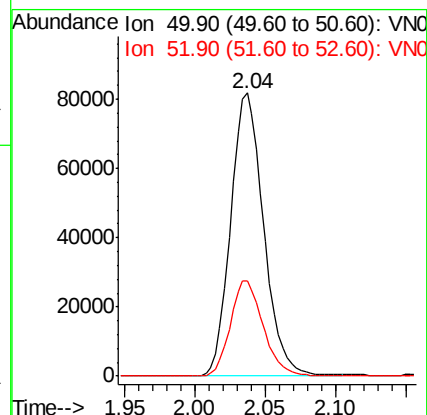
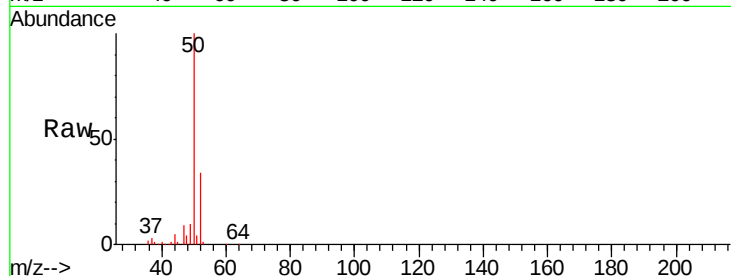
VSTDCCC050EC

Tgt Ion: 50 Resp: 133906

Ion Ratio Lower Upper

50 100

52 33.5 26.3 39.5



#4

Vinyl Chloride

Concen: 43.943 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN058397.D

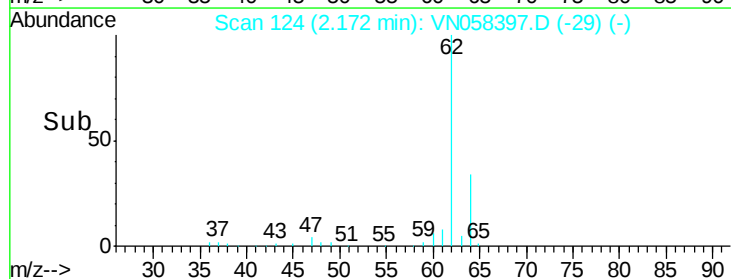
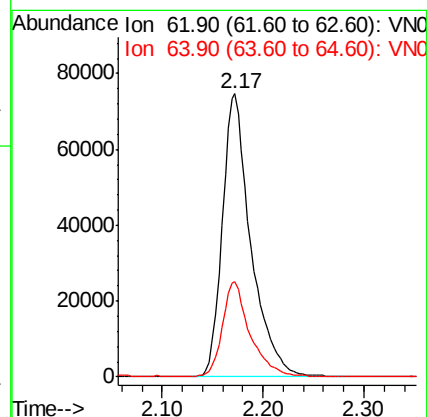
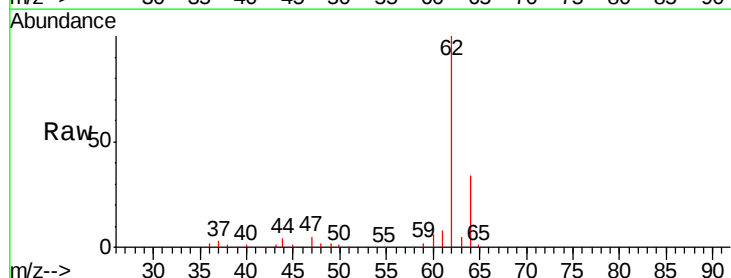
Acq: 26 Sep 2019 20:07

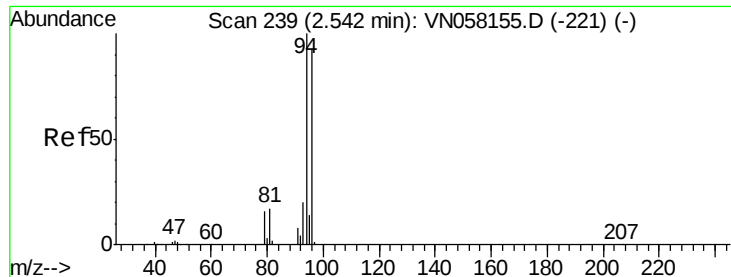
Tgt Ion: 62 Resp: 146858

Ion Ratio Lower Upper

62 100

64 33.5 25.4 38.2





#5

Bromomethane

Concen: 30.351 ug/l

RT: 2.50 min Scan# 227

Delta R.T. -0.04 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

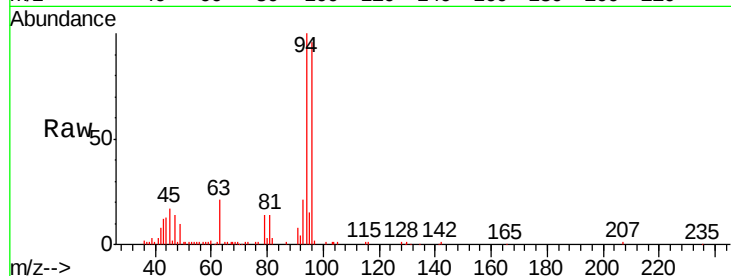
VSTDCCC050EC

Tgt Ion: 94 Resp: 53053

Ion Ratio Lower Upper

94 100

96 95.6 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.50

40000

30000

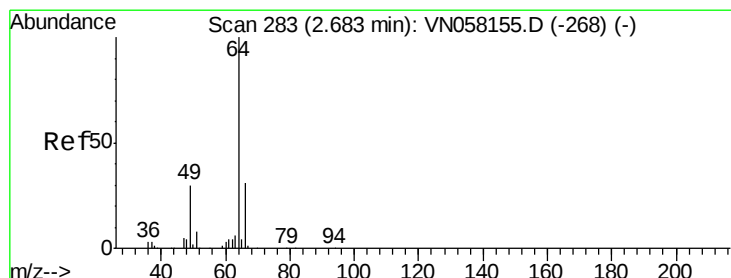
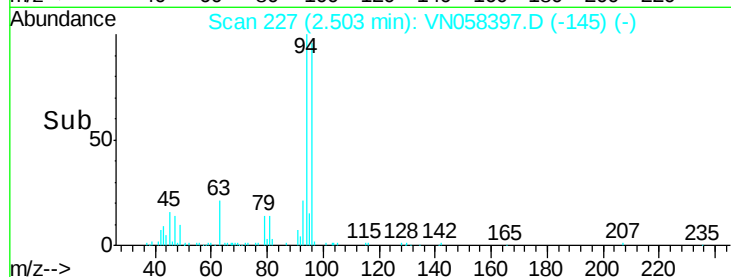
20000

10000

0

2.40 2.45 2.50 2.55

Time-->



#6

Chloroethane

Concen: 26.588 ug/l

RT: 2.61 min Scan# 260

Delta R.T. -0.07 min

Lab File: VN058397.D

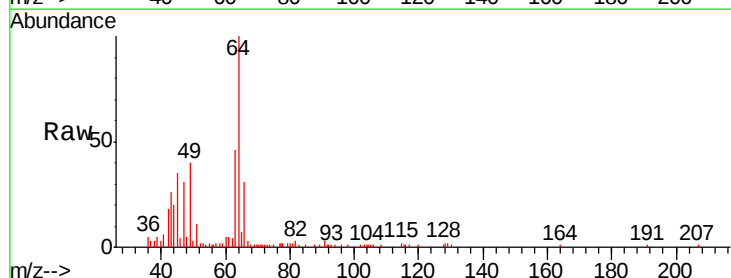
Acq: 26 Sep 2019 20:07

Tgt Ion: 64 Resp: 58528

Ion Ratio Lower Upper

64 100

66 31.1 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.61

25000

20000

15000

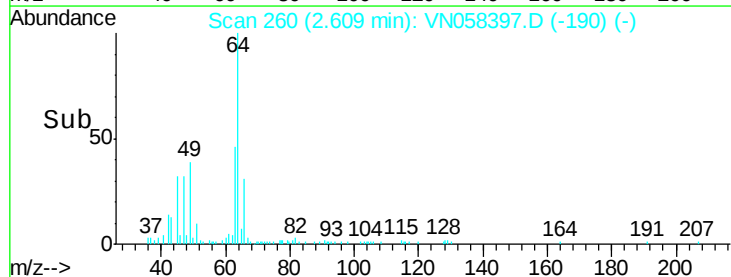
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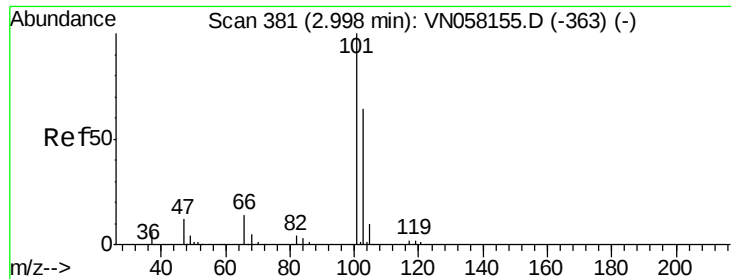
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0

2.50 2.60 2.70 2.80

Time-->



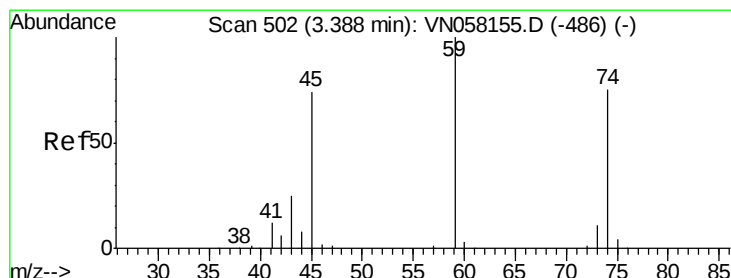
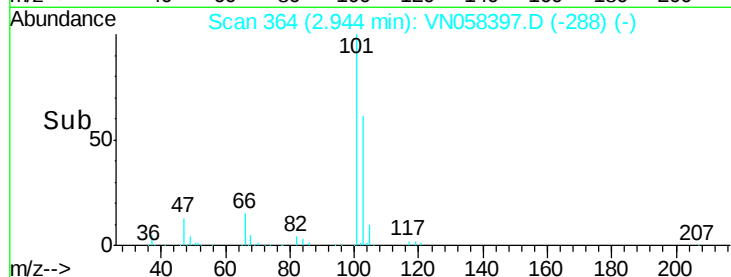
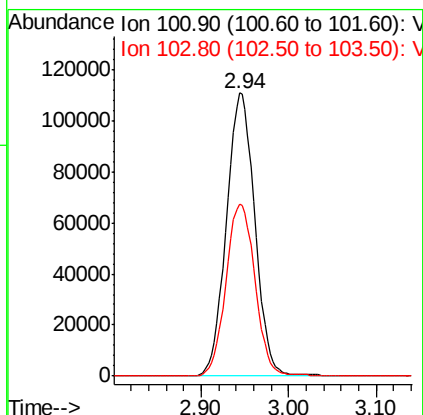
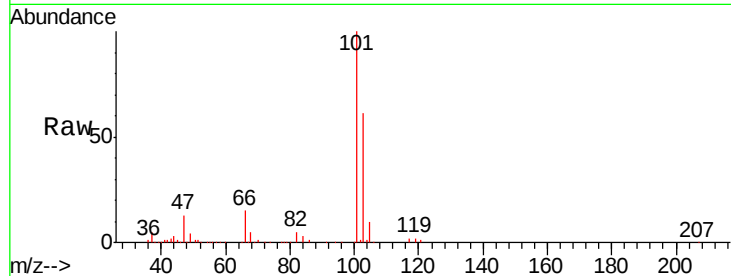


#7

Trichlorofluoromethane
 Concen: 46.385 ug/l
 RT: 2.94 min Scan# 364
 Delta R.T. -0.05 min
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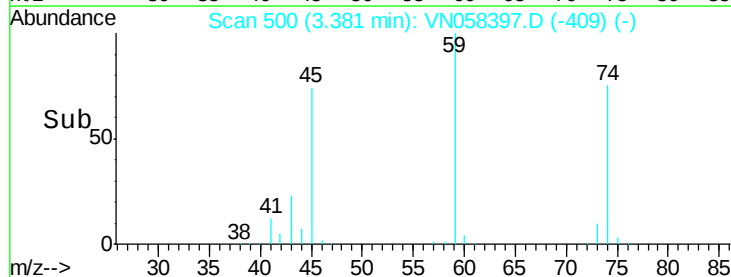
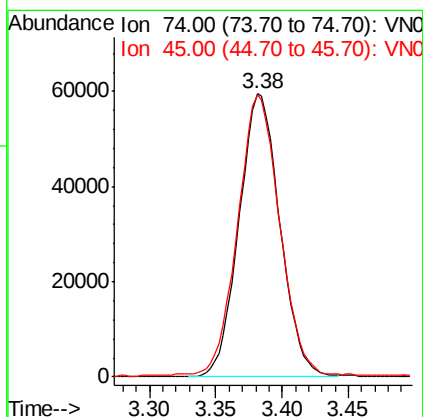
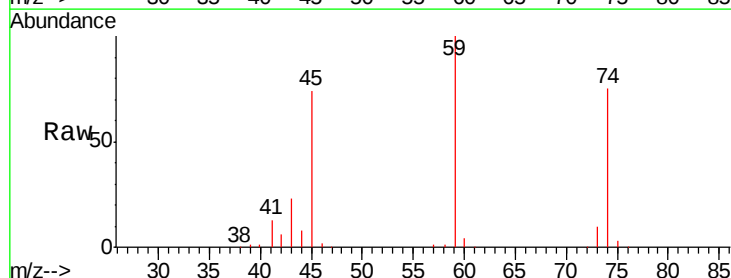
Tgt Ion:101 Resp: 250405
 Ion Ratio Lower Upper
 101 100
 103 60.9 51.0 76.6



#8

Diethyl Ether
 Concen: 51.418 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.01 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

Tgt Ion: 74 Resp: 127185
 Ion Ratio Lower Upper
 74 100
 45 101.7 48.5 145.5

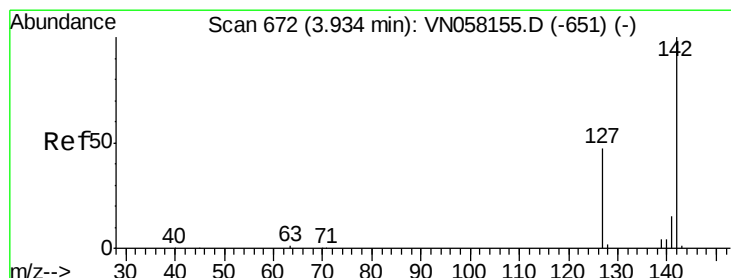
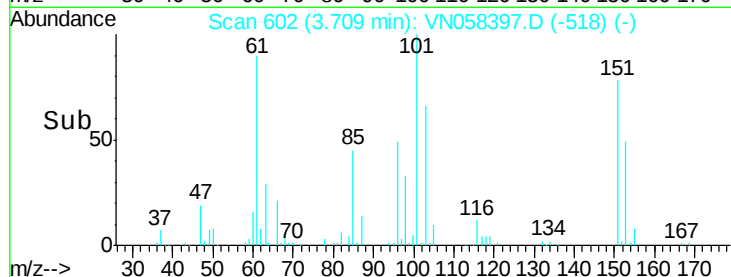
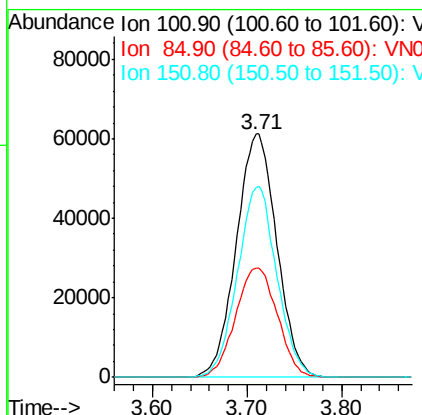
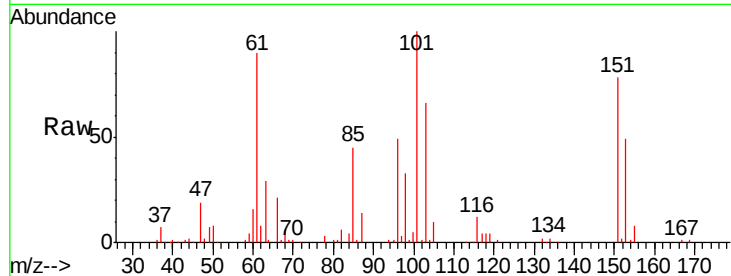




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.836 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.03 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

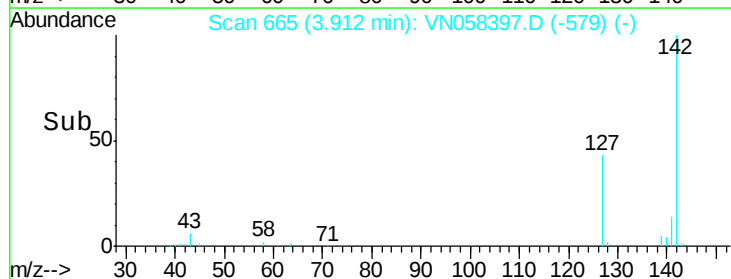
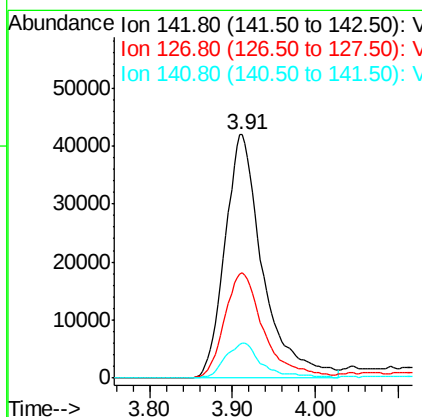
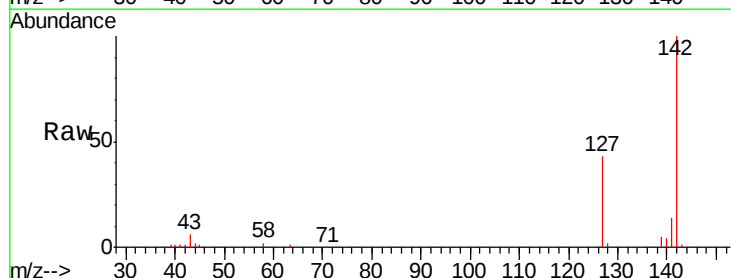
Instrument :
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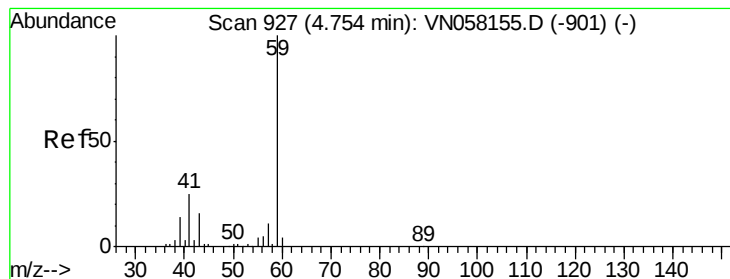
Tgt Ion:101 Resp: 182293
 Ion Ratio Lower Upper
 101 100
 85 46.4 37.3 55.9
 151 75.9 59.6 89.4



#10
 Methyl Iodide
 Concen: 40.952 ug/l
 RT: 3.91 min Scan# 665
 Delta R.T. -0.02 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

Tgt Ion:142 Resp: 133560
 Ion Ratio Lower Upper
 142 100
 127 44.6 37.5 56.3
 141 14.0 11.4 17.2



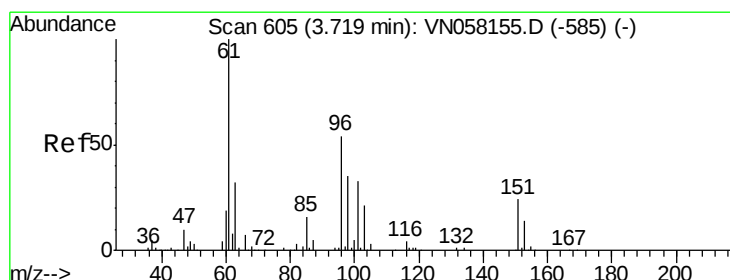
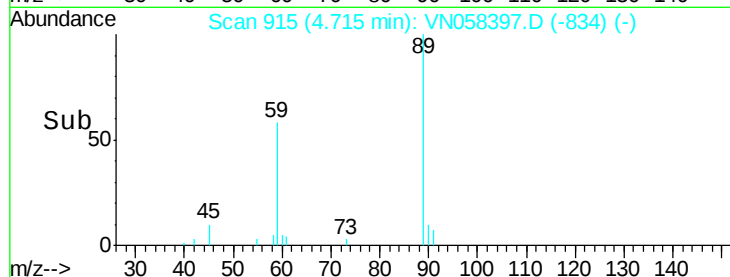
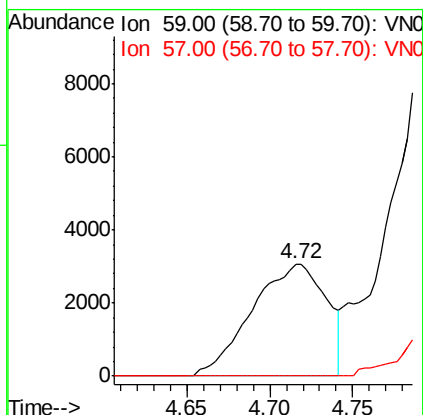
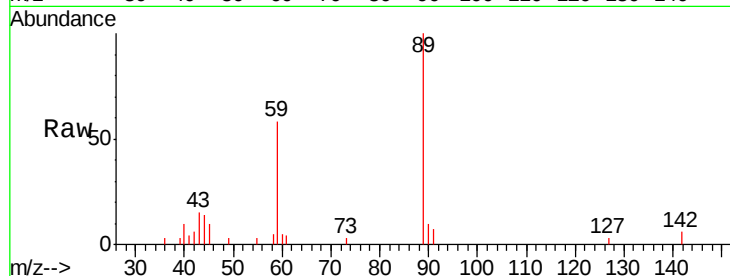


#11

Tert butyl alcohol
Concen: 11.980 ug/l
RT: 4.72 min Scan# 915
Delta R.T. -0.04 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

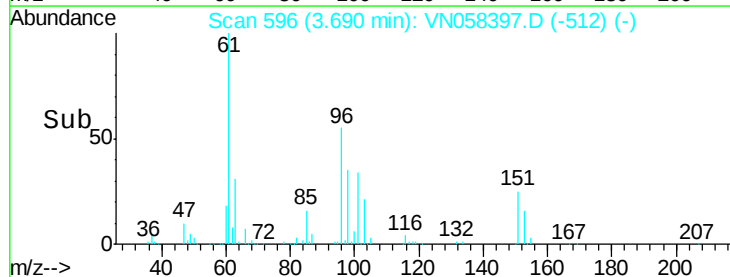
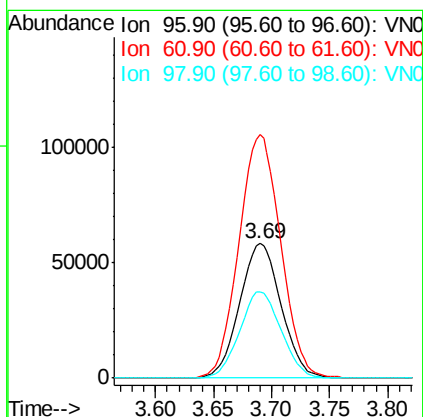
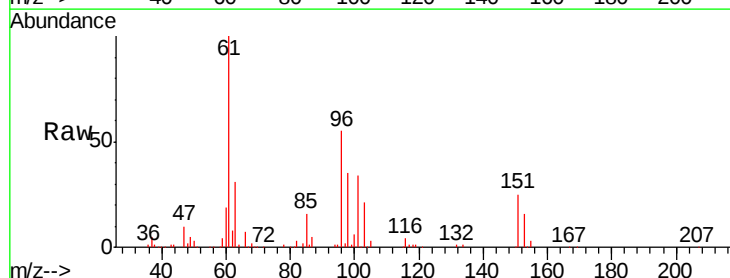
Tgt Ion: 59 Resp: 9556
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#12

1,1-Dichloroethene
Concen: 49.189 ug/l
RT: 3.69 min Scan# 596
Delta R.T. -0.03 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion: 96 Resp: 145308
Ion Ratio Lower Upper
96 100
61 181.1 149.5 224.3
98 64.2 52.4 78.6





#13

Acrolein

Concen: 193.479 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

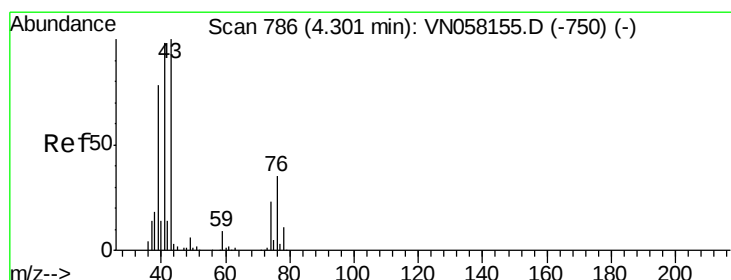
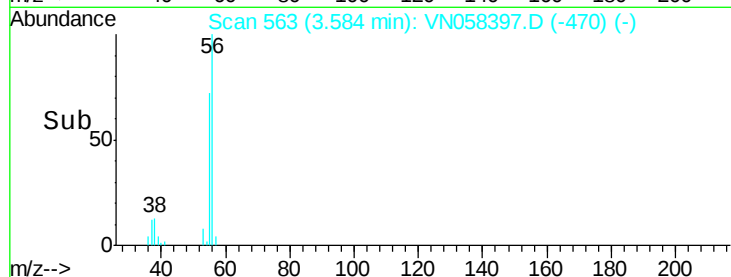
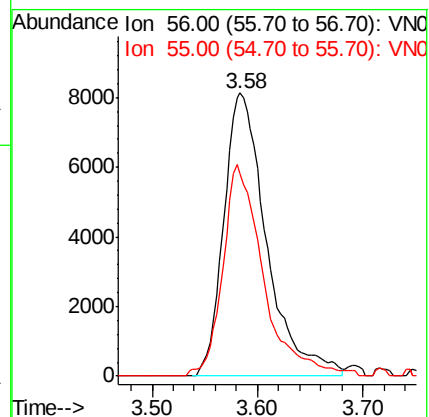
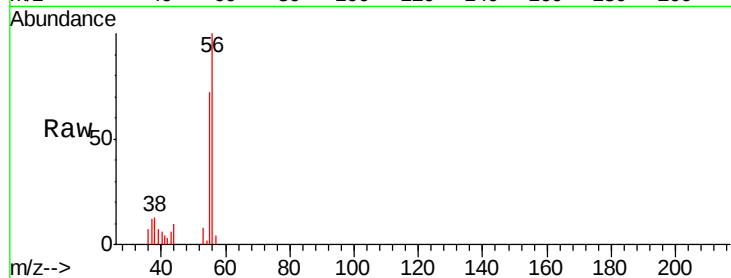
VSTDCCC050EC

Tgt Ion: 56 Resp: 22871

Ion Ratio Lower Upper

56 100

55 70.2 56.1 84.1



#14

Allyl chloride

Concen: 47.829 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.02 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

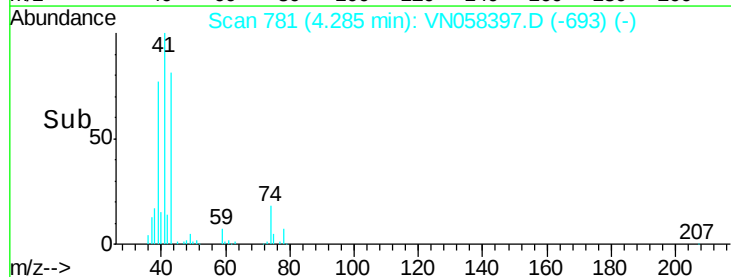
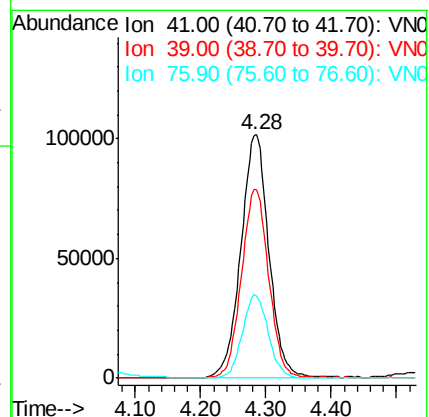
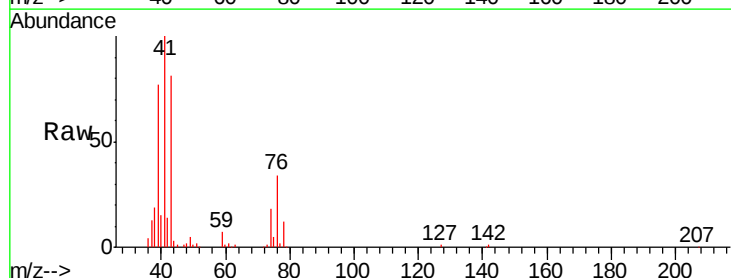
Tgt Ion: 41 Resp: 304615

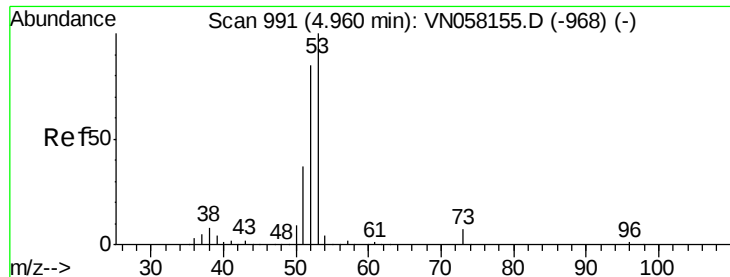
Ion Ratio Lower Upper

41 100

39 74.5 59.1 88.7

76 31.3 25.1 37.7





#15

Acrylonitrile

Concen: 271.405 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.01 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

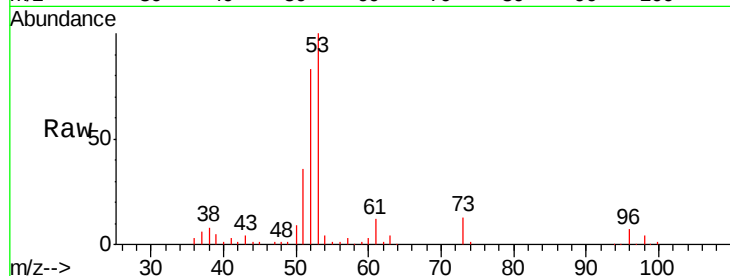
Tgt Ion: 53 Resp: 576784

Ion Ratio Lower Upper

53 100

52 84.7 66.6 100.0

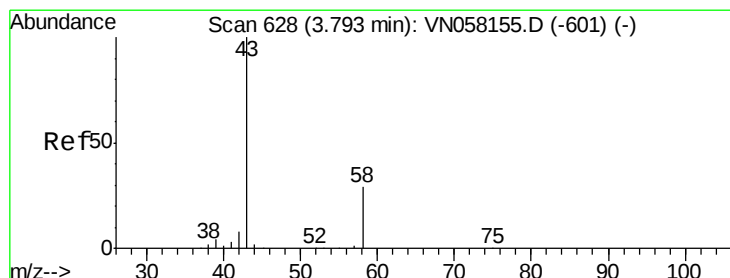
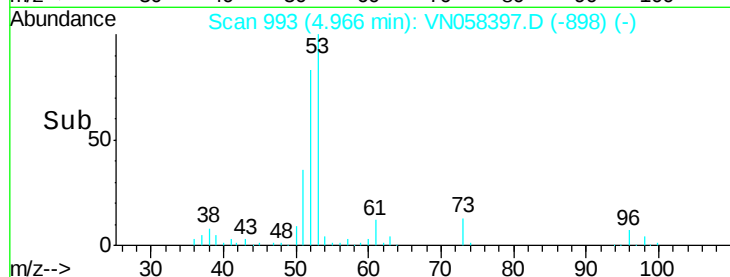
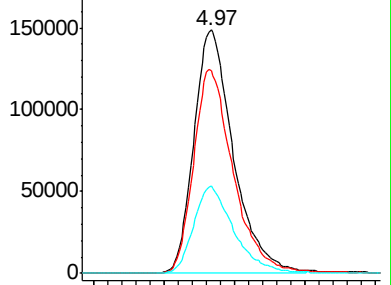
51 36.5 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN058397.D (-898) (-)

Ion 52.00 (51.70 to 52.70): VN058397.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VN058397.D (-898) (-)



#16

Acetone

Concen: 210.737 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN058397.D

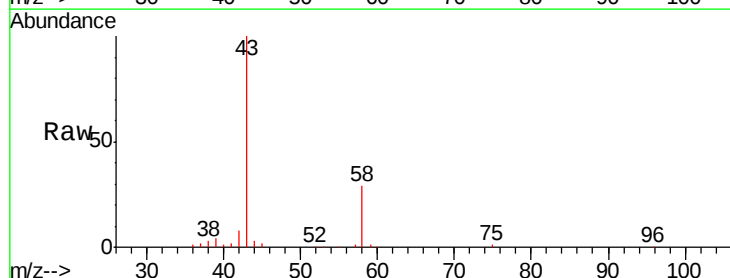
Acq: 26 Sep 2019 20:07

Tgt Ion: 43 Resp: 479674

Ion Ratio Lower Upper

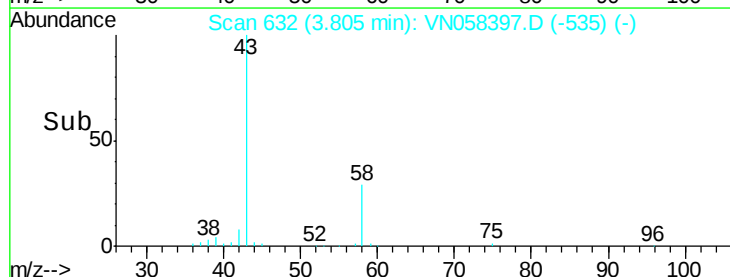
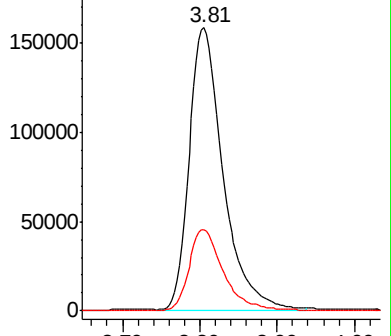
43 100

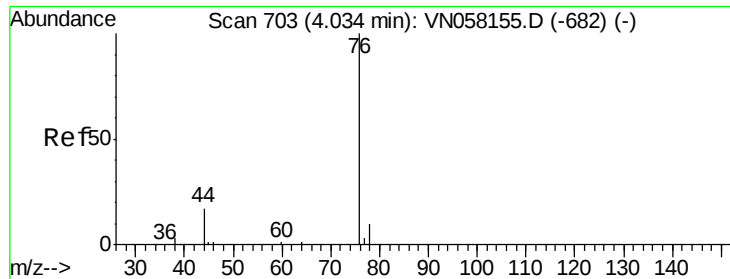
58 28.8 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN058397.D (-535) (-)

Ion 58.00 (57.70 to 58.70): VN058397.D (-535) (-)

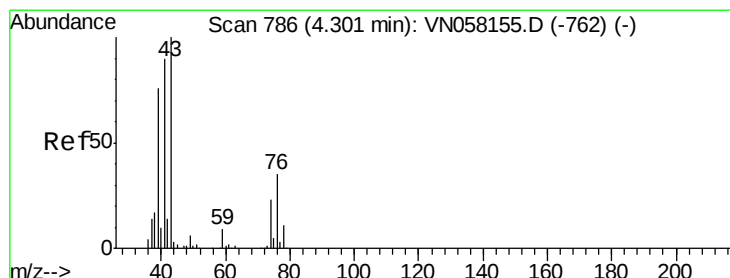
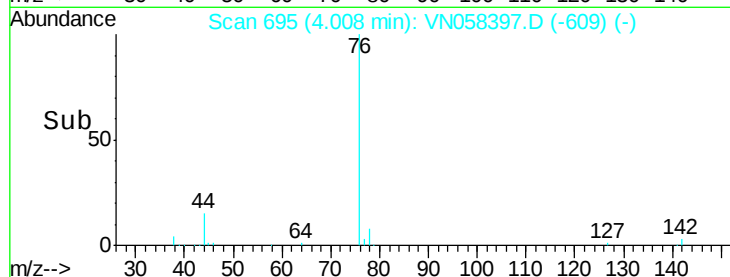
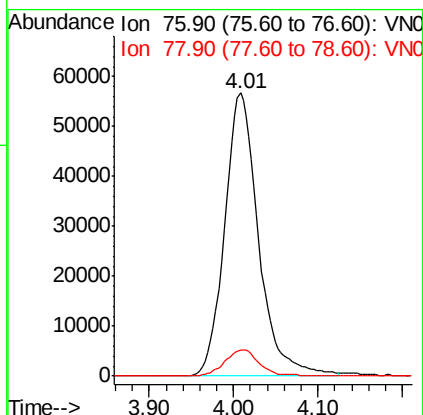
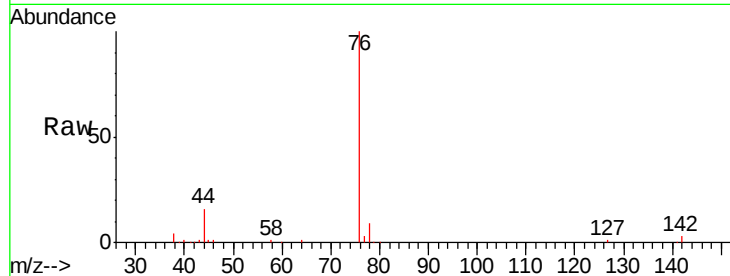




#17
Carbon Disulfide
Concen: 38.147 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.03 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

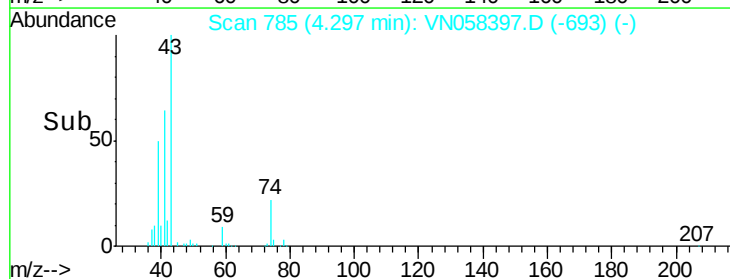
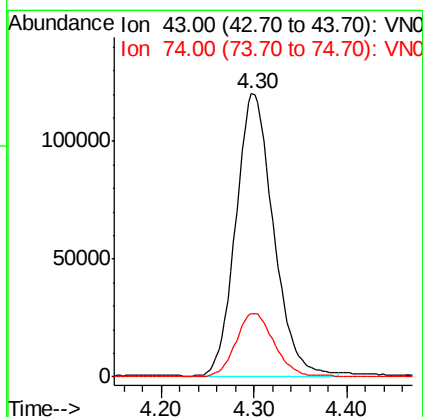
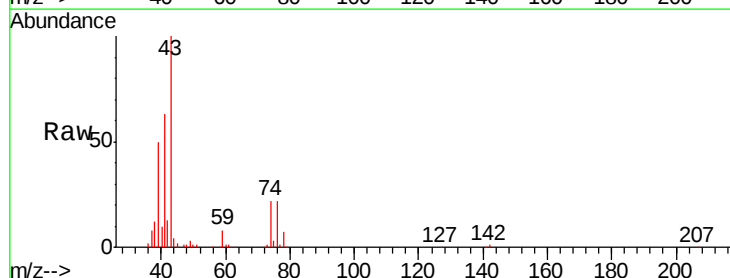
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

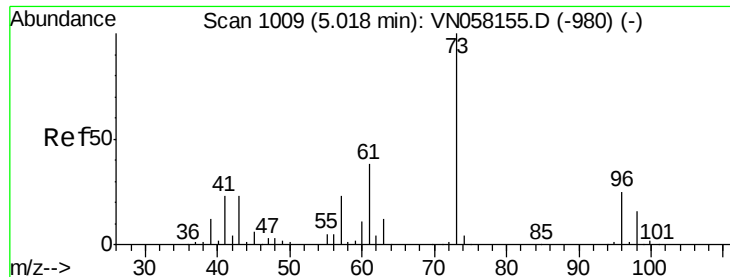
Tgt Ion: 76 Resp: 158335
Ion Ratio Lower Upper
76 100
78 9.1 7.7 11.5



#18
Methyl Acetate
Concen: 56.442 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion: 43 Resp: 338051
Ion Ratio Lower Upper
43 100
74 23.1 18.0 27.0

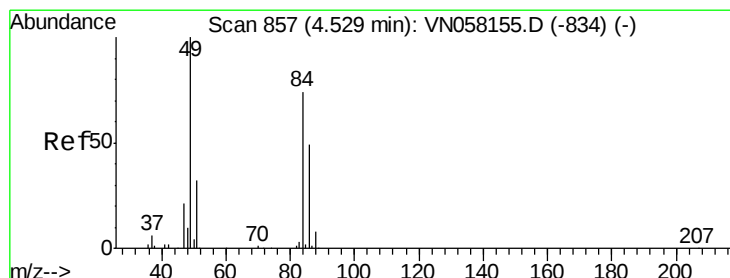
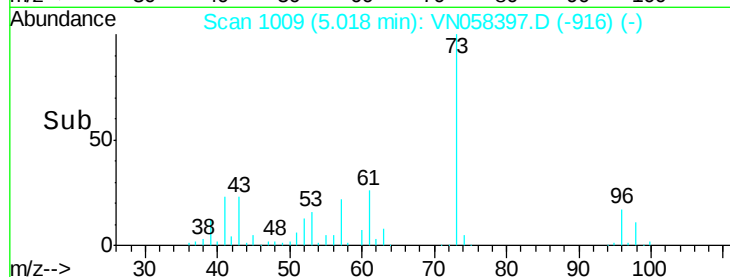
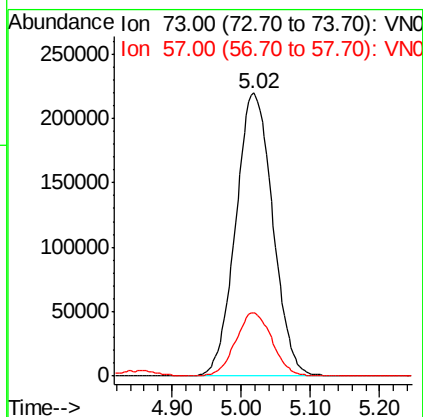
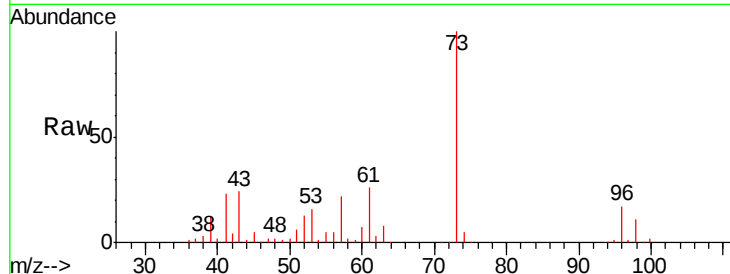




#19
Methyl tert-butyl Ether
Concen: 55.658 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

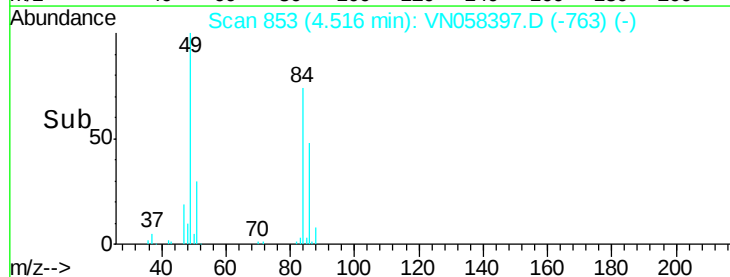
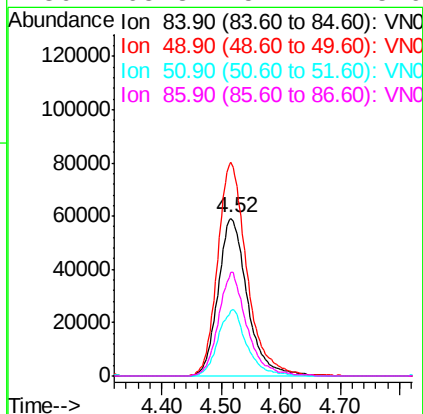
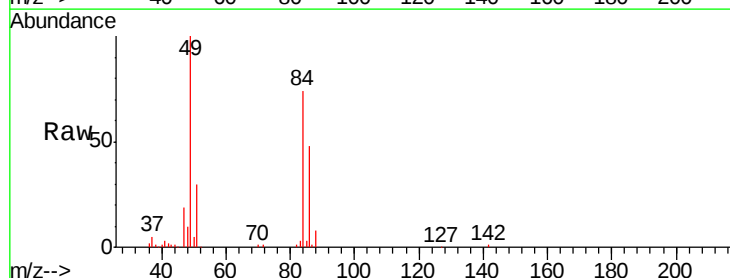
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

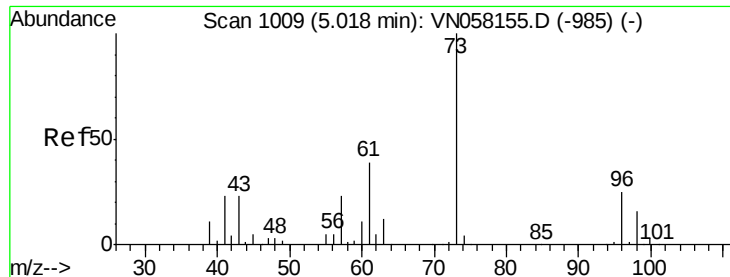
Tgt Ion: 73 Resp: 817067
Ion Ratio Lower Upper
73 100
57 22.4 18.1 27.1



#20
Methylene Chloride
Concen: 50.808 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion: 84 Resp: 202460
Ion Ratio Lower Upper
84 100
49 134.9 107.5 161.3
51 41.0 33.9 50.9
86 65.3 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 49.157 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

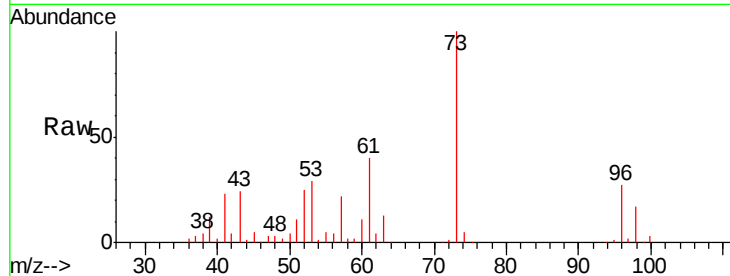
Tgt Ion: 96 Resp: 158239

Ion Ratio Lower Upper

96 100

61 146.2 122.2 183.4

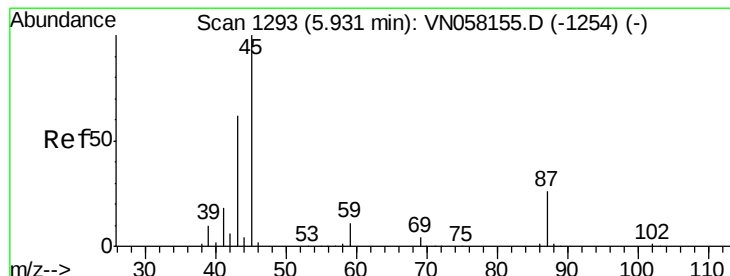
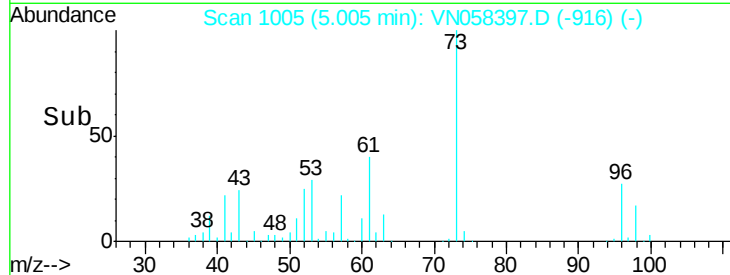
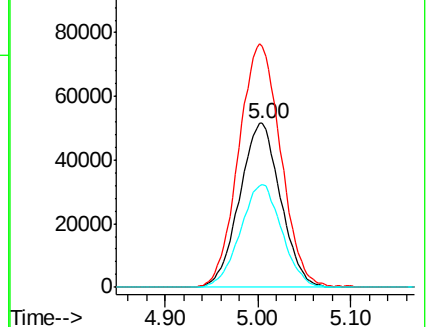
98 62.8 49.9 74.9



Abundance Ion 95.90 (95.60 to 96.60): VN058397.D (-1200) (-)

Ion 60.90 (60.60 to 61.60): VN058397.D (-1200) (-)

Ion 97.90 (97.60 to 98.60): VN058397.D (-1200) (-)



#22

Diisopropyl ether

Concen: 53.258 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Tgt Ion: 45 Resp: 861623

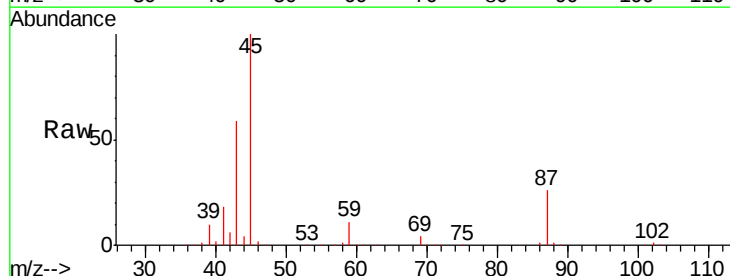
Ion Ratio Lower Upper

45 100

43 58.0 49.7 74.5

87 26.3 20.7 31.1

59 11.2 9.1 13.7

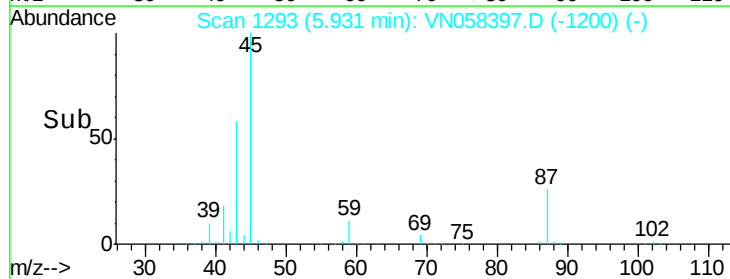
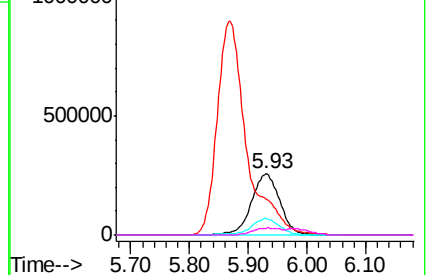


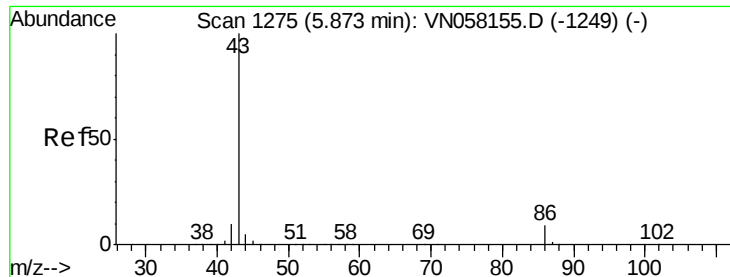
Abundance Ion 45.00 (44.70 to 45.70): VN058397.D (-1200) (-)

Ion 43.00 (42.70 to 43.70): VN058397.D (-1200) (-)

Ion 87.00 (86.70 to 87.70): VN058397.D (-1200) (-)

Ion 59.00 (58.70 to 59.70): VN058397.D (-1200) (-)





#23

Vinyl Acetate

Concen: 280.219 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

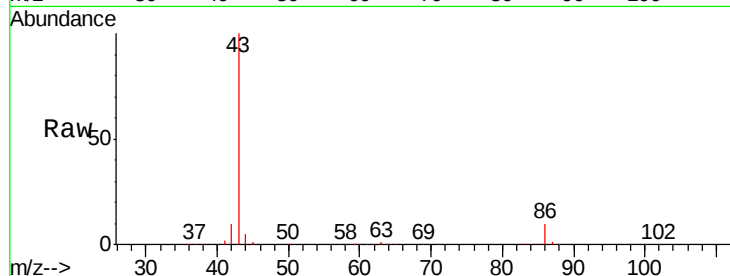
VSTDCCC050EC

Tgt Ion: 43 Resp: 3102050

Ion Ratio Lower Upper

43 100

86 9.5 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

800000

600000

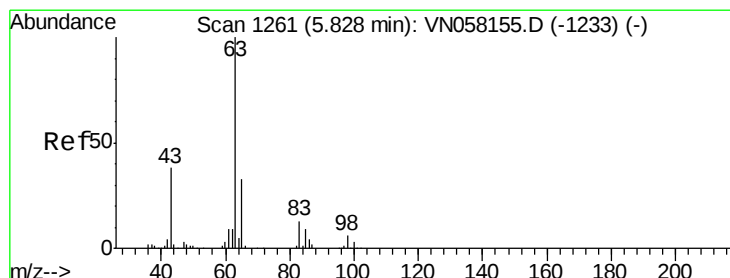
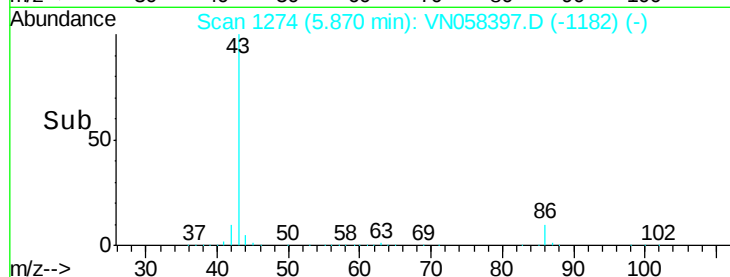
400000

200000

0

Time-->

5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 50.094 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.01 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

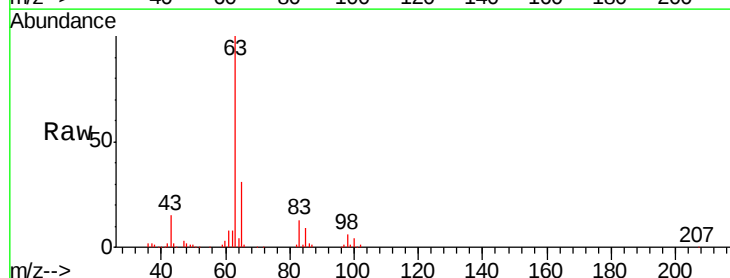
Tgt Ion: 63 Resp: 432546

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.6

100 3.9 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

150000

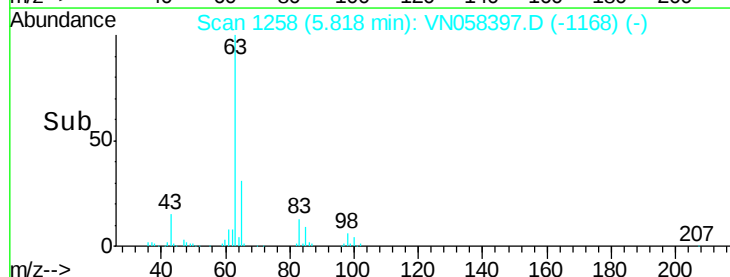
100000

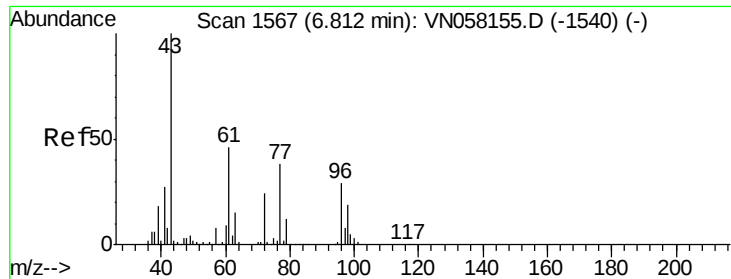
50000

0

Time-->

5.70 5.80 5.90

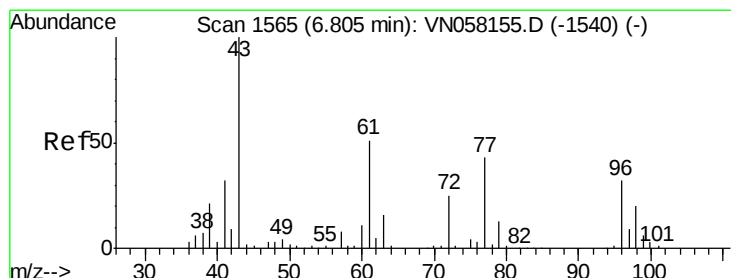
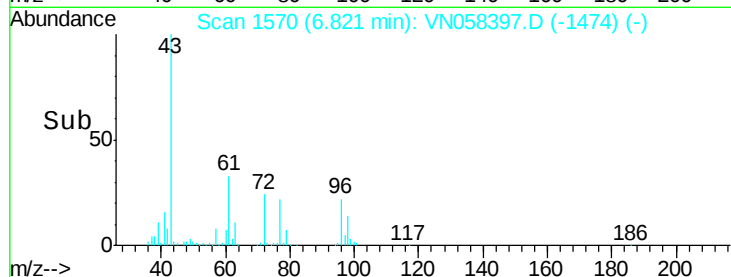
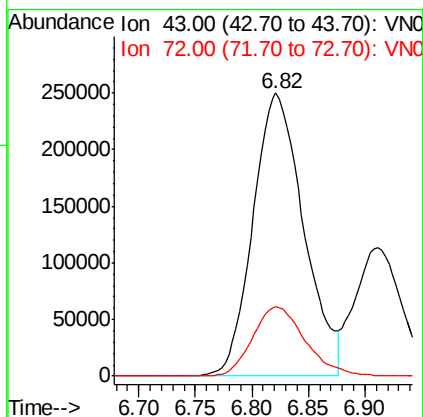
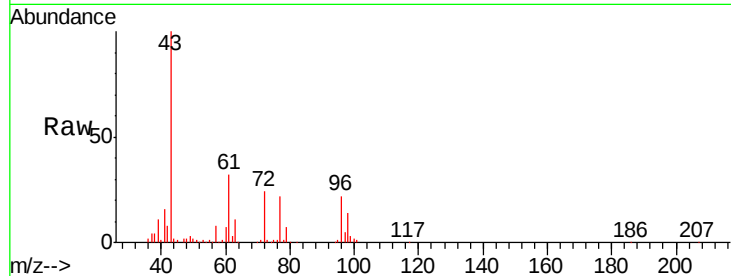




#25
2-Butanone
Concen: 249.894 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

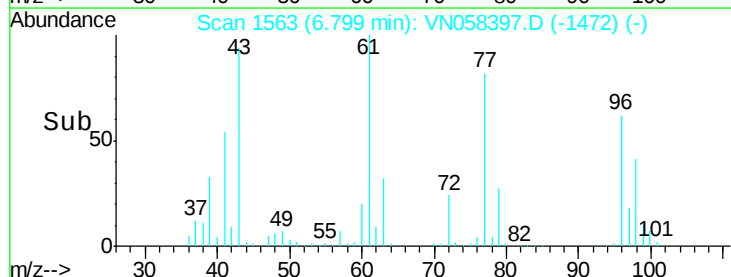
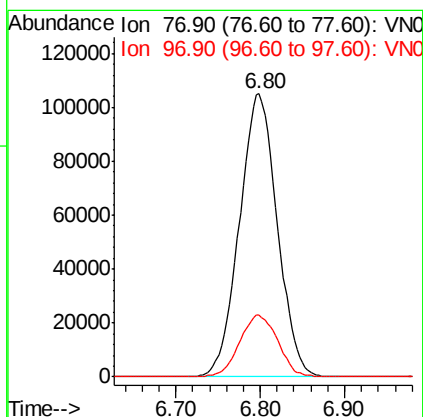
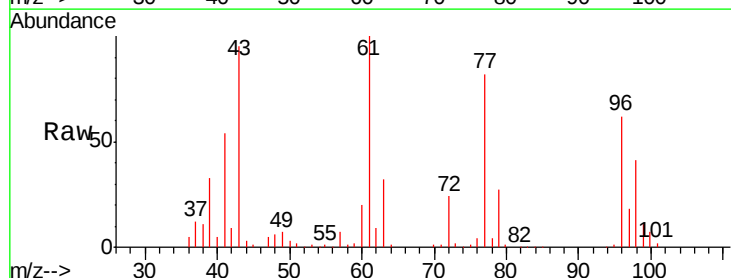
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

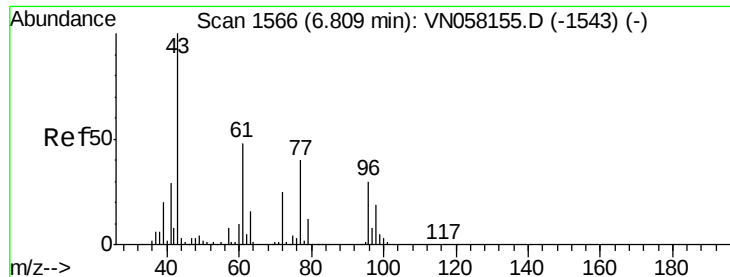
Tgt Ion: 43 Resp: 774923
Ion Ratio Lower Upper
43 100
72 24.5 19.5 29.3



#26
2,2-Dichloropropane
Concen: 44.616 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion: 77 Resp: 326828
Ion Ratio Lower Upper
77 100
97 22.0 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 49.683 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

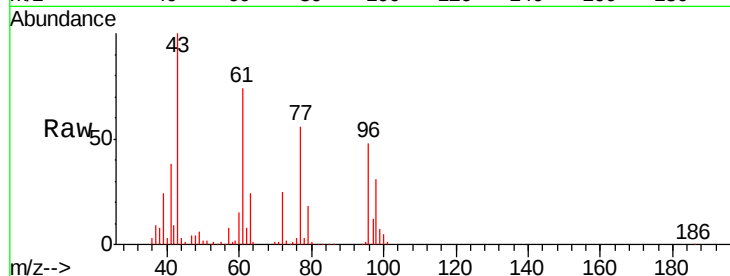
Tgt Ion: 96 Resp: 242568

Ion Ratio Lower Upper

96 100

61 157.3 0.0 319.0

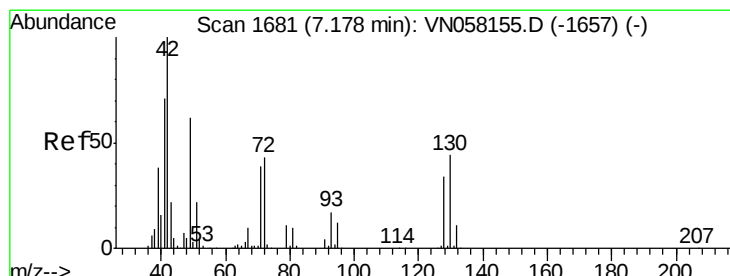
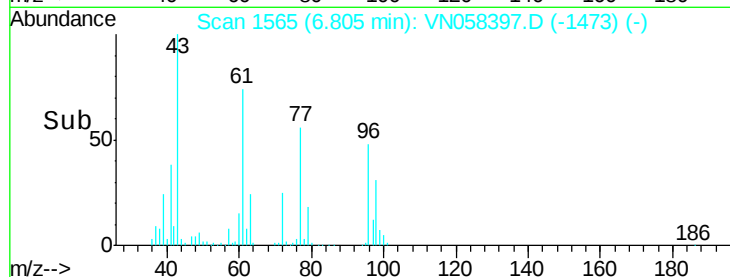
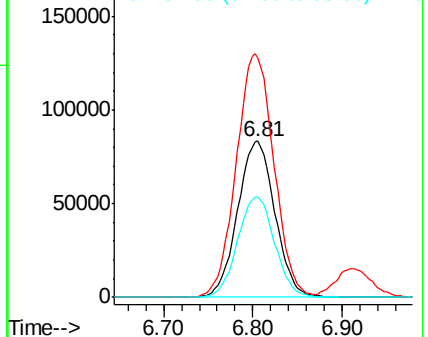
98 63.8 0.0 126.6



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: 50.196 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

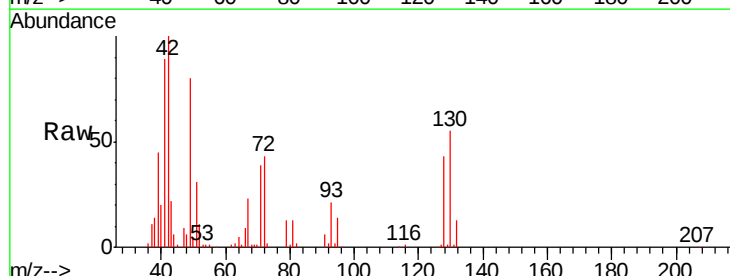
Tgt Ion: 49 Resp: 205036

Ion Ratio Lower Upper

49 100

129 1.7 0.0 1.8

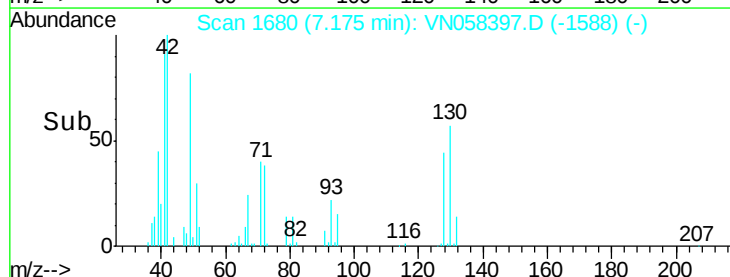
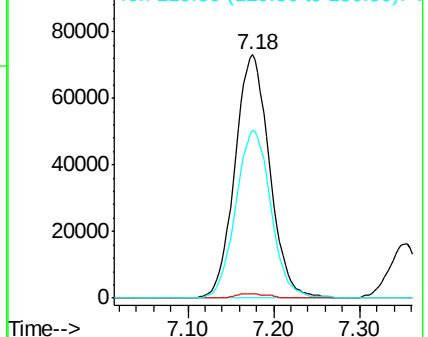
130 69.7 55.4 83.2

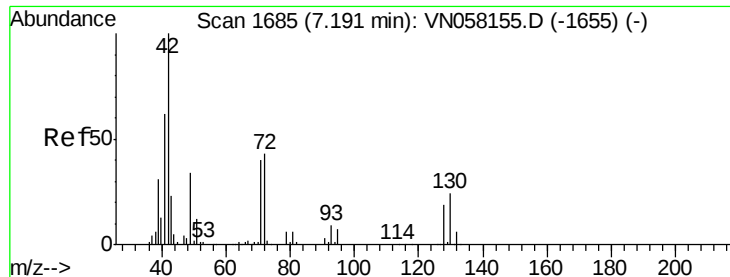


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

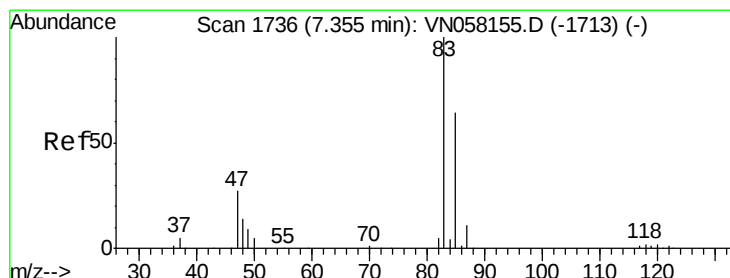
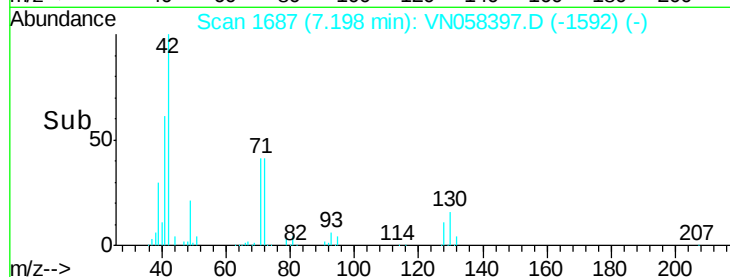
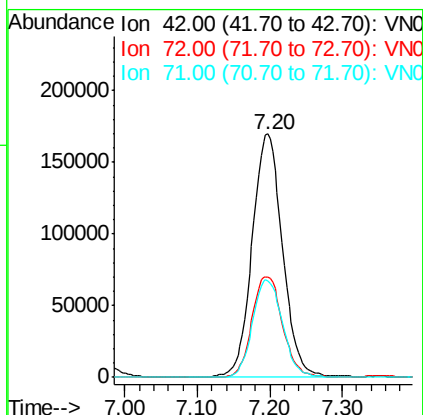
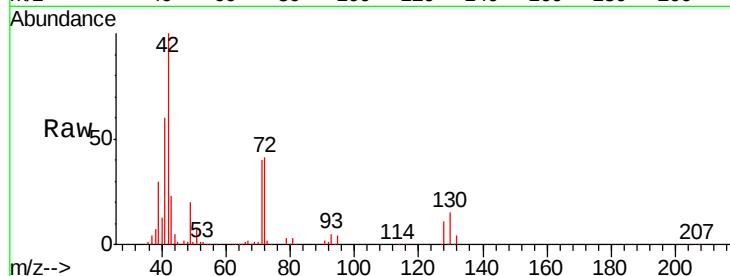




#29
Tetrahydrofuran
Concen: 258.128 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

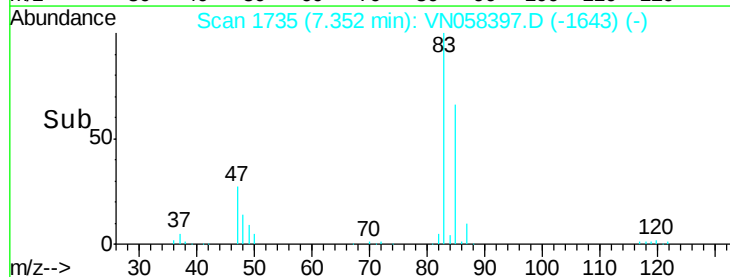
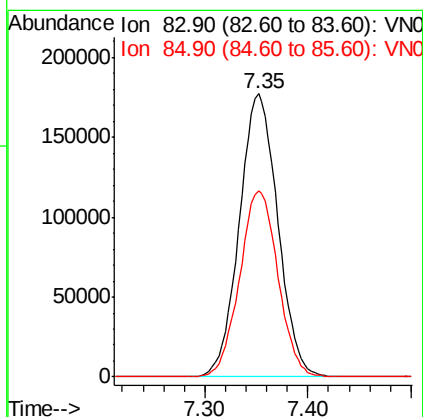
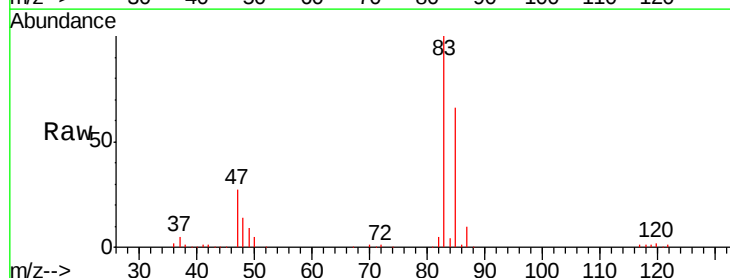
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

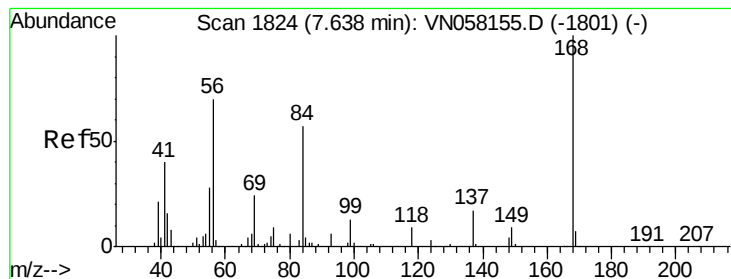
Tgt Ion: 42 Resp: 493060
Ion Ratio Lower Upper
42 100
72 41.9 33.8 50.6
71 40.0 31.4 47.0



#30
Chloroform
Concen: 49.387 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion: 83 Resp: 459020
Ion Ratio Lower Upper
83 100
85 65.8 51.4 77.2





#31

Cyclohexane

Concen: 45.379 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

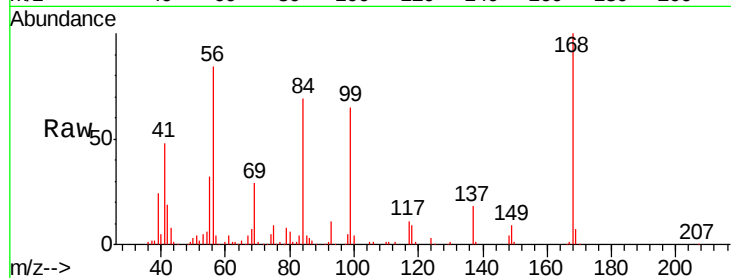
Tgt Ion: 56 Resp: 254525

Ion Ratio Lower Upper

56 100

69 34.6 27.3 40.9

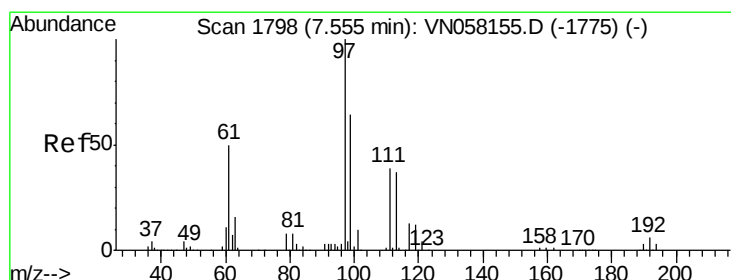
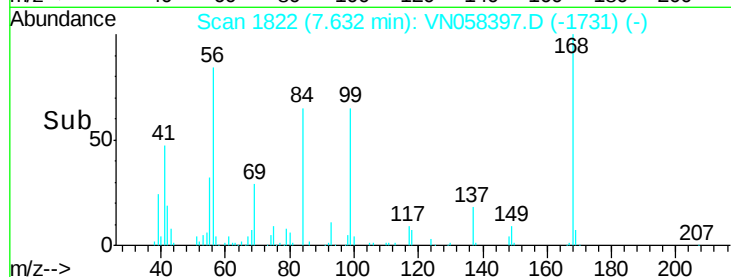
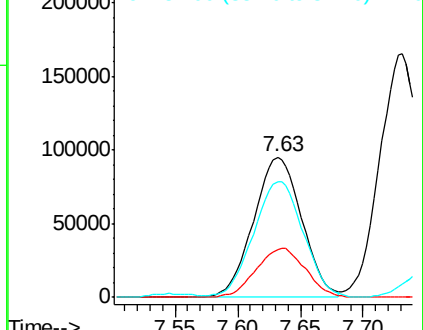
84 80.9 65.0 97.4



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: 51.031 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.01 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

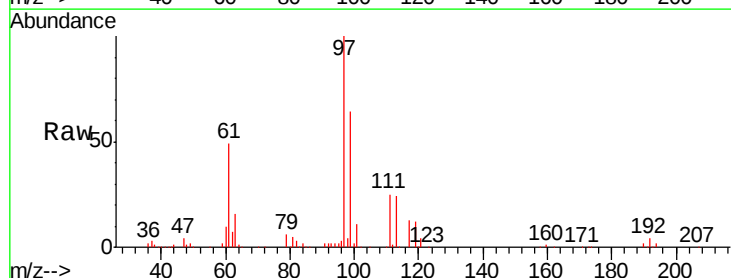
Tgt Ion: 97 Resp: 361074

Ion Ratio Lower Upper

97 100

99 64.4 50.9 76.3

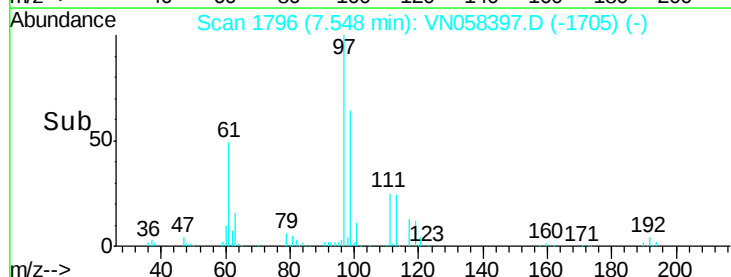
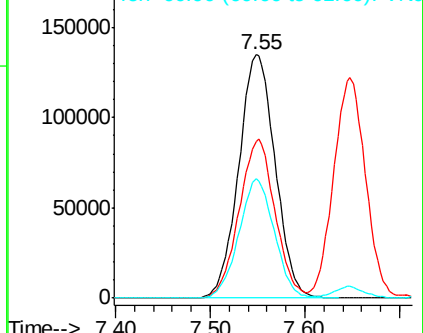
61 47.6 39.2 58.8

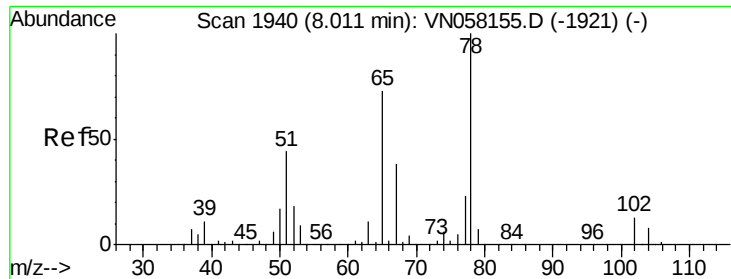


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

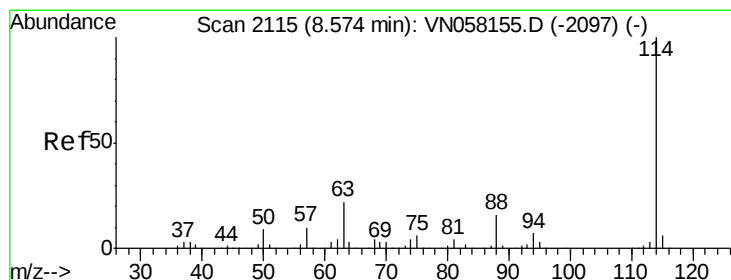
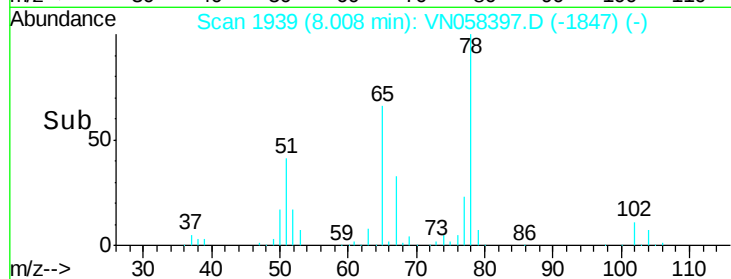
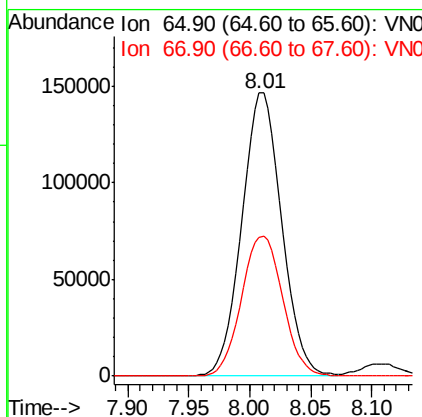
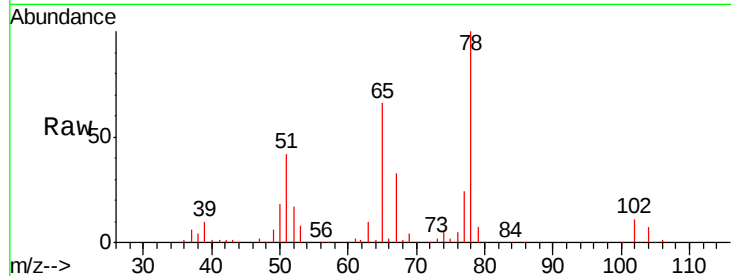




#33
 1,2-Dichloroethane-d4
 Concen: 49.400 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

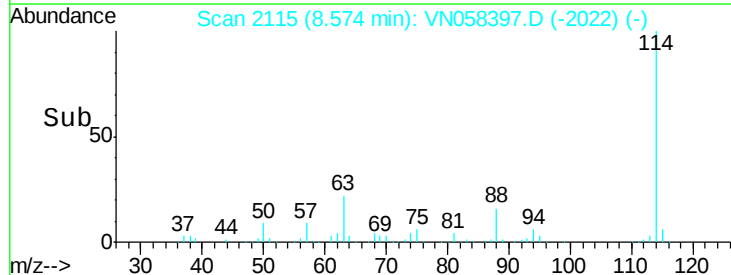
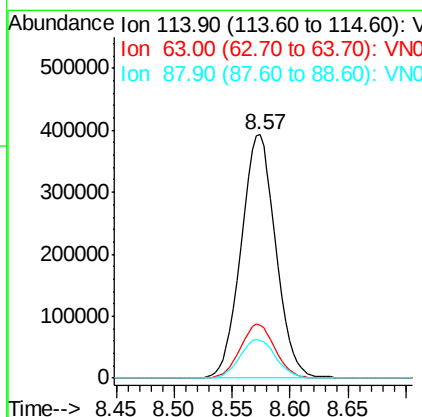
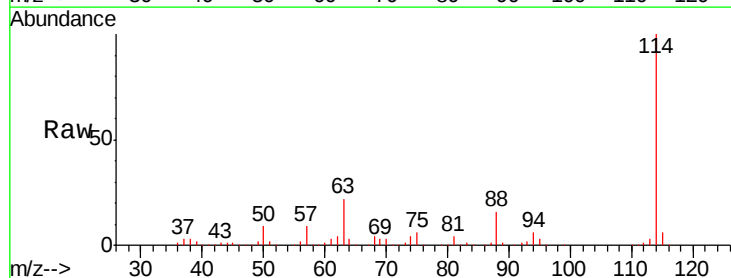
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

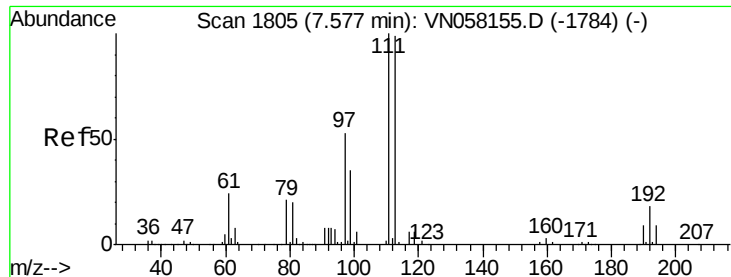
Tgt Ion: 65 Resp: 331258
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

Tgt Ion: 114 Resp: 817890
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 44.2
 88 15.7 0.0 31.6

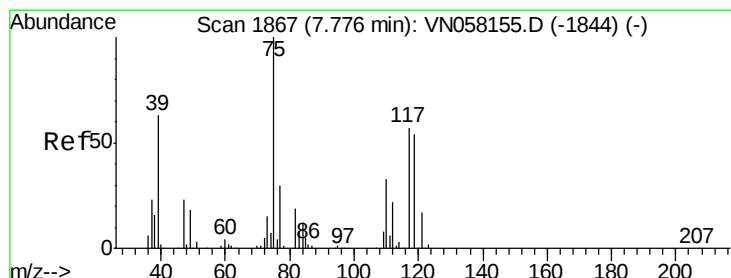
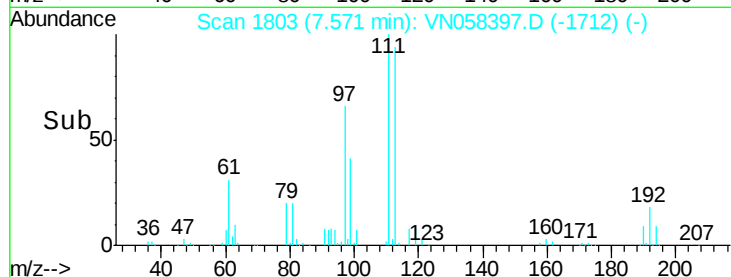
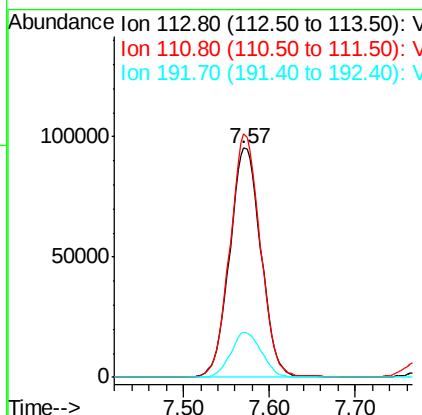
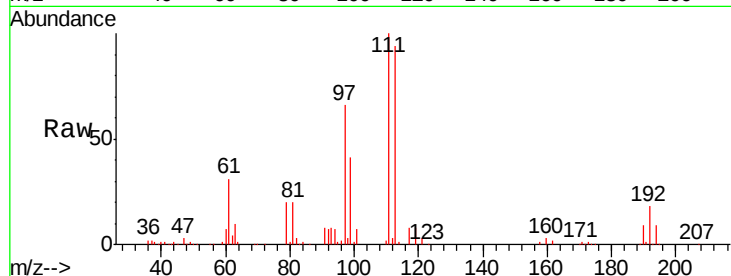




#35
 Dibromofluoromethane
 Concen: 48.435 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

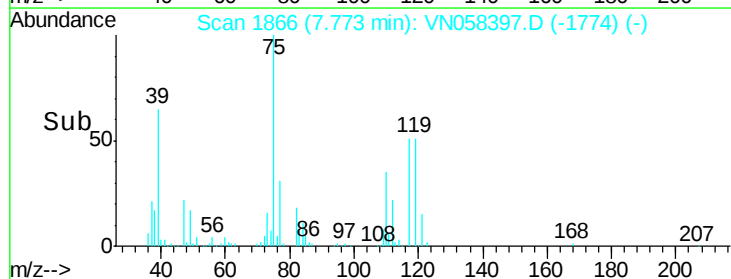
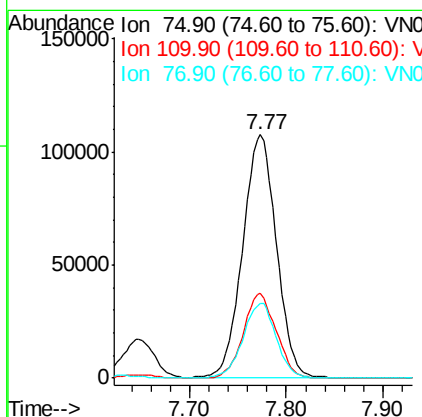
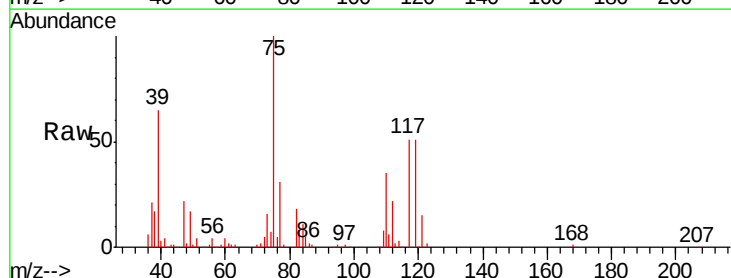
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	19.2	14.5	21.7



#36
 1,1-Dichloropropene
 Concen: 44.066 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.6	49.7
77	30.5	24.3	36.5

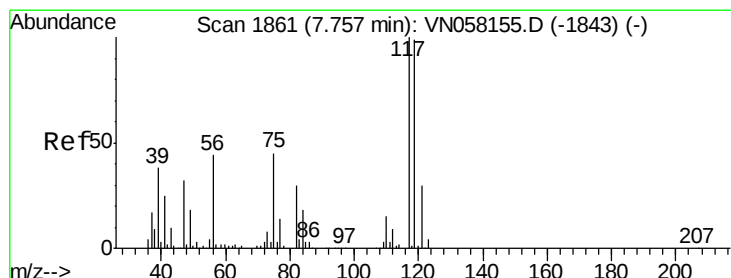
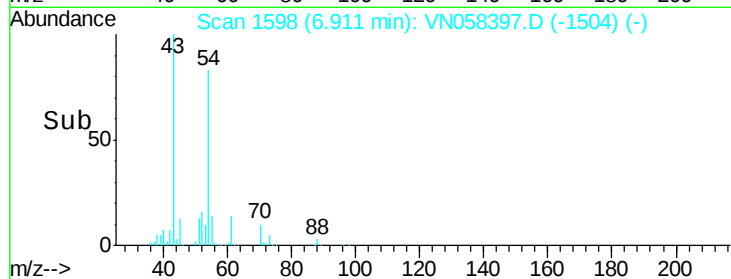
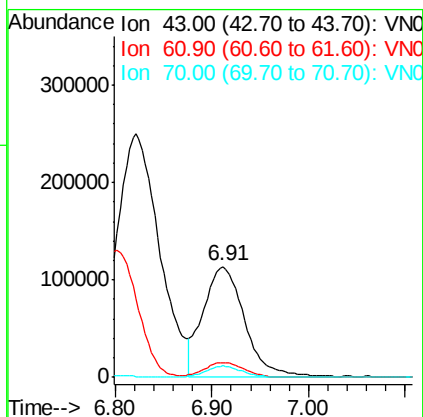
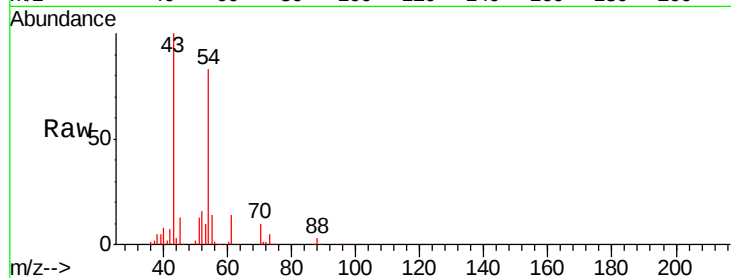




#37
Ethyl Acetate
Concen: 54.573 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

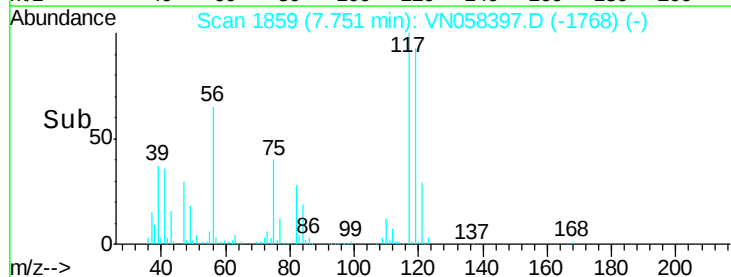
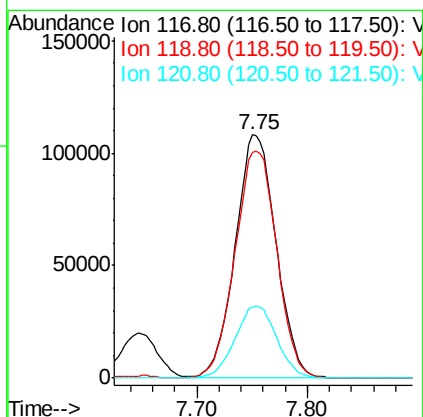
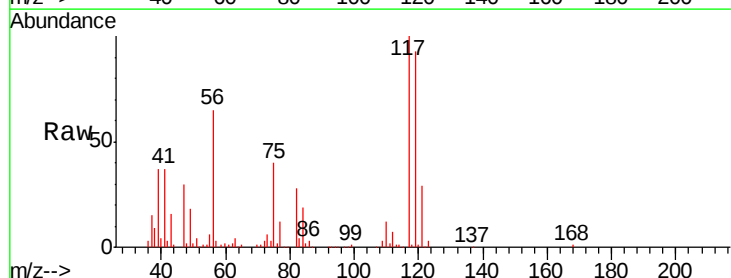
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tgt Ion: 43 Resp: 334044
Ion Ratio Lower Upper
43 100
61 13.0 10.7 16.1
70 9.4 7.6 11.4



#38
Carbon Tetrachloride
Concen: 46.625 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.01 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion: 117 Resp: 276441
Ion Ratio Lower Upper
117 100
119 92.6 78.6 117.8
121 29.4 24.1 36.1

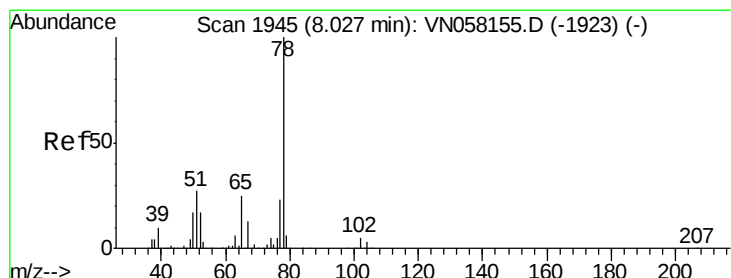
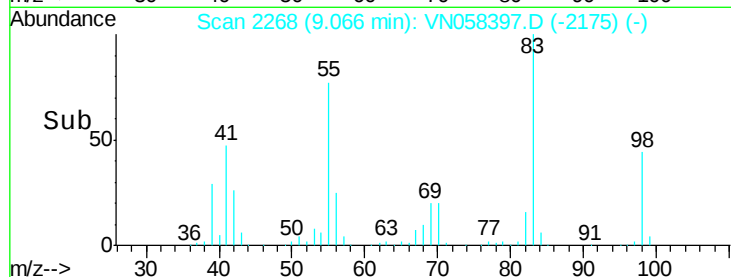
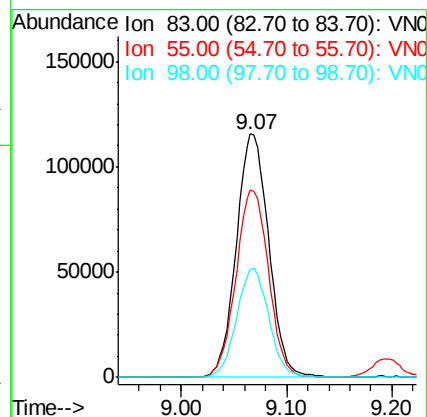
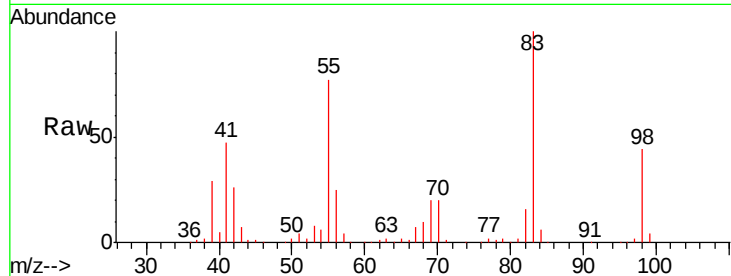




#39
Methylcyclohexane
Concen: 43.267 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

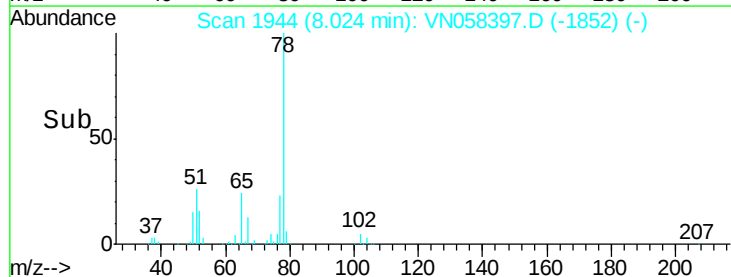
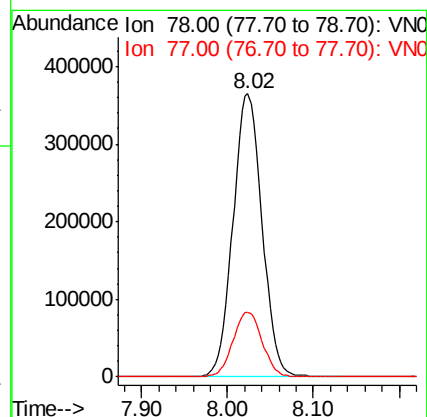
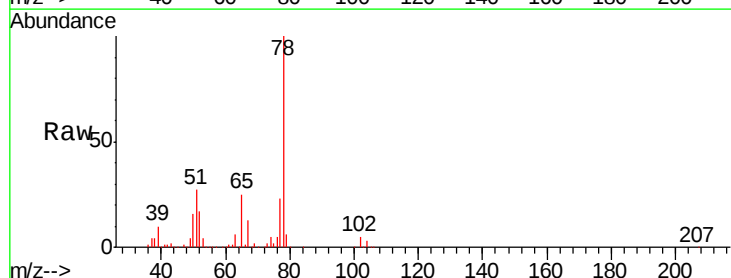
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

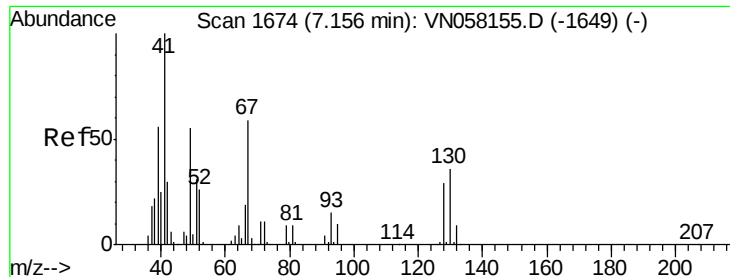
Tgt Ion: 83 Resp: 246686
Ion Ratio Lower Upper
83 100
55 76.8 61.9 92.9
98 44.4 35.4 53.2



#40
Benzene
Concen: 47.435 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion: 78 Resp: 854543
Ion Ratio Lower Upper
78 100
77 23.0 18.8 28.2

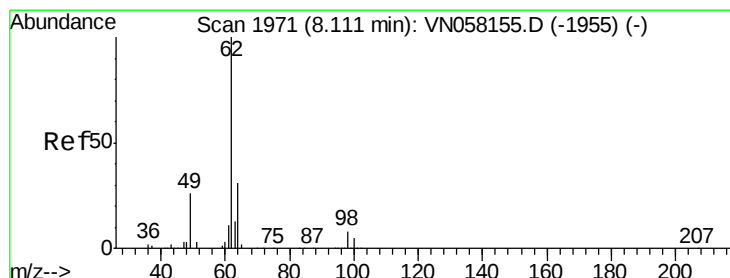
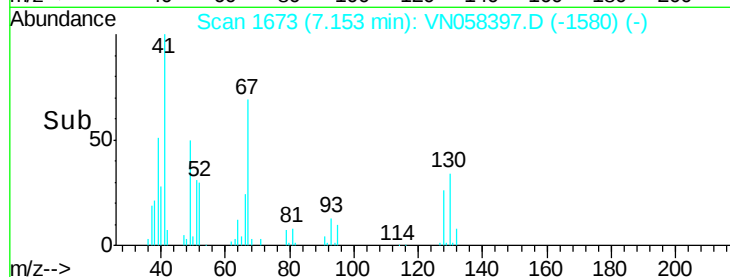
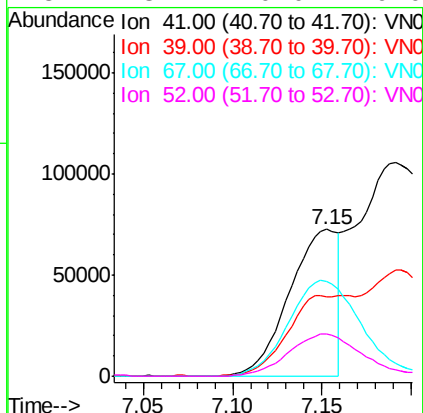
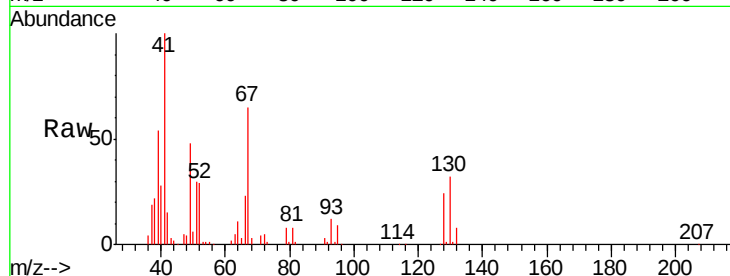




#41
Methacrylonitrile
Concen: 44.640 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

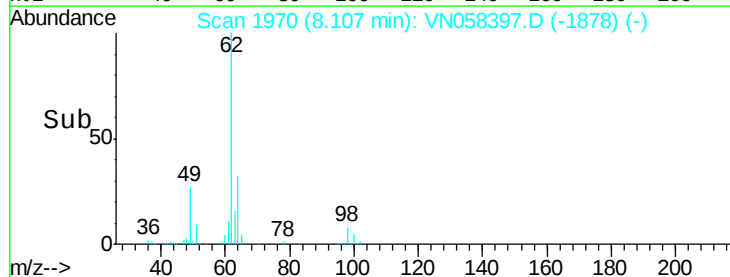
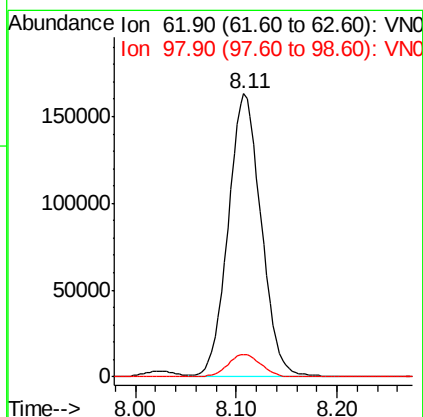
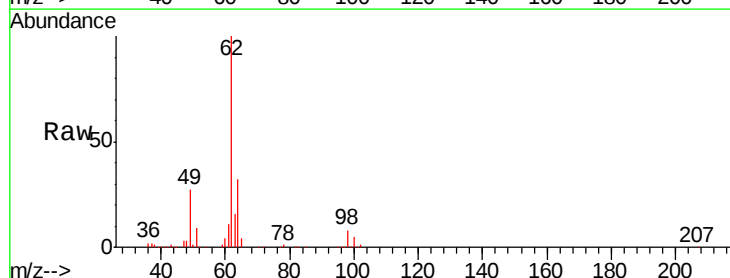
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

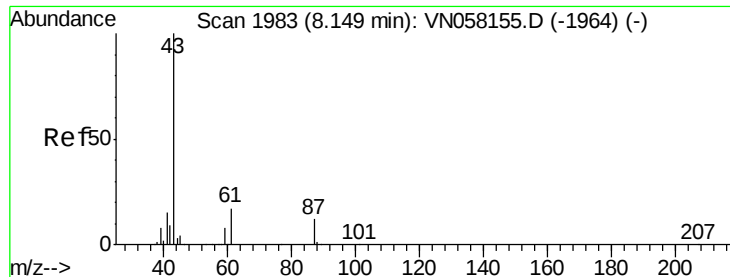
Tgt Ion:	41	Resp:	137347
Ion	Ratio	Lower	Upper
41	100		
39	50.6	0.0	0.0#
67	98.3	0.0	0.0#
52	43.2	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 49.003 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion:	62	Resp:	370428
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.6

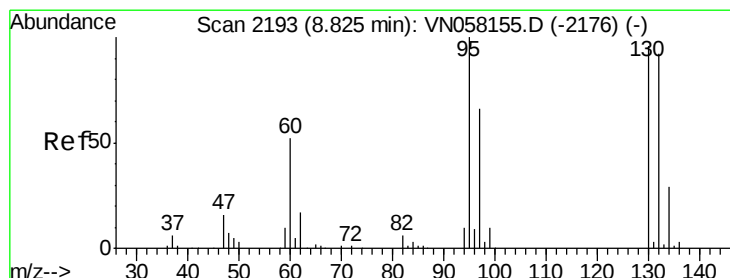
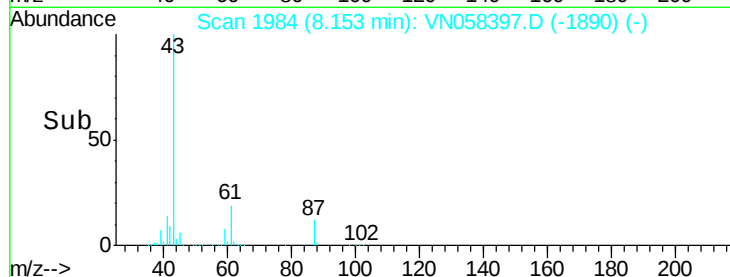
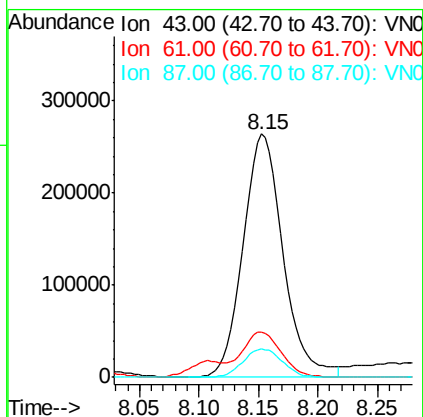
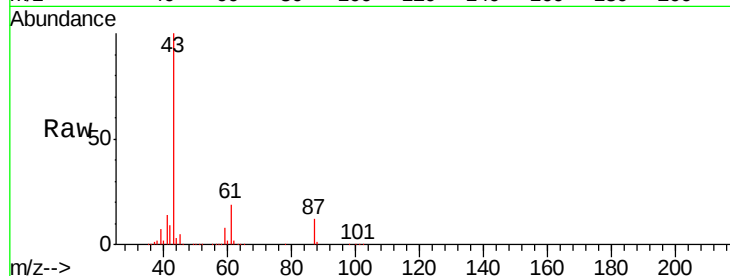




#43
Isopropyl Acetate
Concen: 53.638 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

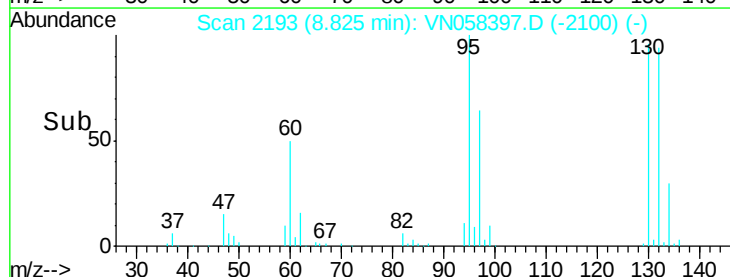
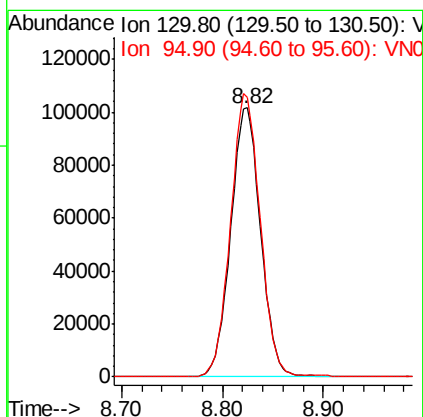
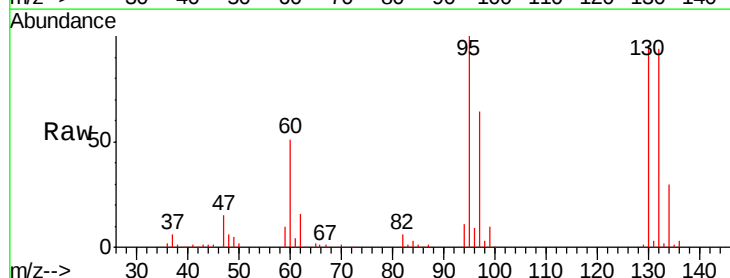
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

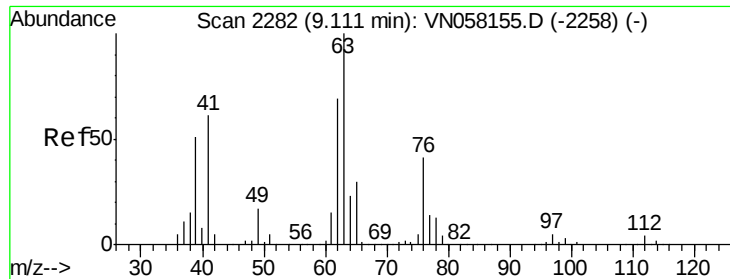
Tgt Ion: 43 Resp: 613170
Ion Ratio Lower Upper
43 100
61 18.1 19.7 29.5#
87 11.6 9.4 14.2



#44
Trichloroethene
Concen: 47.474 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion: 130 Resp: 209290
Ion Ratio Lower Upper
130 100
95 104.2 0.0 207.8

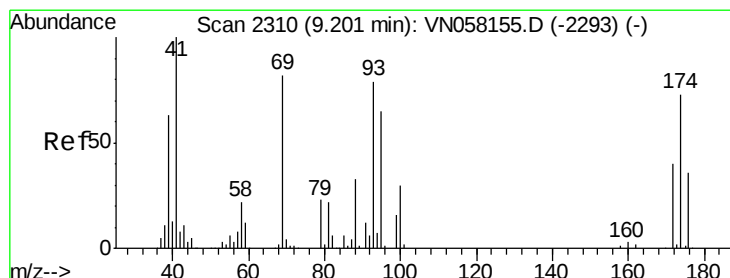
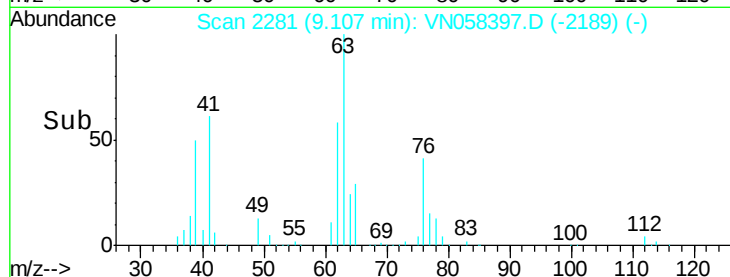
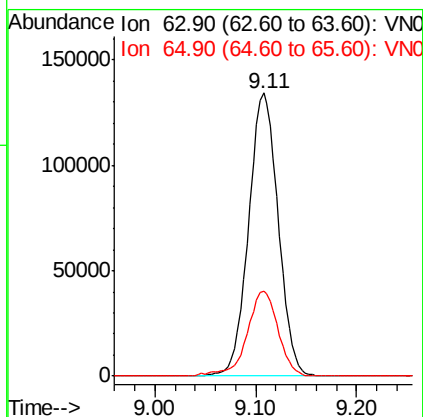
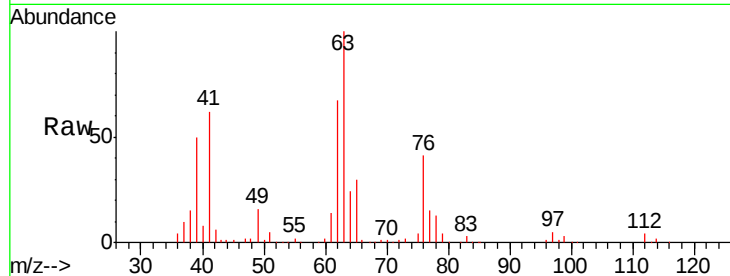




#45
 1,2-Dichloropropane
 Concen: 50.641 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

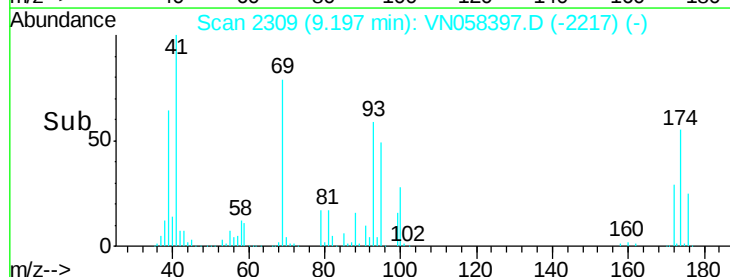
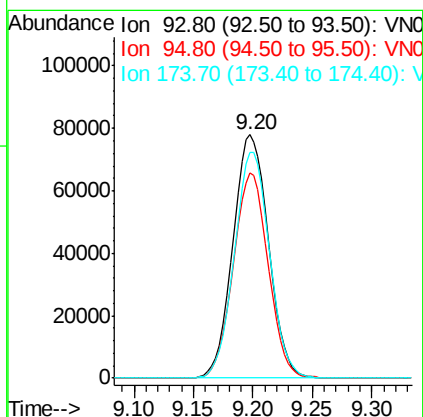
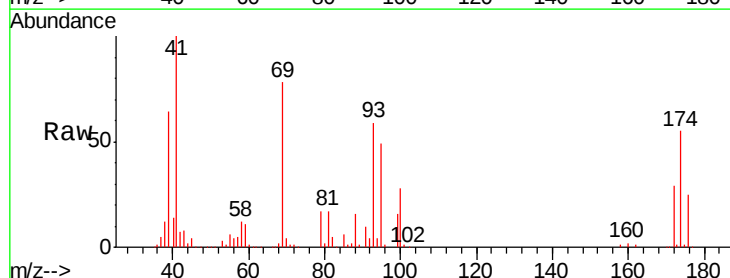
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 272448
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.8 35.6



#46
 Dibromomethane
 Concen: 49.285 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

Tgt Ion: 93 Resp: 161207
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.8 100.2
 174 92.0 73.8 110.8





#47

Bromodichloromethane

Concen: 50.706 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

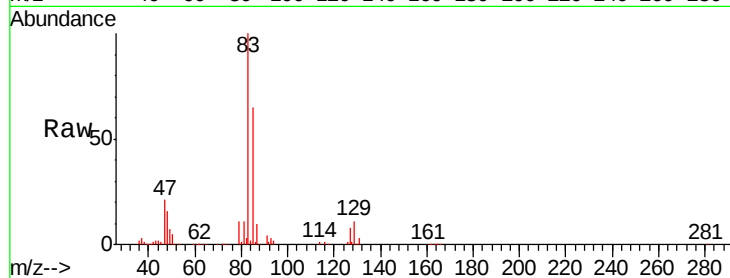
Tgt Ion: 83 Resp: 347466

Ion Ratio Lower Upper

83 100

85 64.7 50.1 75.1

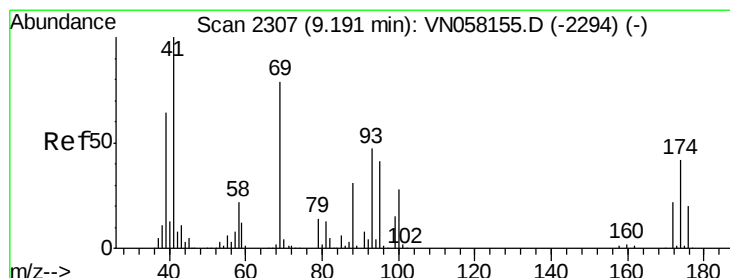
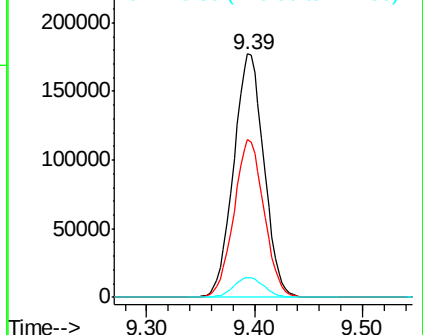
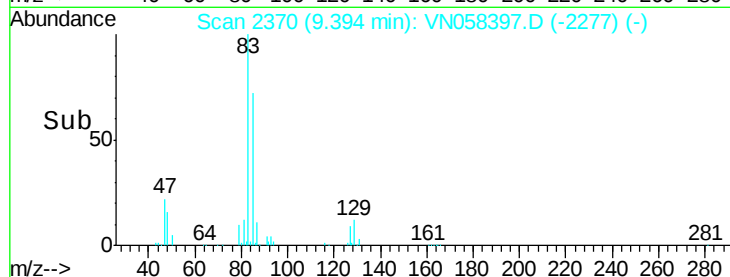
127 8.1 6.4 9.6



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): VN0



#48

Methyl methacrylate

Concen: 52.317 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

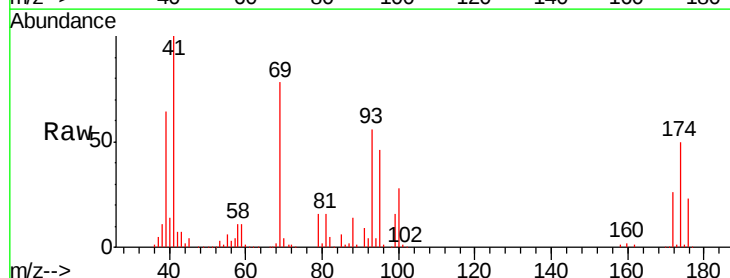
Tgt Ion: 41 Resp: 271548

Ion Ratio Lower Upper

41 100

69 78.6 62.5 93.7

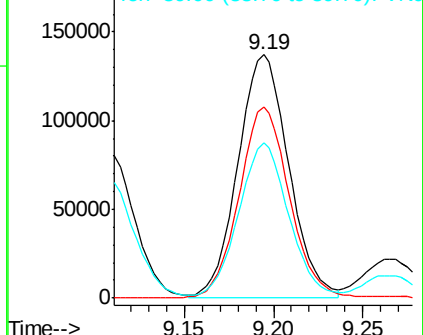
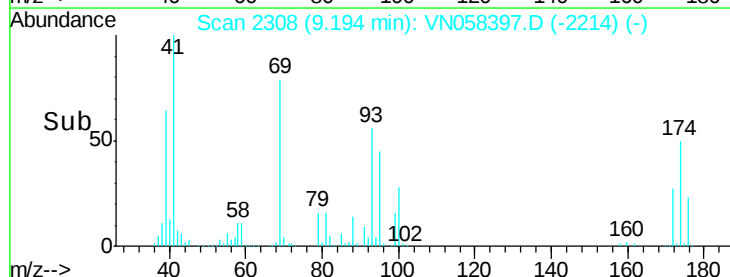
39 62.8 52.3 78.5

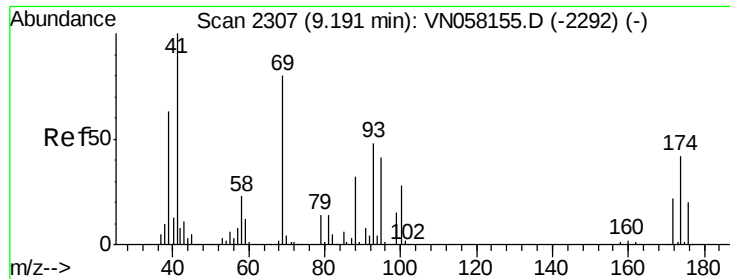


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

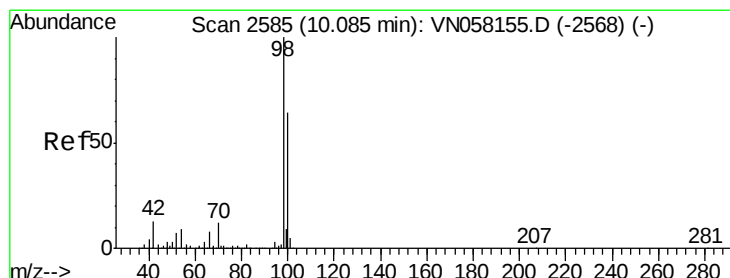
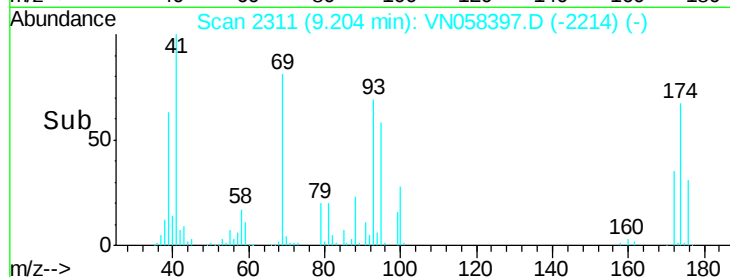
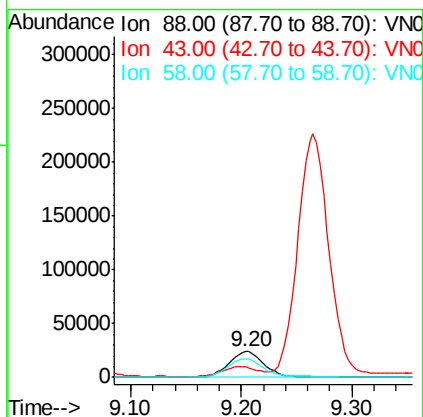
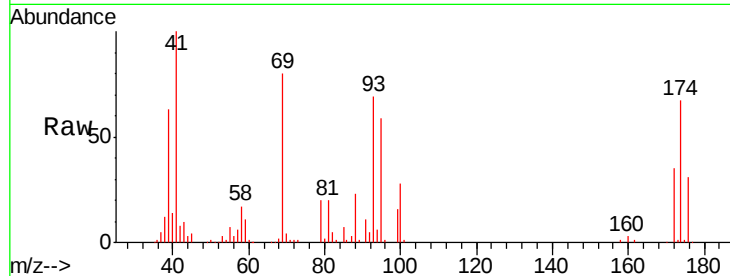




#49
1,4-Dioxane
Concen: 619.659 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

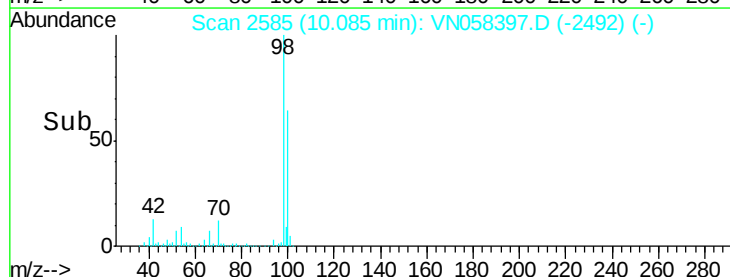
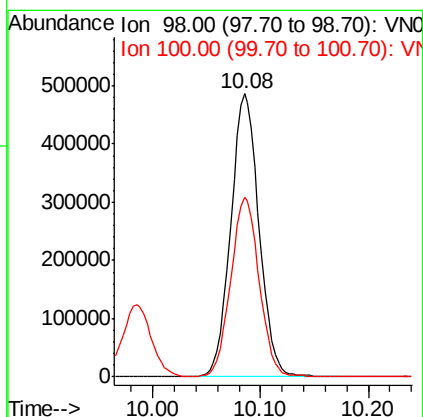
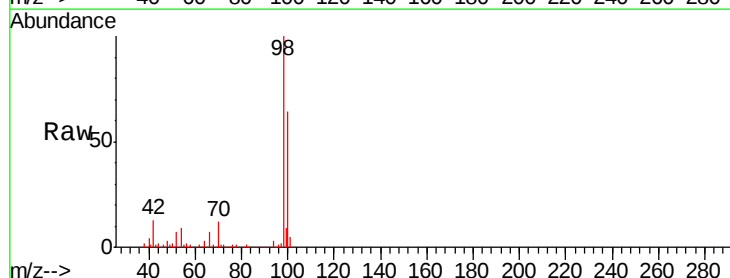
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

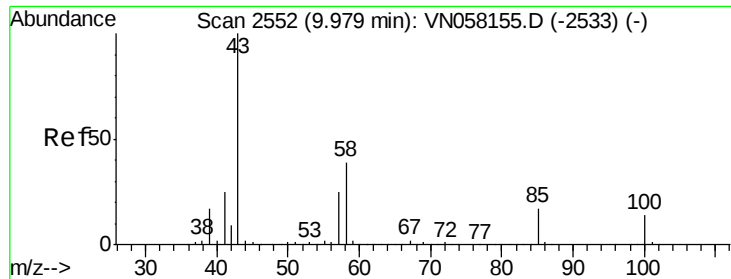
Tgt Ion: 88 Resp: 52806
Ion Ratio Lower Upper
88 100
43 38.3 27.8 41.8
58 79.0 55.0 82.4



#50
Toluene-d8
Concen: 45.824 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion: 98 Resp: 887720
Ion Ratio Lower Upper
98 100
100 63.8 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 281.791 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.01 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

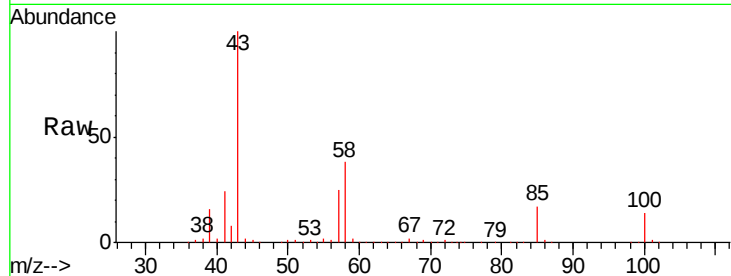
VSTDCCC050EC

Tgt Ion: 43 Resp: 1711040

Ion Ratio Lower Upper

43 100

58 37.5 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN058397.D (-2554) (-)

Ion 58.00 (57.70 to 58.70): VN058397.D (-2554) (-)

9.99

800000

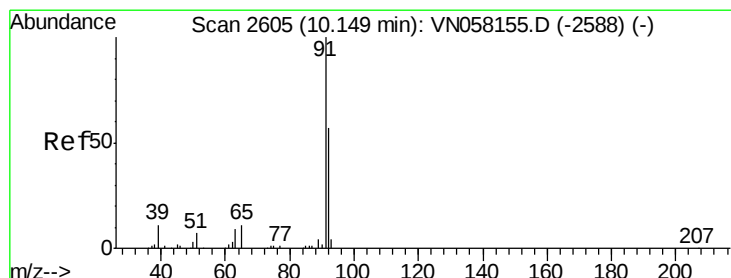
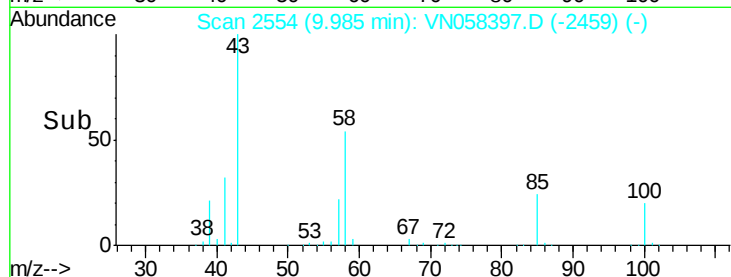
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.371 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058397.D

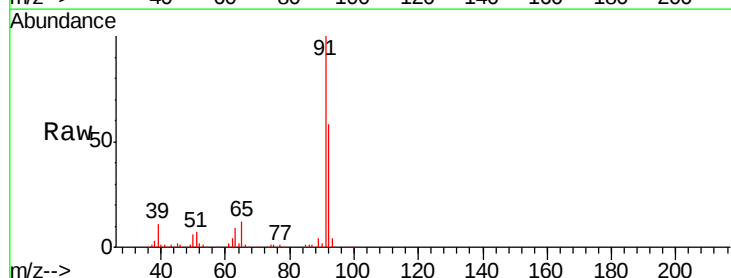
Acq: 26 Sep 2019 20:07

Tgt Ion: 92 Resp: 568702

Ion Ratio Lower Upper

92 100

91 174.5 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN058397.D (-2605) (-)

Ion 91.00 (90.70 to 91.70): VN058397.D (-2605) (-)

10.15

600000

500000

400000

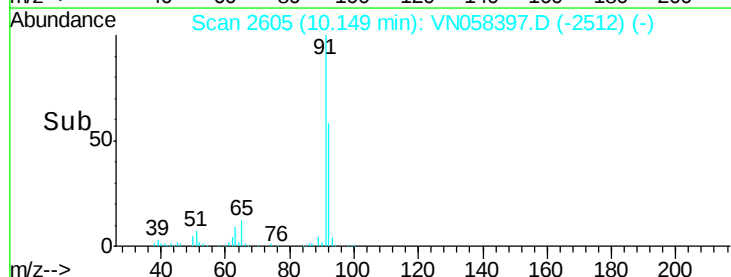
300000

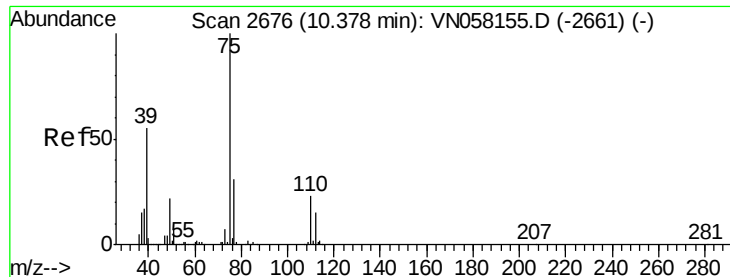
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.651 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

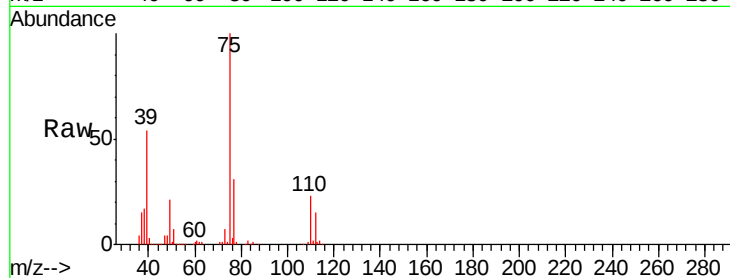
VSTDCCC050EC

Tgt Ion: 75 Resp: 376601

Ion Ratio Lower Upper

75 100

77 30.5 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN058397.D (-2583) (-)

Ion 76.90 (76.60 to 77.60): VN058397.D (-2583) (-)

10.38

250000

200000

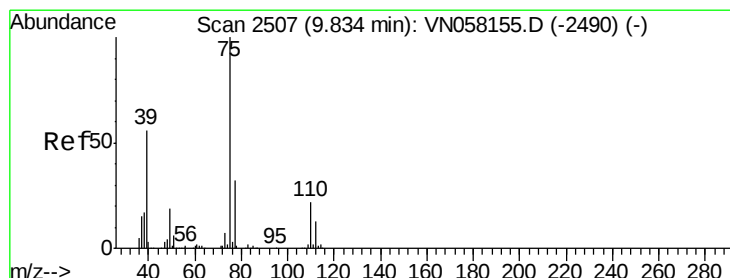
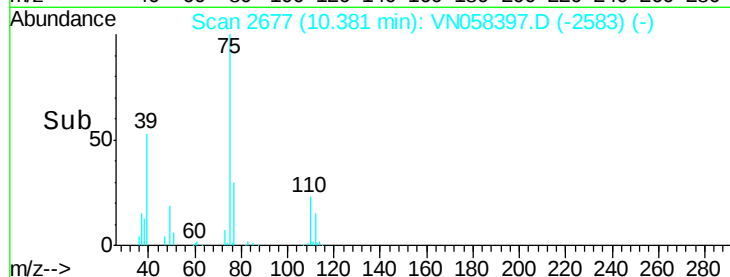
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.112 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

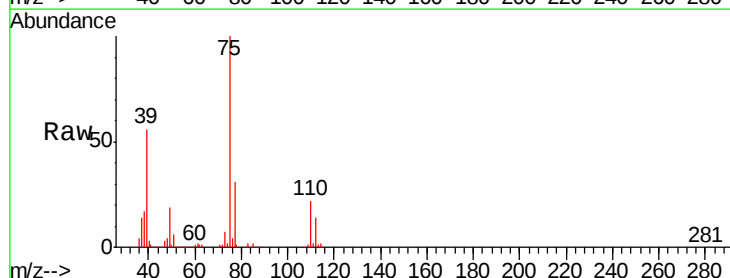
Tgt Ion: 75 Resp: 396114

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

39 56.2 45.0 67.6



Abundance Ion 74.90 (74.60 to 75.60): VN058397.D (-2414) (-)

Ion 76.90 (76.60 to 77.60): VN058397.D (-2414) (-)

Ion 39.00 (38.70 to 39.70): VN058397.D (-2414) (-)

9.83

300000

250000

200000

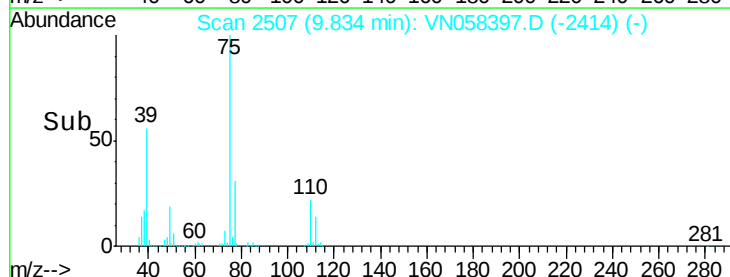
150000

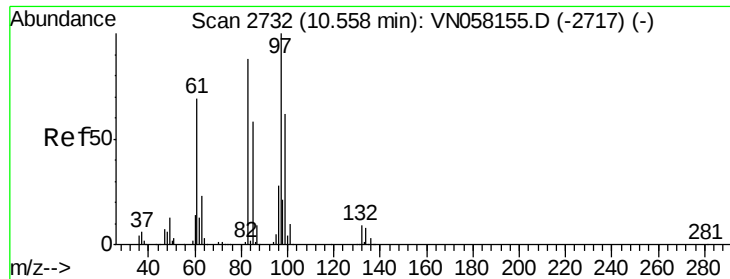
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 51.214 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 256599

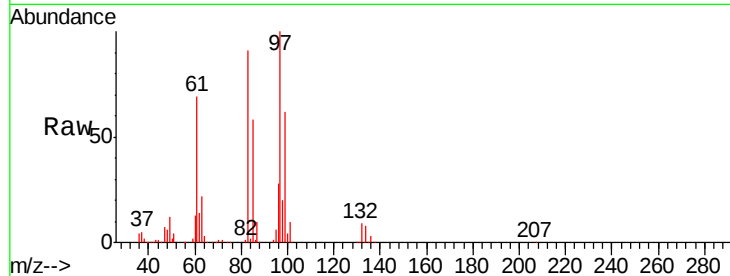
Ion Ratio Lower Upper

97 100

83 90.7 70.4 105.6

85 57.7 46.8 70.2

99 62.3 49.9 74.9

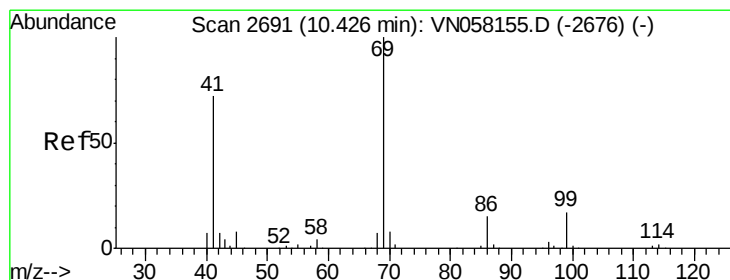
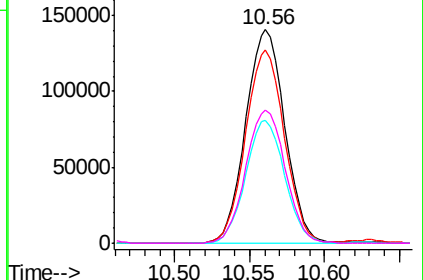
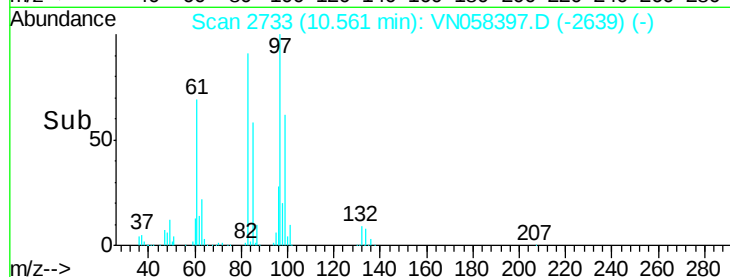


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 53.192 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

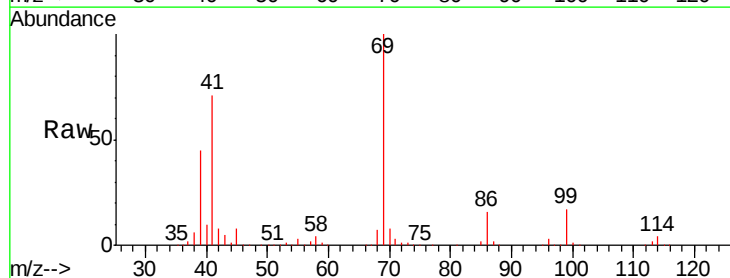
Tgt Ion: 69 Resp: 384530

Ion Ratio Lower Upper

69 100

41 70.3 57.5 86.3

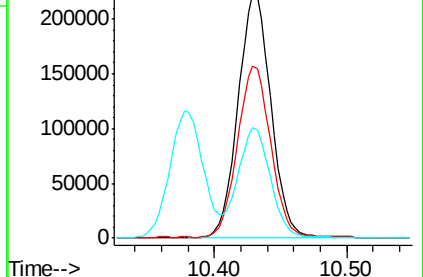
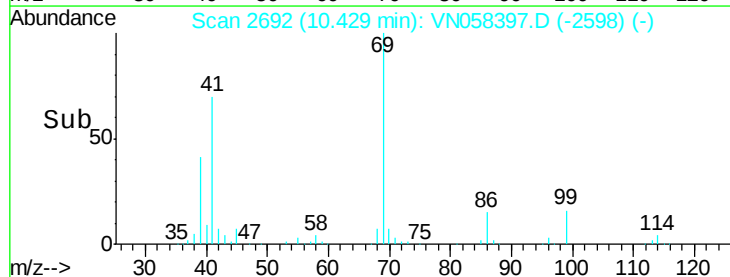
39 44.2 36.1 54.1

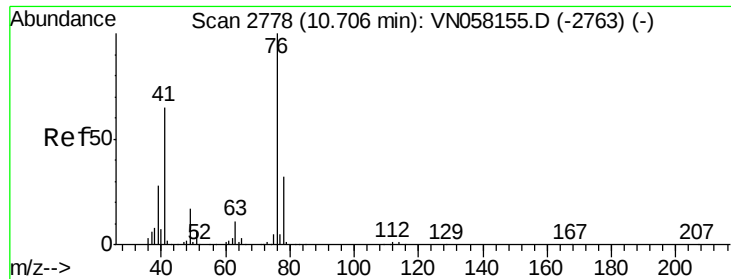


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

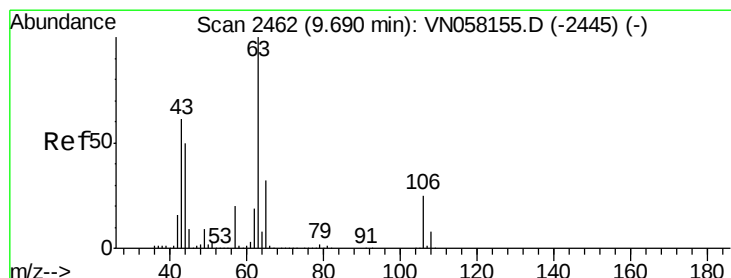
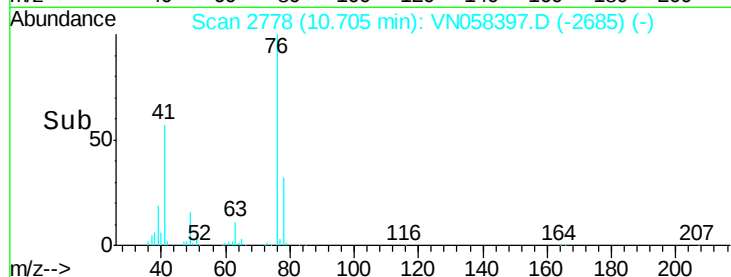
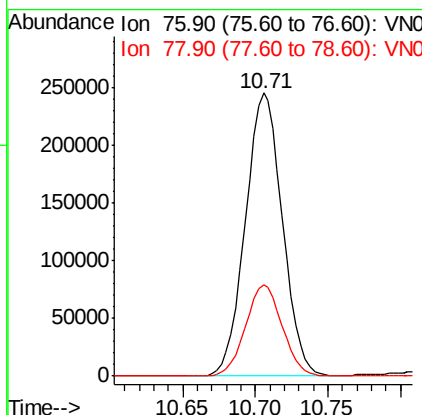
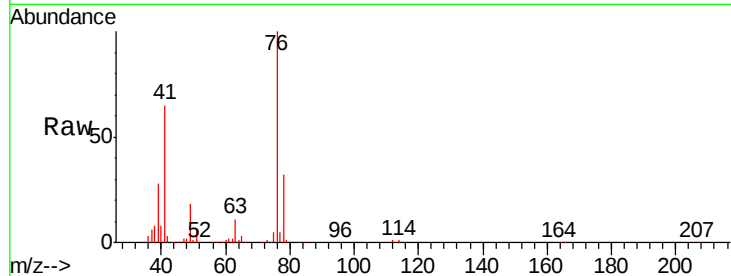




#57
 1,3-Dichloropropane
 Concen: 50.504 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

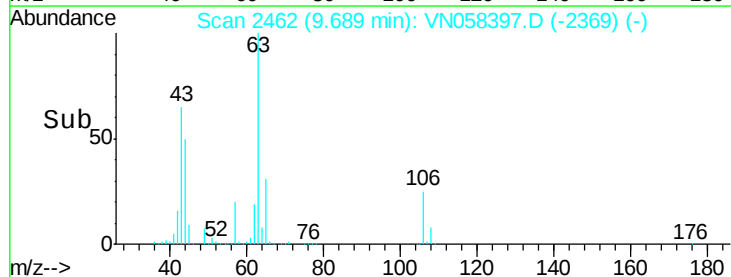
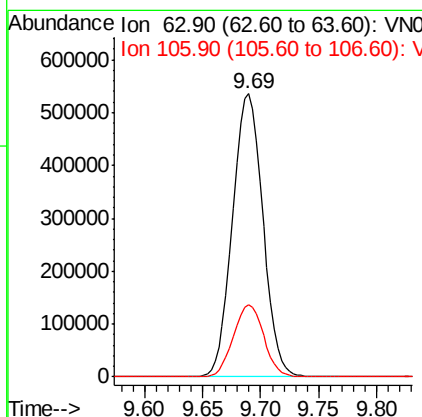
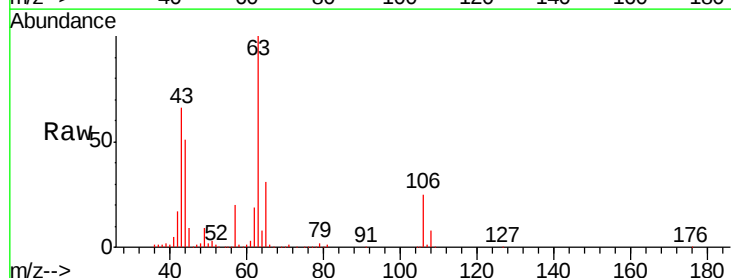
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

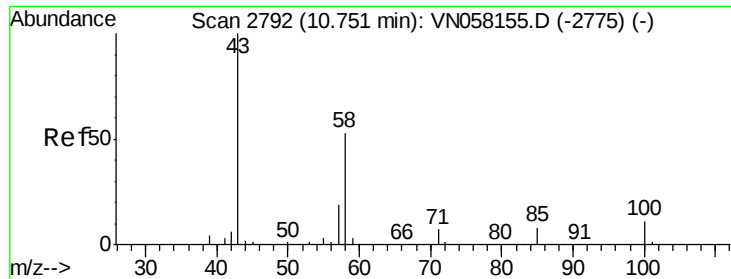
Tgt Ion: 76 Resp: 435010
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 281.726 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

Tgt Ion: 63 Resp: 970094
 Ion Ratio Lower Upper
 63 100
 106 25.5 19.9 29.9

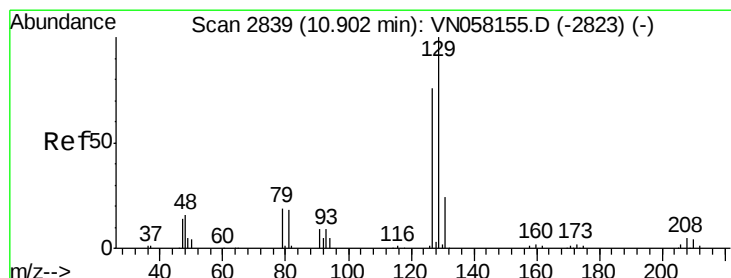
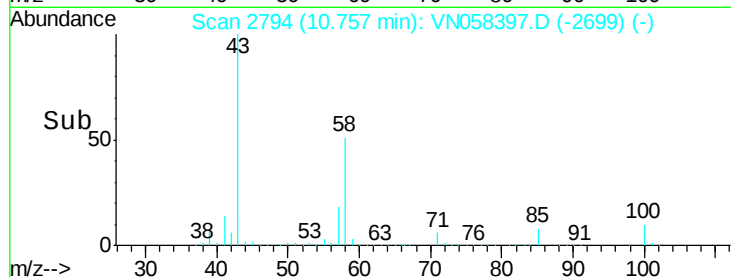
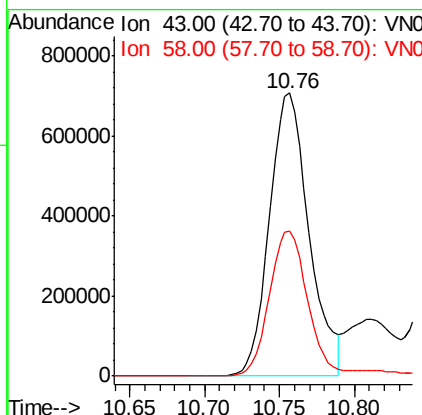
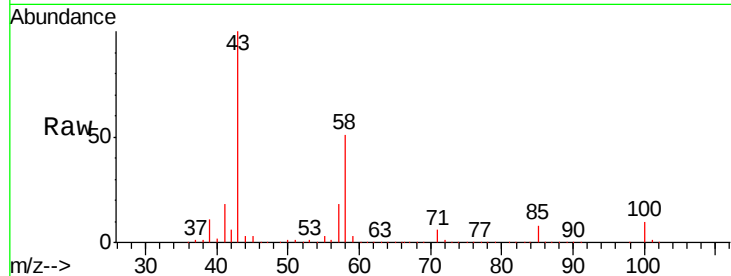




#59
2-Hexanone
Concen: 288.227 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

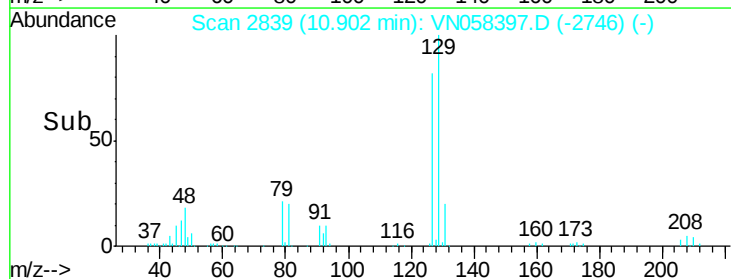
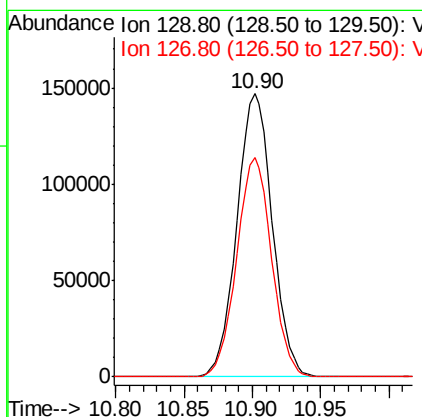
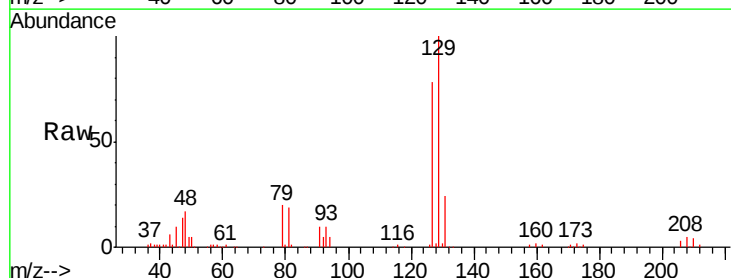
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

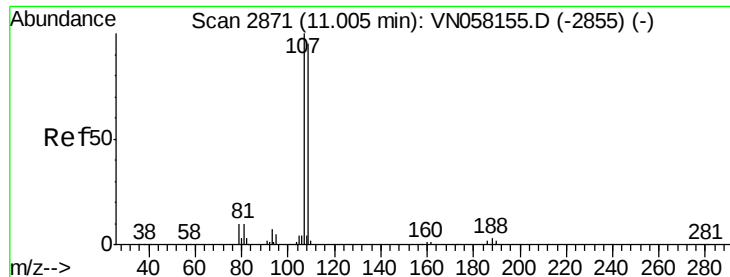
Tgt Ion: 43 Resp: 1299795
Ion Ratio Lower Upper
43 100
58 49.4 26.0 78.0



#60
Dibromochloromethane
Concen: 54.885 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion: 129 Resp: 264556
Ion Ratio Lower Upper
129 100
127 76.4 38.7 116.1

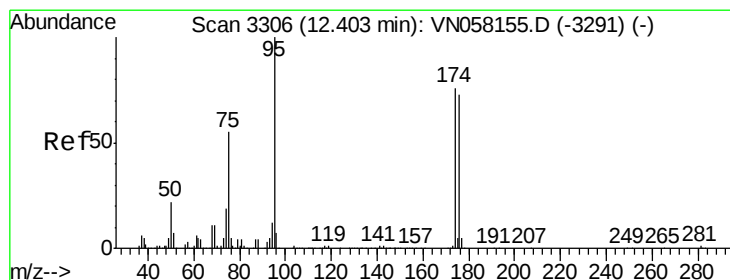
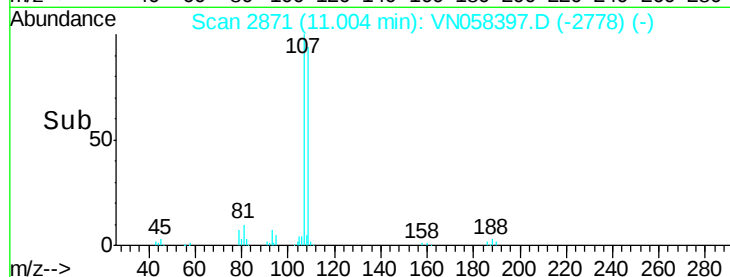
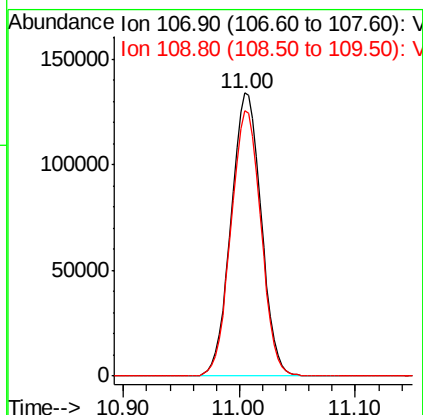
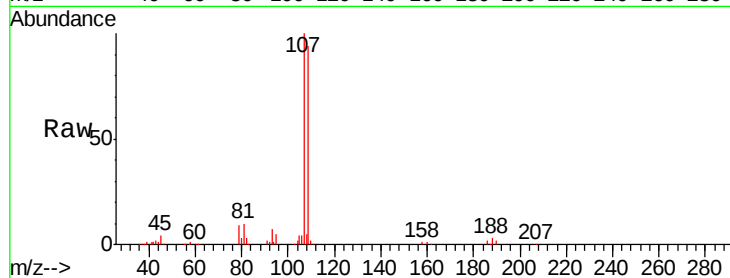




#61
 1,2-Dibromoethane
 Concen: 51.939 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

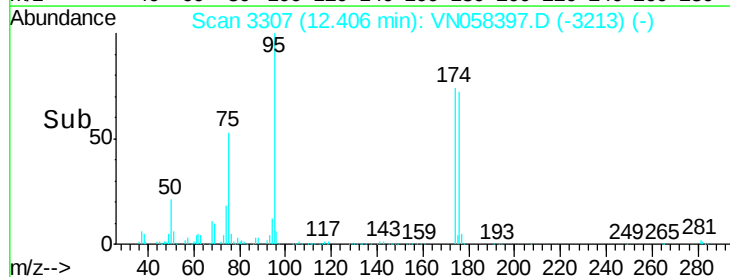
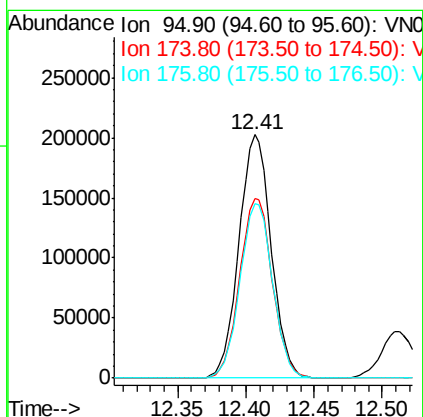
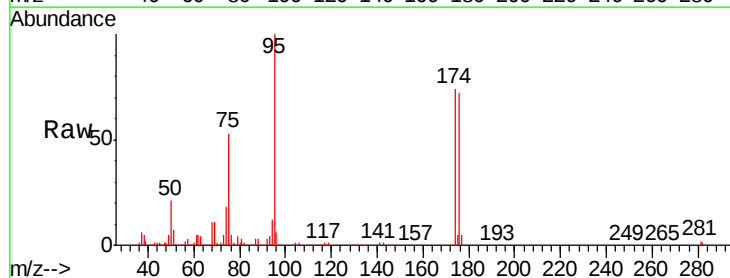
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

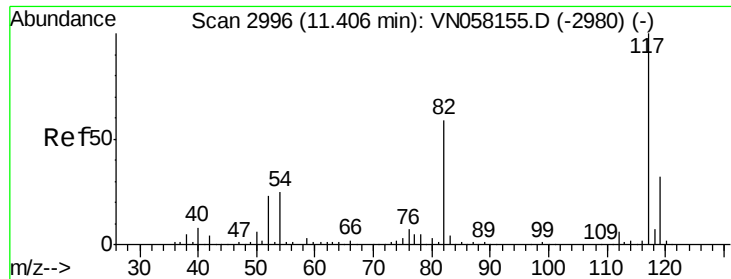
Tgt Ion: 107 Resp: 241168
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 46.081 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

Tgt Ion: 95 Resp: 331604
 Ion Ratio Lower Upper
 95 100
 174 75.1 0.0 152.2
 176 72.8 0.0 148.0

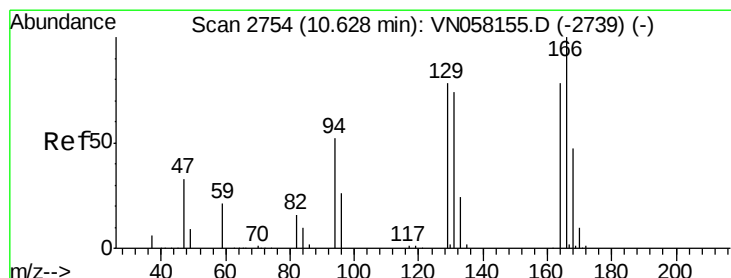
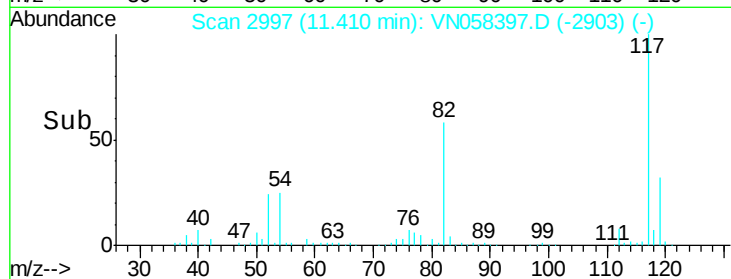
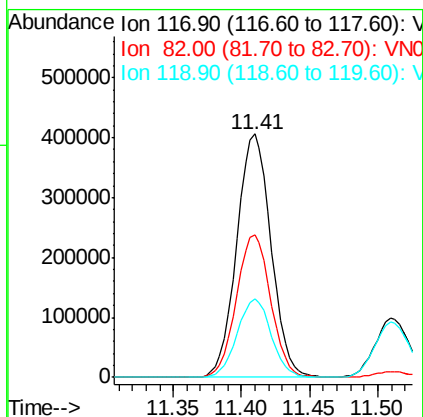
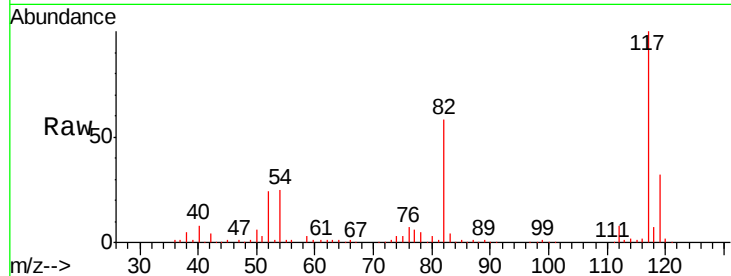




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

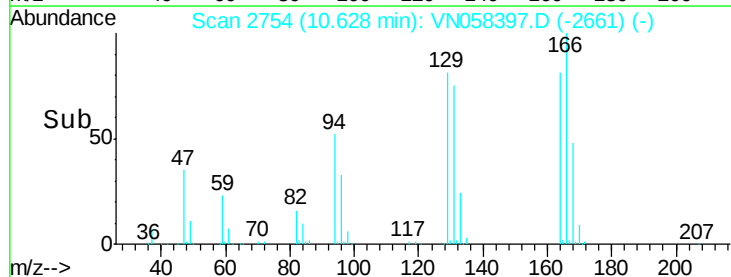
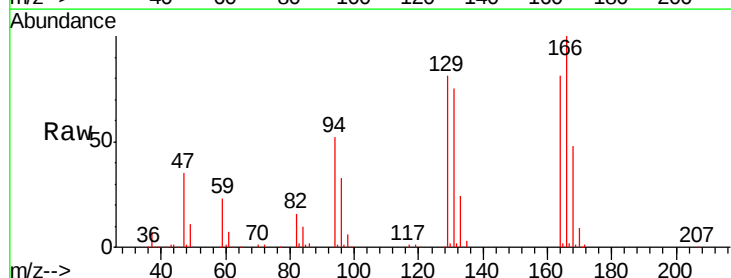
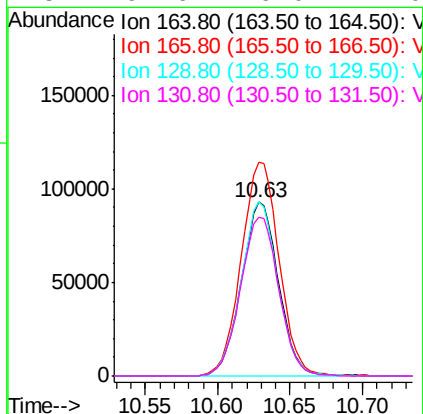
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

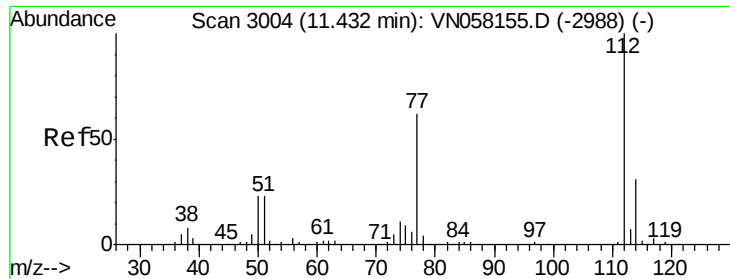
Tgt Ion:117 Resp: 709850
Ion Ratio Lower Upper
117 100
82 58.4 46.9 70.3
119 32.1 25.3 37.9



#64
Tetrachloroethene
Concen: 47.905 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion:164 Resp: 165768
Ion Ratio Lower Upper
164 100
166 122.8 102.2 153.4
129 99.9 79.6 119.4
131 91.6 76.0 114.0

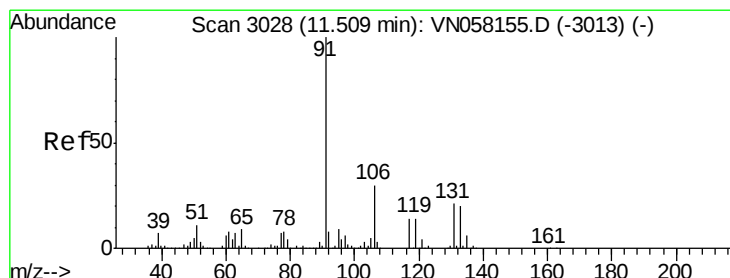
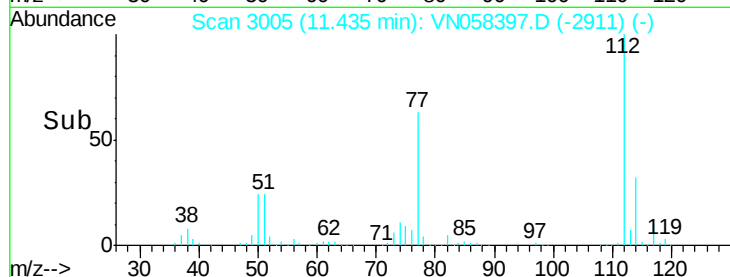
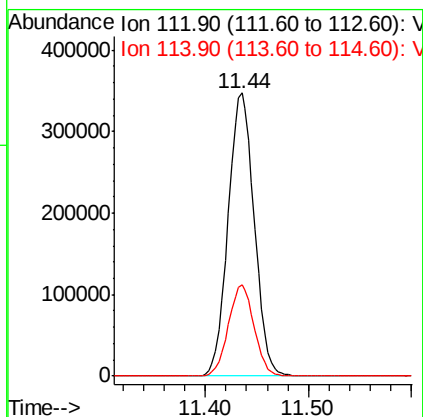
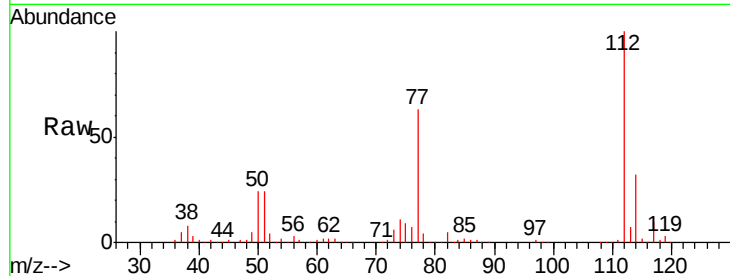




#65
Chlorobenzene
Concen: 49.101 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

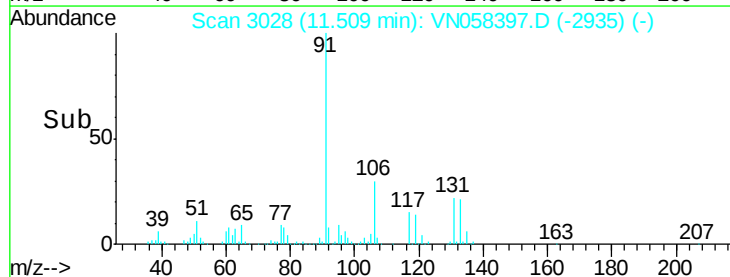
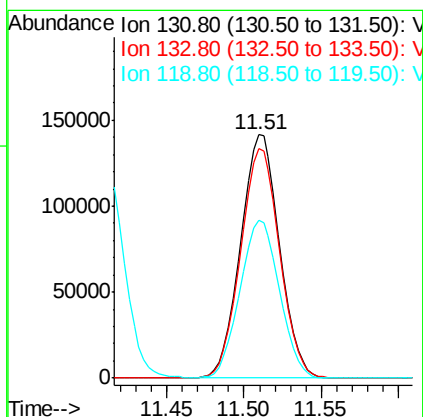
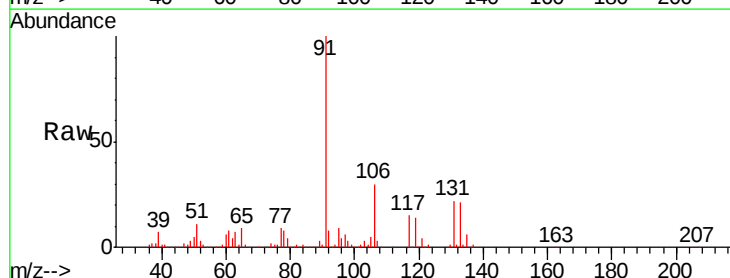
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

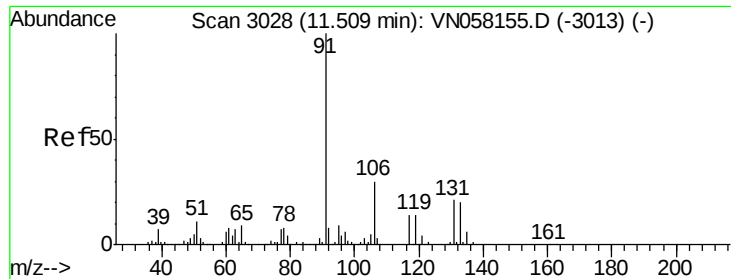
Tgt Ion:112 Resp: 613068
Ion Ratio Lower Upper
112 100
114 32.2 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 54.596 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion:131 Resp: 247178
Ion Ratio Lower Upper
131 100
133 94.8 47.8 143.3
119 66.0 33.1 99.3

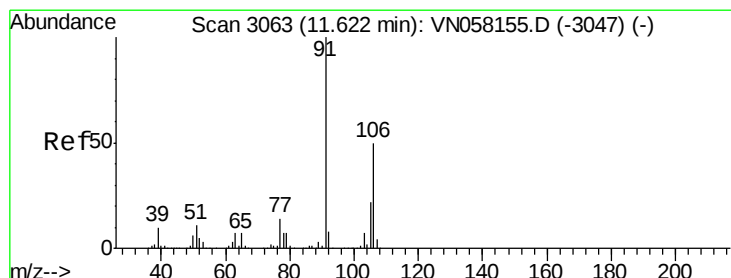
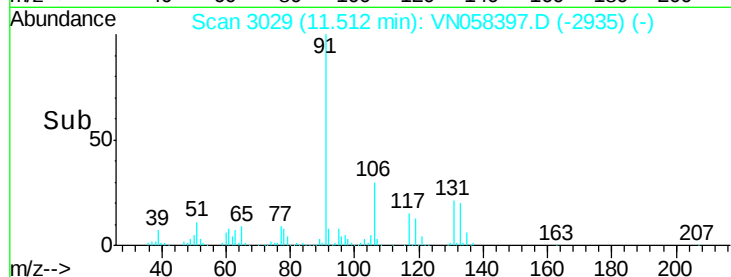
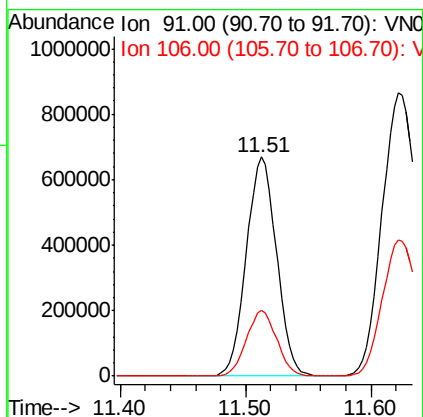
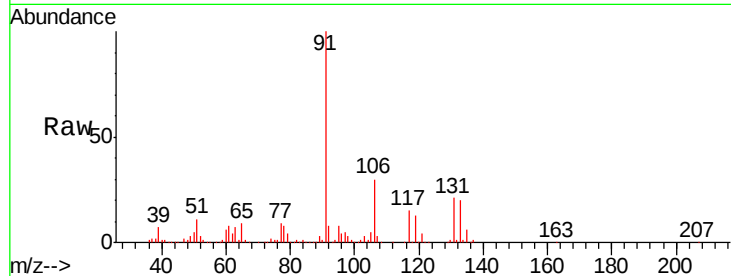




#67
Ethyl Benzene
Concen: 52.303 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

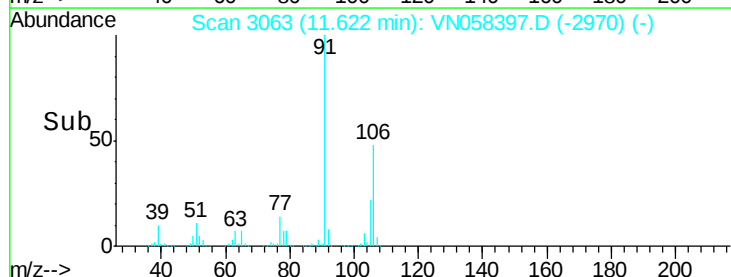
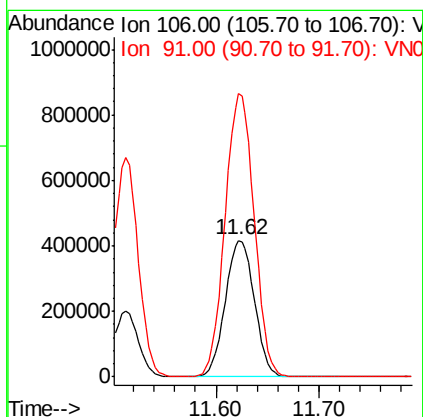
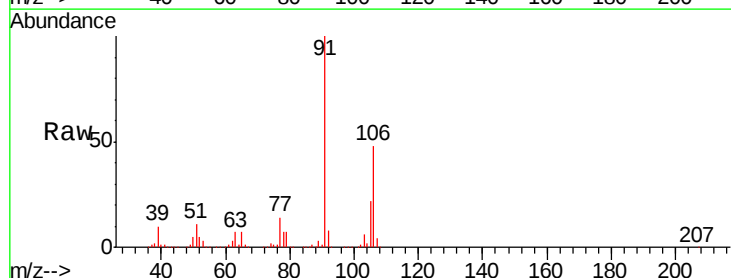
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

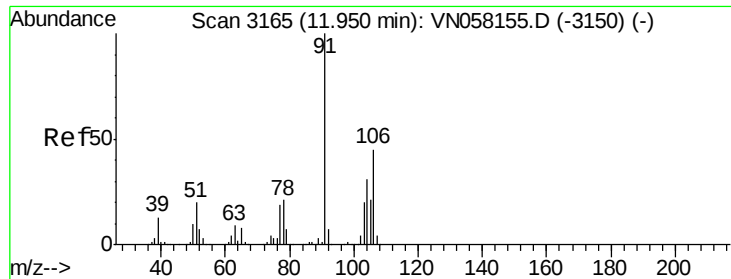
Tgt Ion: 91 Resp: 1118980
Ion Ratio Lower Upper
91 100
106 30.1 24.0 36.0



#68
m/p-Xylenes
Concen: 101.532 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion: 106 Resp: 818119
Ion Ratio Lower Upper
106 100
91 207.8 163.6 245.4

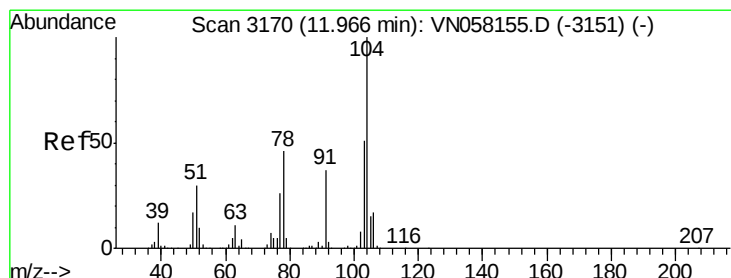
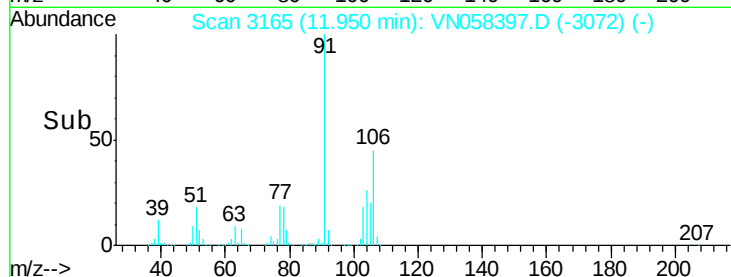
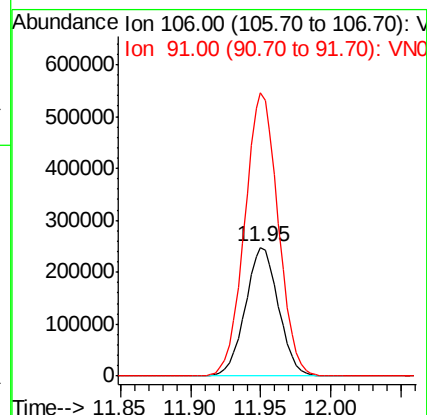
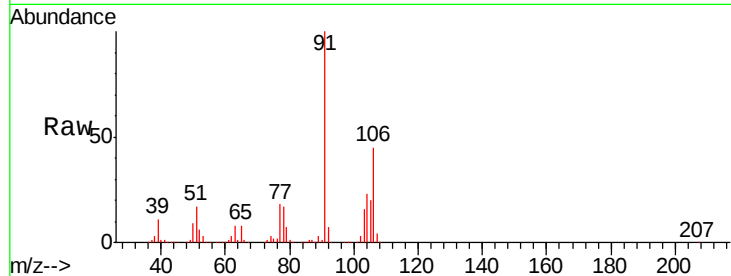




#69
o-Xylene
Concen: 51.508 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

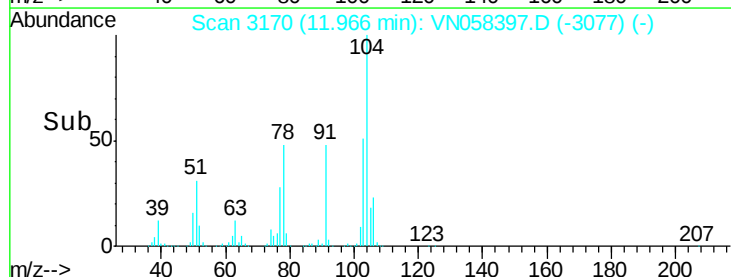
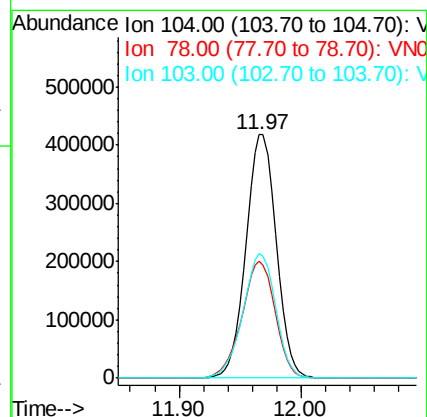
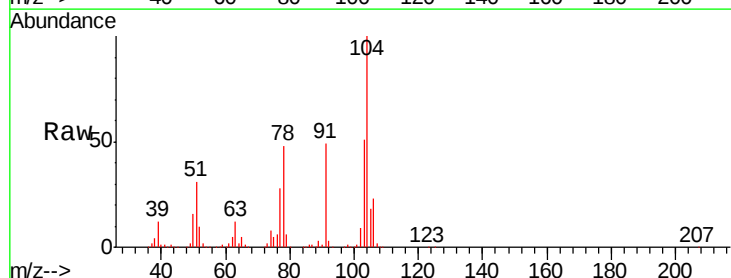
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

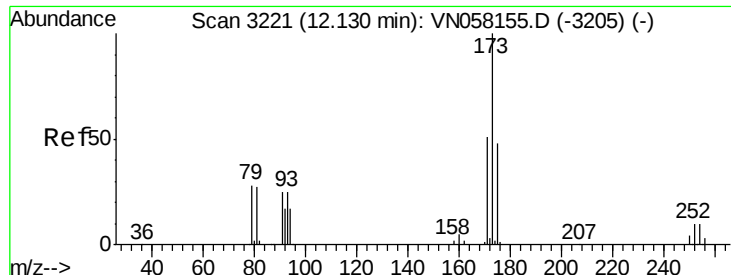
Tgt Ion:106 Resp: 408102
Ion Ratio Lower Upper
106 100
91 222.4 111.8 335.3



#70
Styrene
Concen: 52.403 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion:104 Resp: 715371
Ion Ratio Lower Upper
104 100
78 53.0 41.8 62.8
103 55.1 44.2 66.2





#71

Bromoform

Concen: 47.295 ug/l

RT: 12.13 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

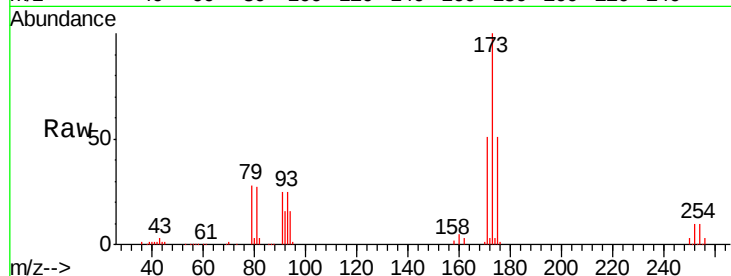
Tgt Ion:173 Resp: 158045

Ion Ratio Lower Upper

173 100

175 49.6 24.2 72.6

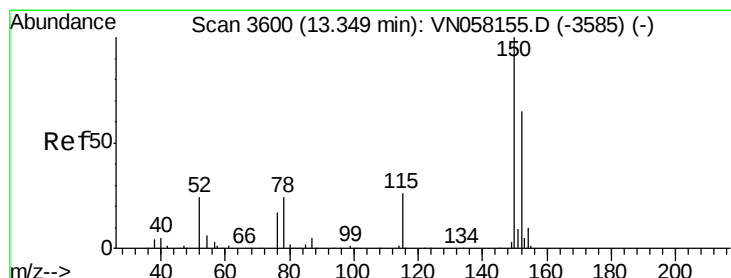
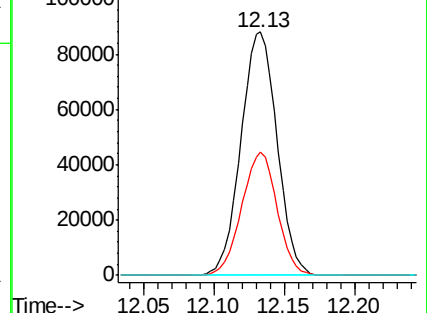
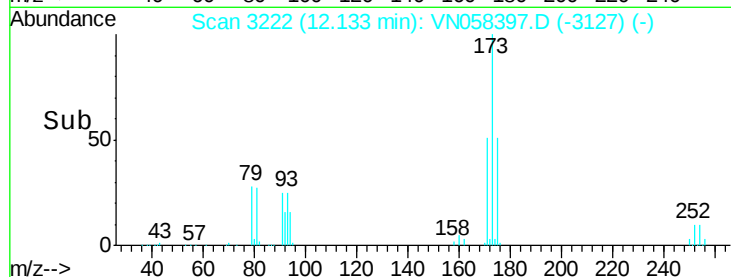
254 0.0 0.1 0.1#



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: VN058397.D

Acq: 26 Sep 2019 20:07

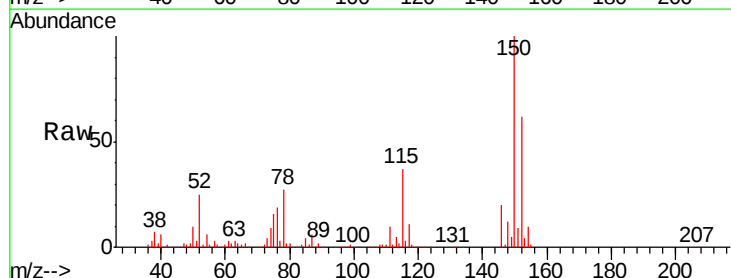
Tgt Ion:152 Resp: 334978

Ion Ratio Lower Upper

152 100

115 60.5 30.1 90.3

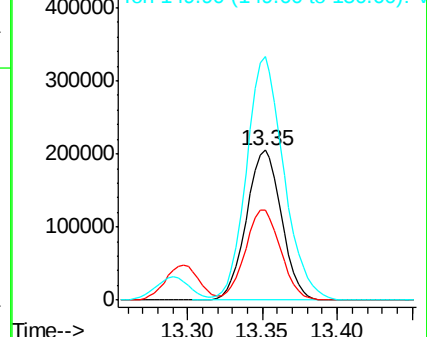
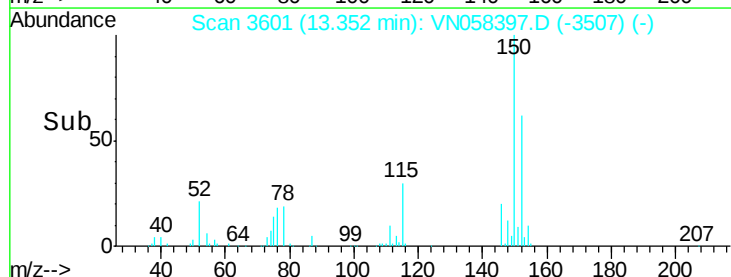
150 173.0 0.0 346.4

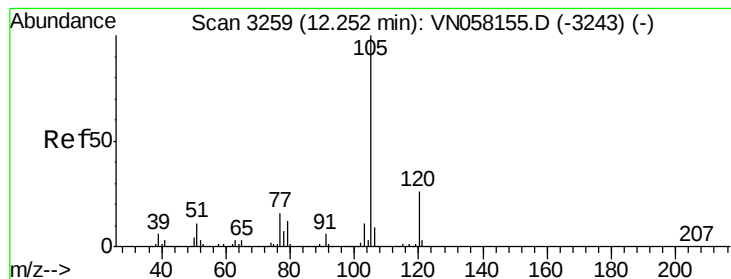


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.366 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

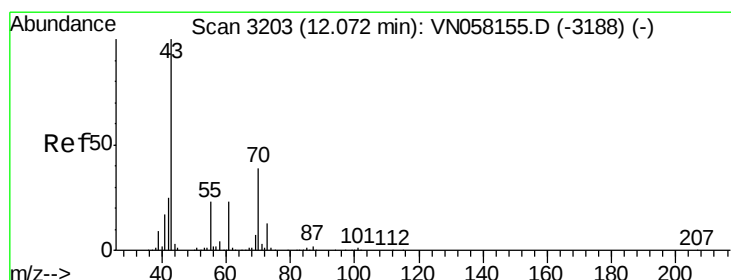
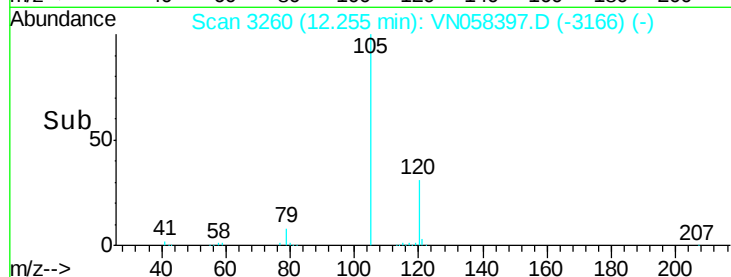
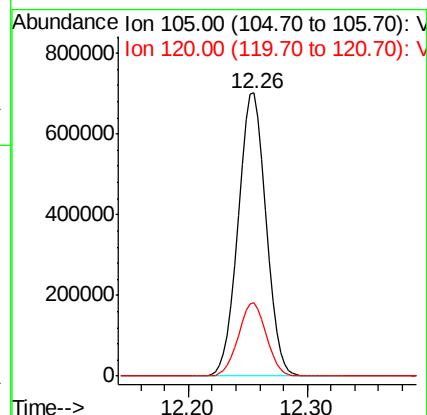
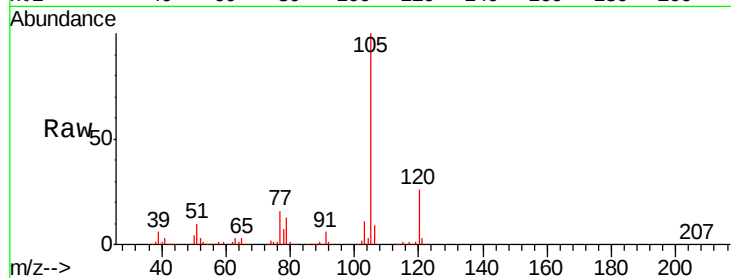
VSTDCCC050EC

Tgt Ion:105 Resp: 1139919

Ion Ratio Lower Upper

105 100

120 25.8 12.8 38.3



#74

N-ethyl acetate

Concen: 62.265 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Tgt Ion: 43 Resp: 546164

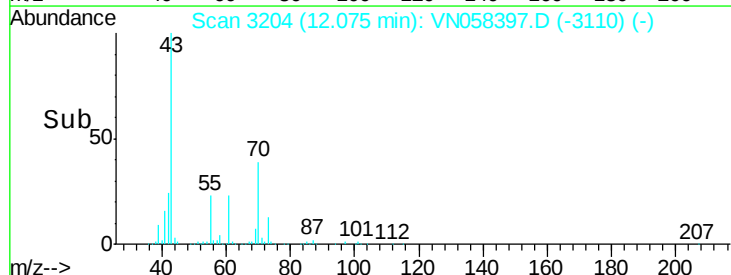
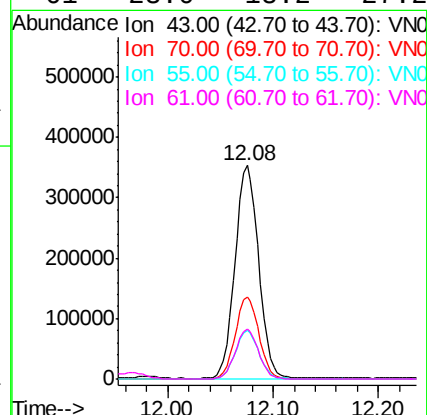
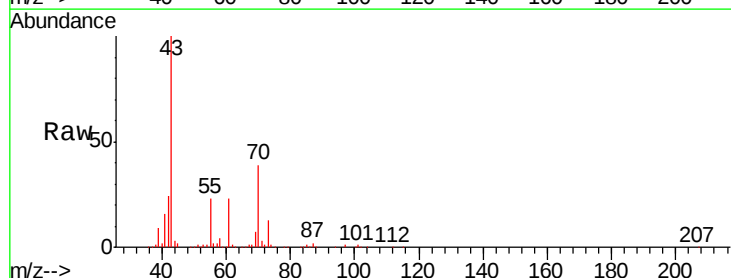
Ion Ratio Lower Upper

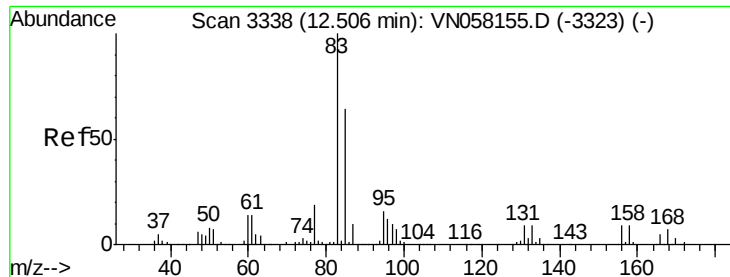
43 100

70 38.6 31.0 46.6

55 23.0 18.5 27.7

61 23.0 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 56.334 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

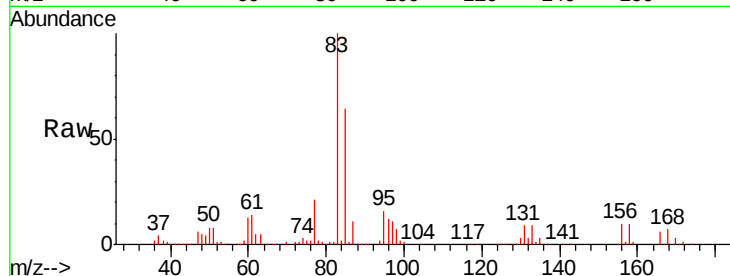
Tgt Ion: 83 Resp: 395551

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.3

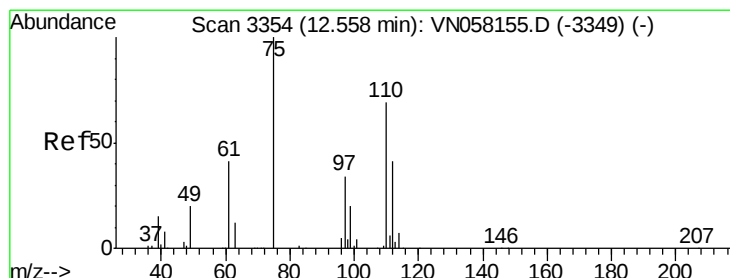
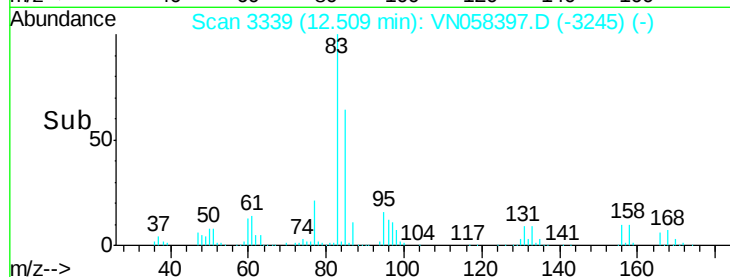
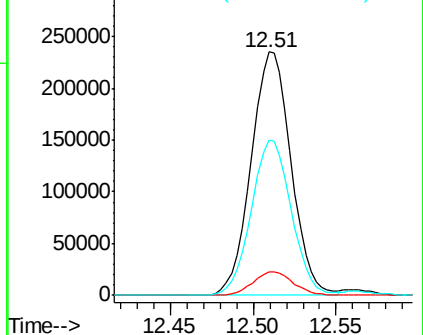
85 63.7 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 79.846 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN058397.D

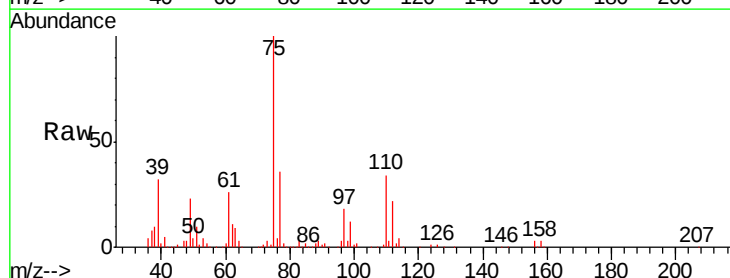
Acq: 26 Sep 2019 20:07

Tgt Ion: 75 Resp: 478681

Ion Ratio Lower Upper

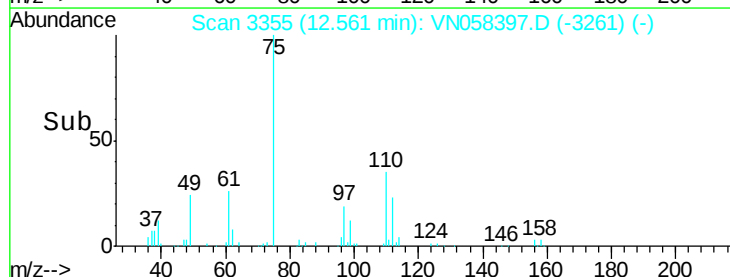
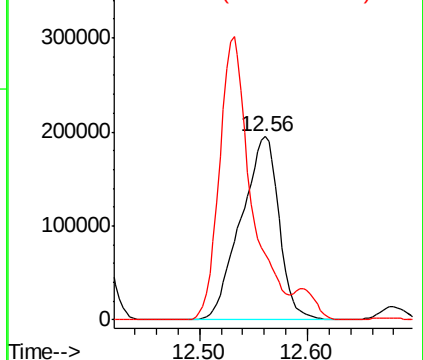
75 100

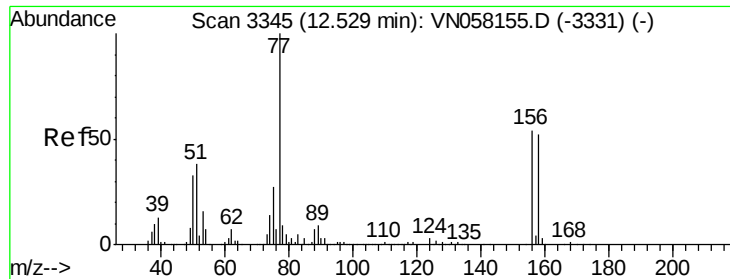
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 51.468 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

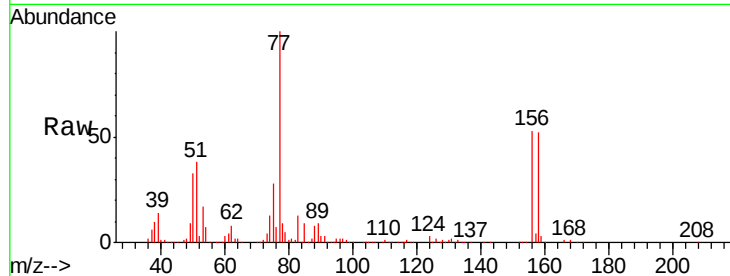
Tgt Ion:156 Resp: 271454

Ion Ratio Lower Upper

156 100

77 228.1 111.7 335.1

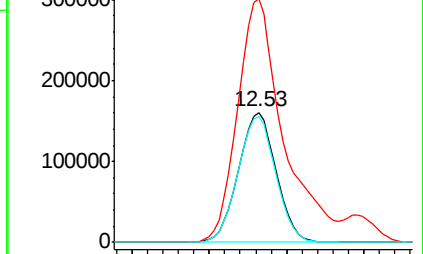
158 97.2 47.9 143.8



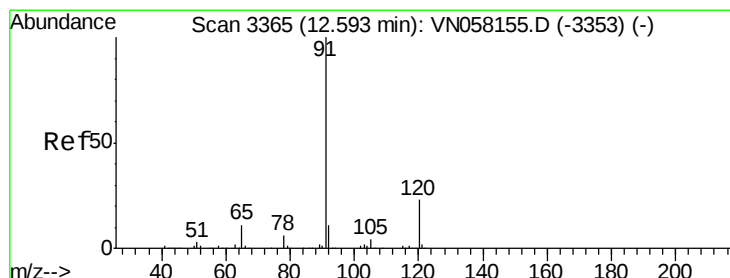
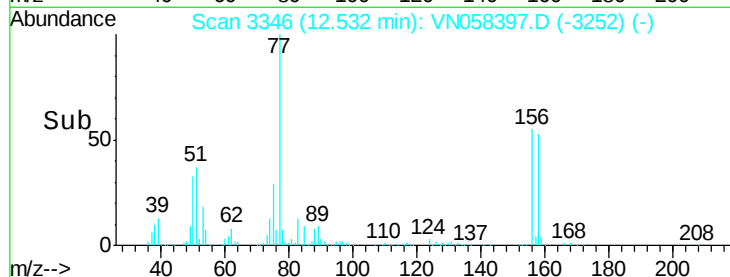
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time--> 12.45 12.50 12.55 12.60



#78

n-propylbenzene

Concen: 55.263 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058397.D

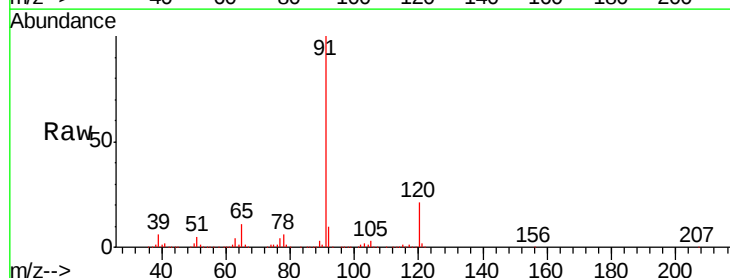
Acq: 26 Sep 2019 20:07

Tgt Ion: 91 Resp: 1316717

Ion Ratio Lower Upper

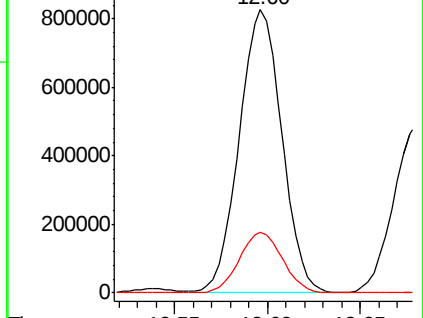
91 100

120 21.7 11.1 33.3

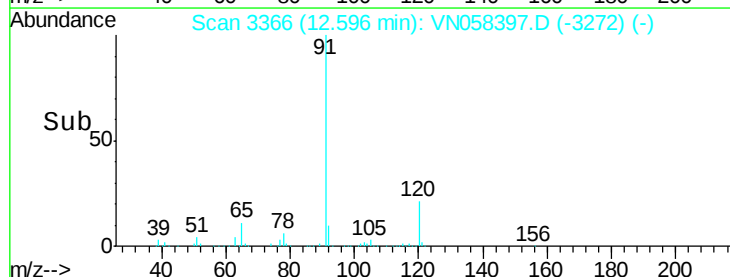


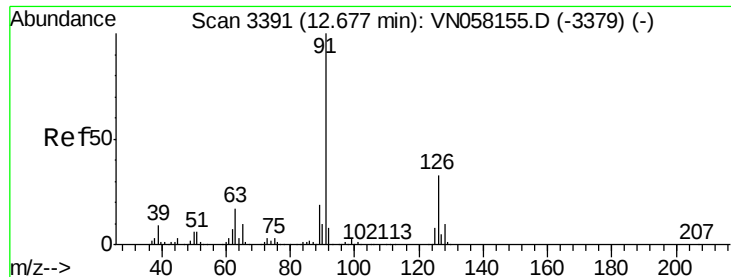
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time--> 12.55 12.60 12.65





#79

2-Chlorotoluene

Concen: 53.469 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

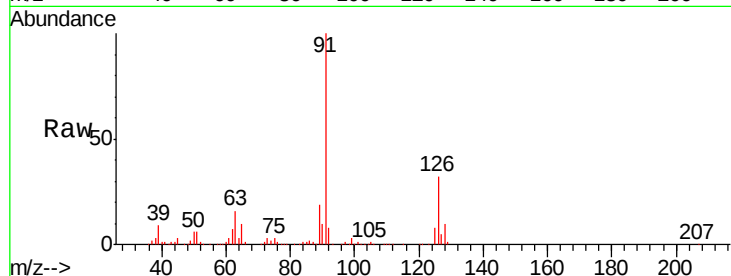
VSTDCCC050EC

Tgt Ion: 91 Resp: 796186

Ion Ratio Lower Upper

91 100

126 32.7 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058155.D (-3379) (-)

800000

600000

400000

200000

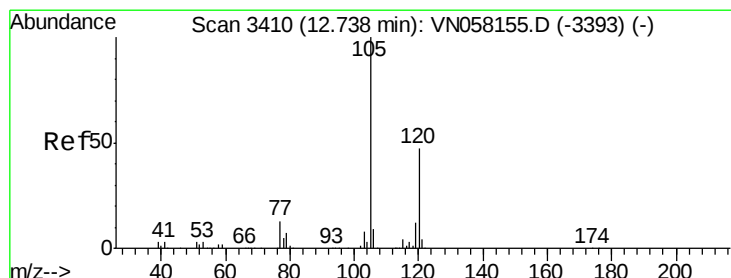
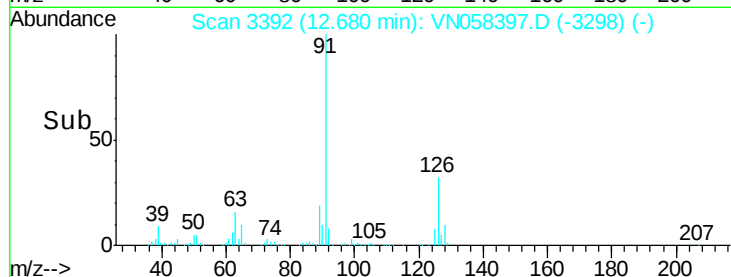
0

12.68

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.896 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058397.D

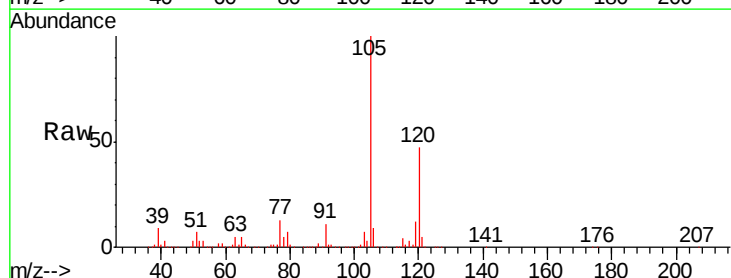
Acq: 26 Sep 2019 20:07

Tgt Ion: 105 Resp: 973333

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058155.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058155.D (-3393) (-)

600000

400000

200000

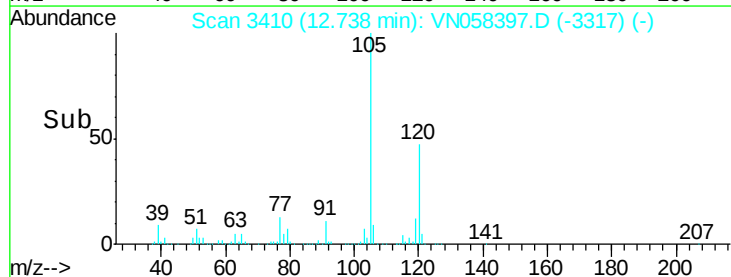
0

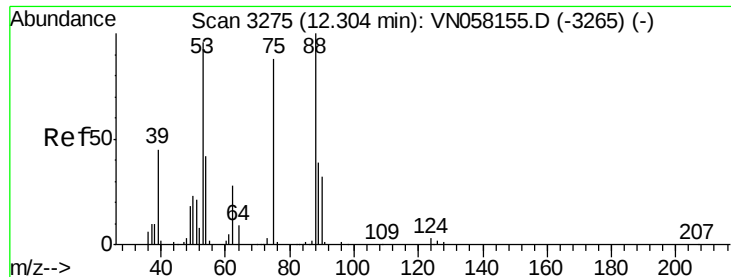
12.74

12.70

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 53.523 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

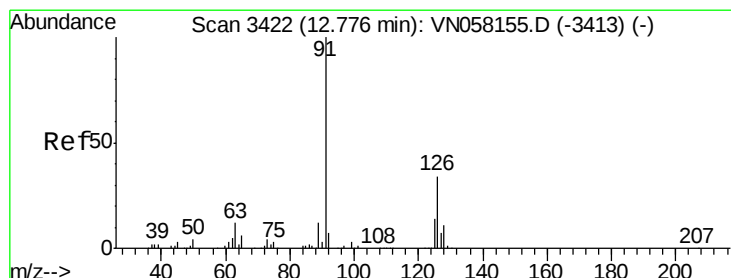
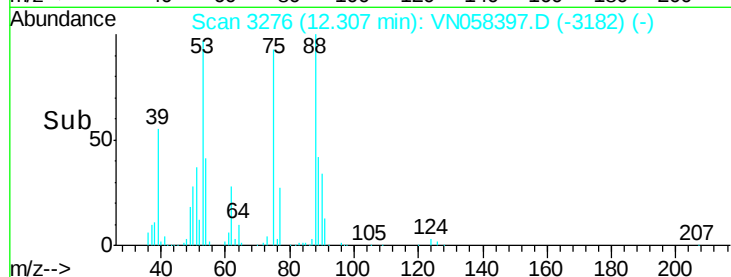
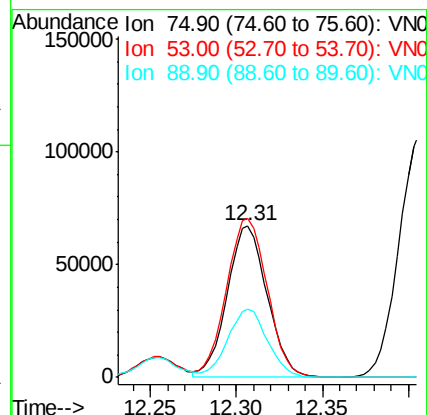
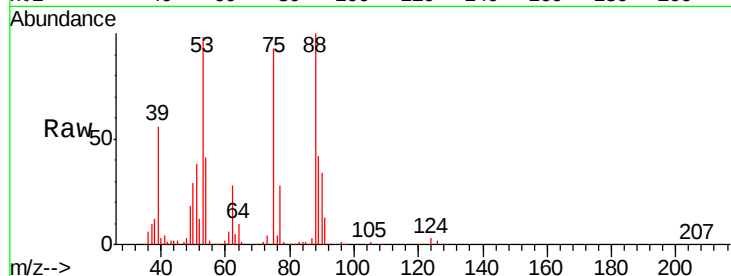
Tgt Ion: 75 Resp: 108738

Ion Ratio Lower Upper

75 100

53 107.7 90.1 135.1

89 44.7 36.2 54.2



#82

4-Chlorotoluene

Concen: 53.425 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058397.D

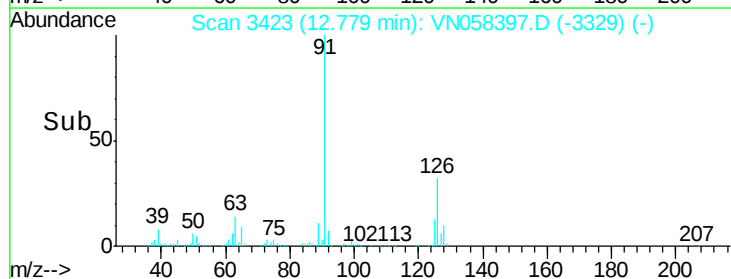
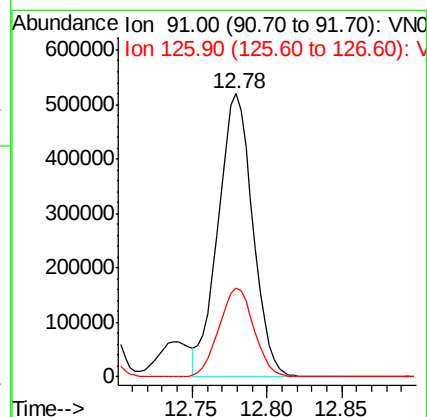
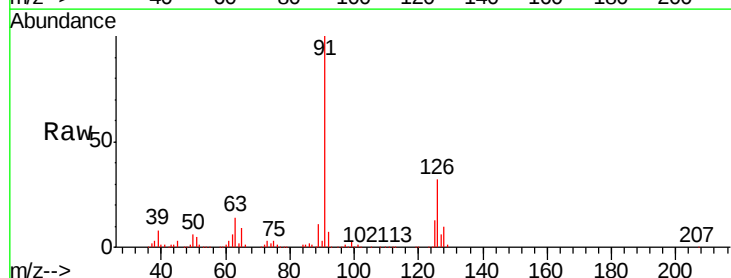
Acq: 26 Sep 2019 20:07

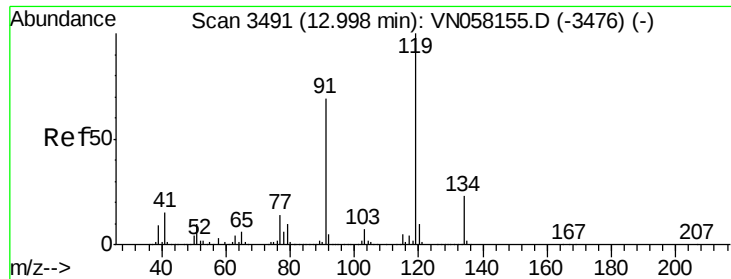
Tgt Ion: 91 Resp: 836250

Ion Ratio Lower Upper

91 100

126 31.8 15.7 47.1

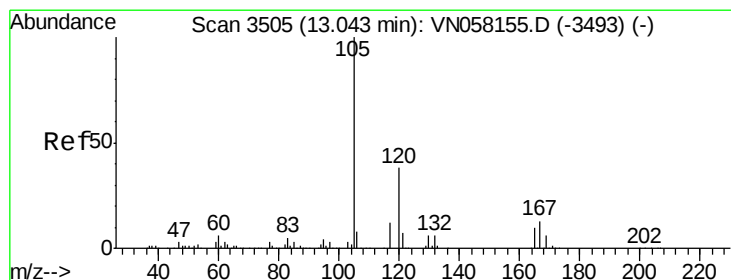
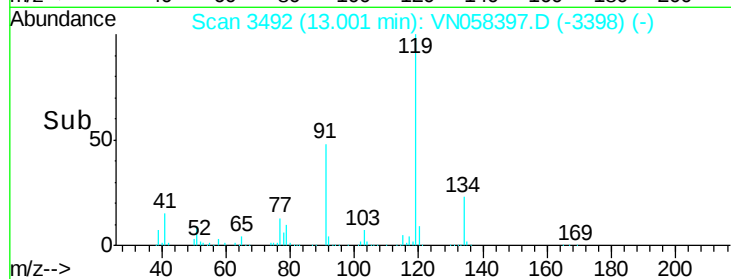
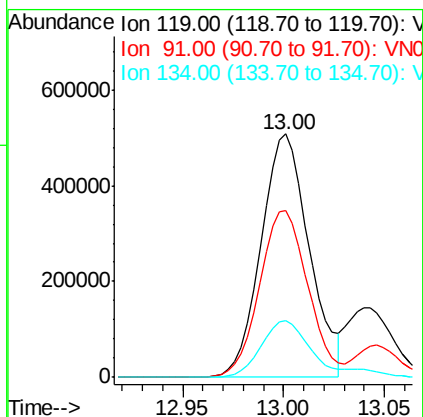
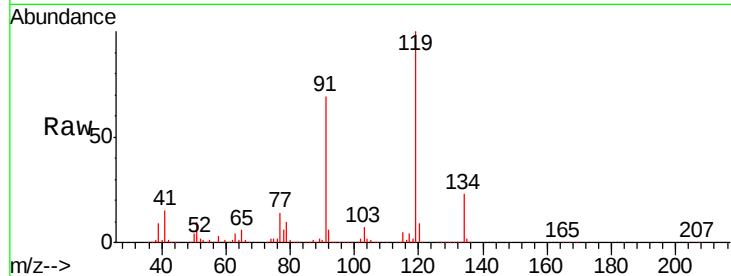




#83
 tert-Butylbenzene
 Concen: 53.448 ug/l
 RT: 13.00 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

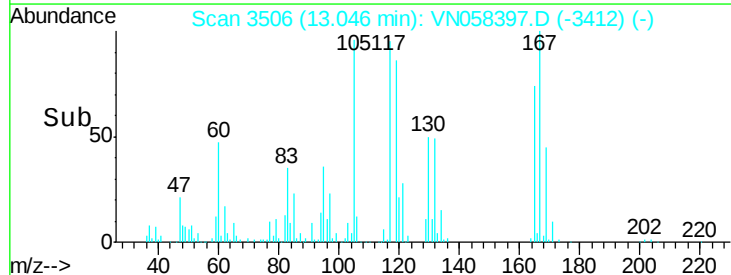
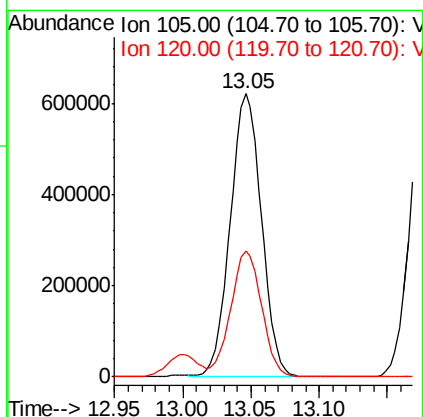
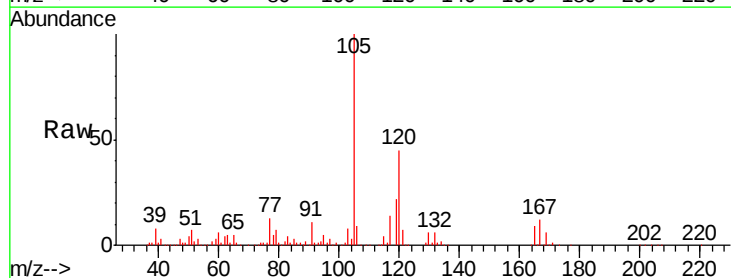
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

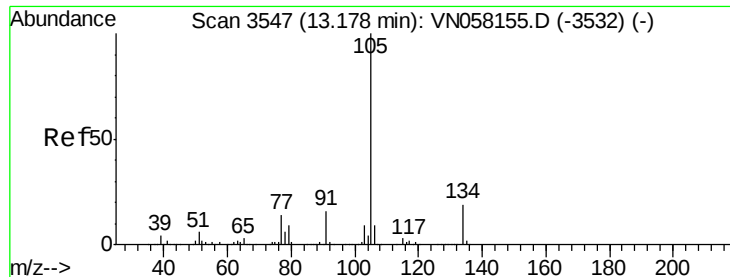
Tgt Ion:119 Resp: 845101
 Ion Ratio Lower Upper
 119 100
 91 68.7 33.8 101.3
 134 23.4 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 55.800 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

Tgt Ion:105 Resp: 984574
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.1 66.5





#85

sec-Butylbenzene

Concen: 53.659 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

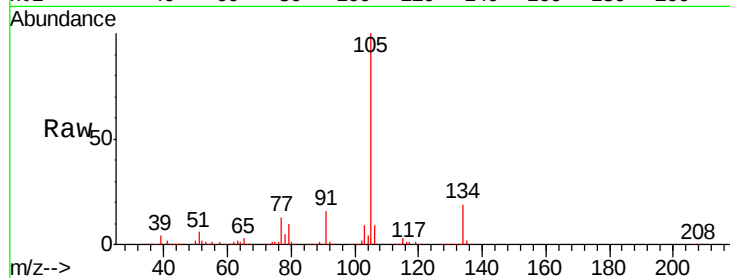
VSTDCCC050EC

Tgt Ion:105 Resp: 1109472

Ion Ratio Lower Upper

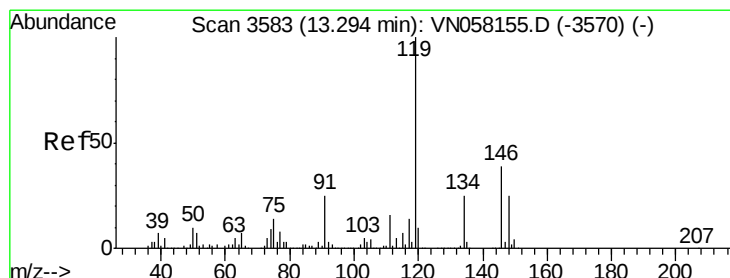
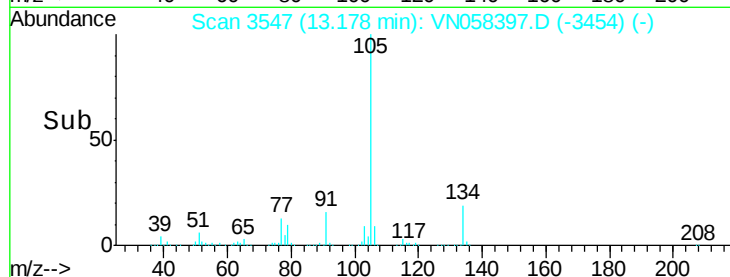
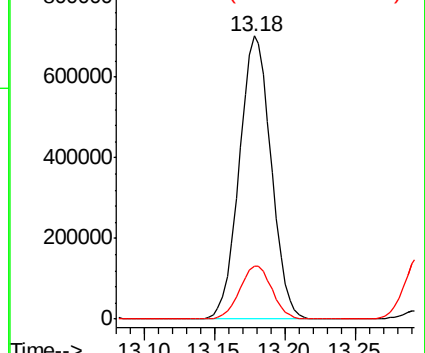
105 100

134 19.1 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: 54.004 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

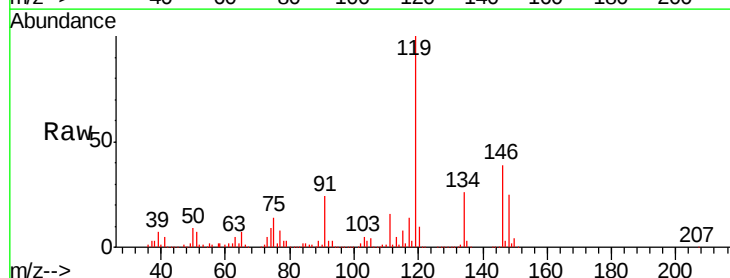
Tgt Ion:119 Resp: 992686

Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.0

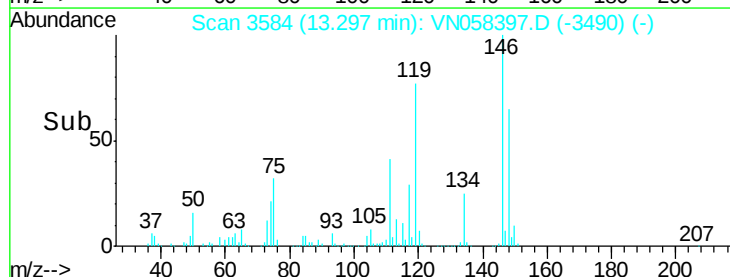
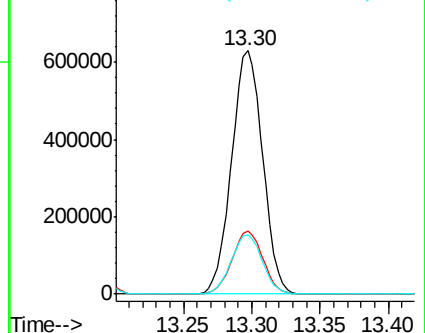
91 24.4 12.3 36.8

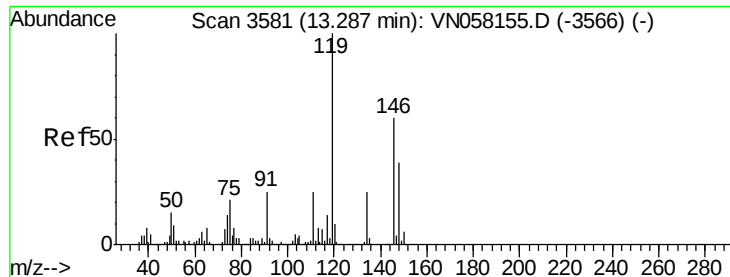


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.443 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

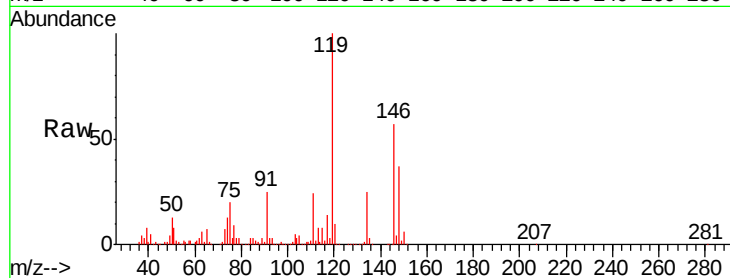
Tgt Ion:146 Resp: 505194

Ion Ratio Lower Upper

146 100

111 42.3 20.9 62.8

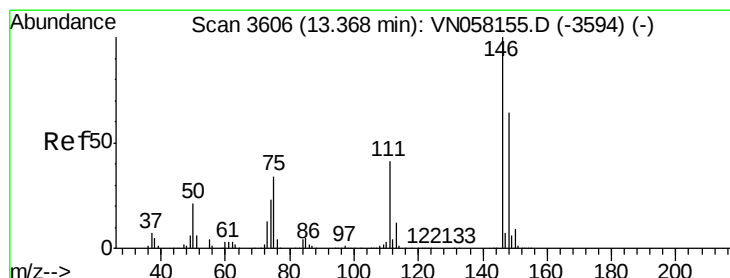
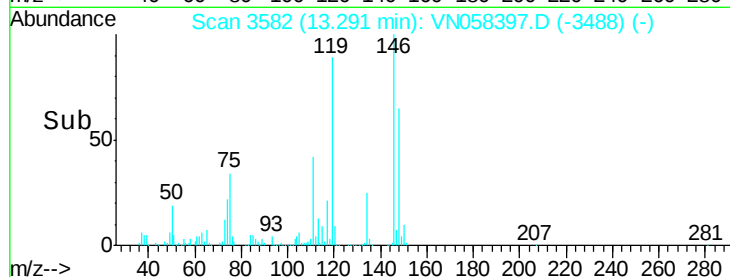
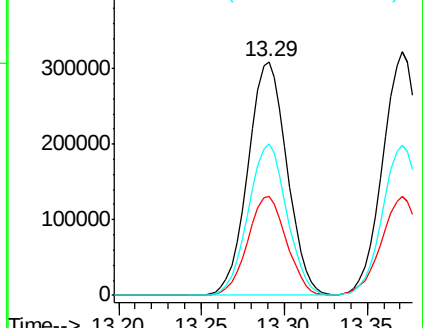
148 64.3 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 52.225 ug/l

RT: 13.37 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

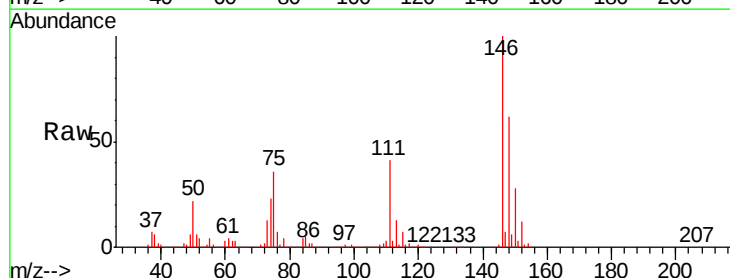
Tgt Ion:146 Resp: 513616

Ion Ratio Lower Upper

146 100

111 41.5 20.5 61.5

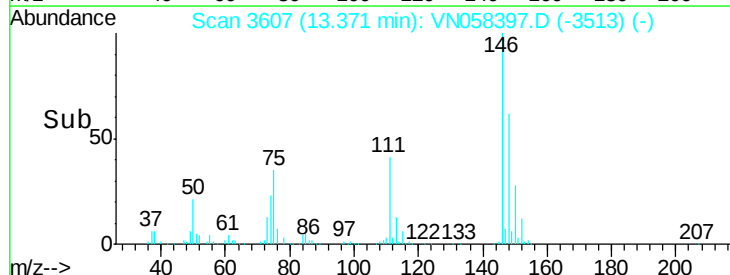
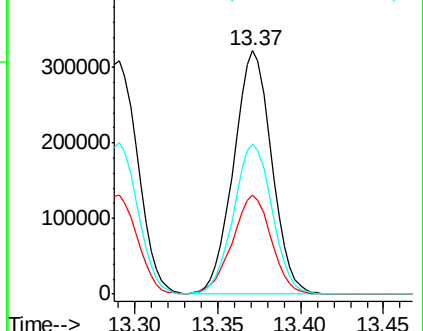
148 62.6 31.9 95.5

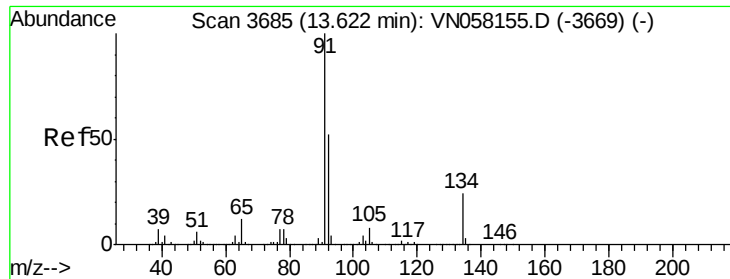


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 50.941 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058397.D

Acq: 26 Sep 2019 20:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

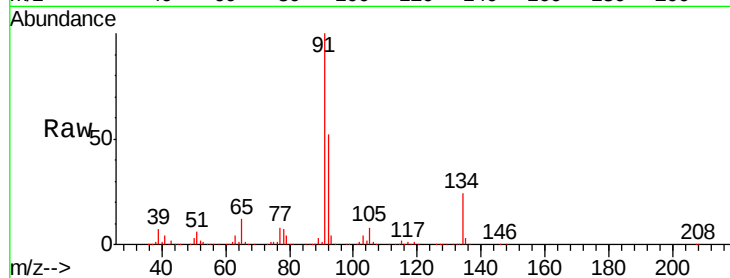
Tgt Ion: 91 Resp: 887757

Ion Ratio Lower Upper

91 100

92 51.7 25.7 77.0

134 24.3 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN058155.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN058155.D (-3669) (-)

13.62

600000

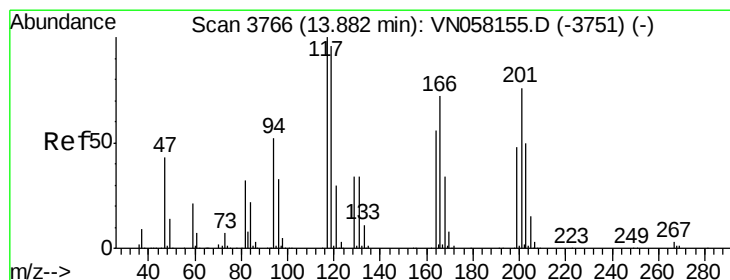
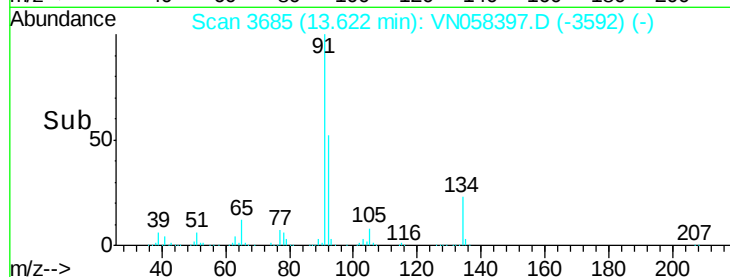
400000

200000

0

13.60 13.70

Time-->



#90

Hexachloroethane

Concen: 48.295 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058397.D

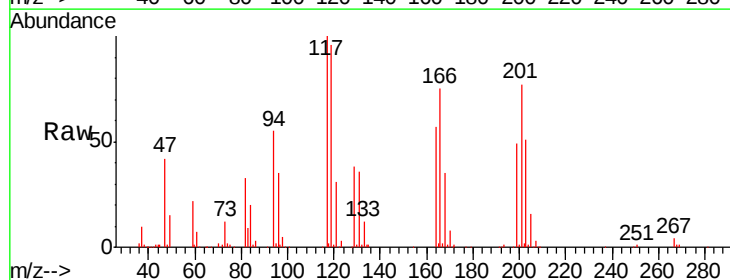
Acq: 26 Sep 2019 20:07

Tgt Ion: 117 Resp: 155342

Ion Ratio Lower Upper

117 100

201 77.2 37.5 112.5



Abundance Ion 116.80 (116.50 to 117.50): VN058155.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN058155.D (-3751) (-)

13.88

100000

80000

60000

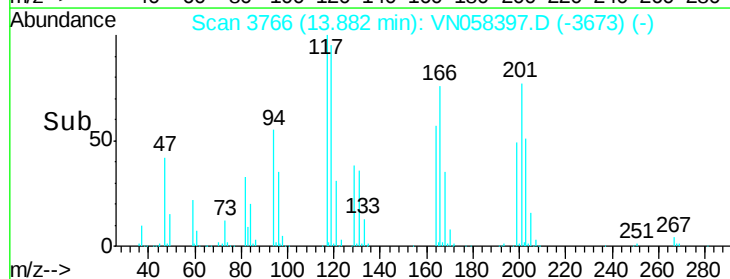
40000

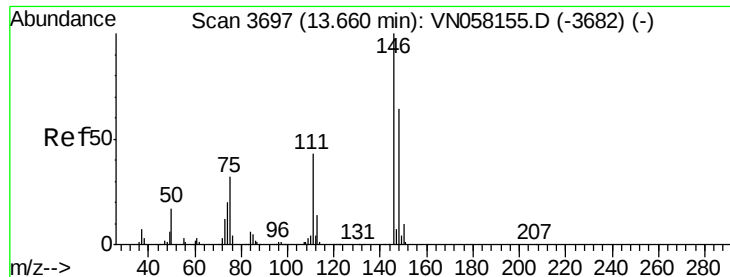
20000

0

13.80 13.85 13.90 13.95

Time-->

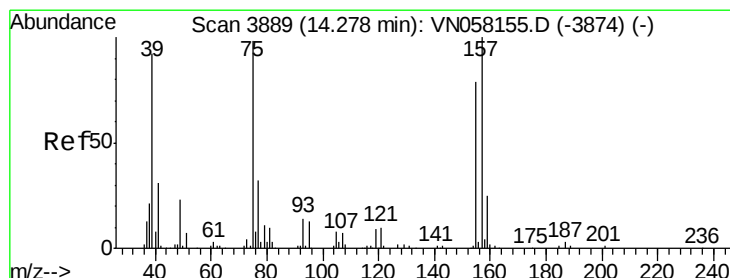
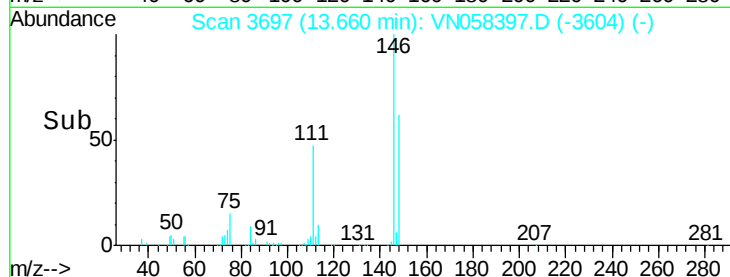
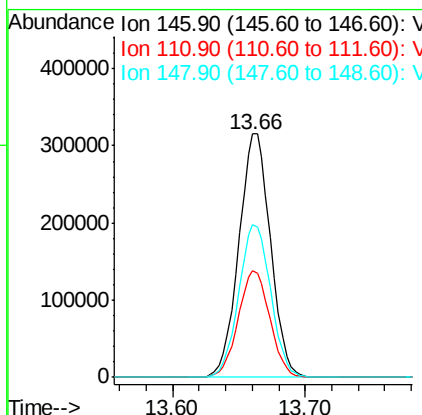
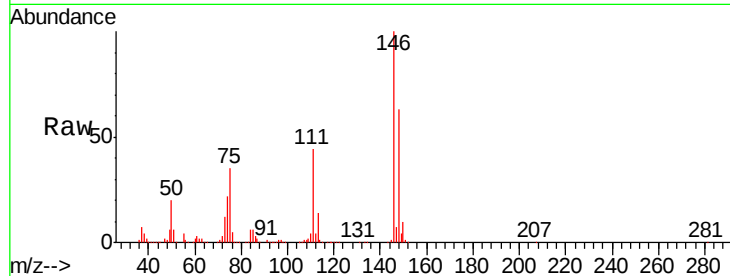




#91
 1,2-Dichlorobenzene
 Concen: 54.012 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

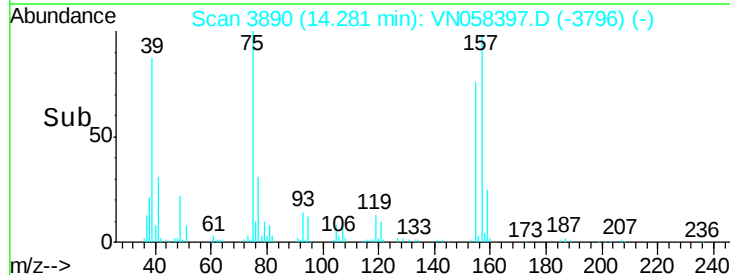
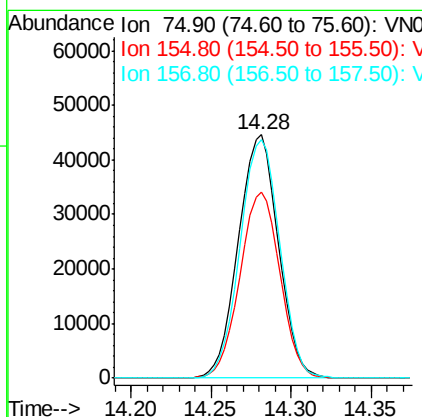
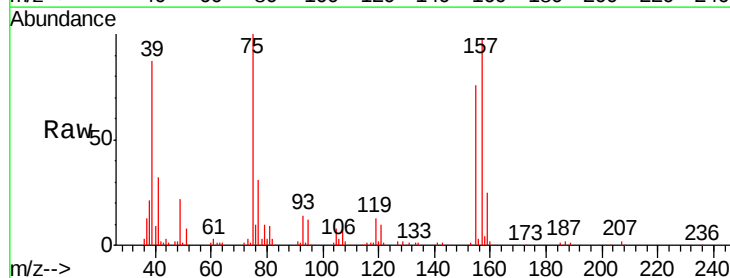
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.1	63.1
148	63.3	31.8	95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.168 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.6	38.3	114.8
157	97.3	48.0	144.0

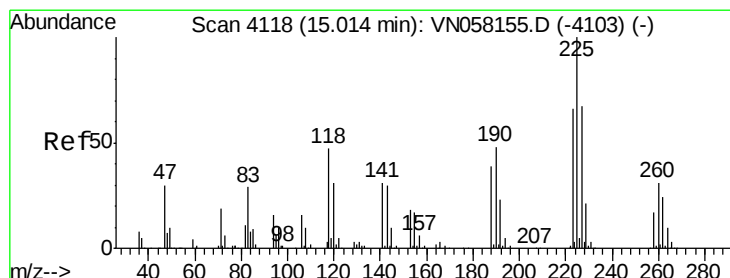
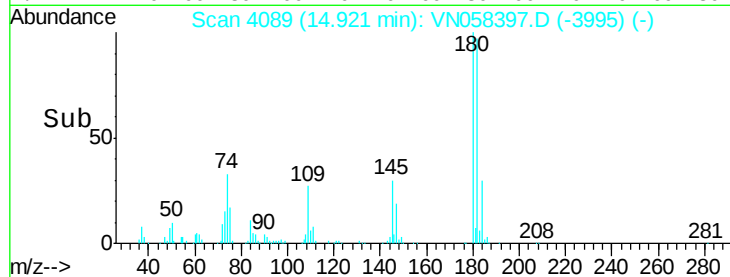
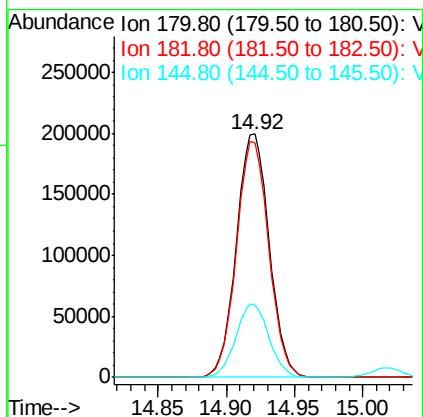
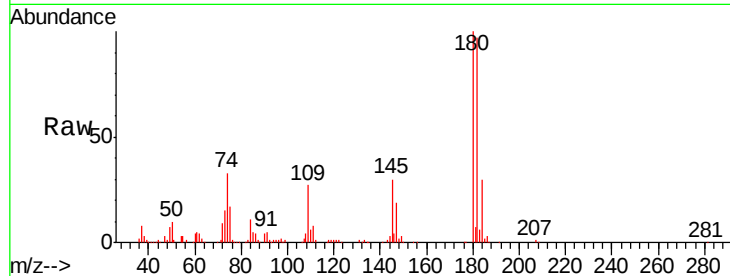




#93
 1,2,4-Trichlorobenzene
 Concen: 54.065 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

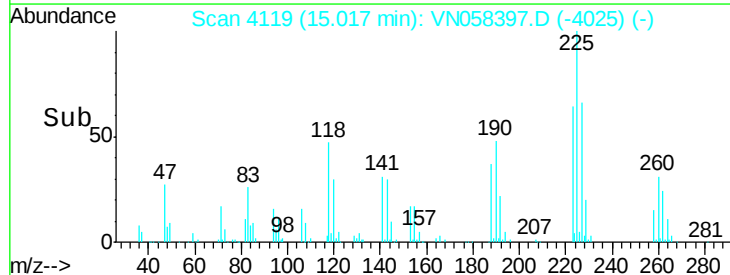
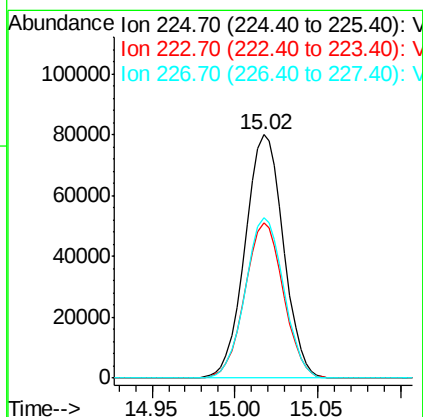
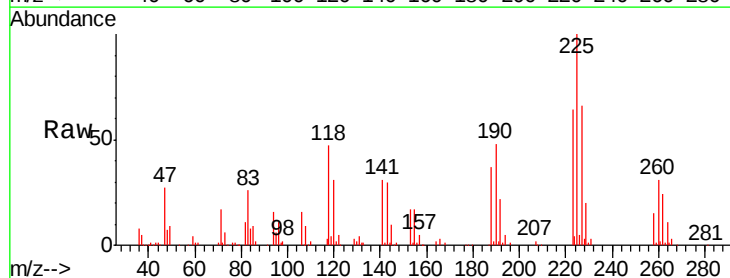
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

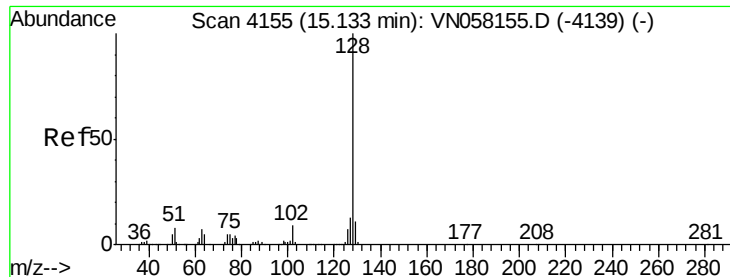
Tgt Ion:180 Resp: 333799
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.8 143.3
 145 30.3 15.4 46.4



#94
 Hexachlorobutadiene
 Concen: 43.092 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058397.D
 Acq: 26 Sep 2019 20:07

Tgt Ion:225 Resp: 128591
 Ion Ratio Lower Upper
 225 100
 223 64.2 32.6 97.7
 227 66.1 33.0 99.0

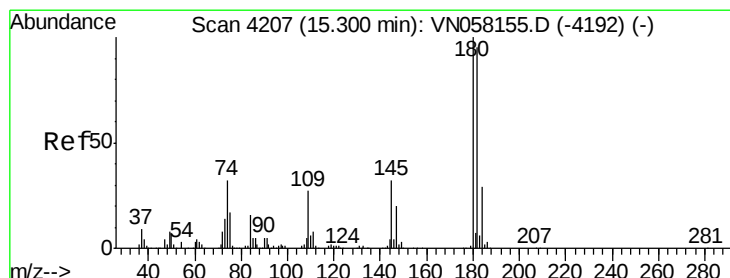
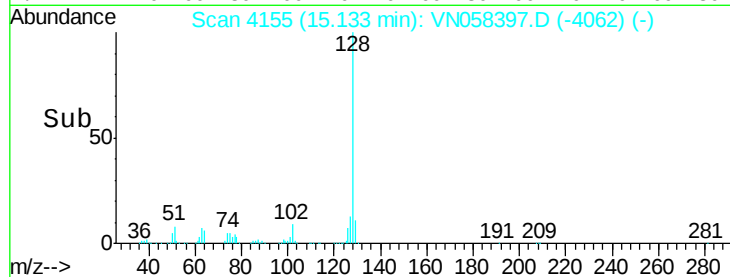
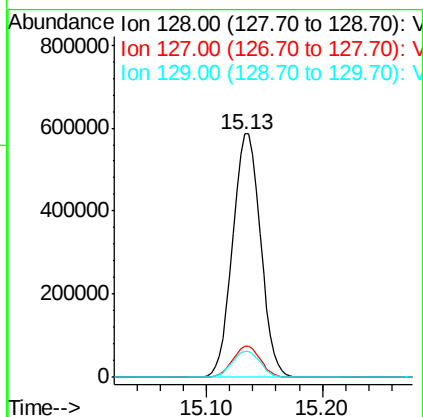
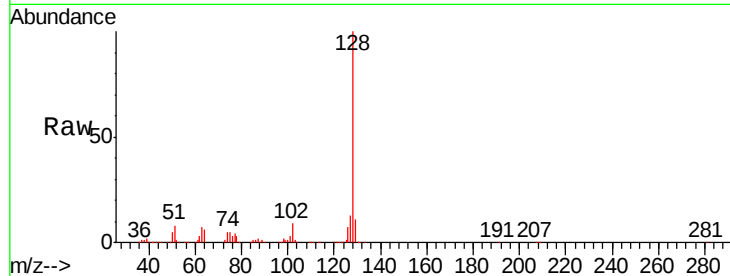




#95
Naphthalene
Concen: 61.004 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 976102
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 52.941 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058397.D
Acq: 26 Sep 2019 20:07

Tgt Ion:180 Resp: 308940
Ion Ratio Lower Upper
180 100
182 96.7 47.4 142.2
145 32.4 16.1 48.2

