

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
 Data File : VN058273.D
 Acq On : 20 Sep 2019 23:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 21 05:03:12 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	445142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	764973	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	711038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	351486	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	343892	55.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.94%	
35) Dibromofluoromethane	7.58	113	245325	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
50) Toluene-d8	10.08	98	970680	53.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.14%	
62) 4-Bromofluorobenzene	12.41	95	357837	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	162273	44.376	ug/l	98
3) Chloromethane	2.04	50	140908	49.991	ug/l	100
4) Vinyl Chloride	2.17	62	157434	51.097	ug/l	99
5) Bromomethane	2.54	94	82302	50.435	ug/l	99
6) Chloroethane	2.69	64	103581	52.552	ug/l	96
7) Trichlorofluoromethane	3.00	101	236493	47.381	ug/l	98
8) Diethyl Ether	3.39	74	108779	47.564	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.74	101	169780	47.179	ug/l	99
10) Methyl Iodide	3.93	142	148545	49.261	ug/l	99
11) Tert butyl alcohol	4.76	59	198783	269.536	ug/l	100
12) 1,1-Dichloroethene	3.72	96	138210	50.612	ug/l	94
13) Acrolein	3.59	56	67328	616.022	ug/l	93
14) Allyl chloride	4.30	41	250233	42.495	ug/l	92
15) Acrylonitrile	4.96	53	553569	281.728	ug/l	99
16) Acetone	3.79	43	470290	223.467	ug/l	100
17) Carbon Disulfide	4.03	76	172956	45.020	ug/l	99
18) Methyl Acetate	4.30	43	304014	54.899	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	714908	52.671	ug/l	98
20) Methylene Chloride	4.53	84	197389	53.588	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	149420	50.212	ug/l	99
22) Diisopropyl ether	5.93	45	788406	52.707	ug/l	96
23) Vinyl Acetate	5.87	43	2841497	277.619	ug/l	100
24) 1,1-Dichloroethane	5.83	63	405232	50.759	ug/l	100
25) 2-Butanone	6.81	43	765038	266.829	ug/l	99
26) 2,2-Dichloropropane	6.81	77	263817	38.952	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	227000	50.287	ug/l	99
28) Bromochloromethane	7.18	49	209328	55.426	ug/l	99
29) Tetrahydrofuran	7.19	42	481304	272.526	ug/l	99
30) Chloroform	7.36	83	439828	51.181	ug/l	99
31) Cyclohexane	7.64	56	257137	49.819	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	337252	51.552	ug/l	98
36) 1,1-Dichloropropene	7.78	75	252535	45.777	ug/l	99
37) Ethyl Acetate	6.91	43	301792	52.715	ug/l	100
38) Carbon Tetrachloride	7.76	117	268909	48.492	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	254219	47.665	ug/l	100
40) Benzene	8.03	78	821722	48.768	ug/l	99
41) Methacrylonitrile	7.19	41	465701	159.440	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	348829	49.338	ug/l	100
43) Isopropyl Acetate	8.15	43	539551	50.463	ug/l	100
44) Trichloroethene	8.83	130	220366	53.444	ug/l	97
45) 1,2-Dichloropropane	9.11	63	258038	51.280	ug/l	98
46) Dibromomethane	9.20	93	155905	50.961	ug/l	98
47) Bromodichloromethane	9.40	83	337720	52.693	ug/l	97
48) Methyl methacrylate	9.19	41	261505	53.867	ug/l	100
49) 1,4-Dioxane	9.19	88	87302	1095.324	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1739194	306.242	ug/l	99
52) Toluene	10.15	92	527295	49.934	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	335857	51.157	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	365854	50.473	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	252334	53.846	ug/l	99
56) Ethyl methacrylate	10.43	69	370342	54.773	ug/l	99
57) 1,3-Dichloropropane	10.71	76	422260	52.415	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	934799	290.255	ug/l	100
59) 2-Hexanone	10.75	43	1248905	296.100	ug/l	98
60) Dibromochloromethane	10.90	129	251001	55.675	ug/l	99
61) 1,2-Dibromoethane	11.00	107	227884	52.473	ug/l	99
64) Tetrachloroethene	10.63	164	164855	47.562	ug/l	98
65) Chlorobenzene	11.44	112	621790	49.717	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	237869	52.452	ug/l	99
67) Ethyl Benzene	11.51	91	1107193	51.666	ug/l	99
68) m/p-Xylenes	11.62	106	805075	99.747	ug/l	96
69) o-Xylene	11.95	106	410538	51.729	ug/l	99
70) Styrene	11.97	104	731215	53.474	ug/l	100
71) Bromoform	12.13	173	158133	47.246	ug/l #	99
73) Isopropylbenzene	12.25	105	1159854	52.719	ug/l	100
74) N-amyl acetate	12.07	43	516302	56.096	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	404911	54.959	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	468353	74.454	ug/l #	100
77) Bromobenzene	12.53	156	271955	49.141	ug/l	98
78) n-propylbenzene	12.60	91	1360262	54.409	ug/l	99
79) 2-Chlorotoluene	12.68	91	818180	52.365	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1003950	53.963	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	92457	44.468	ug/l	97
82) 4-Chlorotoluene	12.78	91	852117	51.882	ug/l	99
83) tert-Butylbenzene	13.00	119	890733	53.688	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	1018253	54.998	ug/l	99
85) sec-Butylbenzene	13.18	105	1193324	55.004	ug/l	99
86) p-Isopropyltoluene	13.30	119	1058710	54.891	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	521814	51.624	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	525003	50.875	ug/l	100
89) n-Butylbenzene	13.62	91	974490	53.291	ug/l	100
90) Hexachloroethane	13.88	117	169067	49.988	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	527237	51.999	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	72707	54.816	ug/l	98

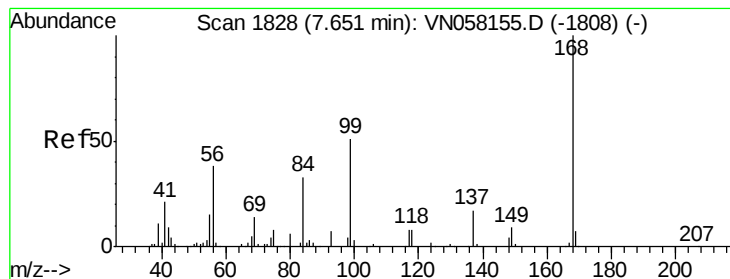
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	316402	48.840	ug/l	99
94) Hexachlorobutadiene	15.02	225	155970	49.812	ug/l	96
95) Naphthalene	15.13	128	863741	51.447	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	300404	49.060	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

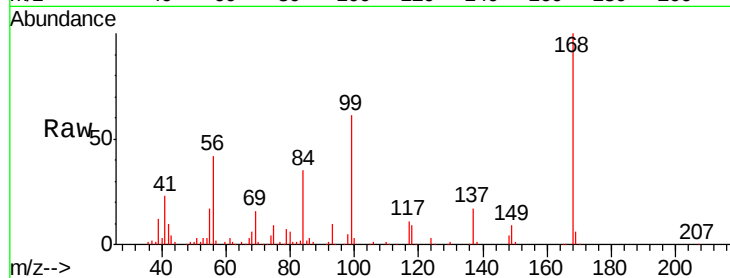
VSTDCCC050EC

Tgt Ion:168 Resp: 445142

Ion Ratio Lower Upper

168 100

99 60.7 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

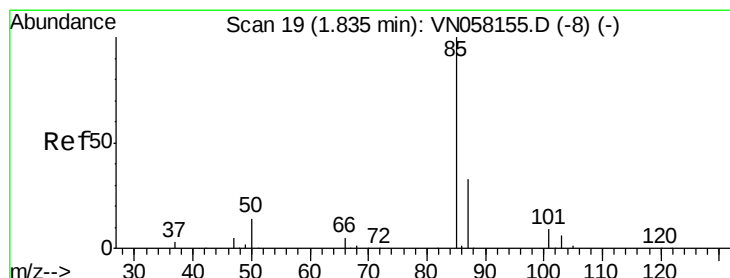
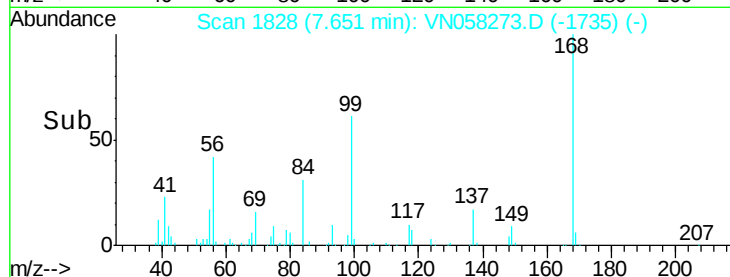
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 44.376 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058273.D

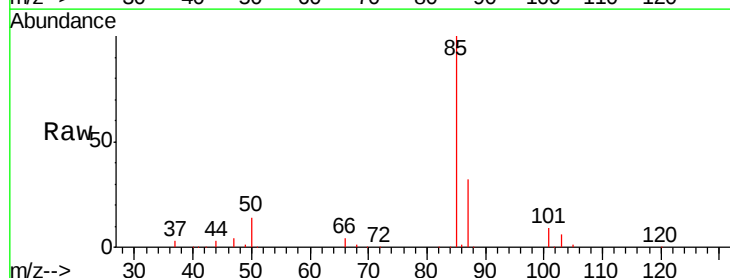
Acq: 20 Sep 2019 23:42

Tgt Ion: 85 Resp: 162273

Ion Ratio Lower Upper

85 100

87 31.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

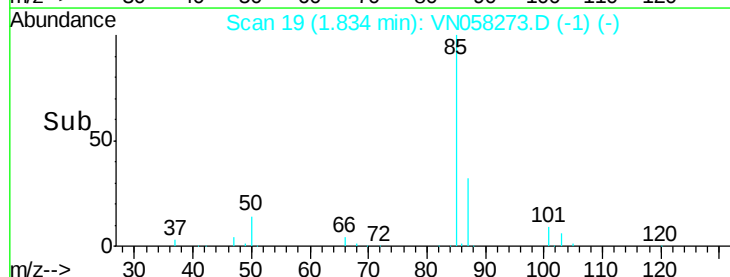
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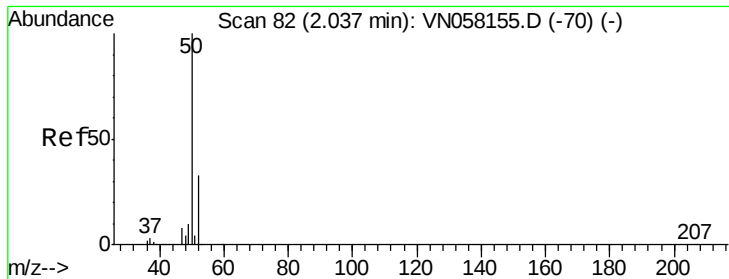
50000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 49.991 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

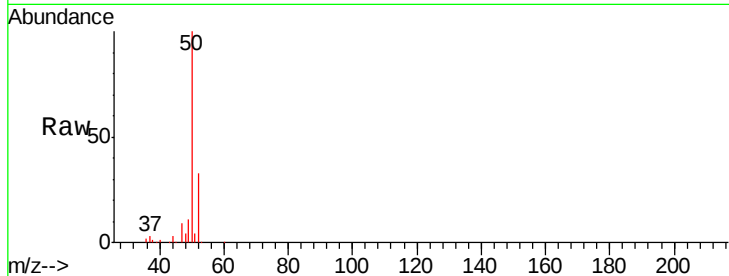
VSTDCCC050EC

Tgt Ion: 50 Resp: 140908

Ion Ratio Lower Upper

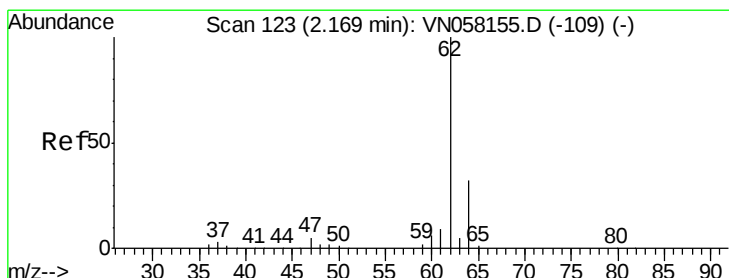
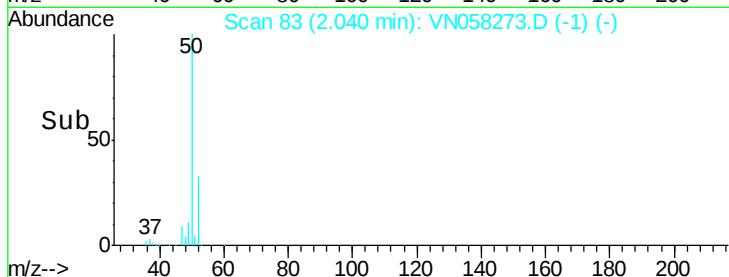
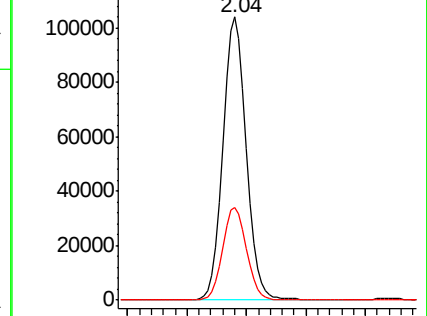
50 100

52 32.9 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 51.097 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058273.D

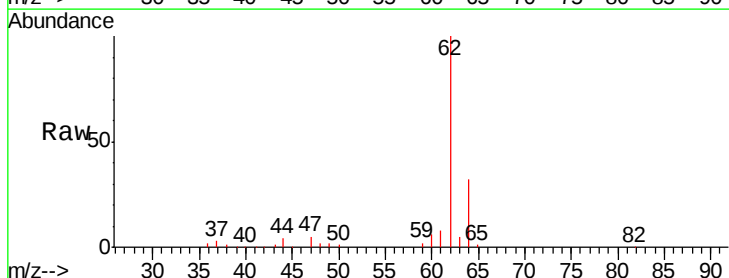
Acq: 20 Sep 2019 23:42

Tgt Ion: 62 Resp: 157434

Ion Ratio Lower Upper

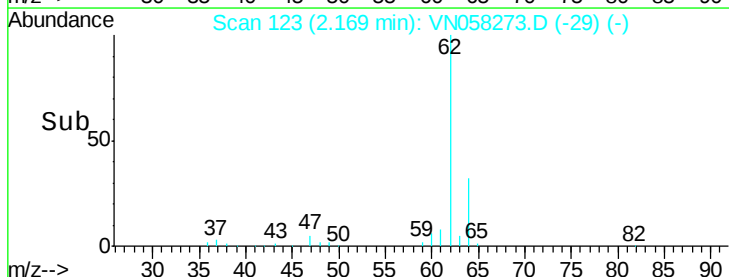
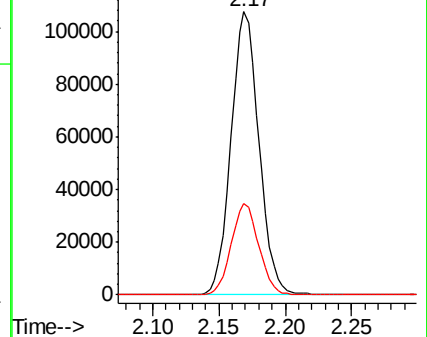
62 100

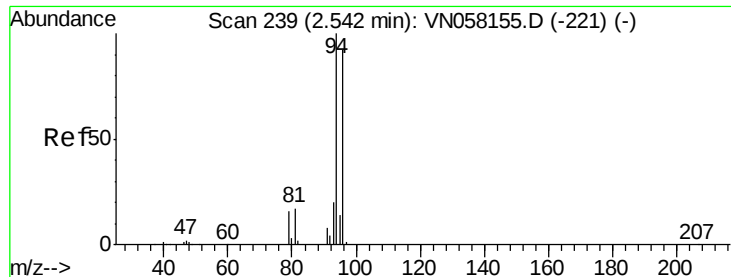
64 32.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 50.435 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

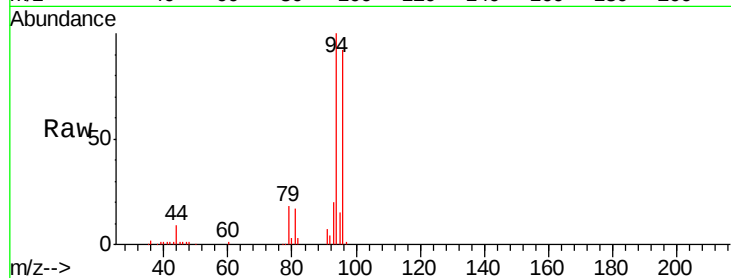
VSTDCCC050EC

Tgt Ion: 94 Resp: 82302

Ion Ratio Lower Upper

94 100

96 92.2 73.3 109.9

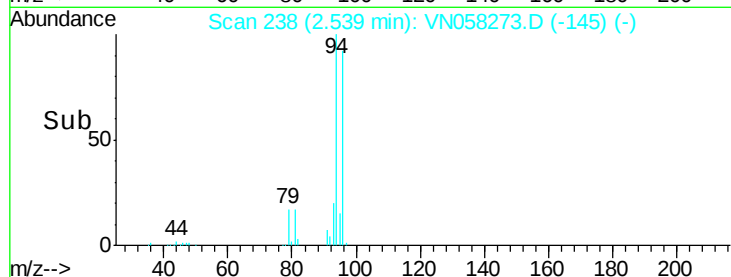


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

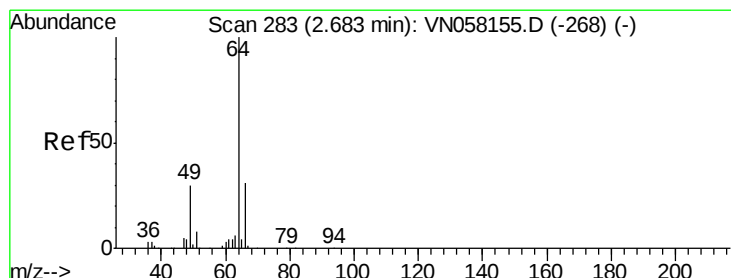
2.54

Time-->



2.54

Time-->



#6

Chloroethane

Concen: 52.552 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058273.D

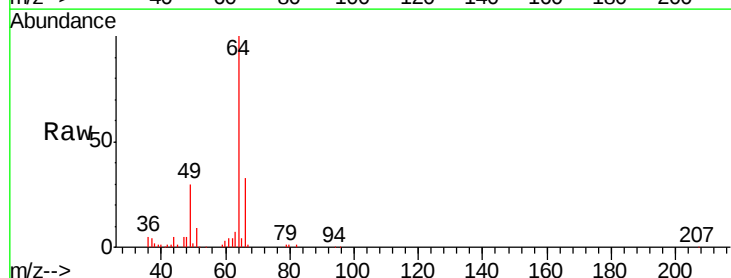
Acq: 20 Sep 2019 23:42

Tgt Ion: 64 Resp: 103581

Ion Ratio Lower Upper

64 100

66 32.7 24.6 37.0

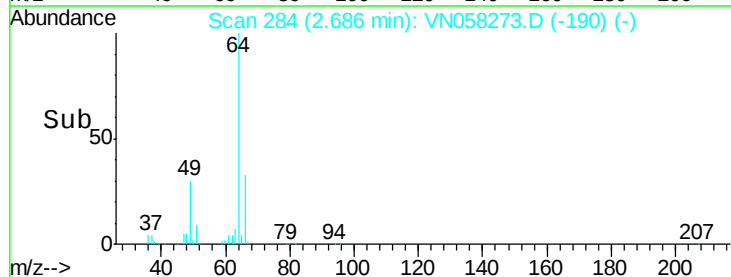


Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

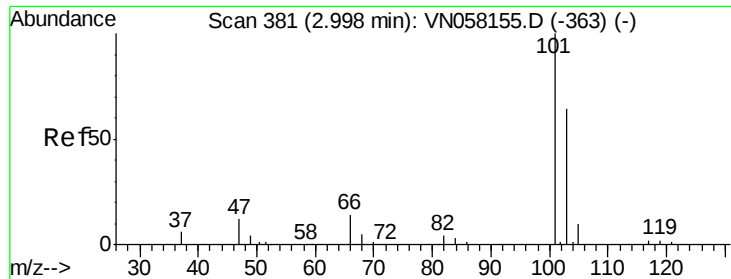
2.69

Time-->



2.69

Time-->

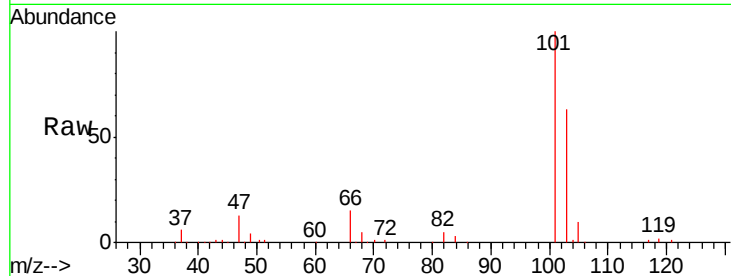


#7

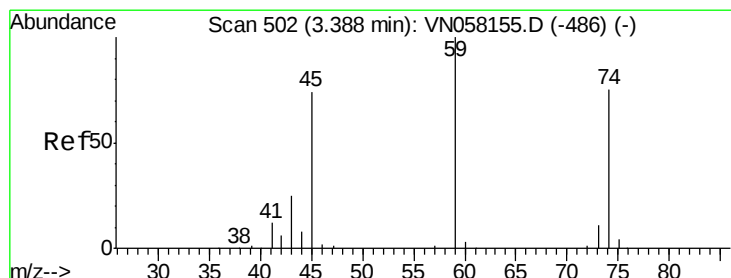
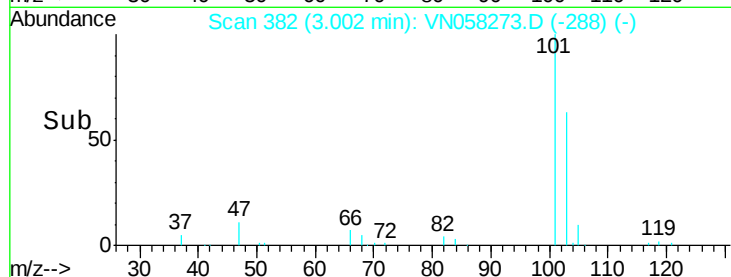
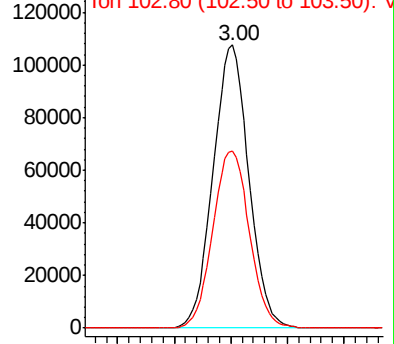
Trichlorofluoromethane
Concen: 47.381 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tgt Ion: 101 Resp: 236493
Ion Ratio Lower Upper
101 100
103 62.6 51.0 76.6



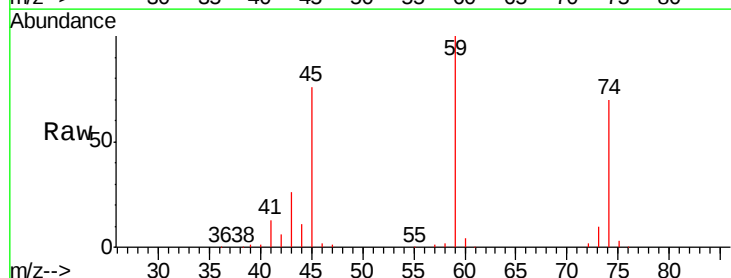
Abundance Ion 100.90 (100.60 to 101.60): V



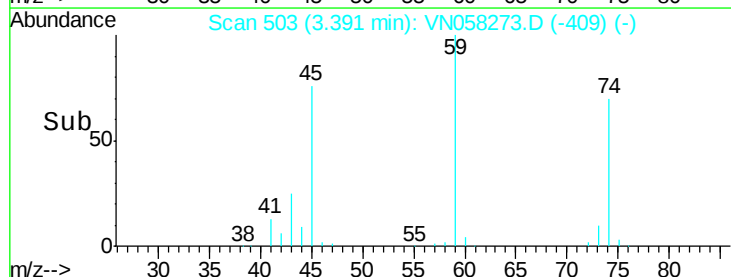
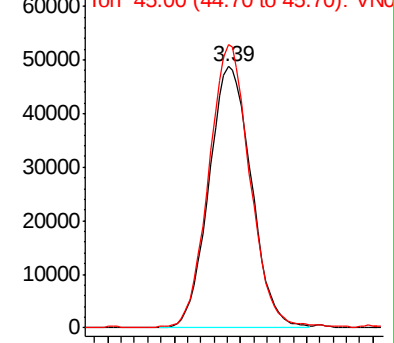
#8

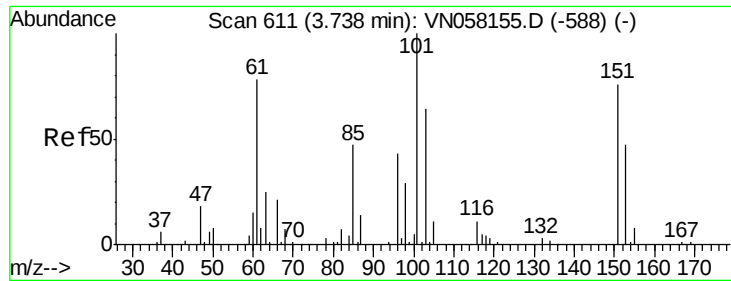
Diethyl Ether
Concen: 47.564 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion: 74 Resp: 108779
Ion Ratio Lower Upper
74 100
45 105.6 48.5 145.5



Abundance Ion 74.00 (73.70 to 74.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.179 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

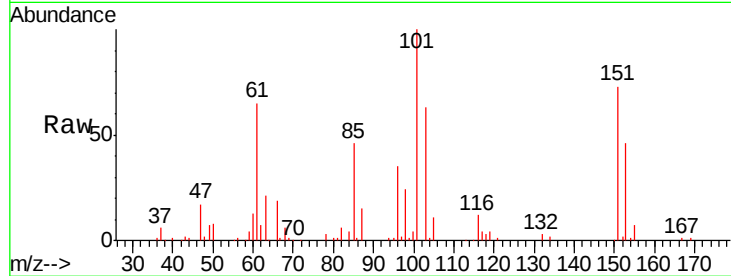
Tgt Ion:101 Resp: 169780

Ion Ratio Lower Upper

101 100

85 47.1 37.3 55.9

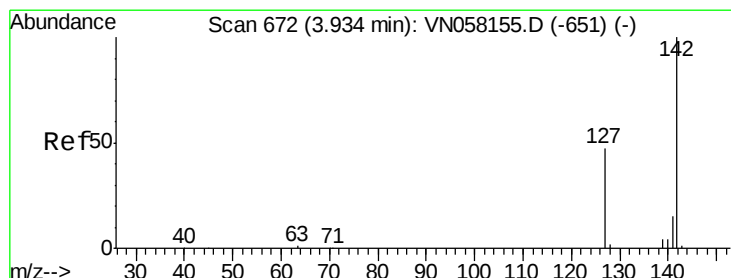
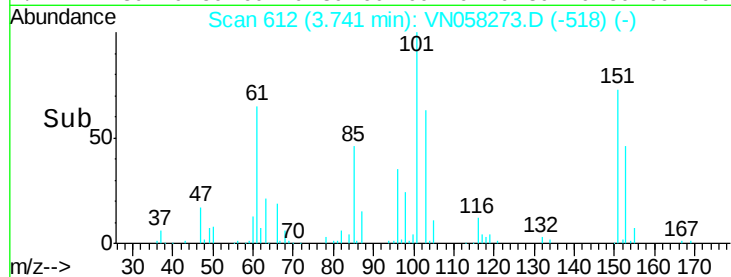
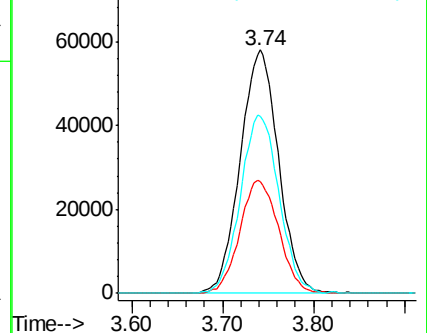
151 73.8 59.6 89.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.261 ug/l

RT: 3.93 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

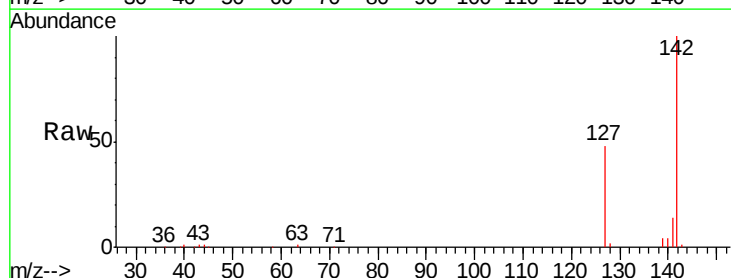
Tgt Ion:142 Resp: 148545

Ion Ratio Lower Upper

142 100

127 47.9 37.5 56.3

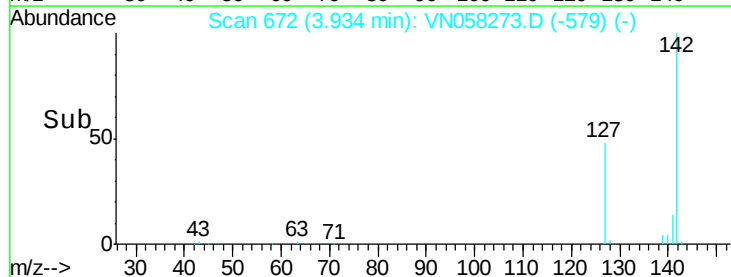
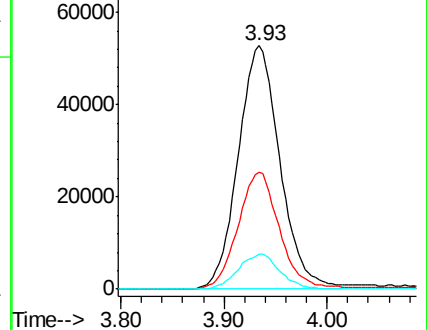
141 14.3 11.4 17.2

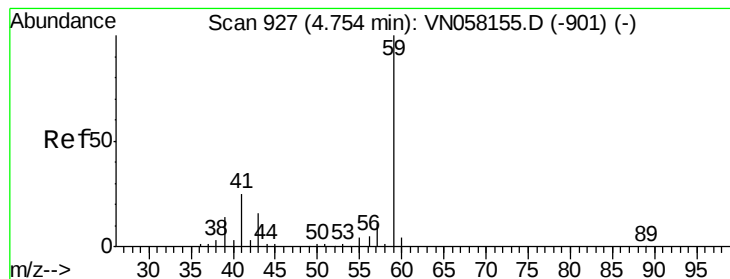


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



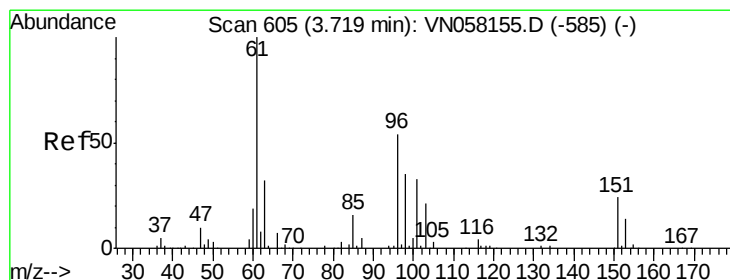
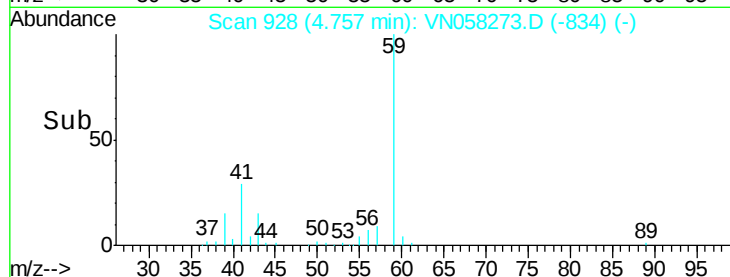
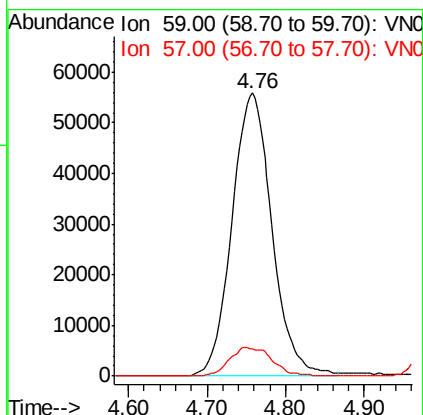
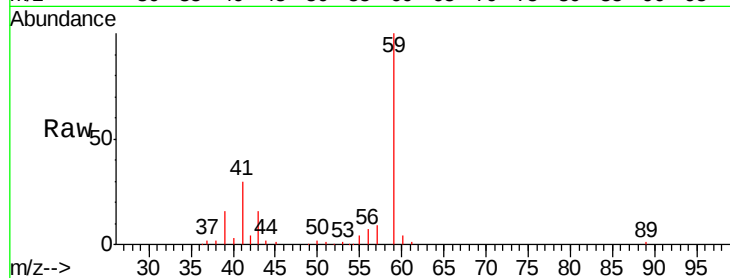


#11

Tert butyl alcohol
 Concen: 269.536 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

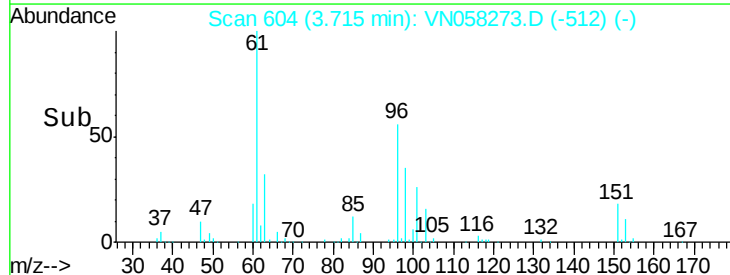
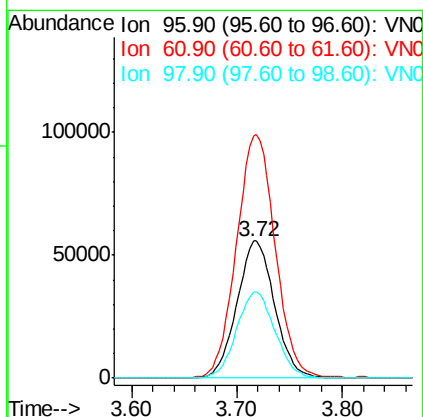
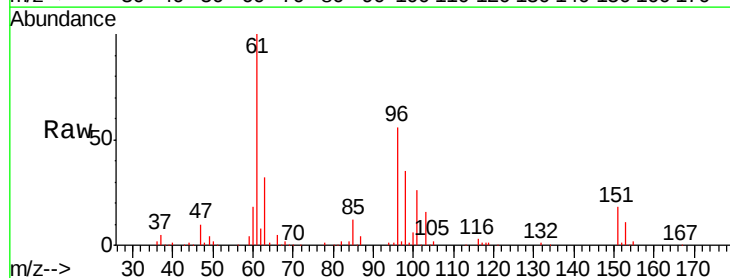
Tgt Ion: 59 Resp: 198783
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.6 13.0



#12

1,1-Dichloroethene
 Concen: 50.612 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

Tgt Ion: 96 Resp: 138210
 Ion Ratio Lower Upper
 96 100
 61 177.2 149.5 224.3
 98 62.6 52.4 78.6





#13

Acrolein

Concen: 616.022 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

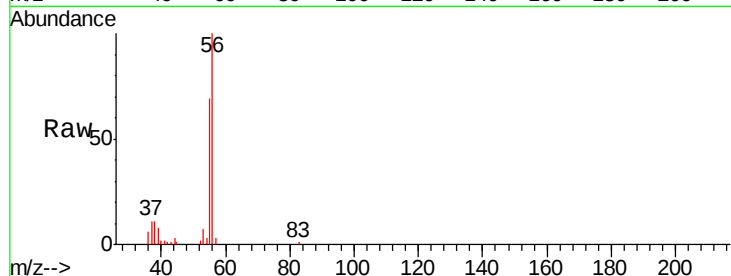
VSTDCCC050EC

Tgt Ion: 56 Resp: 67328

Ion Ratio Lower Upper

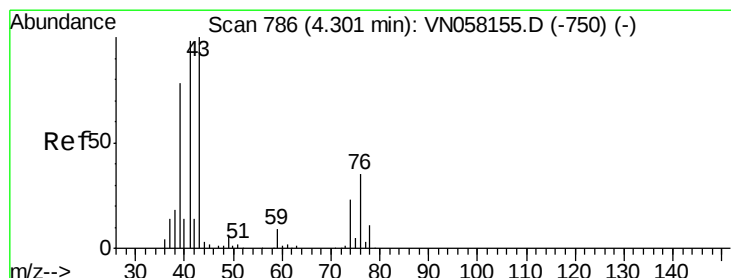
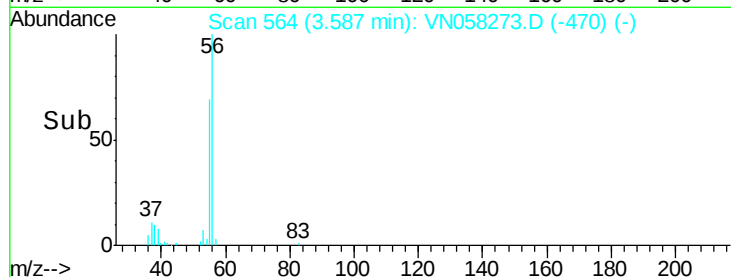
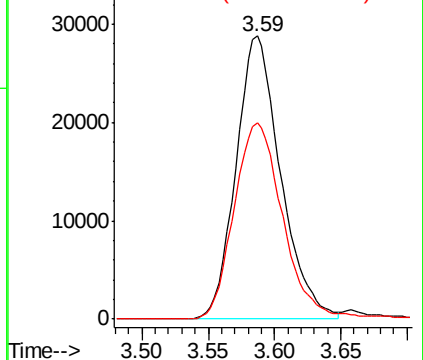
56 100

55 75.9 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 42.495 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

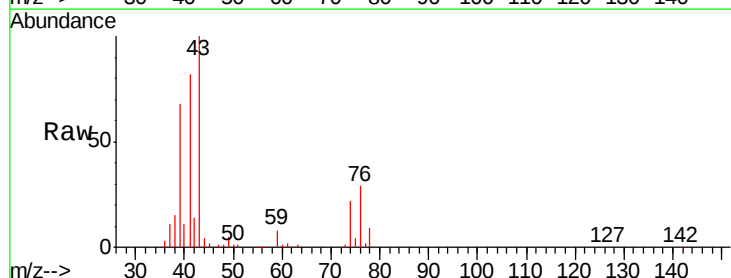
Tgt Ion: 41 Resp: 250233

Ion Ratio Lower Upper

41 100

39 80.9 59.1 88.7

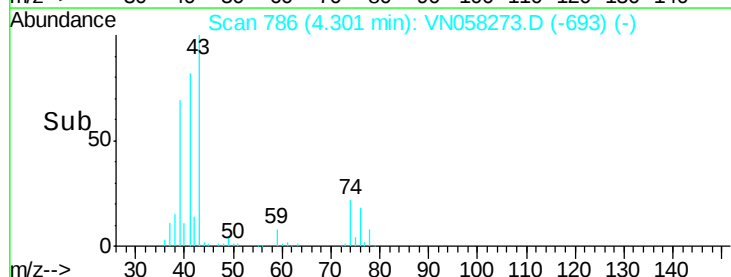
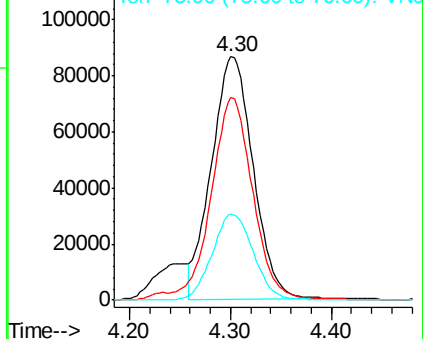
76 34.9 25.1 37.7

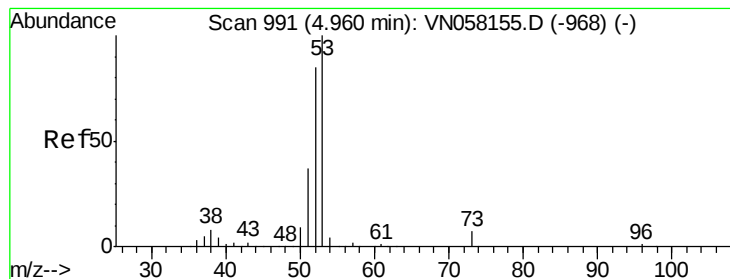


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 281.728 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

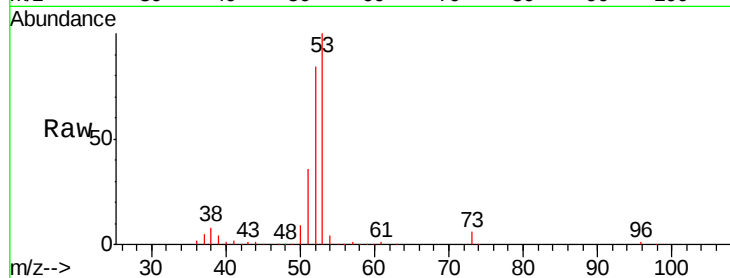
Tgt Ion: 53 Resp: 553569

Ion Ratio Lower Upper

53 100

52 84.1 66.6 100.0

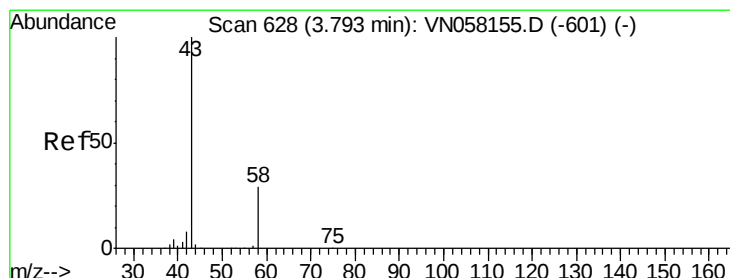
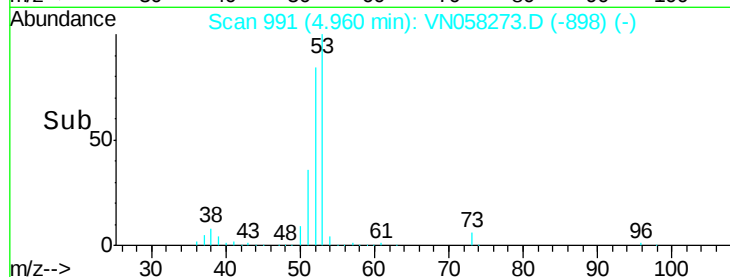
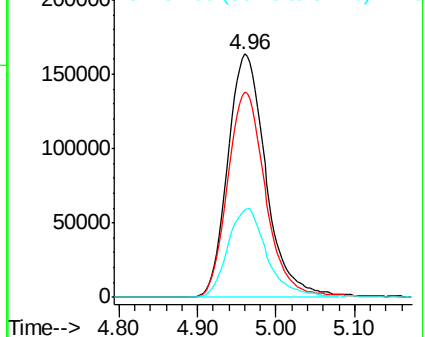
51 37.4 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 223.467 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058273.D

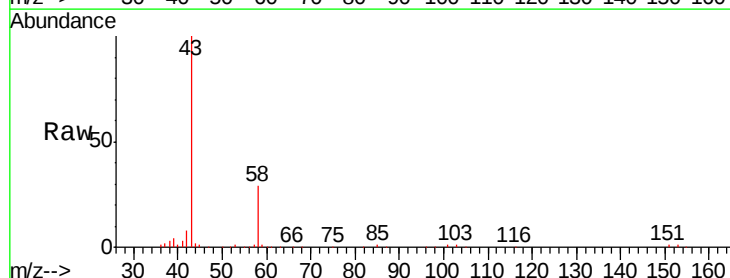
Acq: 20 Sep 2019 23:42

Tgt Ion: 43 Resp: 470290

Ion Ratio Lower Upper

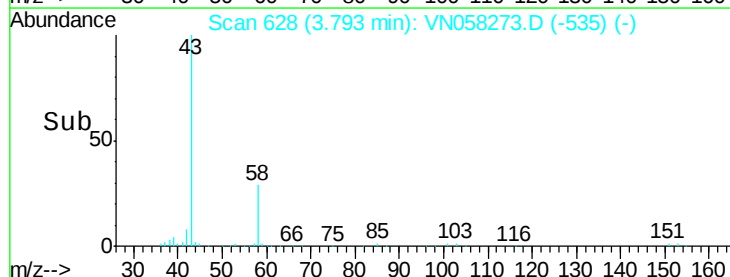
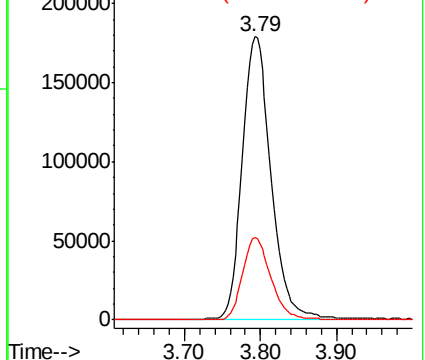
43 100

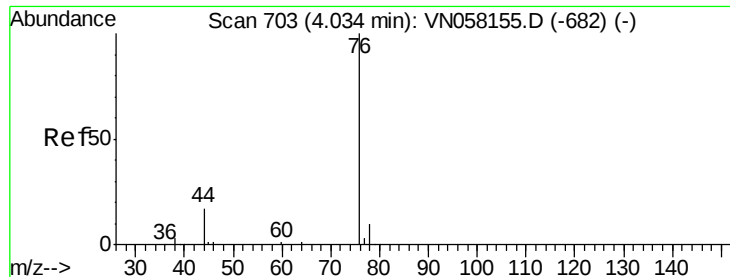
58 29.2 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

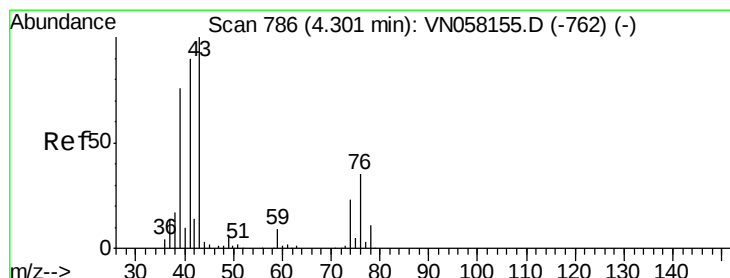
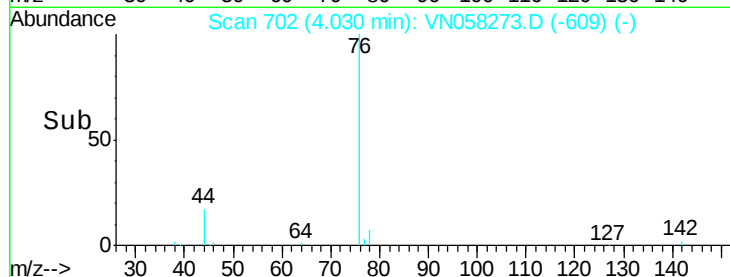
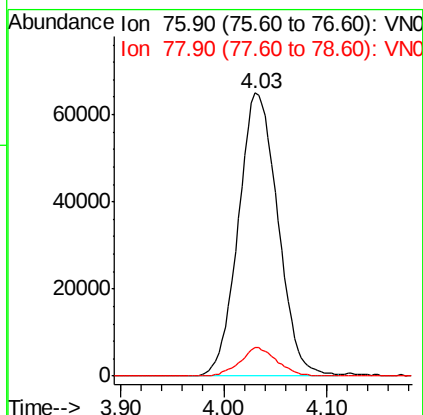
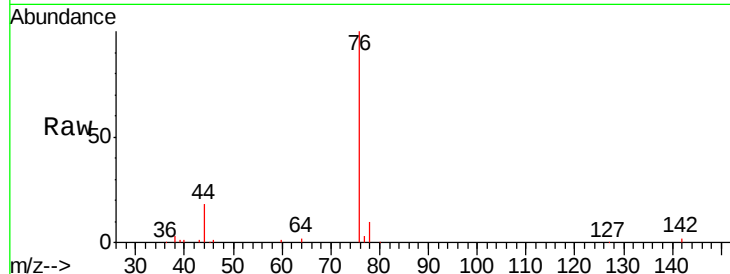




#17
Carbon Disulfide
Concen: 45.020 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

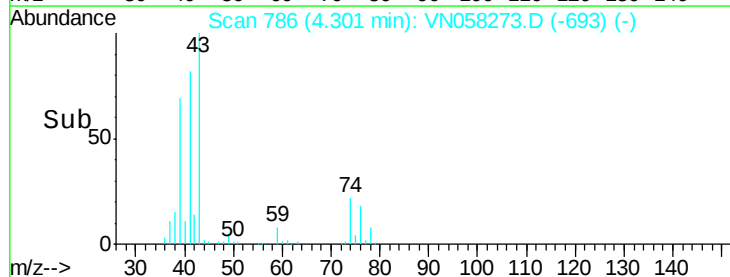
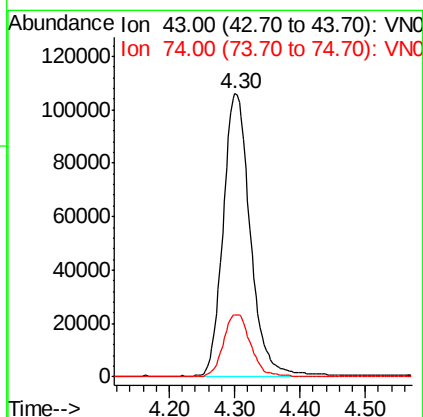
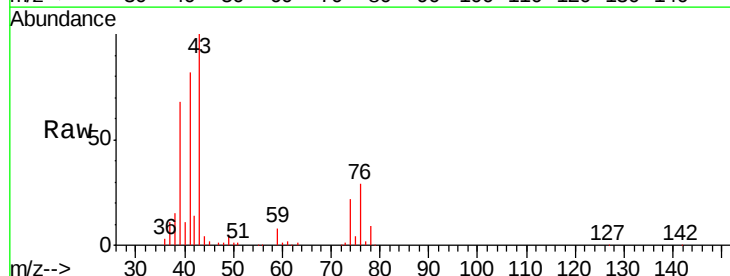
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 172956
Ion Ratio Lower Upper
76 100
78 10.1 7.7 11.5



#18
Methyl Acetate
Concen: 54.899 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion: 43 Resp: 304014
Ion Ratio Lower Upper
43 100
74 22.4 18.0 27.0

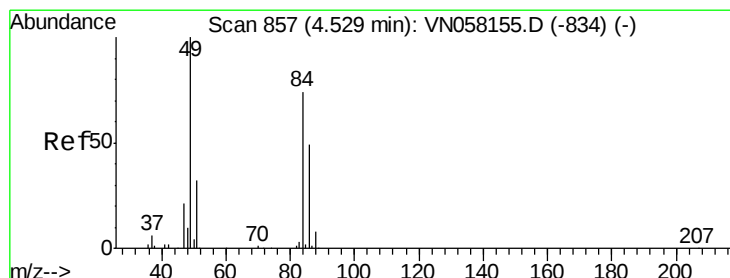
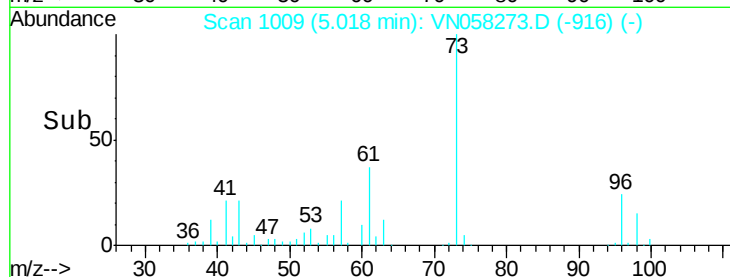
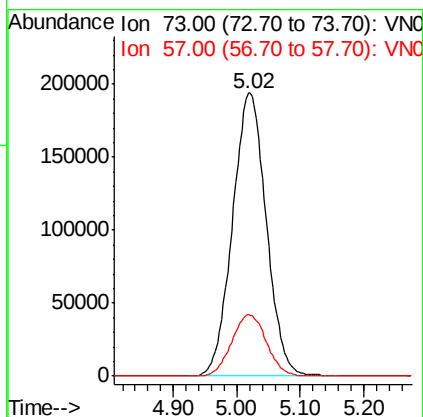
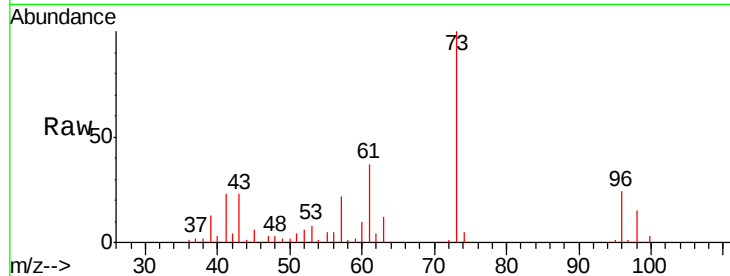




#19
Methyl tert-butyl Ether
Concen: 52.671 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

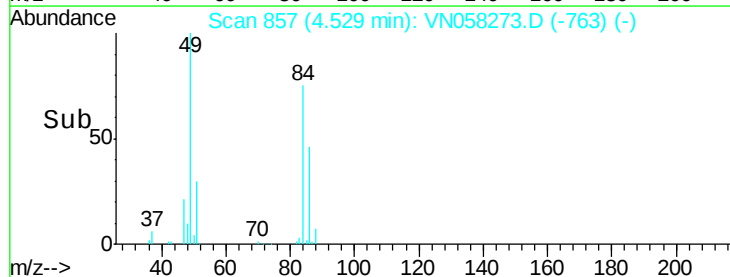
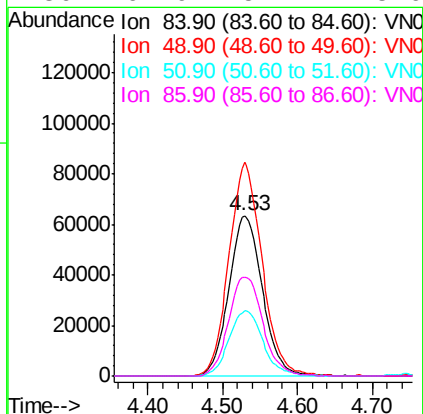
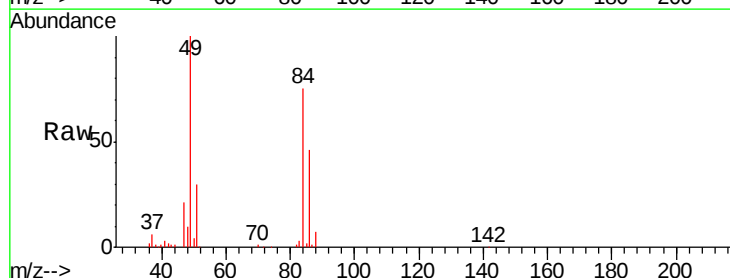
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

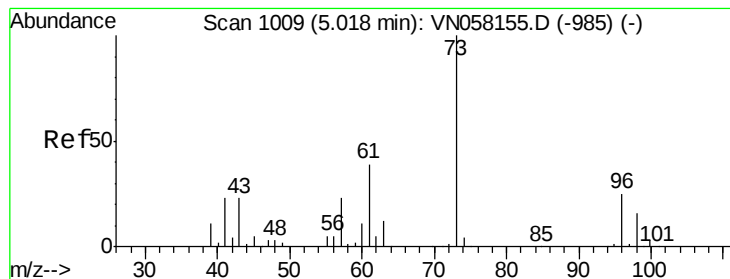
Tgt Ion: 73 Resp: 714908
Ion Ratio Lower Upper
73 100
57 21.8 18.1 27.1



#20
Methylene Chloride
Concen: 53.588 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion: 84 Resp: 197389
Ion Ratio Lower Upper
84 100
49 133.4 107.5 161.3
51 40.5 33.9 50.9
86 61.9 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 50.212 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

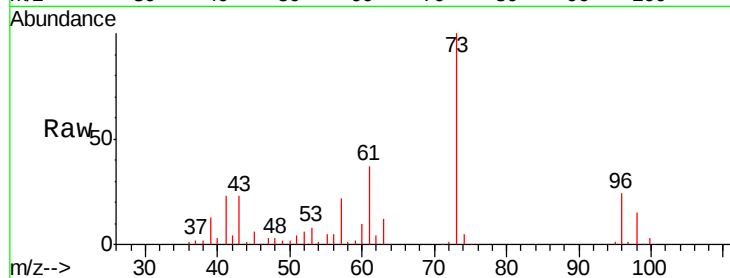
Tgt Ion: 96 Resp: 149420

Ion Ratio Lower Upper

96 100

61 151.4 122.2 183.4

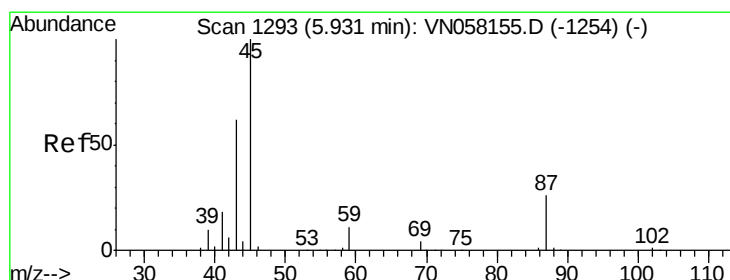
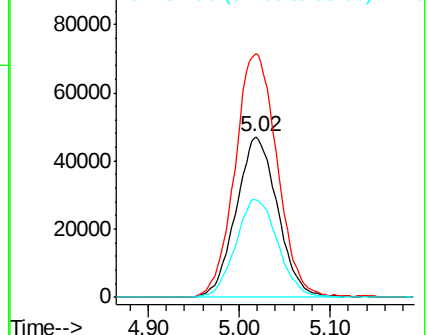
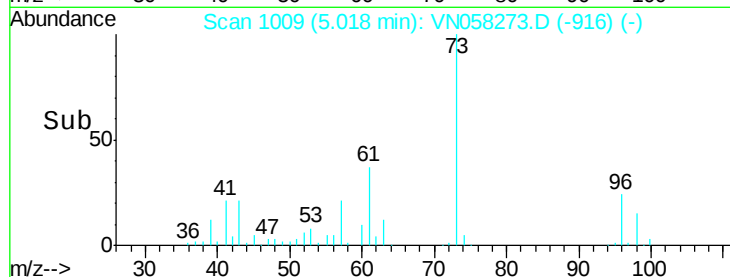
98 60.9 49.9 74.9



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 52.707 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Tgt Ion: 45 Resp: 788406

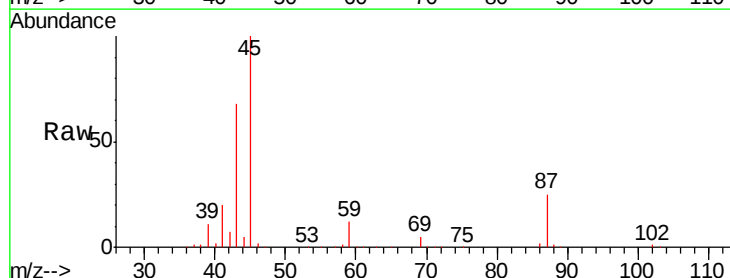
Ion Ratio Lower Upper

45 100

43 67.0 49.7 74.5

87 25.3 20.7 31.1

59 11.3 9.1 13.7

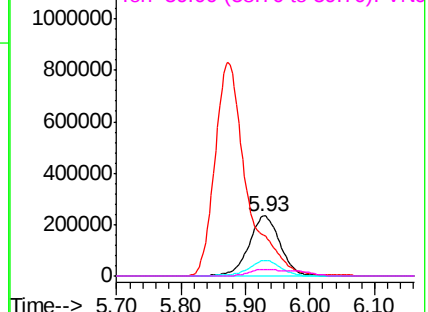
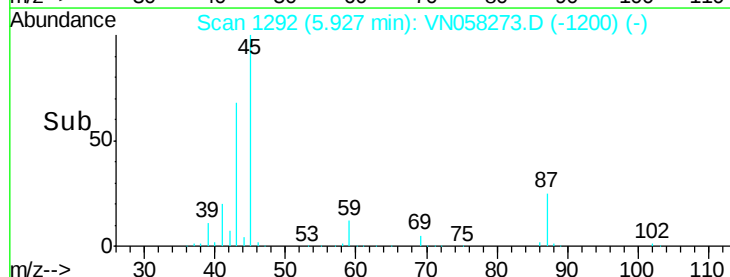


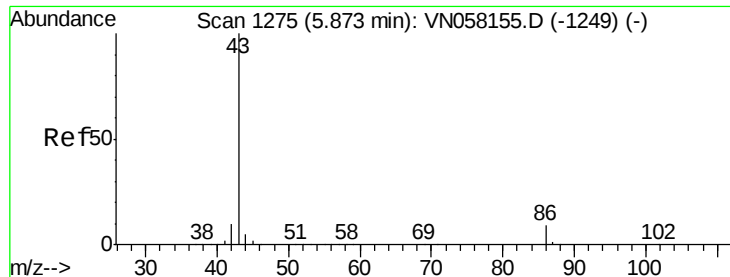
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 277.619 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

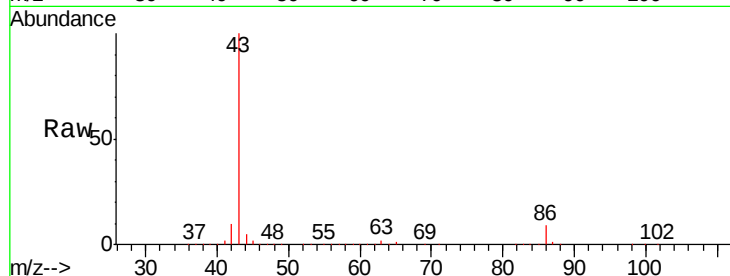
VSTDCCC050EC

Tgt Ion: 43 Resp: 2841497

Ion Ratio Lower Upper

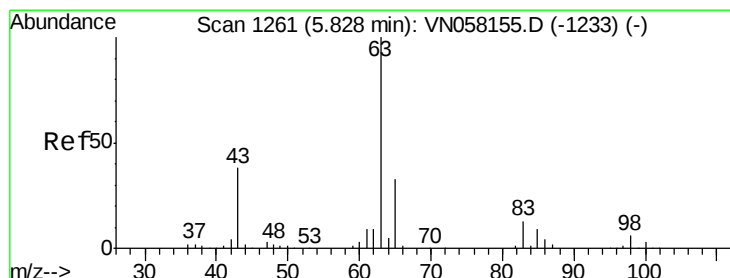
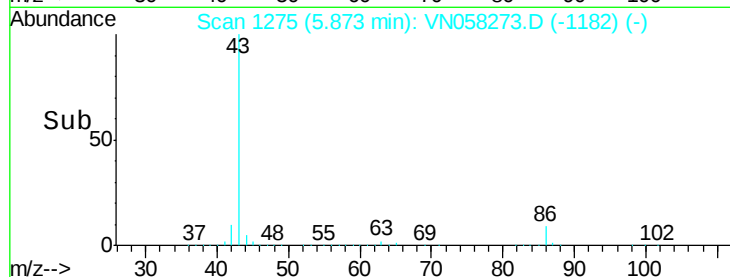
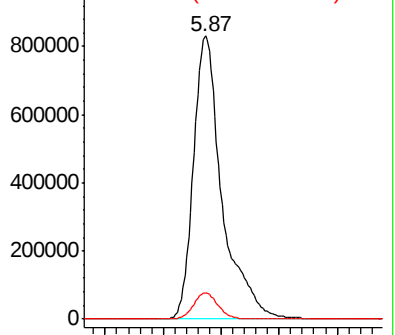
43 100

86 9.4 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.759 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

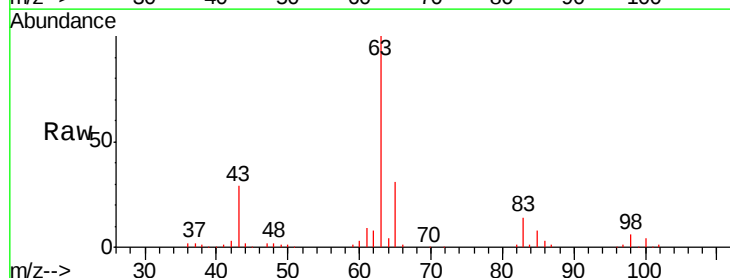
Tgt Ion: 63 Resp: 405232

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.6

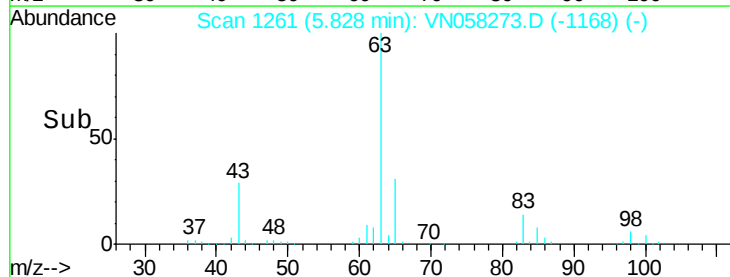
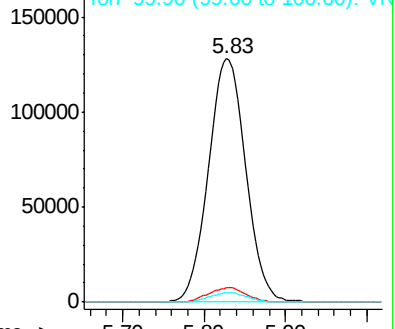
100 3.7 1.8 5.3

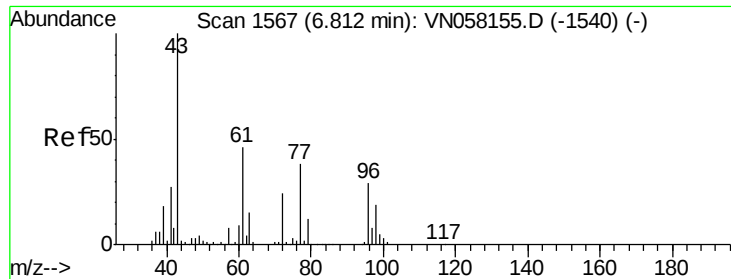


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 266.829 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

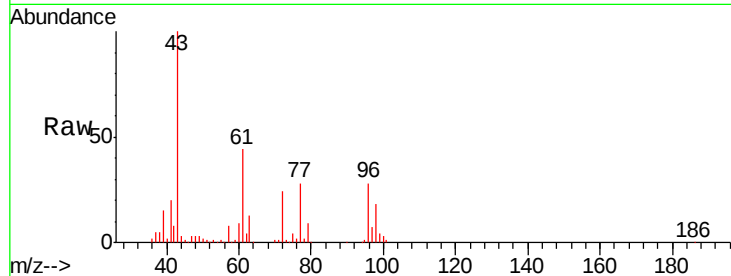
VSTDCCC050EC

Tgt Ion: 43 Resp: 765038

Ion Ratio Lower Upper

43 100

72 24.1 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

250000

200000

150000

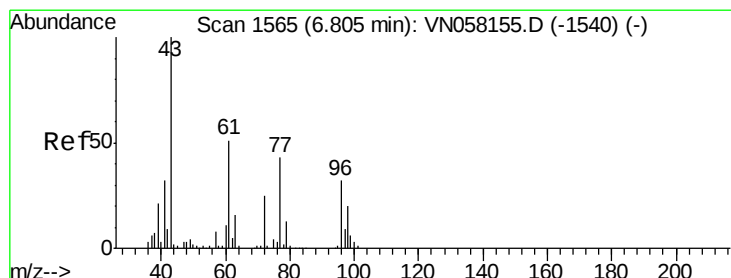
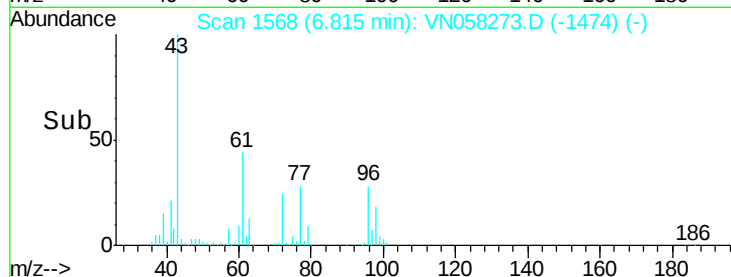
100000

50000

0

Time-->

6.70 6.80 6.90



#26

2,2-Dichloropropane

Concen: 38.952 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058273.D

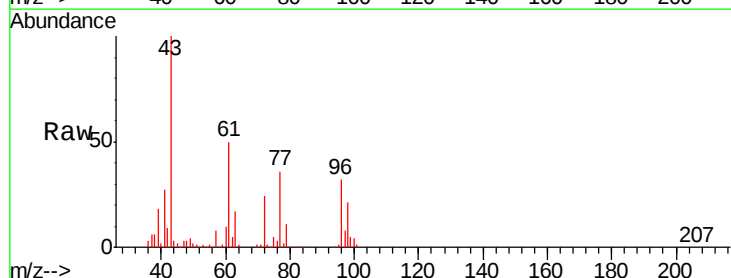
Acq: 20 Sep 2019 23:42

Tgt Ion: 77 Resp: 263817

Ion Ratio Lower Upper

77 100

97 22.0 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.81

100000

80000

60000

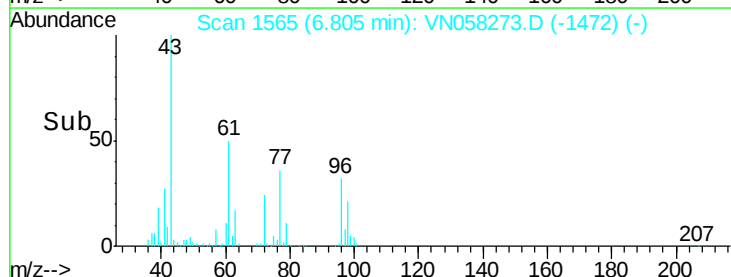
40000

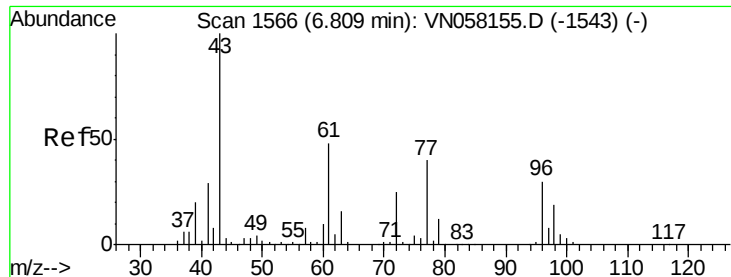
20000

0

Time-->

6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 50.287 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

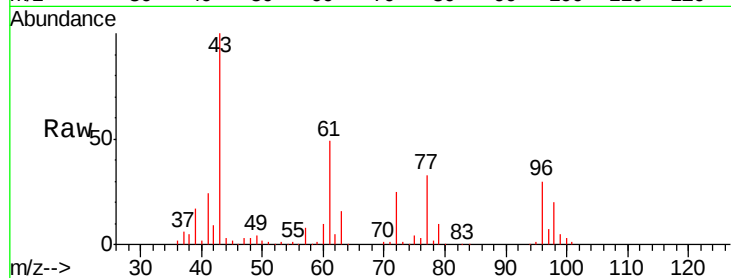
Tgt Ion: 96 Resp: 227000

Ion Ratio Lower Upper

96 100

61 158.4 0.0 319.0

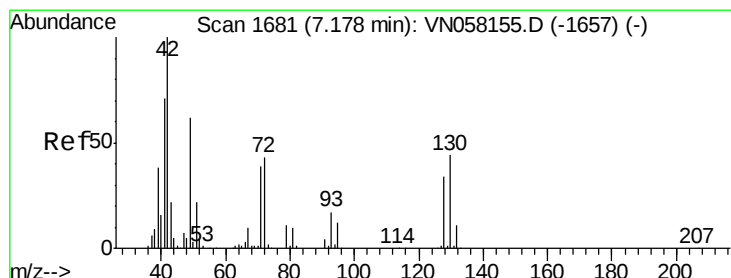
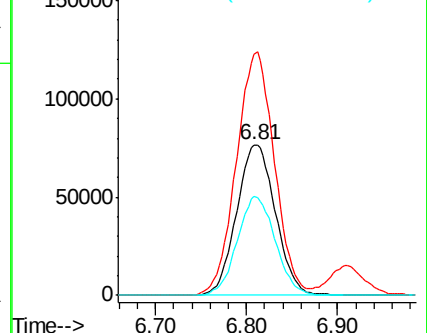
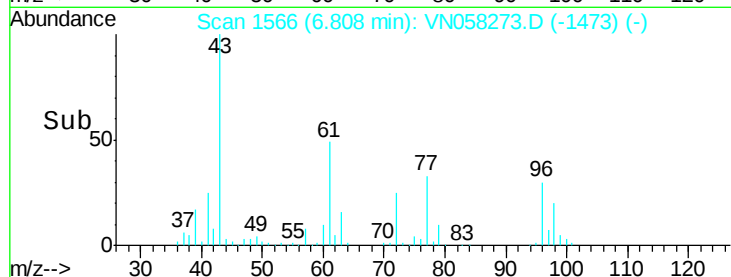
98 64.4 0.0 126.6



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: 55.426 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

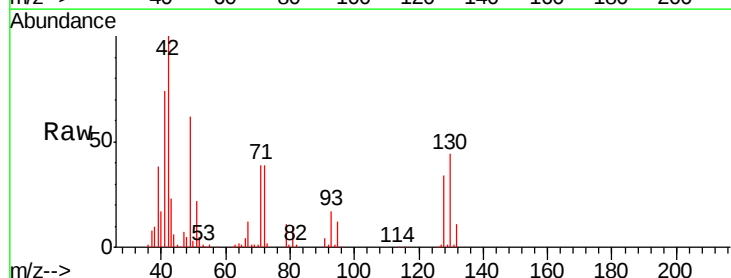
Tgt Ion: 49 Resp: 209328

Ion Ratio Lower Upper

49 100

129 1.5 0.0 1.8

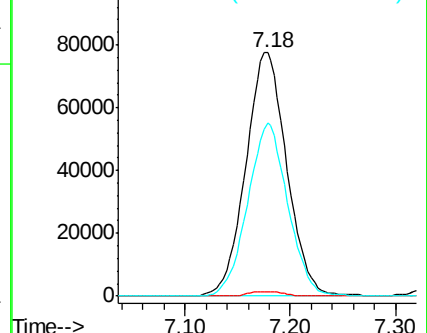
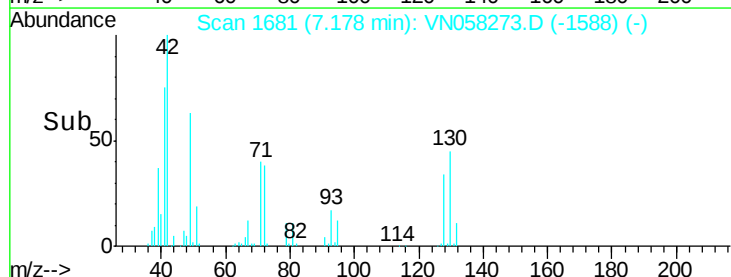
130 69.7 55.4 83.2

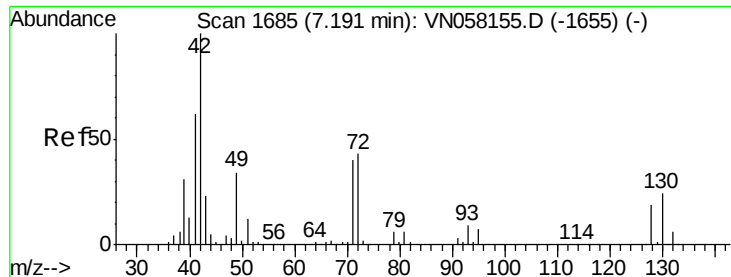


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

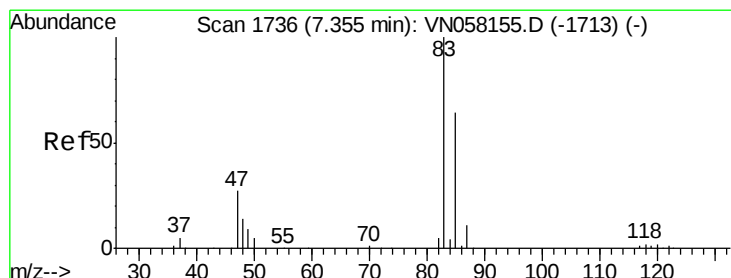
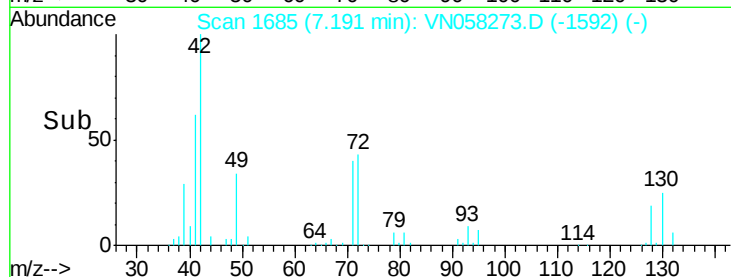
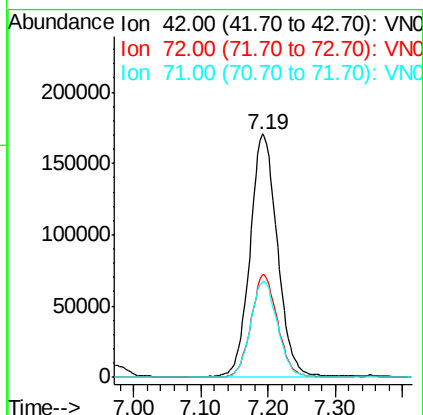
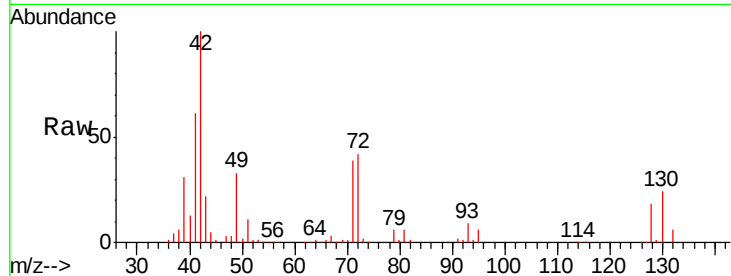




#29
Tetrahydrofuran
Concen: 272.526 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

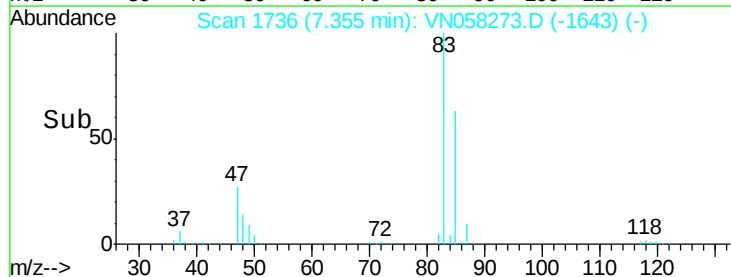
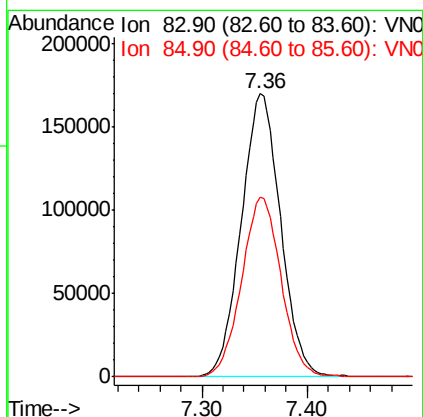
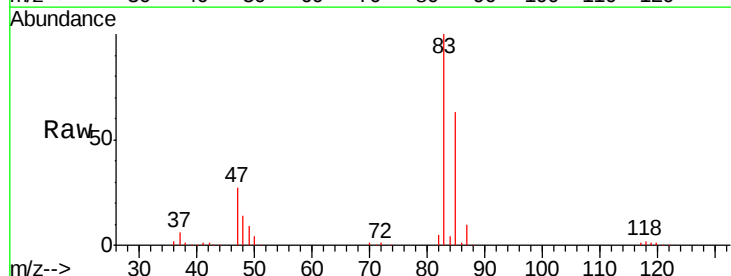
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

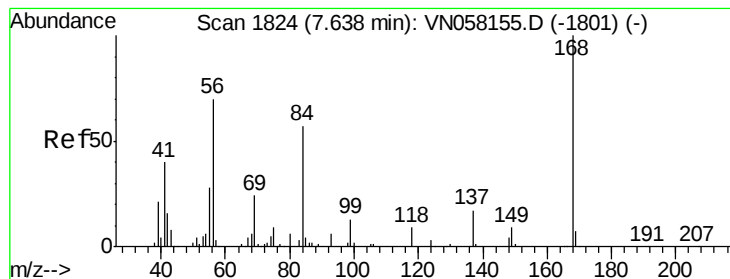
Tgt Ion: 42 Resp: 481304
Ion Ratio Lower Upper
42 100
72 41.2 33.8 50.6
71 39.0 31.4 47.0



#30
Chloroform
Concen: 51.181 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion: 83 Resp: 439828
Ion Ratio Lower Upper
83 100
85 63.4 51.4 77.2





#31

Cyclohexane

Concen: 49.819 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

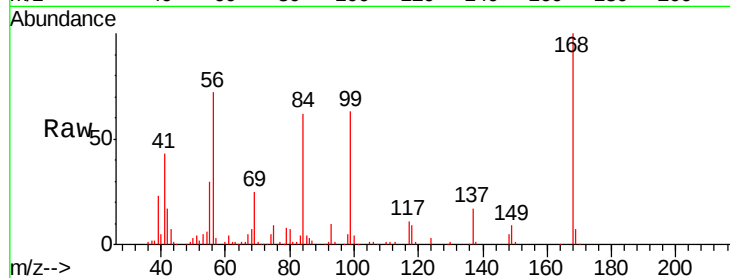
Tgt Ion: 56 Resp: 257137

Ion Ratio Lower Upper

56 100

69 34.3 27.3 40.9

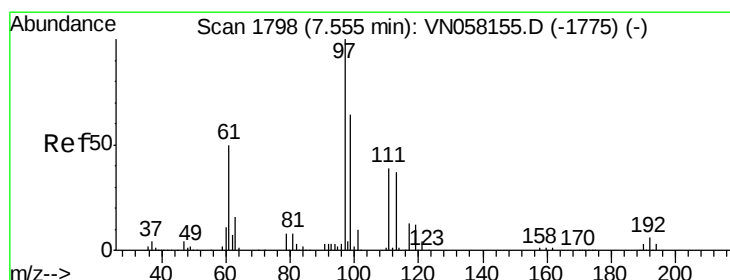
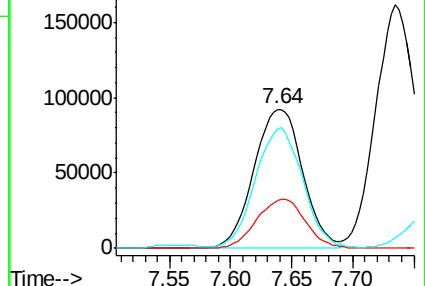
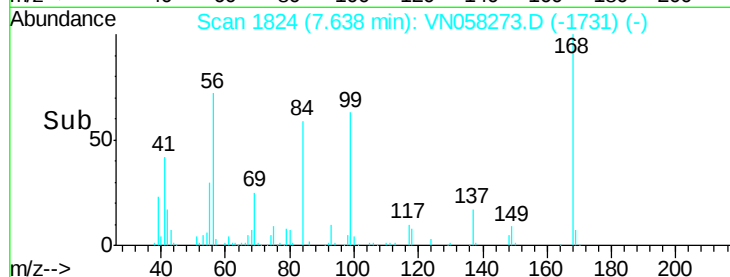
84 84.1 65.0 97.4



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: 51.552 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

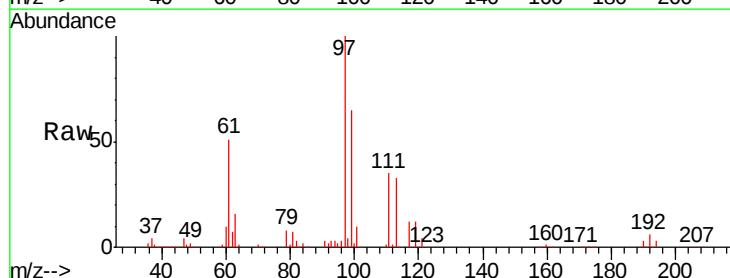
Tgt Ion: 97 Resp: 337252

Ion Ratio Lower Upper

97 100

99 64.9 50.9 76.3

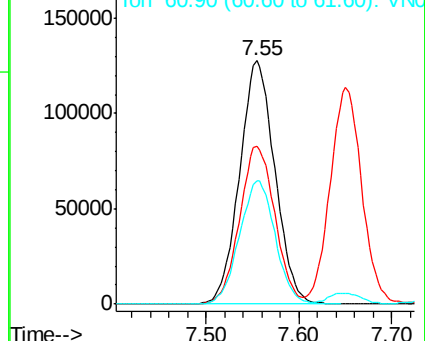
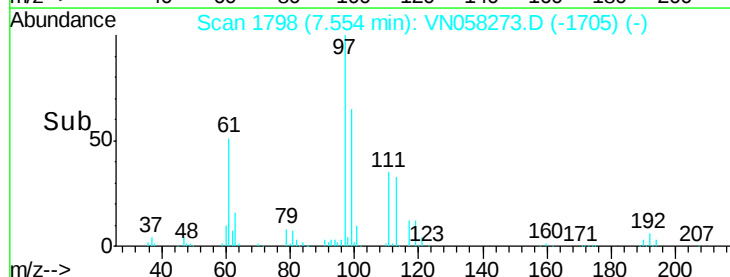
61 51.3 39.2 58.8

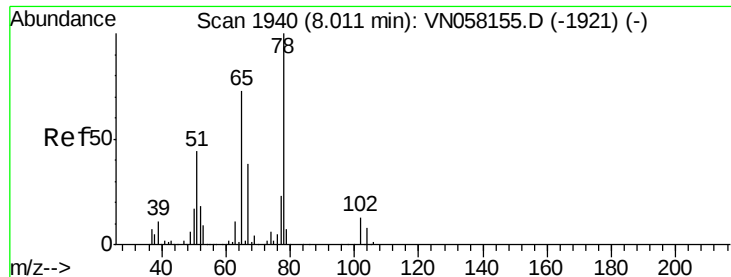


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 55.467 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

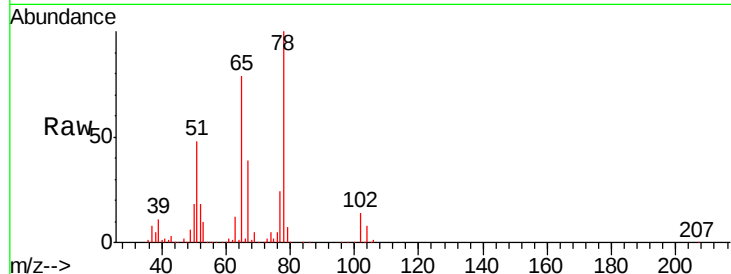
VSTDCCC050EC

Tgt Ion: 65 Resp: 343892

Ion Ratio Lower Upper

65 100

67 50.2 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.01

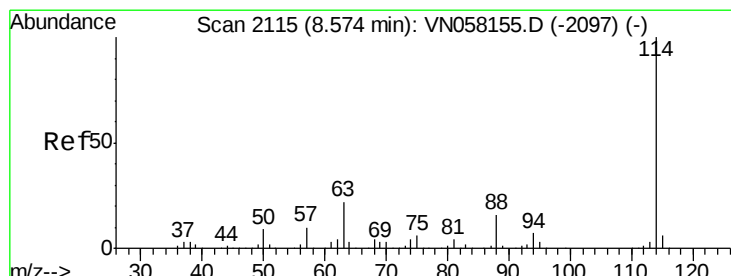
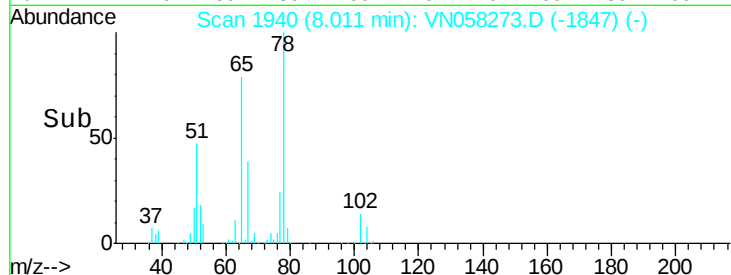
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

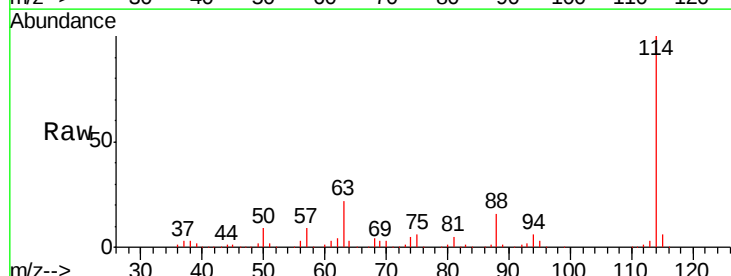
Tgt Ion: 114 Resp: 764973

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.2

88 15.9 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.57

500000

400000

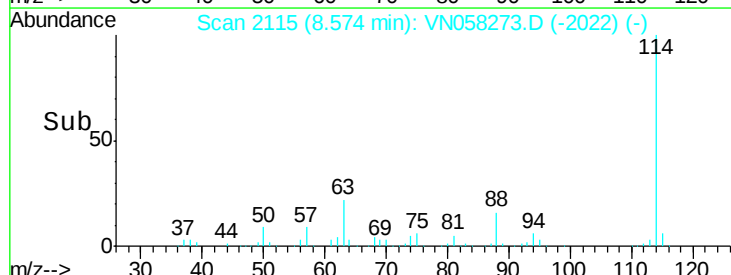
300000

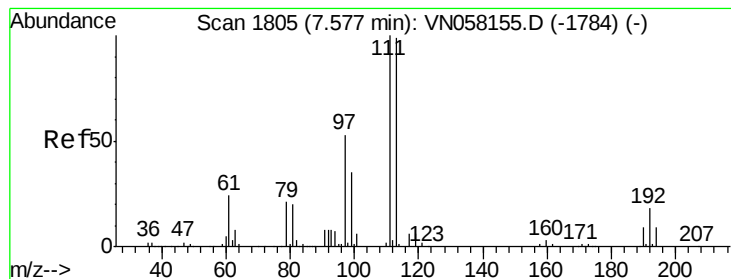
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 52.753 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

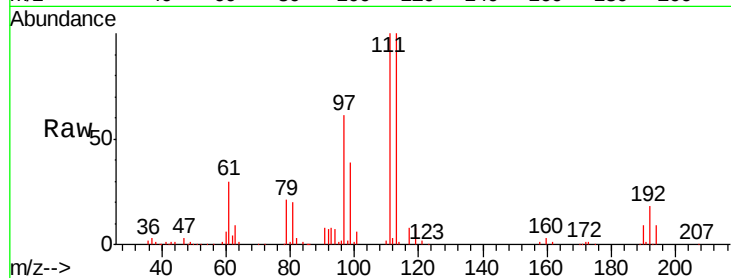
Tgt Ion: 113 Resp: 245325

Ion Ratio Lower Upper

113 100

111 102.4 81.8 122.6

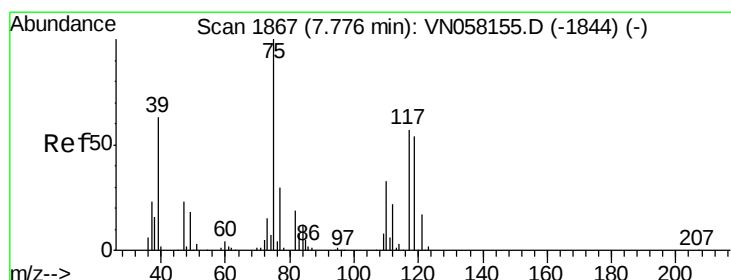
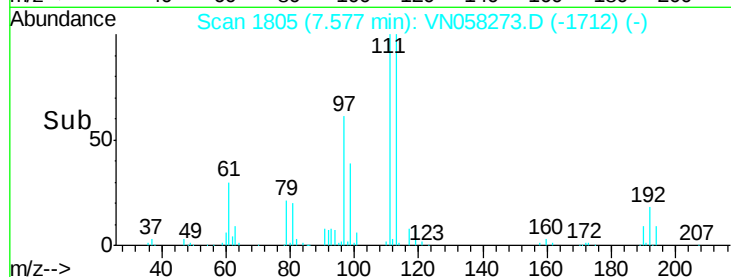
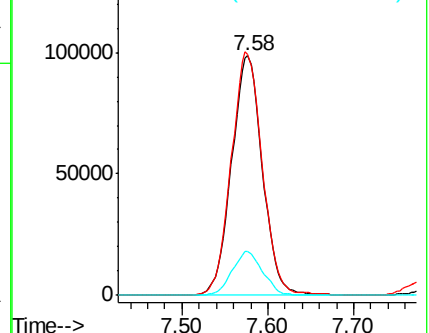
192 18.0 14.5 21.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 45.777 ug/l

RT: 7.78 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

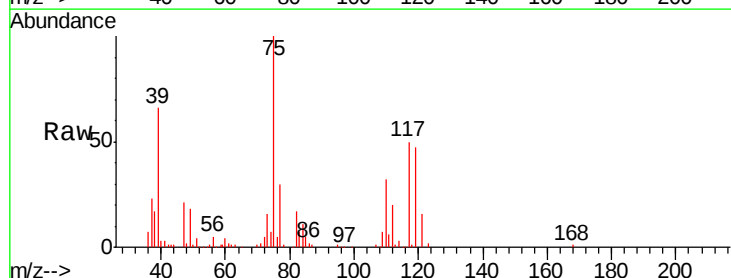
Tgt Ion: 75 Resp: 252535

Ion Ratio Lower Upper

75 100

110 32.0 16.6 49.7

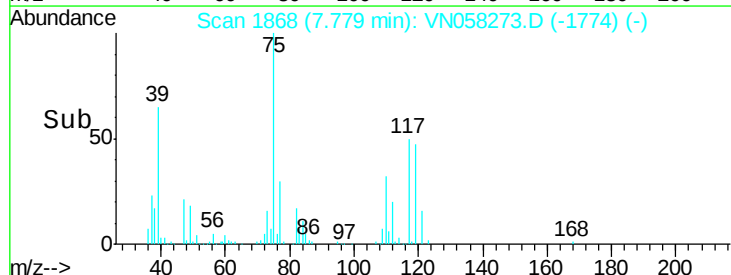
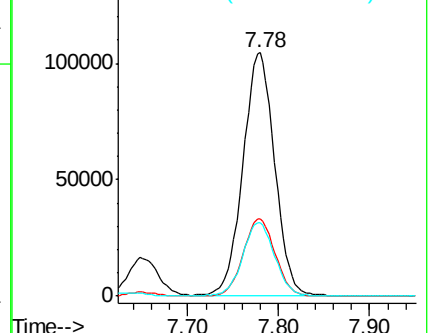
77 30.8 24.3 36.5



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

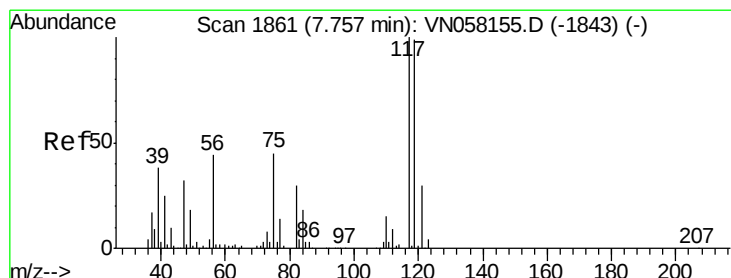
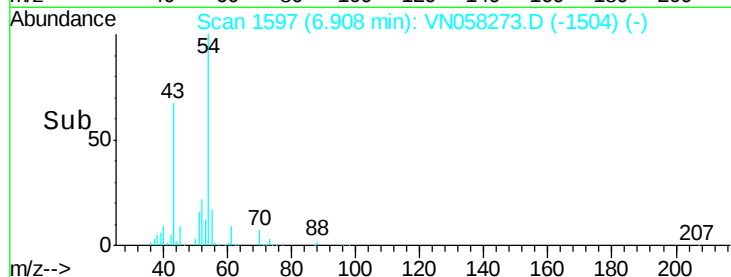
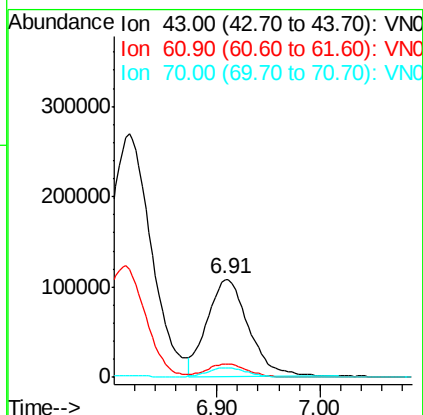
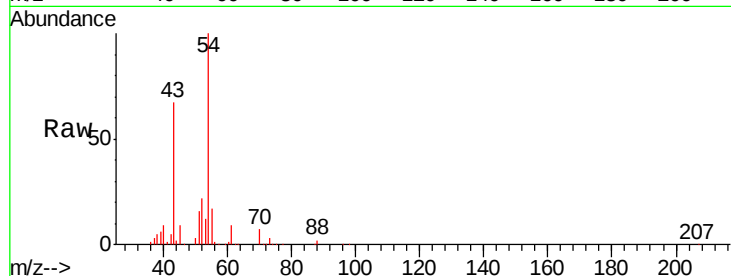




#37
Ethyl Acetate
Concen: 52.715 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

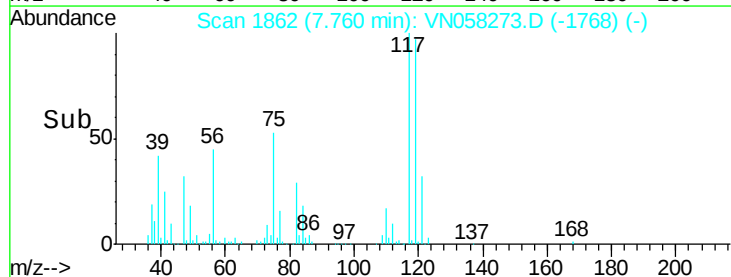
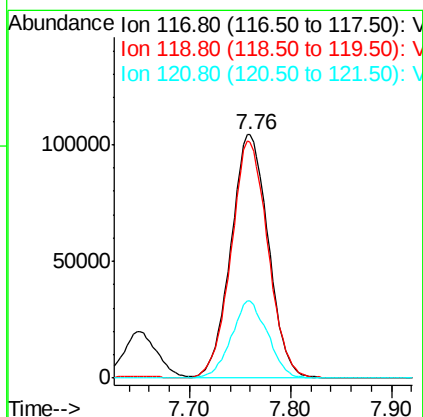
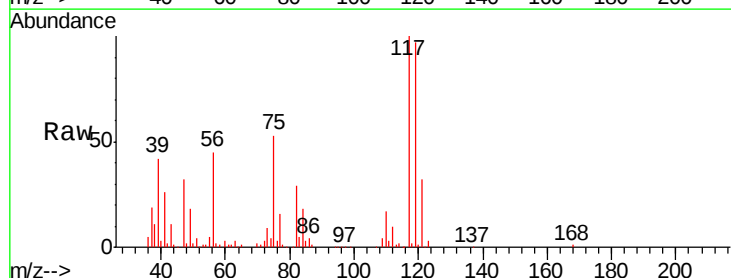
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 301792
Ion Ratio Lower Upper
43 100
61 13.3 10.7 16.1
70 9.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 48.492 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion: 117 Resp: 268909
Ion Ratio Lower Upper
117 100
119 96.8 78.6 117.8
121 31.9 24.1 36.1

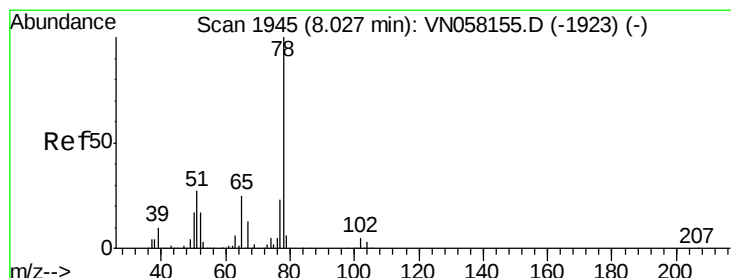
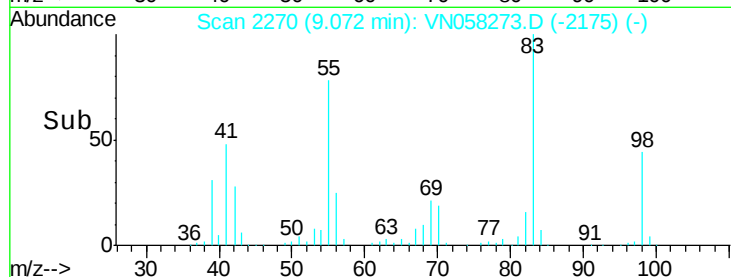
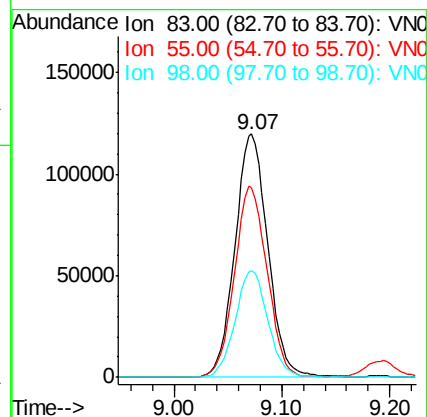
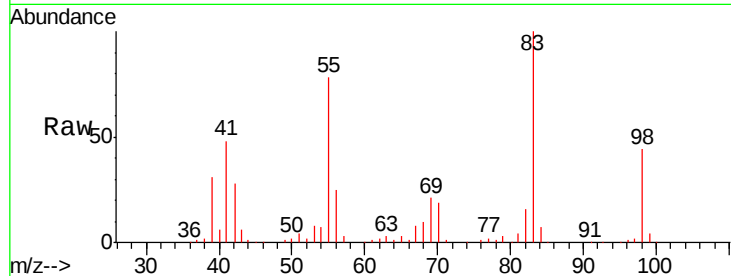




#39
Methylcyclohexane
Concen: 47.665 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

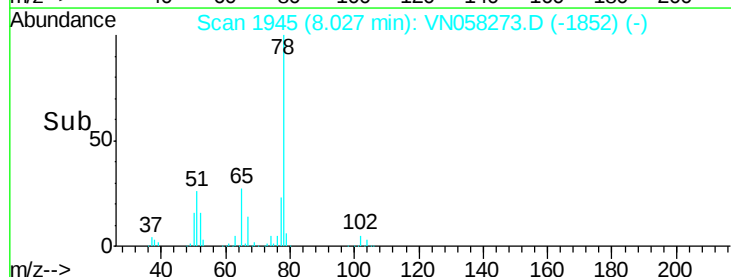
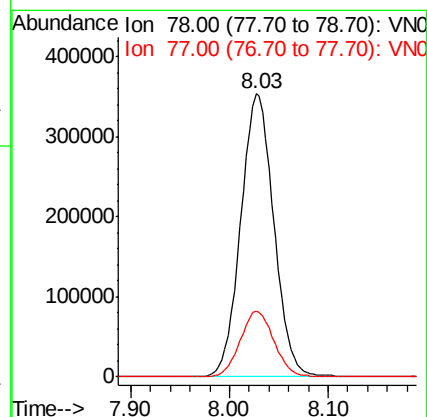
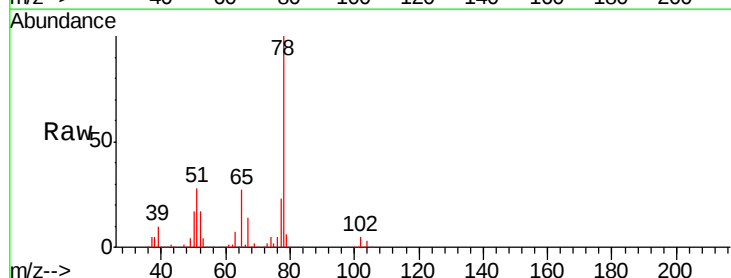
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

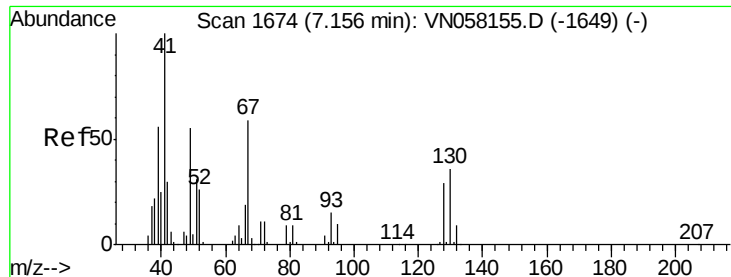
Tgt Ion: 83 Resp: 254219
Ion Ratio Lower Upper
83 100
55 77.7 61.9 92.9
98 44.0 35.4 53.2



#40
Benzene
Concen: 48.768 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion: 78 Resp: 821722
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2

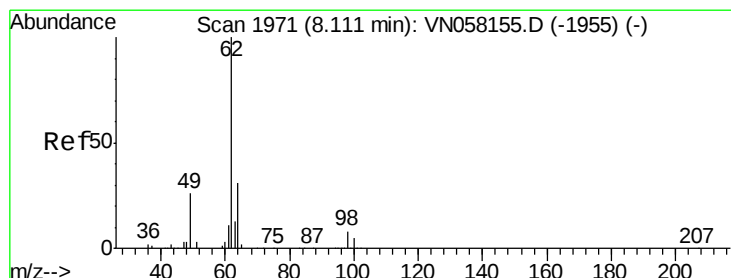
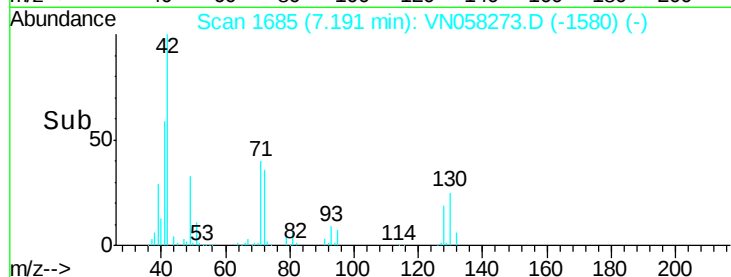
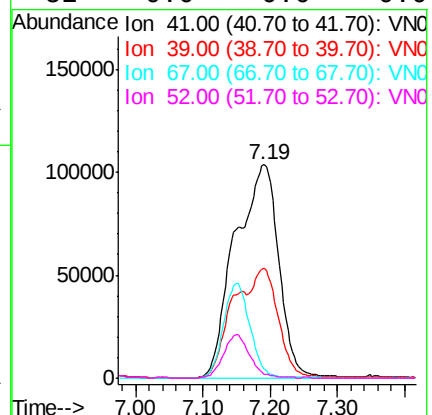
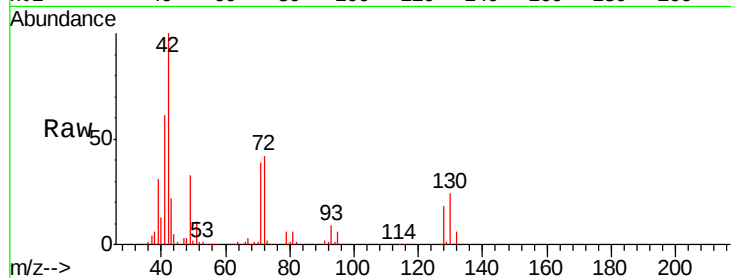




#41
Methacrylonitrile
Concen: 159.440 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

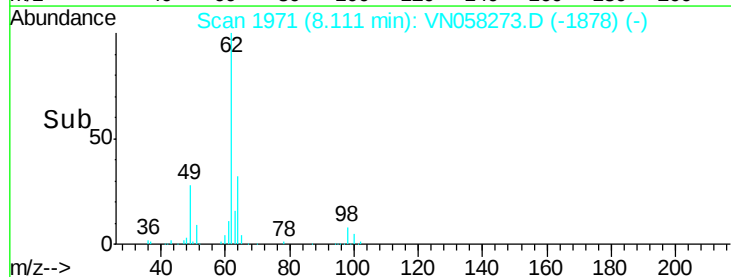
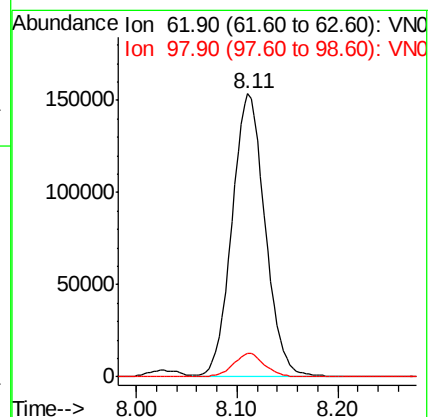
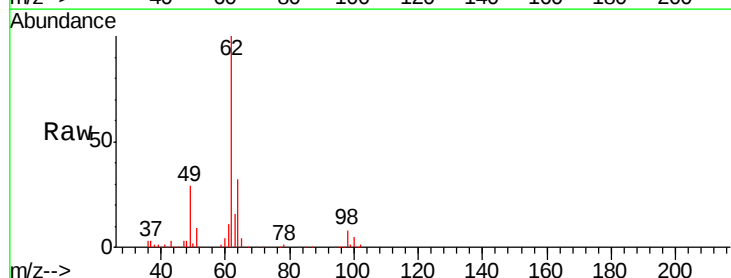
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

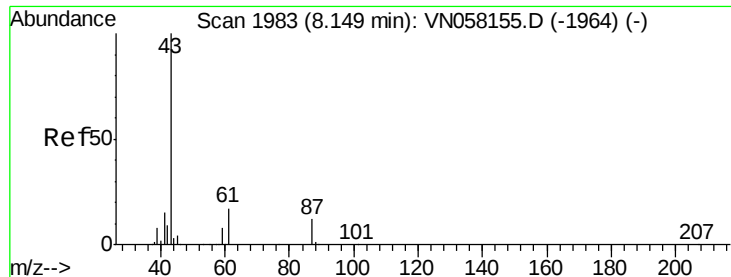
Tgt Ion:	41	Resp:	465701
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 49.338 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion:	62	Resp:	348829
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.6





#43

Isopropyl Acetate

Concen: 50.463 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

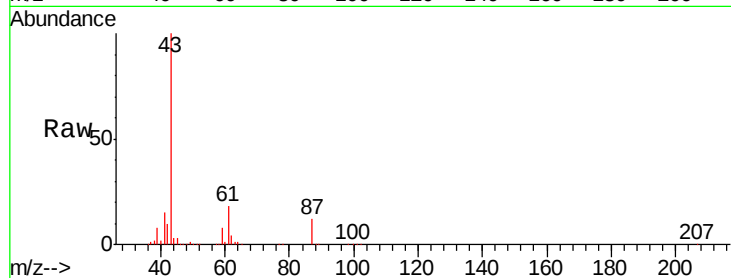
Tgt Ion: 43 Resp: 539551

Ion Ratio Lower Upper

43 100

61 24.6 19.7 29.5

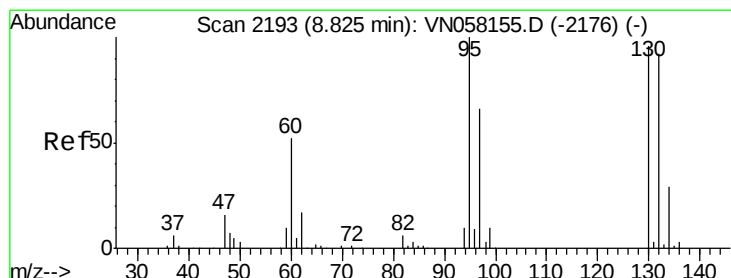
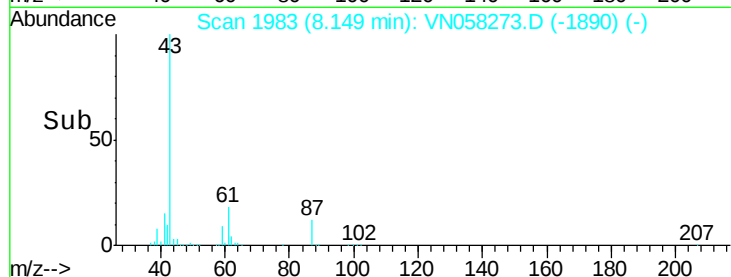
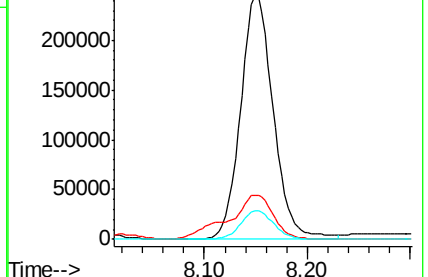
87 11.9 9.4 14.2



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

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

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



#44

Trichloroethene

Concen: 53.444 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN058273.D

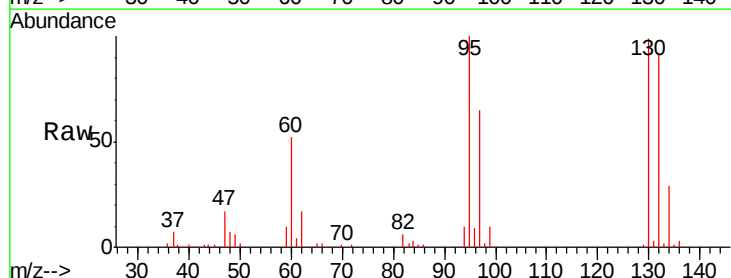
Acq: 20 Sep 2019 23:42

Tgt Ion: 130 Resp: 220366

Ion Ratio Lower Upper

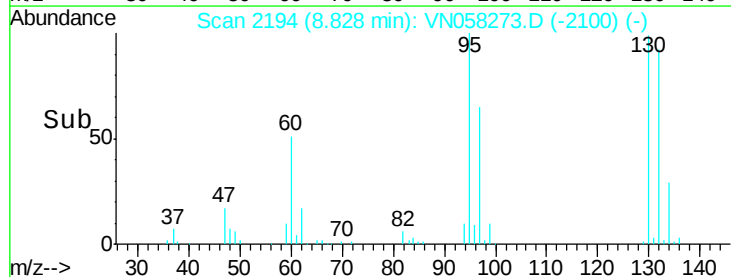
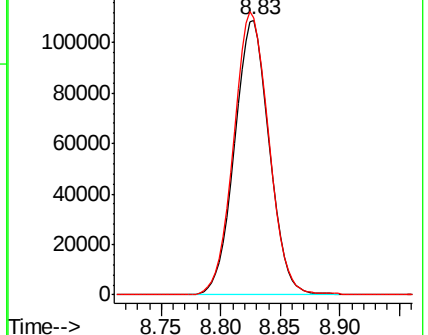
130 100

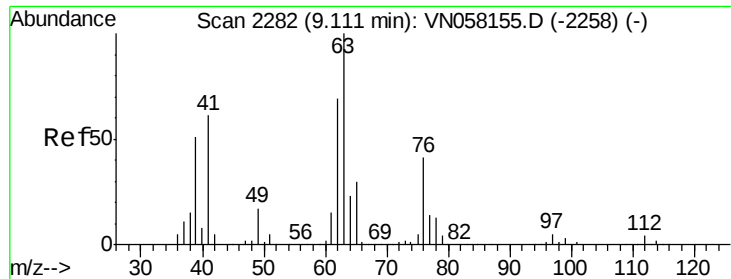
95 100.7 0.0 207.8



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

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

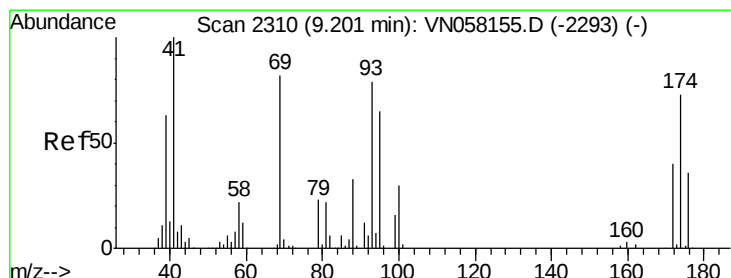
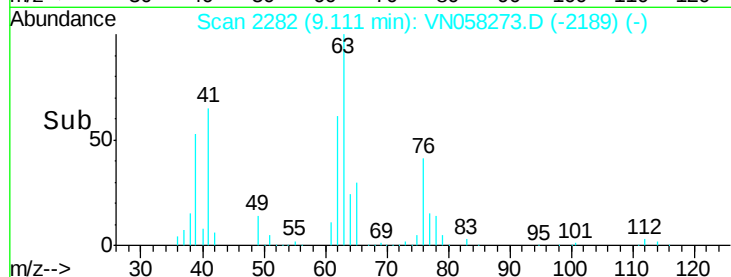
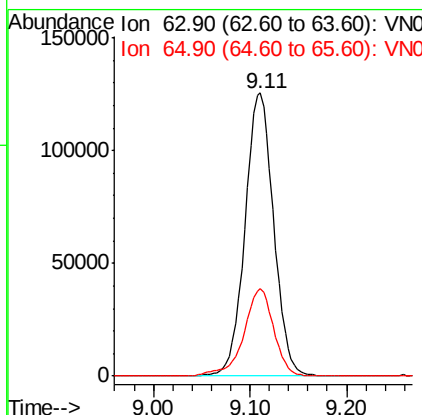
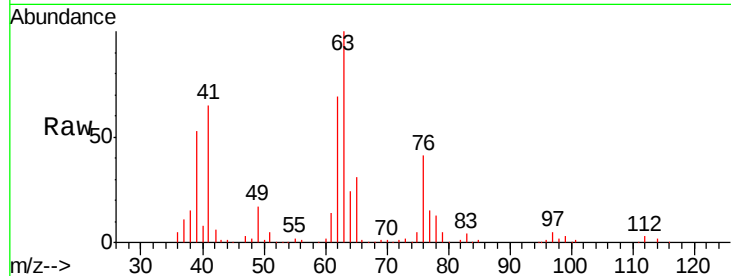




#45
 1,2-Dichloropropane
 Concen: 51.280 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

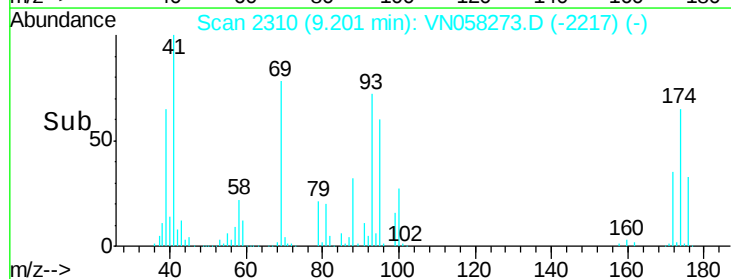
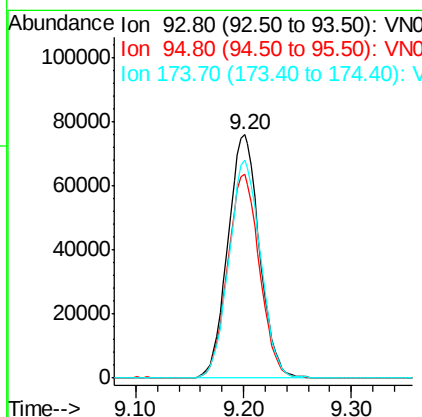
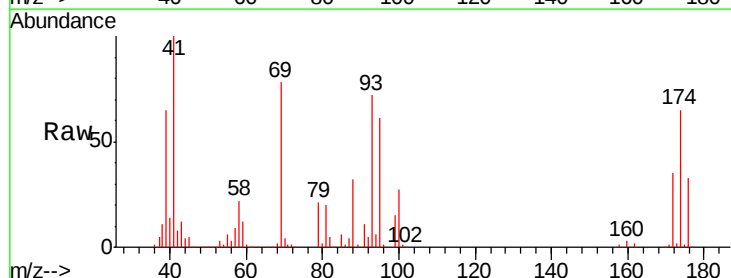
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

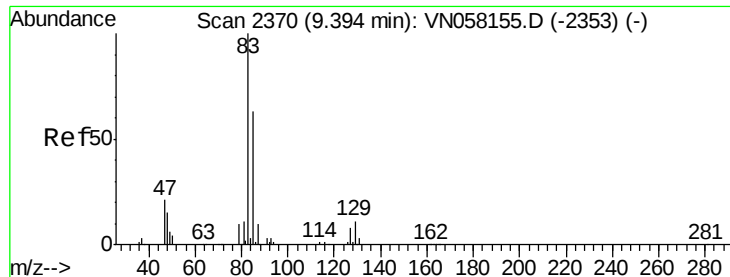
Tgt Ion: 63 Resp: 258038
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.8 35.6



#46
 Dibromomethane
 Concen: 50.961 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

Tgt Ion: 93 Resp: 155905
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.8 100.2
 174 89.1 73.8 110.8





#47

Bromodichloromethane

Concen: 52.693 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

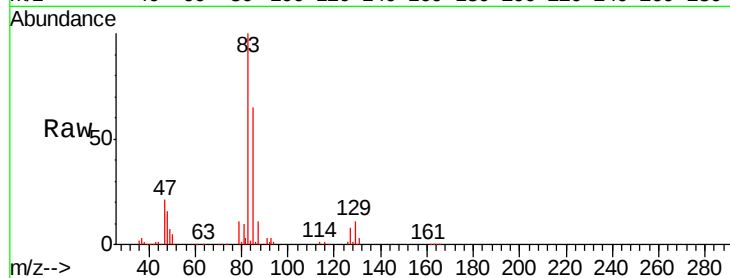
Tgt Ion: 83 Resp: 337720

Ion Ratio Lower Upper

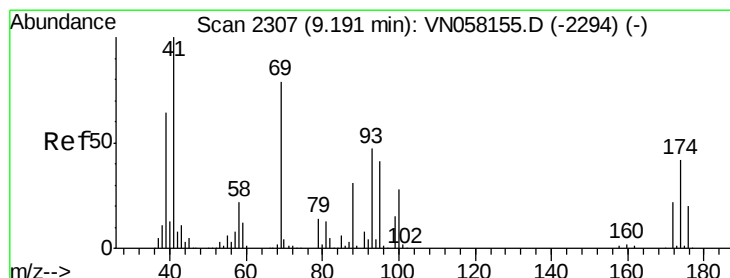
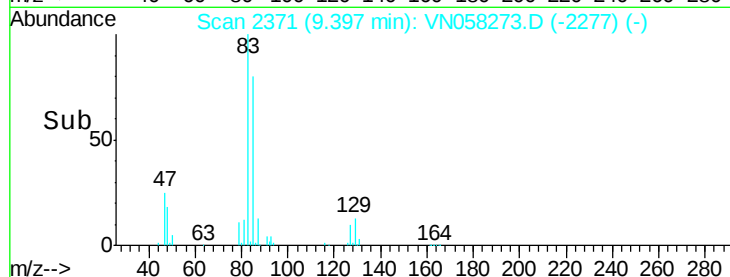
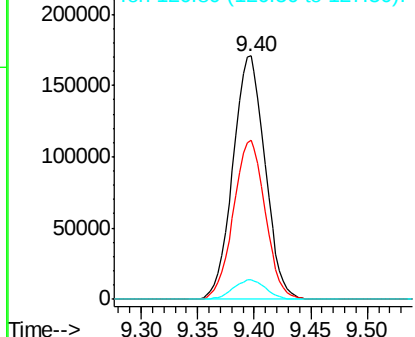
83 100

85 65.2 50.1 75.1

127 8.2 6.4 9.6



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



#48

Methyl methacrylate

Concen: 53.867 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

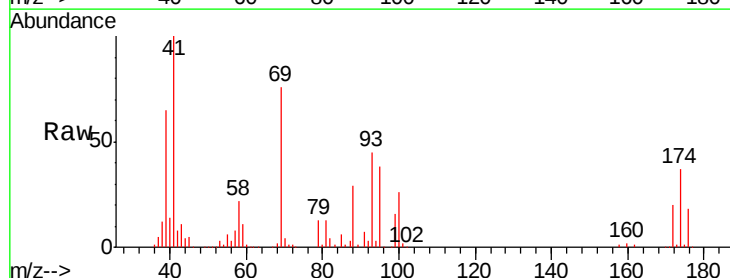
Tgt Ion: 41 Resp: 261505

Ion Ratio Lower Upper

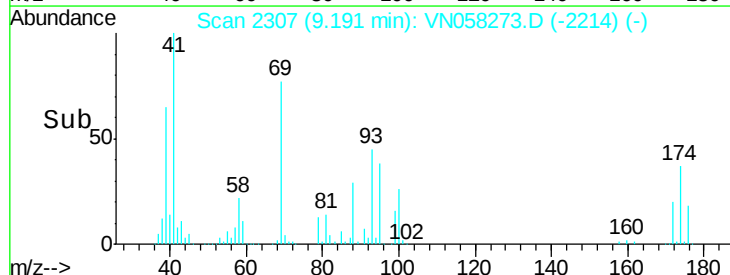
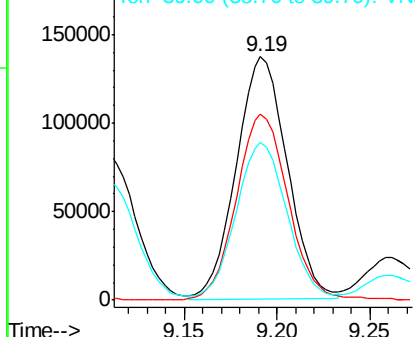
41 100

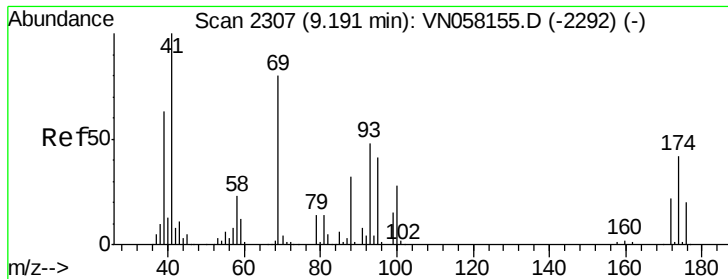
69 78.3 62.5 93.7

39 65.0 52.3 78.5



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

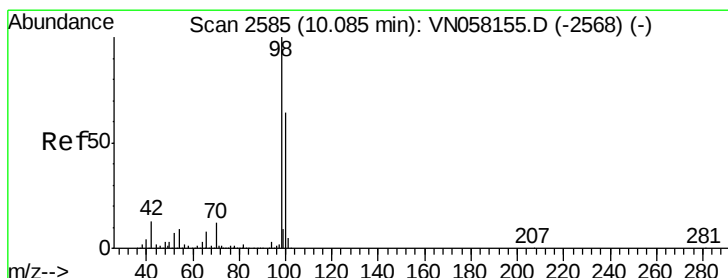
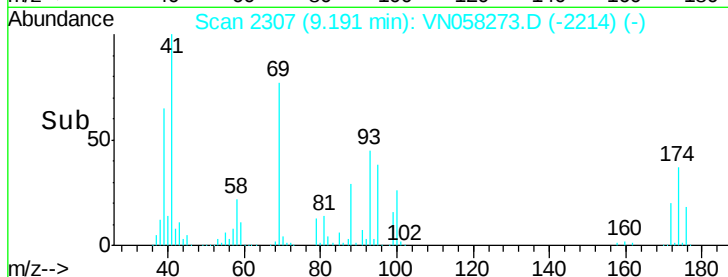
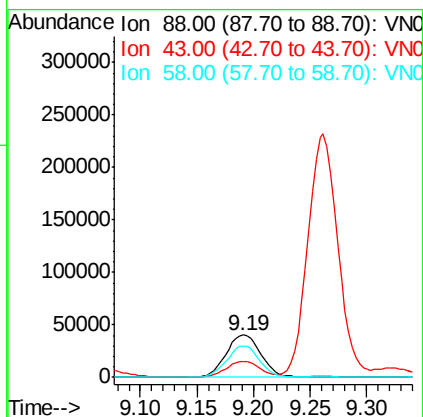
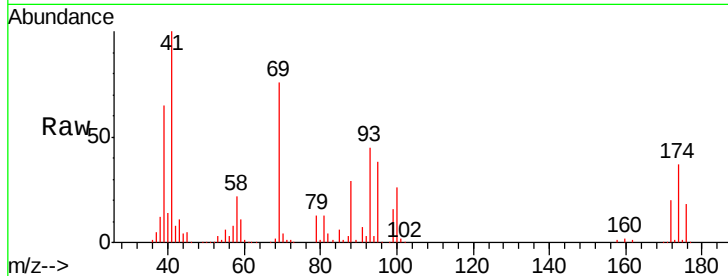




#49
 1,4-Dioxane
 Concen: 1095.324 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

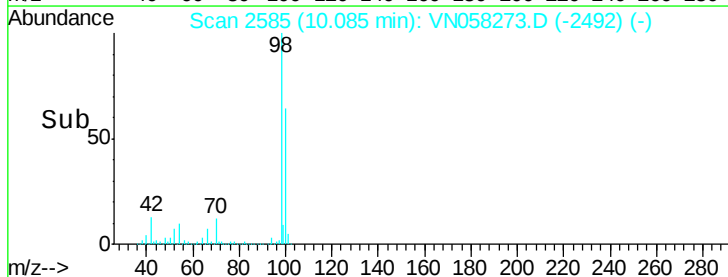
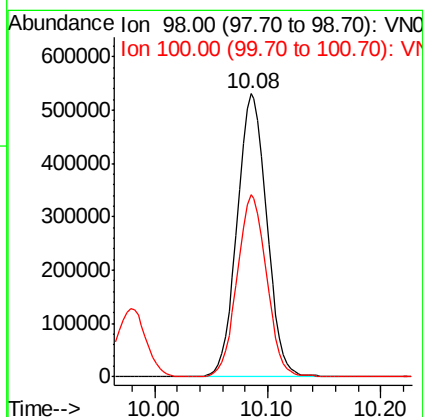
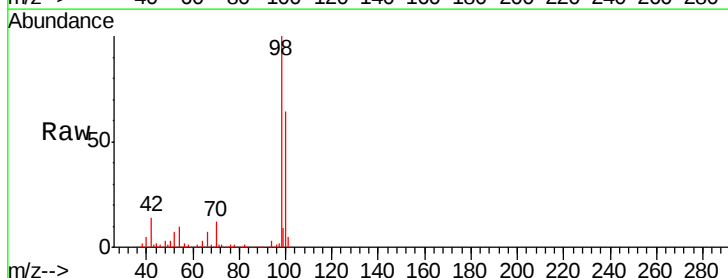
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

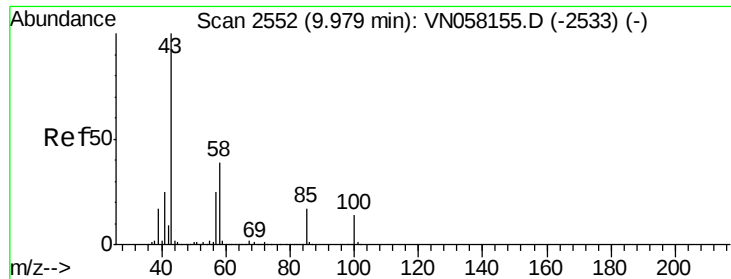
Tgt Ion: 88 Resp: 87302
 Ion Ratio Lower Upper
 88 100
 43 34.6 27.8 41.8
 58 70.3 55.0 82.4



#50
 Toluene-d8
 Concen: 53.573 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

Tgt Ion: 98 Resp: 970680
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 306.242 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

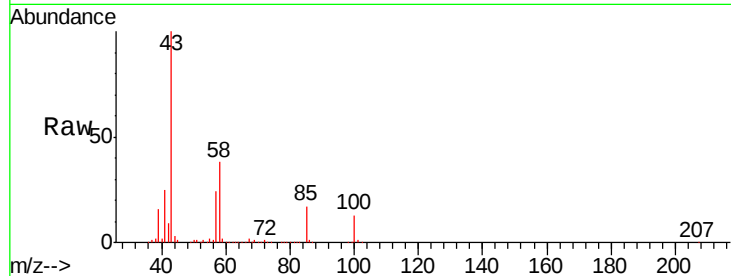
VSTDCCC050EC

Tgt Ion: 43 Resp: 1739194

Ion Ratio Lower Upper

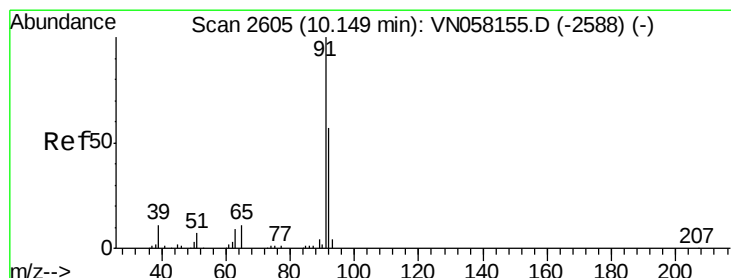
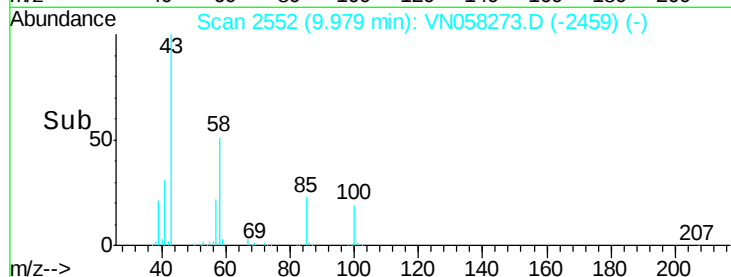
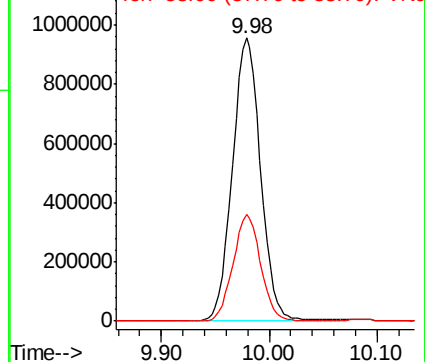
43 100

58 37.1 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.934 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058273.D

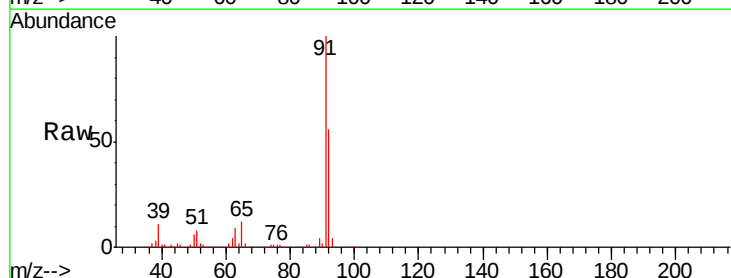
Acq: 20 Sep 2019 23:42

Tgt Ion: 92 Resp: 527295

Ion Ratio Lower Upper

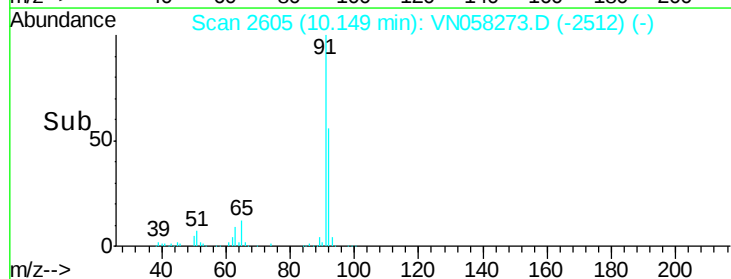
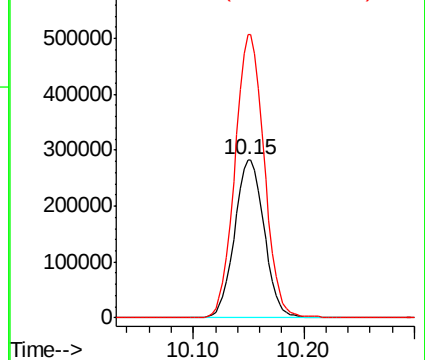
92 100

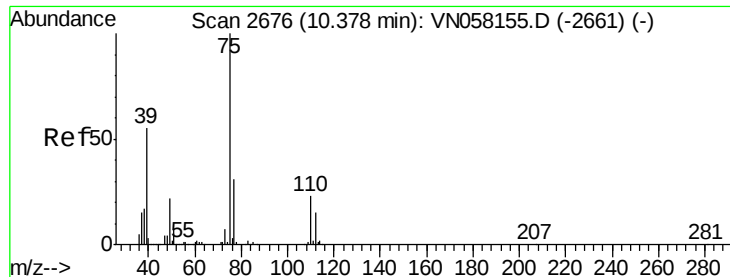
91 177.2 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 51.157 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

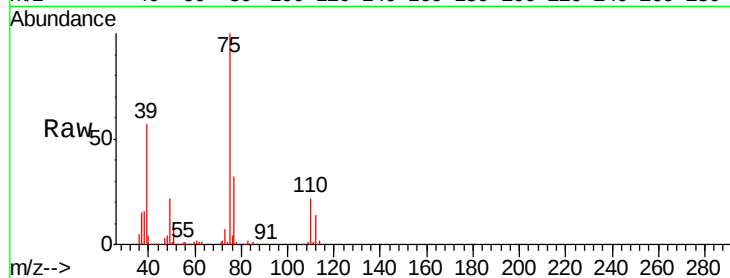
VSTDCCC050EC

Tgt Ion: 75 Resp: 335857

Ion Ratio Lower Upper

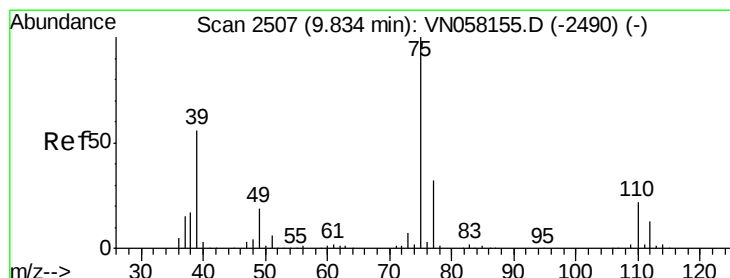
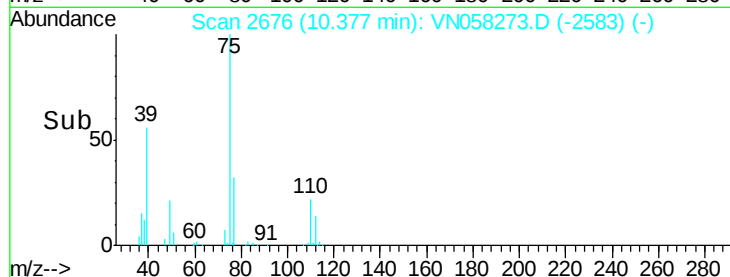
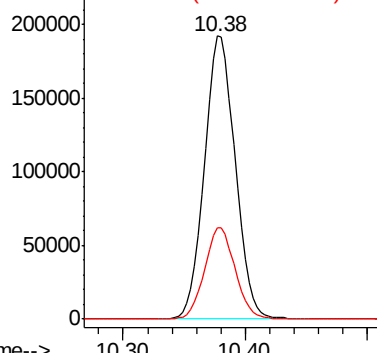
75 100

77 32.3 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 50.473 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

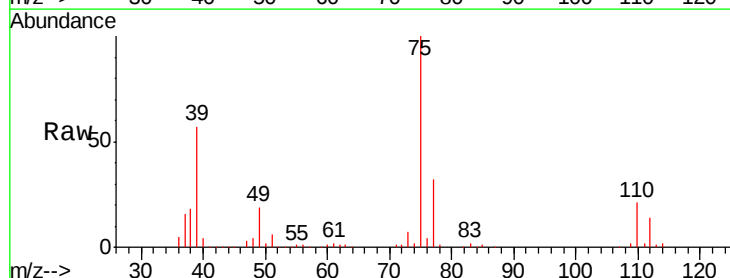
Tgt Ion: 75 Resp: 365854

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0

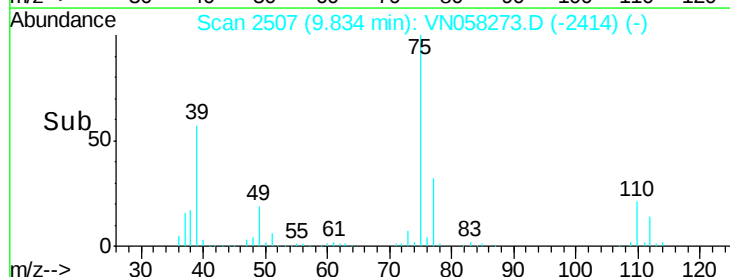
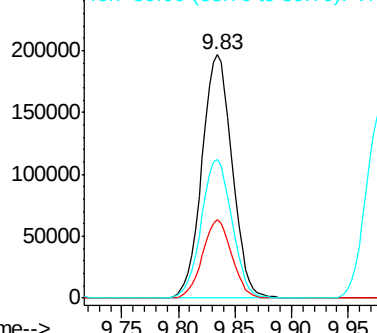
39 57.0 45.0 67.6

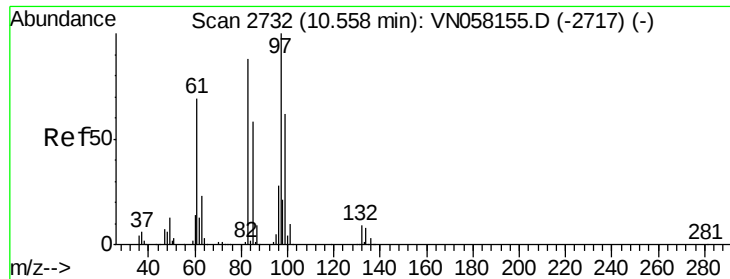


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

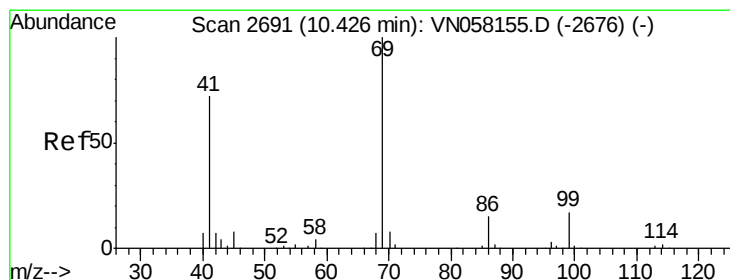
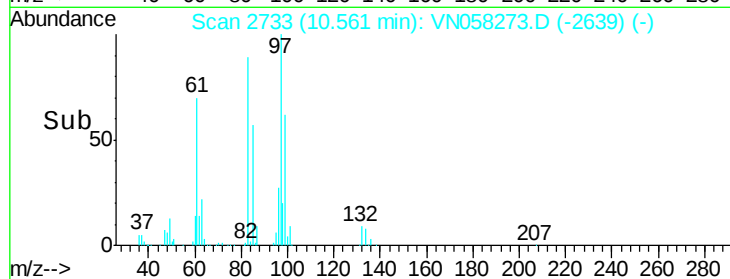
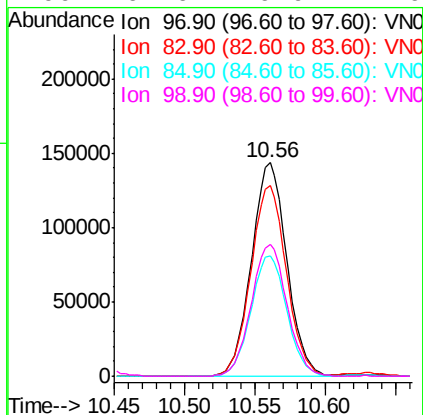
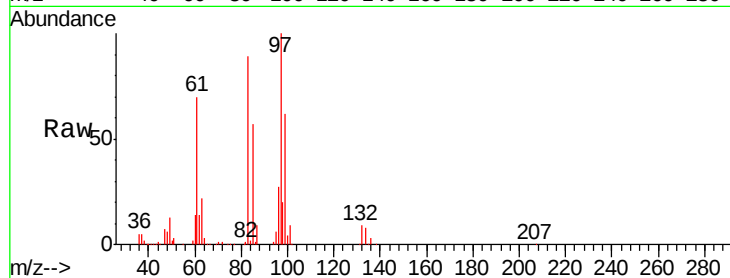




#55
 1,1,2-Trichloroethane
 Concen: 53.846 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

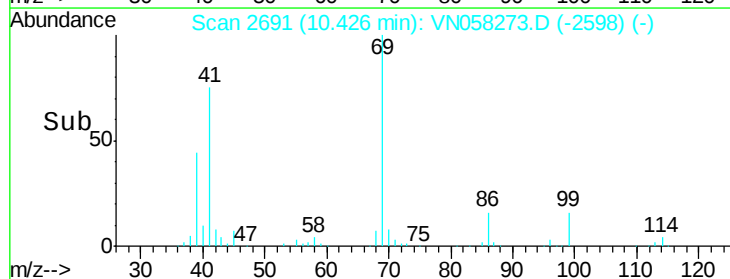
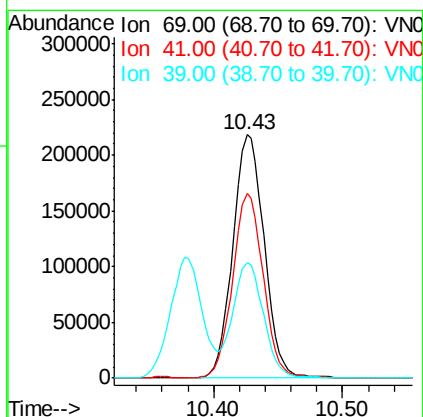
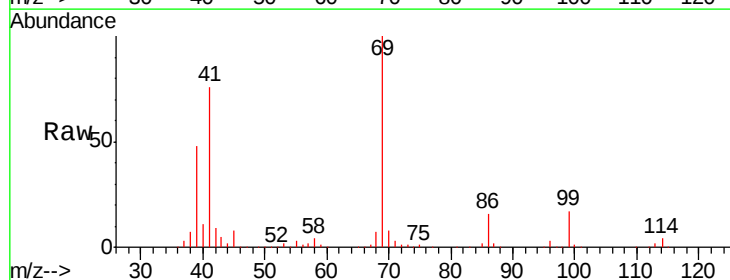
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 97 Resp: 252334
 Ion Ratio Lower Upper
 97 100
 83 89.1 70.4 105.6
 85 56.6 46.8 70.2
 99 61.6 49.9 74.9



#56
 Ethyl methacrylate
 Concen: 54.773 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

Tgt Ion: 69 Resp: 370342
 Ion Ratio Lower Upper
 69 100
 41 72.8 57.5 86.3
 39 46.3 36.1 54.1





#57

1,3-Dichloropropane

Concen: 52.415 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

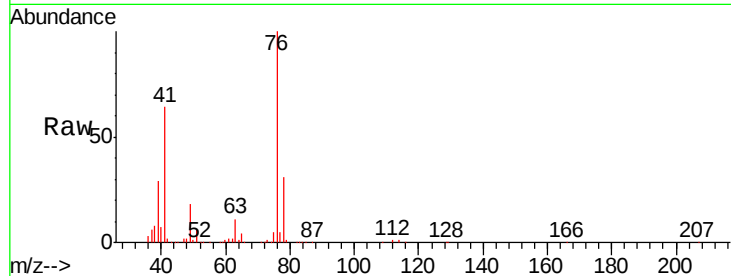
VSTDCCC050EC

Tgt Ion: 76 Resp: 422260

Ion Ratio Lower Upper

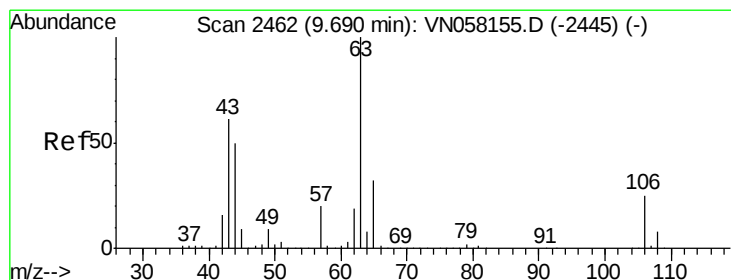
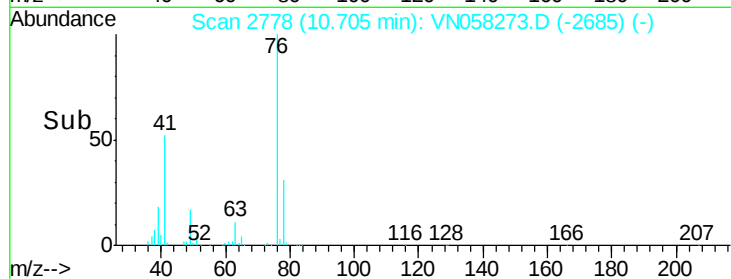
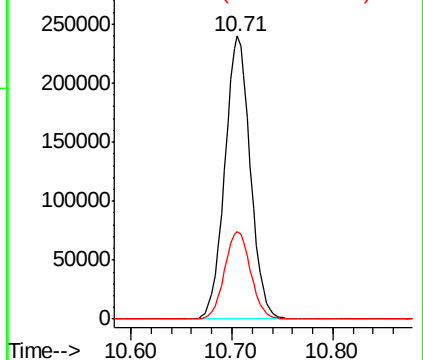
76 100

78 31.7 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 290.255 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058273.D

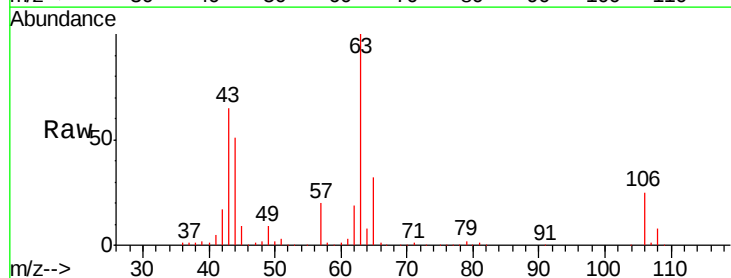
Acq: 20 Sep 2019 23:42

Tgt Ion: 63 Resp: 934799

Ion Ratio Lower Upper

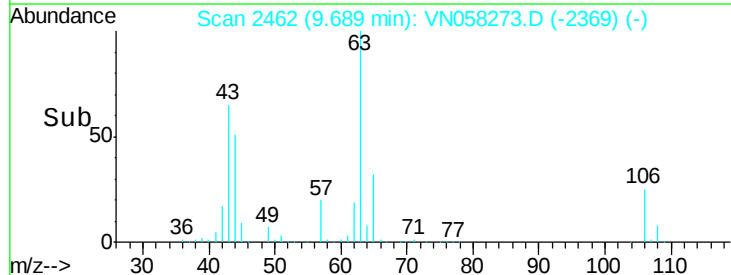
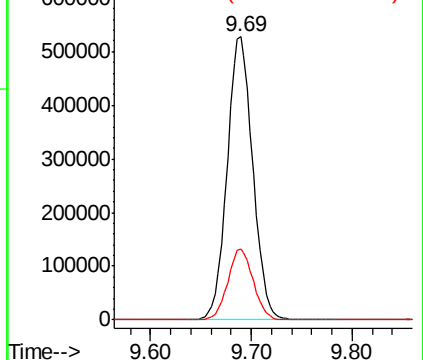
63 100

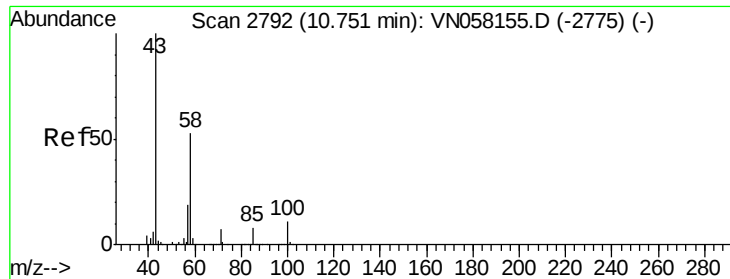
106 24.8 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

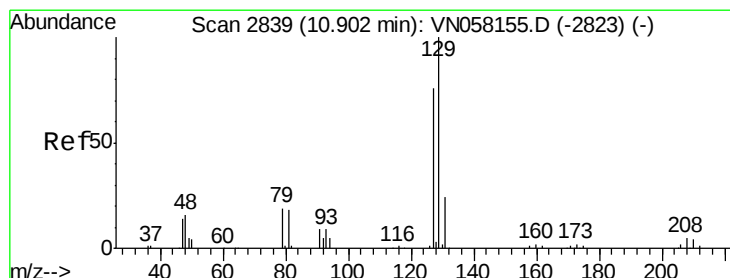
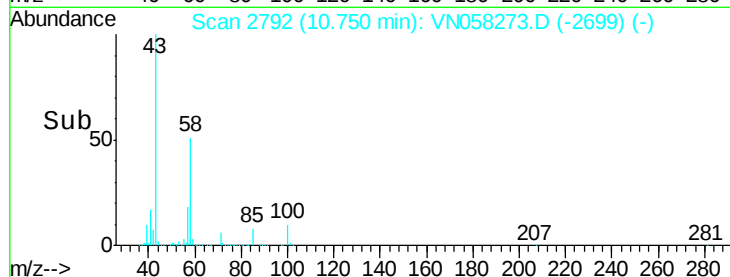
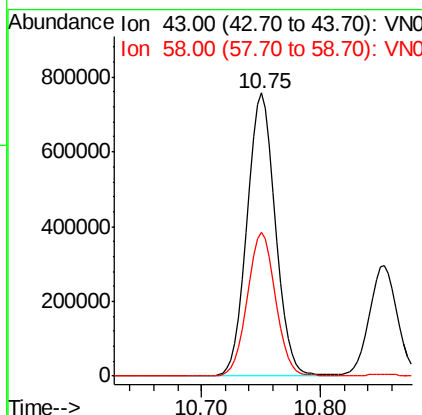
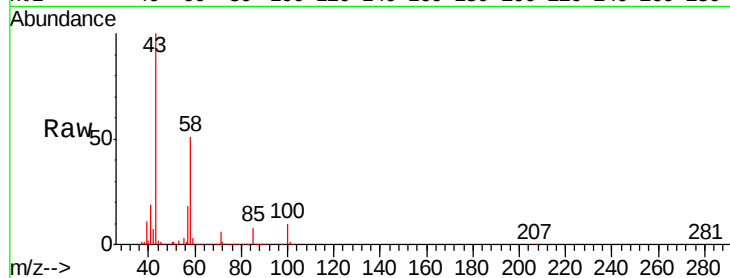




#59
2-Hexanone
Concen: 296.100 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

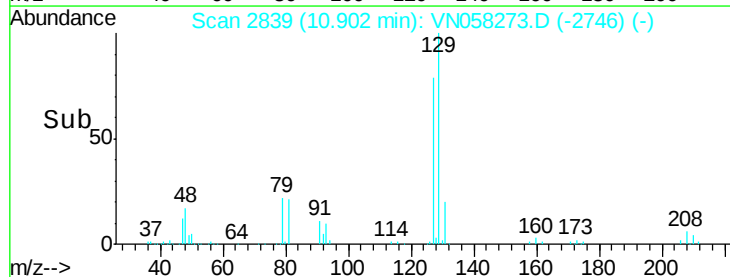
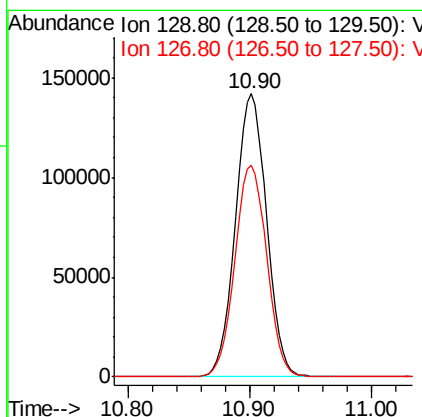
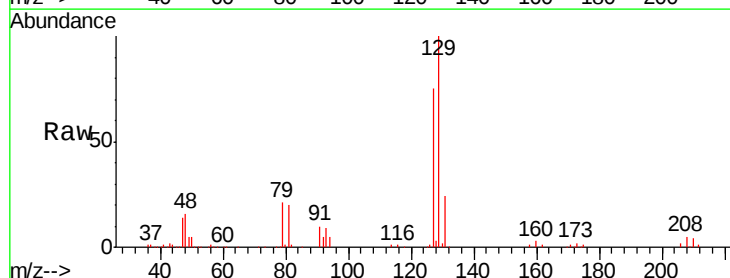
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

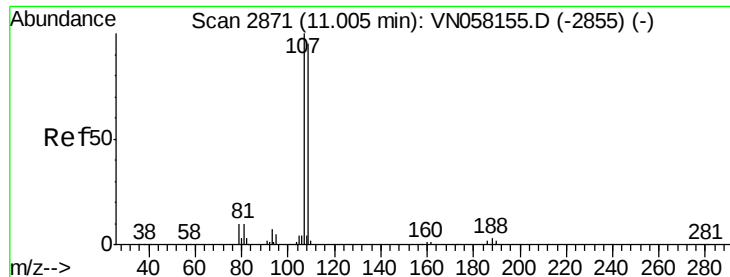
Tgt Ion: 43 Resp: 1248905
Ion Ratio Lower Upper
43 100
58 50.8 26.0 78.0



#60
Dibromochloromethane
Concen: 55.675 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion: 129 Resp: 251001
Ion Ratio Lower Upper
129 100
127 76.7 38.7 116.1

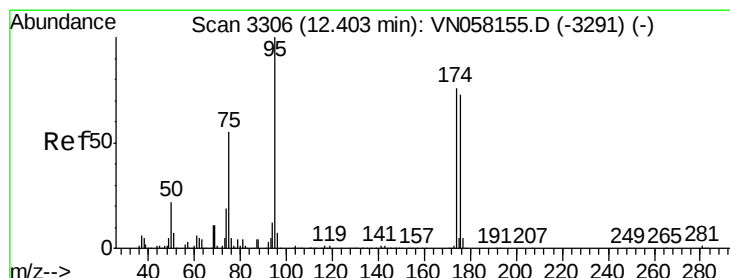
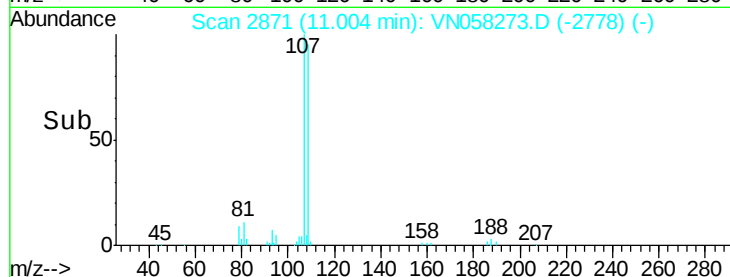
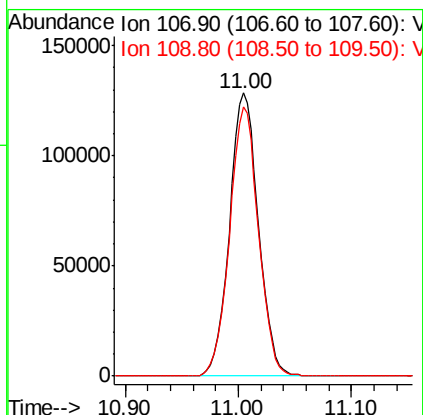
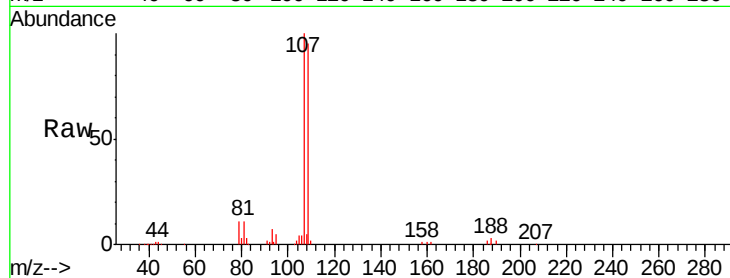




#61
 1,2-Dibromoethane
 Concen: 52.473 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

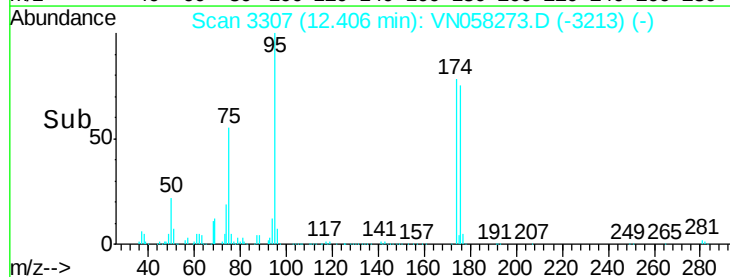
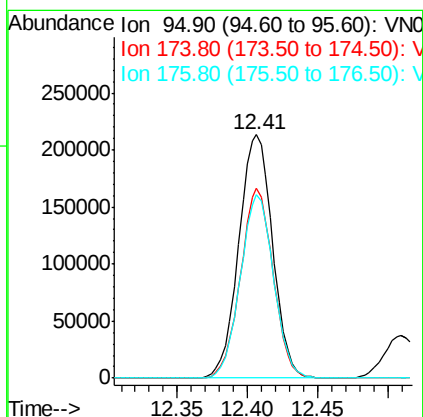
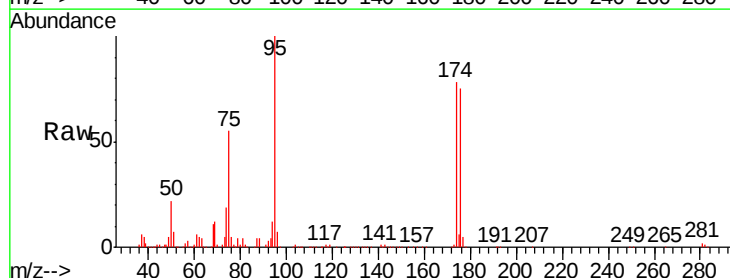
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

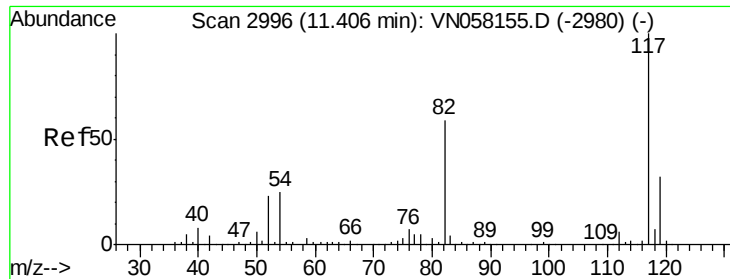
Tgt Ion: 107 Resp: 227884
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 53.167 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

Tgt Ion: 95 Resp: 357837
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 152.2
 176 74.3 0.0 148.0

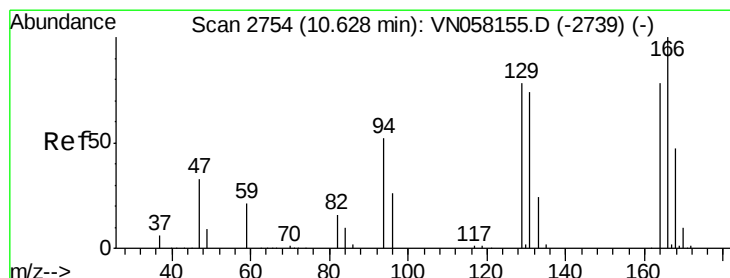
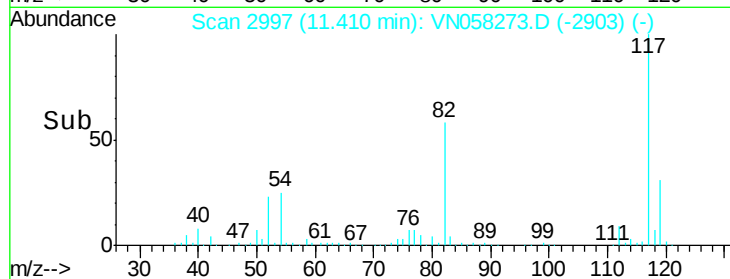
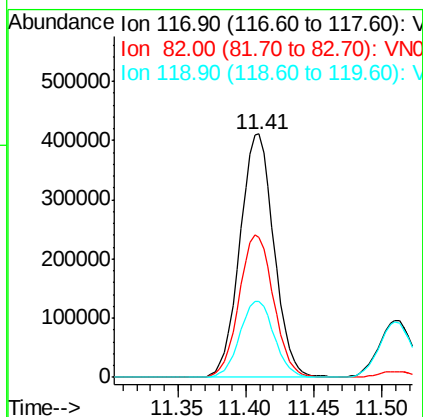
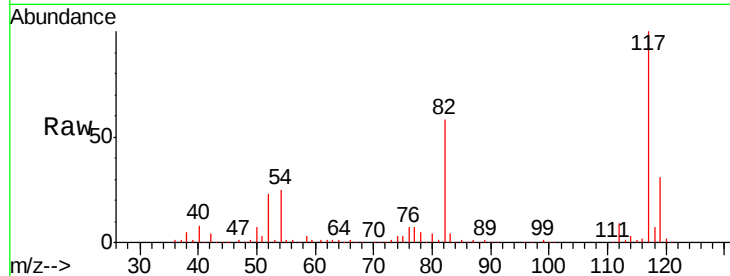




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

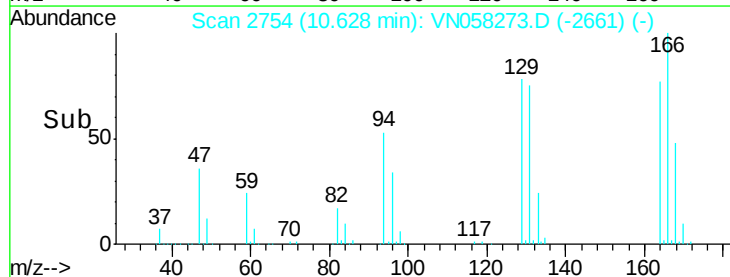
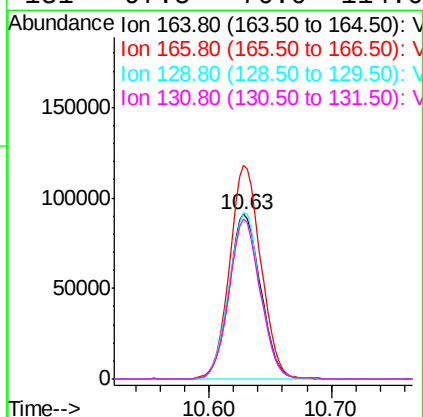
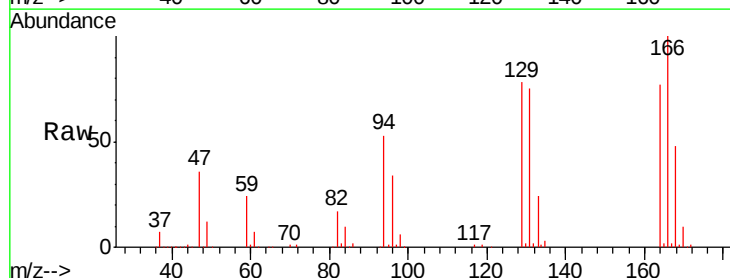
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

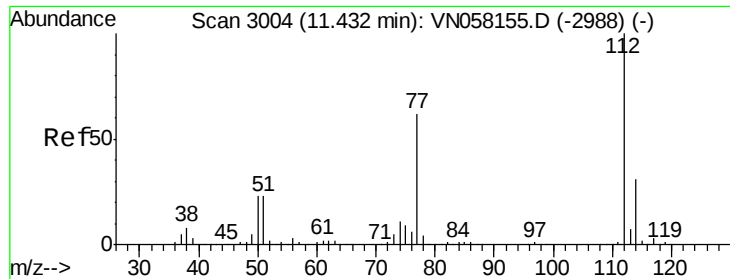
Tgt Ion:117 Resp: 711038
Ion Ratio Lower Upper
117 100
82 57.5 46.9 70.3
119 31.0 25.3 37.9



#64
Tetrachloroethene
Concen: 47.562 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion:164 Resp: 164855
Ion Ratio Lower Upper
164 100
166 129.6 102.2 153.4
129 101.1 79.6 119.4
131 97.5 76.0 114.0

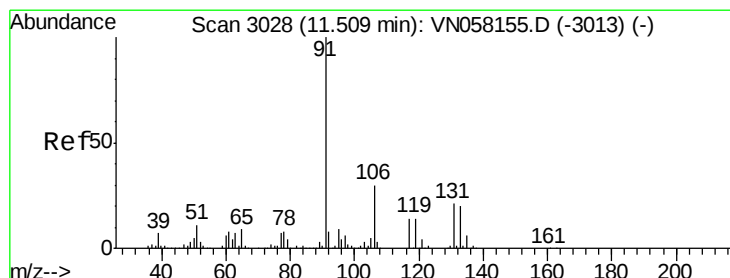
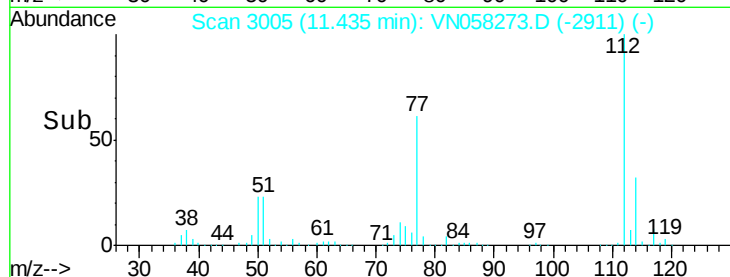
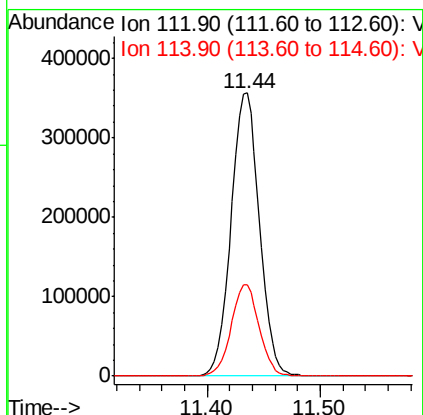
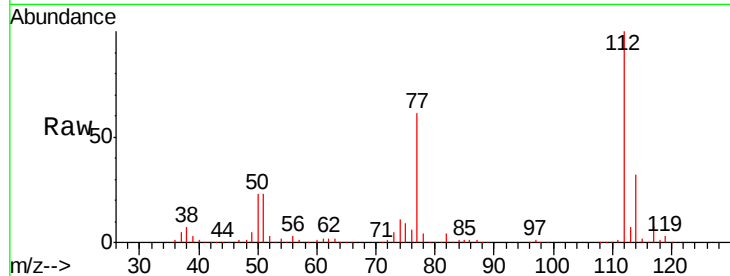




#65
Chlorobenzene
Concen: 49.717 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

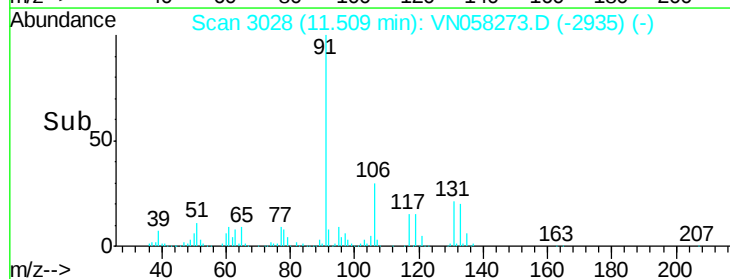
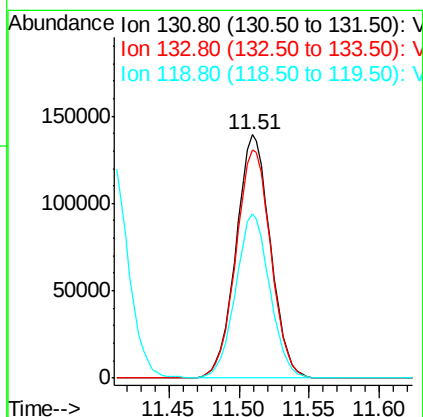
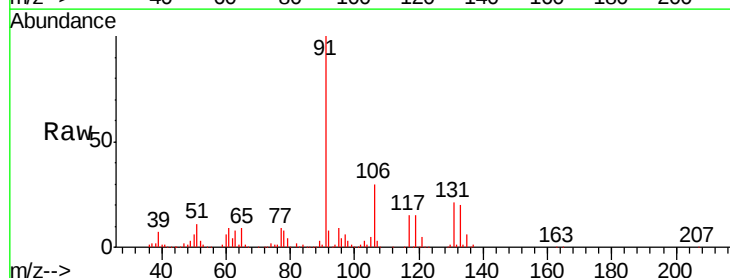
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

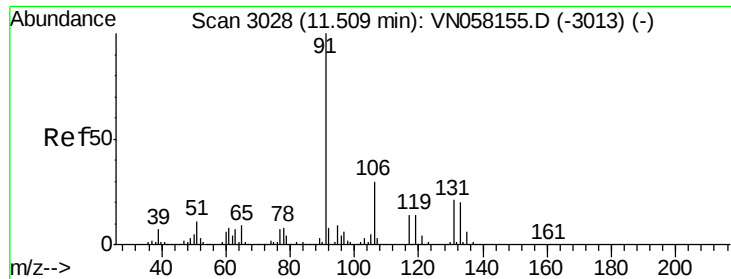
Tgt Ion:112 Resp: 621790
Ion Ratio Lower Upper
112 100
114 32.3 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 52.452 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion:131 Resp: 237869
Ion Ratio Lower Upper
131 100
133 95.4 47.8 143.3
119 67.2 33.1 99.3

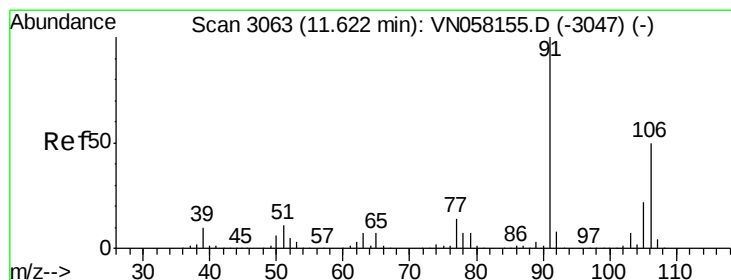
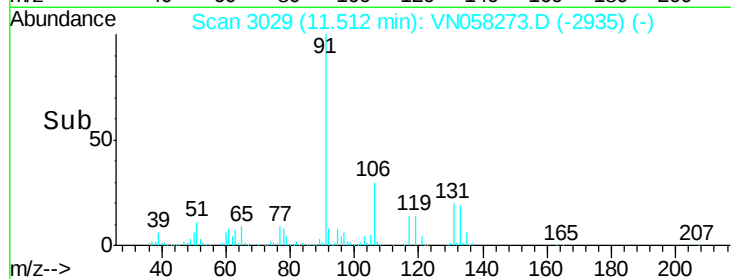
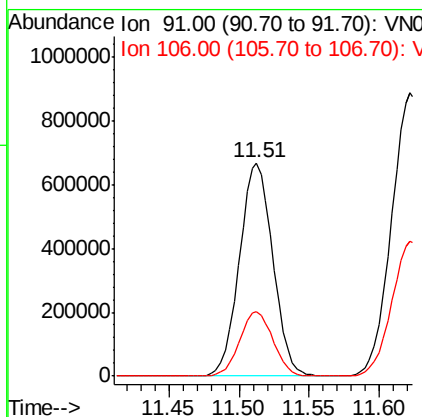
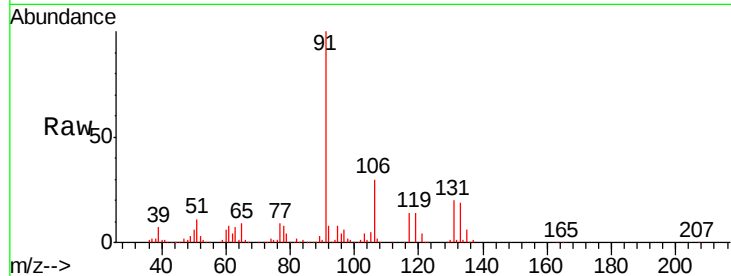




#67
Ethyl Benzene
Concen: 51.666 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

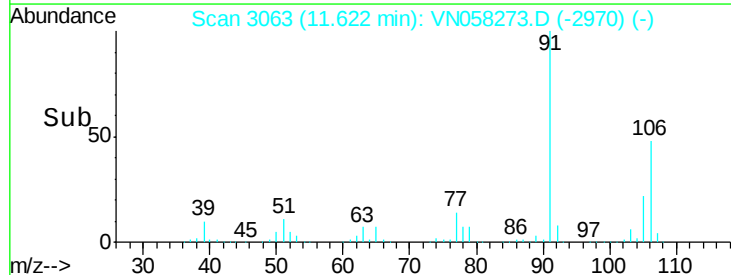
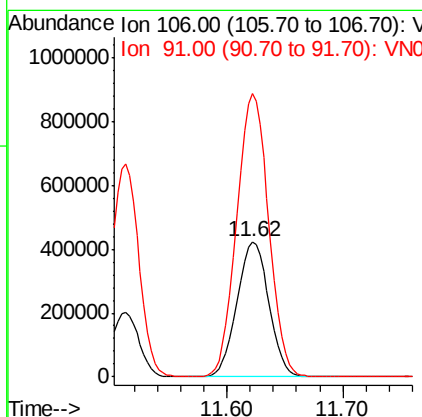
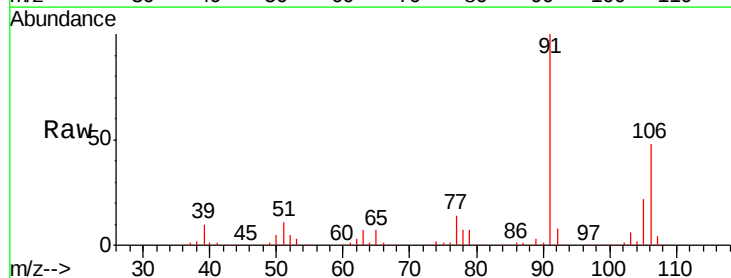
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

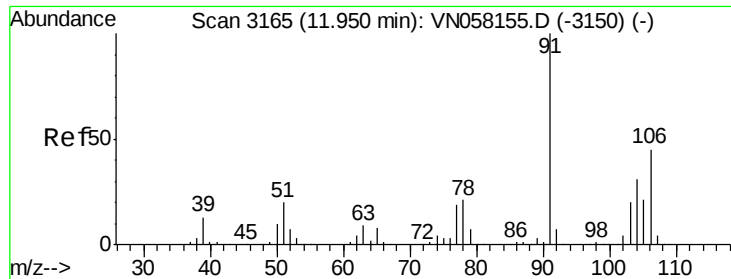
Tgt Ion: 91 Resp: 1107193
Ion Ratio Lower Upper
91 100
106 30.4 24.0 36.0



#68
m/p-Xylenes
Concen: 99.747 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion: 106 Resp: 805075
Ion Ratio Lower Upper
106 100
91 209.9 163.6 245.4

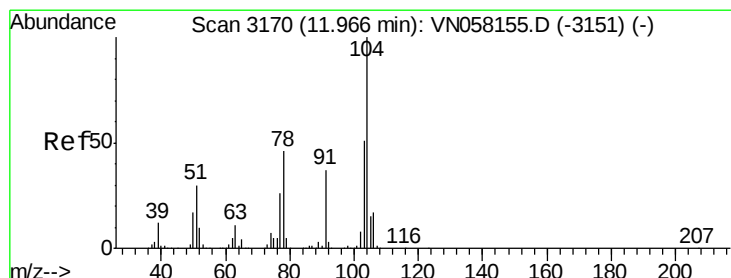
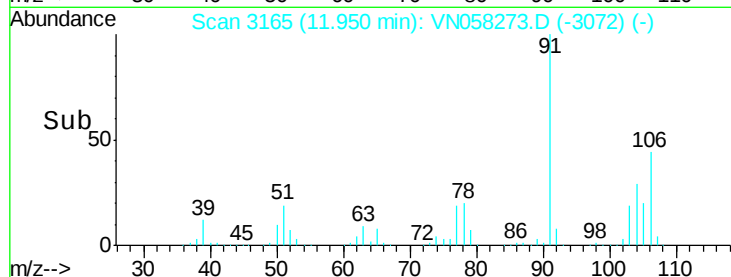
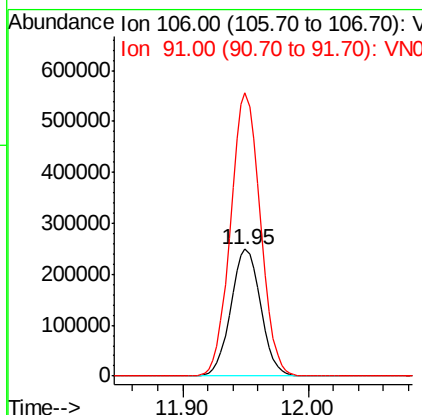
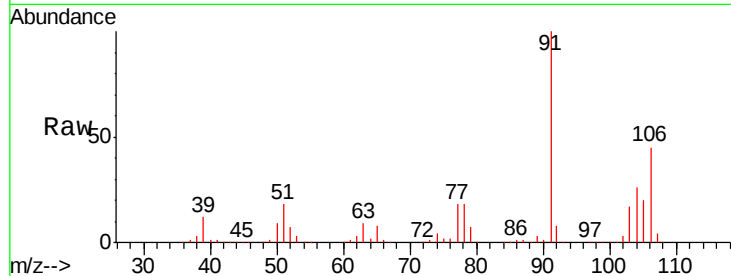




#69
o-Xylene
Concen: 51.729 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

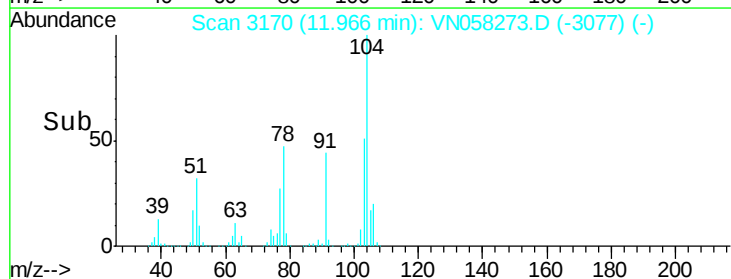
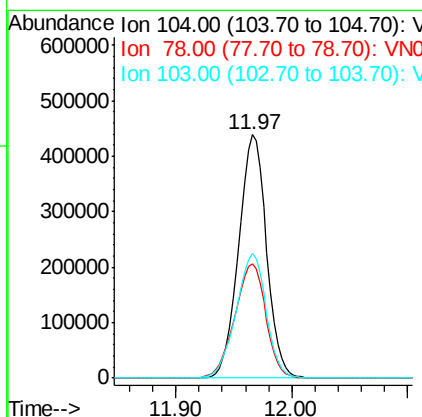
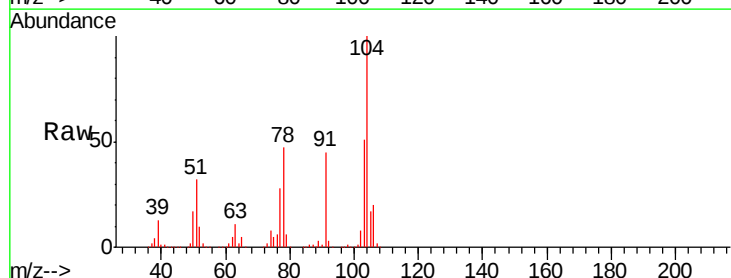
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

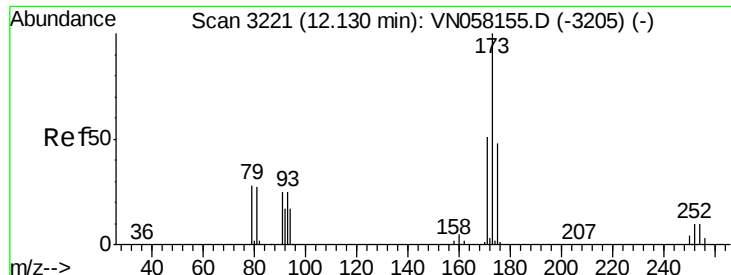
Tgt Ion:106 Resp: 410538
Ion Ratio Lower Upper
106 100
91 222.7 111.8 335.3



#70
Styrene
Concen: 53.474 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion:104 Resp: 731215
Ion Ratio Lower Upper
104 100
78 52.4 41.8 62.8
103 55.2 44.2 66.2

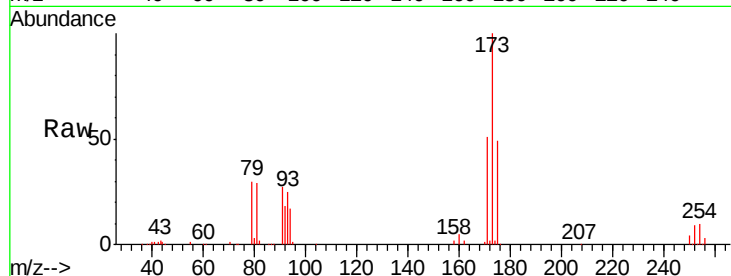




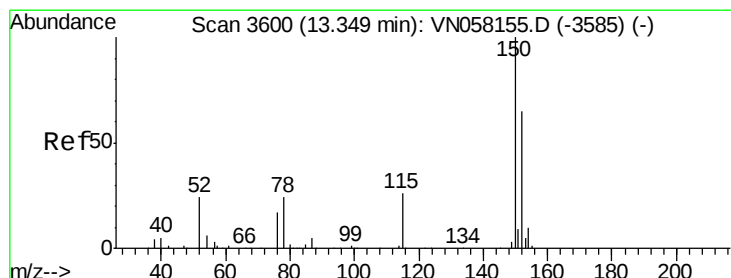
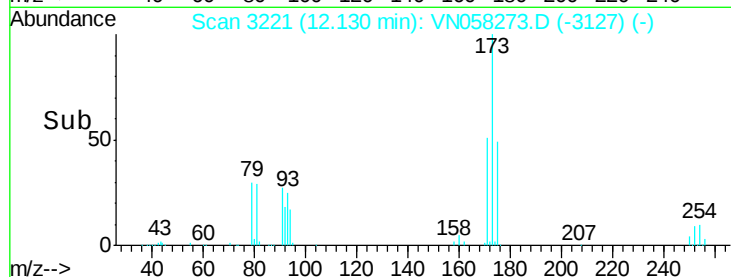
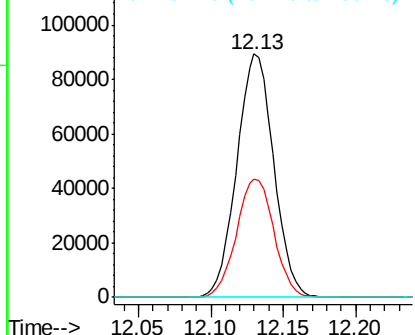
#71
Bromoform
Concen: 47.246 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 158133
Ion Ratio Lower Upper
173 100
175 49.2 24.2 72.6
254 0.1 0.1 0.1#

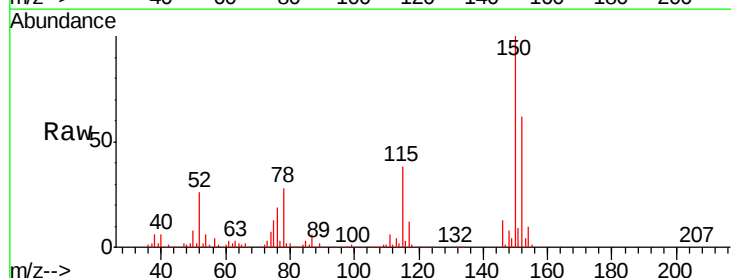


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

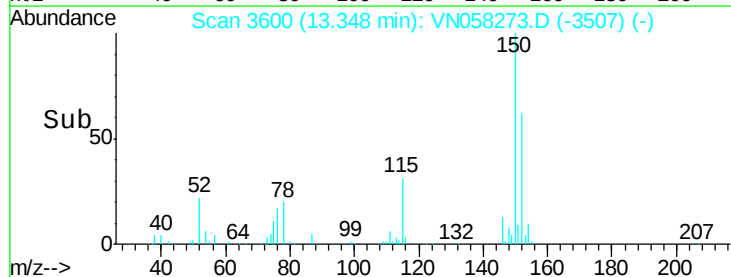
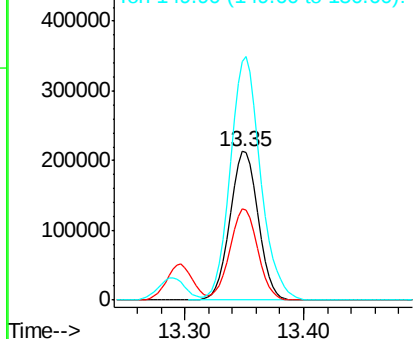


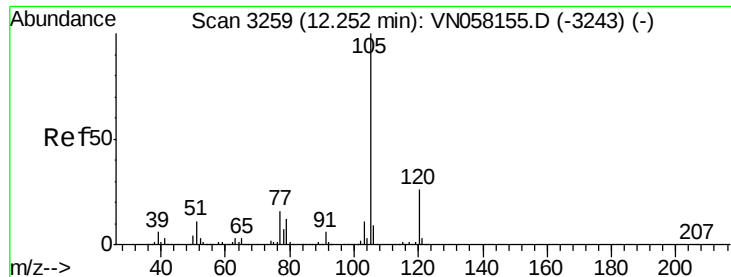
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion:152 Resp: 351486
Ion Ratio Lower Upper
152 100
115 60.8 30.1 90.3
150 173.9 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: 52.719 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

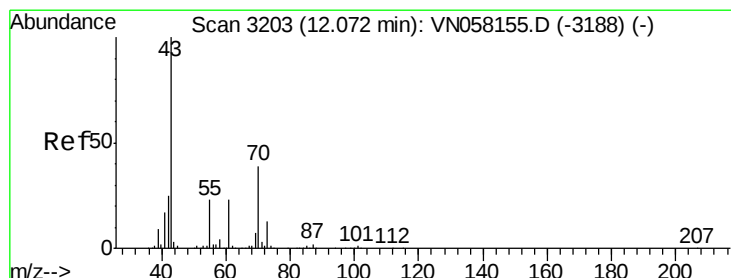
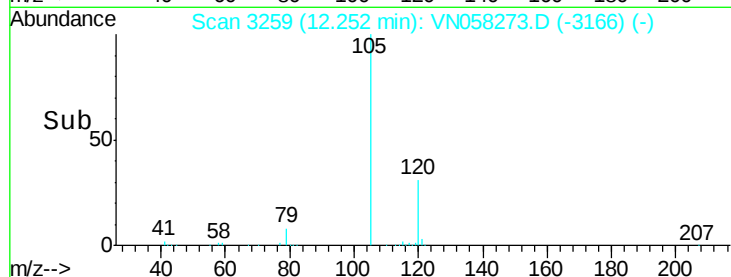
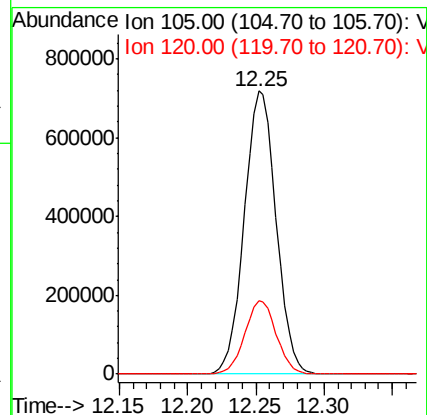
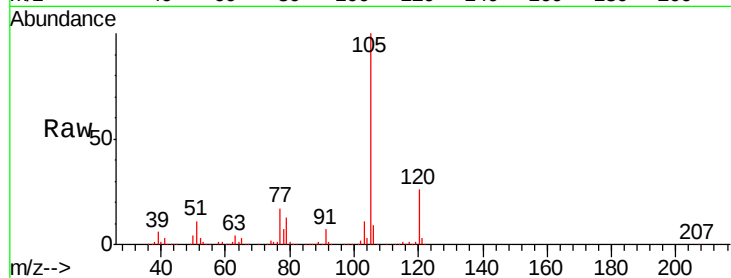
VSTDCCC050EC

Tgt Ion: 105 Resp: 1159854

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.3



#74

N-ethyl acetate

Concen: 56.096 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Tgt Ion: 43 Resp: 516302

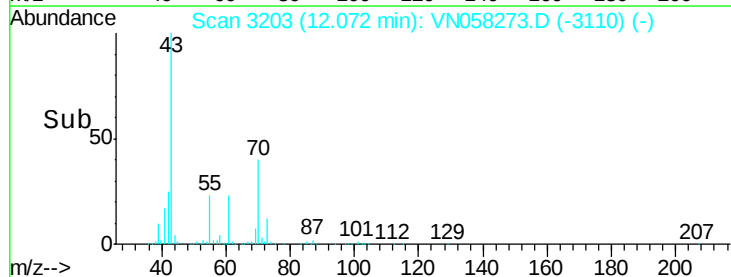
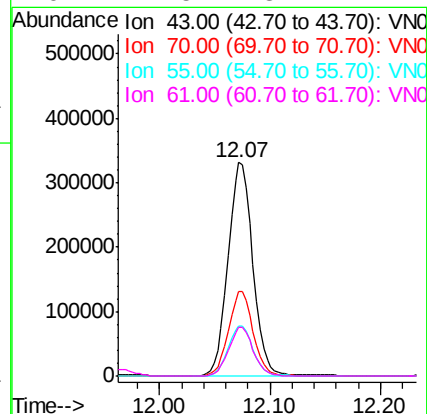
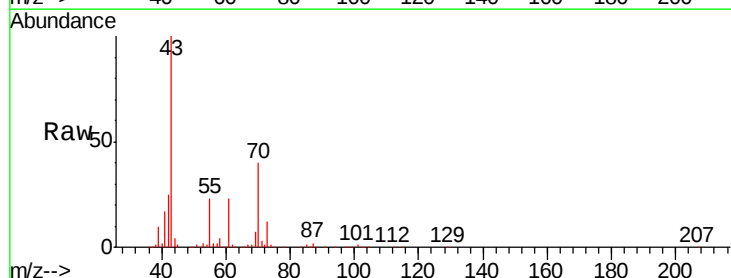
Ion Ratio Lower Upper

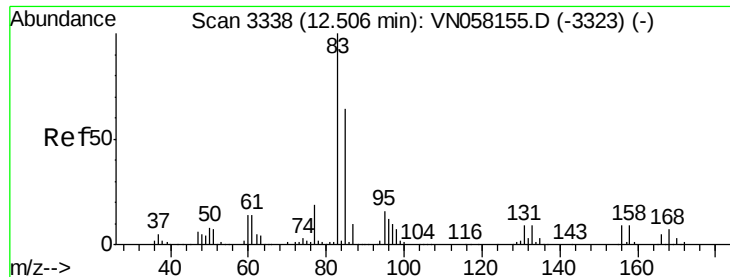
43 100

70 39.4 31.0 46.6

55 23.9 18.5 27.7

61 22.5 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 54.959 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

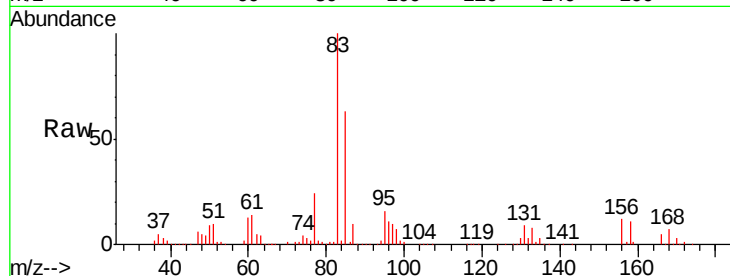
Tgt Ion: 83 Resp: 404911

Ion Ratio Lower Upper

83 100

131 9.4 4.8 14.3

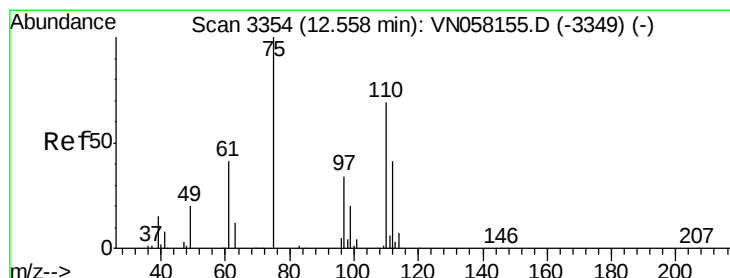
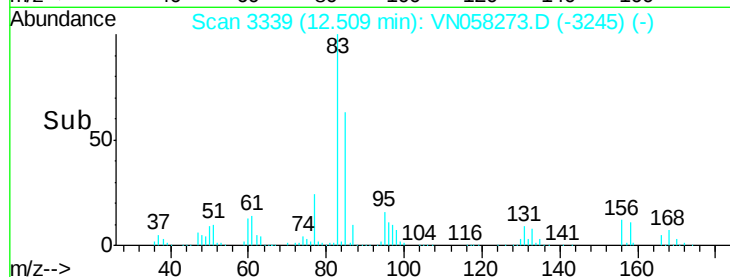
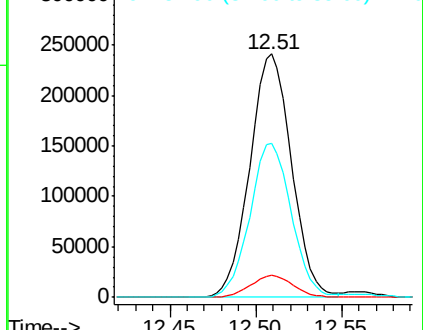
85 62.9 31.9 95.5



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: 74.454 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058273.D

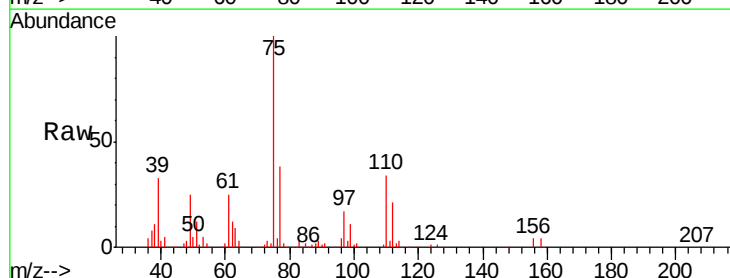
Acq: 20 Sep 2019 23:42

Tgt Ion: 75 Resp: 468353

Ion Ratio Lower Upper

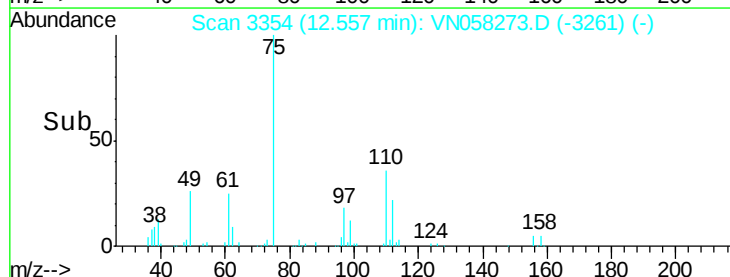
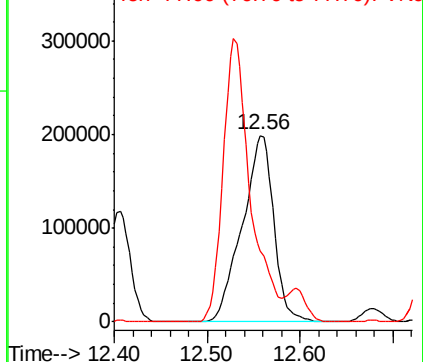
75 100

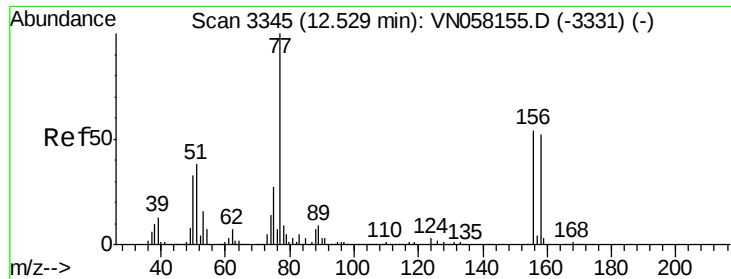
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 49.141 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

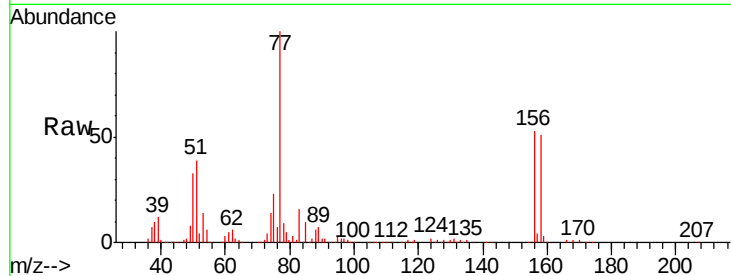
Tgt Ion:156 Resp: 271955

Ion Ratio Lower Upper

156 100

77 227.4 111.7 335.1

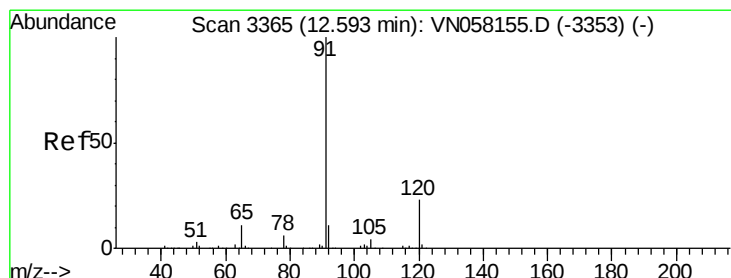
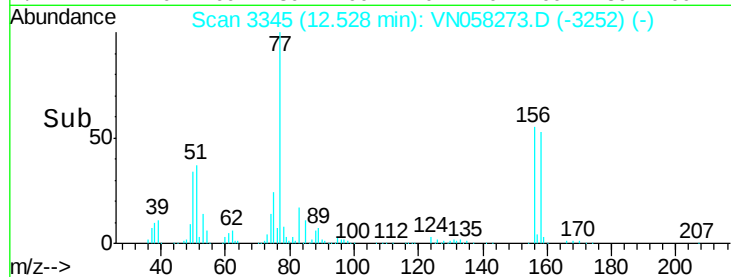
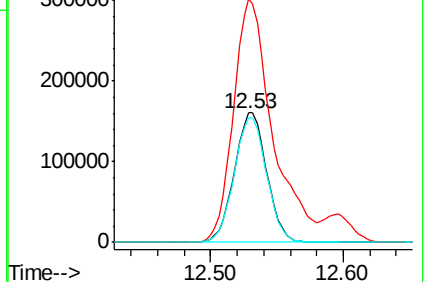
158 96.5 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.409 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058273.D

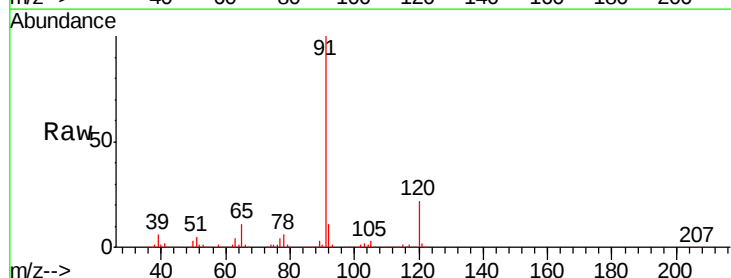
Acq: 20 Sep 2019 23:42

Tgt Ion: 91 Resp: 1360262

Ion Ratio Lower Upper

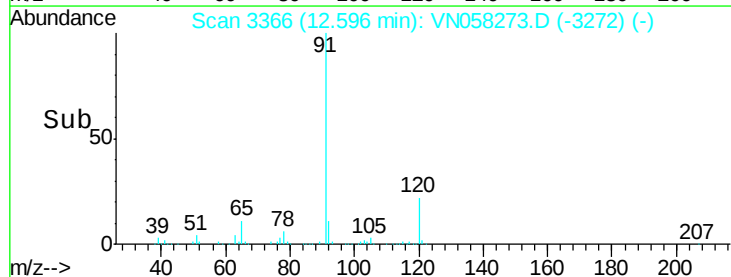
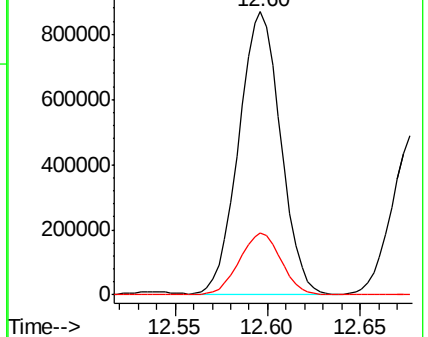
91 100

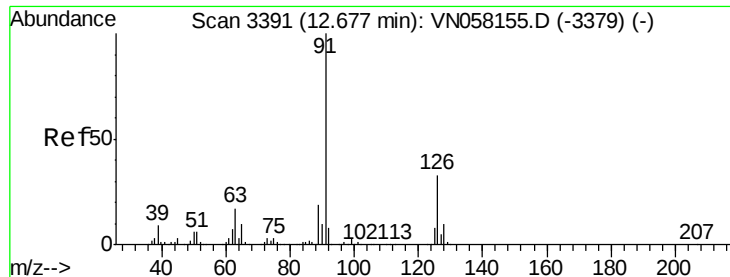
120 21.9 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.365 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

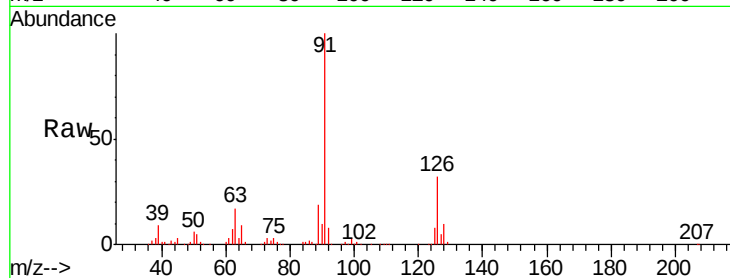
VSTDCCC050EC

Tgt Ion: 91 Resp: 818180

Ion Ratio Lower Upper

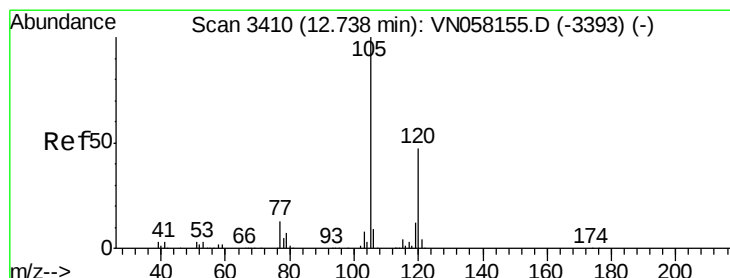
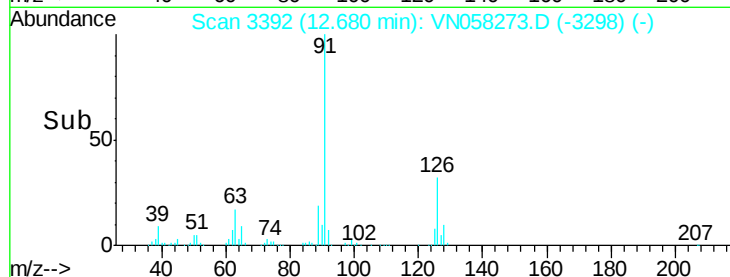
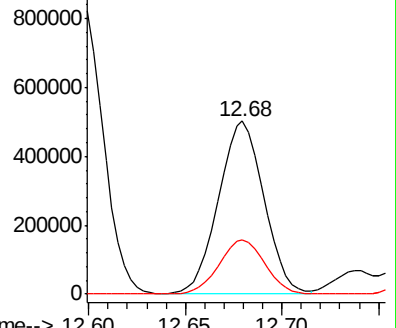
91 100

126 31.9 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) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.963 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058273.D

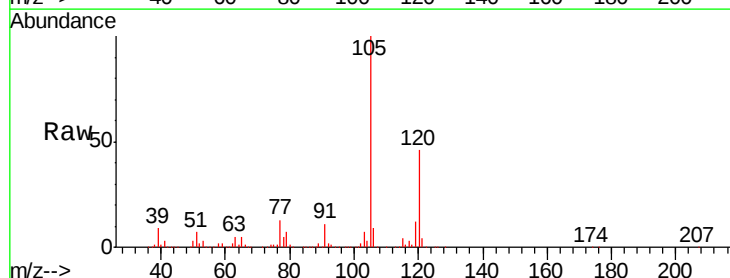
Acq: 20 Sep 2019 23:42

Tgt Ion: 105 Resp: 1003950

Ion Ratio Lower Upper

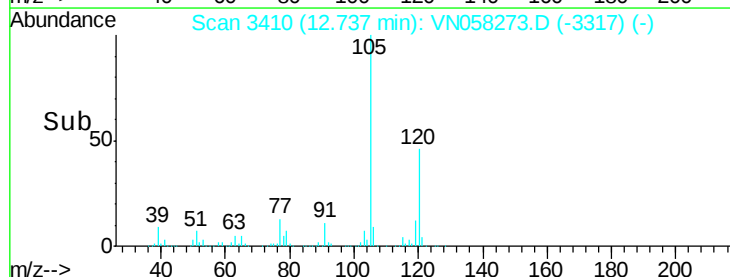
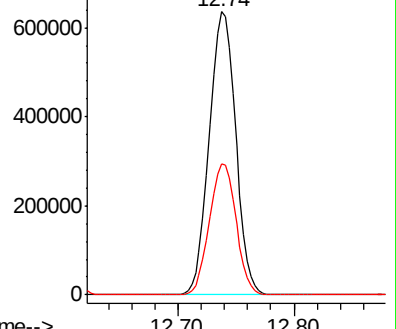
105 100

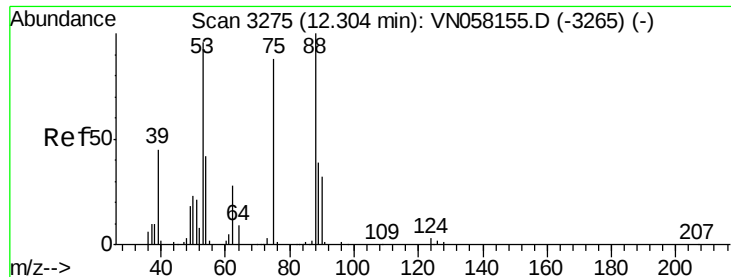
120 46.9 23.4 70.0



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 44.468 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

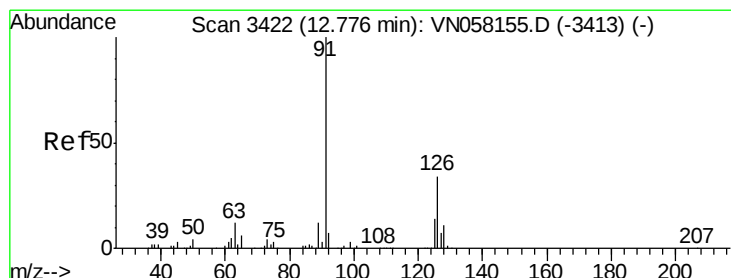
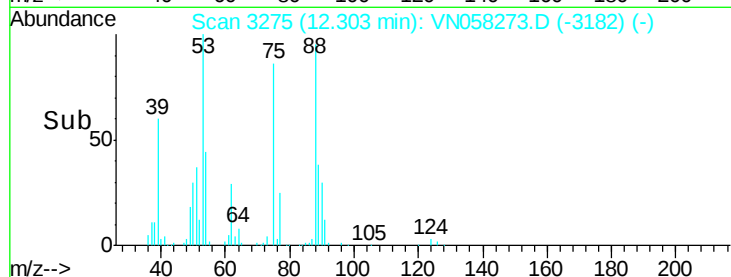
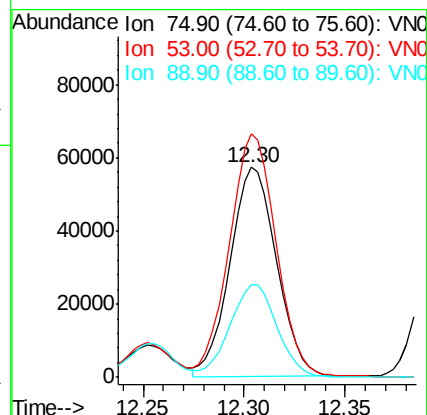
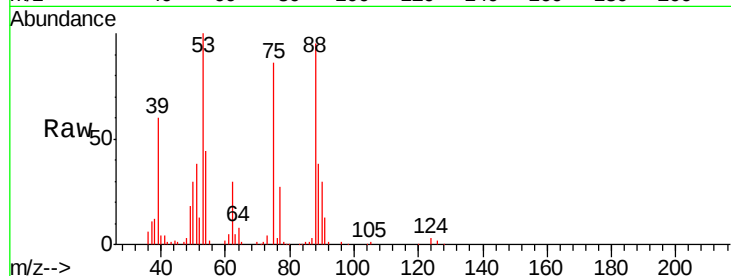
Tgt Ion: 75 Resp: 92457

Ion Ratio Lower Upper

75 100

53 117.7 90.1 135.1

89 45.2 36.2 54.2



#82

4-Chlorotoluene

Concen: 51.882 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058273.D

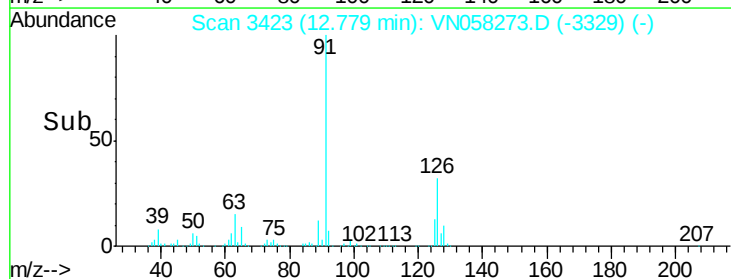
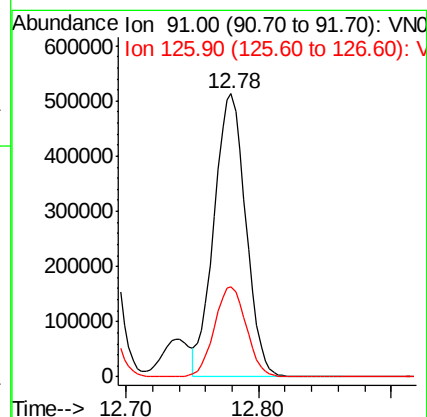
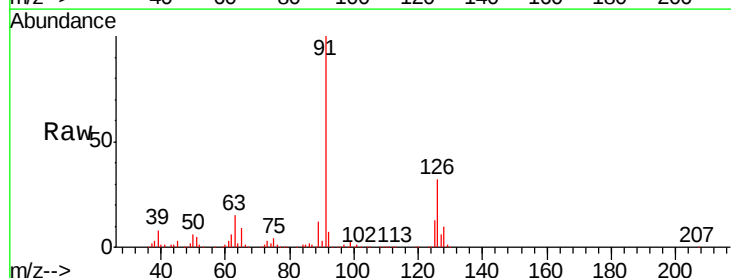
Acq: 20 Sep 2019 23:42

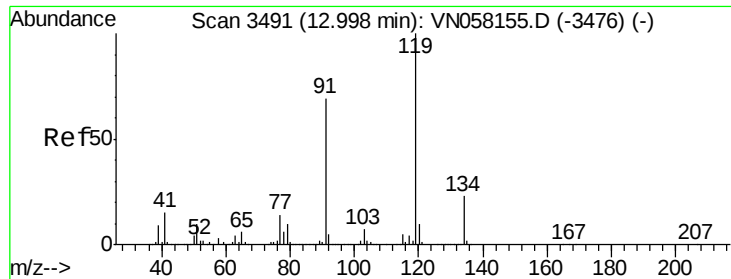
Tgt Ion: 91 Resp: 852117

Ion Ratio Lower Upper

91 100

126 31.9 15.7 47.1

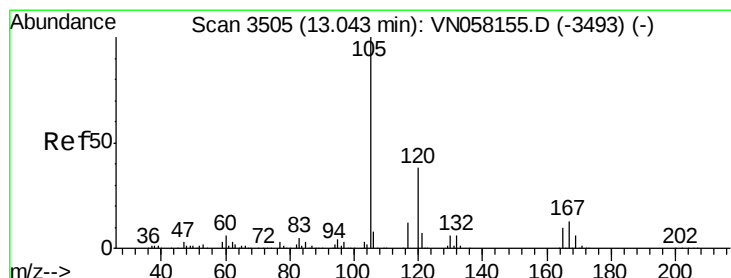
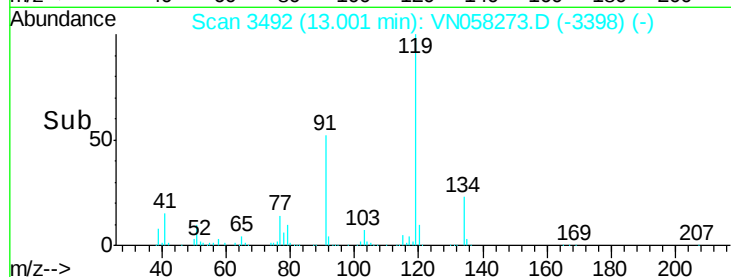
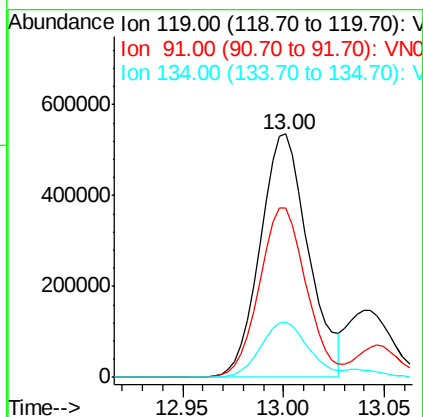
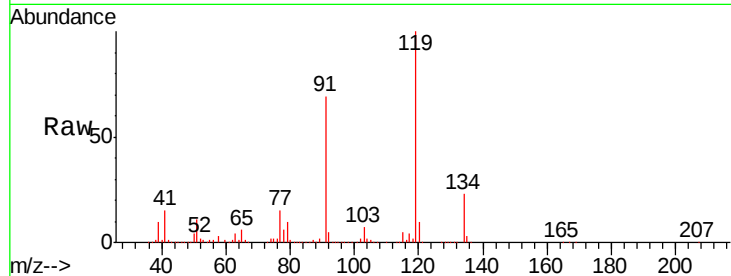




#83
 tert-Butylbenzene
 Concen: 53.688 ug/l
 RT: 13.00 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

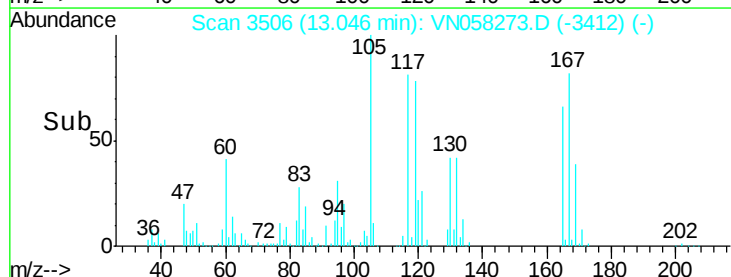
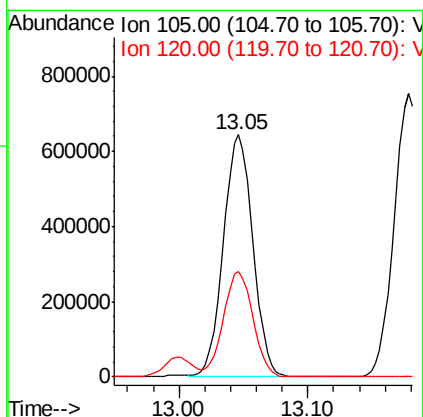
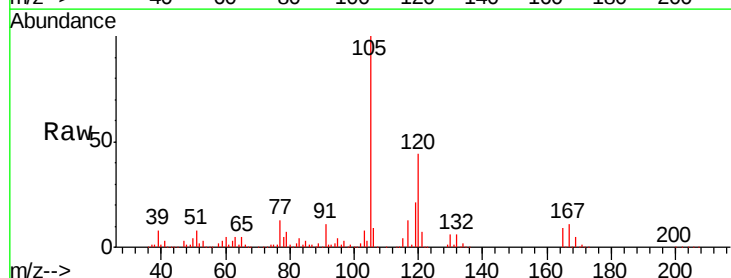
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

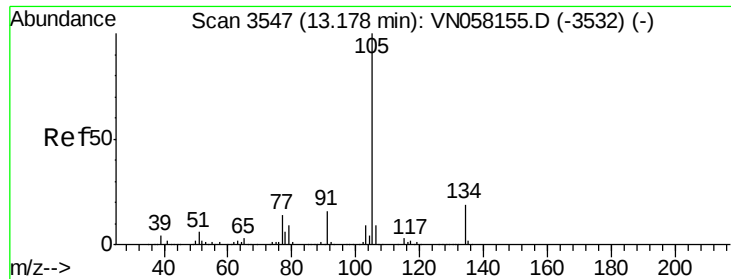
Tgt Ion:119 Resp: 890733
 Ion Ratio Lower Upper
 119 100
 91 67.4 33.8 101.3
 134 22.5 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 54.998 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

Tgt Ion:105 Resp: 1018253
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.1 66.5

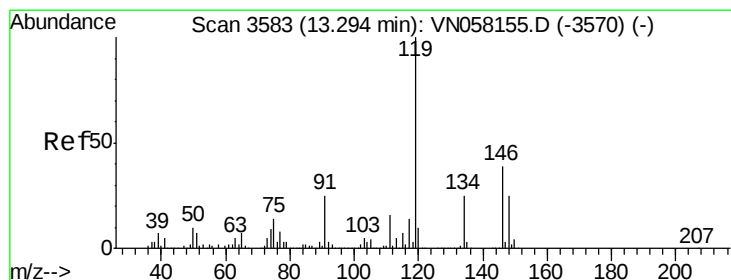
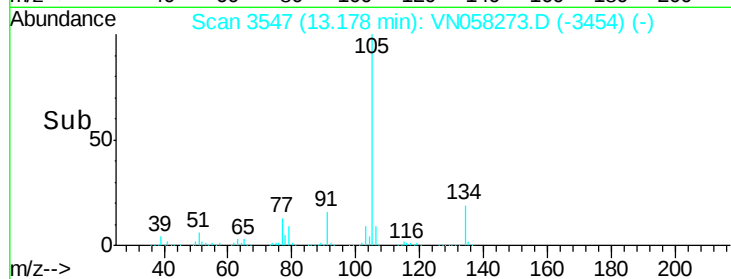
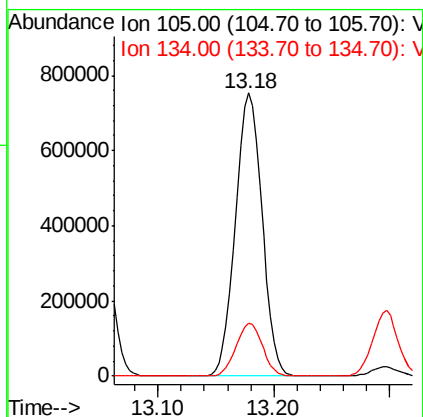
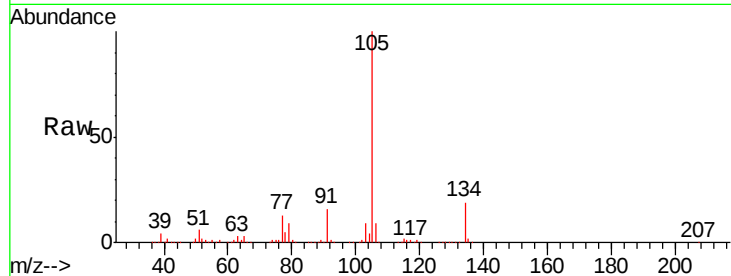




#85
 sec-Butylbenzene
 Concen: 55.004 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

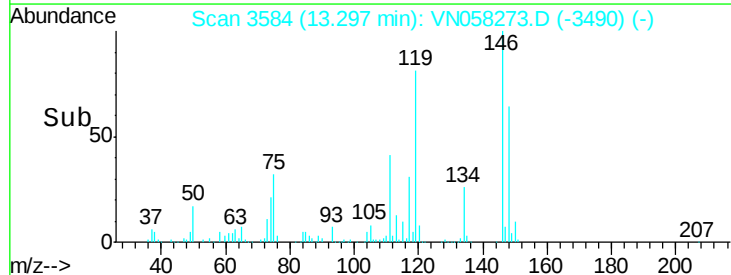
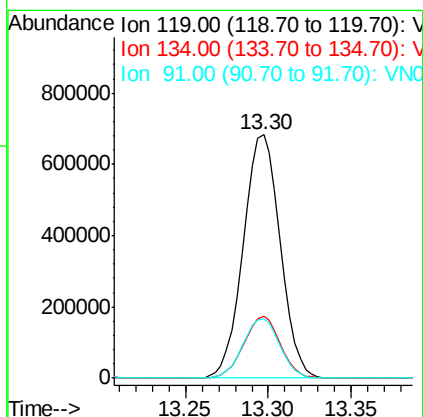
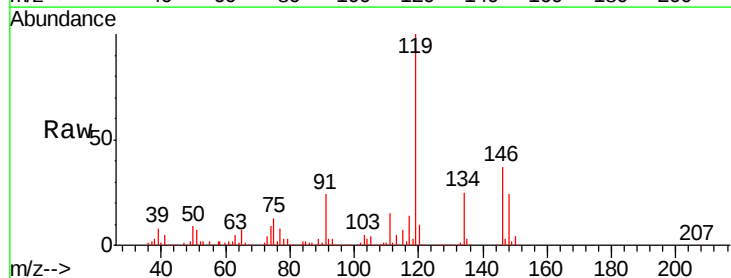
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

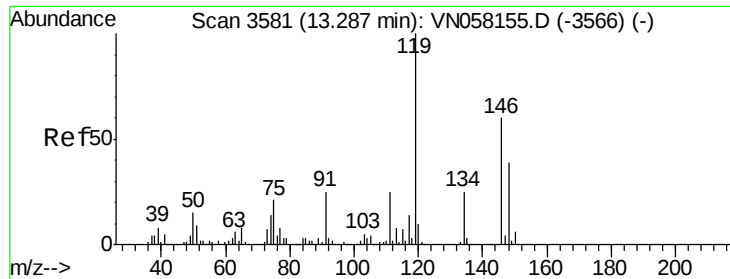
Tgt Ion:105 Resp: 1193324
 Ion Ratio Lower Upper
 105 100
 134 18.6 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 54.891 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

Tgt Ion:119 Resp: 1058710
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.7 38.0
 91 24.5 12.3 36.8

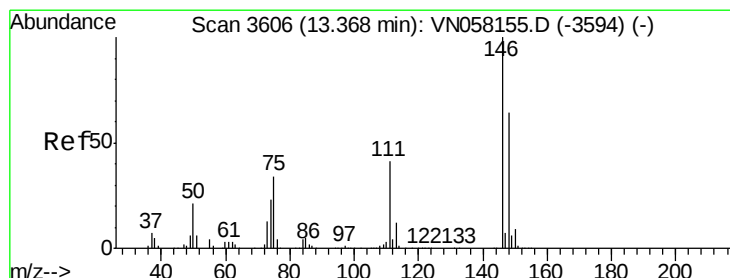
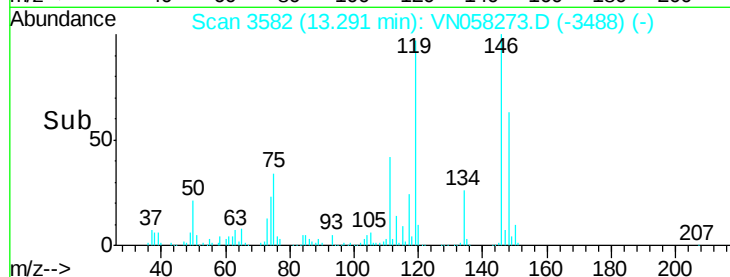
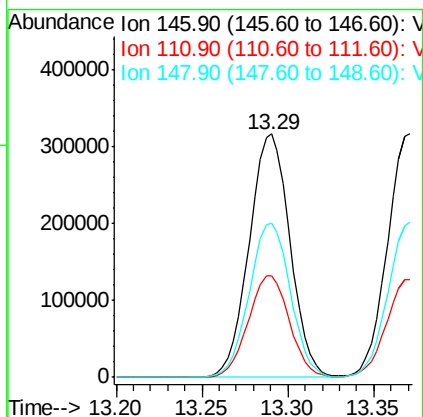
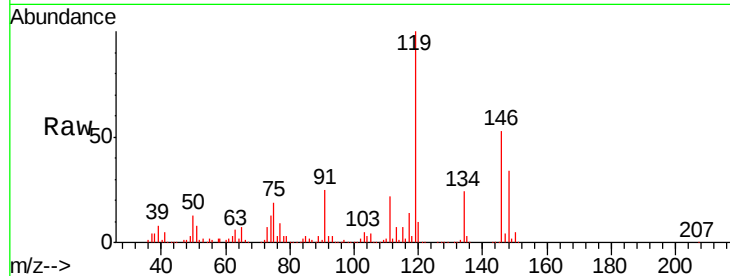




#87
 1,3-Dichlorobenzene
 Concen: 51.624 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

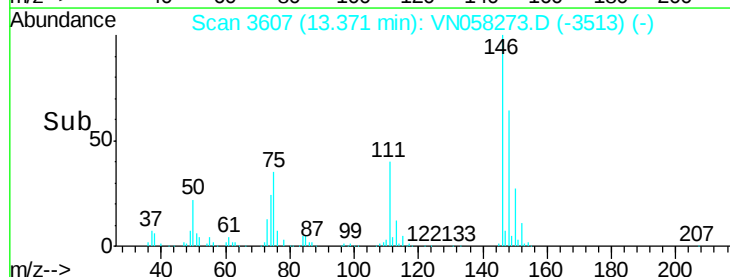
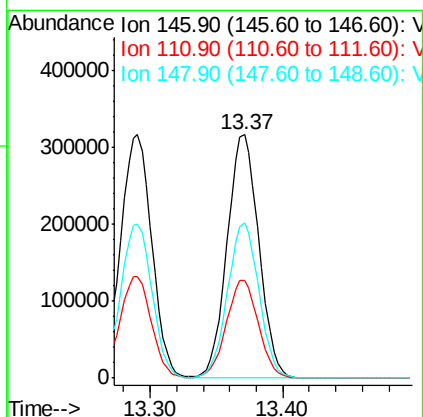
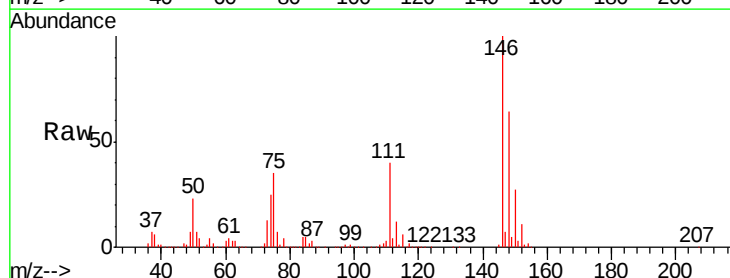
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

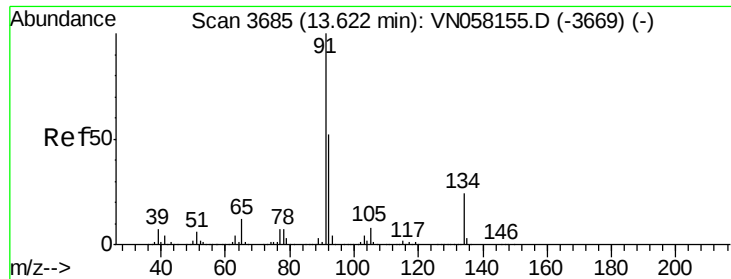
Tgt Ion:146 Resp: 521814
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.9 62.8
 148 63.7 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 50.875 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

Tgt Ion:146 Resp: 525003
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.5 61.5
 148 63.5 31.9 95.5





#89

n-Butylbenzene

Concen: 53.291 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

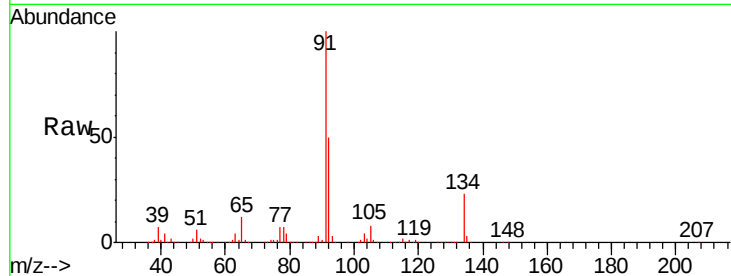
Tgt Ion: 91 Resp: 974490

Ion Ratio Lower Upper

91 100

92 51.3 25.7 77.0

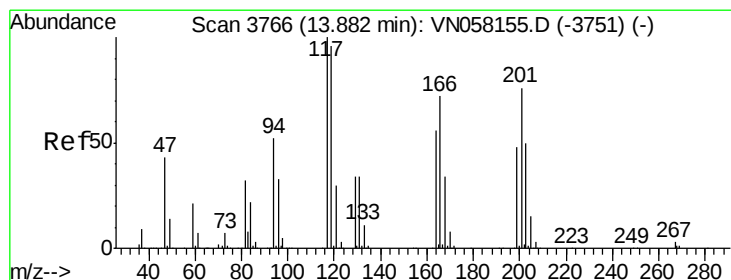
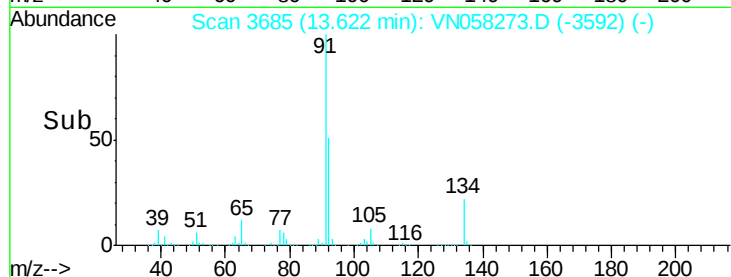
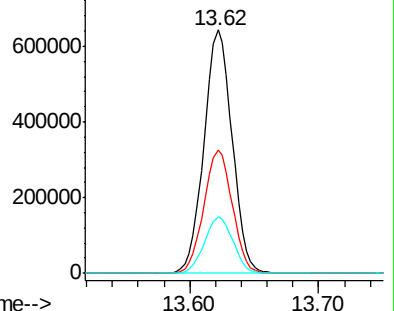
134 23.5 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN058273.D (-3592) (-)

Ion 92.00 (91.70 to 92.70): VN058273.D (-3592) (-)

Ion 134.00 (133.70 to 134.70): VN058273.D (-3592) (-)



#90

Hexachloroethane

Concen: 49.988 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058273.D

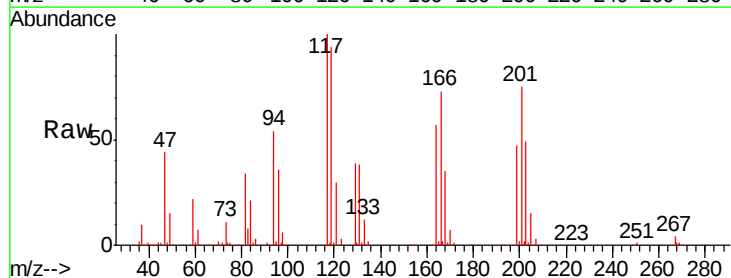
Acq: 20 Sep 2019 23:42

Tgt Ion: 117 Resp: 169067

Ion Ratio Lower Upper

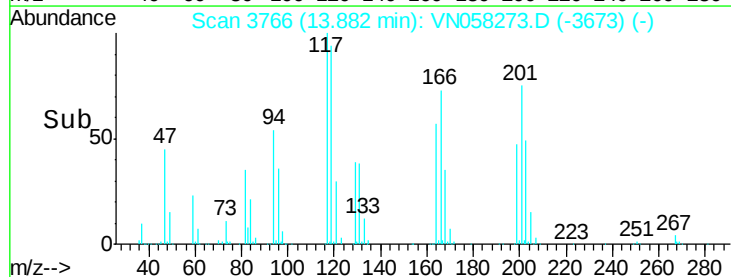
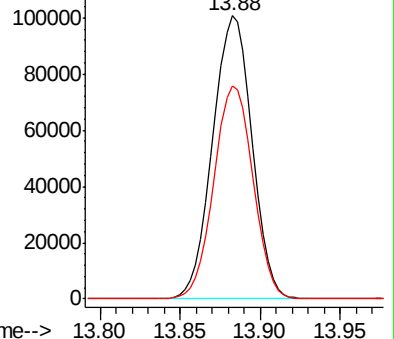
117 100

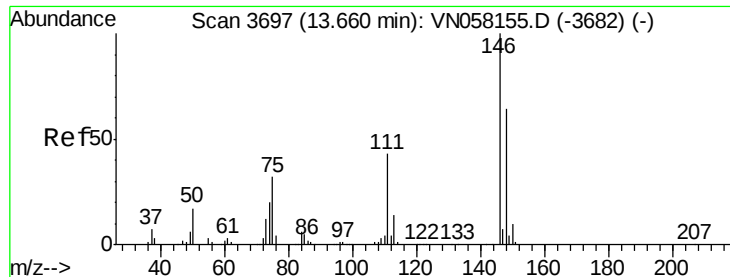
201 74.8 37.5 112.5



Abundance Ion 116.80 (116.50 to 117.50): VN058273.D (-3673) (-)

Ion 200.70 (200.40 to 201.40): VN058273.D (-3673) (-)





#91

1,2-Dichlorobenzene

Concen: 51.999 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

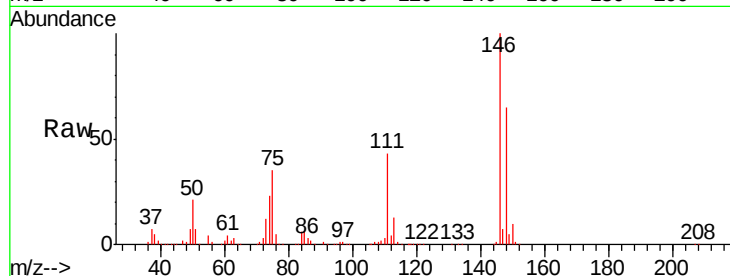
Tgt Ion:146 Resp: 527237

Ion Ratio Lower Upper

146 100

111 43.2 21.1 63.1

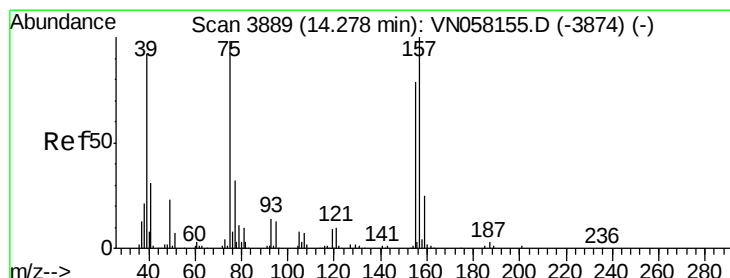
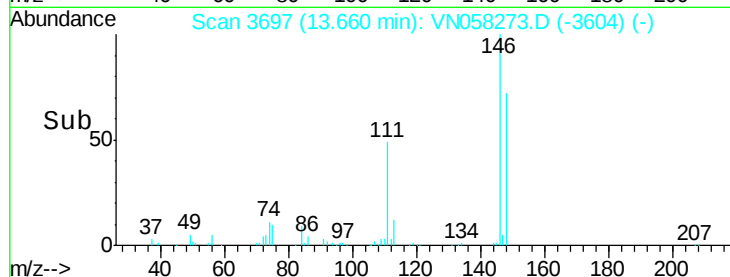
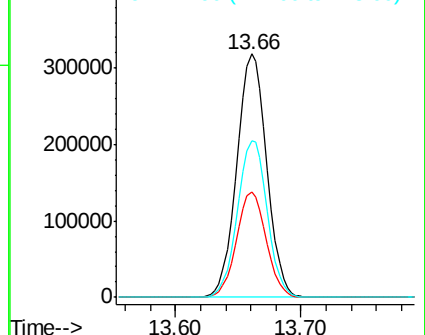
148 64.3 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.816 ug/l

RT: 14.28 min Scan# 3890

Delta R.T. 0.00 min

Lab File: VN058273.D

Acq: 20 Sep 2019 23:42

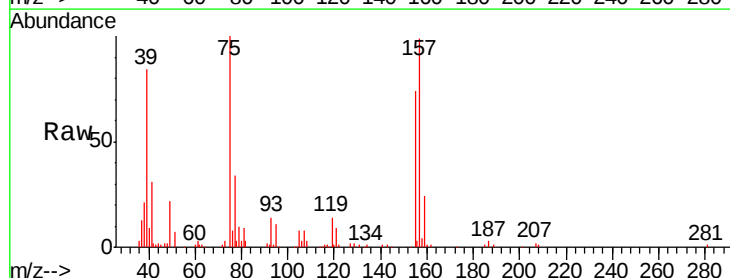
Tgt Ion: 75 Resp: 72707

Ion Ratio Lower Upper

75 100

155 73.7 38.3 114.8

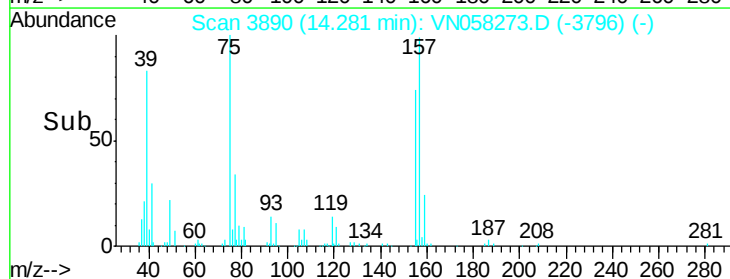
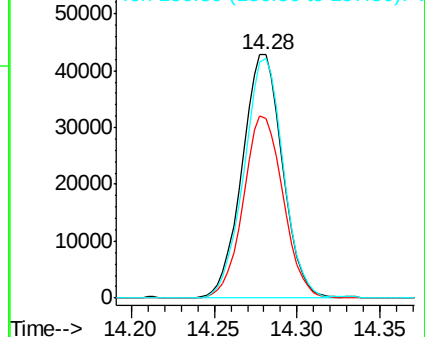
157 96.3 48.0 144.0



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

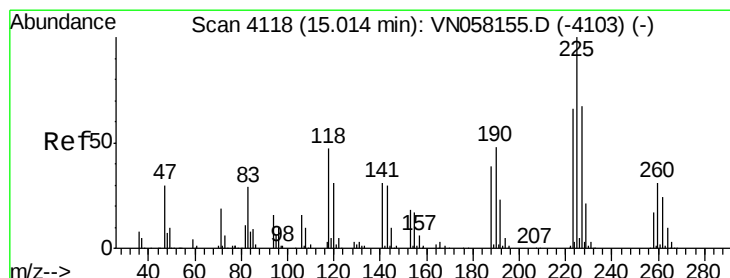
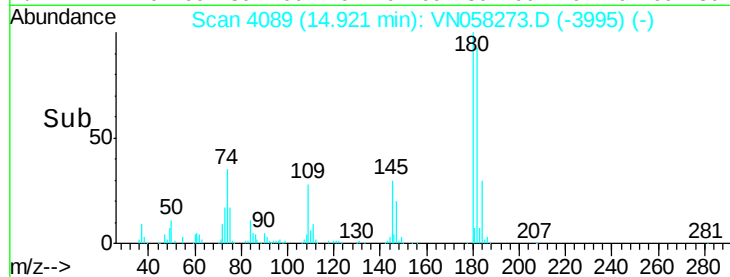
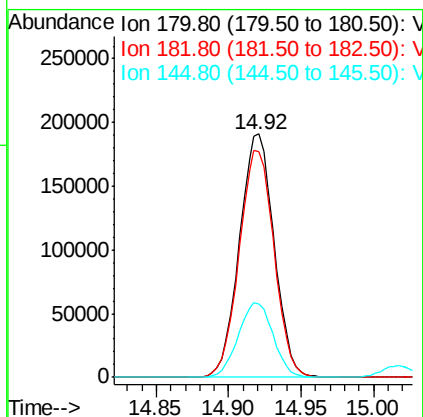
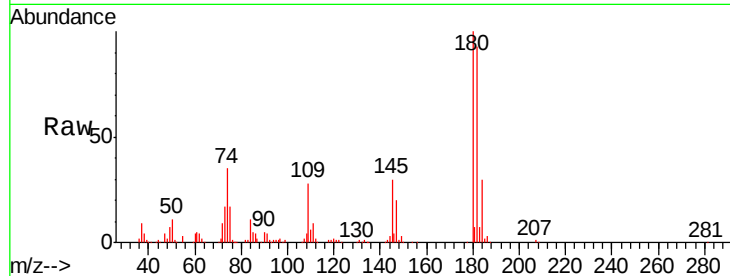




#93
 1,2,4-Trichlorobenzene
 Concen: 48.840 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

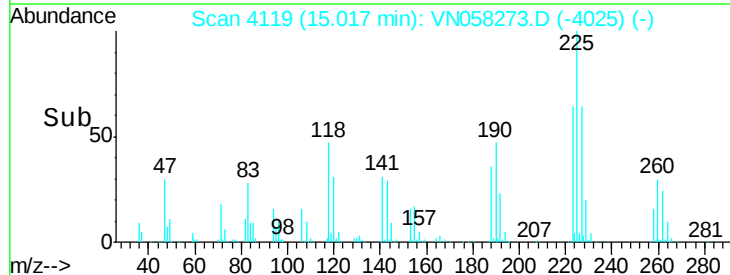
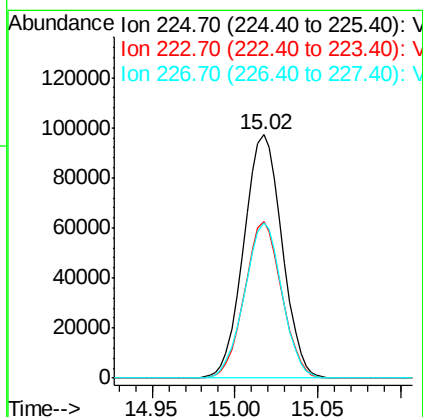
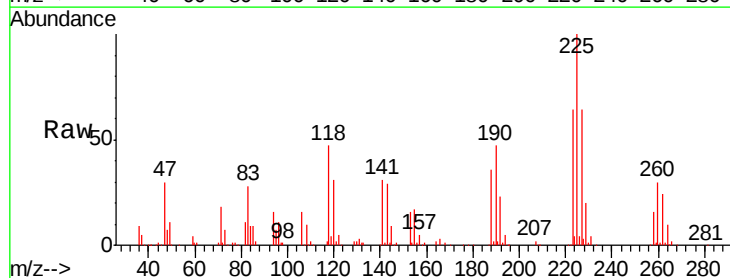
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

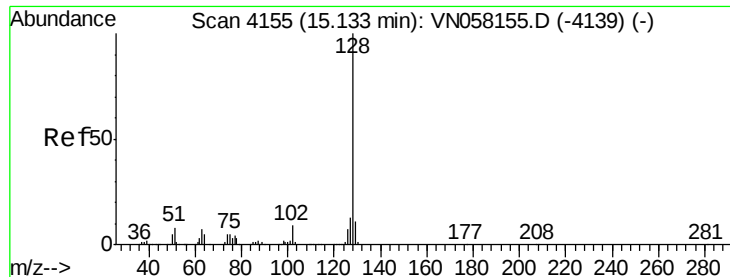
Tgt Ion:180 Resp: 316402
 Ion Ratio Lower Upper
 180 100
 182 93.9 47.8 143.3
 145 31.0 15.4 46.4



#94
 Hexachlorobutadiene
 Concen: 49.812 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058273.D
 Acq: 20 Sep 2019 23:42

Tgt Ion:225 Resp: 155970
 Ion Ratio Lower Upper
 225 100
 223 62.2 32.6 97.7
 227 62.5 33.0 99.0

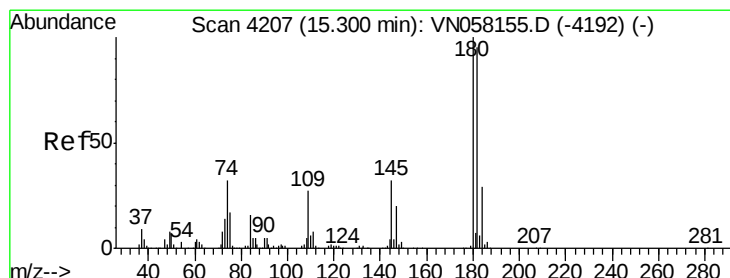
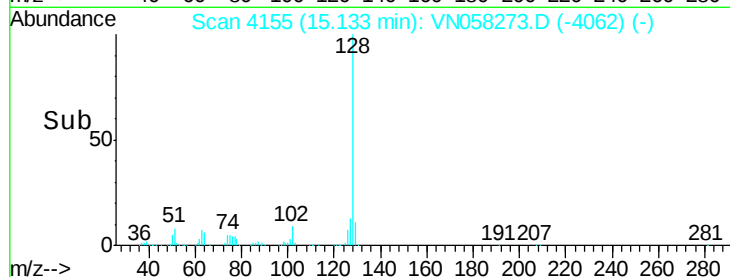
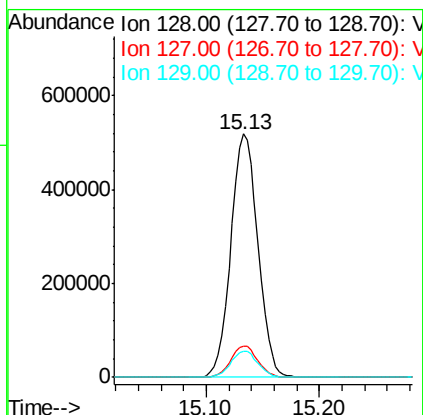
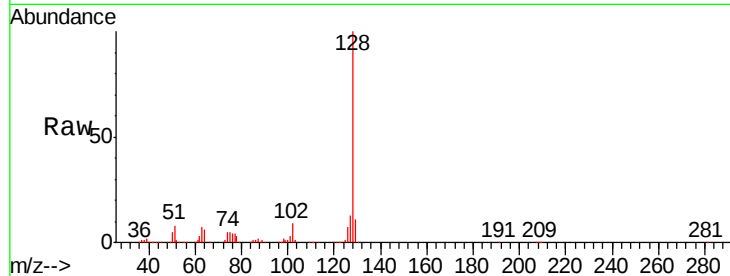




#95
Naphthalene
Concen: 51.447 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 863741
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 49.060 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058273.D
Acq: 20 Sep 2019 23:42

Tgt Ion:180 Resp: 300404
Ion Ratio Lower Upper
180 100
182 95.4 47.4 142.2
145 32.0 16.1 48.2

