

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032819\
 Data File : VN054733.D
 Acq On : 28 Mar 2019 10:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 29 05:00:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	464043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	727785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	641282	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	286373	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	283858	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
35) Dibromofluoromethane	7.59	113	229945	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	
50) Toluene-d8	10.09	98	847790	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
62) 4-Bromofluorobenzene	12.40	95	302484	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	253479	57.140	ug/l	98
3) Chloromethane	2.06	50	337965	55.994	ug/l	99
4) Vinyl Chloride	2.19	62	301761	49.797	ug/l	99
5) Bromomethane	2.57	94	180668	46.107	ug/l	98
6) Chloroethane	2.71	64	162987	44.842	ug/l	99
7) Trichlorofluoromethane	3.02	101	373151	50.705	ug/l	100
8) Diethyl Ether	3.41	74	118429	41.843	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.75	101	199303	46.081	ug/l	93
10) Methyl Iodide	3.94	142	286068	44.964	ug/l #	87
11) Tert butyl alcohol	4.81	59	89334	255.644	ug/l	98
12) 1,1-Dichloroethene	3.73	96	189322	42.298	ug/l #	74
13) Acrolein	3.61	56	114772	237.998	ug/l	97
14) Allyl chloride	4.32	41	469893	55.751	ug/l #	90
15) Acrylonitrile	4.99	53	480479	276.104	ug/l	100
16) Acetone	3.82	43	596690	343.846	ug/l #	82
17) Carbon Disulfide	4.04	76	639514	53.325	ug/l	100
18) Methyl Acetate	4.33	43	209477	54.158	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	669520	51.255	ug/l	94
20) Methylene Chloride	4.54	84	264925	51.789	ug/l #	83
21) trans-1,2-Dichloroethene	5.04	96	252622	55.274	ug/l	85
22) Diisopropyl ether	5.96	45	934952	56.239	ug/l #	92
23) Vinyl Acetate	5.90	43	3412073	290.599	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	497404	55.568	ug/l	98
25) 2-Butanone	6.84	43	745352	335.296	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	367569	57.605	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	285961	52.456	ug/l	86
28) Bromochloromethane	7.19	49	224000	50.839	ug/l #	72
29) Tetrahydrofuran	7.22	42	400057	277.324	ug/l #	83
30) Chloroform	7.37	83	476933	54.596	ug/l	100
31) Cyclohexane	7.65	56	493174	57.787	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	399447	55.425	ug/l	95
36) 1,1-Dichloropropene	7.79	75	377560	55.484	ug/l	96
37) Ethyl Acetate	6.94	43	273564	56.523	ug/l #	94
38) Carbon Tetrachloride	7.77	117	348420	52.689	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	433738	55.722	ug/l	90
40) Benzene	8.04	78	1072649	55.124	ug/l	99
41) Methacrylonitrile	7.18	41	167228	56.657	ug/l #	84
42) 1,2-Dichloroethane	8.13	62	381280	53.804	ug/l	96
43) Isopropyl Acetate	8.17	43	461376	56.446	ug/l #	94
44) Trichloroethene	8.83	130	280870	51.917	ug/l	90
45) 1,2-Dichloropropane	9.12	63	303975	58.176	ug/l	100
46) Dibromomethane	9.21	93	168815	54.157	ug/l	90
47) Bromodichloromethane	9.40	83	369949	57.186	ug/l	98
48) Methyl methacrylate	9.20	41	229686	51.773	ug/l	89
49) 1,4-Dioxane	9.20	88	49153	991.052	ug/l #	84
51) 4-Methyl-2-Pentanone	9.99	43	1310574	289.313	ug/l	92
52) Toluene	10.16	92	654801	54.712	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	358910	52.477	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	438029	59.052	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	234256	54.452	ug/l	97
56) Ethyl methacrylate	10.43	69	319872	55.396	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	409689	54.783	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	592988	249.394	ug/l #	89
59) 2-Hexanone	10.75	43	957517	323.604	ug/l	90
60) Dibromochloromethane	10.90	129	257699	56.293	ug/l	100
61) 1,2-Dibromoethane	11.00	107	228668	53.765	ug/l	100
64) Tetrachloroethene	10.63	164	268141	50.410	ug/l	95
65) Chlorobenzene	11.43	112	687366	52.700	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	261239	55.802	ug/l	99
67) Ethyl Benzene	11.51	91	1255362	54.487	ug/l	97
68) m/p-Xylenes	11.62	106	926543	106.173	ug/l	94
69) o-Xylene	11.95	106	448029	52.570	ug/l	96
70) Styrene	11.96	104	754616	54.524	ug/l	97
71) Bromoform	12.13	173	158960	49.284	ug/l #	100
73) Isopropylbenzene	12.25	105	1195035	51.786	ug/l	98
74) N-amyl acetate	12.07	43	389013	58.628	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	285235	54.147	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	349545	76.919	ug/l #	100
77) Bromobenzene	12.53	156	290798	50.810	ug/l	84
78) n-propylbenzene	12.59	91	1364510	54.530	ug/l	96
79) 2-Chlorotoluene	12.67	91	811028	51.974	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	979165	51.772	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	68816	52.065	ug/l #	84
82) 4-Chlorotoluene	12.77	91	813011	53.751	ug/l	96
83) tert-Butylbenzene	12.99	119	825924	50.169	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	968591	52.193	ug/l	98
85) sec-Butylbenzene	13.17	105	1085318	52.884	ug/l	97
86) p-Isopropyltoluene	13.29	119	973596	53.027	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	501728	52.900	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	490680	53.173	ug/l	98
89) n-Butylbenzene	13.61	91	839201	58.454	ug/l	98
90) Hexachloroethane	13.87	117	164097	57.578	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	478628	52.101	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41062	53.144	ug/l	85

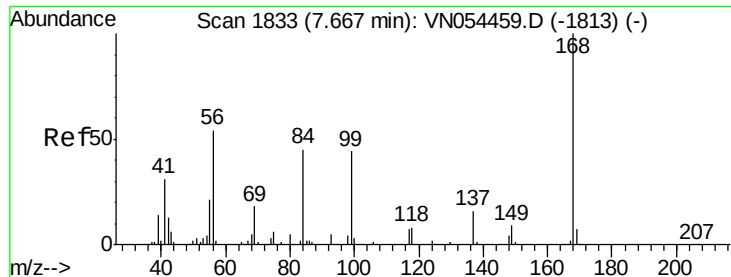
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	257375	56.201	ug/l	98
94) Hexachlorobutadiene	15.01	225	159472	62.604	ug/l	98
95) Naphthalene	15.13	128	550651	53.907	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	247296	54.257	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

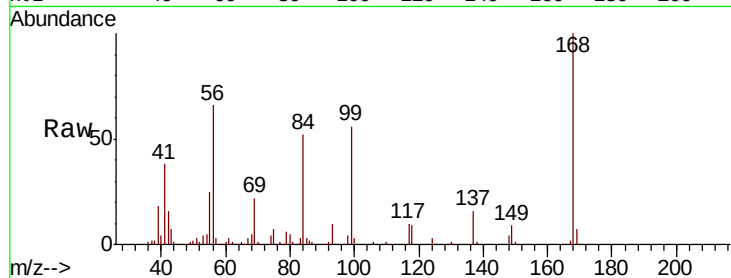
VSTDCCC050

Tot Ion:168 Resp: 464043

Ion Ratio Lower Upper

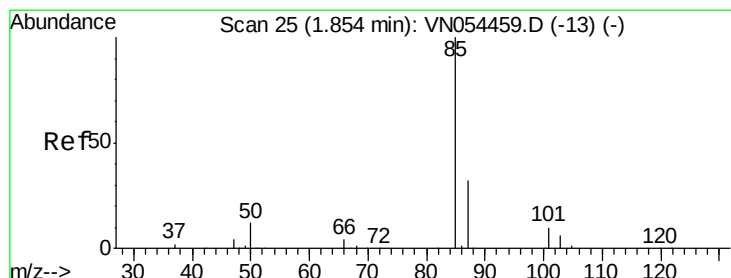
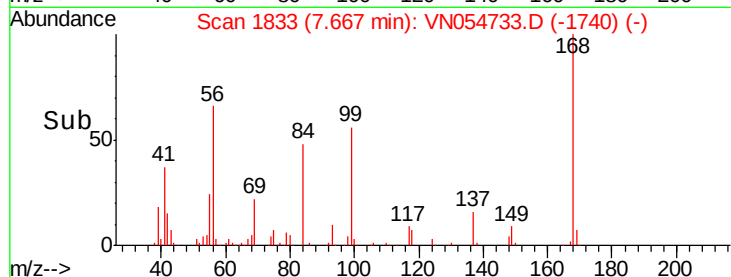
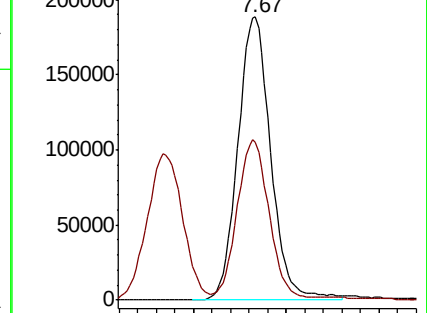
168 100

99 55.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 57.140 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054733.D

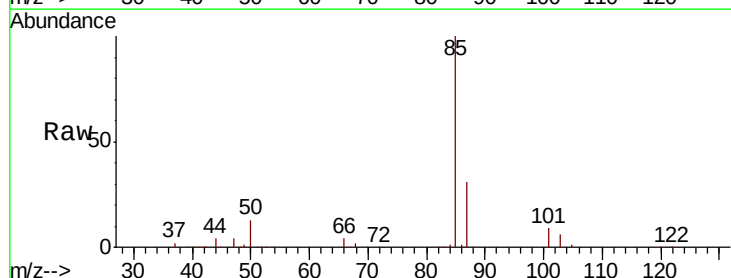
Acq: 28 Mar 2019 10:13

Tgt Ion: 85 Resp: 253479

Ion Ratio Lower Upper

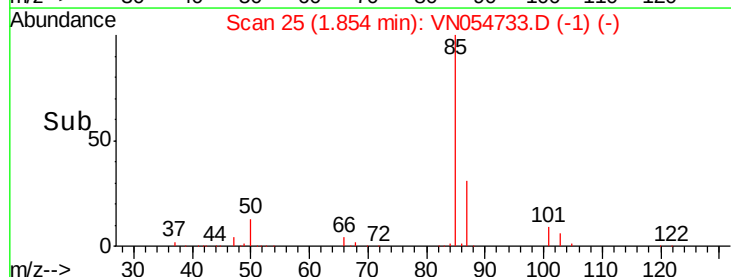
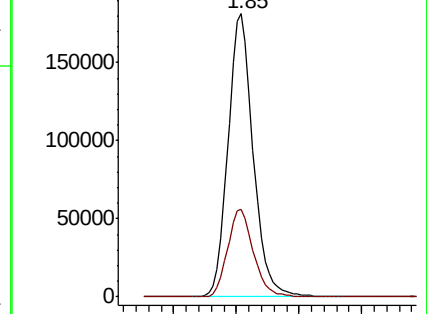
85 100

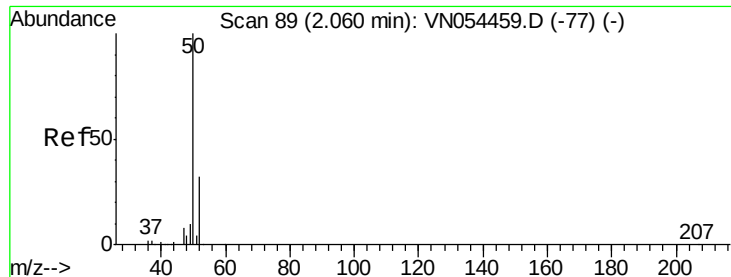
87 31.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 55.994 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

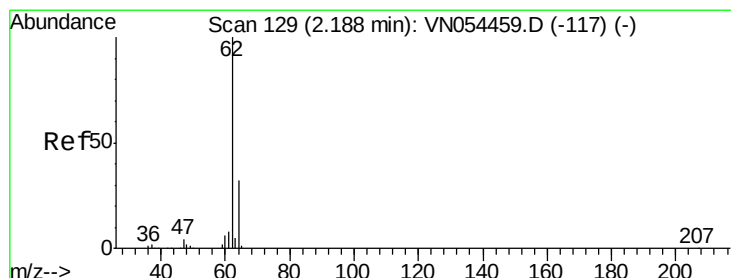
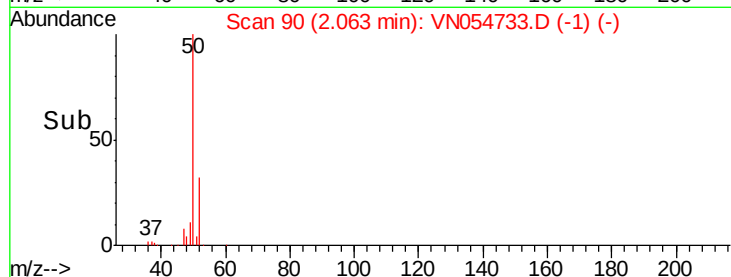
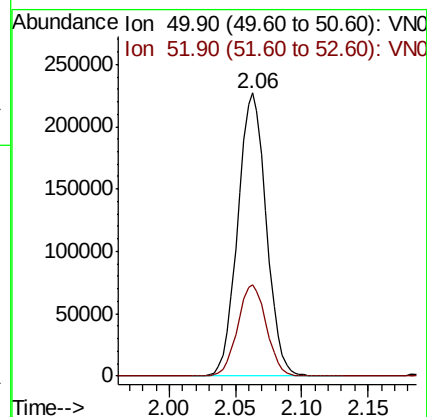
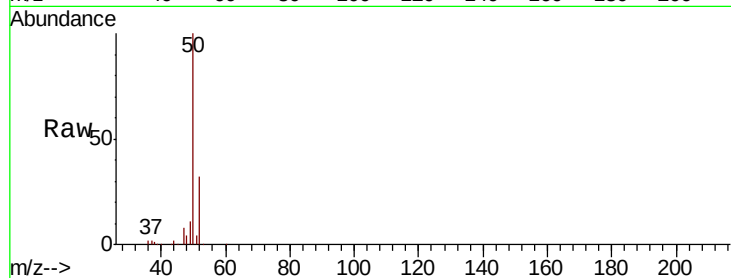
VSTDCCC050

Tot Ion: 50 Resp: 337965

Ion Ratio Lower Upper

50 100

52 32.4 26.4 39.6



#4

Vinyl Chloride

Concen: 49.797 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054733.D

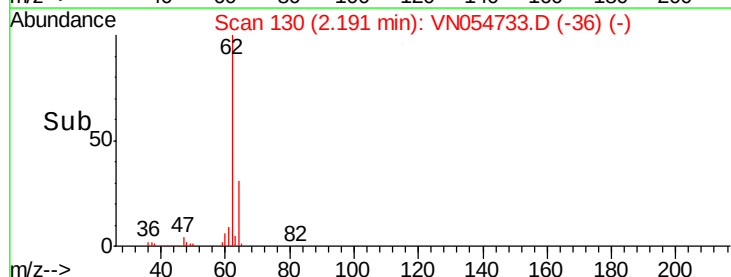
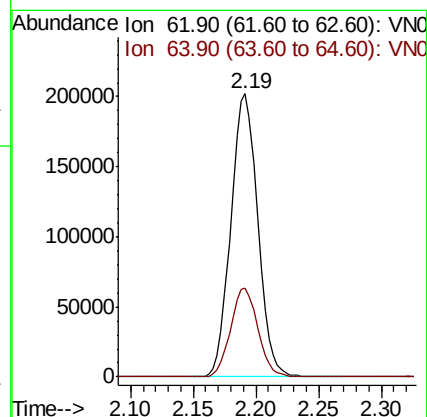
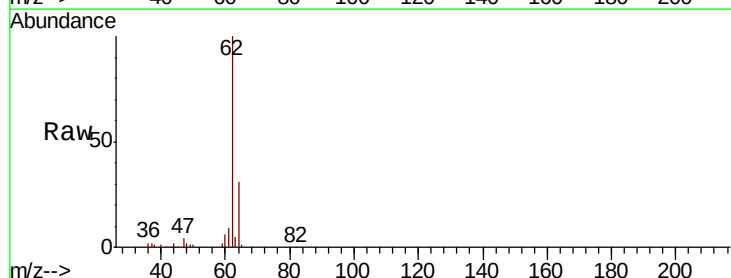
Acq: 28 Mar 2019 10:13

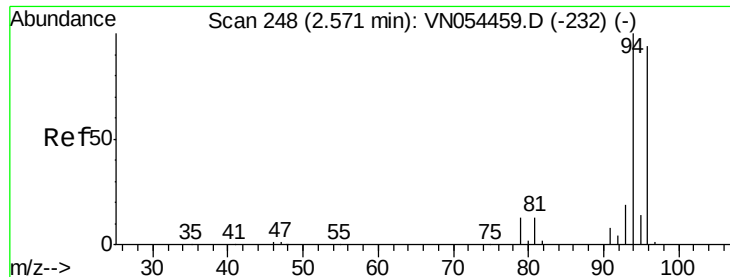
Tgt Ion: 62 Resp: 301761

Ion Ratio Lower Upper

62 100

64 31.4 25.5 38.3





#5

Bromomethane

Concen: 46.107 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

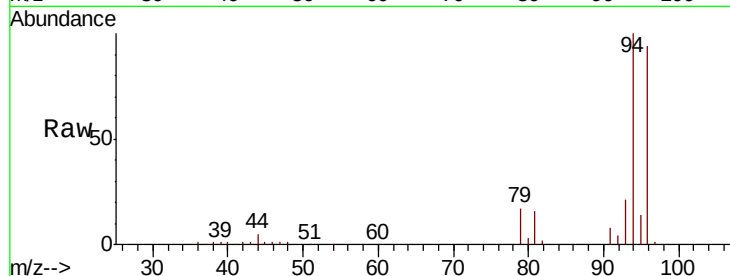
VSTDCCC050

Tot Ion: 94 Resp: 180668

Ion Ratio Lower Upper

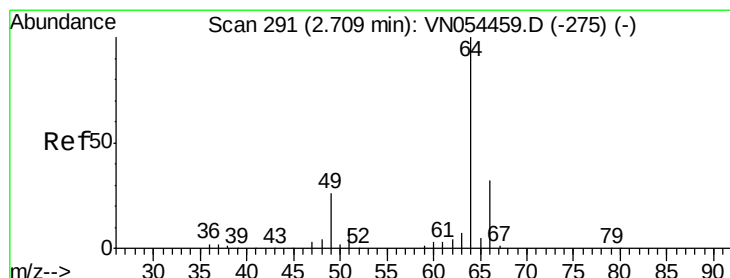
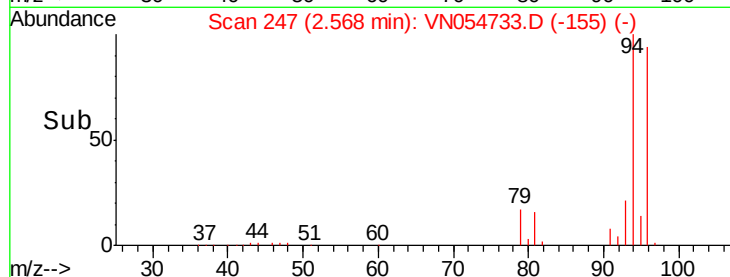
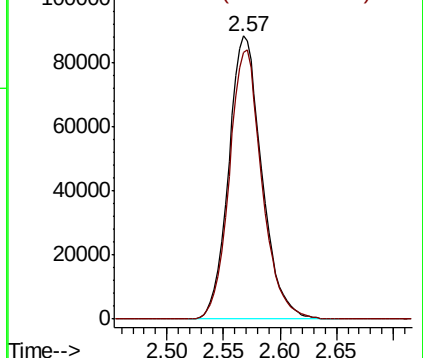
94 100

96 94.5 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 44.842 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054733.D

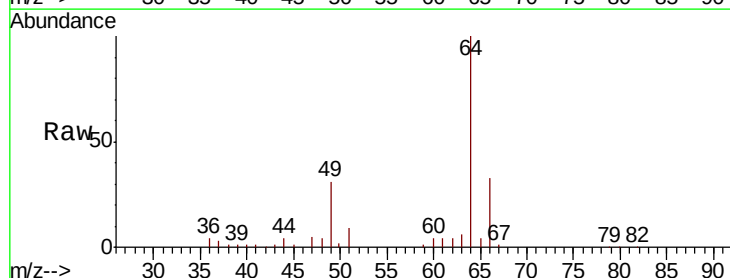
Acq: 28 Mar 2019 10:13

Tgt Ion: 64 Resp: 162987

Ion Ratio Lower Upper

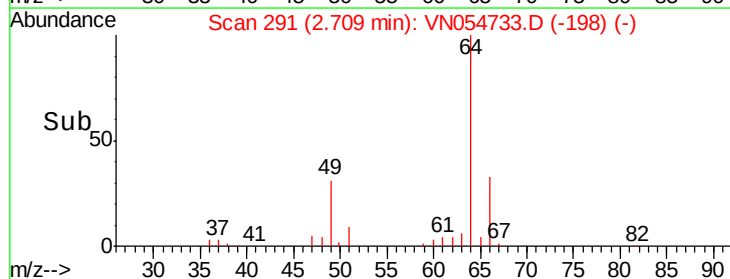
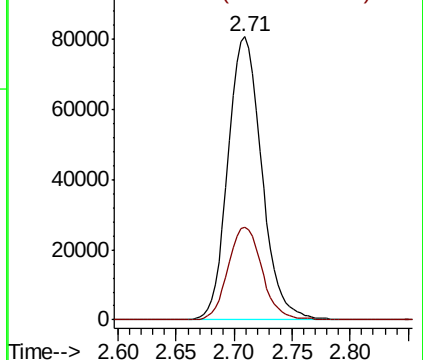
64 100

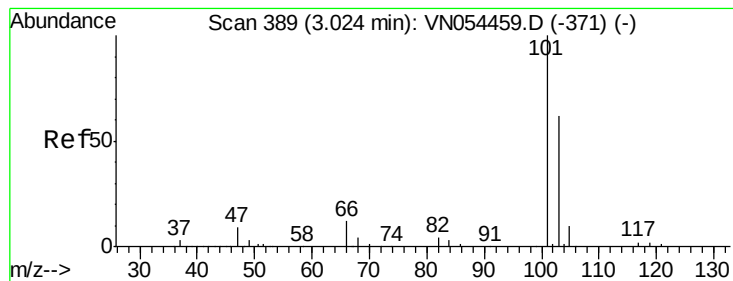
66 32.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



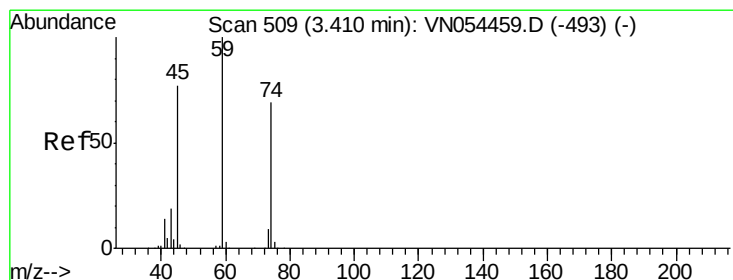
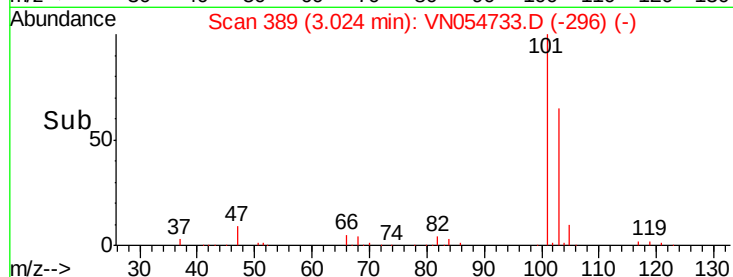
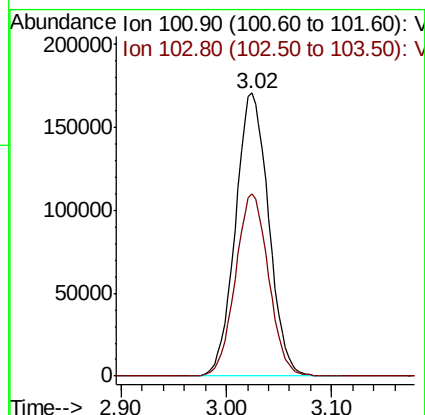
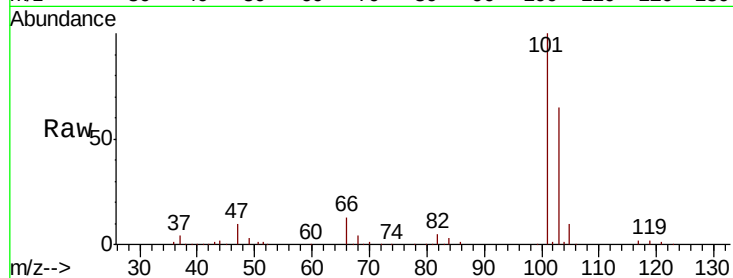


#7

Trichlorofluoromethane
Concen: 50.705 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

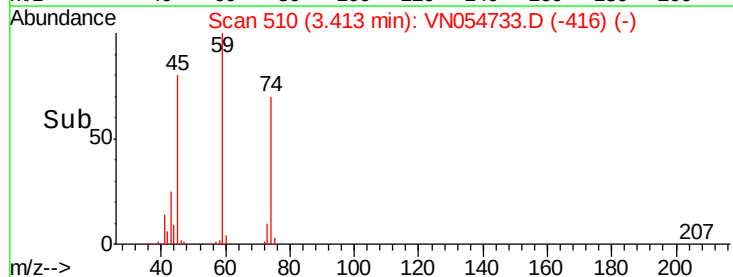
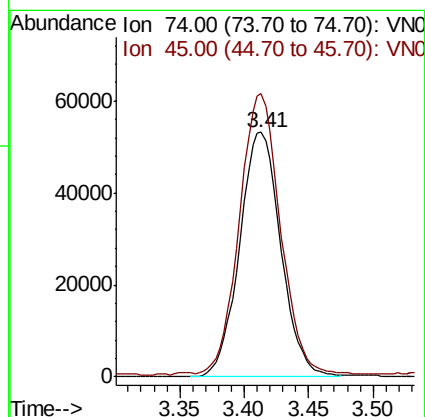
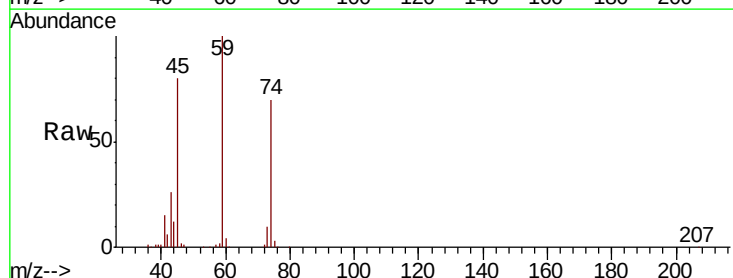
Tot Ion:101 Resp: 373151
Ion Ratio Lower Upper
101 100
103 64.6 51.4 77.2

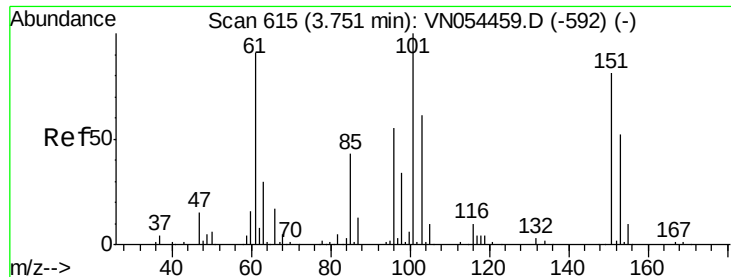


#8

Diethyl Ether
Concen: 41.843 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Tgt Ion: 74 Resp: 118429
Ion Ratio Lower Upper
74 100
45 113.5 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.081 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

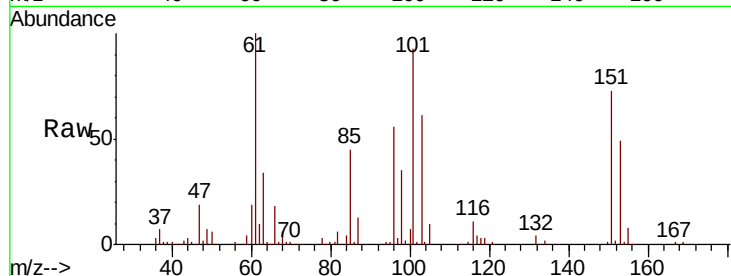
Tot Ion:101 Resp: 199303

Ion Ratio Lower Upper

101 100

85 47.1 32.4 48.6

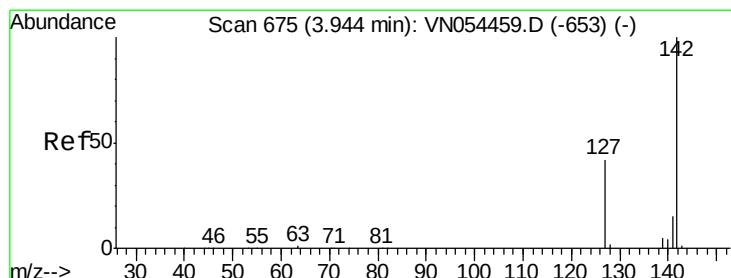
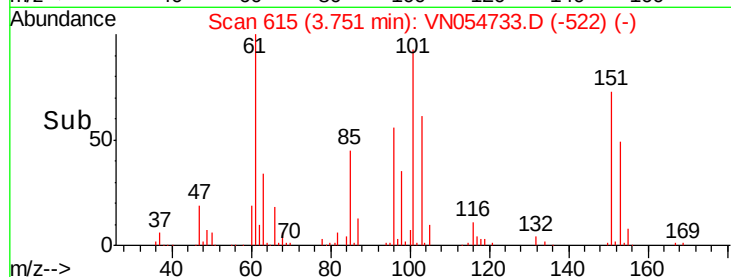
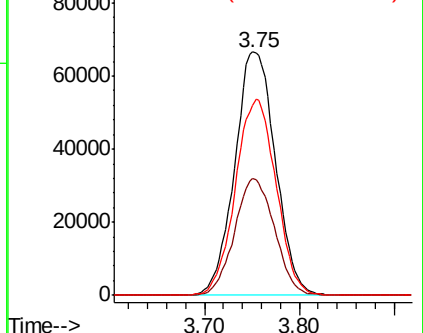
151 80.4 68.2 102.2



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: 44.964 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

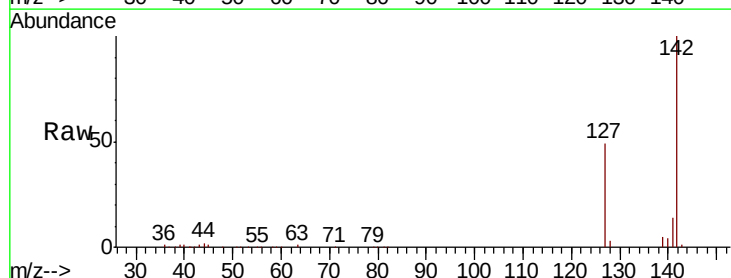
Tgt Ion:142 Resp: 286068

Ion Ratio Lower Upper

142 100

127 48.2 30.3 45.5#

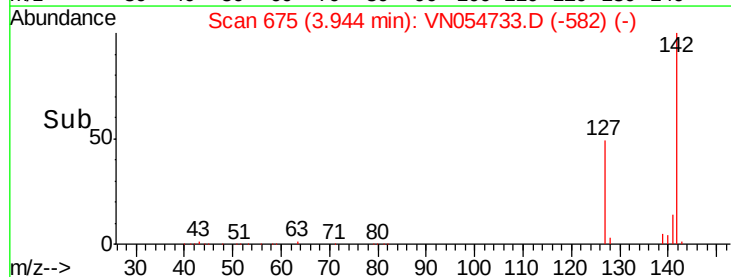
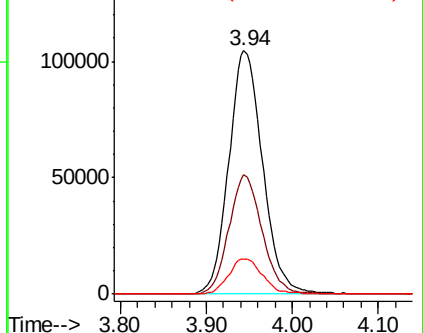
141 14.7 11.2 16.8

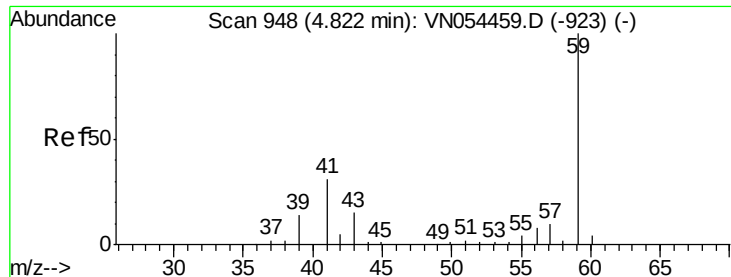


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

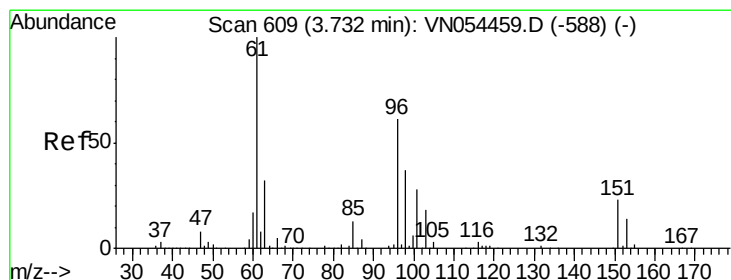
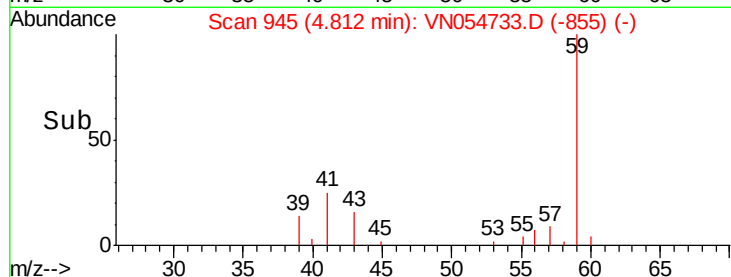
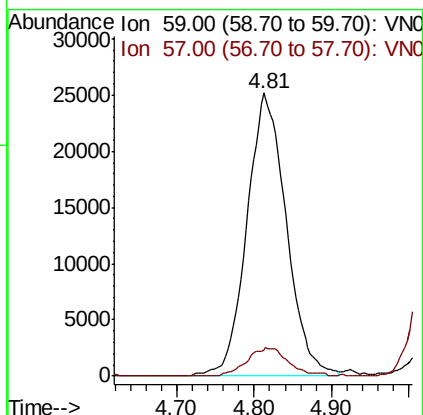
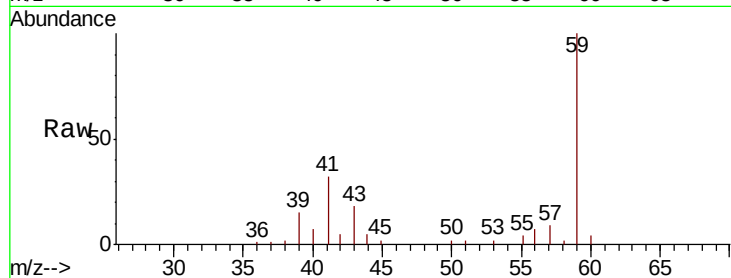




#11
Tert butyl alcohol
Concen: 255.644 ug/l
RT: 4.81 min Scan# 945
Delta R.T. -0.01 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

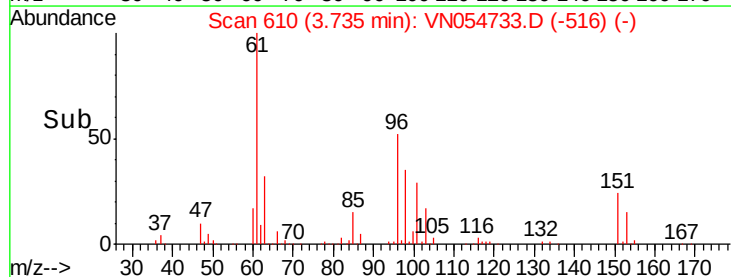
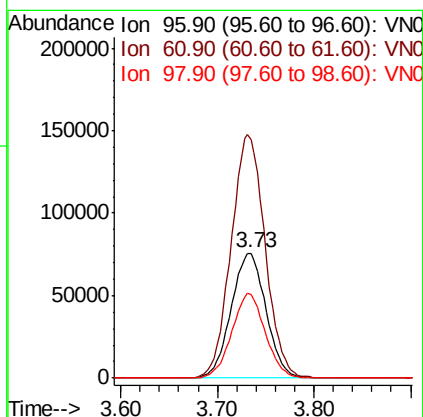
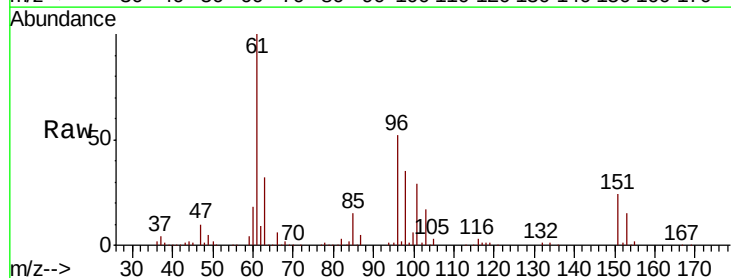
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

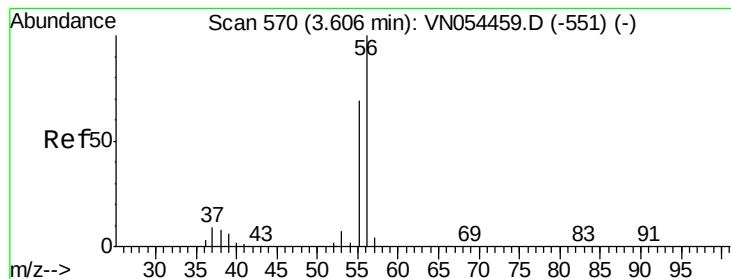
Tot Ion: 59 Resp: 89334
Ion Ratio Lower Upper
59 100
57 10.5 9.0 13.6



#12
1,1-Dichloroethene
Concen: 42.298 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Tgt Ion: 96 Resp: 189322
Ion Ratio Lower Upper
96 100
61 190.4 116.5 174.7#
98 67.0 51.0 76.4





#13

Acrolein

Concen: 237.998 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

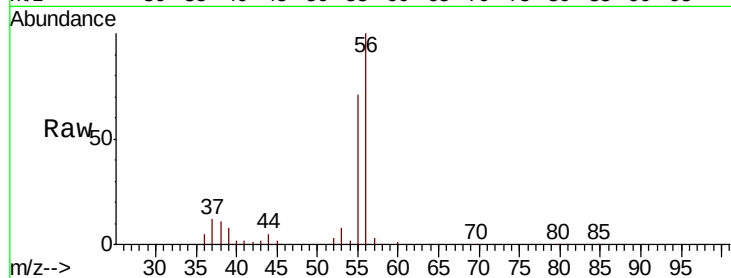
VSTDCCC050

Tot Ion: 56 Resp: 114772

Ion Ratio Lower Upper

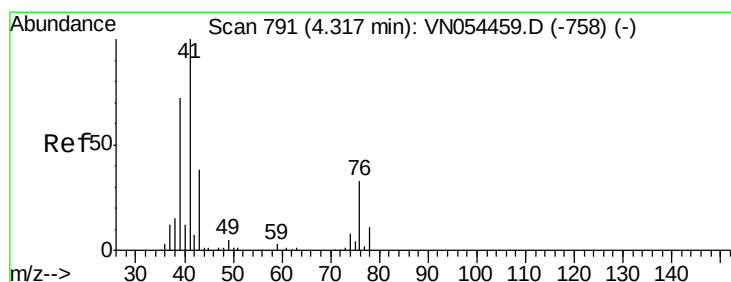
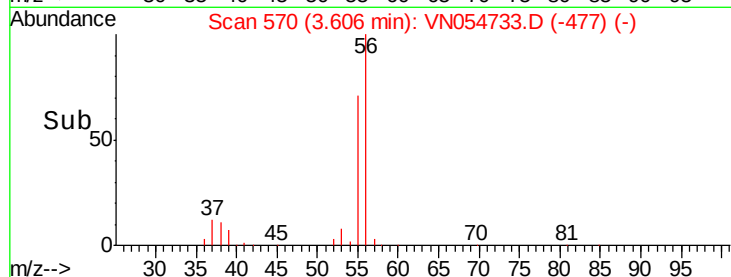
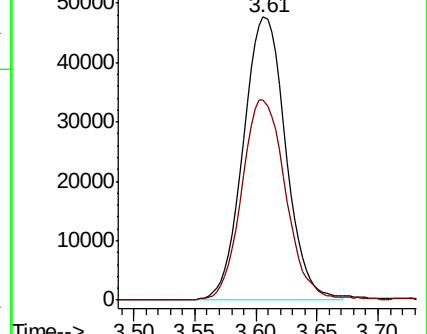
56 100

55 73.1 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 55.751 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

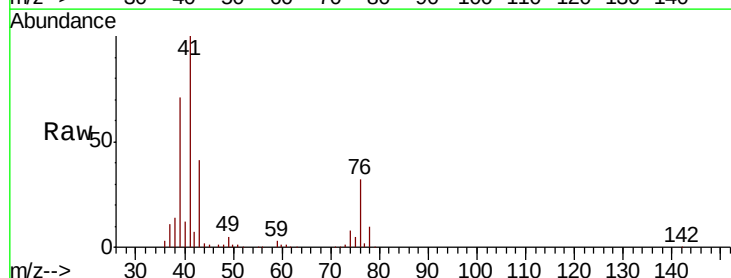
Tgt Ion: 41 Resp: 469893

Ion Ratio Lower Upper

41 100

39 67.9 58.2 87.4

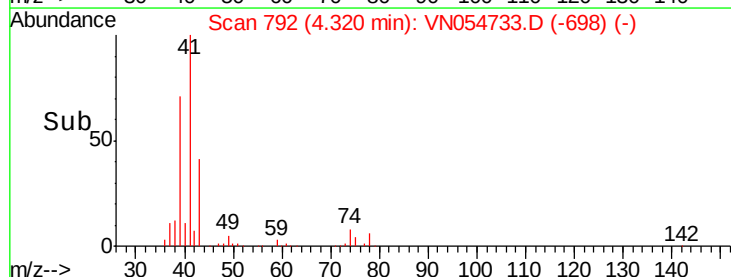
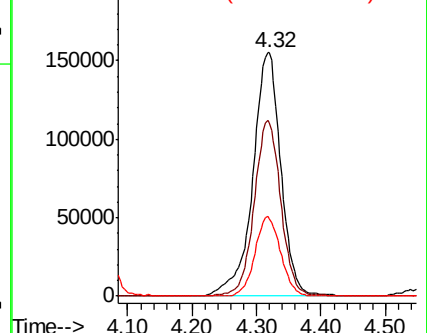
76 29.6 31.7 47.5#

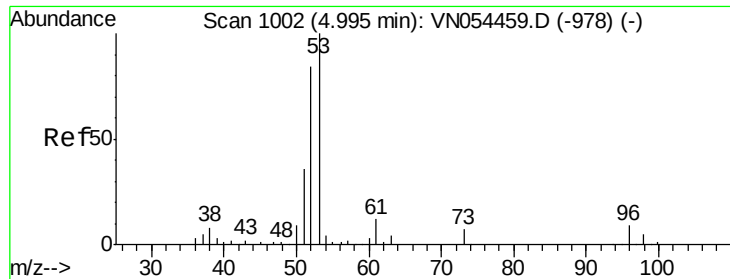


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

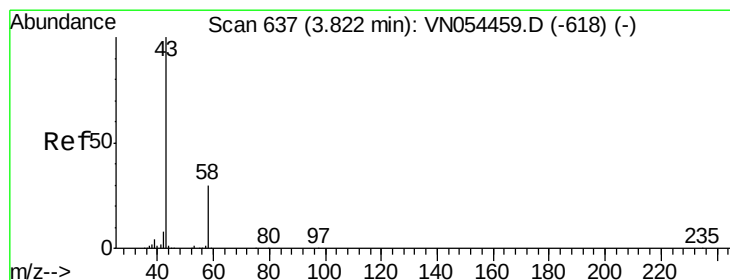
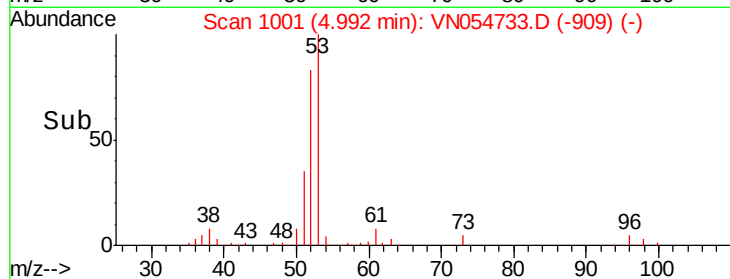
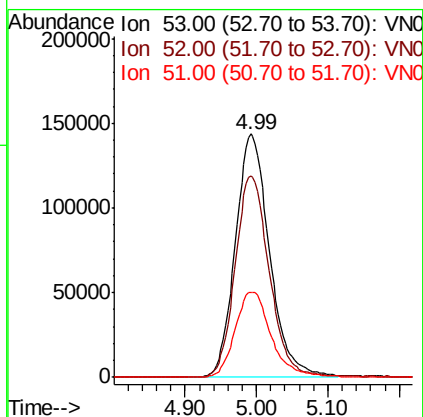
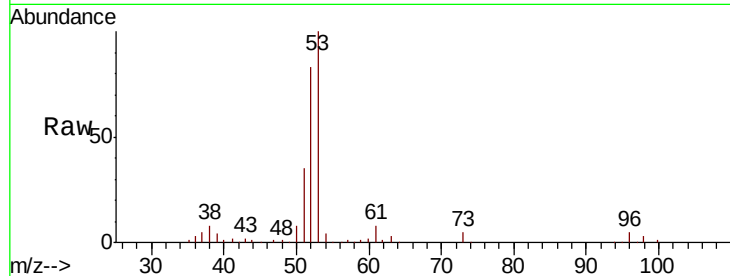




#15
 Acrylonitrile
 Concen: 276.104 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

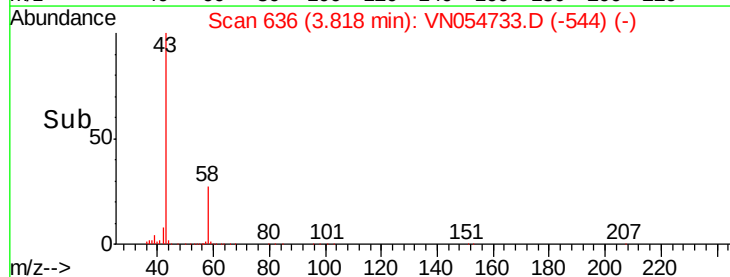
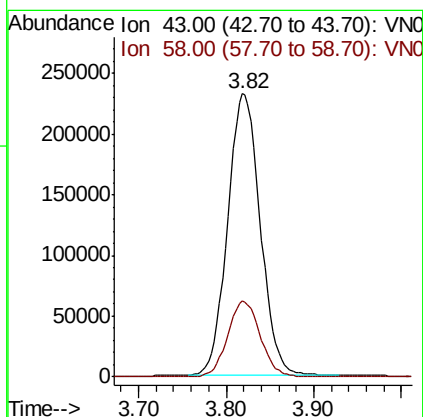
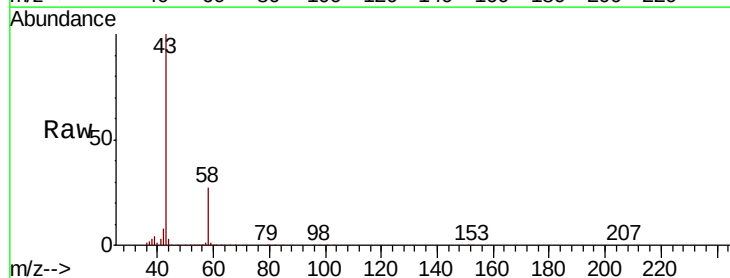
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

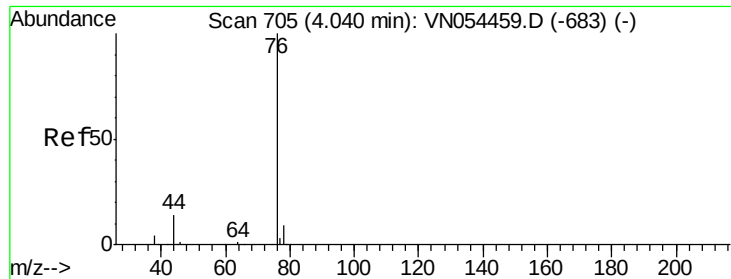
Tot Ion: 53 Resp: 480479
 Ion Ratio Lower Upper
 53 100
 52 82.5 66.4 99.6
 51 37.0 29.6 44.4



#16
 Acetone
 Concen: 343.846 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

Tgt Ion: 43 Resp: 596690
 Ion Ratio Lower Upper
 43 100
 58 26.8 29.9 44.9#

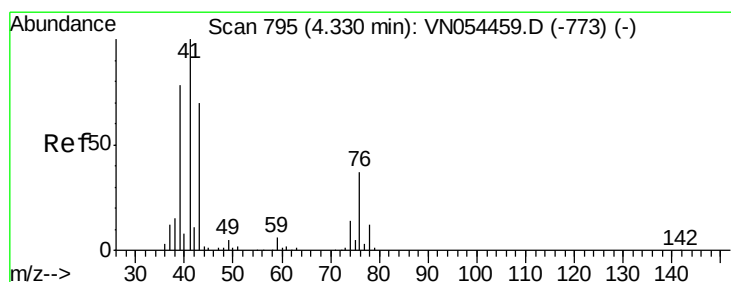
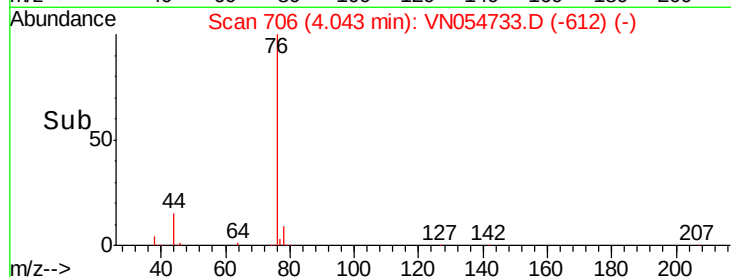
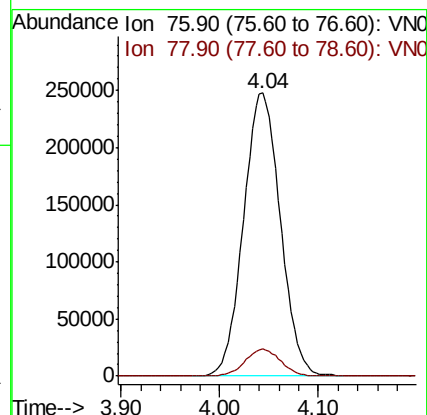
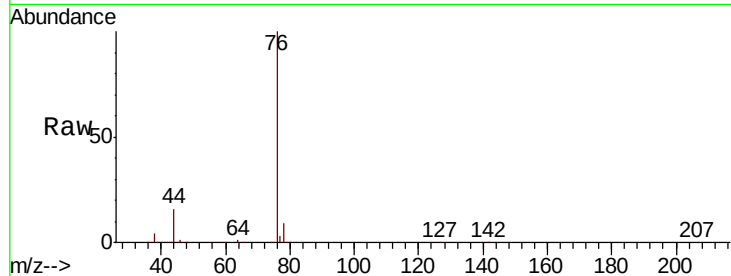




#17
Carbon Disulfide
Concen: 53.325 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

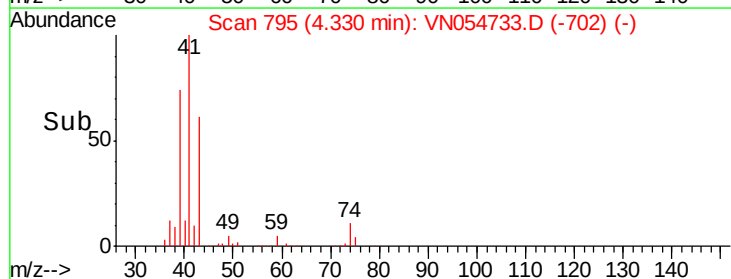
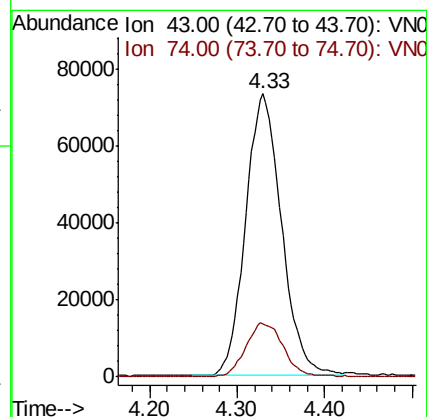
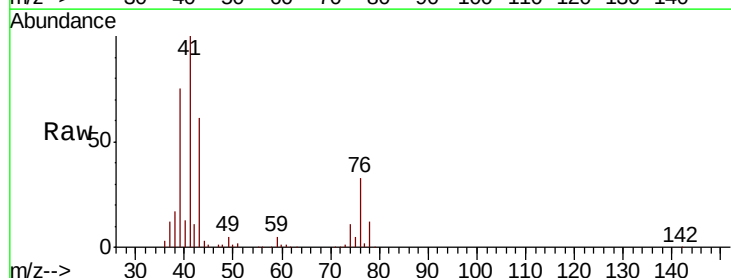
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

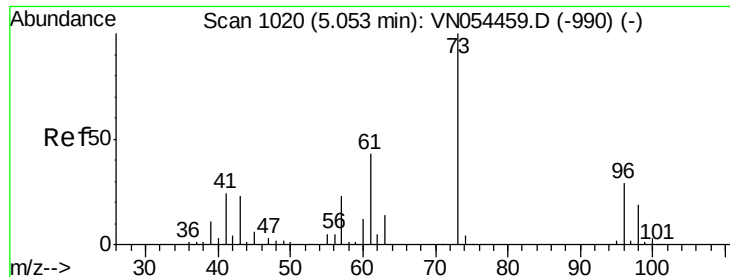
Tot Ion: 76 Resp: 639514
Ion Ratio Lower Upper
76 100
78 9.5 7.5 11.3



#18
Methyl Acetate
Concen: 54.158 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Tgt Ion: 43 Resp: 209477
Ion Ratio Lower Upper
43 100
74 19.9 20.8 31.2#

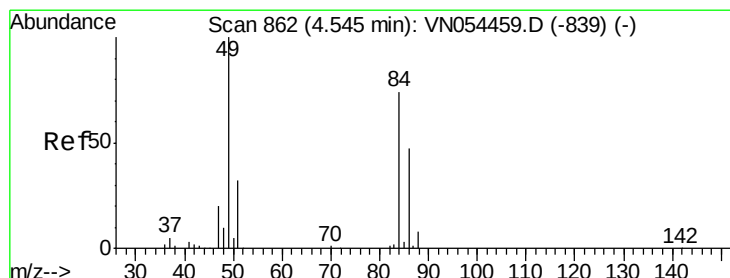
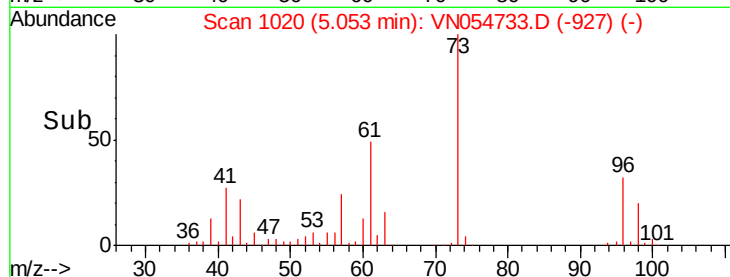
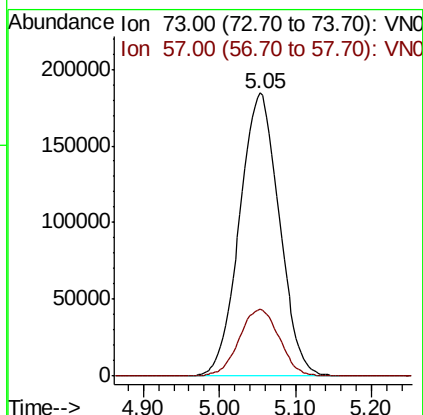
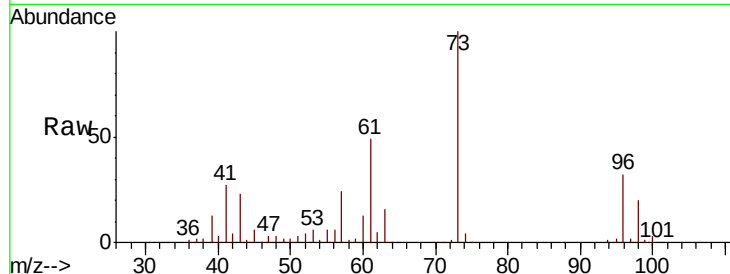




#19
Methyl tert-butyl Ether
Concen: 51.255 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

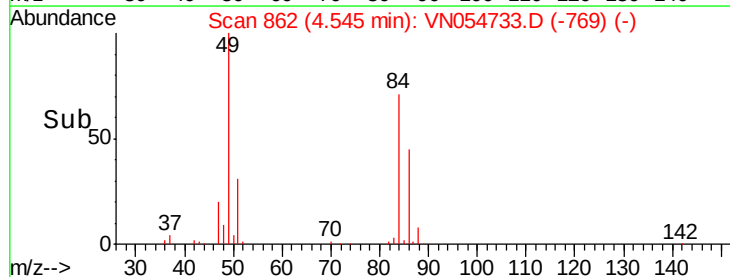
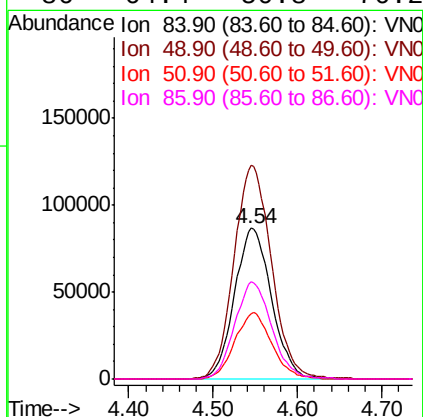
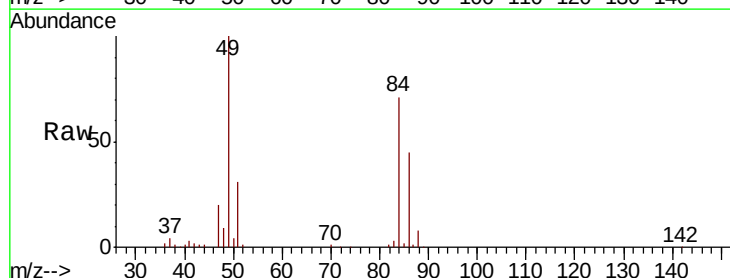
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

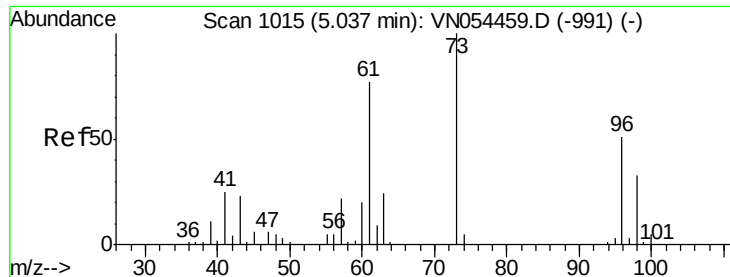
Tot Ion: 73 Resp: 669520
Ion Ratio Lower Upper
73 100
57 23.6 16.8 25.2



#20
Methylene Chloride
Concen: 51.789 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Tgt Ion: 84 Resp: 264925
Ion Ratio Lower Upper
84 100
49 141.5 89.7 134.5#
51 43.3 28.2 42.4#
86 64.4 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 55.274 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

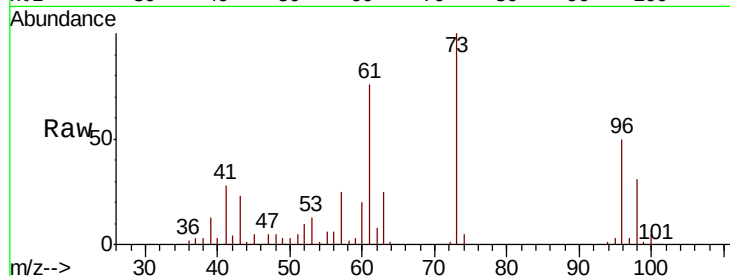
Tot Ion: 96 Resp: 252622

Ion Ratio Lower Upper

96 100

61 152.7 102.8 154.2

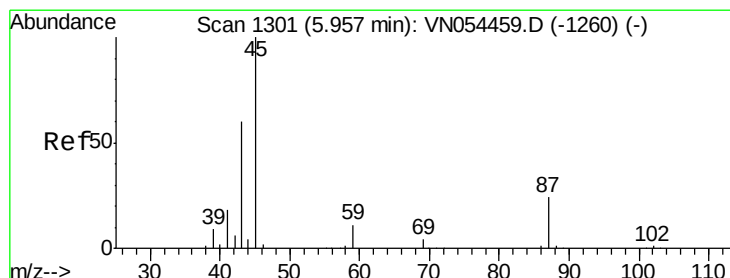
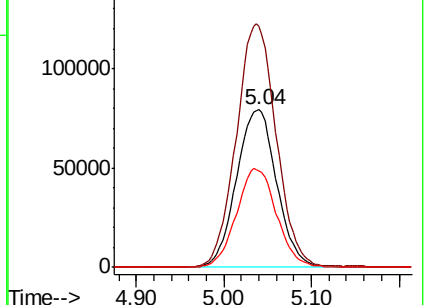
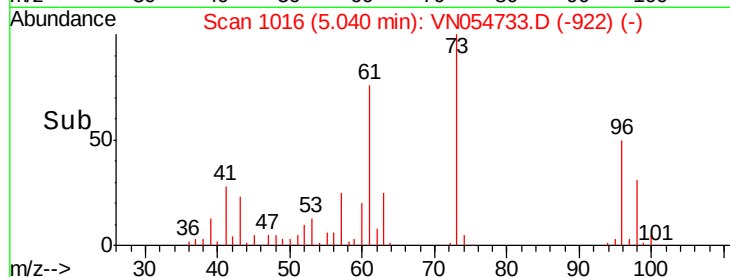
98 61.4 50.0 75.0



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: 56.239 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Tgt Ion: 45 Resp: 934952

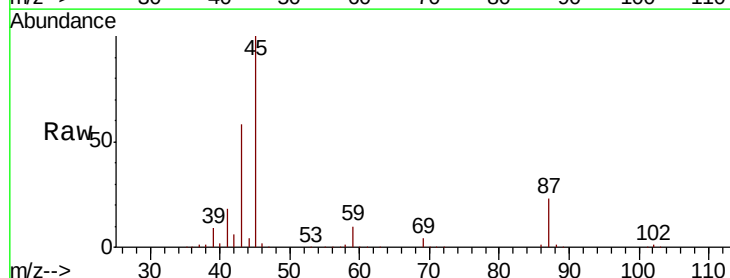
Ion Ratio Lower Upper

45 100

43 56.6 48.2 72.2

87 22.8 24.9 37.3#

59 9.9 9.5 14.3

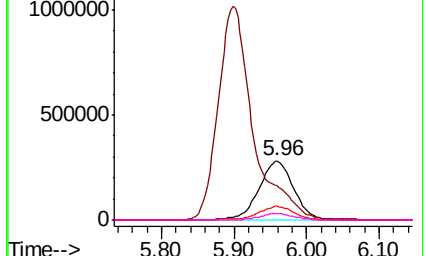
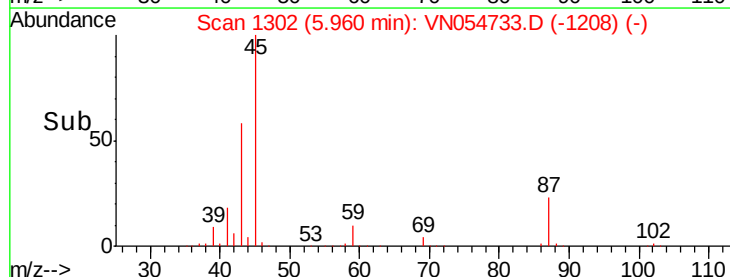


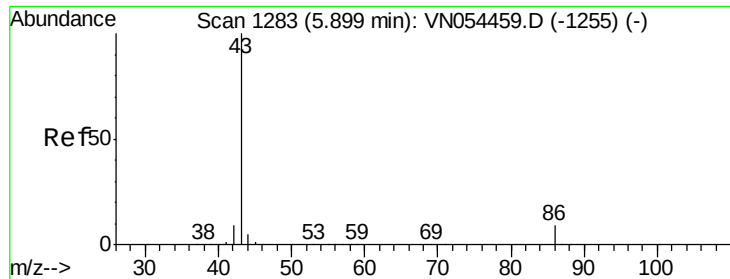
Abundance Ion 45.00 (44.70 to 45.70): VN0

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: 290.599 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

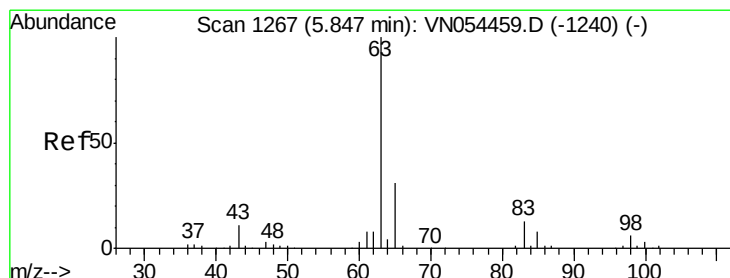
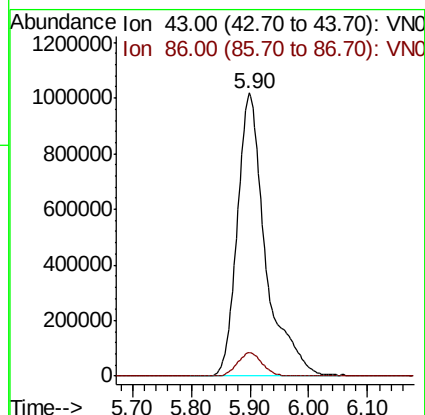
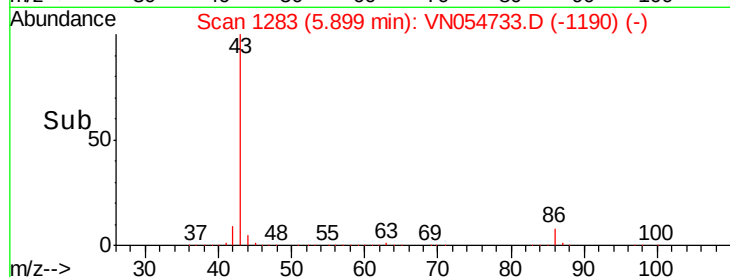
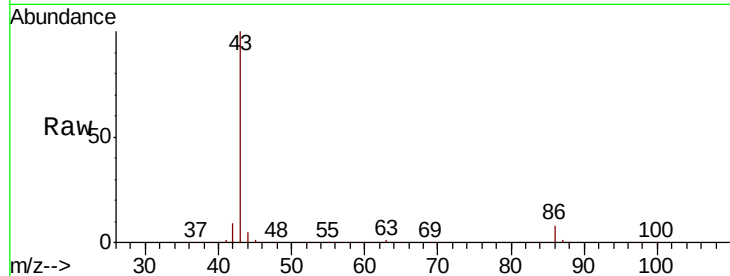
VSTDCCC050

Tot Ion: 43 Resp: 3412073

Ion Ratio Lower Upper

43 100

86 8.4 9.1 13.7#



#24

1,1-Dichloroethane

Concen: 55.568 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

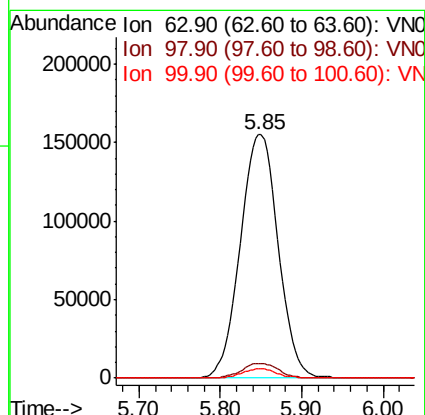
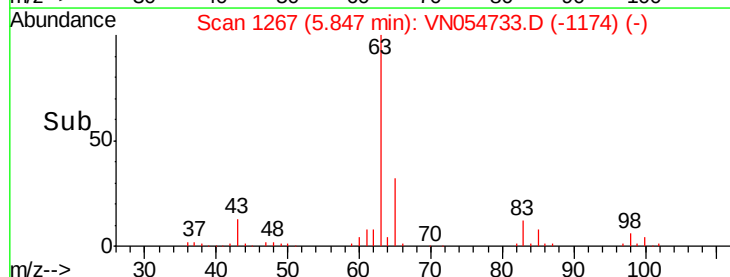
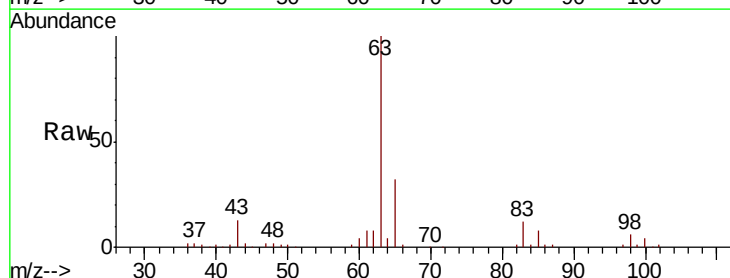
Tgt Ion: 63 Resp: 497404

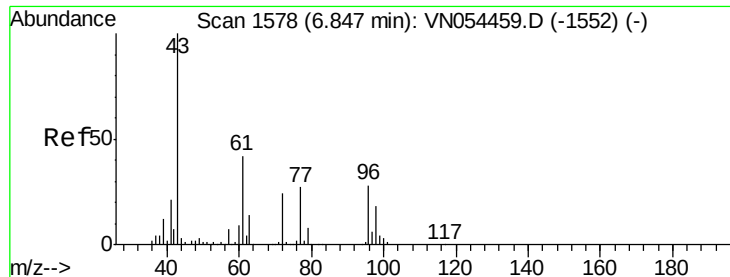
Ion Ratio Lower Upper

63 100

98 5.8 3.5 10.5

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 335.296 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

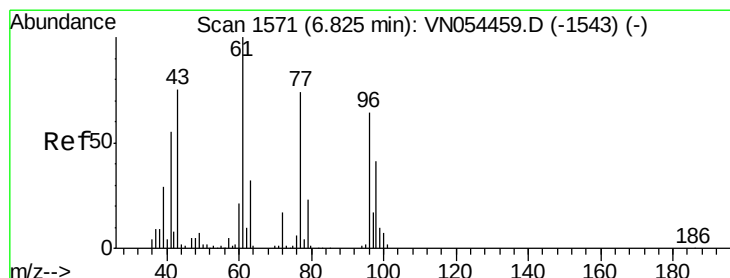
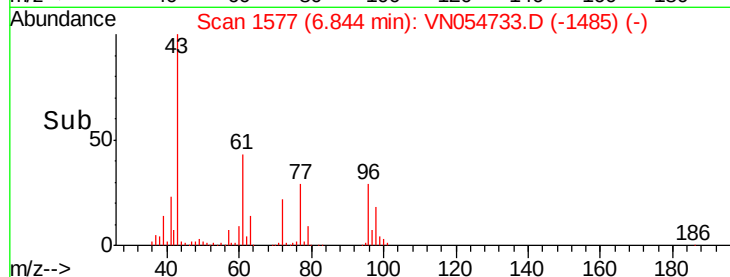
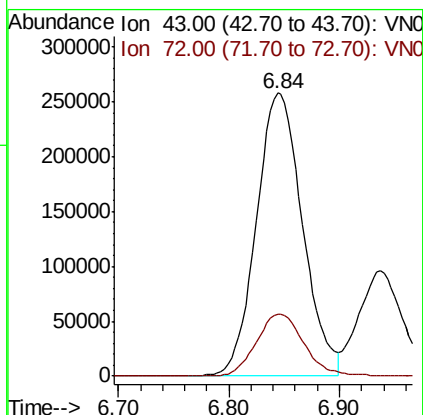
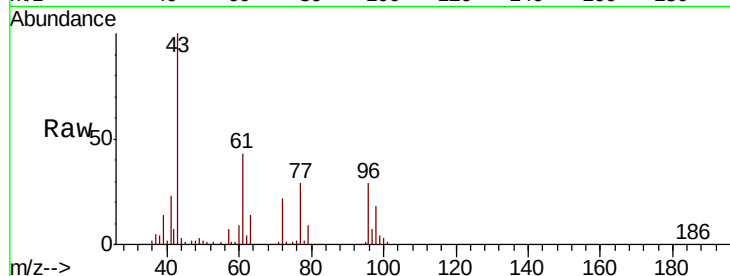
VSTDCCC050

Tot Ion: 43 Resp: 745352

Ion Ratio Lower Upper

43 100

72 21.8 23.0 34.6#



#26

2,2-Dichloropropane

Concen: 57.605 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054733.D

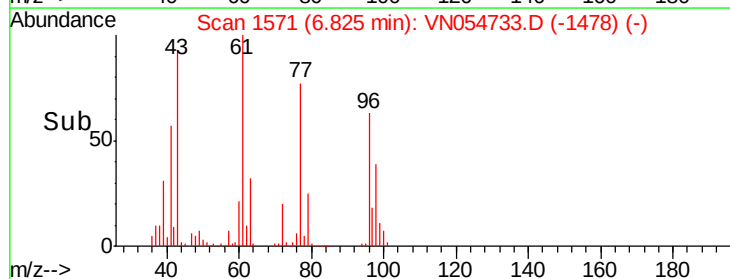
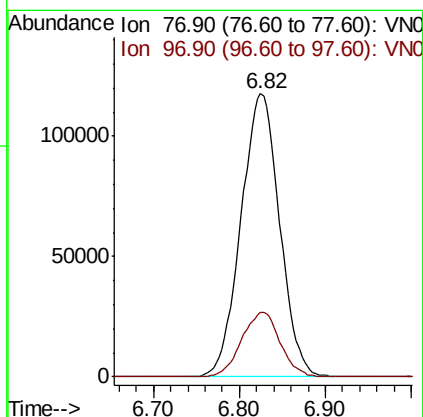
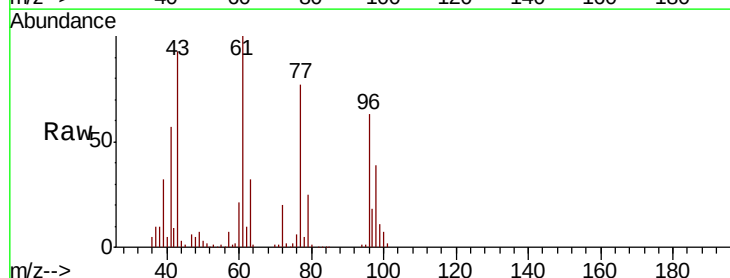
Acq: 28 Mar 2019 10:13

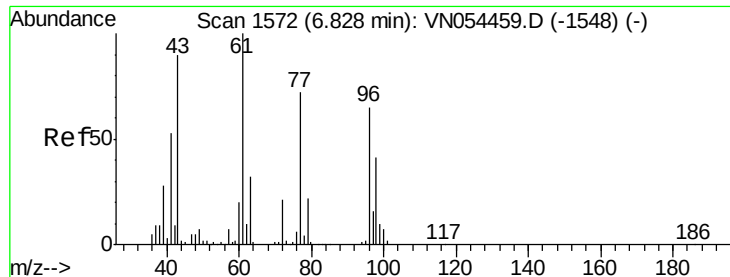
Tgt Ion: 77 Resp: 367569

Ion Ratio Lower Upper

77 100

97 22.8 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 52.456 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

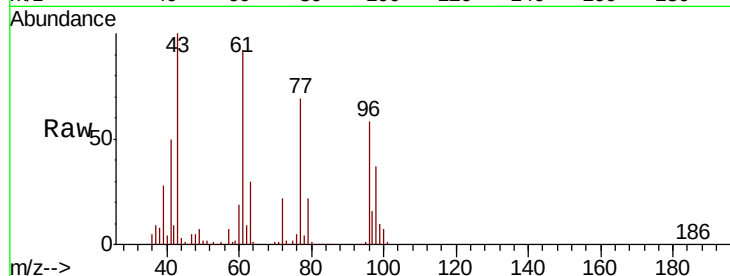
Tot Ion: 96 Resp: 285961

Ion Ratio Lower Upper

96 100

61 160.1 0.0 273.0

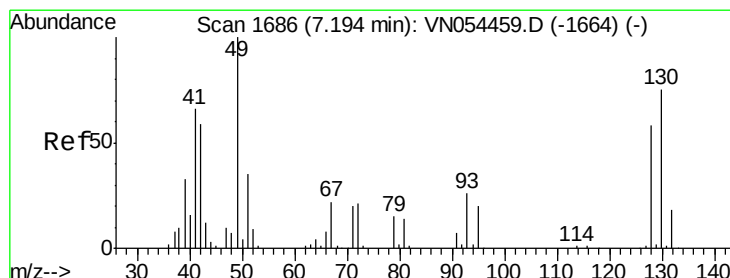
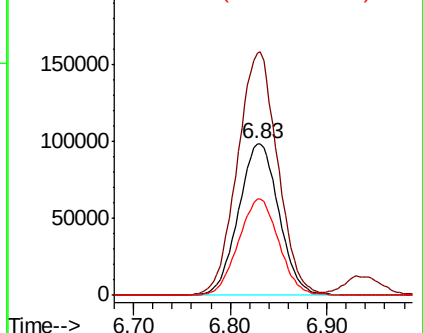
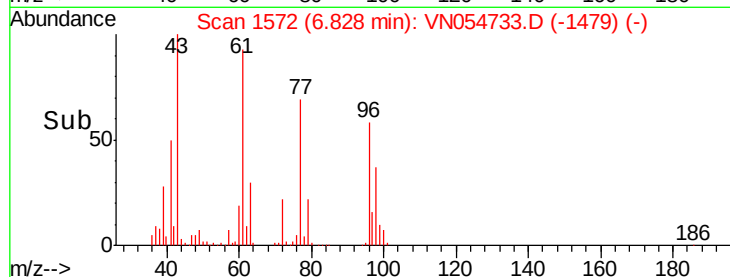
98 64.0 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 50.839 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

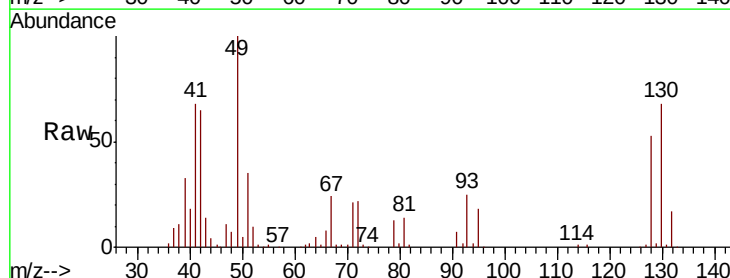
Tgt Ion: 49 Resp: 224000

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.6

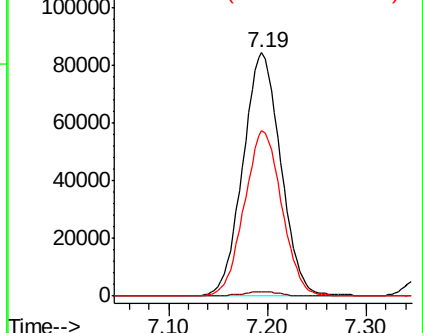
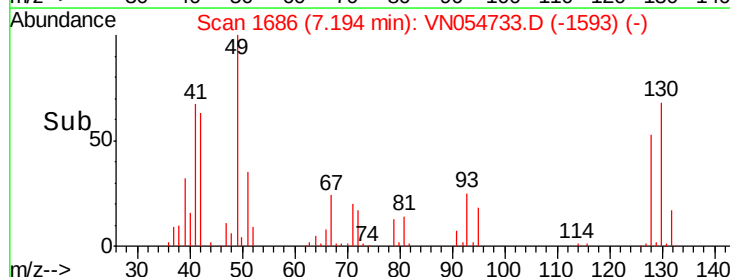
130 67.4 76.7 115.1#

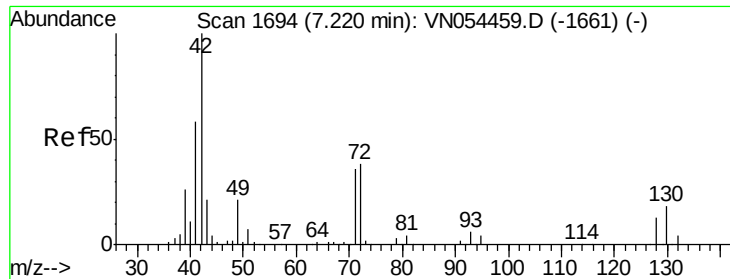


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

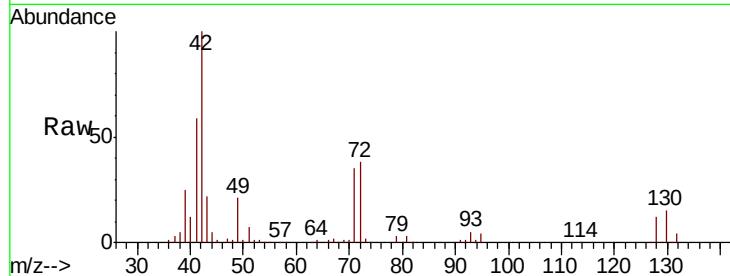




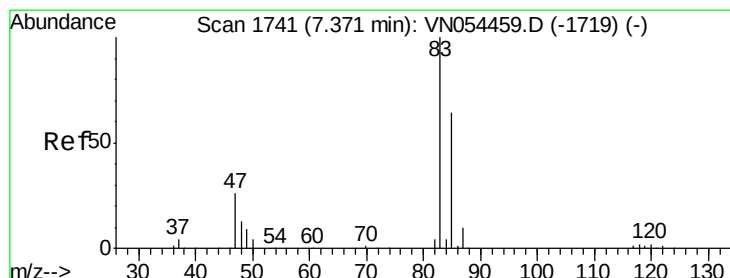
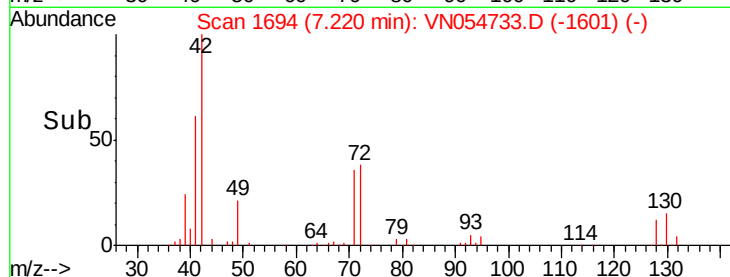
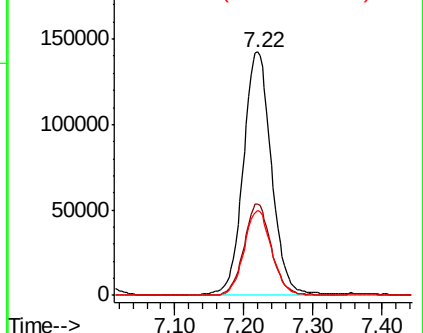
#29
Tetrahydrofuran
Concen: 277.324 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 400057
Ion Ratio Lower Upper
42 100
72 36.3 37.8 56.6#
71 34.2 36.2 54.2#

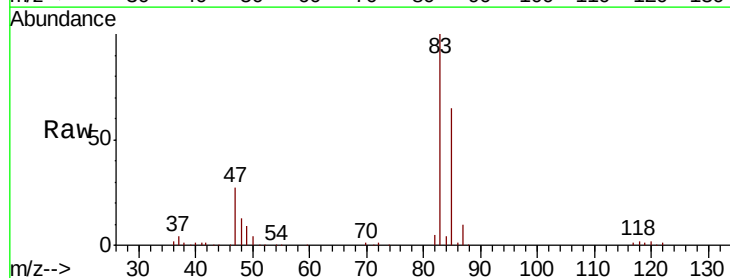


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

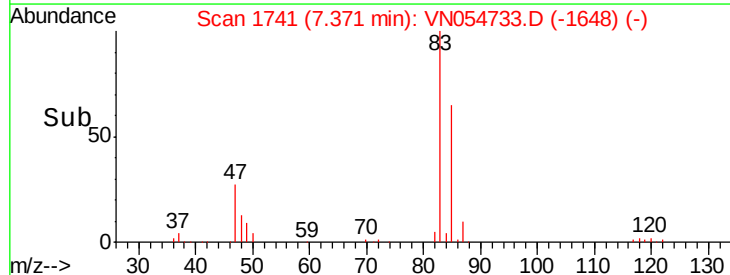
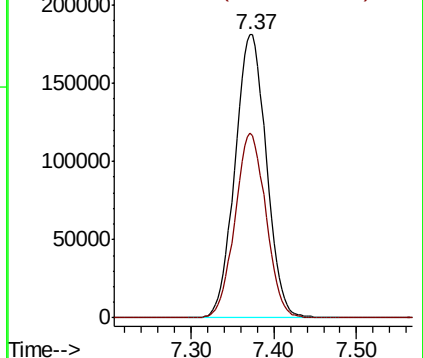


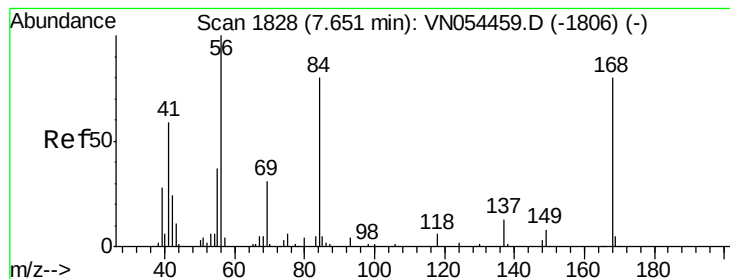
#30
Chloroform
Concen: 54.596 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Tgt Ion: 83 Resp: 476933
Ion Ratio Lower Upper
83 100
85 65.5 52.2 78.4



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





#31

Cyclohexane

Concen: 57.787 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

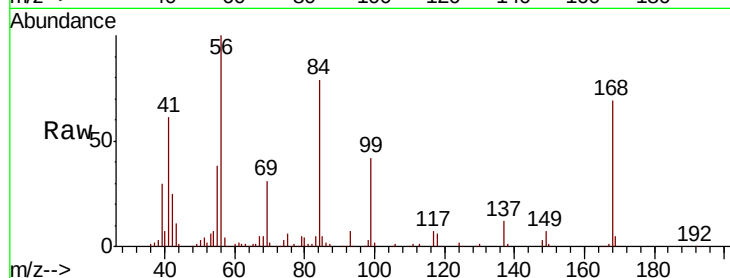
Tot Ion: 56 Resp: 493174

Ion Ratio Lower Upper

56 100

69 30.9 27.8 41.6

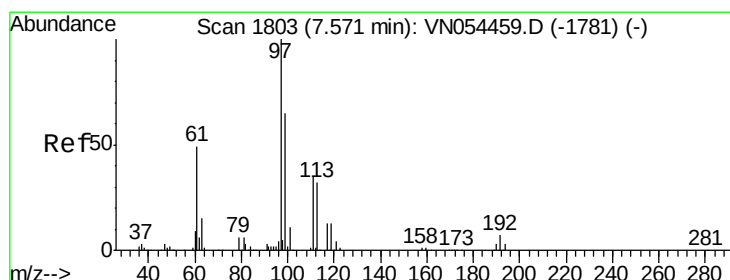
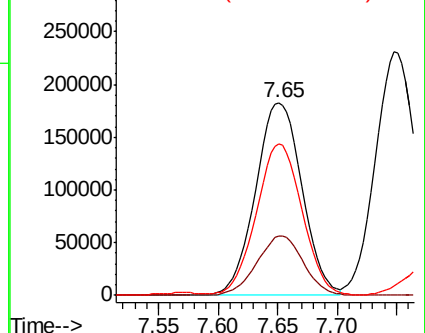
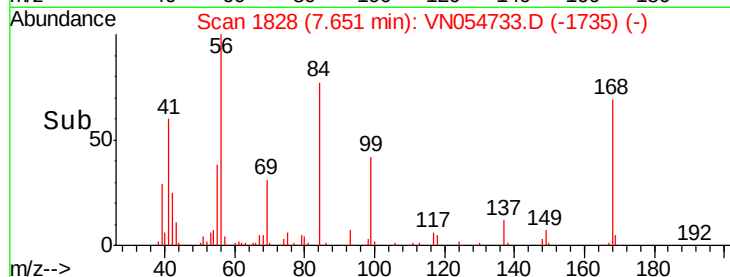
84 77.4 74.6 111.8



Abundance Ion 56.00 (55.70 to 56.70): VN054733.D (-1735) (-)

Ion 69.00 (68.70 to 69.70): VN054733.D (-1735) (-)

Ion 84.00 (83.70 to 84.70): VN054733.D (-1735) (-)



#32

1,1,1-Trichloroethane

Concen: 55.425 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

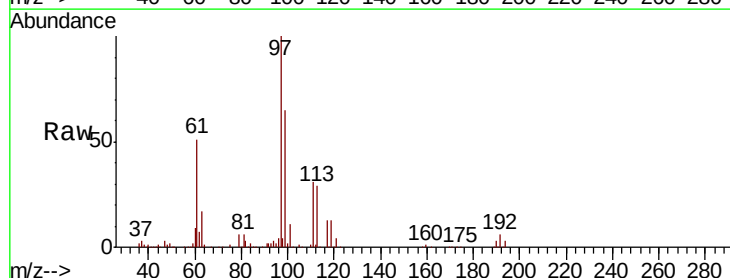
Tgt Ion: 97 Resp: 399447

Ion Ratio Lower Upper

97 100

99 65.0 51.5 77.3

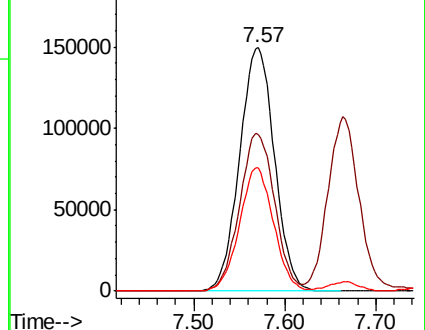
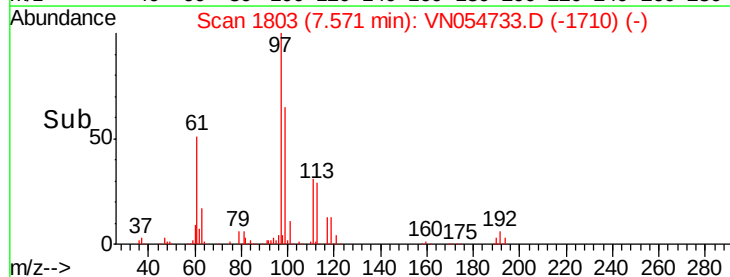
61 49.5 33.6 50.4

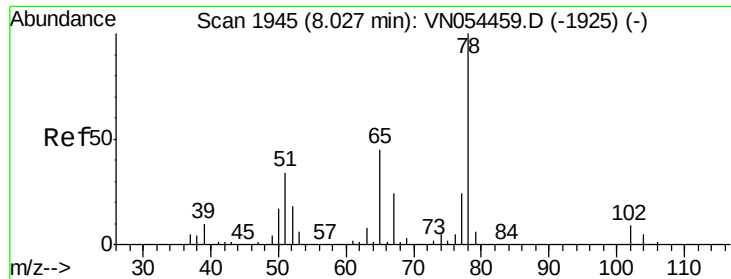


Abundance Ion 96.90 (96.60 to 97.60): VN054733.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN054733.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN054733.D (-1710) (-)

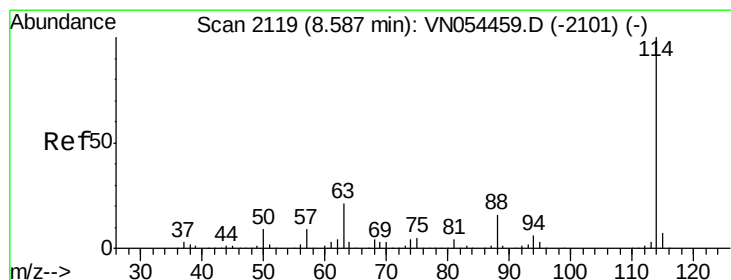
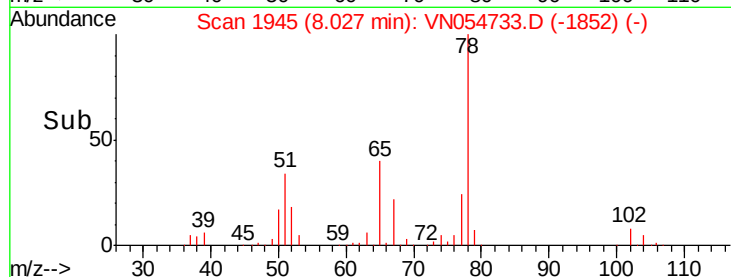
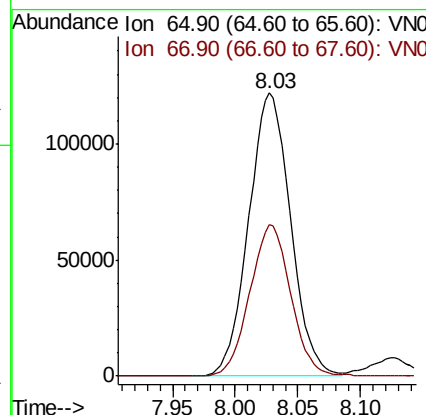
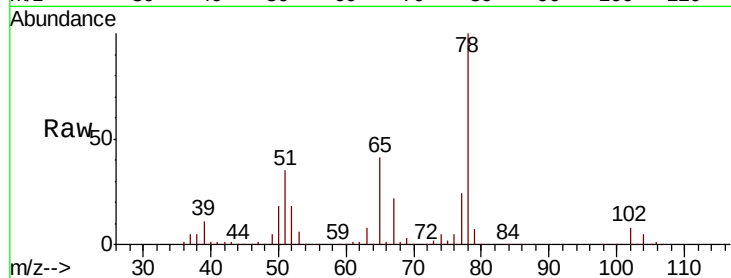




#33
 1,2-Dichloroethane-d4
 Concen: 49.179 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

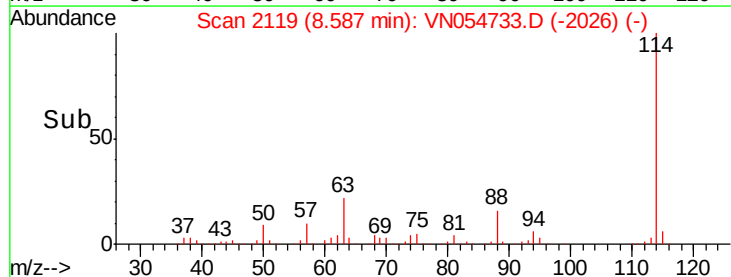
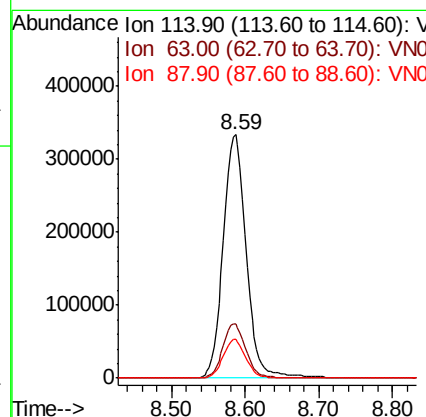
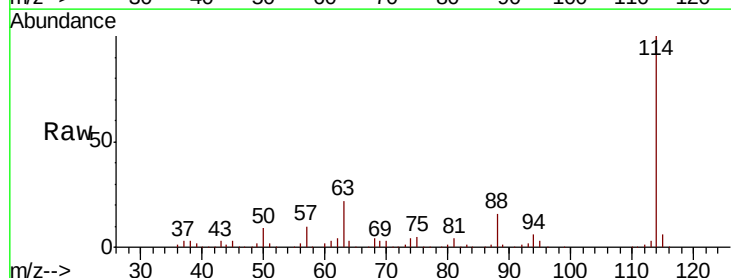
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

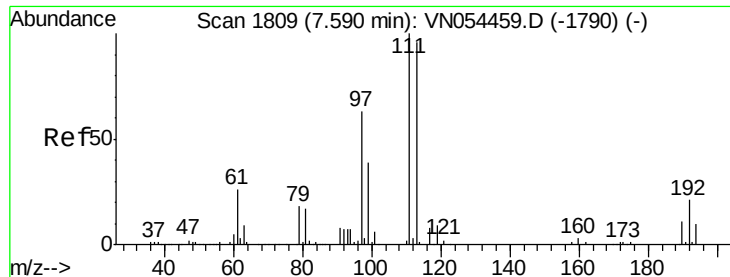
Tot Ion: 65 Resp: 283858
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

Tgt Ion: 114 Resp: 727785
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 35.2
 88 16.1 0.0 30.2

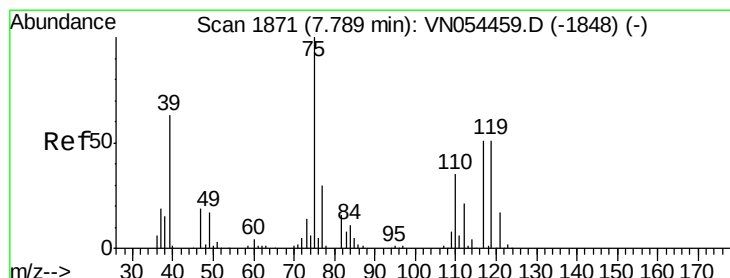
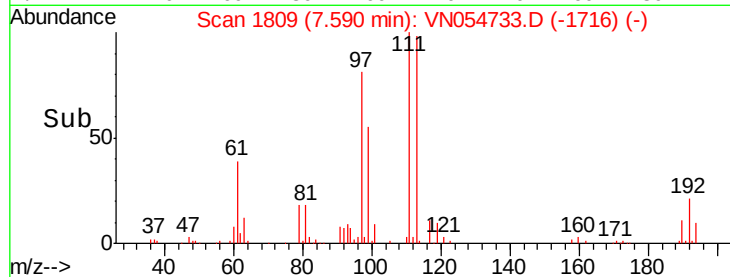
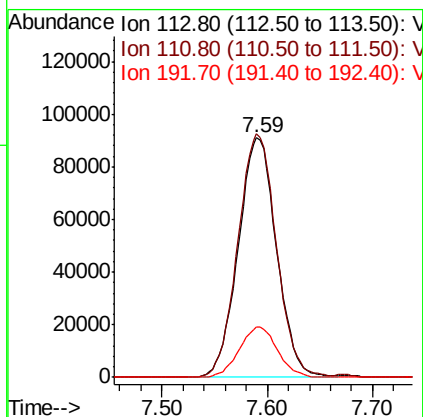
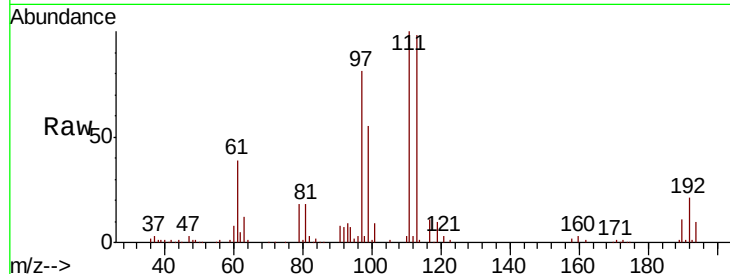




#35
 Dibromofluoromethane
 Concen: 49.042 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

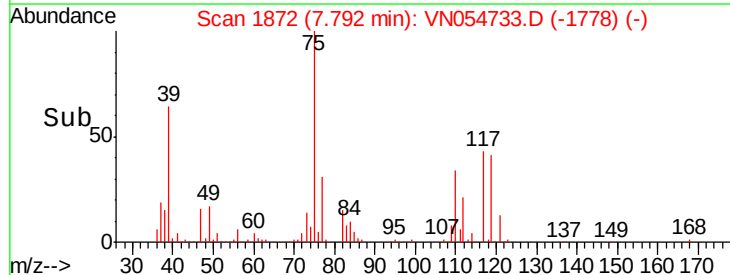
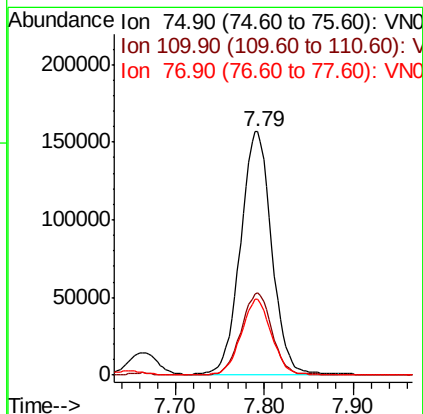
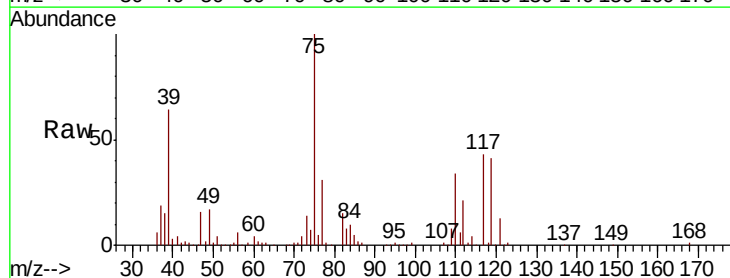
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

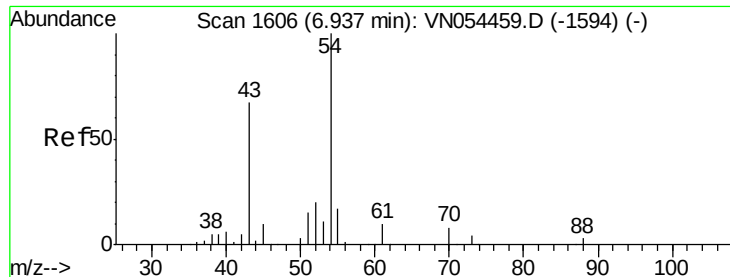
Tot Ion:113 Resp: 229945
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.2 123.4
 192 20.9 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 55.484 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

Tgt Ion: 75 Resp: 377560
 Ion Ratio Lower Upper
 75 100
 110 33.7 19.1 57.5
 77 30.9 25.0 37.4

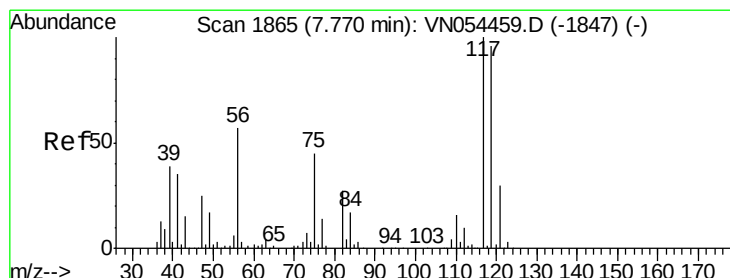
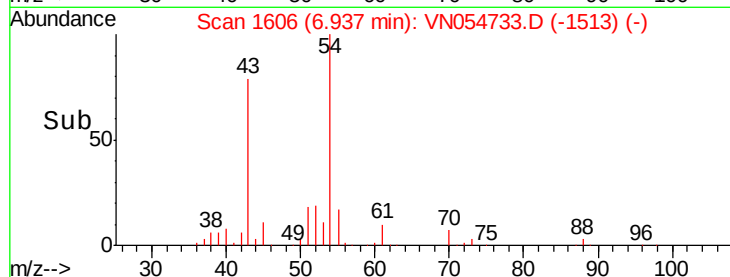
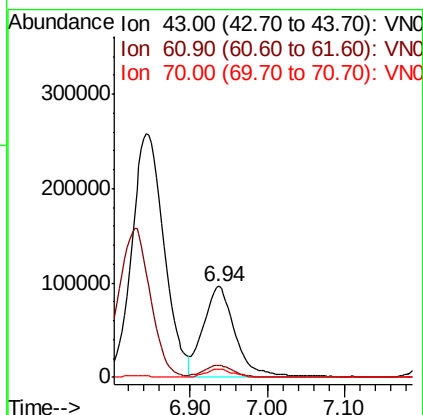
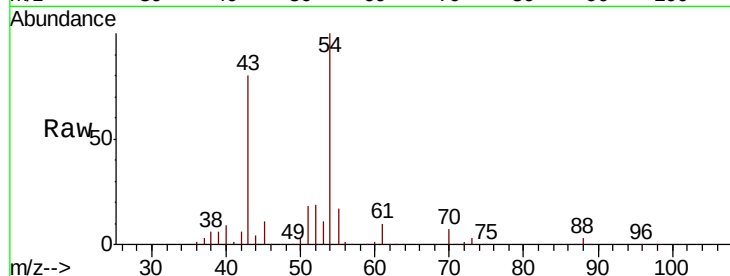




#37
Ethyl Acetate
Concen: 56.523 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

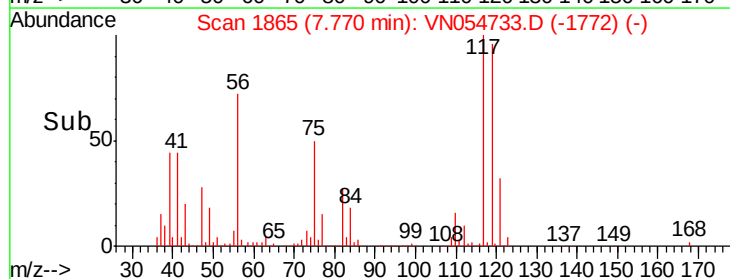
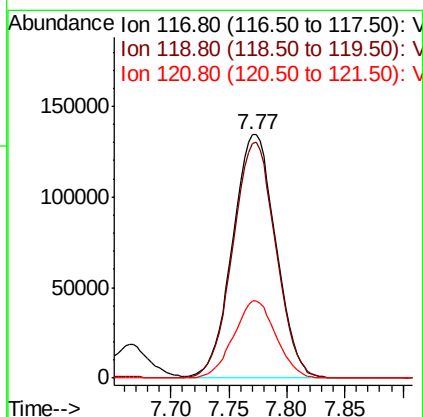
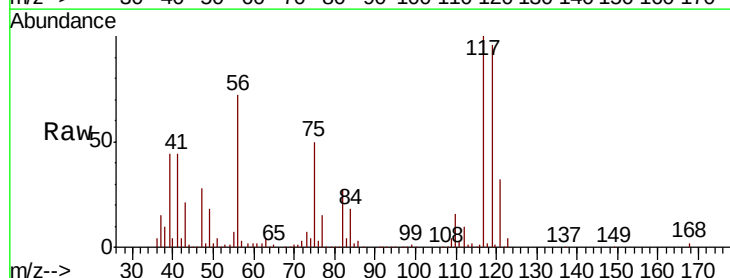
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

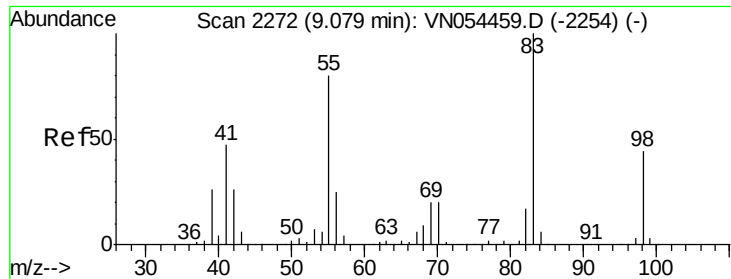
Tot Ion: 43 Resp: 273564
Ion Ratio Lower Upper
43 100
61 12.4 11.8 17.6
70 8.3 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 52.689 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Tgt Ion: 117 Resp: 348420
Ion Ratio Lower Upper
117 100
119 96.4 76.3 114.5
121 31.4 24.6 36.8

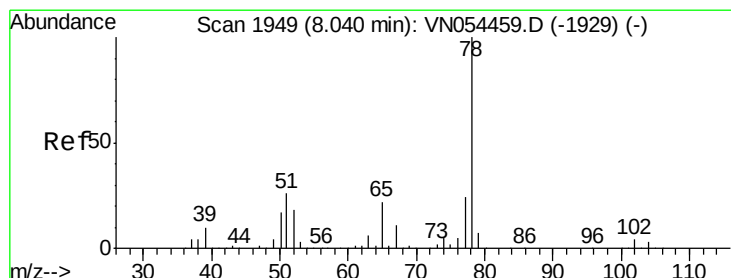
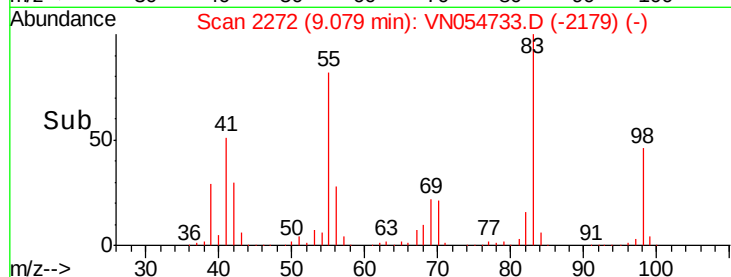
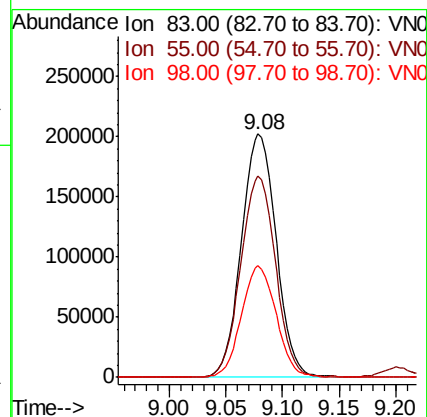
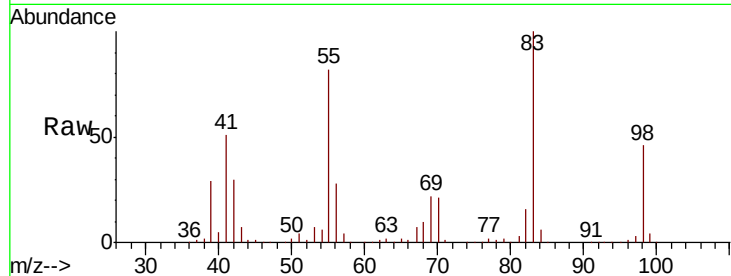




#39
Methylvlcyclohexane
Concen: 55.722 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

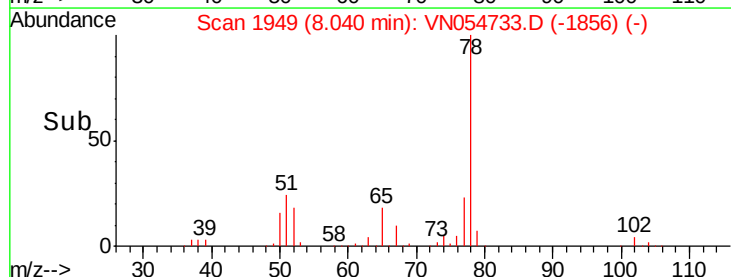
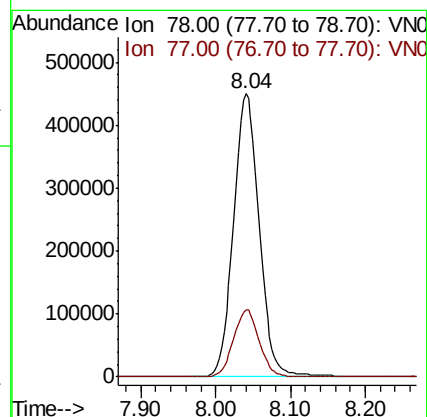
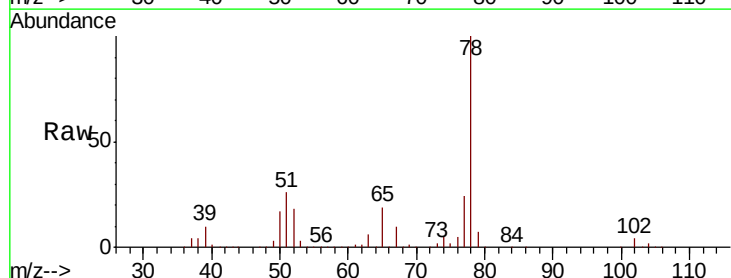
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

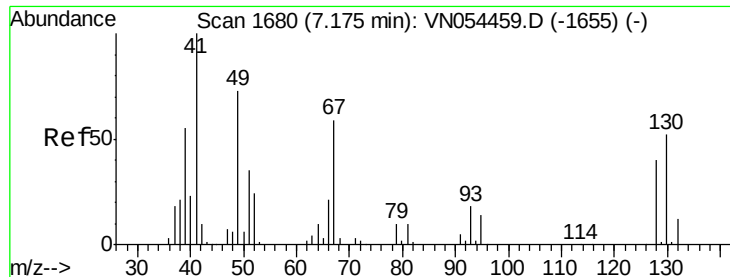
Tot Ion: 83 Resp: 433738
Ion Ratio Lower Upper
83 100
55 82.5 56.6 84.8
98 45.7 38.4 57.6



#40
Benzene
Concen: 55.124 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Tgt Ion: 78 Resp: 1072649
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7

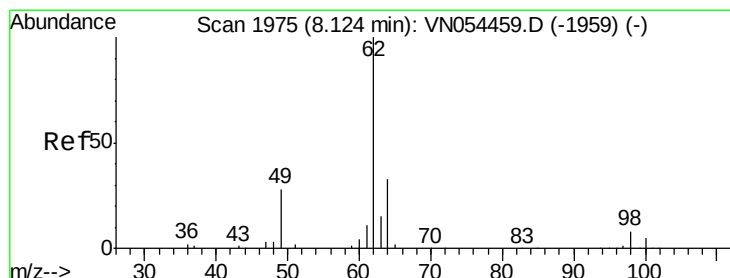
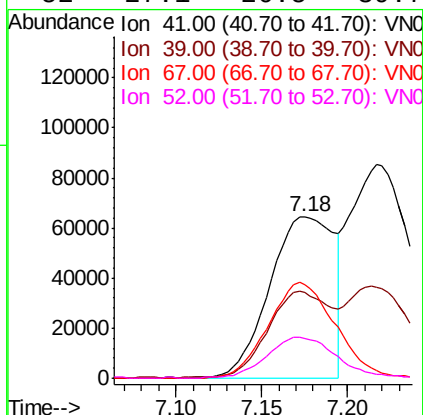
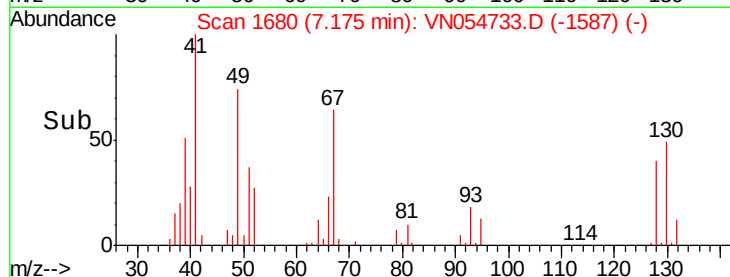
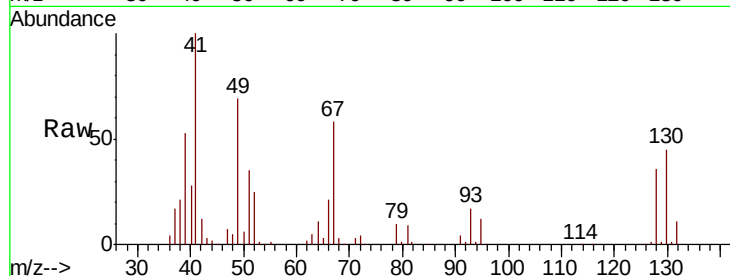




#41
Methacrylonitrile
Concen: 56.657 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

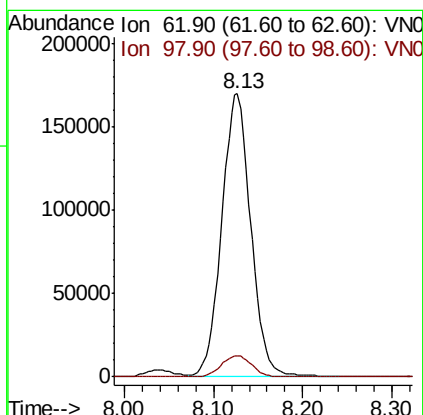
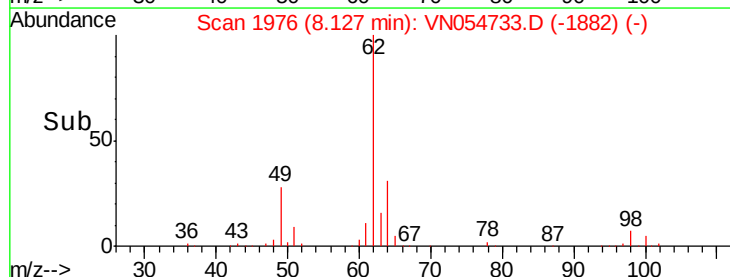
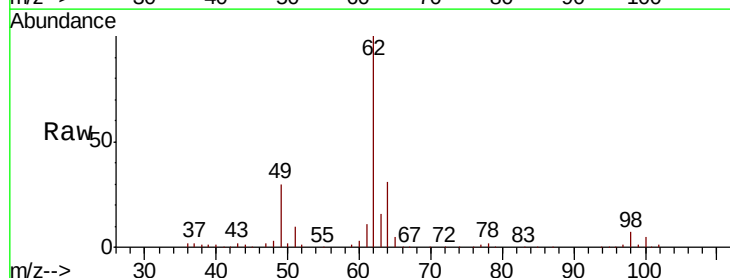
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

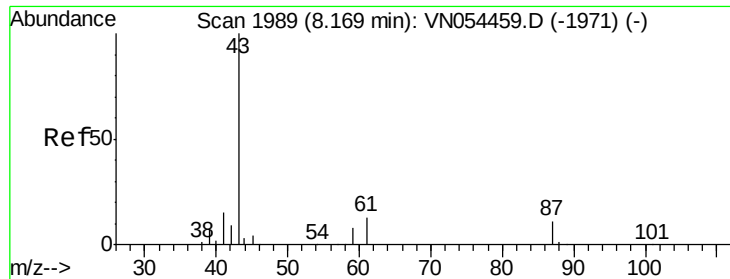
Tot Ion: 41 Resp: 167228
Ion Ratio Lower Upper
41 100
39 52.7 46.8 70.2
67 62.7 67.0 100.4#
52 27.1 26.5 39.7



#42
1,2-Dichloroethane
Concen: 53.804 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Tgt Ion: 62 Resp: 381280
Ion Ratio Lower Upper
62 100
98 7.8 0.0 18.4





#43

Isopropyl Acetate

Concen: 56.446 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

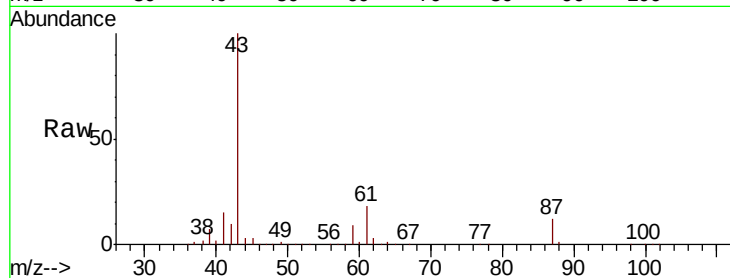
Tot Ion: 43 Resp: 461376

Ion Ratio Lower Upper

43 100

61 17.8 15.8 23.8

87 11.4 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054459.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054459.D (-1971) (-)

8.17

250000

200000

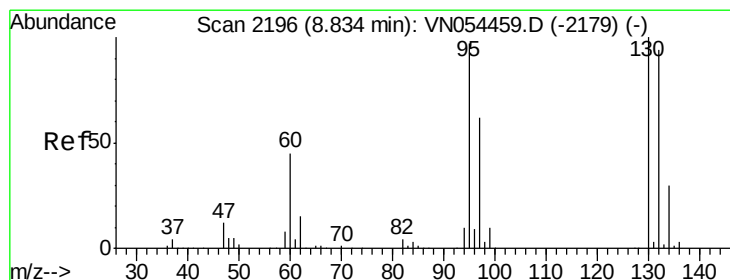
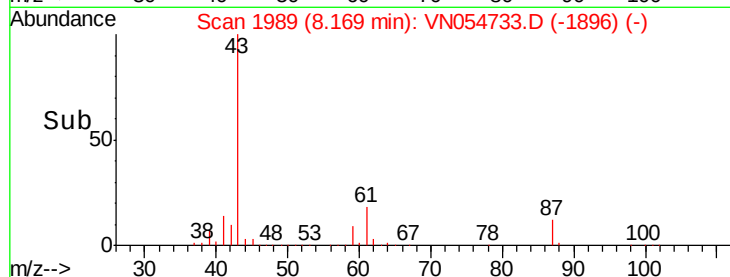
150000

100000

50000

0

Time--> 8.05 8.10 8.15 8.20 8.25



#44

Trichloroethene

Concen: 51.917 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054733.D

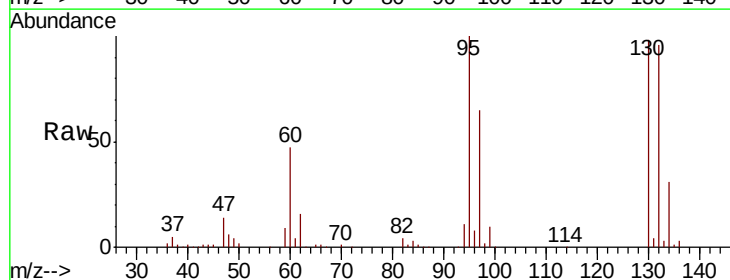
Acq: 28 Mar 2019 10:13

Tgt Ion:130 Resp: 280870

Ion Ratio Lower Upper

130 100

95 102.1 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054459.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN054459.D (-2179) (-)

8.83

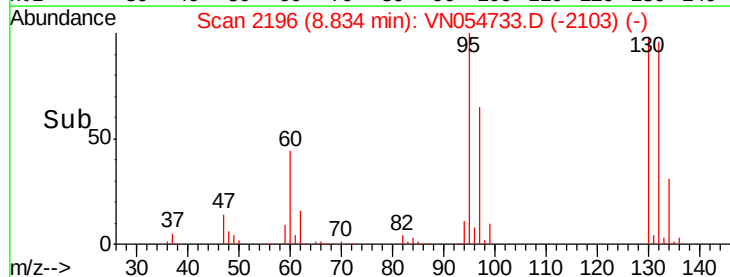
150000

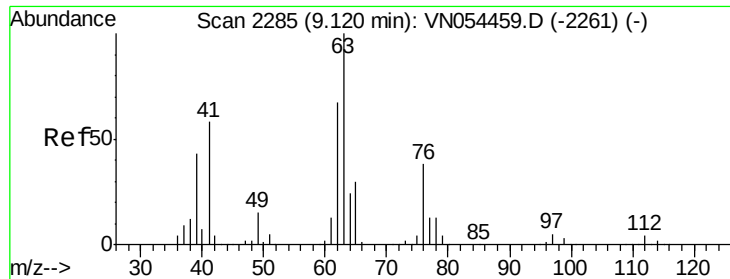
100000

50000

0

Time--> 8.70 8.80 8.90 9.00

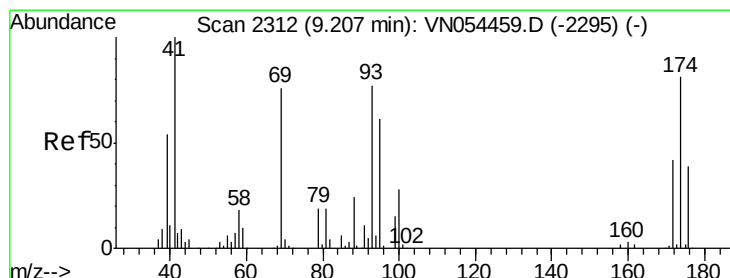
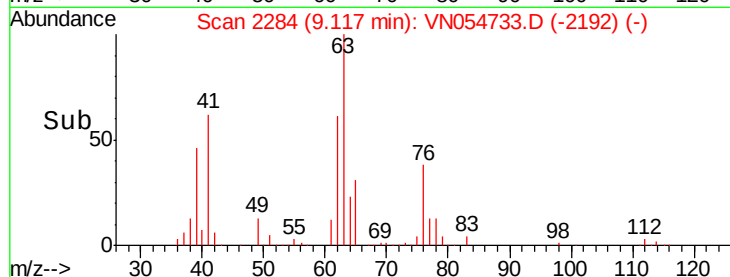
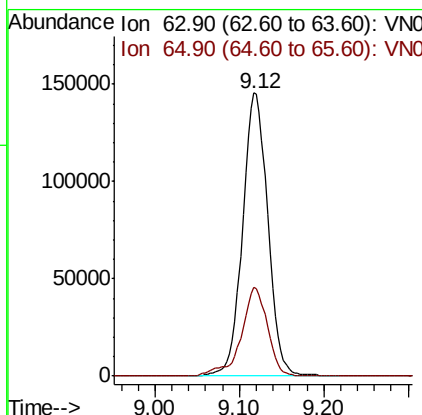
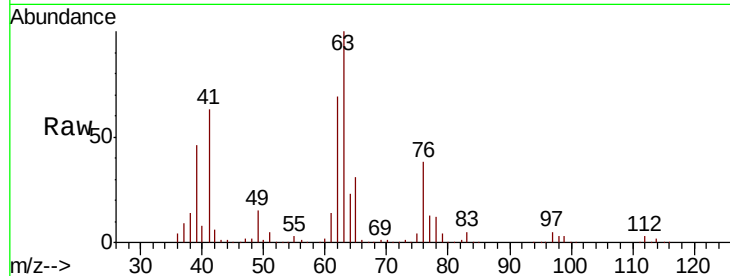




#45
 1,2-Dichloropropane
 Concen: 58.176 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

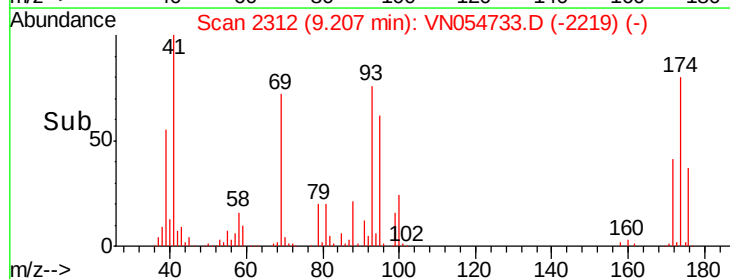
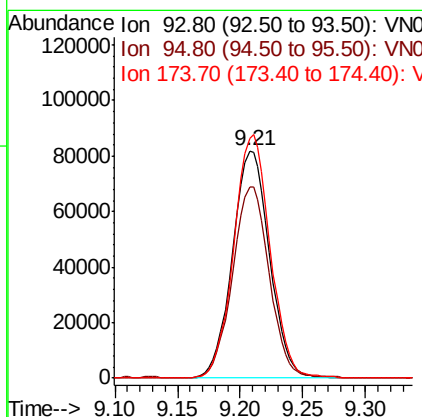
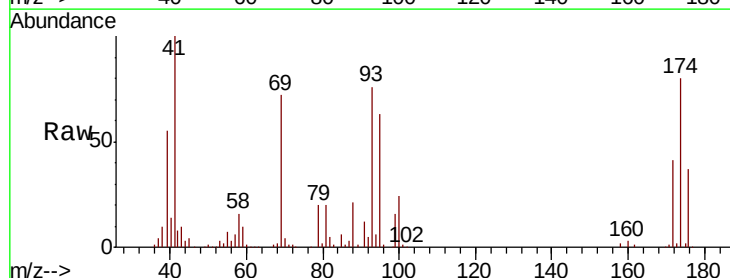
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

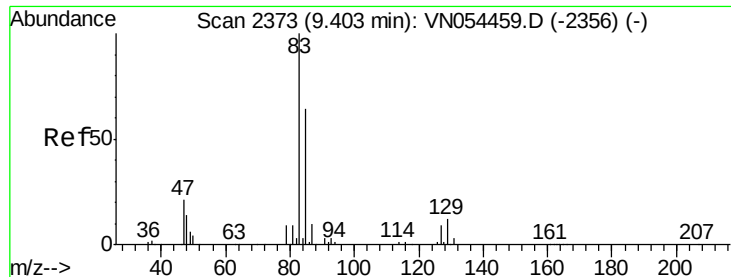
Tot Ion: 63 Resp: 303975
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.6



#46
 Dibromomethane
 Concen: 54.157 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

Tgt Ion: 93 Resp: 168815
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.7 100.1
 174 105.1 98.5 147.7





#47

Bromodichloromethane

Concen: 57.186 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

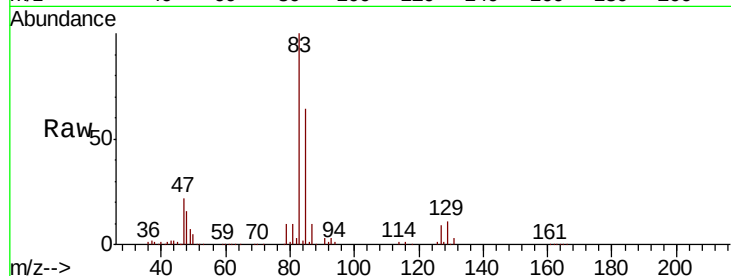
Tot Ion: 83 Resp: 369949

Ion Ratio Lower Upper

83 100

85 64.5 52.8 79.2

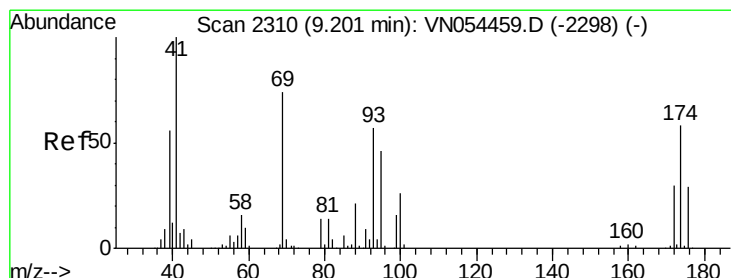
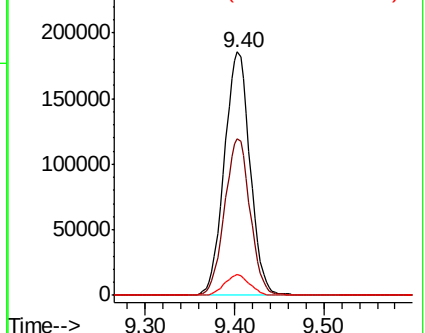
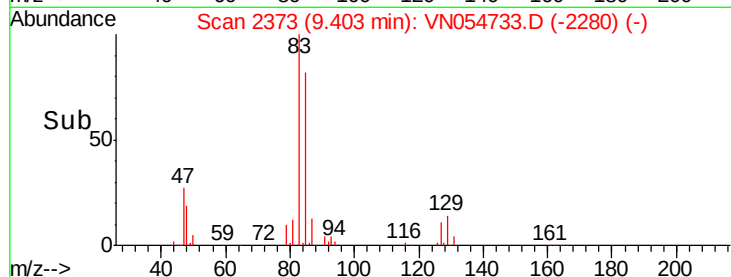
127 8.5 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054733.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054733.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054733.D (-2280) (-)



#48

Methyl methacrylate

Concen: 51.773 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

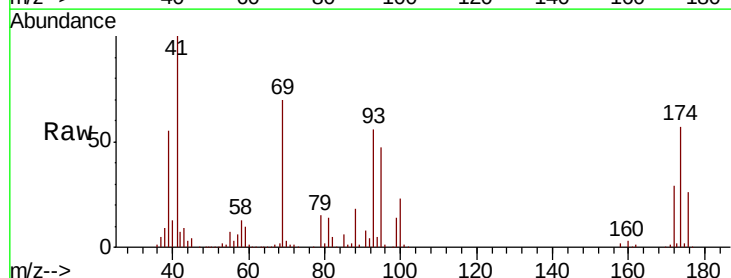
Tgt Ion: 41 Resp: 229686

Ion Ratio Lower Upper

41 100

69 74.8 72.6 108.8

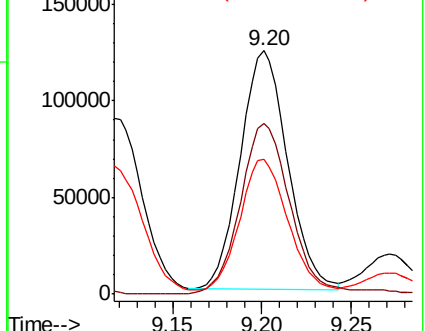
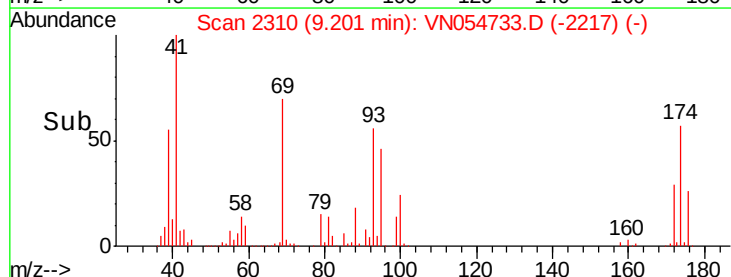
39 57.6 47.5 71.3

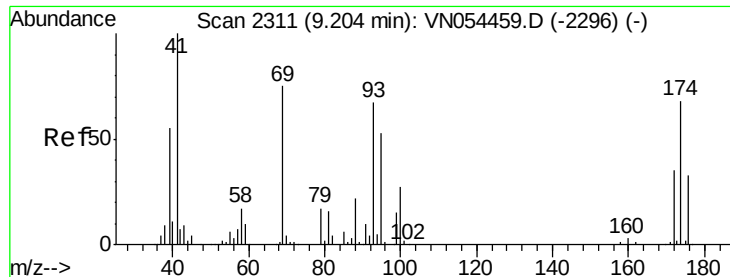


Abundance Ion 41.00 (40.70 to 41.70): VN054733.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054733.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054733.D (-2217) (-)





#49

1,4-Dioxane

Concen: 991.052 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

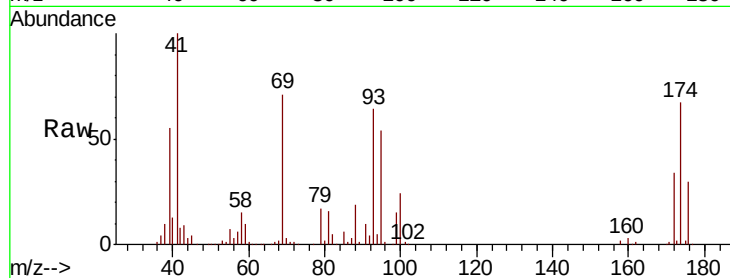
Tot Ion: 88 Resp: 49153

Ion Ratio Lower Upper

88 100

43 40.1 24.1 36.1#

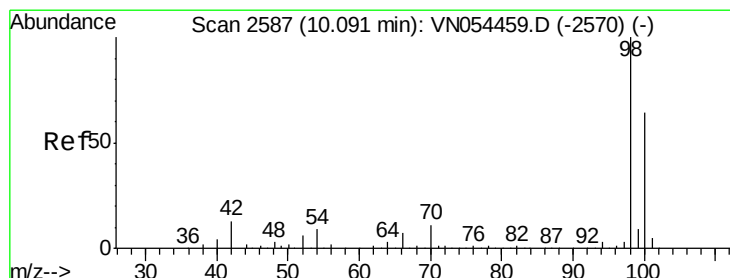
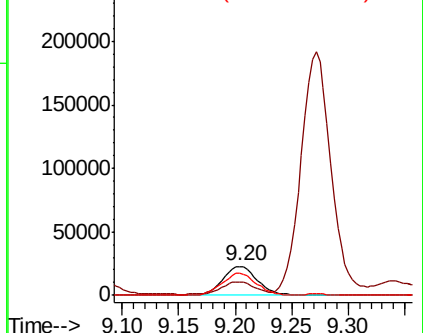
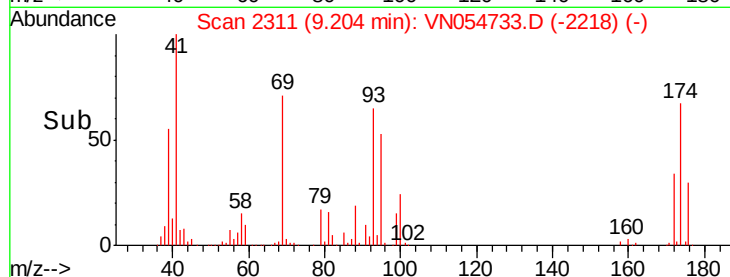
58 75.1 50.8 76.2



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 48.097 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054733.D

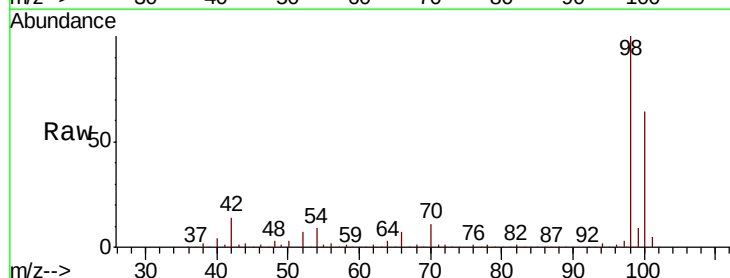
Acq: 28 Mar 2019 10:13

Tgt Ion: 98 Resp: 847790

Ion Ratio Lower Upper

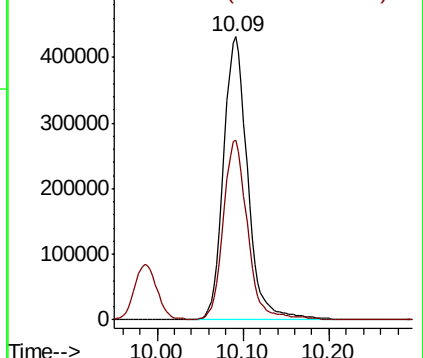
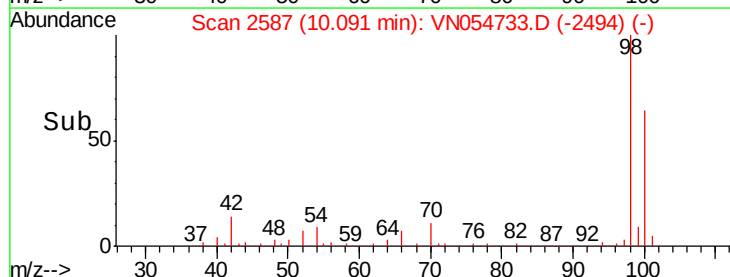
98 100

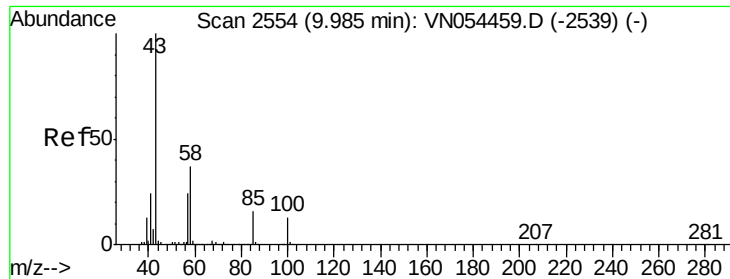
100 63.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

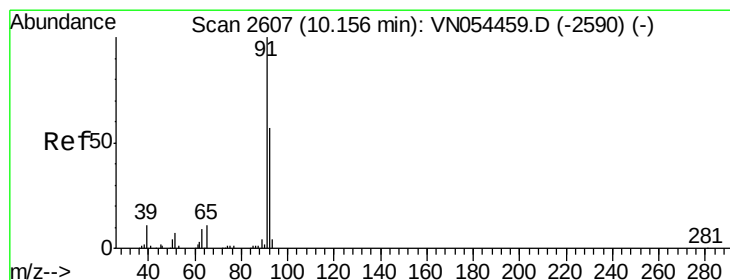
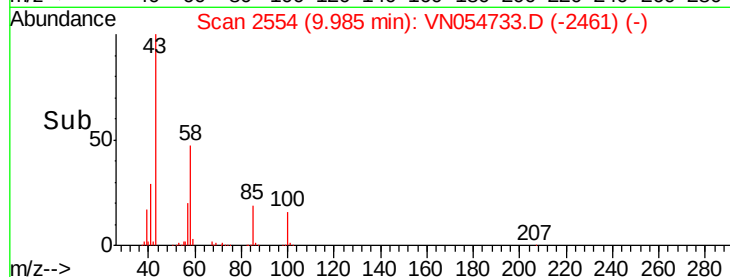
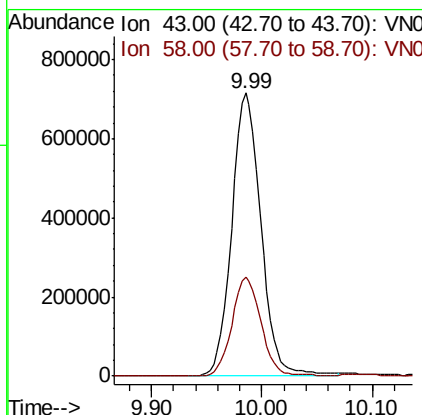
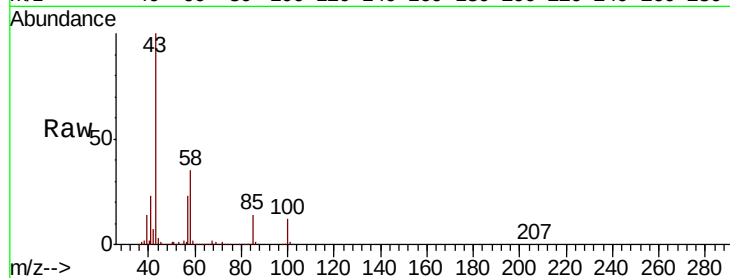




#51
 4-Methyl-2-Pentanone
 Concen: 289.313 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

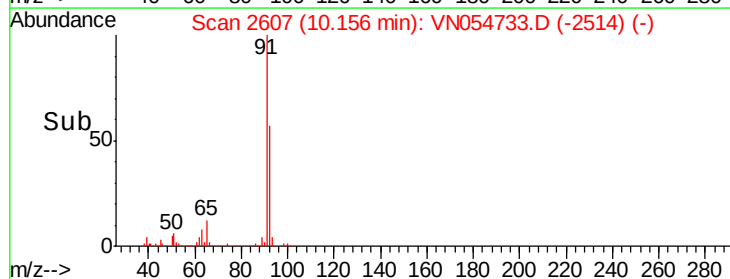
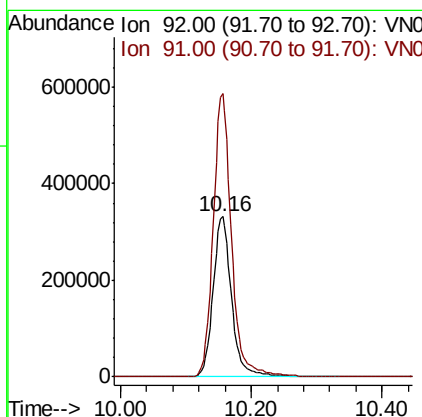
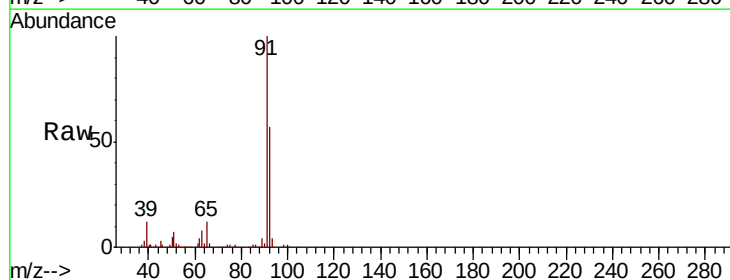
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

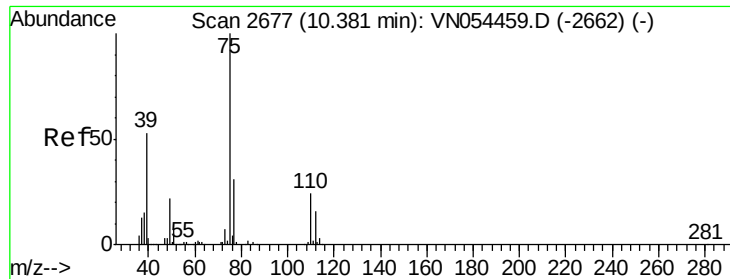
Tot Ion: 43 Resp: 1310574
 Ion Ratio Lower Upper
 43 100
 58 34.9 31.8 47.6



#52
 Toluene
 Concen: 54.712 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

Tgt Ion: 92 Resp: 654801
 Ion Ratio Lower Upper
 92 100
 91 174.0 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 52.477 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

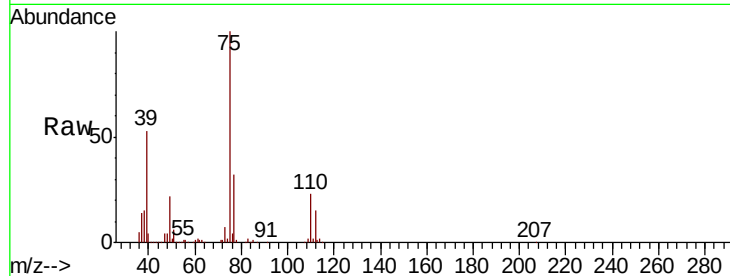
VSTDCCC050

Tot Ion: 75 Resp: 358910

Ion Ratio Lower Upper

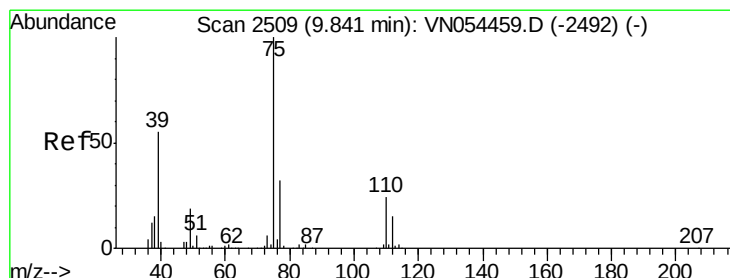
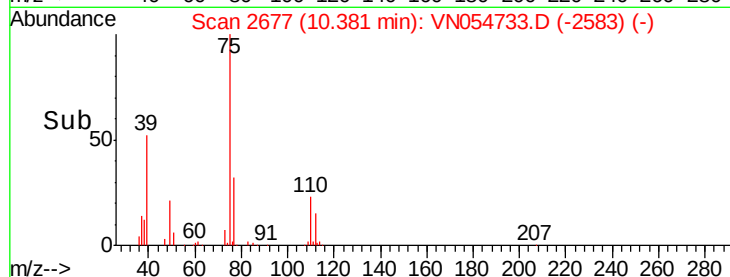
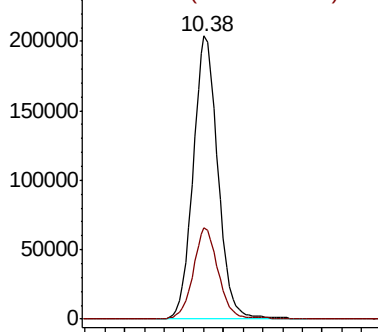
75 100

77 31.9 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO



#54

cis-1,3-Dichloropropene

Concen: 59.052 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

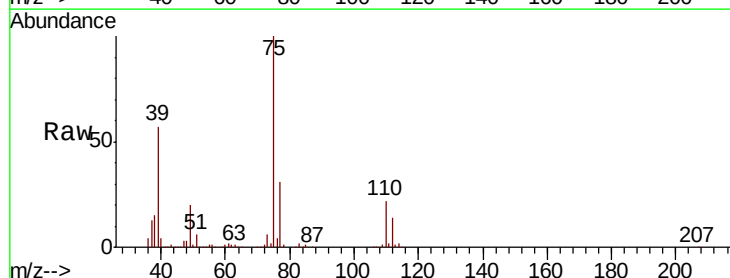
Tgt Ion: 75 Resp: 438029

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

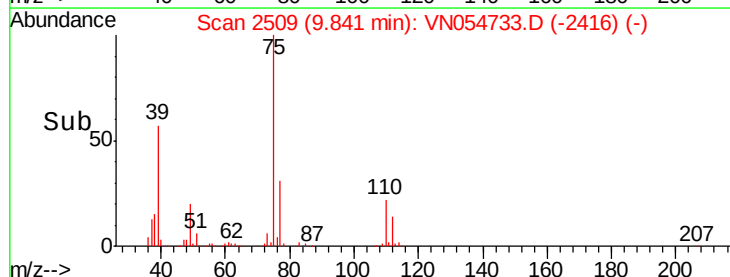
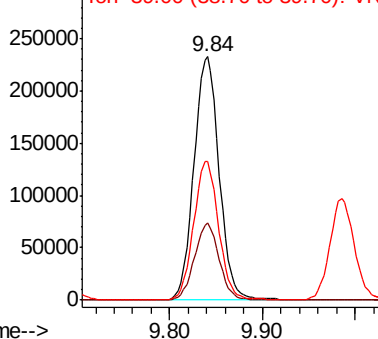
39 56.6 37.2 55.8#

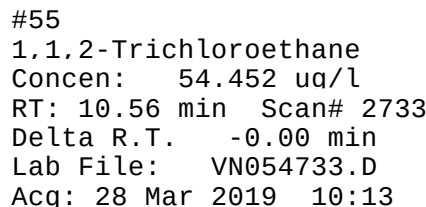


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

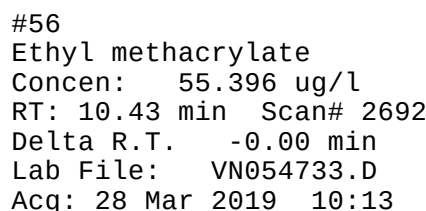
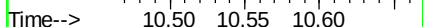
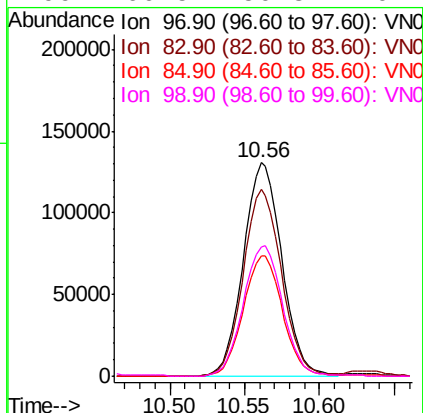
Ion 39.00 (38.70 to 39.70): VNO



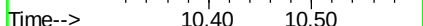
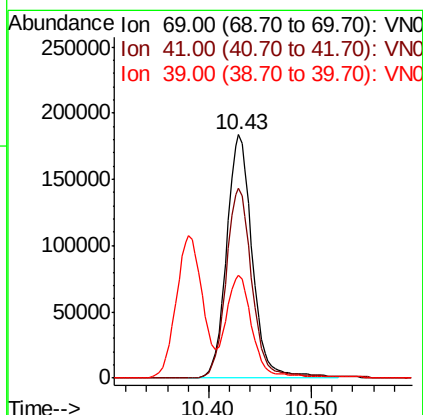


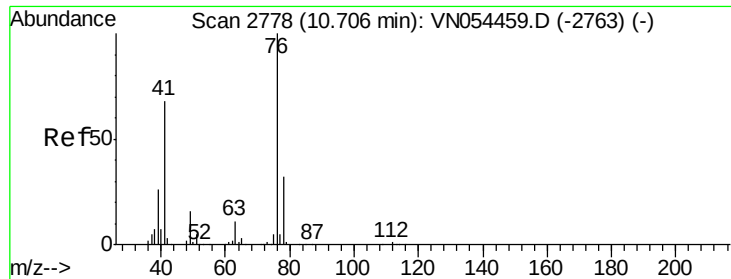
Instrument : MSVOA_N
ClientSampleId : VSTDCCC050

Tat	Ion: 97	Resp:	234256
Ion	Ratio	Lower	Upper
97	100		
83	87.5	66.6	100.0
85	56.3	44.4	66.6
99	60.5	50.8	76.2



Tgt	Ion: 69	Resp:	319872
Ion	Ratio	Lower	Upper
69	100		
41	78.4	49.4	74.2#
39	41.5	28.3	42.5

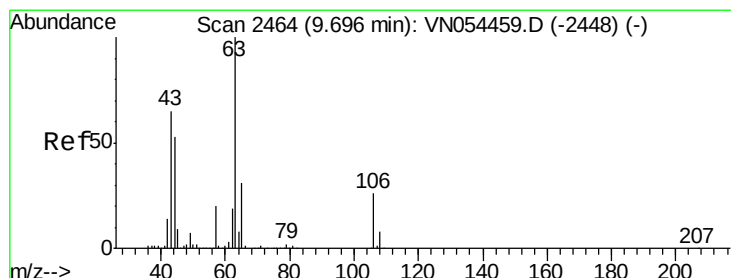
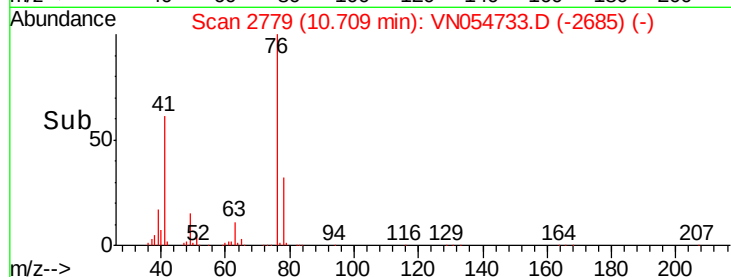
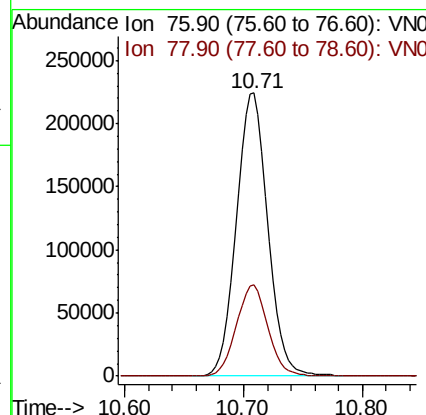
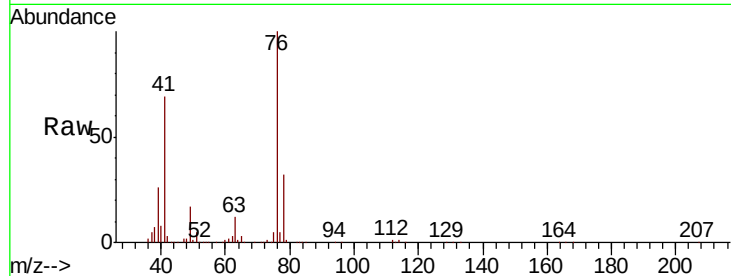




#57
 1,3-Dichloropropane
 Concen: 54.783 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

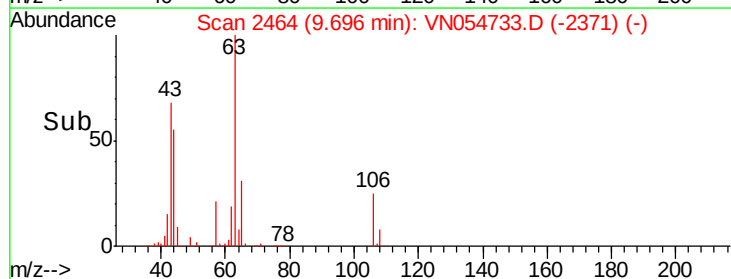
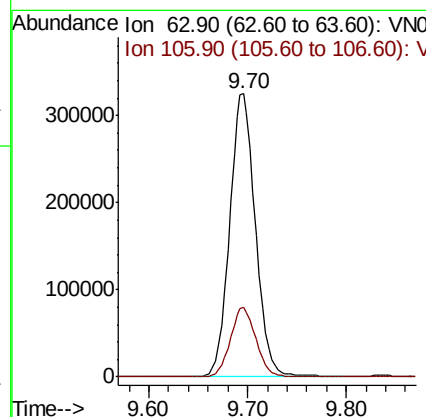
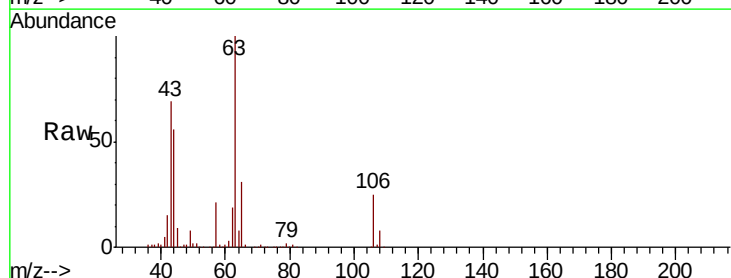
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

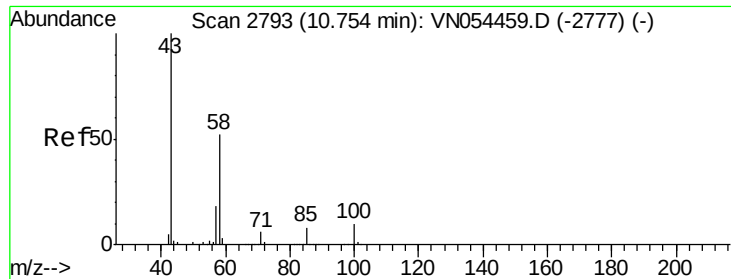
Tot Ion: 76 Resp: 409689
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 249.394 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

Tgt Ion: 63 Resp: 592988
 Ion Ratio Lower Upper
 63 100
 106 24.3 24.4 36.6#





#59

2-Hexanone

Concen: 323.604 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

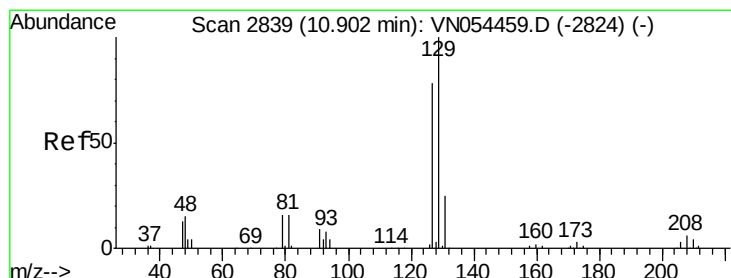
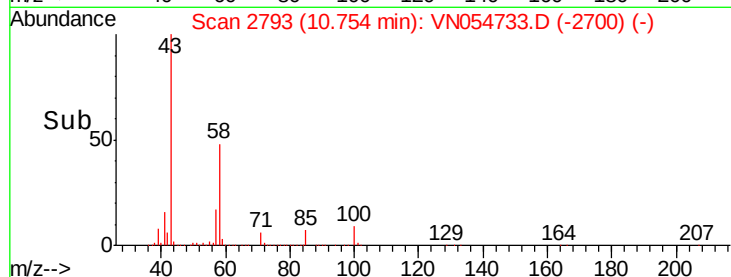
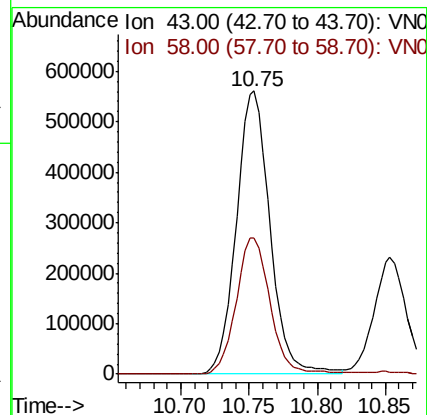
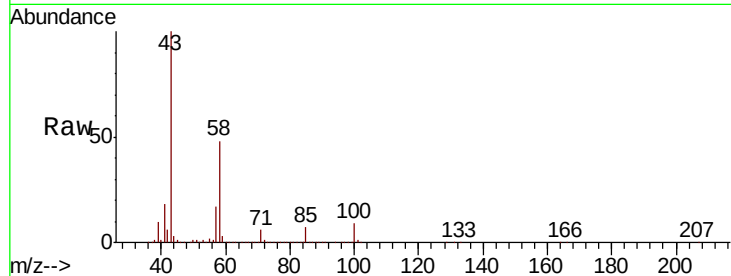
VSTDCCC050

Tot Ion: 43 Resp: 957517

Ion Ratio Lower Upper

43 100

58 48.8 28.0 83.9



#60

Dibromochloromethane

Concen: 56.293 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN054733.D

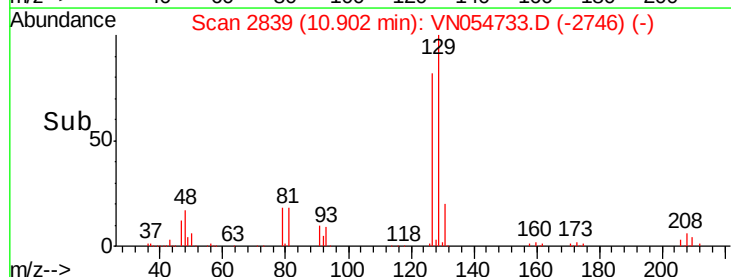
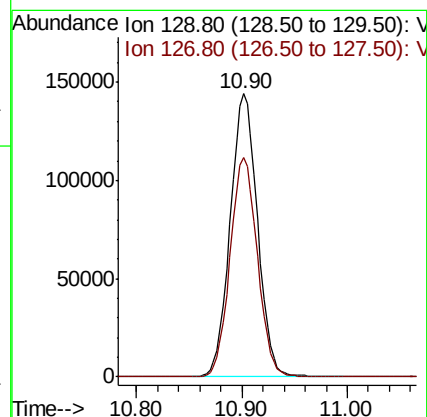
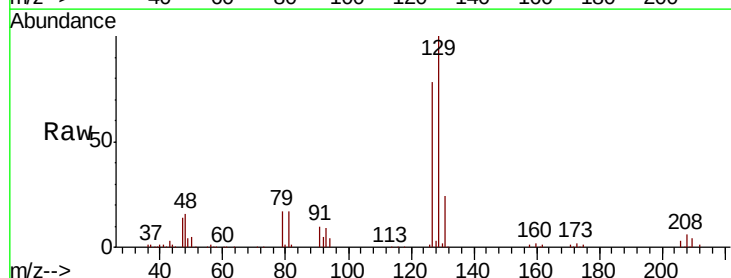
Acq: 28 Mar 2019 10:13

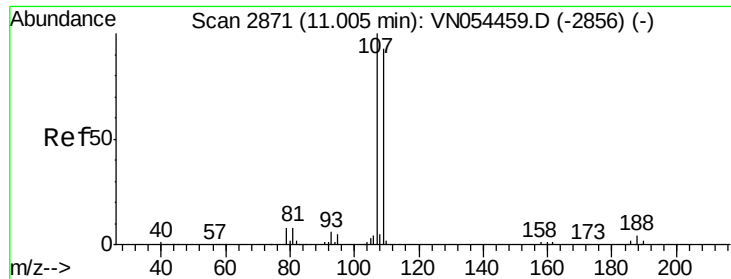
Tgt Ion: 129 Resp: 257699

Ion Ratio Lower Upper

129 100

127 77.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 53.765 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

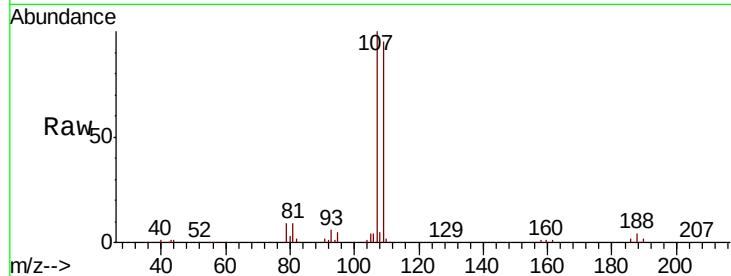
VSTDCCC050

Tot Ion:107 Resp: 228668

Ion Ratio Lower Upper

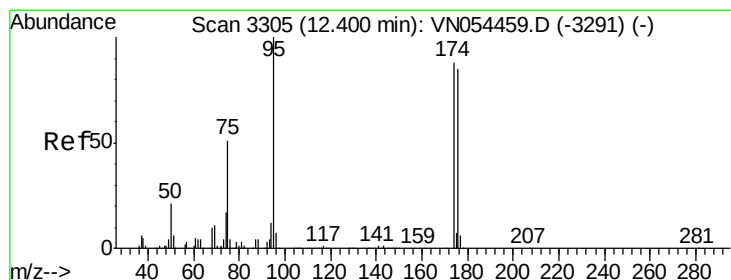
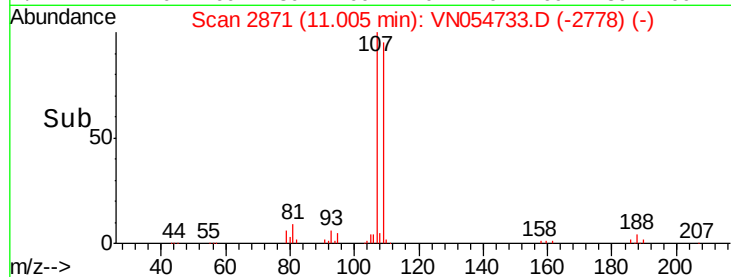
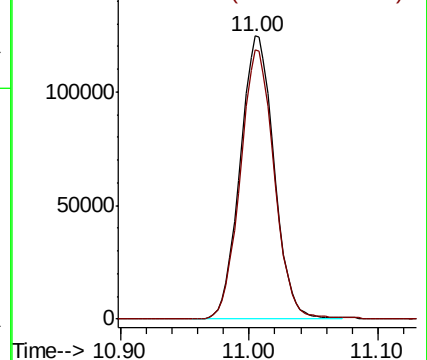
107 100

109 94.8 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.430 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

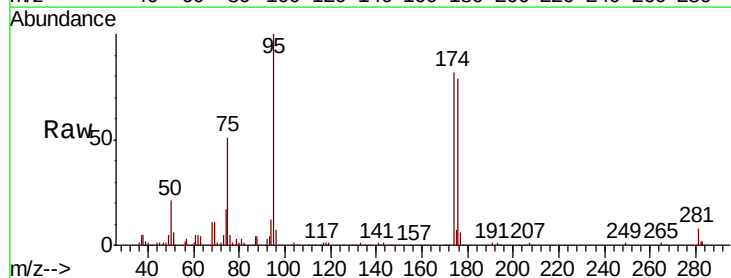
Tgt Ion: 95 Resp: 302484

Ion Ratio Lower Upper

95 100

174 82.7 0.0 191.0

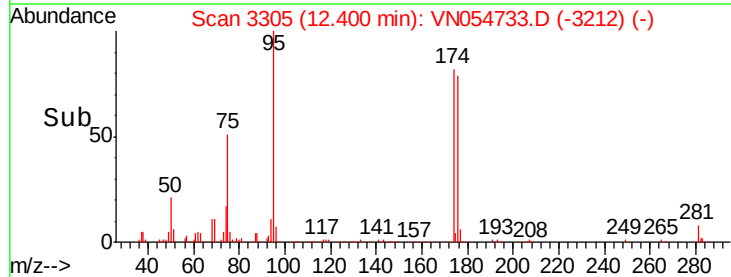
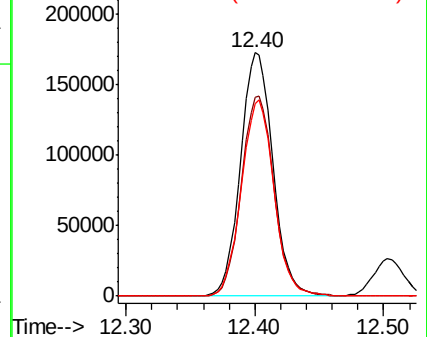
176 80.8 0.0 187.4

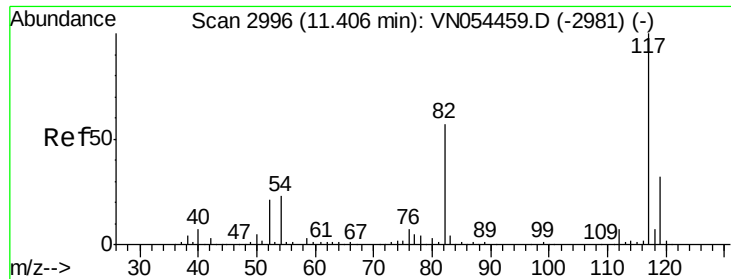


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

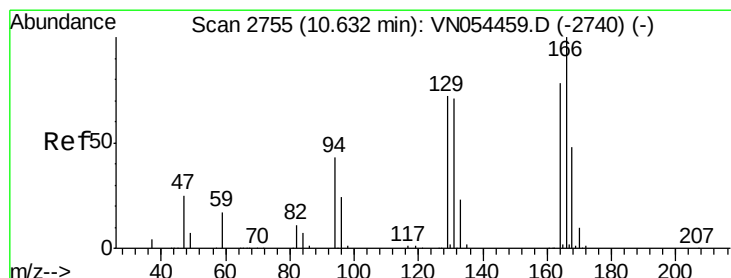
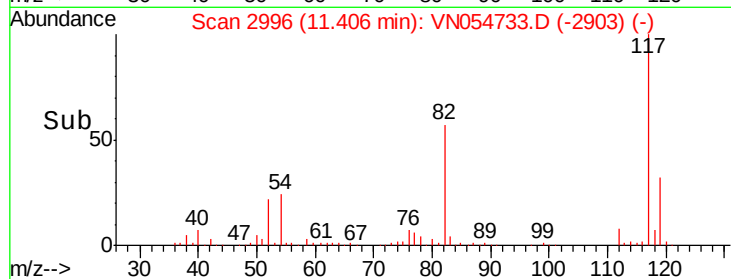
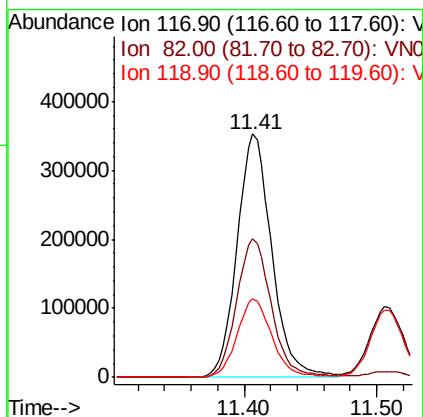
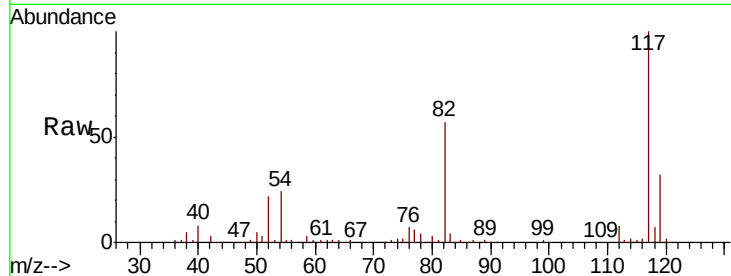




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

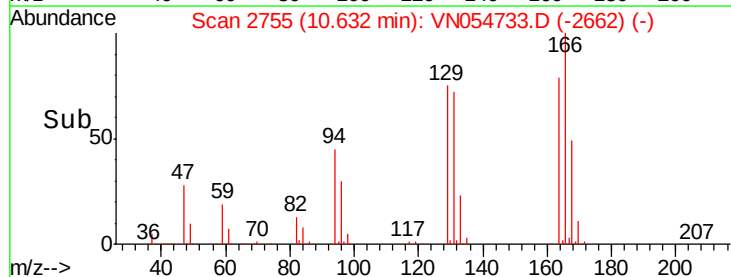
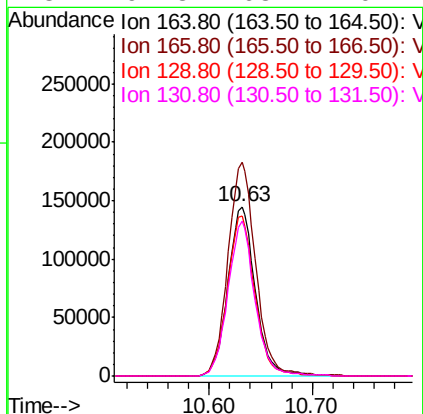
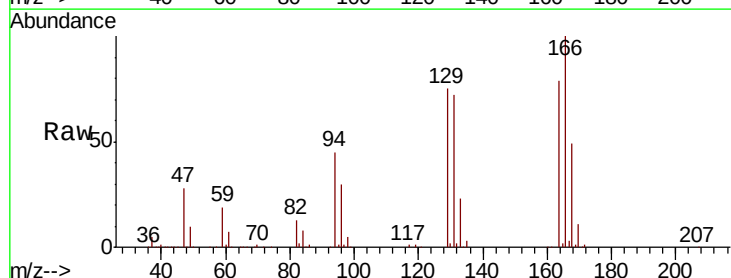
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

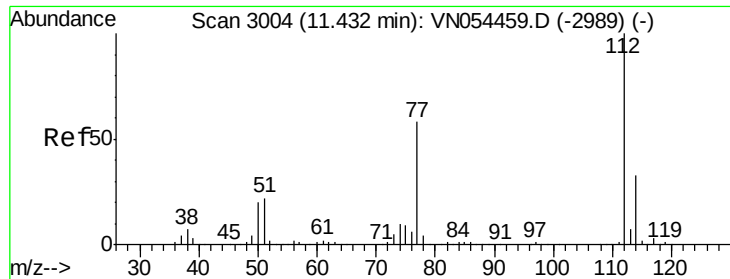
Tot Ion:117 Resp: 641282
Ion Ratio Lower Upper
117 100
82 56.8 40.0 60.0
119 32.2 25.8 38.6



#64
Tetrachloroethene
Concen: 50.410 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Tgt Ion:164 Resp: 268141
Ion Ratio Lower Upper
164 100
166 126.4 103.9 155.9
129 94.6 71.1 106.7
131 91.3 68.2 102.4

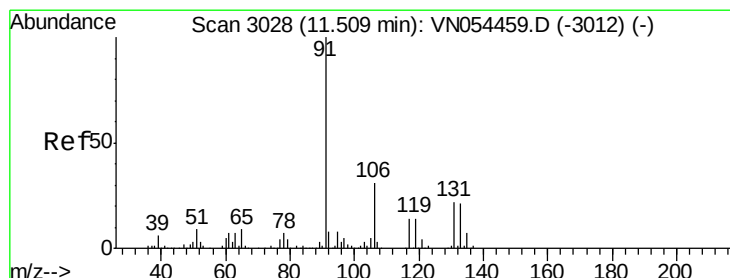
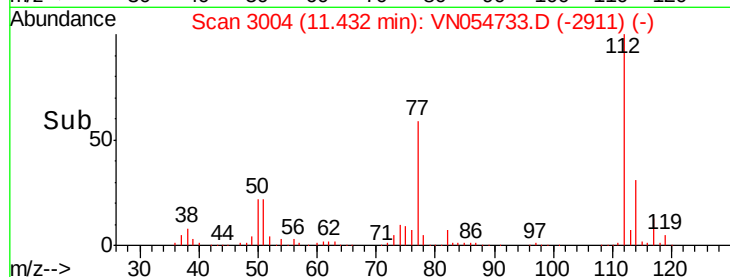
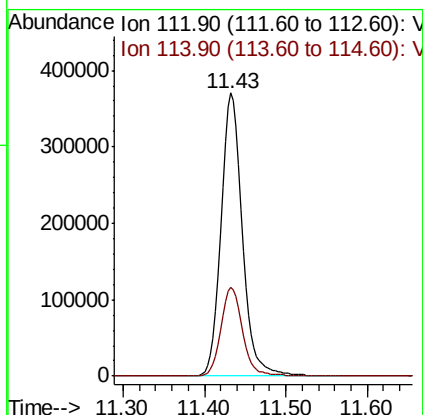
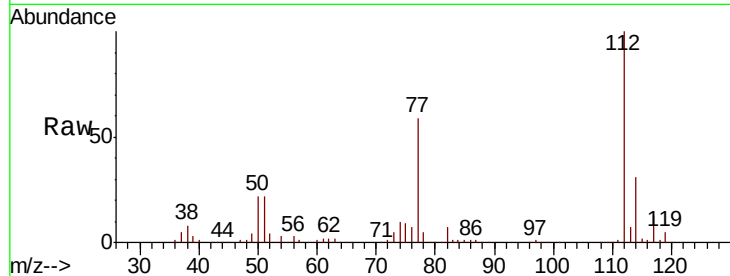




#65
Chlorobenzene
Concen: 52.700 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

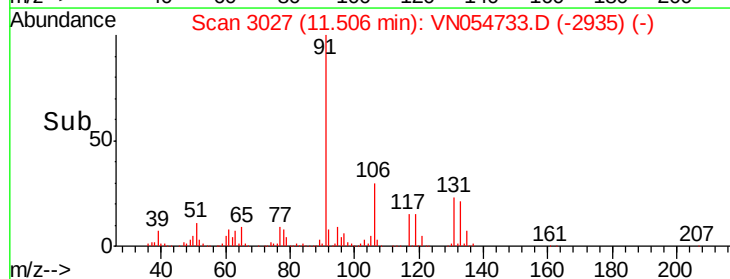
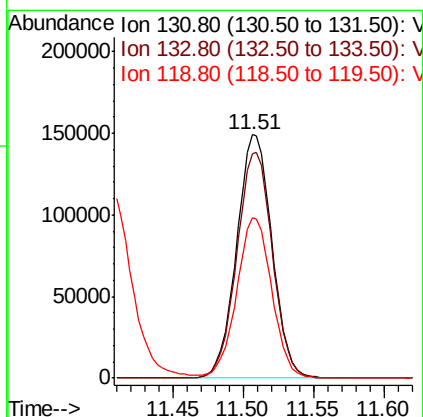
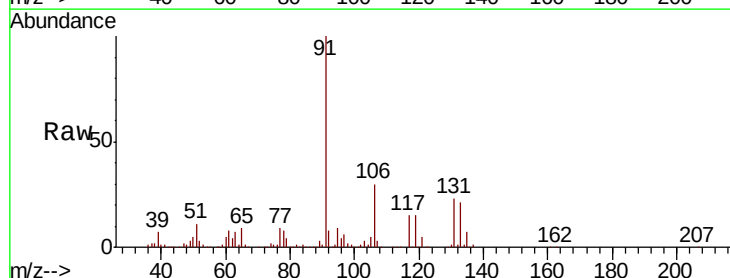
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

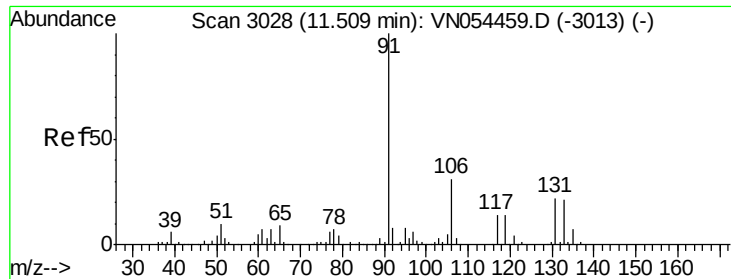
Tot Ion:112 Resp: 687366
Ion Ratio Lower Upper
112 100
114 31.3 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 55.802 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Tgt Ion:131 Resp: 261239
Ion Ratio Lower Upper
131 100
133 93.6 47.6 142.9
119 65.6 32.4 97.0

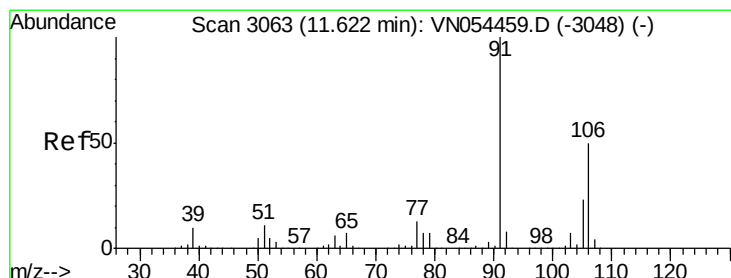
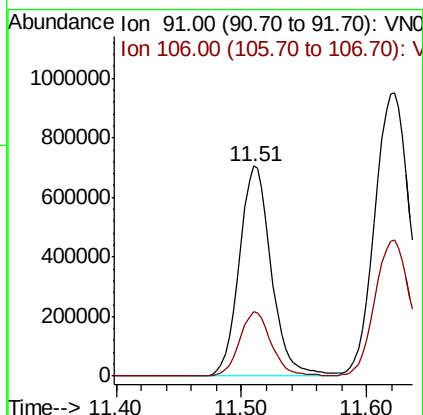
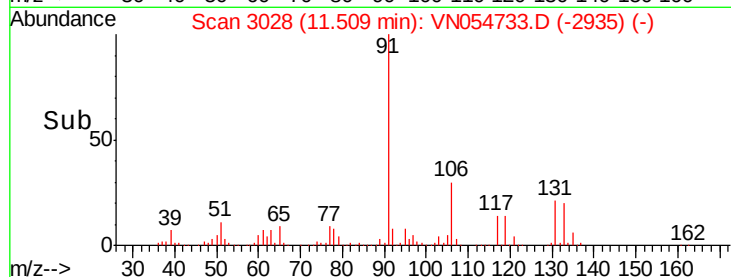
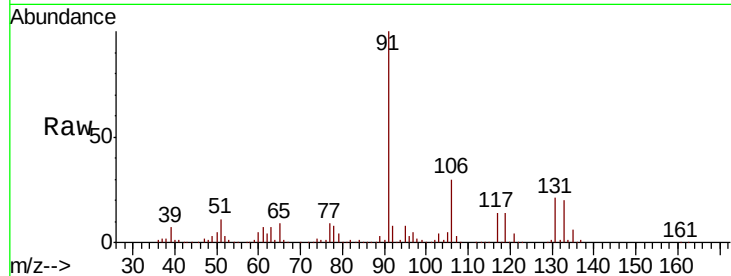




#67
Ethyl Benzene
Concen: 54.487 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

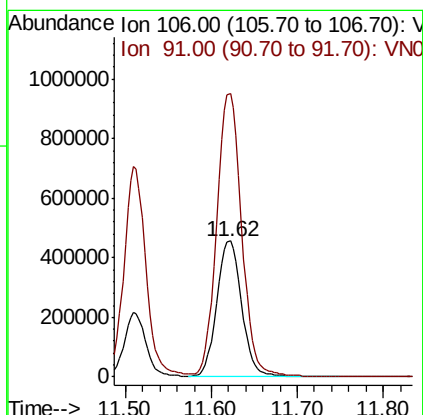
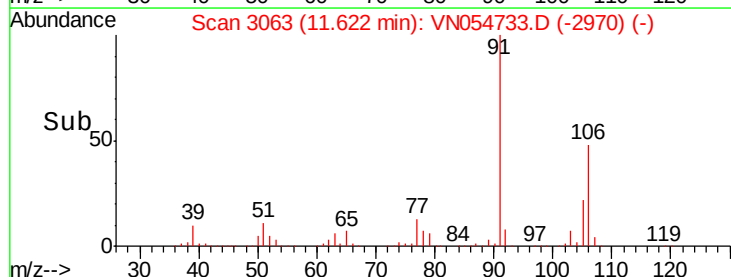
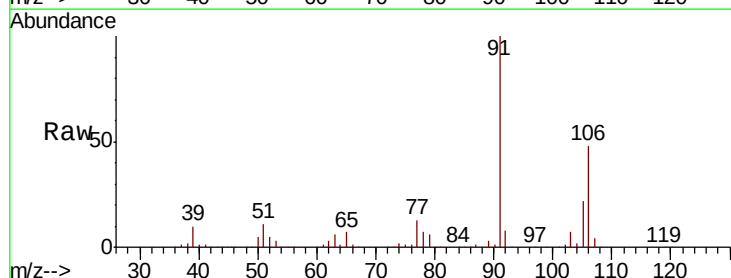
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

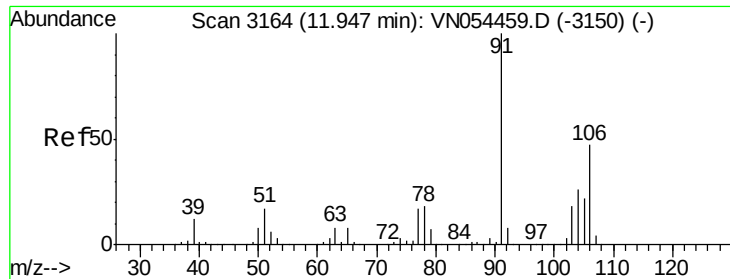
Tot Ion: 91 Resp: 1255362
Ion Ratio Lower Upper
91 100
106 30.4 25.5 38.3



#68
m/p-Xylenes
Concen: 106.173 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Tgt Ion: 106 Resp: 926543
Ion Ratio Lower Upper
106 100
91 208.3 159.4 239.2

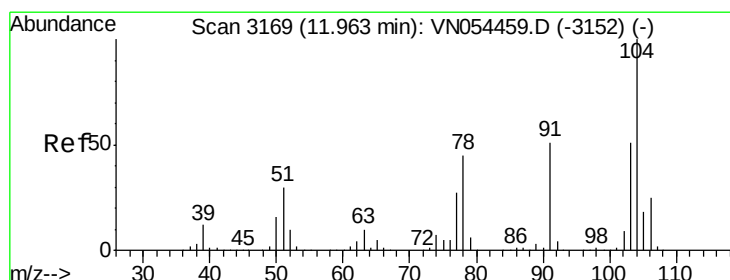
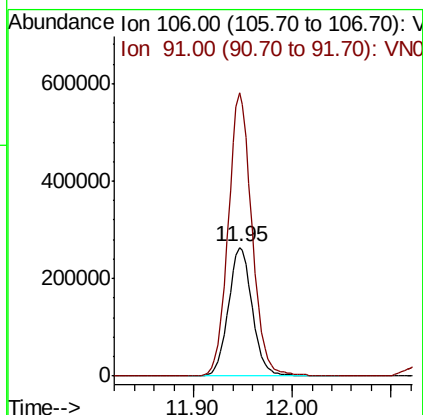
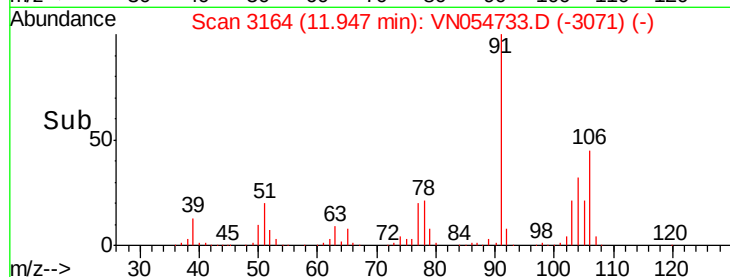
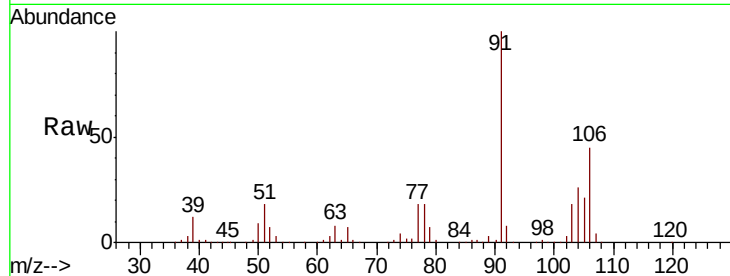




#69
o-Xylene
Concen: 52.570 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

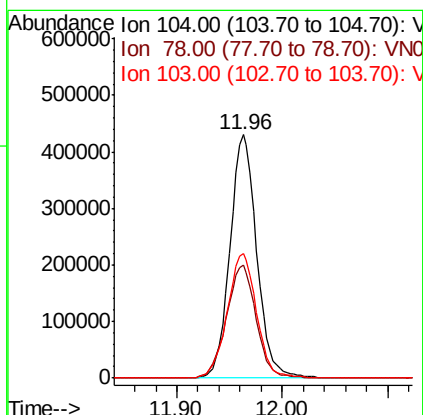
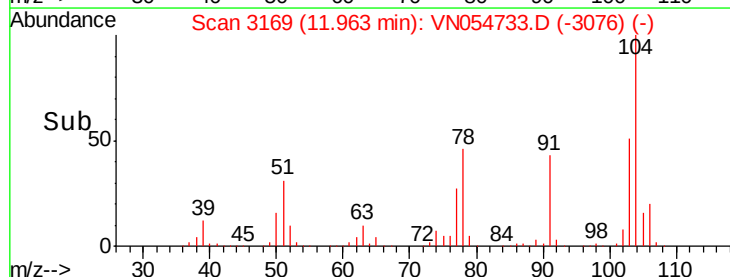
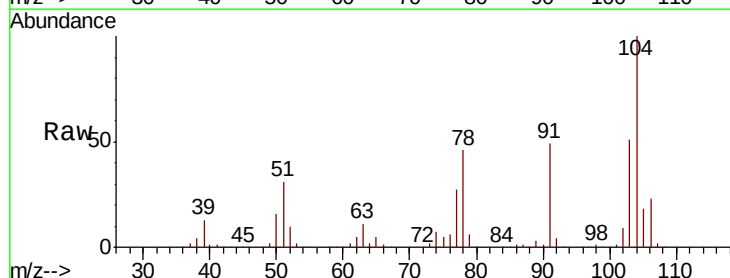
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

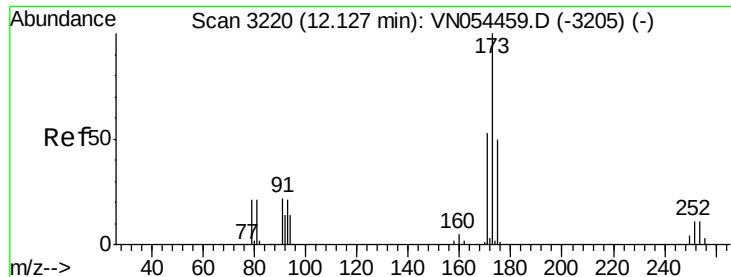
Tot Ion:106 Resp: 448029
Ion Ratio Lower Upper
106 100
91 218.0 105.7 317.1



#70
Styrene
Concen: 54.524 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Tgt Ion:104 Resp: 754616
Ion Ratio Lower Upper
104 100
78 51.6 38.2 57.2
103 55.9 44.4 66.6





#71

Bromoform

Concen: 49.284 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

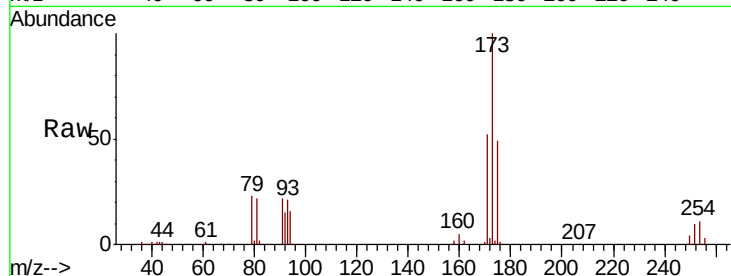
Tot Ion:173 Resp: 158960

Ion Ratio Lower Upper

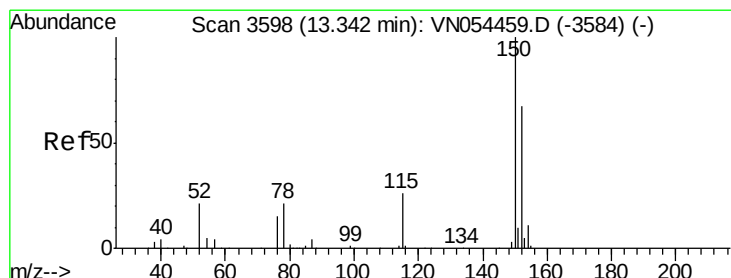
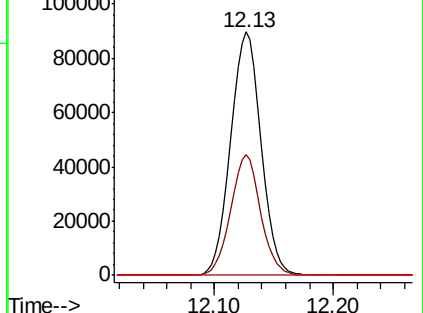
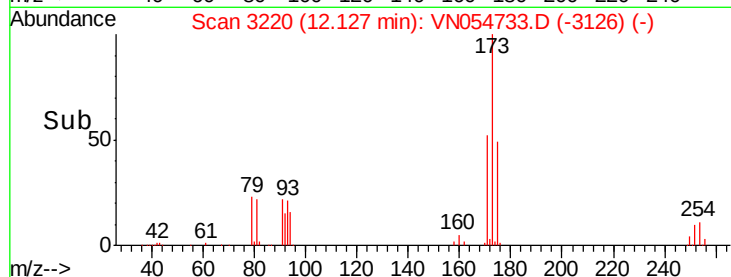
173 100

175 48.5 24.4 73.2

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

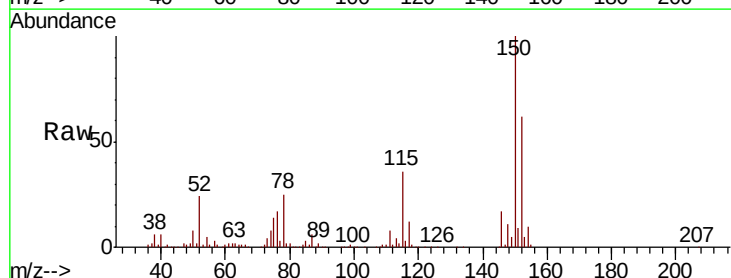
Tgt Ion:152 Resp: 286373

Ion Ratio Lower Upper

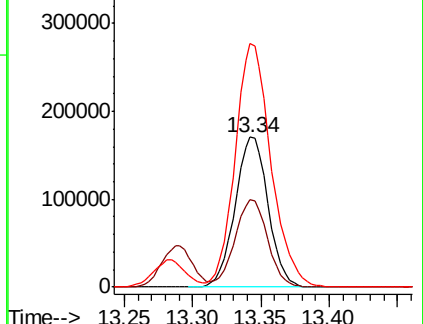
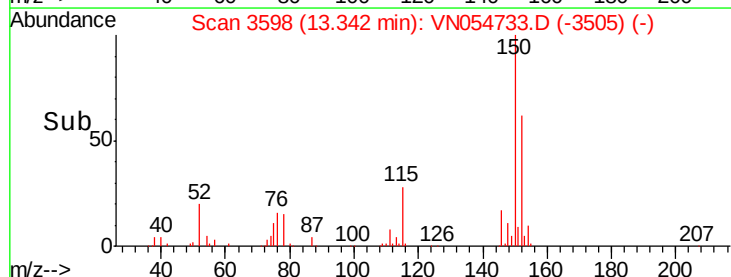
152 100

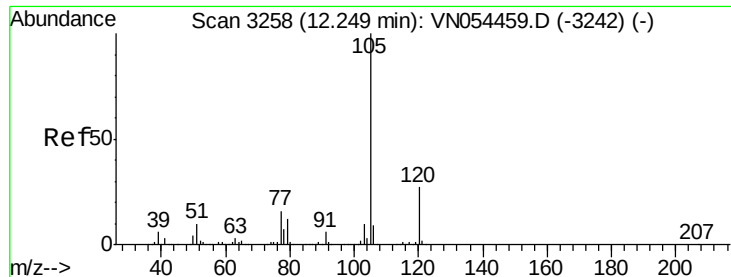
115 57.9 27.2 81.6

150 176.5 0.0 349.2



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: 51.786 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

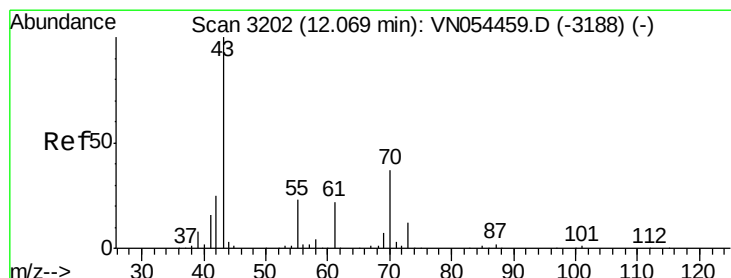
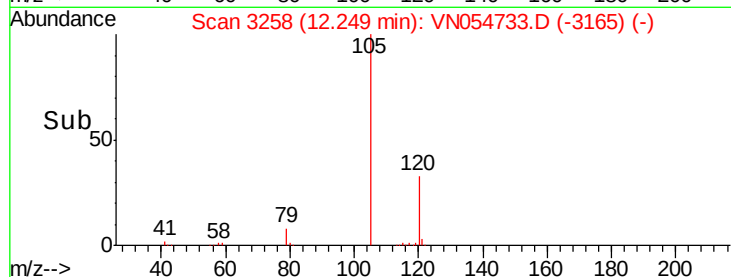
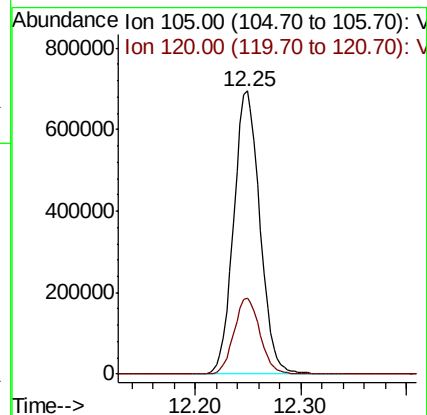
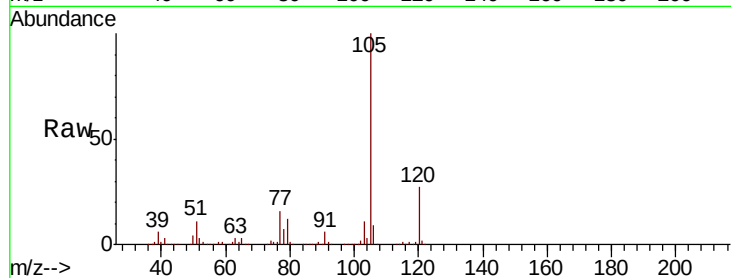
VSTDCCC050

Tot Ion:105 Resp: 1195035

Ion Ratio Lower Upper

105 100

120 26.7 13.8 41.3



#74

N-ethyl acetate

Concen: 58.628 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Tgt Ion: 43 Resp: 389013

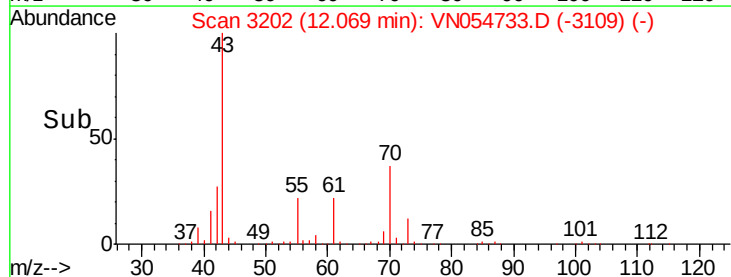
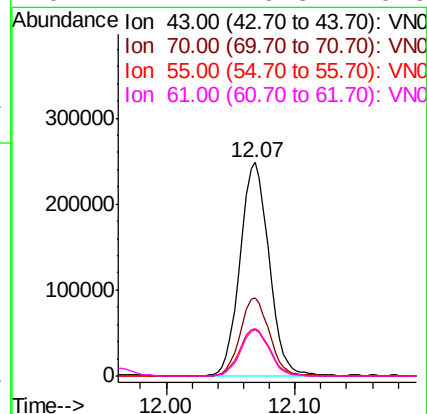
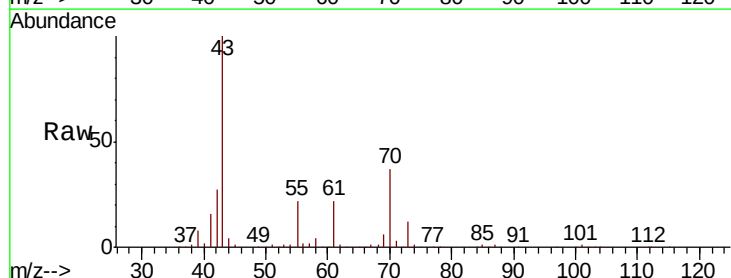
Ion Ratio Lower Upper

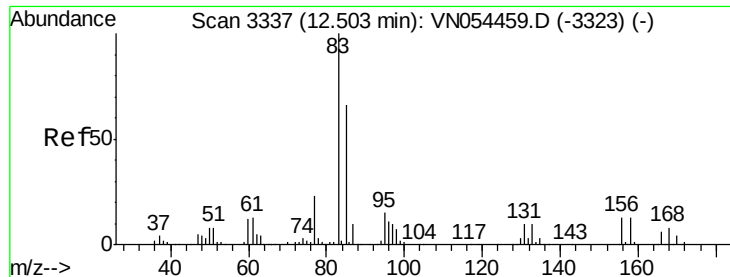
43 100

70 36.8 35.4 53.0

55 23.4 19.8 29.6

61 21.7 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 54.147 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

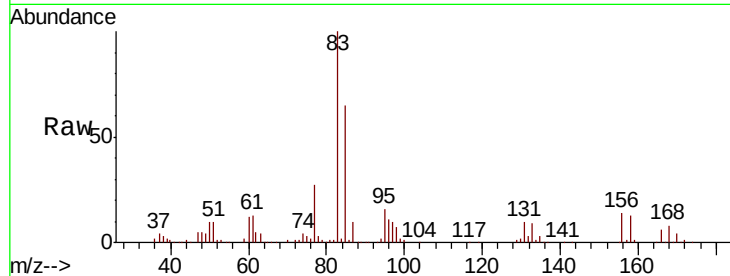
Tot Ion: 83 Resp: 285235

Ion Ratio Lower Upper

83 100

131 10.0 5.8 17.4

85 64.5 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054459.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN054459.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN054459.D (-3323) (-)

12.50

150000

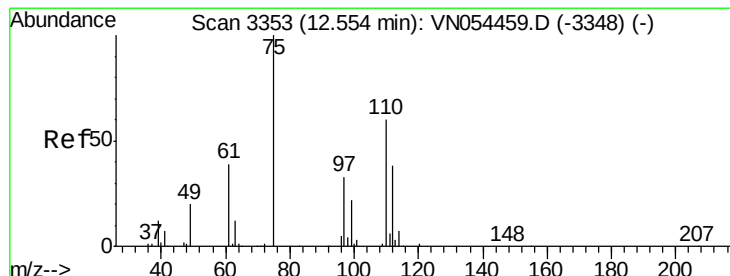
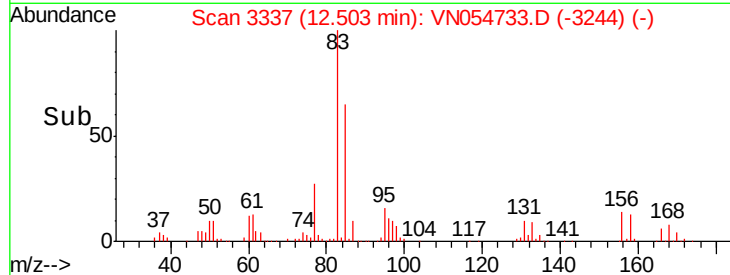
100000

50000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 76.919 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054733.D

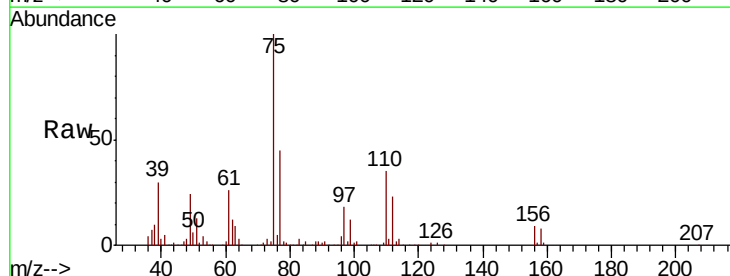
Acq: 28 Mar 2019 10:13

Tgt Ion: 75 Resp: 349545

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN054459.D (-3348) (-)

300000

250000

200000

150000

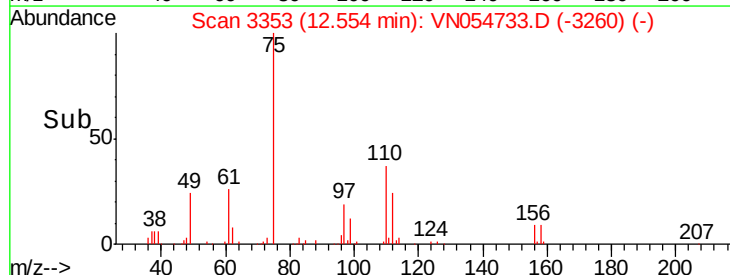
100000

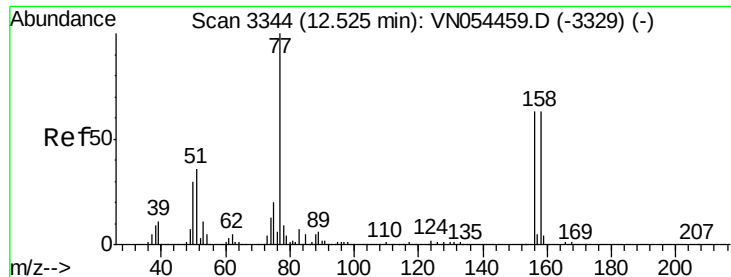
50000

0

12.50 12.55 12.60

Time-->





#77

Bromobenzene

Concen: 50.810 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

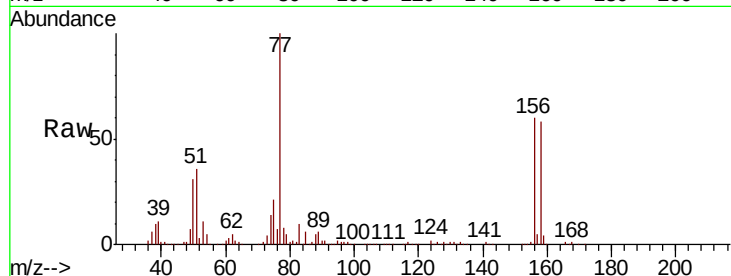
Tot Ion:156 Resp: 290798

Ion Ratio Lower Upper

156 100

77 195.9 81.5 244.4

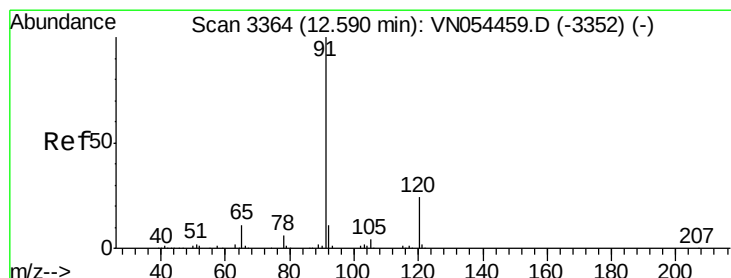
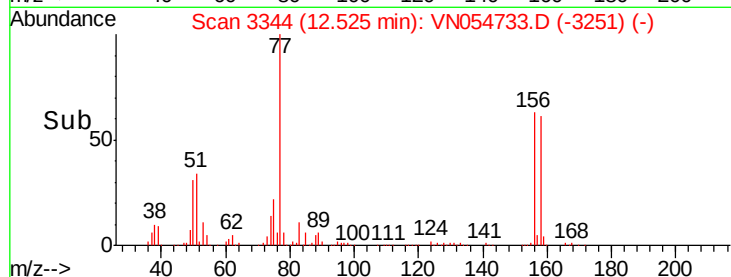
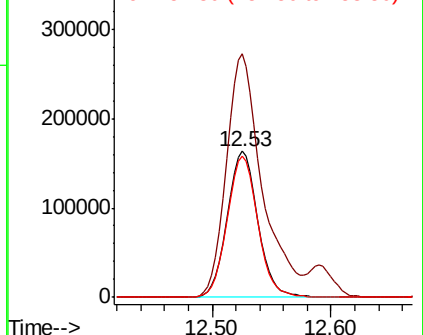
158 97.0 49.0 147.2



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: 54.530 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054733.D

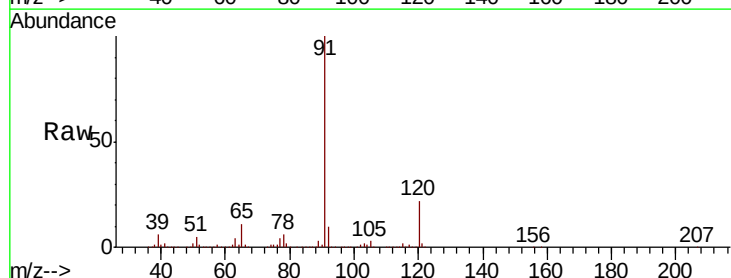
Acq: 28 Mar 2019 10:13

Tgt Ion: 91 Resp: 1364510

Ion Ratio Lower Upper

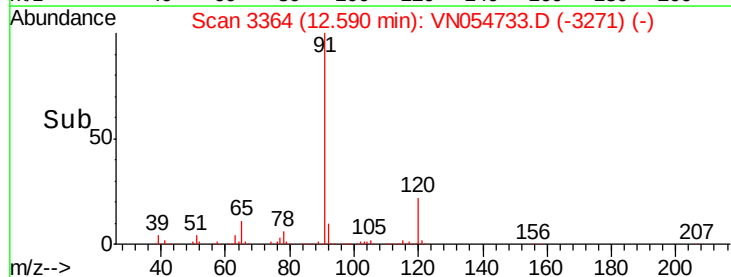
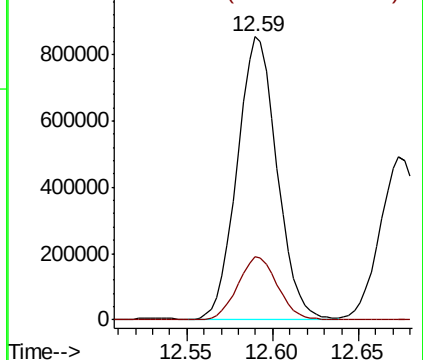
91 100

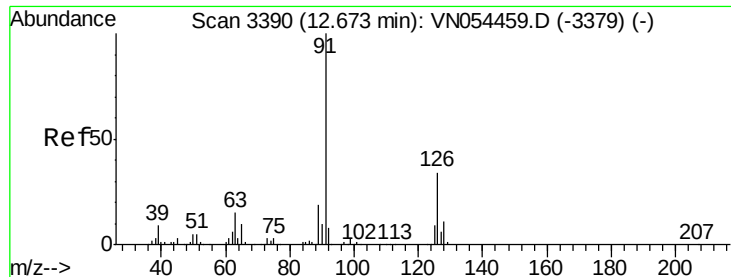
120 22.5 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.974 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampled :

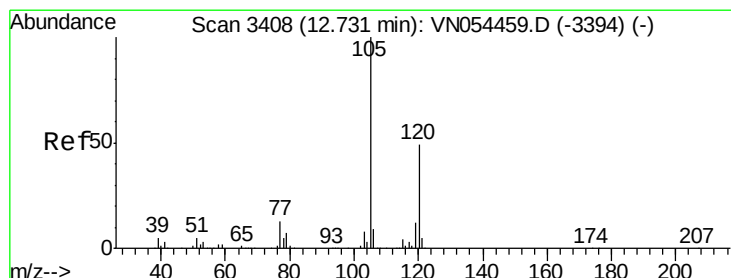
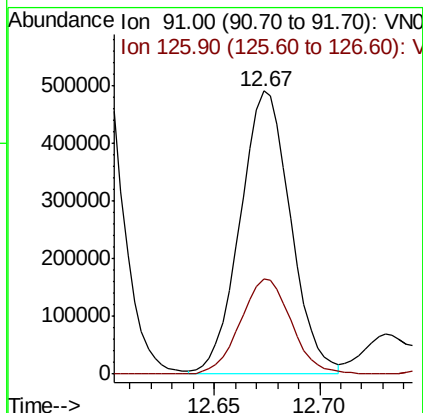
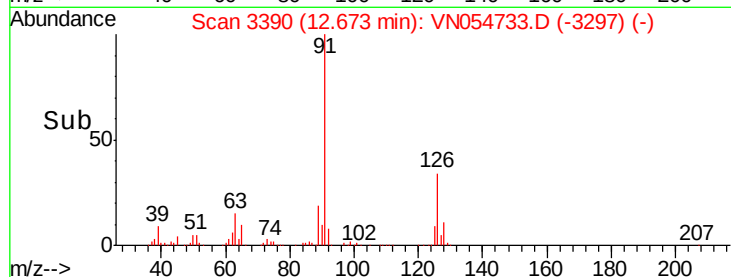
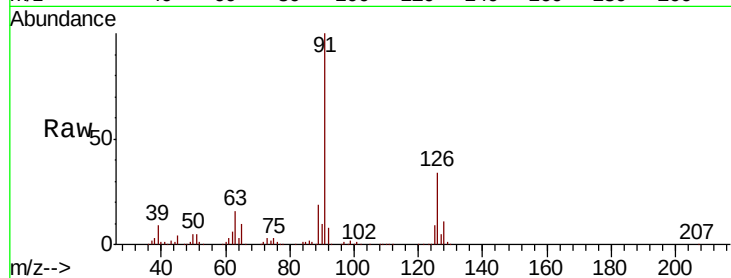
VSTDCCC050

Tot Ion: 91 Resp: 811028

Ion Ratio Lower Upper

91 100

126 34.2 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 51.772 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054733.D

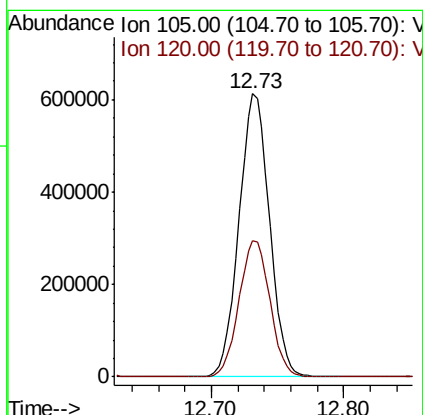
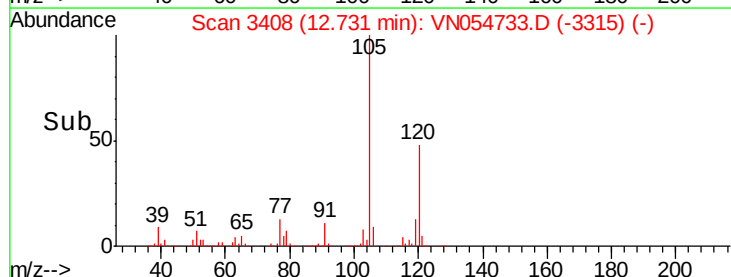
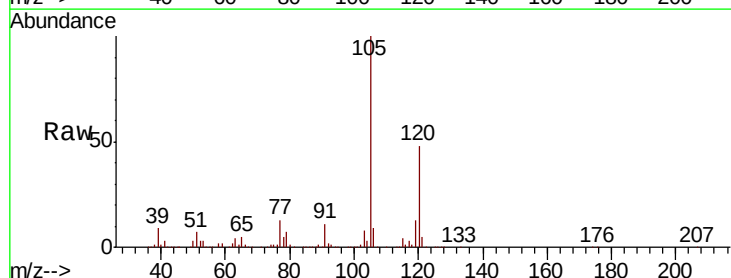
Acq: 28 Mar 2019 10:13

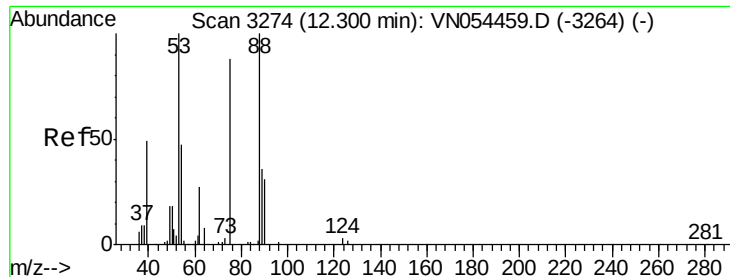
Tgt Ion:105 Resp: 979165

Ion Ratio Lower Upper

105 100

120 48.9 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.065 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

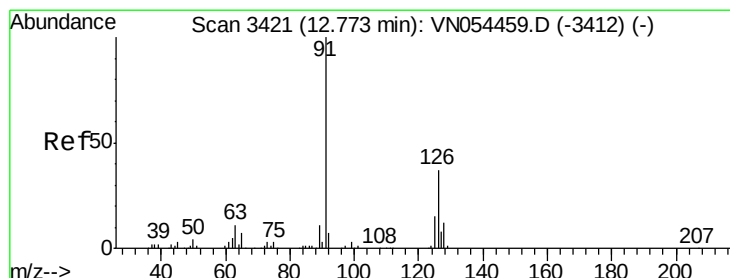
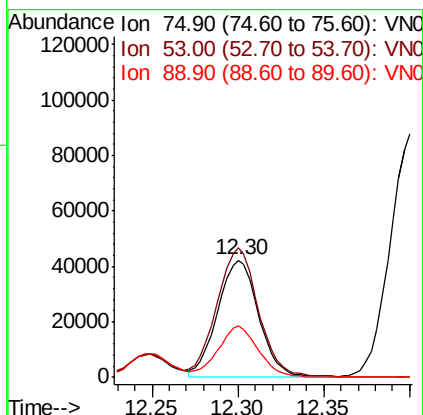
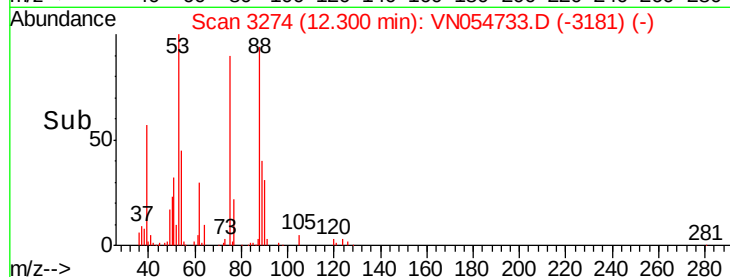
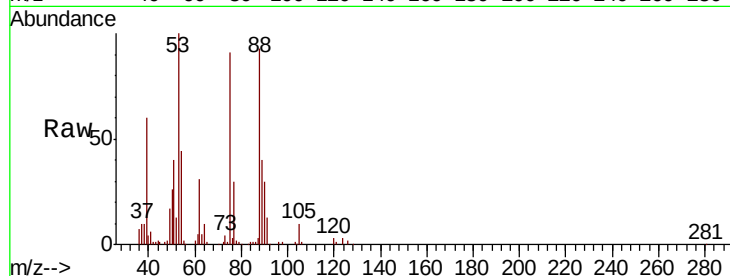
Tot Ion: 75 Resp: 68816

Ion Ratio Lower Upper

75 100

53 115.5 76.2 114.2#

89 44.3 39.2 58.8



#82

4-Chlorotoluene

Concen: 53.751 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054733.D

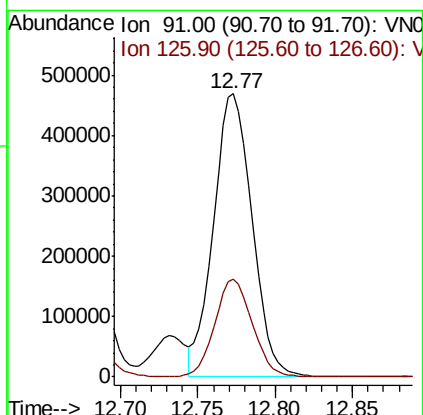
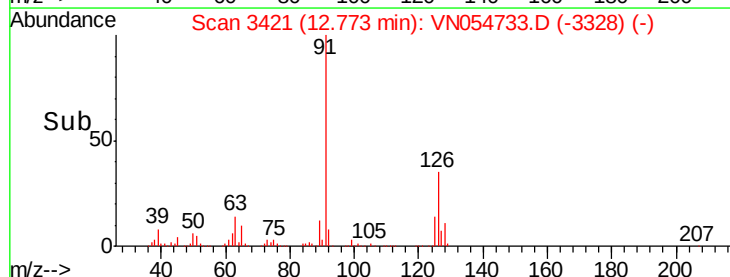
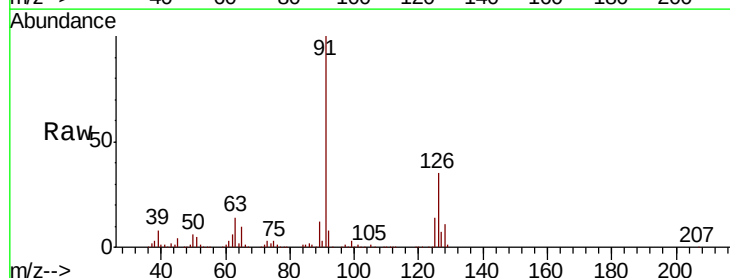
Acq: 28 Mar 2019 10:13

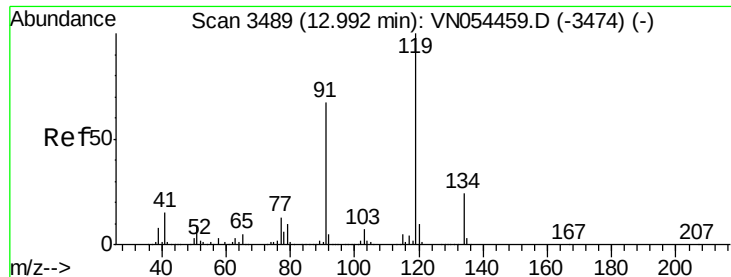
Tgt Ion: 91 Resp: 813011

Ion Ratio Lower Upper

91 100

126 33.6 18.1 54.1

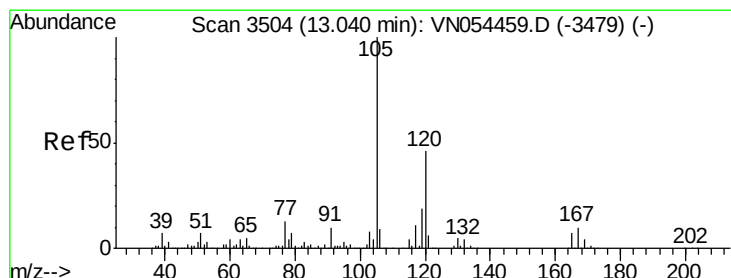
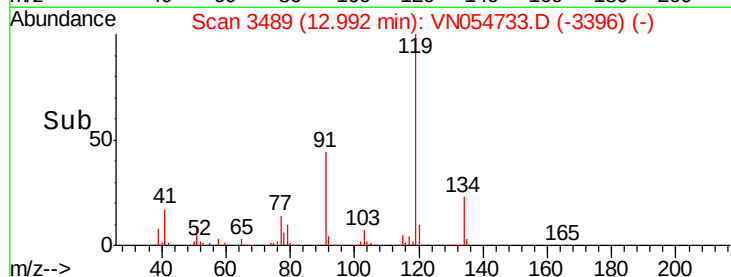
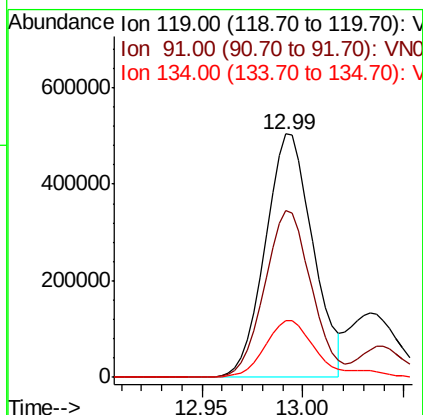
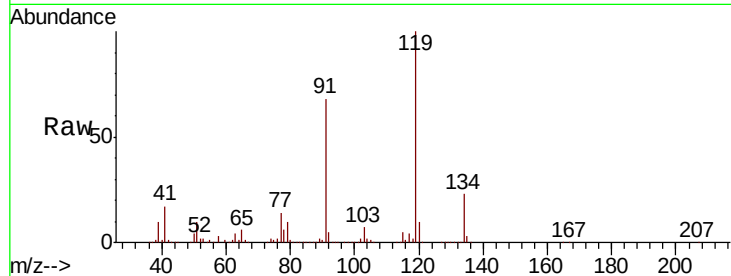




#83
 tert-Butylbenzene
 Concen: 50.169 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

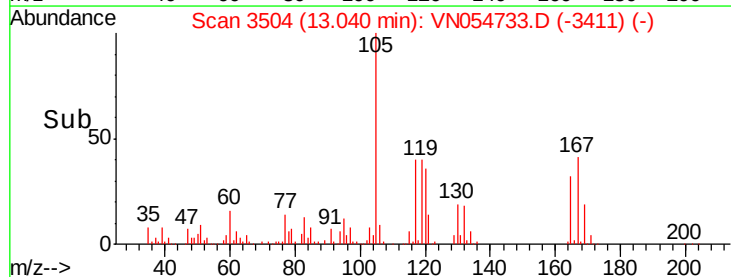
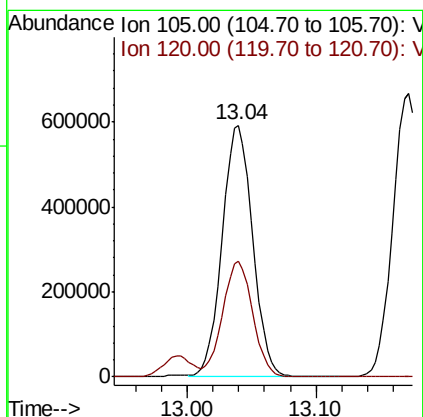
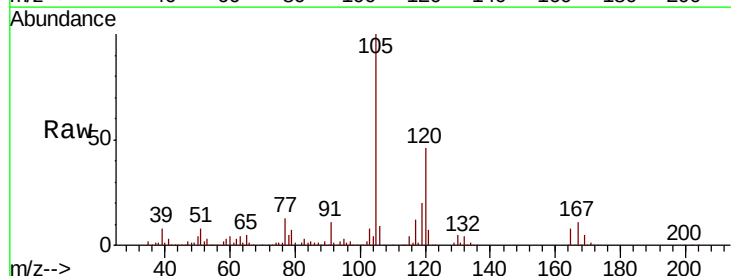
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

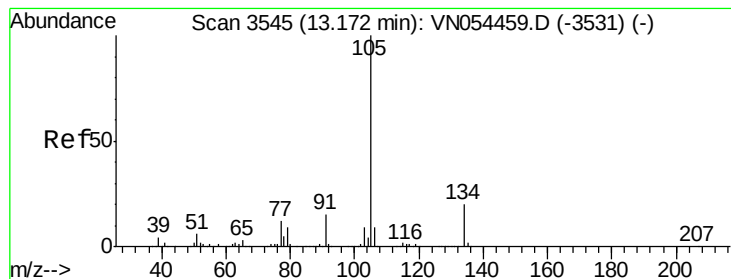
Tot Ion:119 Resp: 825924
 Ion Ratio Lower Upper
 119 100
 91 67.3 30.9 92.8
 134 26.0 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 52.193 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

Tgt Ion:105 Resp: 968591
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.4 70.3





#85

sec-Butylbenzene

Concen: 52.884 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

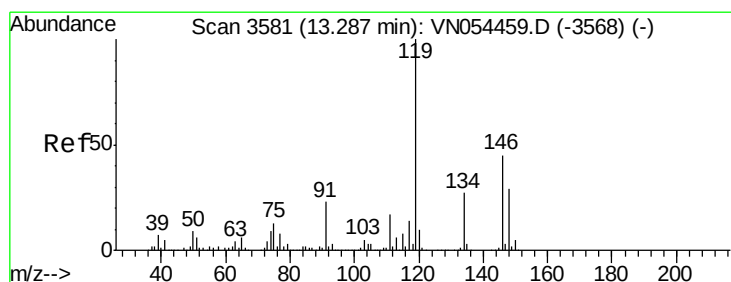
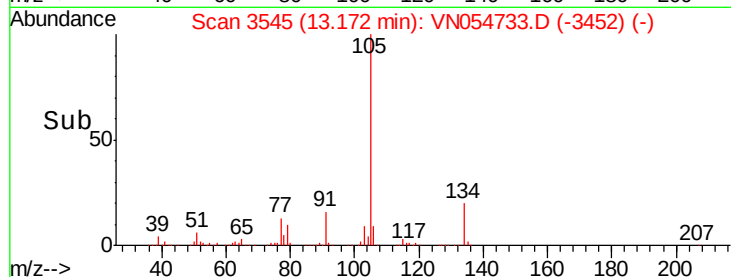
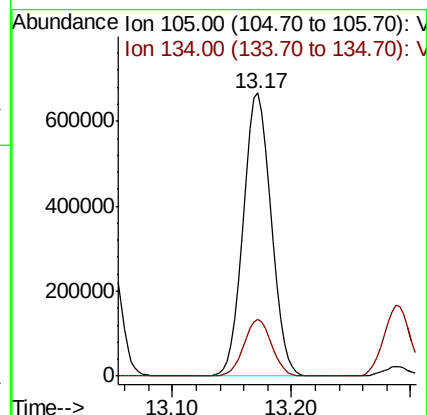
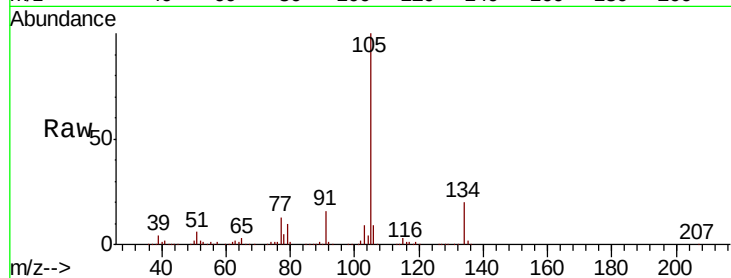
VSTDCCC050

Tot Ion:105 Resp: 1085318

Ion Ratio Lower Upper

105 100

134 20.0 10.7 32.1



#86

p-Isopropyltoluene

Concen: 53.027 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

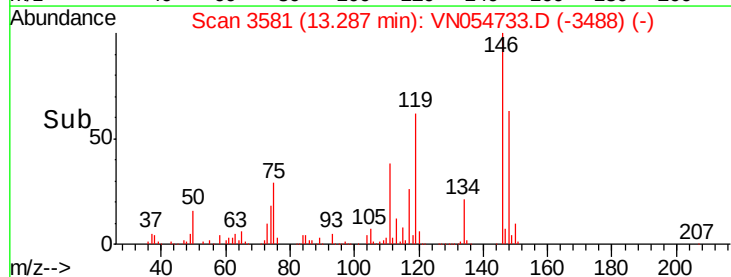
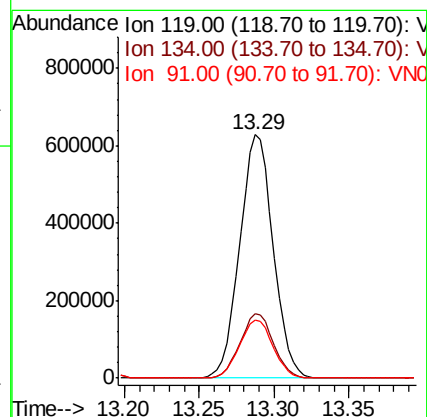
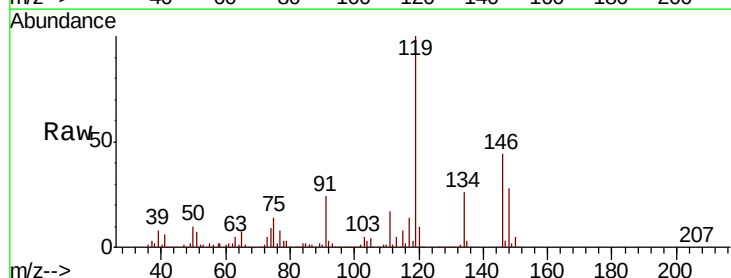
Tgt Ion:119 Resp: 973596

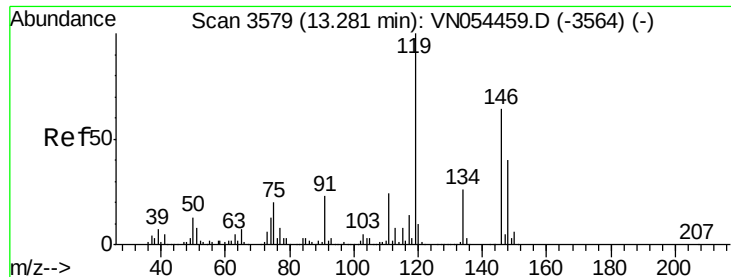
Ion Ratio Lower Upper

119 100

134 26.4 13.6 40.8

91 24.2 11.1 33.3

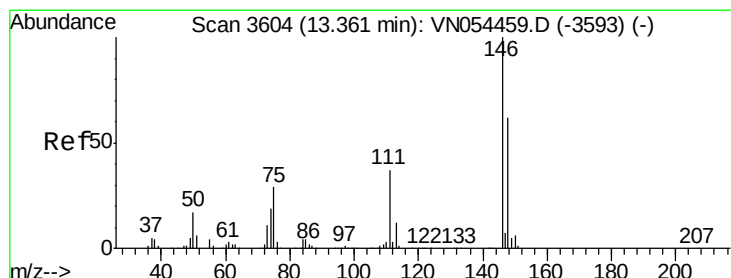
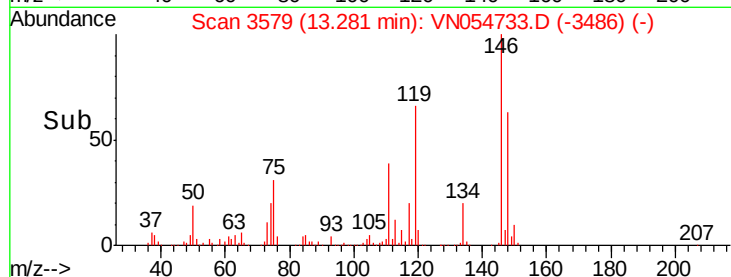
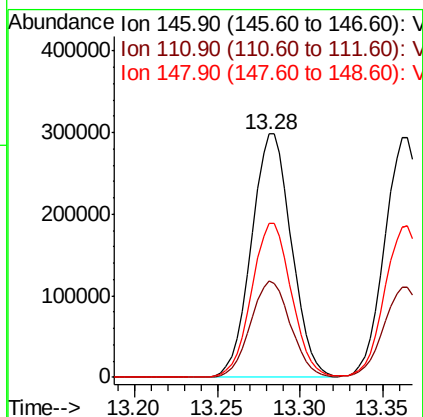
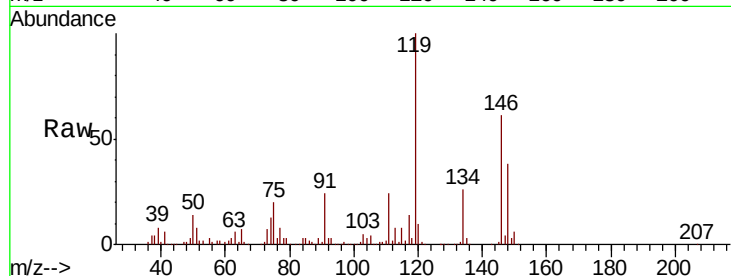




#87
 1,3-Dichlorobenzene
 Concen: 52.900 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

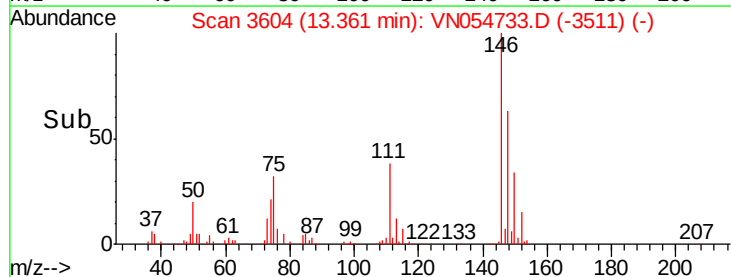
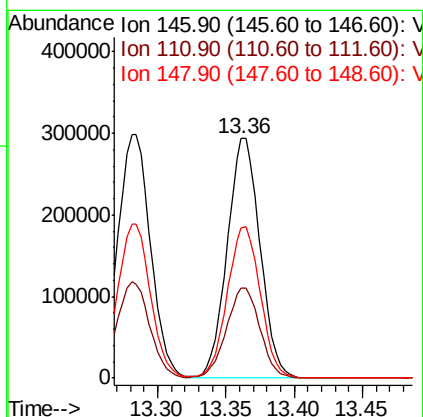
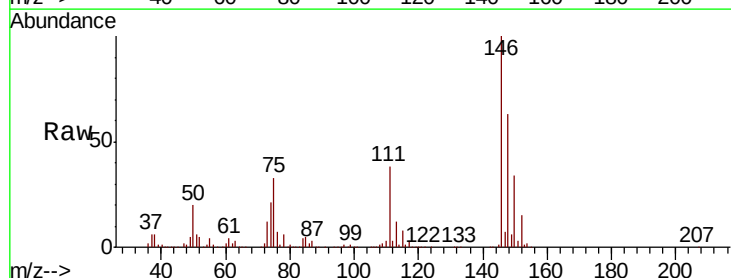
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

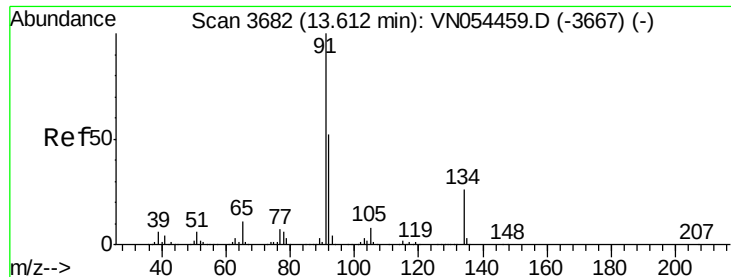
Tot Ion:146 Resp: 501728
 Ion Ratio Lower Upper
 146 100
 111 39.4 18.8 56.3
 148 62.9 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 53.173 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

Tgt Ion:146 Resp: 490680
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.1 54.1
 148 63.8 32.0 96.0





#89

n-Butylbenzene

Concen: 58.454 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

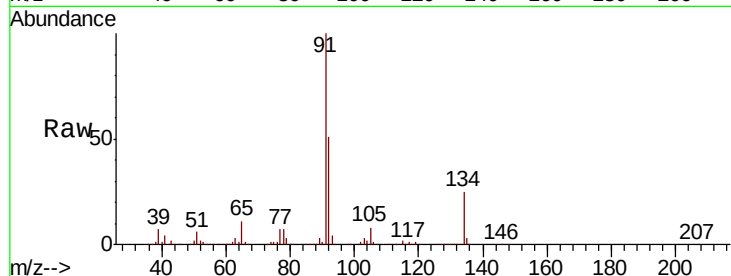
Tot Ion: 91 Resp: 839201

Ion Ratio Lower Upper

91 100

92 52.3 26.2 78.6

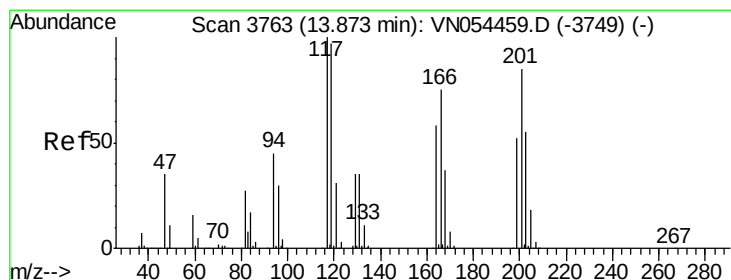
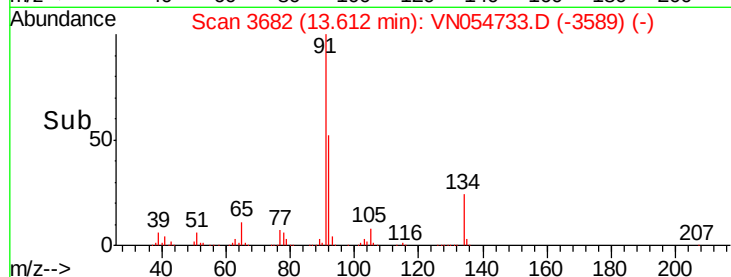
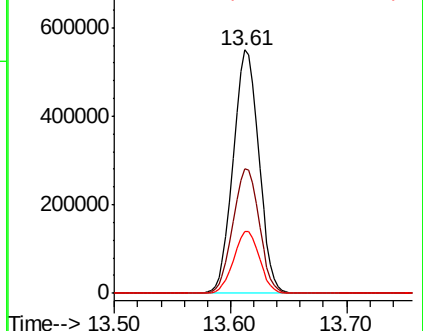
134 25.6 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN054459.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN054459.D (-3667) (-)



#90

Hexachloroethane

Concen: 57.578 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054733.D

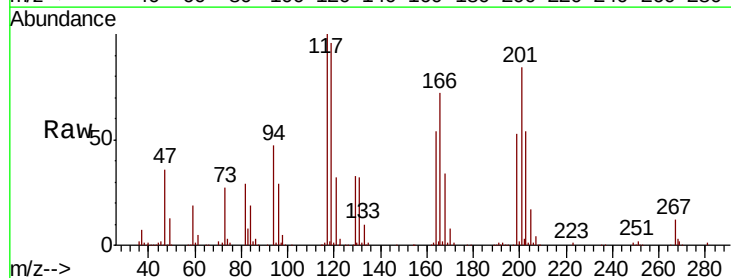
Acq: 28 Mar 2019 10:13

Tgt Ion: 117 Resp: 164097

Ion Ratio Lower Upper

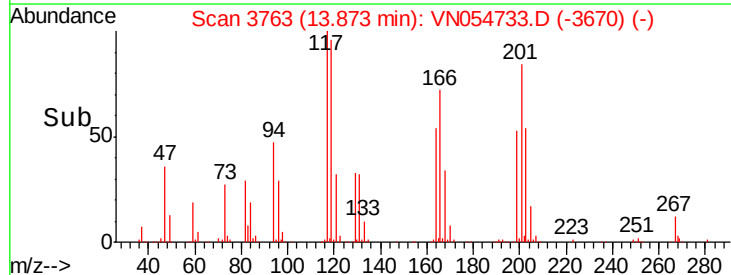
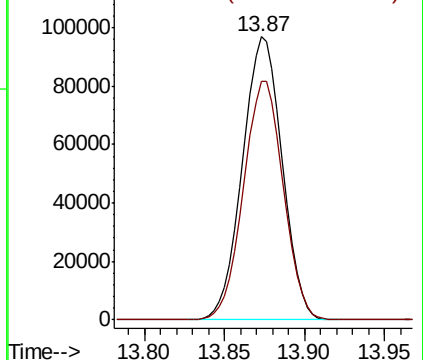
117 100

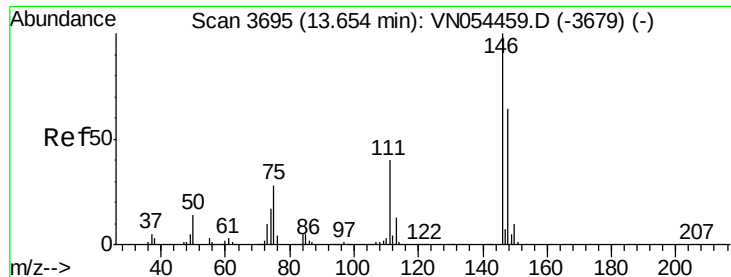
201 84.5 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054459.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN054459.D (-3749) (-)

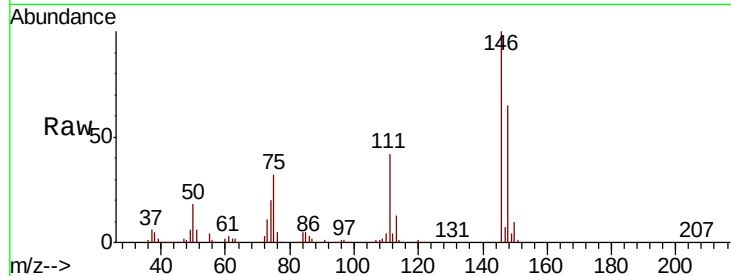




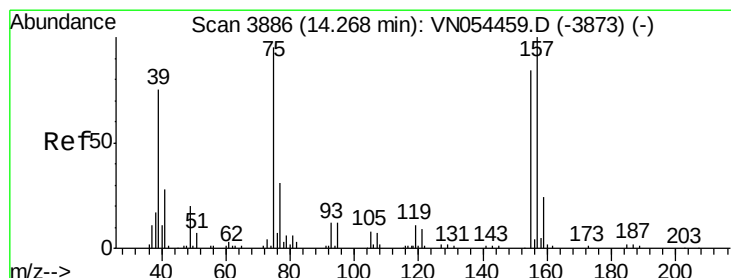
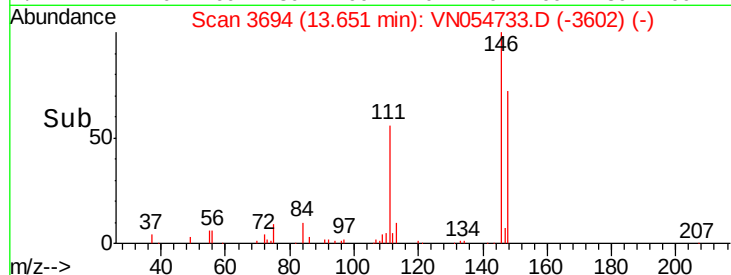
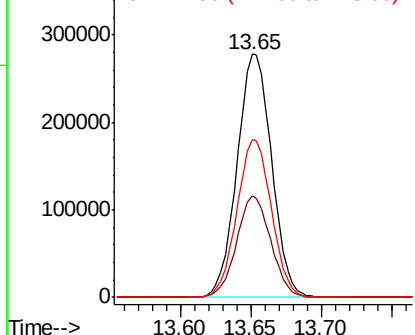
#91
 1,2-Dichlorobenzene
 Concen: 52.101 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 478628
 Ion Ratio Lower Upper
 146 100
 111 41.0 19.1 57.3
 148 64.6 32.4 97.0

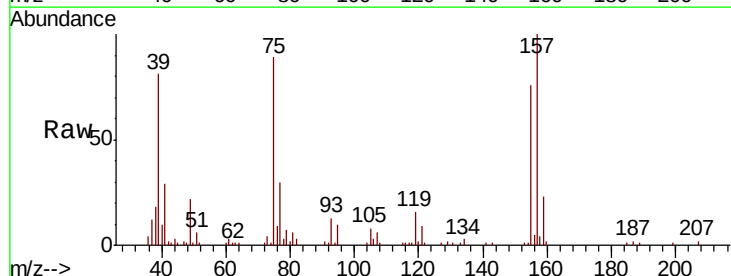


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

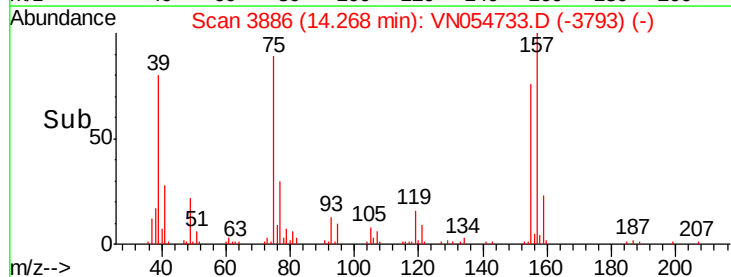
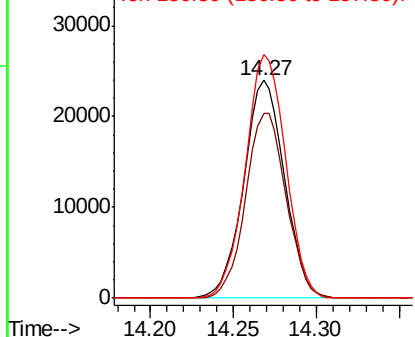


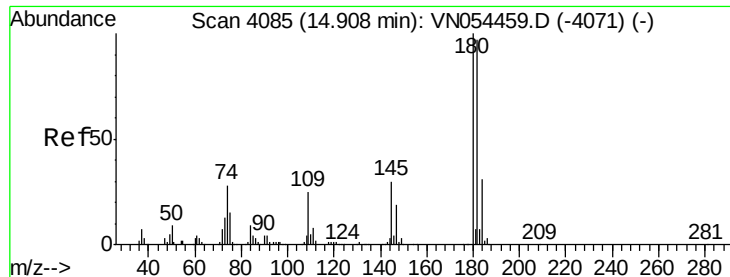
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.144 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

Tgt Ion: 75 Resp: 41062
 Ion Ratio Lower Upper
 75 100
 155 84.1 50.1 150.3
 157 110.5 63.1 189.3



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: 56.201 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

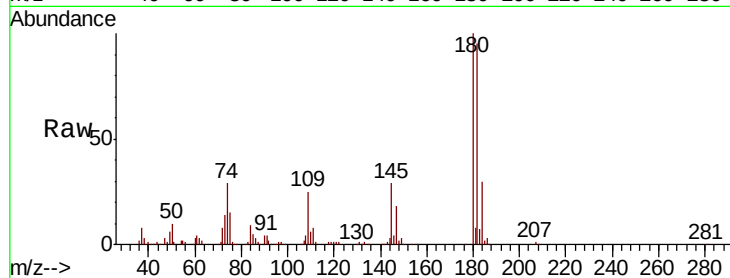
Tot Ion:180 Resp: 257375

Ion Ratio Lower Upper

180 100

182 94.2 48.0 144.2

145 29.1 14.2 42.8

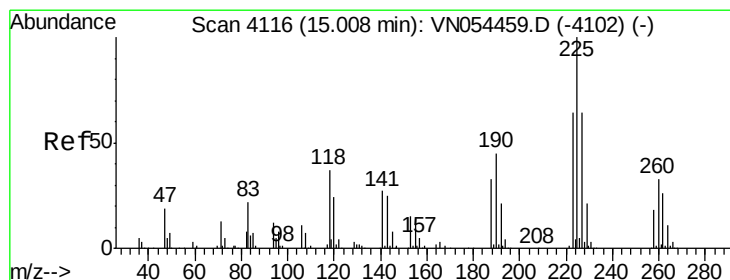
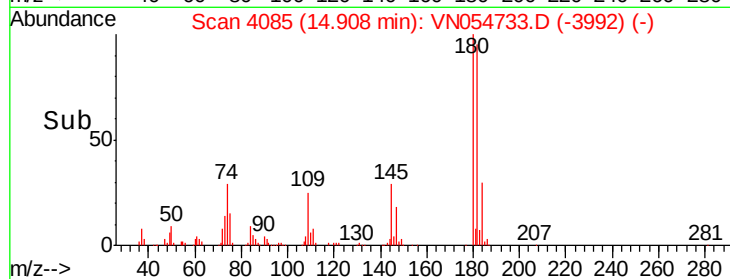
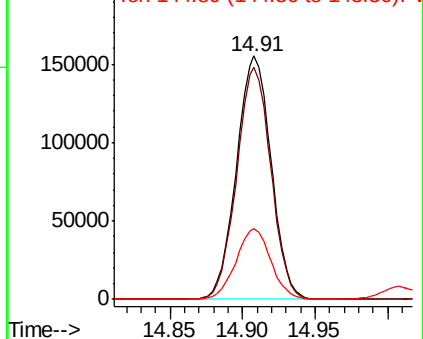


Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 62.604 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

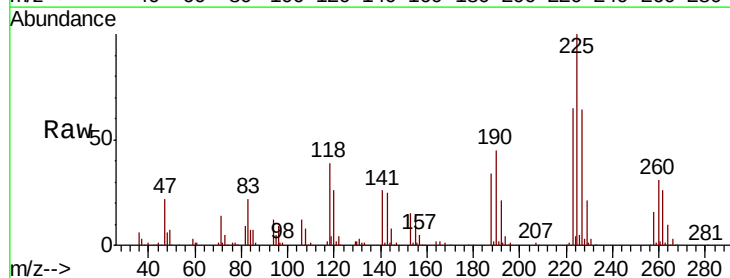
Tgt Ion:225 Resp: 159472

Ion Ratio Lower Upper

225 100

223 64.6 31.1 93.5

227 64.5 31.9 95.9

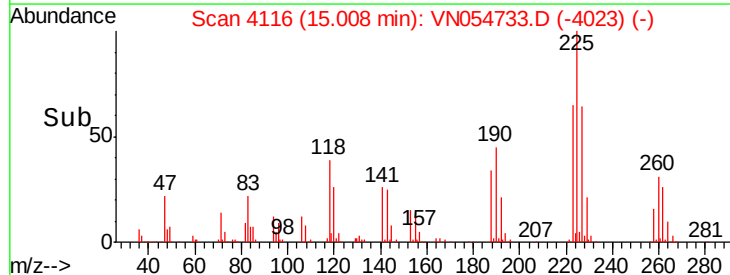
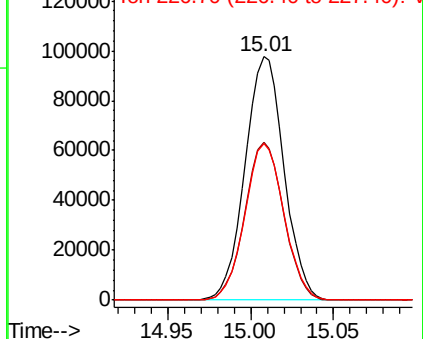


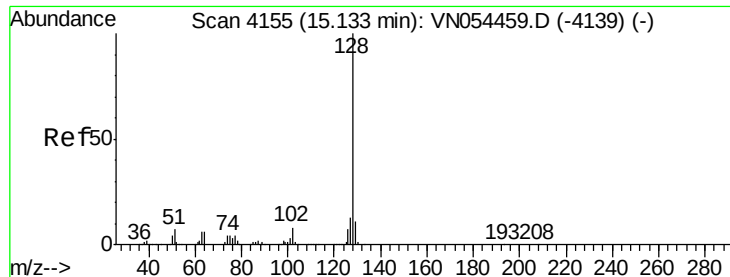
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 53.907 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

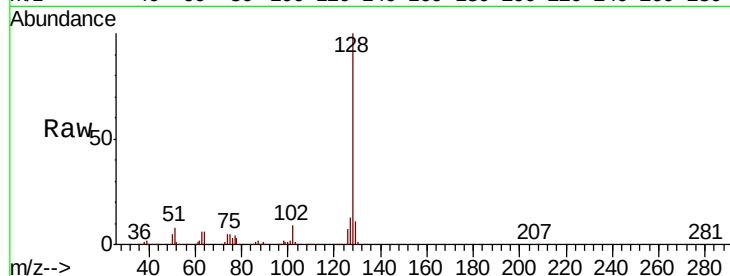
Tot Ion:128 Resp: 550651

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

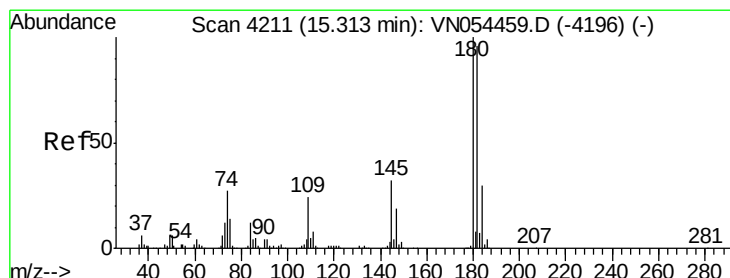
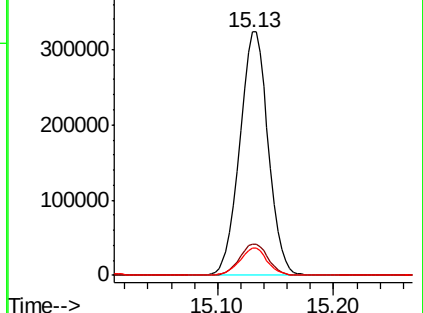
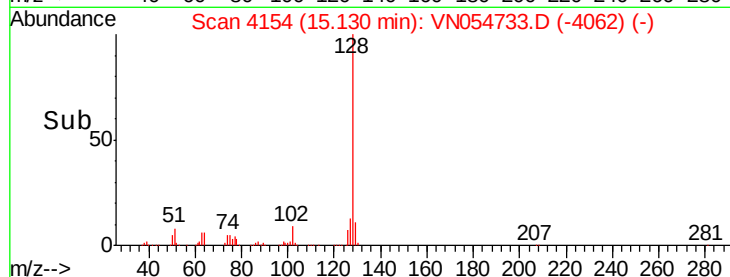
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 54.257 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

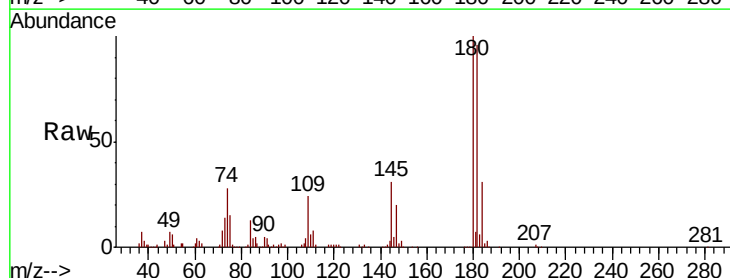
Tgt Ion:180 Resp: 247296

Ion Ratio Lower Upper

180 100

182 95.0 47.5 142.6

145 30.5 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

