

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051419\
 Data File : VN055589.D
 Acq On : 14 May 2019 12:47
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Quant Time: May 15 06:54:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051419W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 06:47:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	723443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1245928	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1082192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	455919	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	514345	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
35) Dibromofluoromethane	7.59	113	405762	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
50) Toluene-d8	10.09	98	1600172	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
62) 4-Bromofluorobenzene	12.40	95	526093	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	349238	47.281	ug/l	100
3) Chloromethane	2.06	50	531949	44.765	ug/l	100
4) Vinyl Chloride	2.19	62	532012	47.084	ug/l	100
5) Bromomethane	2.54	94	306765	49.108	ug/l	100
6) Chloroethane	2.69	64	324511	48.861	ug/l	100
7) Trichlorofluoromethane	3.01	101	595370	47.981	ug/l	100
8) Diethyl Ether	3.41	74	267099	47.935	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	376634	47.682	ug/l	100
10) Methyl Iodide	3.95	142	534597	50.351	ug/l	100
11) Tert butyl alcohol	4.81	59	327829	212.300	ug/l	100
12) 1,1-Dichloroethene	3.73	96	384732	48.565	ug/l	100
13) Acrolein	3.60	56	313652	282.040	ug/l	100
14) Allyl chloride	4.32	41	746326	46.592	ug/l	100
15) Acrylonitrile	4.99	53	1096606	225.033	ug/l	100
16) Acetone	3.82	43	1117232	224.306	ug/l	100
17) Carbon Disulfide	4.04	76	1106342	50.868	ug/l	100
18) Methyl Acetate	4.33	43	443862	36.469	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1225085	47.077	ug/l	100
20) Methylene Chloride	4.55	84	456313	44.469	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	422615	49.129	ug/l	100
22) Diisopropyl ether	5.95	45	1542015	47.441	ug/l	100
23) Vinyl Acetate	5.90	43	6037418	241.357	ug/l	100
24) 1,1-Dichloroethane	5.85	63	830198	46.936	ug/l	100
25) 2-Butanone	6.84	43	1531879	225.839	ug/l	100
26) 2,2-Dichloropropane	6.82	77	532480	48.353	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	485730	49.119	ug/l	100
28) Bromochloromethane	7.19	49	407153	44.996	ug/l	100
29) Tetrahydrofuran	7.22	42	980750	218.521	ug/l	100
30) Chloroform	7.37	83	768166	47.037	ug/l	100
31) Cyclohexane	7.65	56	800847	45.732	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	608497	48.760	ug/l	100
36) 1,1-Dichloropropene	7.79	75	604342	49.498	ug/l	100
37) Ethyl Acetate	6.93	43	593153	45.421	ug/l	100
38) Carbon Tetrachloride	7.77	117	501539	48.507	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	712266	47.879	ug/l	100
40) Benzene	8.04	78	1856978	49.061	ug/l	100
41) Methacrylonitrile	7.17	41	292009	48.303	ug/l	100
42) 1,2-Dichloroethane	8.12	62	609899	46.031	ug/l	100
43) Isopropyl Acetate	8.17	43	918892	46.461	ug/l	100
44) Trichloroethene	8.83	130	448368	49.439	ug/l	100
45) 1,2-Dichloropropane	9.12	63	510086	47.203	ug/l	100
46) Dibromomethane	9.21	93	296730	47.409	ug/l	100
47) Bromodichloromethane	9.40	83	590741	49.131	ug/l	100
48) Methyl methacrylate	9.20	41	446261	46.691	ug/l	100
49) 1,4-Dioxane	9.20	88	166629	900.371	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	2880571	222.520	ug/l	100
52) Toluene	10.16	92	1088314	50.233	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	593775	51.660	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	719573	52.223	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	423118	48.307	ug/l	100
56) Ethyl methacrylate	10.43	69	626330	48.571	ug/l	100
57) 1,3-Dichloropropane	10.71	76	747207	48.217	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	867325	244.046	ug/l	100
59) 2-Hexanone	10.75	43	1994206	219.993	ug/l	100
60) Dibromochloromethane	10.90	129	410611	51.526	ug/l	100
61) 1,2-Dibromoethane	11.00	107	415248	49.484	ug/l	100
64) Tetrachloroethene	10.63	164	418463	47.292	ug/l	100
65) Chlorobenzene	11.43	112	1104601	49.711	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	390967	50.945	ug/l	100
67) Ethyl Benzene	11.51	91	2026459	48.812	ug/l	100
68) m/p-Xylenes	11.62	106	1498034	100.265	ug/l	100
69) o-Xylene	11.95	106	730205	49.795	ug/l	100
70) Styrene	11.96	104	1219916	52.054	ug/l	100
71) Bromoform	12.13	173	269626	52.461	ug/l	100
73) Isopropylbenzene	12.25	105	1908383	42.833	ug/l	100
74) N-amyl acetate	12.07	43	742206	43.927	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	586043	40.577	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	703828	57.679	ug/l #	100
77) Bromobenzene	12.53	156	449157	44.721	ug/l	100
78) n-propylbenzene	12.59	91	2194193	45.122	ug/l	100
79) 2-Chlorotoluene	12.67	91	1323538	43.738	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1621942	44.796	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	146882	44.612	ug/l	100
82) 4-Chlorotoluene	12.77	91	1297017	45.327	ug/l	100
83) tert-Butylbenzene	12.99	119	1342596	43.309	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1557350	46.914	ug/l	100
85) sec-Butylbenzene	13.17	105	1794725	43.620	ug/l	100
86) p-Isopropyltoluene	13.29	119	1541275	46.037	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	749295	48.459	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	728740	47.699	ug/l	100
89) n-Butylbenzene	13.61	91	1215326	47.300	ug/l	100
90) Hexachloroethane	13.87	117	241425	44.147	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	746557	48.248	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	91034	44.434	ug/l	100

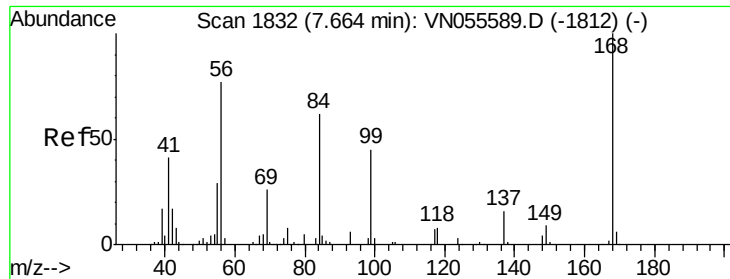
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051419\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	294790	56.331	ug/l	100
94) Hexachlorobutadiene	15.01	225	225893	40.758	ug/l	100
95) Naphthalene	15.13	128	775219	50.696	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	317629	51.770	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

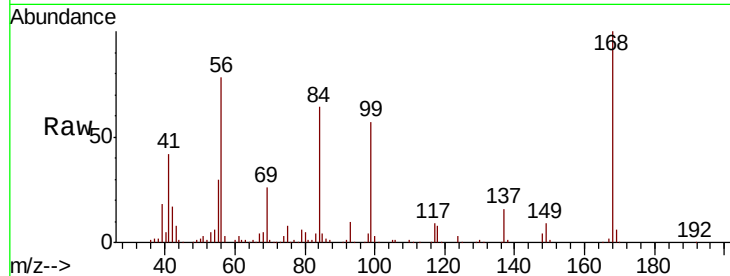
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:168 Resp: 723443

Ion Ratio Lower Upper

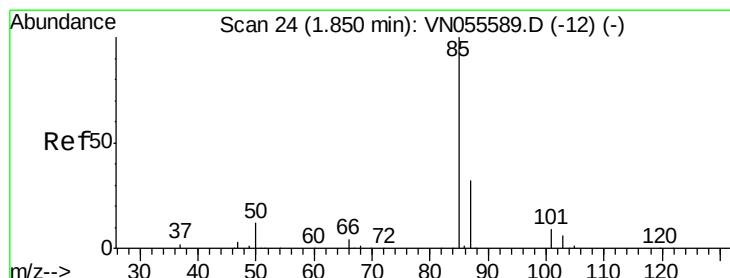
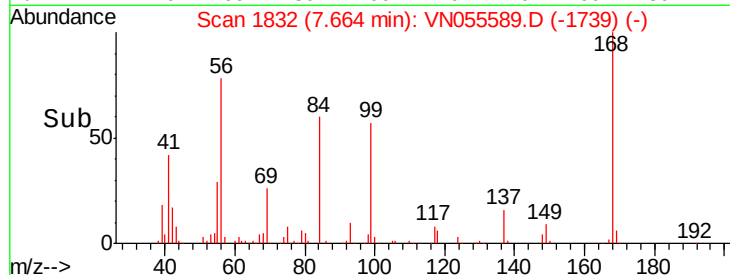
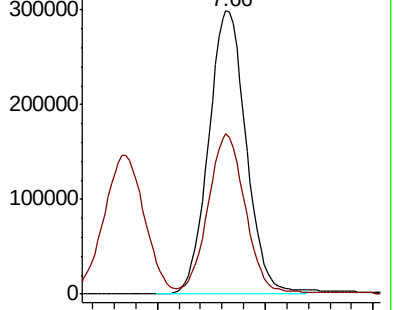
168 100

99 55.7 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 47.281 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055589.D

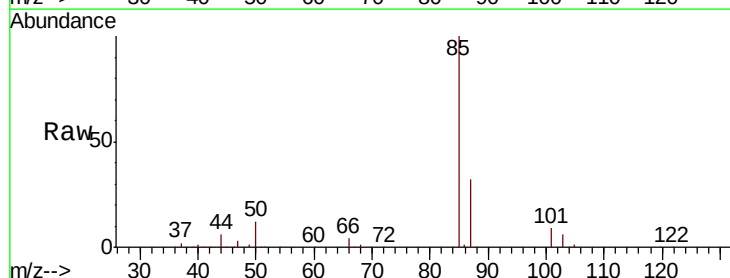
Acq: 14 May 2019 12:47

Tgt Ion: 85 Resp: 349238

Ion Ratio Lower Upper

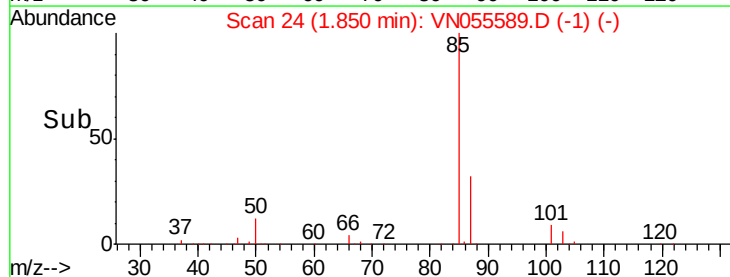
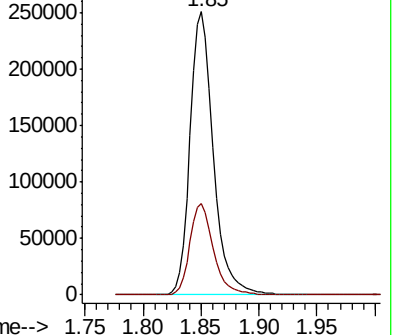
85 100

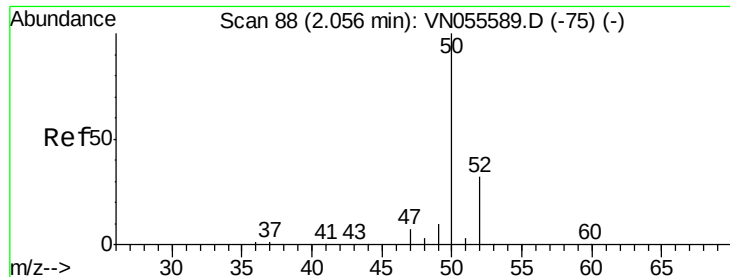
87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.765 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

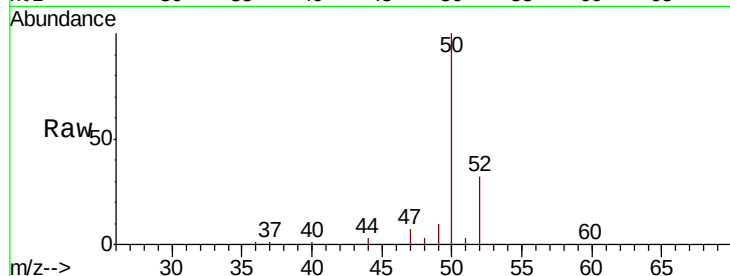
VSTDICCC050

Tot Ion: 50 Resp: 531949

Ion Ratio Lower Upper

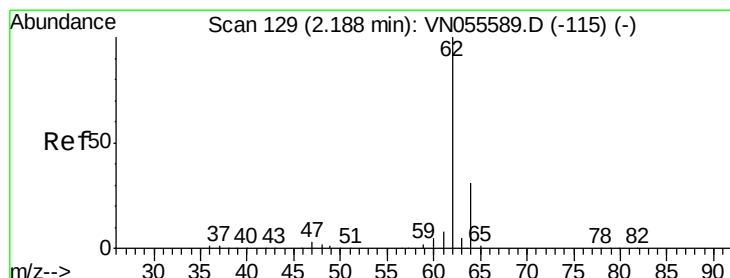
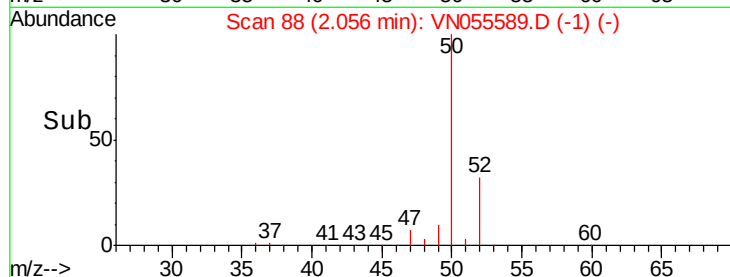
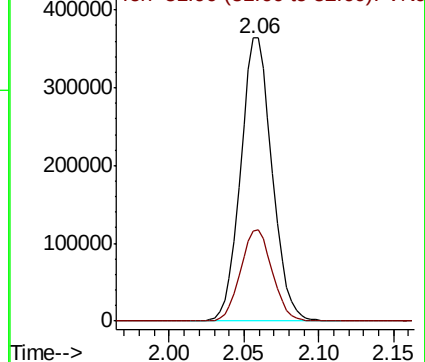
50 100

52 31.9 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 47.084 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055589.D

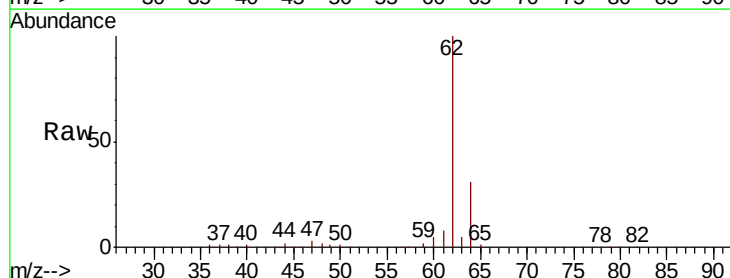
Acq: 14 May 2019 12:47

Tgt Ion: 62 Resp: 532012

Ion Ratio Lower Upper

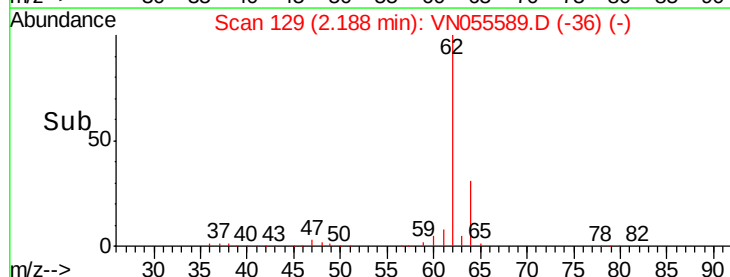
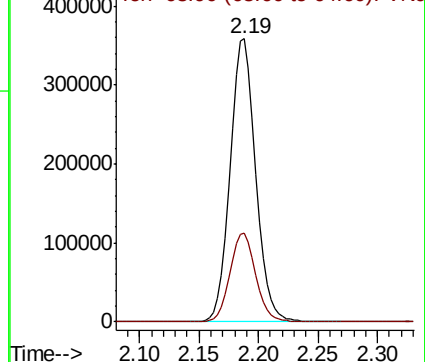
62 100

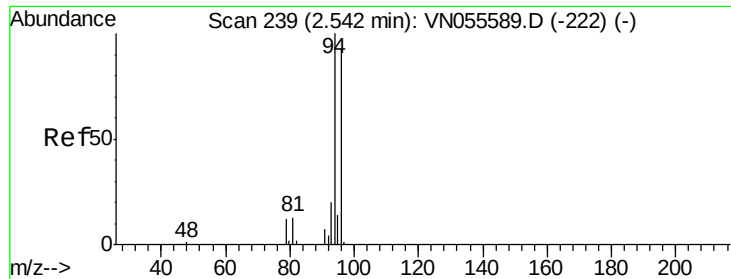
64 31.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 49.108 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

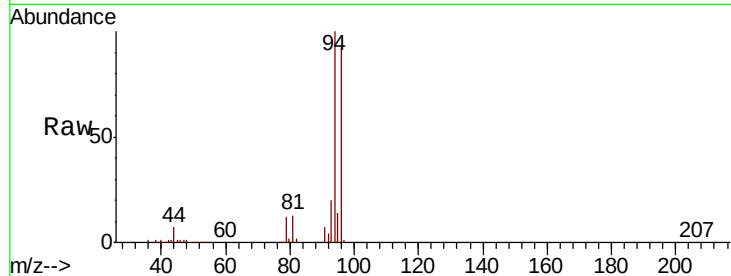
VSTDICCC050

Tot Ion: 94 Resp: 306765

Ion Ratio Lower Upper

94 100

96 92.5 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

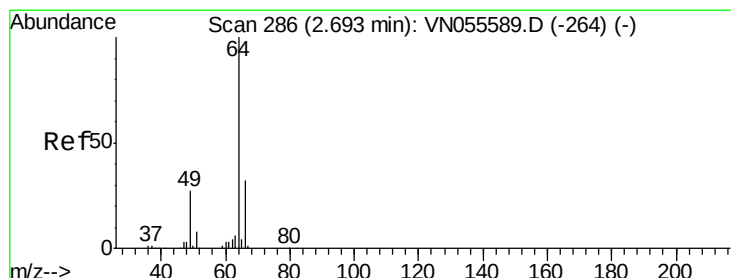
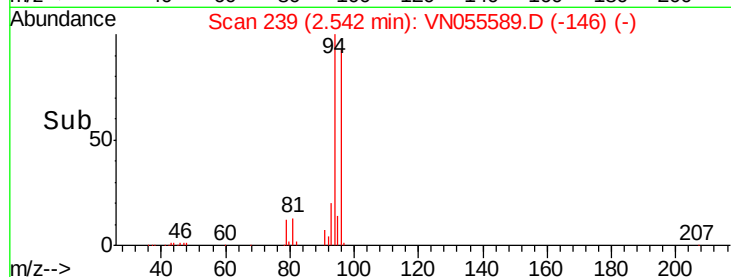
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 48.861 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN055589.D

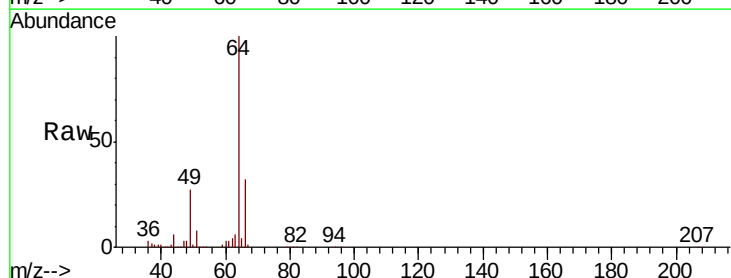
Acq: 14 May 2019 12:47

Tgt Ion: 64 Resp: 324511

Ion Ratio Lower Upper

64 100

66 32.2 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

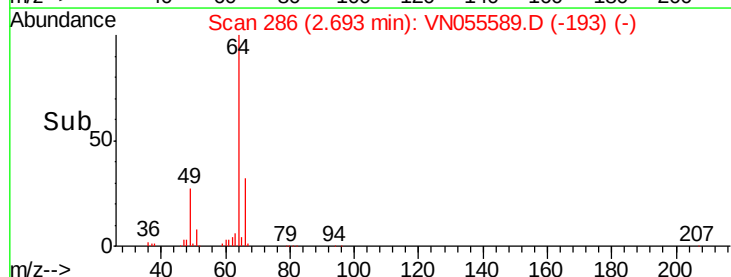
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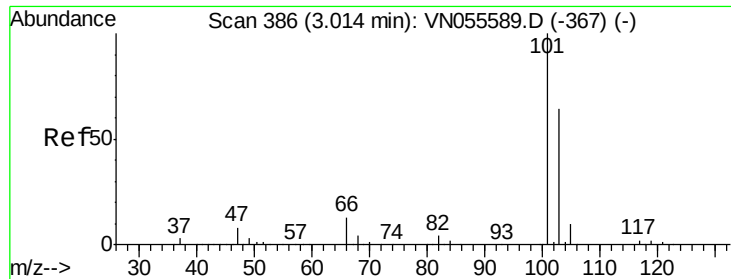
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50000

0

Time-->



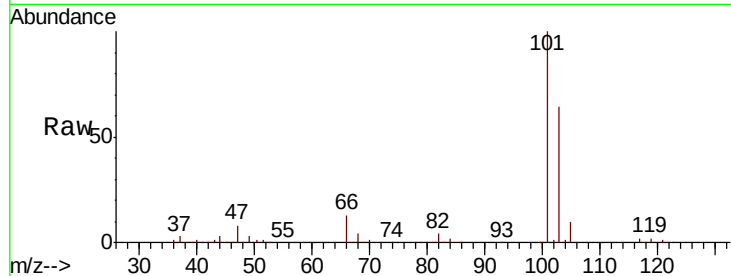


#7

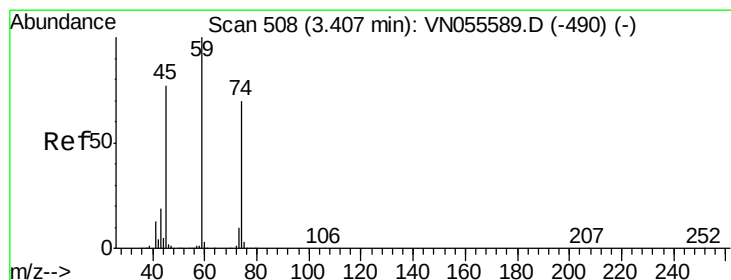
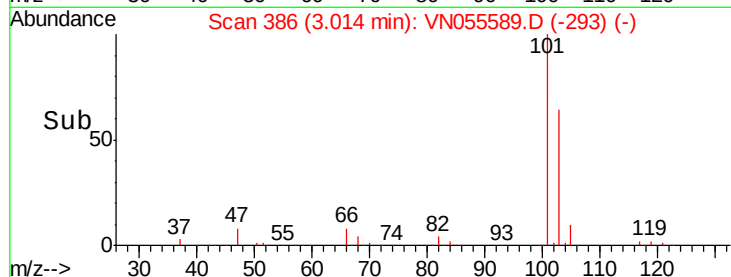
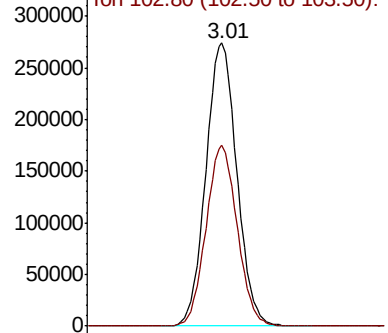
Trichlorofluoromethane
Concen: 47.981 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Instrument :
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ClientSampleId :
VSTDICCC050

Tot Ion:101 Resp: 595370
Ion Ratio Lower Upper
101 100
103 63.8 51.0 76.6



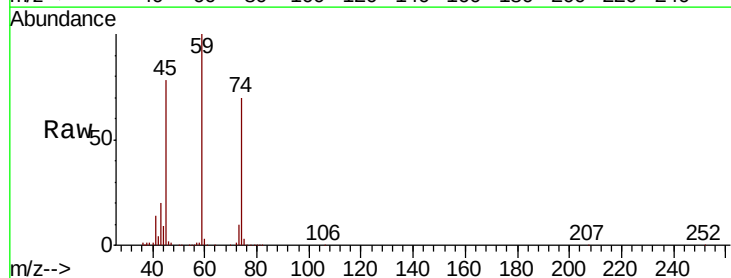
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



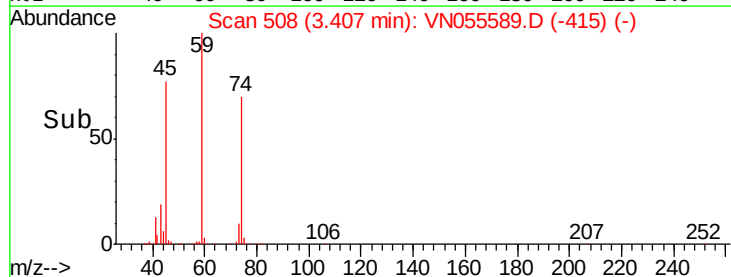
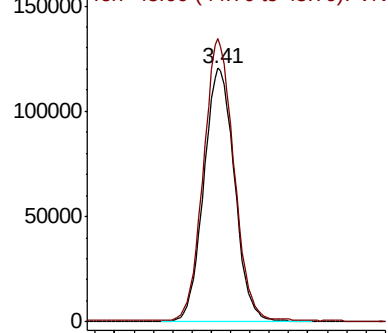
#8

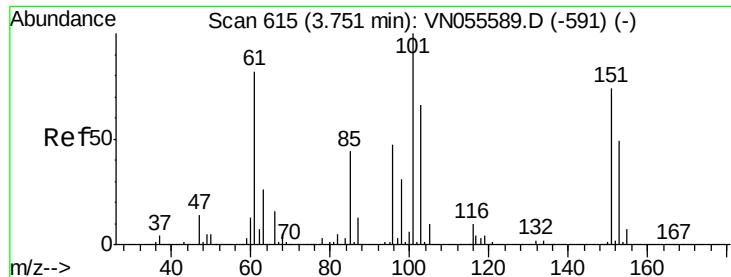
Diethyl Ether
Concen: 47.935 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion: 74 Resp: 267099
Ion Ratio Lower Upper
74 100
45 109.8 54.9 164.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.682 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

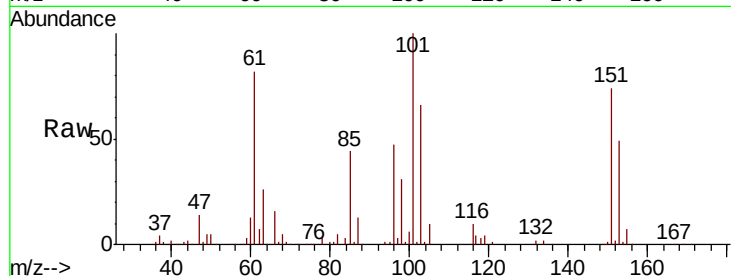
Tot Ion:101 Resp: 376634

Ion Ratio Lower Upper

101 100

85 42.7 34.2 51.2

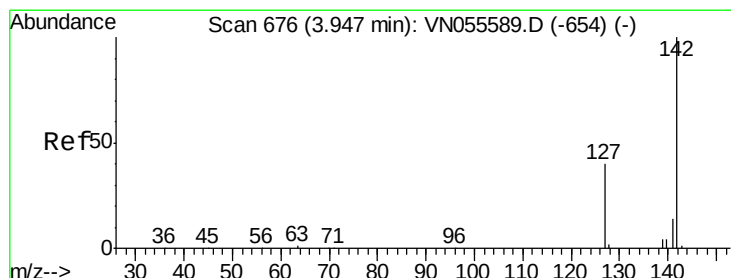
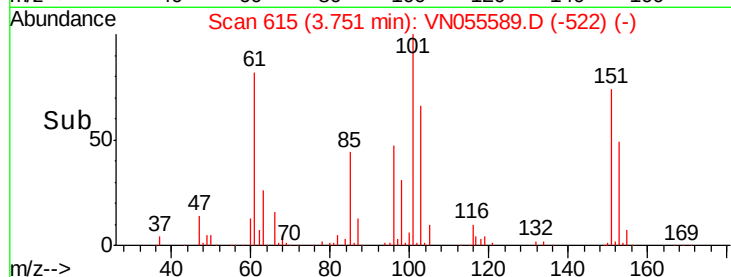
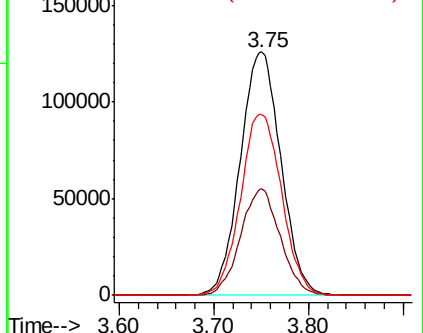
151 75.2 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.351 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

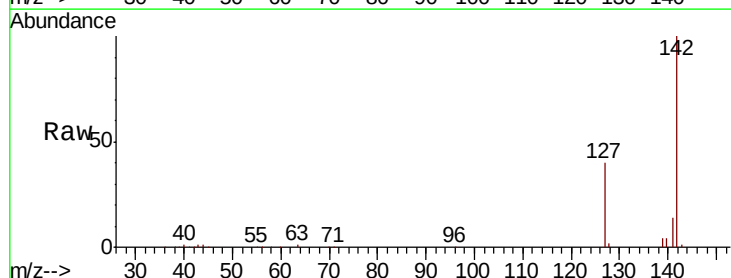
Tgt Ion:142 Resp: 534597

Ion Ratio Lower Upper

142 100

127 40.6 32.5 48.7

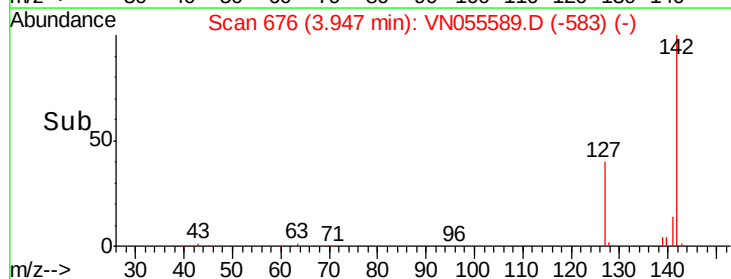
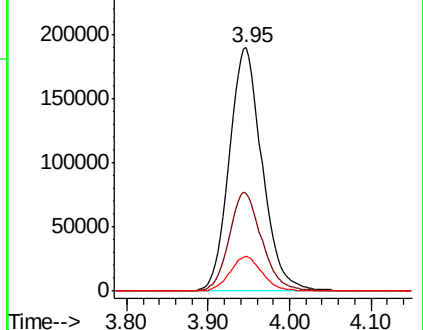
141 14.0 11.2 16.8

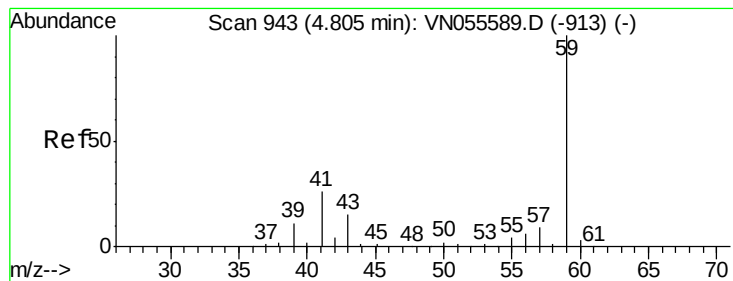


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



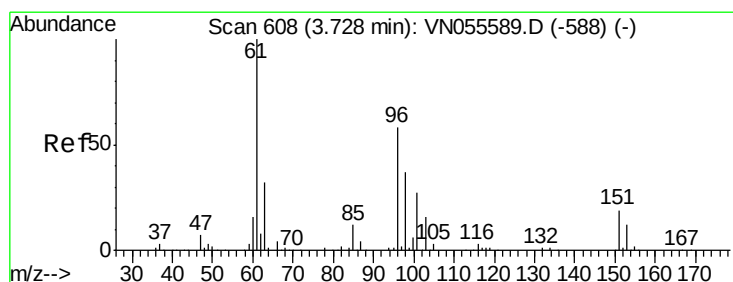
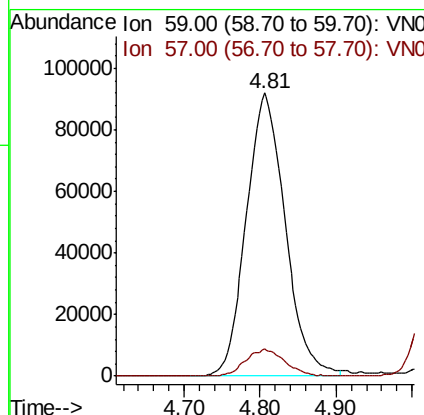
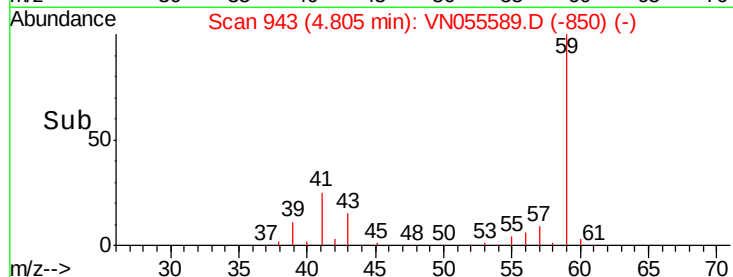
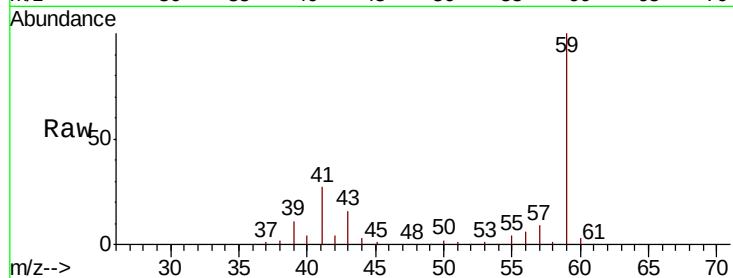


#11

Tert butyl alcohol
Concen: 212.300 ug/l
RT: 4.81 min Scan# 943
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

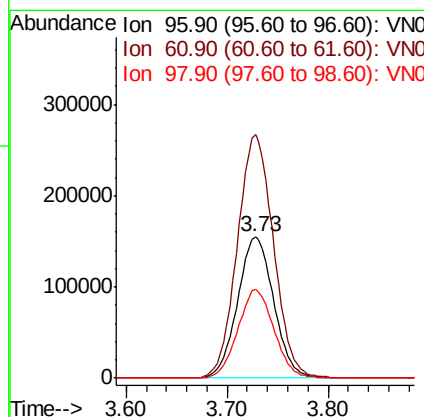
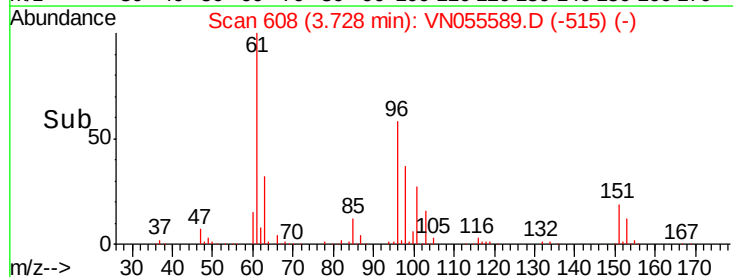
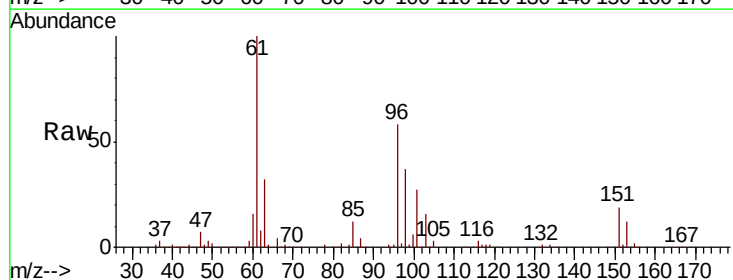
Tot Ion: 59 Resp: 327829
Ion Ratio Lower Upper
59 100
57 9.5 7.6 11.4

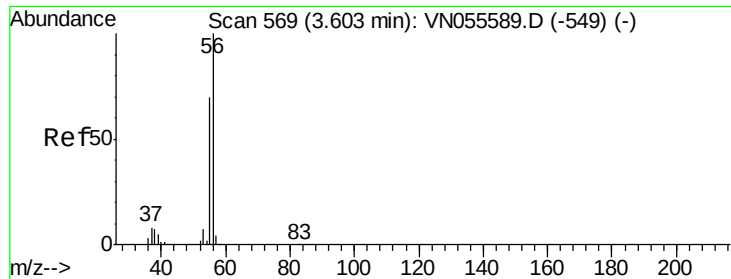


#12

1,1-Dichloroethene
Concen: 48.565 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion: 96 Resp: 384732
Ion Ratio Lower Upper
96 100
61 171.9 137.5 206.3
98 62.9 50.3 75.5





#13

Acrolein

Concen: 282.040 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

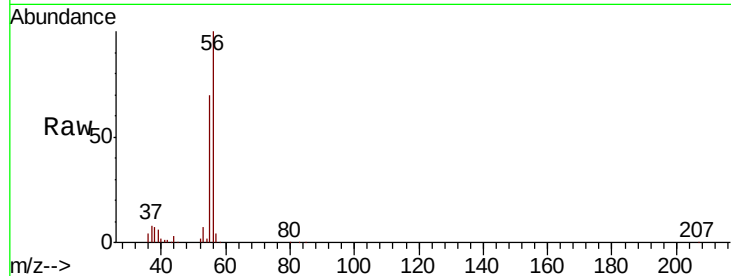
VSTDICCC050

Tot Ion: 56 Resp: 313652

Ion Ratio Lower Upper

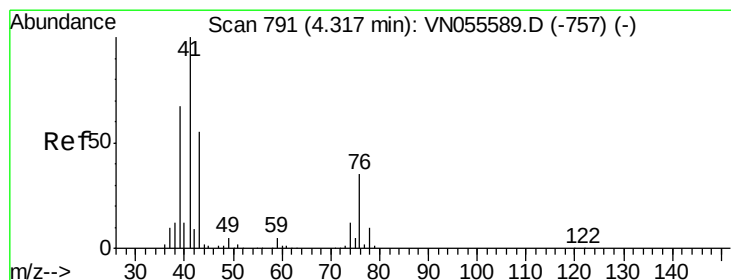
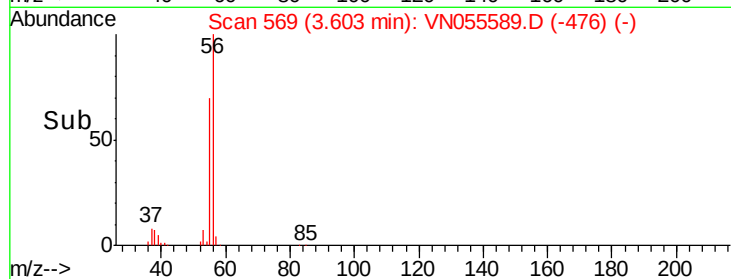
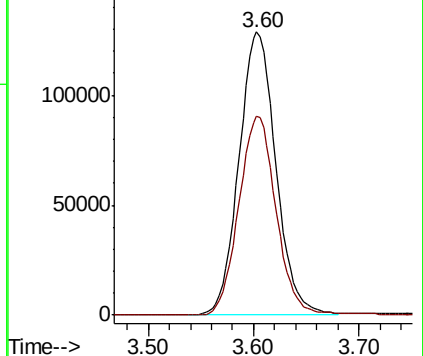
56 100

55 71.4 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.592 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

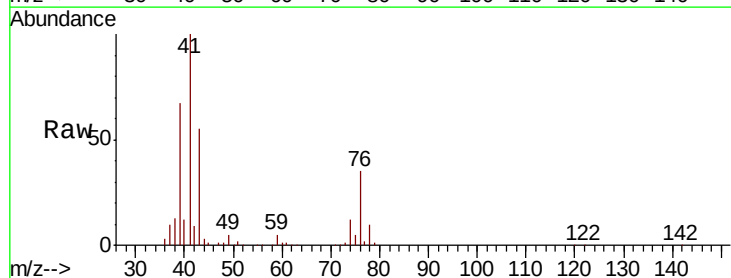
Tgt Ion: 41 Resp: 746326

Ion Ratio Lower Upper

41 100

39 61.6 49.3 73.9

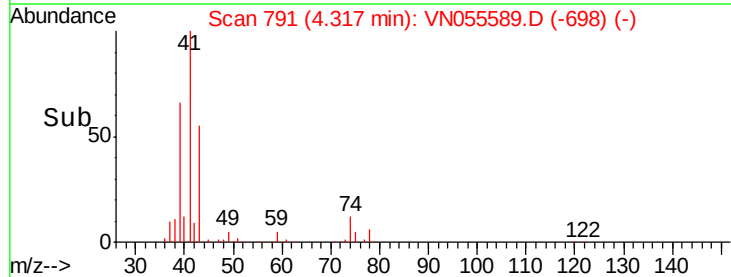
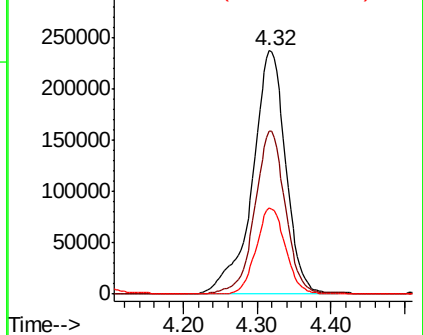
76 30.9 24.7 37.1

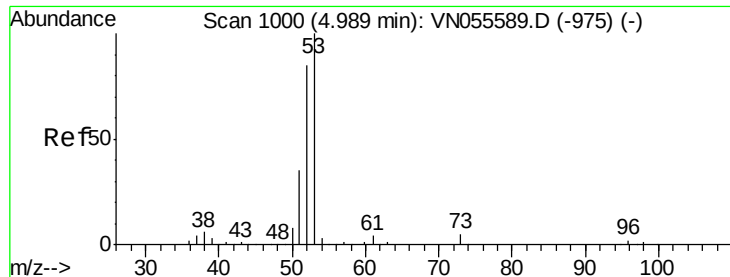


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



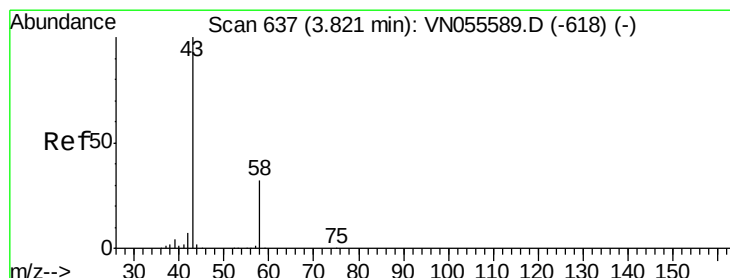
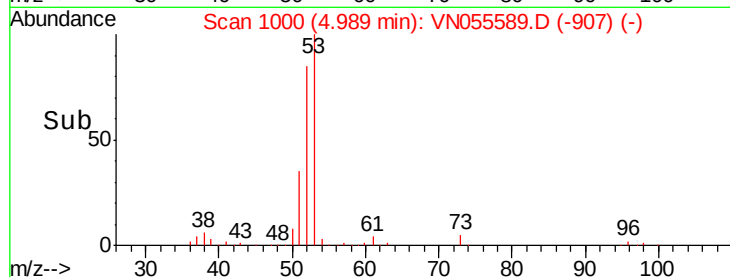
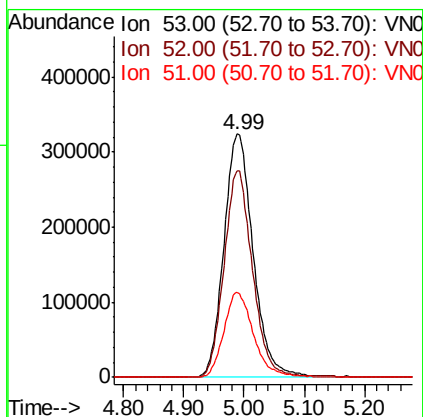
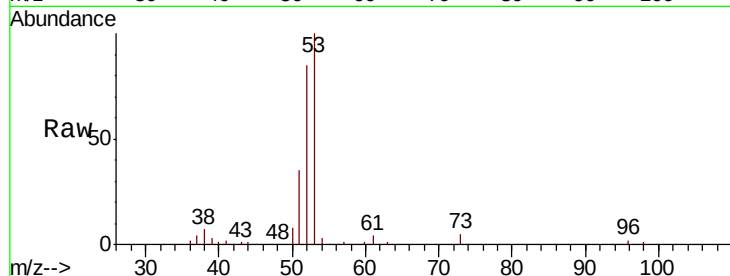


#15
 Acrylonitrile
 Concen: 225.033 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 53 Resp: 1096606

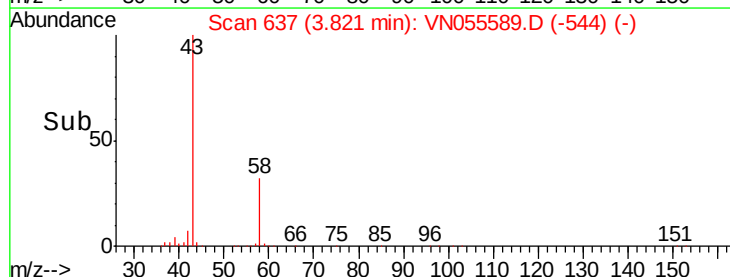
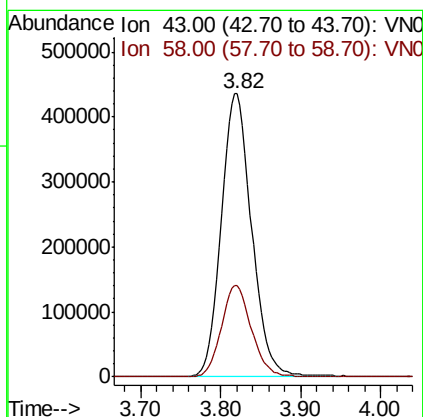
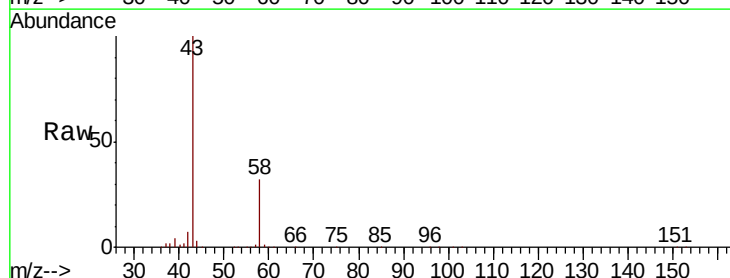
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.6	98.4
51	35.4	28.3	42.5

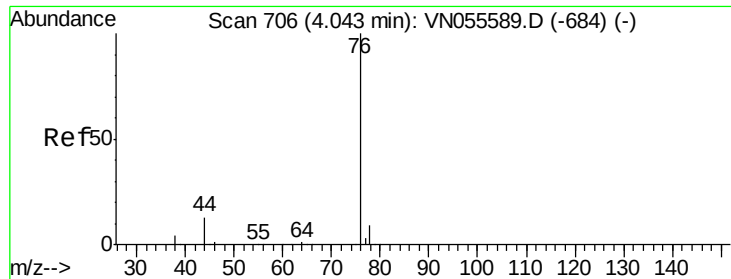


#16
 Acetone
 Concen: 224.306 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

Tgt Ion: 43 Resp: 1117232

Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.7	38.5

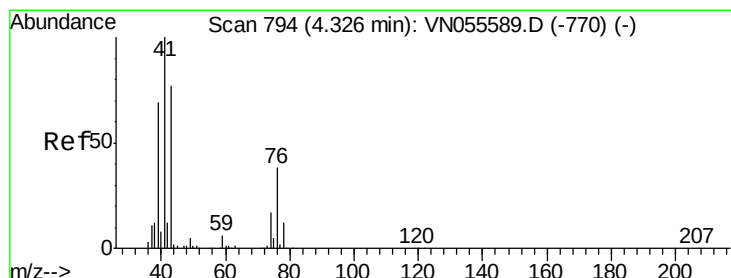
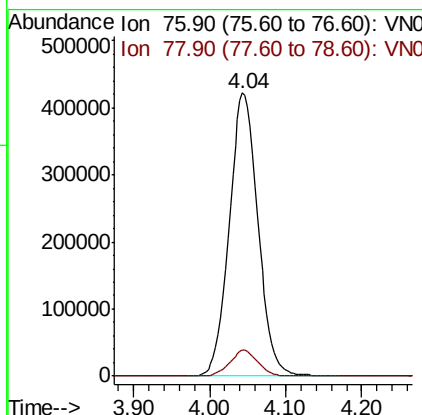
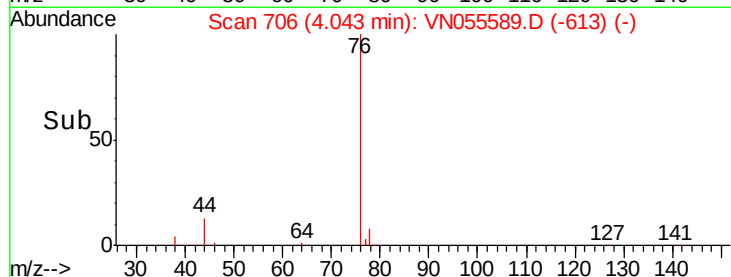
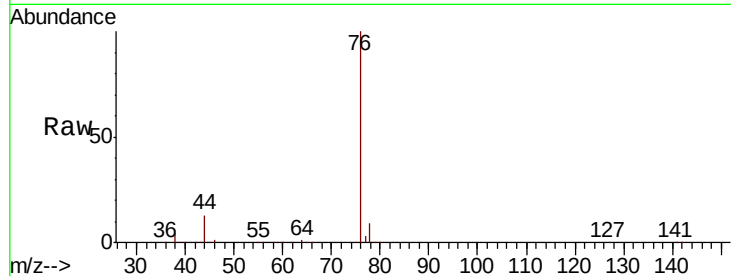




#17
Carbon Disulfide
Concen: 50.868 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

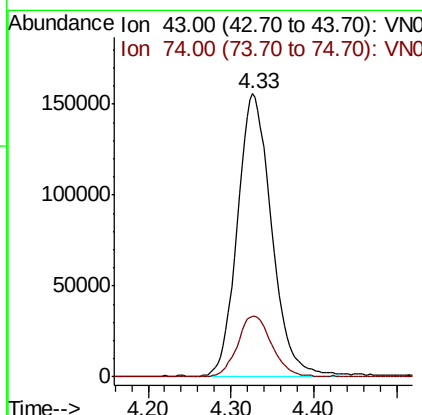
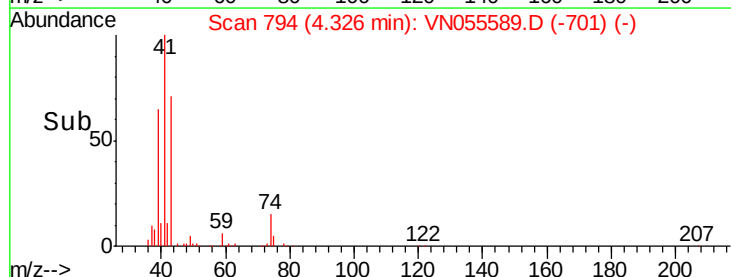
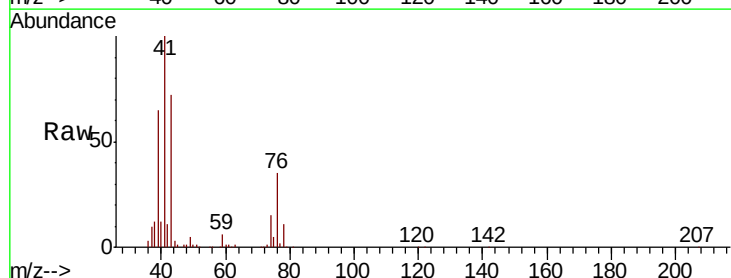
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

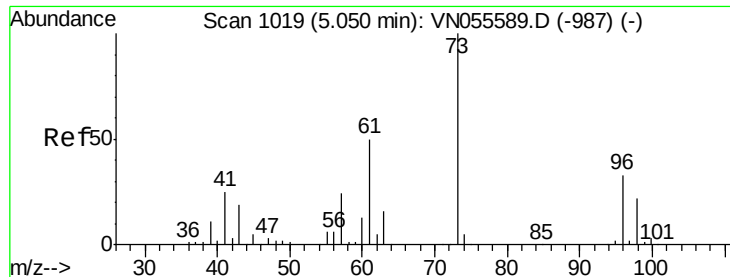
Tot Ion: 76 Resp: 1106342
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 36.469 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion: 43 Resp: 443862
Ion Ratio Lower Upper
43 100
74 21.8 17.4 26.2

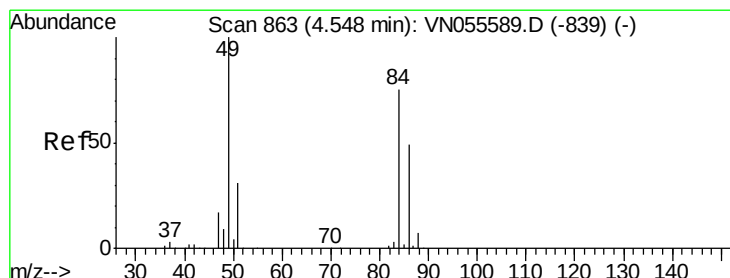
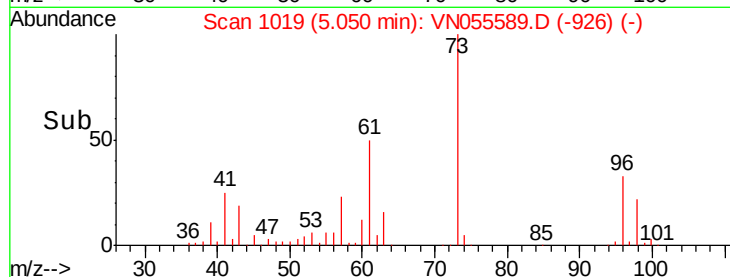
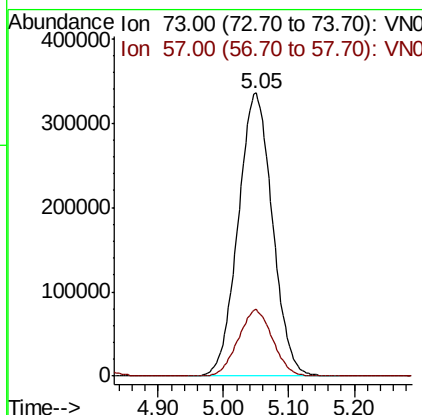
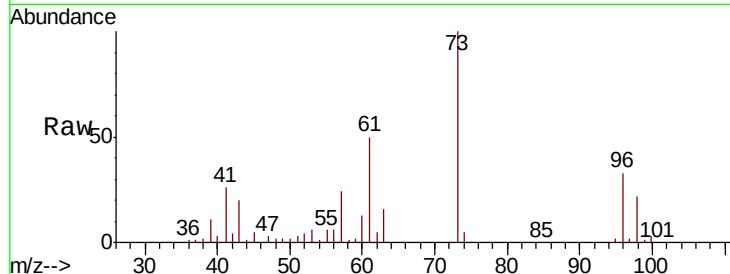




#19
Methyl tert-butyl Ether
Concen: 47.077 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

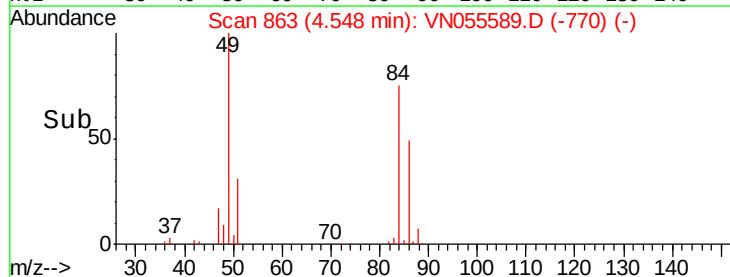
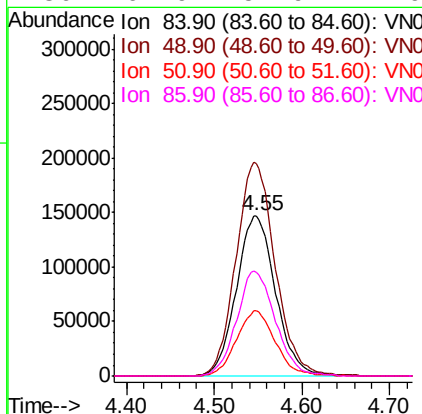
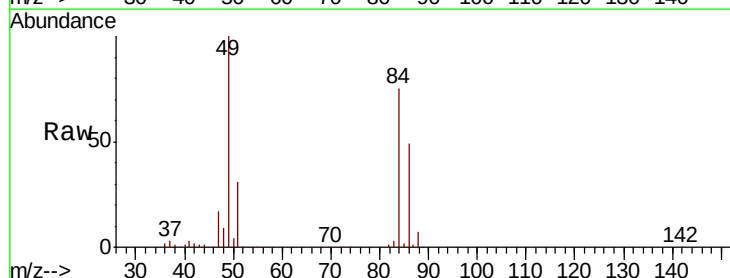
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

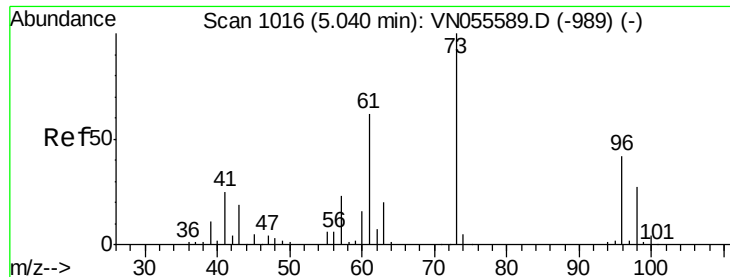
Tot Ion: 73 Resp: 1225085
Ion Ratio Lower Upper
73 100
57 23.6 18.9 28.3



#20
Methylene Chloride
Concen: 44.469 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion: 84 Resp: 456313
Ion Ratio Lower Upper
84 100
49 132.7 106.2 159.2
51 40.9 32.7 49.1
86 64.9 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 49.129 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

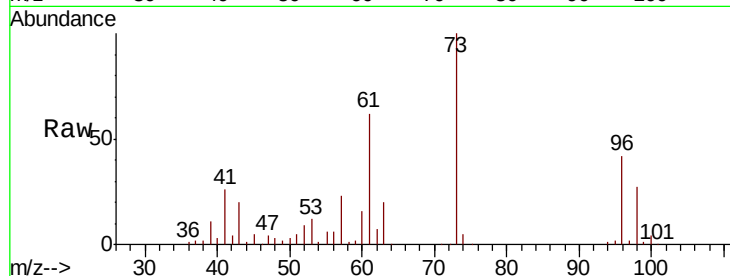
Tot Ion: 96 Resp: 422615

Ion Ratio Lower Upper

96 100

61 147.2 117.8 176.6

98 64.3 51.4 77.2

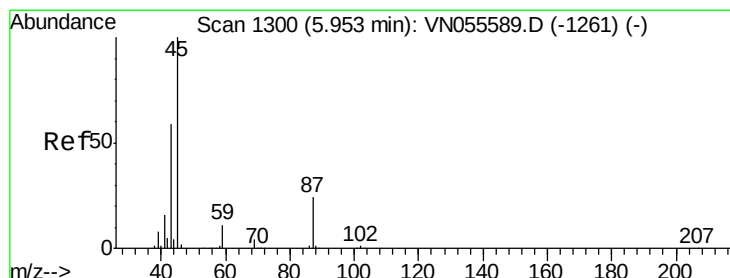
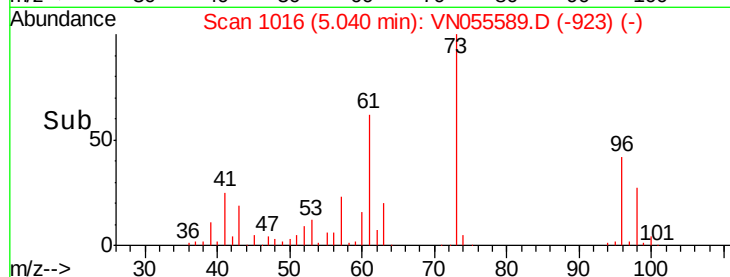
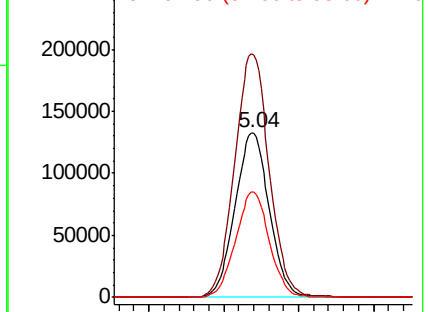


Abundance

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: 47.441 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Tgt Ion: 45 Resp: 1542015

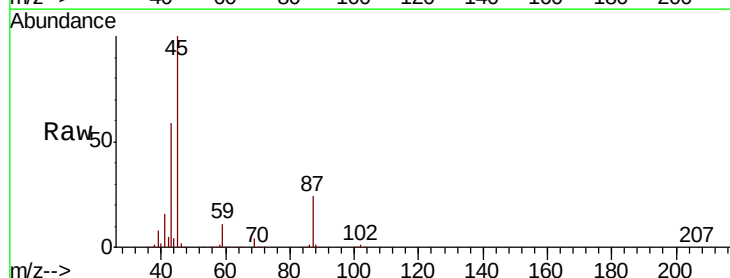
Ion Ratio Lower Upper

45 100

43 58.9 47.1 70.7

87 24.4 19.5 29.3

59 11.2 9.0 13.4



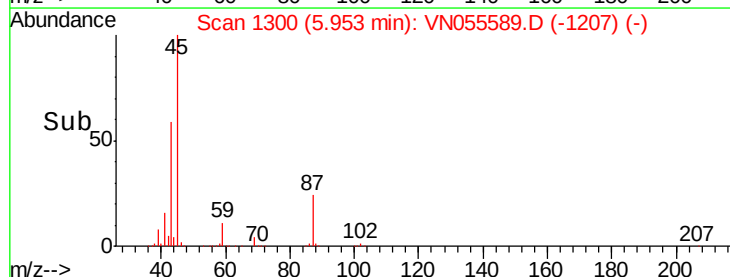
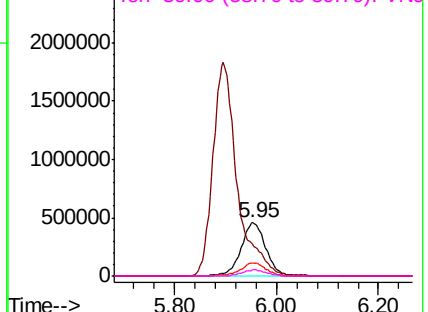
Abundance

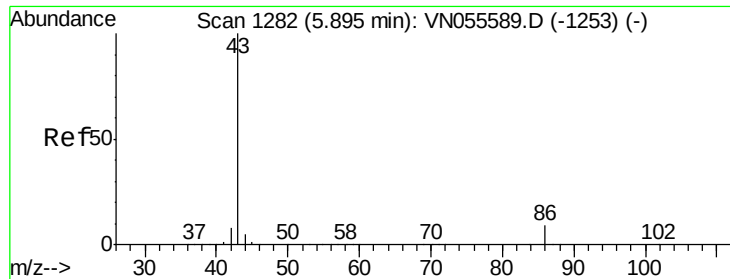
Ion 45.00 (44.70 to 45.70): VN0

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: 241.357 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

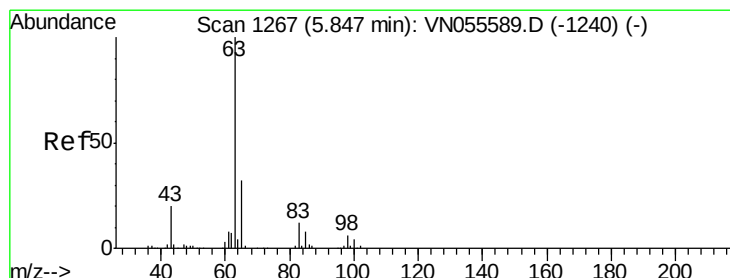
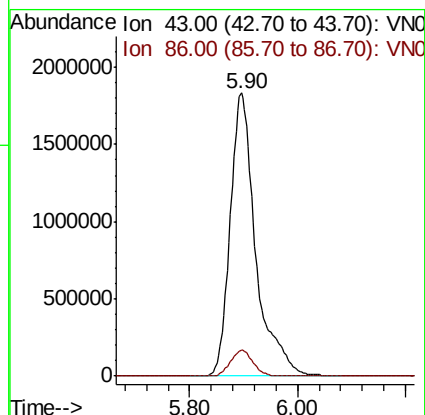
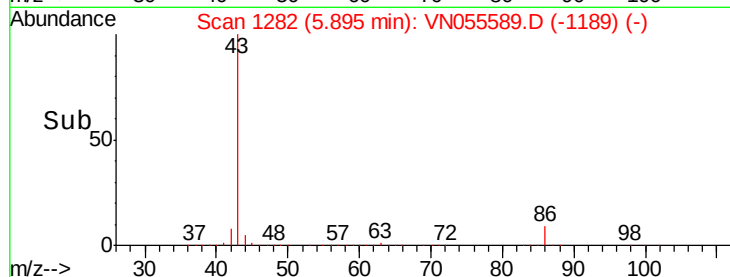
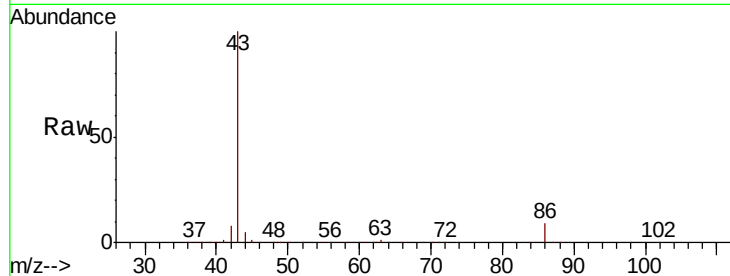
VSTDICCC050

Tot Ion: 43 Resp: 6037418

Ion Ratio Lower Upper

43 100

86 9.2 7.4 11.0



#24

1,1-Dichloroethane

Concen: 46.936 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

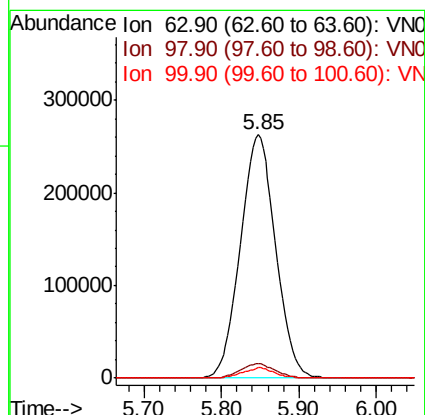
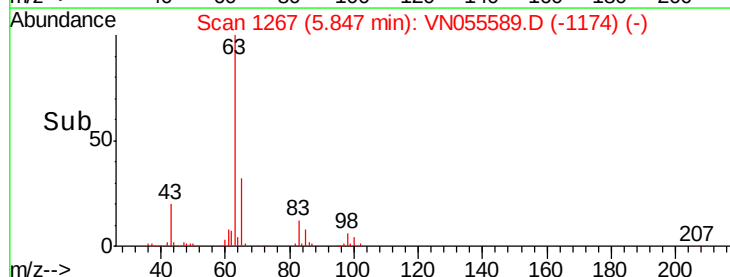
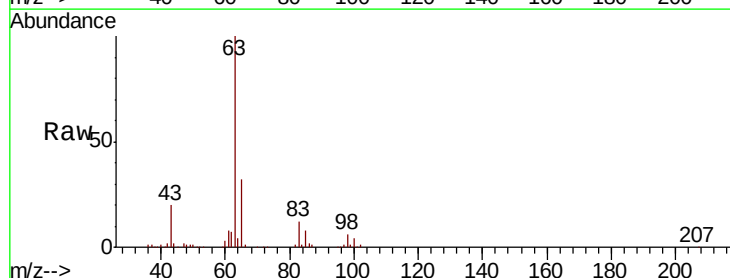
Tgt Ion: 63 Resp: 830198

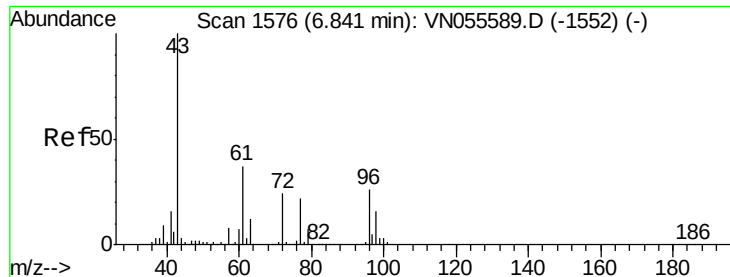
Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.0

100 4.2 2.1 6.3

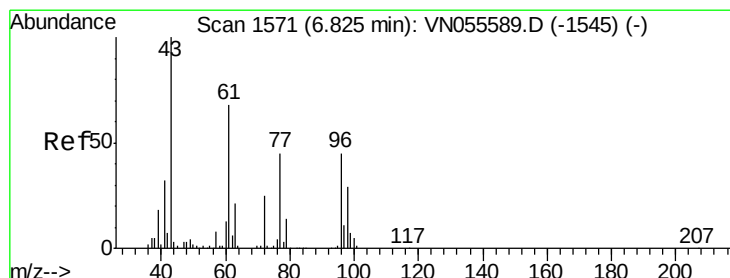
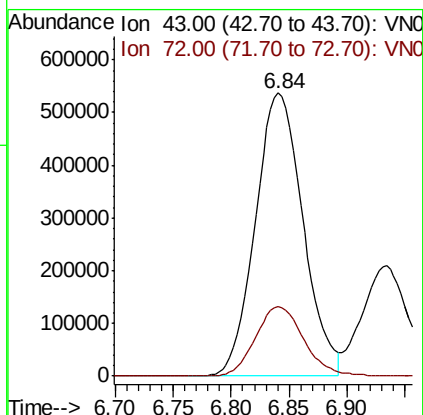
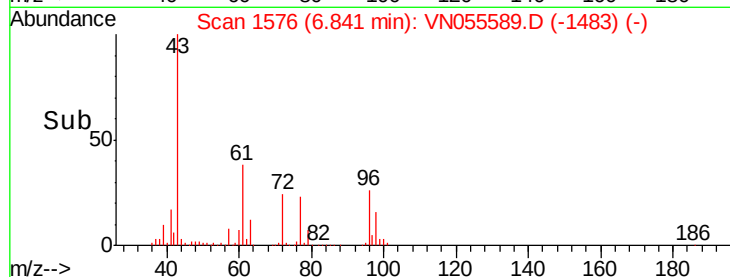
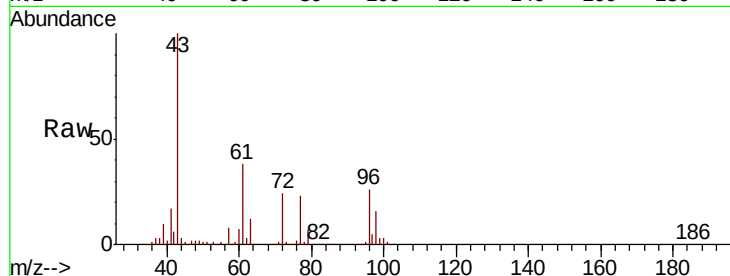




#25
2-Butanone
Concen: 225.839 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

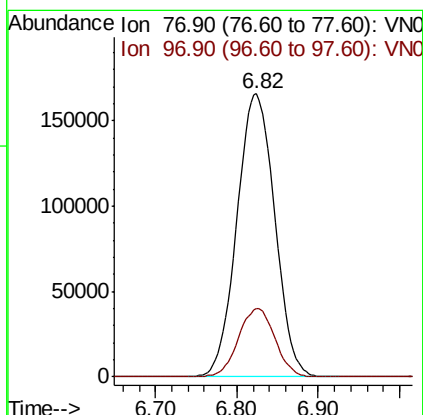
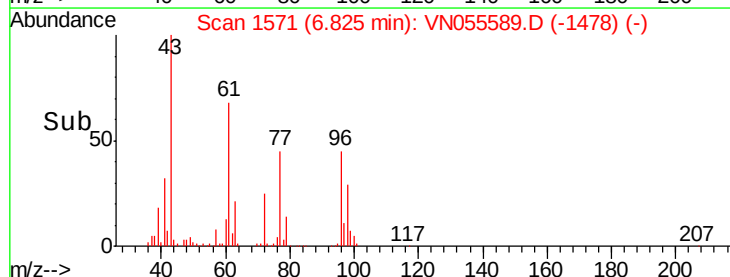
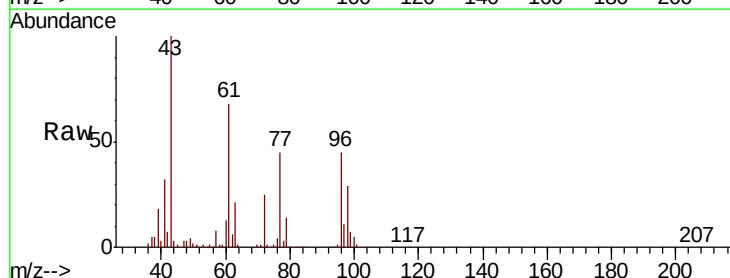
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

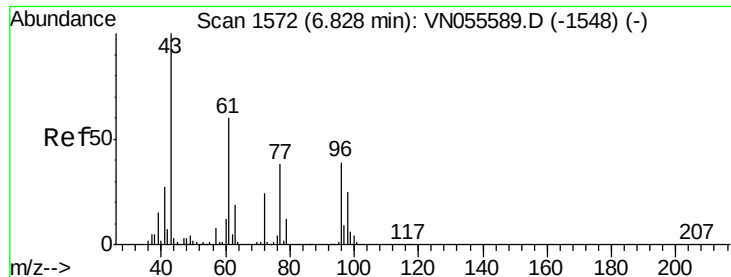
Tot Ion: 43 Resp: 1531879
Ion Ratio Lower Upper
43 100
72 24.4 19.5 29.3



#26
2,2-Dichloropropane
Concen: 48.353 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion: 77 Resp: 532480
Ion Ratio Lower Upper
77 100
97 23.4 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 49.119 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

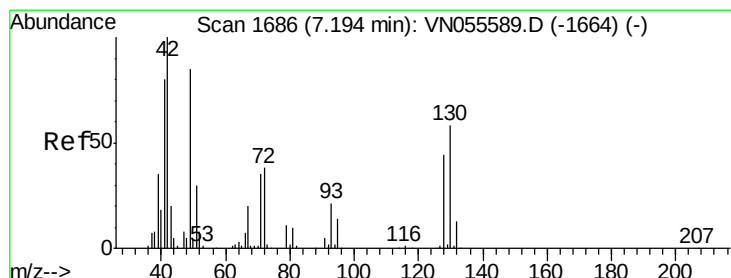
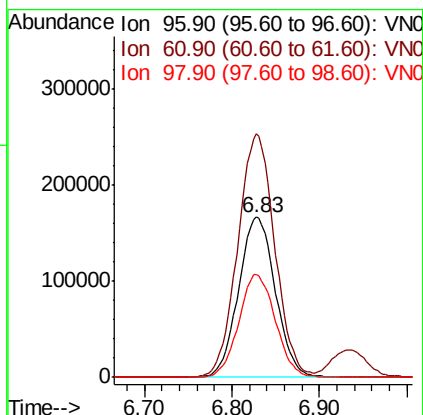
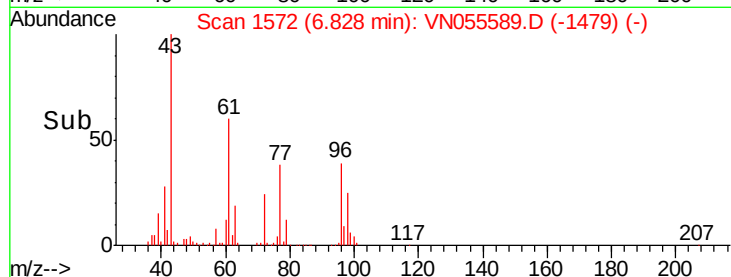
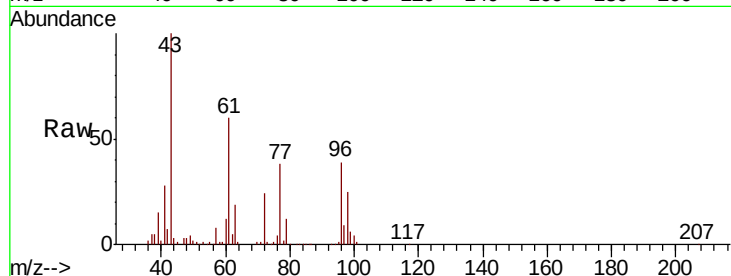
Tot Ion: 96 Resp: 485730

Ion Ratio Lower Upper

96 100

61 152.5 0.0 305.0

98 64.1 0.0 128.2



#28

Bromochloromethane

Concen: 44.996 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

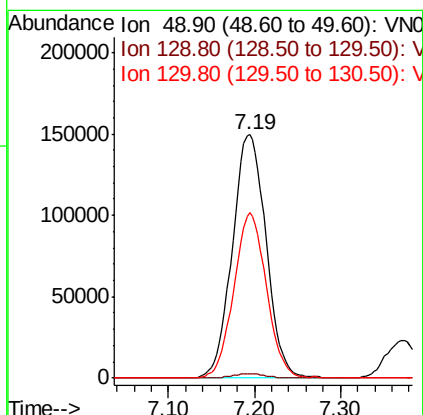
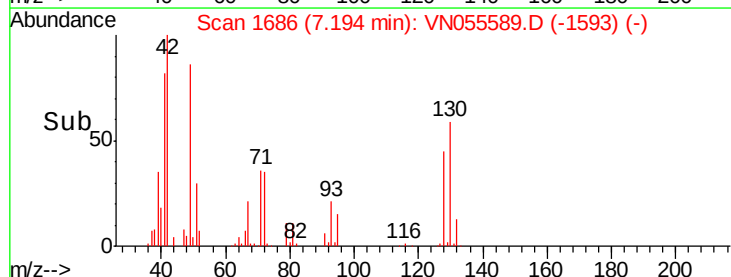
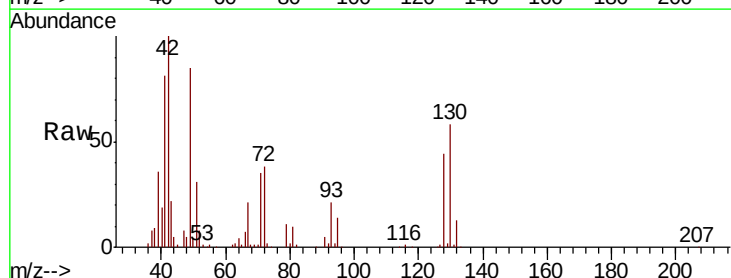
Tgt Ion: 49 Resp: 407153

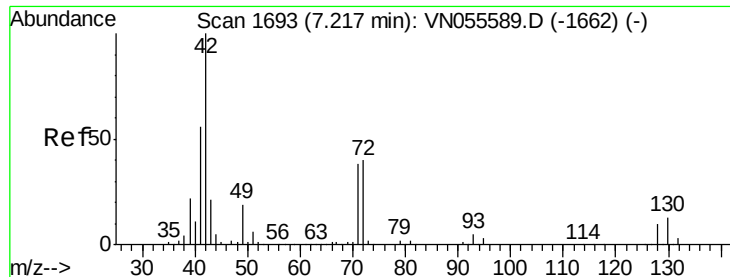
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

130 65.5 52.4 78.6

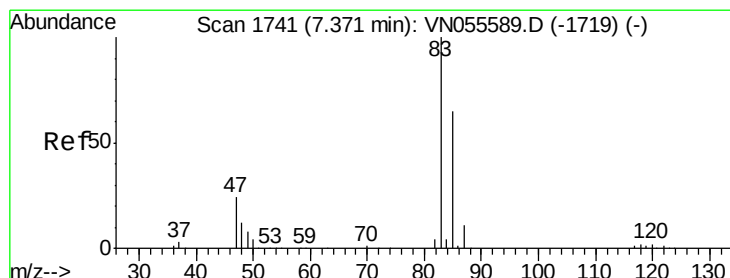
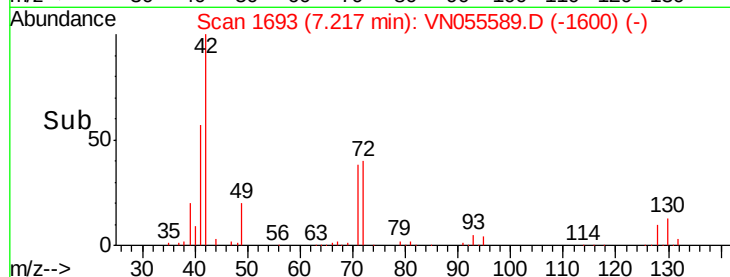
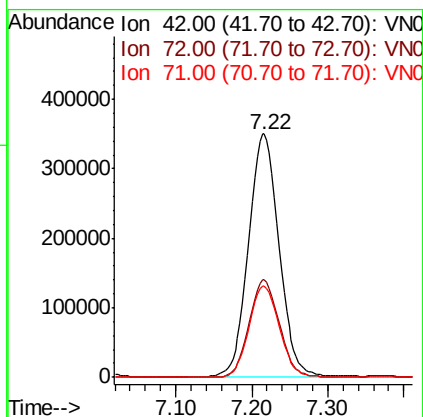
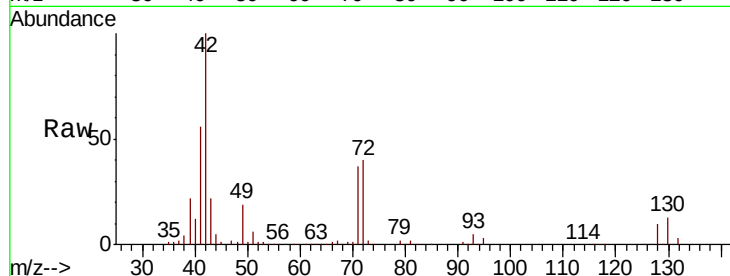




#29
Tetrahydrofuran
Concen: 218.521 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

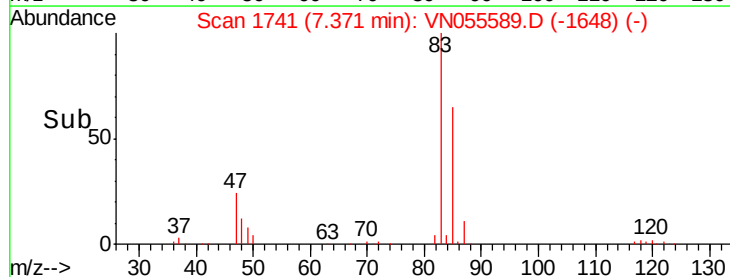
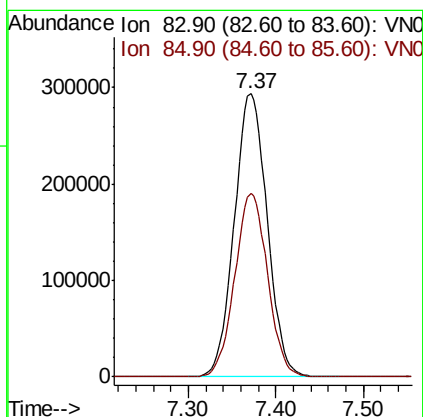
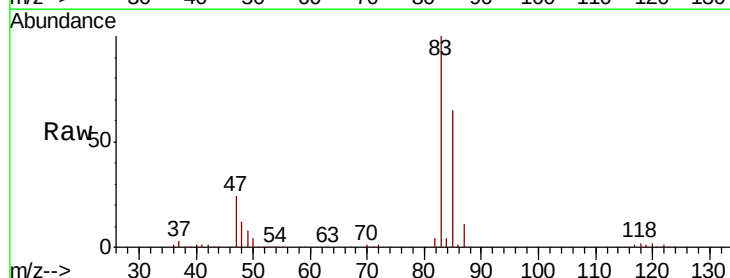
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

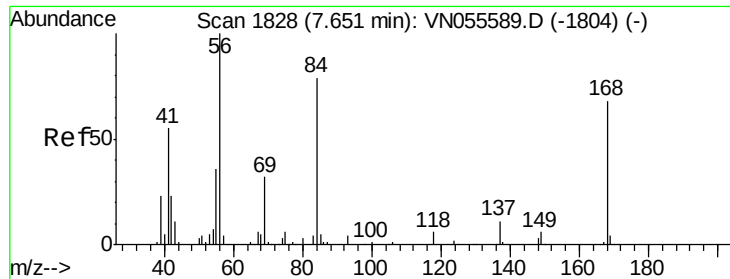
Tot Ion: 42 Resp: 980750
Ion Ratio Lower Upper
42 100
72 39.3 31.4 47.2
71 37.4 29.9 44.9



#30
Chloroform
Concen: 47.037 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion: 83 Resp: 768166
Ion Ratio Lower Upper
83 100
85 64.9 51.9 77.9

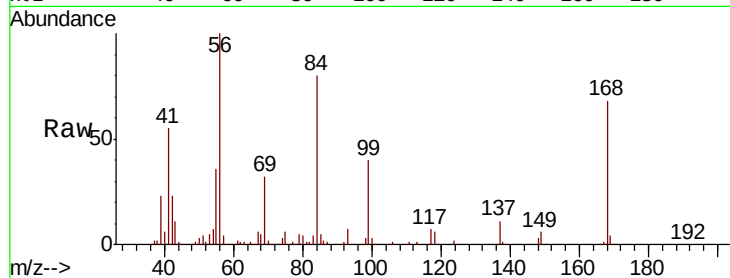




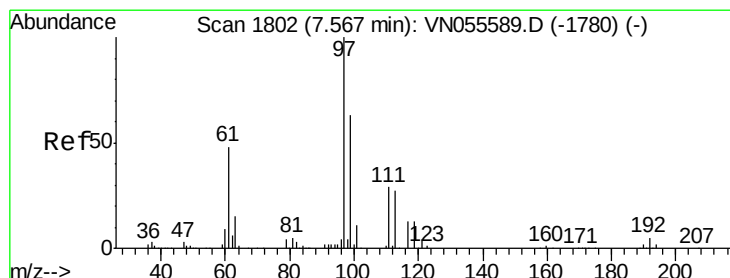
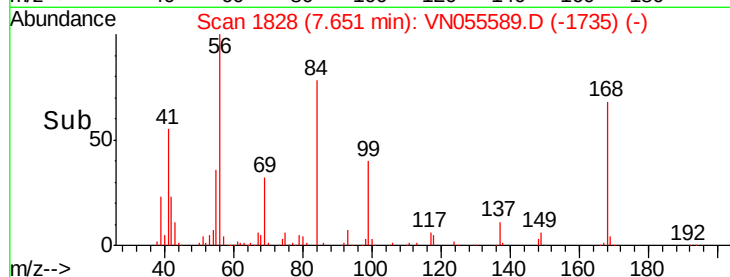
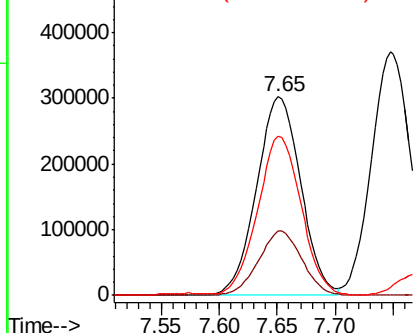
#31
Cyclohexane
Concen: 45.732 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 56 Resp: 800847
Ion Ratio Lower Upper
56 100
69 32.1 25.7 38.5
84 79.2 63.4 95.0

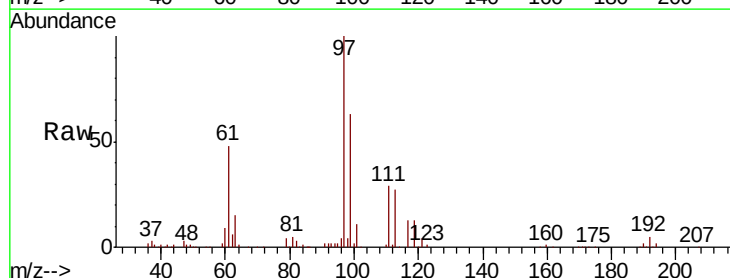


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

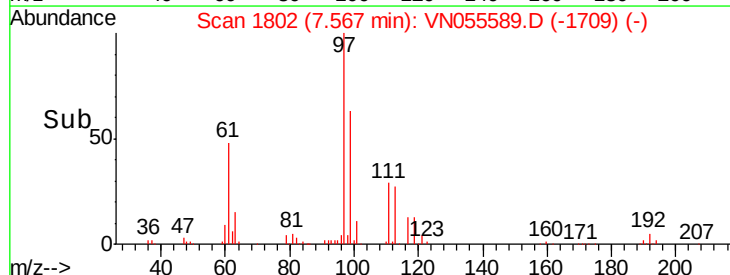
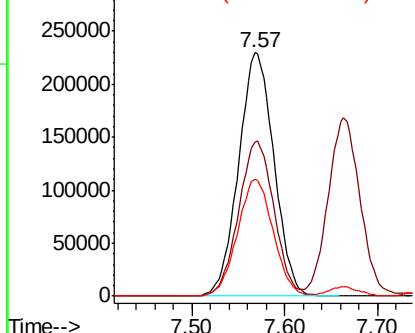


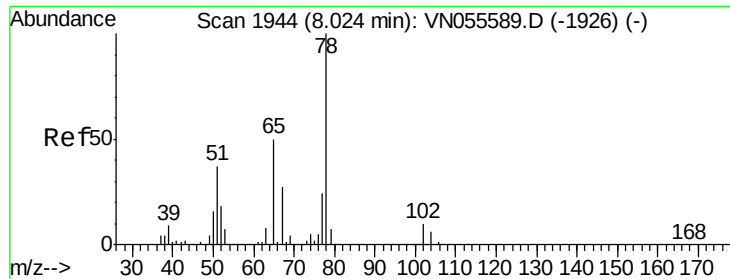
#32
1,1,1-Trichloroethane
Concen: 48.760 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion: 97 Resp: 608497
Ion Ratio Lower Upper
97 100
99 63.5 50.8 76.2
61 48.4 38.7 58.1



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

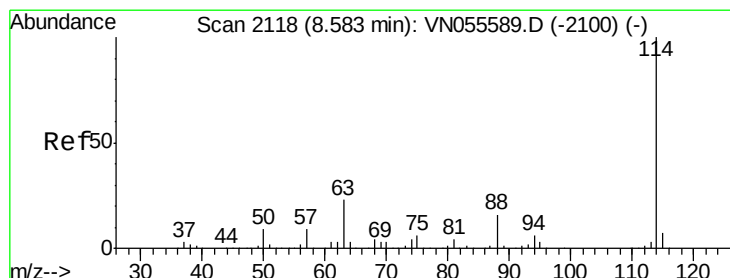
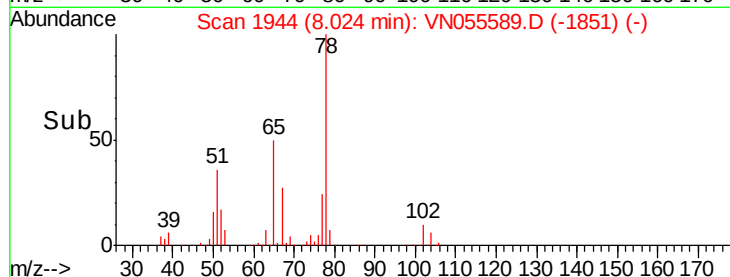
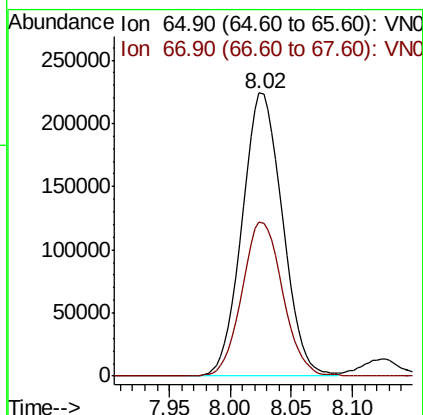
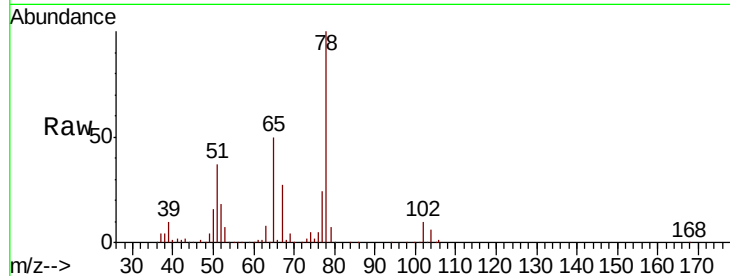




#33
 1,2-Dichloroethane-d4
 Concen: 47.584 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

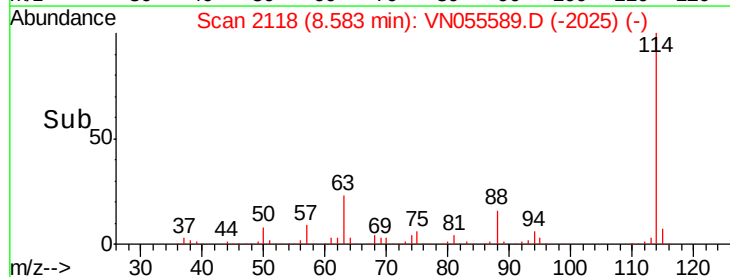
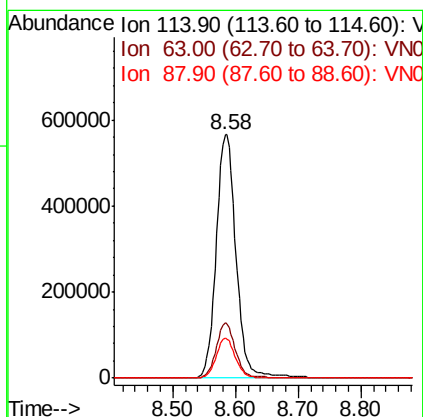
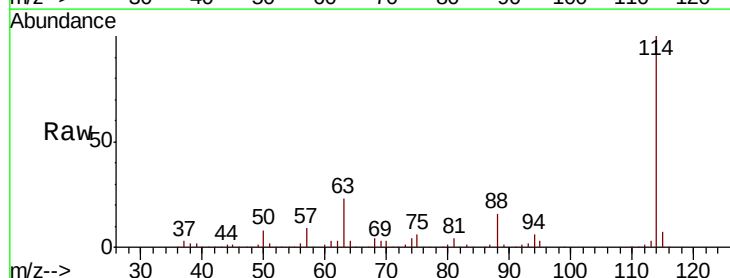
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

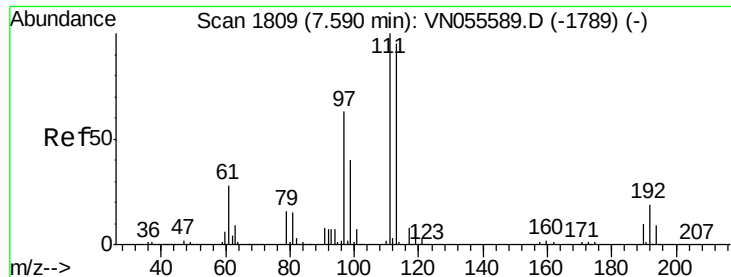
Tot Ion: 65 Resp: 514345
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

Tgt Ion: 114 Resp: 1245928
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.8
 88 16.3 0.0 32.6

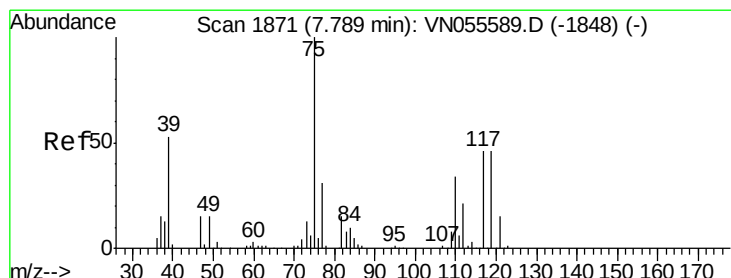
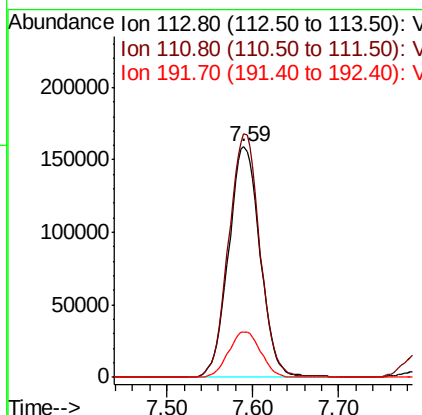
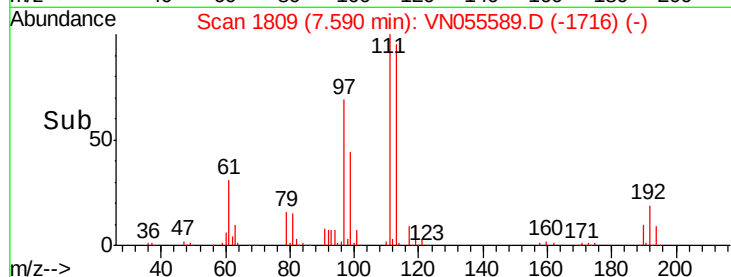
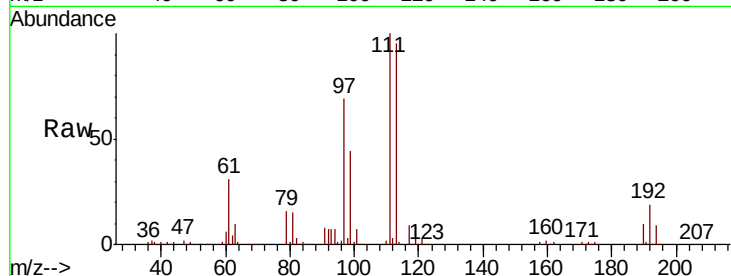




#35
 Dibromofluoromethane
 Concen: 50.429 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

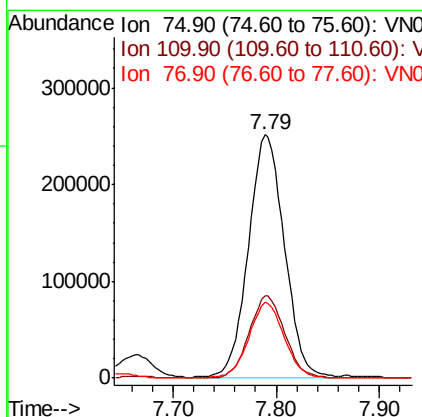
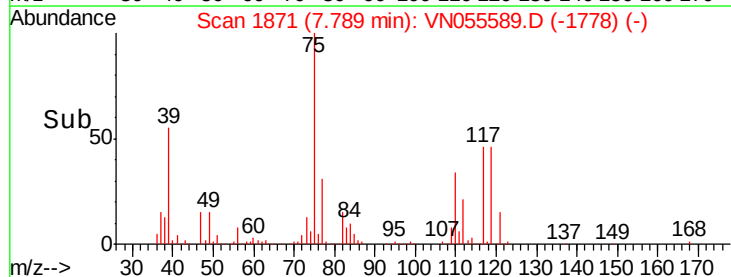
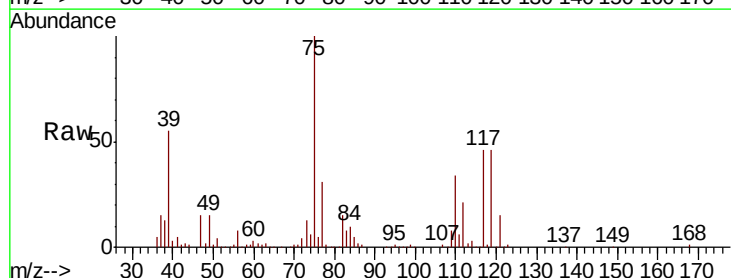
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

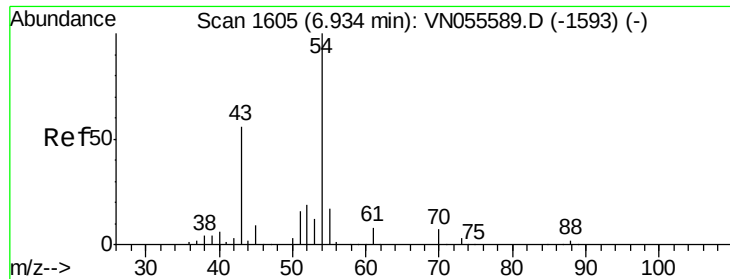
Tot Ion:113 Resp: 405762
 Ion Ratio Lower Upper
 113 100
 111 104.4 83.5 125.3
 192 20.0 16.0 24.0



#36
 1,1-Dichloropropene
 Concen: 49.498 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

Tgt Ion: 75 Resp: 604342
 Ion Ratio Lower Upper
 75 100
 110 33.8 16.9 50.7
 77 31.1 24.9 37.3

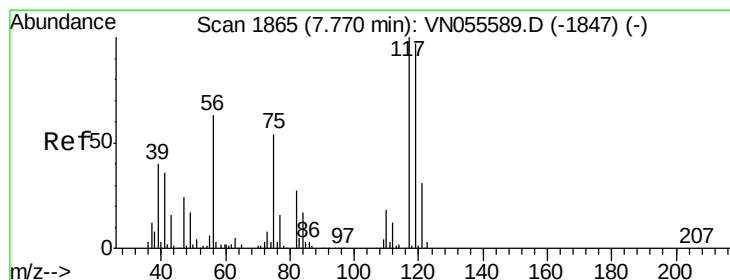
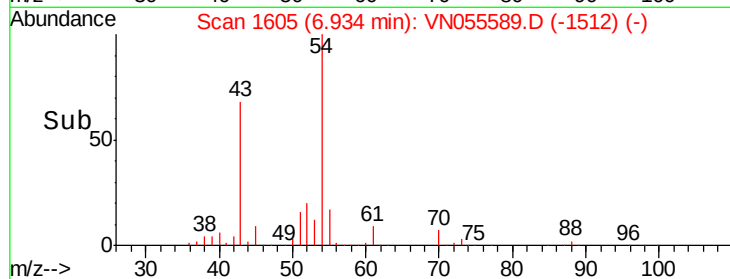
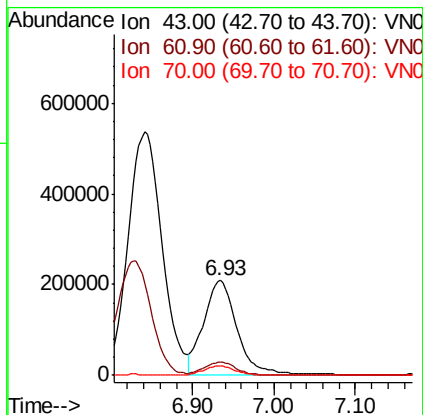
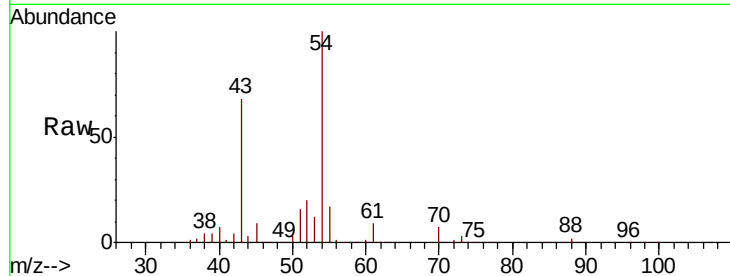




#37
Ethyl Acetate
Concen: 45.421 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

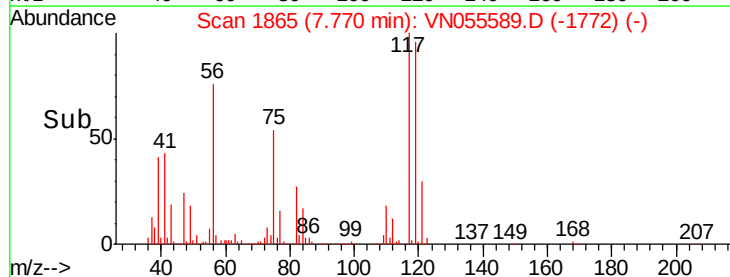
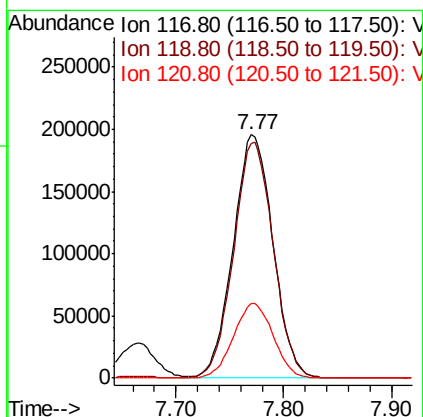
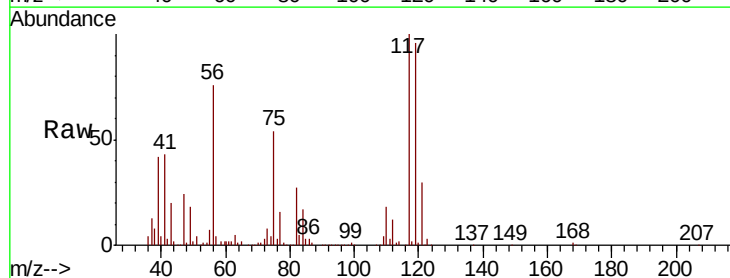
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

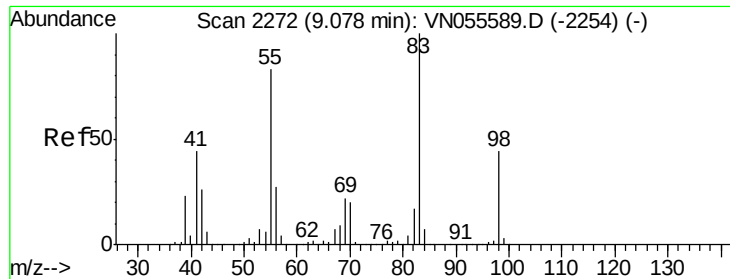
Tot Ion: 43 Resp: 593153
Ion Ratio Lower Upper
43 100
61 13.5 10.8 16.2
70 9.3 7.4 11.2



#38
Carbon Tetrachloride
Concen: 48.507 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion: 117 Resp: 501539
Ion Ratio Lower Upper
117 100
119 96.4 77.1 115.7
121 30.5 24.4 36.6

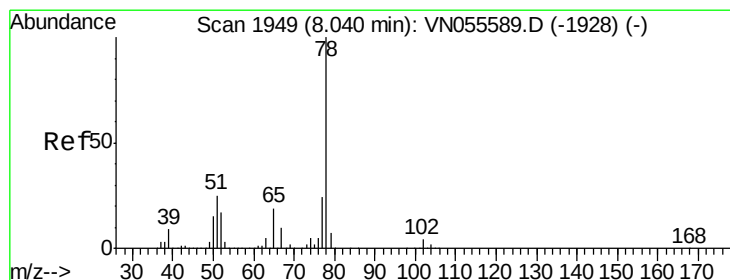
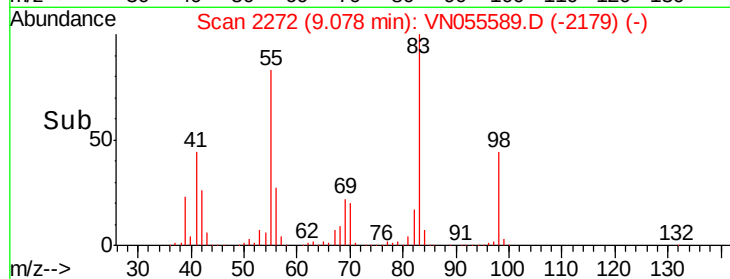
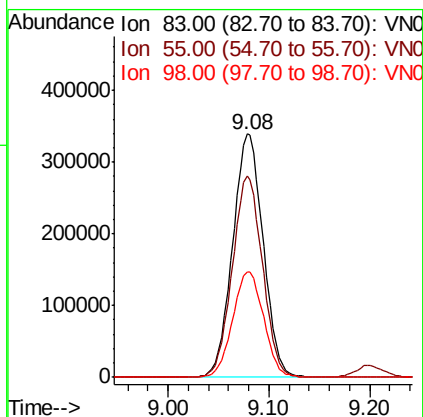
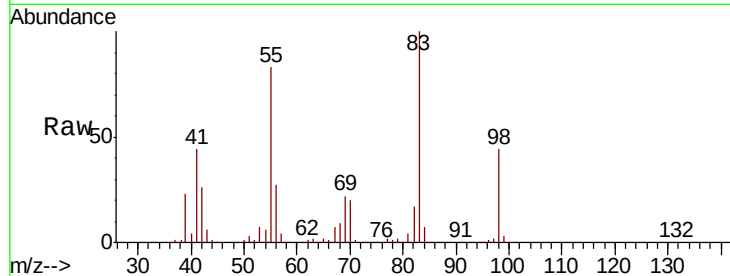




#39
Methylvlcyclohexane
Concen: 47.879 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

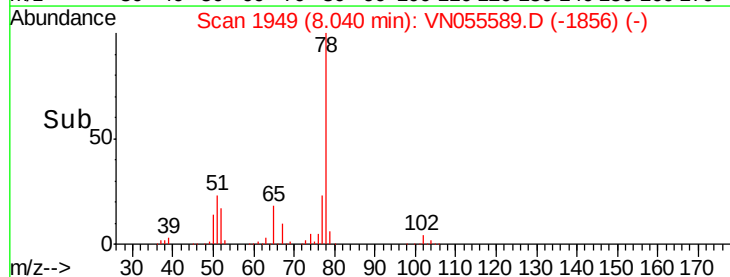
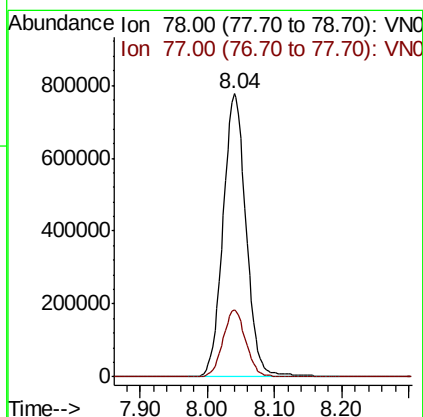
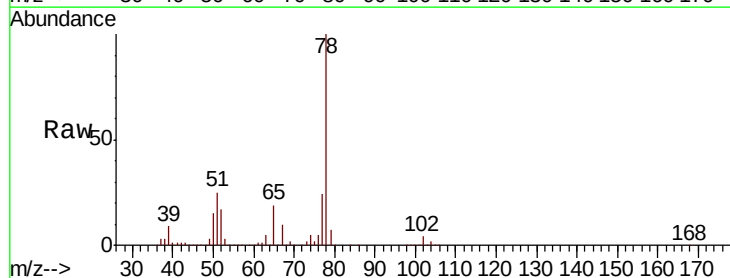
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

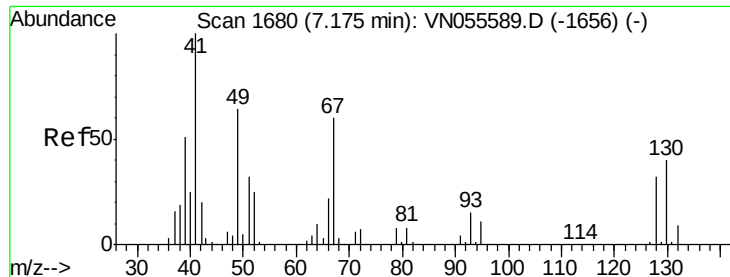
Tot Ion: 83 Resp: 712266
Ion Ratio Lower Upper
83 100
55 82.9 66.3 99.5
98 43.5 34.8 52.2



#40
Benzene
Concen: 49.061 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion: 78 Resp: 1856978
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3

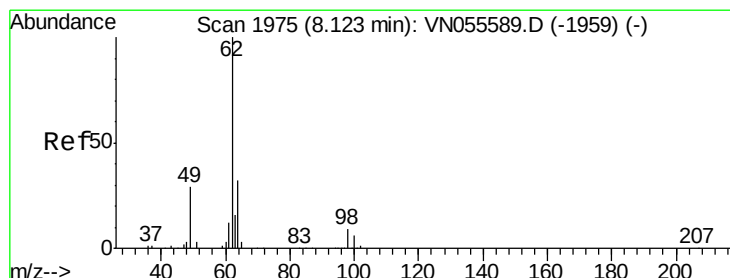
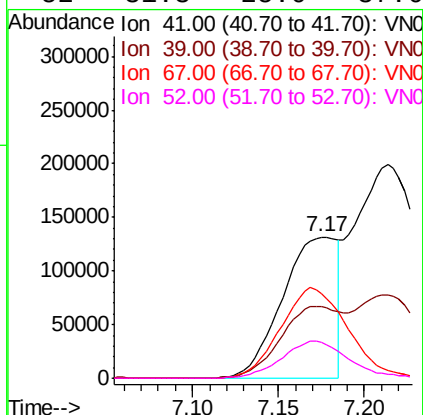
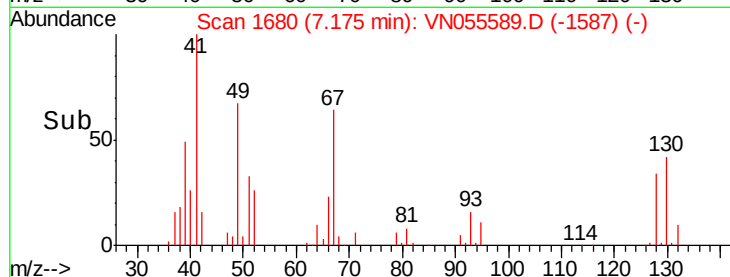
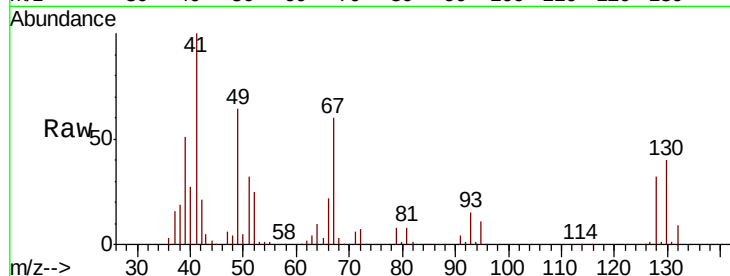




#41
Methacrylonitrile
Concen: 48.303 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

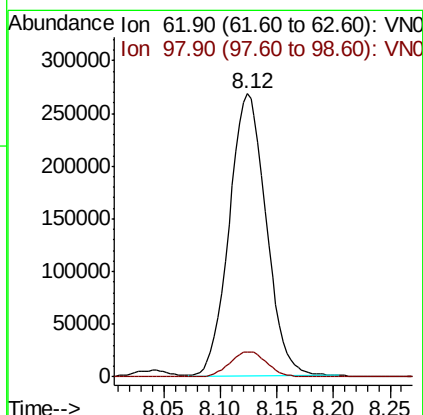
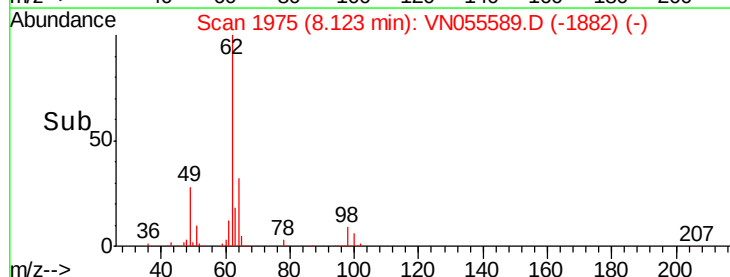
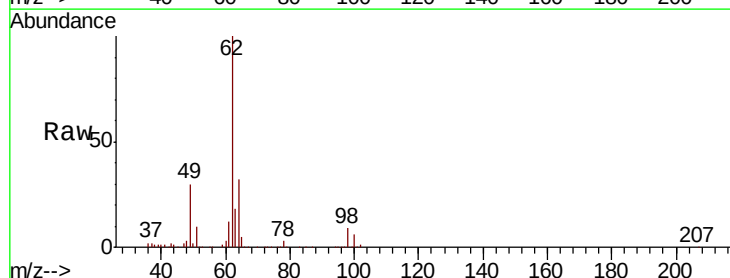
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

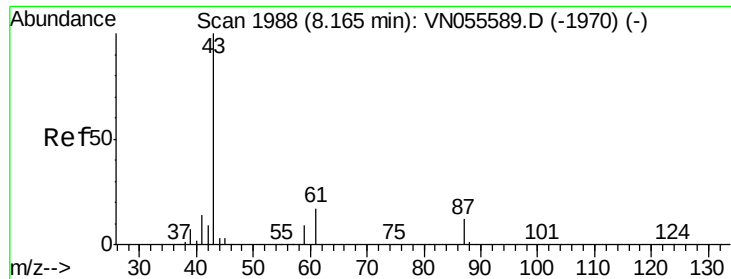
Tot Ion:	41	Resp:	292009
Ion	Ratio	Lower	Upper
41	100		
39	55.1	44.1	66.1
67	79.2	63.4	95.0
52	31.3	25.0	37.6



#42
1,2-Dichloroethane
Concen: 46.031 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion:	62	Resp:	609899
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.0





#43

Isopropyl Acetate

Concen: 46.461 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

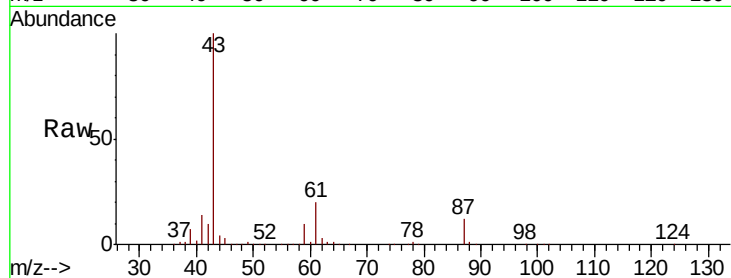
Tot Ion: 43 Resp: 918892

Ion Ratio Lower Upper

43 100

61 20.1 16.1 24.1

87 12.0 9.6 14.4

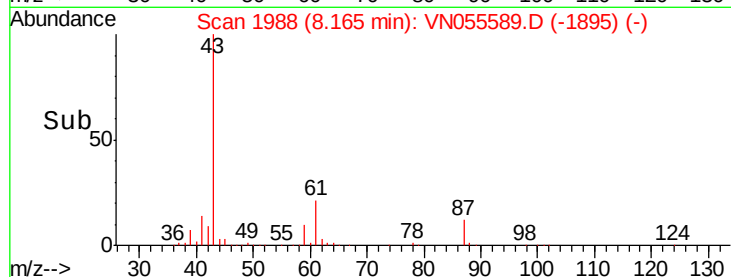


Abundance Ion 43.00 (42.70 to 43.70): VN055589.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055589.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055589.D (-1970) (-)

8.17



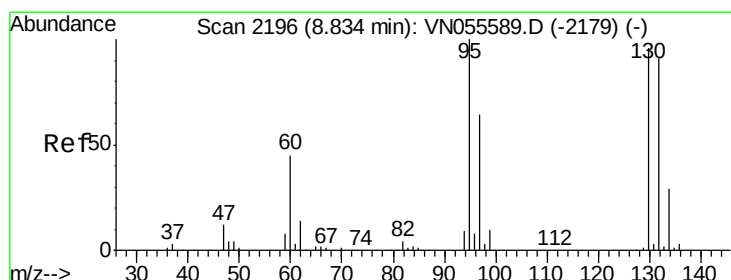
Abundance Ion 43.00 (42.70 to 43.70): VN055589.D (-1895) (-)

Ion 61.00 (60.70 to 61.70): VN055589.D (-1895) (-)

Ion 87.00 (86.70 to 87.70): VN055589.D (-1895) (-)

8.17

Time-->



#44

Trichloroethene

Concen: 49.439 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055589.D

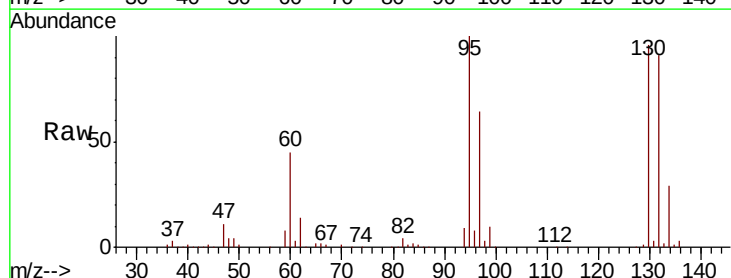
Acq: 14 May 2019 12:47

Tgt Ion:130 Resp: 448368

Ion Ratio Lower Upper

130 100

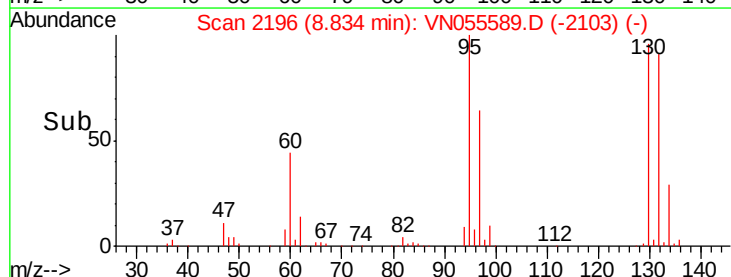
95 104.3 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN055589.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055589.D (-2179) (-)

8.83

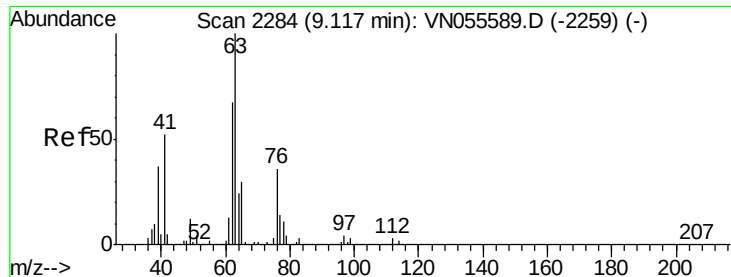


Abundance Ion 129.80 (129.50 to 130.50): VN055589.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN055589.D (-2103) (-)

8.83

Time-->



#45

1,2-Dichloropropane

Concen: 47.203 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampled :

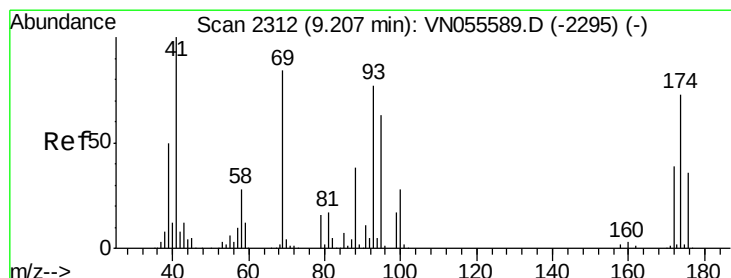
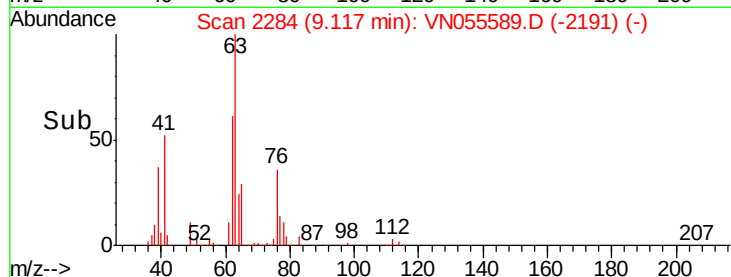
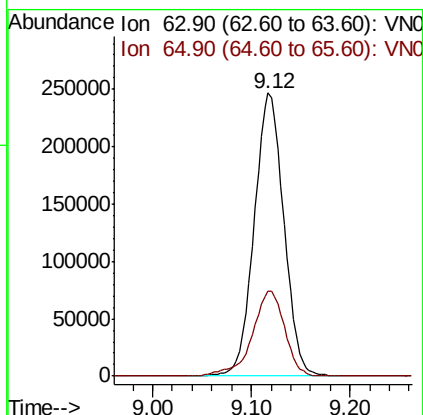
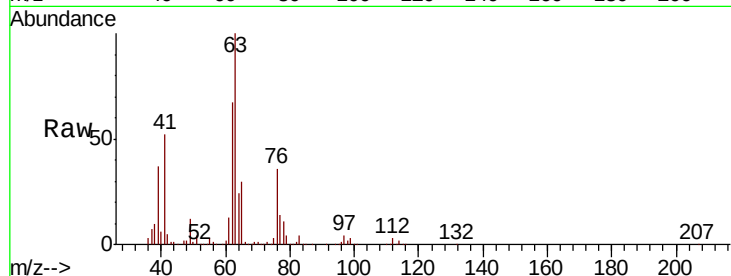
VSTDICCC050

Tot Ion: 63 Resp: 510086

Ion Ratio Lower Upper

63 100

65 30.1 24.1 36.1



#46

Dibromomethane

Concen: 47.409 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

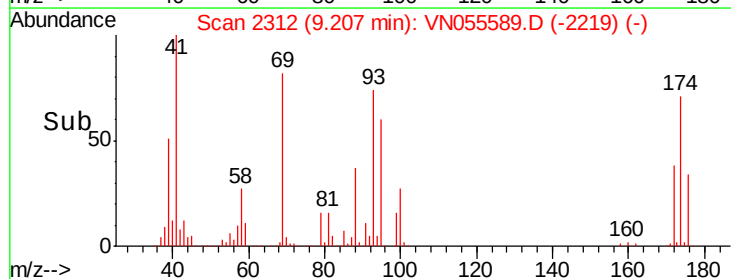
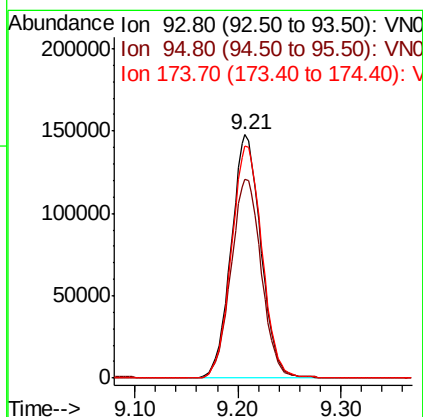
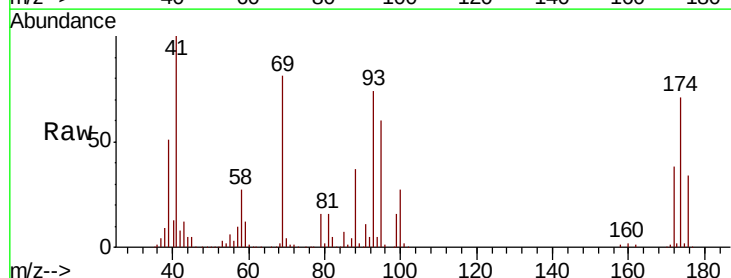
Tgt Ion: 93 Resp: 296730

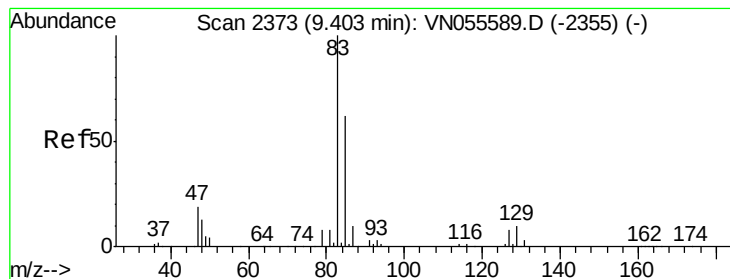
Ion Ratio Lower Upper

93 100

95 83.3 66.6 100.0

174 98.0 78.4 117.6





#47

Bromodichloromethane

Concen: 49.131 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

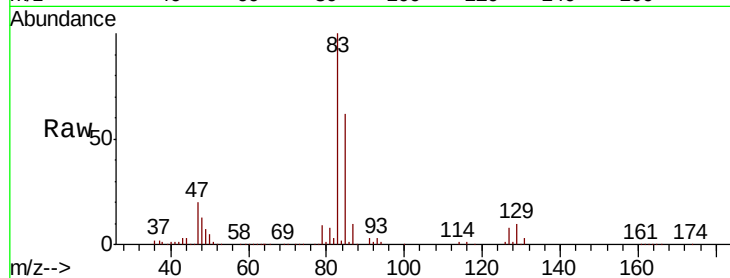
Tot Ion: 83 Resp: 590741

Ion Ratio Lower Upper

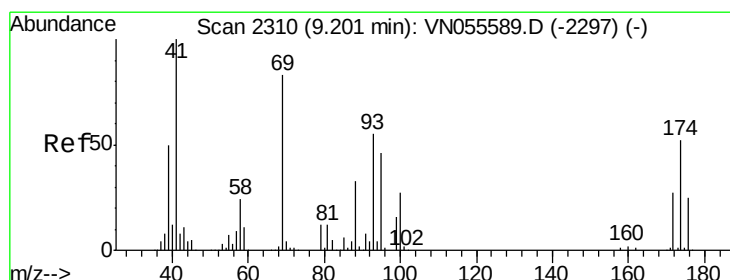
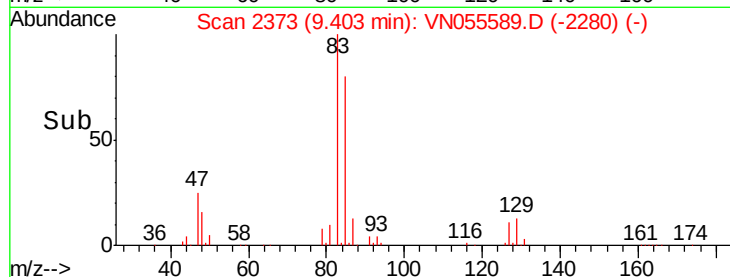
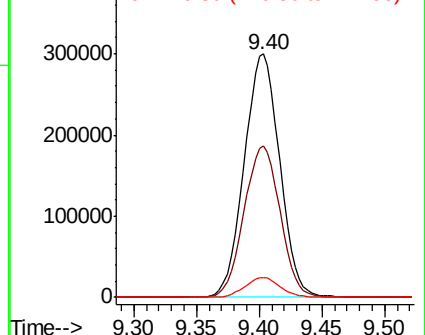
83 100

85 62.0 49.6 74.4

127 8.2 6.6 9.8



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



#48

Methyl methacrylate

Concen: 46.691 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

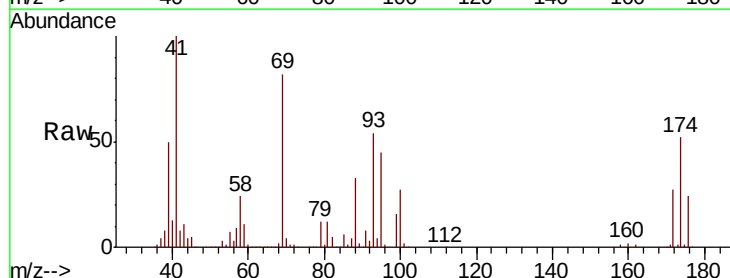
Tgt Ion: 41 Resp: 446261

Ion Ratio Lower Upper

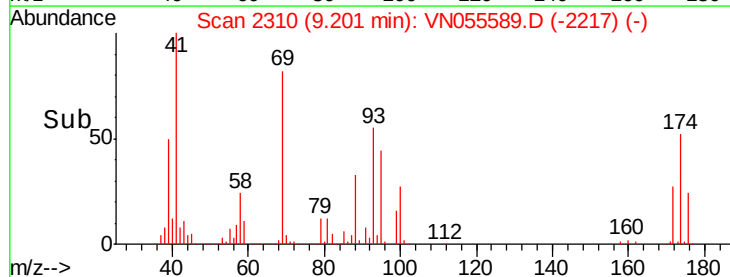
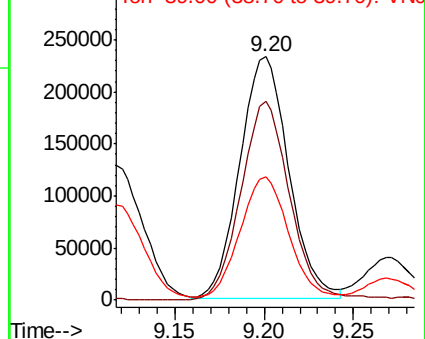
41 100

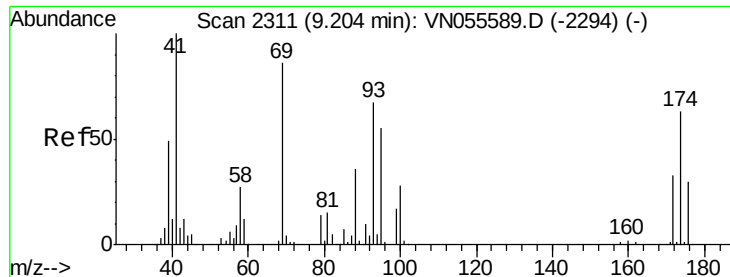
69 82.1 65.7 98.5

39 50.3 40.2 60.4



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

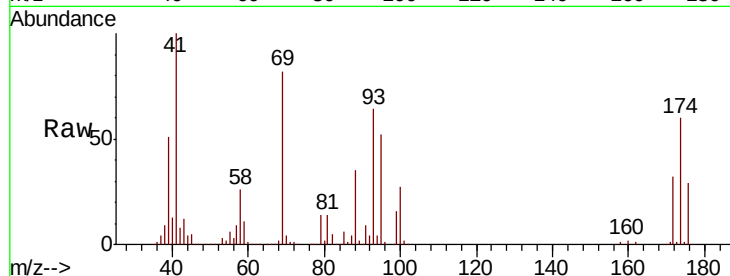




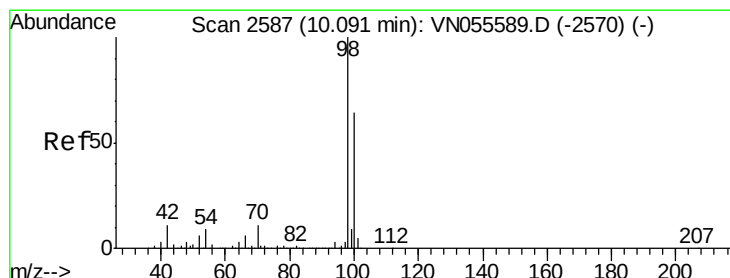
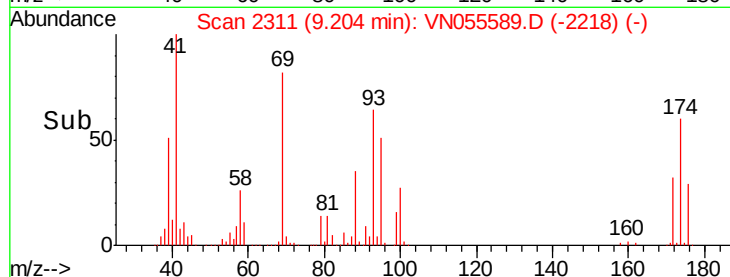
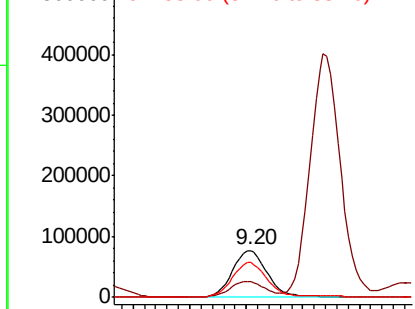
#49
1,4-Dioxane
Concen: 900.371 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 88 Resp: 166629
Ion Ratio Lower Upper
88 100
43 31.7 25.4 38.0
58 74.3 59.4 89.2

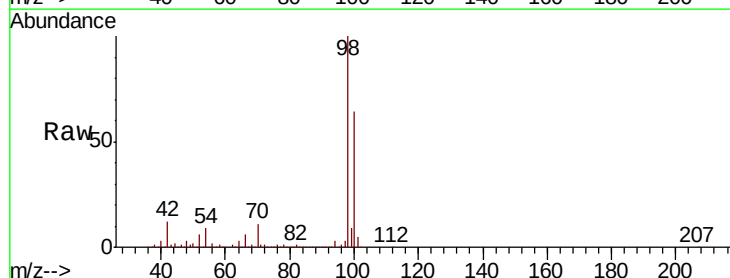


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

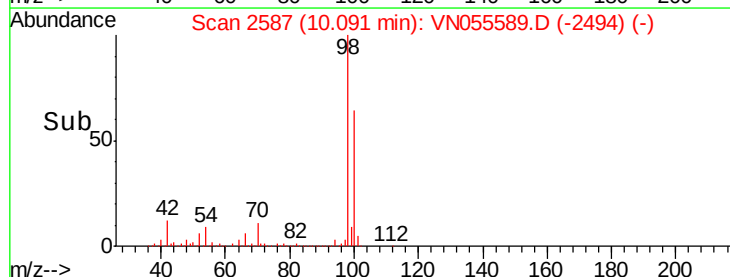
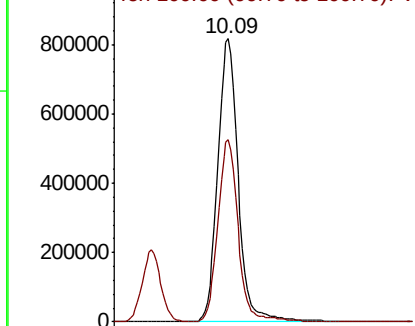


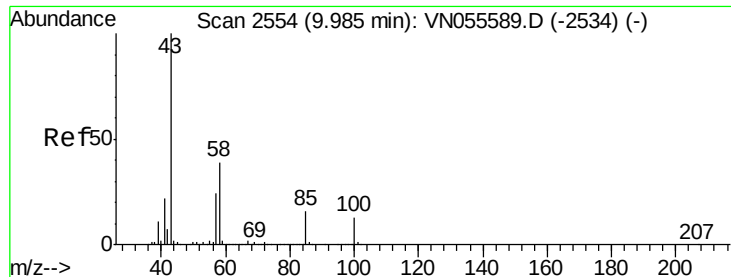
#50
Toluene-d8
Concen: 51.105 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion: 98 Resp: 1600172
Ion Ratio Lower Upper
98 100
100 63.4 50.7 76.1



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: 222.520 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

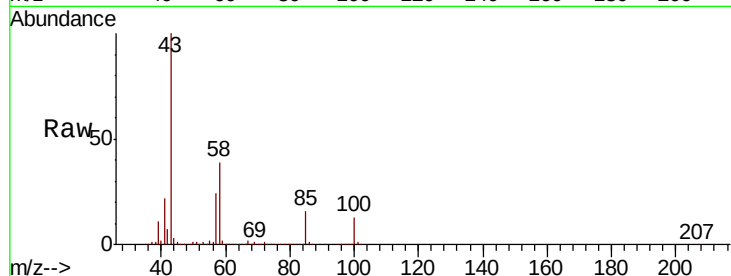
VSTDICCC050

Tot Ion: 43 Resp: 2880571

Ion Ratio Lower Upper

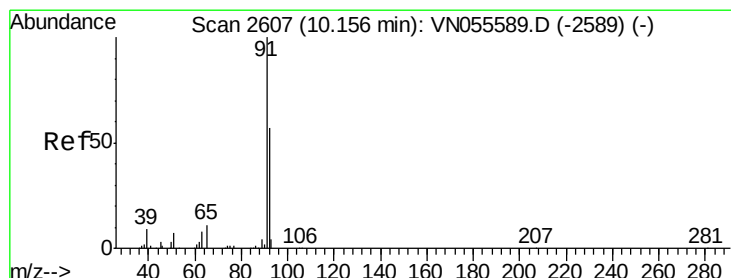
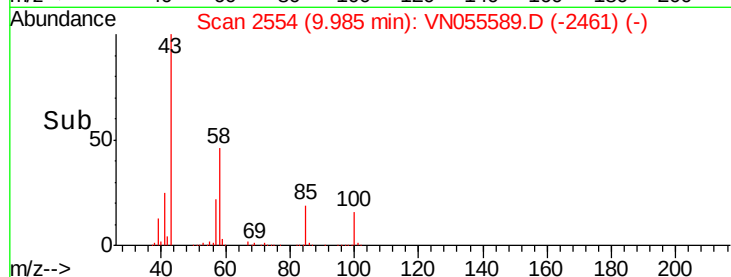
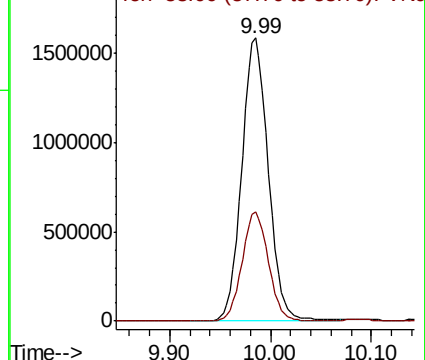
43 100

58 38.3 30.6 46.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.233 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055589.D

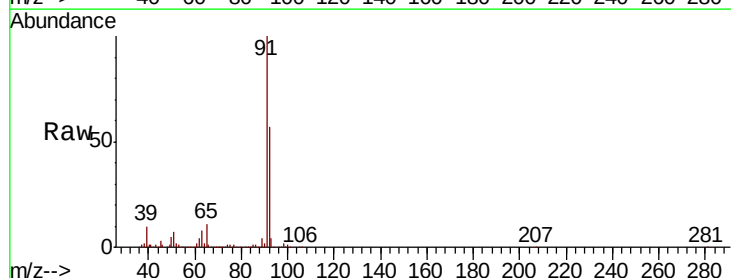
Acq: 14 May 2019 12:47

Tgt Ion: 92 Resp: 1088314

Ion Ratio Lower Upper

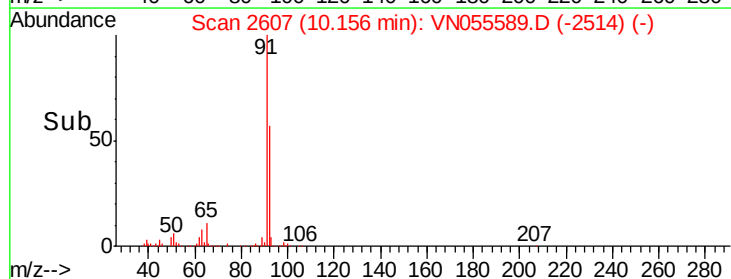
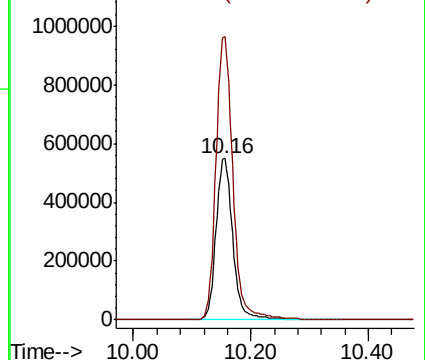
92 100

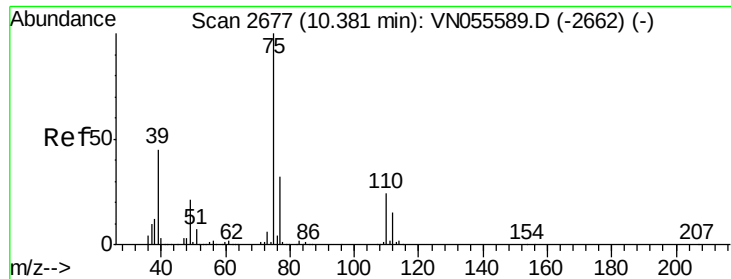
91 176.9 141.5 212.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 51.660 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

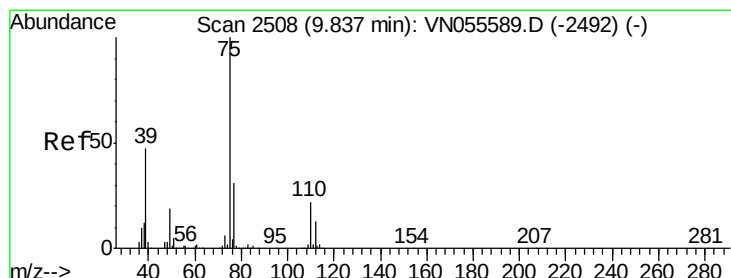
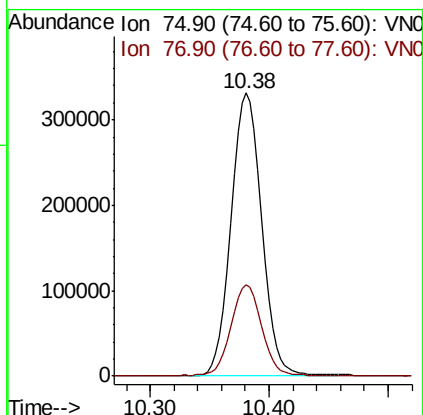
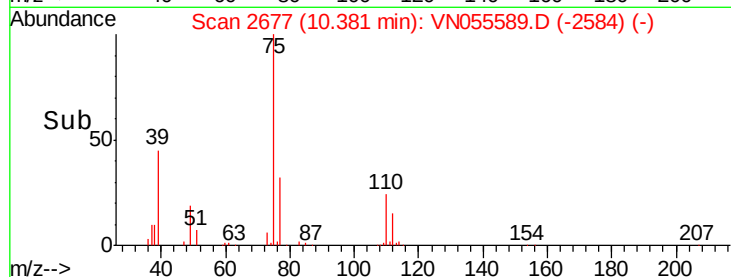
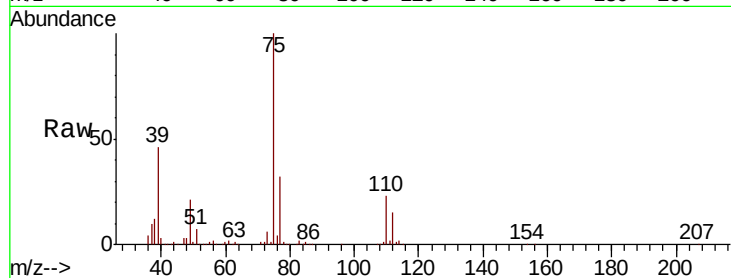
VSTDICCC050

Tot Ion: 75 Resp: 593775

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 52.223 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

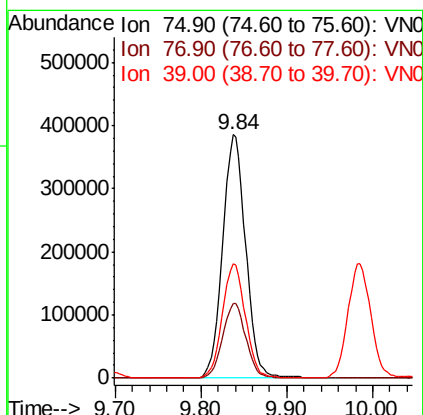
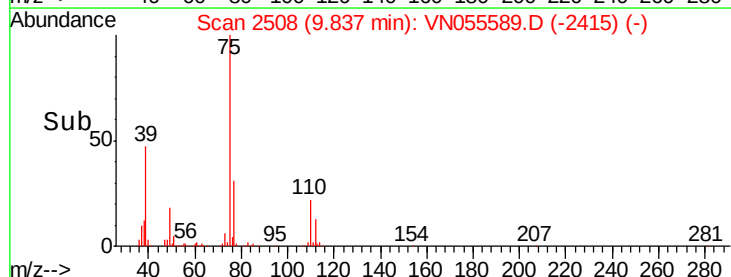
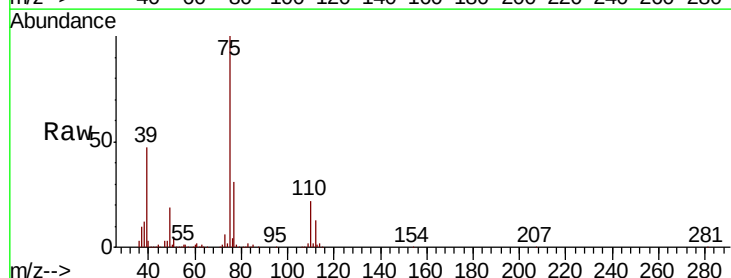
Tgt Ion: 75 Resp: 719573

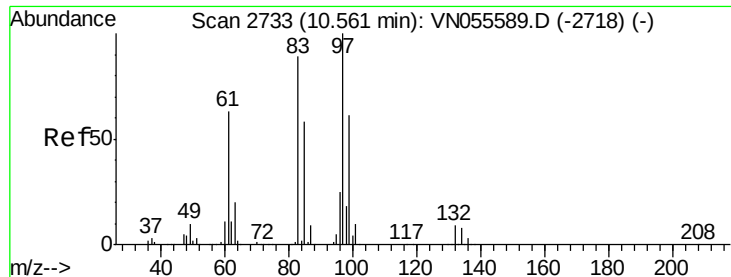
Ion Ratio Lower Upper

75 100

77 30.6 24.5 36.7

39 47.1 37.7 56.5

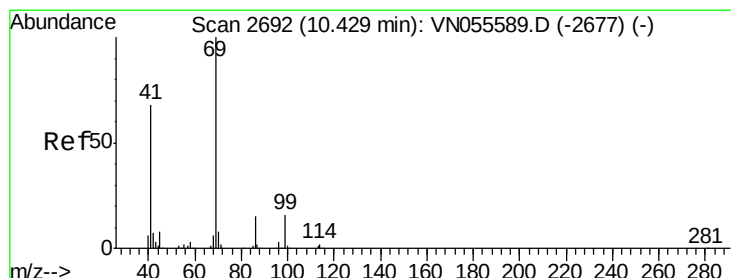
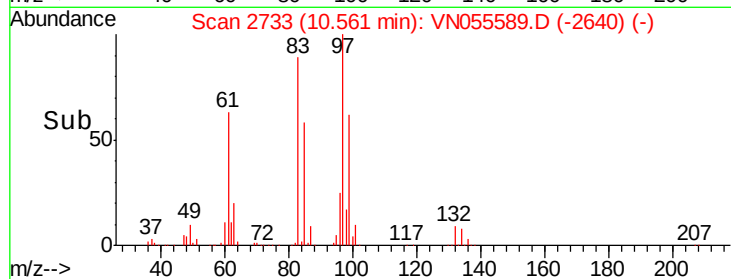
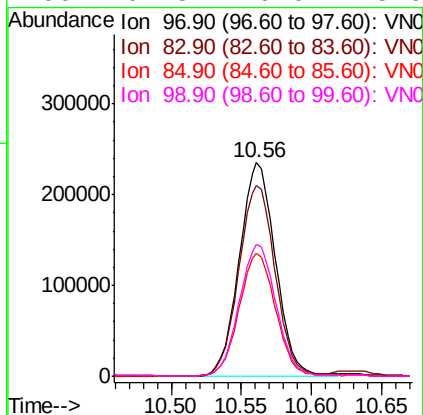
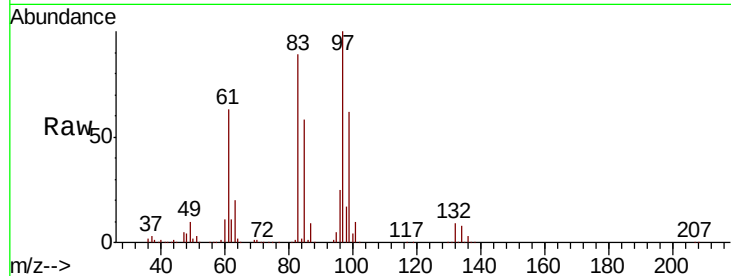




#55
 1,1,2-Trichloroethane
 Concen: 48.307 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

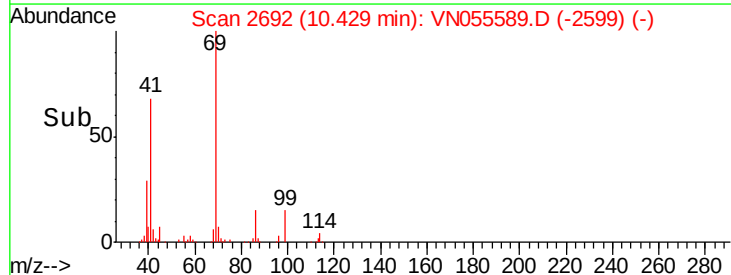
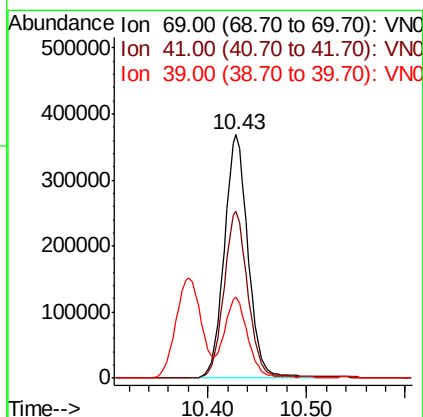
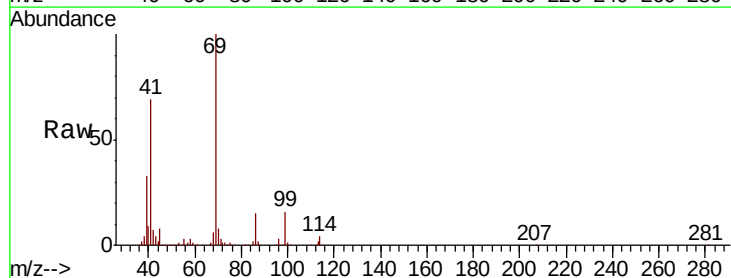
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

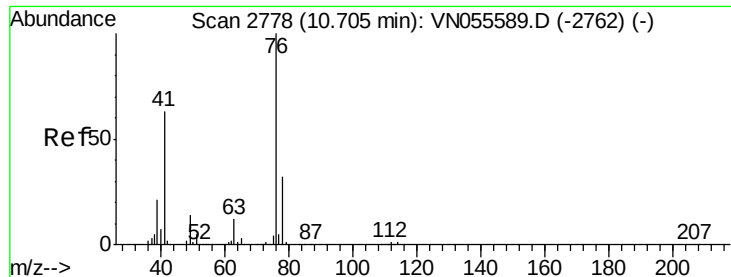
Tot Ion:	97	Resp:	423118
Ion	Ratio	Lower	Upper
97	100		
83	89.4	71.5	107.3
85	57.8	46.2	69.4
99	61.3	49.0	73.6



#56
 Ethyl methacrylate
 Concen: 48.571 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

Tgt Ion:	69	Resp:	626330
Ion	Ratio	Lower	Upper
69	100		
41	68.3	54.6	82.0
39	31.9	25.5	38.3





#57

1,3-Dichloropropane

Concen: 48.217 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

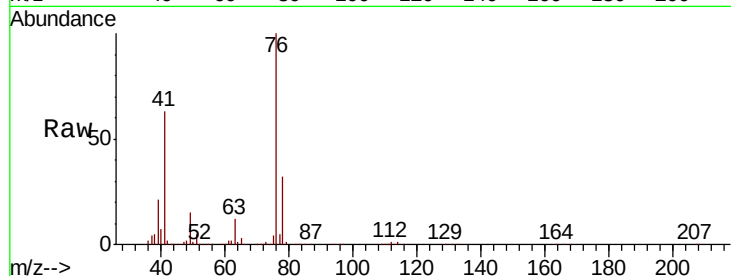
VSTDICCC050

Tot Ion: 76 Resp: 747207

Ion Ratio Lower Upper

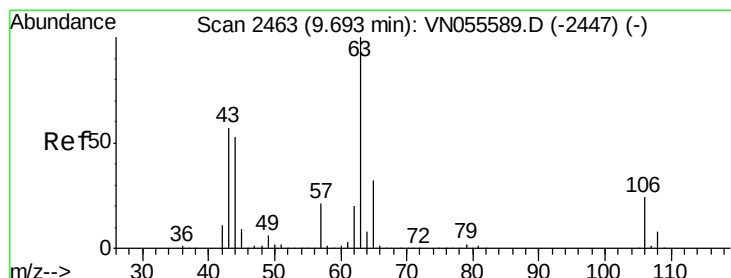
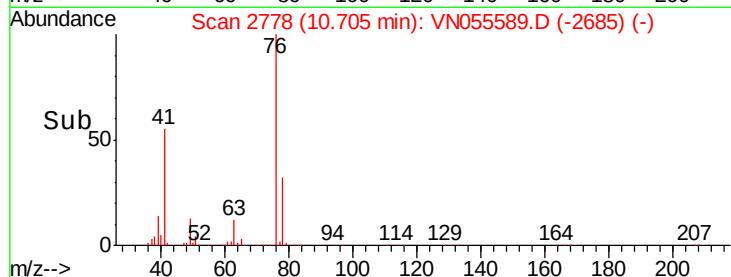
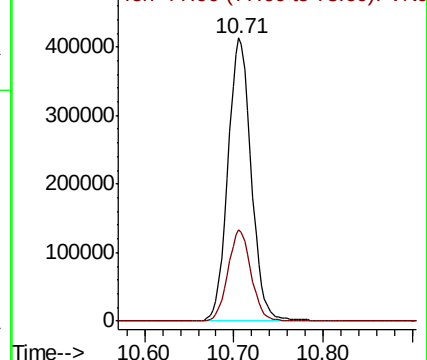
76 100

78 32.0 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 244.046 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055589.D

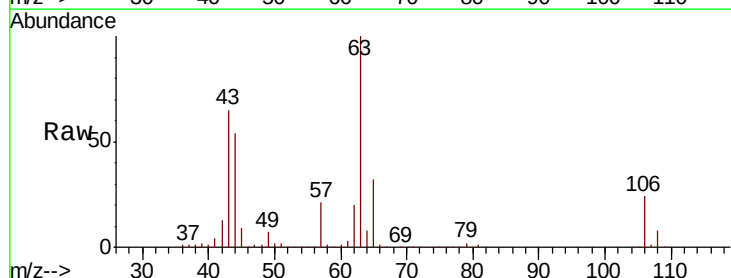
Acq: 14 May 2019 12:47

Tgt Ion: 63 Resp: 867325

Ion Ratio Lower Upper

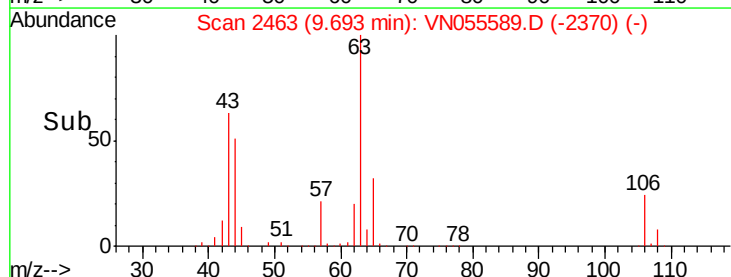
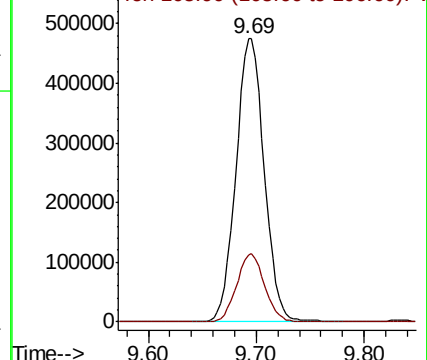
63 100

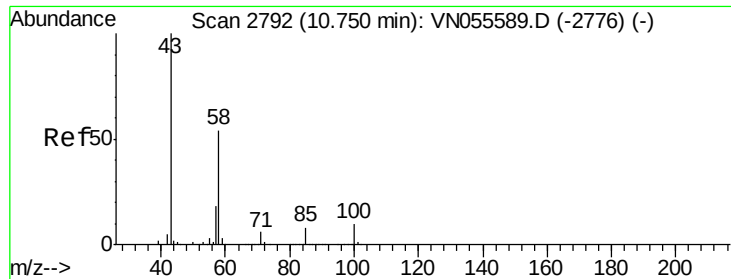
106 23.7 19.0 28.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

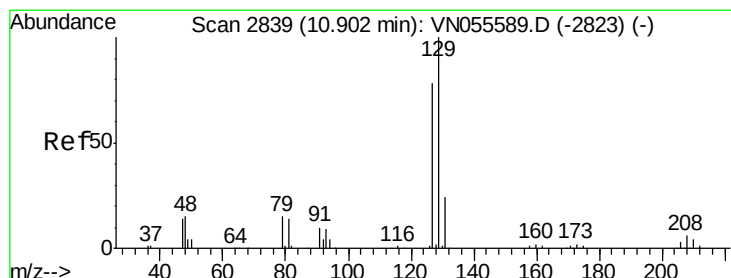
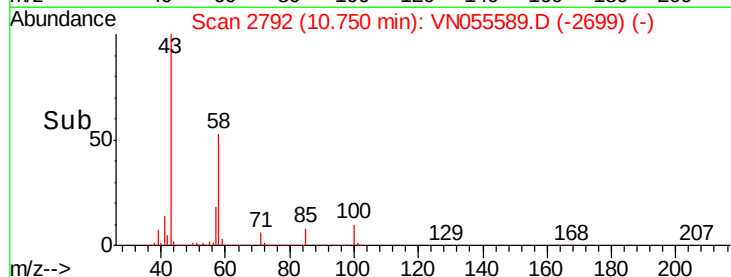
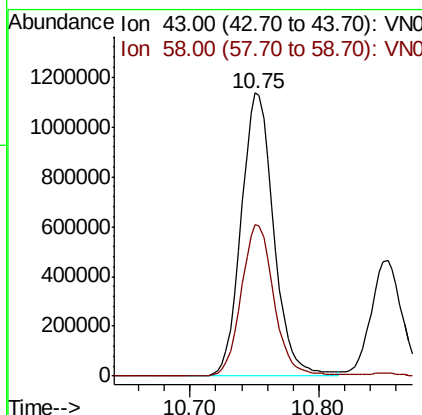
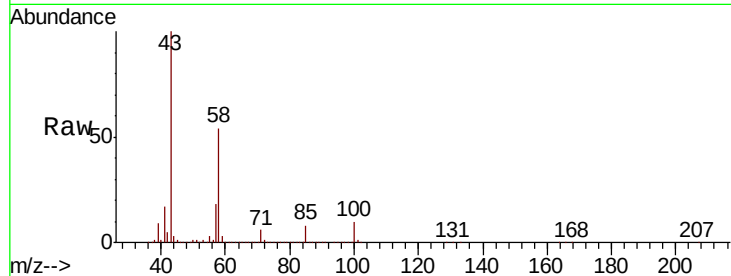




#59
2-Hexanone
Concen: 219.993 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

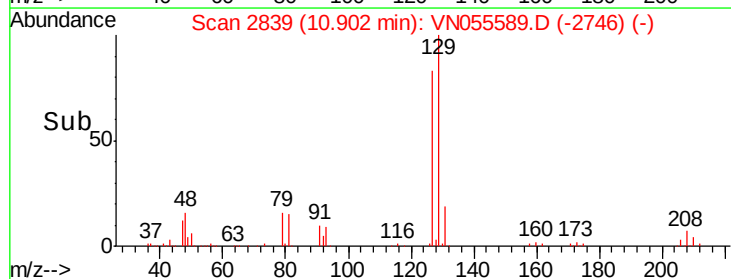
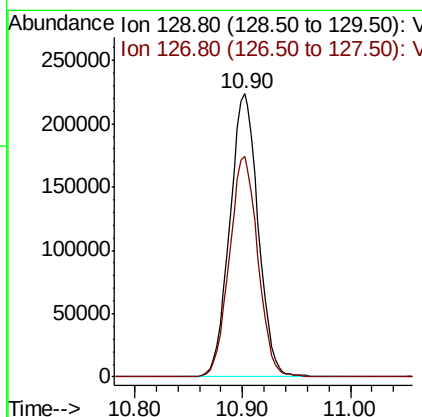
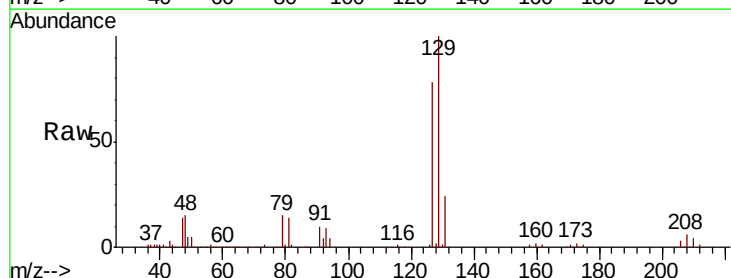
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

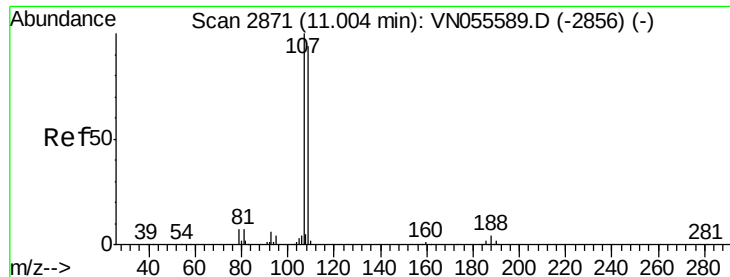
Tot Ion: 43 Resp: 1994206
Ion Ratio Lower Upper
43 100
58 53.9 27.0 80.8



#60
Dibromochloromethane
Concen: 51.526 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion: 129 Resp: 410611
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 49.484 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

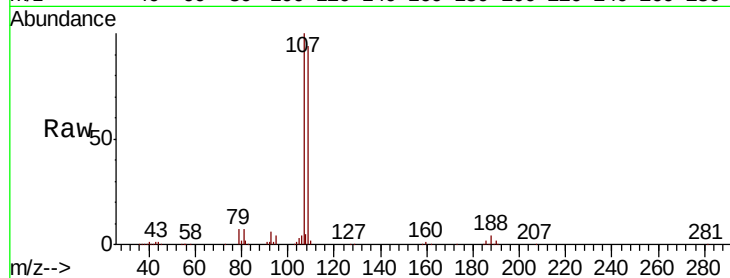
VSTDICCC050

Tot Ion:107 Resp: 415248

Ion Ratio Lower Upper

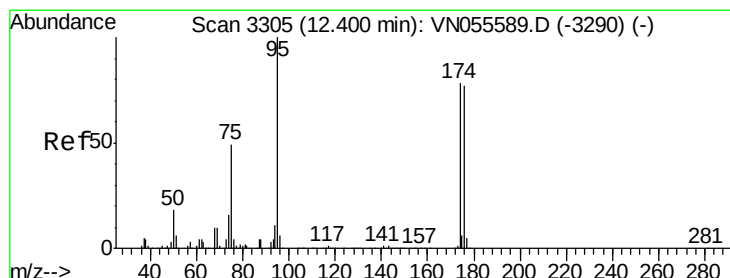
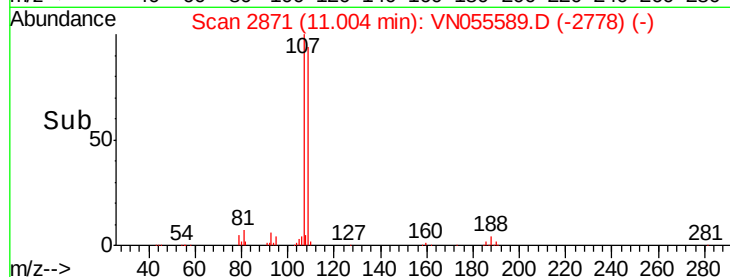
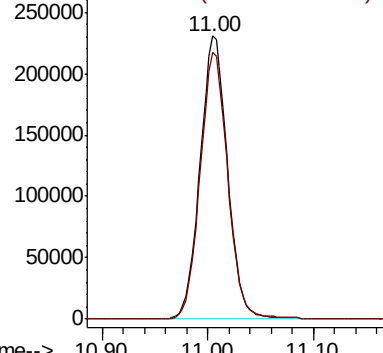
107 100

109 94.8 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.311 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

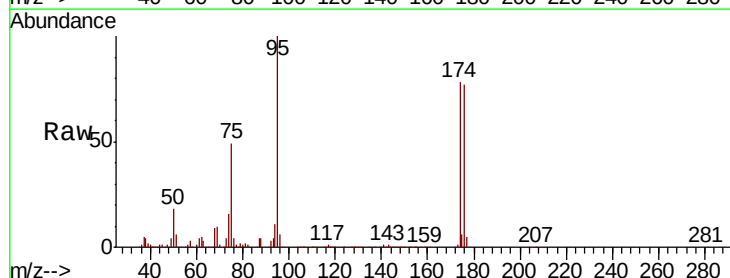
Tgt Ion: 95 Resp: 526093

Ion Ratio Lower Upper

95 100

174 79.2 0.0 158.4

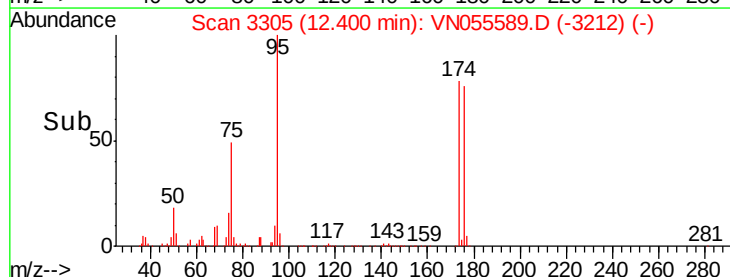
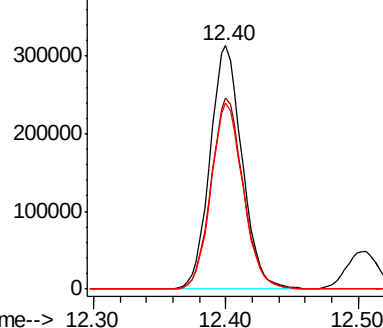
176 76.7 0.0 153.4

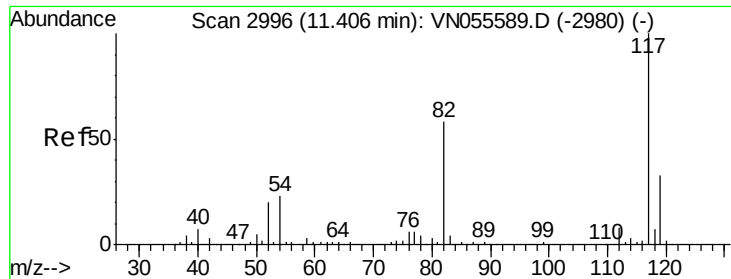


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

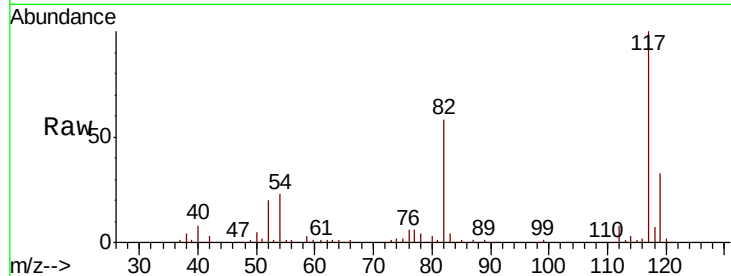




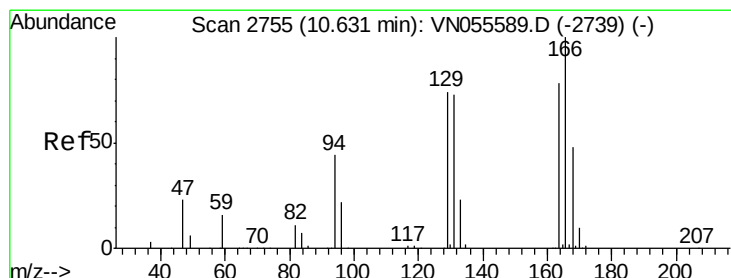
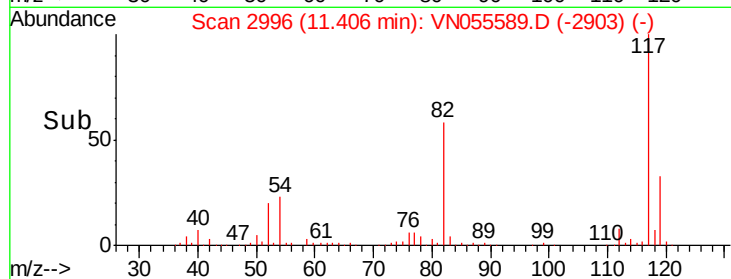
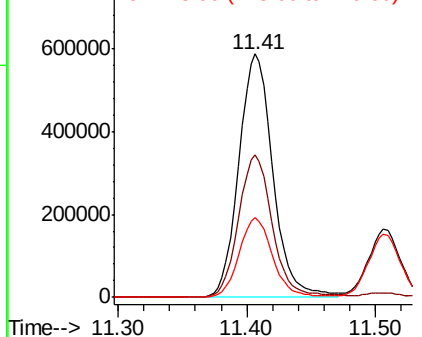
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:117 Resp: 1082192
Ion Ratio Lower Upper
117 100
82 58.4 46.7 70.1
119 32.5 26.0 39.0

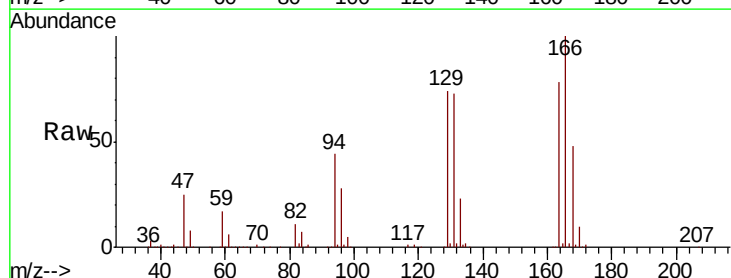


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

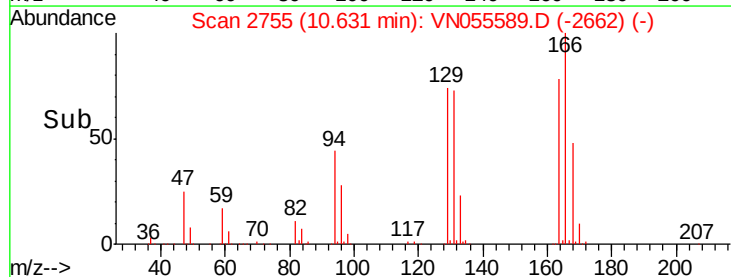
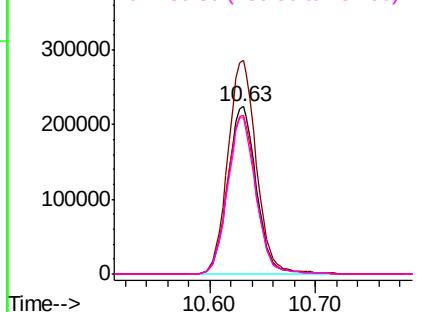


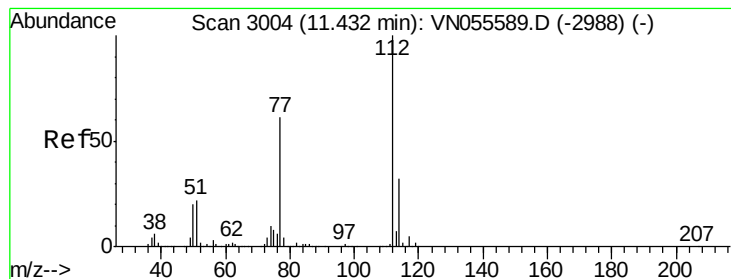
#64
Tetrachloroethene
Concen: 47.292 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion:164 Resp: 418463
Ion Ratio Lower Upper
164 100
166 127.6 102.1 153.1
129 94.8 75.8 113.8
131 93.2 74.6 111.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 49.711 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

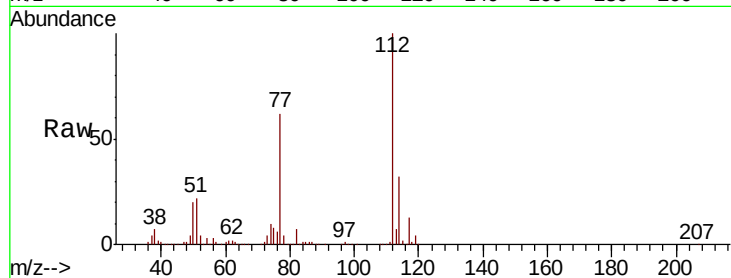
VSTDICCC050

Tot Ion:112 Resp: 1104601

Ion Ratio Lower Upper

112 100

114 31.8 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

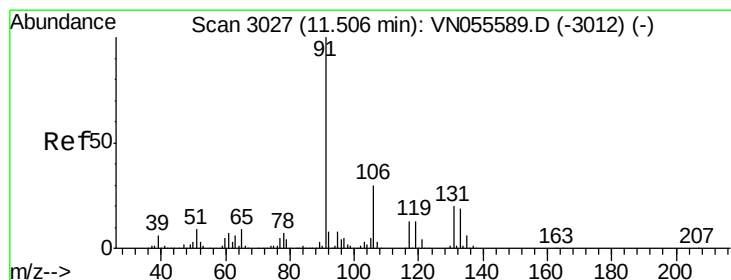
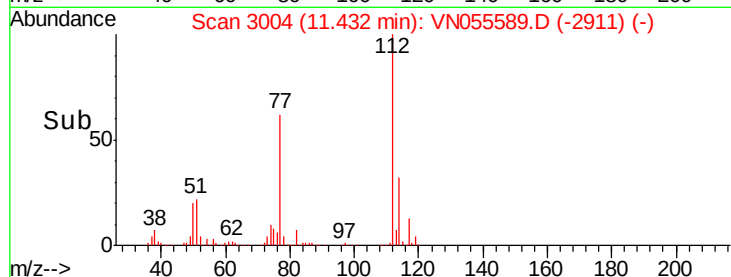
600000

400000

200000

0

Time--> 11.30 11.40 11.50 11.60



#66

1,1,1,2-Tetrachloroethane

Concen: 50.945 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

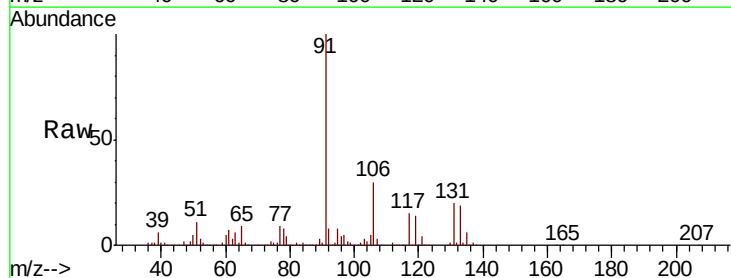
Tgt Ion:131 Resp: 390967

Ion Ratio Lower Upper

131 100

133 95.3 47.6 142.9

119 68.3 34.2 102.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

300000

250000

200000

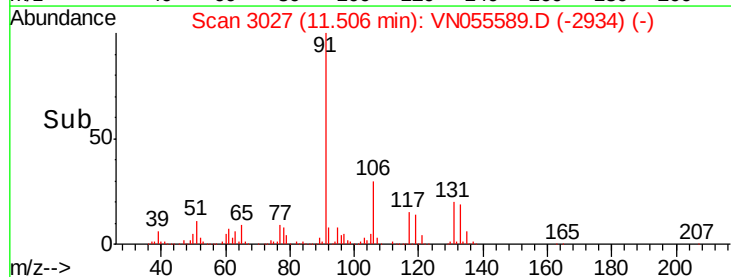
150000

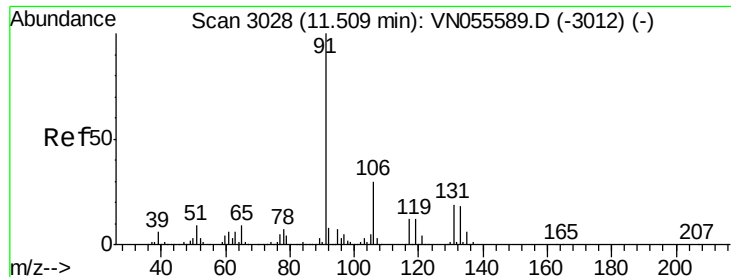
100000

50000

0

Time--> 11.40 11.50 11.60

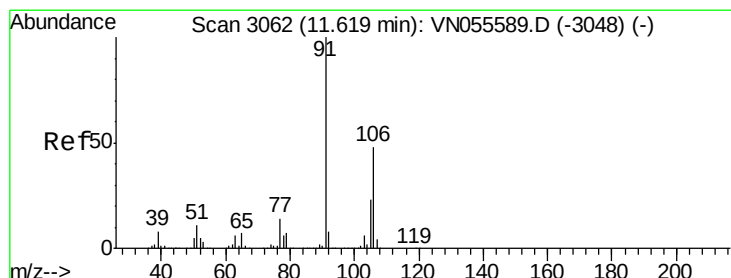
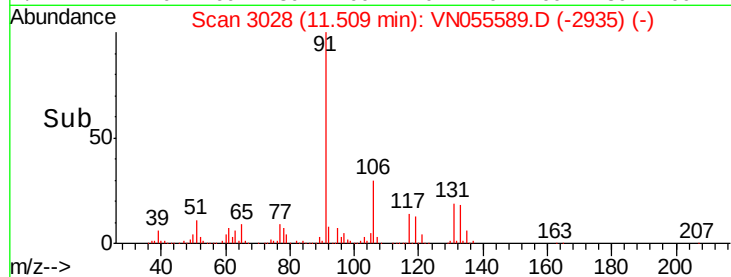
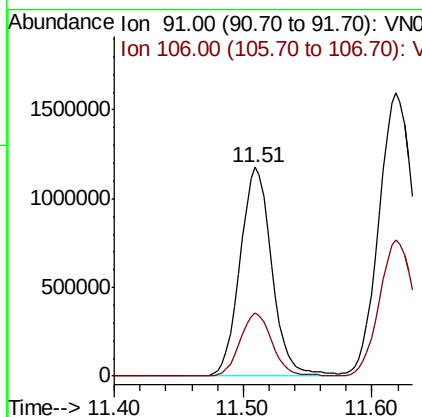
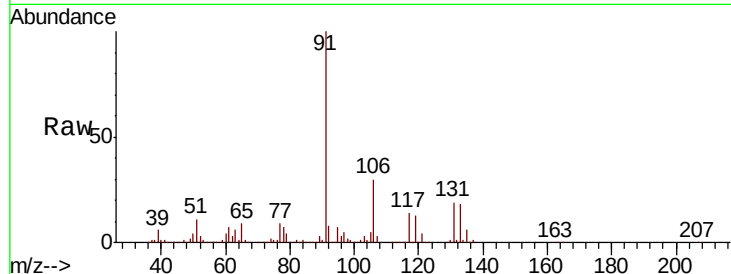




#67
Ethyl Benzene
Concen: 48.812 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

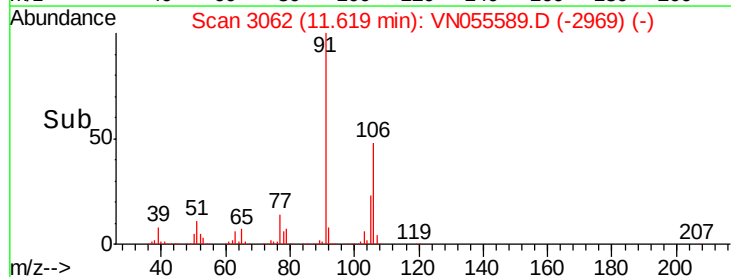
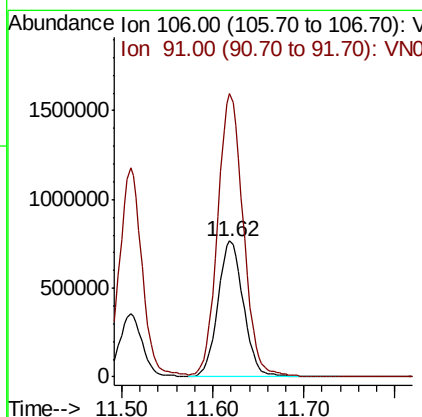
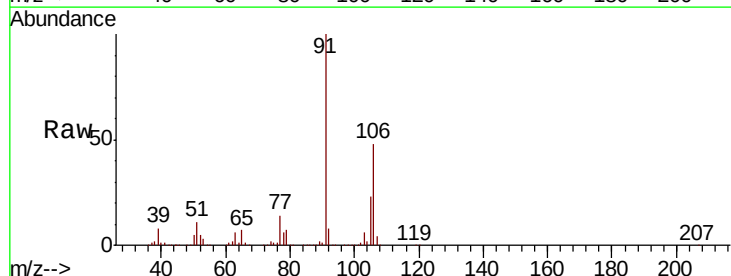
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

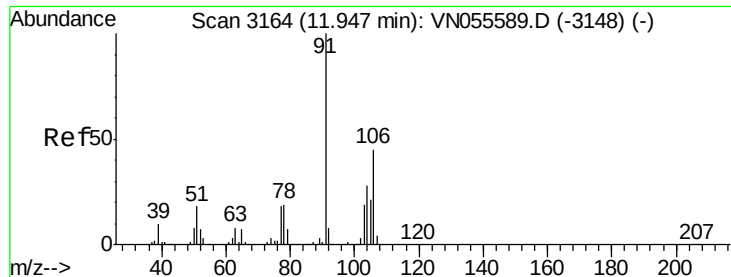
Tot Ion: 91 Resp: 2026459
Ion Ratio Lower Upper
91 100
106 30.1 24.1 36.1



#68
m/p-Xylenes
Concen: 100.265 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion: 106 Resp: 1498034
Ion Ratio Lower Upper
106 100
91 209.4 167.5 251.3

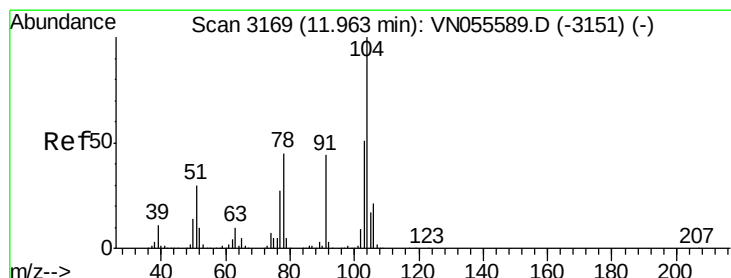
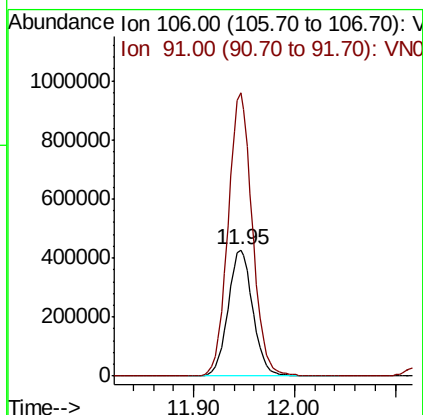
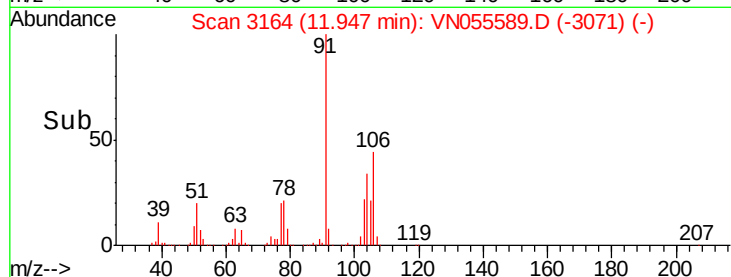
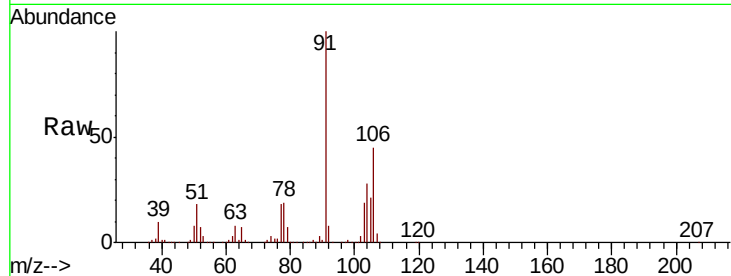




#69
o-Xylene
Concen: 49.795 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

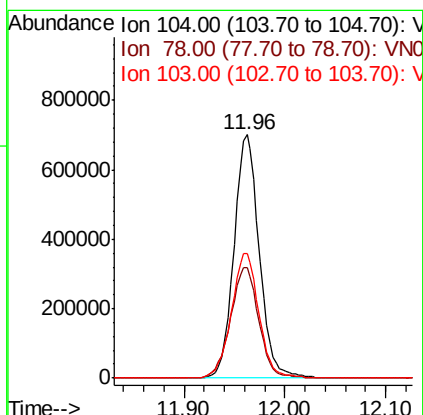
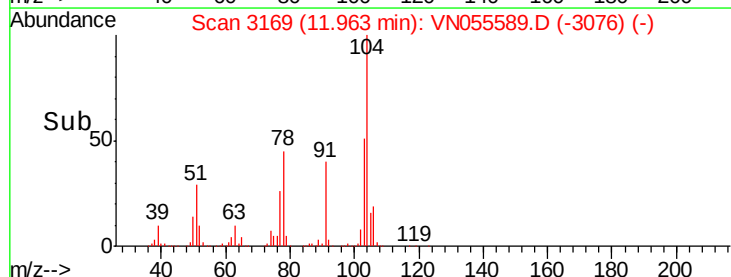
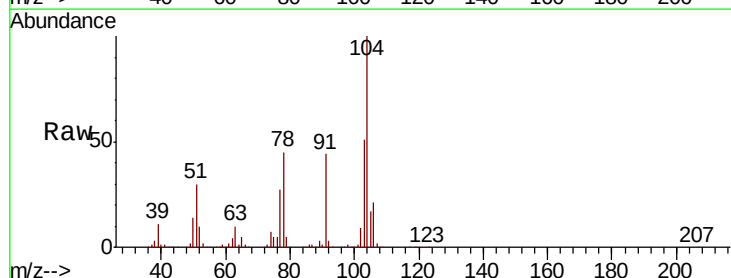
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

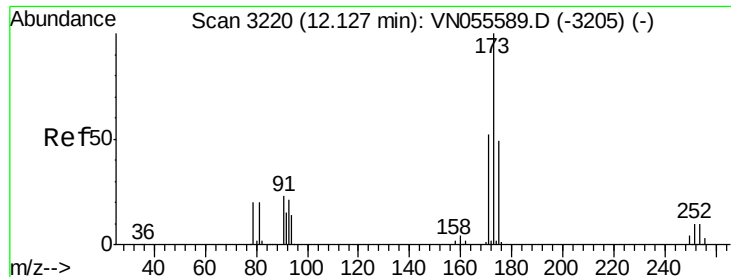
Tot Ion:106 Resp: 730205
Ion Ratio Lower Upper
106 100
91 220.4 110.2 330.6



#70
Styrene
Concen: 52.054 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion:104 Resp: 1219916
Ion Ratio Lower Upper
104 100
78 51.0 40.8 61.2
103 55.8 44.6 67.0

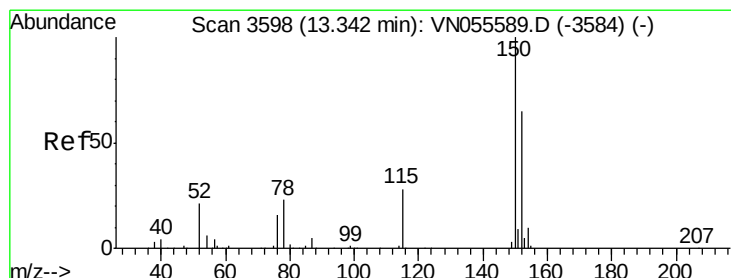
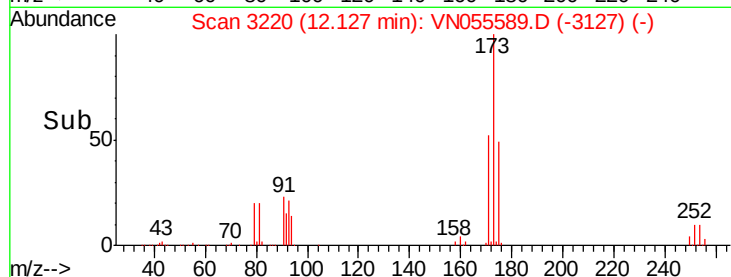
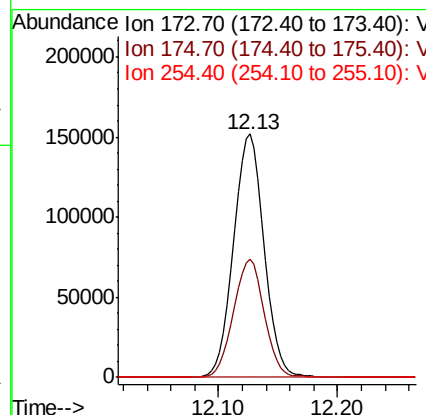
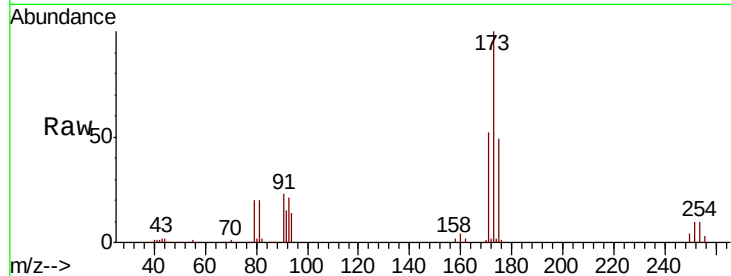




#71
Bromoform
Concen: 52.461 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

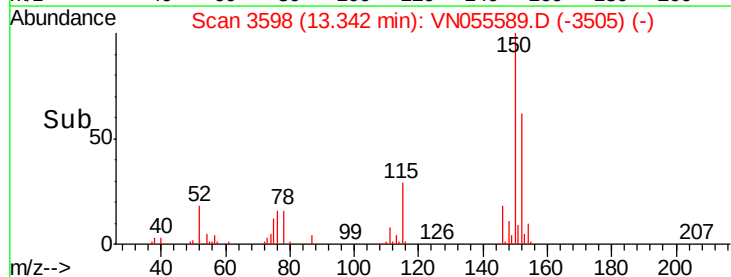
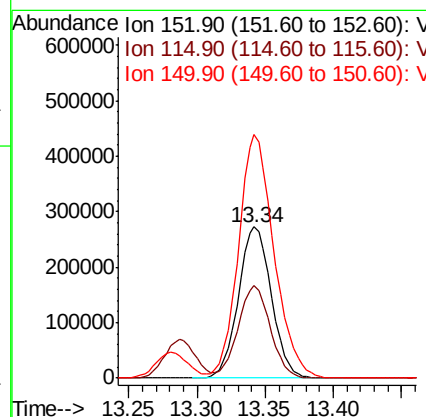
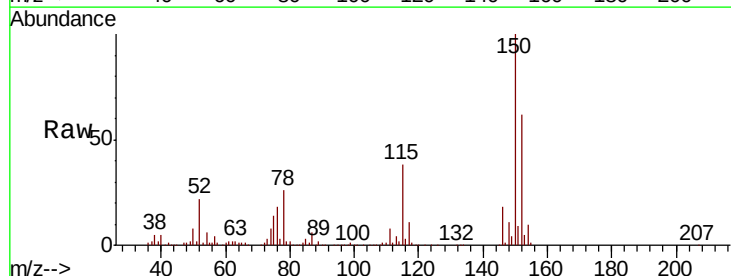
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

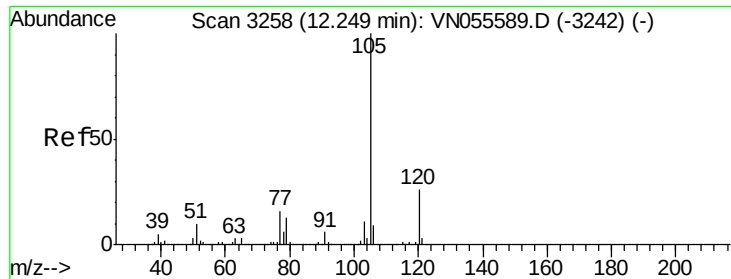
Tot Ion:173 Resp: 269626
Ion Ratio Lower Upper
173 100
175 48.9 24.4 73.4
254 0.1 0.1 0.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion:152 Resp: 455919
Ion Ratio Lower Upper
152 100
115 59.6 29.8 89.4
150 173.3 0.0 346.6





#73

Isopropylbenzene

Concen: 42.833 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

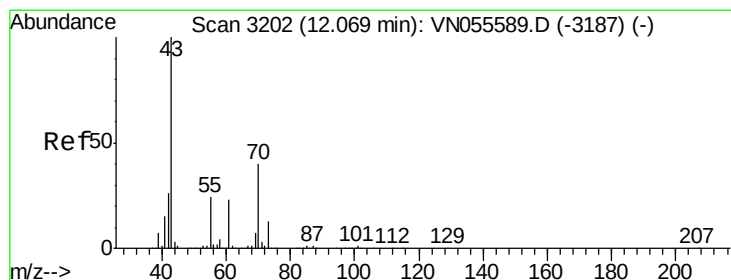
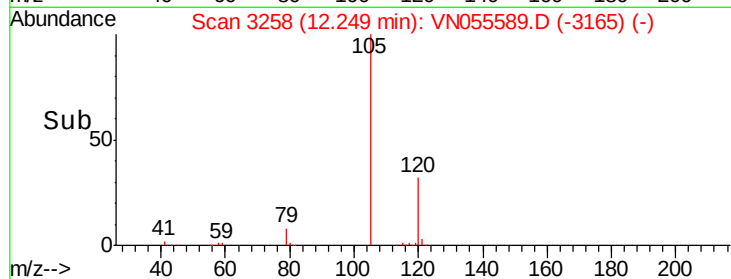
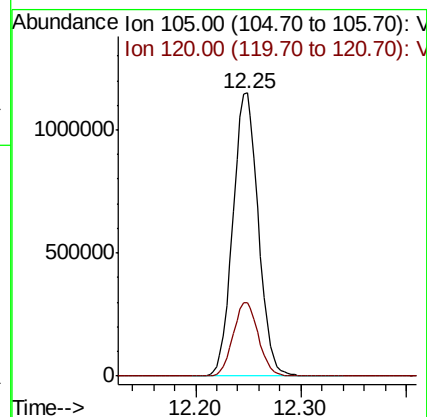
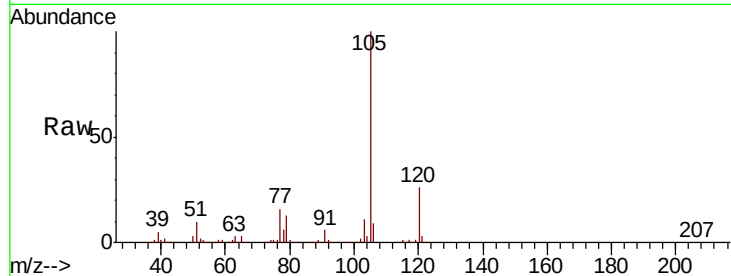
VSTDICCC050

Tot Ion:105 Resp: 1908383

Ion Ratio Lower Upper

105 100

120 26.0 13.0 39.0



#74

N-ethyl acetate

Concen: 43.927 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Tgt Ion: 43 Resp: 742206

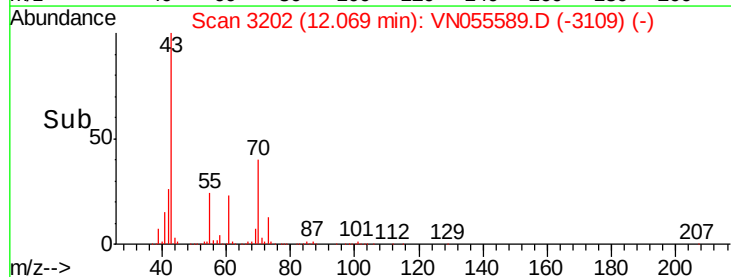
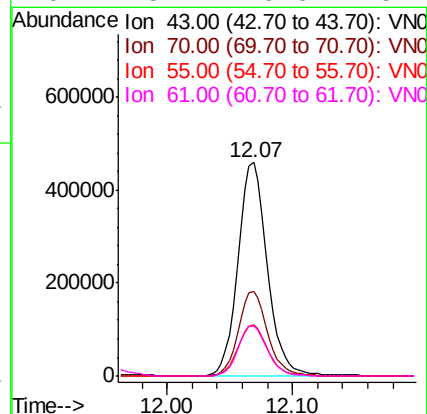
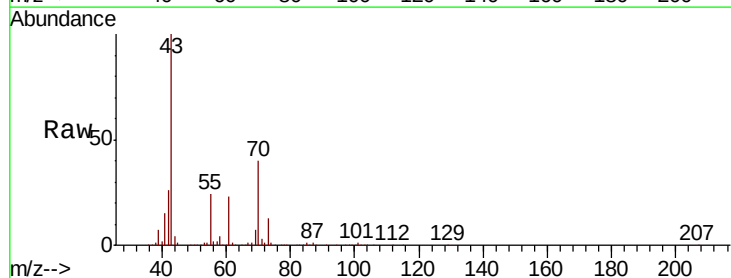
Ion Ratio Lower Upper

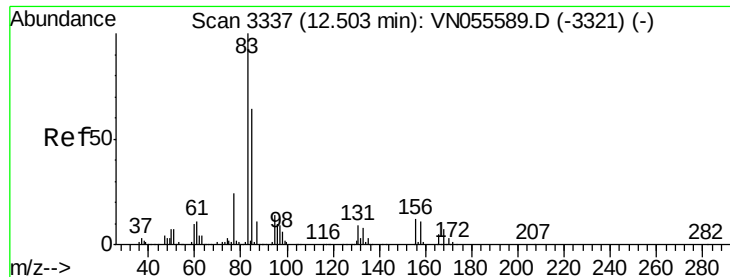
43 100

70 39.7 31.8 47.6

55 24.6 19.7 29.5

61 23.7 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 40.577 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

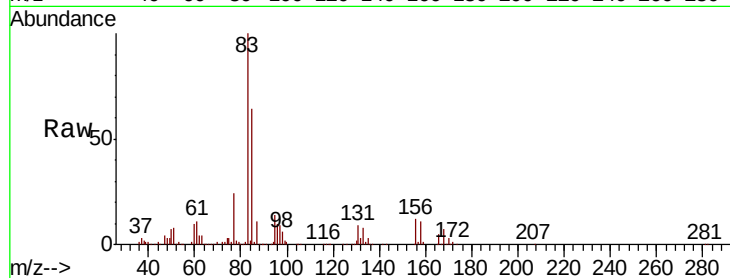
Tot Ion: 83 Resp: 586043

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.6	13.8
85	64.4	32.2	96.6

83 100

131 9.2 4.6 13.8

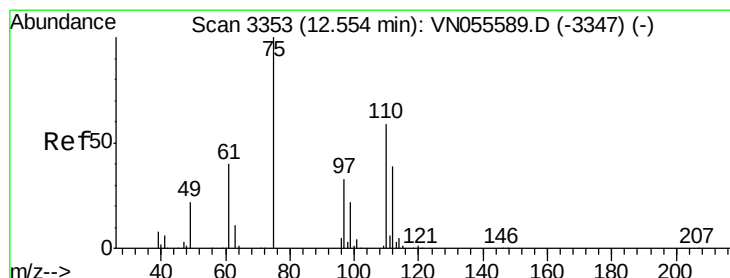
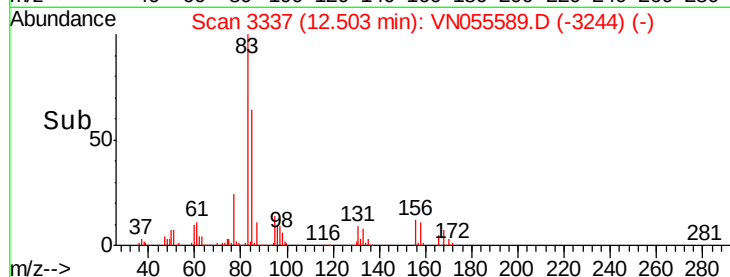
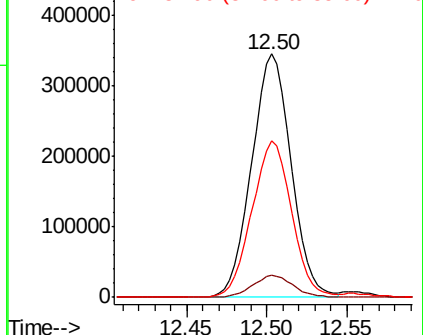
85 64.4 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 57.679 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055589.D

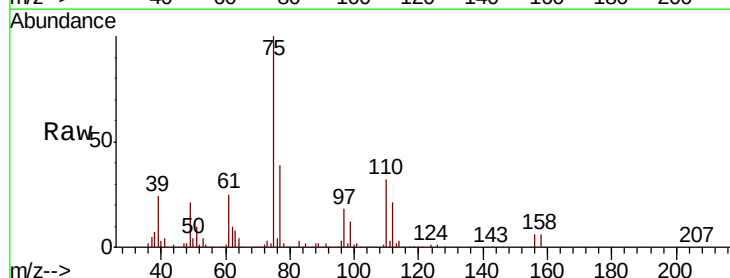
Acq: 14 May 2019 12:47

Tgt Ion: 75 Resp: 703828

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

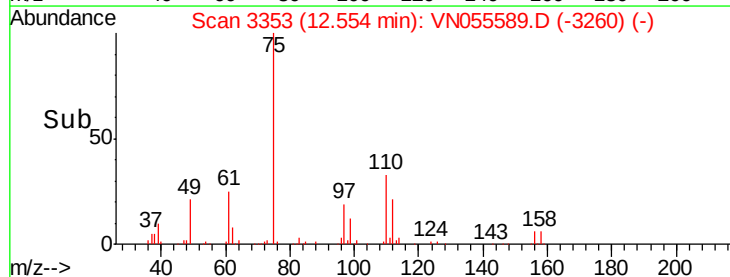
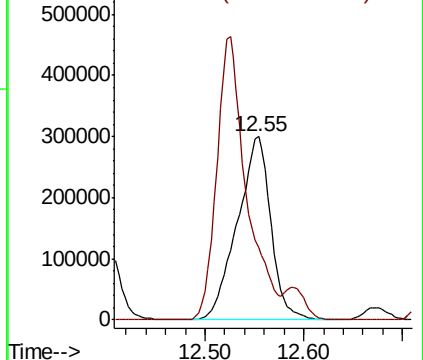
75 100

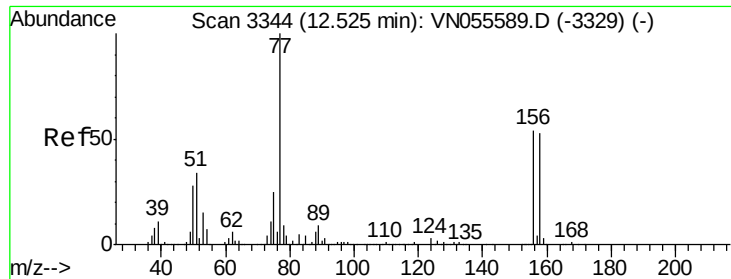
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 44.721 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

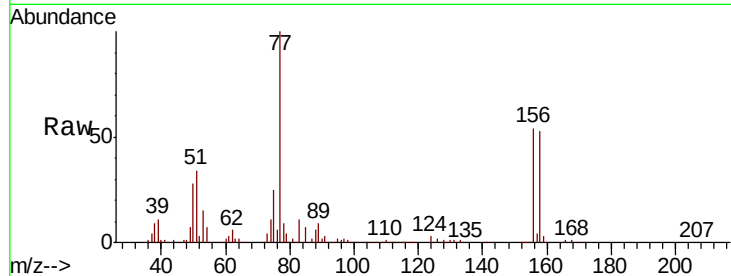
Tot Ion:156 Resp: 449157

Ion Ratio Lower Upper

156 100

77 217.8 108.9 326.7

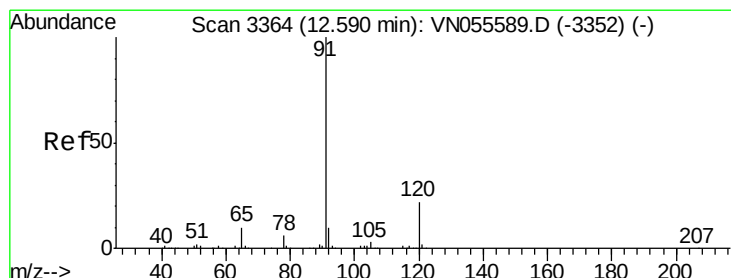
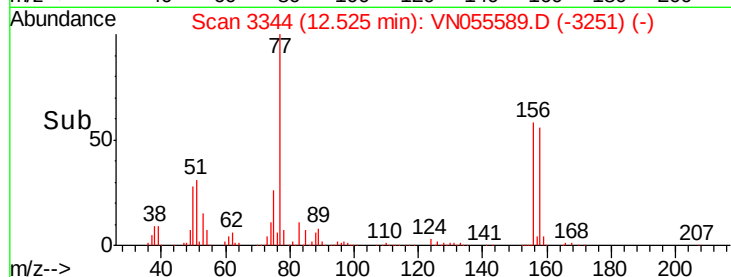
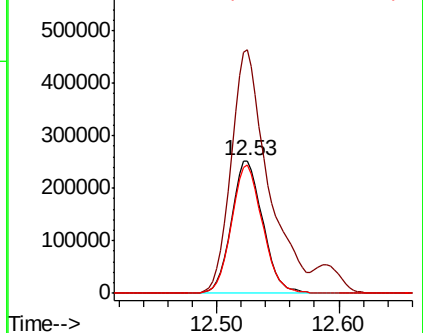
158 96.2 48.1 144.3



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: 45.122 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055589.D

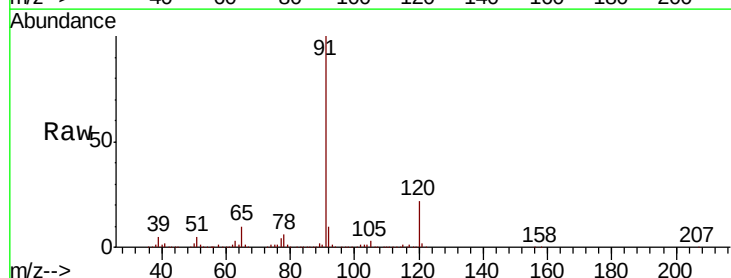
Acq: 14 May 2019 12:47

Tgt Ion: 91 Resp: 2194193

Ion Ratio Lower Upper

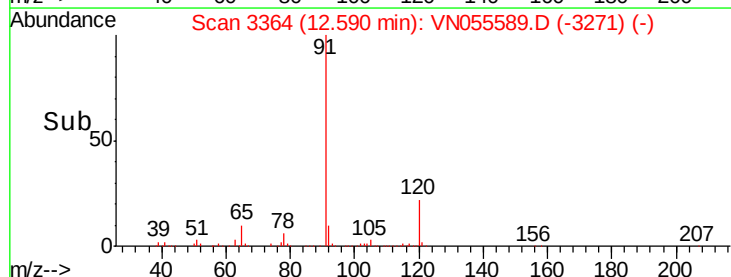
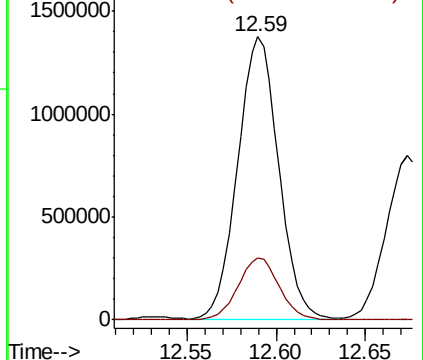
91 100

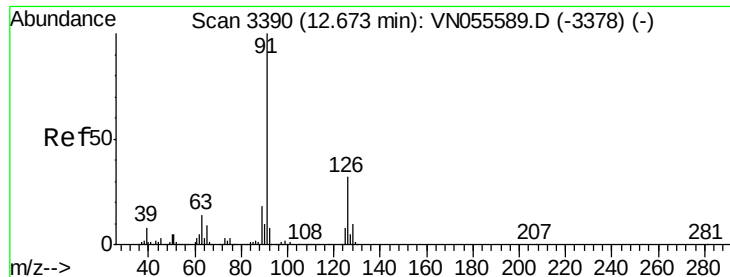
120 22.0 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

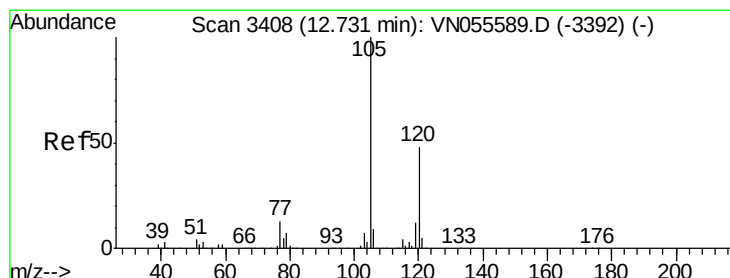
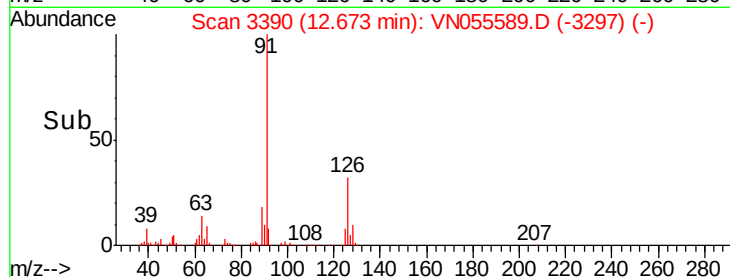
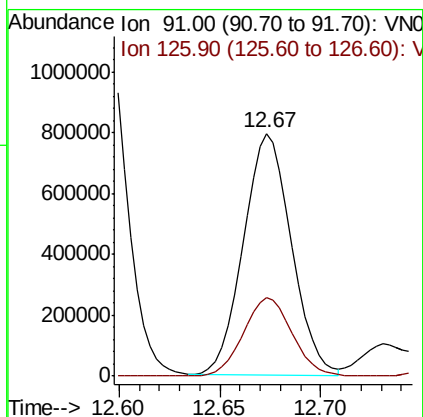
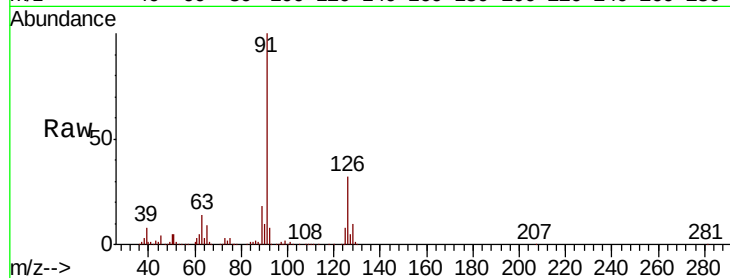




#79
2-Chlorotoluene
Concen: 43.738 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

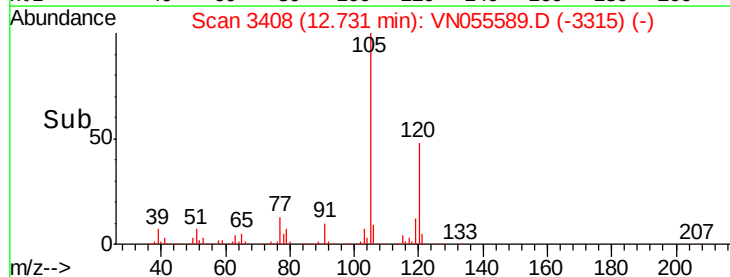
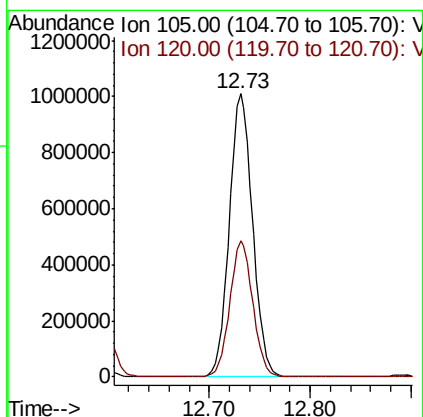
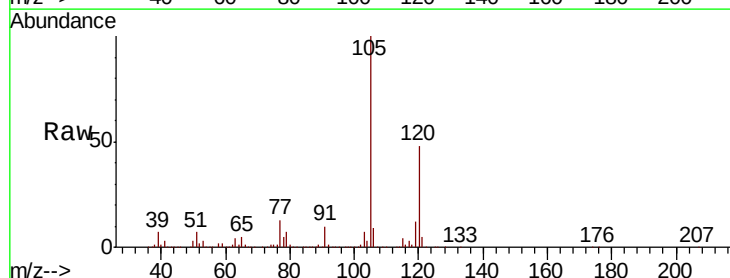
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

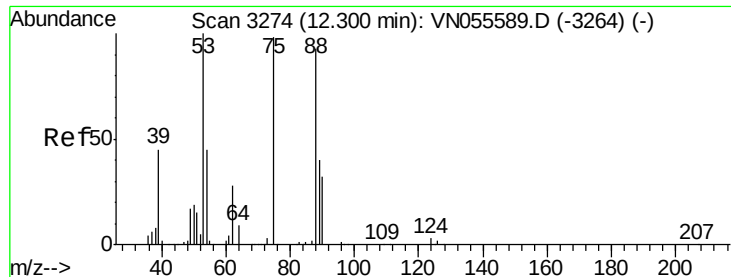
Tot Ion: 91 Resp: 1323538
Ion Ratio Lower Upper
91 100
126 33.1 16.6 49.7



#80
1,3,5-Trimethylbenzene
Concen: 44.796 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion: 105 Resp: 1621942
Ion Ratio Lower Upper
105 100
120 47.5 23.8 71.2





#81

trans-1,4-Dichloro-2-butene

Concen: 44.612 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

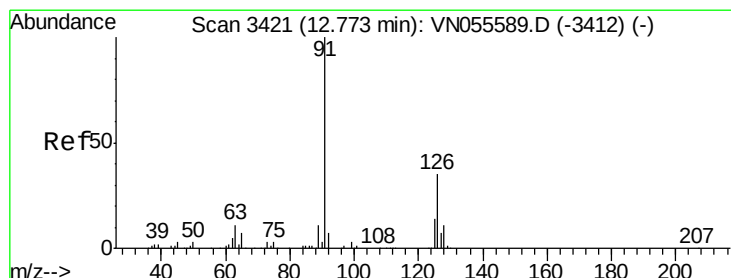
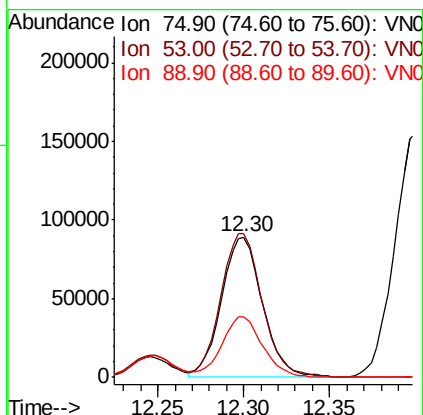
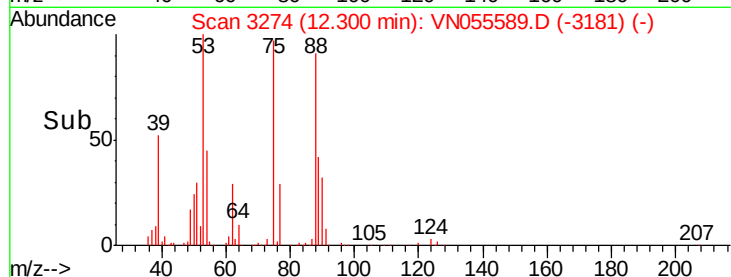
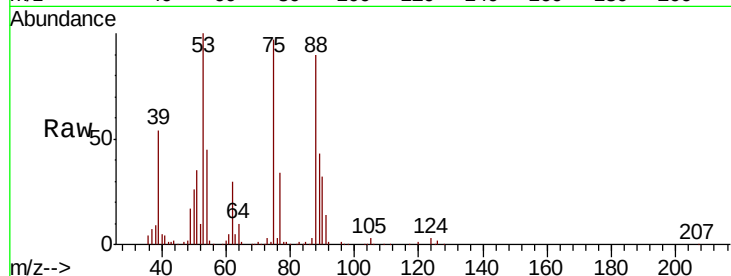
Tot Ion: 75 Resp: 146882

Ion Ratio Lower Upper

75 100

53 104.9 83.9 125.9

89 43.4 34.7 52.1



#82

4-Chlorotoluene

Concen: 45.327 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055589.D

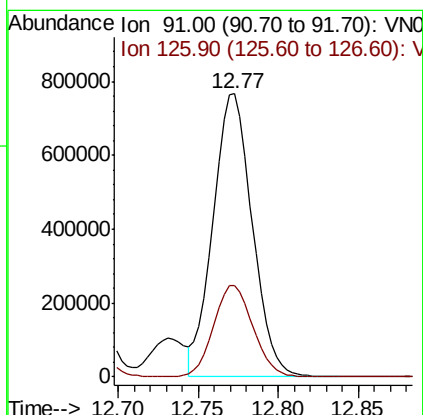
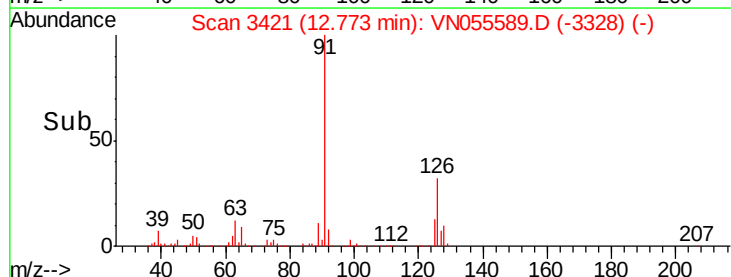
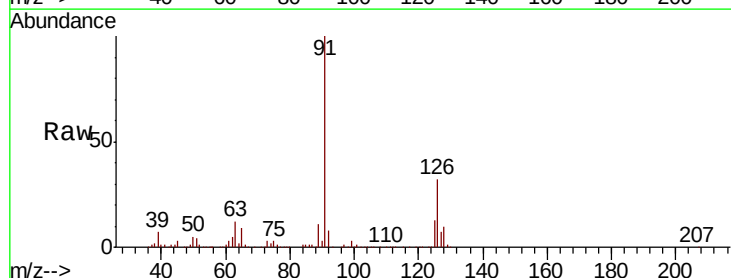
Acq: 14 May 2019 12:47

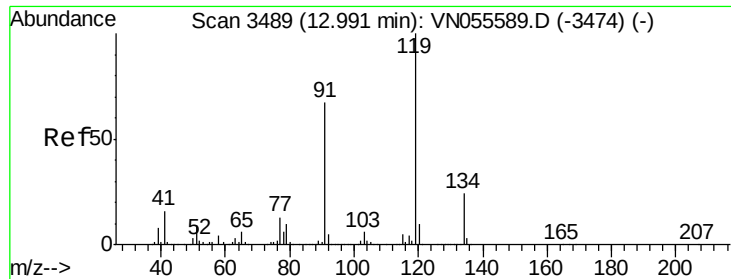
Tgt Ion: 91 Resp: 1297017

Ion Ratio Lower Upper

91 100

126 32.4 16.2 48.6

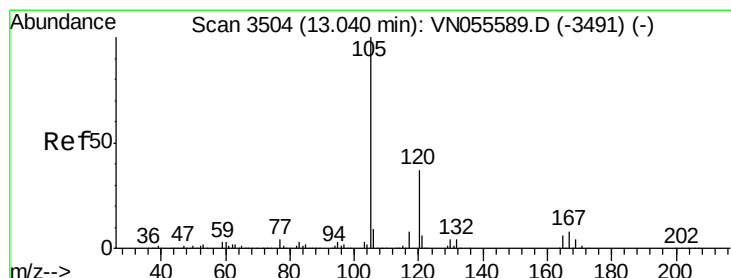
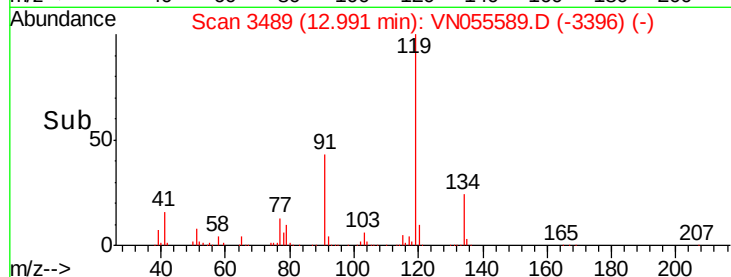
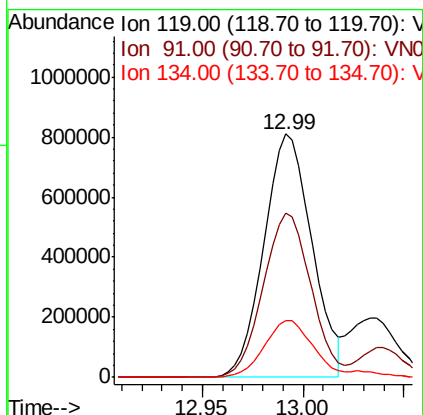
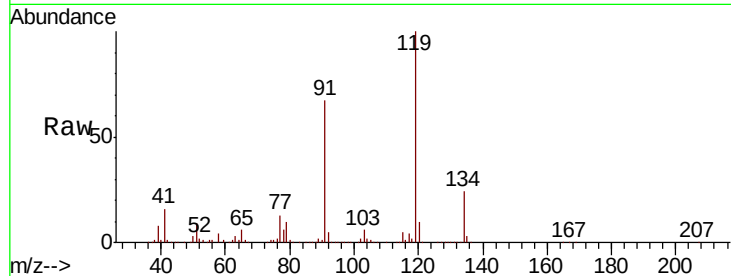




#83
 tert-Butylbenzene
 Concen: 43.309 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

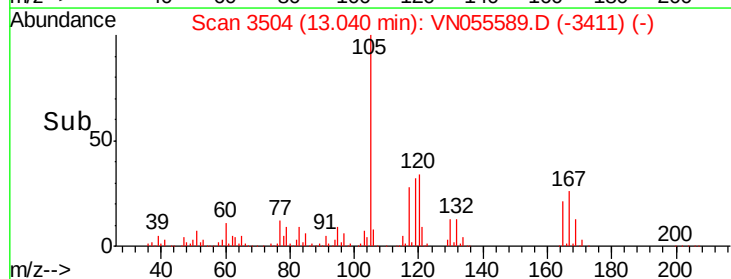
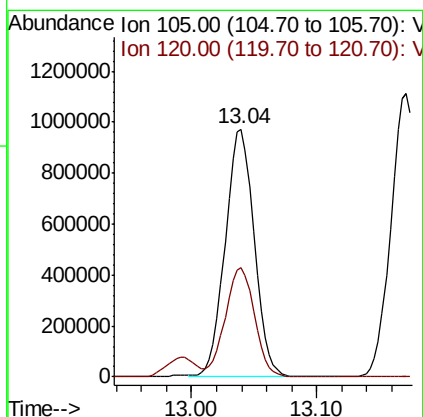
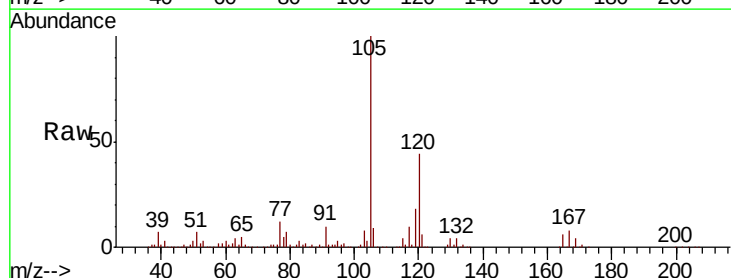
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

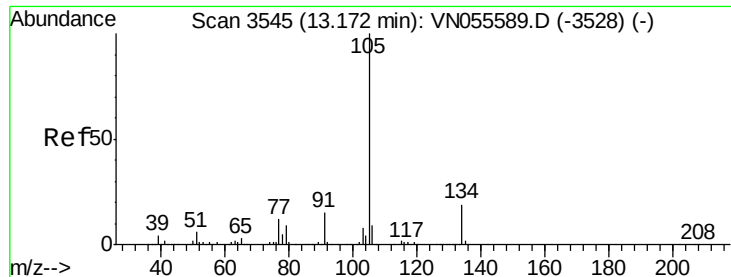
Tot Ion:119 Resp: 1342596
 Ion Ratio Lower Upper
 119 100
 91 66.9 33.5 100.4
 134 25.4 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 46.914 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

Tgt Ion:105 Resp: 1557350
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.2 66.6





#85

sec-Butylbenzene

Concen: 43.620 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

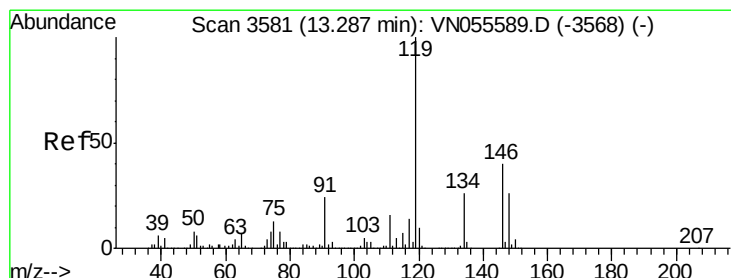
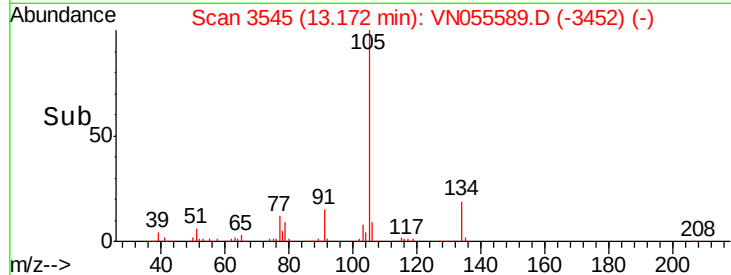
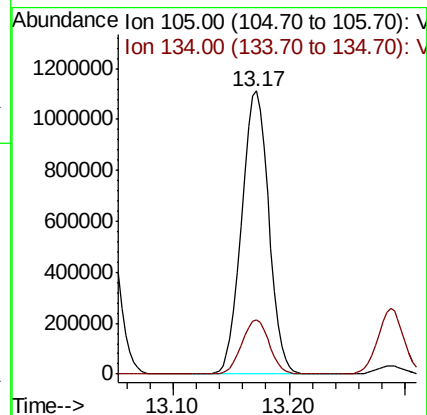
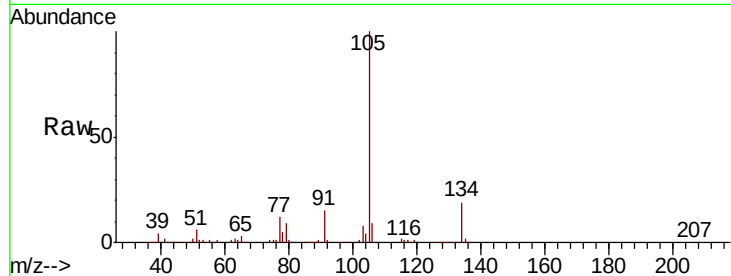
VSTDICCC050

Tot Ion:105 Resp: 1794725

Ion Ratio Lower Upper

105 100

134 19.4 9.7 29.1



#86

p-Isopropyltoluene

Concen: 46.037 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

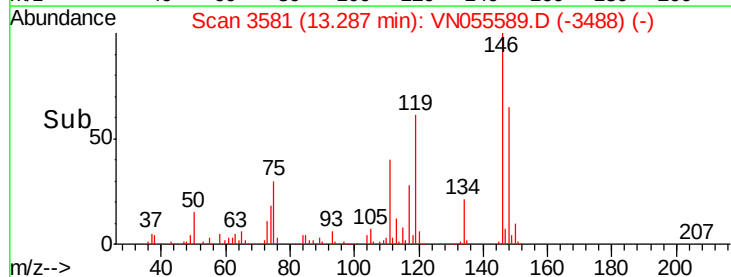
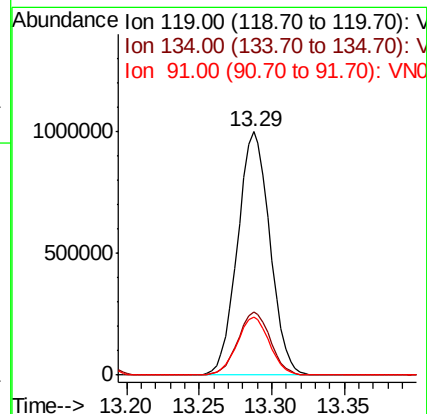
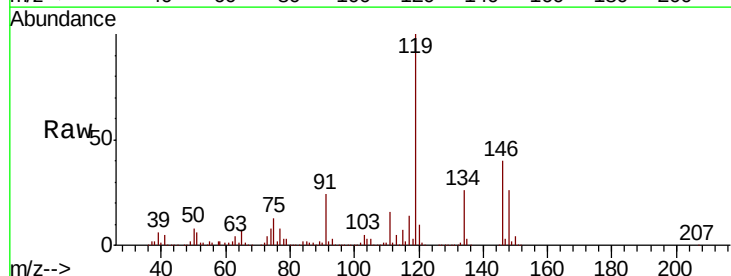
Tgt Ion:119 Resp: 1541275

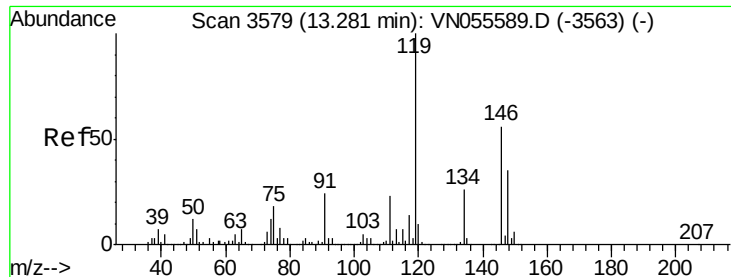
Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

91 23.7 11.9 35.5

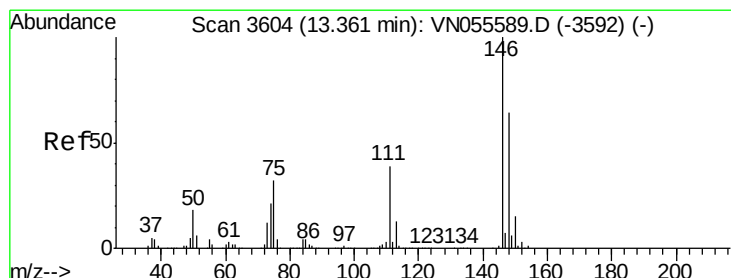
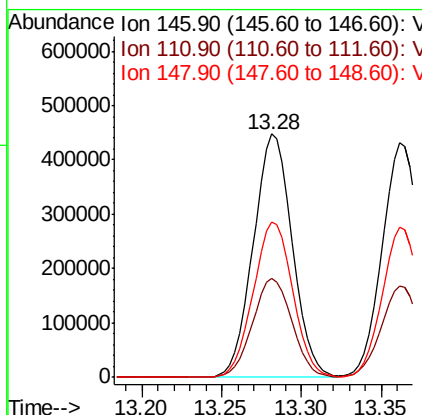
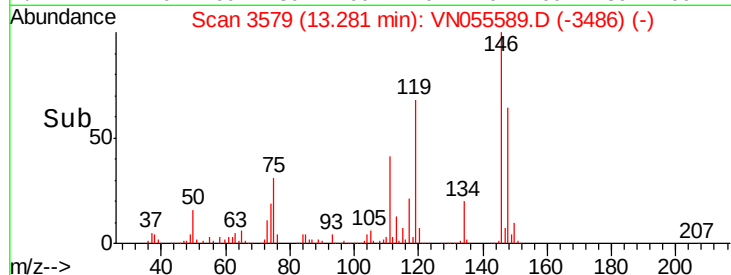
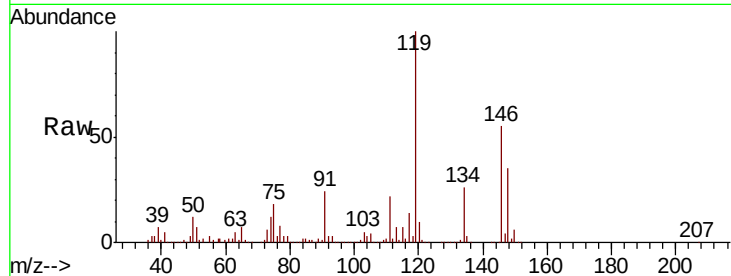




#87
 1,3-Dichlorobenzene
 Concen: 48.459 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

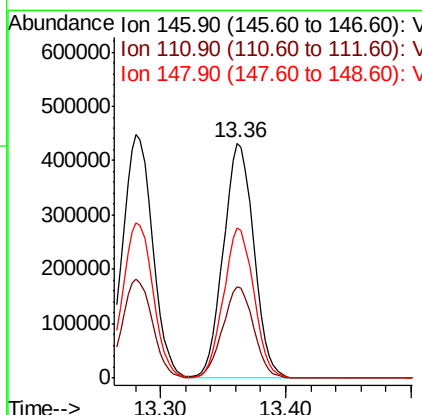
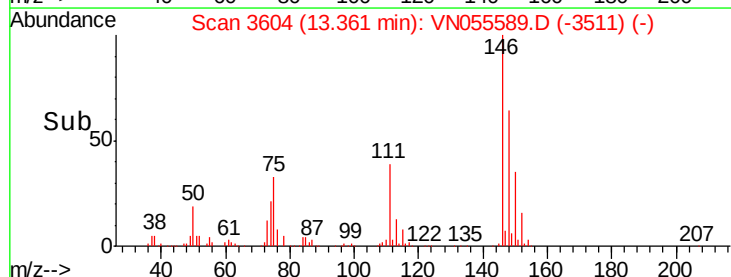
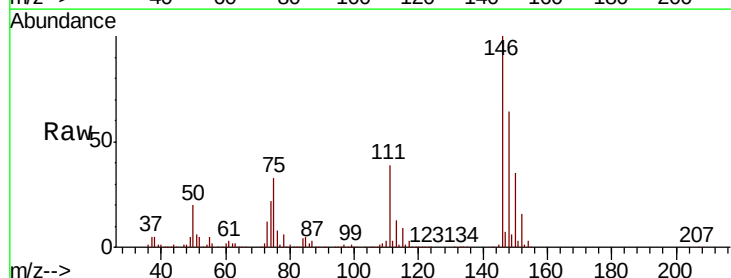
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

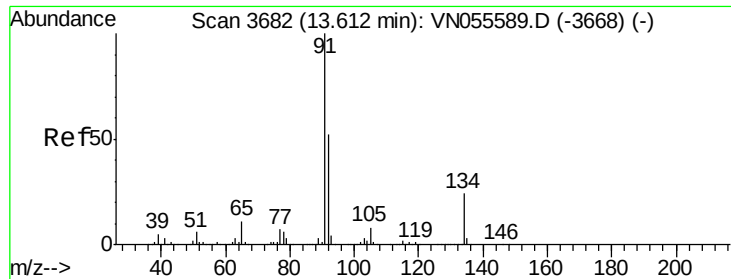
Tot Ion:146 Resp: 749295
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.5 61.5
 148 64.6 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 47.699 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

Tgt Ion:146 Resp: 728740
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.7 59.0
 148 63.6 31.8 95.4

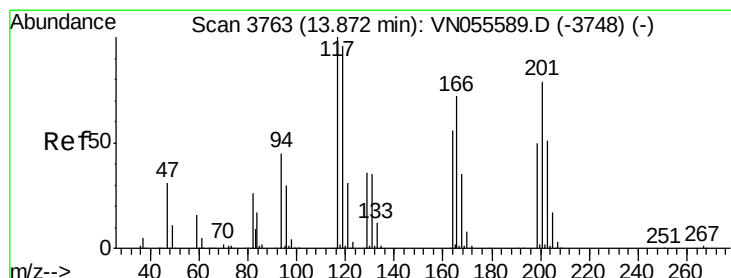
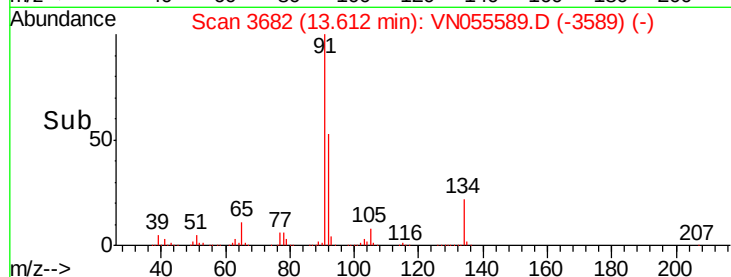
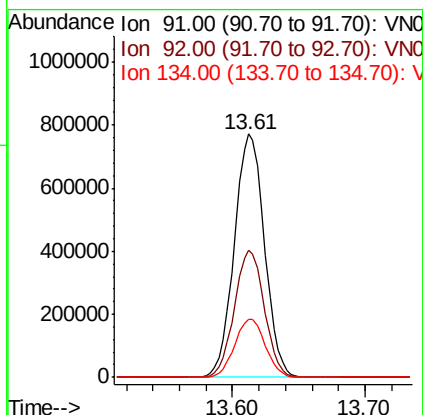
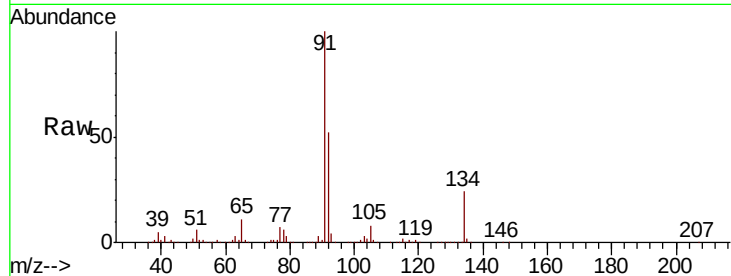




#89
n-Butylbenzene
Concen: 47.300 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

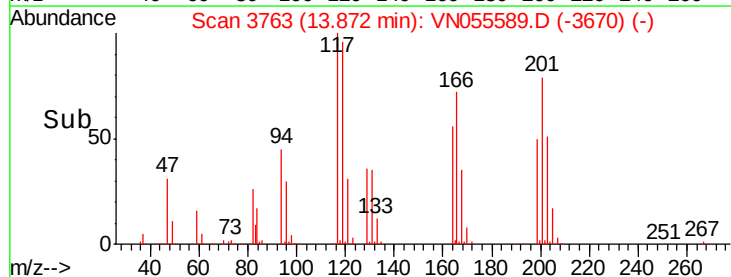
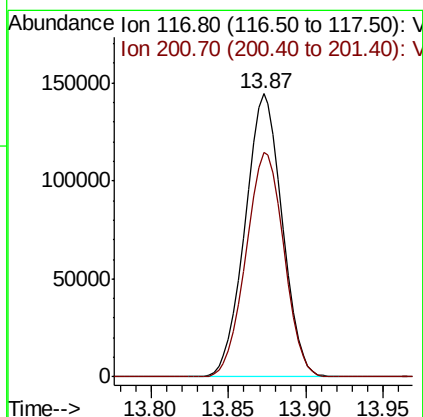
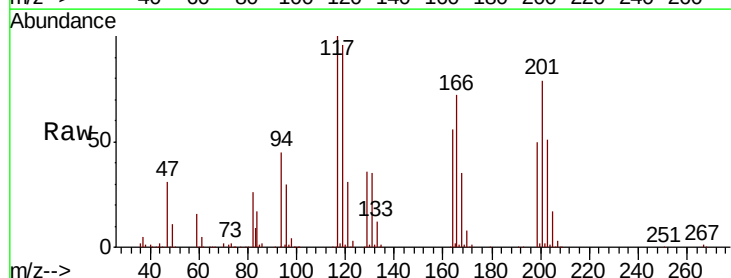
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

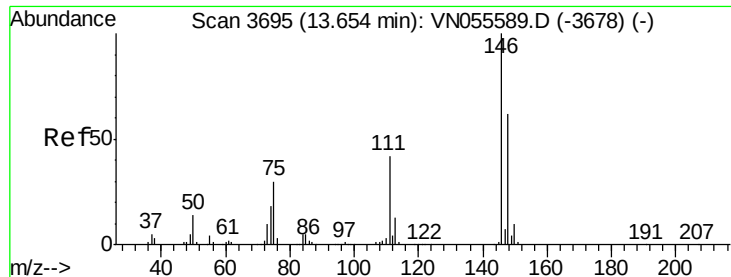
Tot Ion: 91 Resp: 1215326
Ion Ratio Lower Upper
91 100
92 51.9 25.9 77.8
134 24.3 12.2 36.4



#90
Hexachloroethane
Concen: 44.147 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion: 117 Resp: 241425
Ion Ratio Lower Upper
117 100
201 81.2 40.6 121.8

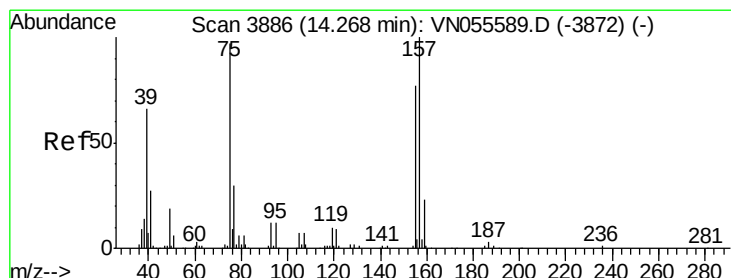
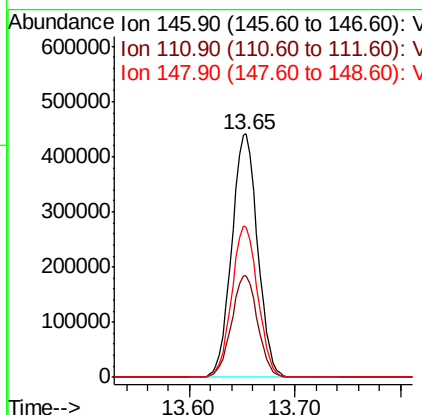
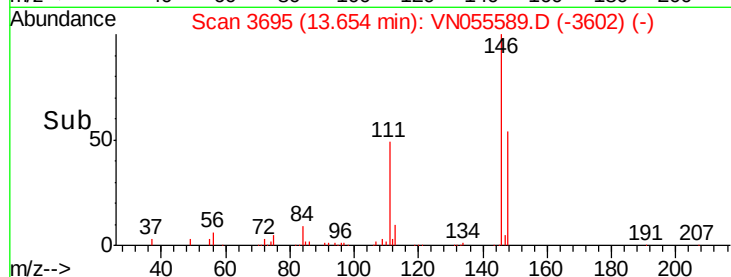
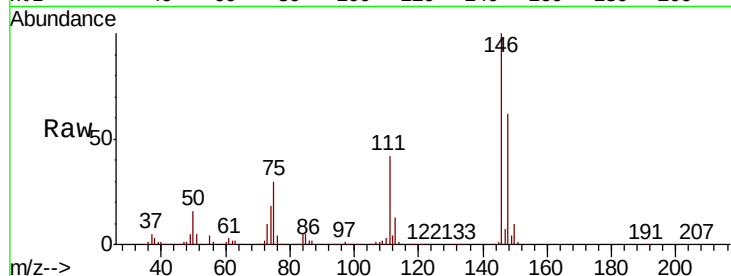




#91
 1,2-Dichlorobenzene
 Concen: 48.248 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

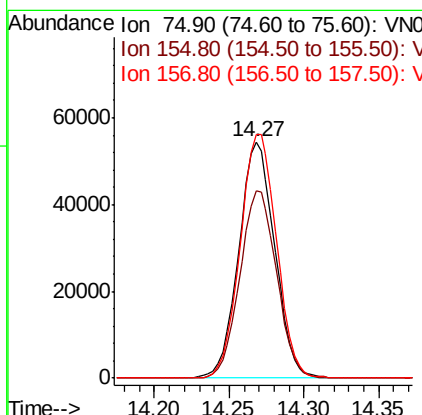
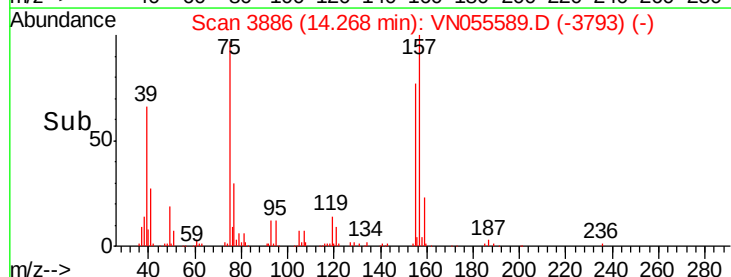
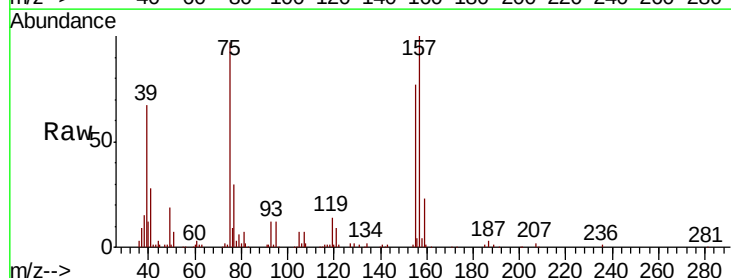
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

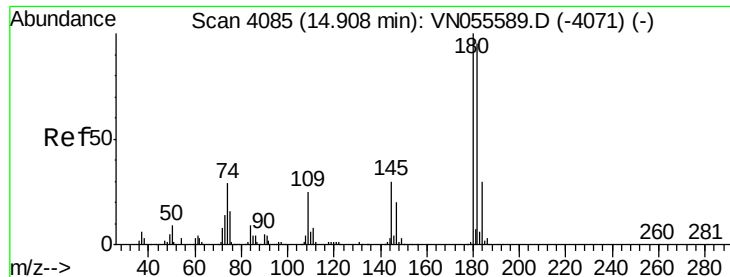
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.0	63.0
148	62.6	31.3	93.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.434 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.7	40.4	121.1
157	104.3	52.1	156.4

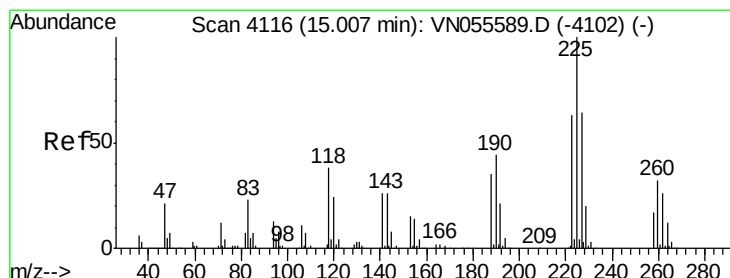
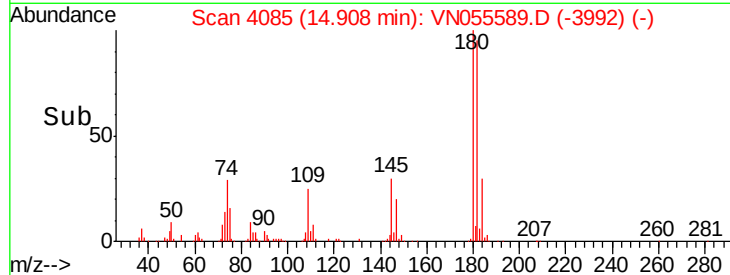
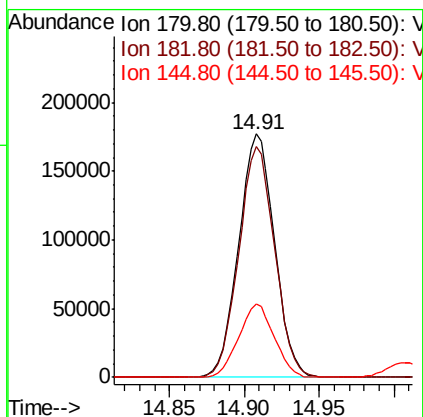
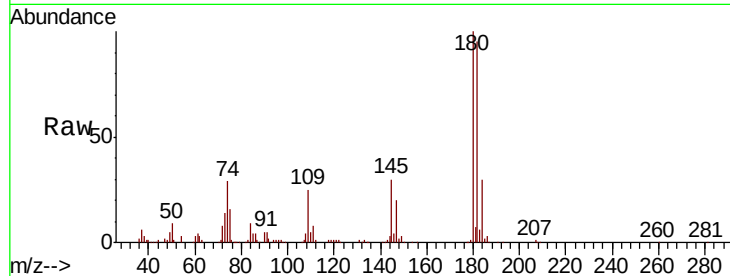




#93
 1,2,4-Trichlorobenzene
 Concen: 56.331 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

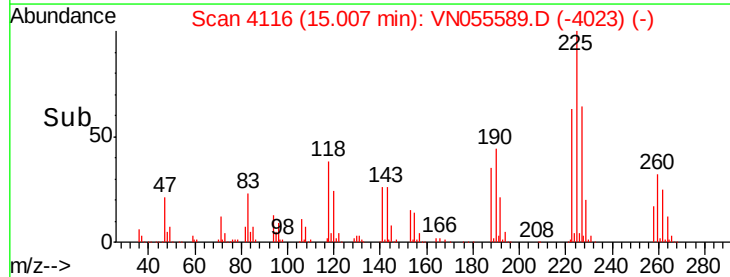
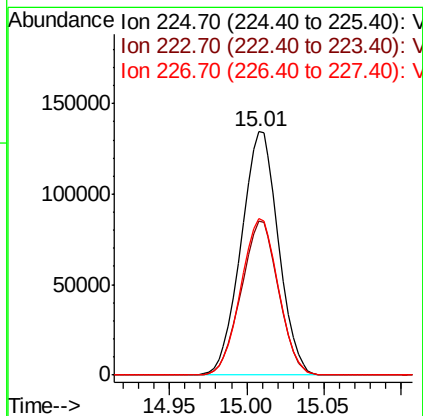
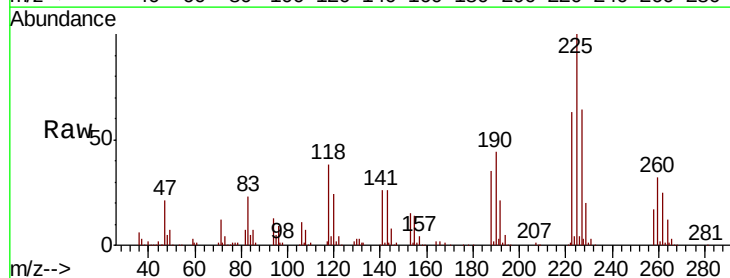
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

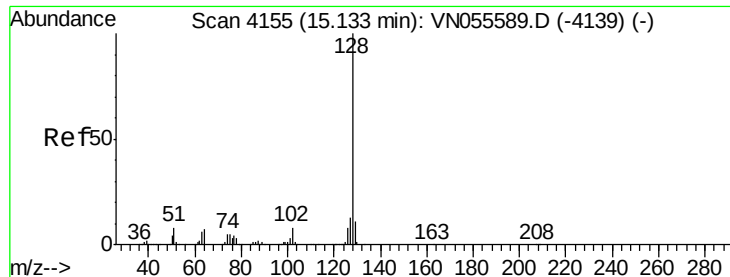
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.4	142.3
145	29.8	14.9	44.7



#94
 Hexachlorobutadiene
 Concen: 40.758 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.6	95.0
227	64.7	32.4	97.0





#95

Naphthalene

Concen: 50.696 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

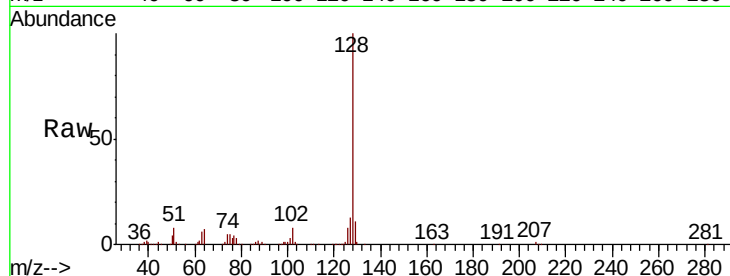
Tot Ion:128 Resp: 775219

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

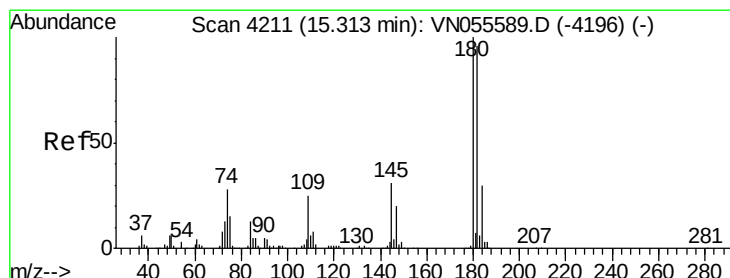
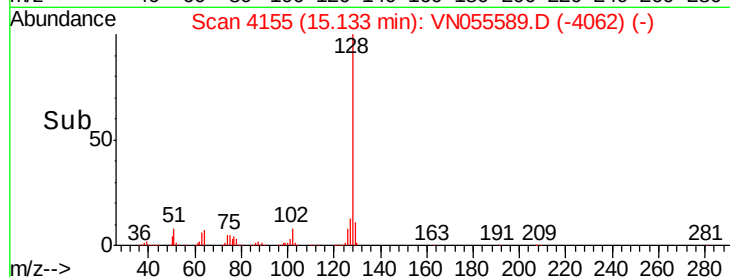
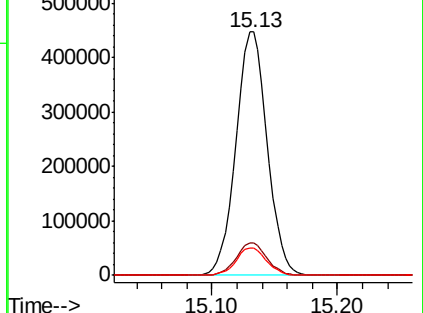
129 11.0 8.8 13.2



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: 51.770 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

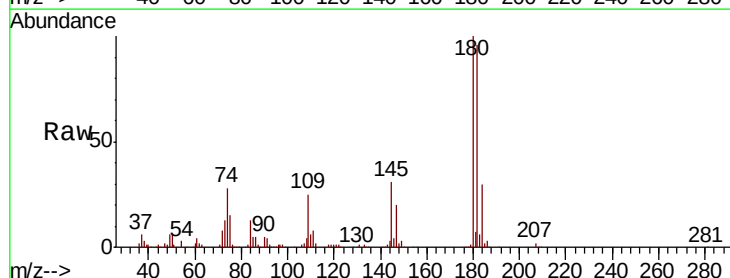
Tgt Ion:180 Resp: 317629

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.6

145 31.1 15.6 46.7



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

