

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN055000.D
 Acq On : 12 Apr 2019 15:39
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 13 02:25:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 02:20:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	419374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	661295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	581162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	236087	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	116317	21.10	ug/l	0.00
Spiked Amount			Recovery	=	42.20%	
35) Dibromofluoromethane	7.59	113	92248	21.43	ug/l	0.00
Spiked Amount			Recovery	=	42.86%	
50) Toluene-d8	10.09	98	341473	21.00	ug/l	0.00
Spiked Amount			Recovery	=	42.00%	
62) 4-Bromofluorobenzene	12.40	95	109655	20.26	ug/l	0.00
Spiked Amount			Recovery	=	40.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	96810	19.586	ug/l	98
3) Chloromethane	2.06	50	124249	19.066	ug/l	98
4) Vinyl Chloride	2.19	62	102483	18.137	ug/l	100
5) Bromomethane	2.56	94	59782	18.496	ug/l	98
6) Chloroethane	2.71	64	56623	17.906	ug/l	97
7) Trichlorofluoromethane	3.02	101	132592	19.238	ug/l	99
8) Diethyl Ether	3.41	74	40719	18.430	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	66931	18.348	ug/l	99
10) Methyl Iodide	3.94	142	99931	19.439	ug/l	99
11) Tert butyl alcohol	4.82	59	31313	106.625	ug/l #	93
12) 1,1-Dichloroethene	3.73	96	64089	17.757	ug/l	94
13) Acrolein	3.61	56	37939	98.899	ug/l	98
14) Allyl chloride	4.32	41	159284	19.647	ug/l	98
15) Acrylonitrile	5.00	53	176898	102.188	ug/l	99
16) Acetone	3.82	43	148077	95.439	ug/l	96
17) Carbon Disulfide	4.04	76	201405	17.527	ug/l	100
18) Methyl Acetate	4.33	43	82802	19.716	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	235566	19.716	ug/l	99
20) Methylene Chloride	4.55	84	98563	19.260	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	85455	18.752	ug/l	94
22) Diisopropyl ether	5.96	45	331642	19.845	ug/l	98
23) Vinyl Acetate	5.90	43	1128251	96.907	ug/l	100
24) 1,1-Dichloroethane	5.85	63	174583	19.218	ug/l	98
25) 2-Butanone	6.85	43	226984	108.456	ug/l	99
26) 2,2-Dichloropropane	6.82	77	111393	17.606	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	100213	19.310	ug/l	99
28) Bromochloromethane	7.19	49	86176	20.089	ug/l	99
29) Tetrahydrofuran	7.22	42	144756	104.618	ug/l	100
30) Chloroform	7.37	83	168760	19.576	ug/l	99
31) Cyclohexane	7.65	56	169272	16.327	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	134213	18.526	ug/l	99
36) 1,1-Dichloropropene	7.79	75	120687	18.685	ug/l	100
37) Ethyl Acetate	6.94	43	96793	21.322	ug/l	100
38) Carbon Tetrachloride	7.77	117	111074	17.867	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	140879	19.795	ug/l	99
40) Benzene	8.04	78	375499	20.087	ug/l	98
41) Methacrylonitrile	7.17	41	51980	20.086	ug/l	97
42) 1,2-Dichloroethane	8.13	62	130838	19.877	ug/l	99
43) Isopropyl Acetate	8.17	43	154746	20.259	ug/l	99
44) Trichloroethene	8.83	130	93907	19.629	ug/l	98
45) 1,2-Dichloropropane	9.12	63	106219	20.389	ug/l	100
46) Dibromomethane	9.21	93	61170	20.535	ug/l	98
47) Bromodichloromethane	9.40	83	122257	19.690	ug/l	97
48) Methyl methacrylate	9.20	41	78403	20.416	ug/l	99
49) 1,4-Dioxane	9.20	88	18466	467.147	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	457202	106.705	ug/l	99
52) Toluene	10.16	92	224751	20.432	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	104668	18.371	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	137156	19.673	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	83436	20.720	ug/l	98
56) Ethyl methacrylate	10.43	69	100673	19.197	ug/l	98
57) 1,3-Dichloropropane	10.71	76	146945	20.910	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	194013	94.128	ug/l	99
59) 2-Hexanone	10.75	43	285470	107.123	ug/l	100
60) Dibromochloromethane	10.90	129	80726	19.269	ug/l	98
61) 1,2-Dibromoethane	11.01	107	76713	20.317	ug/l	99
64) Tetrachloroethene	10.63	164	91395	19.640	ug/l	96
65) Chlorobenzene	11.43	112	227557	19.444	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	84246	19.658	ug/l	99
67) Ethyl Benzene	11.51	91	417520	19.798	ug/l	100
68) m/p-Xylenes	11.62	106	308730	40.007	ug/l	100
69) o-Xylene	11.95	106	152324	20.271	ug/l	99
70) Styrene	11.96	104	245287	20.322	ug/l	99
71) Bromoform	12.13	173	47799	18.427	ug/l #	97
73) Isopropylbenzene	12.25	105	402317	20.310	ug/l	98
74) N-amyl acetate	12.07	43	113921	20.537	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	102937	20.846	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	117837	27.636	ug/l #	100
77) Bromobenzene	12.53	156	94714	19.718	ug/l	98
78) n-propylbenzene	12.59	91	441416	20.220	ug/l	100
79) 2-Chlorotoluene	12.67	91	269177	19.895	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	332694	20.465	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	19579	19.245	ug/l	97
82) 4-Chlorotoluene	12.77	91	257916	20.157	ug/l	99
83) tert-Butylbenzene	12.99	119	283241	20.427	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	322307	20.508	ug/l	100
85) sec-Butylbenzene	13.17	105	362019	20.184	ug/l	100
86) p-Isopropyltoluene	13.29	119	320152	20.737	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	159790	20.067	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	150584	19.839	ug/l	99
89) n-Butylbenzene	13.61	91	233434	19.053	ug/l	100
90) Hexachloroethane	13.87	117	47121	18.350	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	157434	20.075	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12400	18.045	ug/l	89

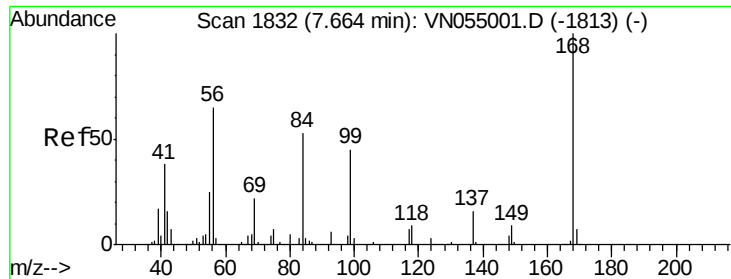
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	60261	17.477	ug/l	100
94) Hexachlorobutadiene	15.01	225	51864	19.738	ug/l	96
95) Naphthalene	15.13	128	130595	17.150	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	64153	17.908	ug/l	98

(#) = 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: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

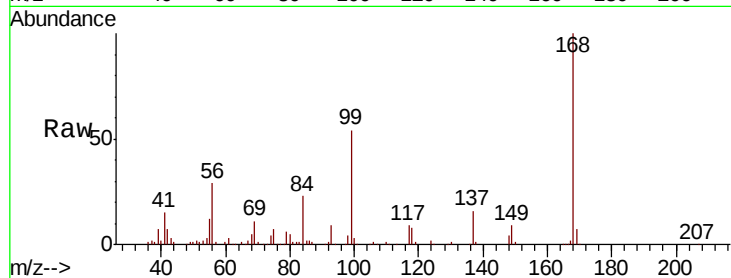
VSTDIC020

Tot Ion:168 Resp: 419374

Ion Ratio Lower Upper

168 100

99 53.4 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

150000

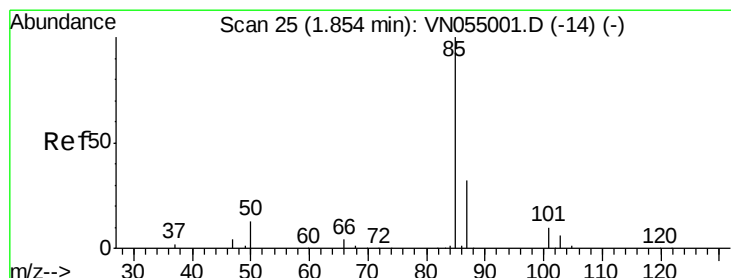
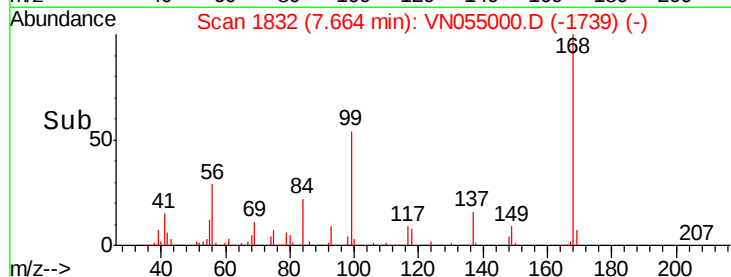
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.586 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055000.D

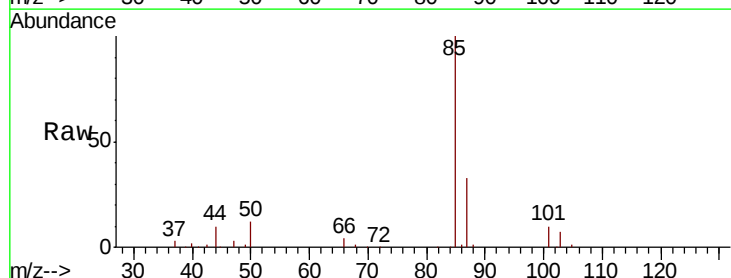
Acq: 12 Apr 2019 15:39

Tgt Ion: 85 Resp: 96810

Ion Ratio Lower Upper

85 100

87 33.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

80000

60000

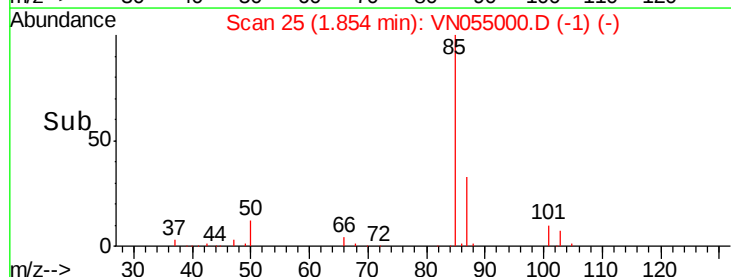
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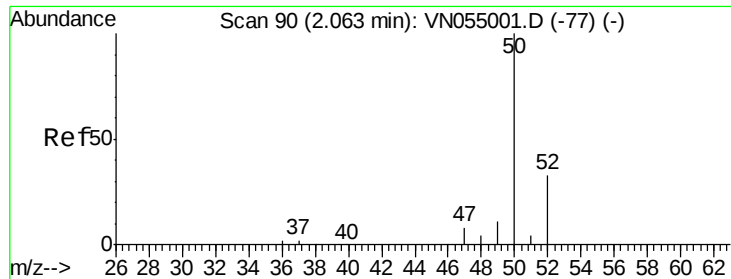
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 19.066 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

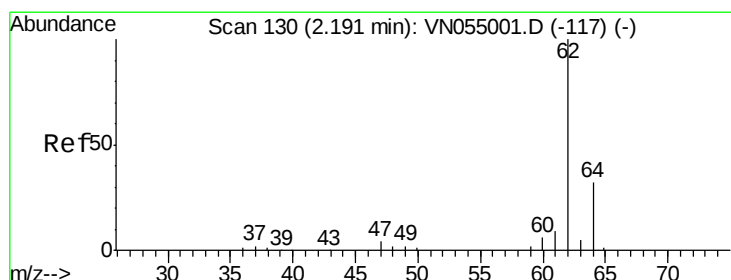
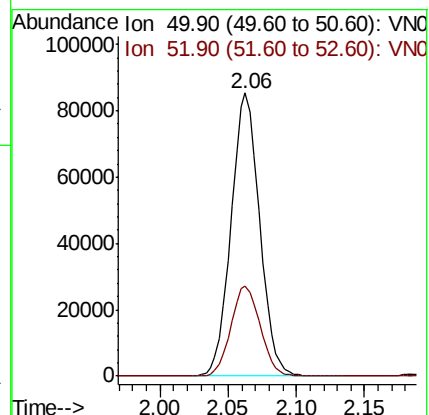
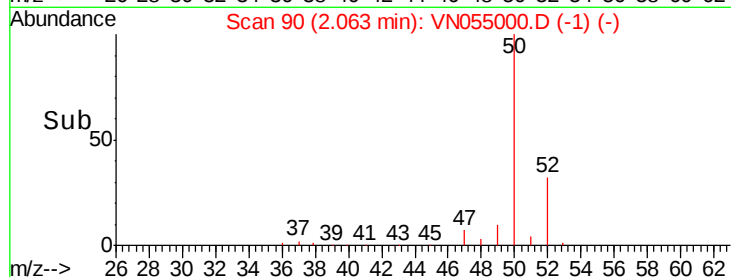
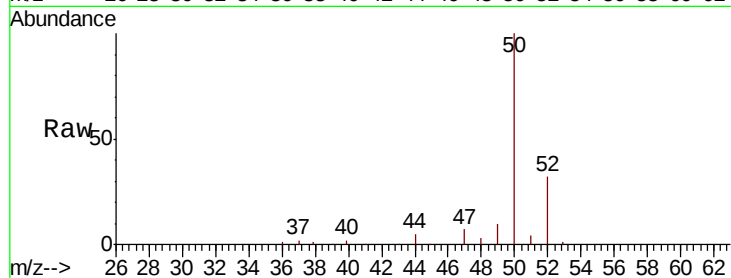
VSTDIC020

Tot Ion: 50 Resp: 124249

Ion Ratio Lower Upper

50 100

52 32.0 26.6 40.0



#4

Vinyl Chloride

Concen: 18.137 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055000.D

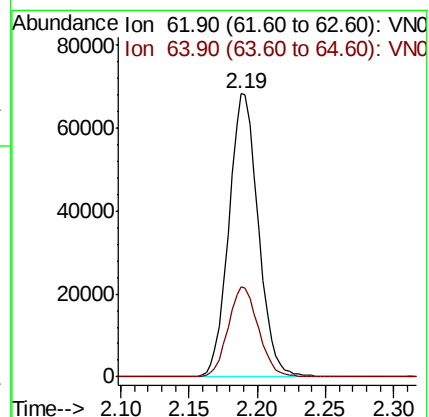
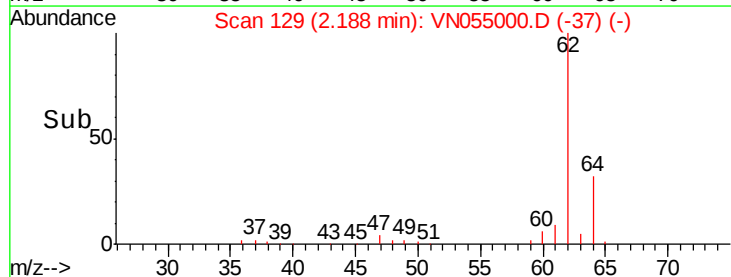
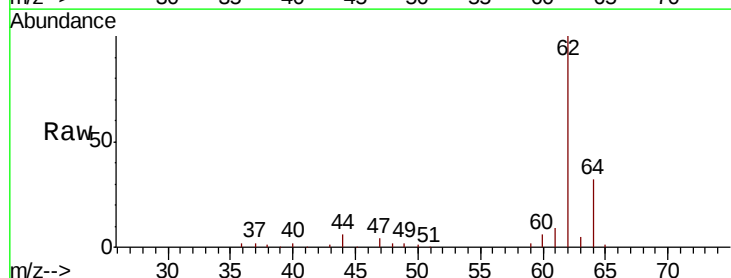
Acq: 12 Apr 2019 15:39

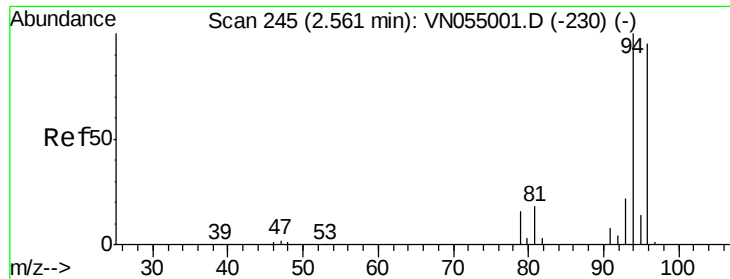
Tgt Ion: 62 Resp: 102483

Ion Ratio Lower Upper

62 100

64 32.0 25.8 38.6





#5

Bromomethane

Concen: 18.496 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

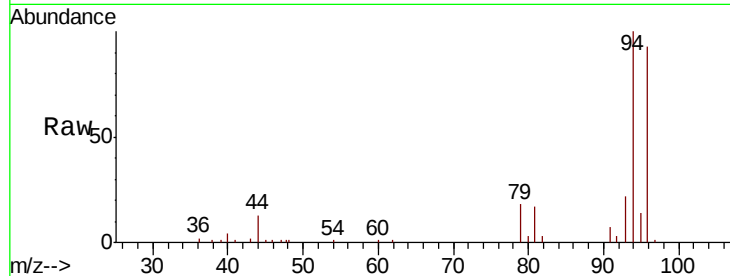
VSTDIC020

Tot Ion: 94 Resp: 59782

Ion Ratio Lower Upper

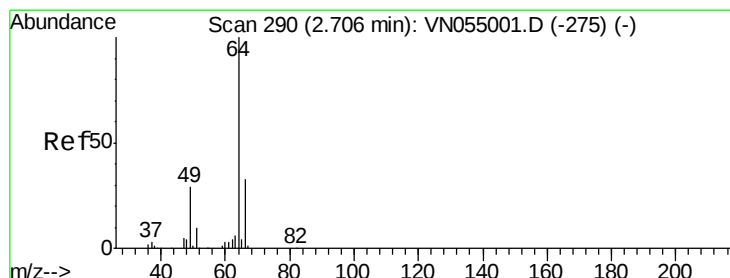
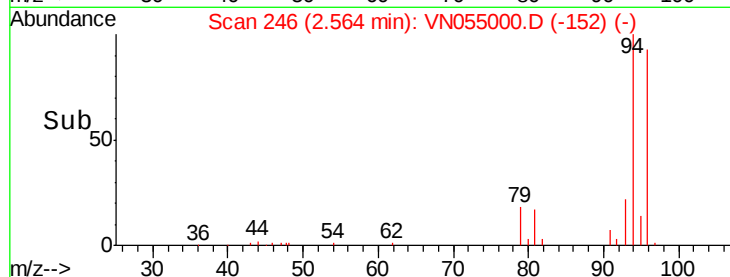
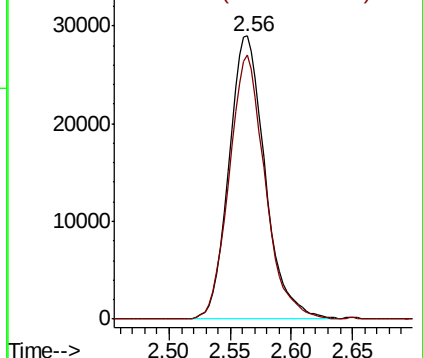
94 100

96 93.4 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.906 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN055000.D

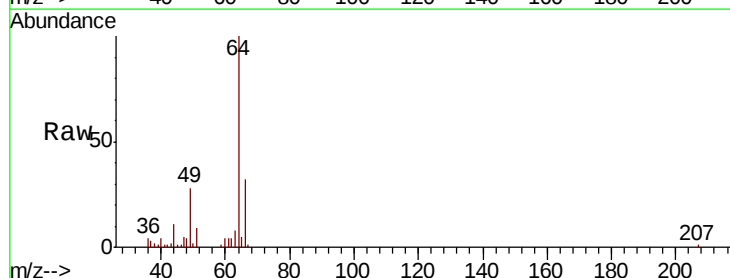
Acq: 12 Apr 2019 15:39

Tgt Ion: 64 Resp: 56623

Ion Ratio Lower Upper

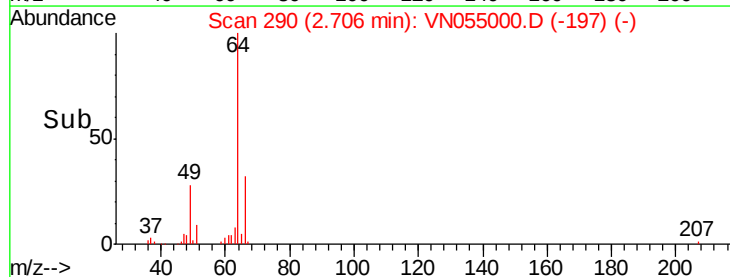
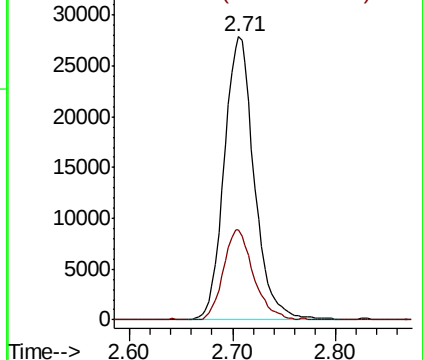
64 100

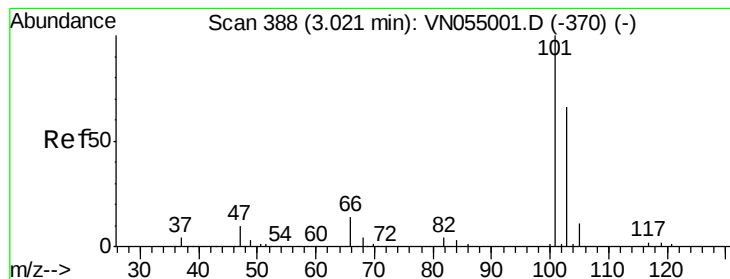
66 31.8 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



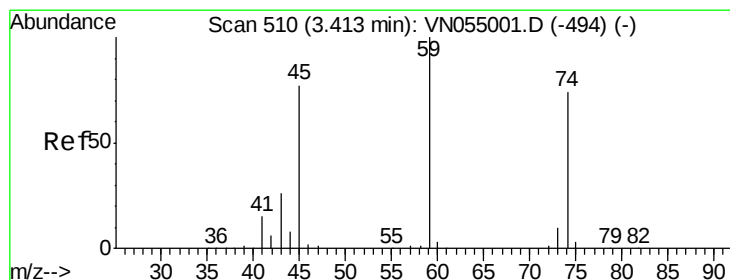
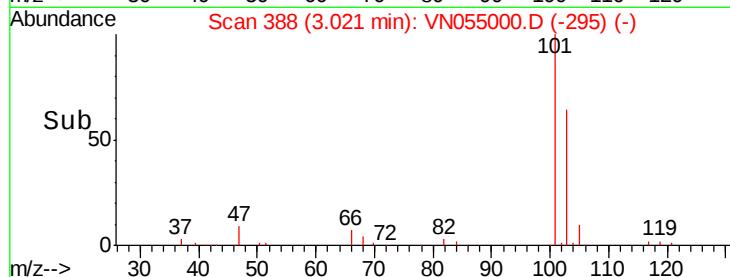
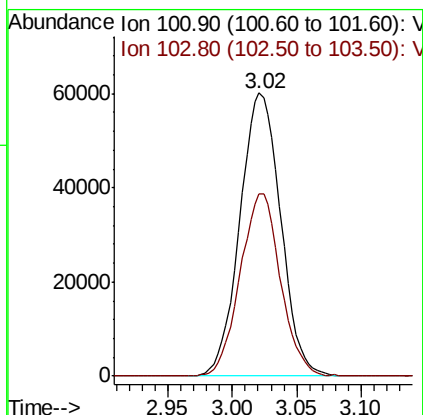
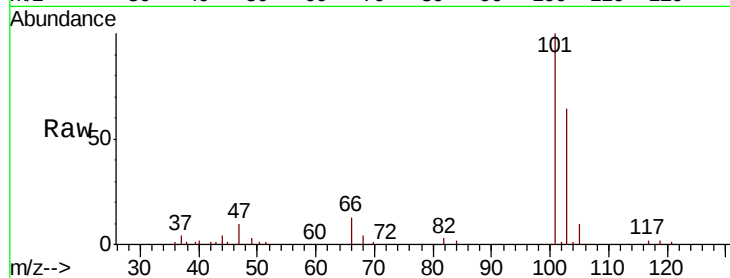


#7

Trichlorofluoromethane
 Concen: 19.238 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

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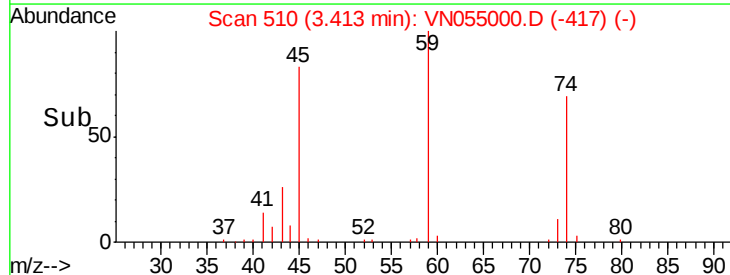
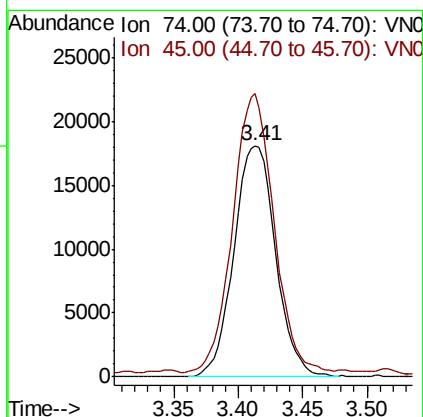
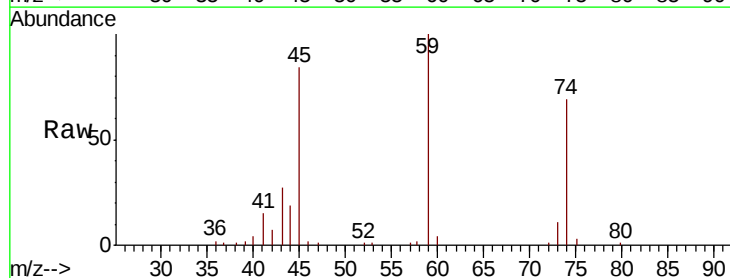
Tot Ion:101 Resp: 132592
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.5 78.7

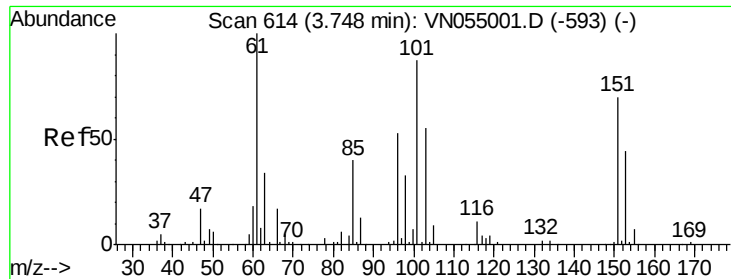


#8

Diethyl Ether
 Concen: 18.430 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

Tgt Ion: 74 Resp: 40719
 Ion Ratio Lower Upper
 74 100
 45 118.6 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.348 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

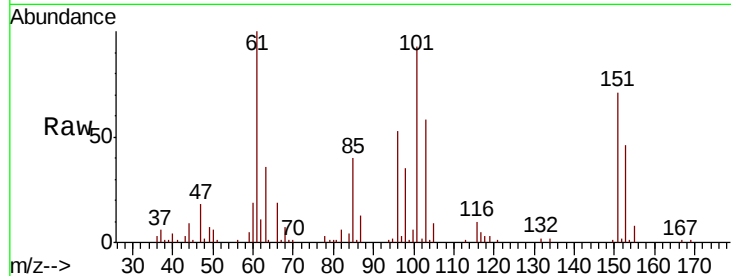
Tot Ion:101 Resp: 66931

Ion Ratio Lower Upper

101 100

85 47.1 36.9 55.3

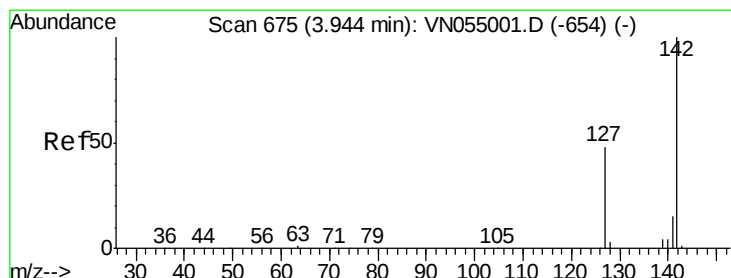
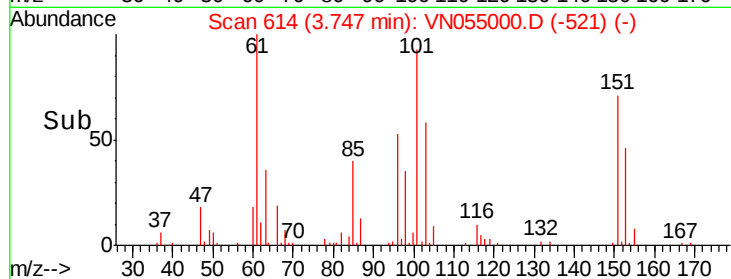
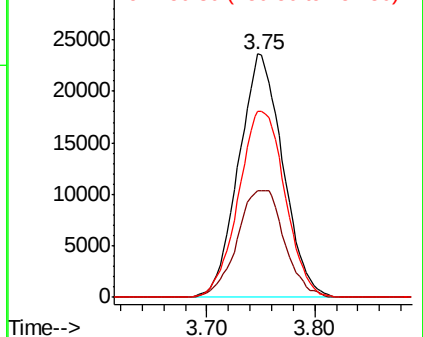
151 80.8 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.439 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

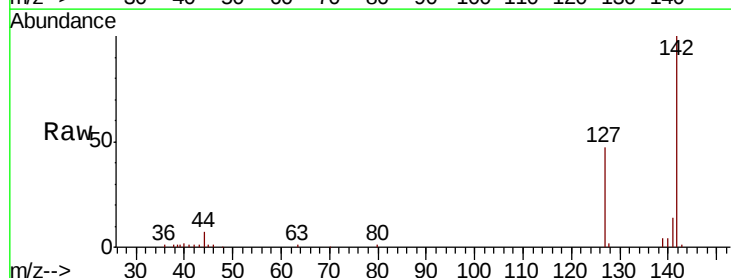
Tgt Ion:142 Resp: 99931

Ion Ratio Lower Upper

142 100

127 47.3 37.9 56.9

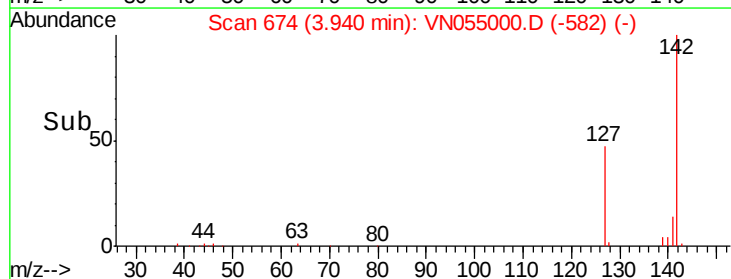
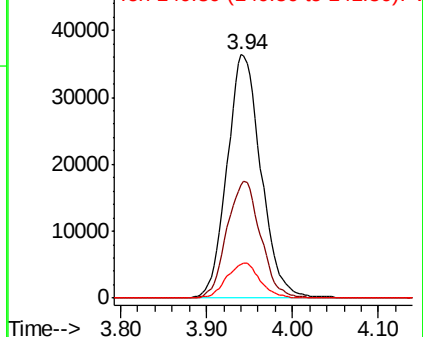
141 14.0 11.8 17.8

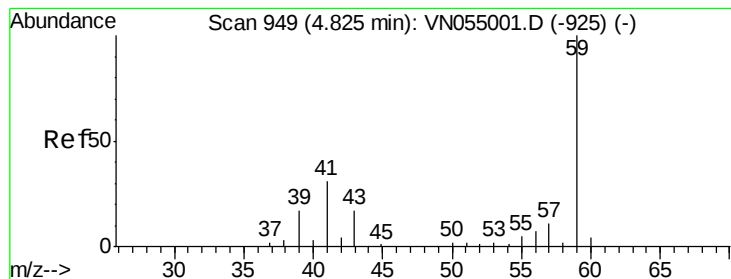


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



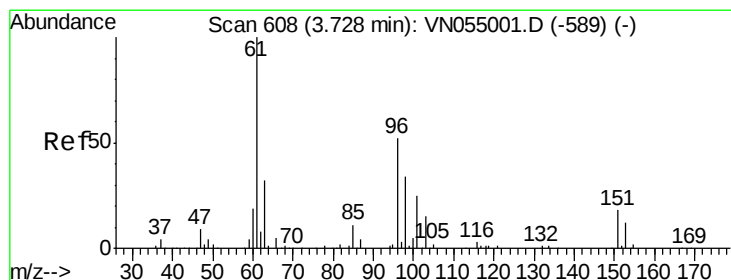
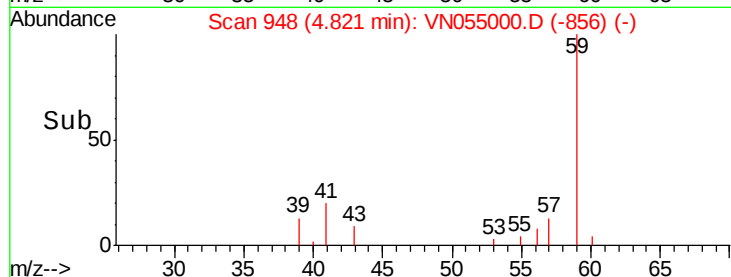
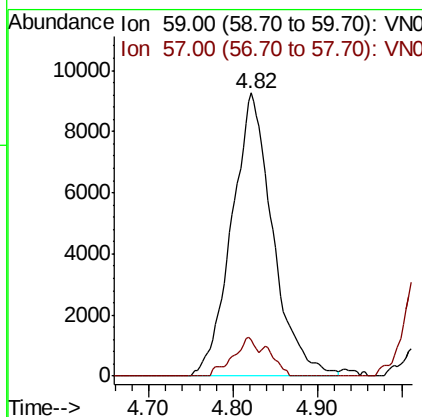
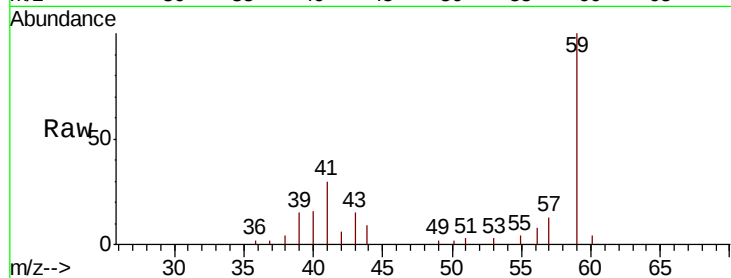


#11

Tert butyl alcohol
 Concen: 106.625 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

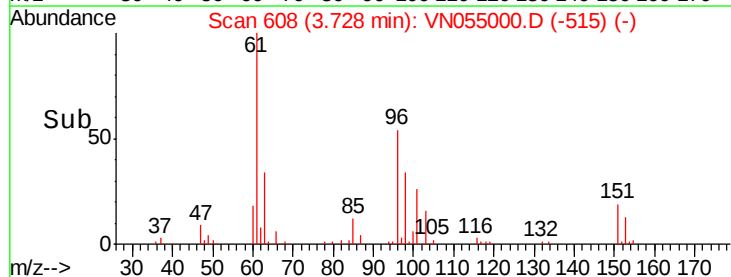
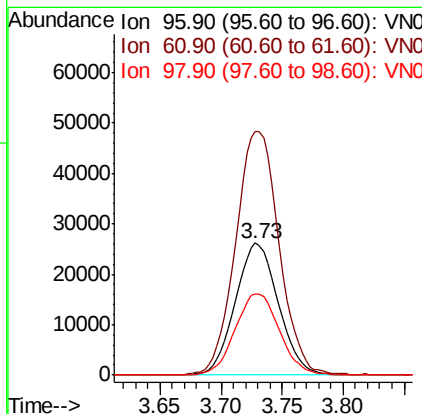
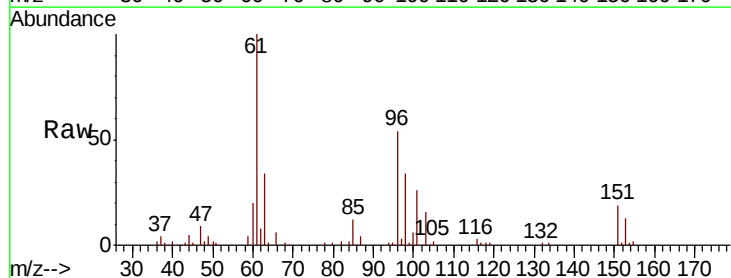
Tot Ion: 59 Resp: 31313
 Ion Ratio Lower Upper
 59 100
 57 7.9 8.3 12.5#

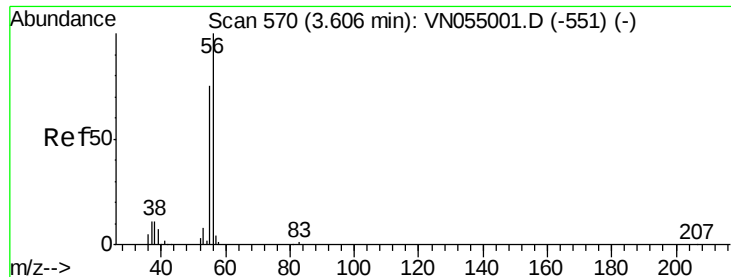


#12

1,1-Dichloroethene
 Concen: 17.757 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

Tgt Ion: 96 Resp: 64089
 Ion Ratio Lower Upper
 96 100
 61 183.4 154.2 231.4
 98 61.8 52.9 79.3





#13

Acrolein

Concen: 98.899 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

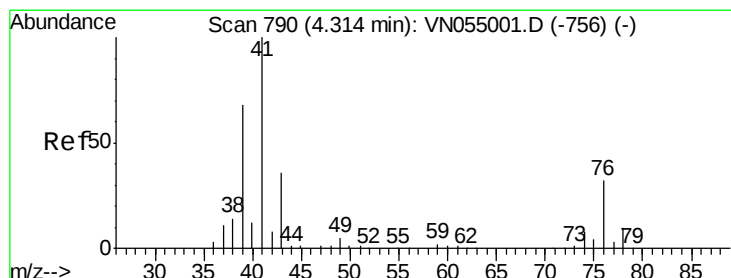
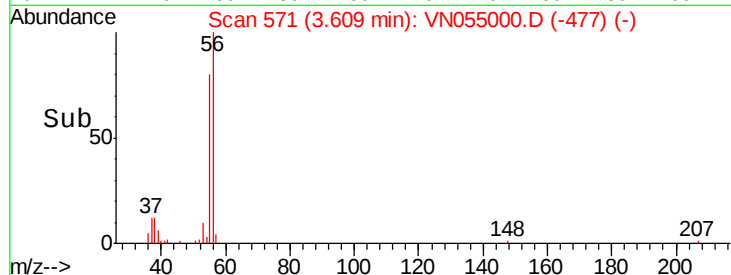
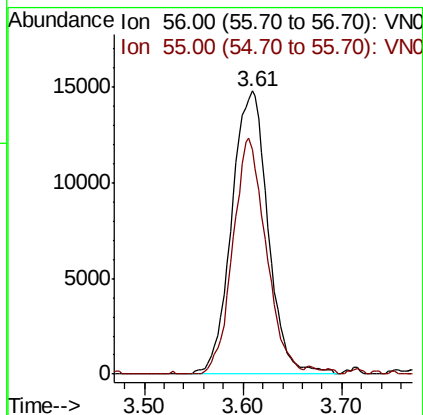
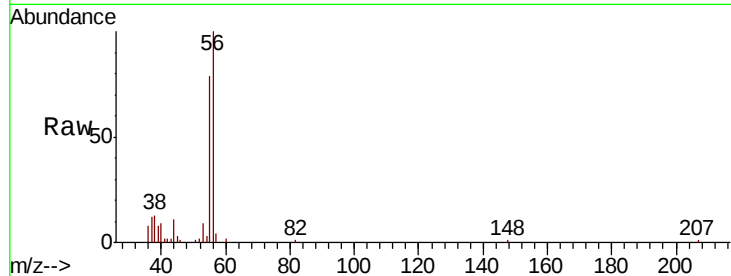
VSTDIC020

Tot Ion: 56 Resp: 37939

Ion Ratio Lower Upper

56 100

55 76.0 59.5 89.3



#14

Allyl chloride

Concen: 19.647 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

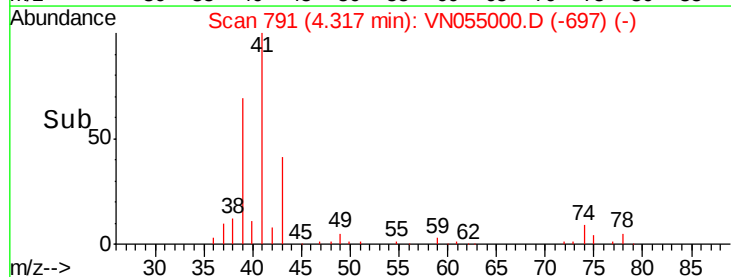
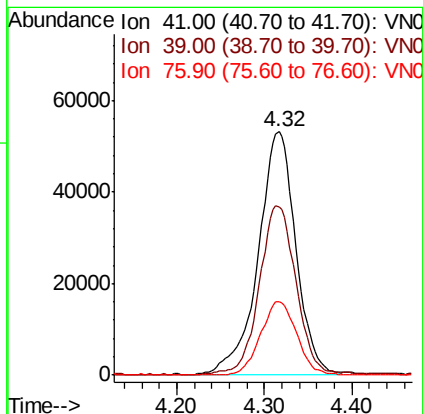
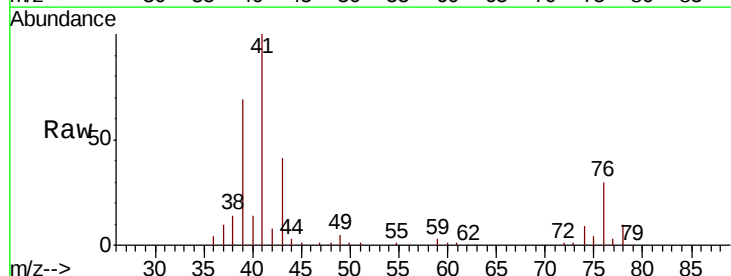
Tgt Ion: 41 Resp: 159284

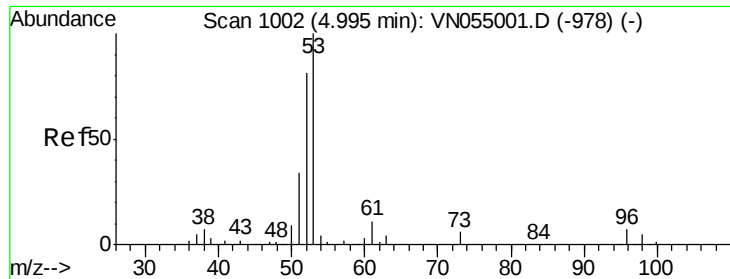
Ion Ratio Lower Upper

41 100

39 68.0 52.7 79.1

76 28.8 23.2 34.8





#15

Acrylonitrile

Concen: 102.188 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

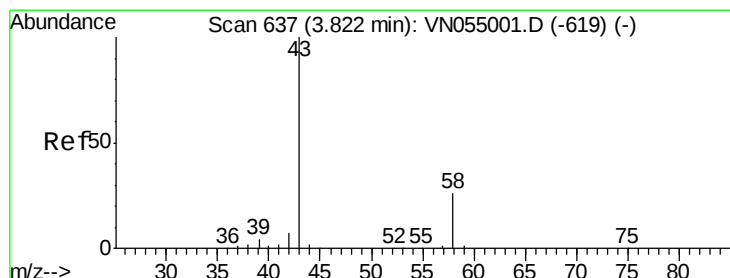
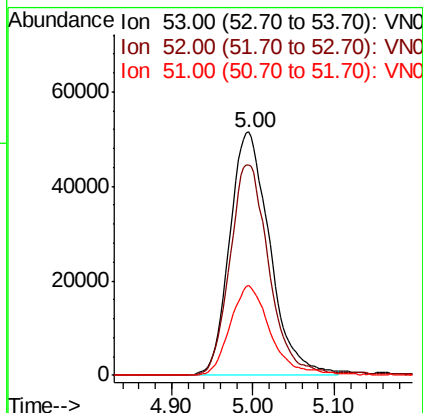
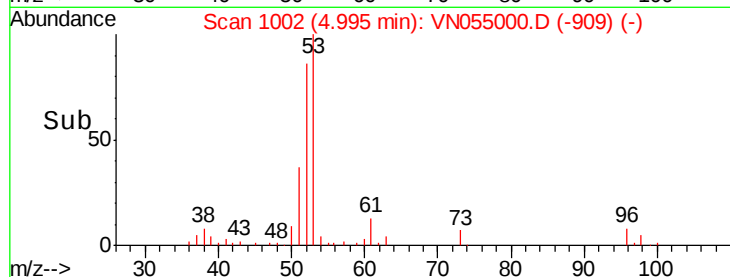
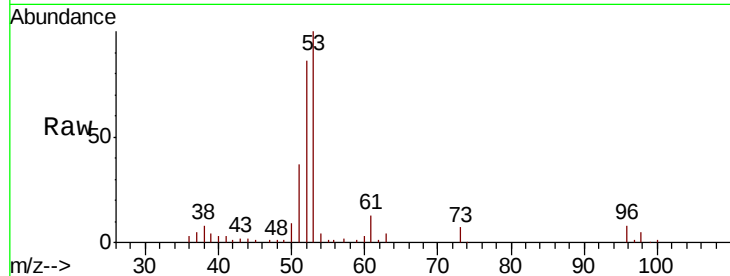
Tot Ion: 53 Resp: 176898

Ion Ratio Lower Upper

53 100

52 83.8 65.9 98.9

51 36.8 29.7 44.5



#16

Acetone

Concen: 95.439 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN055000.D

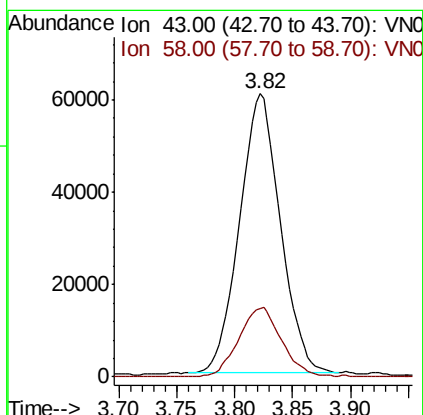
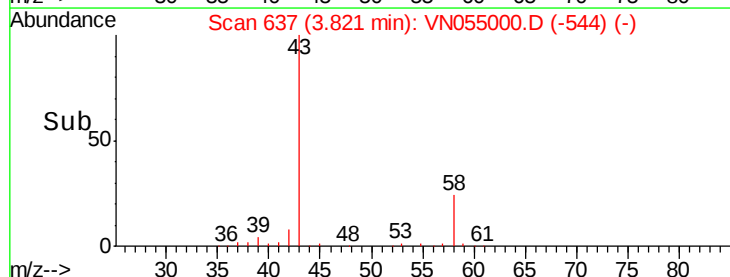
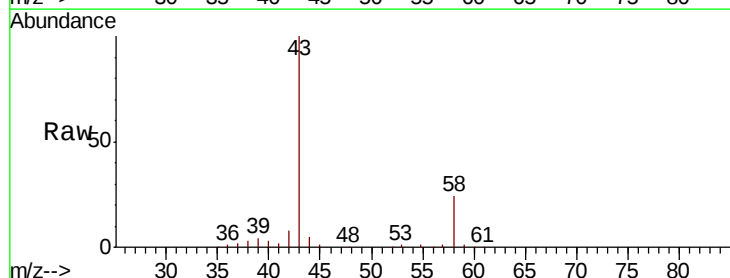
Acq: 12 Apr 2019 15:39

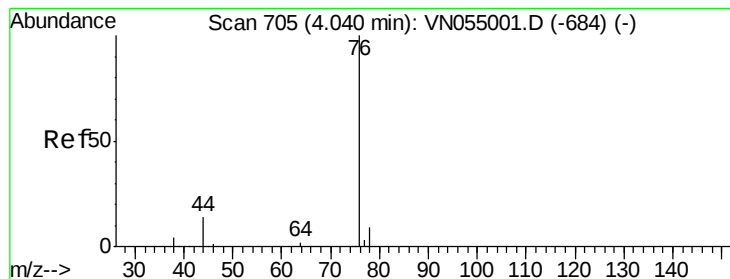
Tgt Ion: 43 Resp: 148077

Ion Ratio Lower Upper

43 100

58 24.3 20.9 31.3





#17

Carbon Disulfide

Concen: 17.527 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

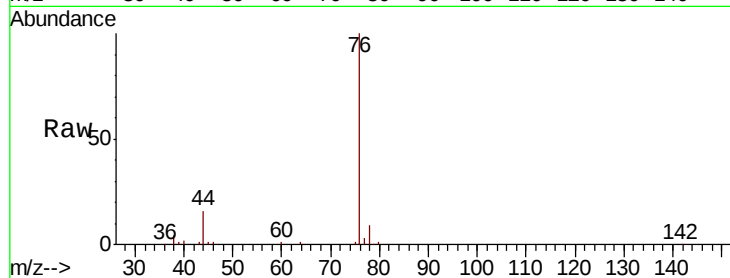
VSTDIC020

Tot Ion: 76 Resp: 201405

Ion Ratio Lower Upper

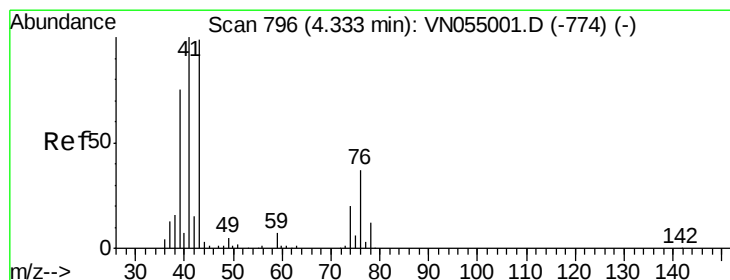
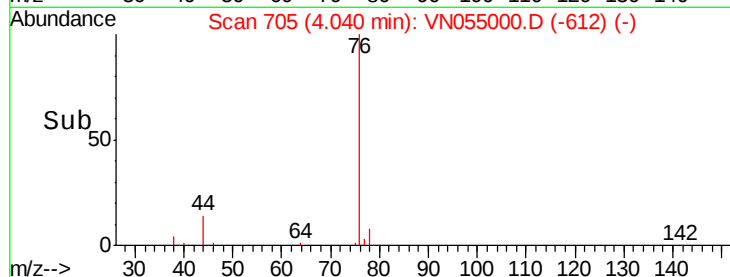
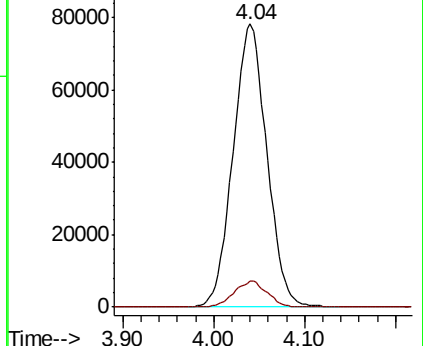
76 100

78 9.2 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 19.716 ug/l

RT: 4.33 min Scan# 796

Delta R.T. -0.00 min

Lab File: VN055000.D

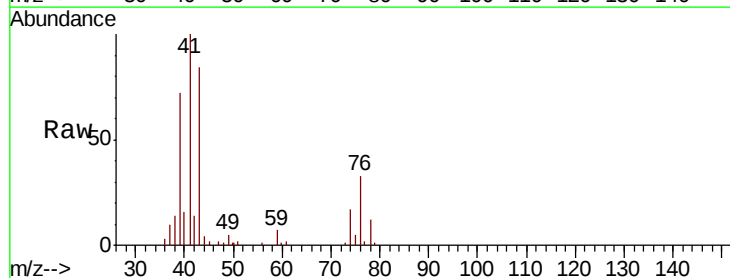
Acq: 12 Apr 2019 15:39

Tgt Ion: 43 Resp: 82802

Ion Ratio Lower Upper

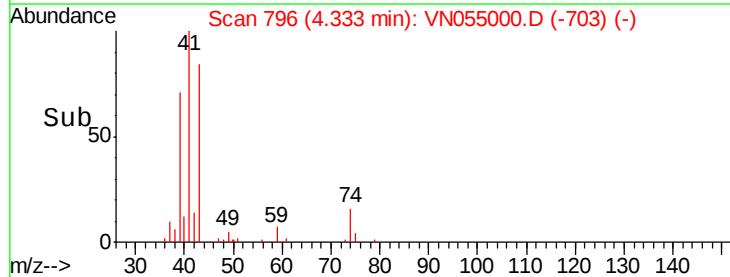
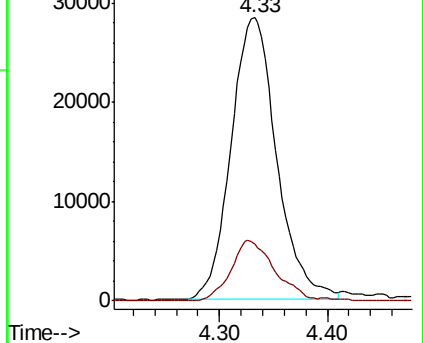
43 100

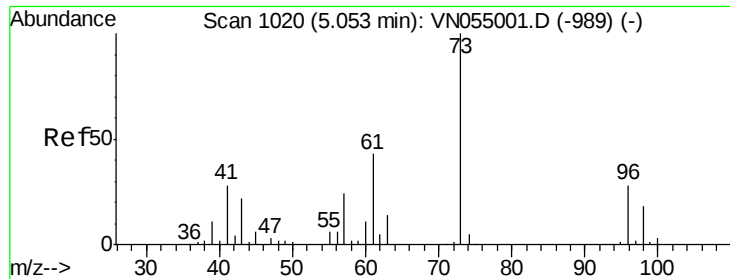
74 20.7 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

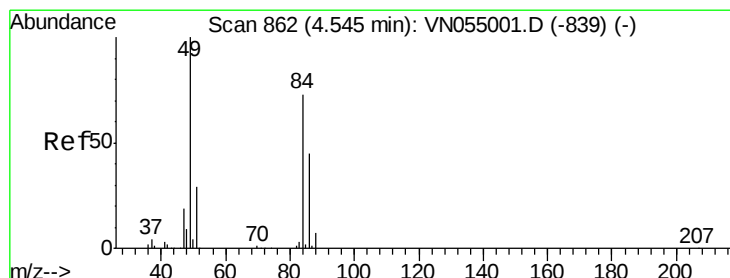
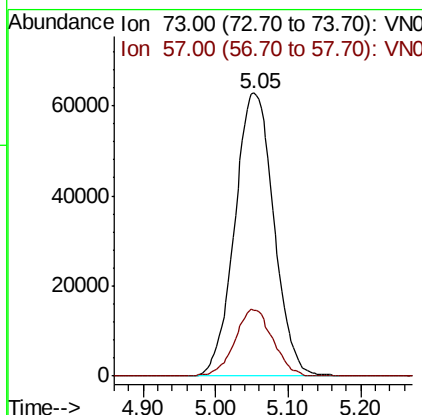
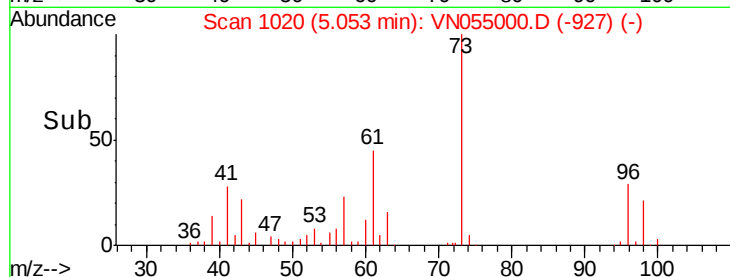
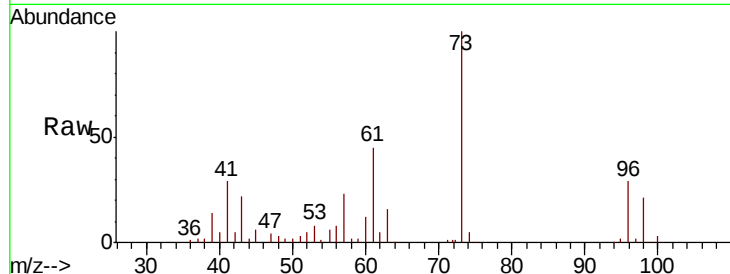




#19
Methyl tert-butyl Ether
Concen: 19.716 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

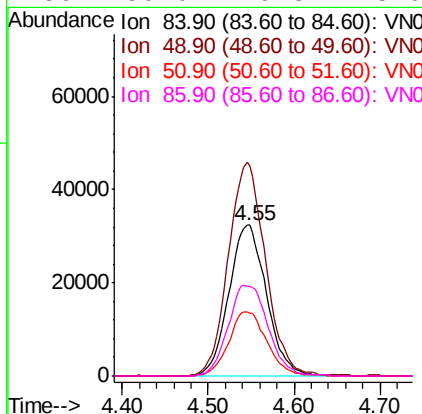
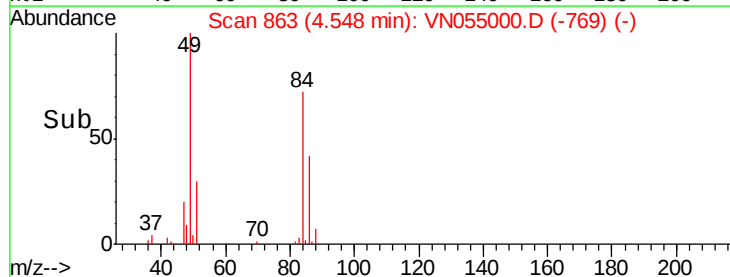
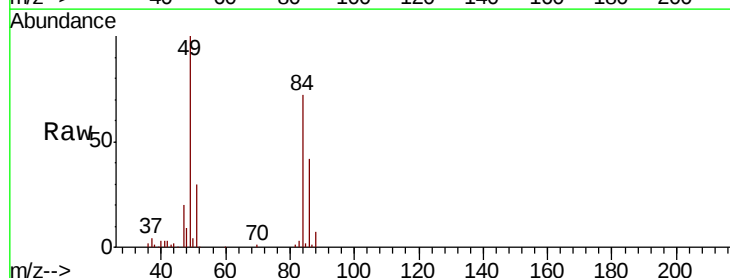
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

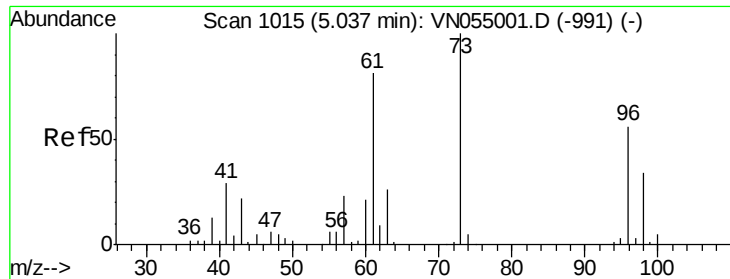
Tot Ion: 73 Resp: 235566
Ion Ratio Lower Upper
73 100
57 23.4 19.0 28.4



#20
Methylene Chloride
Concen: 19.260 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion: 84 Resp: 98563
Ion Ratio Lower Upper
84 100
49 139.1 109.4 164.2
51 41.7 32.2 48.4
86 59.0 49.3 73.9

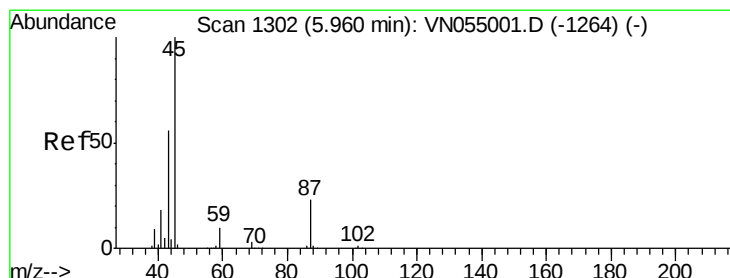
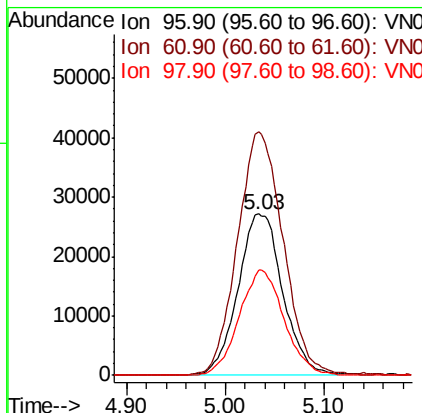
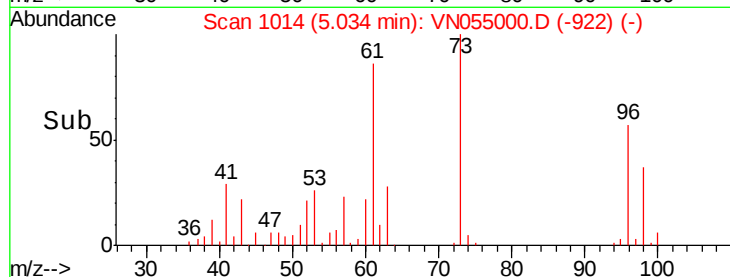
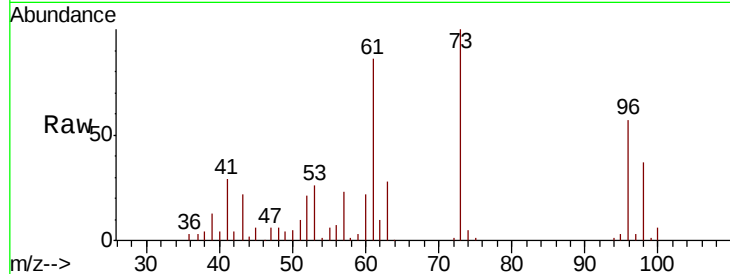




#21
trans-1,2-Dichloroethene
Concen: 18.752 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

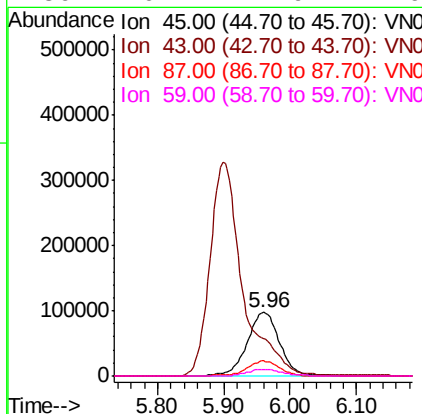
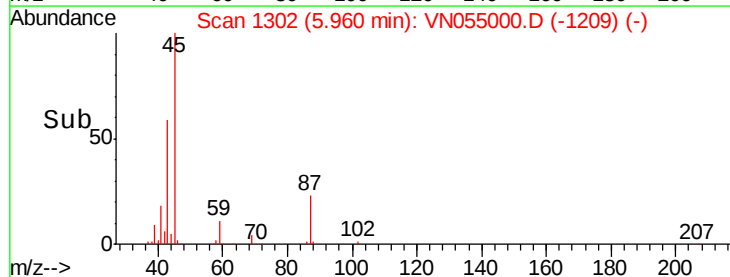
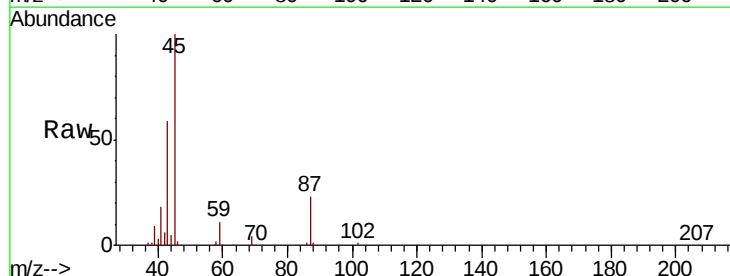
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

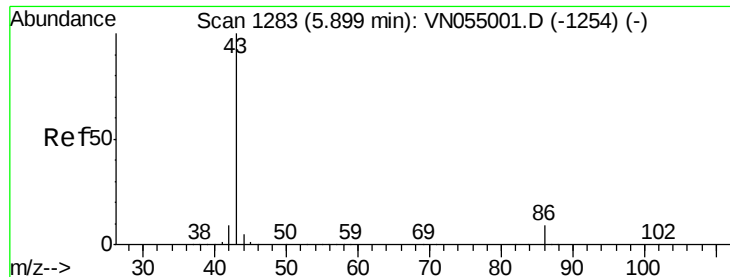
Tot Ion: 96 Resp: 85455
Ion Ratio Lower Upper
96 100
61 150.8 114.9 172.3
98 65.1 48.4 72.6



#22
Diisopropyl ether
Concen: 19.845 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion: 45 Resp: 331642
Ion Ratio Lower Upper
45 100
43 57.4 44.8 67.2
87 23.1 18.9 28.3
59 10.7 7.9 11.9





#23

Vinyl Acetate

Concen: 96.907 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

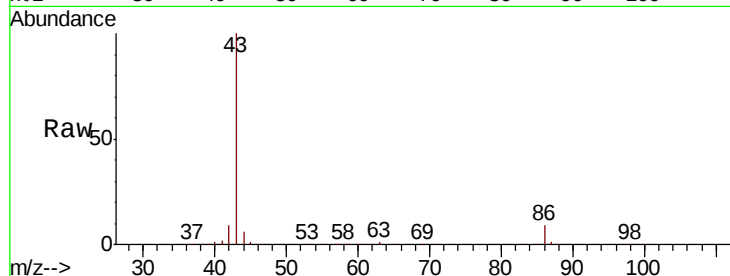
VSTDIC020

Tot Ion: 43 Resp: 1128251

Ion Ratio Lower Upper

43 100

86 8.6 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VN055000.D (-1190) (-)

Ion 86.00 (85.70 to 86.70): VN055000.D (-1190) (-)

5.90

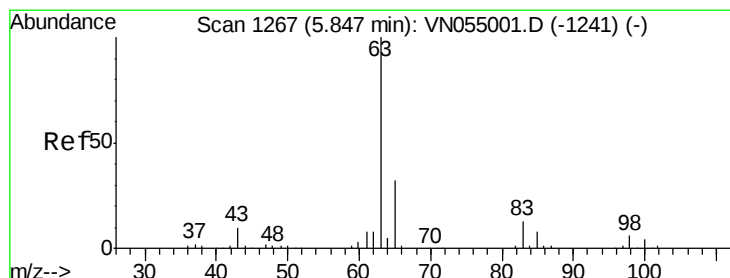
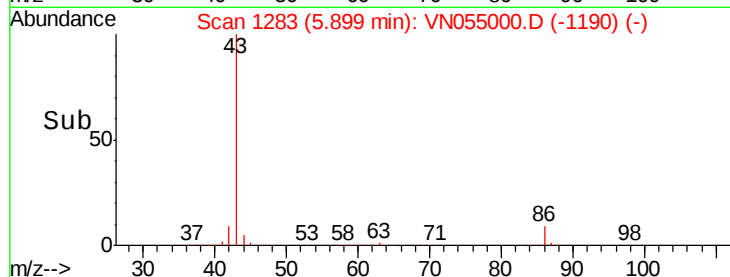
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.218 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

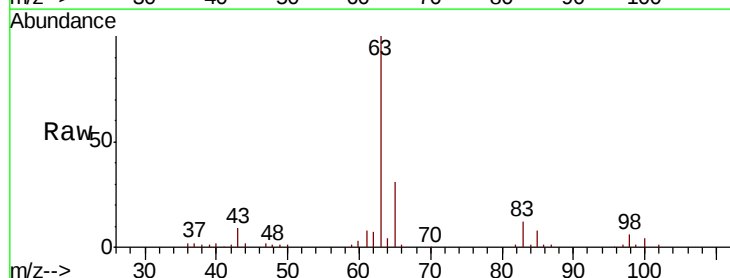
Tgt Ion: 63 Resp: 174583

Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

100 3.5 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN055000.D (-1174) (-)

Ion 97.90 (97.60 to 98.60): VN055000.D (-1174) (-)

Ion 99.90 (99.60 to 100.60): VN055000.D (-1174) (-)

5.85

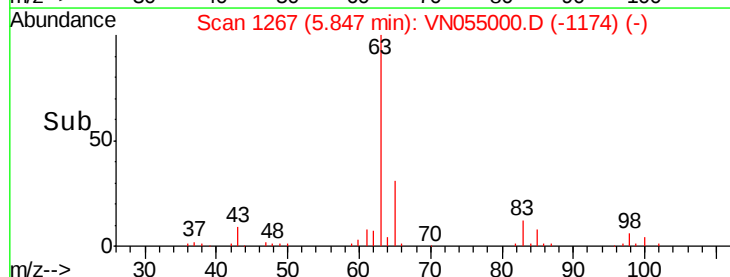
60000

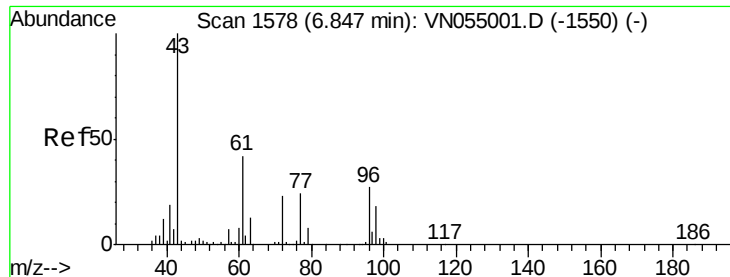
40000

20000

0

Time-->





#25

2-Butanone

Concen: 108.456 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

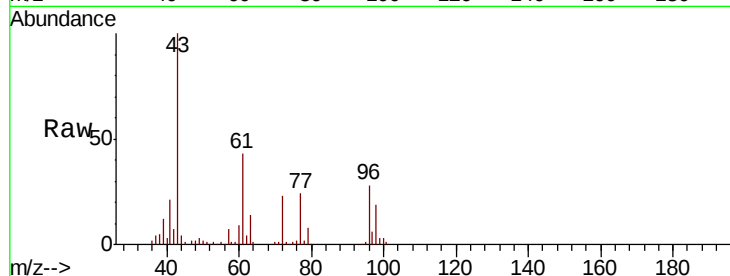
VSTDIC020

Tot Ion: 43 Resp: 226984

Ion Ratio Lower Upper

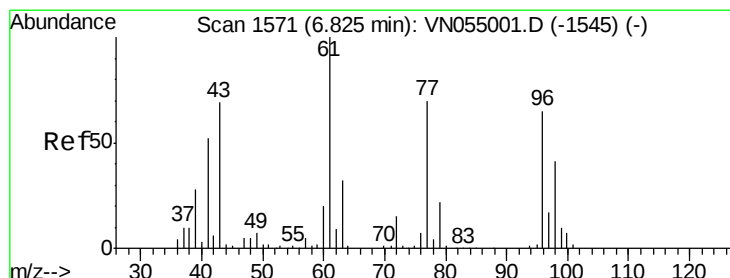
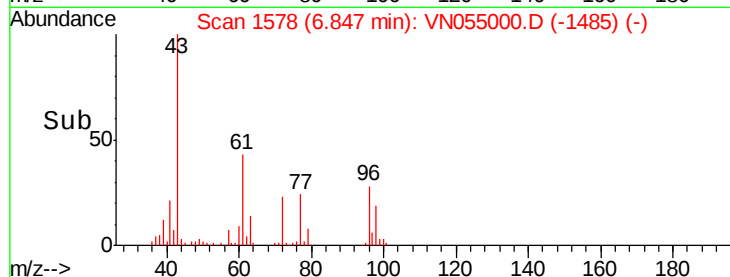
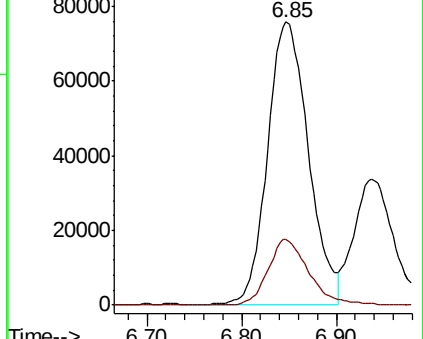
43 100

72 23.2 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 17.606 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055000.D

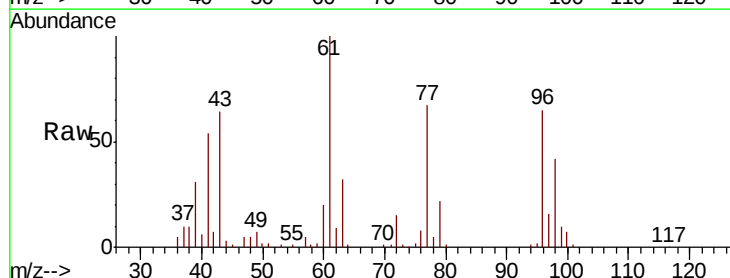
Acq: 12 Apr 2019 15:39

Tgt Ion: 77 Resp: 111393

Ion Ratio Lower Upper

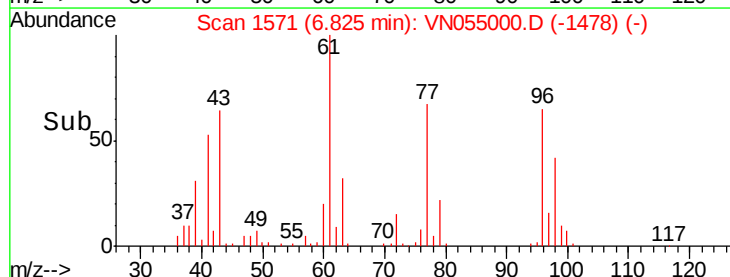
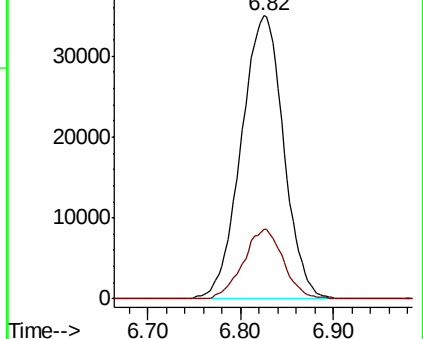
77 100

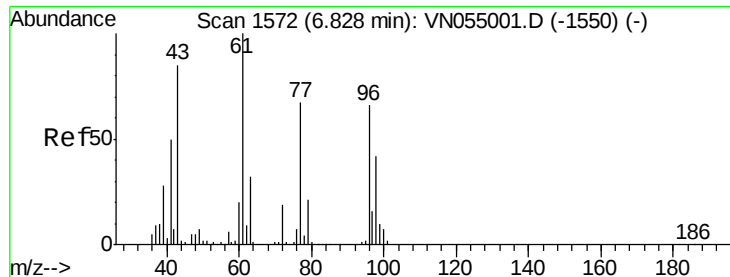
97 23.2 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.310 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

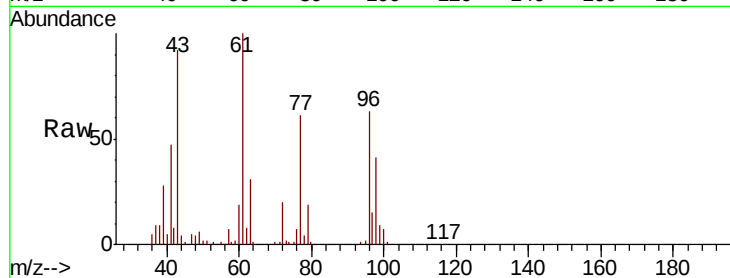
Tot Ion: 96 Resp: 100213

Ion Ratio Lower Upper

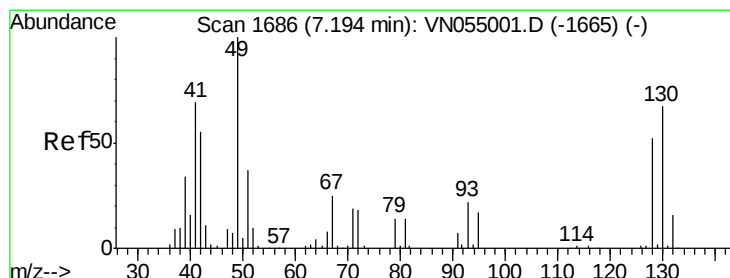
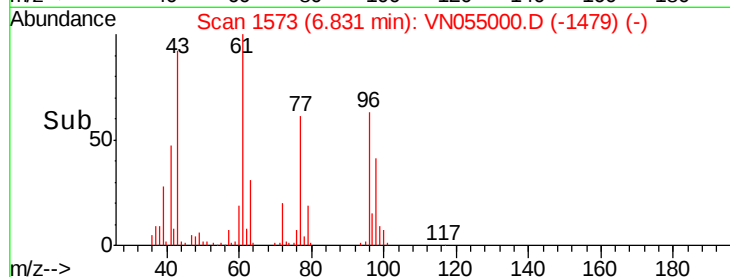
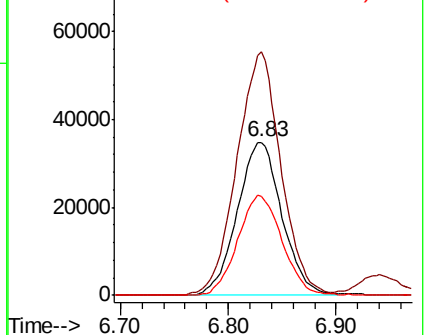
96 100

61 156.5 0.0 311.0

98 64.9 0.0 127.4



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



#28

Bromochloromethane

Concen: 20.089 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

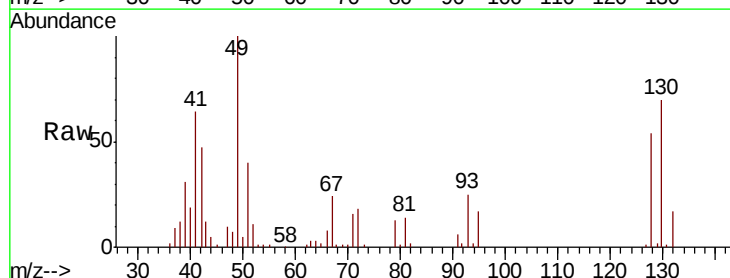
Tgt Ion: 49 Resp: 86176

Ion Ratio Lower Upper

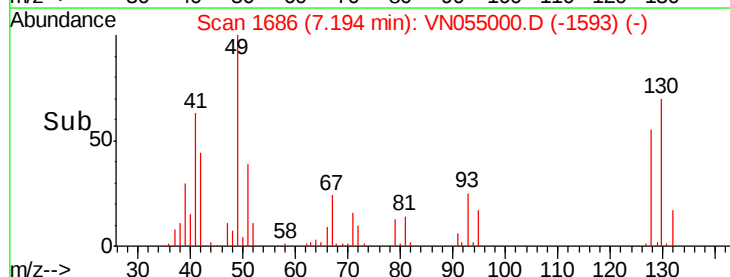
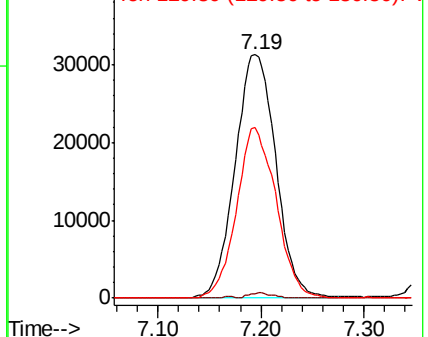
49 100

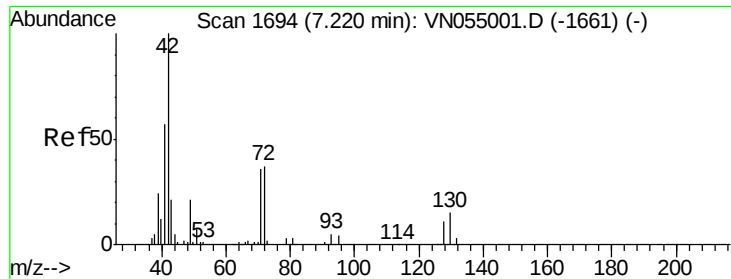
129 1.2 0.0 2.0

130 67.7 53.4 80.2



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

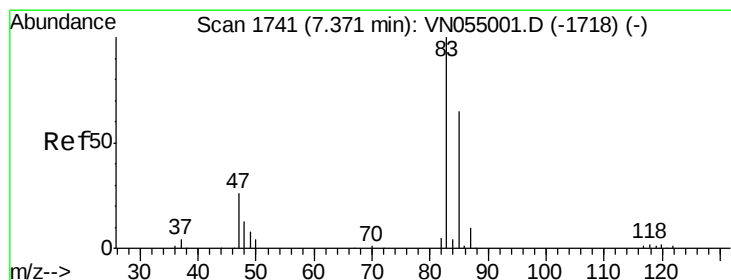
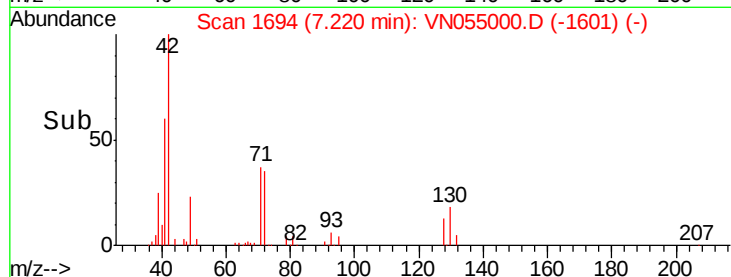
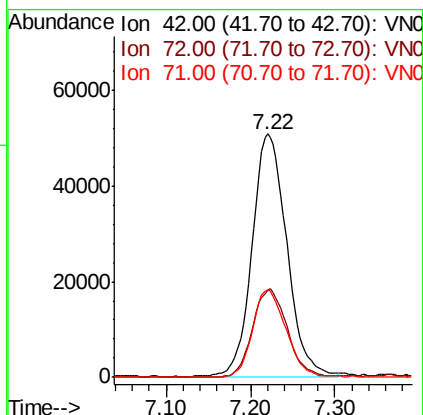
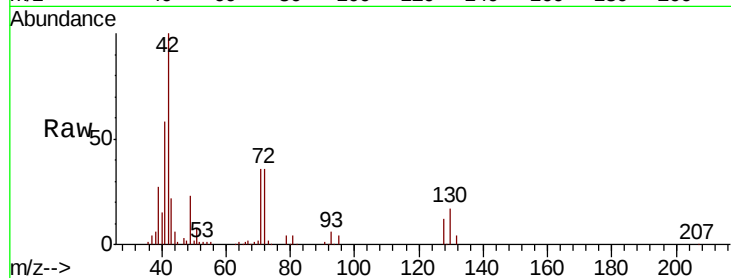




#29
Tetrahydrofuran
Concen: 104.618 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

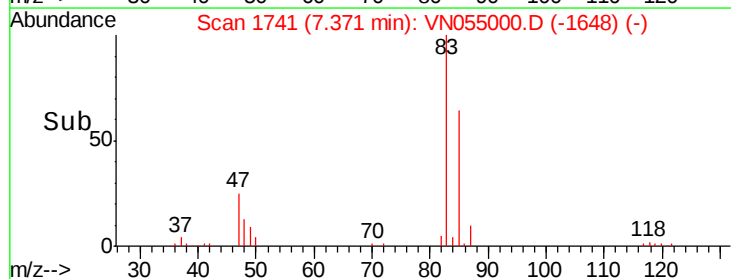
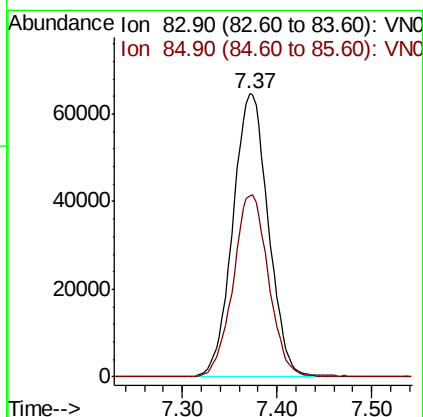
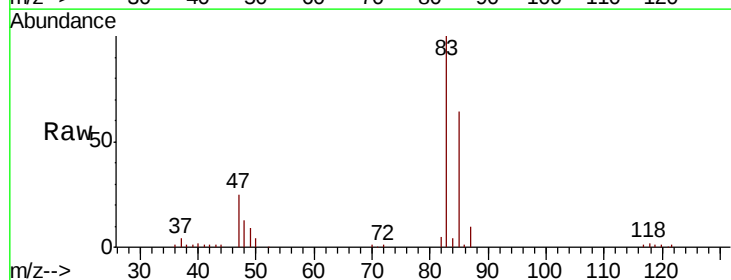
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

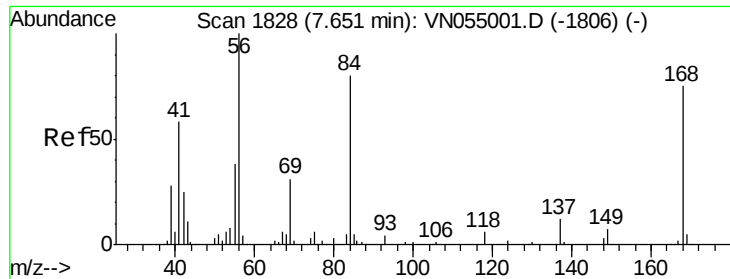
Tot Ion: 42 Resp: 144756
Ion Ratio Lower Upper
42 100
72 36.7 29.4 44.0
71 35.2 27.8 41.6



#30
Chloroform
Concen: 19.576 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion: 83 Resp: 168760
Ion Ratio Lower Upper
83 100
85 64.1 51.8 77.6

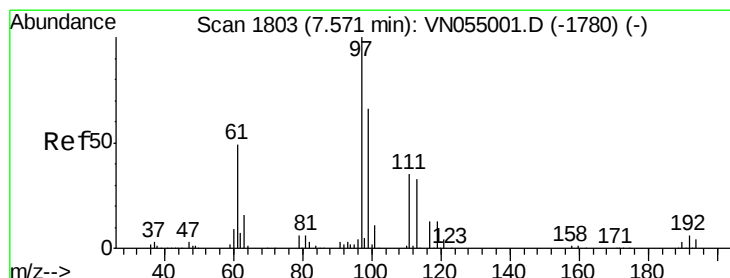
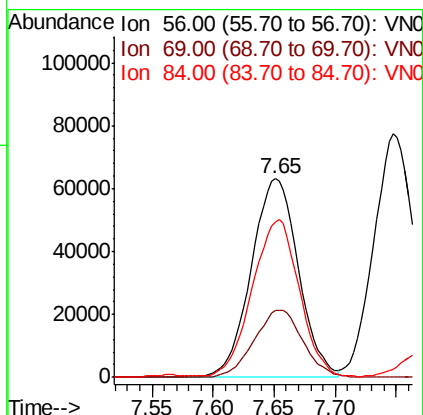
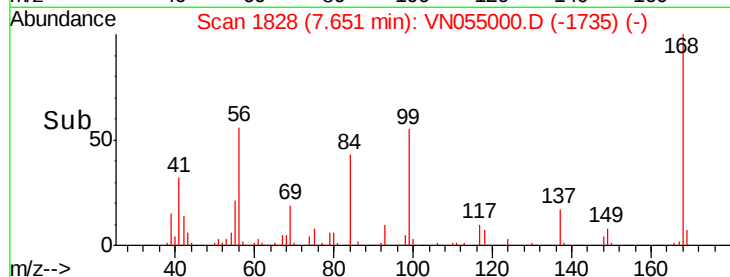
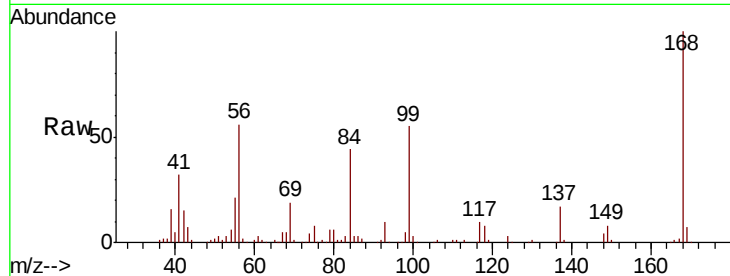




#31
Cyclohexane
Concen: 16.327 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

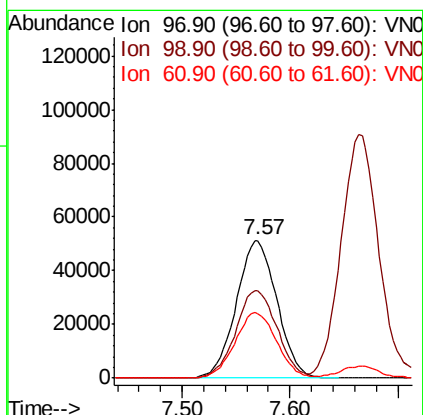
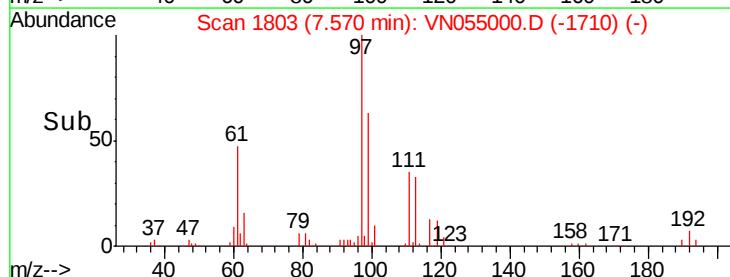
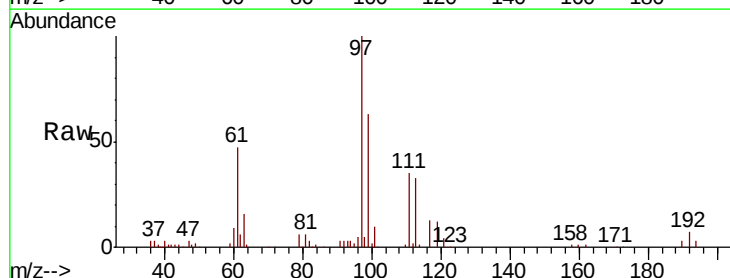
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

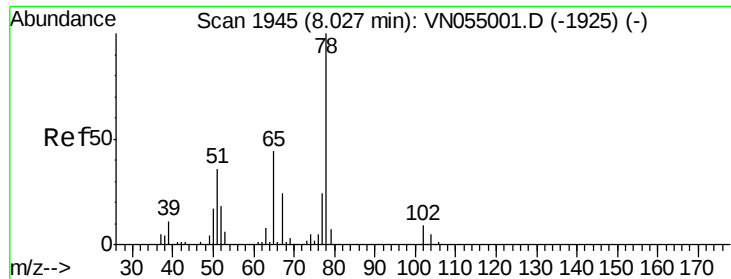
Tot Ion: 56 Resp: 169272
Ion Ratio Lower Upper
56 100
69 33.6 24.5 36.7
84 77.6 62.9 94.3



#32
1,1,1-Trichloroethane
Concen: 18.526 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion: 97 Resp: 134213
Ion Ratio Lower Upper
97 100
99 64.7 51.6 77.4
61 49.0 38.3 57.5

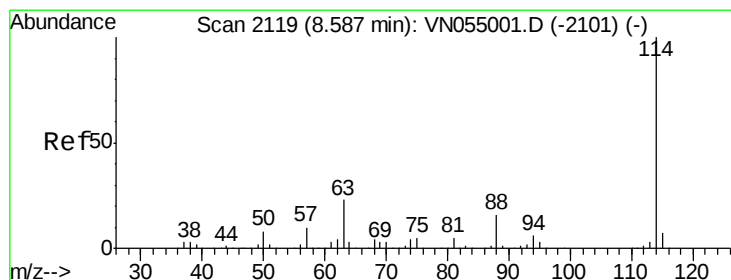
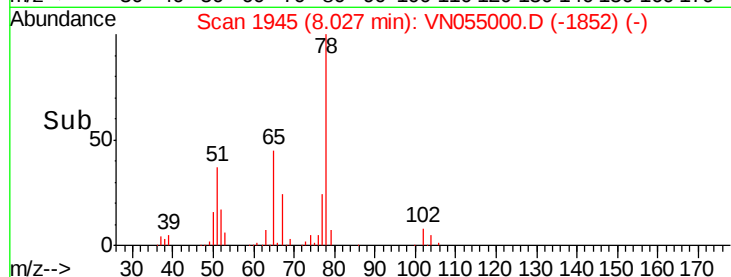
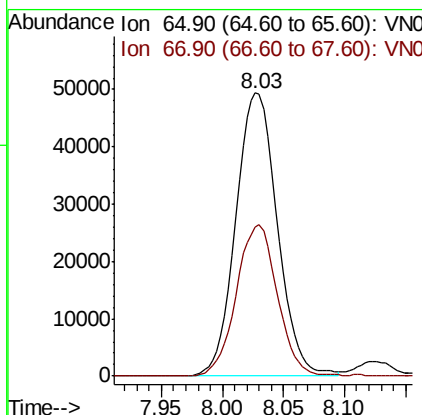
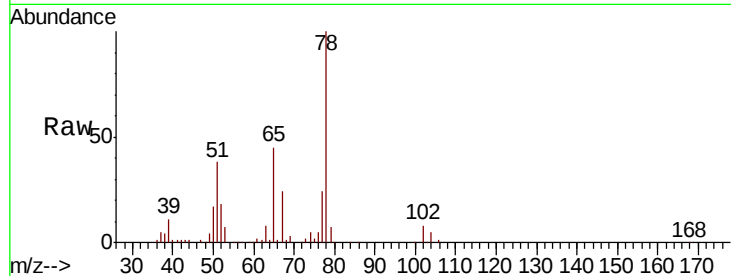




#33
 1,2-Dichloroethane-d4
 Concen: 21.101 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

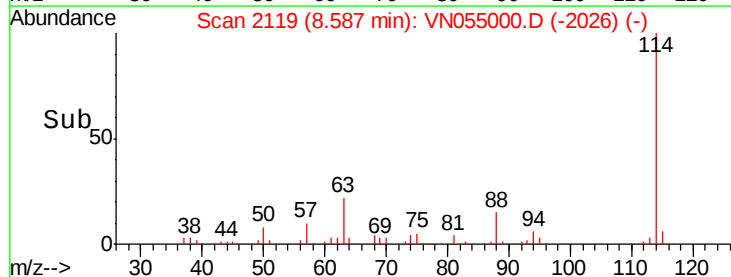
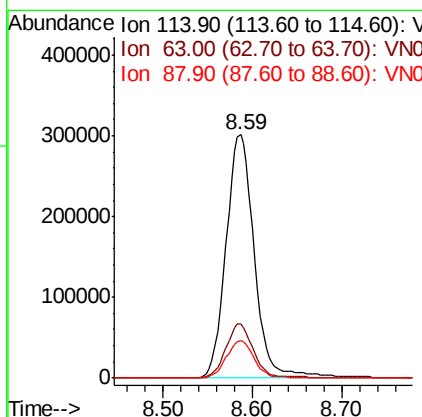
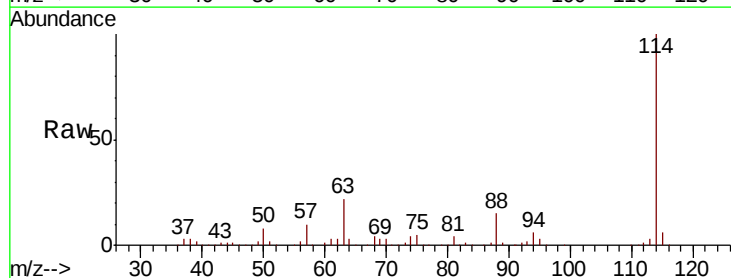
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

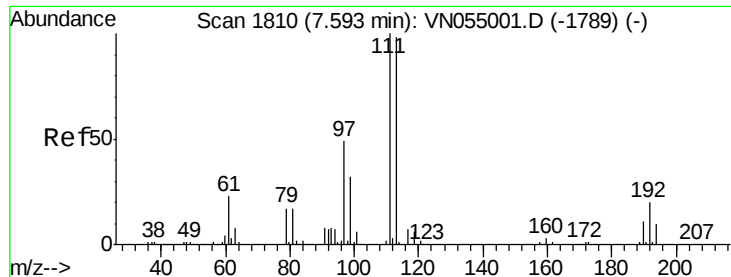
Tot Ion: 65 Resp: 116317
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

Tgt Ion: 114 Resp: 661295
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 45.2
 88 15.3 0.0 31.8

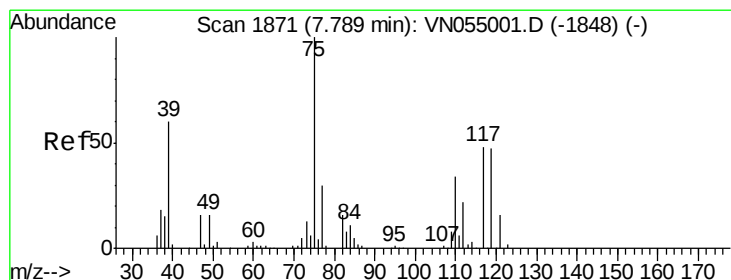
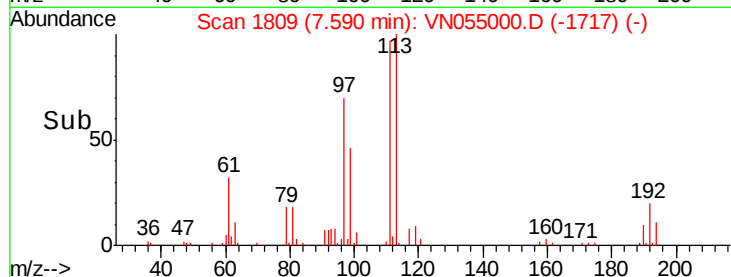
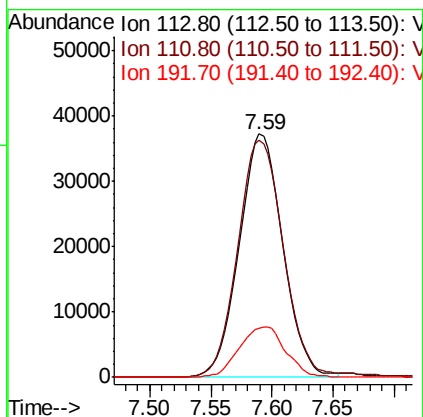
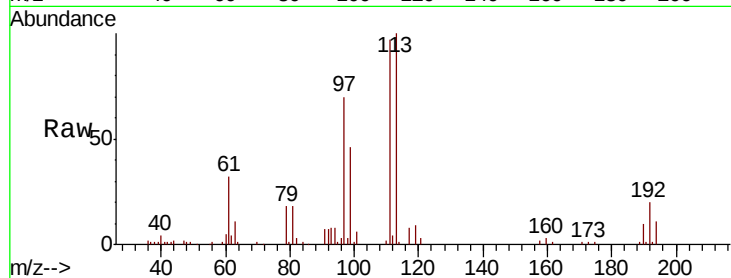




#35
 Dibromofluoromethane
 Concen: 21.433 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

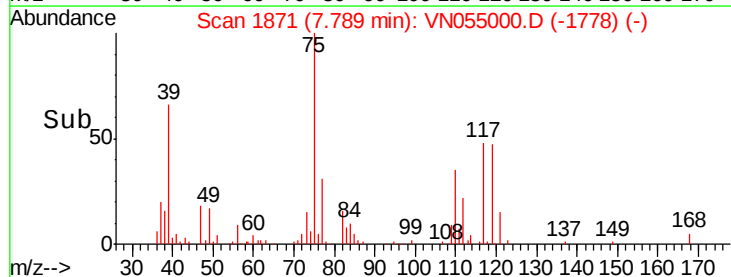
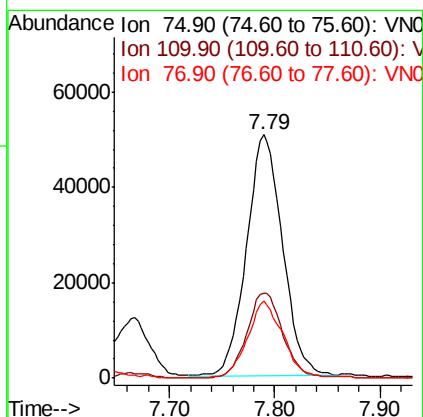
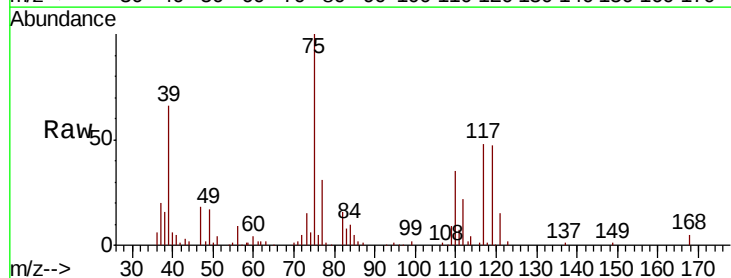
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

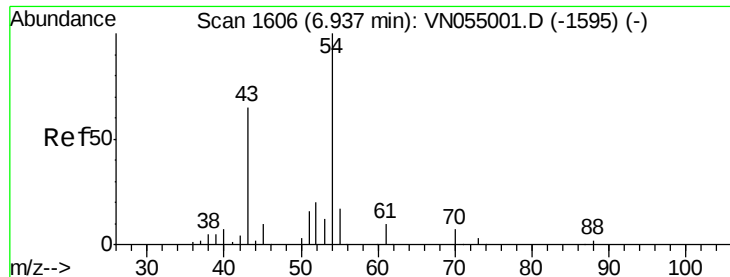
Tot Ion:113 Resp: 92248
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.1 123.1
 192 22.0 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 18.685 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

Tgt Ion: 75 Resp: 120687
 Ion Ratio Lower Upper
 75 100
 110 35.2 17.5 52.5
 77 31.4 24.9 37.3

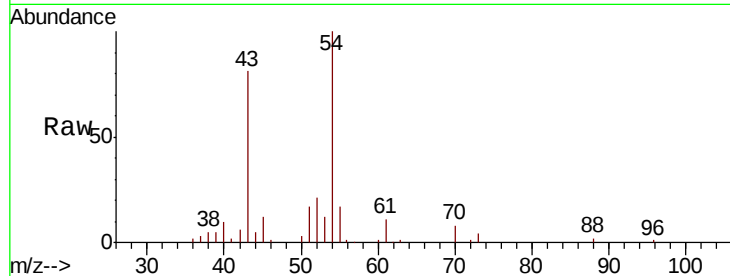




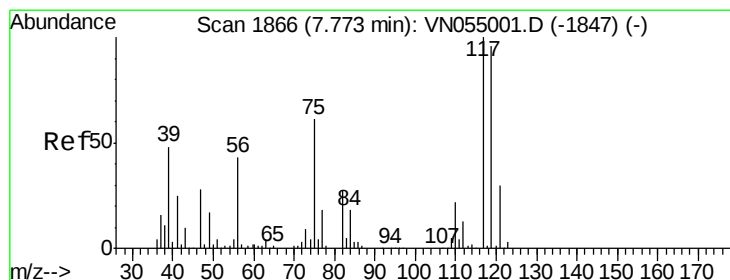
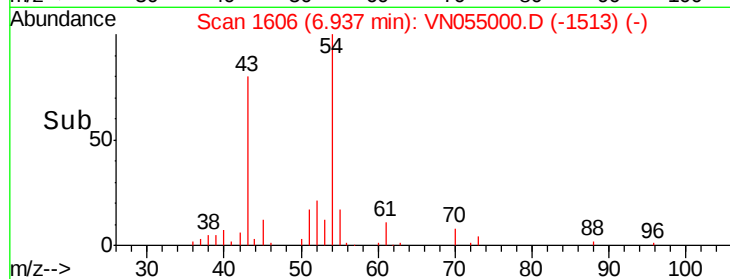
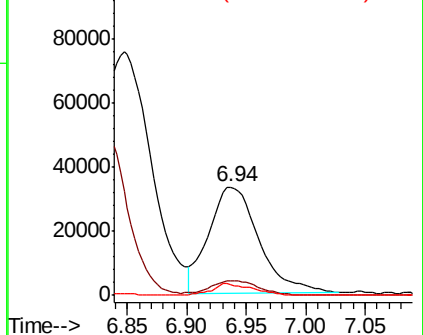
#37
Ethyl Acetate
Concen: 21.322 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 96793
Ion Ratio Lower Upper
43 100
61 12.3 10.0 15.0
70 8.8 7.1 10.7

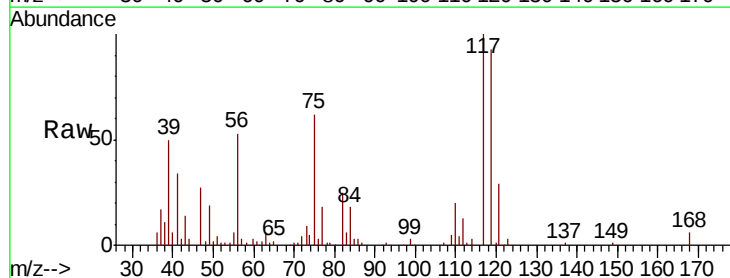


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

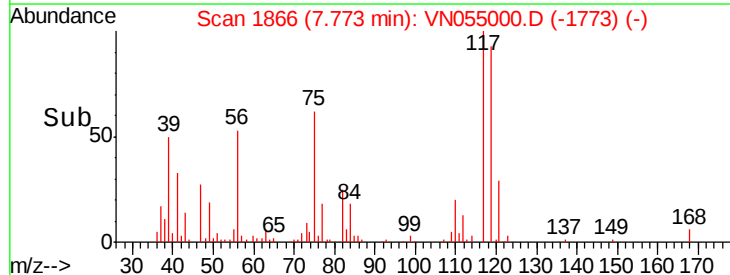
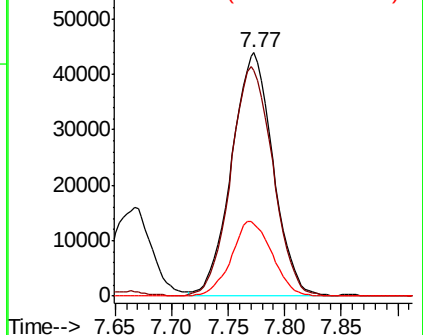


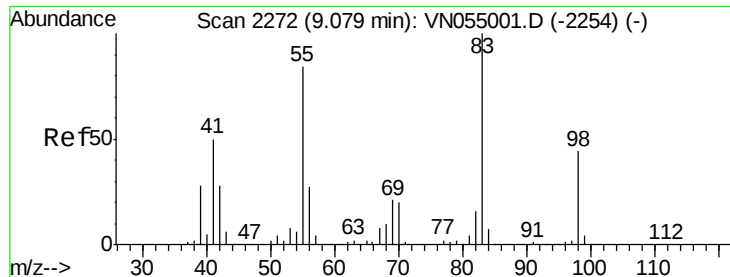
#38
Carbon Tetrachloride
Concen: 17.867 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion: 117 Resp: 111074
Ion Ratio Lower Upper
117 100
119 93.1 76.3 114.5
121 29.6 23.9 35.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

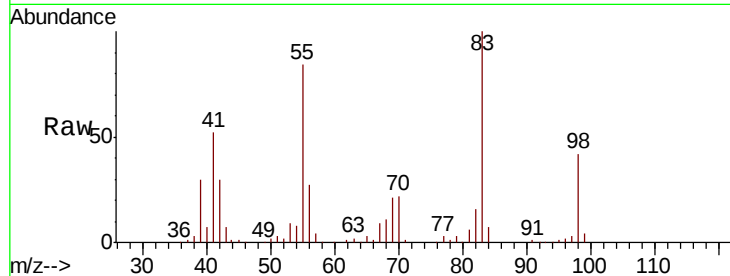




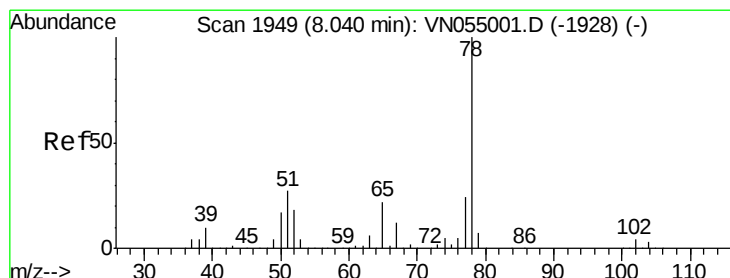
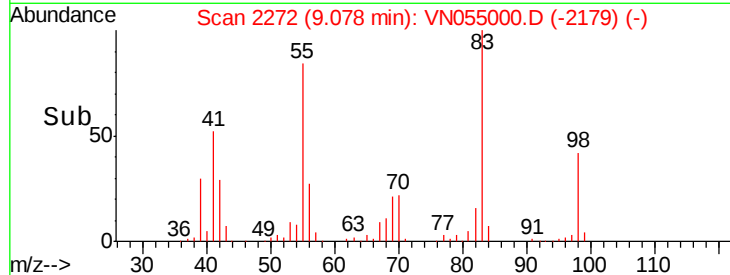
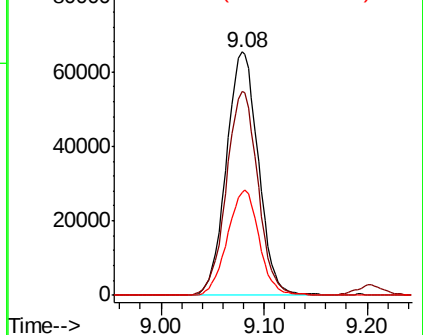
#39
Methvlcvclohexane
Concen: 19.795 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 140879
Ion Ratio Lower Upper
83 100
55 84.0 67.0 100.4
98 42.4 35.6 53.4

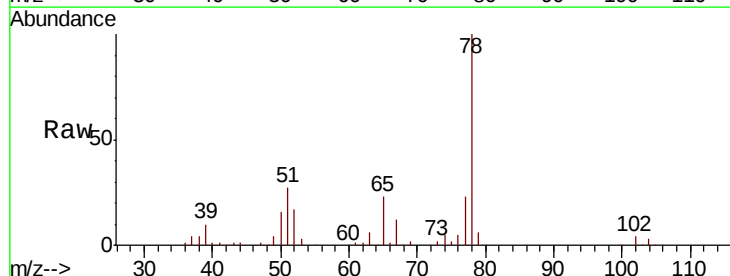


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

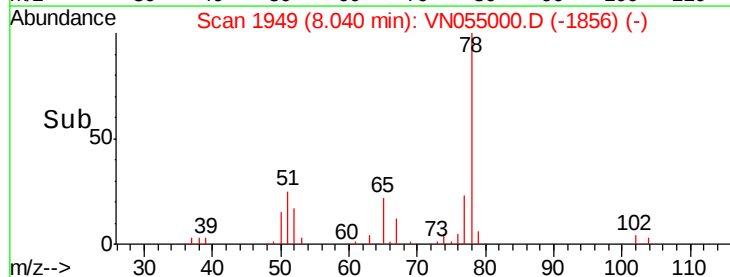
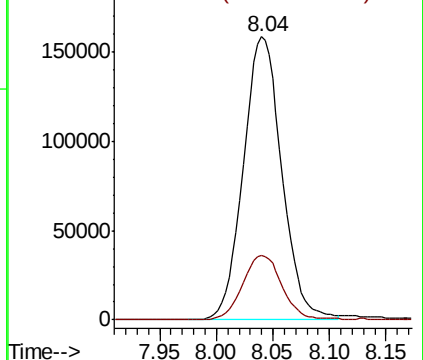


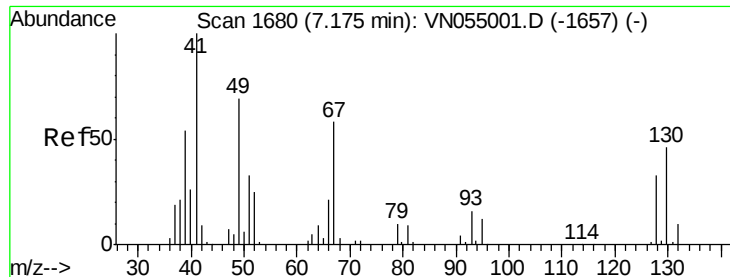
#40
Benzene
Concen: 20.087 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion: 78 Resp: 375499
Ion Ratio Lower Upper
78 100
77 22.7 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

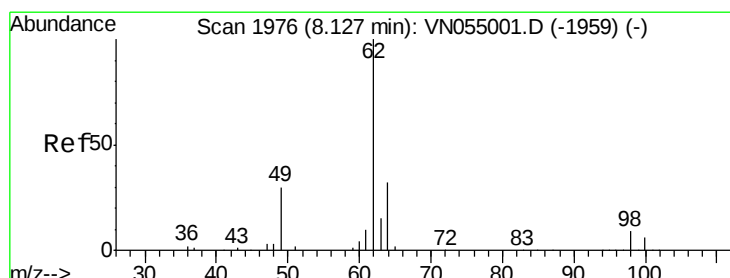
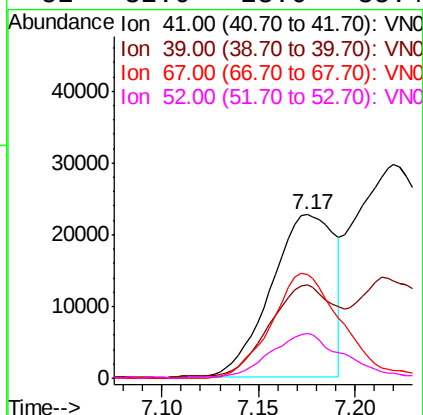
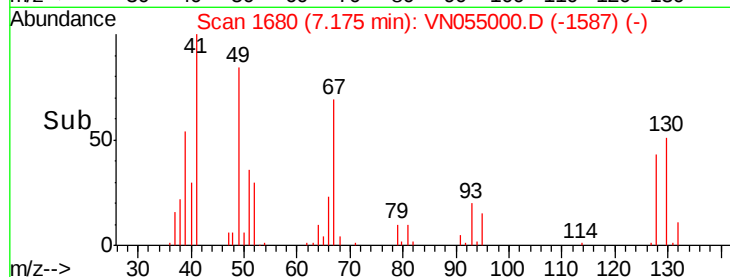
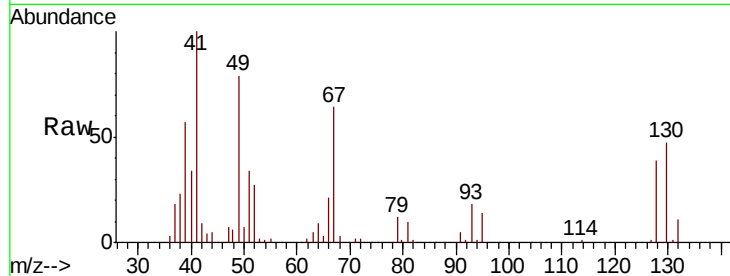




#41
Methacrylonitrile
Concen: 20.086 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

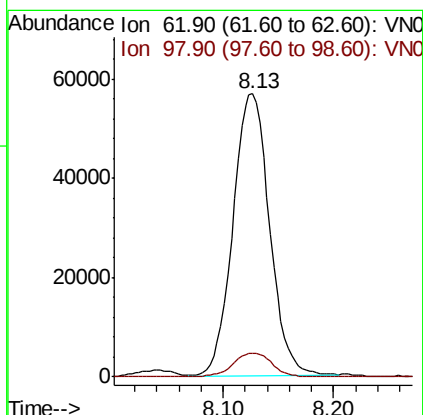
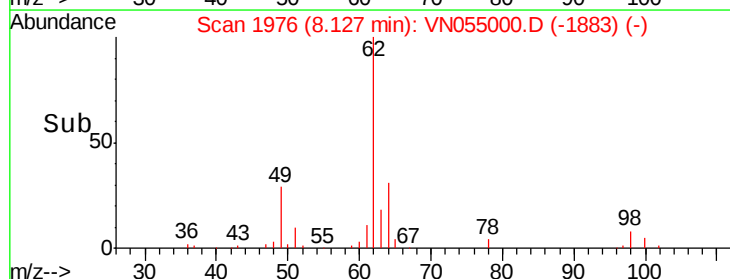
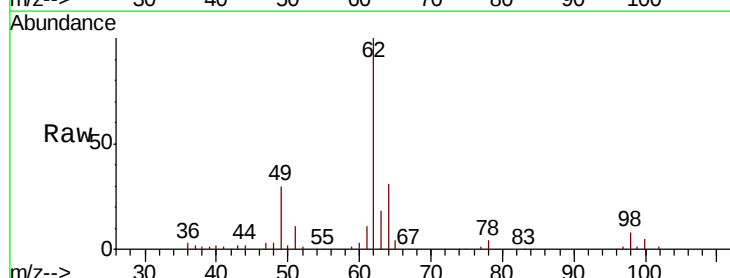
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

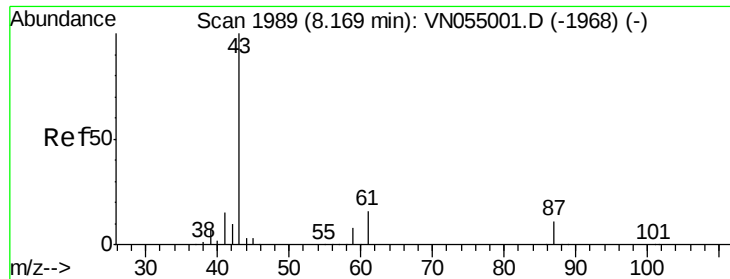
Tot Ion:	41	Resp:	51980
Ion	Ratio	Lower	Upper
41	100		
39	61.0	45.6	68.4
67	72.5	57.0	85.6
52	32.0	23.6	35.4



#42
1,2-Dichloroethane
Concen: 19.877 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion:	62	Resp:	130838
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.4





#43

Isopropyl Acetate

Concen: 20.259 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

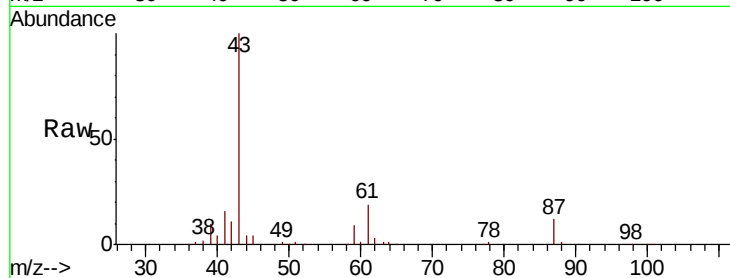
Tot Ion: 43 Resp: 154746

Ion Ratio Lower Upper

43 100

61 18.2 14.3 21.5

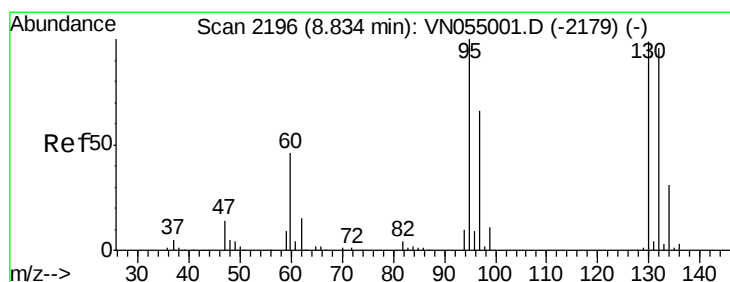
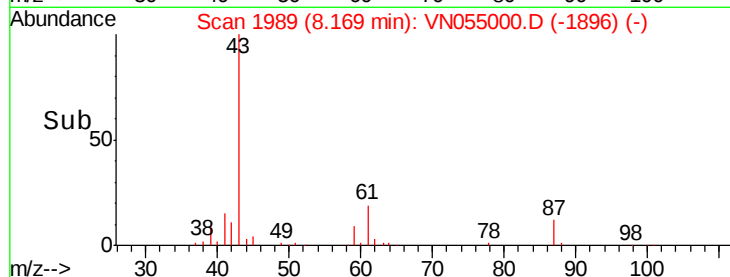
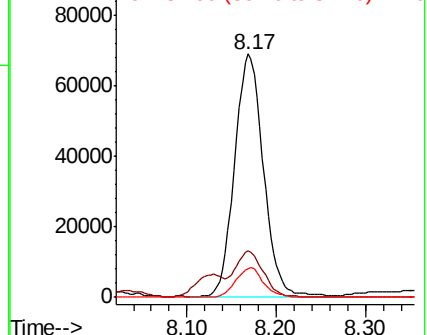
87 11.6 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055000.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN055000.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN055000.D (-1896) (-)



#44

Trichloroethene

Concen: 19.629 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055000.D

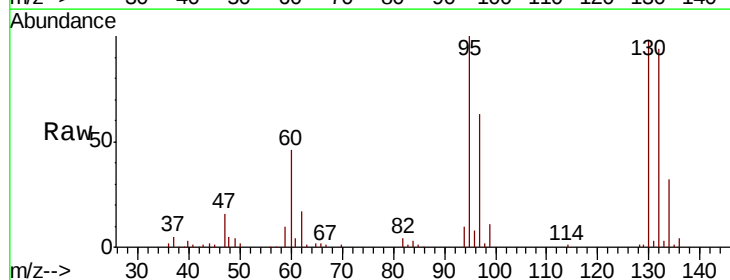
Acq: 12 Apr 2019 15:39

Tgt Ion:130 Resp: 93907

Ion Ratio Lower Upper

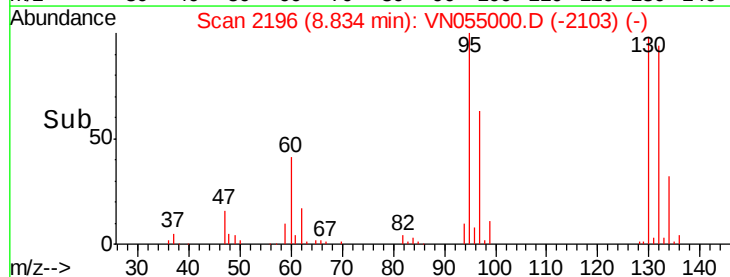
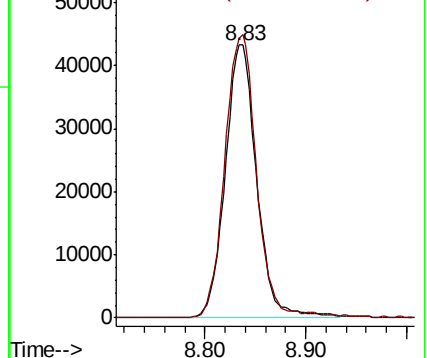
130 100

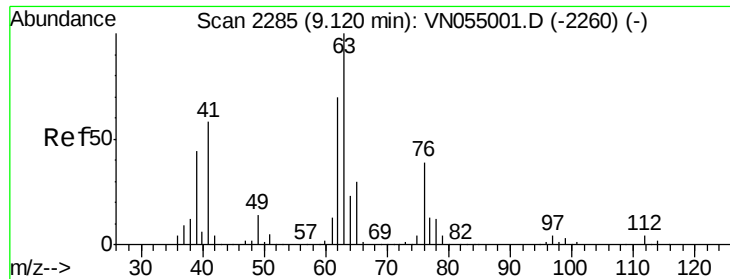
95 102.3 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VN055000.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN055000.D (-2103) (-)

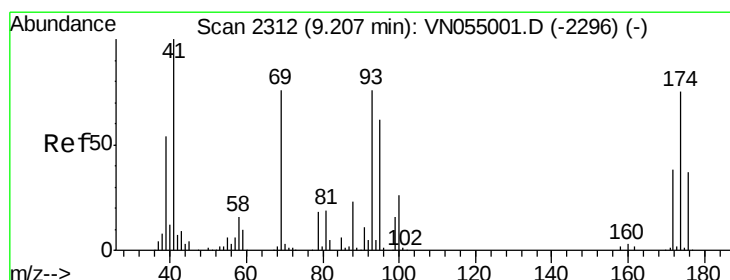
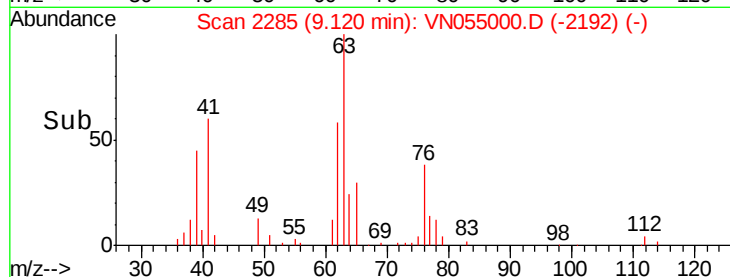
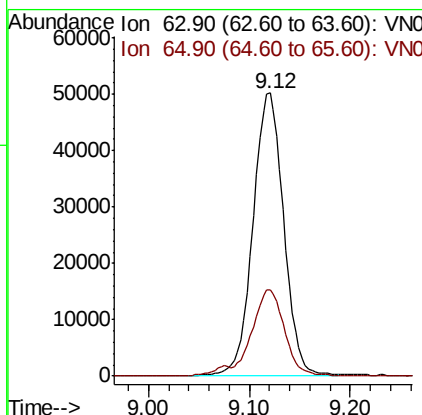
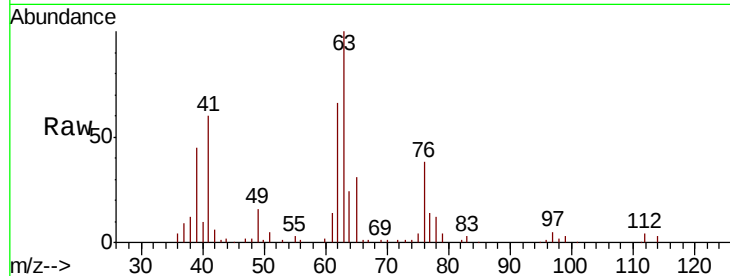




#45
 1,2-Dichloropropane
 Concen: 20.389 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

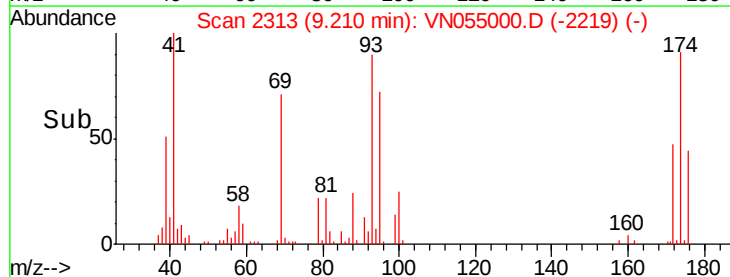
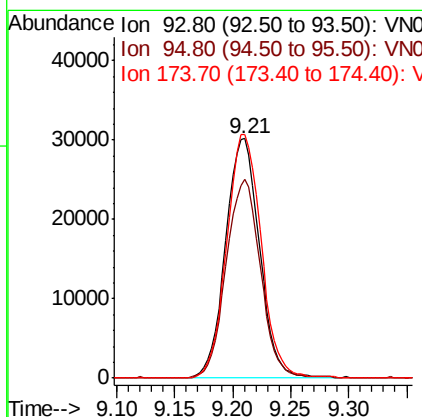
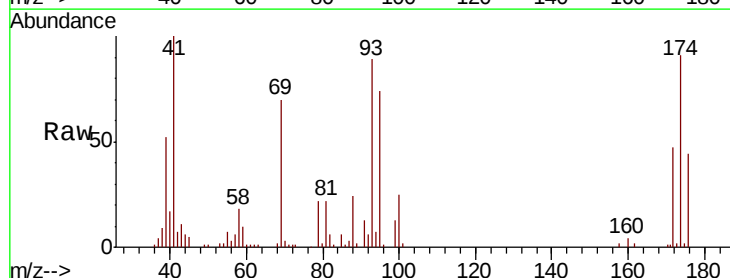
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

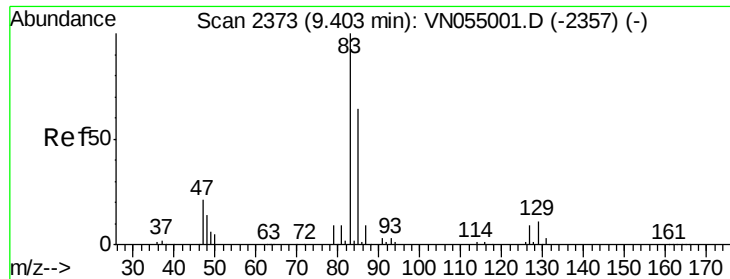
Tot Ion: 63 Resp: 106219
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.4 36.6



#46
 Dibromomethane
 Concen: 20.535 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

Tgt Ion: 93 Resp: 61170
 Ion Ratio Lower Upper
 93 100
 95 83.9 65.0 97.6
 174 103.2 81.0 121.6





#47

Bromodichloromethane

Concen: 19.690 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

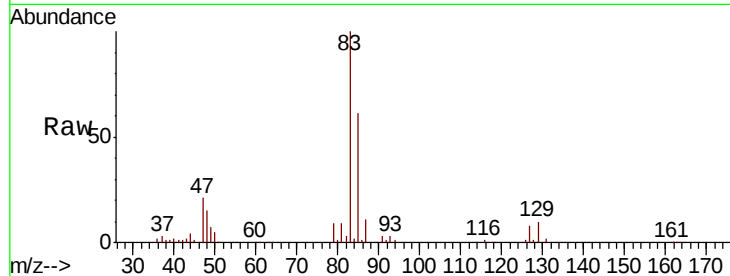
Tot Ion: 83 Resp: 122257

Ion Ratio Lower Upper

83 100

85 61.4 51.2 76.8

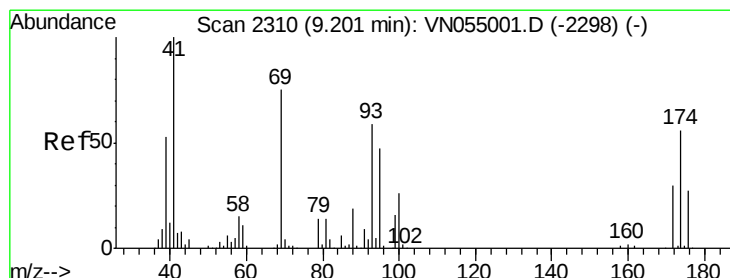
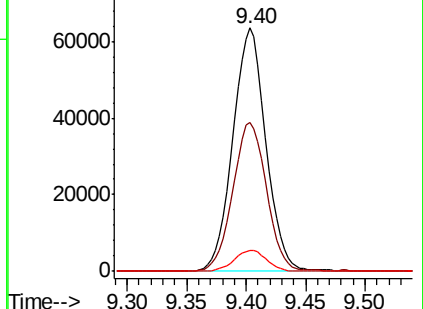
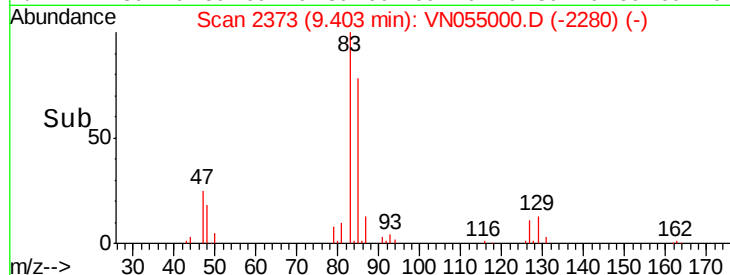
127 8.4 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN055000.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055000.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055000.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.416 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

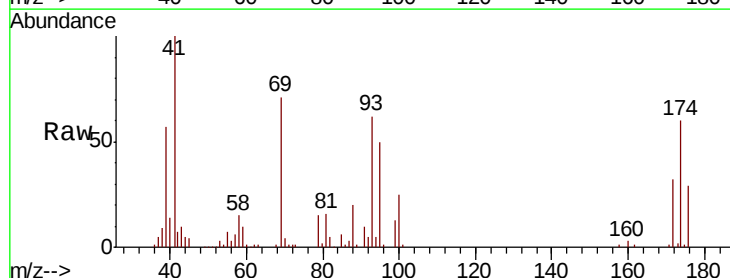
Tgt Ion: 41 Resp: 78403

Ion Ratio Lower Upper

41 100

69 73.9 60.5 90.7

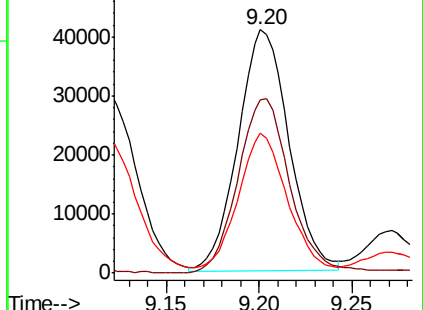
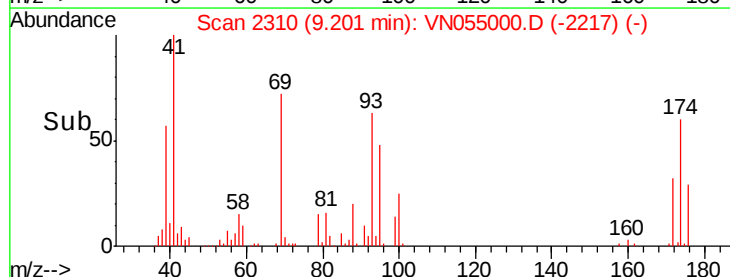
39 55.4 43.9 65.9

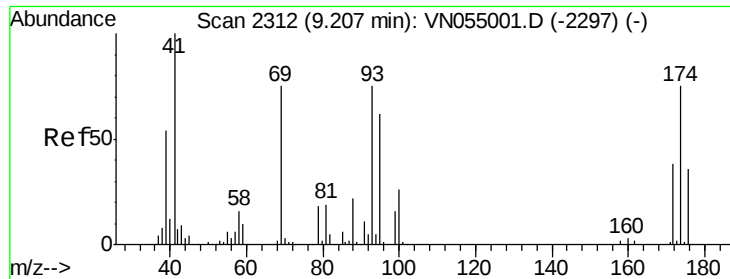


Abundance Ion 41.00 (40.70 to 41.70): VN055000.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055000.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055000.D (-2217) (-)





#49

1,4-Dioxane

Concen: 467.147 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

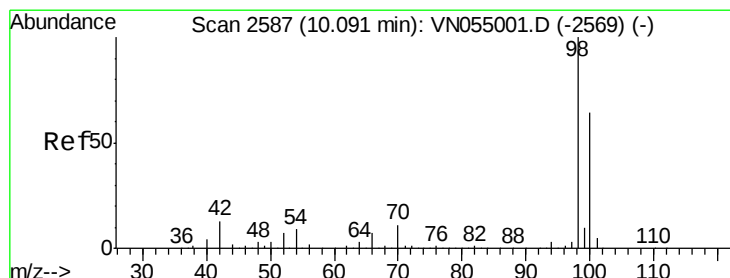
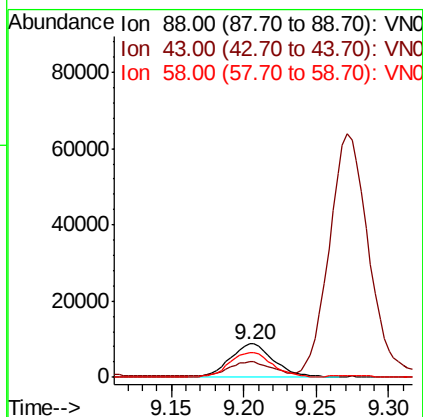
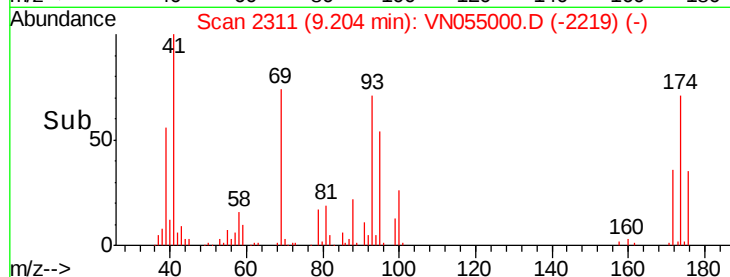
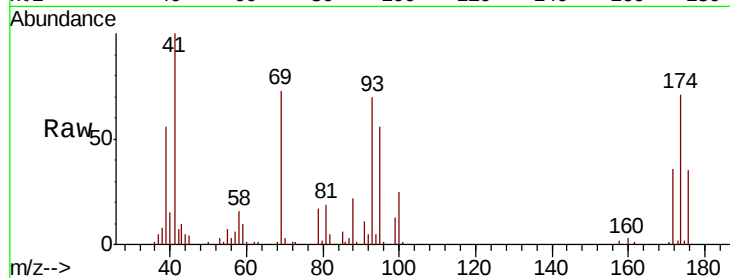
Tot Ion: 88 Resp: 18466

Ion Ratio Lower Upper

88 100

43 41.0 31.8 47.8

58 72.8 61.6 92.4



#50

Toluene-d8

Concen: 20.996 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055000.D

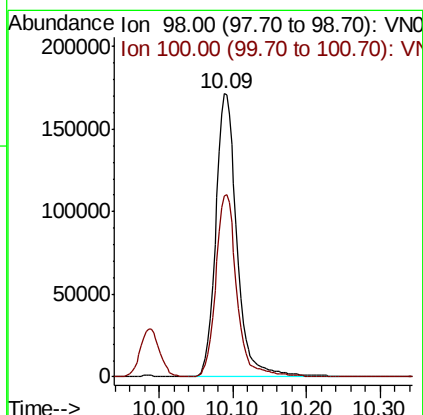
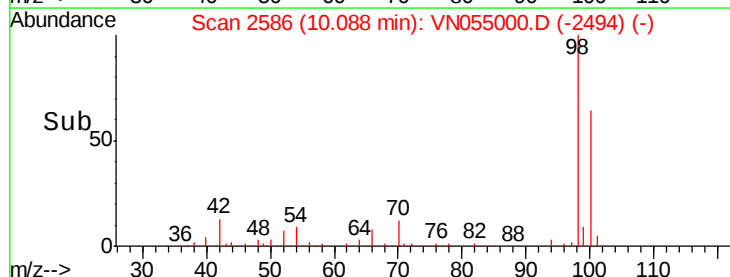
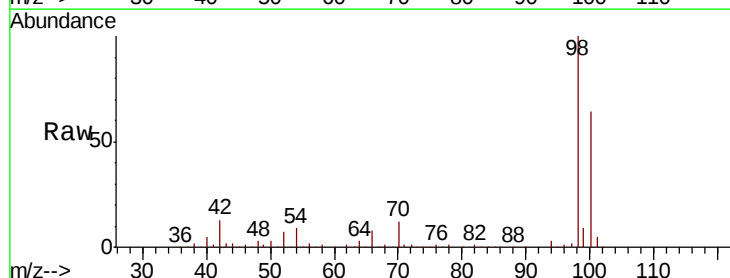
Acq: 12 Apr 2019 15:39

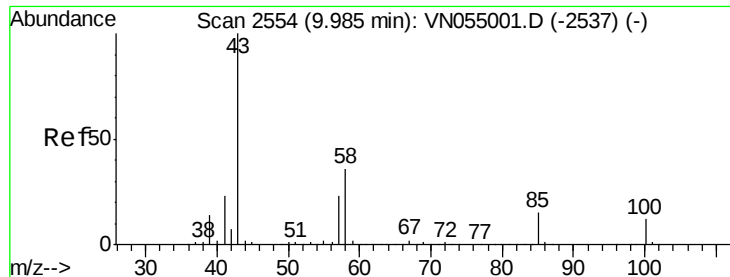
Tgt Ion: 98 Resp: 341473

Ion Ratio Lower Upper

98 100

100 63.6 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 106.705 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

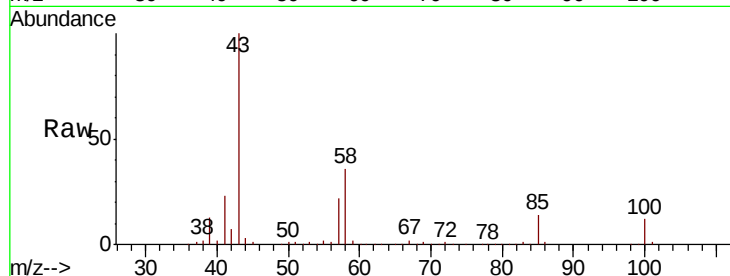
VSTDIC020

Tot Ion: 43 Resp: 457202

Ion Ratio Lower Upper

43 100

58 35.6 29.0 43.4



Abundance Ion 43.00 (42.70 to 43.70): VN055000.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055000.D (-2537) (-)

9.99

250000

200000

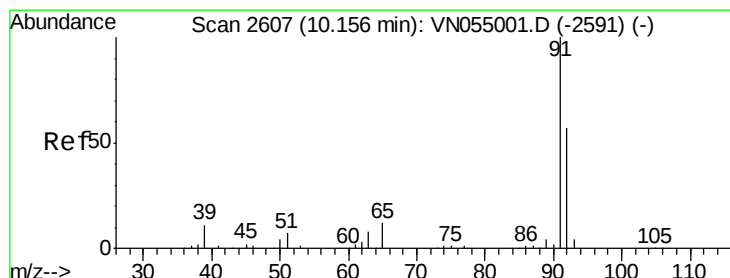
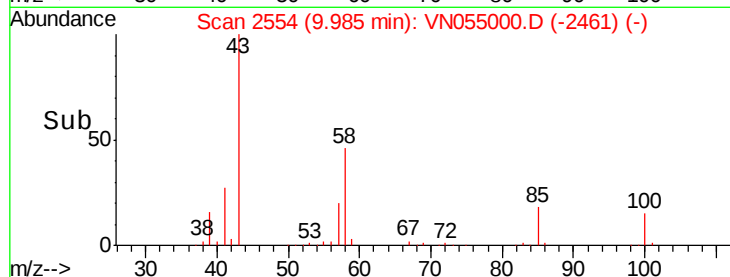
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.432 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055000.D

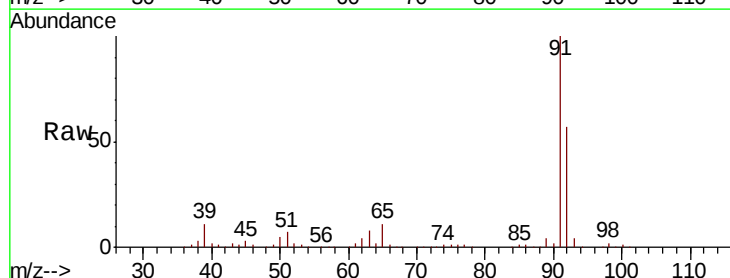
Acq: 12 Apr 2019 15:39

Tgt Ion: 92 Resp: 224751

Ion Ratio Lower Upper

92 100

91 174.3 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VN055000.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN055000.D (-2514) (-)

10.16

200000

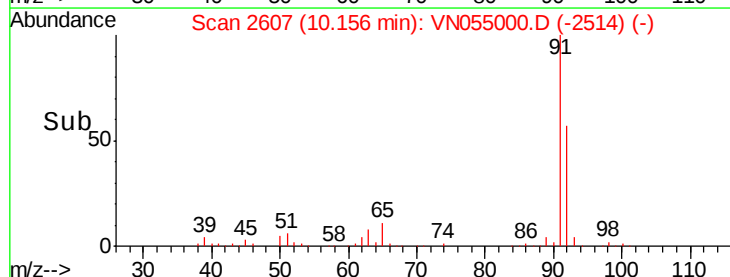
150000

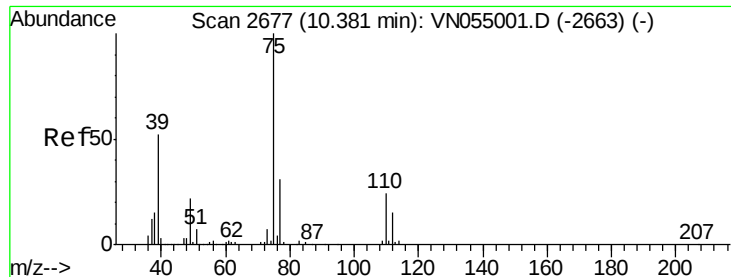
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.371 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

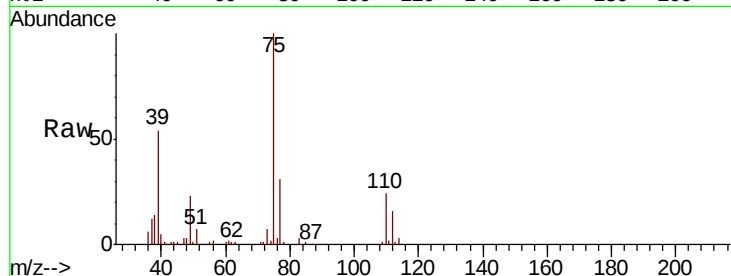
VSTDIC020

Tot Ion: 75 Resp: 104668

Ion Ratio Lower Upper

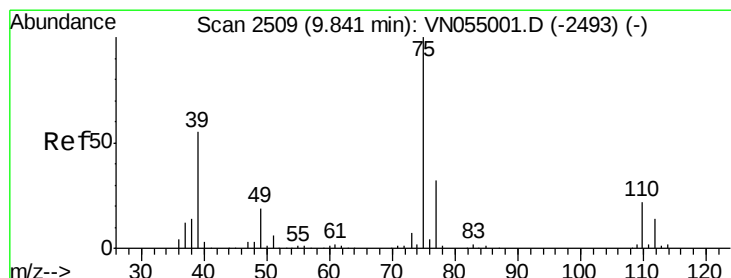
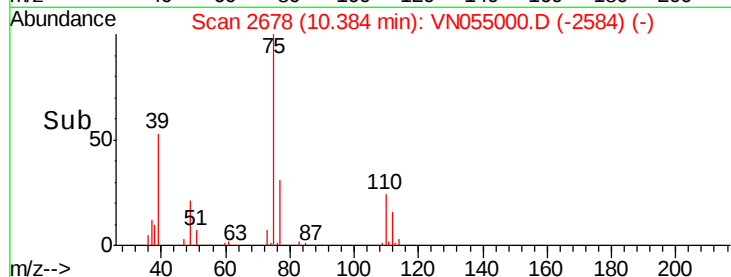
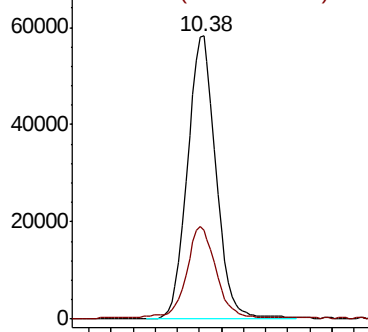
75 100

77 30.7 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.673 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

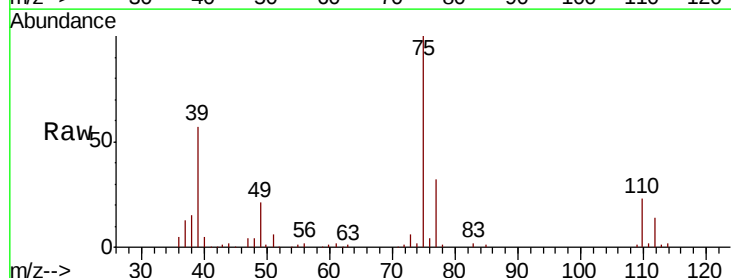
Tgt Ion: 75 Resp: 137156

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.6

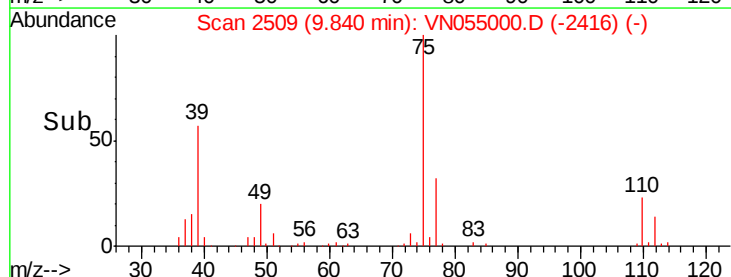
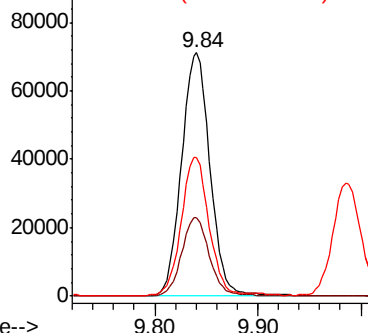
39 56.7 43.8 65.8

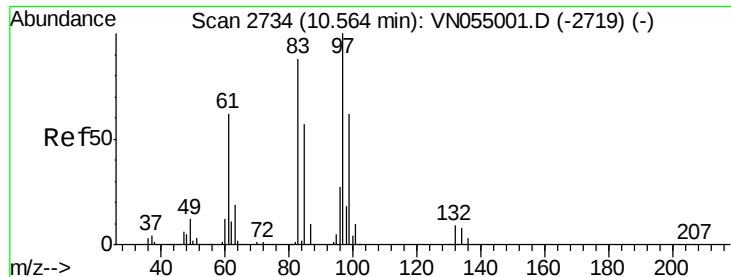


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



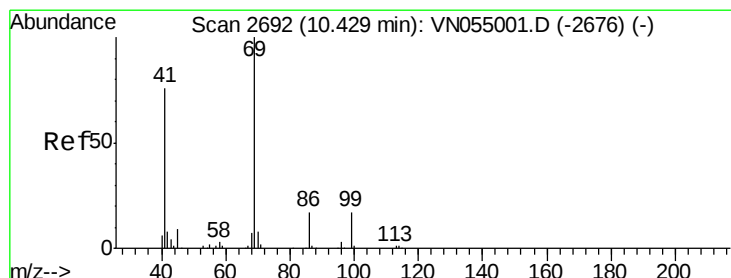
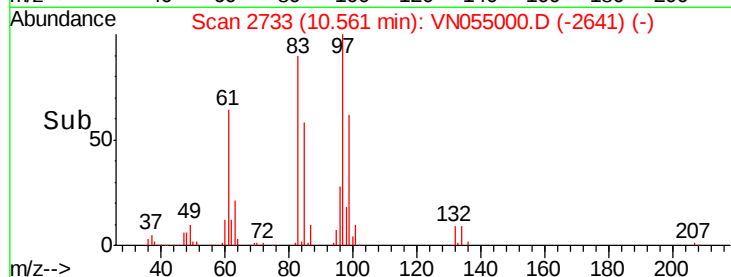
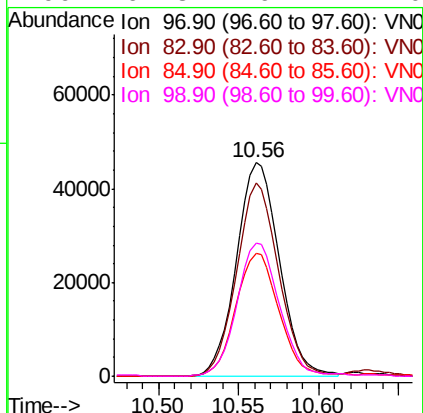
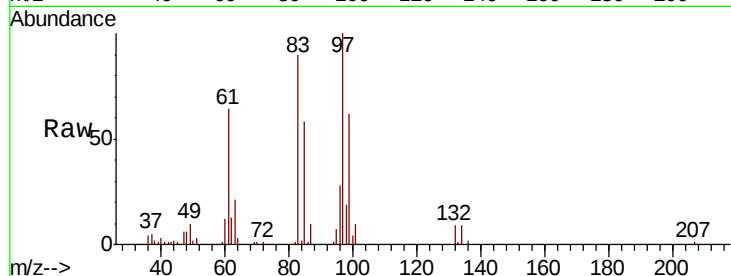


#55
 1,1,2-Trichloroethane
 Concen: 20.720 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 97 Resp: 83436

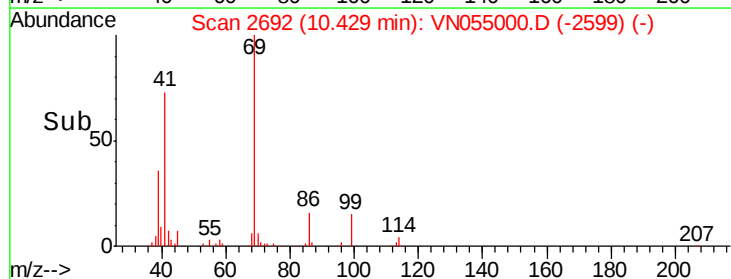
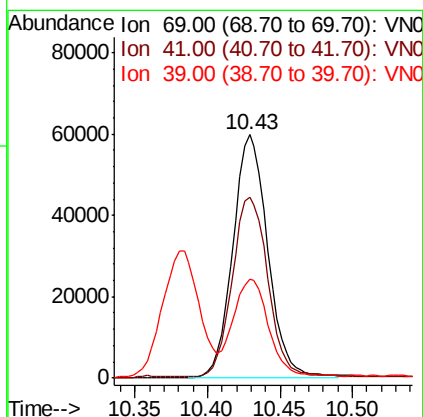
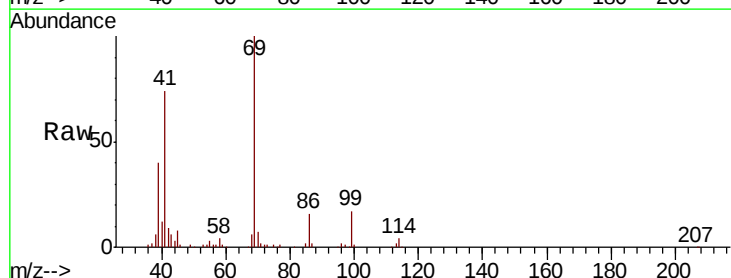
Ion	Ratio	Lower	Upper
97	100		
83	90.3	70.5	105.7
85	57.8	45.5	68.3
99	62.3	49.4	74.0

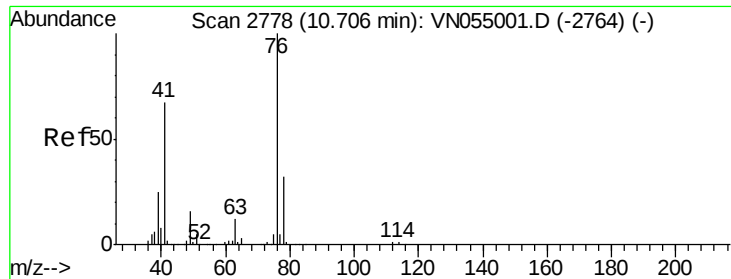


#56
 Ethyl methacrylate
 Concen: 19.197 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

Tgt Ion: 69 Resp: 100673

Ion	Ratio	Lower	Upper
69	100		
41	75.6	61.4	92.0
39	39.8	30.8	46.2





#57

1,3-Dichloropropane

Concen: 20.910 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

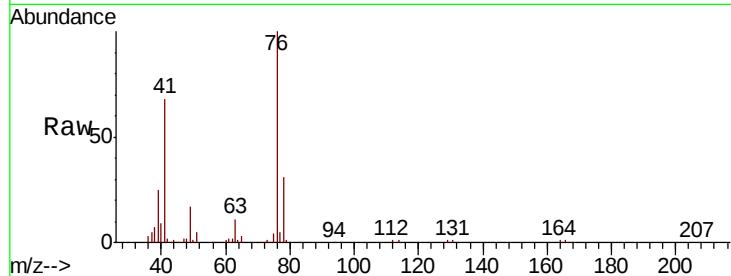
VSTDIC020

Tot Ion: 76 Resp: 146945

Ion Ratio Lower Upper

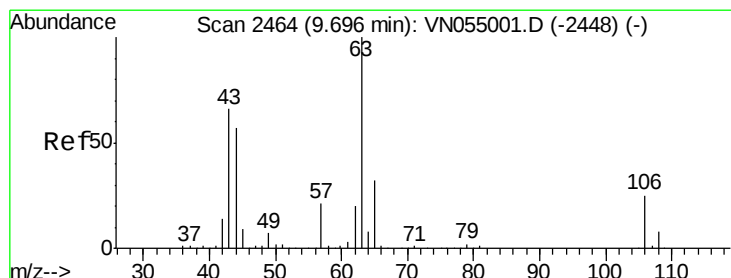
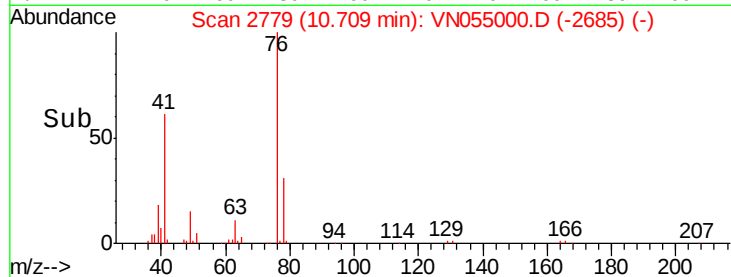
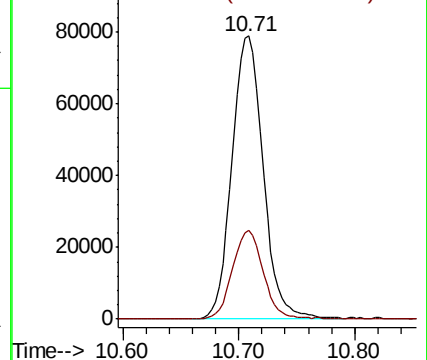
76 100

78 30.9 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: 94.128 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN055000.D

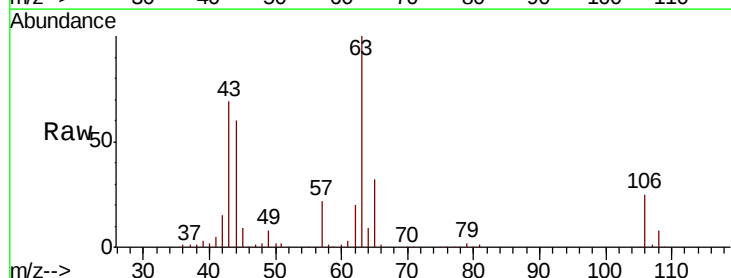
Acq: 12 Apr 2019 15:39

Tgt Ion: 63 Resp: 194013

Ion Ratio Lower Upper

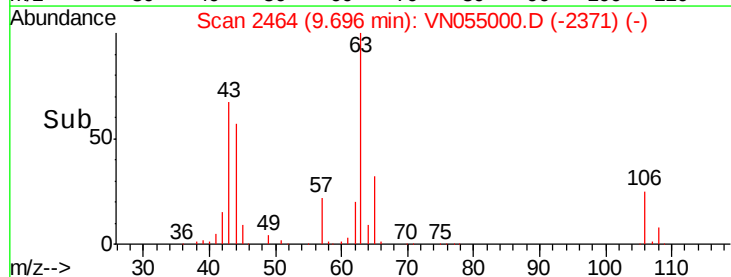
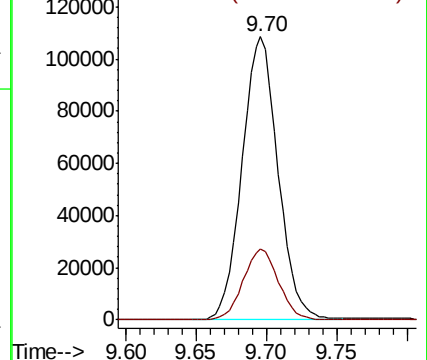
63 100

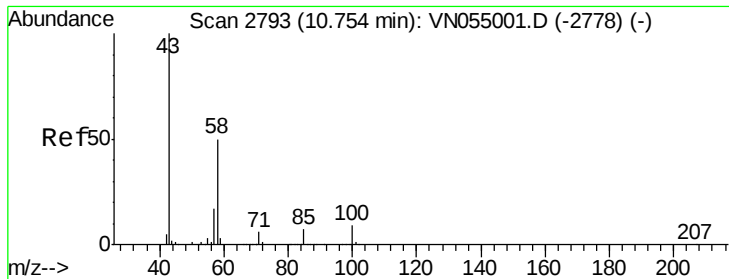
106 24.6 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

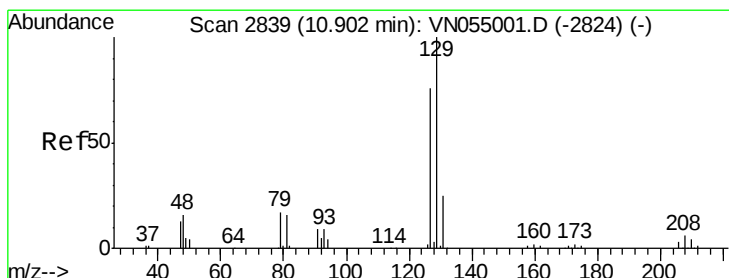
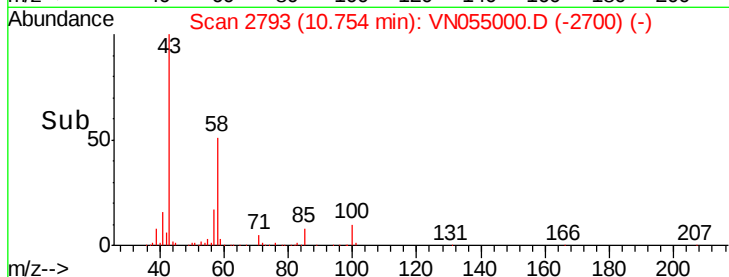
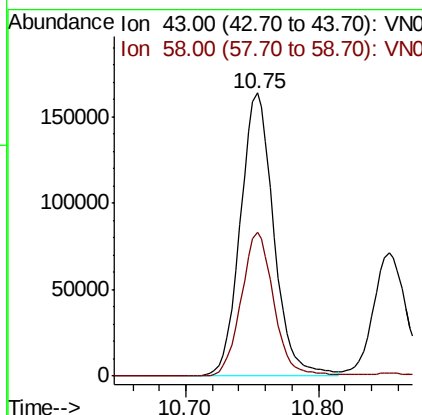
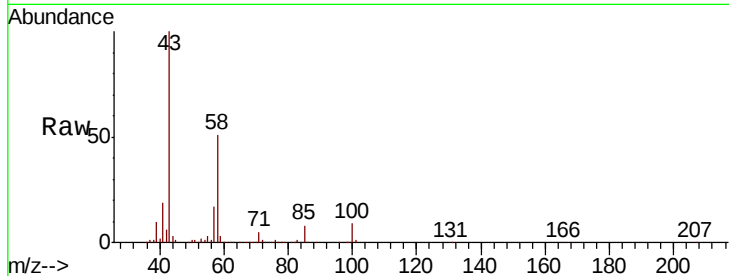




#59
2-Hexanone
Concen: 107.123 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

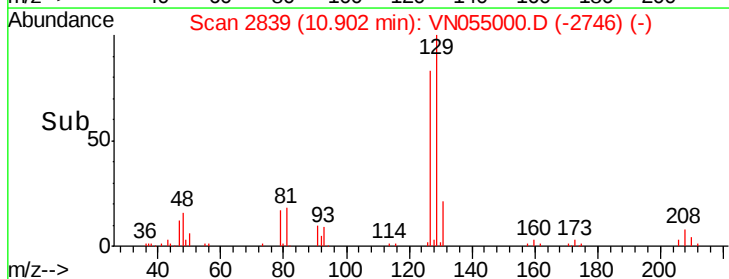
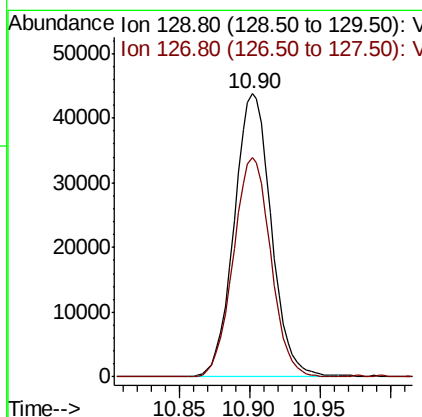
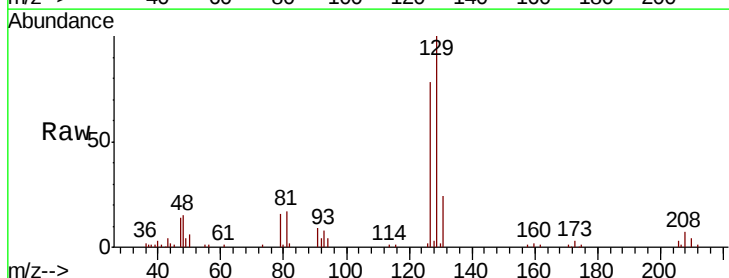
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

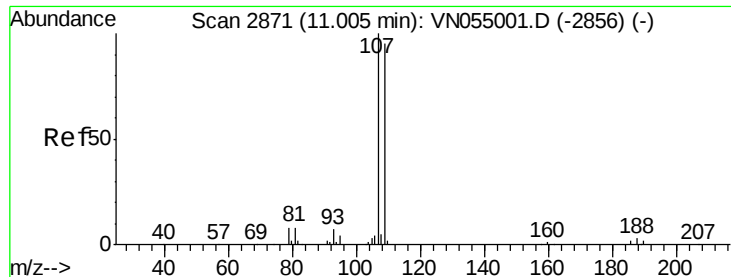
Tot Ion: 43 Resp: 285470
Ion Ratio Lower Upper
43 100
58 50.2 25.1 75.2



#60
Dibromochloromethane
Concen: 19.269 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion: 129 Resp: 80726
Ion Ratio Lower Upper
129 100
127 77.9 38.2 114.6





#61

1,2-Dibromoethane

Concen: 20.317 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

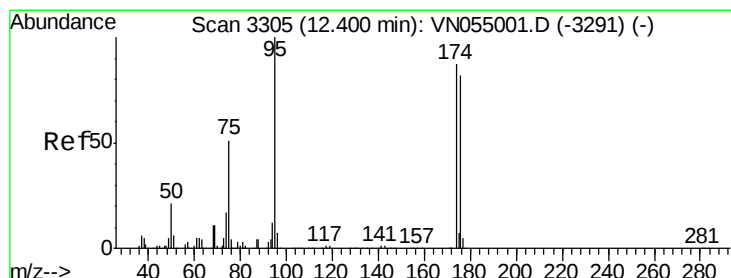
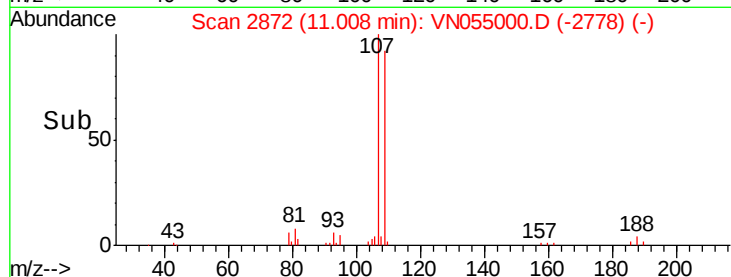
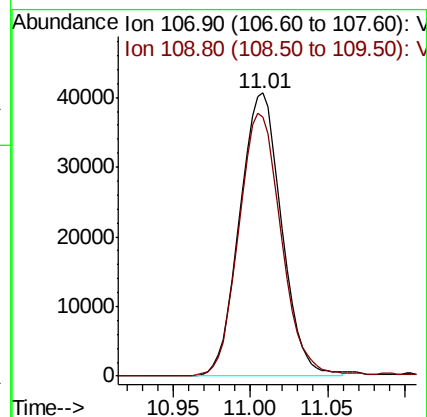
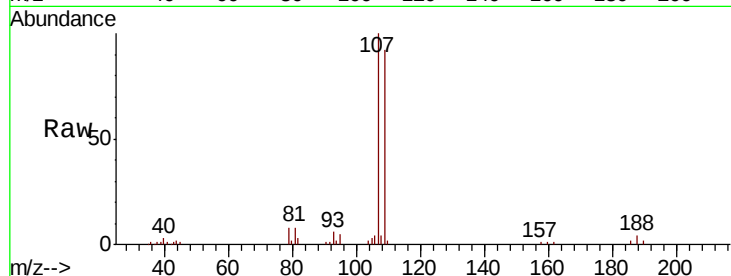
VSTDIC020

Tot Ion:107 Resp: 76713

Ion Ratio Lower Upper

107 100

109 94.4 76.5 114.7



#62

4-Bromofluorobenzene

Concen: 20.259 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

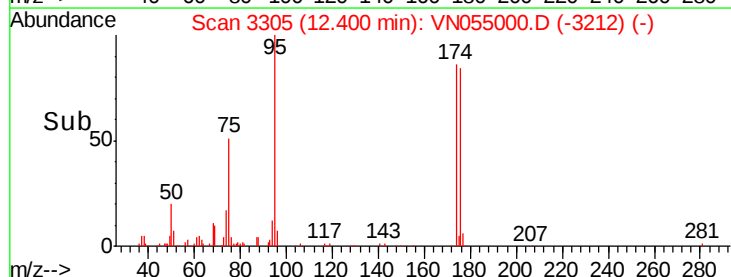
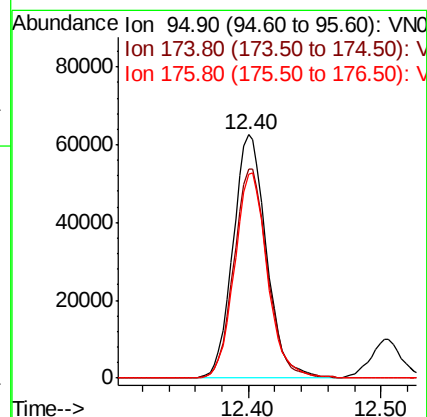
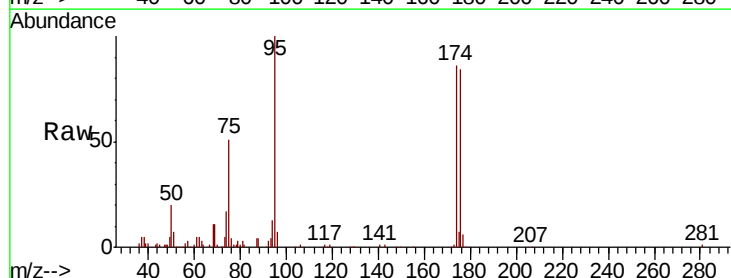
Tgt Ion: 95 Resp: 109655

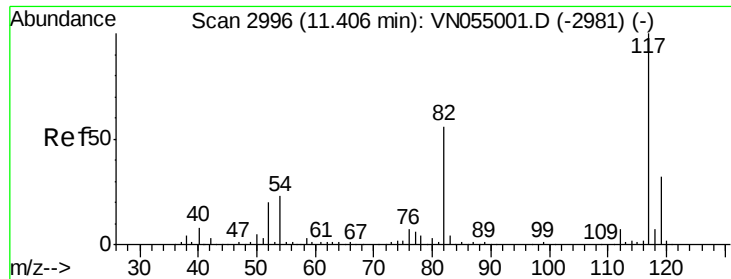
Ion Ratio Lower Upper

95 100

174 86.2 0.0 174.4

176 83.0 0.0 166.8

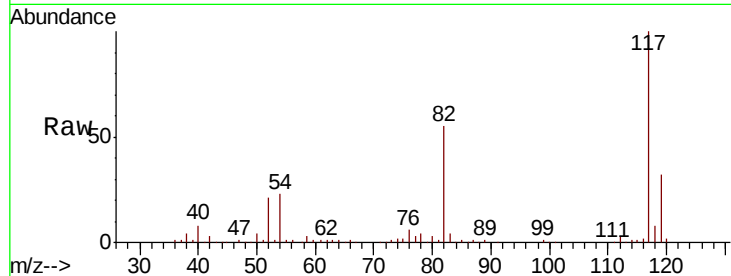




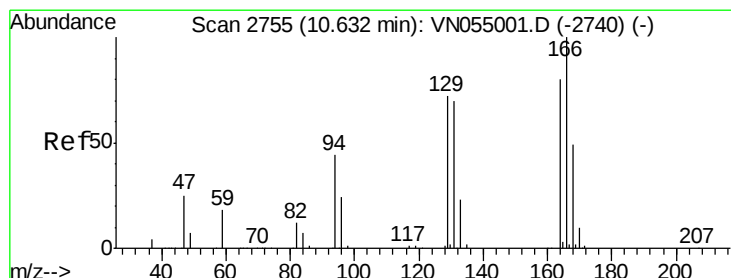
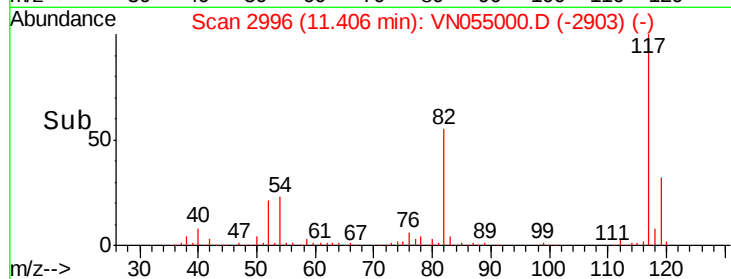
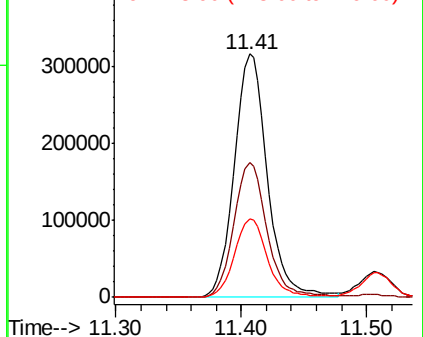
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 581162
Ion Ratio Lower Upper
117 100
82 55.3 44.6 66.8
119 32.0 25.5 38.3

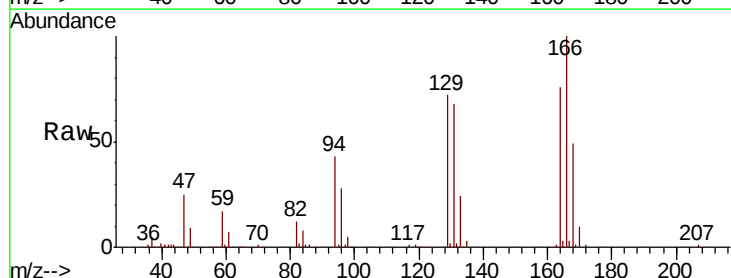


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

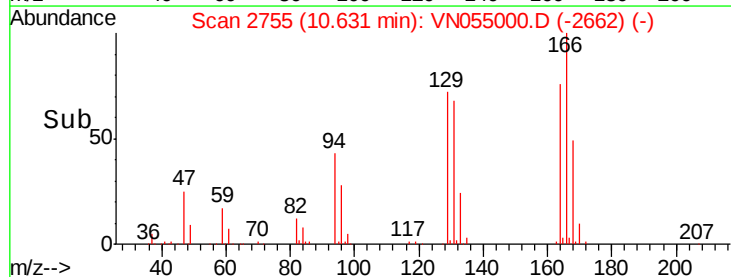
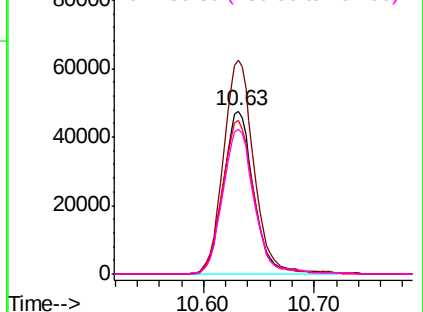


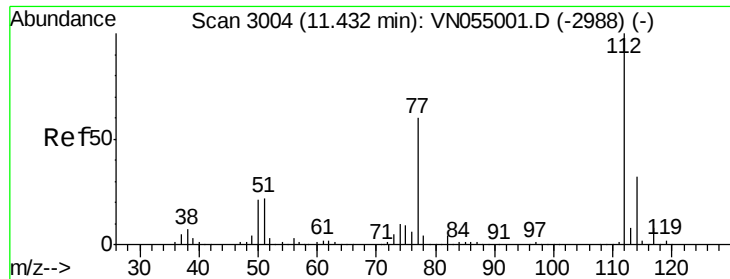
#64
Tetrachloroethene
Concen: 19.640 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion:164 Resp: 91395
Ion Ratio Lower Upper
164 100
166 131.2 100.0 150.0
129 94.2 72.0 108.0
131 89.1 69.7 104.5



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

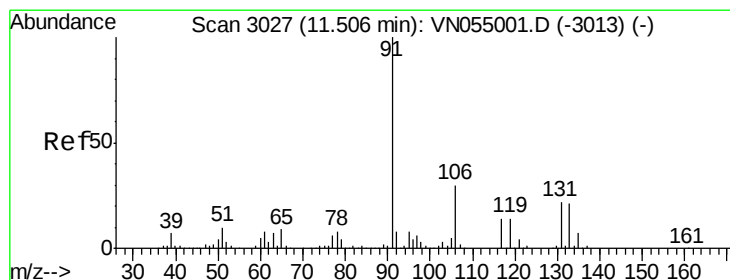
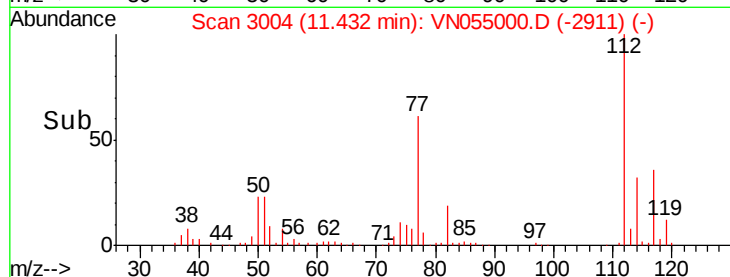
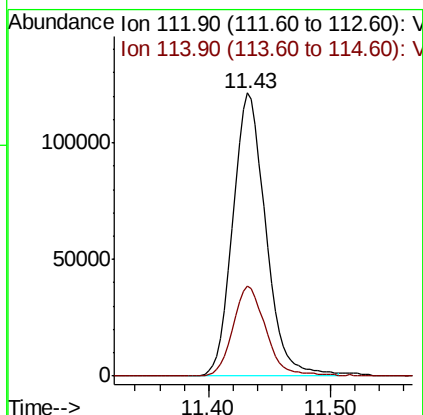
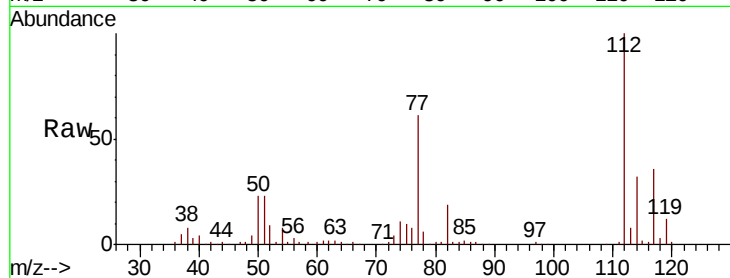




#65
Chlorobenzene
Concen: 19.444 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

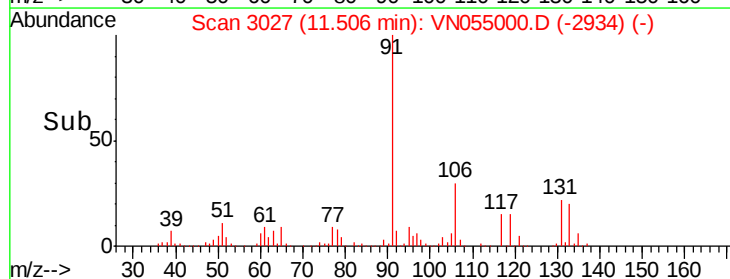
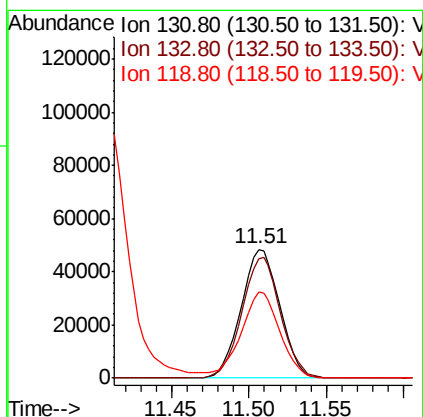
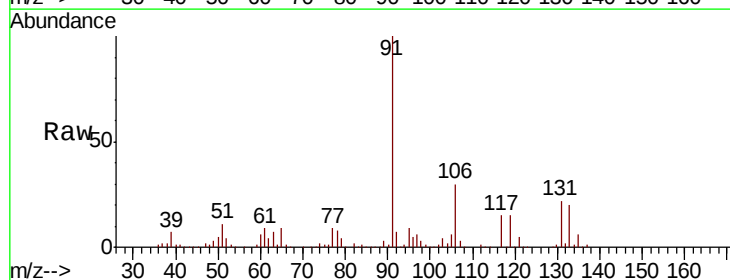
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

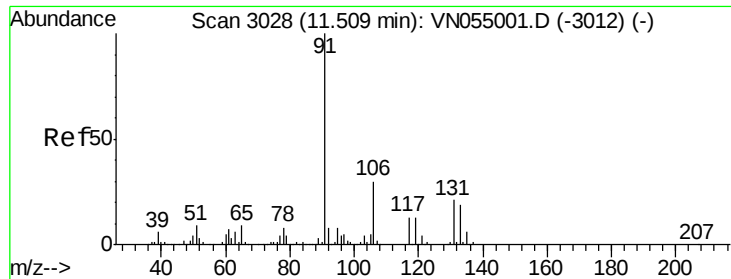
Tot Ion:112 Resp: 227557
Ion Ratio Lower Upper
112 100
114 31.8 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.658 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion:131 Resp: 84246
Ion Ratio Lower Upper
131 100
133 93.4 47.8 143.3
119 67.5 33.6 100.6

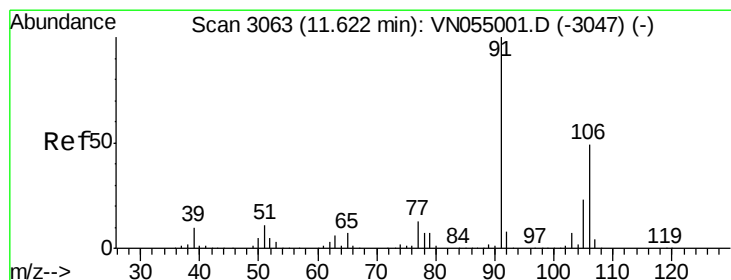
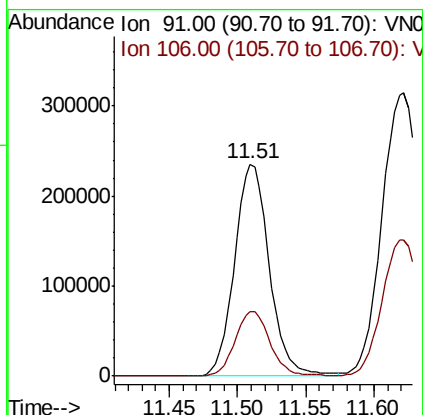
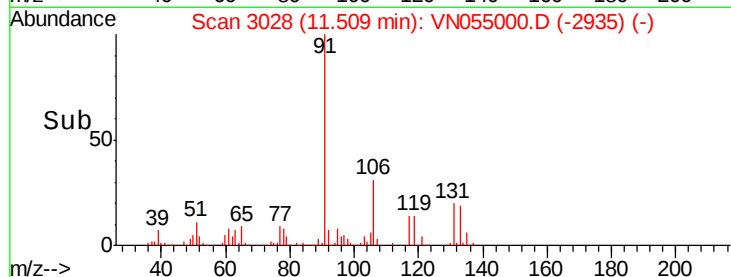
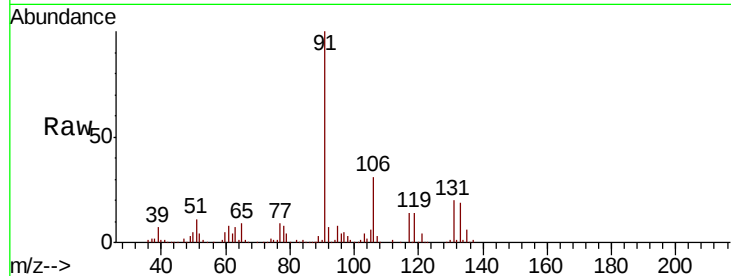




#67
Ethyl Benzene
Concen: 19.798 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

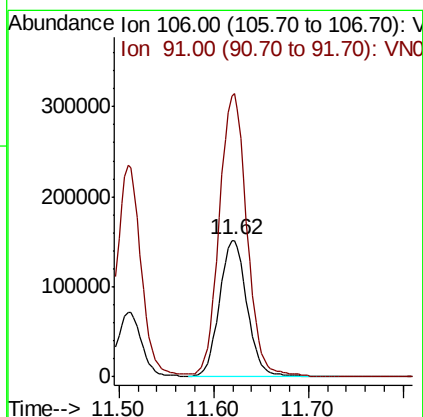
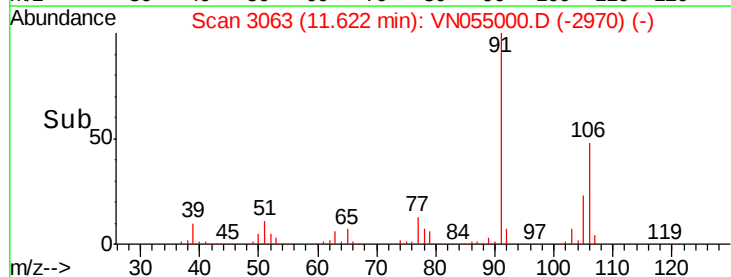
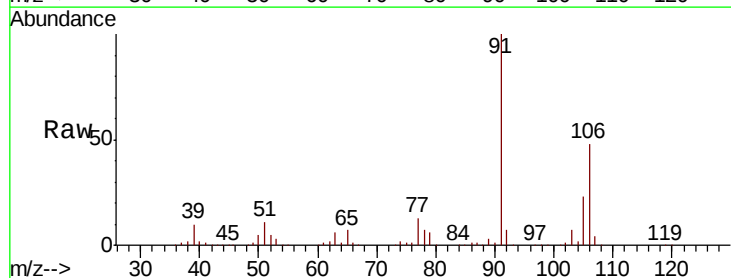
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

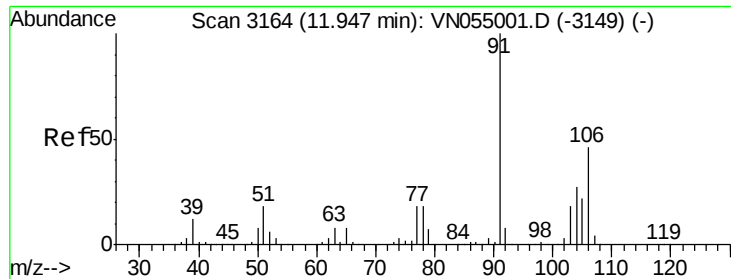
Tot Ion: 91 Resp: 417520
Ion Ratio Lower Upper
91 100
106 30.7 24.3 36.5



#68
m/p-Xylenes
Concen: 40.007 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion: 106 Resp: 308730
Ion Ratio Lower Upper
106 100
91 207.7 165.9 248.9

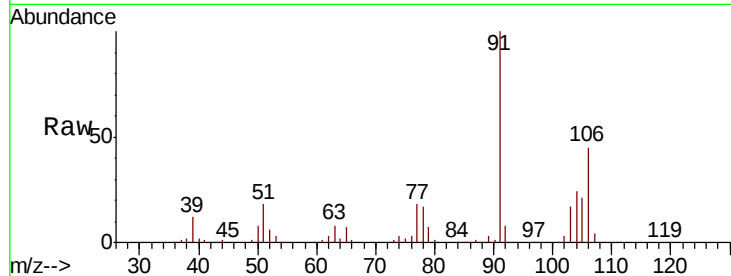




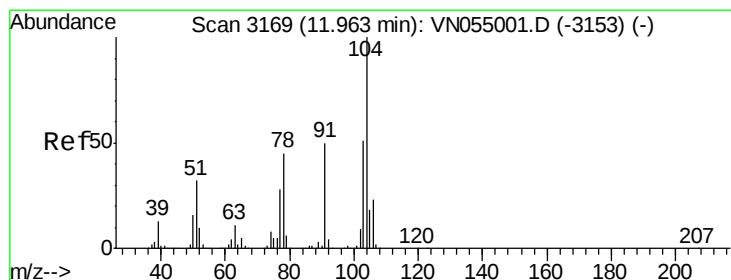
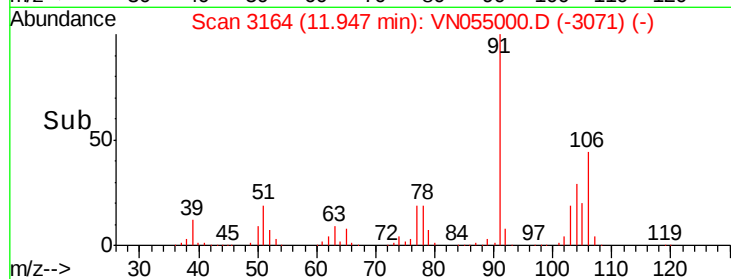
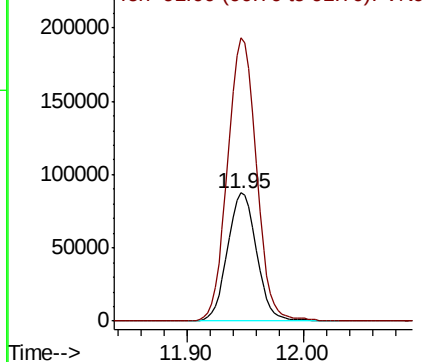
#69
o-Xylene
Concen: 20.271 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 152324
Ion Ratio Lower Upper
106 100
91 218.5 109.9 329.8

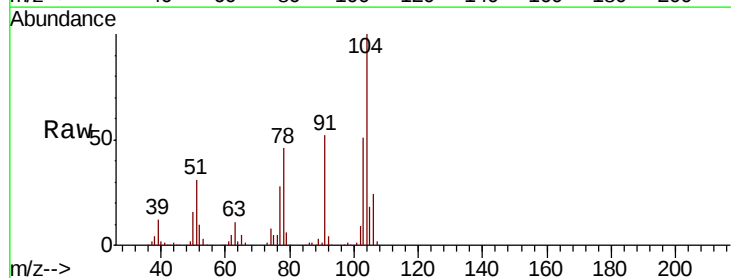


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

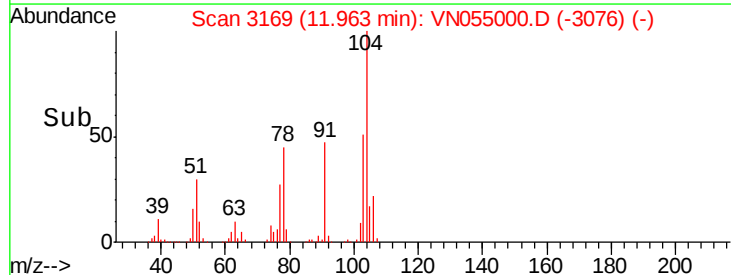
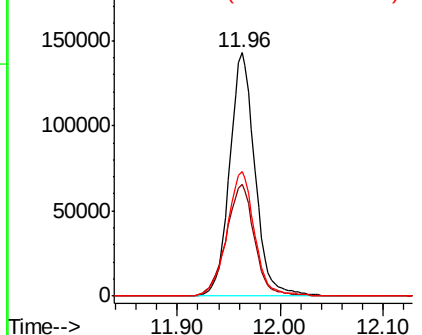


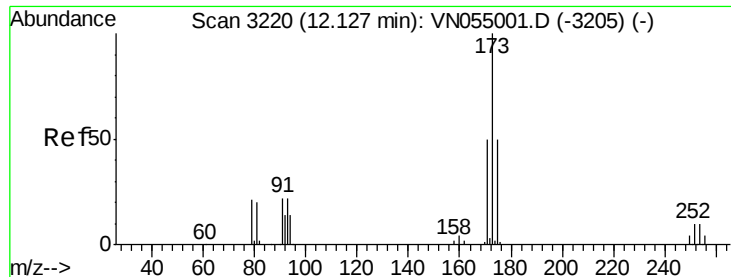
#70
Styrene
Concen: 20.322 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion:104 Resp: 245287
Ion Ratio Lower Upper
104 100
78 51.4 40.3 60.5
103 55.5 44.3 66.5



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





#71

Bromoform

Concen: 18.427 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

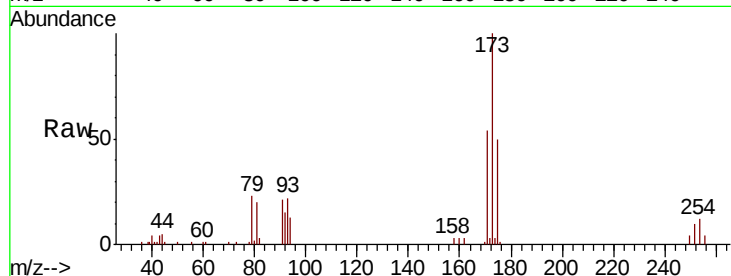
Tot Ion:173 Resp: 47799

Ion Ratio Lower Upper

173 100

175 50.6 24.3 73.0

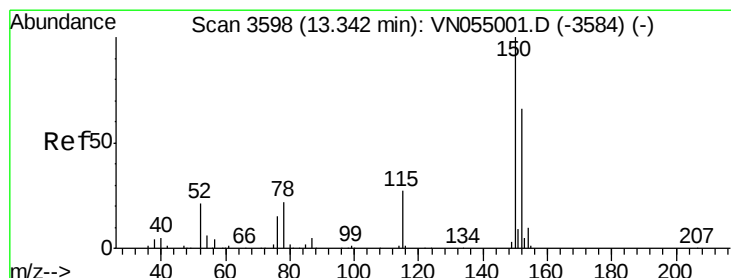
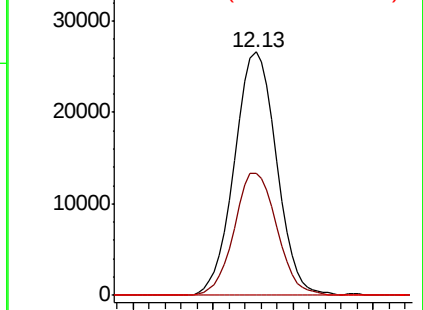
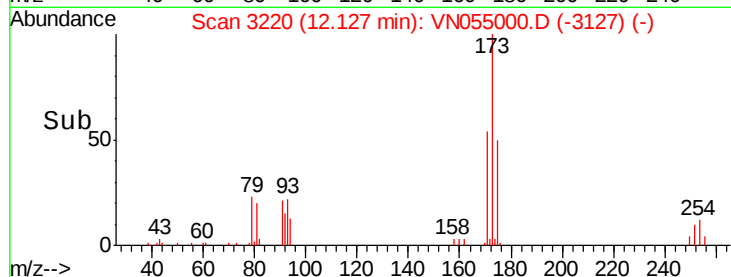
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

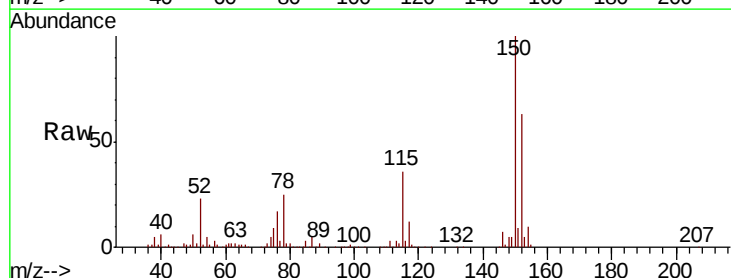
Tgt Ion:152 Resp: 236087

Ion Ratio Lower Upper

152 100

115 56.9 28.5 85.6

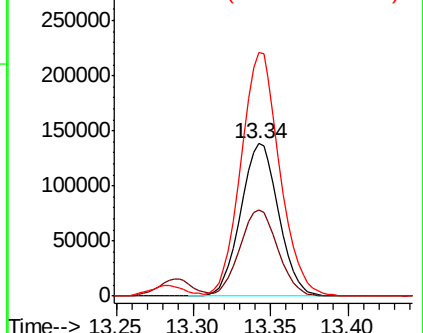
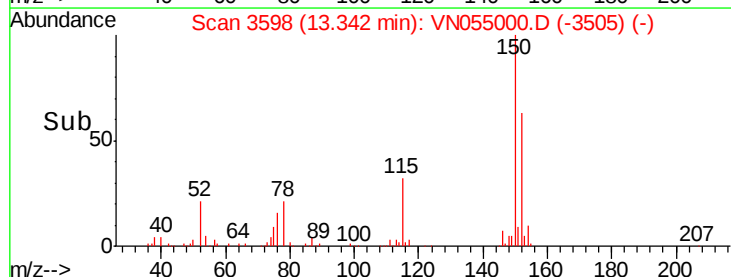
150 162.8 0.0 347.2

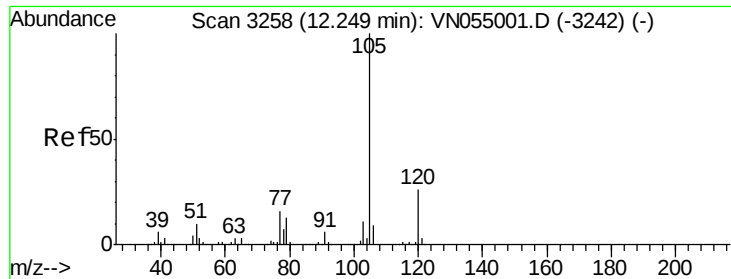


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.310 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampled :

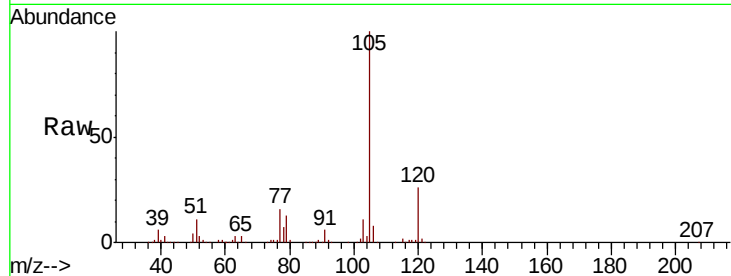
VSTDIC020

Tot Ion:105 Resp: 402317

Ion Ratio Lower Upper

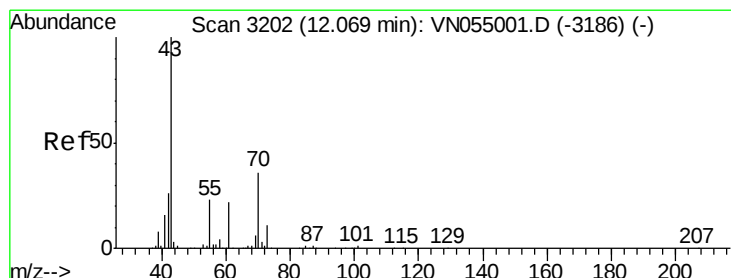
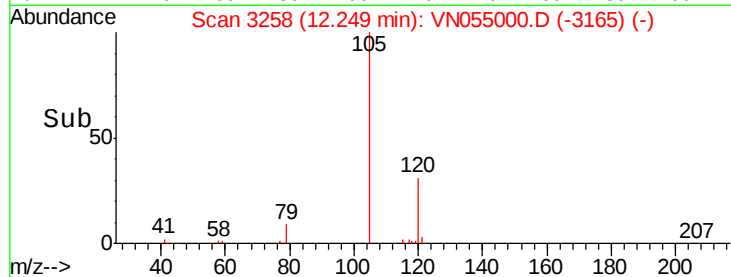
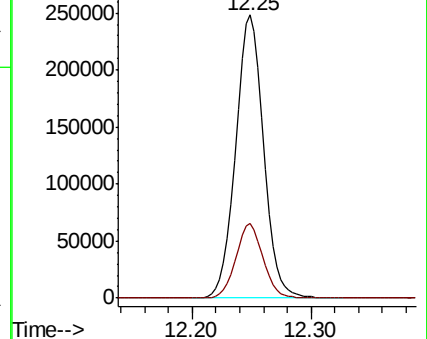
105 100

120 25.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.537 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Tgt Ion: 43 Resp: 113921

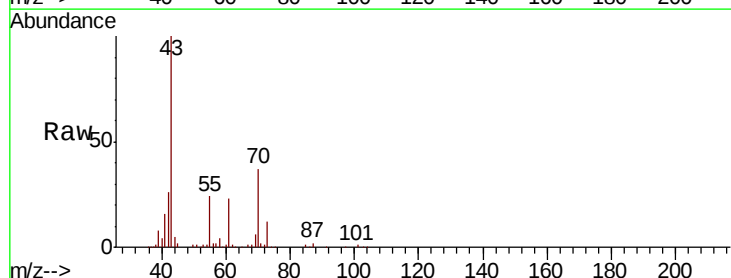
Ion Ratio Lower Upper

43 100

70 36.9 29.4 44.0

55 24.4 19.0 28.4

61 21.1 17.7 26.5

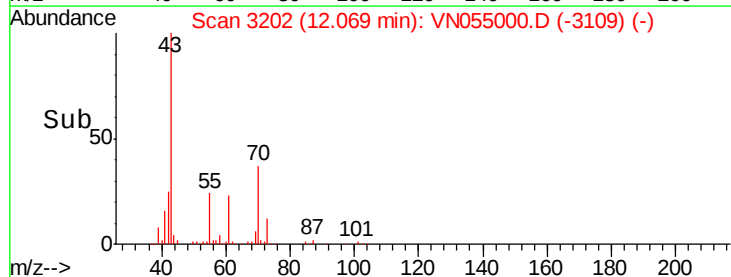
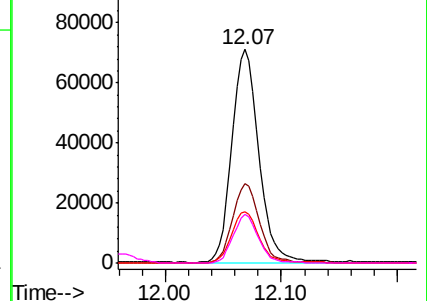


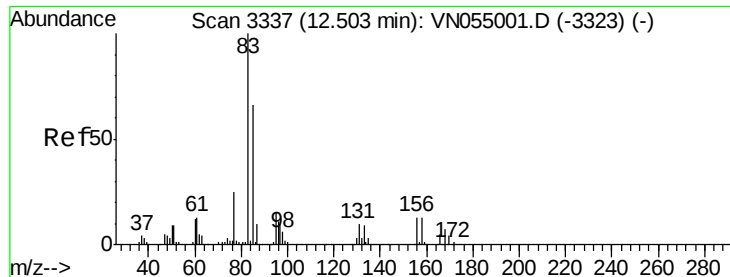
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.846 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

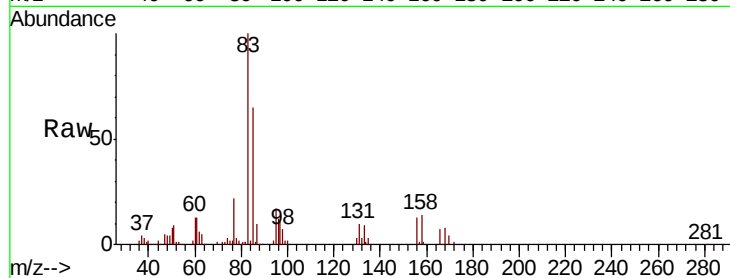
Tot Ion: 83 Resp: 102937

Ion Ratio Lower Upper

83 100

131 9.9 5.0 15.0

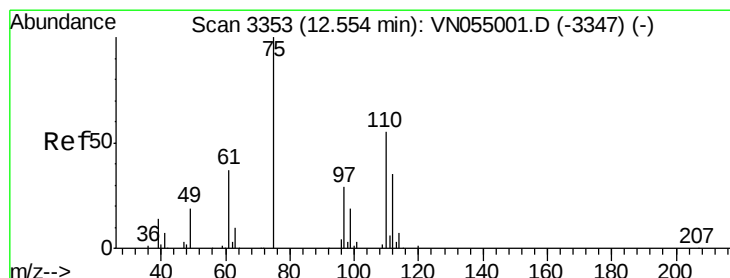
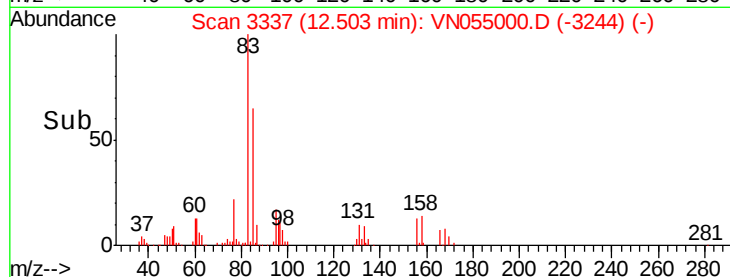
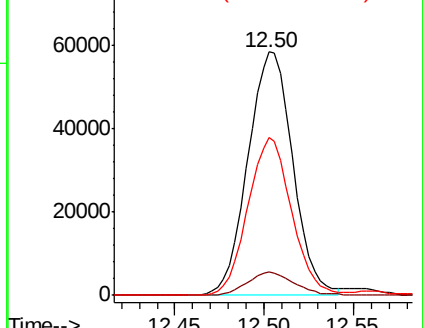
85 63.0 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN055000.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN055000.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN055000.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 27.636 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN055000.D

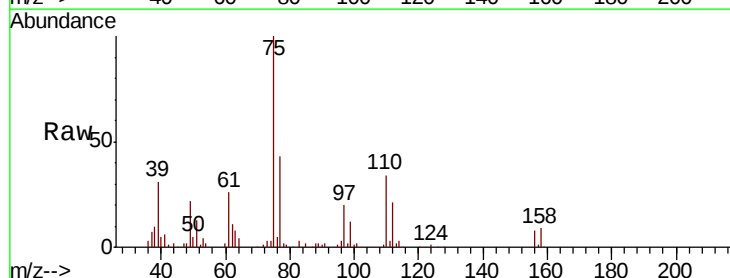
Acq: 12 Apr 2019 15:39

Tgt Ion: 75 Resp: 117837

Ion Ratio Lower Upper

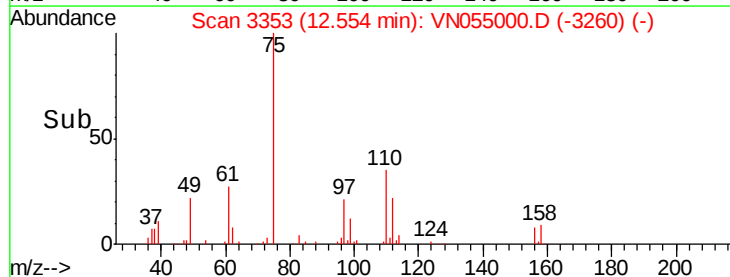
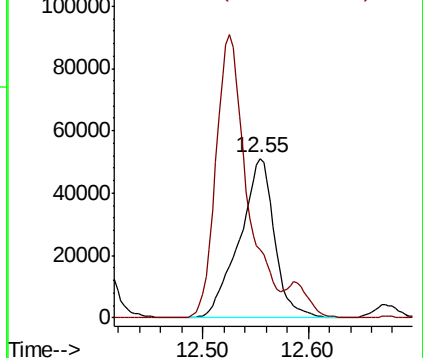
75 100

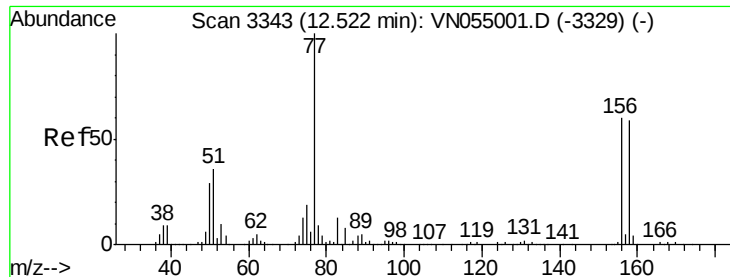
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055000.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055000.D (-3260) (-)





#77

Bromobenzene

Concen: 19.718 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

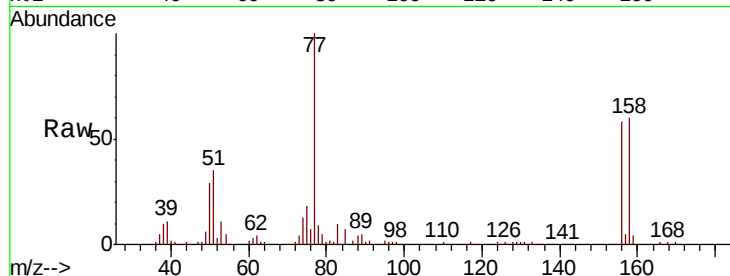
Tot Ion:156 Resp: 94714

Ion Ratio Lower Upper

156 100

77 195.9 97.2 291.5

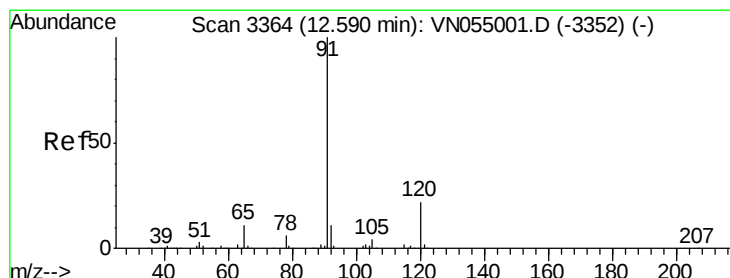
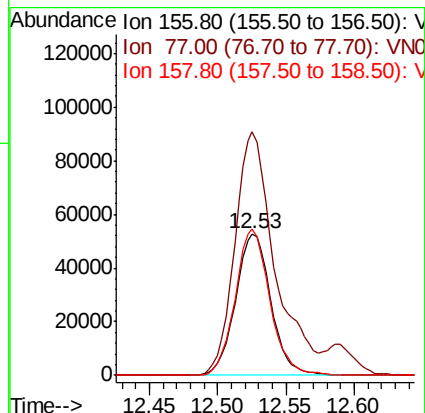
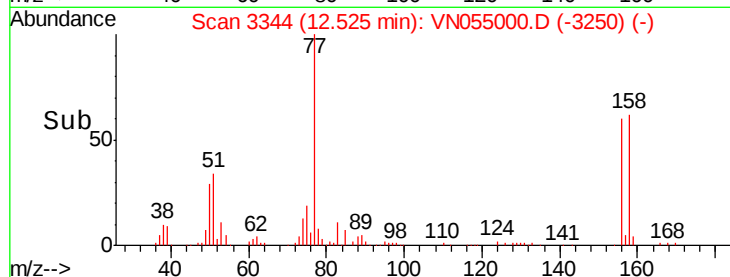
158 101.4 48.6 145.9



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: 20.220 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055000.D

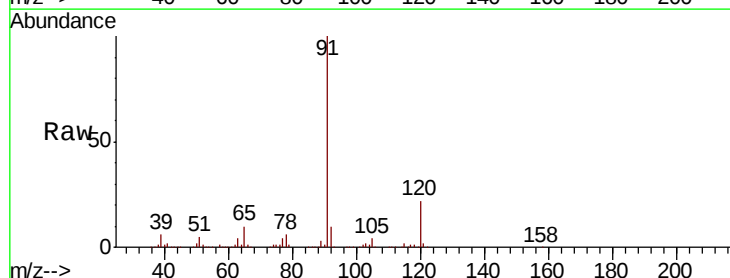
Acq: 12 Apr 2019 15:39

Tgt Ion: 91 Resp: 441416

Ion Ratio Lower Upper

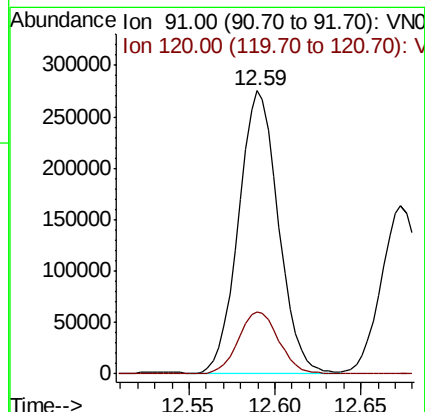
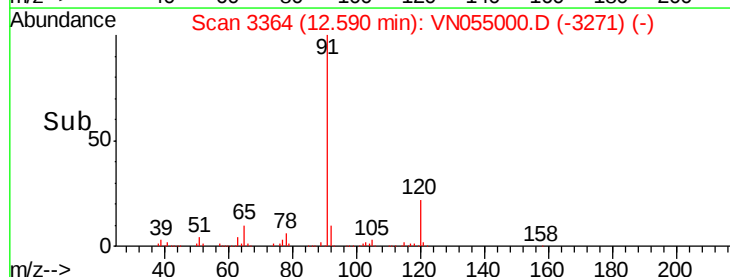
91 100

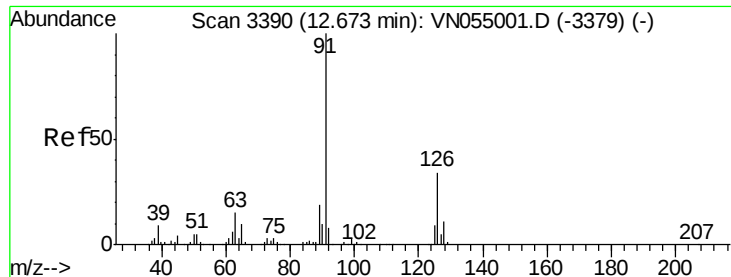
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.895 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

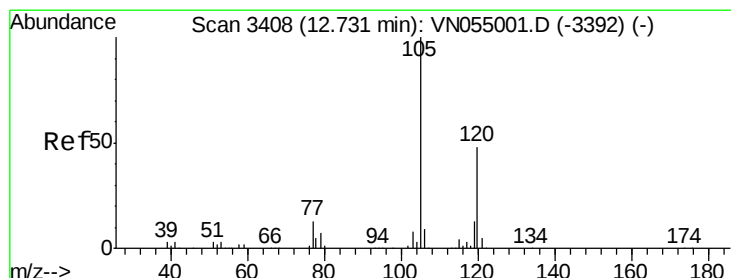
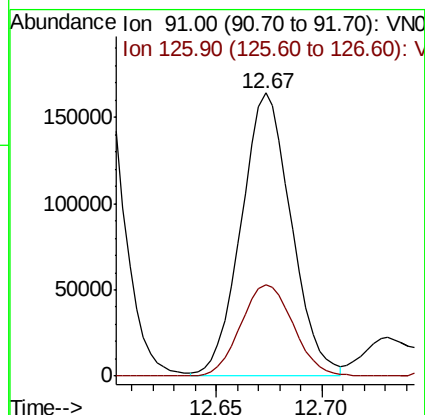
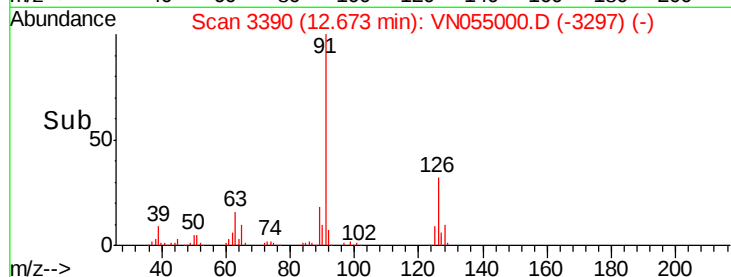
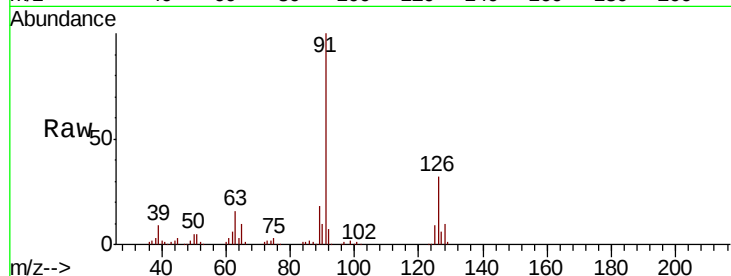
VSTDIC020

Tot Ion: 91 Resp: 269177

Ion Ratio Lower Upper

91 100

126 34.3 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 20.465 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055000.D

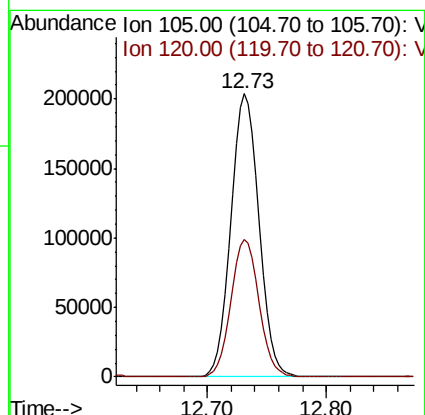
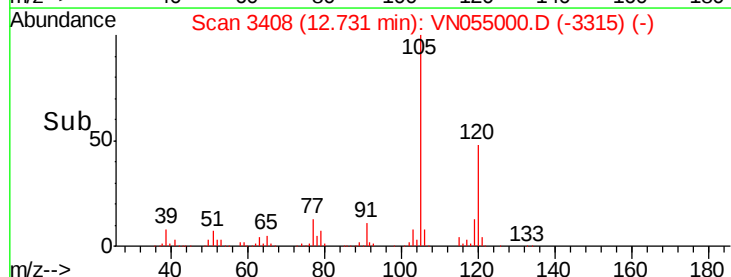
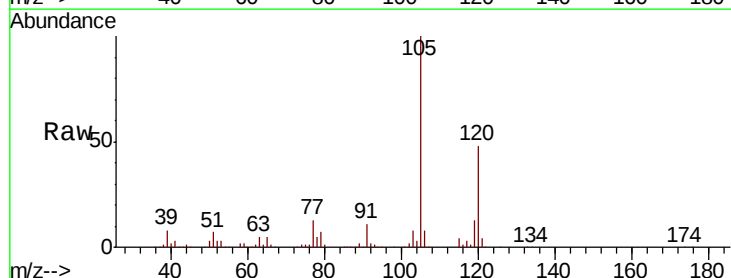
Acq: 12 Apr 2019 15:39

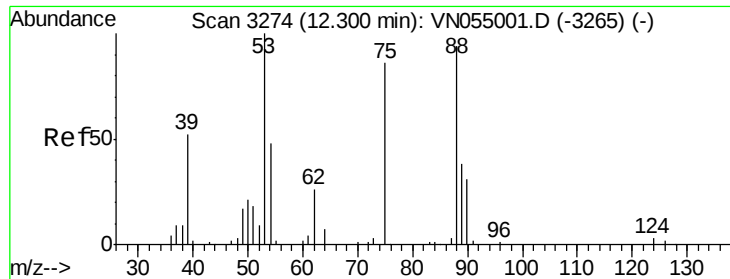
Tgt Ion: 105 Resp: 332694

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.245 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

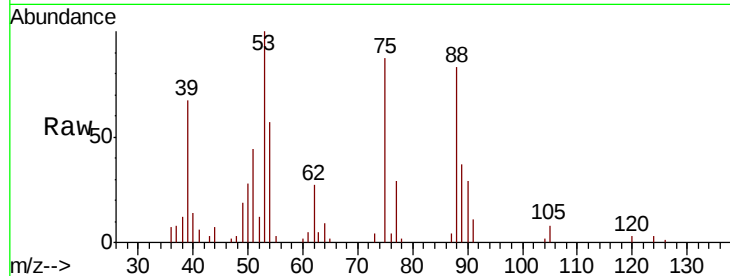
Tot Ion: 75 Resp: 19579

Ion Ratio Lower Upper

75 100

53 118.4 96.3 144.5

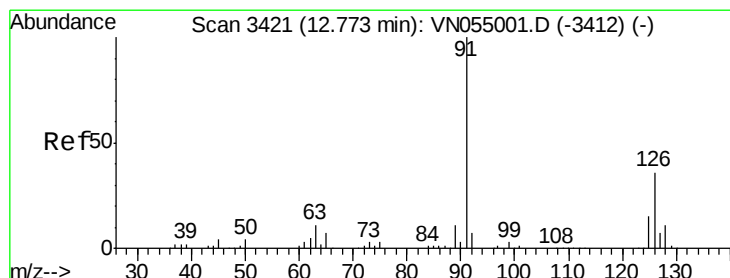
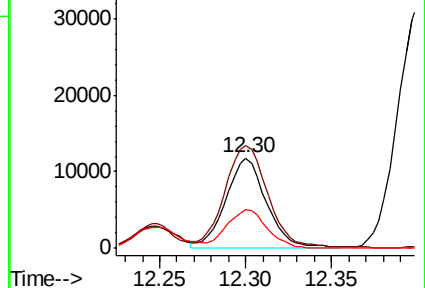
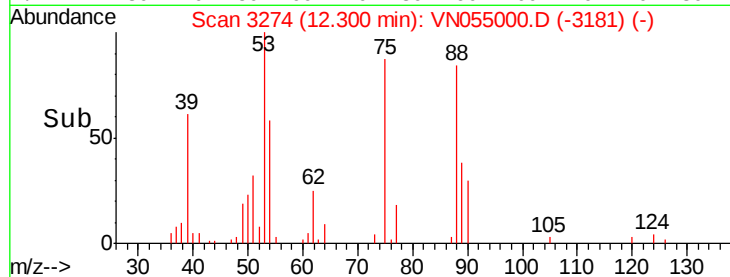
89 43.0 38.6 57.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.157 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055000.D

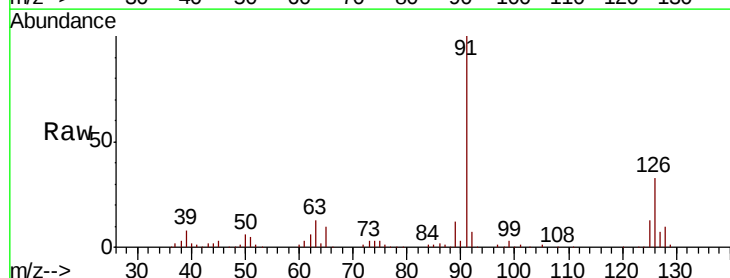
Acq: 12 Apr 2019 15:39

Tgt Ion: 91 Resp: 257916

Ion Ratio Lower Upper

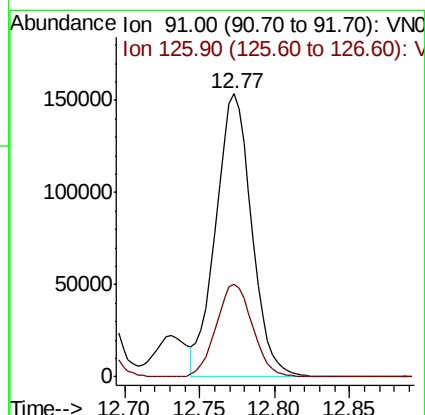
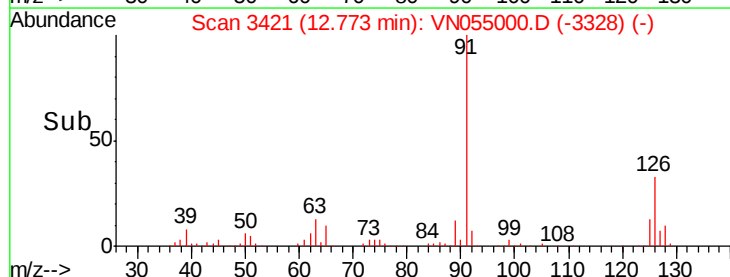
91 100

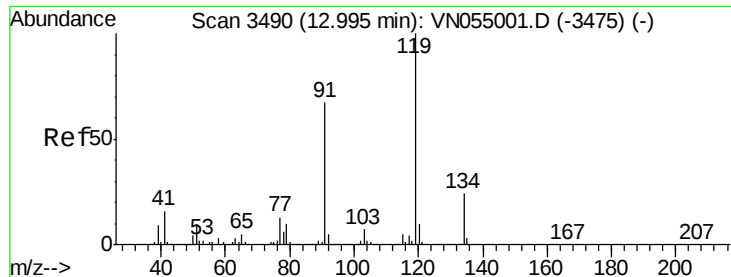
126 33.2 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

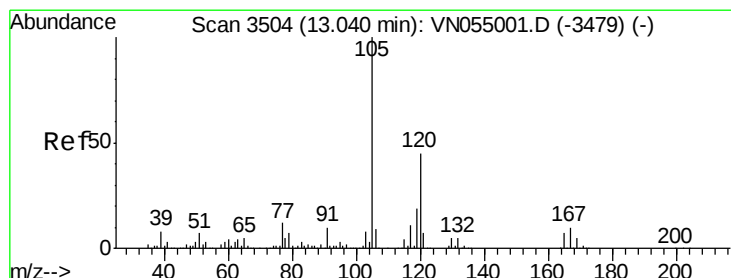
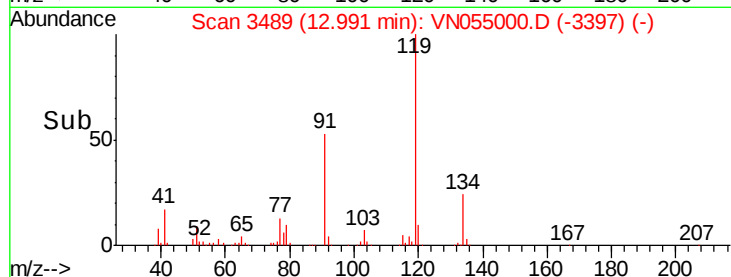
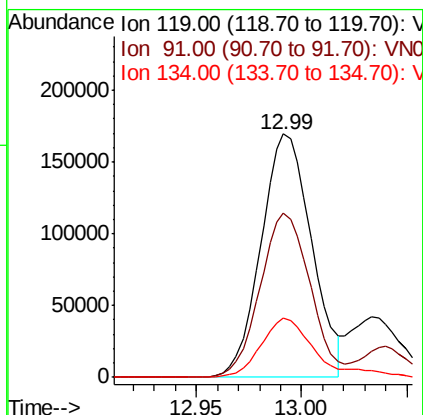
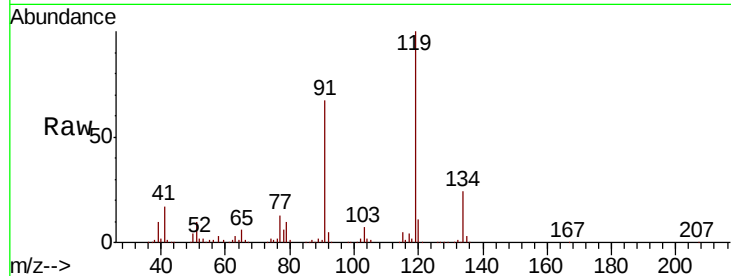




#83
 tert-Butylbenzene
 Concen: 20.427 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

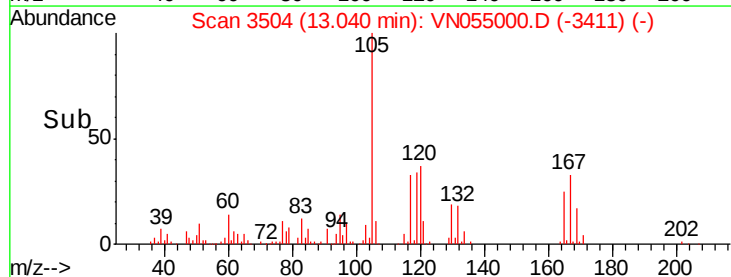
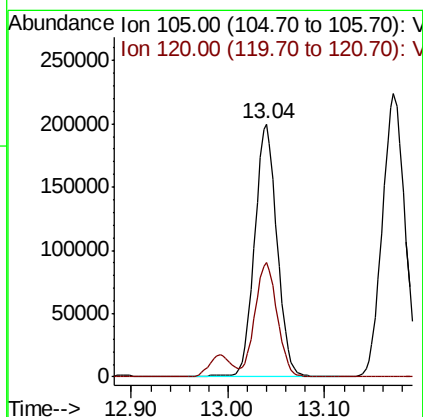
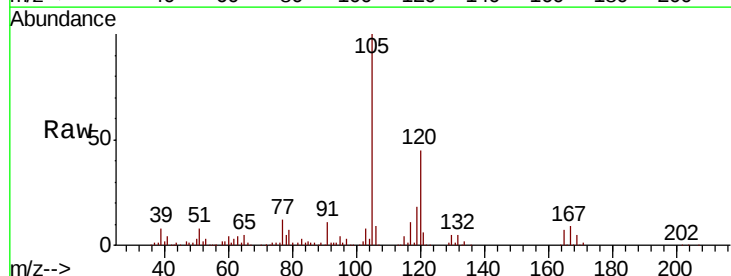
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

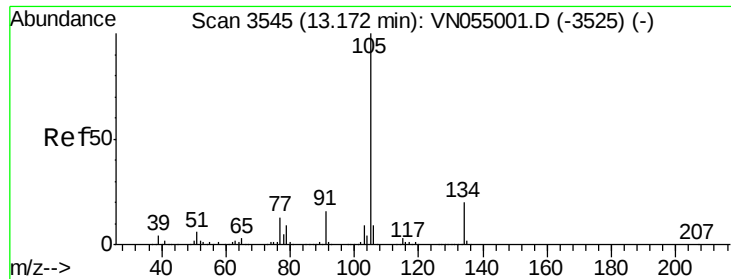
Tot Ion:119 Resp: 283241
 Ion Ratio Lower Upper
 119 100
 91 66.7 33.3 99.8
 134 26.4 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 20.508 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

Tgt Ion:105 Resp: 322307
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.4 67.3

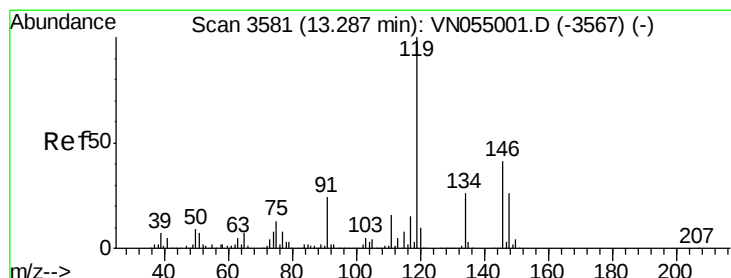
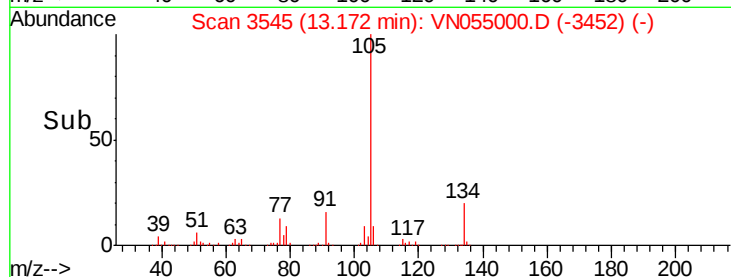
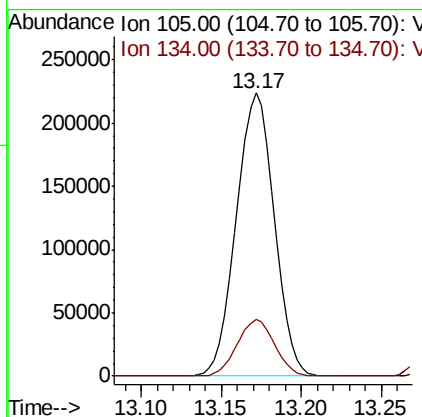
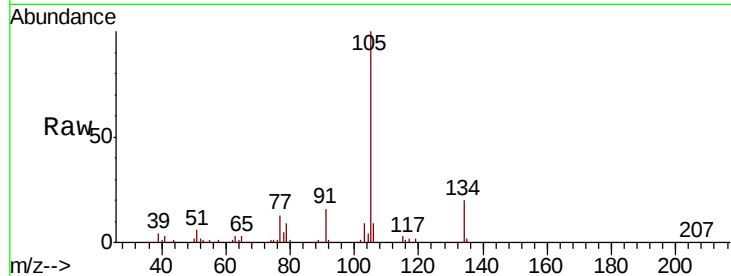




#85
 sec-Butylbenzene
 Concen: 20.184 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

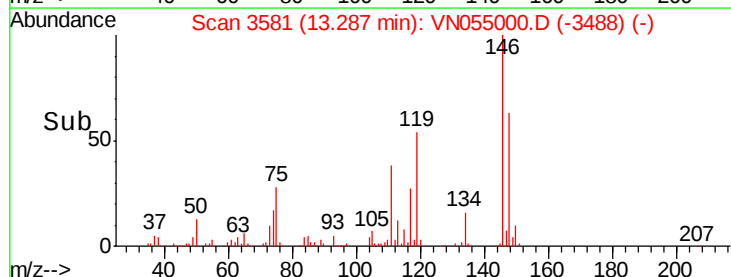
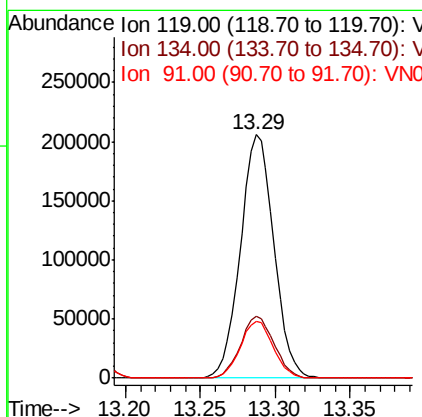
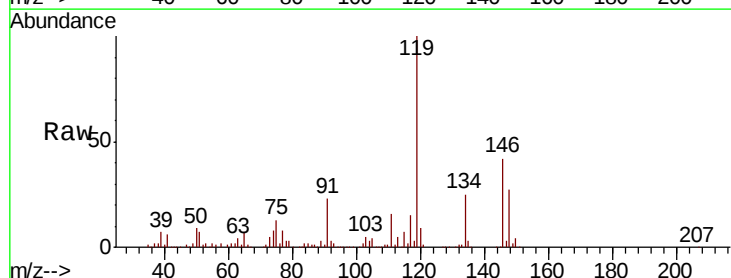
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

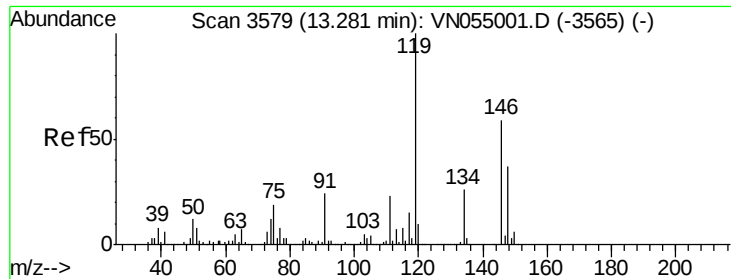
Tot Ion:105 Resp: 362019
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 20.737 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

Tgt Ion:119 Resp: 320152
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.2 39.5
 91 23.4 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 20.067 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

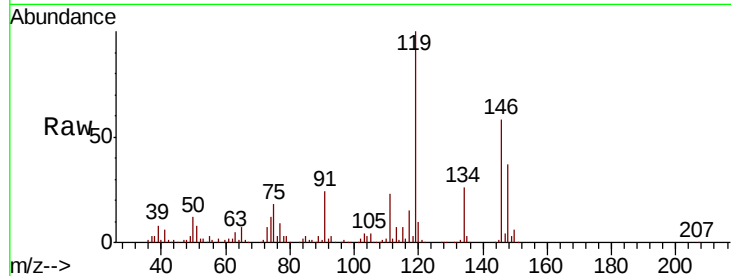
Tot Ion:146 Resp: 159790

Ion Ratio Lower Upper

146 100

111 38.9 19.5 58.5

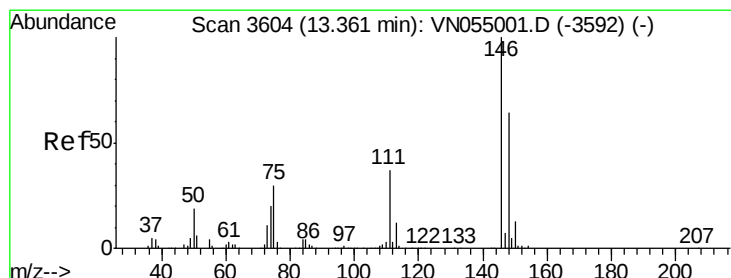
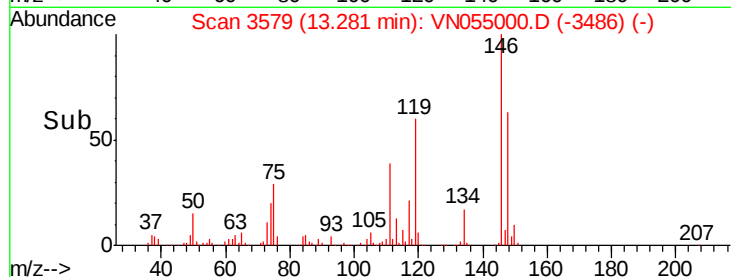
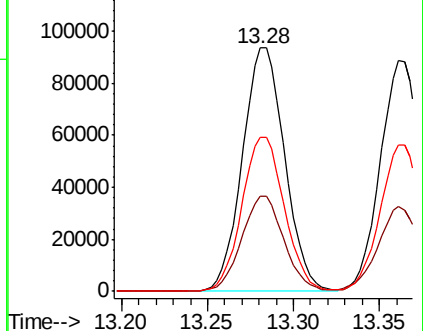
148 63.7 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.839 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

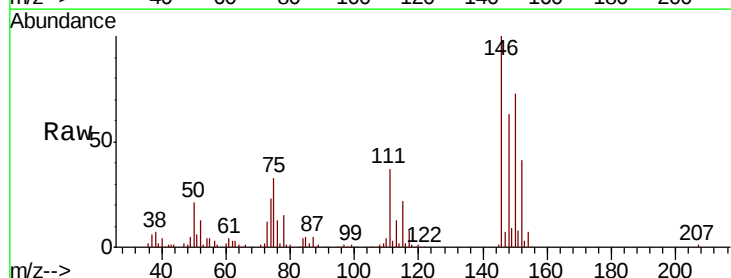
Tgt Ion:146 Resp: 150584

Ion Ratio Lower Upper

146 100

111 37.4 18.8 56.4

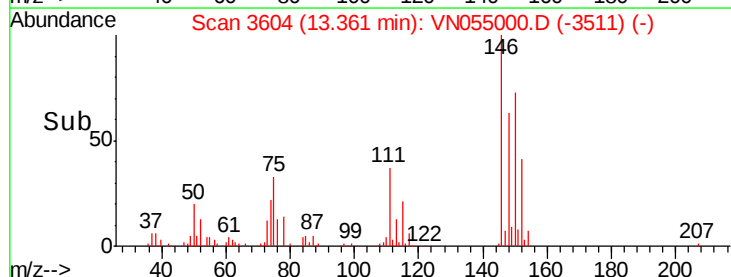
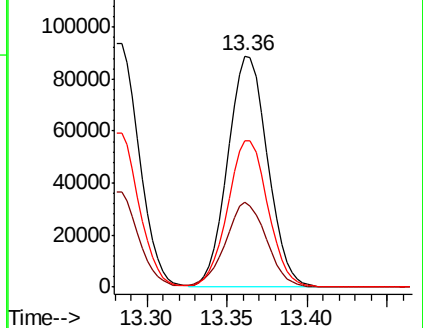
148 64.2 32.4 97.2

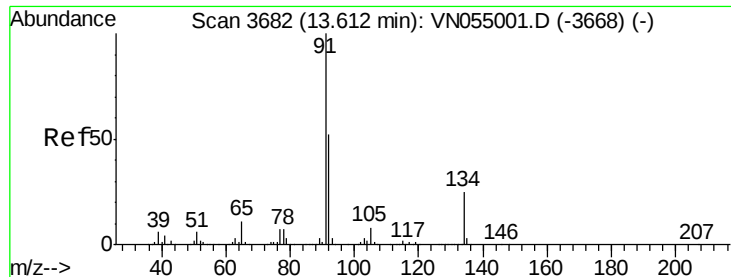


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.053 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

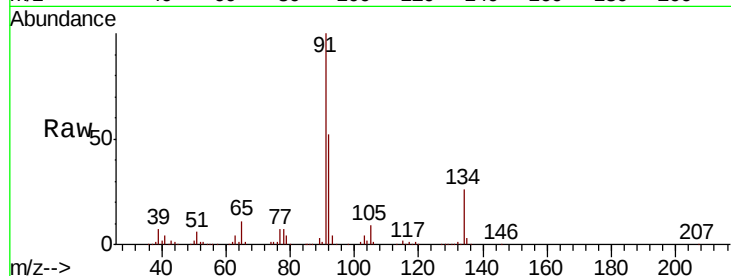
Tot Ion: 91 Resp: 233434

Ion Ratio Lower Upper

91 100

92 51.9 25.9 77.7

134 25.0 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VN055001.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055001.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055001.D (-3668) (-)

13.61

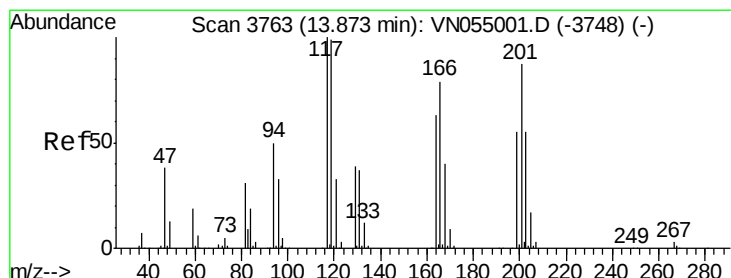
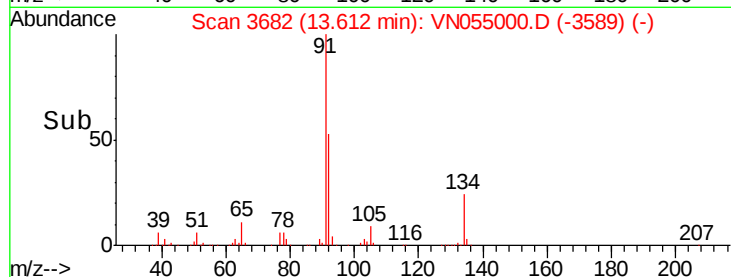
150000

100000

50000

0

Time-->



#90

Hexachloroethane

Concen: 18.350 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN055000.D

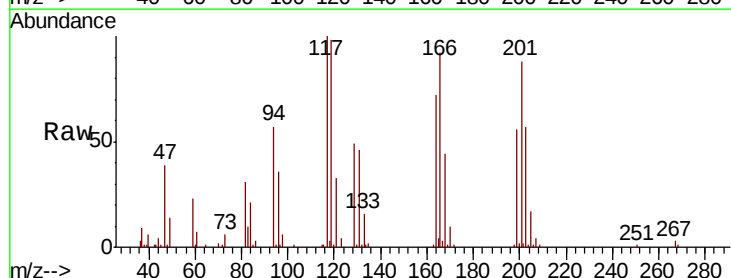
Acq: 12 Apr 2019 15:39

Tgt Ion: 117 Resp: 47121

Ion Ratio Lower Upper

117 100

201 86.7 43.4 130.2



Abundance Ion 116.80 (116.50 to 117.50): VN055001.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN055001.D (-3748) (-)

13.87

30000

25000

20000

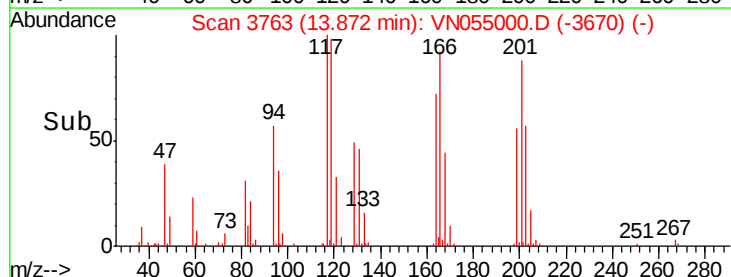
15000

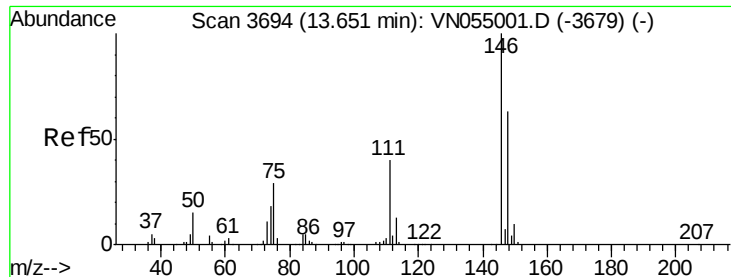
10000

5000

0

Time-->





#91

1,2-Dichlorobenzene

Concen: 20.075 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

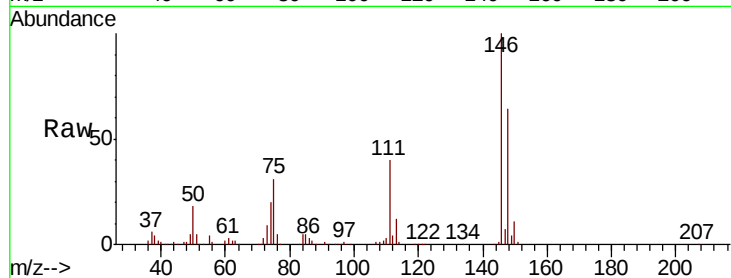
Tot Ion:146 Resp: 157434

Ion Ratio Lower Upper

146 100

111 40.4 20.3 60.9

148 63.2 32.2 96.6

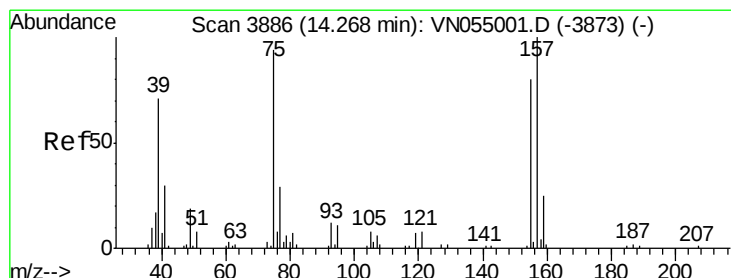
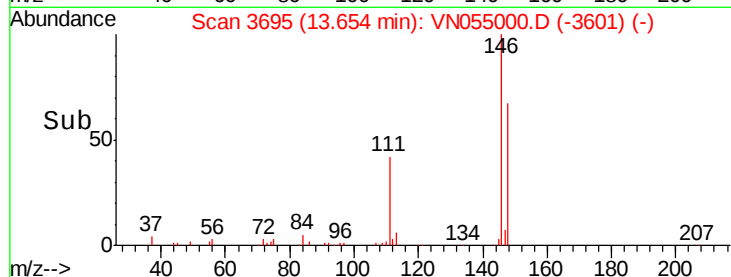
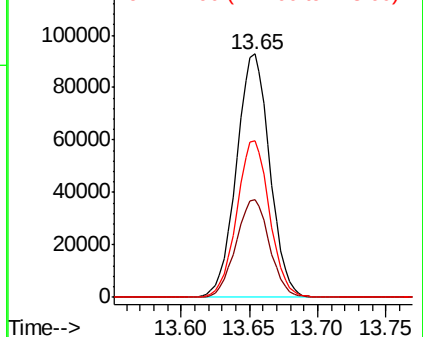


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.045 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

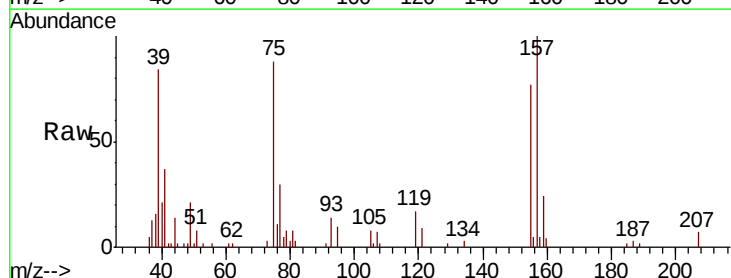
Tgt Ion: 75 Resp: 12400

Ion Ratio Lower Upper

75 100

155 90.7 42.0 126.0

157 117.7 52.1 156.4

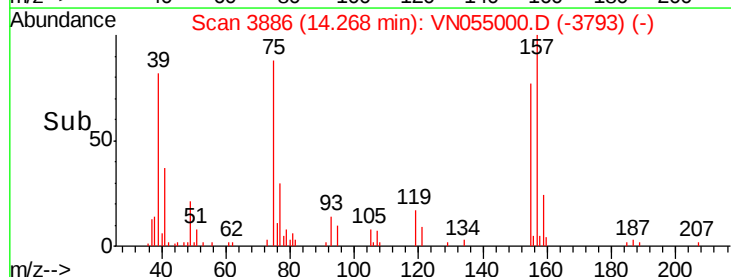
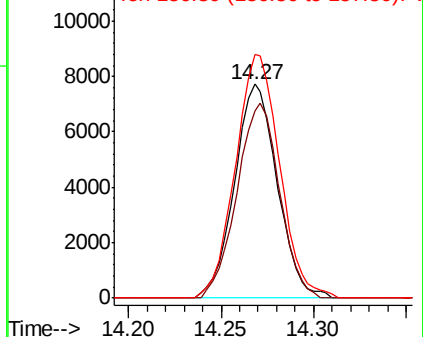


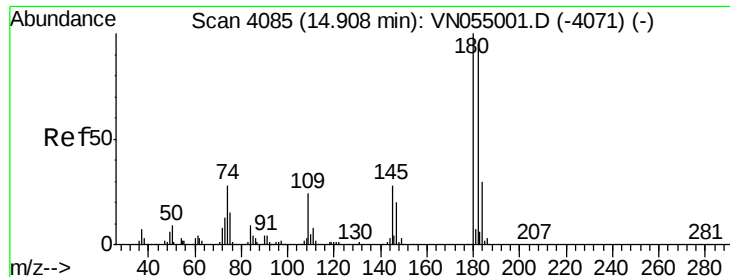
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

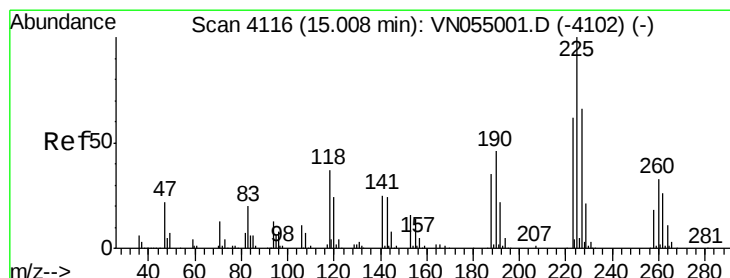
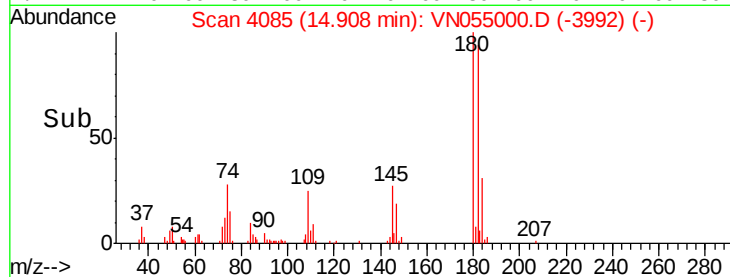
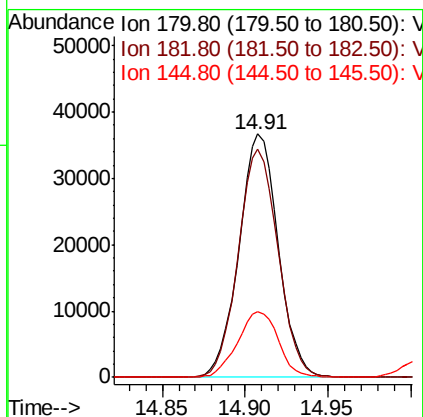
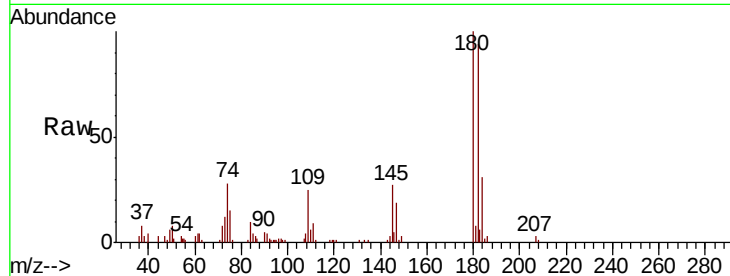




#93
 1,2,4-Trichlorobenzene
 Concen: 17.477 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

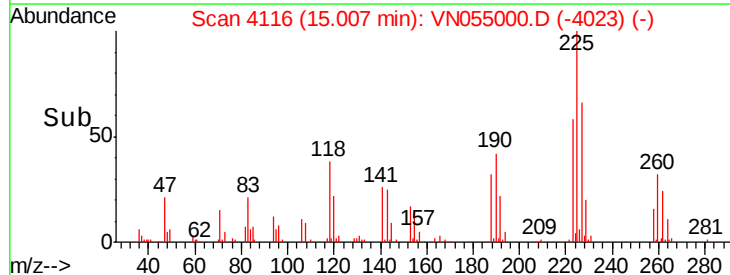
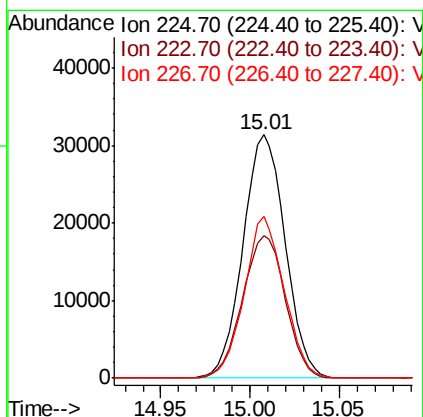
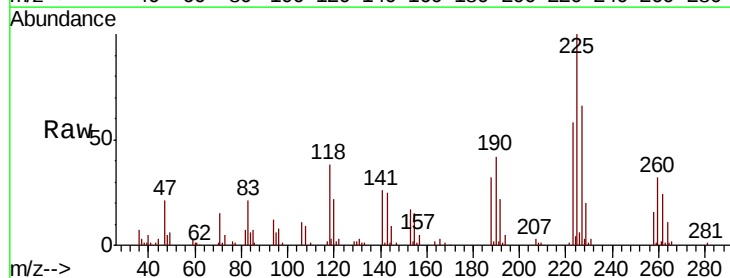
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

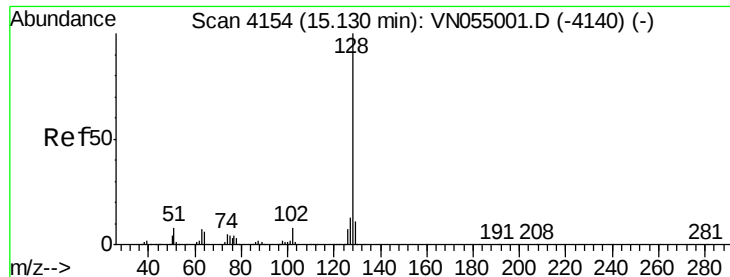
Tot Ion:180 Resp: 60261
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.5 142.6
 145 28.0 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 19.738 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

Tgt Ion:225 Resp: 51864
 Ion Ratio Lower Upper
 225 100
 223 59.3 31.4 94.0
 227 62.6 32.6 97.7





#95

Naphthalene

Concen: 17.150 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

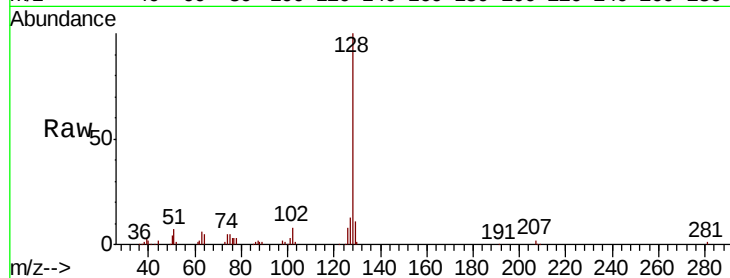
Tot Ion:128 Resp: 130595

Ion Ratio Lower Upper

128 100

127 13.1 10.1 15.1

129 10.9 8.8 13.2

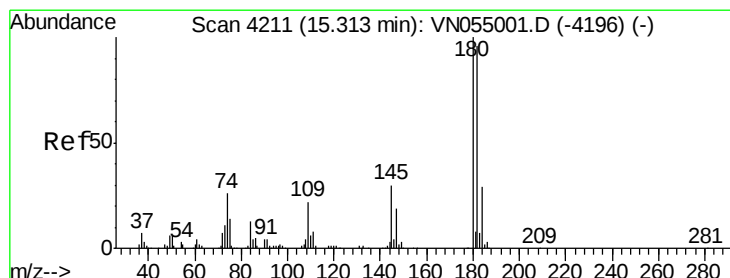
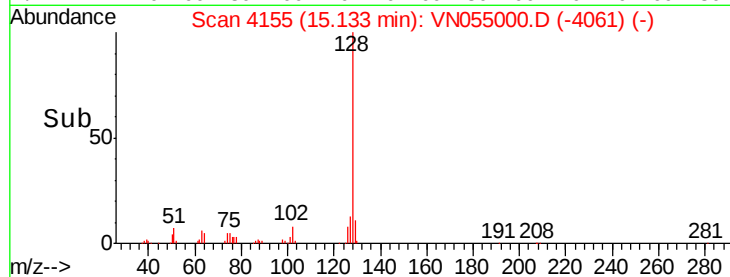
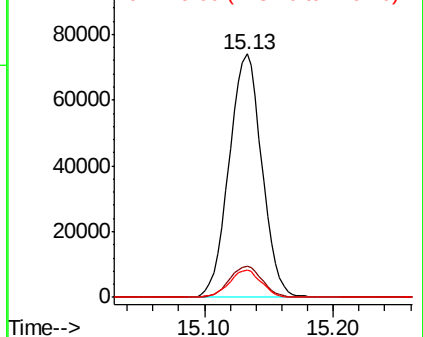


Abundance

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: 17.908 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

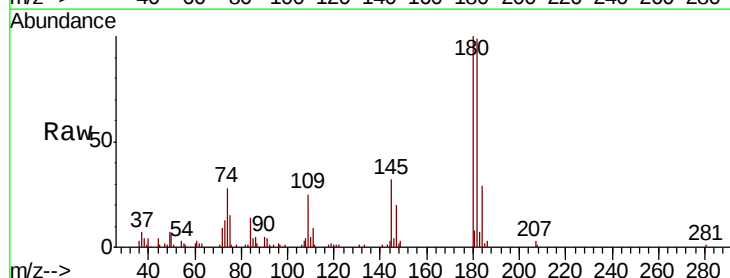
Tgt Ion:180 Resp: 64153

Ion Ratio Lower Upper

180 100

182 98.0 48.0 144.0

145 32.3 15.3 45.9



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

