

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
 Data File : VN051339.D
 Acq On : 20 Sep 2018 14:41
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Quant Time: Sep 21 03:56:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 03:27:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	730903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	971944	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	905481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	486403	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	364400	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	
35) Dibromofluoromethane	7.59	113	369847	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
50) Toluene-d8	10.09	98	1422256	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
62) 4-Bromofluorobenzene	12.40	95	462760	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	284743	46.62	ug/l	100
3) Chloromethane	2.06	50	390485	45.06	ug/l	100
4) Vinyl Chloride	2.19	62	416851	48.42	ug/l	100
5) Bromomethane	2.56	94	280460	46.70	ug/l	100
6) Chloroethane	2.70	64	254994	48.19	ug/l	100
7) Trichlorofluoromethane	3.01	101	589007	47.85	ug/l	100
8) Diethyl Ether	3.41	74	195837	49.73	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	357962	47.40	ug/l	100
10) Methyl Iodide	3.95	142	579214	51.82	ug/l	100
11) Tert butyl alcohol	4.79	59	98856	235.38	ug/l	100
12) 1,1-Dichloroethene	3.74	96	333486	48.78	ug/l	100
13) Acrolein	3.61	56	127668	265.59	ug/l	100
14) Allyl chloride	4.33	41	476528	49.45	ug/l	100
15) Acrylonitrile	4.99	53	530315	249.16	ug/l	100
16) Acetone	3.82	43	341104	209.61	ug/l	100
17) Carbon Disulfide	4.05	76	997760	48.43	ug/l	100
18) Methyl Acetate	4.33	43	229009	40.95	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	850313	51.39	ug/l	100
20) Methylene Chloride	4.55	84	382934	47.03	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	358974	49.71	ug/l	100
22) Diisopropyl ether	5.95	45	994471	52.24	ug/l	100
23) Vinyl Acetate	5.90	43	3250559	264.00	ug/l	100
24) 1,1-Dichloroethane	5.85	63	630707	48.61	ug/l	100
25) 2-Butanone	6.84	43	537037	237.27	ug/l	100
26) 2,2-Dichloropropane	6.83	77	516766	48.20	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	400822	50.09	ug/l	100
28) Bromochloromethane	7.20	49	268672	49.96	ug/l	100
29) Tetrahydrofuran	7.21	42	363514	253.50	ug/l	100
30) Chloroform	7.37	83	651479	47.78	ug/l	100
31) Cyclohexane	7.65	56	570658	44.70	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	572427	48.72	ug/l	100
36) 1,1-Dichloropropene	7.80	75	503562	50.65	ug/l	100
37) Ethyl Acetate	6.93	43	247037	50.19	ug/l	100
38) Carbon Tetrachloride	7.77	117	527843	49.08	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	617320	53.20	ug/l	100
40) Benzene	8.04	78	1518387	50.69	ug/l	100
41) Methacrylonitrile	7.17	41	132150	51.54	ug/l	100
42) 1,2-Dichloroethane	8.13	62	445386	49.22	ug/l	100
43) Isopropyl Acetate	8.17	43	447802	51.95	ug/l	100
44) Trichloroethene	8.84	130	424743	49.39	ug/l	100
45) 1,2-Dichloropropane	9.12	63	381181	49.73	ug/l	100
46) Dibromomethane	9.21	93	233628	49.44	ug/l	100
47) Bromodichloromethane	9.40	83	499644	49.57	ug/l	100
48) Methyl methacrylate	9.20	41	227932	51.87	ug/l	100
49) 1,4-Dioxane	9.20	88	66947	1030.18	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1224728	264.14	ug/l	100
52) Toluene	10.16	92	968330	52.50	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	500134	51.68	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	592909	52.91	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	337862	48.83	ug/l	100
56) Ethyl methacrylate	10.43	69	404115	55.30	ug/l	100
57) 1,3-Dichloropropane	10.71	76	553667	50.80	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1007613	280.43	ug/l	100
59) 2-Hexanone	10.75	43	801738	256.48	ug/l	100
60) Dibromochloromethane	10.90	129	402870	49.93	ug/l	100
61) 1,2-Dibromoethane	11.00	107	335491	50.44	ug/l	100
64) Tetrachloroethene	10.63	164	395943	50.14	ug/l	100
65) Chlorobenzene	11.43	112	1084100	50.11	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	406793	49.40	ug/l	100
67) Ethyl Benzene	11.51	91	1797171	53.10	ug/l	100
68) m/p-Xylenes	11.62	106	1448802	108.97	ug/l	100
69) o-Xylene	11.95	106	686717	53.58	ug/l	100
70) Styrene	11.96	104	1106944	55.64	ug/l	100
71) Bromoform	12.13	173	284155	50.84	ug/l	# 100
73) Isopropylbenzene	12.25	105	1829719	51.33	ug/l	100
74) N-amyl acetate	12.07	43	376198	49.33	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	396226	45.04	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	476535	67.84	ug/l	# 100
77) Bromobenzene	12.53	156	480608	48.80	ug/l	100
78) n-propylbenzene	12.59	91	2040840	52.51	ug/l	100
79) 2-Chlorotoluene	12.67	91	1199220	50.07	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1538210	53.23	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	108149	53.30	ug/l	100
82) 4-Chlorotoluene	12.77	91	1203339	51.69	ug/l	100
83) tert-Butylbenzene	12.99	119	1346873	52.07	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1549695	54.03	ug/l	100
85) sec-Butylbenzene	13.17	105	1803736	52.44	ug/l	100
86) p-Isopropyltoluene	13.29	119	1624969	54.28	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	830125	50.14	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	802892	50.03	ug/l	100
89) n-Butylbenzene	13.61	91	1268334	54.50	ug/l	100
90) Hexachloroethane	13.87	117	293530	45.78	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	794052	49.65	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	54349	46.64	ug/l	100

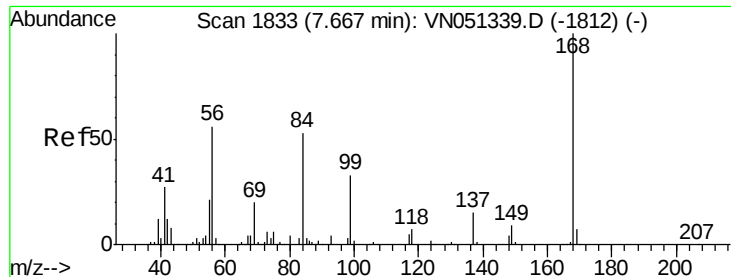
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	418168	57.04	ug/l	100
94) Hexachlorobutadiene	15.01	225	304495	49.06	ug/l	100
95) Naphthalene	15.13	128	745104	57.65	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	410745	56.31	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

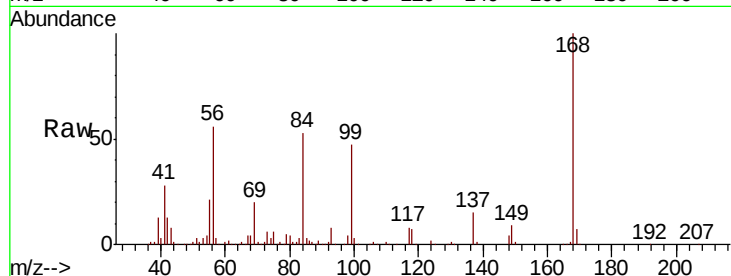
VSTDICCC050

Tot Ion:168 Resp: 730903

Ion Ratio Lower Upper

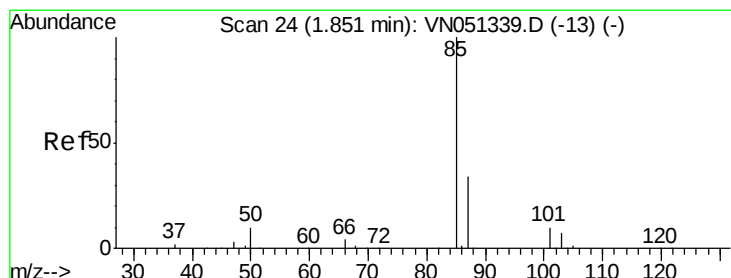
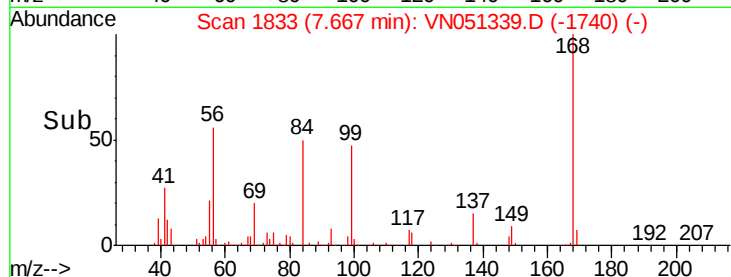
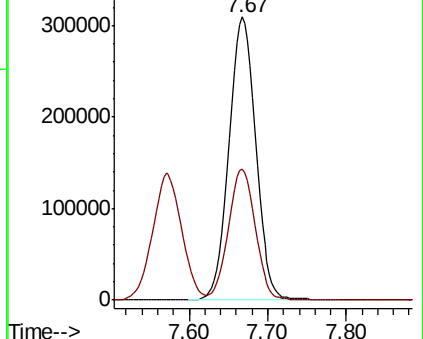
168 100

99 46.4 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.62 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051339.D

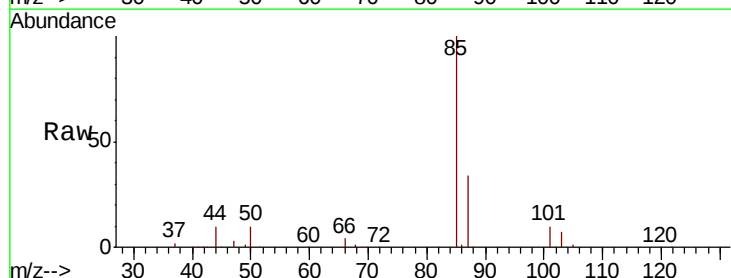
Acq: 20 Sep 2018 14:41

Tgt Ion: 85 Resp: 284743

Ion Ratio Lower Upper

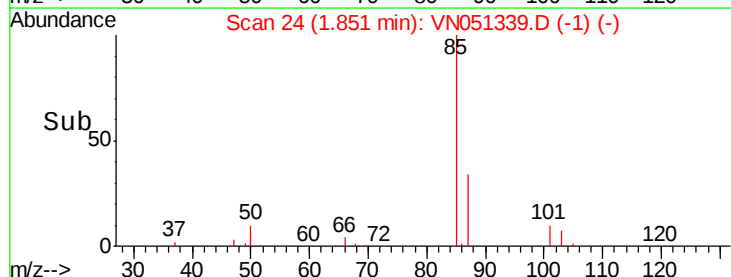
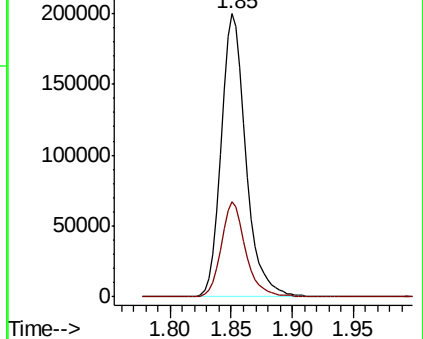
85 100

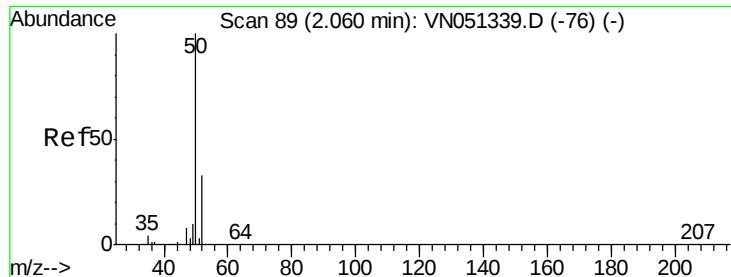
87 33.6 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.06 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

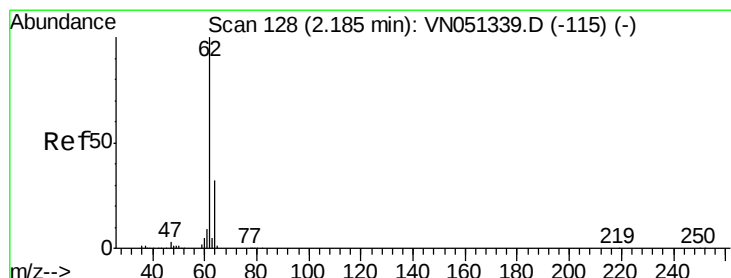
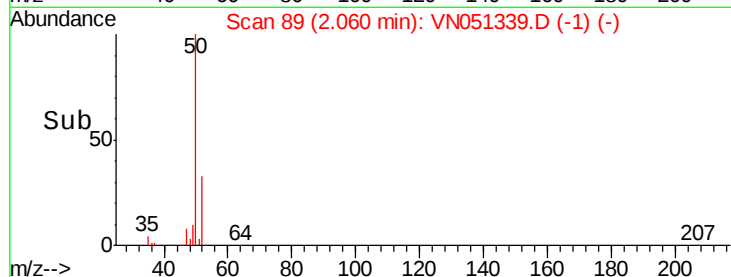
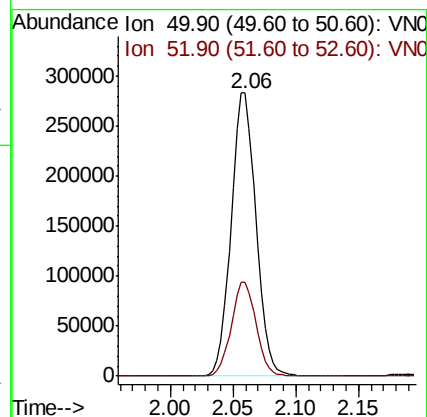
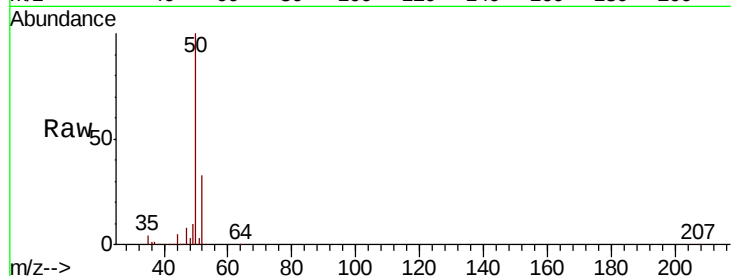
VSTDICCC050

Tot Ion: 50 Resp: 390485

Ion Ratio Lower Upper

50 100

52 33.4 26.7 40.1



#4

Vinyl Chloride

Concen: 48.42 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051339.D

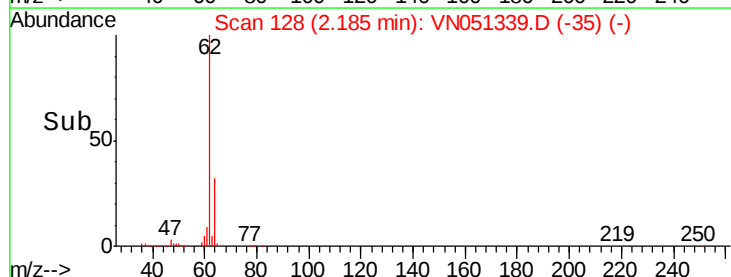
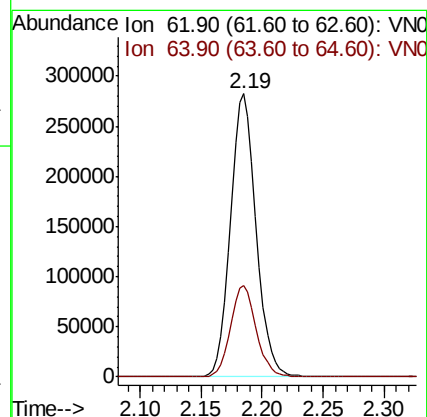
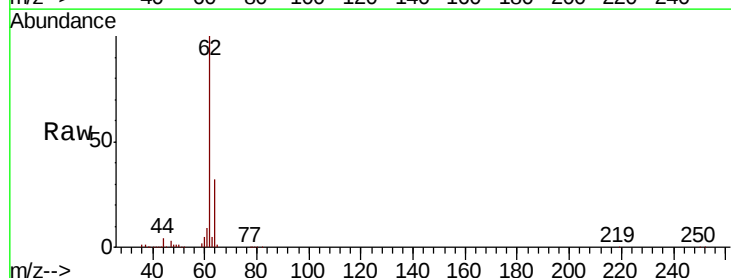
Acq: 20 Sep 2018 14:41

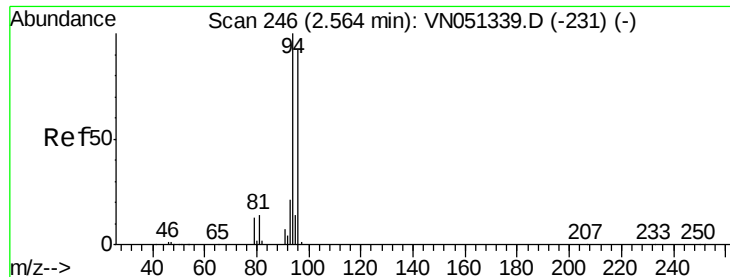
Tgt Ion: 62 Resp: 416851

Ion Ratio Lower Upper

62 100

64 32.4 25.9 38.9





#5

Bromomethane

Concen: 46.70 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

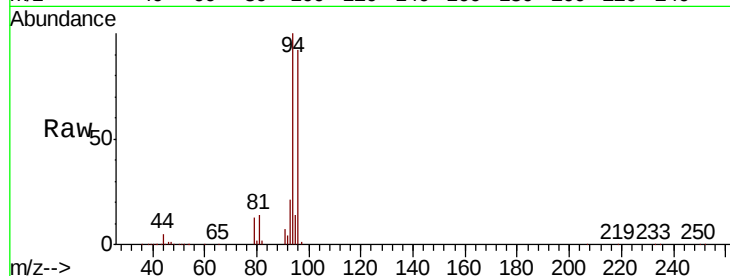
VSTDICCC050

Tot Ion: 94 Resp: 280460

Ion Ratio Lower Upper

94 100

96 92.3 73.8 110.8



Abundance Ion 93.90 (93.60 to 94.60): VN051339.D (-231) (-)

Ion 95.90 (95.60 to 96.60): VN051339.D (-231) (-)

2.56

150000

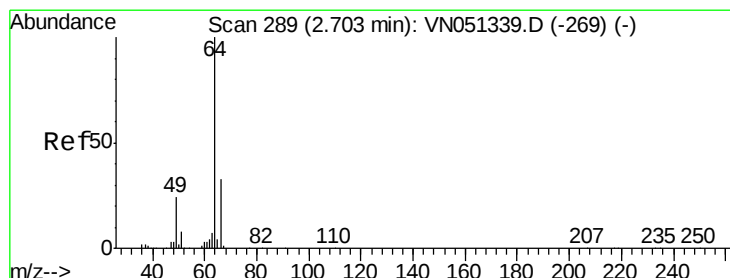
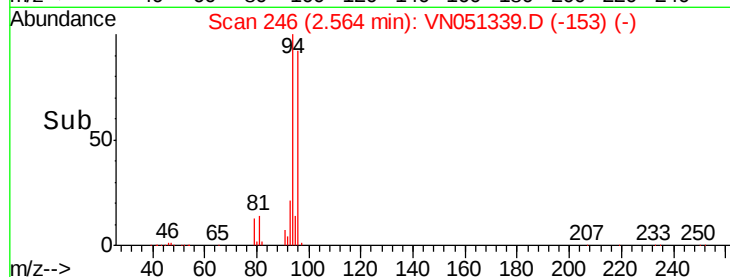
100000

50000

0

2.50 2.60 2.70

Time-->



#6

Chloroethane

Concen: 48.19 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051339.D

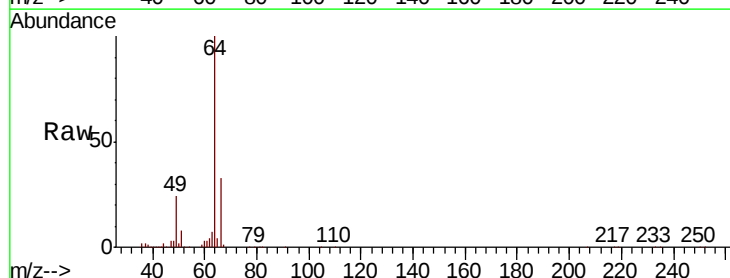
Acq: 20 Sep 2018 14:41

Tgt Ion: 64 Resp: 254994

Ion Ratio Lower Upper

64 100

66 33.2 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VN051339.D (-269) (-)

Ion 65.90 (65.60 to 66.60): VN051339.D (-269) (-)

2.70

150000

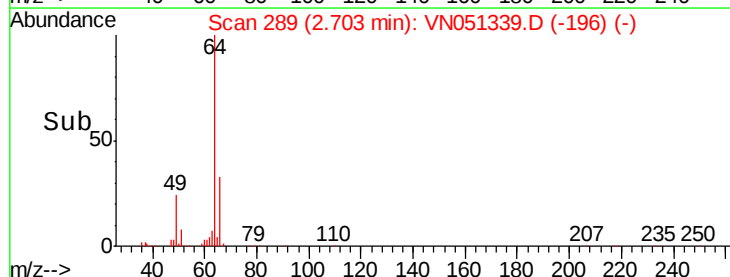
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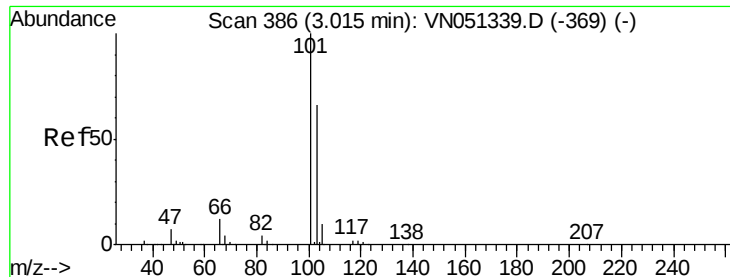
50000

0

2.60 2.65 2.70 2.75 2.80

Time-->



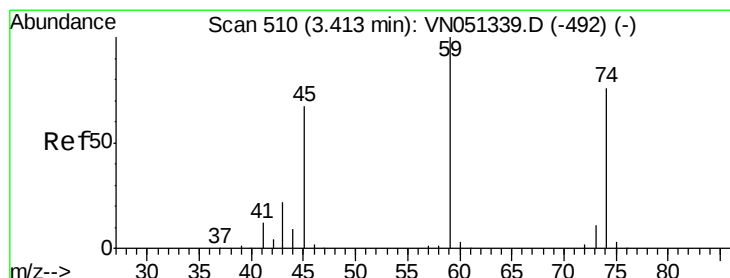
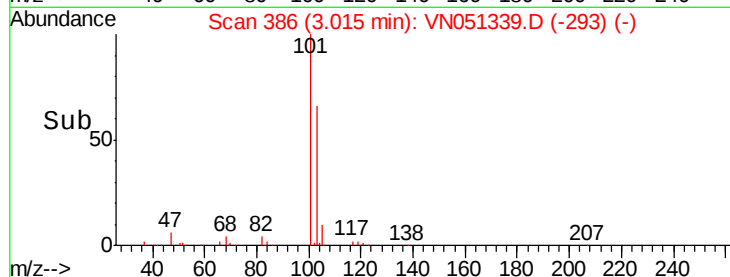
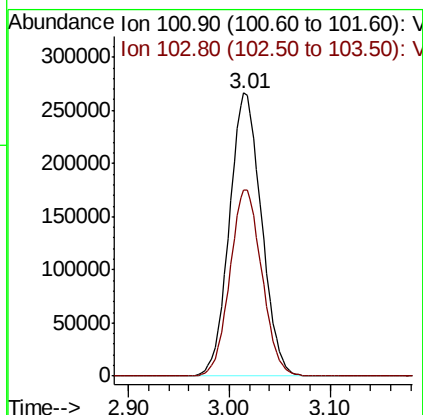
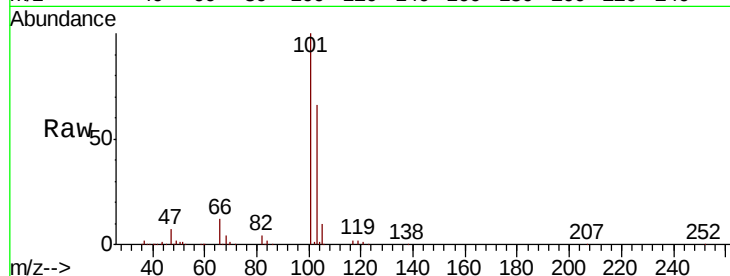


#7

Trichlorofluoromethane
 Concen: 47.85 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051339.D
 Acq: 20 Sep 2018 14:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

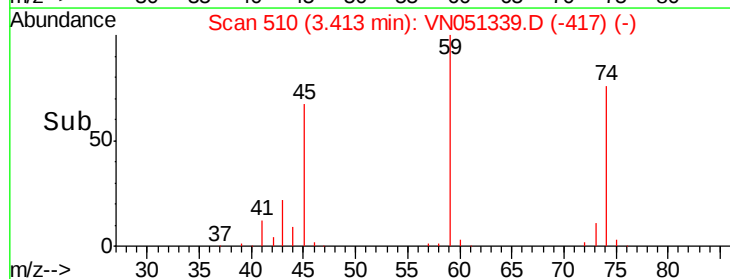
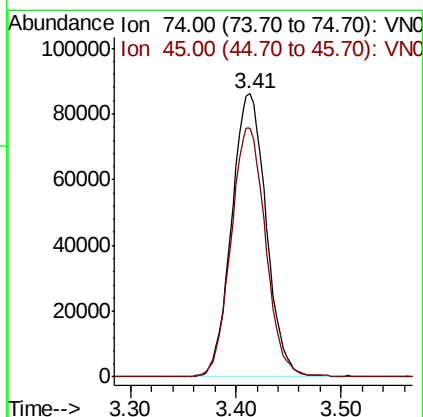
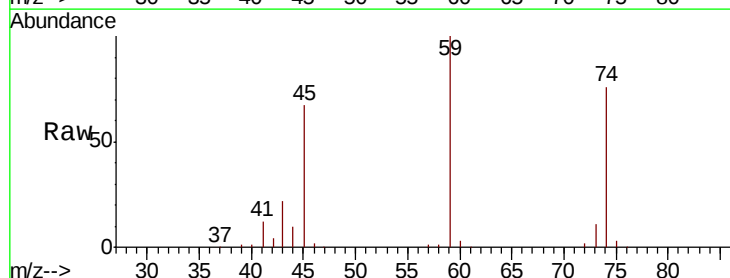
Tot Ion:101 Resp: 589007
 Ion Ratio Lower Upper
 101 100
 103 65.9 52.7 79.1

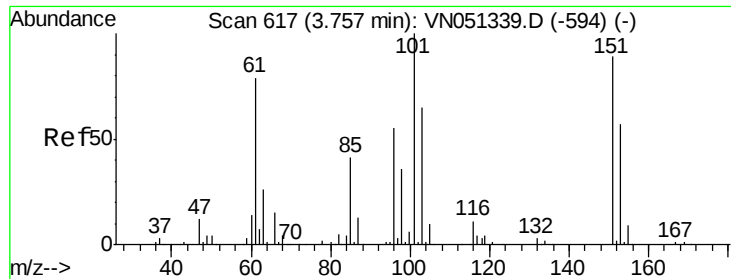


#8

Diethyl Ether
 Concen: 49.73 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051339.D
 Acq: 20 Sep 2018 14:41

Tgt Ion: 74 Resp: 195837
 Ion Ratio Lower Upper
 74 100
 45 88.3 44.1 132.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.40 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

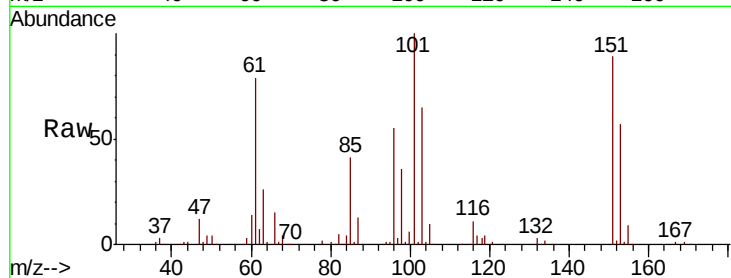
Tot Ion:101 Resp: 357962

Ion Ratio Lower Upper

101 100

85 41.8 33.4 50.2

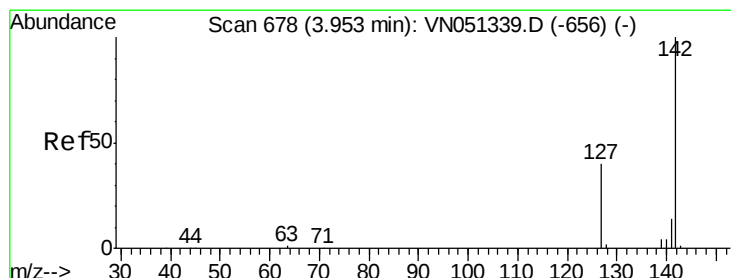
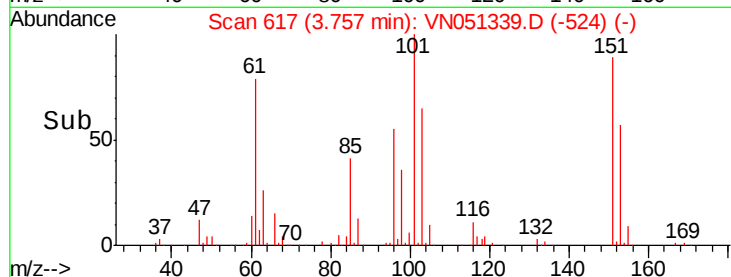
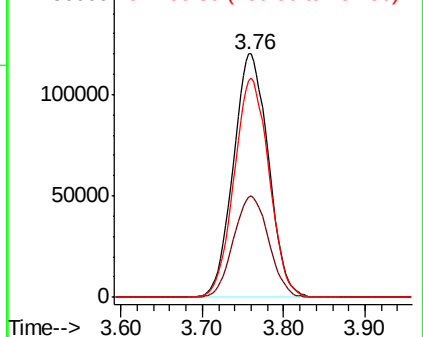
151 89.7 71.8 107.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.82 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

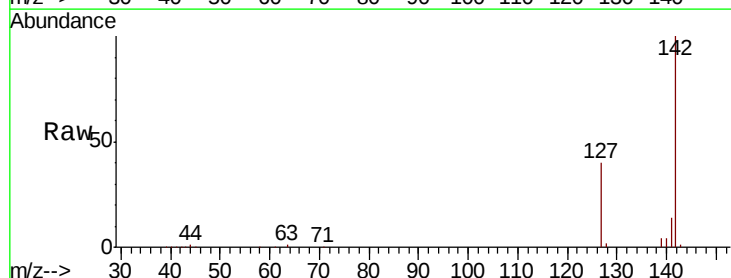
Tgt Ion:142 Resp: 579214

Ion Ratio Lower Upper

142 100

127 39.9 31.9 47.9

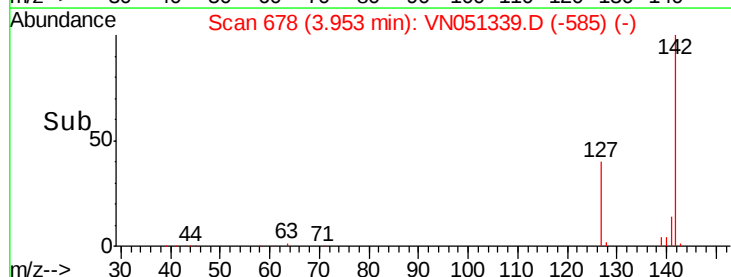
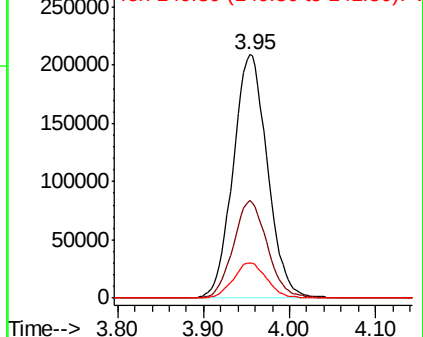
141 14.2 11.4 17.0

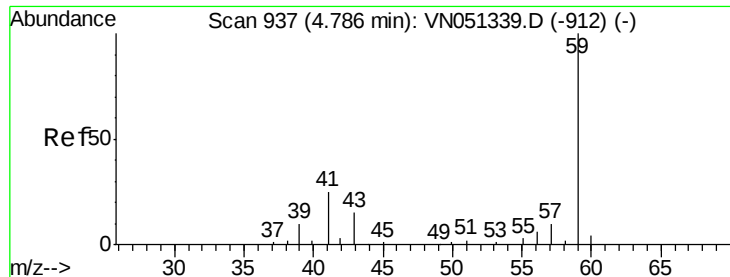


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

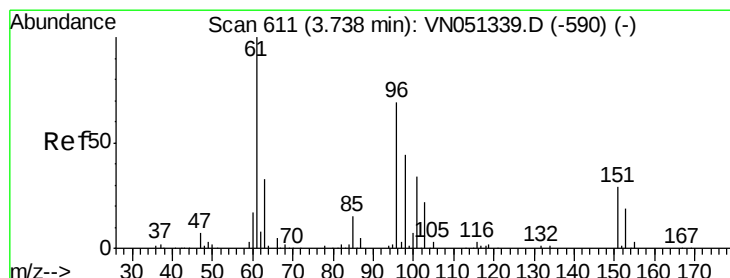
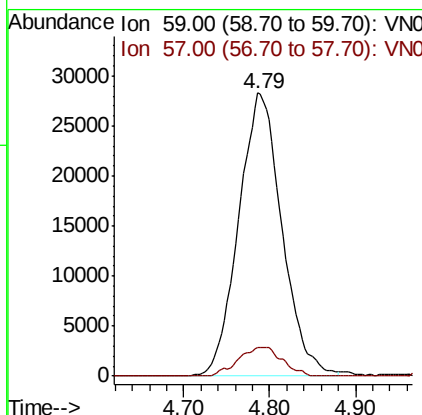
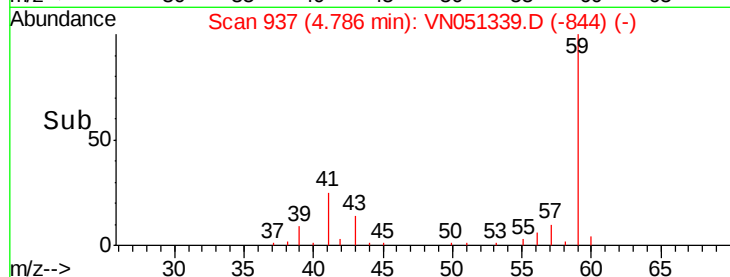
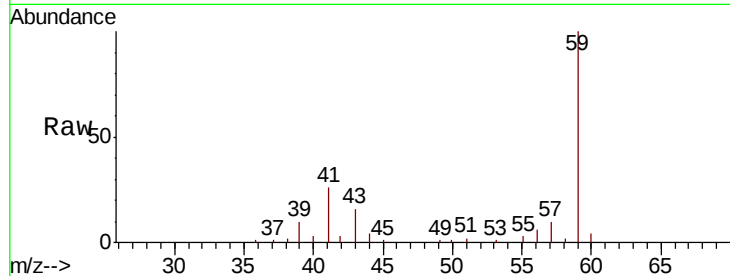




#11
Tert butyl alcohol
Concen: 235.38 ug/l
RT: 4.79 min Scan# 937
Delta R.T. 0.00 min
Lab File: VN051339.D
Acq: 20 Sep 2018 14:41

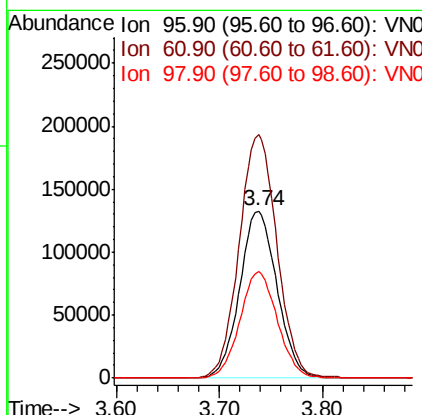
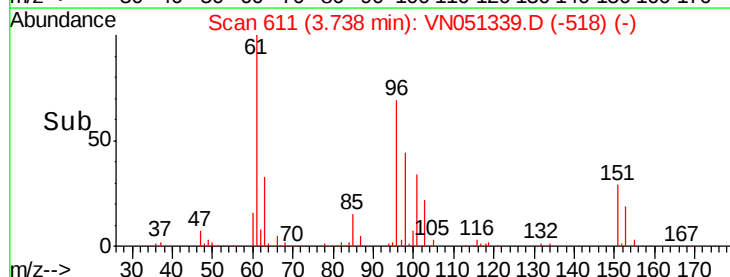
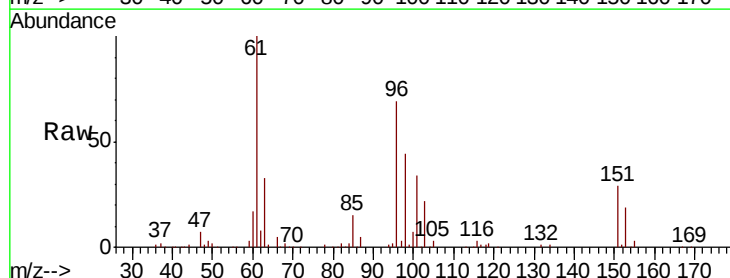
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

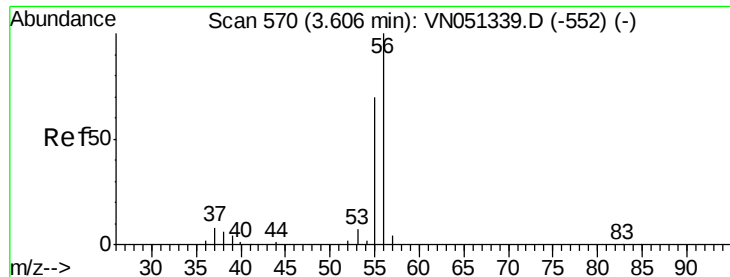
Tot Ion: 59 Resp: 98856
Ion Ratio Lower Upper
59 100
57 10.4 8.3 12.5



#12
1,1-Dichloroethene
Concen: 48.78 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN051339.D
Acq: 20 Sep 2018 14:41

Tgt Ion: 96 Resp: 333486
Ion Ratio Lower Upper
96 100
61 145.5 116.4 174.6
98 63.6 50.9 76.3





#13

Acrolein

Concen: 265.59 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

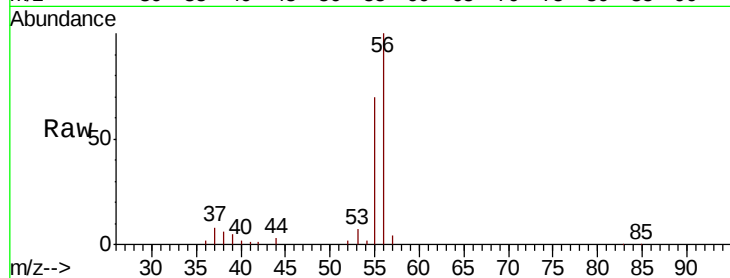
VSTDICCC050

Tot Ion: 56 Resp: 127668

Ion Ratio Lower Upper

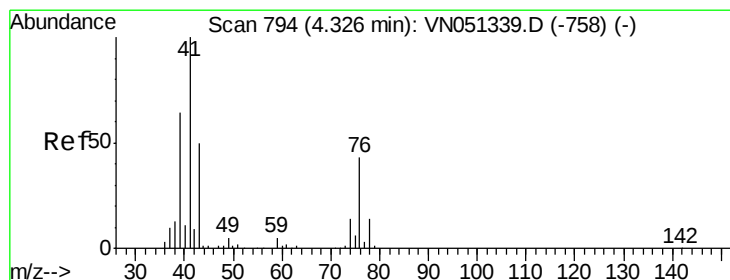
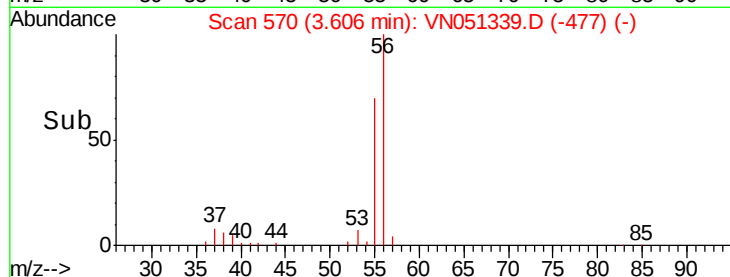
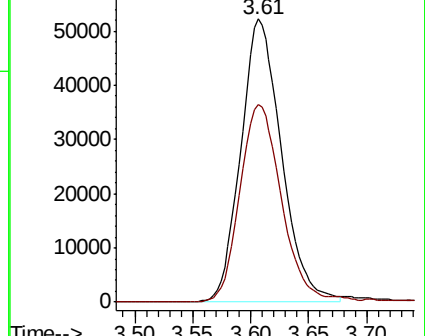
56 100

55 70.6 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 49.45 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

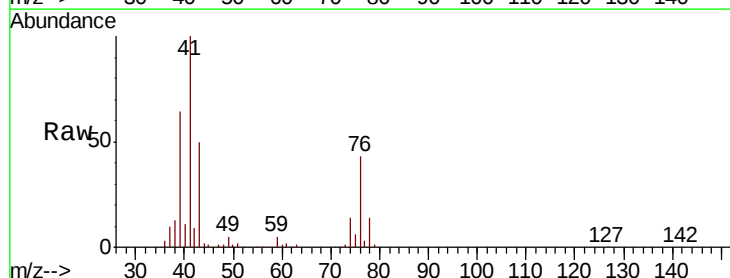
Tgt Ion: 41 Resp: 476528

Ion Ratio Lower Upper

41 100

39 63.0 50.4 75.6

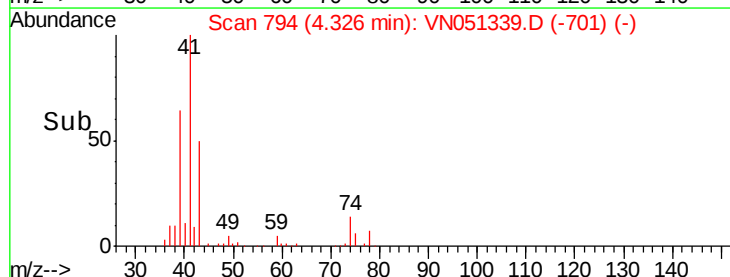
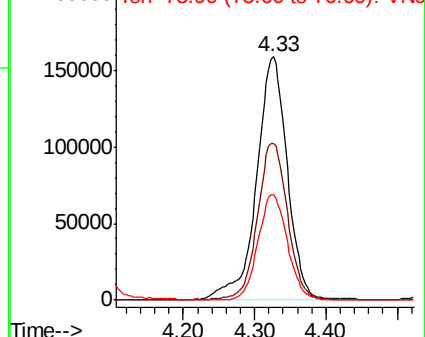
76 40.5 32.4 48.6

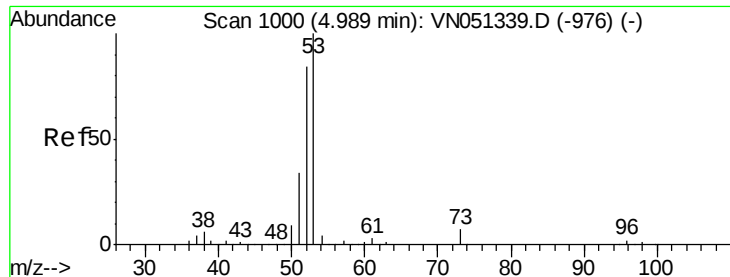


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 249.16 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

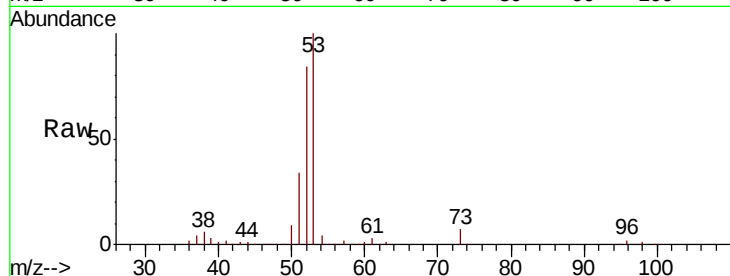
Tot Ion: 53 Resp: 530315

Ion Ratio Lower Upper

53 100

52 81.7 65.4 98.0

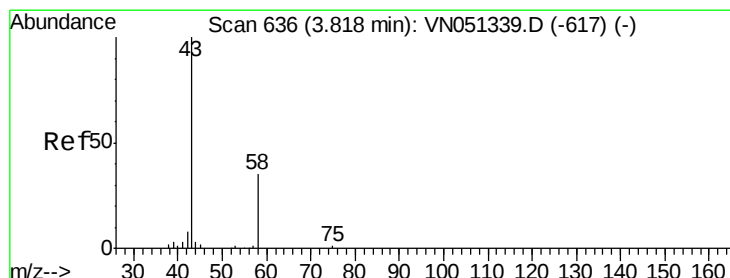
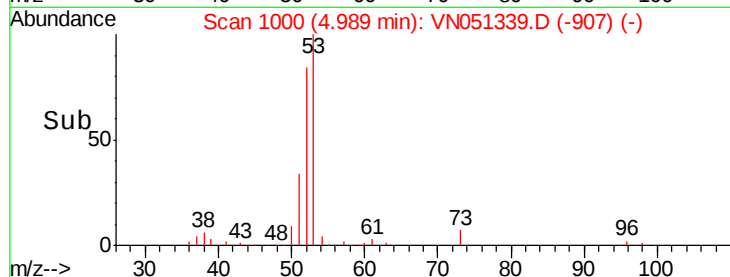
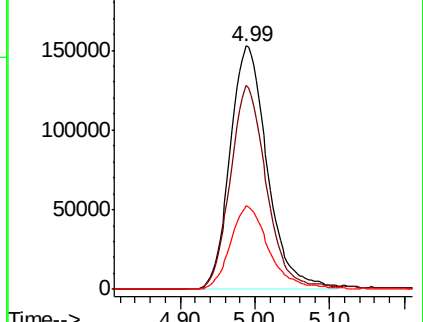
51 35.4 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN051339.D (-976) (-)

Ion 52.00 (51.70 to 52.70): VN051339.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VN051339.D (-976) (-)



#16

Acetone

Concen: 209.61 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN051339.D

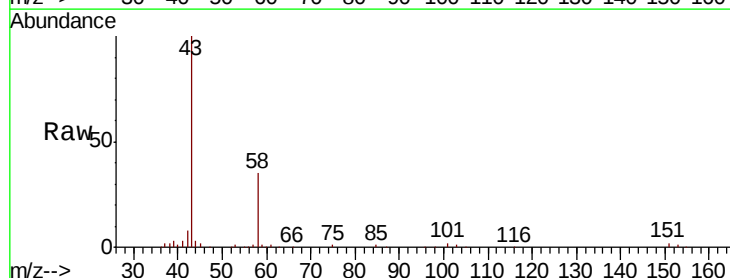
Acq: 20 Sep 2018 14:41

Tgt Ion: 43 Resp: 341104

Ion Ratio Lower Upper

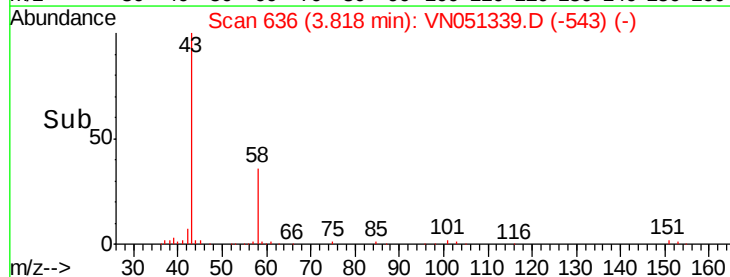
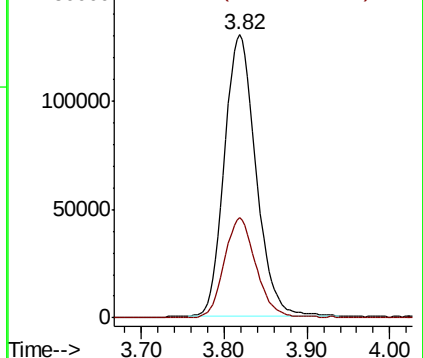
43 100

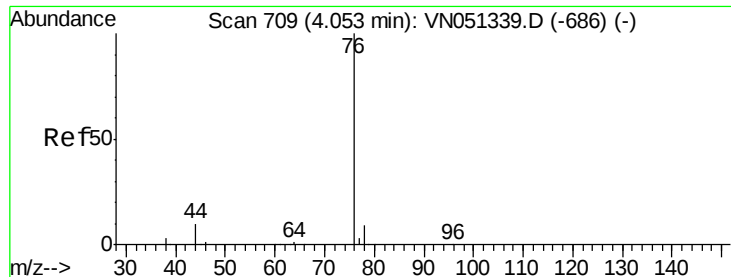
58 35.4 28.3 42.5



Abundance Ion 43.00 (42.70 to 43.70): VN051339.D (-617) (-)

Ion 58.00 (57.70 to 58.70): VN051339.D (-617) (-)

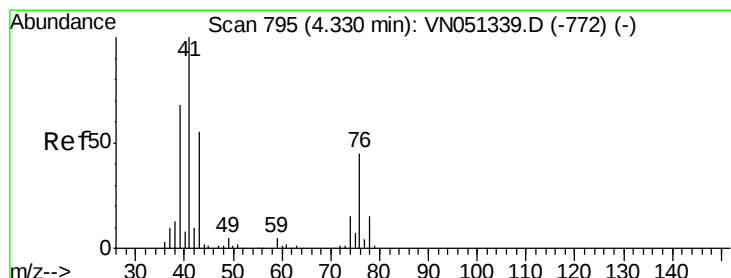
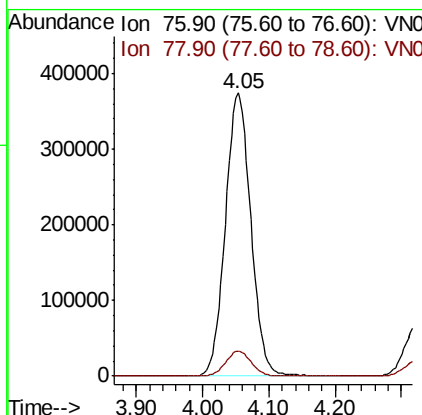
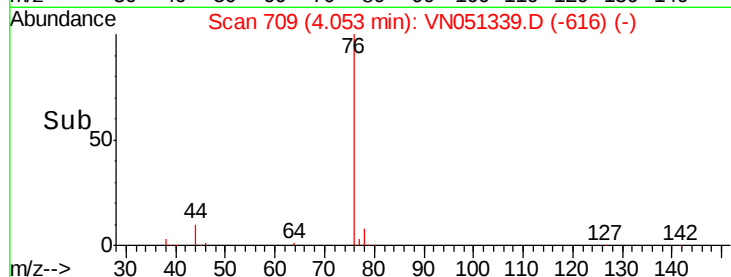
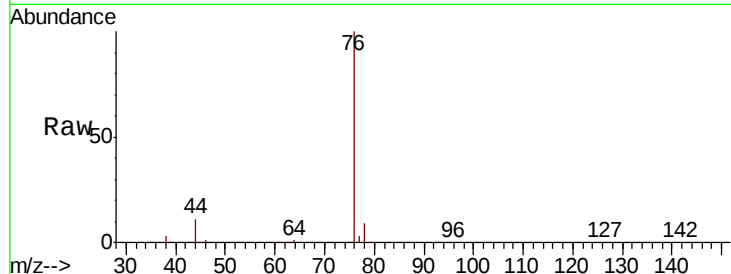




#17
Carbon Disulfide
Concen: 48.43 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051339.D
Acq: 20 Sep 2018 14:41

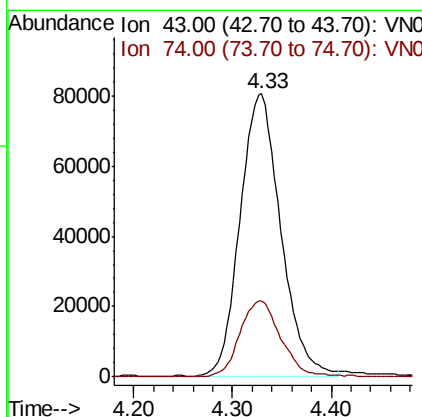
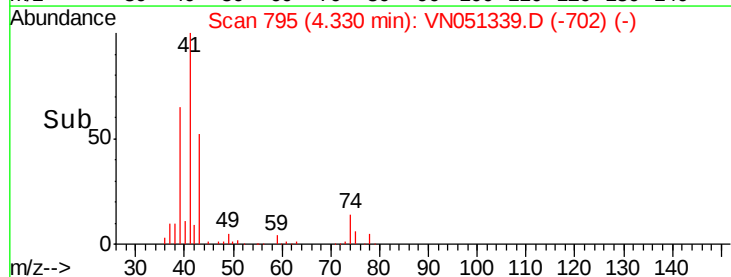
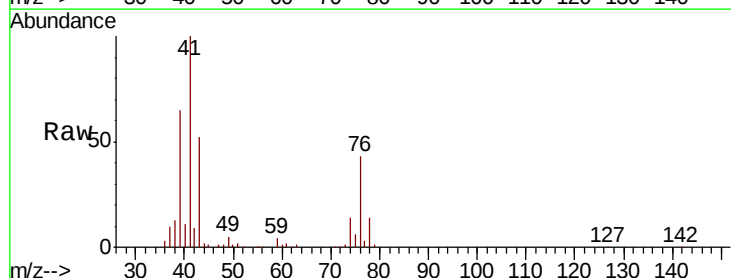
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

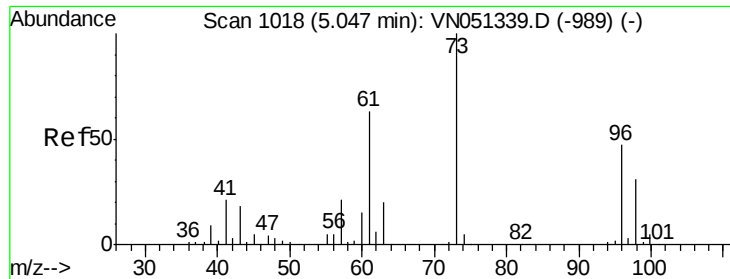
Tot Ion: 76 Resp: 997760
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#18
Methyl Acetate
Concen: 40.95 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051339.D
Acq: 20 Sep 2018 14:41

Tgt Ion: 43 Resp: 229009
Ion Ratio Lower Upper
43 100
74 27.1 21.7 32.5

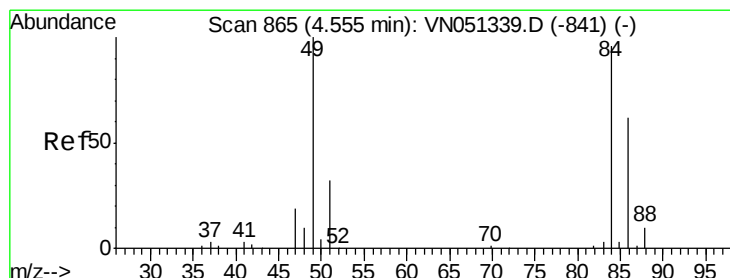
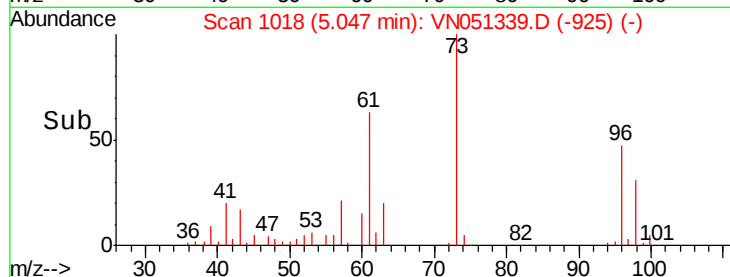
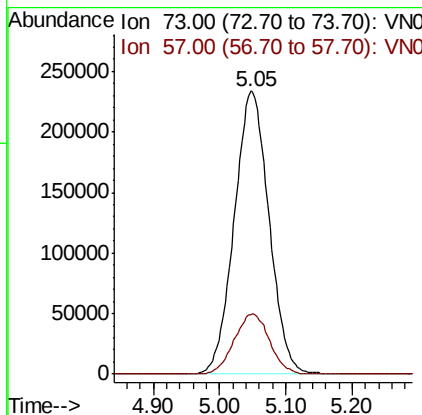
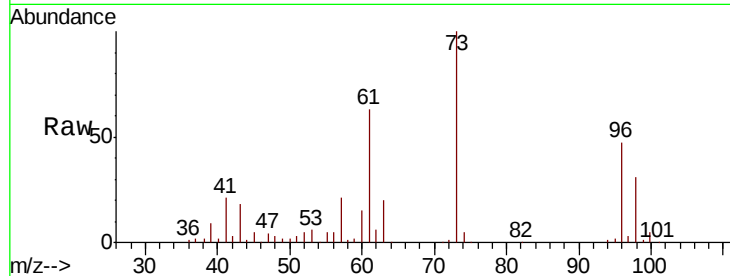




#19
Methvl tert-butvl Ether
Concen: 51.39 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051339.D
Acq: 20 Sep 2018 14:41

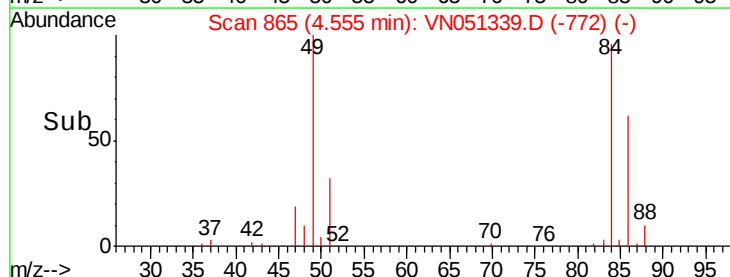
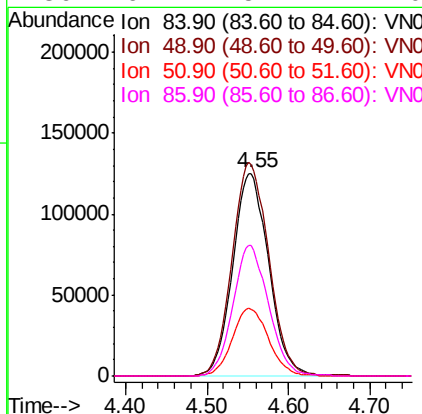
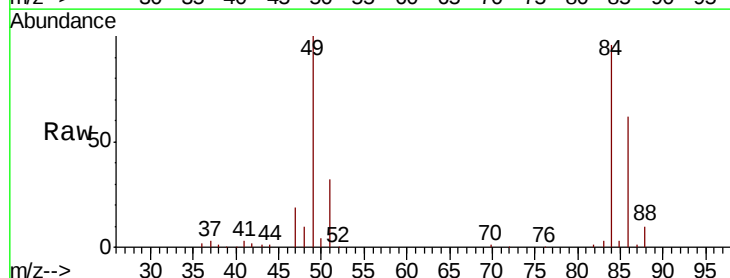
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

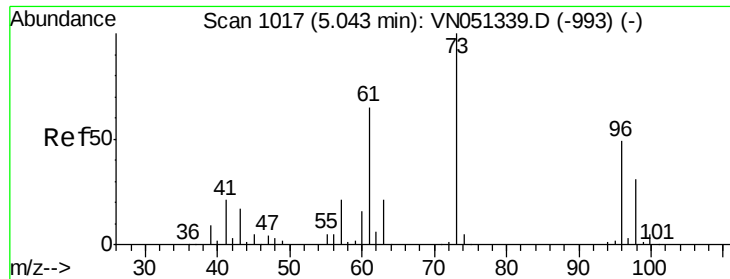
Tot Ion: 73 Resp: 850313
Ion Ratio Lower Upper
73 100
57 21.1 16.9 25.3



#20
Methylene Chloride
Concen: 47.03 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051339.D
Acq: 20 Sep 2018 14:41

Tgt Ion: 84 Resp: 382934
Ion Ratio Lower Upper
84 100
49 104.0 83.2 124.8
51 33.0 26.4 39.6
86 64.2 51.4 77.0

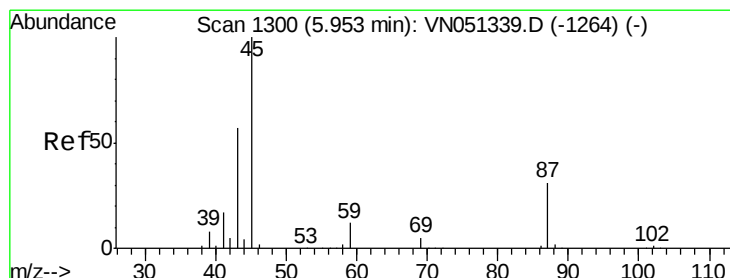
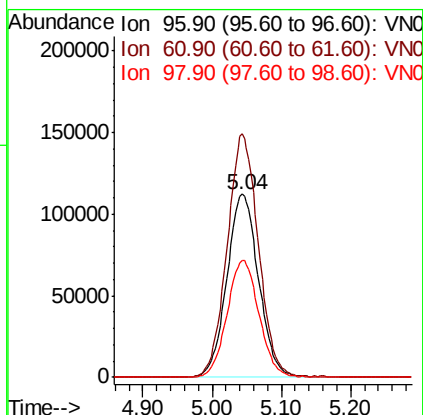
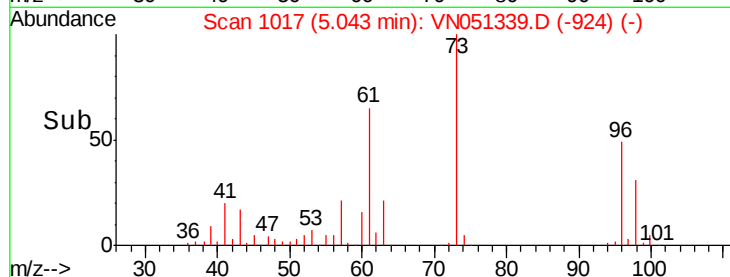
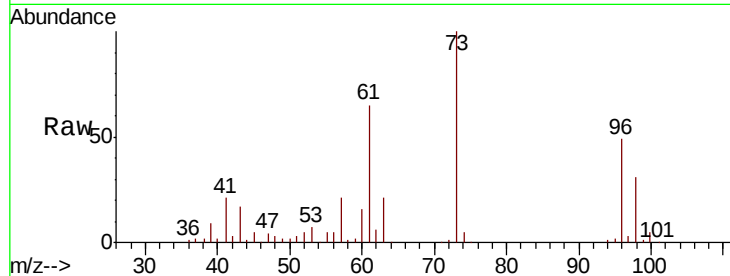




#21
trans-1,2-Dichloroethene
Concen: 49.71 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051339.D
Acq: 20 Sep 2018 14:41

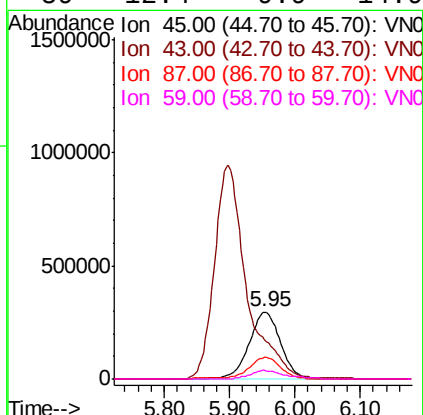
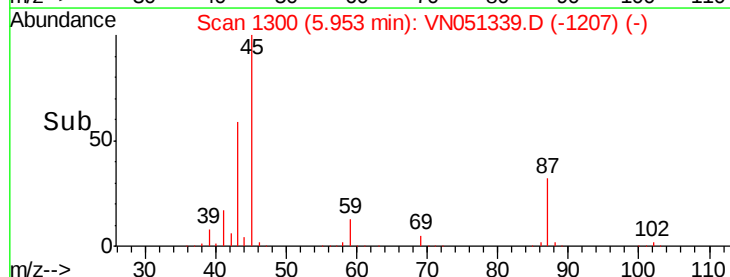
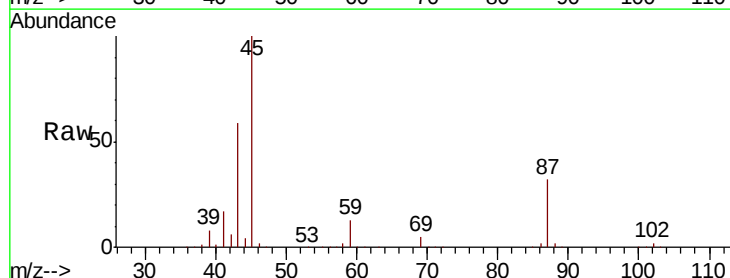
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

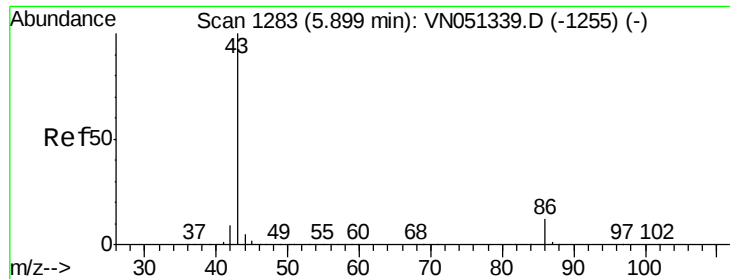
Tot Ion: 96 Resp: 358974
Ion Ratio Lower Upper
96 100
61 132.8 106.2 159.4
98 63.8 51.0 76.6



#22
Diisopropyl ether
Concen: 52.24 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051339.D
Acq: 20 Sep 2018 14:41

Tgt Ion: 45 Resp: 994471
Ion Ratio Lower Upper
45 100
43 57.6 46.1 69.1
87 32.0 25.6 38.4
59 12.4 9.9 14.9





#23

Vinyl Acetate

Concen: 264.00 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

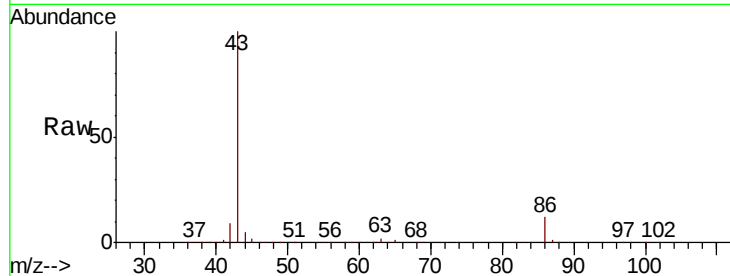
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 3250559

Ion Ratio Lower Upper

43 100

86 12.2 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN051339.D (-1255) (-)

Ion 86.00 (85.70 to 86.70): VN051339.D (-1255) (-)

5.90

1000000

800000

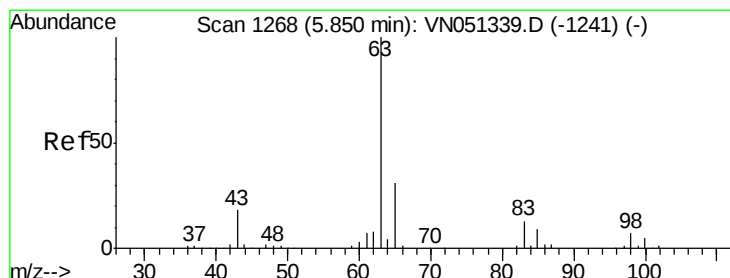
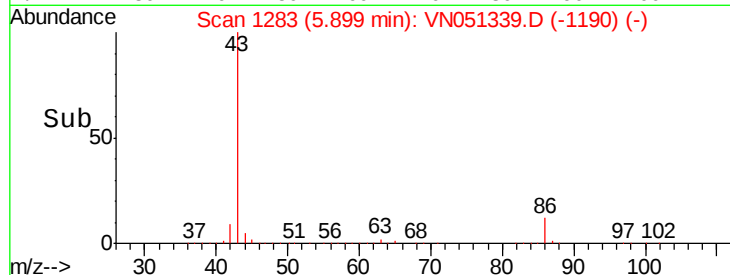
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.61 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

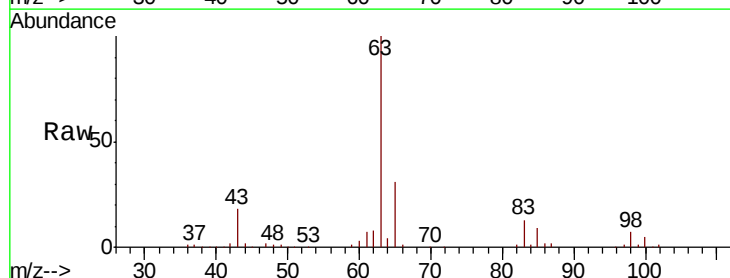
Tgt Ion: 63 Resp: 630707

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.6 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VN051339.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN051339.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN051339.D (-1241) (-)

250000

200000

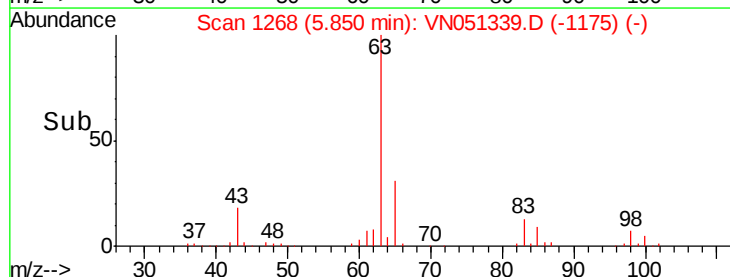
150000

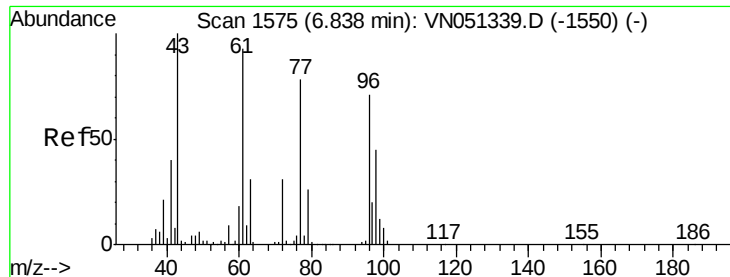
100000

50000

0

Time-->

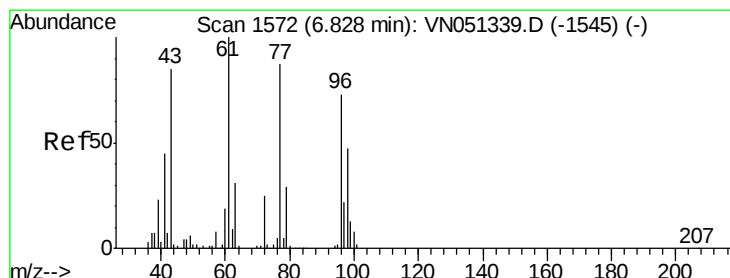
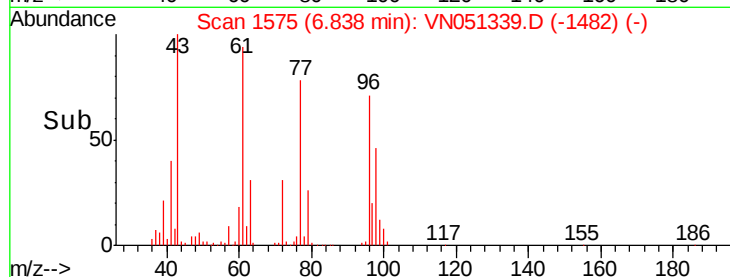
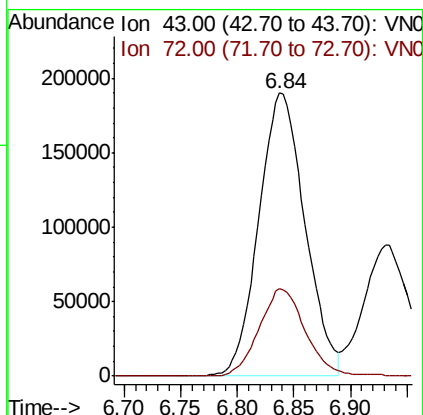
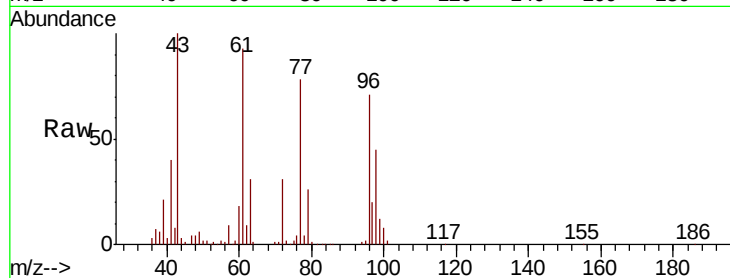




#25
2-Butanone
Concen: 237.27 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN051339.D
Acq: 20 Sep 2018 14:41

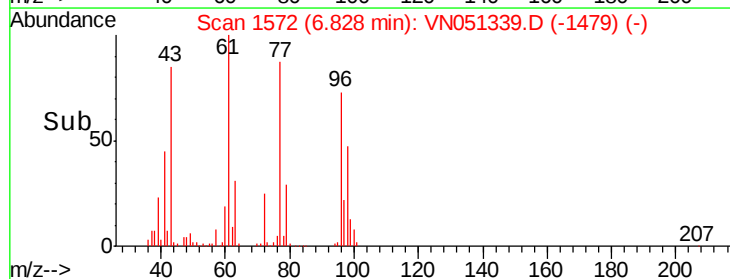
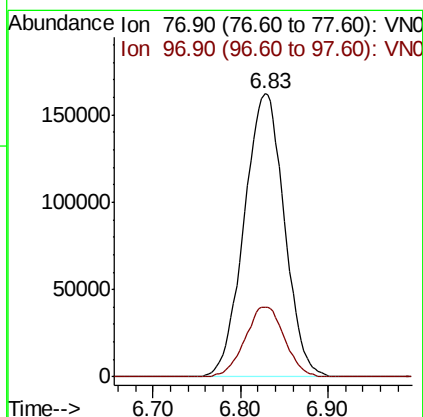
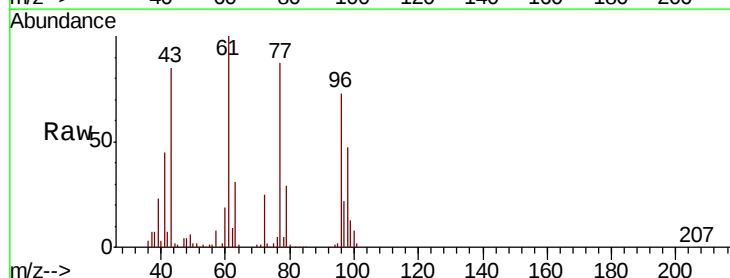
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

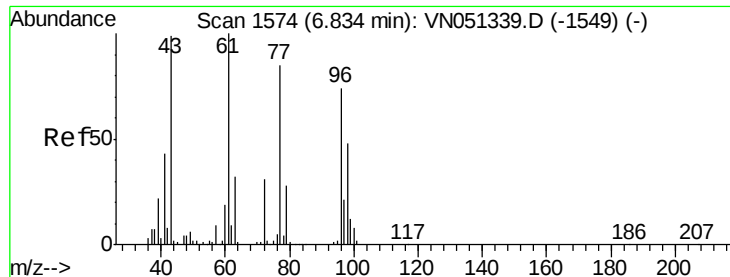
Tot Ion: 43 Resp: 537037
Ion Ratio Lower Upper
43 100
72 30.9 24.7 37.1



#26
2,2-Dichloropropane
Concen: 48.20 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051339.D
Acq: 20 Sep 2018 14:41

Tgt Ion: 77 Resp: 516766
Ion Ratio Lower Upper
77 100
97 24.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 50.09 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

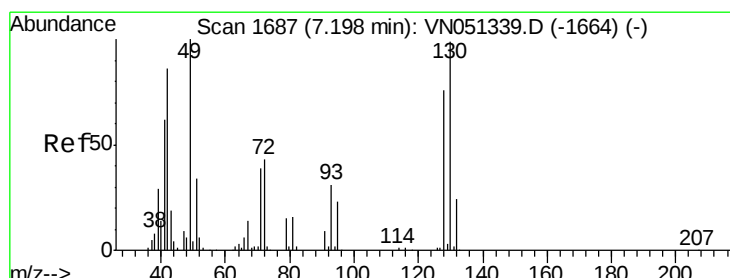
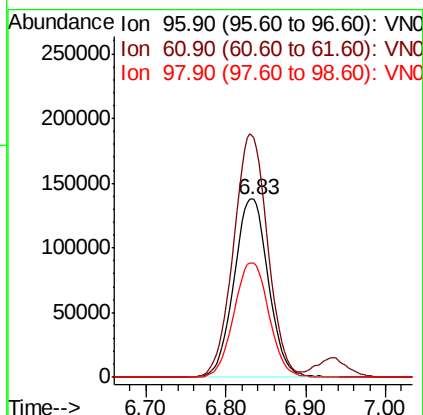
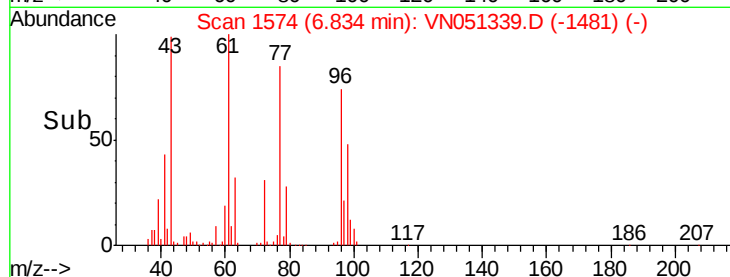
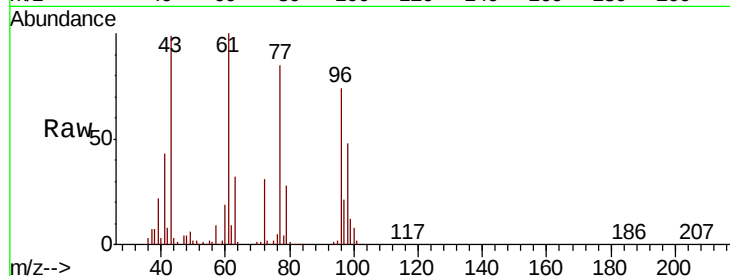
Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 96 Resp: 400822

Ion	Ratio	Lower	Upper
96	100		
61	135.6	0.0	271.2
98	65.6	0.0	131.2



#28

Bromochloromethane

Concen: 49.96 ug/l

RT: 7.20 min Scan# 1687

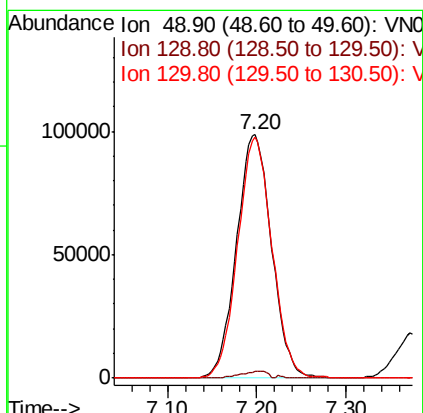
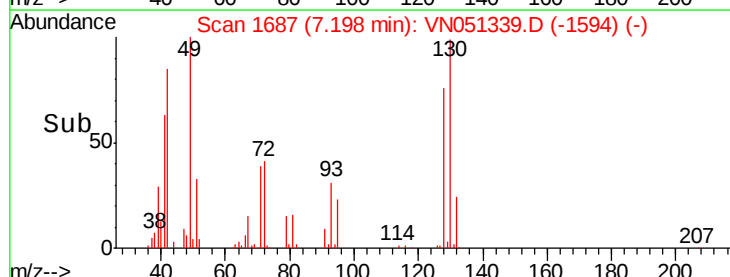
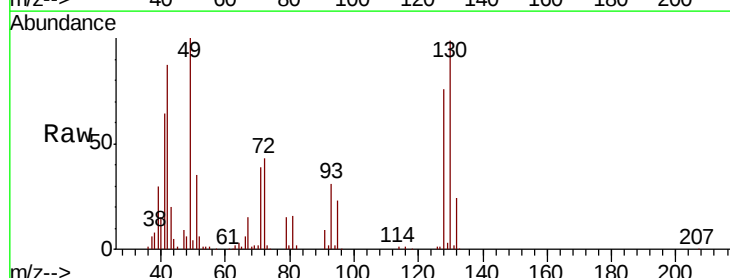
Delta R.T. 0.00 min

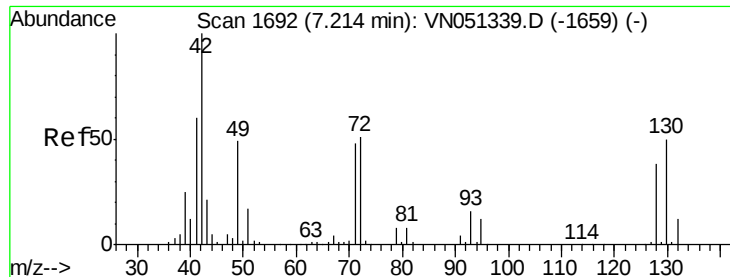
Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

Tgt Ion: 49 Resp: 268672

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	96.8	77.4	116.2

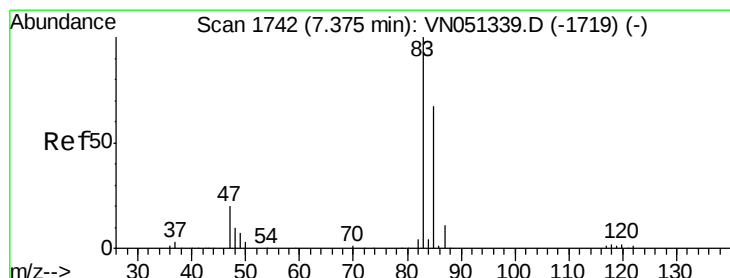
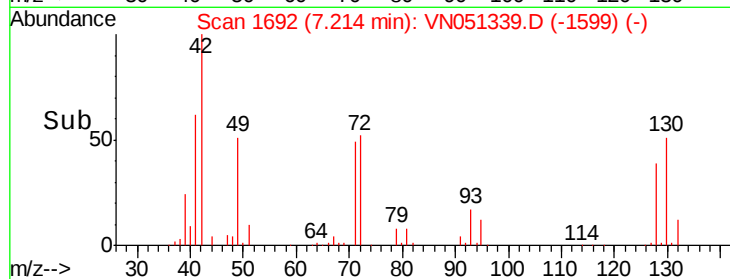
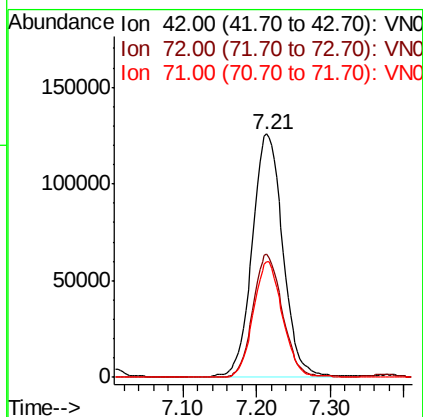
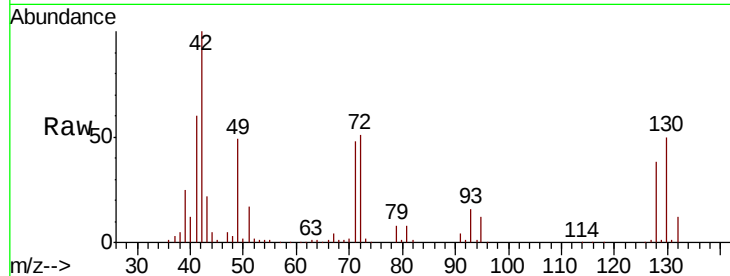




#29
Tetrahydrofuran
Concen: 253.50 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN051339.D
Acq: 20 Sep 2018 14:41

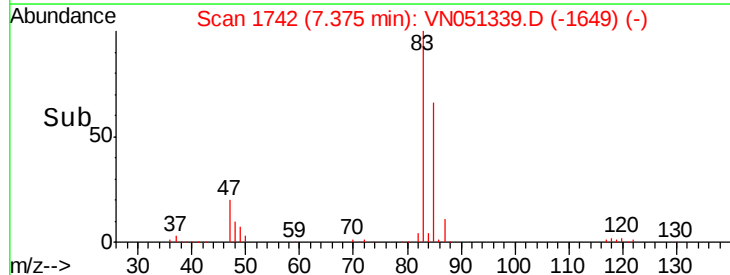
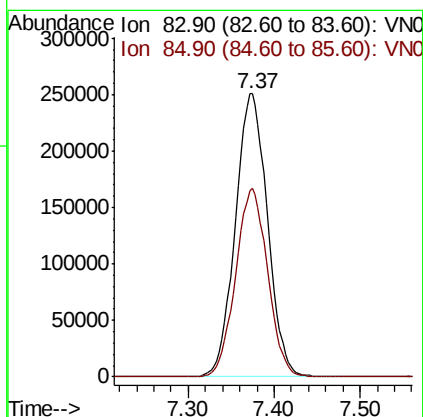
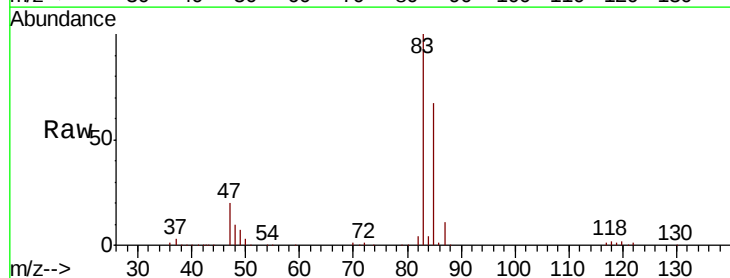
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

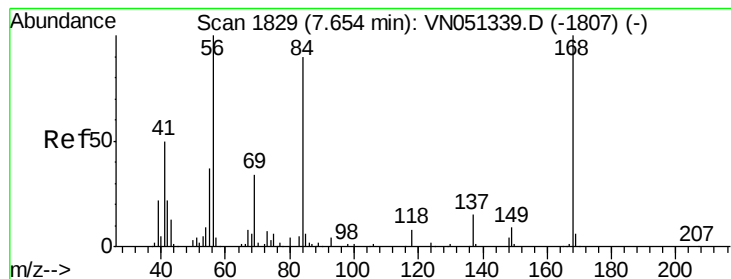
Tot Ion: 42 Resp: 363514
Ion Ratio Lower Upper
42 100
72 48.7 39.0 58.4
71 45.6 36.5 54.7



#30
Chloroform
Concen: 47.78 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051339.D
Acq: 20 Sep 2018 14:41

Tgt Ion: 83 Resp: 651479
Ion Ratio Lower Upper
83 100
85 66.5 53.2 79.8





#31

Cyclohexane

Concen: 44.70 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

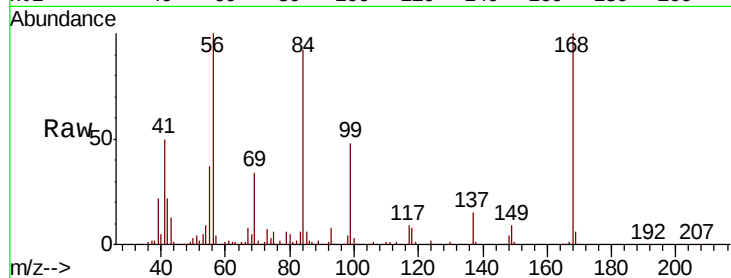
Tot Ion: 56 Resp: 570658

Ion Ratio Lower Upper

56 100

69 34.1 27.3 40.9

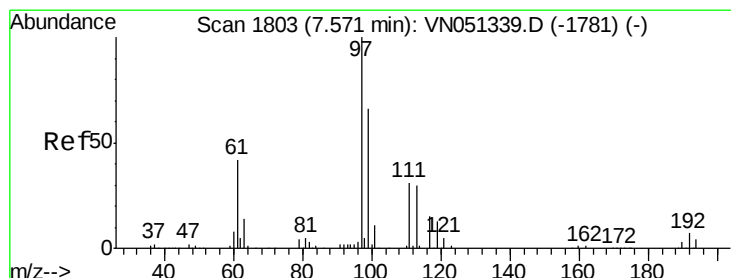
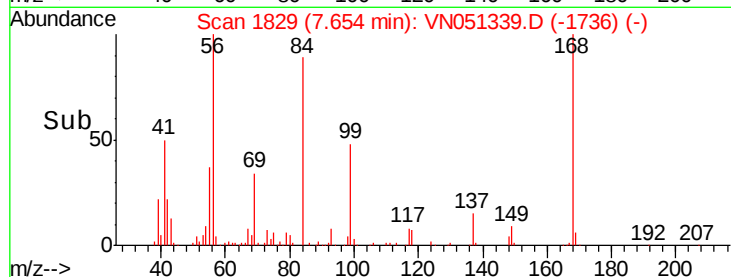
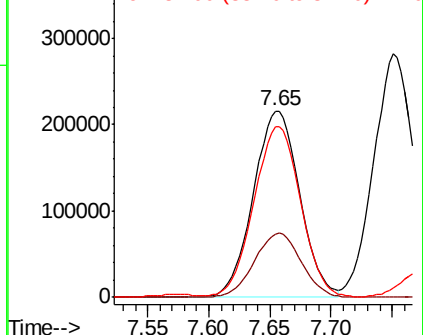
84 90.2 72.2 108.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 48.72 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

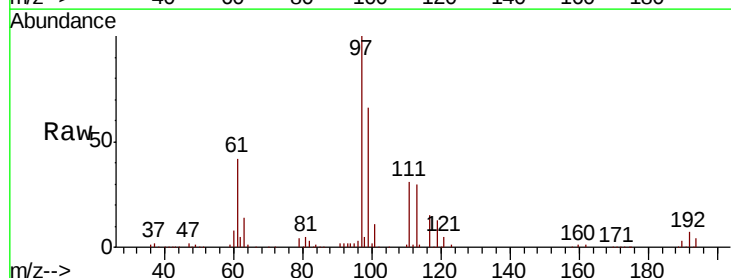
Tgt Ion: 97 Resp: 572427

Ion Ratio Lower Upper

97 100

99 63.9 51.1 76.7

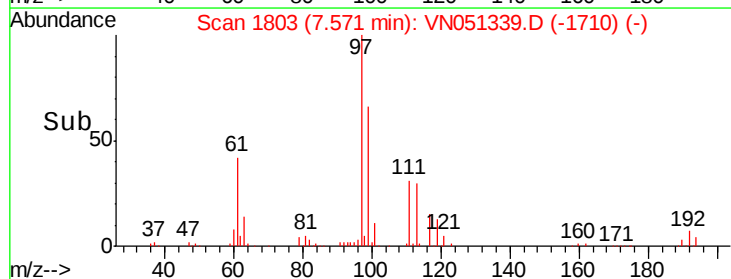
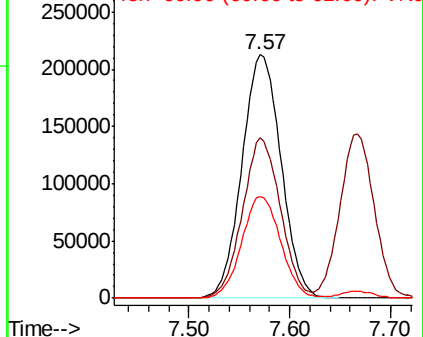
61 41.5 33.2 49.8

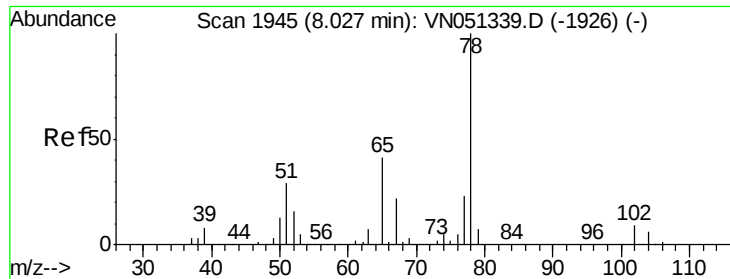


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

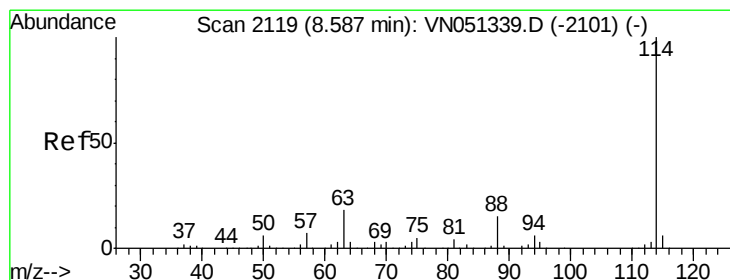
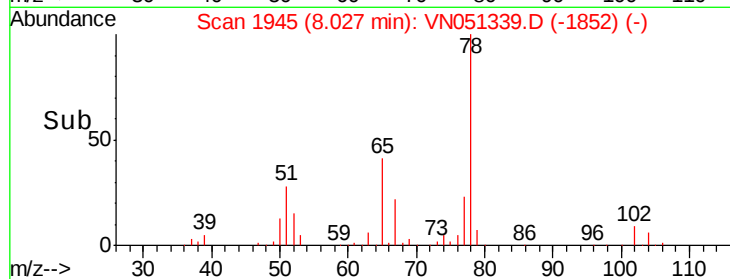
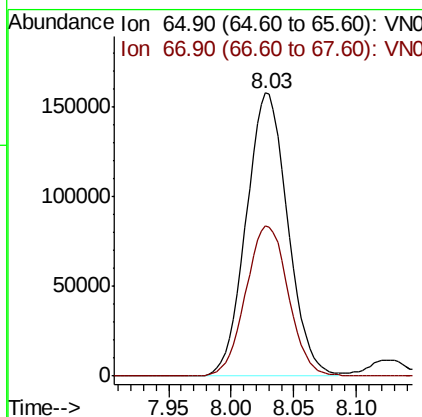
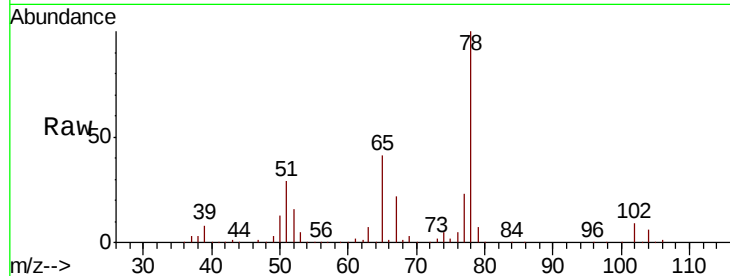




#33
 1,2-Dichloroethane-d4
 Concen: 46.00 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051339.D
 Acq: 20 Sep 2018 14:41

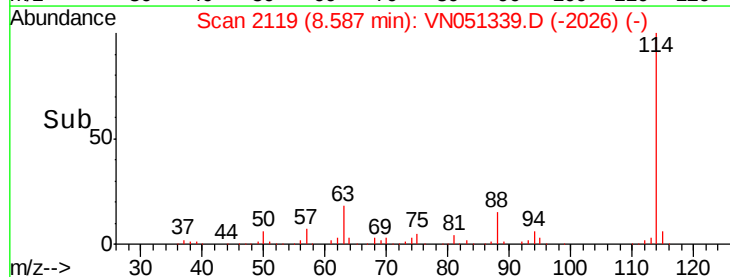
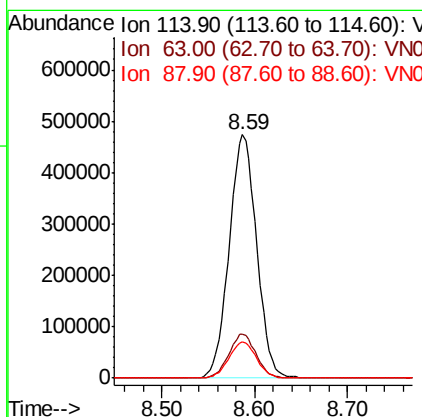
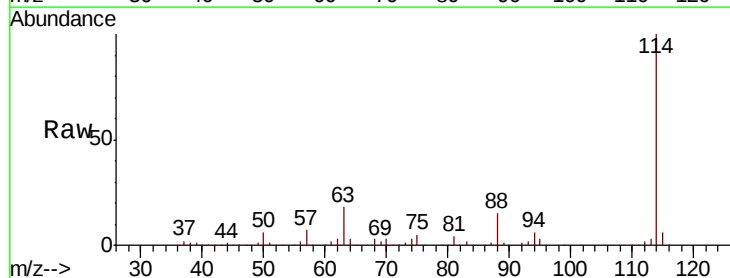
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

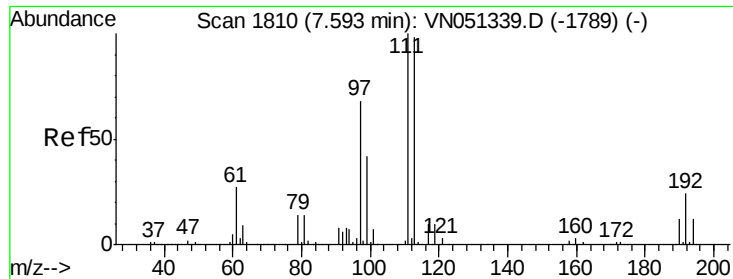
Tot Ion: 65 Resp: 364400
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051339.D
 Acq: 20 Sep 2018 14:41

Tgt Ion: 114 Resp: 971944
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 36.6
 88 14.9 0.0 29.8

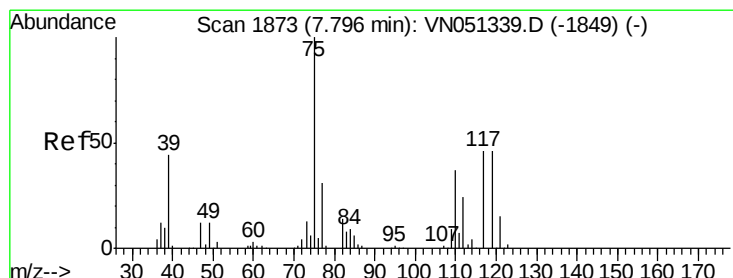
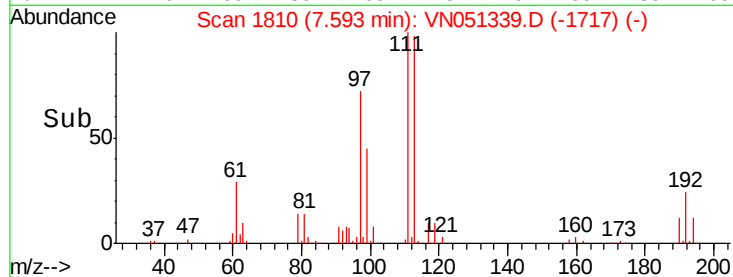
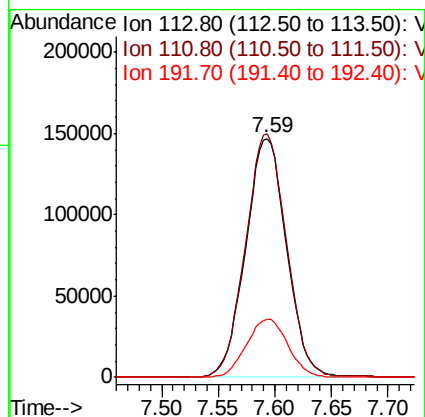
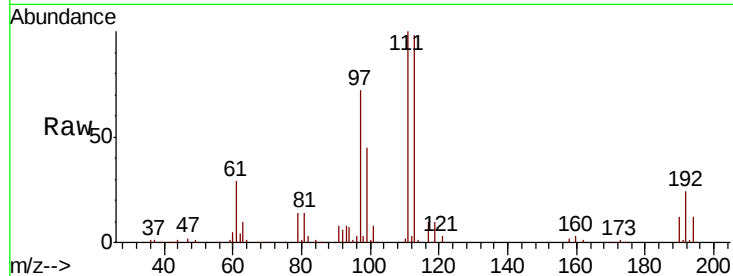




#35
 Dibromofluoromethane
 Concen: 47.09 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051339.D
 Acq: 20 Sep 2018 14:41

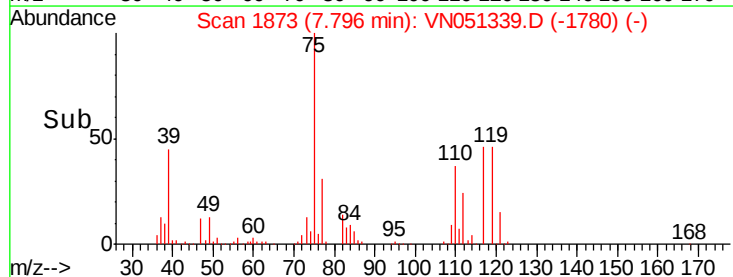
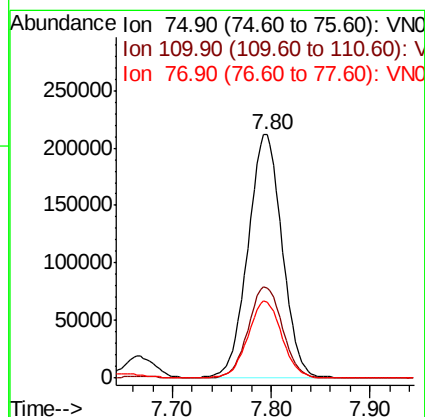
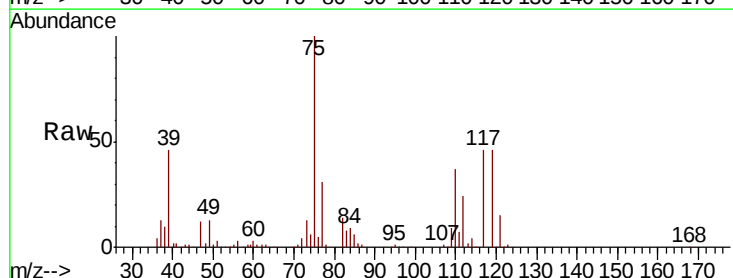
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

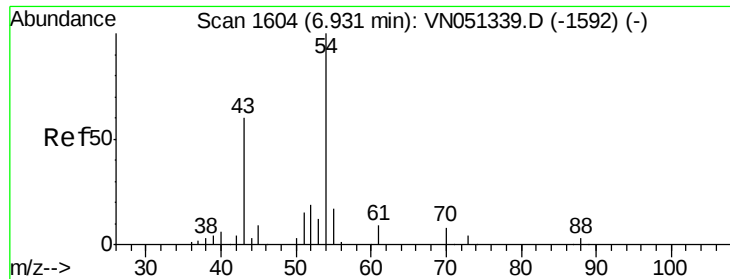
Tot Ion:113 Resp: 369847
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.9 122.9
 192 24.7 19.8 29.6



#36
 1,1-Dichloropropene
 Concen: 50.65 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051339.D
 Acq: 20 Sep 2018 14:41

Tgt Ion: 75 Resp: 503562
 Ion Ratio Lower Upper
 75 100
 110 37.7 18.9 56.5
 77 31.8 25.4 38.2

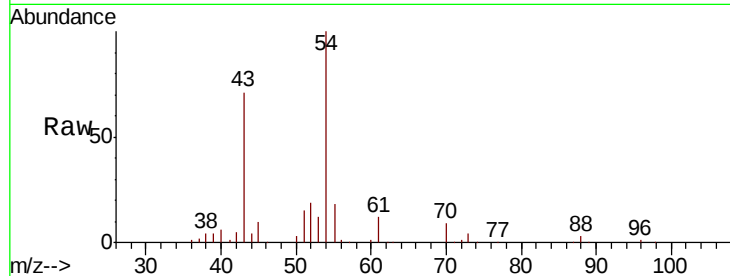




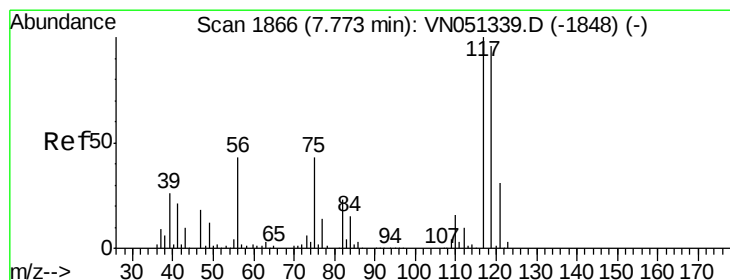
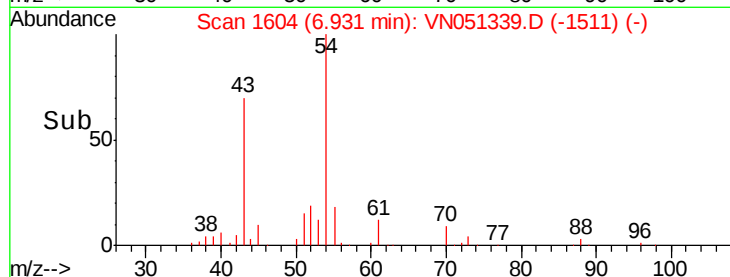
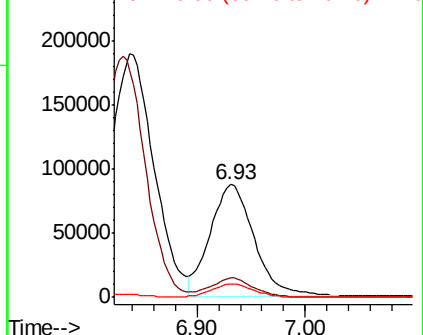
#37
Ethyl Acetate
Concen: 50.19 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051339.D
Acq: 20 Sep 2018 14:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 247037
Ion Ratio Lower Upper
43 100
61 17.0 13.6 20.4
70 11.8 9.4 14.2

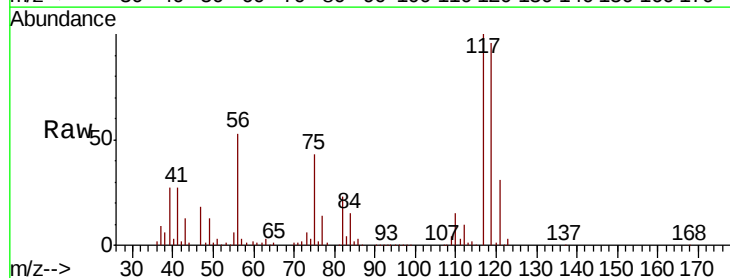


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

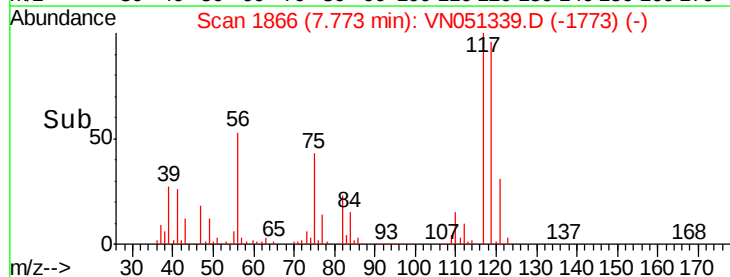
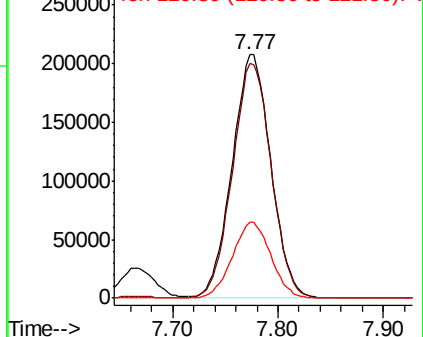


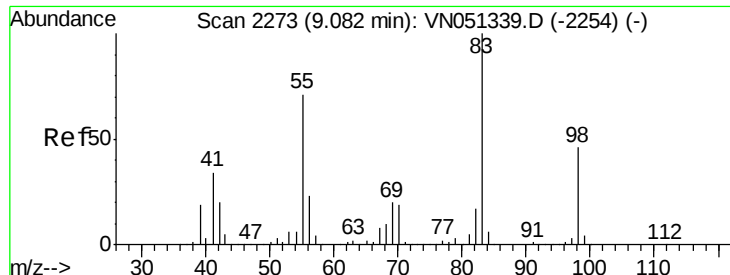
#38
Carbon Tetrachloride
Concen: 49.08 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN051339.D
Acq: 20 Sep 2018 14:41

Tgt Ion: 117 Resp: 527843
Ion Ratio Lower Upper
117 100
119 96.2 77.0 115.4
121 31.2 25.0 37.4



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

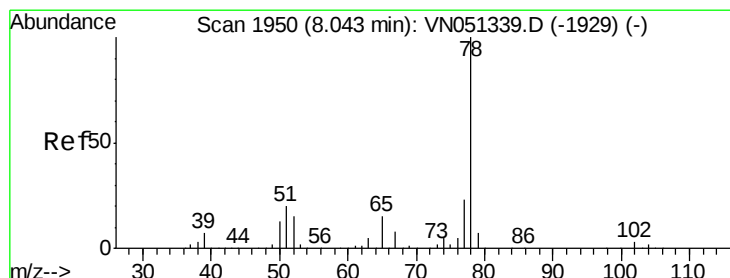
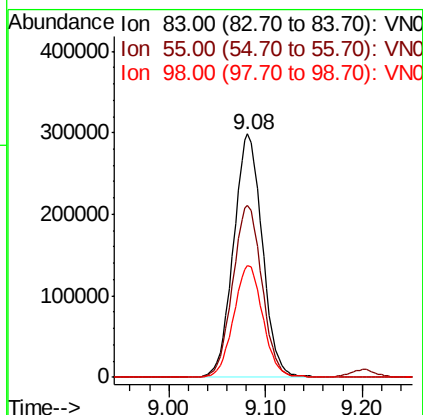
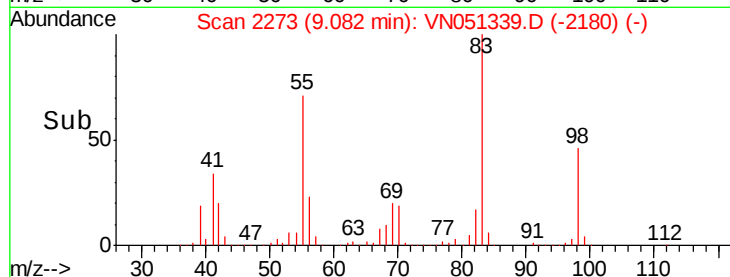
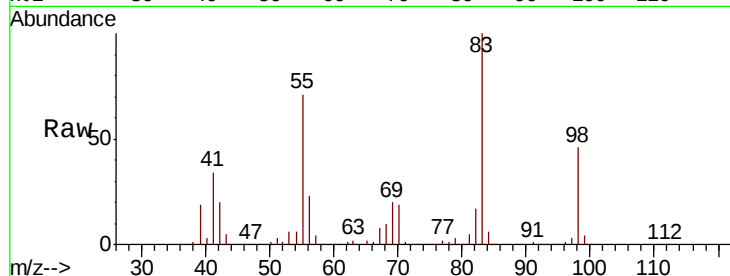




#39
Methvlcvclohexane
Concen: 53.20 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051339.D
Acq: 20 Sep 2018 14:41

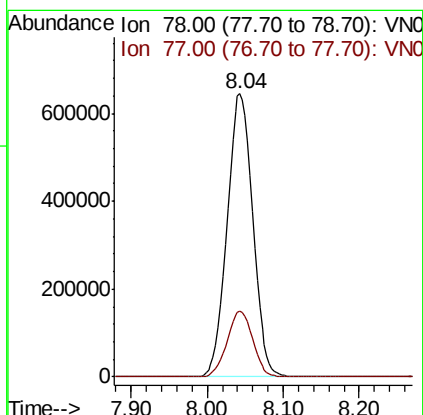
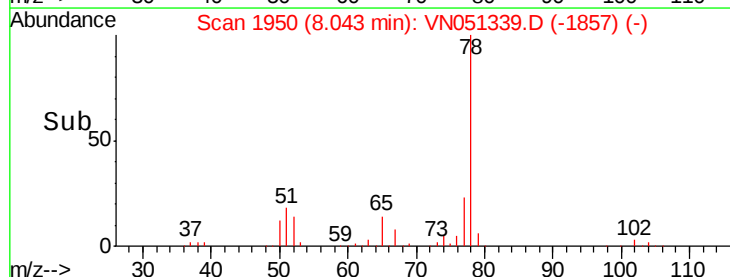
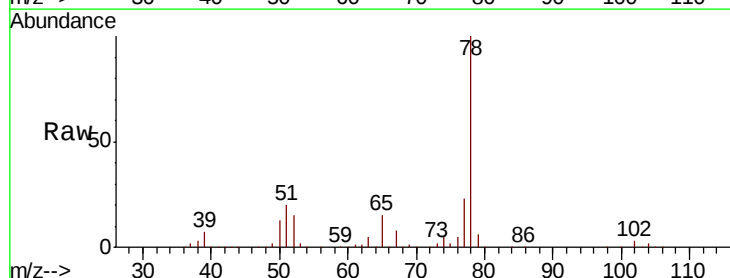
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

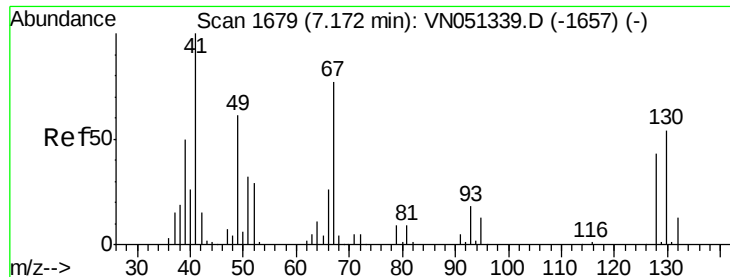
Tot Ion: 83 Resp: 617320
Ion Ratio Lower Upper
83 100
55 70.6 56.5 84.7
98 45.9 36.7 55.1



#40
Benzene
Concen: 50.69 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051339.D
Acq: 20 Sep 2018 14:41

Tgt Ion: 78 Resp: 1518387
Ion Ratio Lower Upper
78 100
77 23.1 18.5 27.7





#41

Methacrylonitrile

Concen: 51.54 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 132150

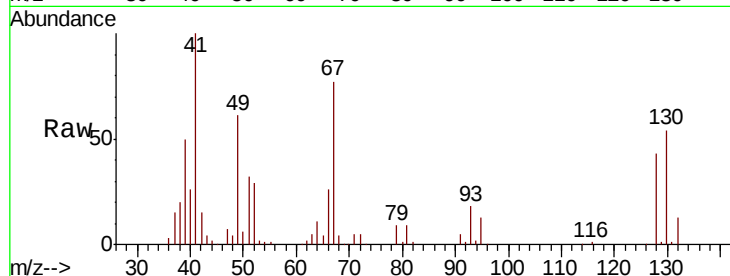
Ion Ratio Lower Upper

41 100

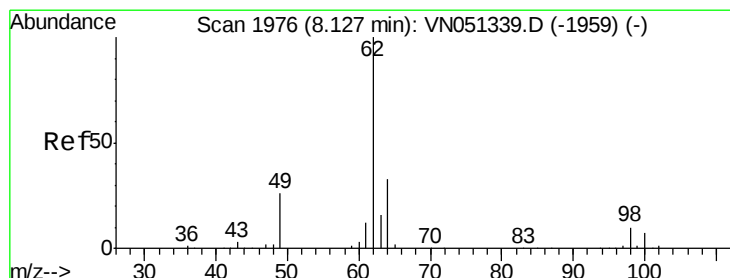
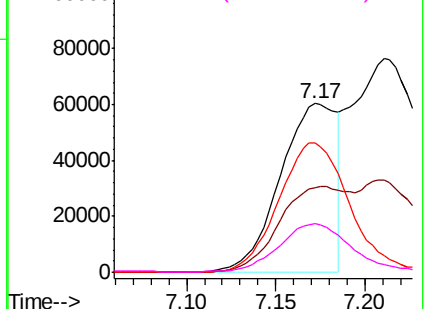
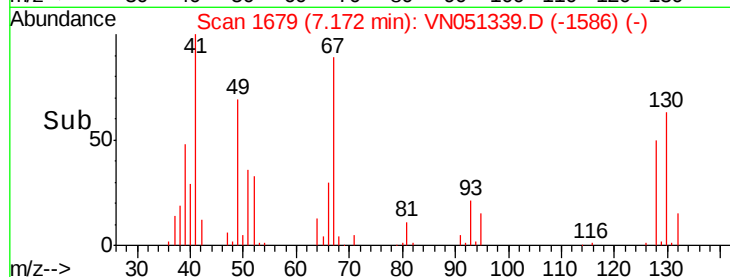
39 64.1 51.3 76.9

67 96.2 77.0 115.4

52 38.0 30.4 45.6



Abundance Ion 41.00 (40.70 to 41.70): VNO
120000
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 49.22 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN051339.D

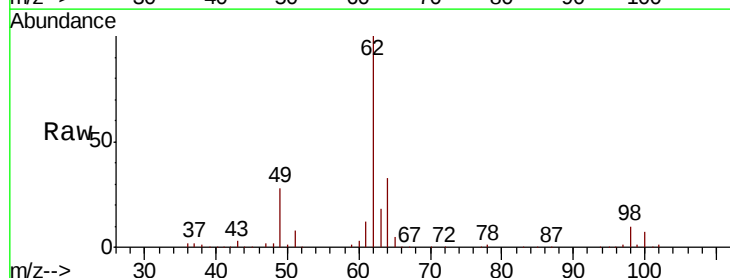
Acq: 20 Sep 2018 14:41

Tgt Ion: 62 Resp: 445386

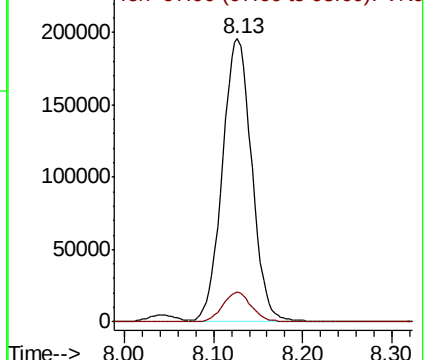
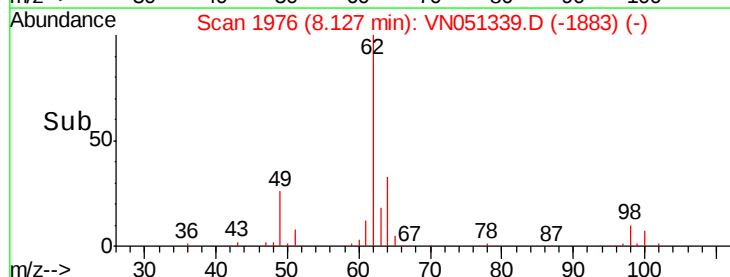
Ion Ratio Lower Upper

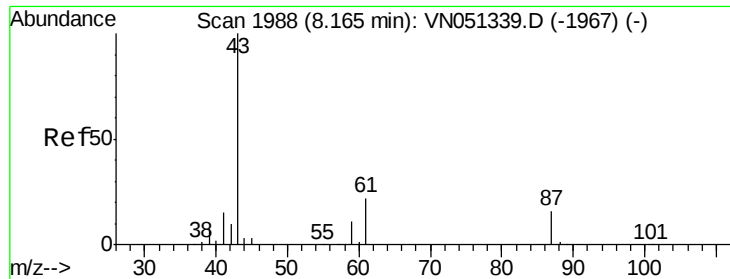
62 100

98 10.3 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
200000
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 51.95 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

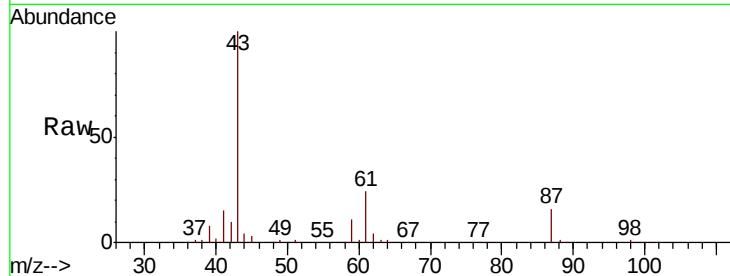
Tot Ion: 43 Resp: 447802

Ion Ratio Lower Upper

43 100

61 22.6 18.1 27.1

87 16.0 12.8 19.2



Abundance Ion 43.00 (42.70 to 43.70): VN051339.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN051339.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN051339.D (-1967) (-)

8.17

250000

200000

150000

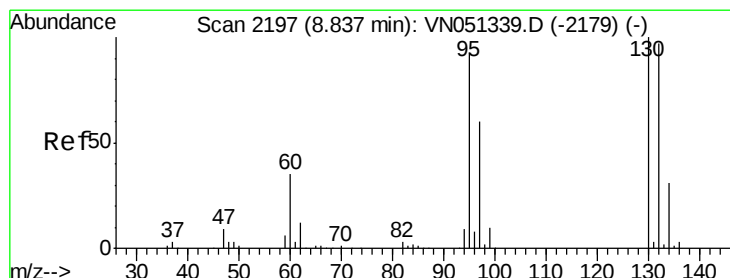
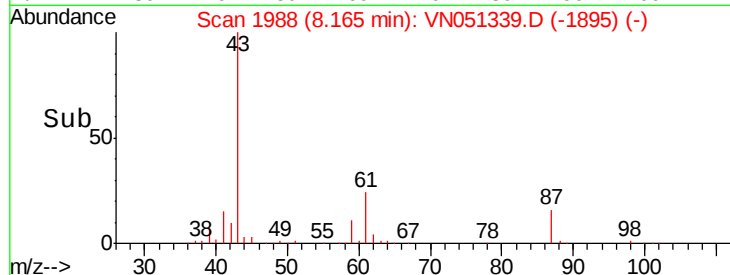
100000

50000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 49.39 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051339.D

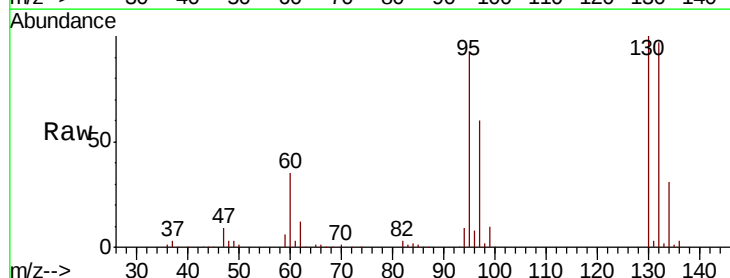
Acq: 20 Sep 2018 14:41

Tgt Ion:130 Resp: 424743

Ion Ratio Lower Upper

130 100

95 92.8 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): VN051339.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051339.D (-2179) (-)

8.84

200000

150000

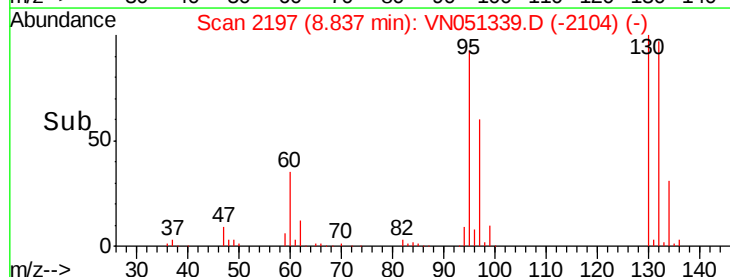
100000

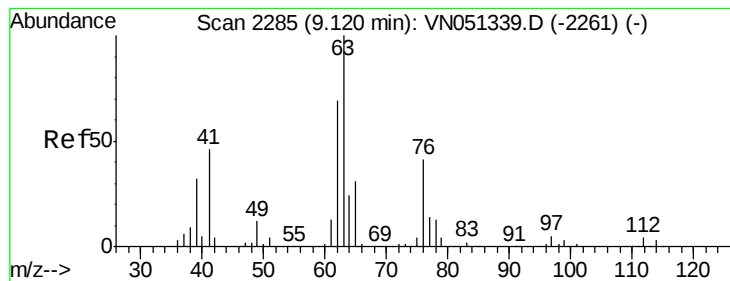
50000

0

8.75 8.80 8.85 8.90 8.95

Time-->





#45

1,2-Dichloropropane

Concen: 49.73 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

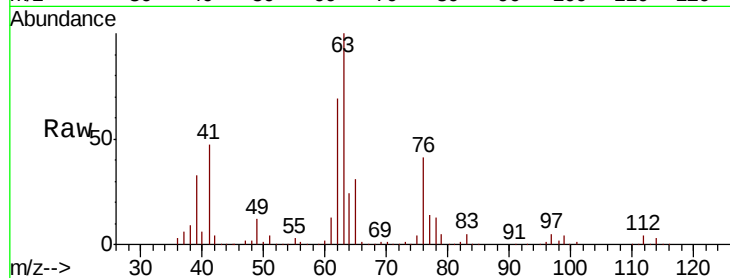
VSTDICCC050

Tot Ion: 63 Resp: 381181

Ion Ratio Lower Upper

63 100

65 30.9 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

200000

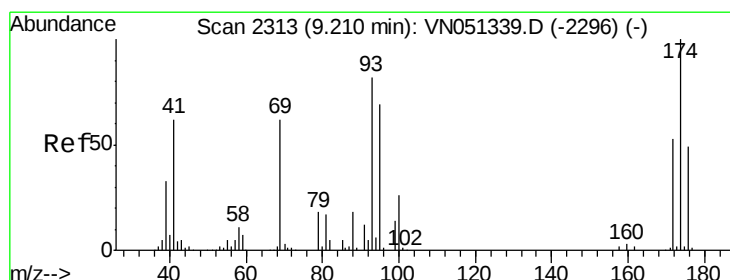
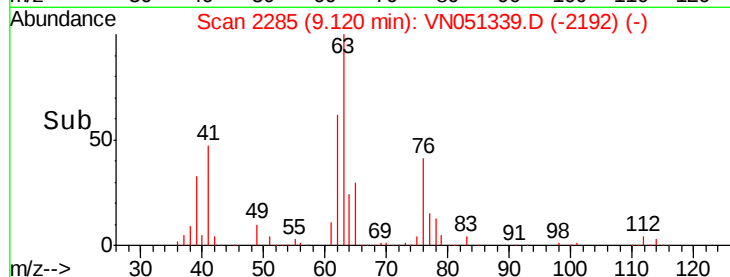
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 49.44 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

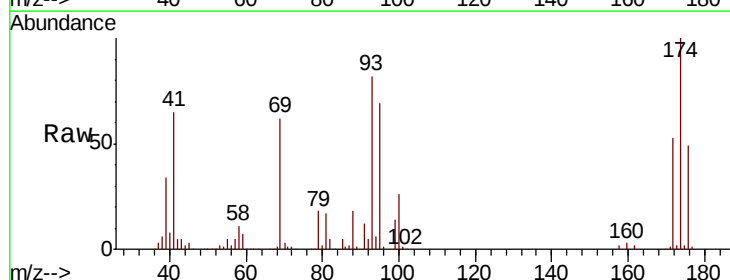
Tgt Ion: 93 Resp: 233628

Ion Ratio Lower Upper

93 100

95 84.5 67.6 101.4

174 123.6 98.9 148.3



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

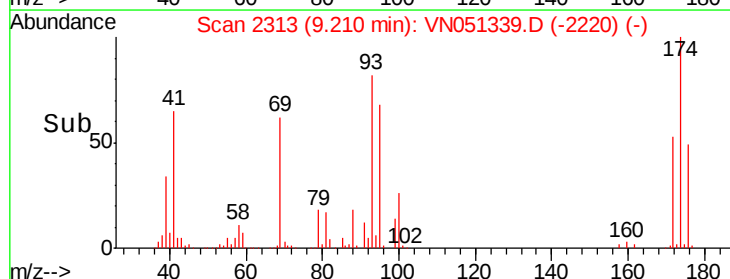
150000

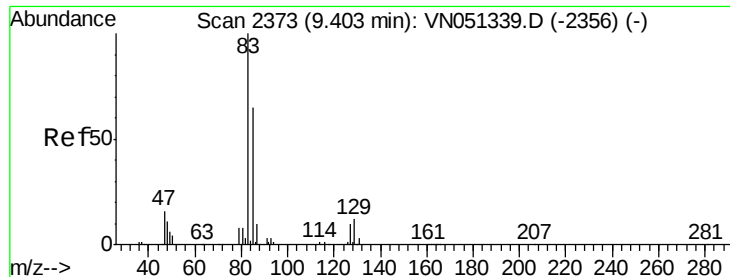
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 49.57 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

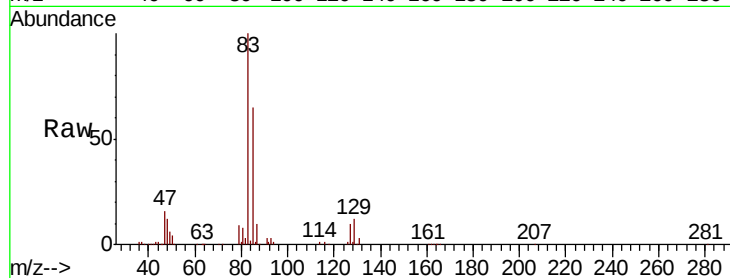
Tot Ion: 83 Resp: 499644

Ion Ratio Lower Upper

83 100

85 64.5 51.6 77.4

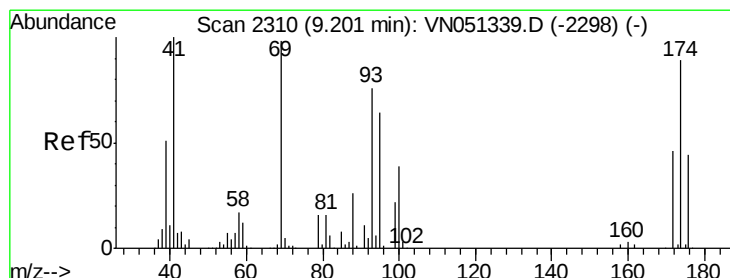
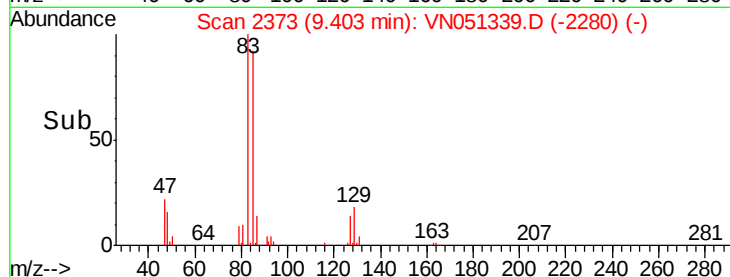
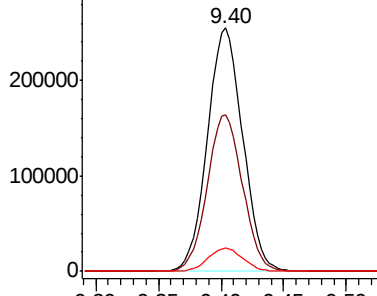
127 9.7 7.8 11.6



Abundance Ion 82.90 (82.60 to 83.60): VN051339.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN051339.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN051339.D (-2356) (-)



#48

Methyl methacrylate

Concen: 51.87 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

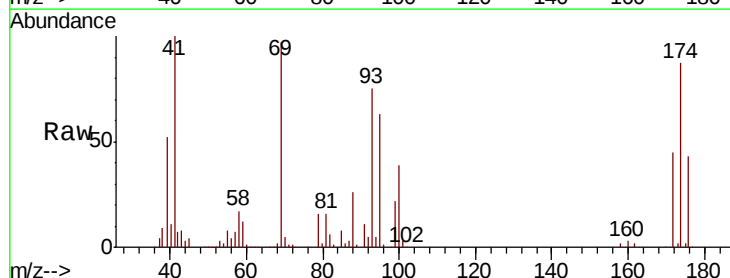
Tgt Ion: 41 Resp: 227932

Ion Ratio Lower Upper

41 100

69 99.2 79.4 119.0

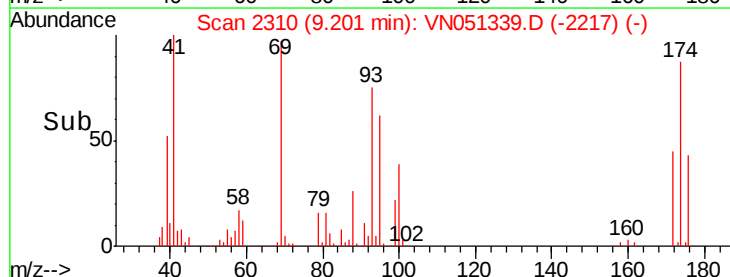
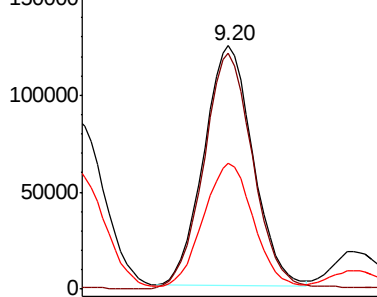
39 53.8 43.0 64.6

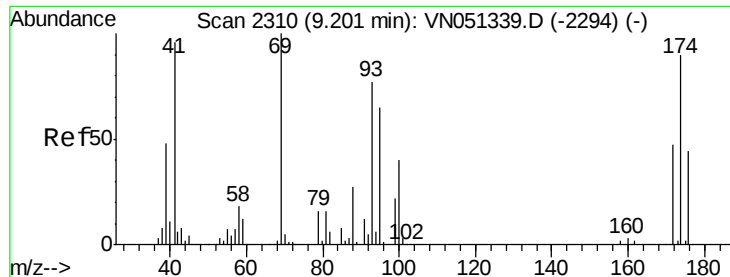


Abundance Ion 41.00 (40.70 to 41.70): VN051339.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN051339.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN051339.D (-2298) (-)





#49

1,4-Dioxane

Concen: 1030.18 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

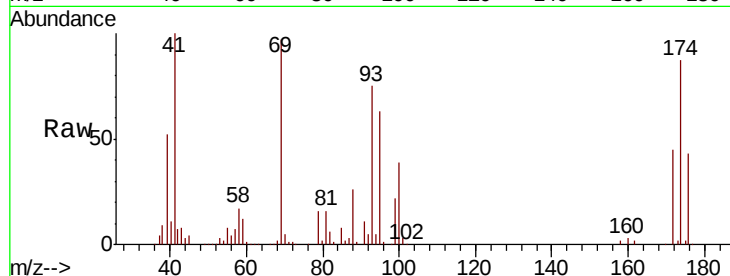
Tot Ion: 88 Resp: 66947

Ion Ratio Lower Upper

88 100

43 29.4 23.5 35.3

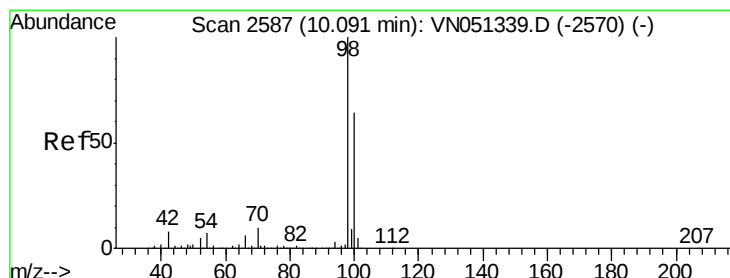
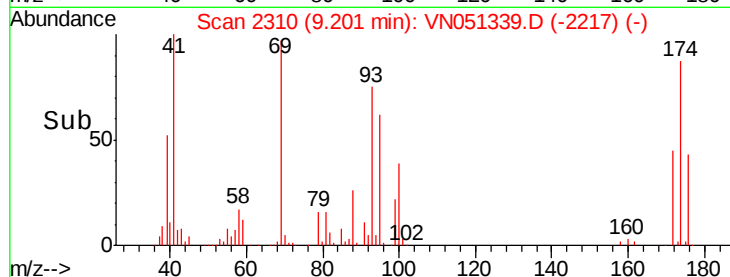
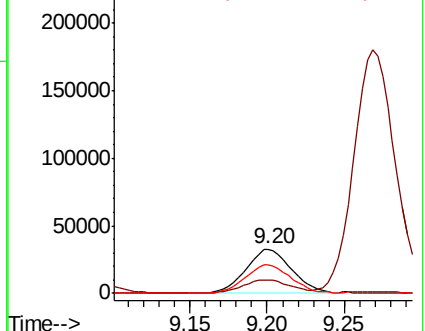
58 65.1 52.1 78.1



Abundance Ion 88.00 (87.70 to 88.70): VN051339.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN051339.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN051339.D (-2294) (-)



#50

Toluene-d8

Concen: 47.10 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051339.D

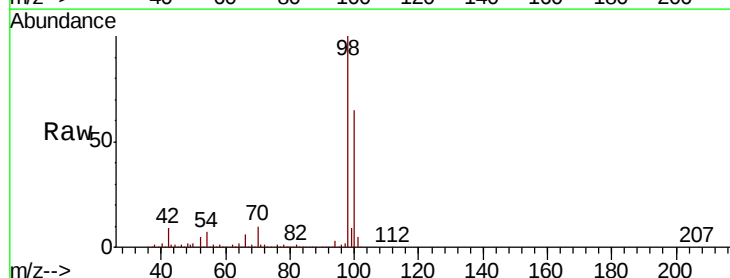
Acq: 20 Sep 2018 14:41

Tgt Ion: 98 Resp: 1422256

Ion Ratio Lower Upper

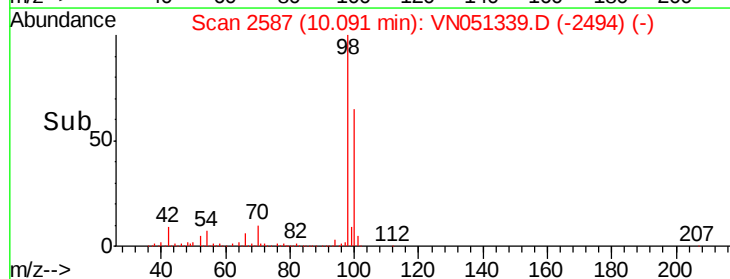
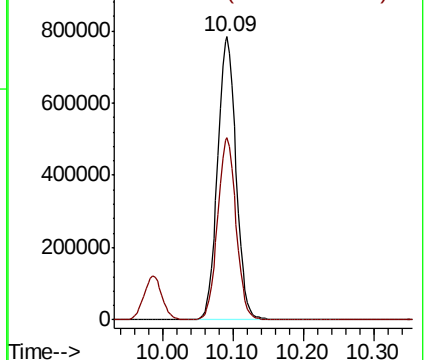
98 100

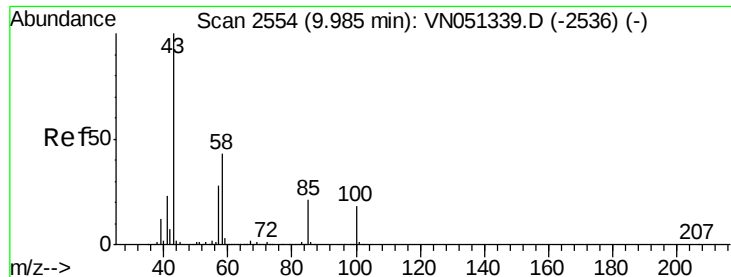
100 64.1 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN051339.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051339.D (-2570) (-)

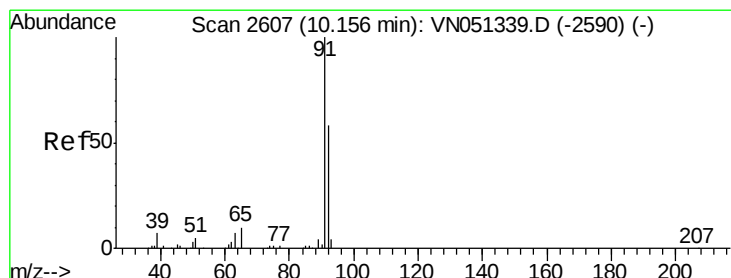
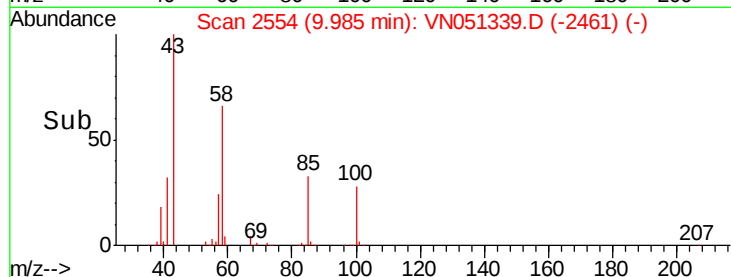
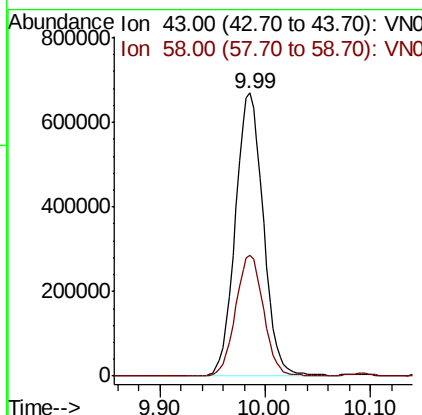
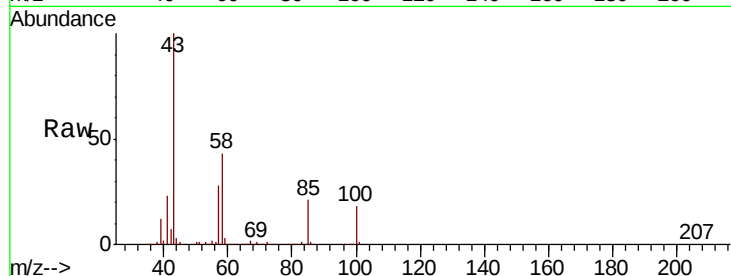




#51
 4-Methyl-2-Pentanone
 Concen: 264.14 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN051339.D
 Acq: 20 Sep 2018 14:41

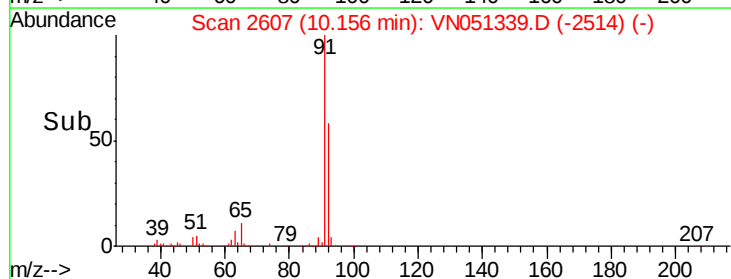
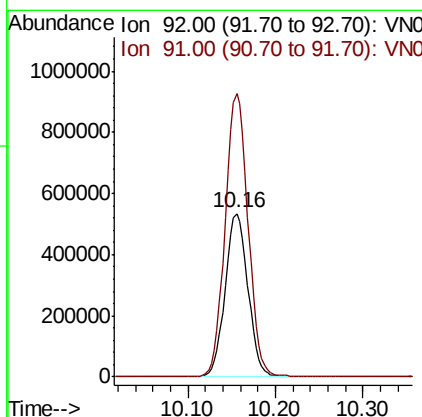
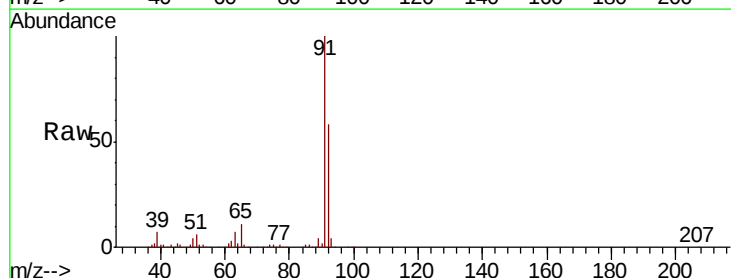
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

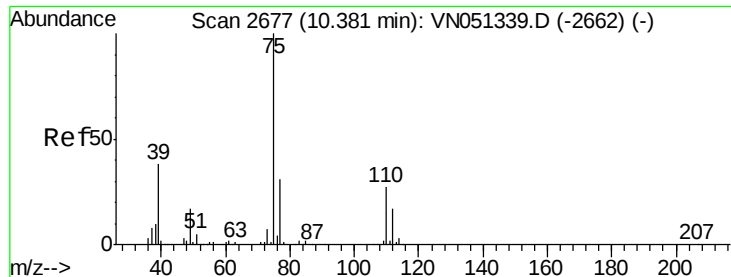
Tot Ion: 43 Resp: 1224728
 Ion Ratio Lower Upper
 43 100
 58 42.8 34.2 51.4



#52
 Toluene
 Concen: 52.50 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN051339.D
 Acq: 20 Sep 2018 14:41

Tgt Ion: 92 Resp: 968330
 Ion Ratio Lower Upper
 92 100
 91 174.6 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 51.68 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

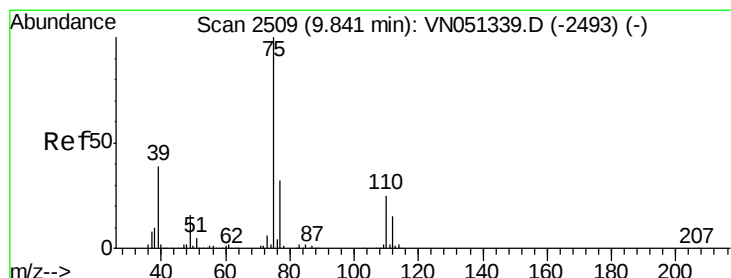
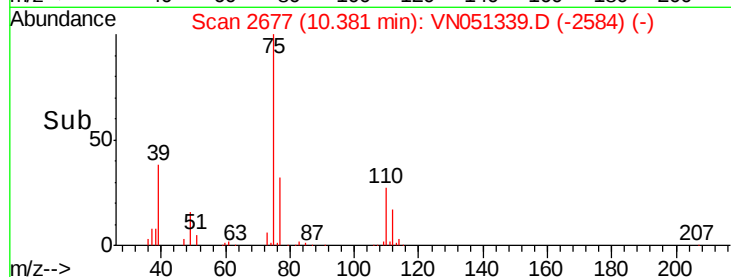
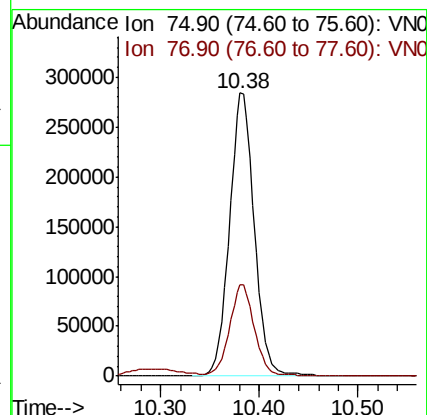
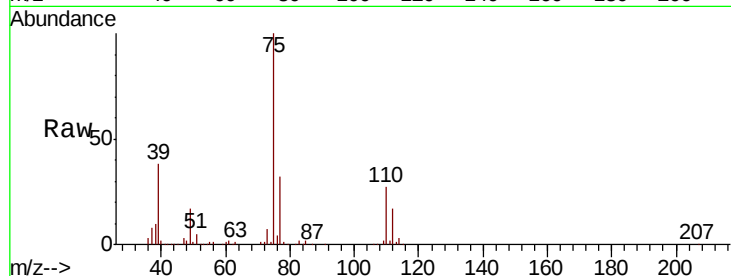
VSTDICCC050

Tot Ion: 75 Resp: 500134

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 52.91 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

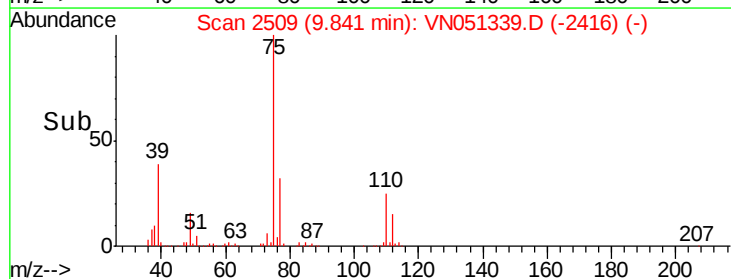
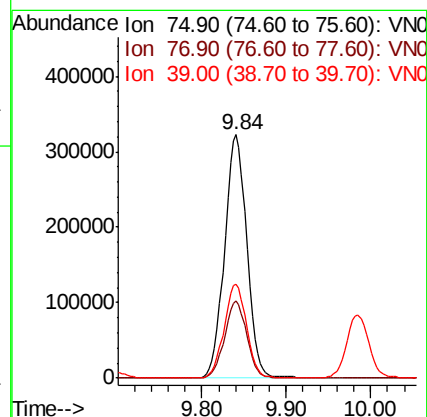
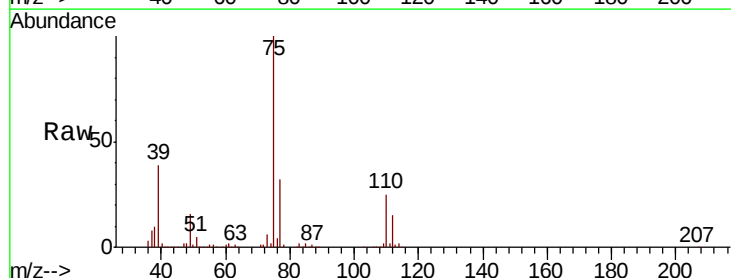
Tgt Ion: 75 Resp: 592909

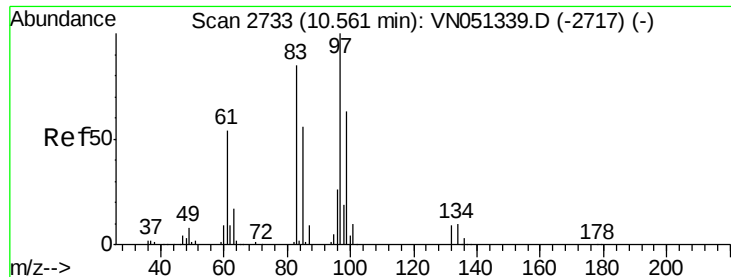
Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 38.7 31.0 46.4

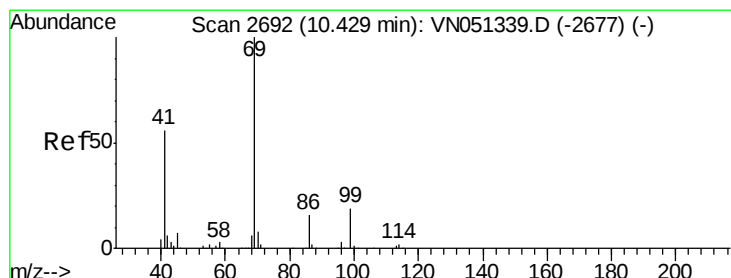
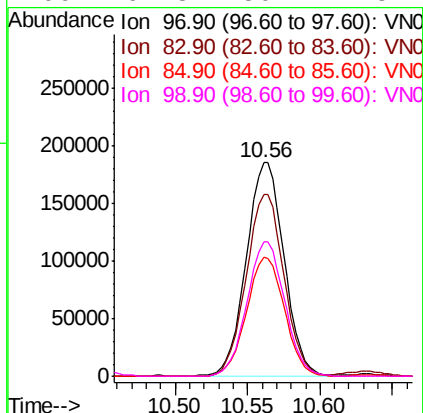
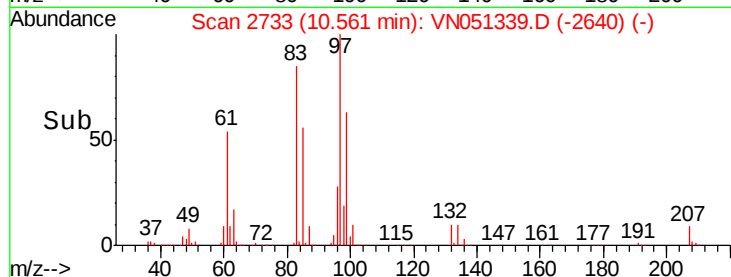
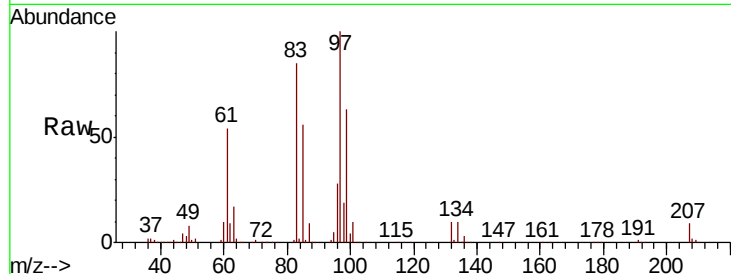




#55
 1,1,2-Trichloroethane
 Concen: 48.83 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN051339.D
 Acq: 20 Sep 2018 14:41

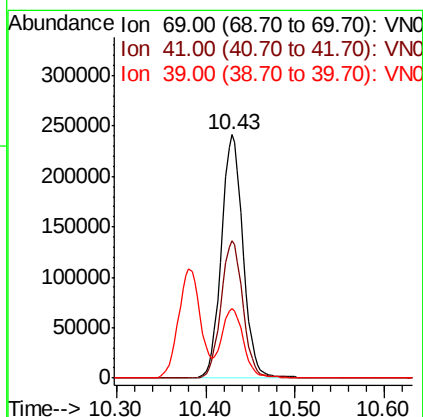
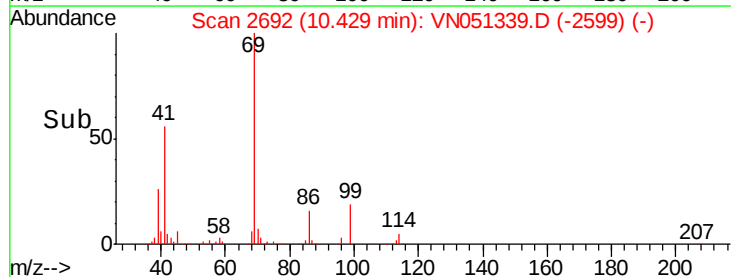
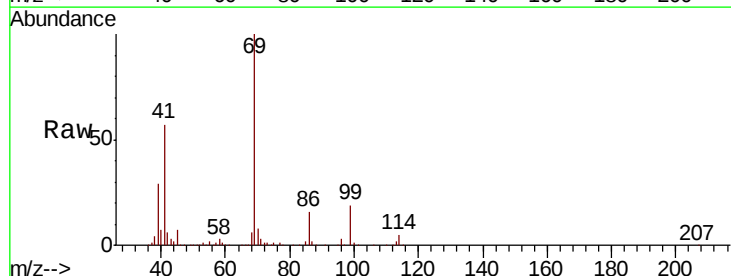
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

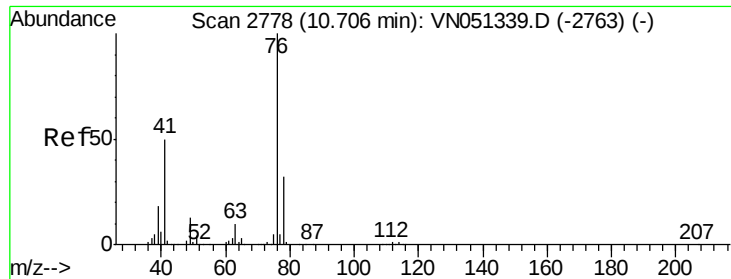
Tot Ion:	97	Resp:	337862
Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.1	102.1
85	55.7	44.6	66.8
99	62.8	50.2	75.4



#56
 Ethyl methacrylate
 Concen: 55.30 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051339.D
 Acq: 20 Sep 2018 14:41

Tgt Ion:	69	Resp:	404115
Ion	Ratio	Lower	Upper
69	100		
41	56.4	45.1	67.7
39	29.3	23.4	35.2

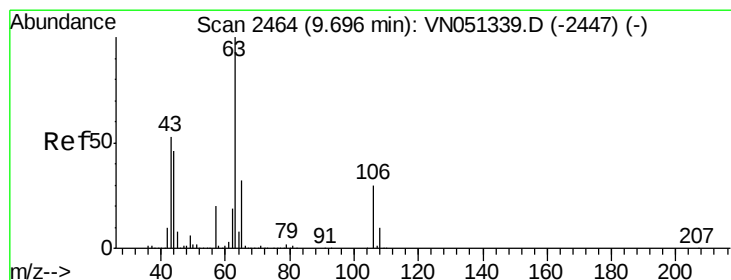
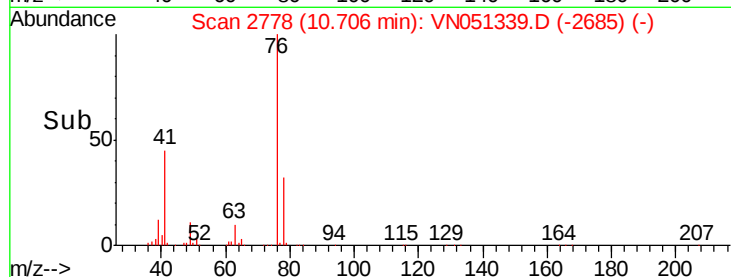
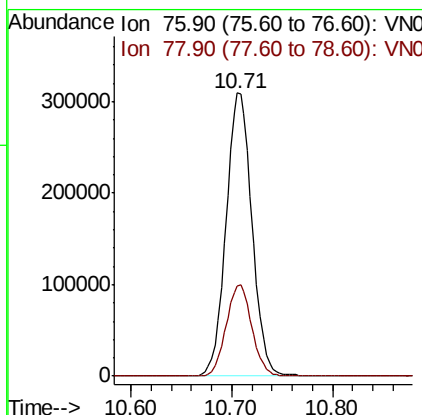
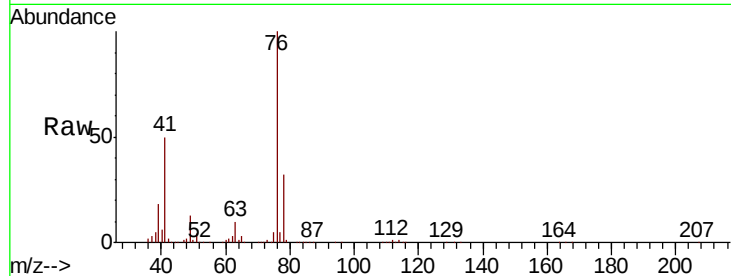




#57
 1,3-Dichloropropane
 Concen: 50.80 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN051339.D
 Acq: 20 Sep 2018 14:41

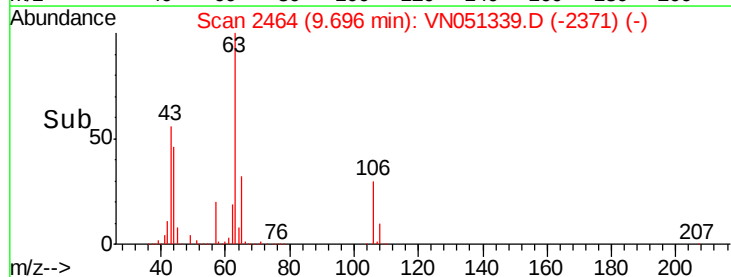
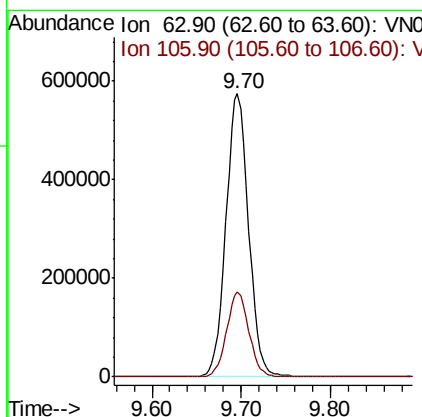
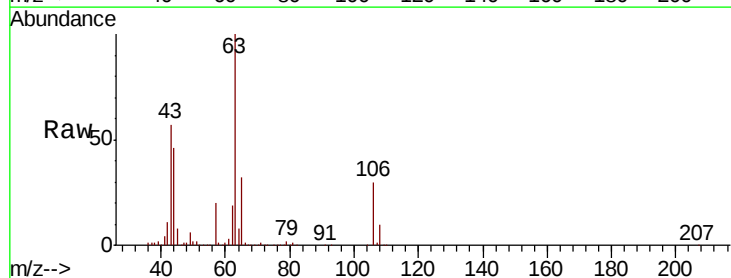
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

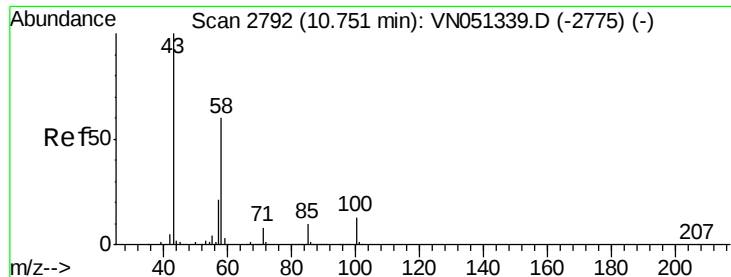
Tot Ion: 76 Resp: 553667
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 280.43 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051339.D
 Acq: 20 Sep 2018 14:41

Tgt Ion: 63 Resp: 1007613
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.7 35.5

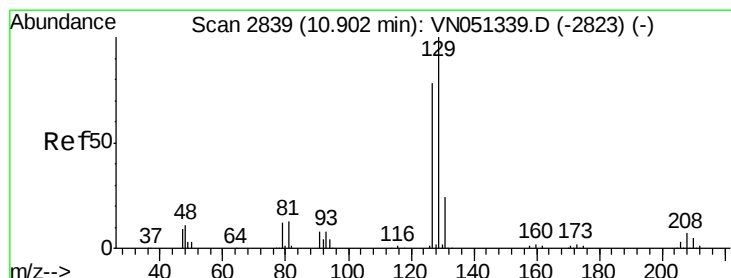
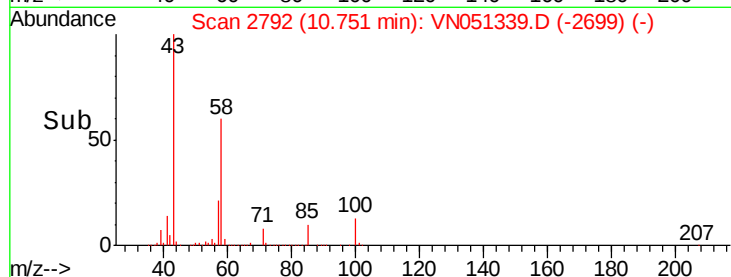
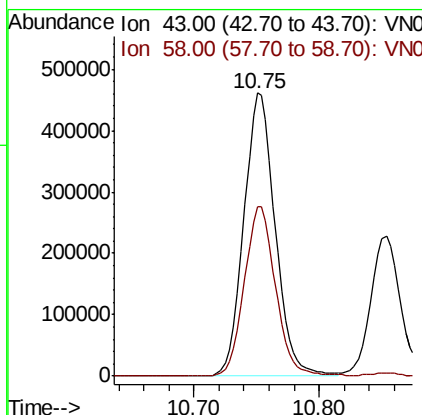
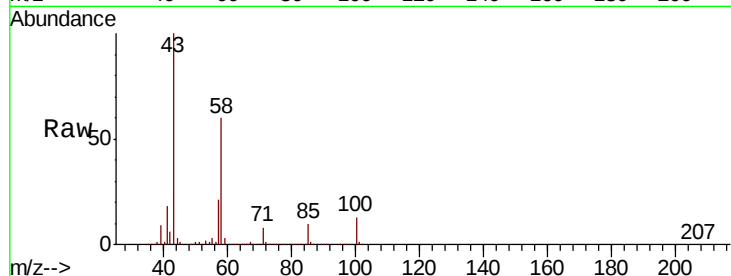




#59
2-Hexanone
Concen: 256.48 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN051339.D
Acq: 20 Sep 2018 14:41

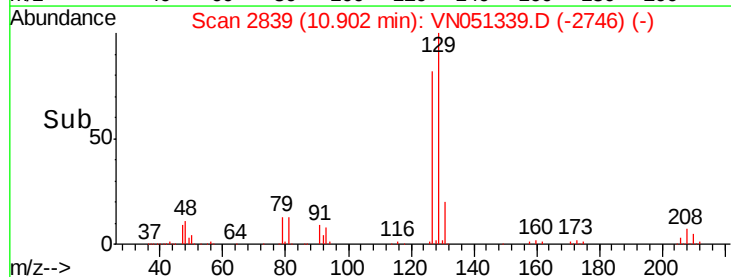
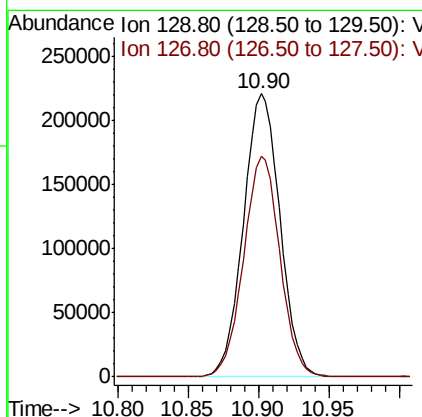
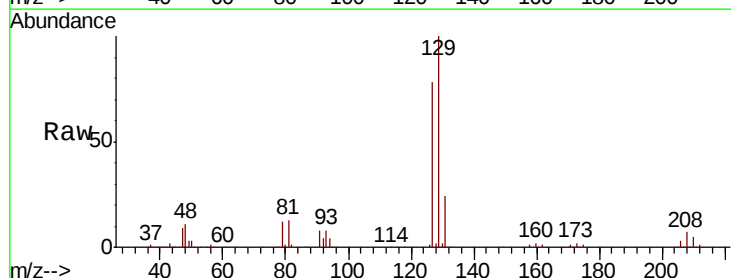
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

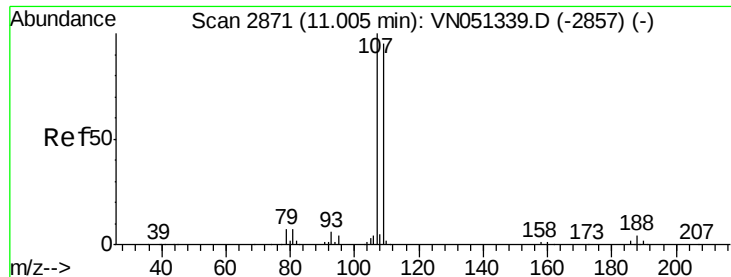
Tot Ion: 43 Resp: 801738
Ion Ratio Lower Upper
43 100
58 59.9 29.9 89.8



#60
Dibromochloromethane
Concen: 49.93 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051339.D
Acq: 20 Sep 2018 14:41

Tgt Ion: 129 Resp: 402870
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8

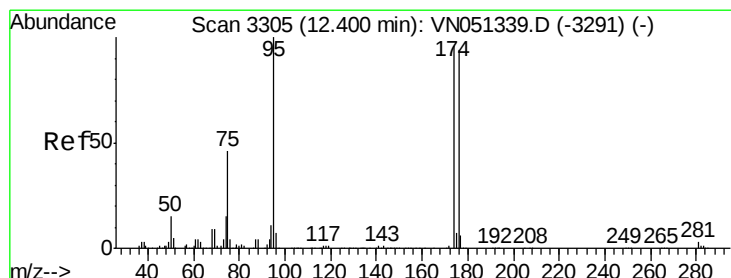
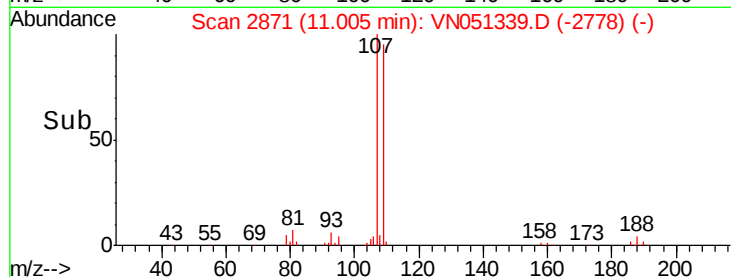
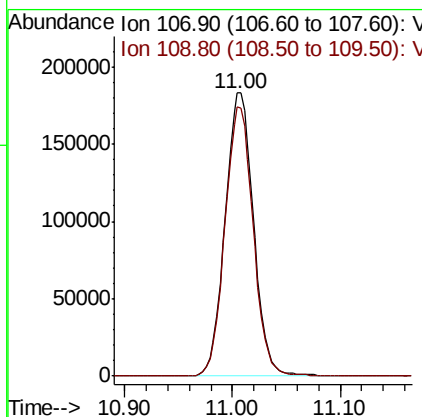
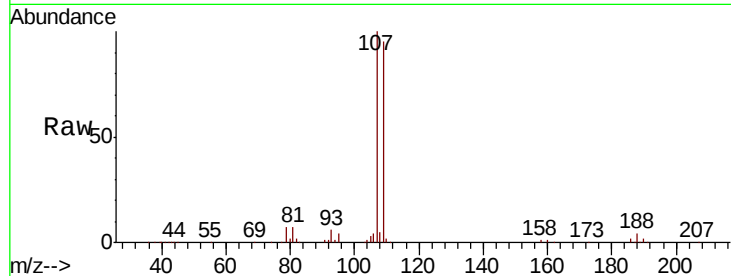




#61
 1,2-Dibromoethane
 Concen: 50.44 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN051339.D
 Acq: 20 Sep 2018 14:41

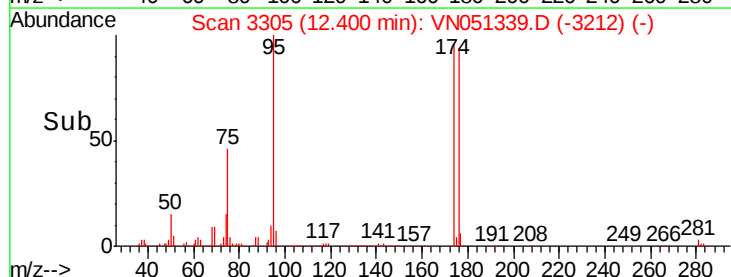
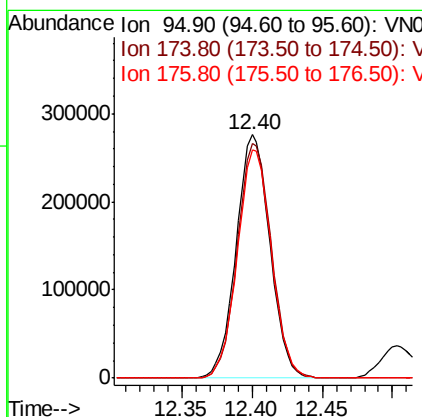
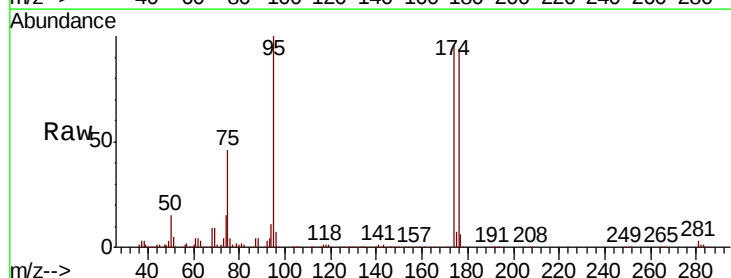
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

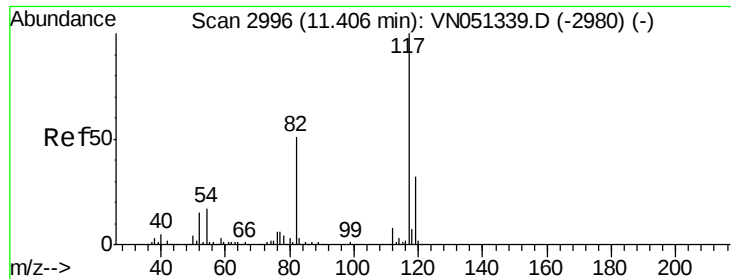
Tot Ion: 107 Resp: 335491
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 47.11 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051339.D
 Acq: 20 Sep 2018 14:41

Tgt Ion: 95 Resp: 462760
 Ion Ratio Lower Upper
 95 100
 174 97.3 0.0 194.6
 176 94.8 0.0 189.6

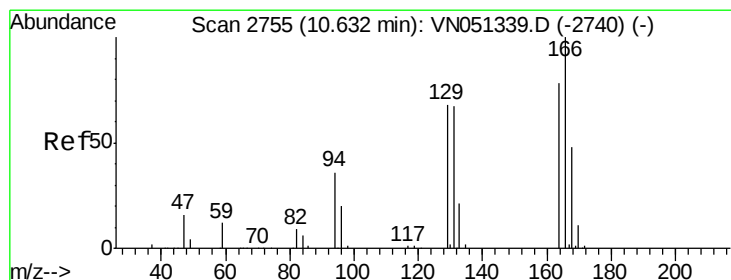
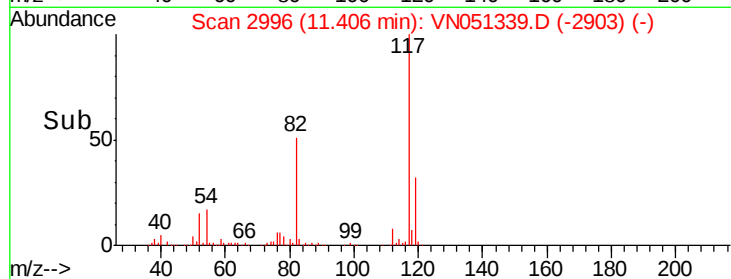
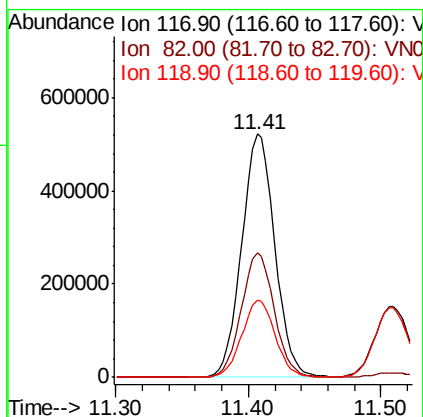
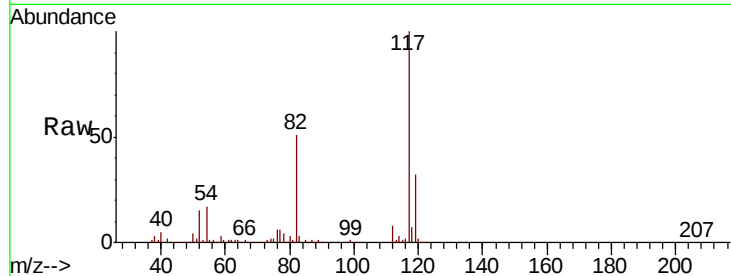




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051339.D
Acq: 20 Sep 2018 14:41

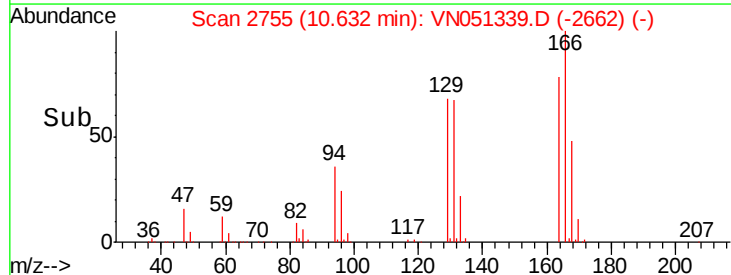
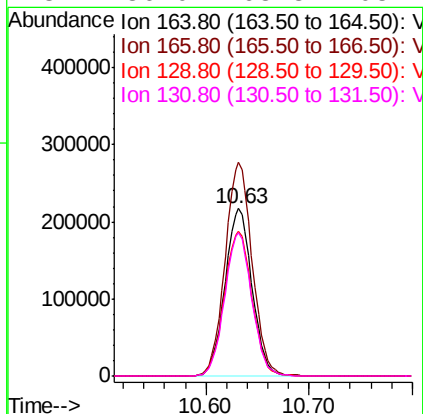
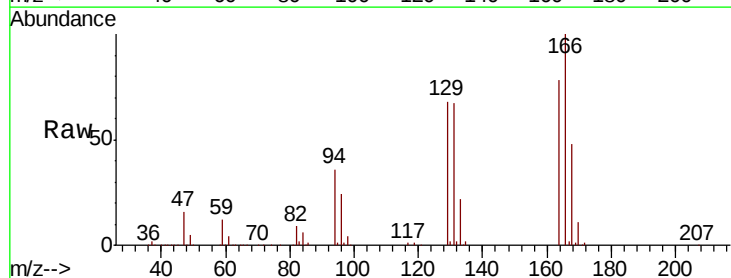
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

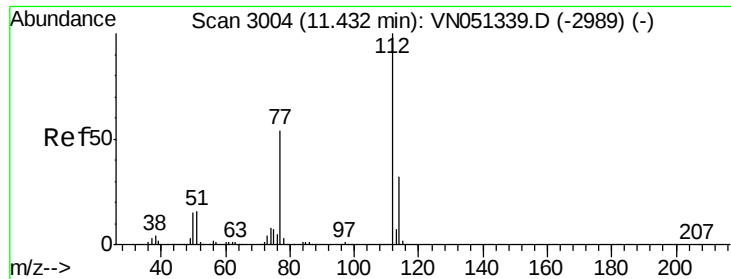
Tot Ion:117 Resp: 905481
Ion Ratio Lower Upper
117 100
82 50.9 40.7 61.1
119 31.6 25.3 37.9



#64
Tetrachloroethene
Concen: 50.14 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051339.D
Acq: 20 Sep 2018 14:41

Tgt Ion:164 Resp: 395943
Ion Ratio Lower Upper
164 100
166 127.6 102.1 153.1
129 86.8 69.4 104.2
131 86.0 68.8 103.2

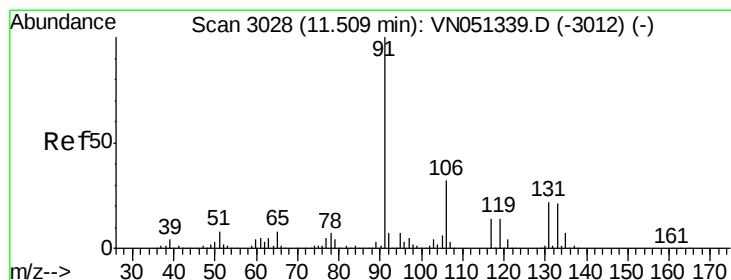
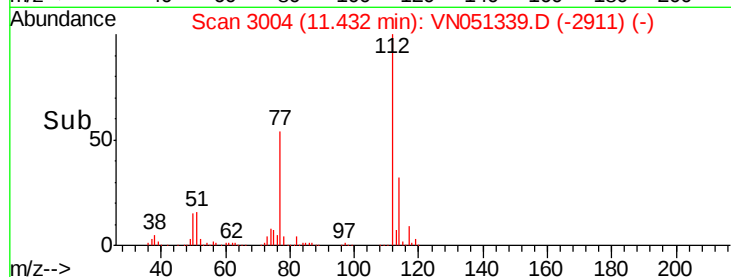
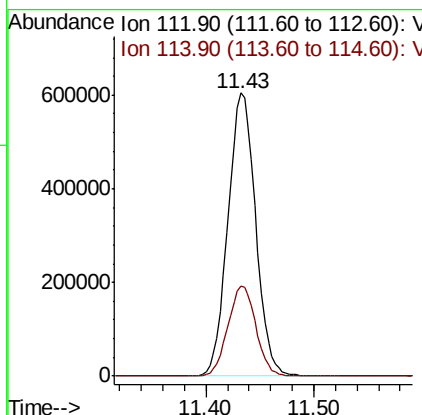
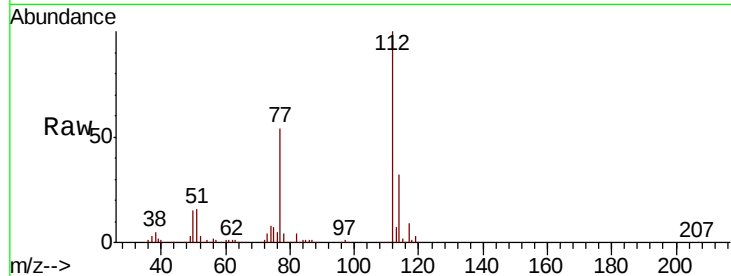




#65
Chlorobenzene
Concen: 50.11 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051339.D
Acq: 20 Sep 2018 14:41

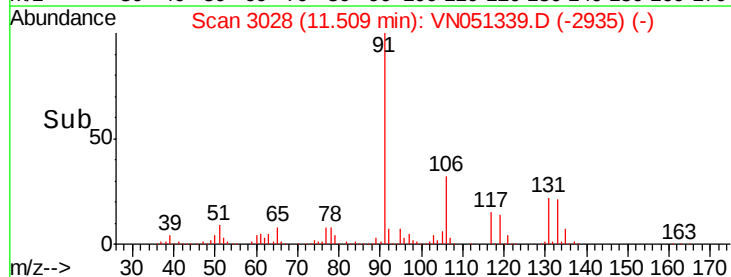
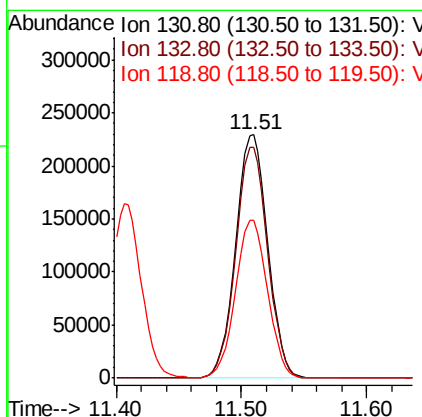
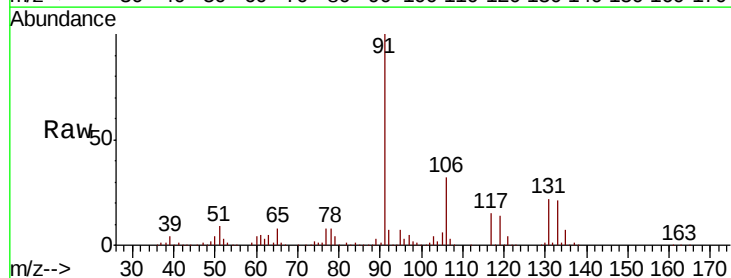
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

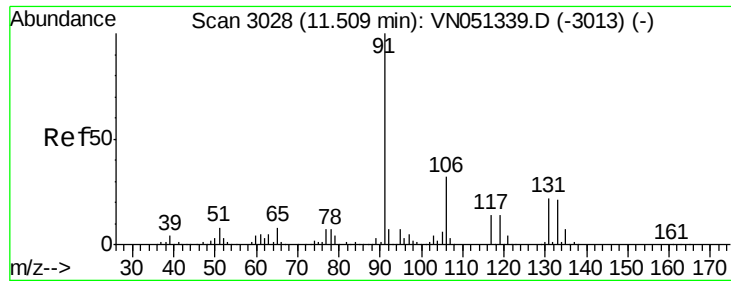
Tot Ion:112 Resp: 1084100
Ion Ratio Lower Upper
112 100
114 31.9 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 49.40 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051339.D
Acq: 20 Sep 2018 14:41

Tgt Ion:131 Resp: 406793
Ion Ratio Lower Upper
131 100
133 94.8 47.4 142.2
119 65.1 32.6 97.7

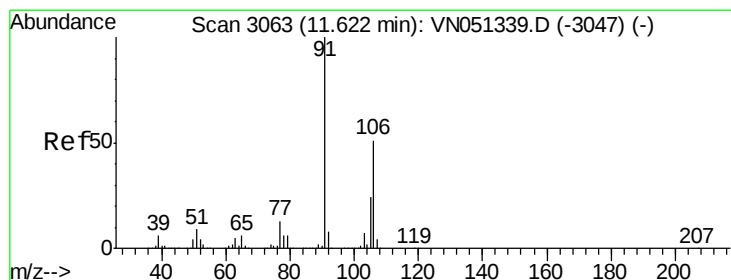
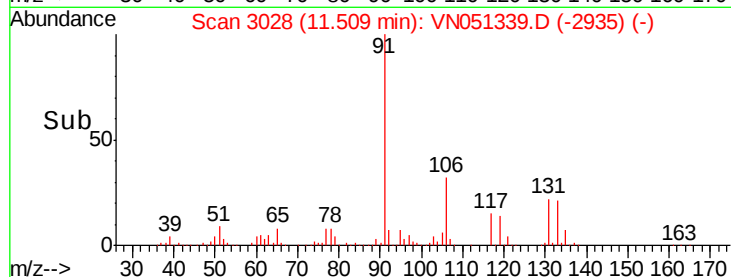
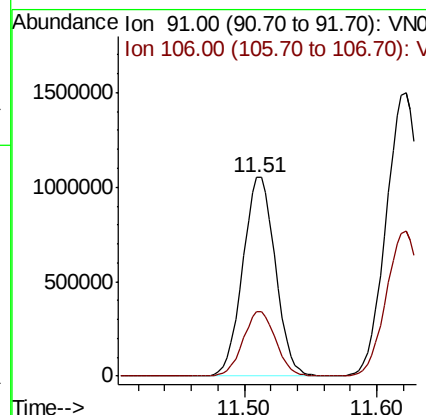
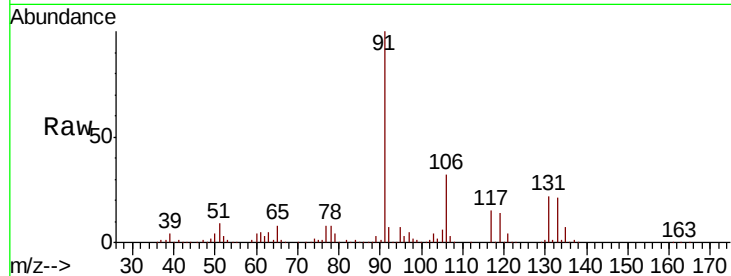




#67
Ethyl Benzene
Concen: 53.10 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051339.D
Acq: 20 Sep 2018 14:41

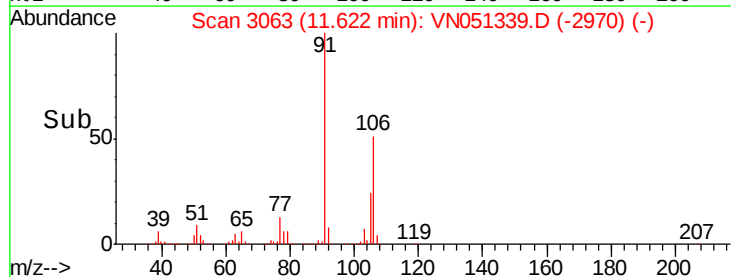
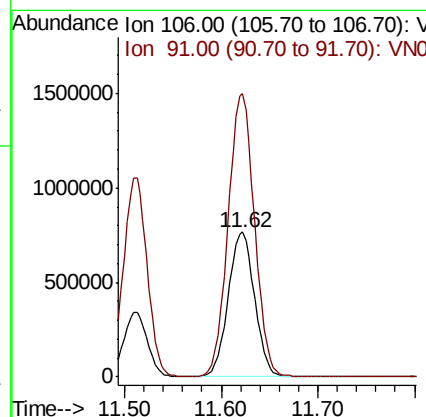
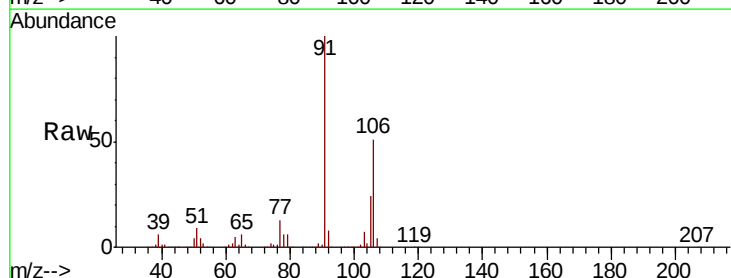
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

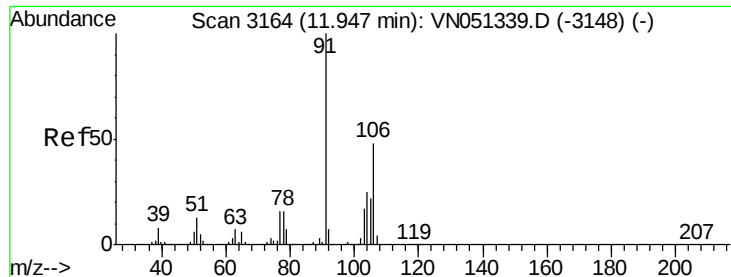
Tot Ion: 91 Resp: 1797171
Ion Ratio Lower Upper
91 100
106 32.3 25.8 38.8



#68
m/p-Xylenes
Concen: 108.97 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051339.D
Acq: 20 Sep 2018 14:41

Tgt Ion:106 Resp: 1448802
Ion Ratio Lower Upper
106 100
91 195.6 156.5 234.7

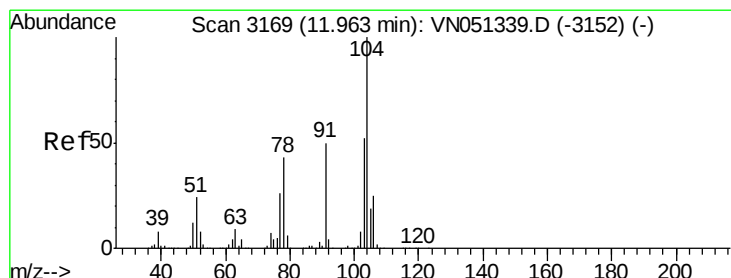
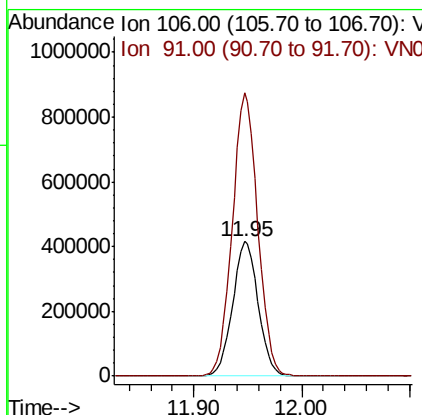
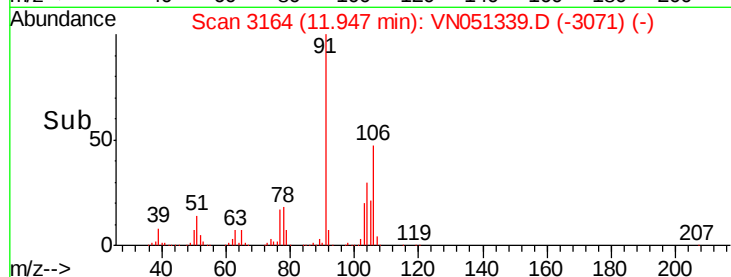
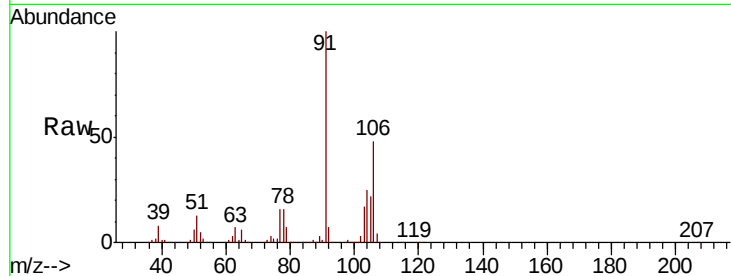




#69
o-Xylene
Concen: 53.58 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051339.D
Acq: 20 Sep 2018 14:41

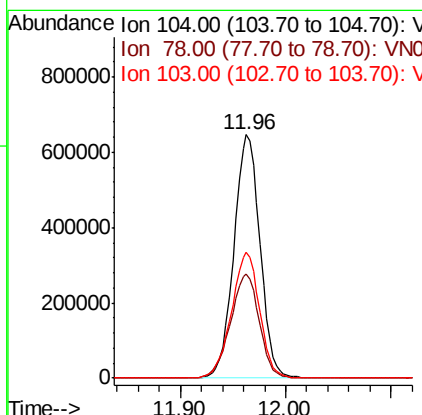
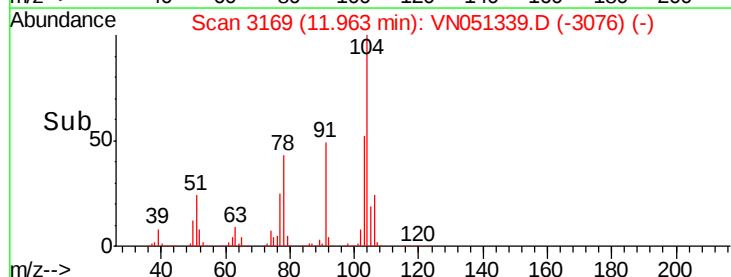
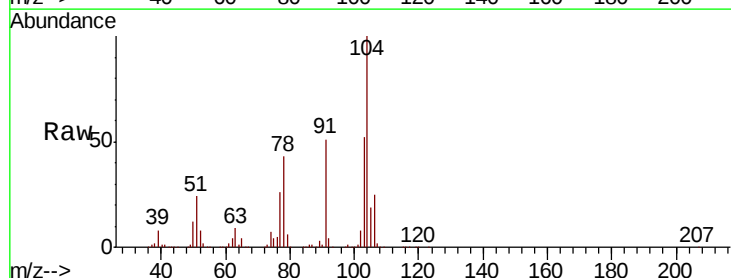
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

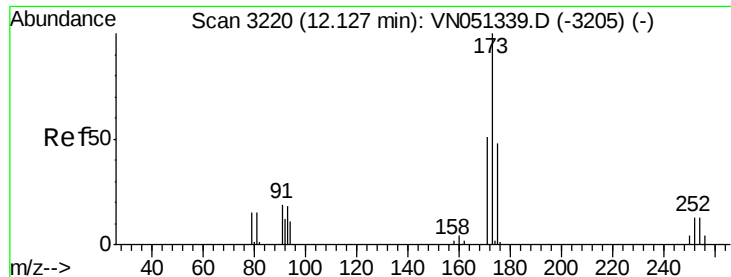
Tot Ion:106 Resp: 686717
Ion Ratio Lower Upper
106 100
91 209.1 104.6 313.7



#70
Styrene
Concen: 55.64 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051339.D
Acq: 20 Sep 2018 14:41

Tgt Ion:104 Resp: 1106944
Ion Ratio Lower Upper
104 100
78 47.2 37.8 56.6
103 55.4 44.3 66.5





#71

Bromoform

Concen: 50.84 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

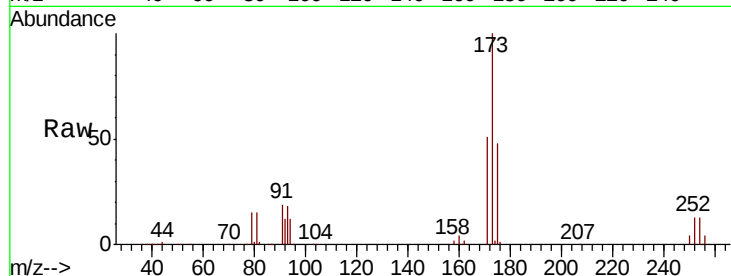
Tot Ion:173 Resp: 284155

Ion Ratio Lower Upper

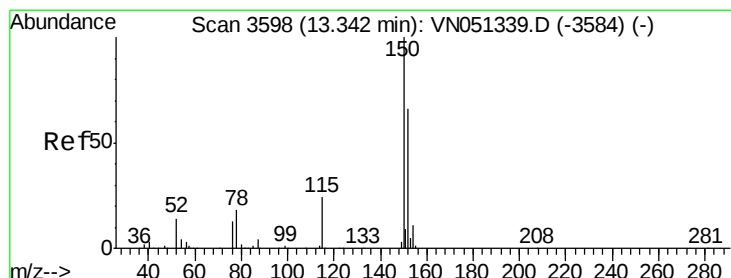
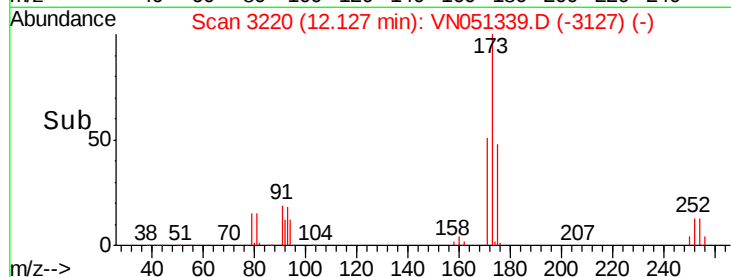
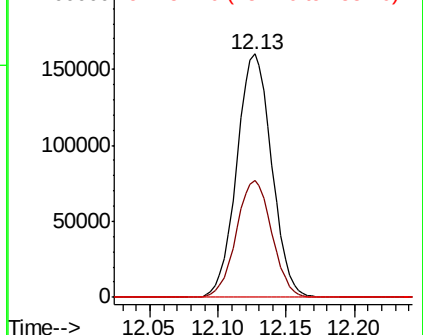
173 100

175 48.7 24.3 73.0

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

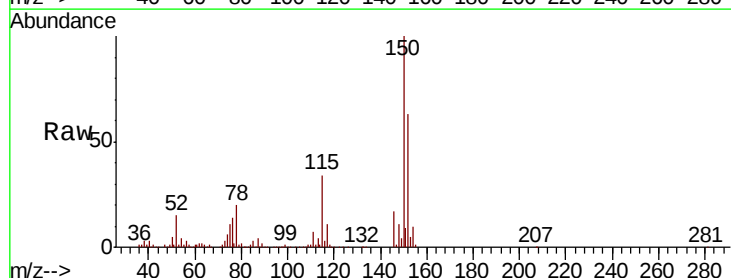
Tgt Ion:152 Resp: 486403

Ion Ratio Lower Upper

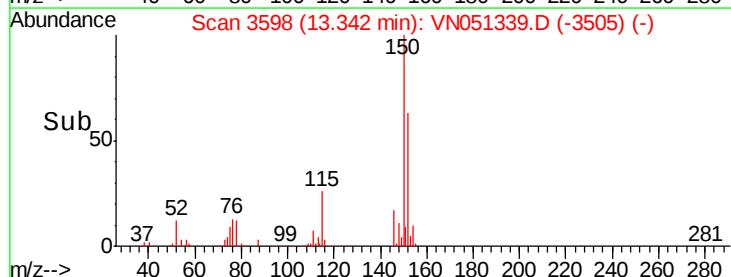
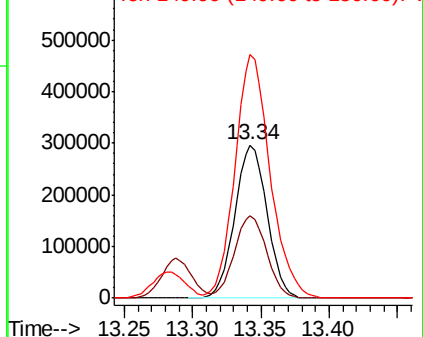
152 100

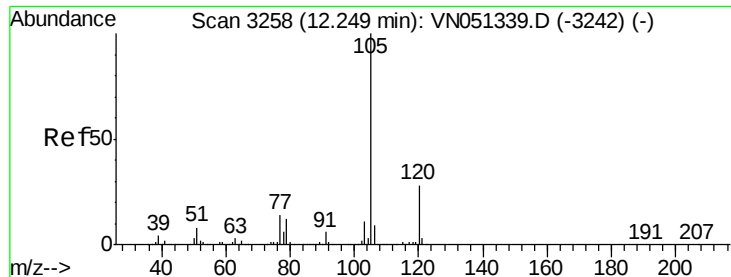
115 53.8 26.9 80.7

150 172.5 0.0 345.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.33 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

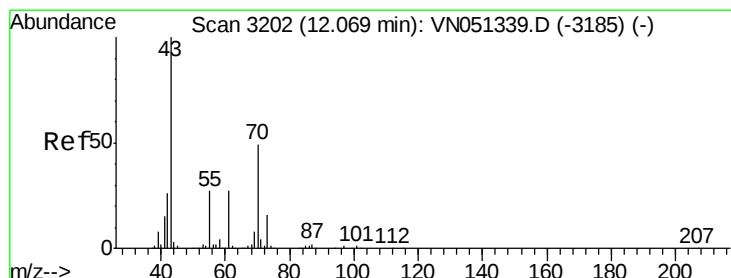
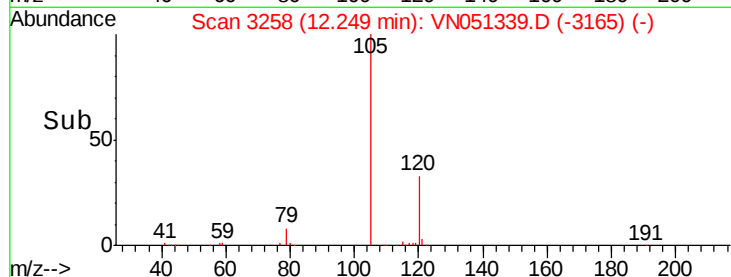
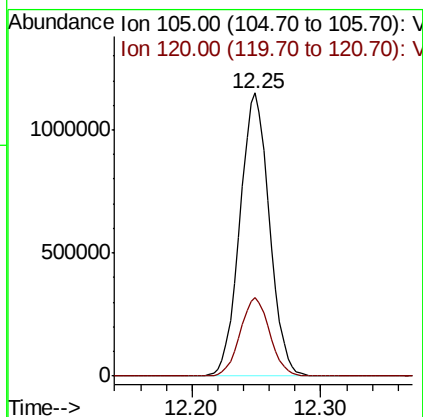
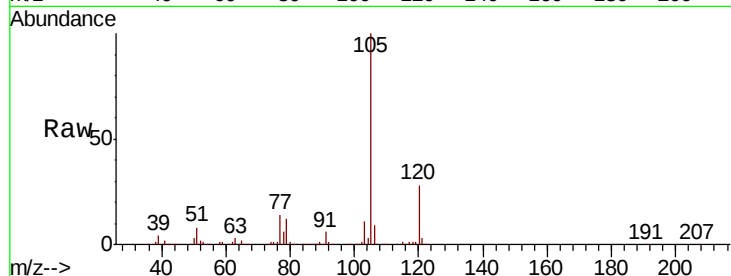
VSTDICCC050

Tot Ion:105 Resp: 1829719

Ion Ratio Lower Upper

105 100

120 27.7 13.9 41.6



#74

N-ethyl acetate

Concen: 49.33 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

Tgt Ion: 43 Resp: 376198

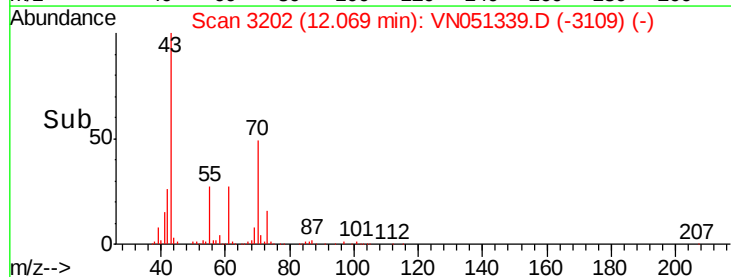
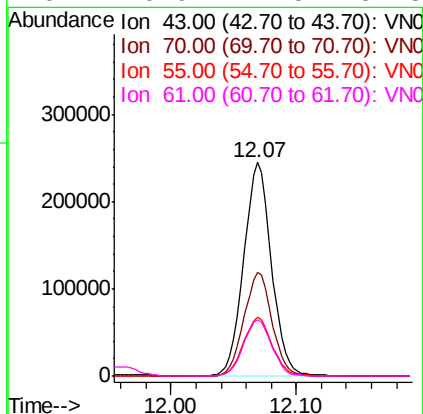
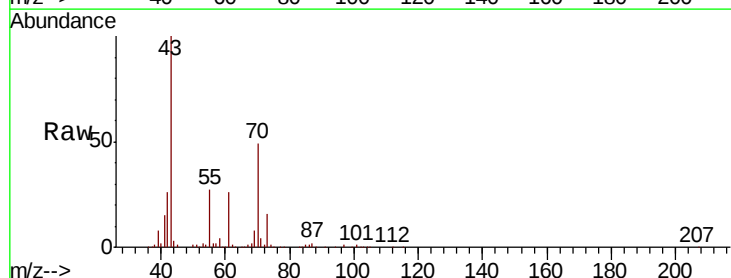
Ion Ratio Lower Upper

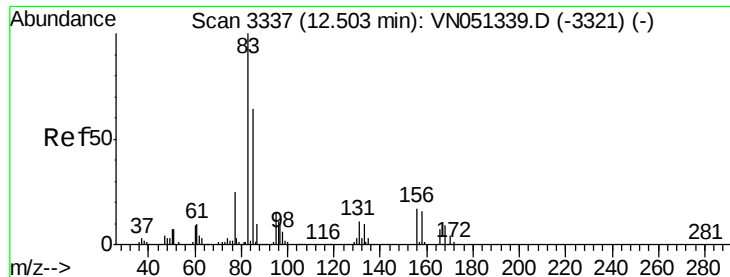
43 100

70 49.4 39.5 59.3

55 28.3 22.6 34.0

61 26.9 21.5 32.3





#75

1,1,2,2-Tetrachloroethane

Concen: 45.04 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

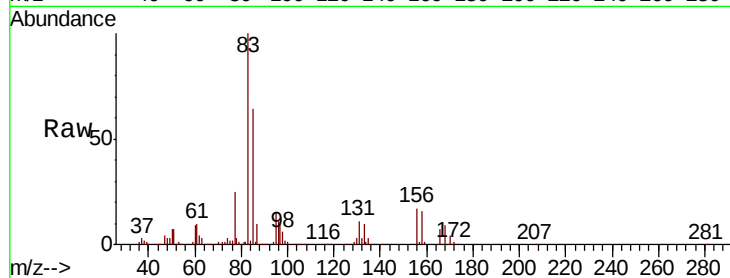
Tot Ion: 83 Resp: 396226

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.7

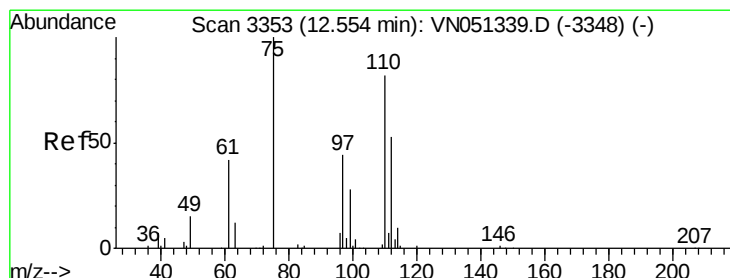
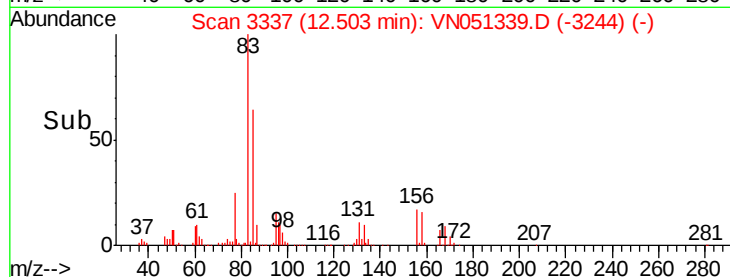
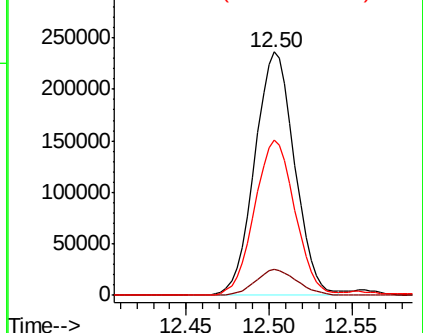
85 64.6 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN051339.D (-3321) (-)

Ion 130.80 (130.50 to 131.50): VN051339.D (-3321) (-)

Ion 84.90 (84.60 to 85.60): VN051339.D (-3321) (-)



#76

1,2,3-Trichloropropane

Concen: 67.84 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051339.D

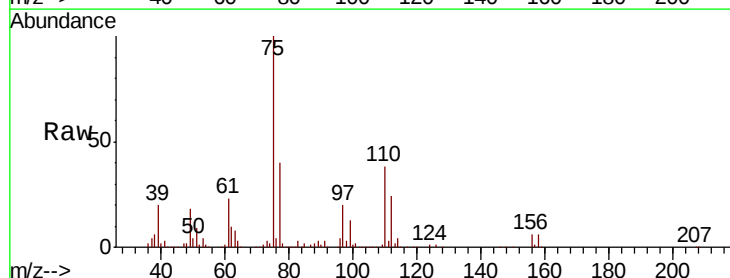
Acq: 20 Sep 2018 14:41

Tgt Ion: 75 Resp: 476535

Ion Ratio Lower Upper

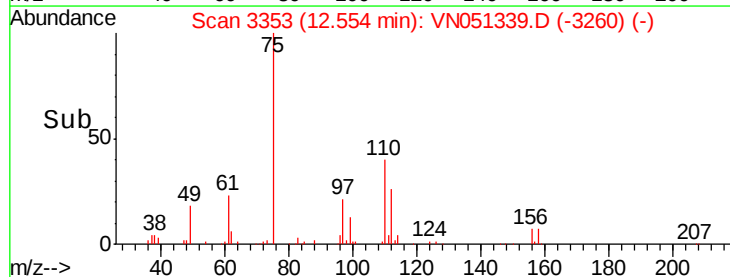
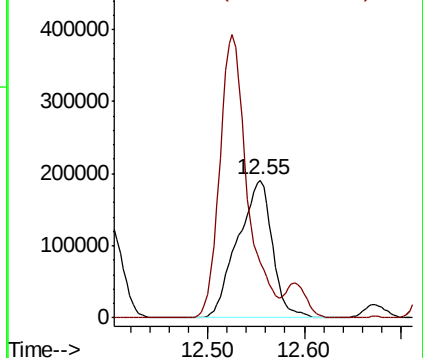
75 100

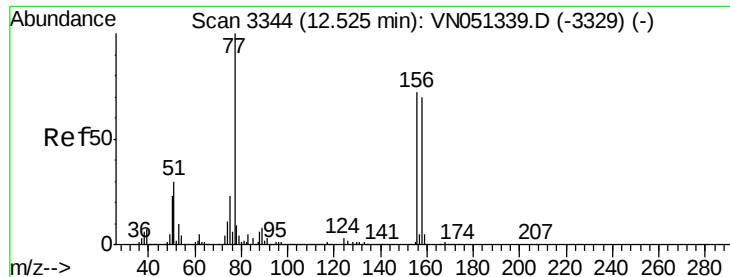
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051339.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN051339.D (-3353) (-)





#77

Bromobenzene

Concen: 48.80 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

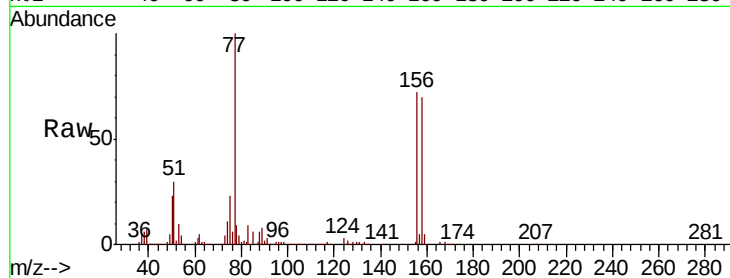
Tot Ion:156 Resp: 480608

Ion Ratio Lower Upper

156 100

77 161.6 80.8 242.4

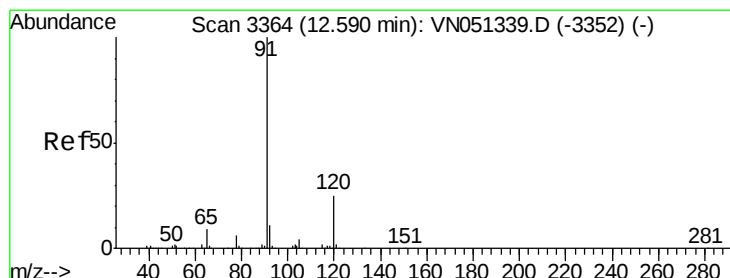
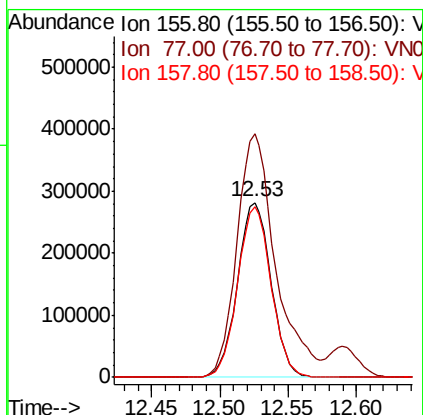
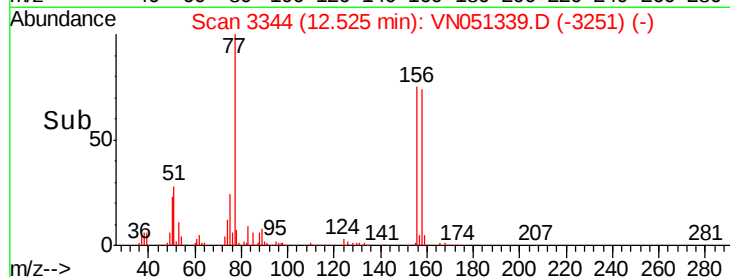
158 97.5 48.8 146.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.51 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051339.D

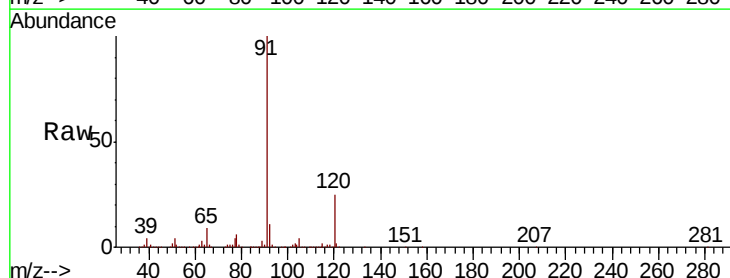
Acq: 20 Sep 2018 14:41

Tgt Ion: 91 Resp: 2040840

Ion Ratio Lower Upper

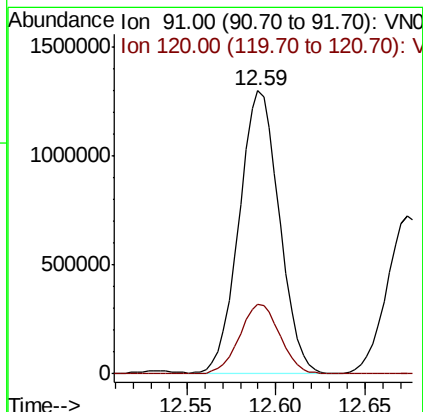
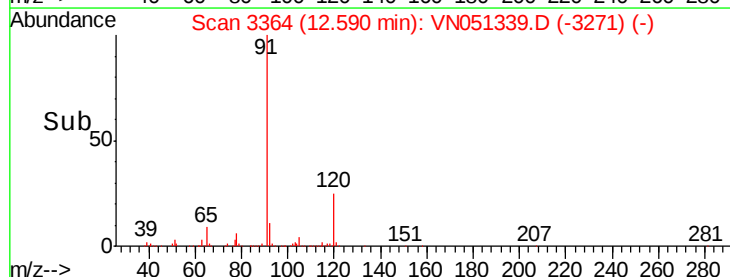
91 100

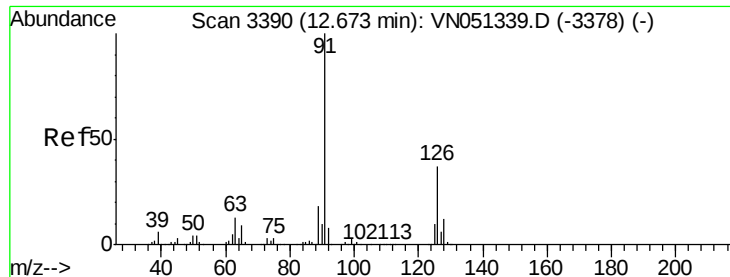
120 24.8 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.07 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

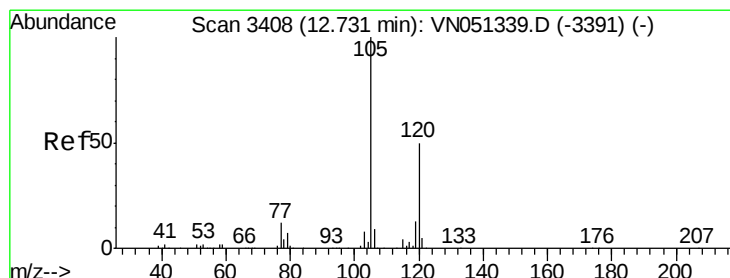
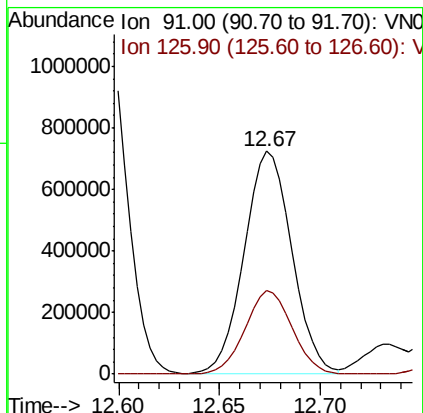
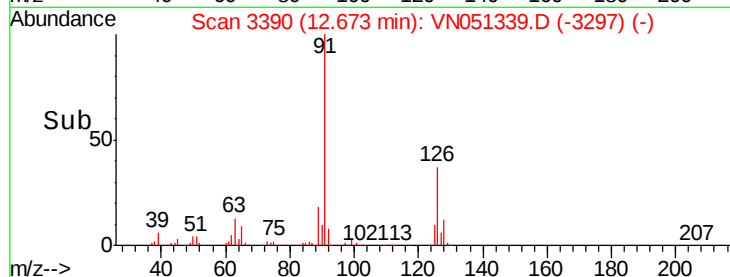
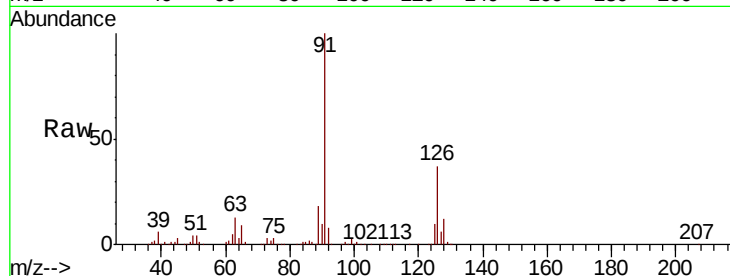
VSTDICCC050

Tot Ion: 91 Resp: 1199220

Ion Ratio Lower Upper

91 100

126 37.2 18.6 55.8



#80

1,3,5-Trimethylbenzene

Concen: 53.23 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051339.D

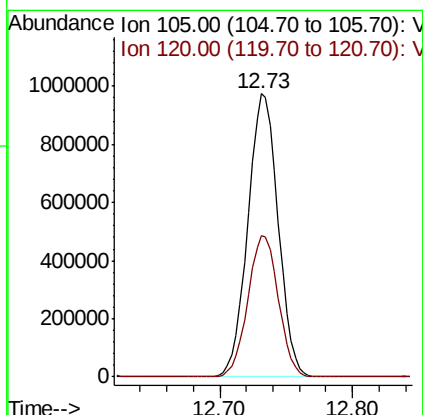
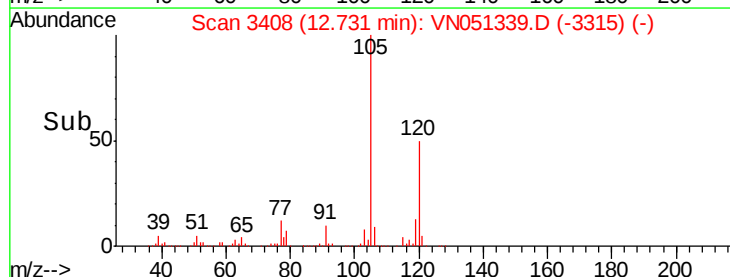
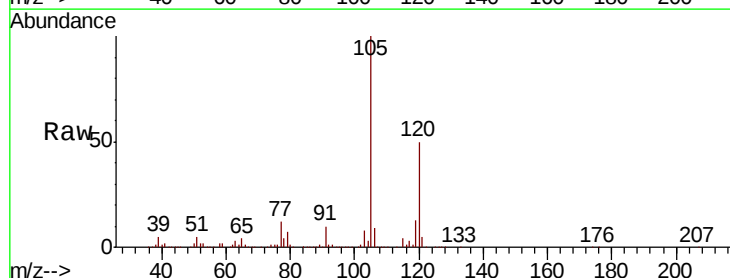
Acq: 20 Sep 2018 14:41

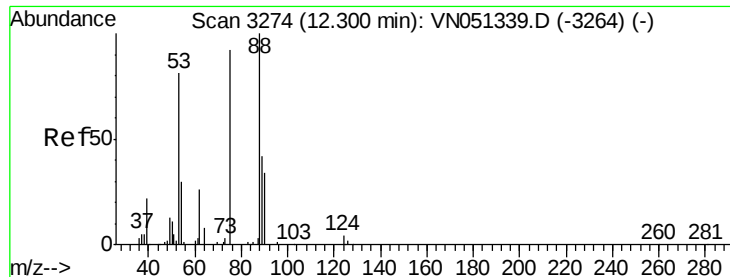
Tgt Ion:105 Resp: 1538210

Ion Ratio Lower Upper

105 100

120 50.4 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 53.30 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

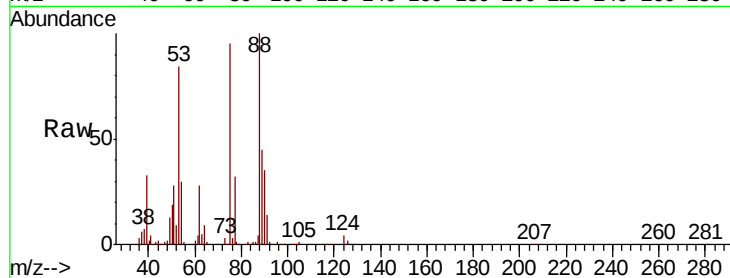
Tot Ion: 75 Resp: 108149

Ion Ratio Lower Upper

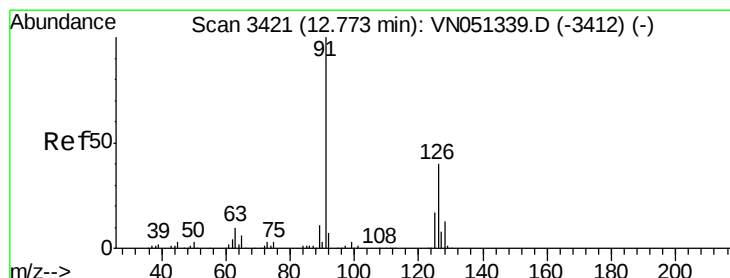
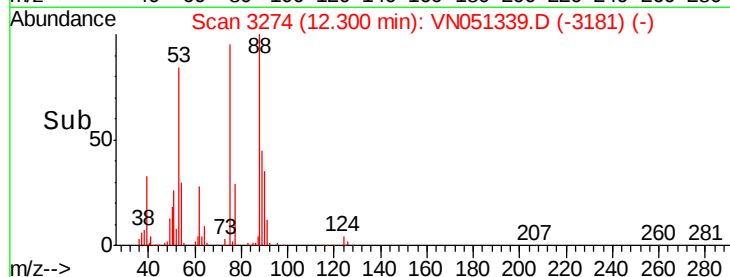
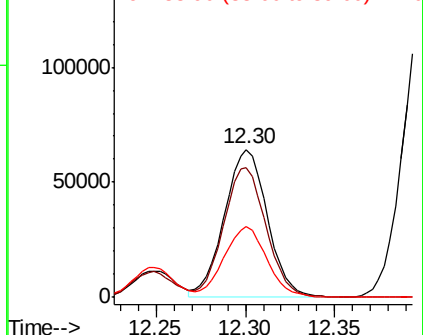
75 100

53 87.4 69.9 104.9

89 47.4 37.9 56.9



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 51.69 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051339.D

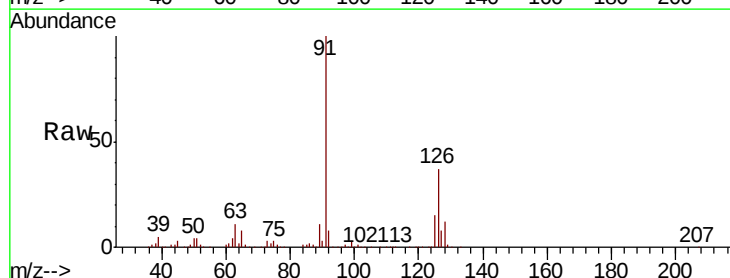
Acq: 20 Sep 2018 14:41

Tgt Ion: 91 Resp: 1203339

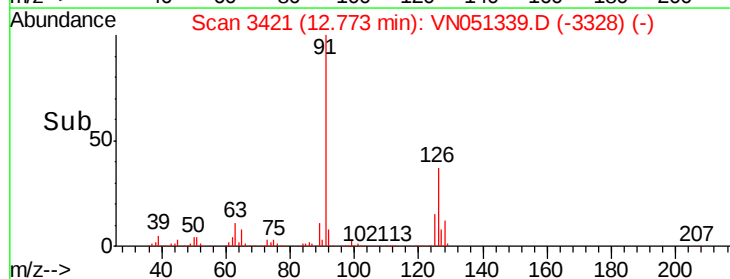
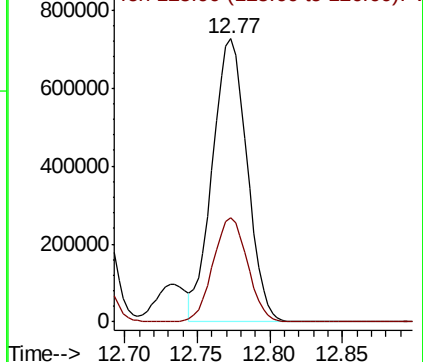
Ion Ratio Lower Upper

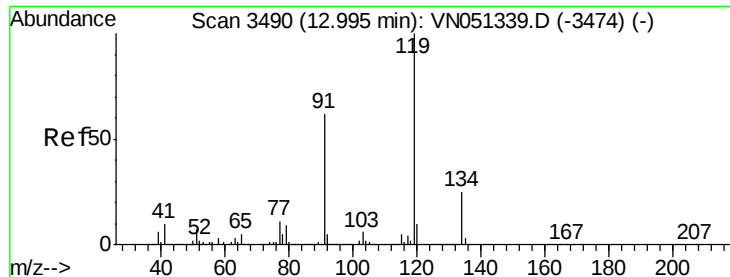
91 100

126 36.6 18.3 54.9



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): VNO

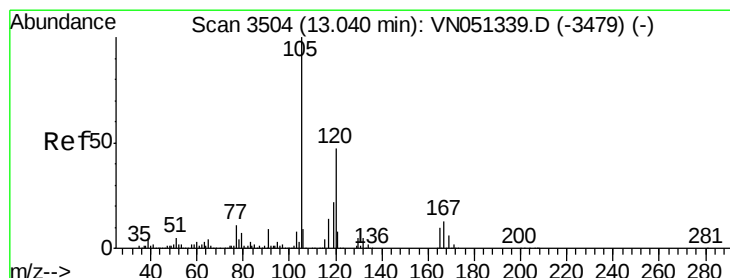
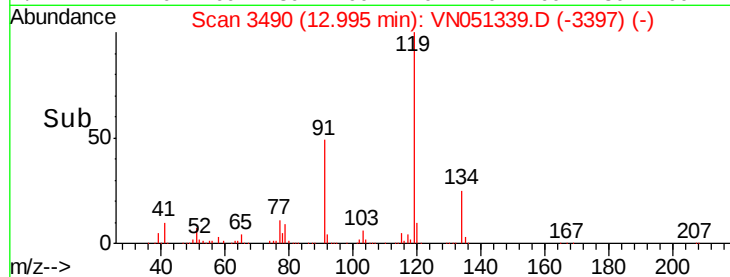
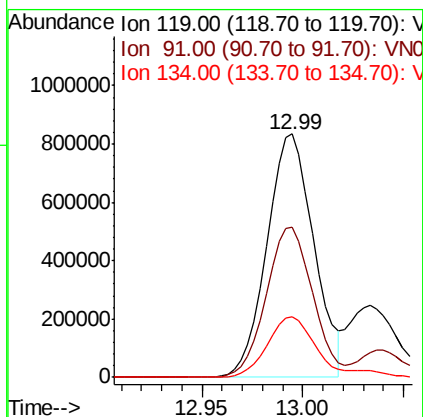
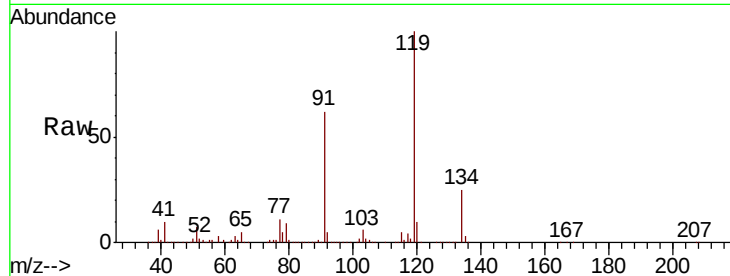




#83
 tert-Butylbenzene
 Concen: 52.07 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051339.D
 Acq: 20 Sep 2018 14:41

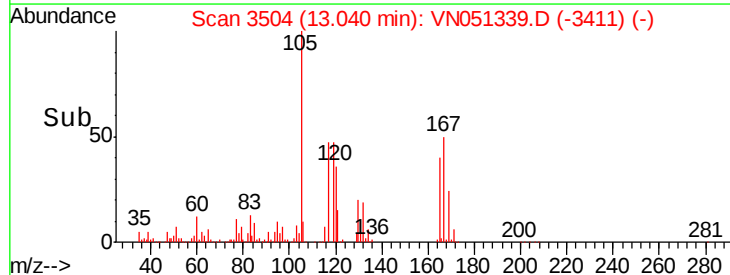
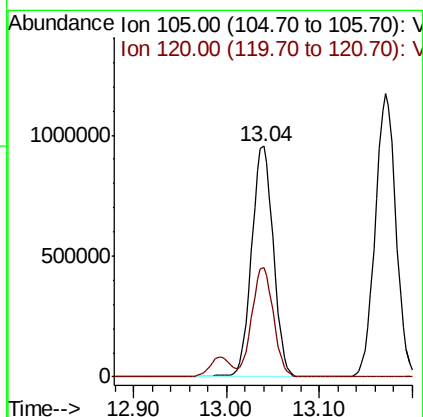
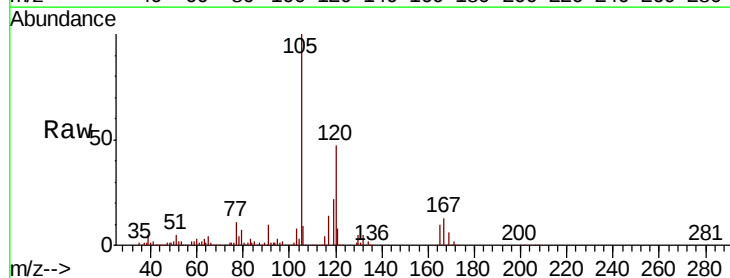
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

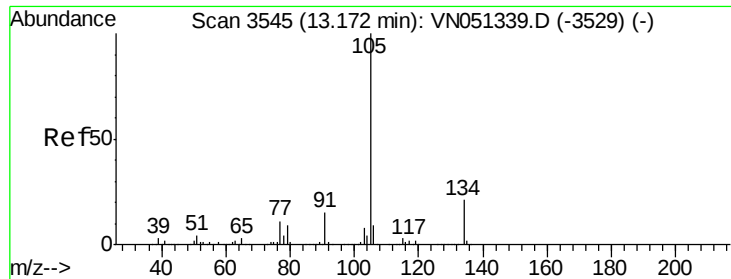
Tot Ion:119 Resp: 1346873
 Ion Ratio Lower Upper
 119 100
 91 61.2 30.6 91.8
 134 25.1 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 54.03 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051339.D
 Acq: 20 Sep 2018 14:41

Tgt Ion:105 Resp: 1549695
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.5 70.6





#85

sec-Butylbenzene

Concen: 52.44 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

Instrument :

MSVOA_N

ClientSampled :

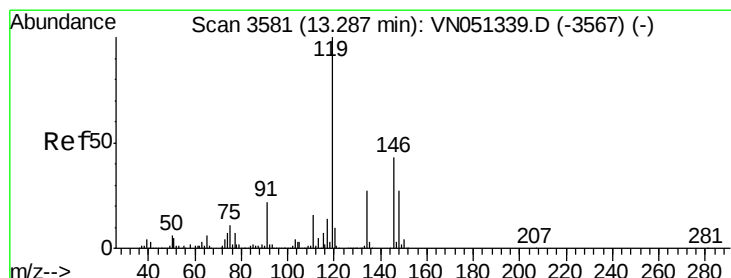
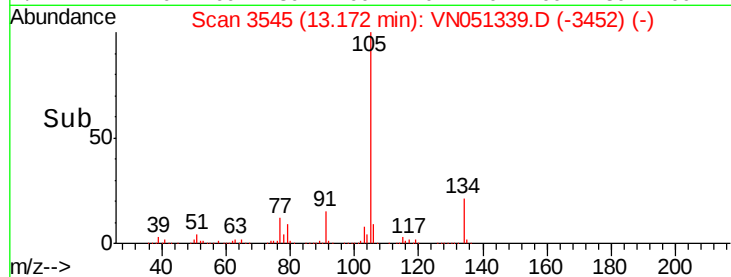
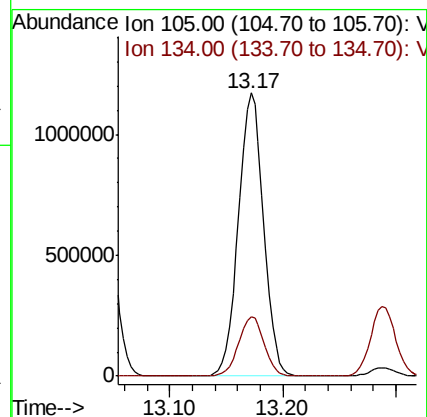
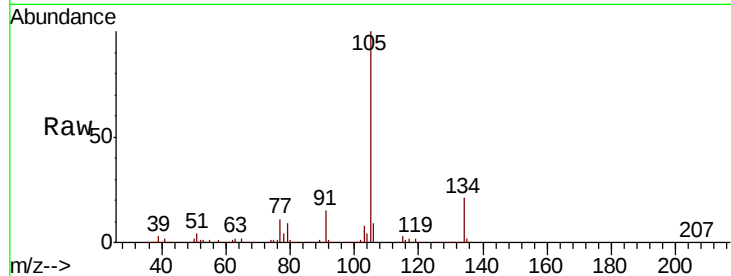
VSTDICCC050

Tot Ion:105 Resp: 1803736

Ion Ratio Lower Upper

105 100

134 21.5 10.8 32.3



#86

p-Isopropyltoluene

Concen: 54.28 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

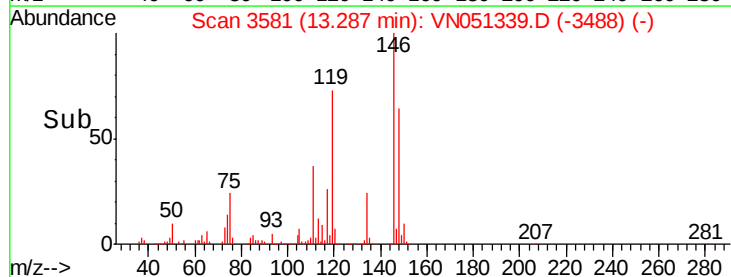
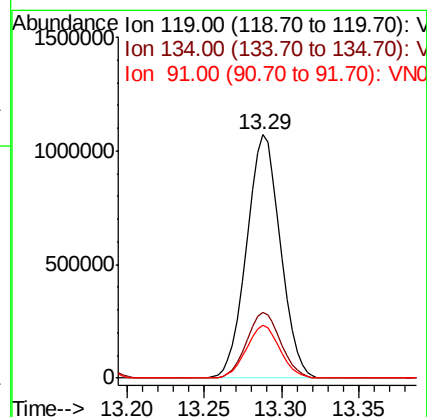
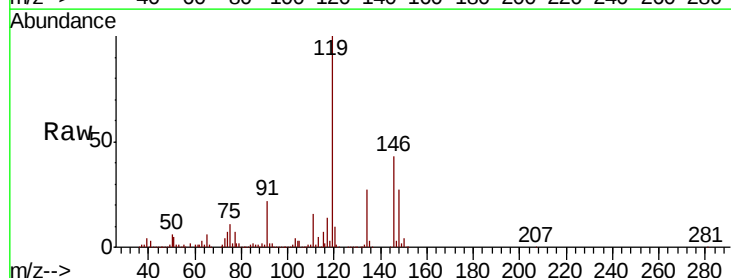
Tgt Ion:119 Resp: 1624969

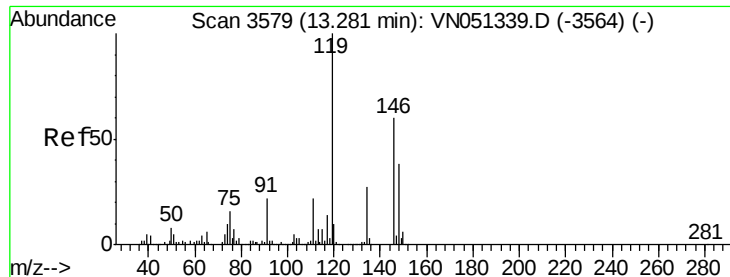
Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.0

91 21.5 10.8 32.3





#87

1,3-Dichlorobenzene

Concen: 50.14 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

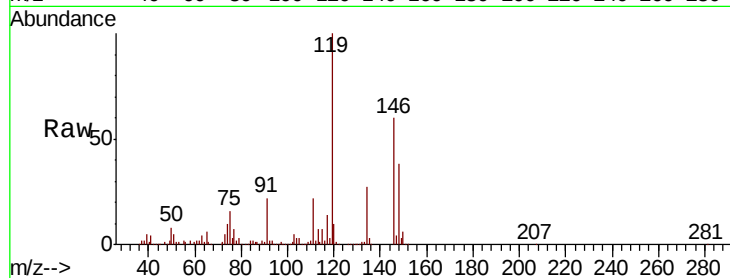
Tot Ion:146 Resp: 830125

Ion Ratio Lower Upper

146 100

111 37.2 18.6 55.8

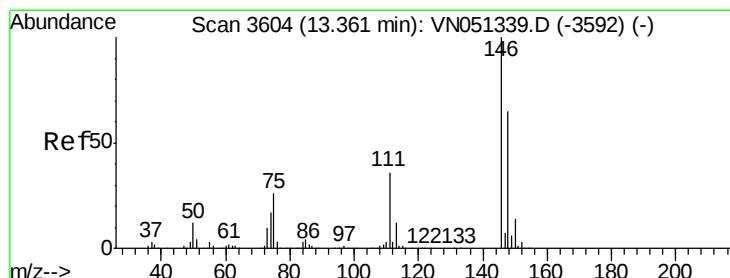
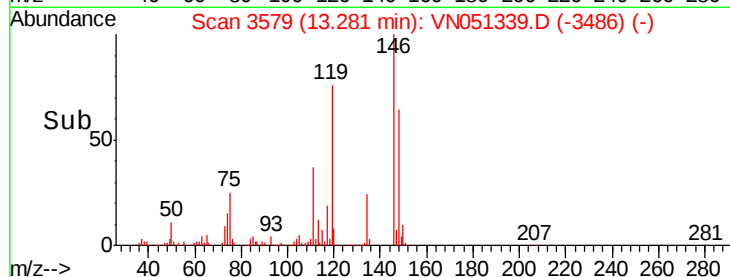
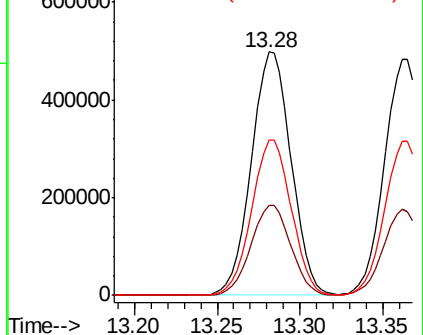
148 63.8 31.9 95.7



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: 50.03 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

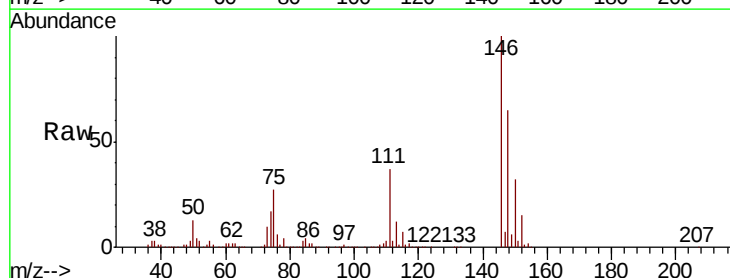
Tgt Ion:146 Resp: 802892

Ion Ratio Lower Upper

146 100

111 36.4 18.2 54.6

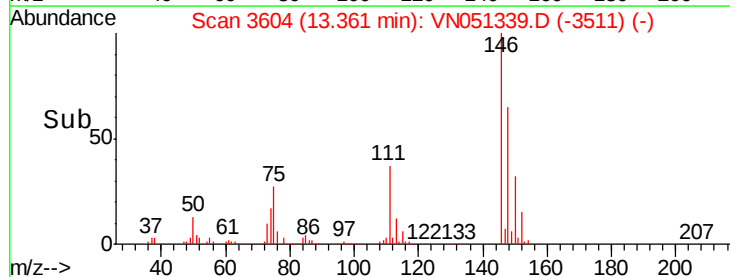
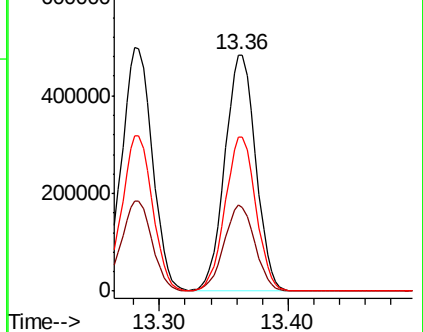
148 64.9 32.5 97.4

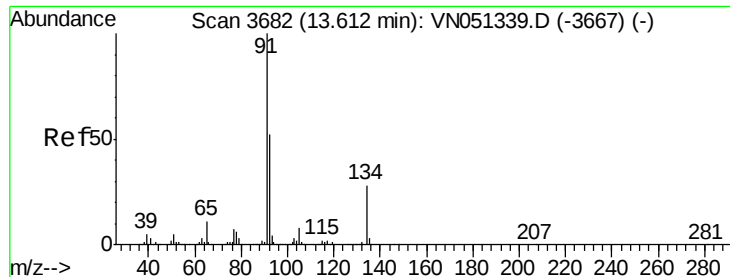


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 54.50 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

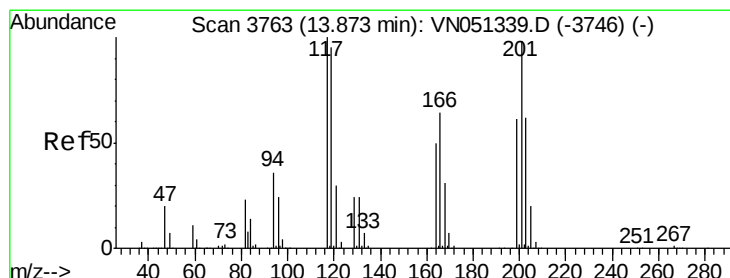
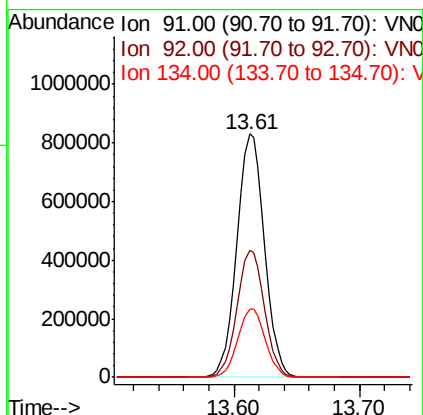
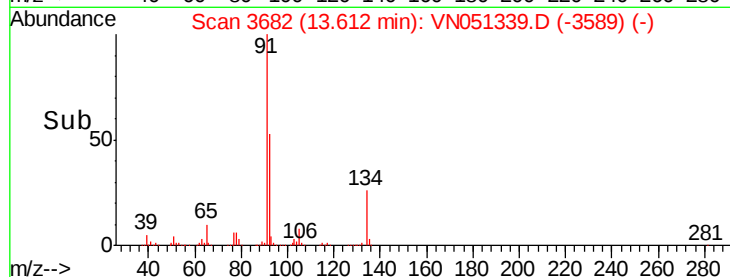
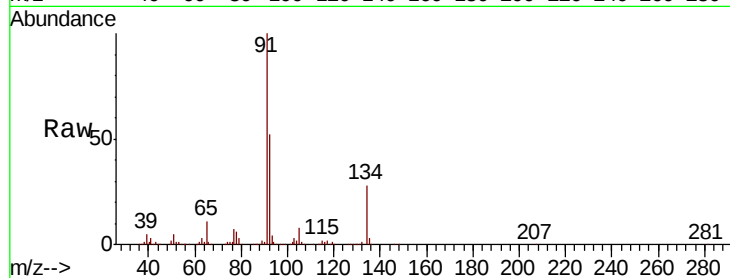
Tot Ion: 91 Resp: 1268334

Ion Ratio Lower Upper

91 100

92 52.0 26.0 78.0

134 28.3 14.1 42.4



#90

Hexachloroethane

Concen: 45.78 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN051339.D

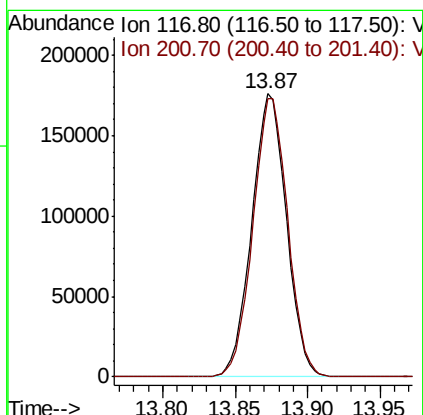
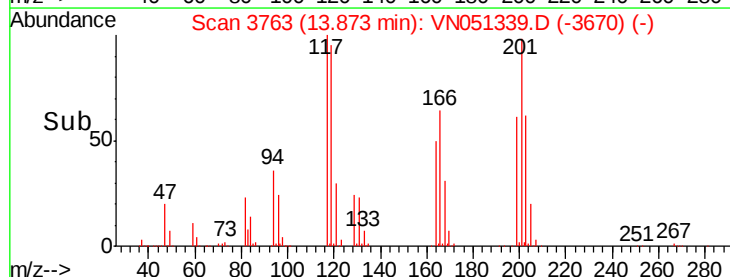
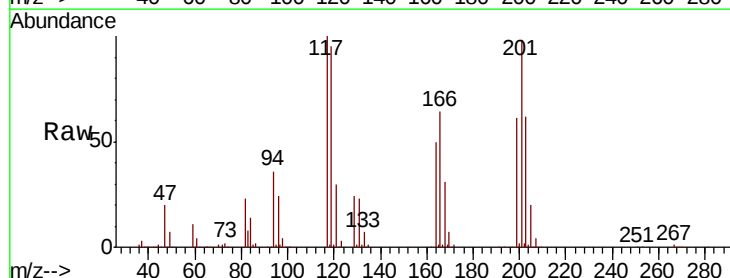
Acq: 20 Sep 2018 14:41

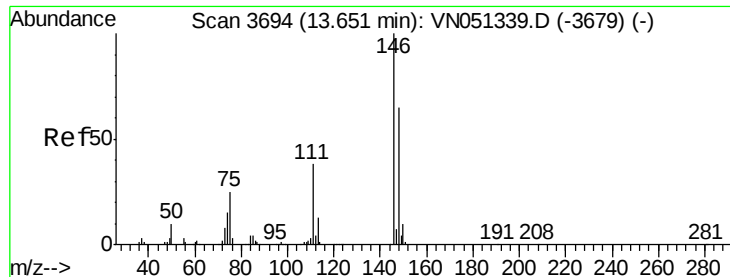
Tgt Ion: 117 Resp: 293530

Ion Ratio Lower Upper

117 100

201 98.9 49.5 148.3





#91

1,2-Dichlorobenzene

Concen: 49.65 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

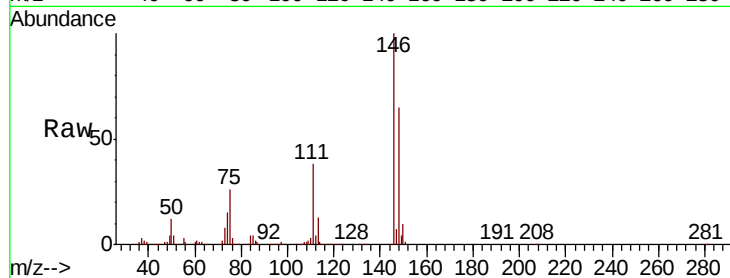
Tot Ion:146 Resp: 794052

Ion Ratio Lower Upper

146 100

111 38.5 19.3 57.8

148 65.8 32.9 98.7



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

600000

500000

400000

300000

200000

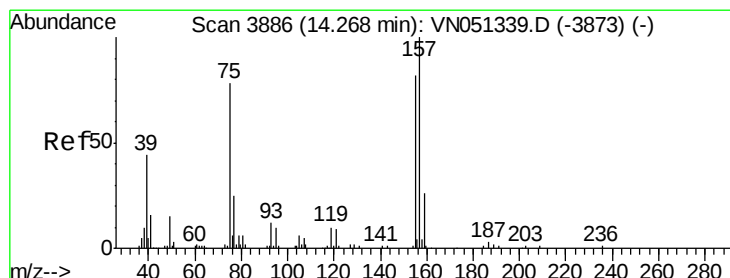
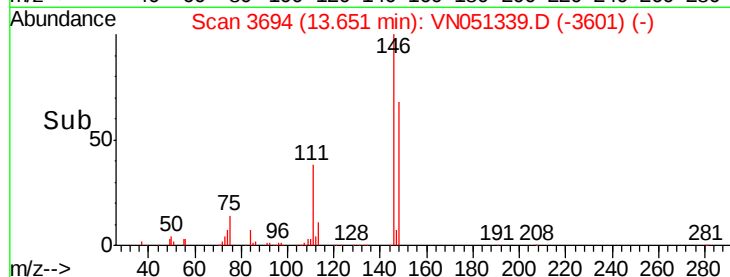
100000

0

13.65

13.60 13.65 13.70

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.64 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

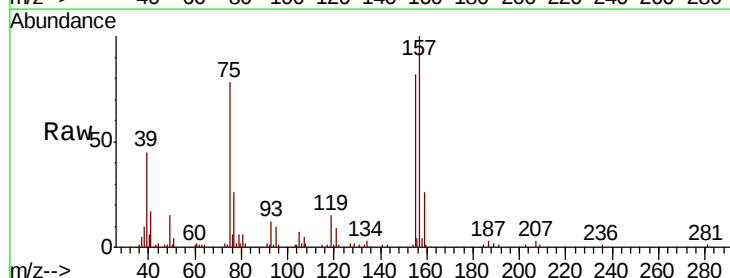
Tgt Ion: 75 Resp: 54349

Ion Ratio Lower Upper

75 100

155 102.8 51.4 154.2

157 130.8 65.4 196.2



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

50000

40000

30000

20000

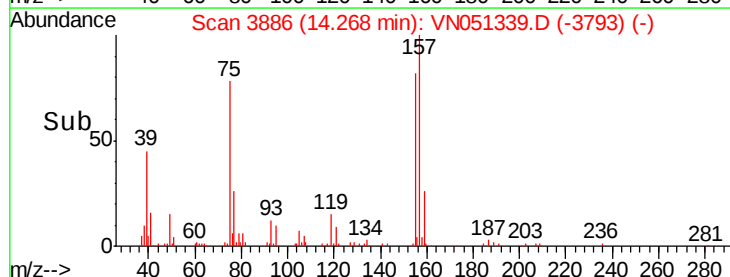
10000

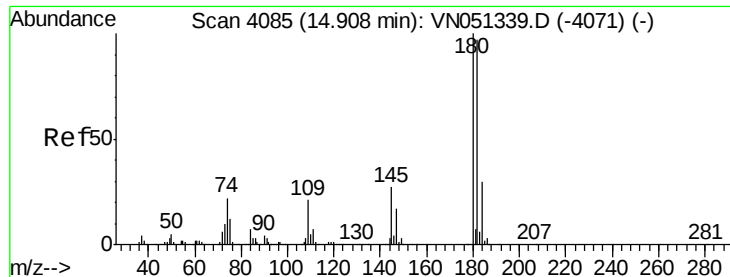
0

14.27

14.20 14.25 14.30

Time-->

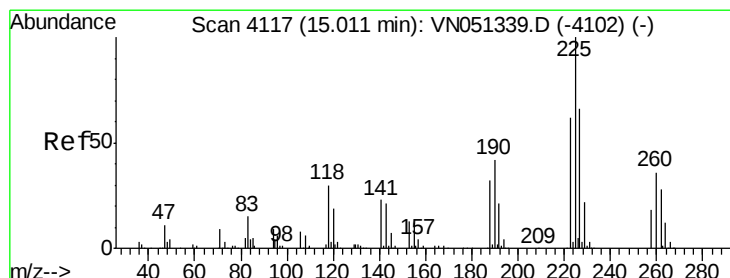
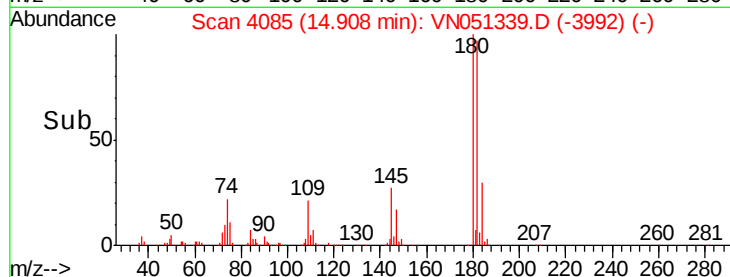
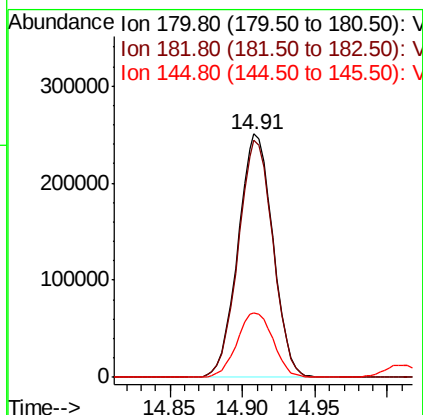
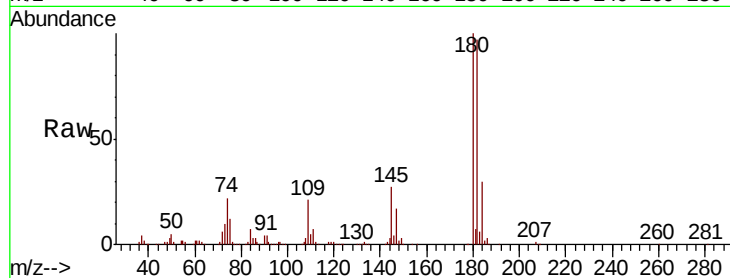




#93
 1,2,4-Trichlorobenzene
 Concen: 57.04 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051339.D
 Acq: 20 Sep 2018 14:41

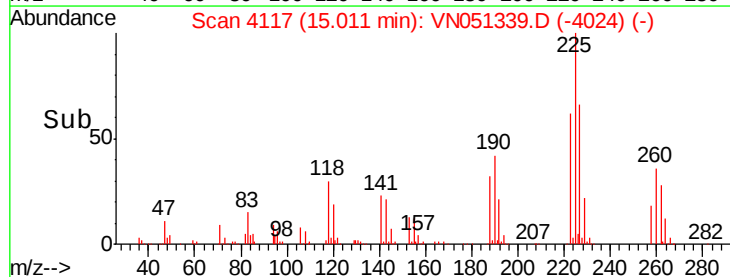
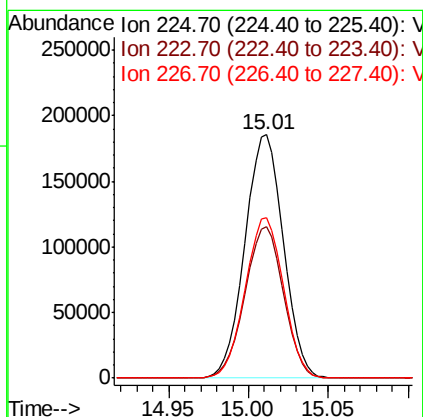
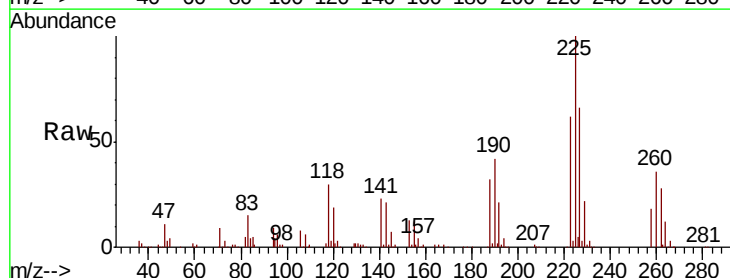
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

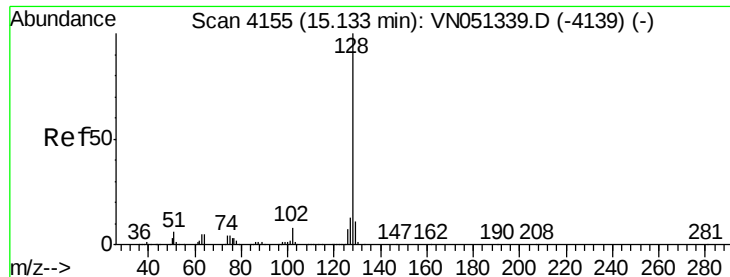
Tot Ion:180 Resp: 418168
 Ion Ratio Lower Upper
 180 100
 182 96.8 48.4 145.2
 145 27.4 13.7 41.1



#94
 Hexachlorobutadiene
 Concen: 49.06 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051339.D
 Acq: 20 Sep 2018 14:41

Tgt Ion:225 Resp: 304495
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.2 93.6
 227 65.6 32.8 98.4





#95

Naphthalene

Concen: 57.65 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

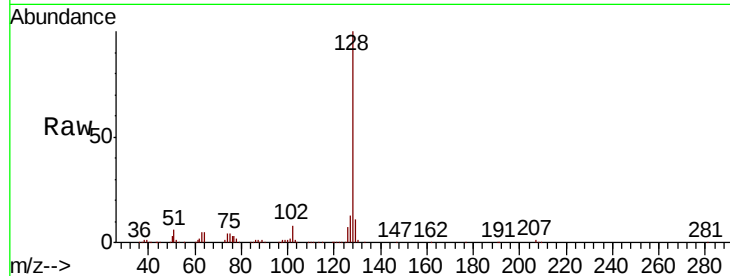
Tot Ion:128 Resp: 745104

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 10.8 8.6 13.0

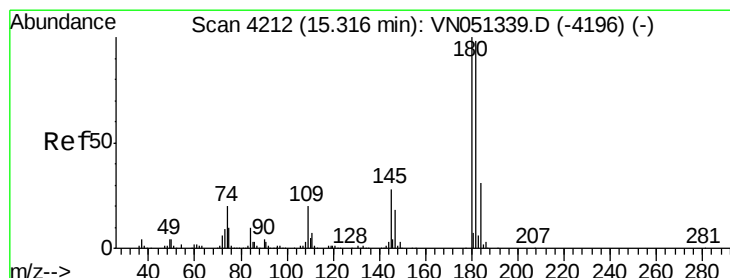
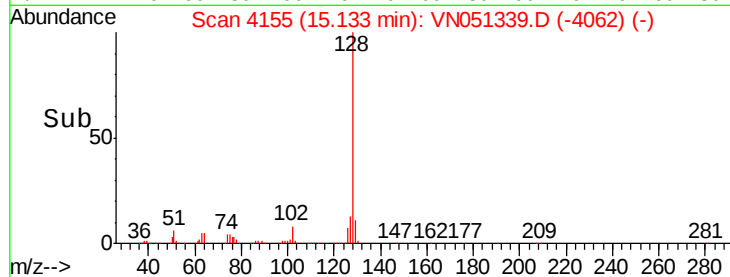
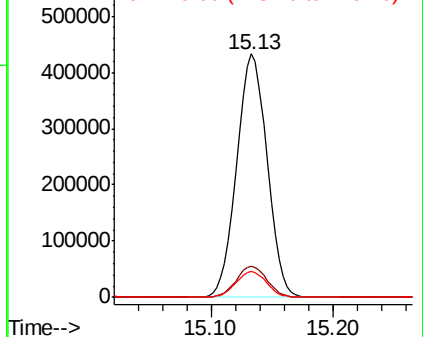


Abundance

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: 56.31 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051339.D

Acq: 20 Sep 2018 14:41

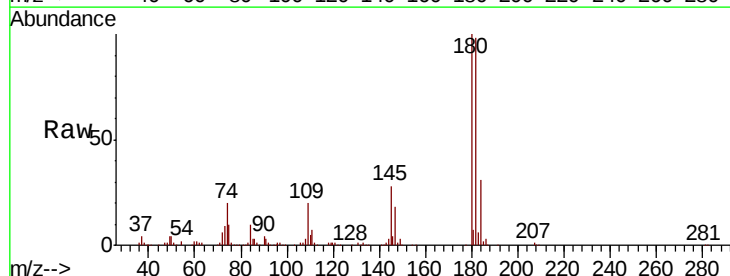
Tgt Ion:180 Resp: 410745

Ion Ratio Lower Upper

180 100

182 96.2 48.1 144.3

145 28.6 14.3 42.9



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

