

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100418\
 Data File : VN051664.D
 Acq On : 4 Oct 2018 14:01
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 05 06:42:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	631704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	959969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	926794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	546859	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	422682	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
35) Dibromofluoromethane	7.59	113	366214	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
50) Toluene-d8	10.09	98	1419551	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
62) 4-Bromofluorobenzene	12.40	95	513873	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	418841	52.947	ug/l	98
3) Chloromethane	2.06	50	375522	52.090	ug/l	99
4) Vinyl Chloride	2.19	62	580419	51.111	ug/l	99
5) Bromomethane	2.56	94	441729	50.581	ug/l	98
6) Chloroethane	2.70	64	374518	49.070	ug/l	99
7) Trichlorofluoromethane	3.01	101	835820	71.271	ug/l	99
8) Diethyl Ether	3.41	74	167657	50.663	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	323574	51.265	ug/l	99
10) Methyl Iodide	3.95	142	400825	48.122	ug/l	99
11) Tert butyl alcohol	4.79	59	136205	240.159	ug/l	100
12) 1,1-Dichloroethene	3.73	96	293700	49.925	ug/l	98
13) Acrolein	3.61	56	95871	270.575	ug/l	96
14) Allyl chloride	4.32	41	448974	50.039	ug/l	98
15) Acrylonitrile	4.99	53	489086	249.904	ug/l	99
16) Acetone	3.82	43	375588	270.530	ug/l	100
17) Carbon Disulfide	4.05	76	870661	48.690	ug/l	99
18) Methyl Acetate	4.33	43	232764	50.534	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	944368	48.633	ug/l	99
20) Methylene Chloride	4.55	84	335158	48.815	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	339598	48.714	ug/l	96
22) Diisopropyl ether	5.95	45	948434	49.311	ug/l	99
23) Vinyl Acetate	5.90	43	3496735	247.257	ug/l	99
24) 1,1-Dichloroethane	5.85	63	605286	48.933	ug/l	99
25) 2-Butanone	6.84	43	601204	249.487	ug/l	99
26) 2,2-Dichloropropane	6.82	77	613976	49.530	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	383850	47.432	ug/l	98
28) Bromochloromethane	7.19	49	270297	49.358	ug/l	100
29) Tetrahydrofuran	7.21	42	372641	251.991	ug/l	98
30) Chloroform	7.37	83	679049	48.859	ug/l	99
31) Cyclohexane	7.65	56	551981	48.725	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	655373	48.650	ug/l	99
36) 1,1-Dichloropropene	7.79	75	498991	49.730	ug/l	99
37) Ethyl Acetate	6.93	43	269033	51.408	ug/l	99
38) Carbon Tetrachloride	7.77	117	596435	49.537	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	642743	51.030	ug/l	97
40) Benzene	8.04	78	1505237	50.604	ug/l	99
41) Methacrylonitrile	7.18	41	141765	52.592	ug/l	92
42) 1,2-Dichloroethane	8.12	62	506689	50.545	ug/l	99
43) Isopropyl Acetate	8.17	43	558369	51.175	ug/l #	88
44) Trichloroethene	8.83	130	420846	49.828	ug/l	96
45) 1,2-Dichloropropane	9.12	63	367128	49.920	ug/l	100
46) Dibromomethane	9.21	93	255790	50.039	ug/l	97
47) Bromodichloromethane	9.40	83	552541	49.102	ug/l	99
48) Methyl methacrylate	9.20	41	248010	49.744	ug/l	99
49) 1,4-Dioxane	9.20	88	73414	982.010	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1420949	257.006	ug/l	100
52) Toluene	10.16	92	1029674	52.046	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	596346	51.358	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	614751	49.857	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	355826	50.488	ug/l	99
56) Ethyl methacrylate	10.43	69	459394	51.544	ug/l	99
57) 1,3-Dichloropropane	10.71	76	568240	50.943	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	951200	257.874	ug/l	100
59) 2-Hexanone	10.75	43	984528	262.203	ug/l	98
60) Dibromochloromethane	10.90	129	474162	51.411	ug/l	99
61) 1,2-Dibromoethane	11.01	107	378606	50.816	ug/l	99
64) Tetrachloroethene	10.63	164	403251	49.318	ug/l	98
65) Chlorobenzene	11.43	112	1126818	49.091	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	460183	50.071	ug/l	99
67) Ethyl Benzene	11.51	91	2005316	50.545	ug/l	100
68) m/p-Xylenes	11.62	106	1626529	102.463	ug/l	99
69) o-Xylene	11.95	106	794329	51.024	ug/l	100
70) Styrene	11.96	104	1274943	51.395	ug/l	99
71) Bromoform	12.13	173	344542	50.400	ug/l #	99
73) Isopropylbenzene	12.25	105	2151957	46.163	ug/l	99
74) N-amyl acetate	12.07	43	487400	50.630	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	448757	49.621	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	569886	86.898	ug/l #	100
77) Bromobenzene	12.53	156	519533	45.580	ug/l	100
78) n-propylbenzene	12.59	91	2408135	47.362	ug/l	99
79) 2-Chlorotoluene	12.67	91	1396744	46.611	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1854273	47.200	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	141472	47.554	ug/l	99
82) 4-Chlorotoluene	12.77	91	1451922	48.232	ug/l	100
83) tert-Butylbenzene	12.99	119	1653915	46.984	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1877885	47.723	ug/l	99
85) sec-Butylbenzene	13.17	105	2231034	47.914	ug/l	100
86) p-Isopropyltoluene	13.29	119	2023892	49.029	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	988969	49.793	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	950279	48.609	ug/l	99
89) n-Butylbenzene	13.62	91	1634381	50.076	ug/l	99
90) Hexachloroethane	13.88	117	391453	47.530	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	940750	47.646	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	78597	47.996	ug/l	99

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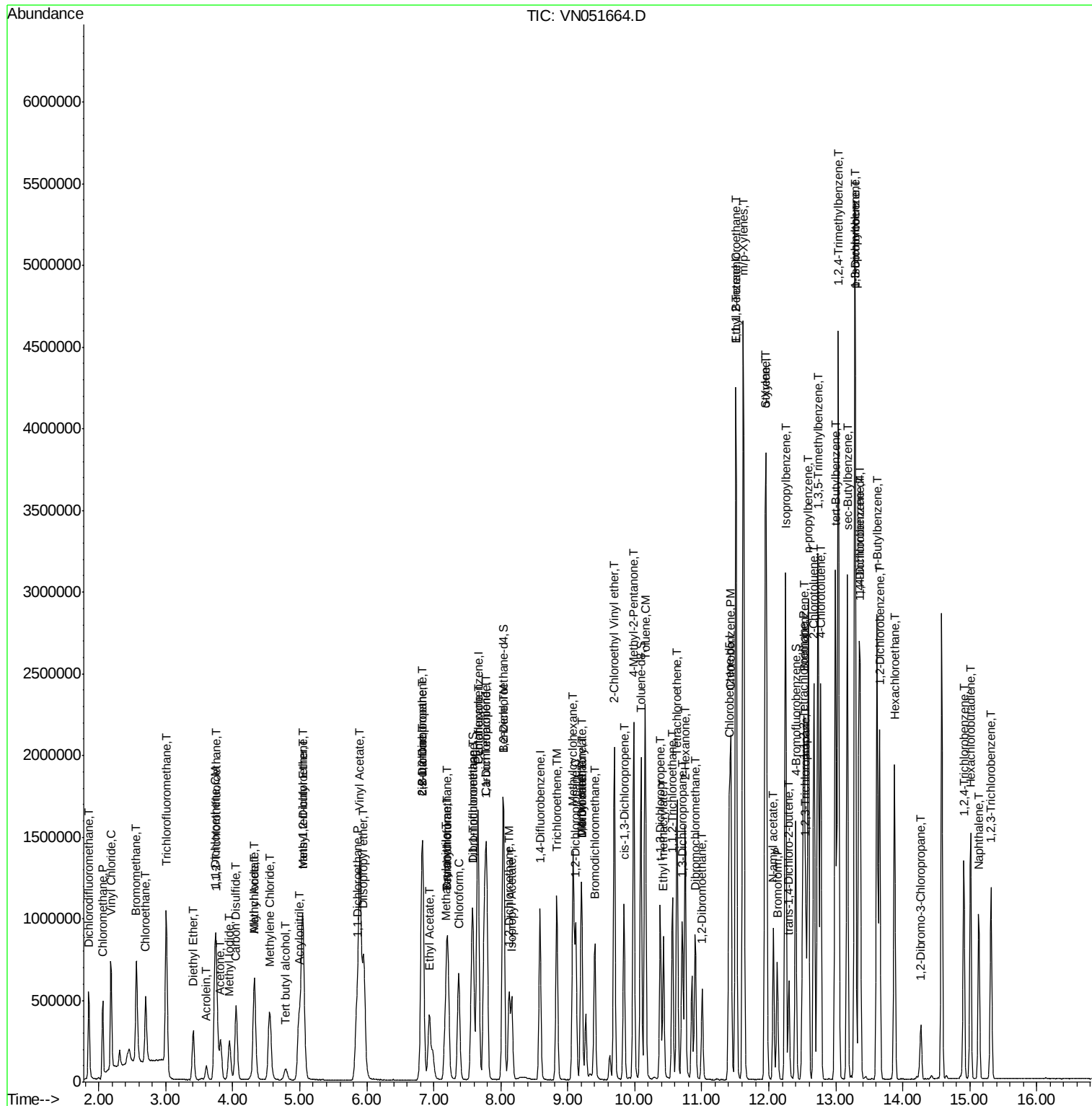
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	435146	49.528	ug/l	99
94) Hexachlorobutadiene	15.01	225	281109	47.157	ug/l	99
95) Naphthalene	15.13	128	897082	47.282	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	413617	47.801	ug/l	100

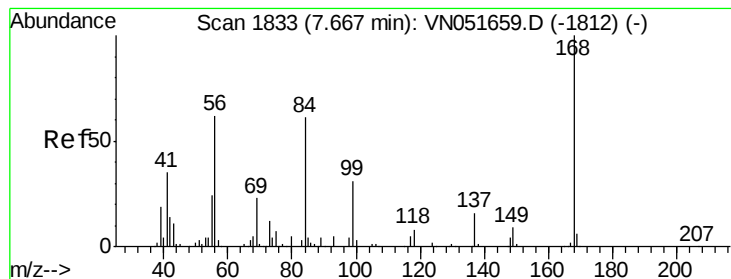
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

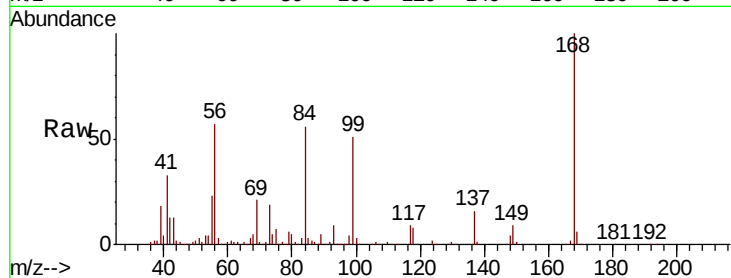
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 631704

Ion Ratio Lower Upper

168 100

99 51.1 40.4 60.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

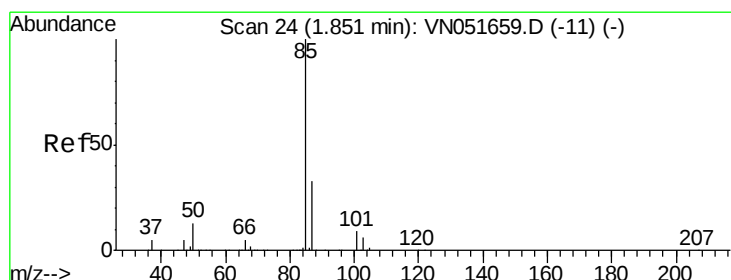
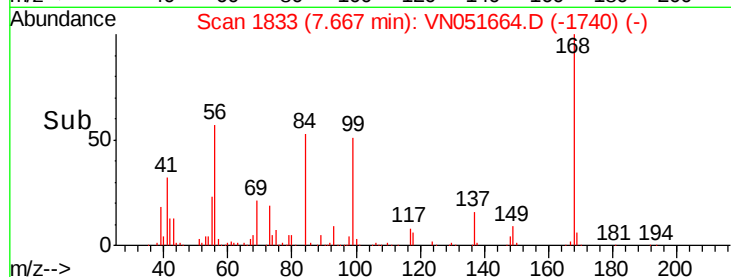
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.947 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051664.D

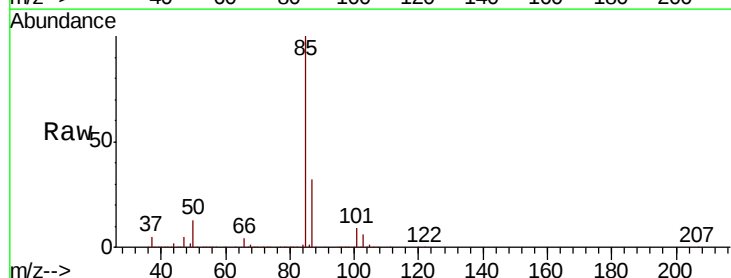
Acq: 4 Oct 2018 14:01

Tgt Ion: 85 Resp: 418841

Ion Ratio Lower Upper

85 100

87 31.9 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

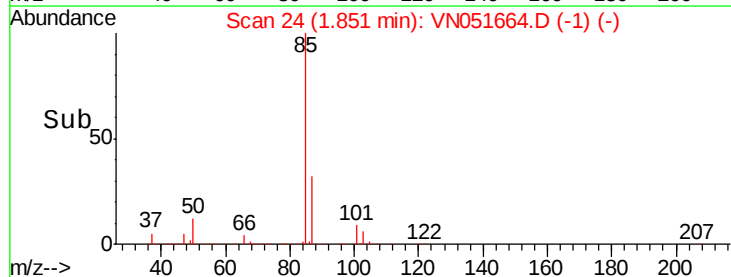
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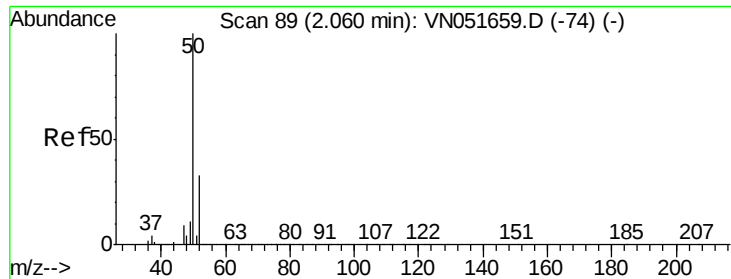
200000

100000

0

Time-->





#3

Chloromethane

Concen: 52.090 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

Instrument :

MSVOA_N

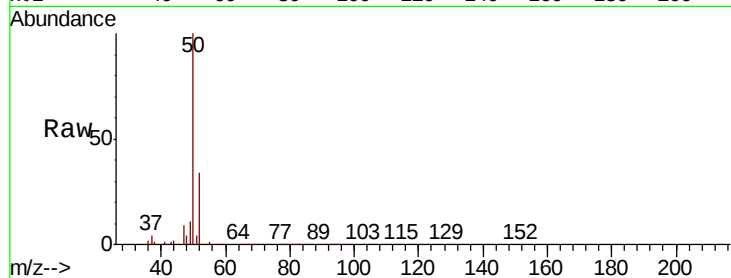
ClientSampleId :

Tot Ion: 50 Resp: 375522

Ion Ratio Lower Upper

50 100

52 33.7 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VN051659.D (-74) (-)

Ion 51.90 (51.60 to 52.60): VN051664.D (-1) (-)

2.06

300000

250000

200000

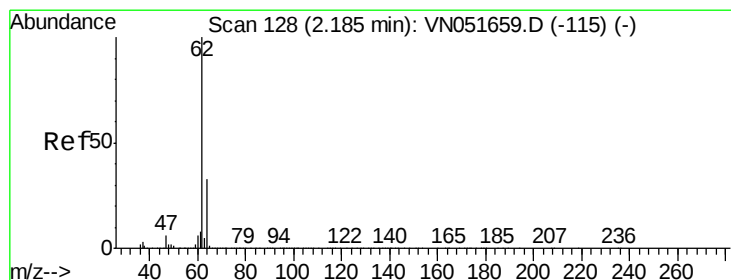
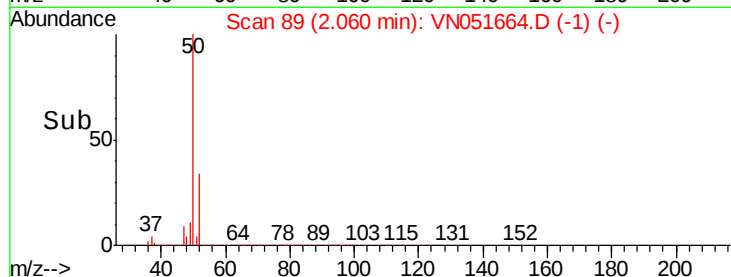
150000

100000

50000

0

Time--> 1.95 2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 51.111 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051664.D

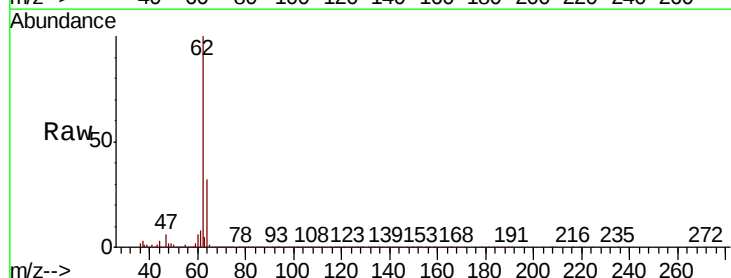
Acq: 4 Oct 2018 14:01

Tgt Ion: 62 Resp: 580419

Ion Ratio Lower Upper

62 100

64 32.1 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN051659.D (-115) (-)

Ion 63.90 (63.60 to 64.60): VN051664.D (-35) (-)

2.19

400000

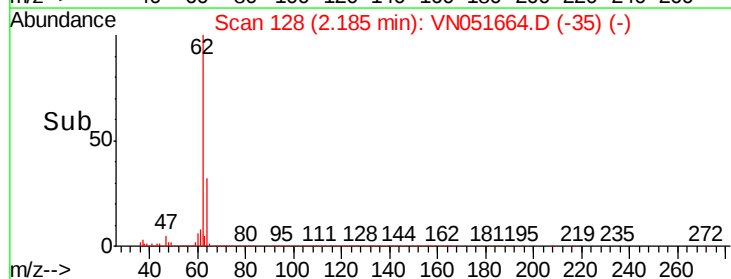
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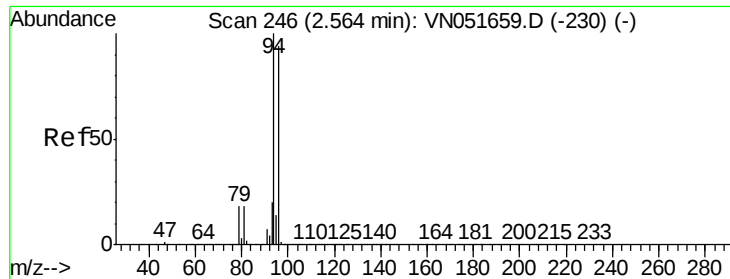
200000

100000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 50.581 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

Instrument :

MSVOA_N

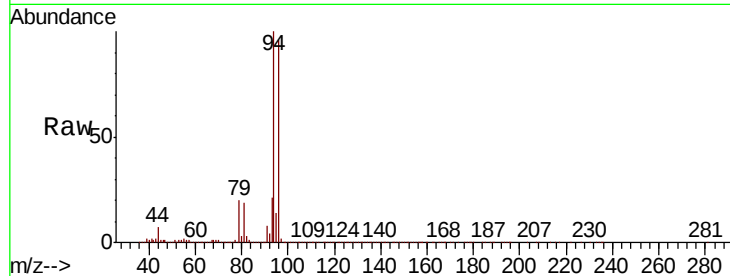
ClientSampled :

Tot Ion: 94 Resp: 441729

Ion Ratio Lower Upper

94 100

96 95.8 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

250000

200000

150000

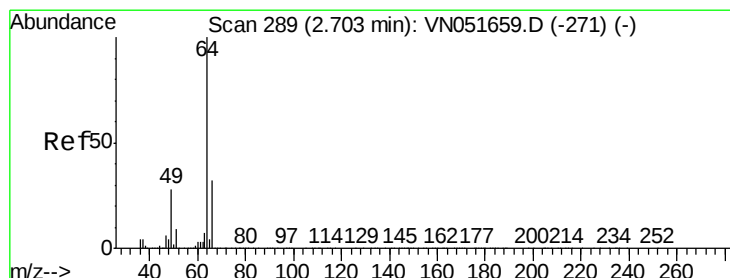
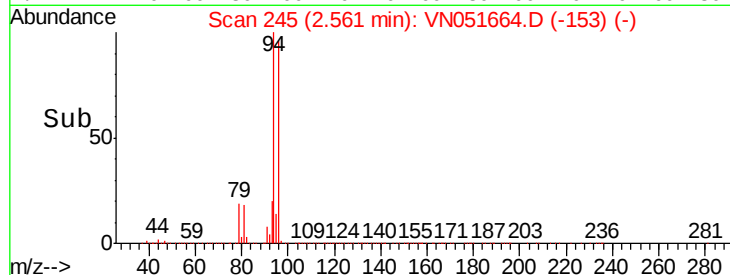
100000

50000

0

2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 49.070 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051664.D

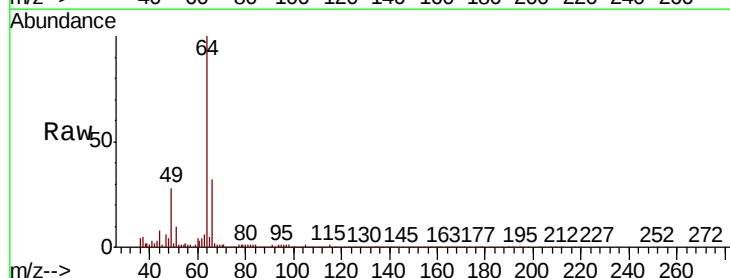
Acq: 4 Oct 2018 14:01

Tgt Ion: 64 Resp: 374518

Ion Ratio Lower Upper

64 100

66 31.8 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

200000

150000

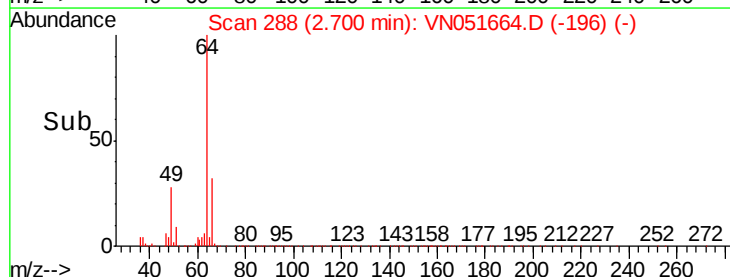
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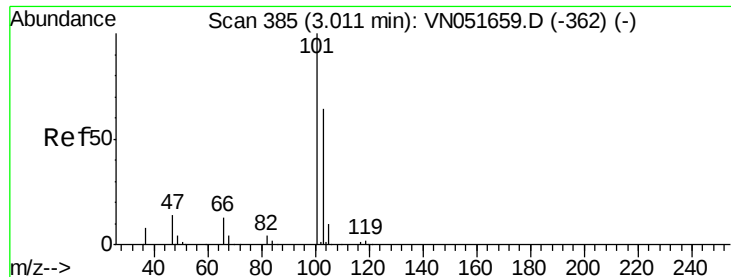
50000

0

2.60 2.65 2.70 2.75 2.80

Time-->



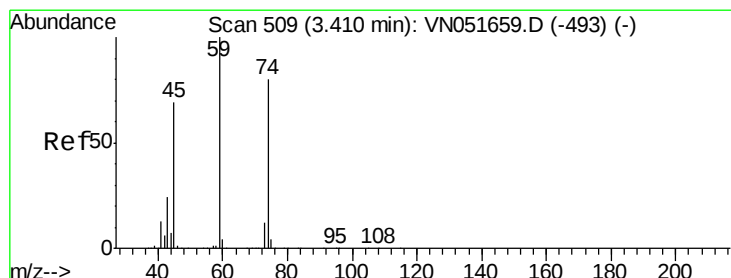
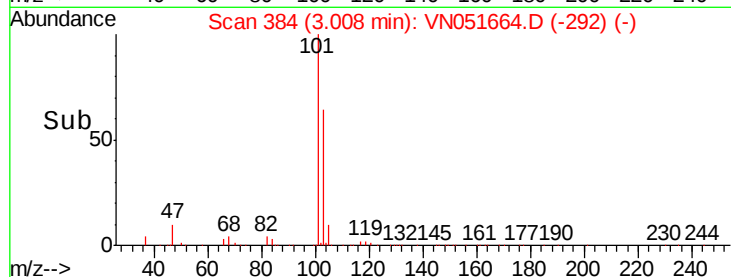
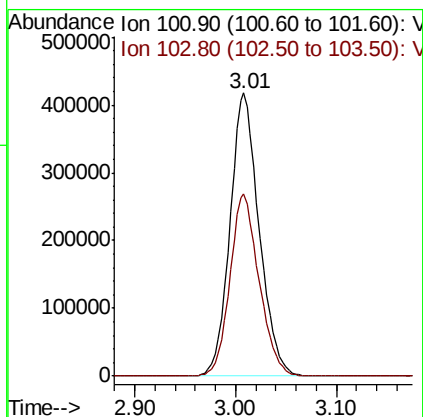
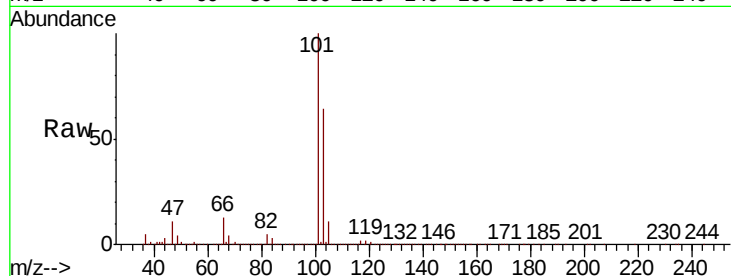


#7

Trichlorofluoromethane
 Concen: 71.271 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN051664.D
 Acq: 4 Oct 2018 14:01

Instrument :
 MSVOA_N
 ClientSampleId :

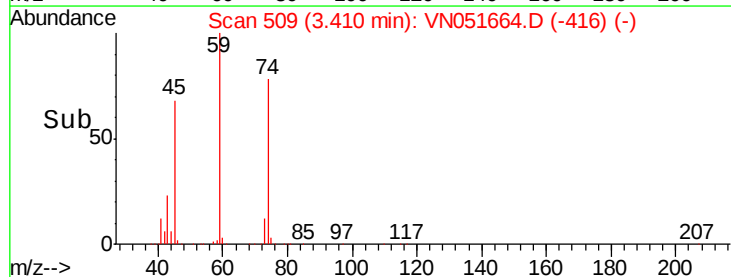
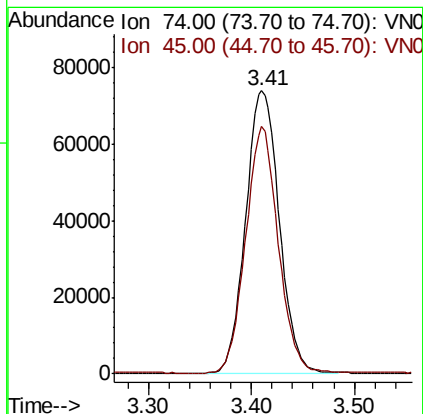
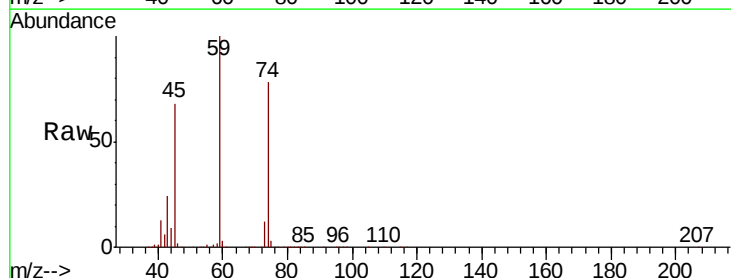
Tot Ion:101 Resp: 835820
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.1 76.7

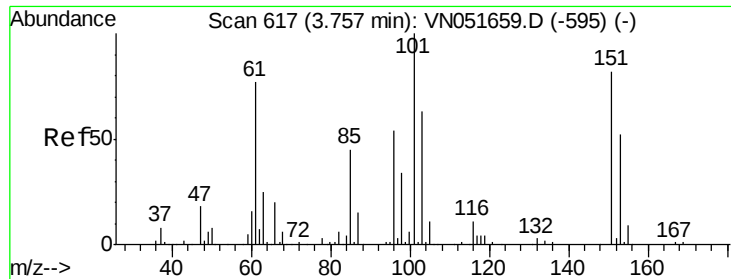


#8

Diethyl Ether
 Concen: 50.663 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN051664.D
 Acq: 4 Oct 2018 14:01

Tgt Ion: 74 Resp: 167657
 Ion Ratio Lower Upper
 74 100
 45 84.2 44.3 132.9

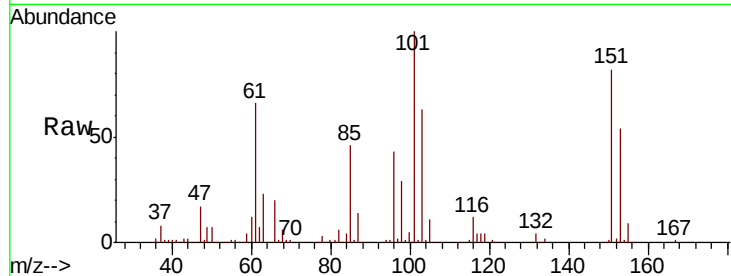




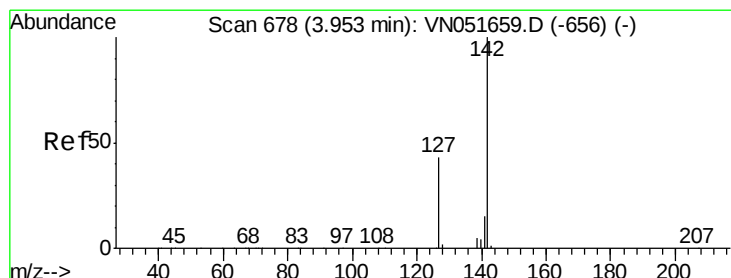
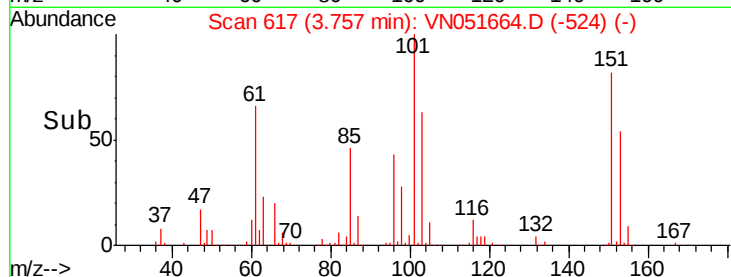
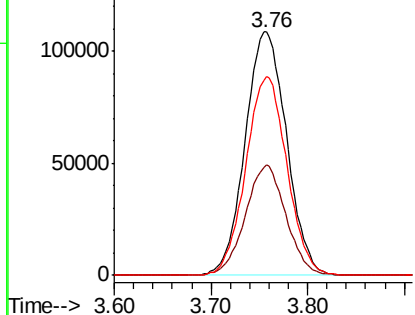
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.265 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: VN051664.D
 Acq: 4 Oct 2018 14:01

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:101 Resp: 323574
 Ion Ratio Lower Upper
 101 100
 85 44.4 35.6 53.4
 151 81.1 65.5 98.3

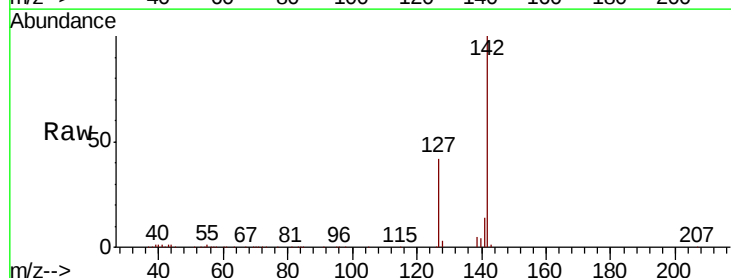


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

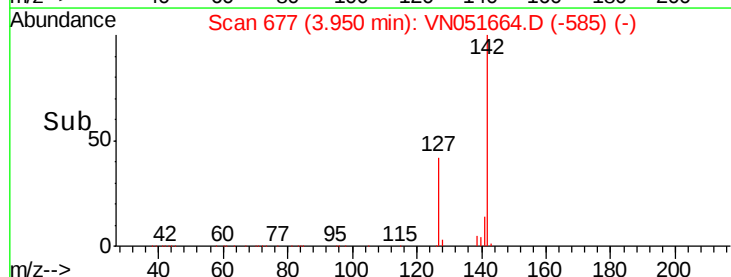
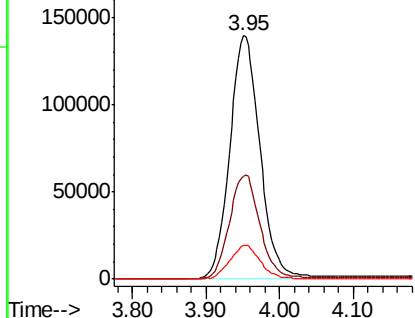


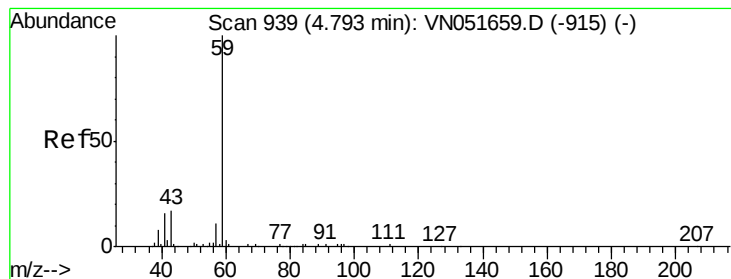
#10
 Methyl Iodide
 Concen: 48.122 ug/l
 RT: 3.95 min Scan# 677
 Delta R.T. -0.00 min
 Lab File: VN051664.D
 Acq: 4 Oct 2018 14:01

Tgt Ion:142 Resp: 400825
 Ion Ratio Lower Upper
 142 100
 127 43.0 34.7 52.1
 141 14.0 11.4 17.2



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V



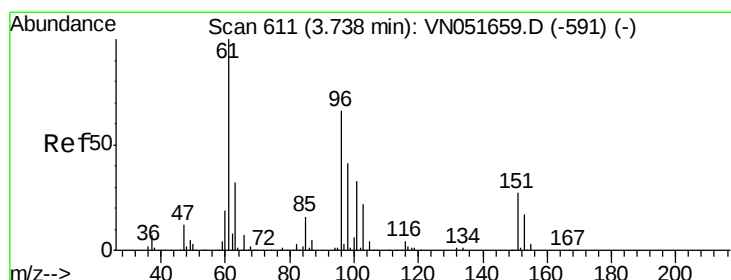
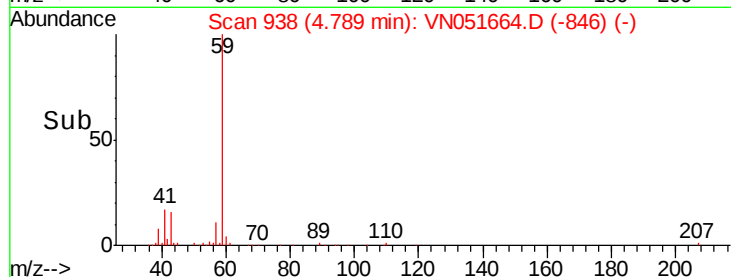
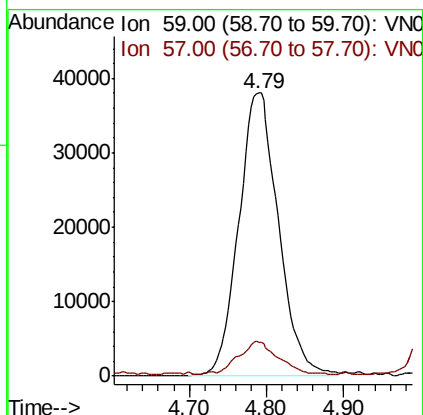
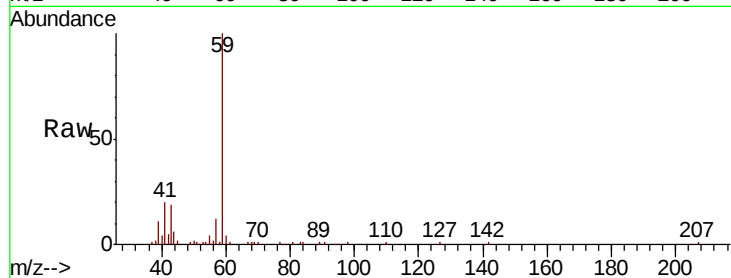


#11

Tert butyl alcohol
 Concen: 240.159 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VN051664.D
 Acq: 4 Oct 2018 14:01

Instrument :
 MSVOA_N
 ClientSampleId :

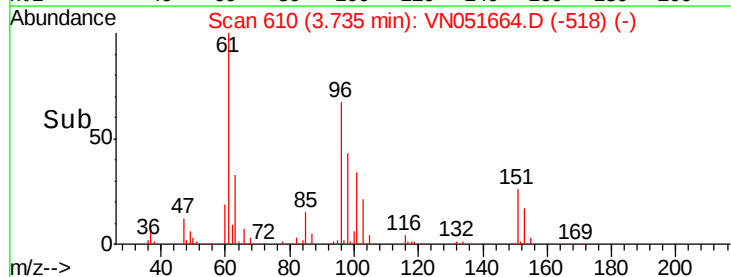
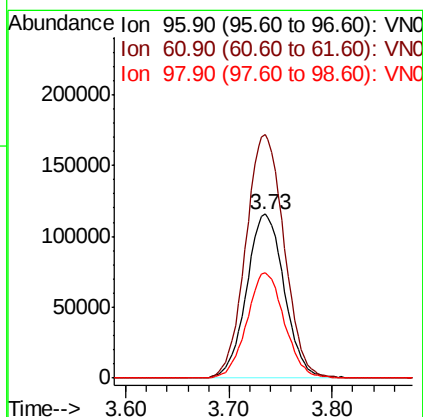
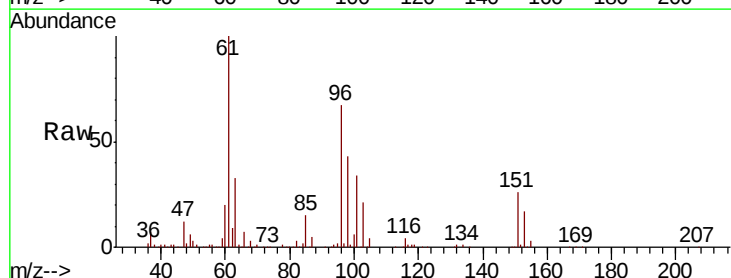
Tot Ion: 59 Resp: 136205
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.1 12.1

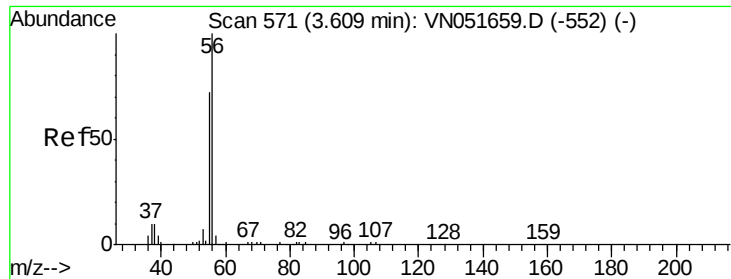


#12

1,1-Dichloroethene
 Concen: 49.925 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051664.D
 Acq: 4 Oct 2018 14:01

Tgt Ion: 96 Resp: 293700
 Ion Ratio Lower Upper
 96 100
 61 148.3 121.4 182.0
 98 63.6 49.9 74.9





#13

Acrolein

Concen: 270.575 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

Instrument :

MSVOA_N

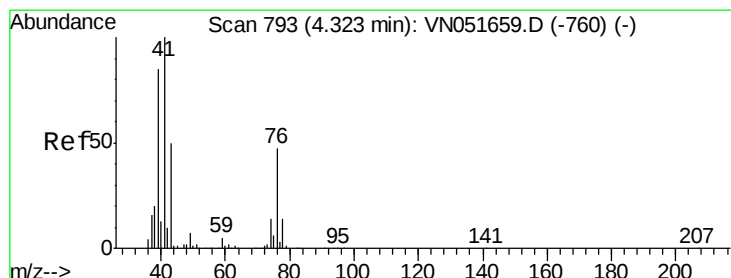
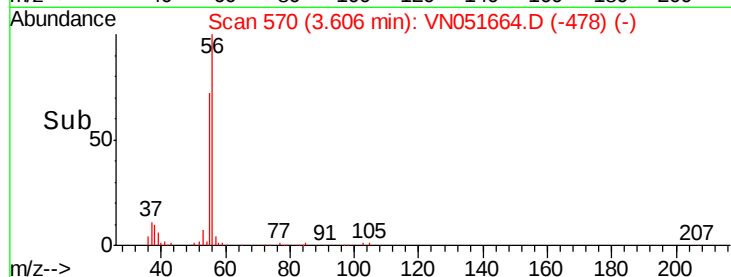
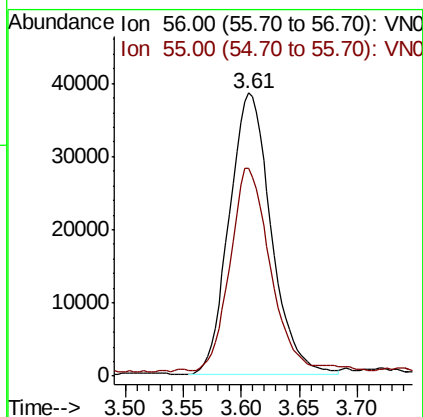
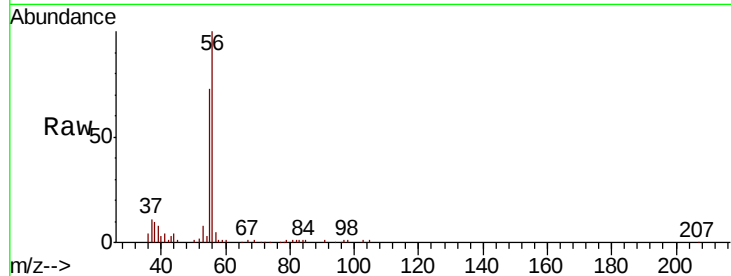
ClientSampleId :

Tot Ion: 56 Resp: 95871

Ion Ratio Lower Upper

56 100

55 68.7 57.5 86.3



#14

Allyl chloride

Concen: 50.039 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

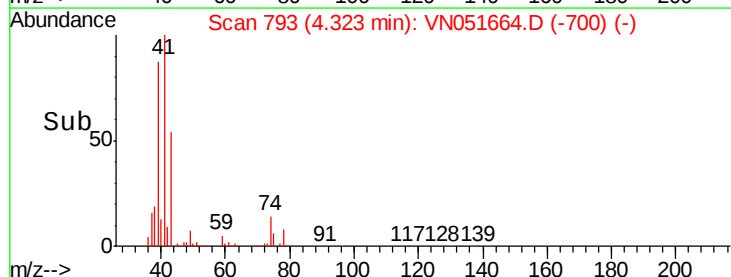
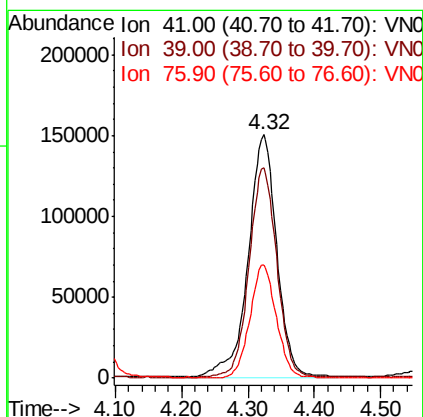
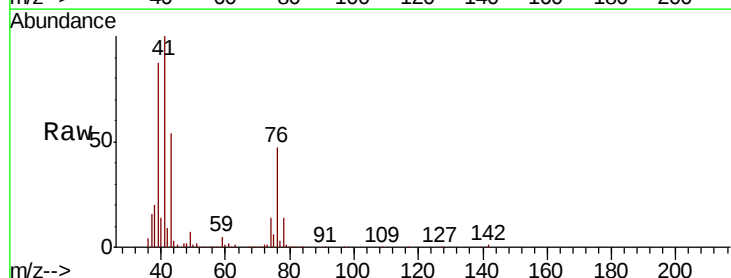
Tgt Ion: 41 Resp: 448974

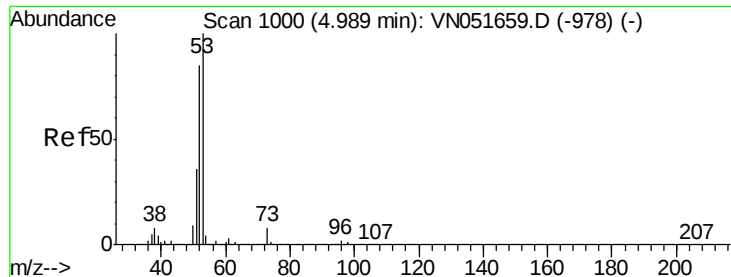
Ion Ratio Lower Upper

41 100

39 84.0 65.4 98.0

76 42.3 34.3 51.5

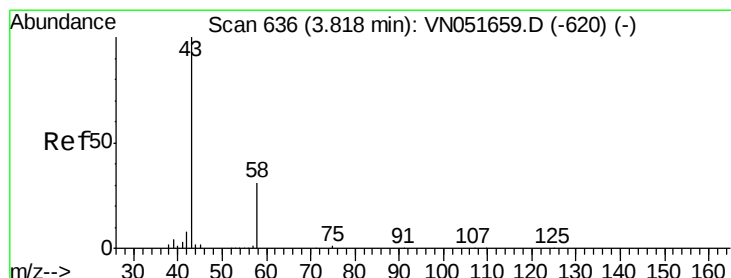
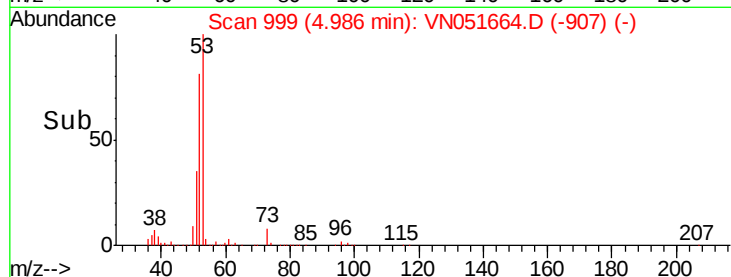
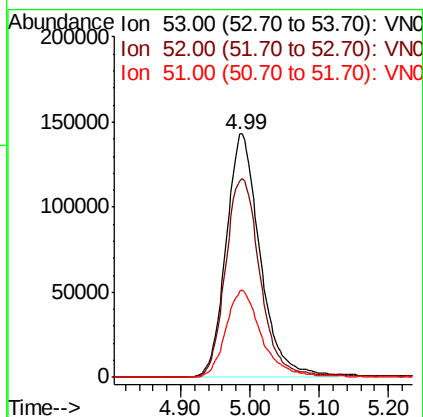
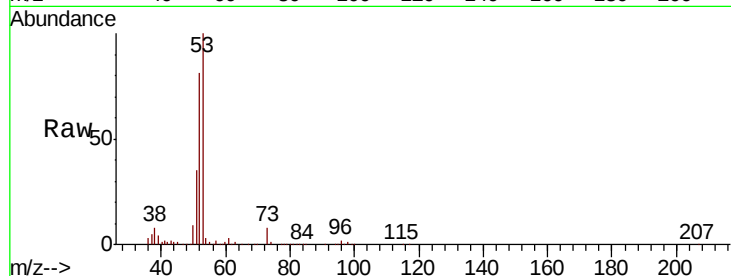




#15
 Acrylonitrile
 Concen: 249.904 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN051664.D
 Acq: 4 Oct 2018 14:01

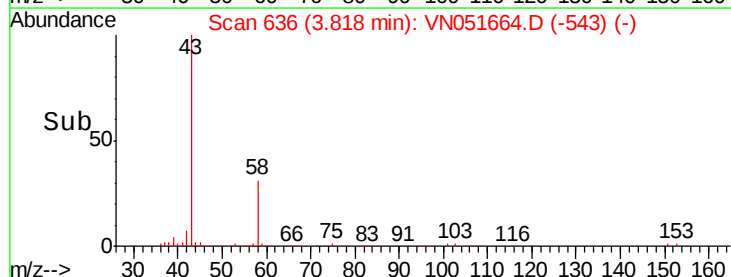
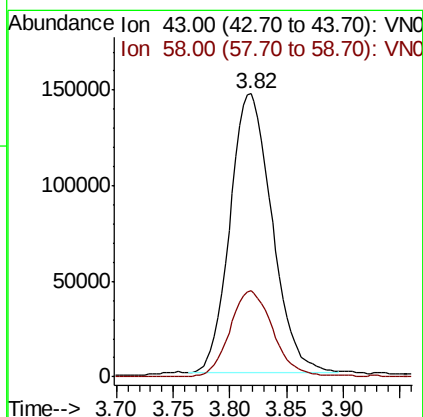
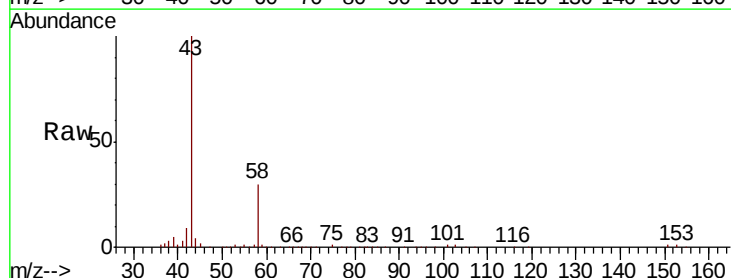
Instrument :
 MSVOA_N
 ClientSampleId :

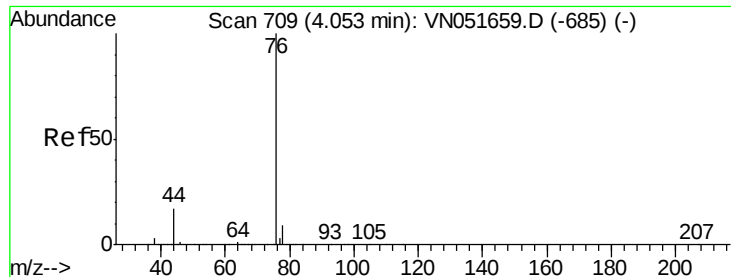
Tot Ion: 53 Resp: 489086
 Ion Ratio Lower Upper
 53 100
 52 83.4 66.2 99.2
 51 37.9 30.3 45.5



#16
 Acetone
 Concen: 270.530 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN051664.D
 Acq: 4 Oct 2018 14:01

Tgt Ion: 43 Resp: 375588
 Ion Ratio Lower Upper
 43 100
 58 30.4 24.3 36.5

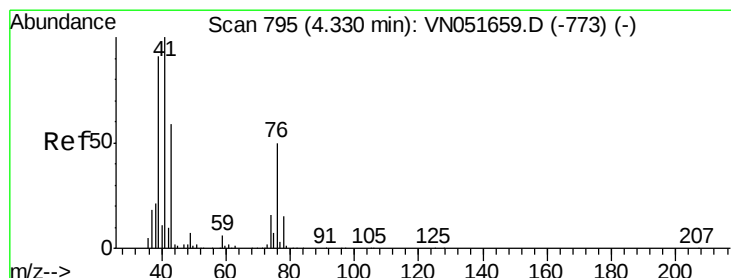
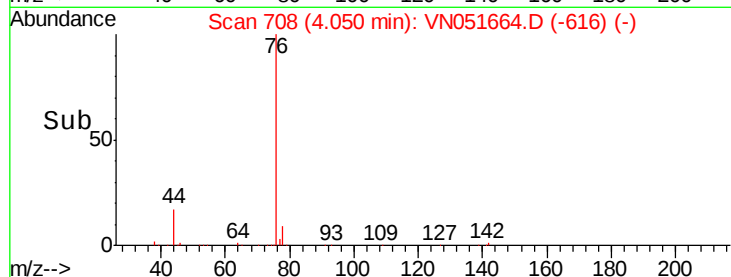
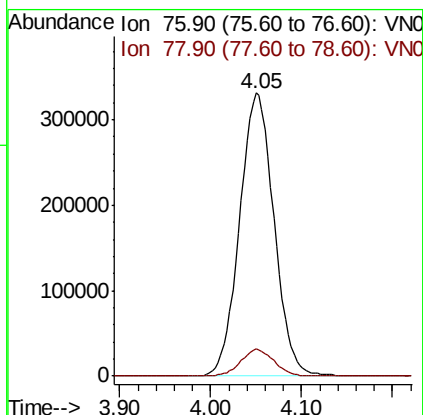
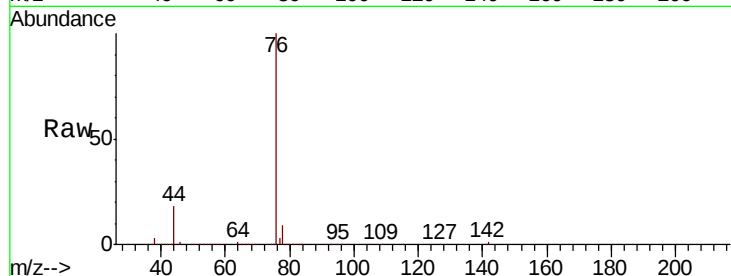




#17
Carbon Disulfide
Concen: 48.690 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN051664.D
Acq: 4 Oct 2018 14:01

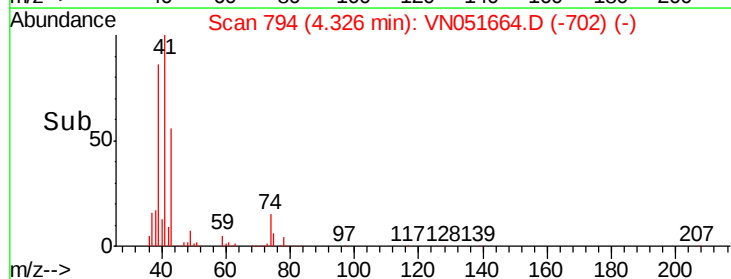
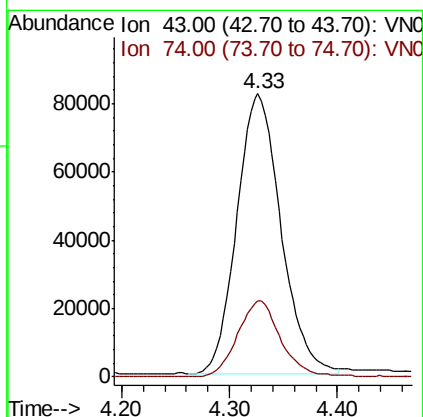
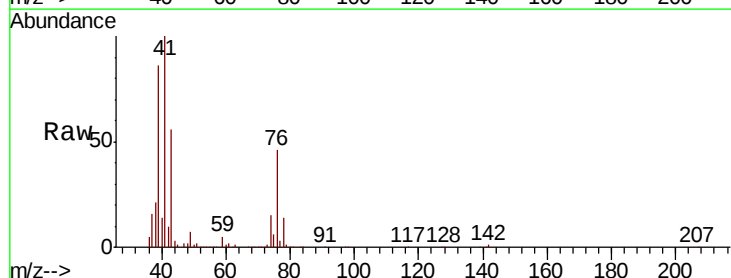
Instrument :
MSVOA_N
ClientSampleId :

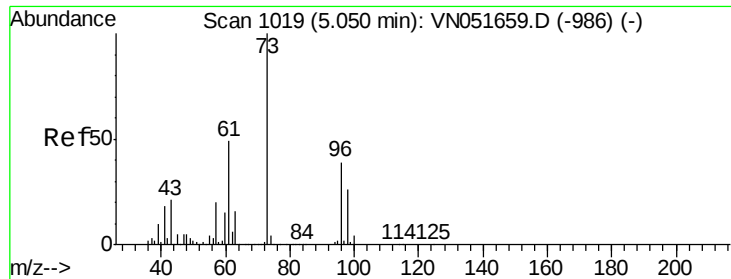
Tot Ion: 76 Resp: 870661
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8



#18
Methyl Acetate
Concen: 50.534 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051664.D
Acq: 4 Oct 2018 14:01

Tgt Ion: 43 Resp: 232764
Ion Ratio Lower Upper
43 100
74 26.7 21.5 32.3

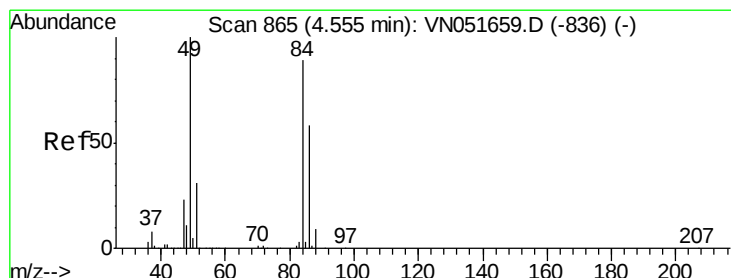
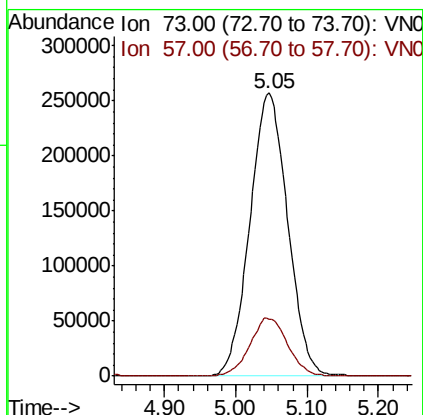
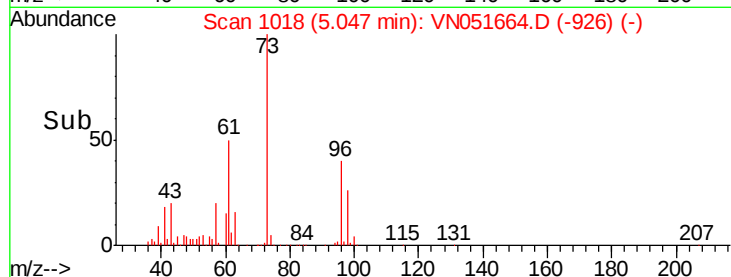
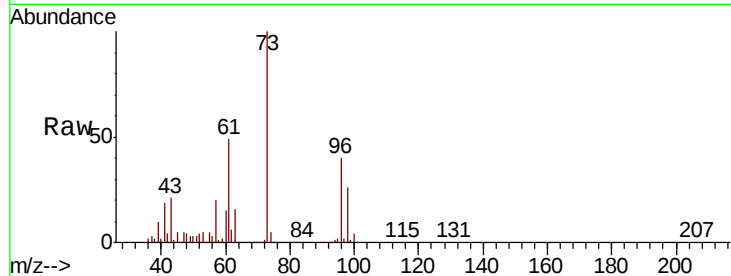




#19
Methvl tert-butvl Ether
Concen: 48.633 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051664.D
Acq: 4 Oct 2018 14:01

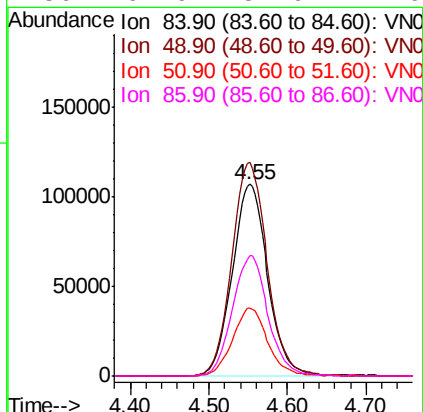
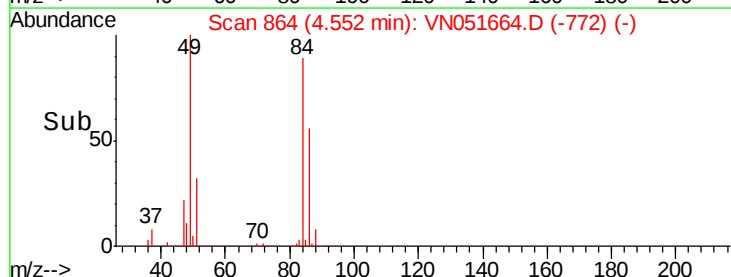
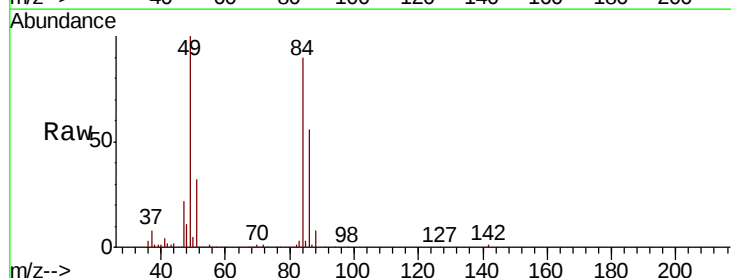
Instrument :
MSVOA_N
ClientSampled :

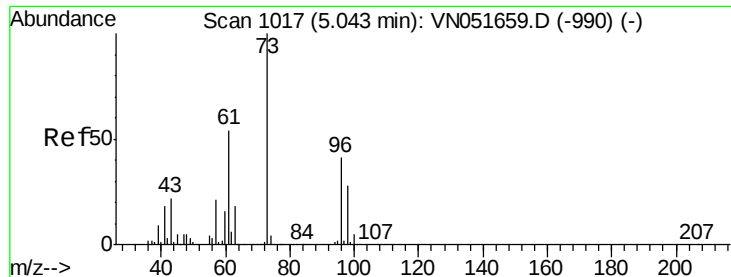
Tot Ion: 73 Resp: 944368
Ion Ratio Lower Upper
73 100
57 20.1 15.6 23.4



#20
Methylene Chloride
Concen: 48.815 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051664.D
Acq: 4 Oct 2018 14:01

Tgt Ion: 84 Resp: 335158
Ion Ratio Lower Upper
84 100
49 111.7 89.5 134.3
51 35.5 27.4 41.0
86 62.9 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 48.714 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

Instrument :
MSVOA_N
ClientSampled :

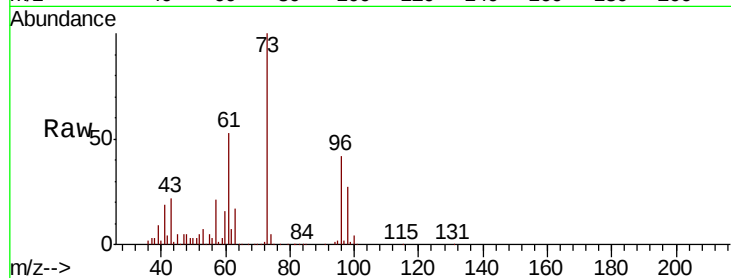
Tot Ion: 96 Resp: 339598

Ion Ratio Lower Upper

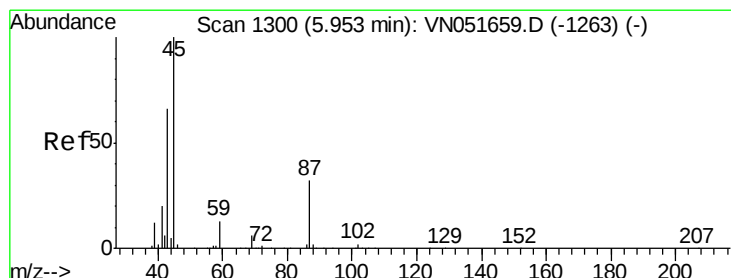
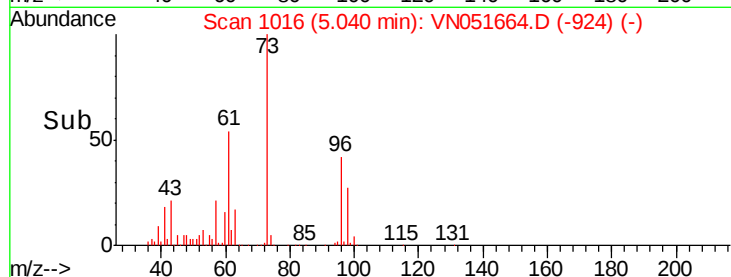
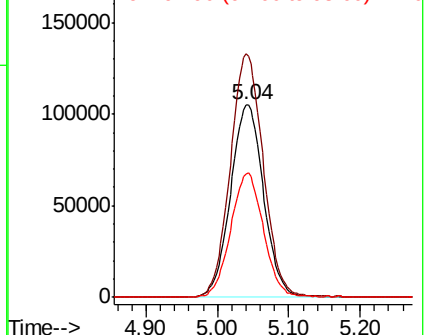
96 100

61 126.3 104.7 157.1

98 64.0 54.6 82.0



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



#22

Diisopropyl ether

Concen: 49.311 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

Tgt Ion: 45 Resp: 948434

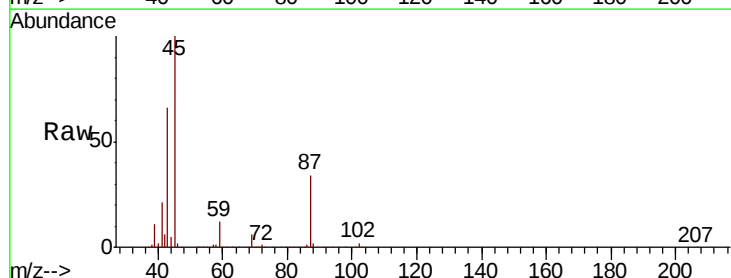
Ion Ratio Lower Upper

45 100

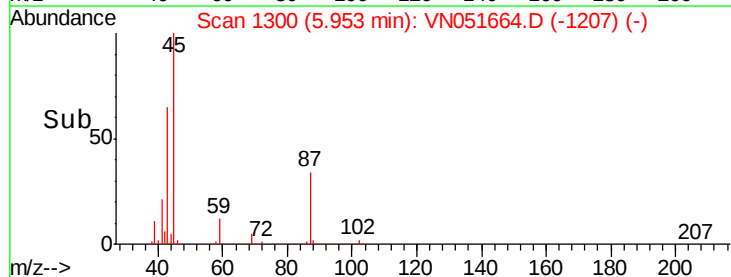
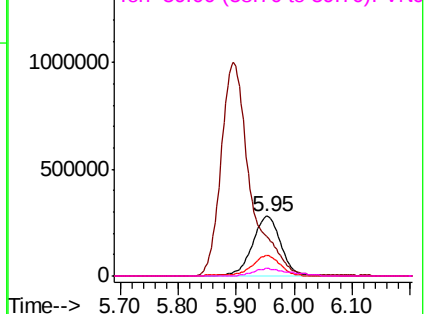
43 65.5 53.0 79.4

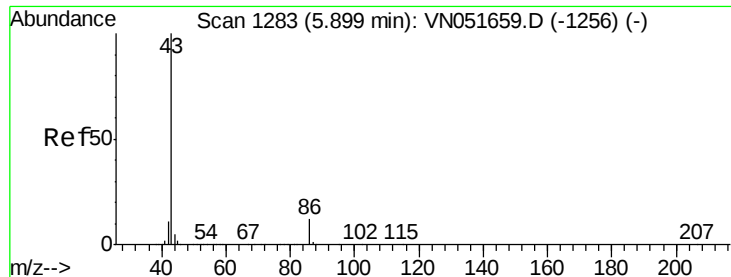
87 34.3 26.4 39.6

59 11.9 10.0 15.0



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 247.257 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

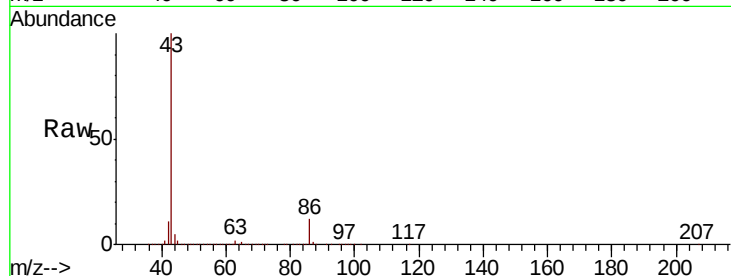
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 3496735

Ion Ratio Lower Upper

43 100

86 12.0 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-1256) (-)

Ion 86.00 (85.70 to 86.70): VN051659.D (-1256) (-)

5.90

1200000

1000000

800000

600000

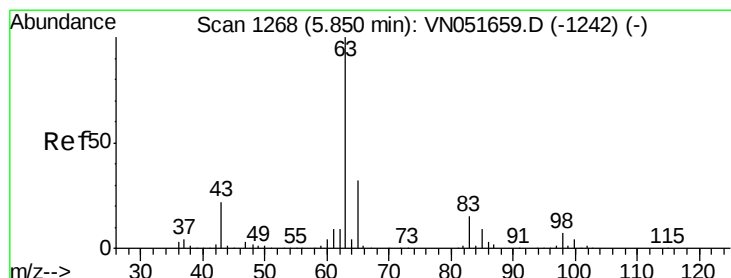
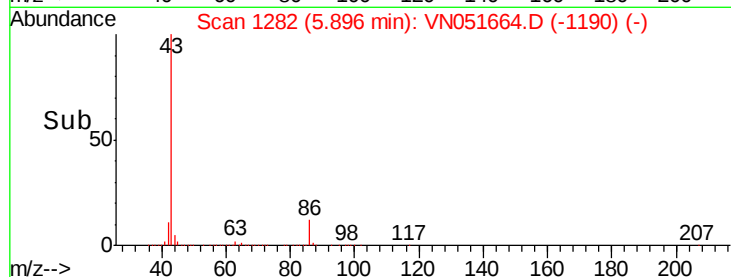
400000

200000

0

Time-->

5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 48.933 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

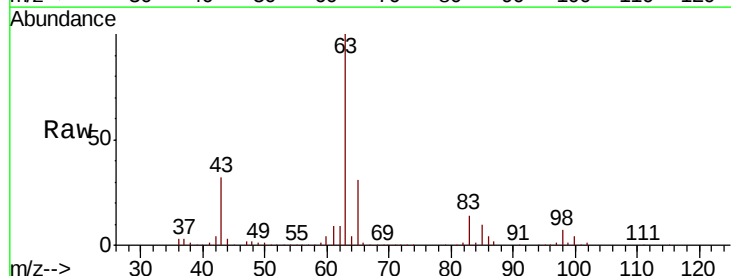
Tgt Ion: 63 Resp: 605286

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.9

100 4.3 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN051659.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN051659.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN051659.D (-1242) (-)

5.85

250000

200000

150000

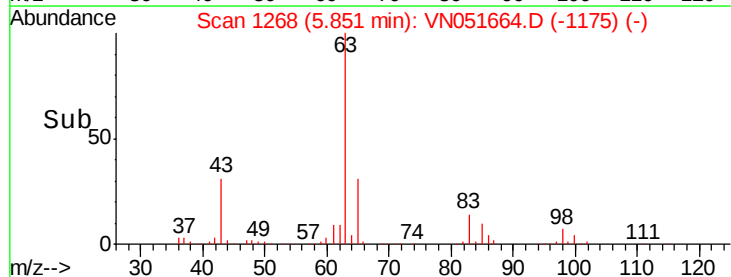
100000

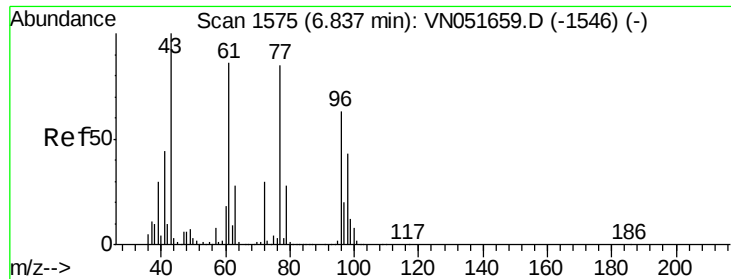
50000

0

Time-->

5.70 5.80 5.90 6.00

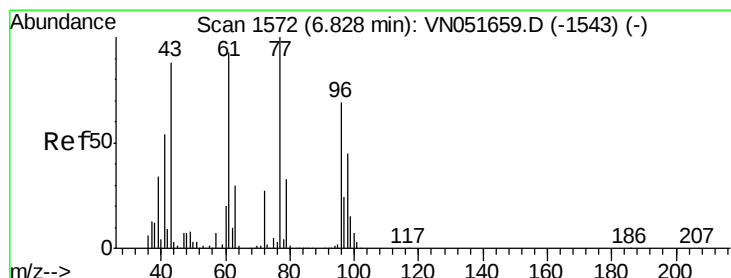
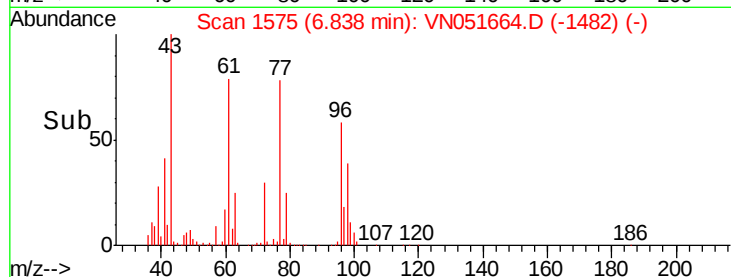
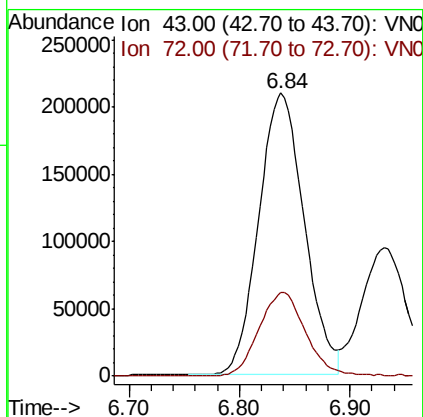
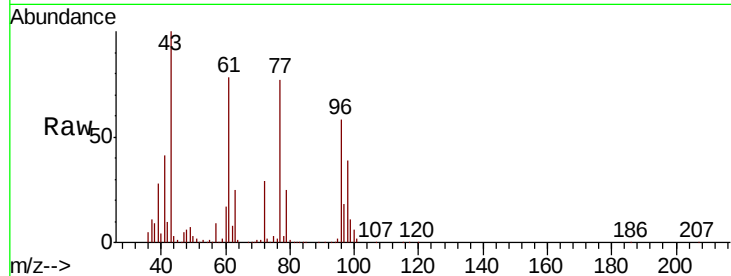




#25
2-Butanone
Concen: 249.487 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN051664.D
Acq: 4 Oct 2018 14:01

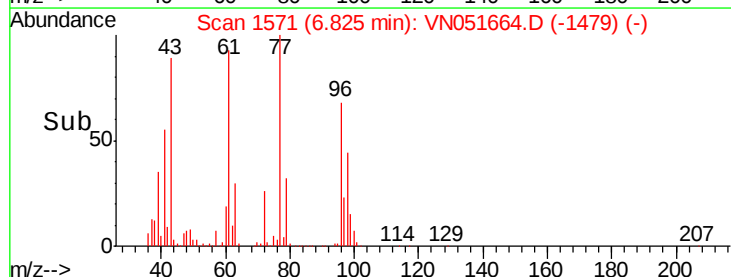
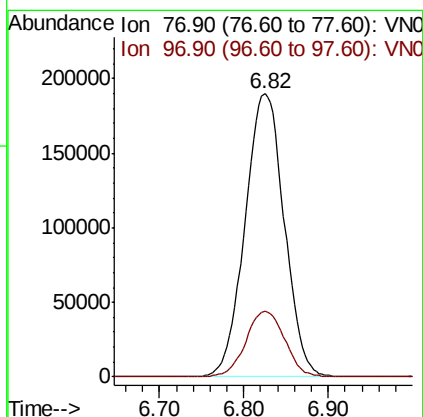
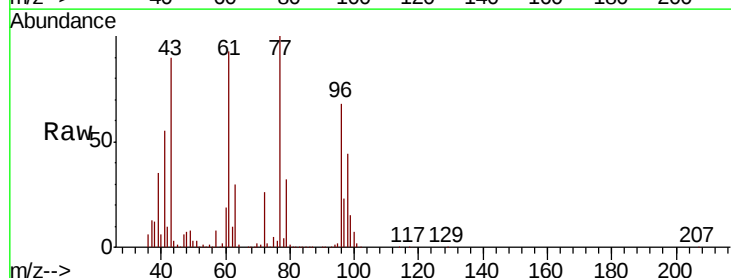
Instrument :
MSVOA_N
ClientSampled :

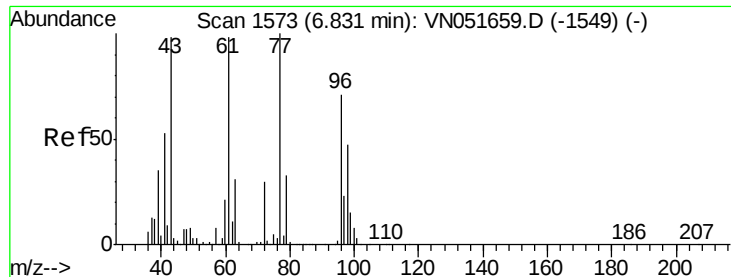
Tot Ion: 43 Resp: 601204
Ion Ratio Lower Upper
43 100
72 29.6 24.2 36.2



#26
2,2-Dichloropropane
Concen: 49.530 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN051664.D
Acq: 4 Oct 2018 14:01

Tgt Ion: 77 Resp: 613976
Ion Ratio Lower Upper
77 100
97 22.8 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 47.432 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

Instrument :
MSVOA_N
ClientSampleId :

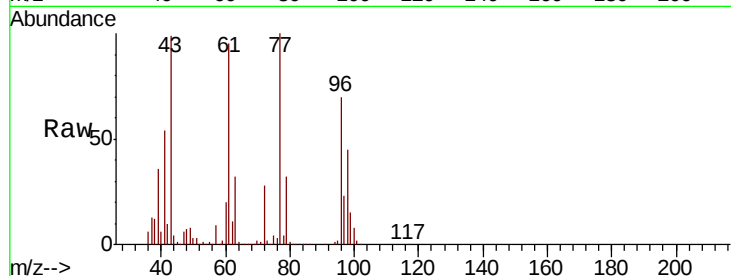
Tot Ion: 96 Resp: 383850

Ion Ratio Lower Upper

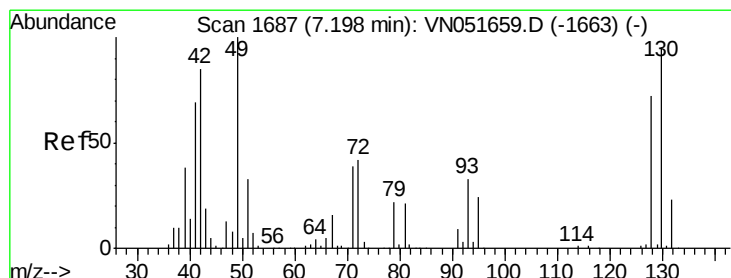
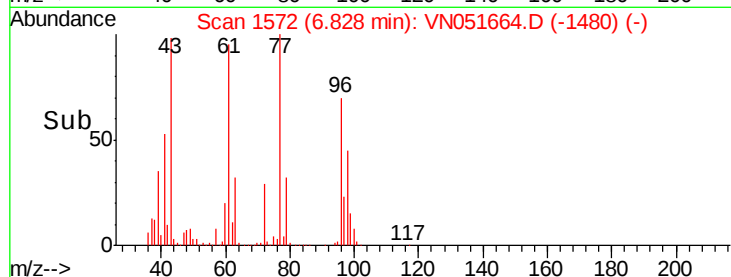
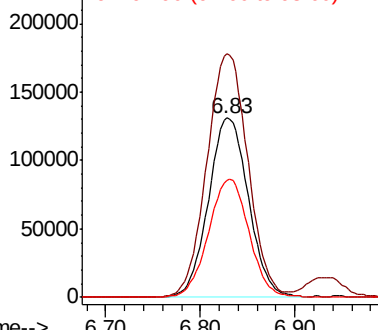
96 100

61 139.9 0.0 275.4

98 66.6 0.0 129.6



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



#28

Bromochloromethane

Concen: 49.358 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

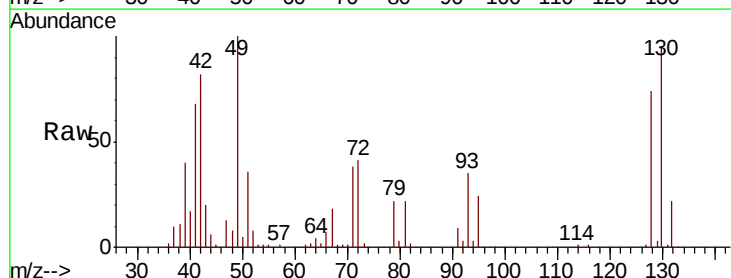
Tgt Ion: 49 Resp: 270297

Ion Ratio Lower Upper

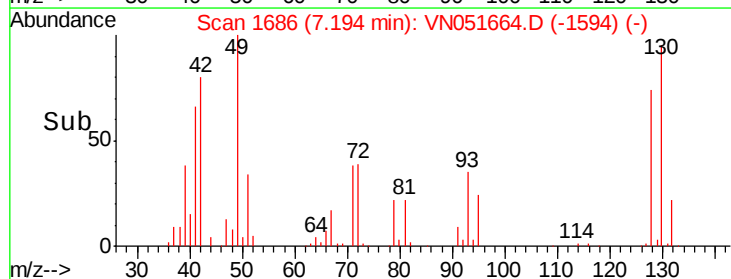
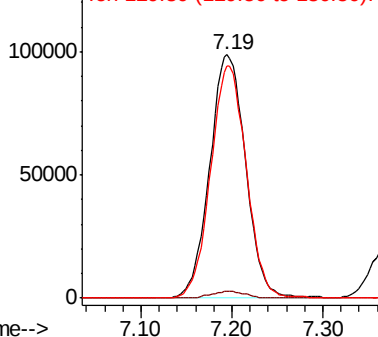
49 100

129 2.7 0.0 4.8

130 94.4 75.7 113.5



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

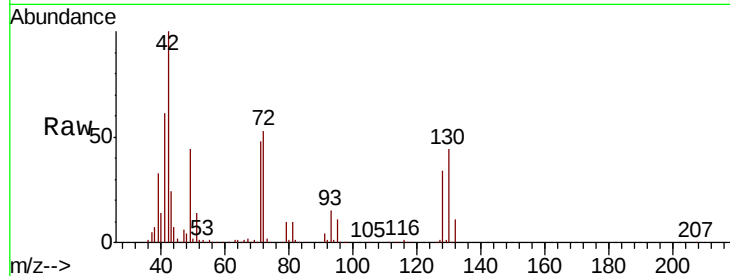




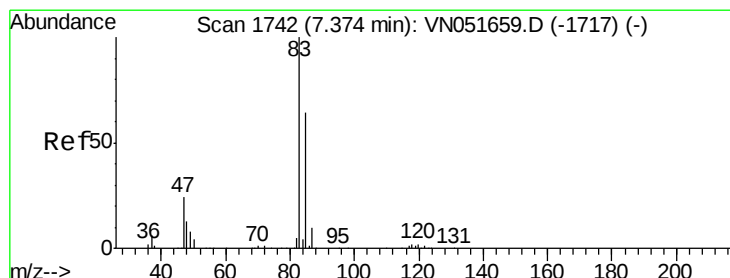
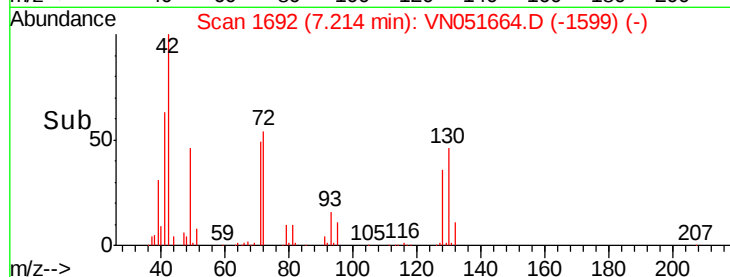
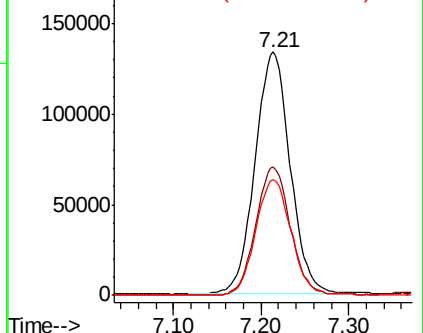
#29
Tetrahydrofuran
Concen: 251.991 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN051664.D
Acq: 4 Oct 2018 14:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 372641
Ion Ratio Lower Upper
42 100
72 52.0 40.1 60.1
71 48.3 38.0 57.0

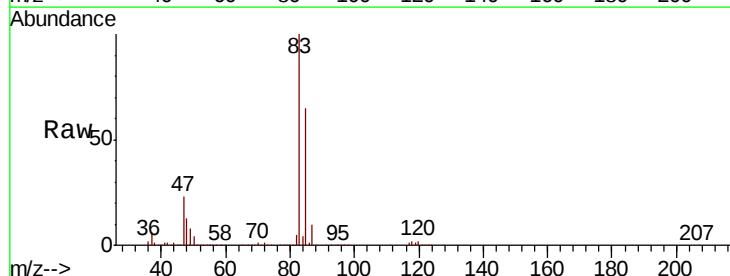


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

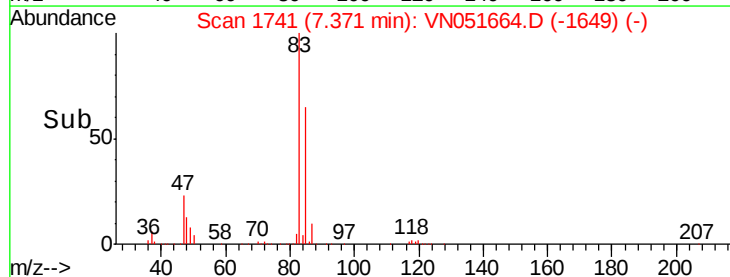
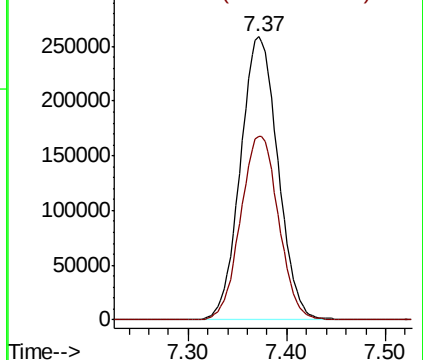


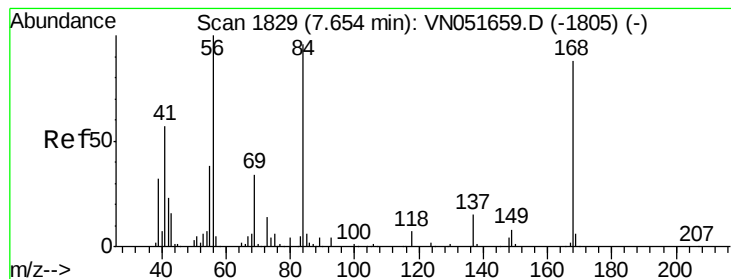
#30
Chloroform
Concen: 48.859 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051664.D
Acq: 4 Oct 2018 14:01

Tgt Ion: 83 Resp: 679049
Ion Ratio Lower Upper
83 100
85 64.9 51.6 77.4



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





#31

Cyclohexane

Concen: 48.725 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

Instrument :

MSVOA_N

ClientSampled :

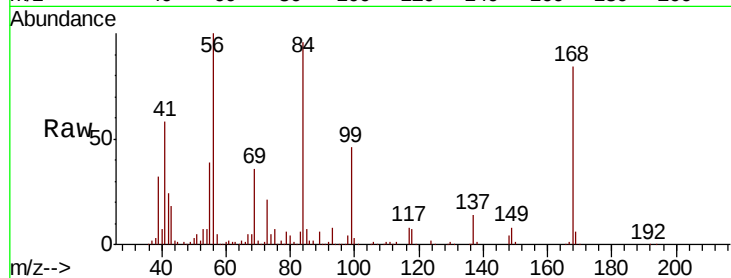
Tot Ion: 56 Resp: 551981

Ion Ratio Lower Upper

56 100

69 35.7 27.5 41.3

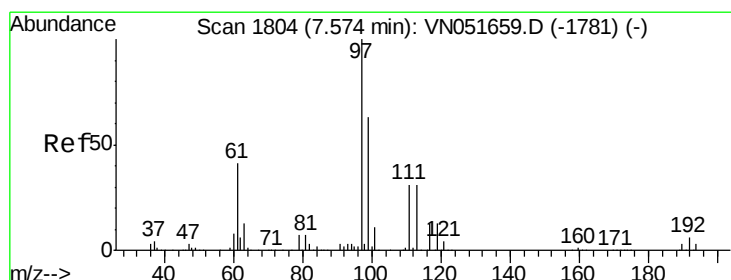
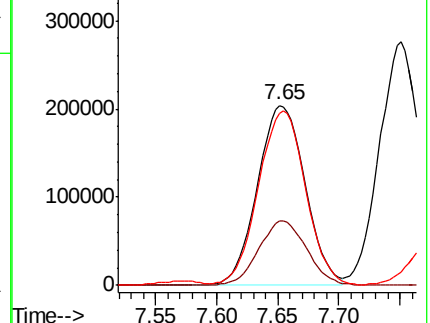
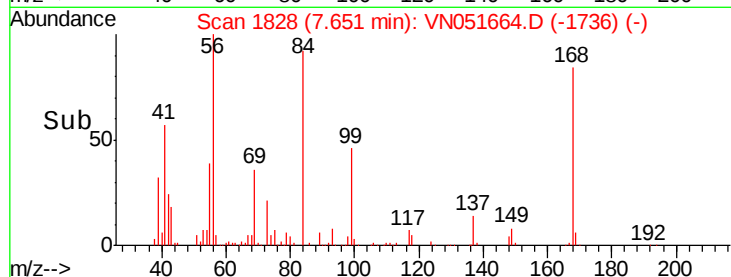
84 94.0 76.7 115.1



Abundance Ion 56.00 (55.70 to 56.70): VN051664.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN051664.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN051664.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 48.650 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

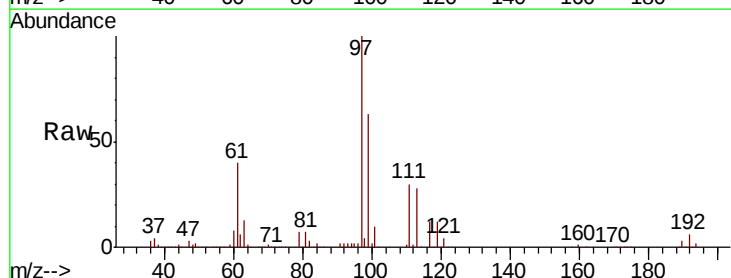
Tgt Ion: 97 Resp: 655373

Ion Ratio Lower Upper

97 100

99 64.1 51.9 77.9

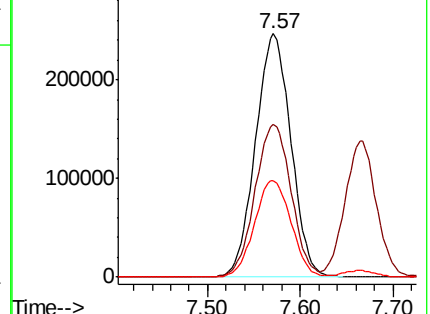
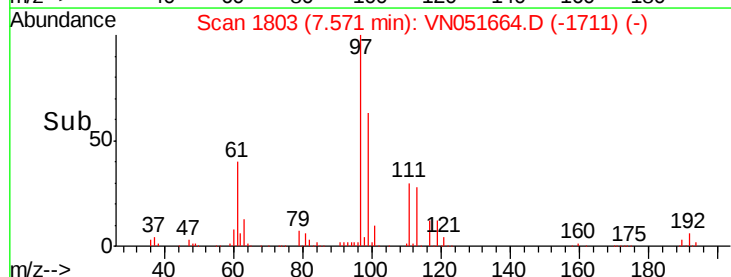
61 41.0 33.4 50.0

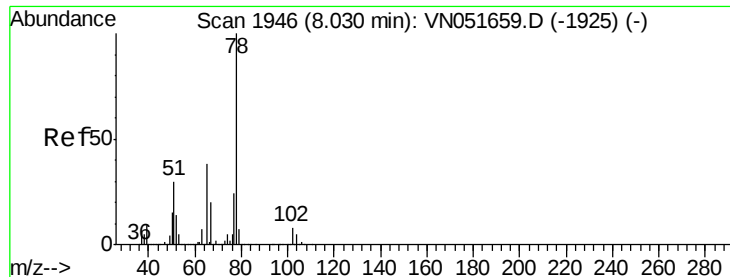


Abundance Ion 96.90 (96.60 to 97.60): VN051664.D (-1711) (-)

Ion 98.90 (98.60 to 99.60): VN051664.D (-1711) (-)

Ion 60.90 (60.60 to 61.60): VN051664.D (-1711) (-)





#33

1,2-Dichloroethane-d4

Concen: 48.650 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

Instrument :

MSVOA_N

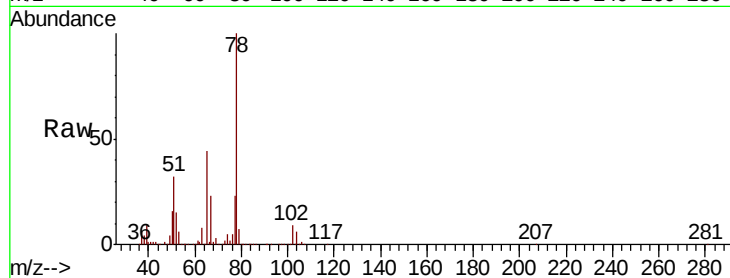
ClientSampleId :

Tot Ion: 65 Resp: 422682

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VN051659.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN051659.D (-1925) (-)

8.03

200000

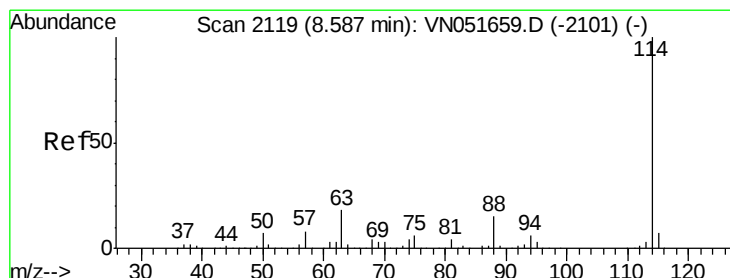
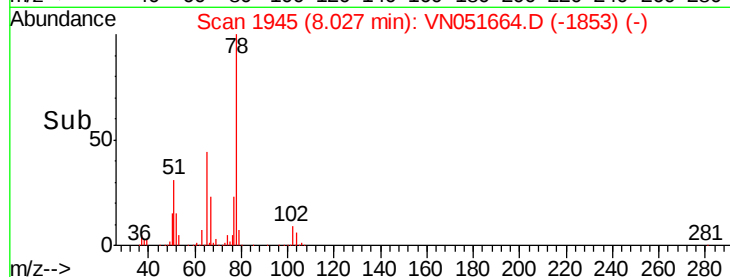
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

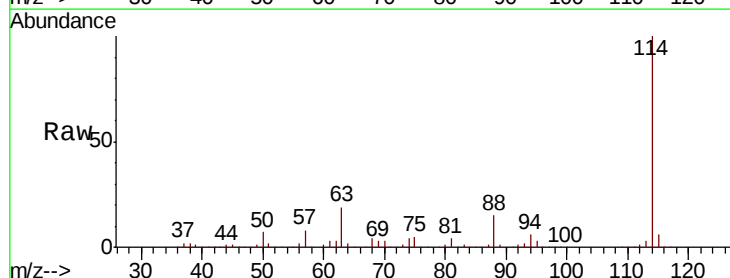
Tgt Ion: 114 Resp: 959969

Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.2

88 15.1 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN051659.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN051659.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN051659.D (-2101) (-)

8.58

600000

500000

400000

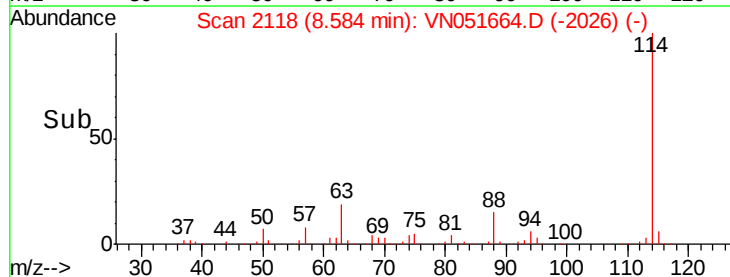
300000

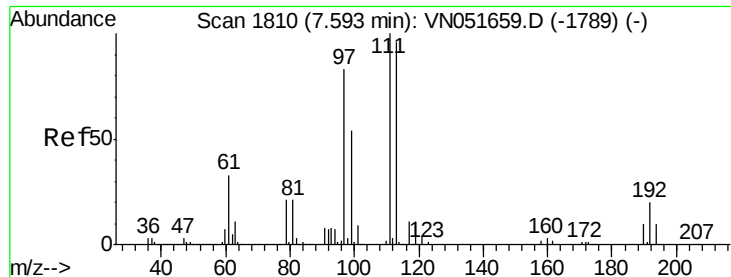
200000

100000

0

Time-->

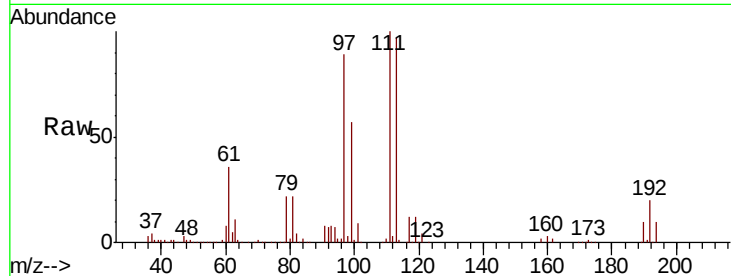




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051664.D
 Acq: 4 Oct 2018 14:01

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.8
192	20.7	16.5	24.7

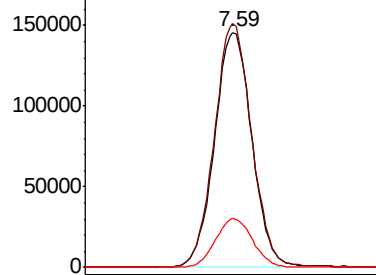


Abundance

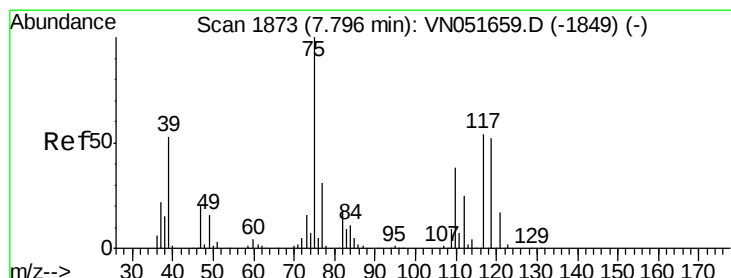
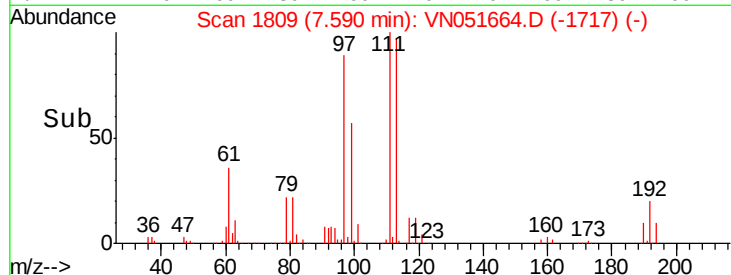
Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

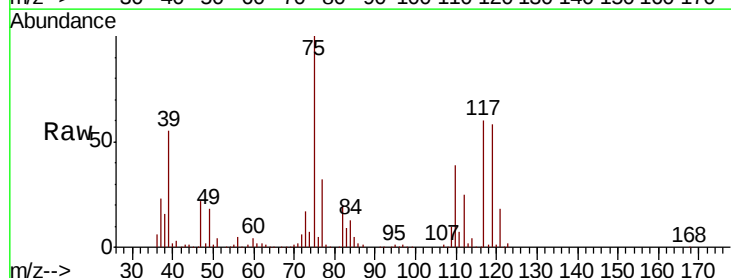


Time-->



#36
 1,1-Dichloropropene
 Concen: 49.730 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051664.D
 Acq: 4 Oct 2018 14:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.5	19.3	57.8
77	31.7	24.7	37.1

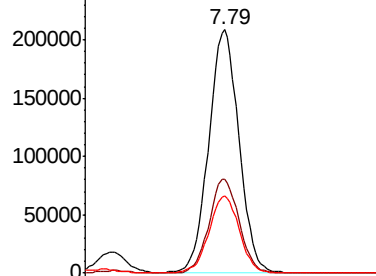


Abundance

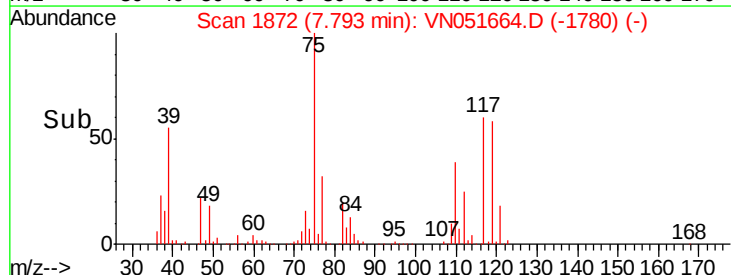
Ion 74.90 (74.60 to 75.60): V

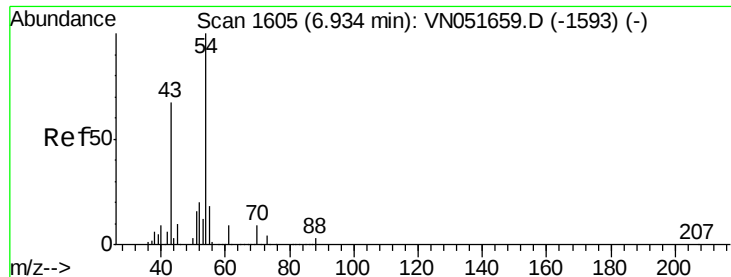
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



Time-->

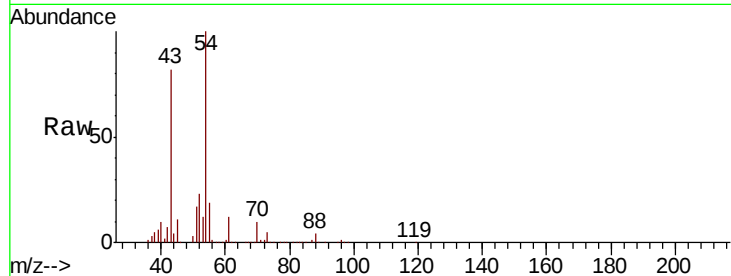




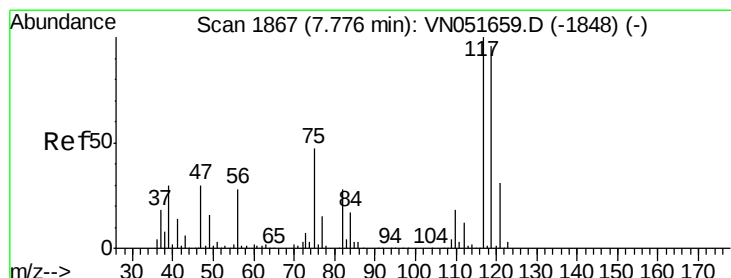
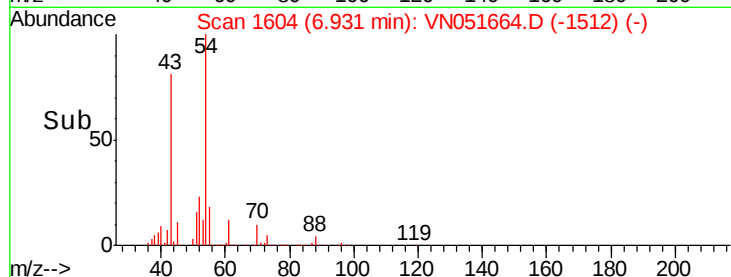
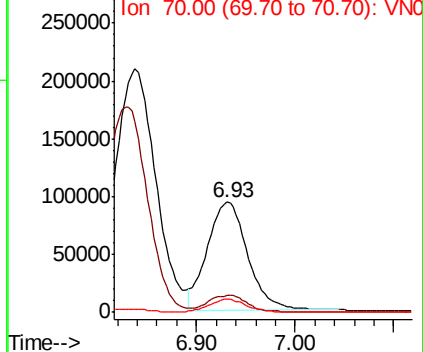
#37
Ethyl Acetate
Concen: 51.408 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051664.D
Acq: 4 Oct 2018 14:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 269033
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.6
70 10.9 8.7 13.1

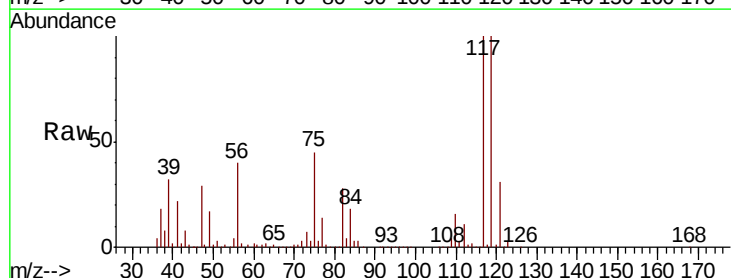


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

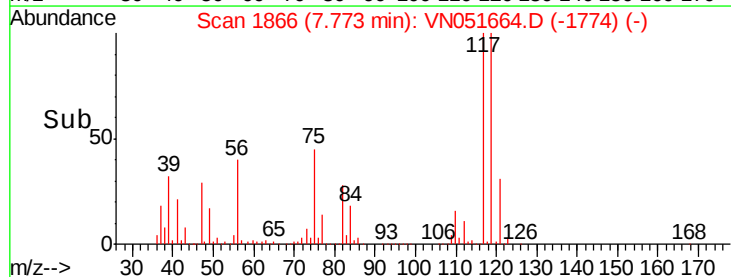
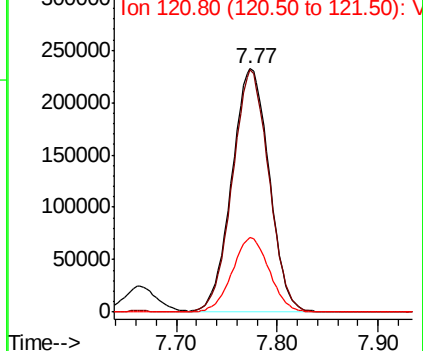


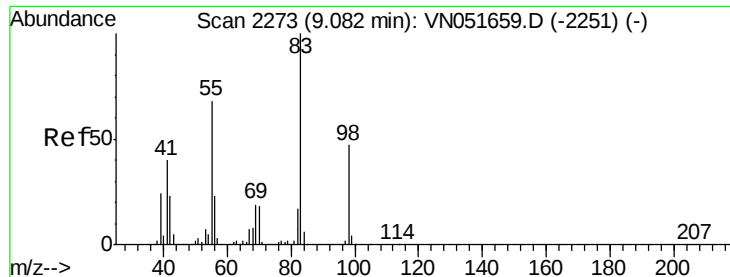
#38
Carbon Tetrachloride
Concen: 49.537 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051664.D
Acq: 4 Oct 2018 14:01

Tgt Ion: 117 Resp: 596435
Ion Ratio Lower Upper
117 100
119 99.6 77.0 115.6
121 30.6 25.0 37.6



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

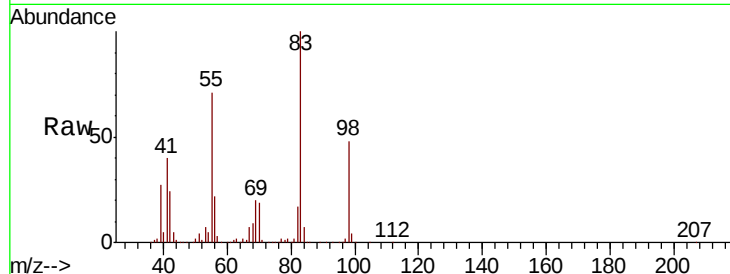




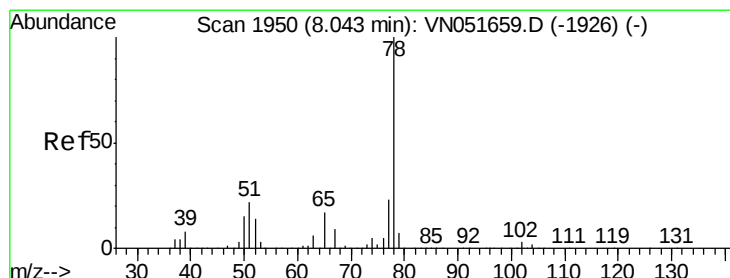
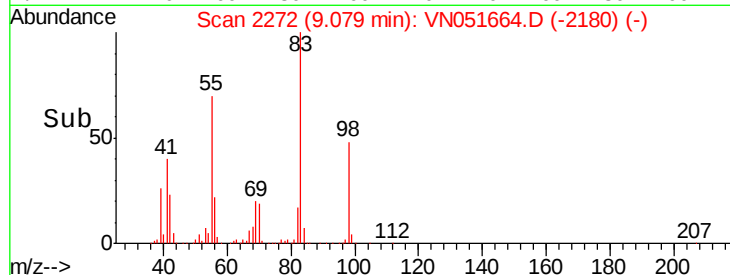
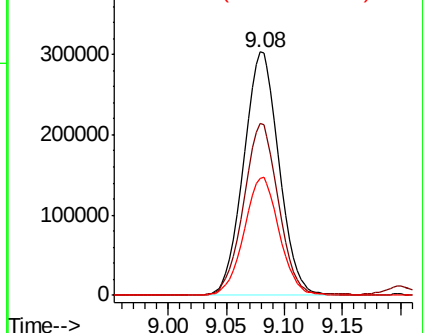
#39
Methvlcvclohexane
Concen: 51.030 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051664.D
Acq: 4 Oct 2018 14:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 642743
Ion Ratio Lower Upper
83 100
55 70.4 54.3 81.5
98 48.2 37.4 56.2

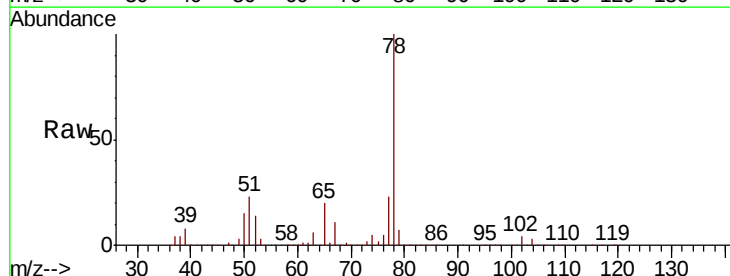


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

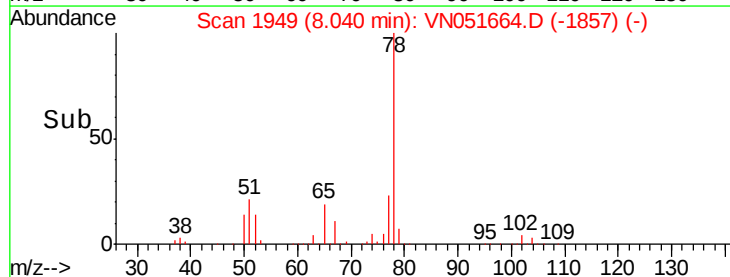
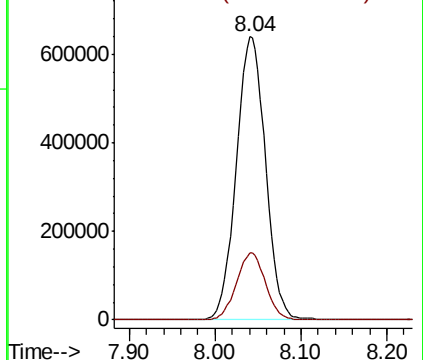


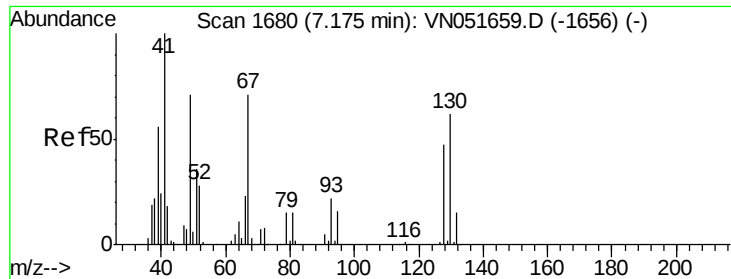
#40
Benzene
Concen: 50.604 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051664.D
Acq: 4 Oct 2018 14:01

Tgt Ion: 78 Resp: 1505237
Ion Ratio Lower Upper
78 100
77 23.4 18.5 27.7



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

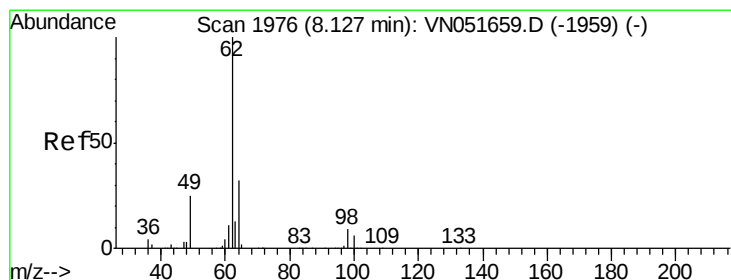
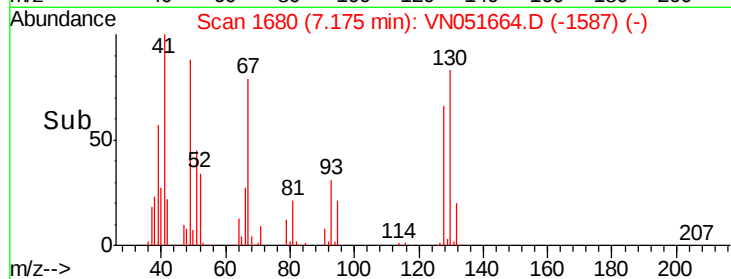
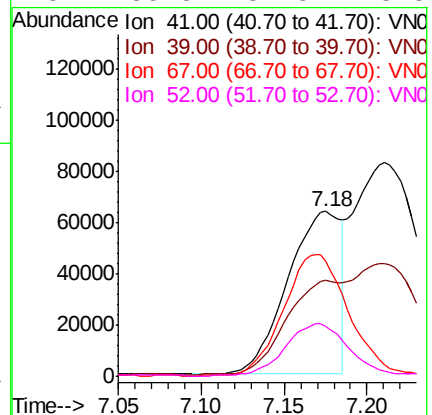
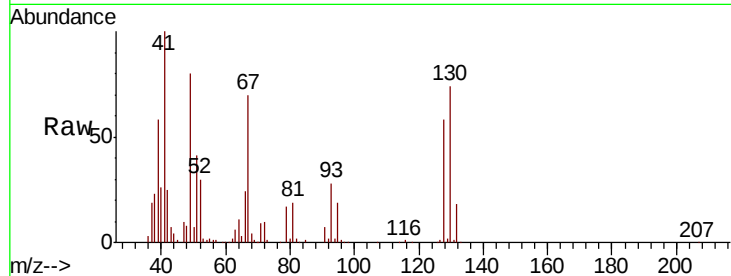




#41
Methacrylonitrile
Concen: 52.592 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051664.D
Acq: 4 Oct 2018 14:01

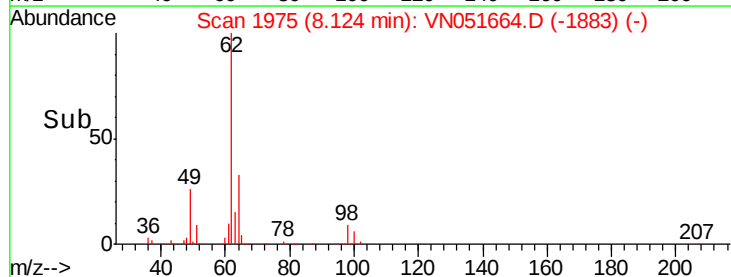
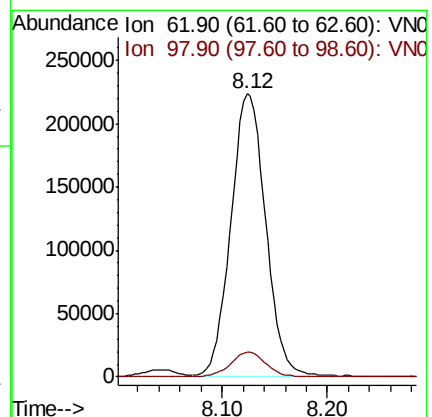
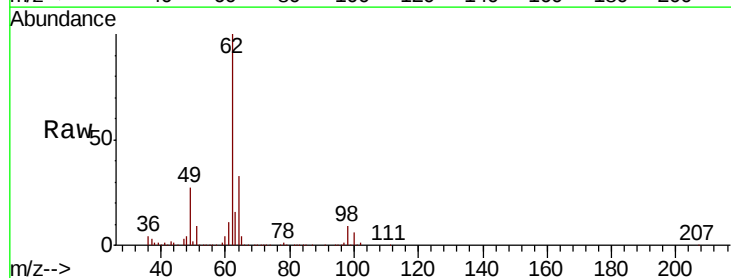
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	141765
Ion	Ratio	Lower	Upper
41	100		
39	58.2	53.9	80.9
67	91.0	78.1	117.1
52	38.3	32.3	48.5



#42
1,2-Dichloroethane
Concen: 50.545 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051664.D
Acq: 4 Oct 2018 14:01

Tgt Ion:	62	Resp:	506689
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.4





#43

Isopropyl Acetate

Concen: 51.175 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

Instrument :

MSVOA_N

ClientSampleId :

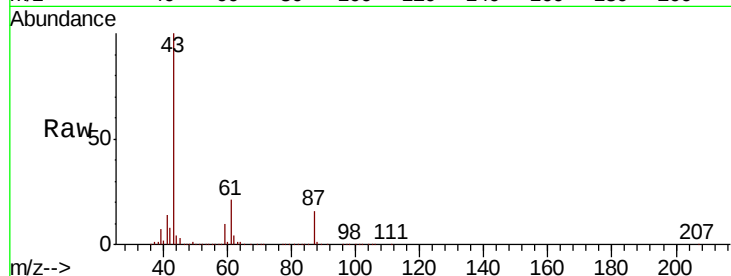
Tot Ion: 43 Resp: 558369

Ion Ratio Lower Upper

43 100

61 29.3 15.8 23.6#

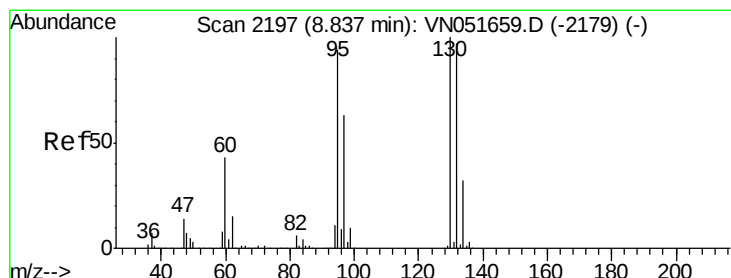
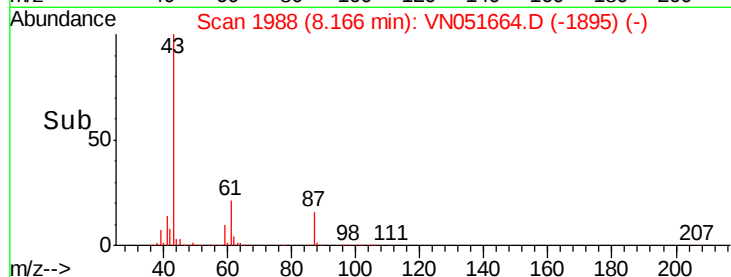
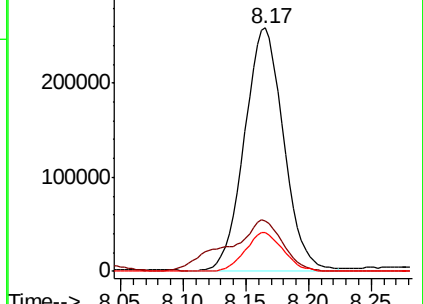
87 15.7 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN051659.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN051659.D (-1970) (-)



#44

Trichloroethene

Concen: 49.828 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN051664.D

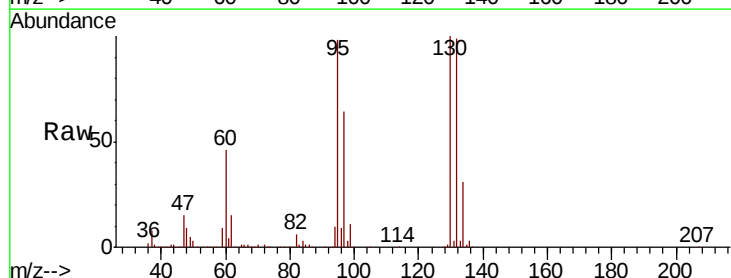
Acq: 4 Oct 2018 14:01

Tgt Ion:130 Resp: 420846

Ion Ratio Lower Upper

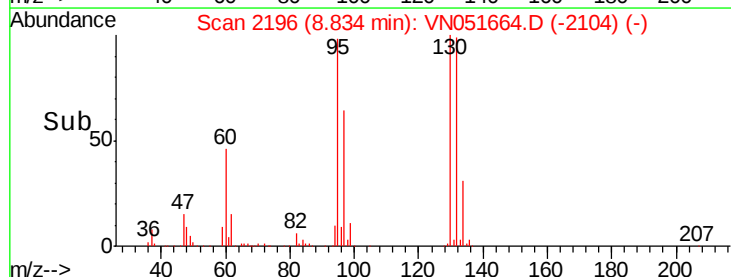
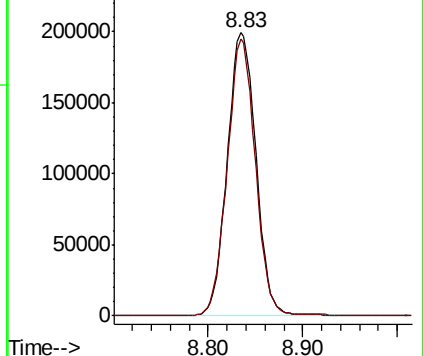
130 100

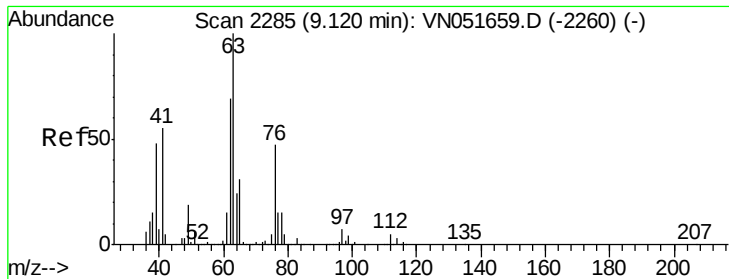
95 97.8 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN051659.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051659.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 49.920 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

Instrument :

MSVOA_N

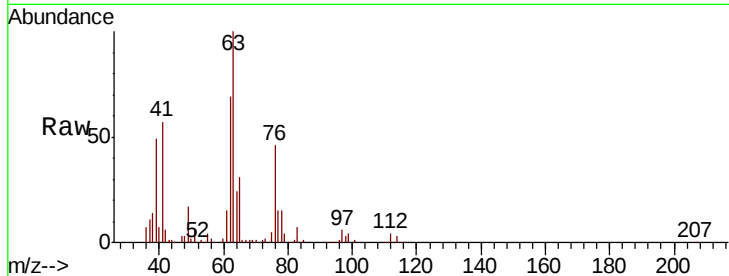
ClientSampled :

Tot Ion: 63 Resp: 367128

Ion Ratio Lower Upper

63 100

65 31.0 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

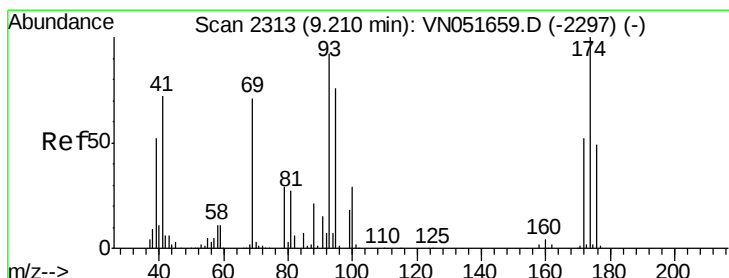
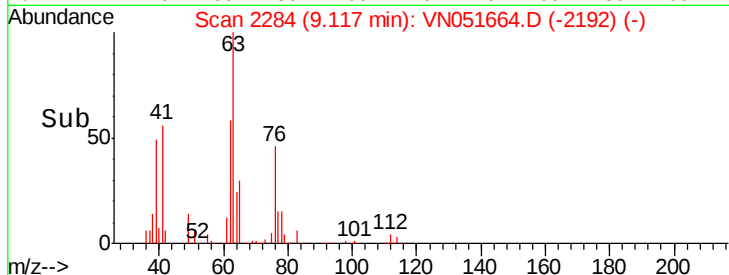
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 50.039 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

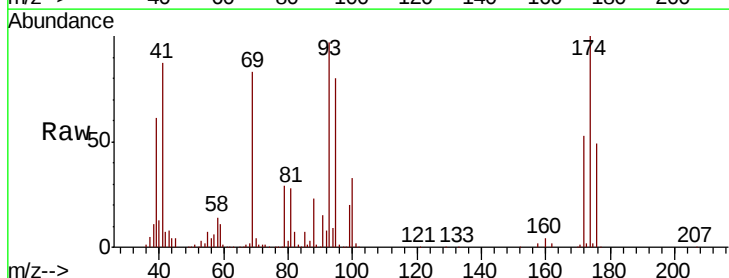
Tgt Ion: 93 Resp: 255790

Ion Ratio Lower Upper

93 100

95 81.6 66.6 100.0

174 103.6 85.9 128.9



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

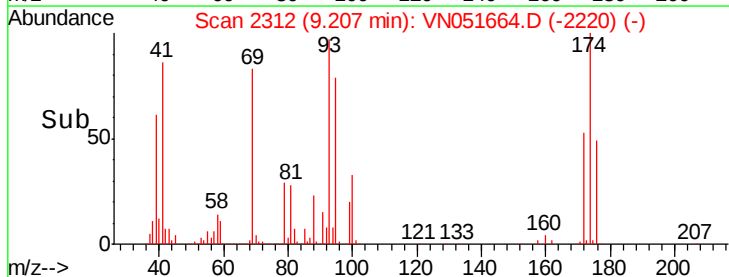
150000

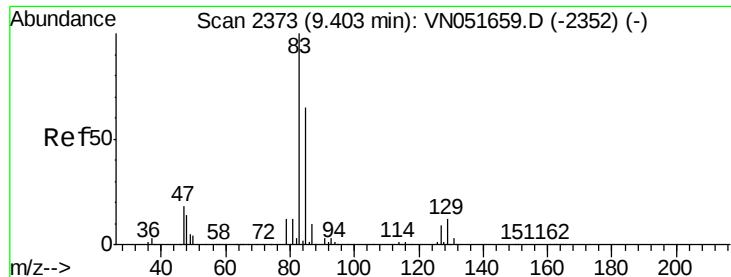
100000

50000

0

Time-->

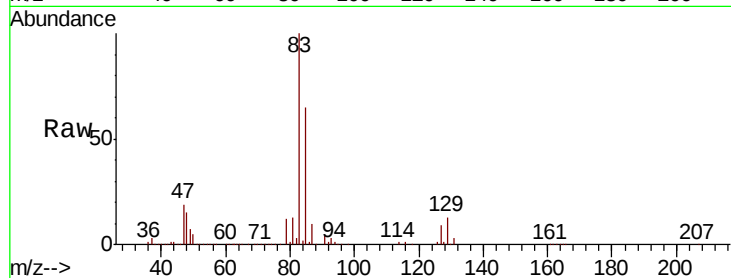




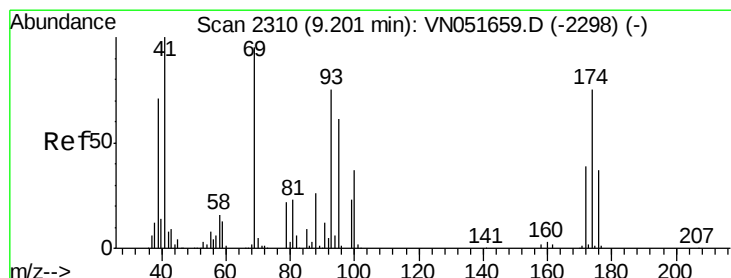
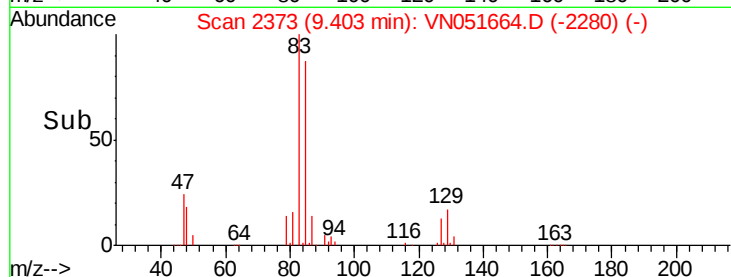
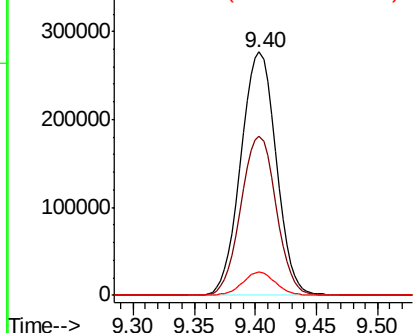
#47
Bromodichloromethane
Concen: 49.102 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051664.D
Acq: 4 Oct 2018 14:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 552541
Ion Ratio Lower Upper
83 100
85 65.3 51.6 77.4
127 9.5 7.3 10.9

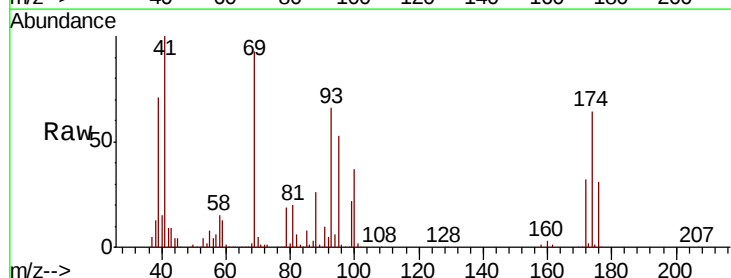


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

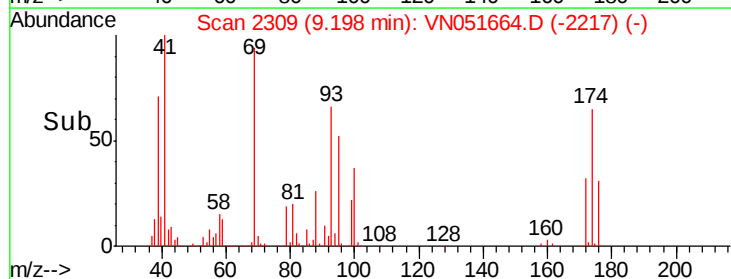
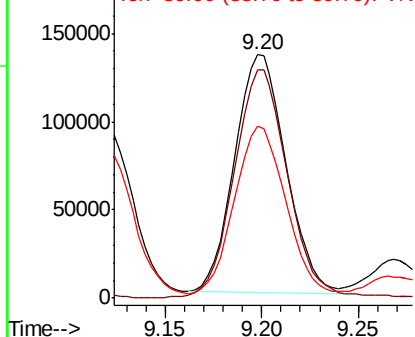


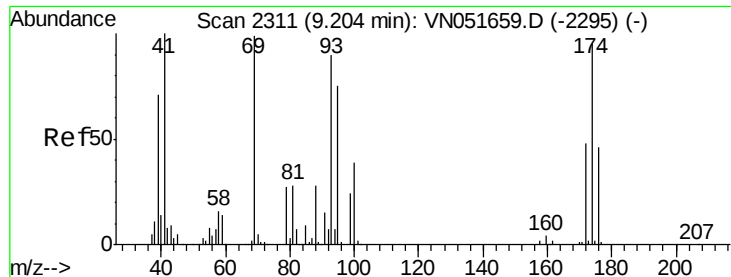
#48
Methyl methacrylate
Concen: 49.744 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN051664.D
Acq: 4 Oct 2018 14:01

Tgt Ion: 41 Resp: 248010
Ion Ratio Lower Upper
41 100
69 99.5 78.6 118.0
39 73.4 59.2 88.8



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

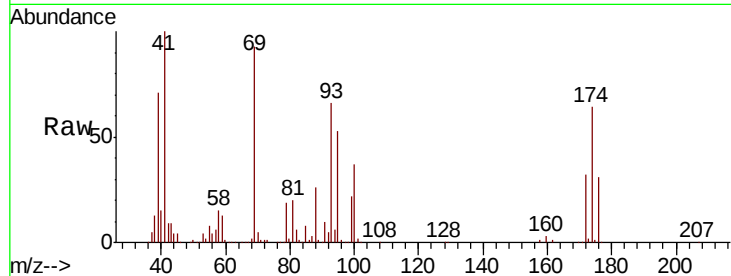




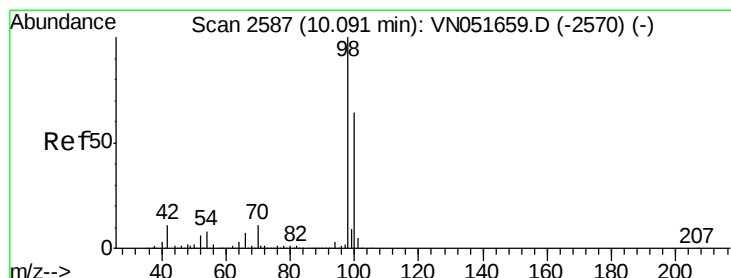
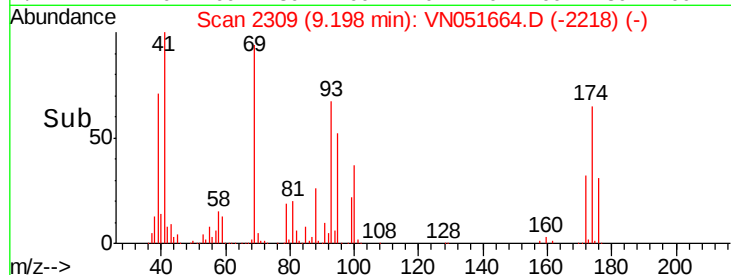
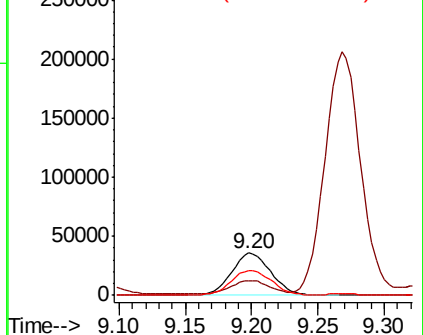
#49
1,4-Dioxane
Concen: 982.010 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.01 min
Lab File: VN051664.D
Acq: 4 Oct 2018 14:01

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 73414
Ion Ratio Lower Upper
88 100
43 30.7 24.5 36.7
58 61.0 47.6 71.4

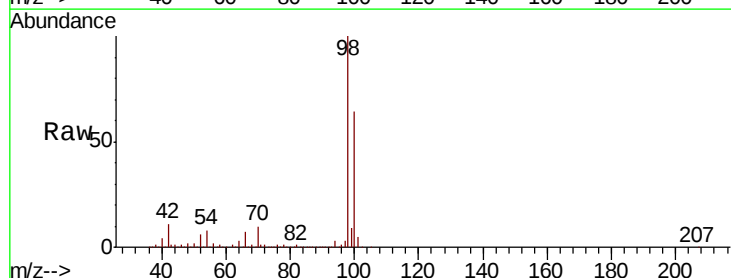


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

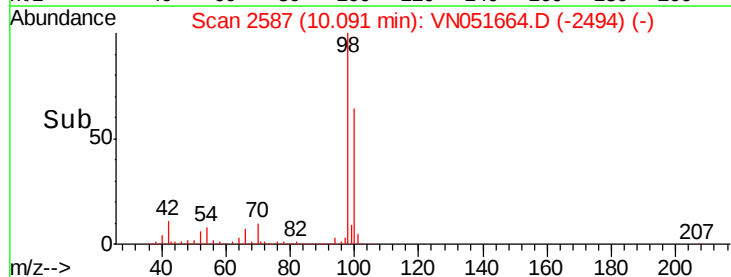
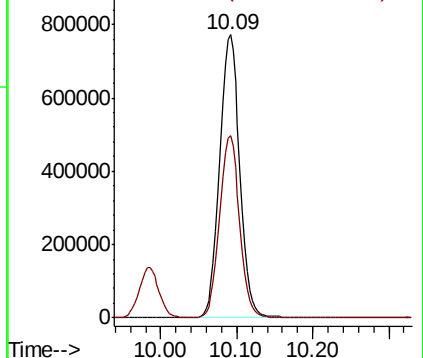


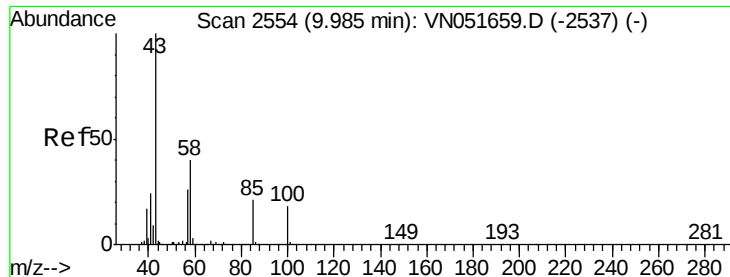
#50
Toluene-d8
Concen: 982.010 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051664.D
Acq: 4 Oct 2018 14:01

Tgt Ion: 98 Resp: 1419551
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 257.006 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

Instrument :

MSVOA_N

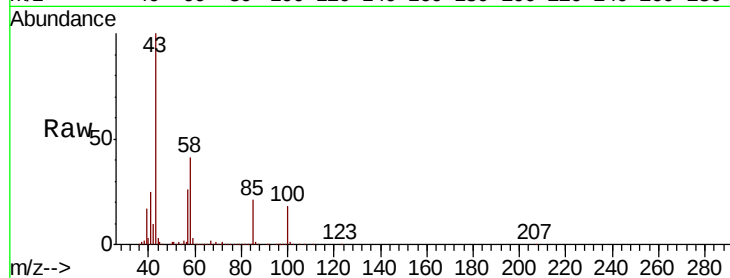
ClientSampled :

Tot Ion: 43 Resp: 1420949

Ion Ratio Lower Upper

43 100

58 40.1 32.2 48.2



Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN051659.D (-2537) (-)

9.99

800000

600000

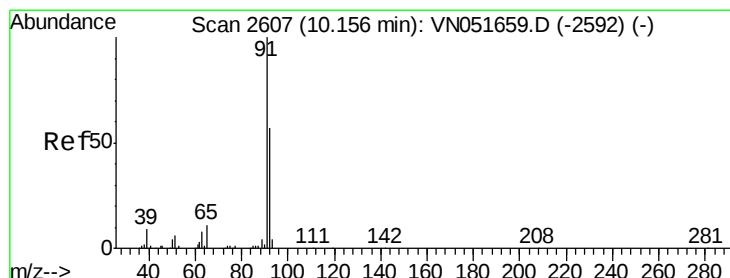
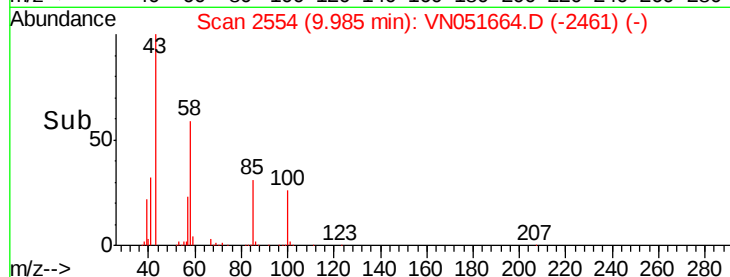
400000

200000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 52.046 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051664.D

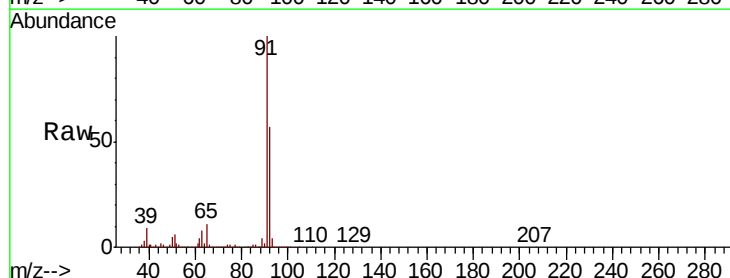
Acq: 4 Oct 2018 14:01

Tgt Ion: 92 Resp: 1029674

Ion Ratio Lower Upper

92 100

91 173.9 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN051659.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN051659.D (-2592) (-)

10.16

1000000

800000

600000

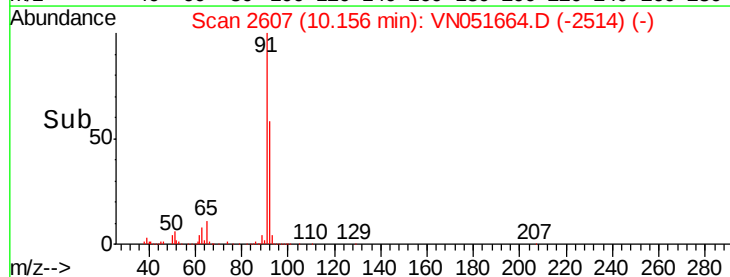
400000

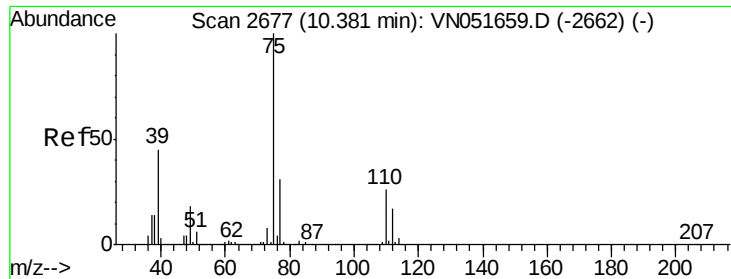
200000

0

10.10 10.20 10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.358 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

Instrument :

MSVOA_N

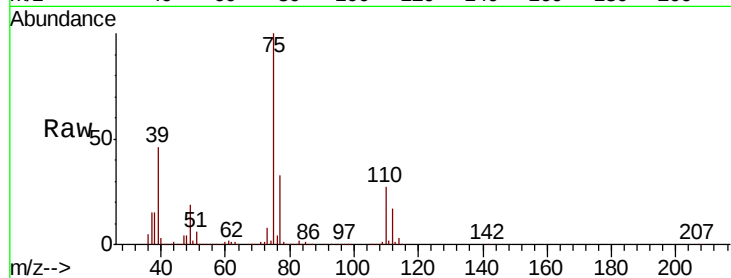
ClientSampleId :

Tot Ion: 75 Resp: 596346

Ion Ratio Lower Upper

75 100

77 32.8 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

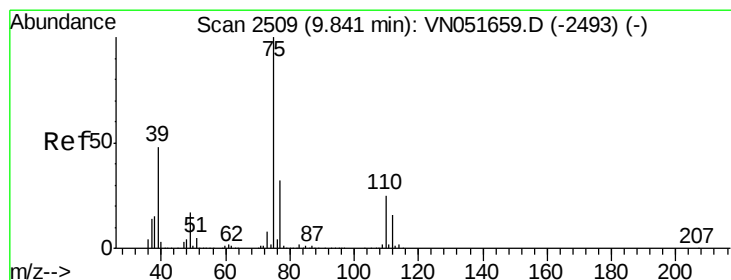
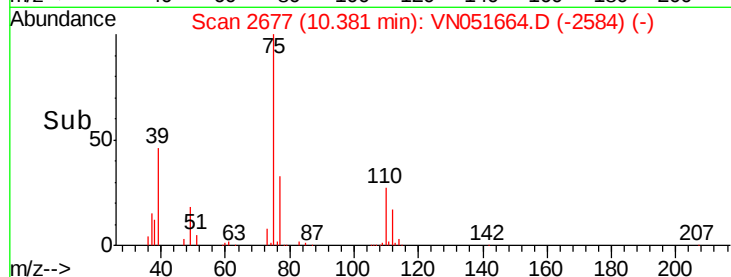
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.857 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

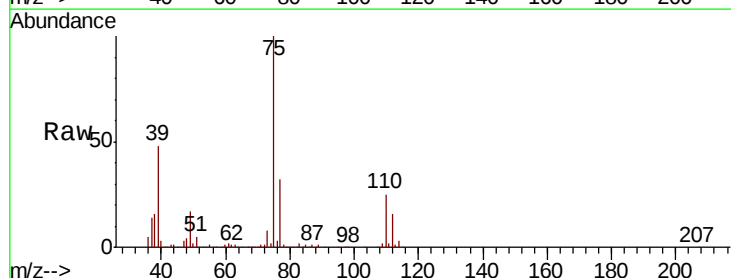
Tgt Ion: 75 Resp: 614751

Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5

39 48.0 38.1 57.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

400000

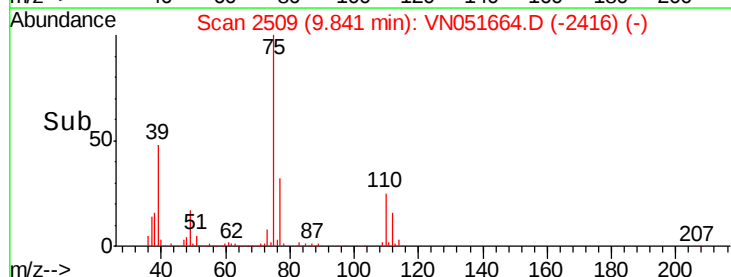
300000

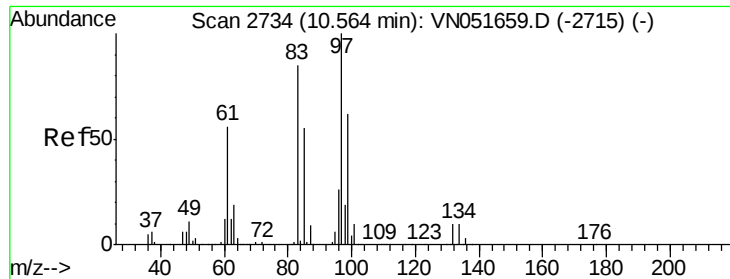
200000

100000

0

Time-->

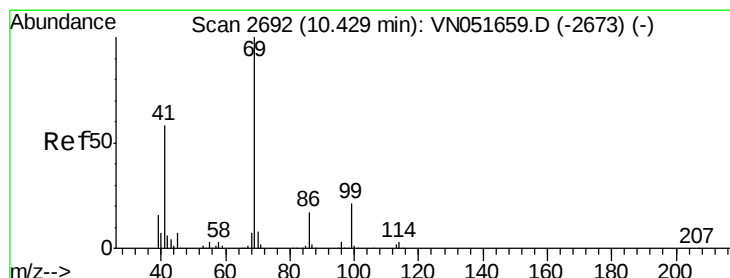
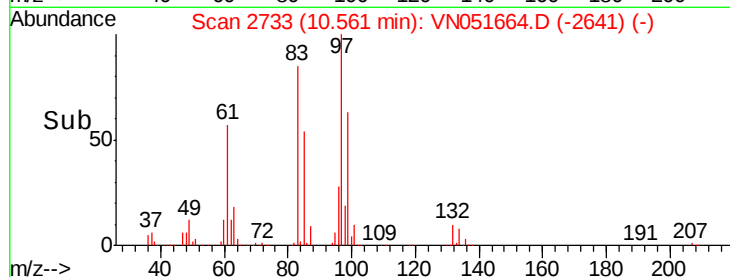
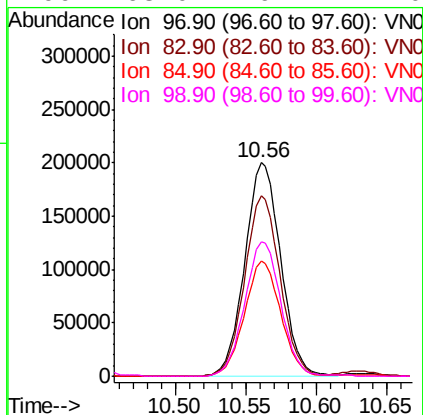
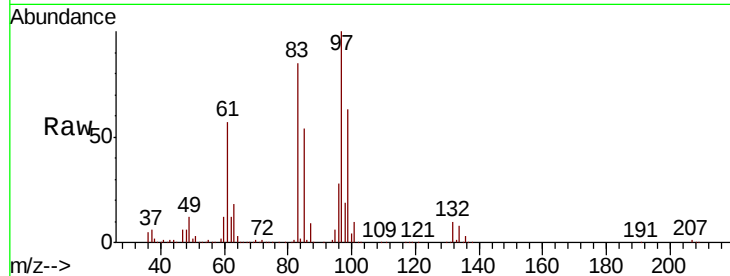




#55
 1,1,2-Trichloroethane
 Concen: 50.488 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051664.D
 Acq: 4 Oct 2018 14:01

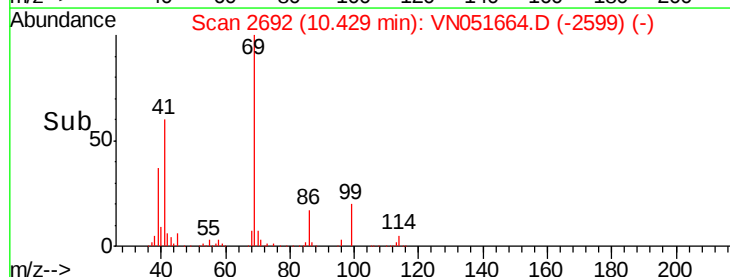
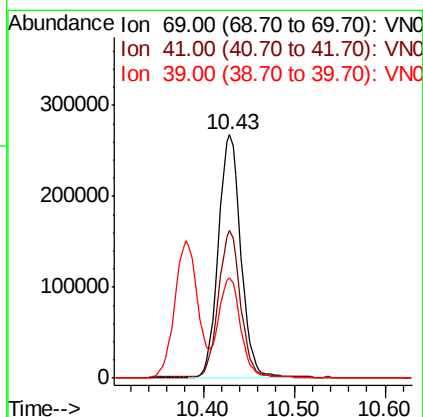
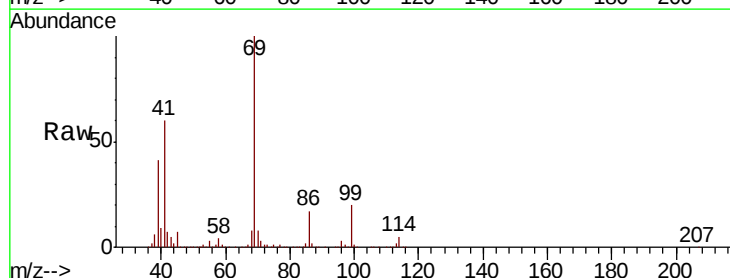
Instrument :
 MSVOA_N
 ClientSampleId :

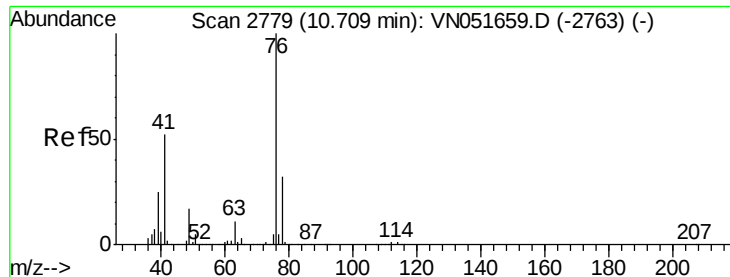
Tot Ion:	97	Resp:	355826
Ion	Ratio	Lower	Upper
97	100		
83	84.5	68.1	102.1
85	53.8	43.6	65.4
99	63.0	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 51.544 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051664.D
 Acq: 4 Oct 2018 14:01

Tgt Ion:	69	Resp:	459394
Ion	Ratio	Lower	Upper
69	100		
41	58.9	46.4	69.6
39	40.4	32.4	48.6





#57

1,3-Dichloropropane

Concen: 50.943 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

Instrument :

MSVOA_N

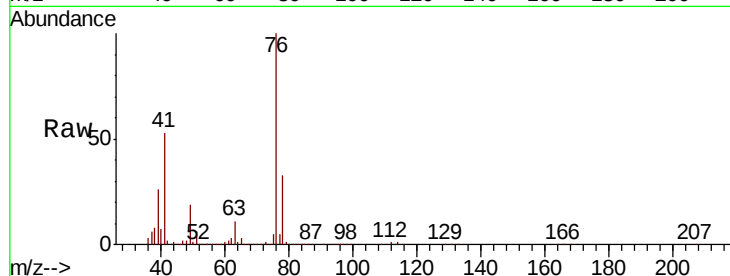
ClientSampleId :

Tot Ion: 76 Resp: 568240

Ion Ratio Lower Upper

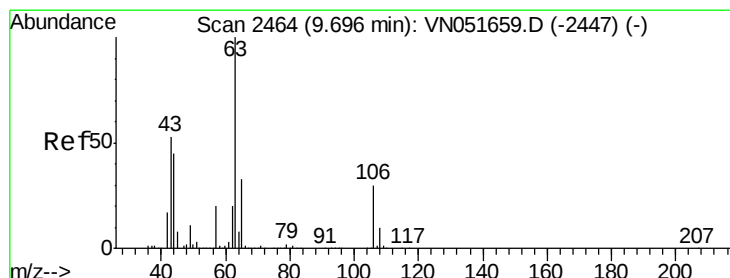
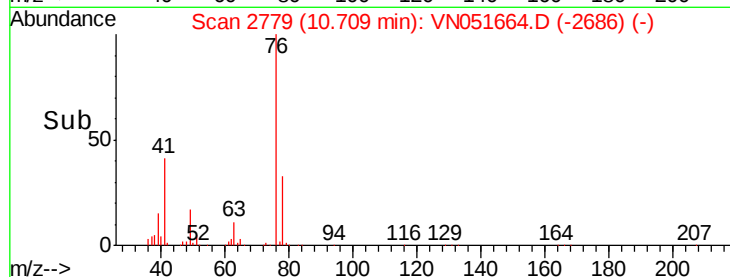
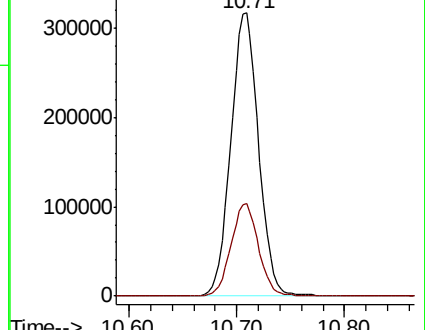
76 100

78 32.5 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN051659.D (-2763) (-)

Ion 77.90 (77.60 to 78.60): VN051659.D (-2763) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 257.874 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN051664.D

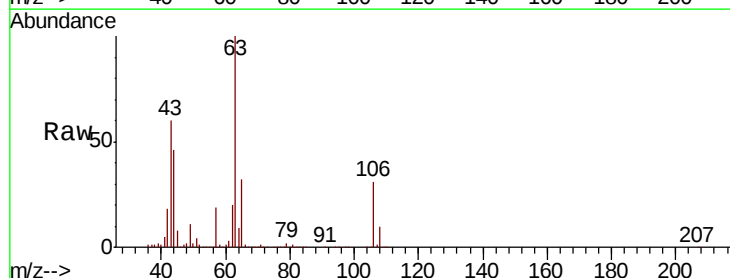
Acq: 4 Oct 2018 14:01

Tgt Ion: 63 Resp: 951200

Ion Ratio Lower Upper

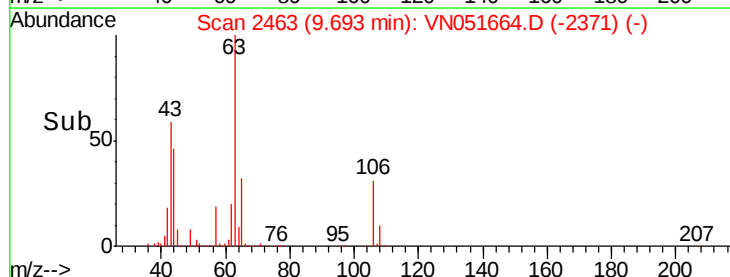
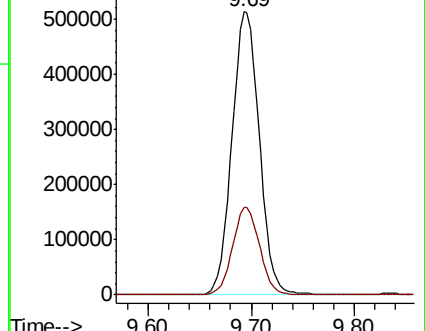
63 100

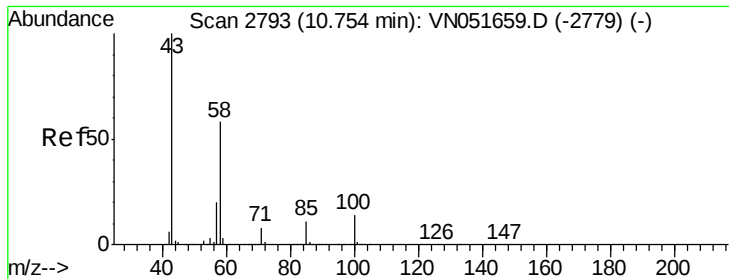
106 30.7 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN051659.D (-2447) (-)

Ion 105.90 (105.60 to 106.60): VN051659.D (-2447) (-)

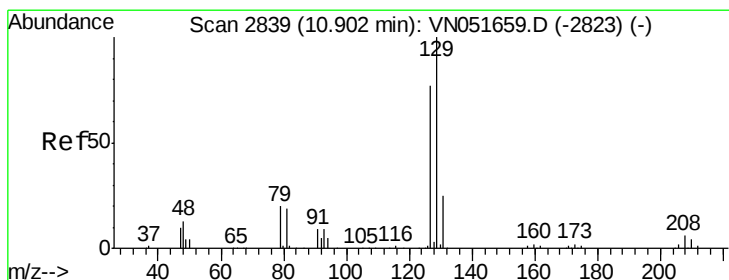
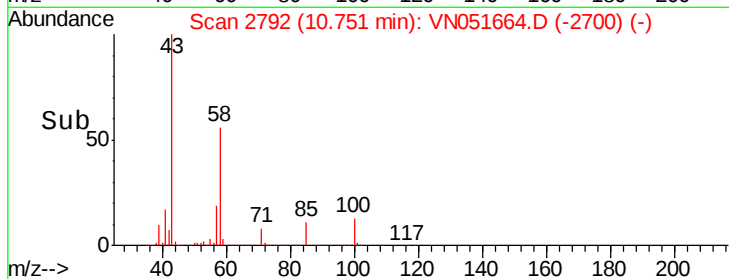
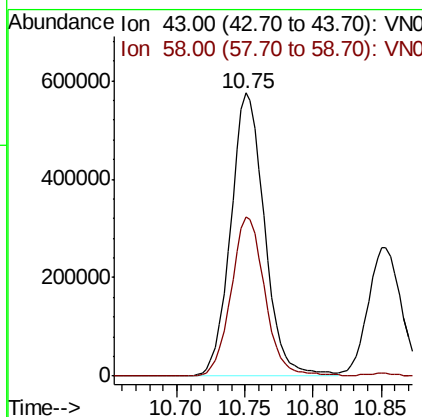
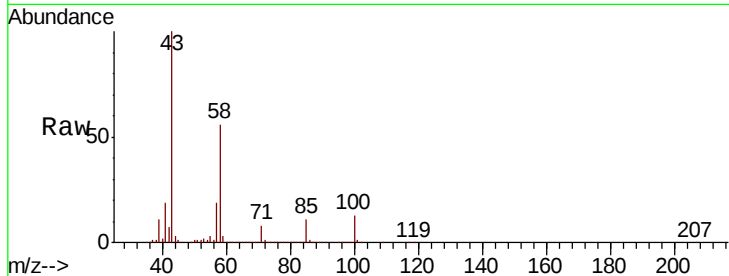




#59
2-Hexanone
Concen: 262.203 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051664.D
Acq: 4 Oct 2018 14:01

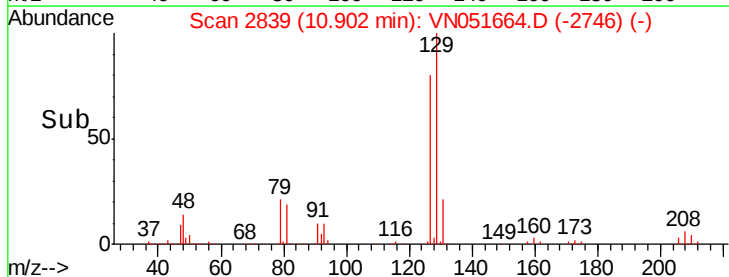
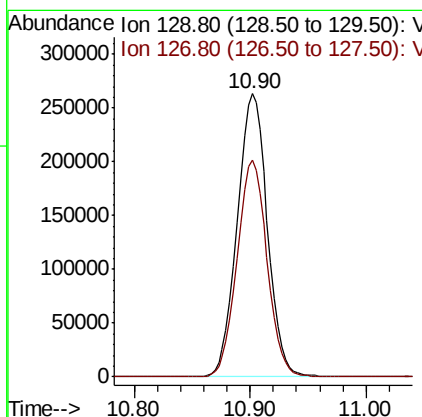
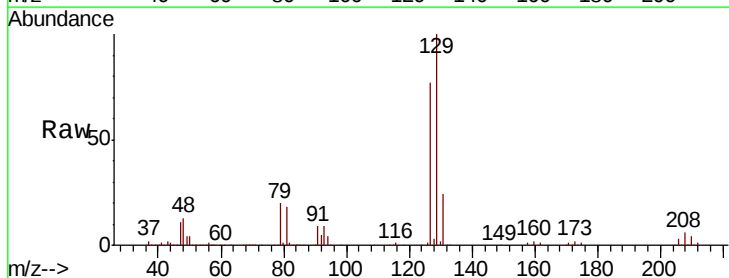
Instrument :
MSVOA_N
ClientSampled :

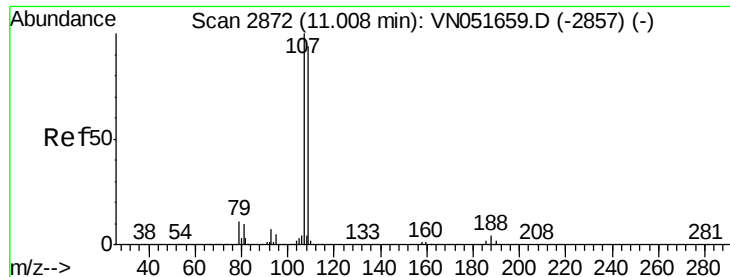
Tot Ion: 43 Resp: 984528
Ion Ratio Lower Upper
43 100
58 56.5 28.8 86.4



#60
Dibromochloromethane
Concen: 51.411 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051664.D
Acq: 4 Oct 2018 14:01

Tgt Ion: 129 Resp: 474162
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.7

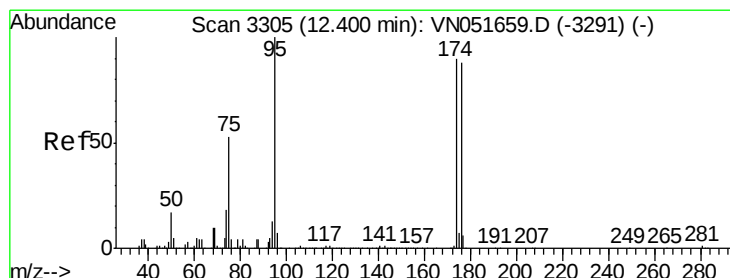
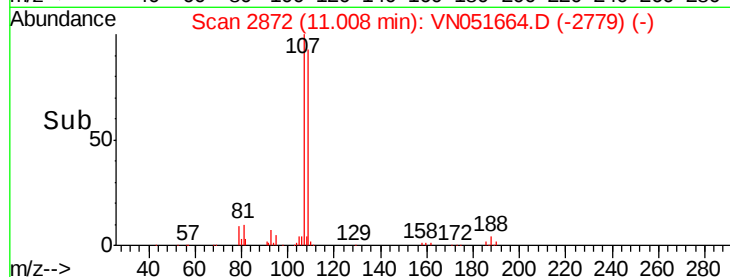
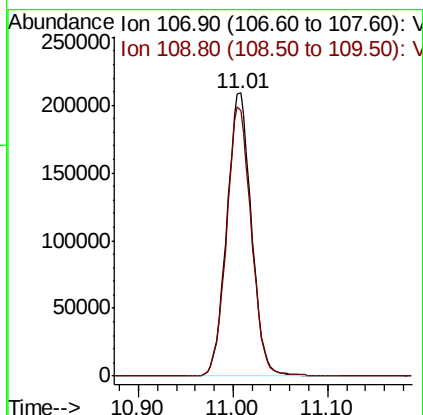
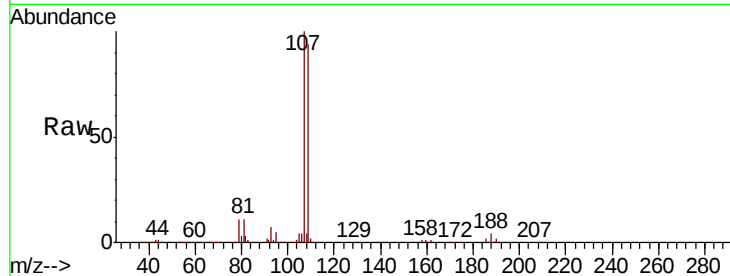




#61
 1,2-Dibromoethane
 Concen: 50.816 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051664.D
 Acq: 4 Oct 2018 14:01

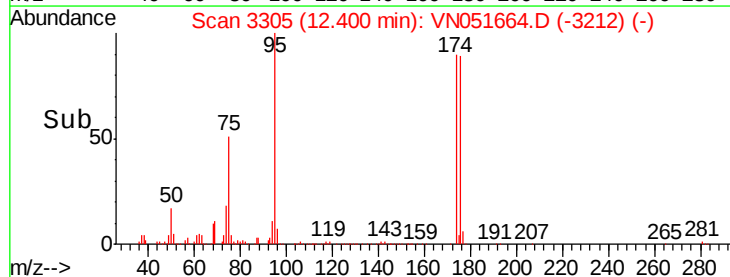
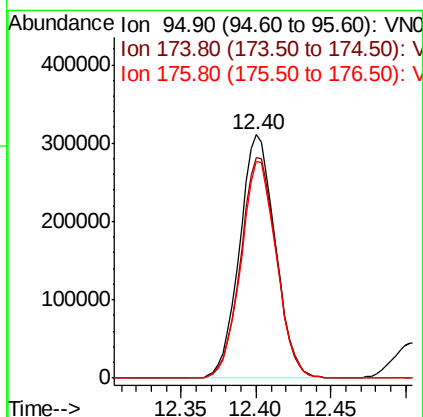
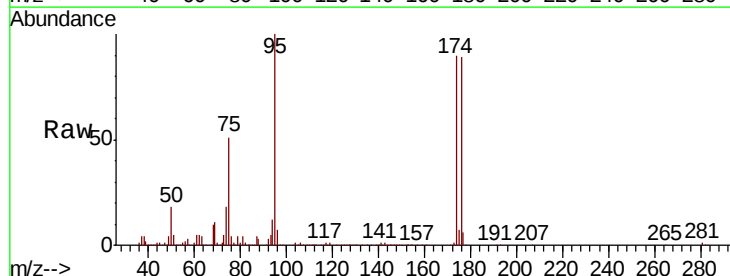
Instrument :
 MSVOA_N
 ClientSampled :

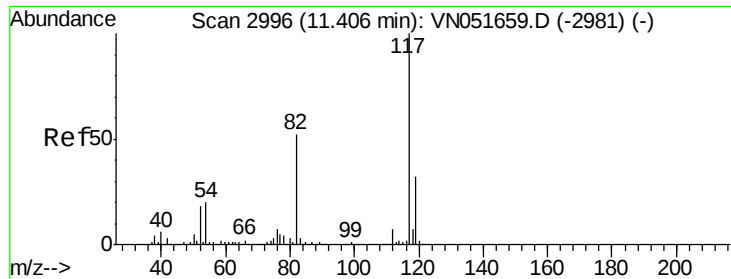
Tot Ion:107 Resp: 378606
 Ion Ratio Lower Upper
 107 100
 109 95.5 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 50.816 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051664.D
 Acq: 4 Oct 2018 14:01

Tgt Ion: 95 Resp: 513873
 Ion Ratio Lower Upper
 95 100
 174 91.9 0.0 182.8
 176 88.8 0.0 176.4

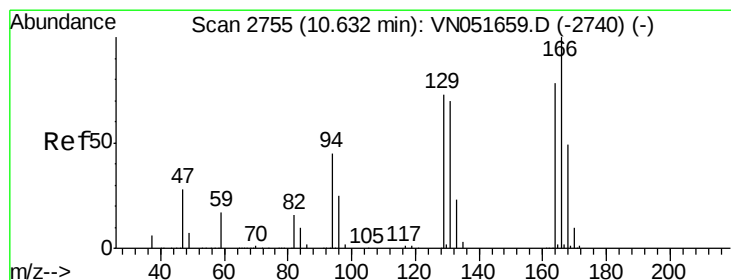
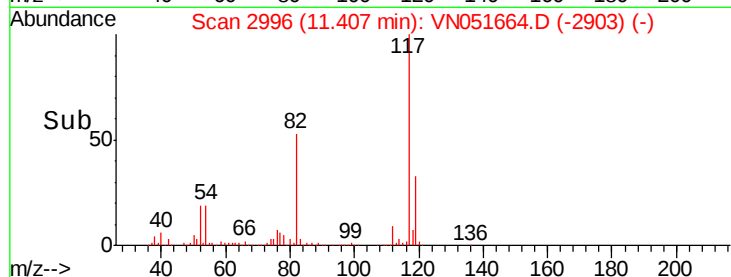
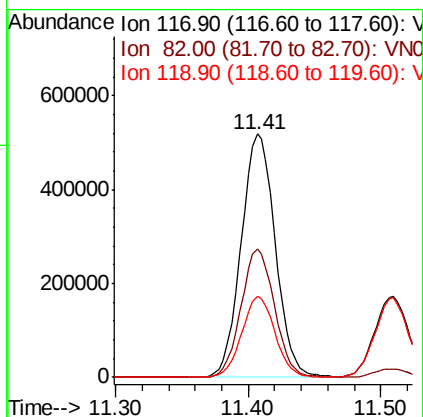
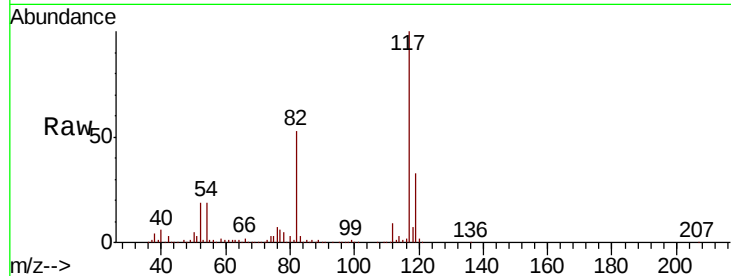




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051664.D
Acq: 4 Oct 2018 14:01

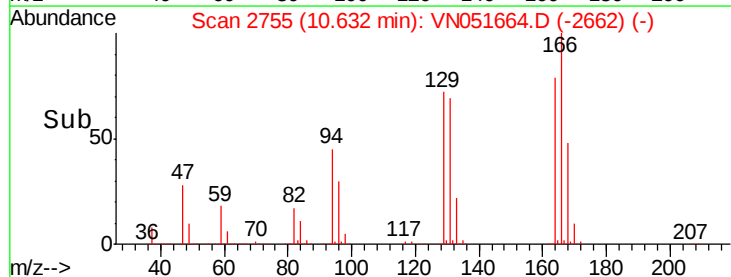
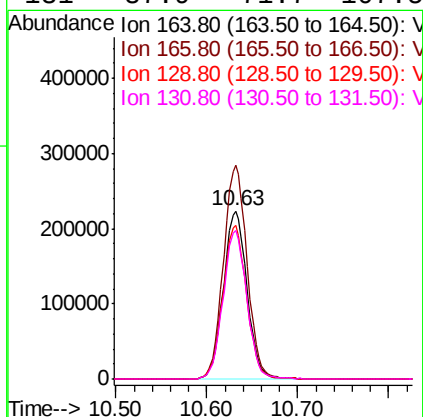
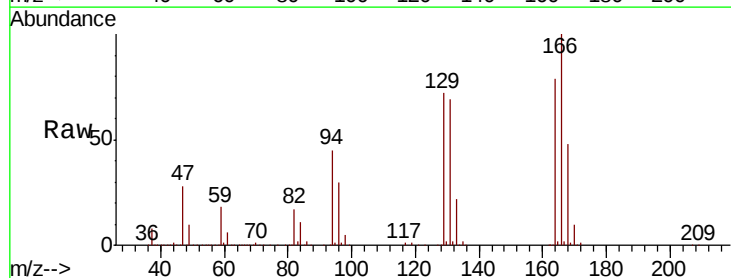
Instrument :
MSVOA_N
ClientSampleId :

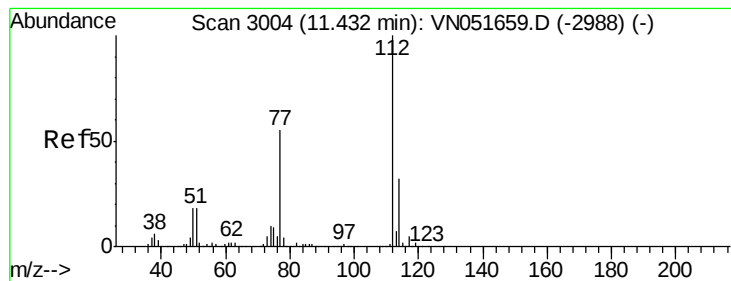
Tot Ion:117 Resp: 926794
Ion Ratio Lower Upper
117 100
82 52.8 41.3 61.9
119 33.1 25.9 38.9



#64
Tetrachloroethene
Concen: 49.318 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051664.D
Acq: 4 Oct 2018 14:01

Tgt Ion:164 Resp: 403251
Ion Ratio Lower Upper
164 100
166 126.9 103.0 154.6
129 91.4 75.2 112.8
131 87.9 71.7 107.5





#65

Chlorobenzene

Concen: 49.091 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

Instrument :

MSVOA_N

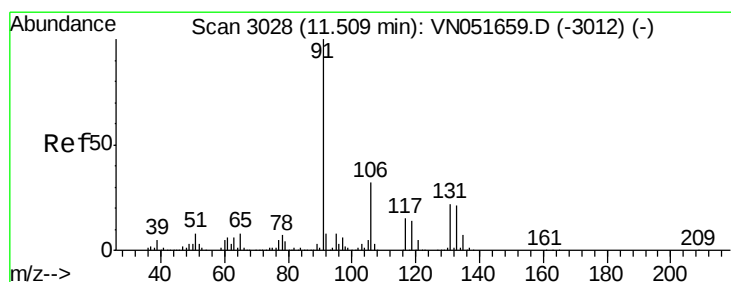
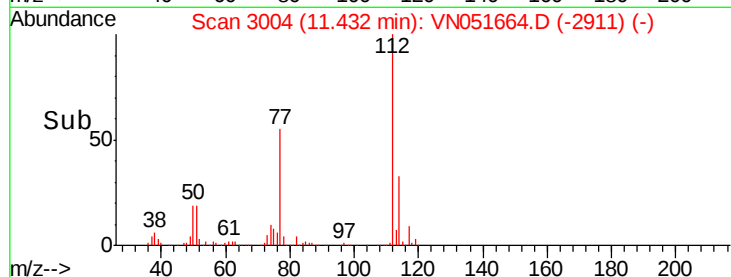
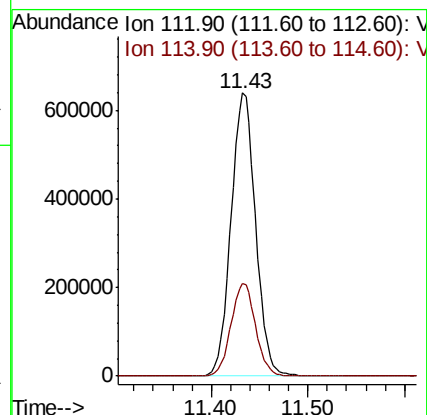
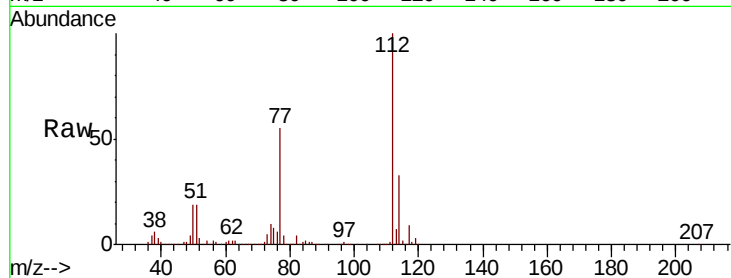
ClientSampleId :

Tot Ion:112 Resp: 1126818

Ion Ratio Lower Upper

112 100

114 32.7 25.9 38.9



#66

1,1,1,2-Tetrachloroethane

Concen: 50.071 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

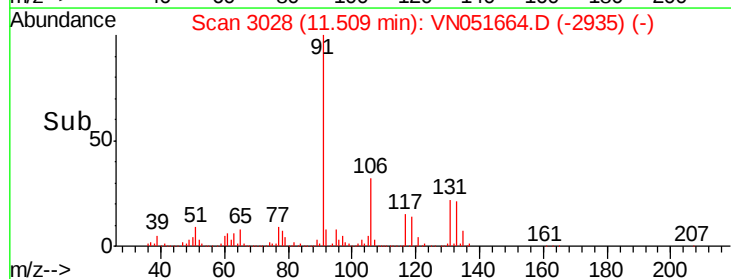
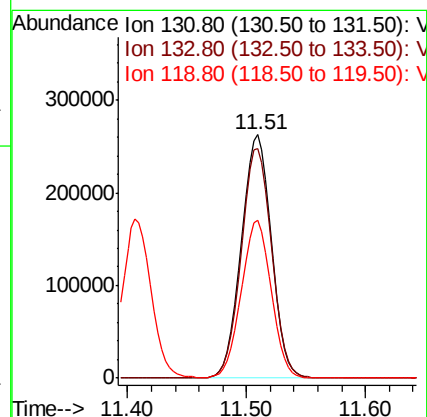
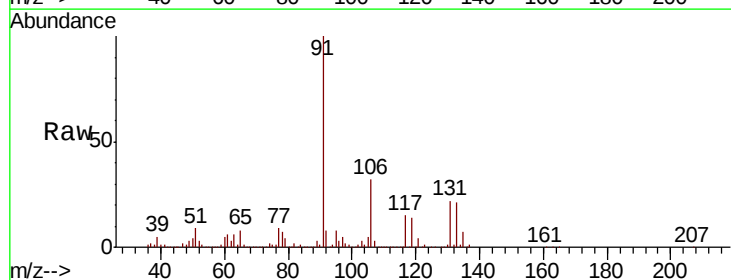
Tgt Ion:131 Resp: 460183

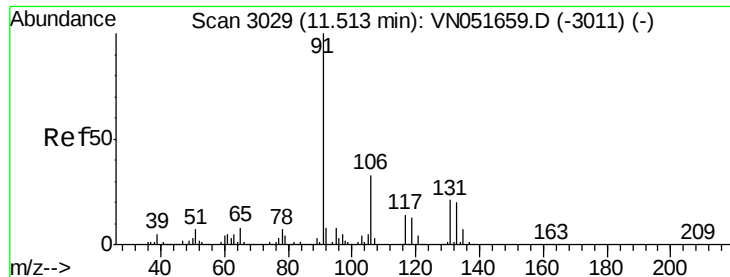
Ion Ratio Lower Upper

131 100

133 95.7 47.6 142.8

119 64.6 32.0 96.0

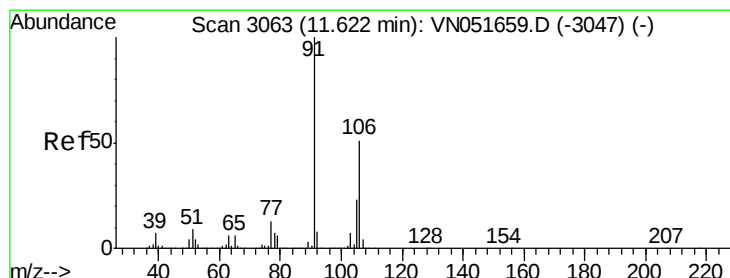
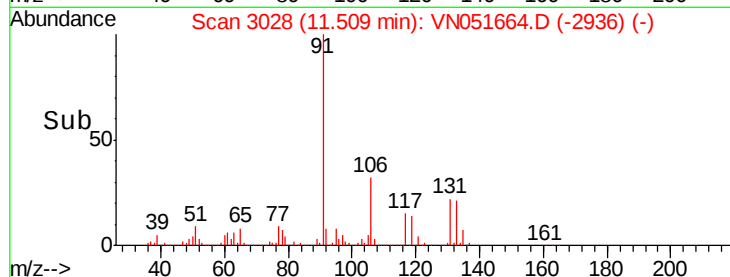
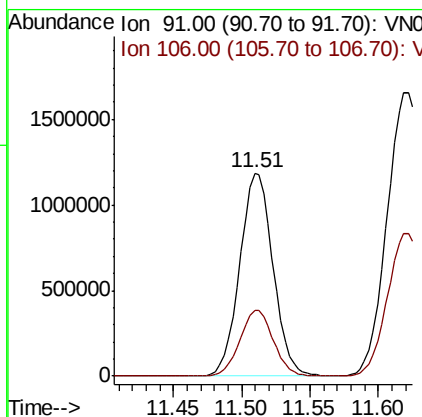
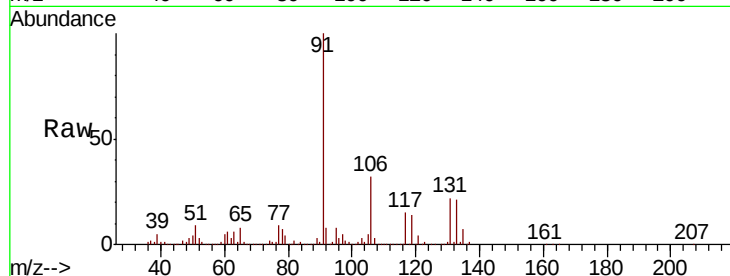




#67
Ethyl Benzene
Concen: 50.545 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051664.D
Acq: 4 Oct 2018 14:01

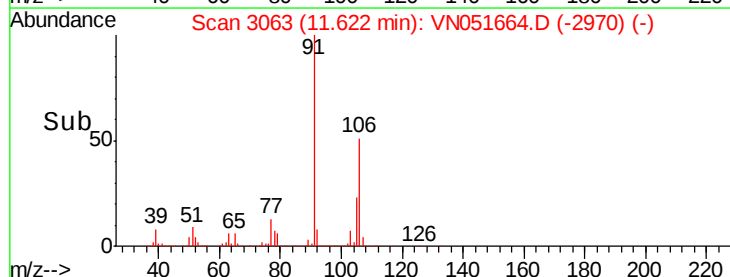
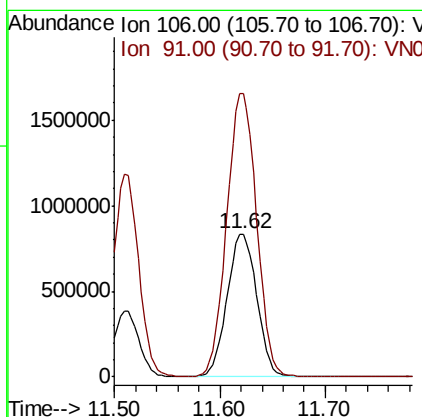
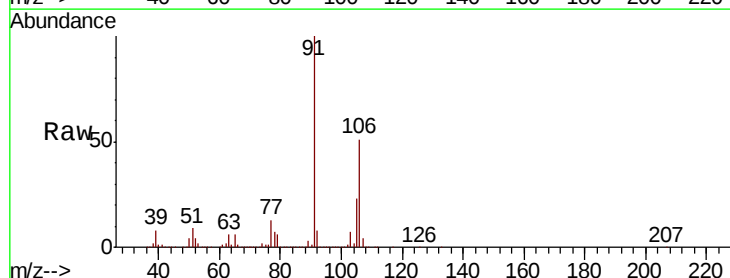
Instrument :
MSVOA_N
ClientSampled :

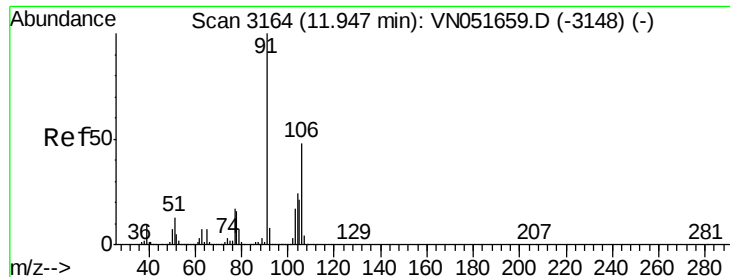
Tot Ion: 91 Resp: 2005316
Ion Ratio Lower Upper
91 100
106 32.4 26.0 39.0



#68
m/p-Xylenes
Concen: 102.463 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051664.D
Acq: 4 Oct 2018 14:01

Tgt Ion: 106 Resp: 1626529
Ion Ratio Lower Upper
106 100
91 198.8 158.4 237.6

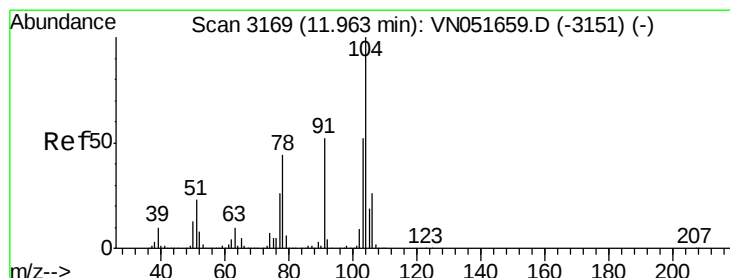
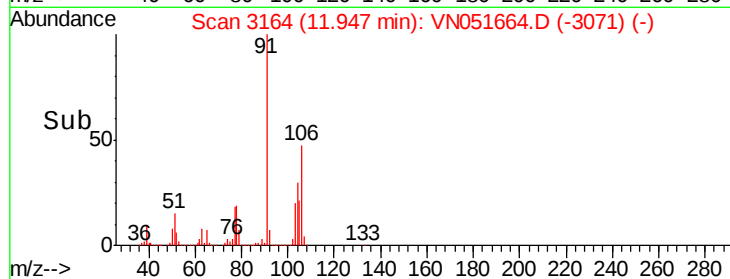
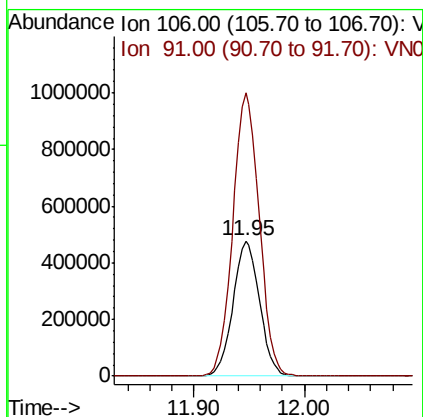
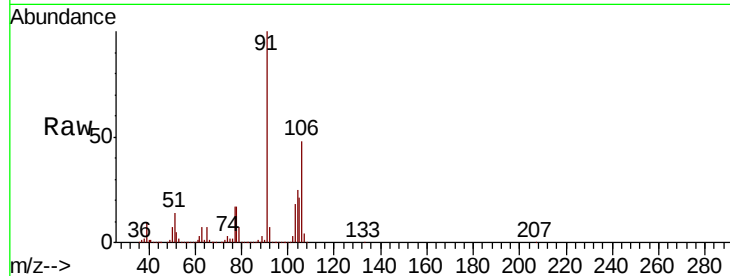




#69
o-Xylene
Concen: 51.024 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051664.D
Acq: 4 Oct 2018 14:01

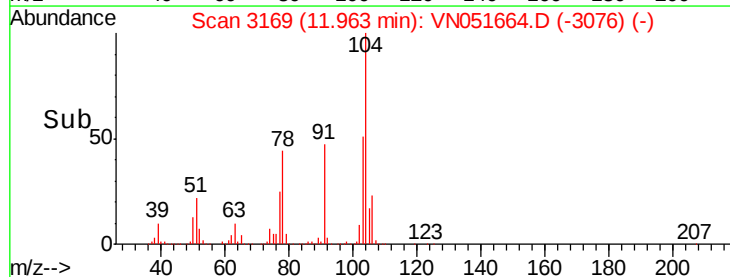
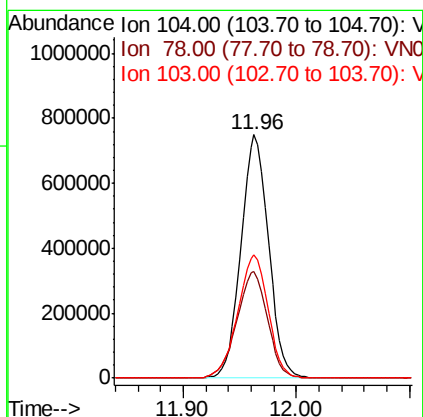
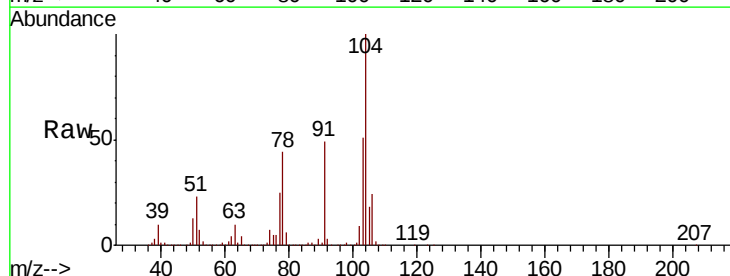
Instrument :
MSVOA_N
ClientSampled :

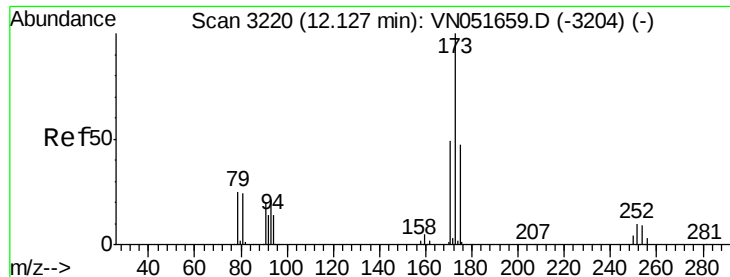
Tot Ion:106 Resp: 794329
Ion Ratio Lower Upper
106 100
91 208.7 104.4 313.2



#70
Styrene
Concen: 51.395 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051664.D
Acq: 4 Oct 2018 14:01

Tgt Ion:104 Resp: 1274943
Ion Ratio Lower Upper
104 100
78 48.7 39.3 58.9
103 55.6 45.0 67.6





#71

Bromoform

Concen: 50.400 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

Instrument :

MSVOA_N

ClientSampled :

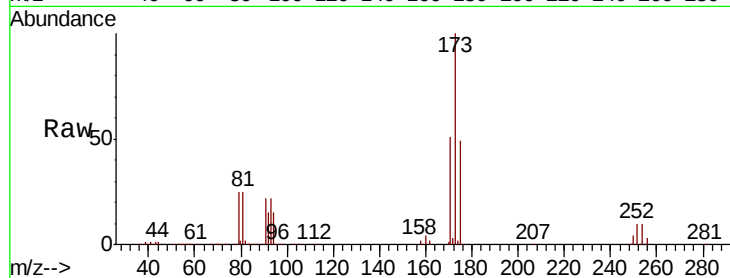
Tot Ion:173 Resp: 344542

Ion Ratio Lower Upper

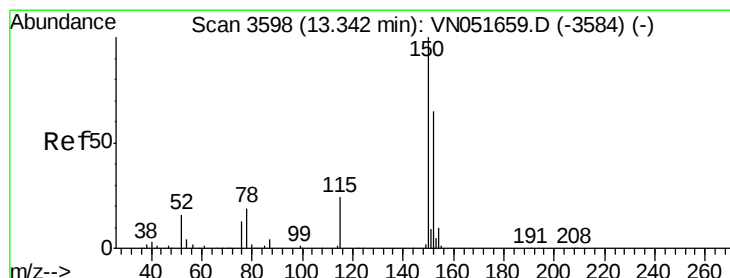
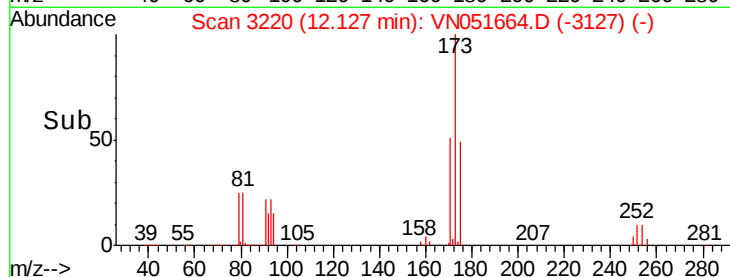
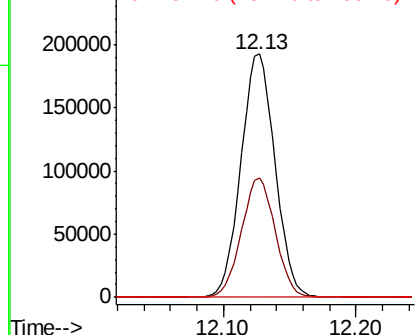
173 100

175 48.6 24.0 72.0

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: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

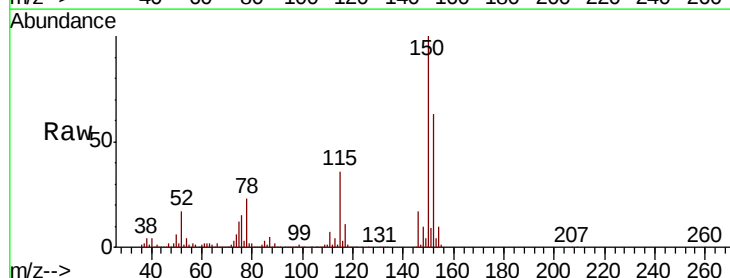
Tgt Ion:152 Resp: 546859

Ion Ratio Lower Upper

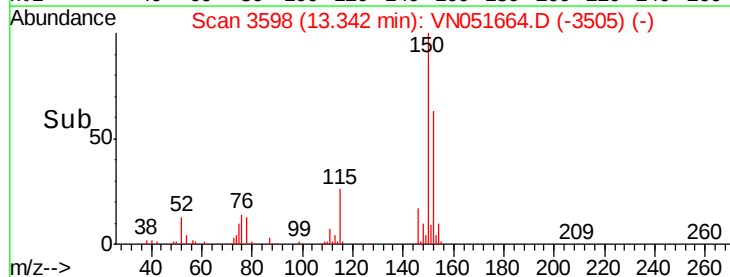
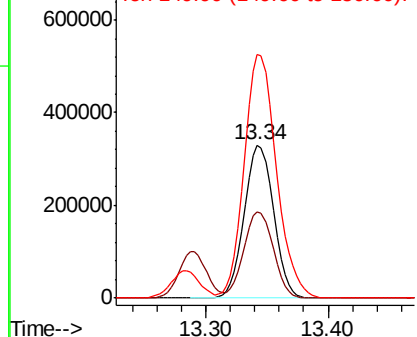
152 100

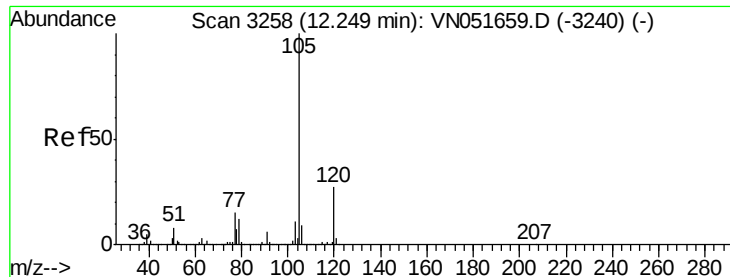
115 56.5 28.6 85.8

150 174.5 0.0 352.4



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





#73

Isopropylbenzene

Concen: 46.163 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

Instrument :

MSVOA_N

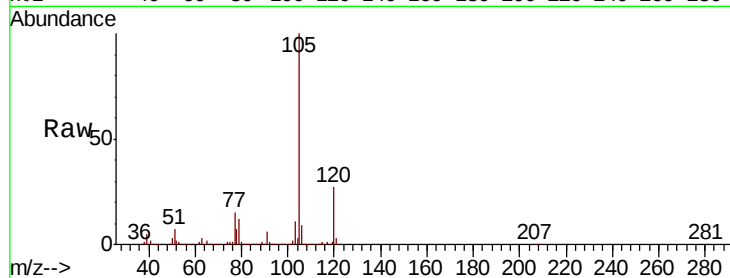
ClientSampled :

Tot Ion:105 Resp: 2151957

Ion Ratio Lower Upper

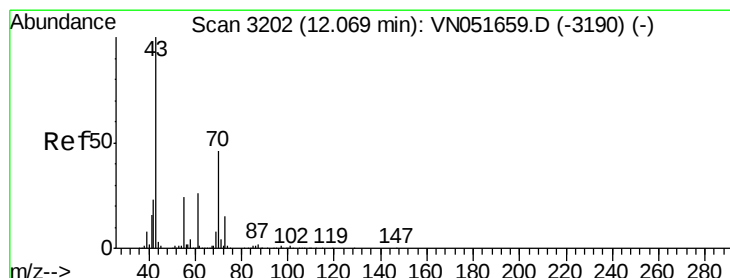
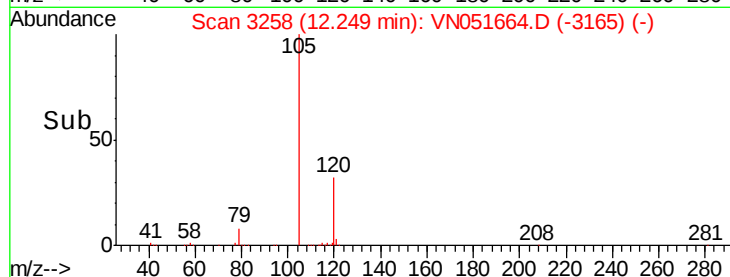
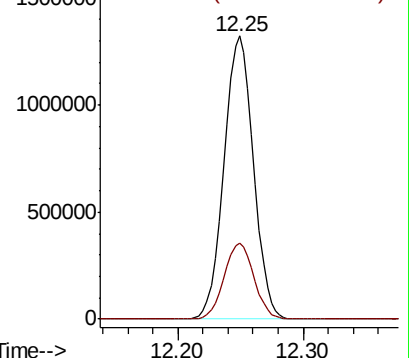
105 100

120 27.2 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.630 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

Tgt Ion: 43 Resp: 487400

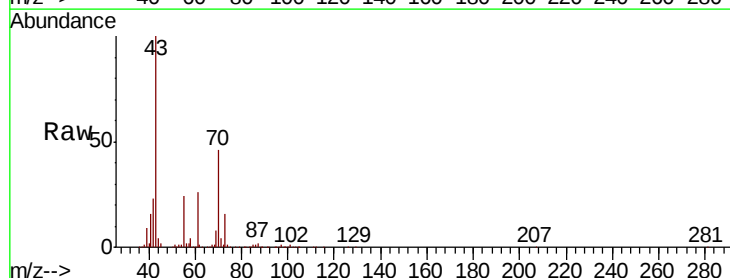
Ion Ratio Lower Upper

43 100

70 45.1 37.1 55.7

55 23.2 19.1 28.7

61 26.1 20.8 31.2

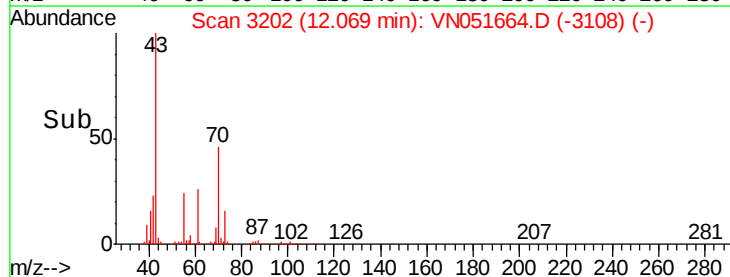
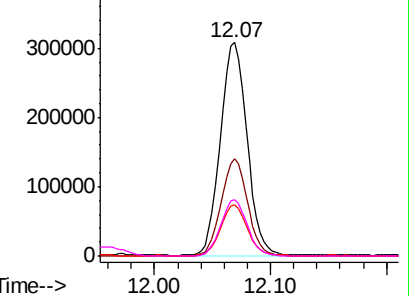


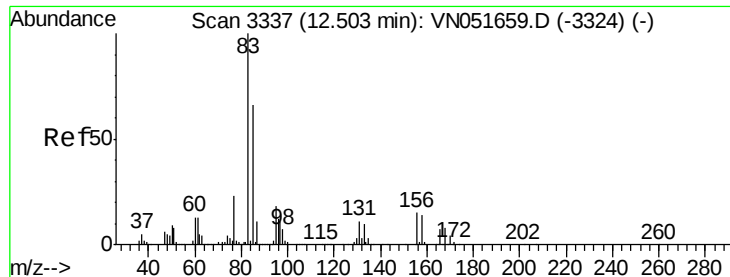
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.621 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

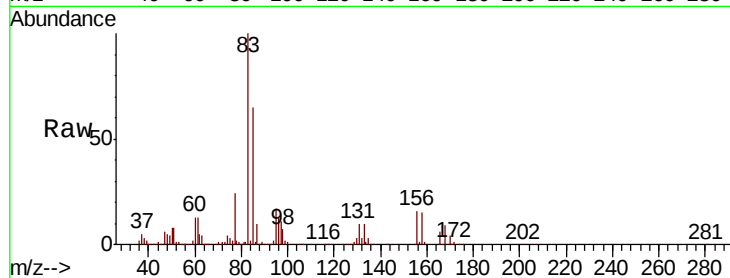
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 83 Resp: 448757

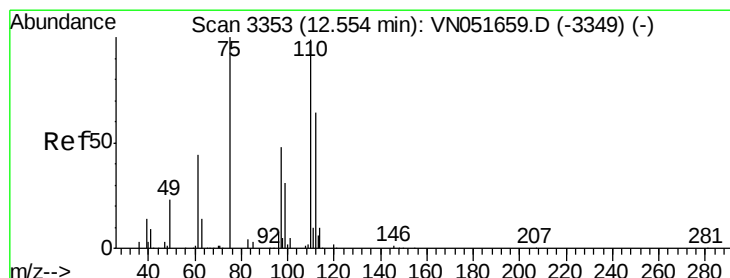
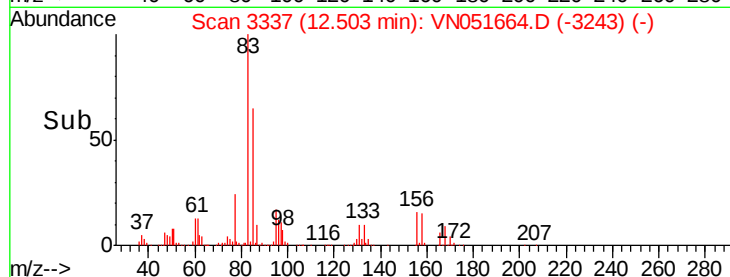
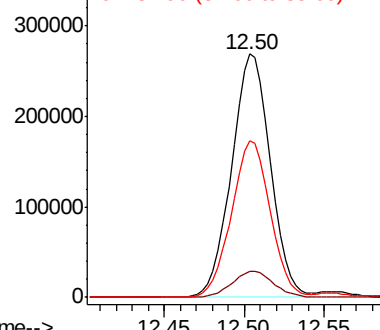
Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.7	17.1
85	64.7	33.0	98.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 86.898 ug/l

RT: 12.55 min Scan# 3353

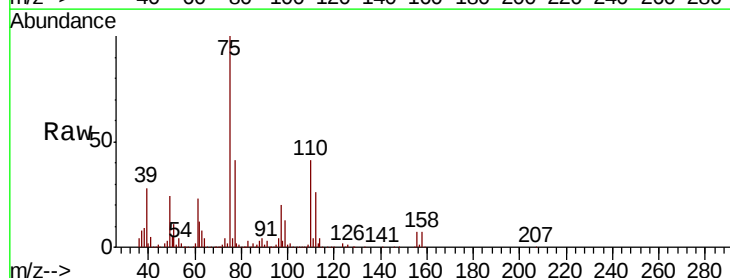
Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

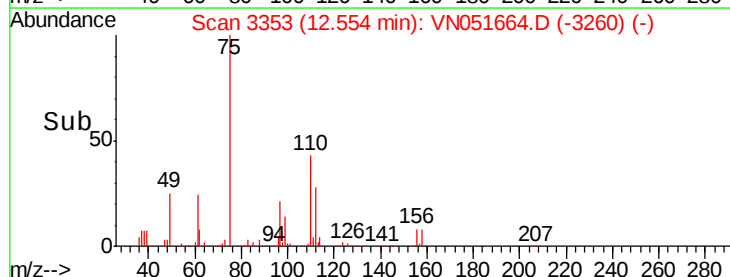
Tgt Ion: 75 Resp: 569886

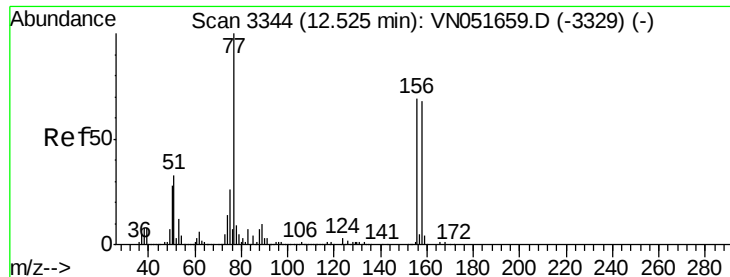
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 45.580 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

Instrument :

MSVOA_N

ClientSampleId :

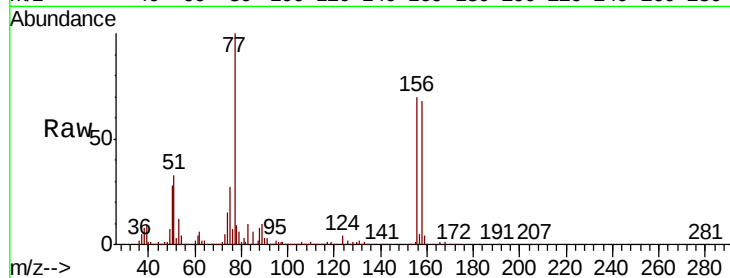
Tot Ion:156 Resp: 519533

Ion Ratio Lower Upper

156 100

77 166.2 83.2 249.4

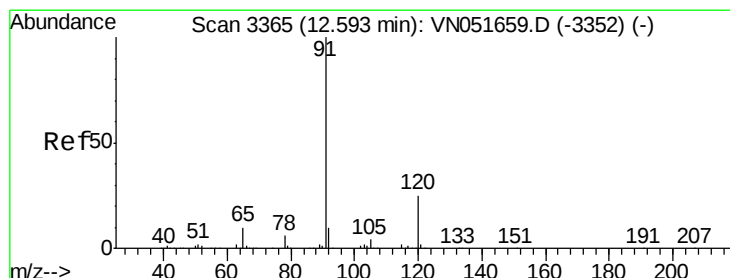
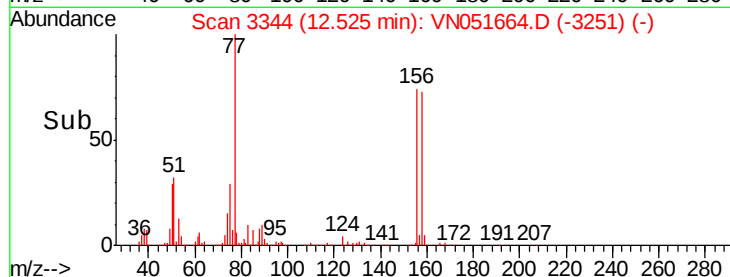
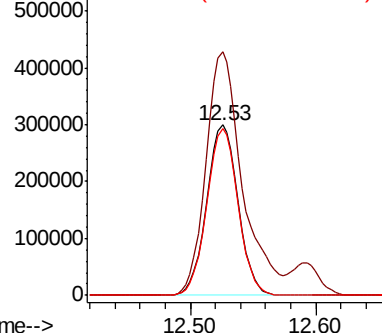
158 97.5 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.362 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051664.D

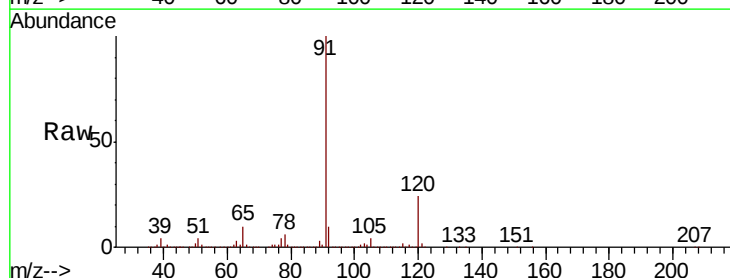
Acq: 4 Oct 2018 14:01

Tgt Ion: 91 Resp: 2408135

Ion Ratio Lower Upper

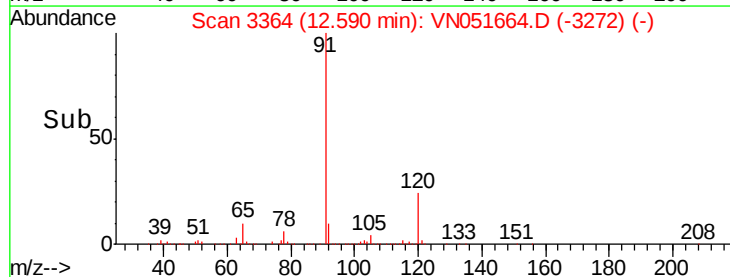
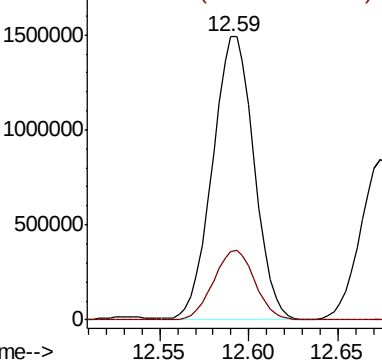
91 100

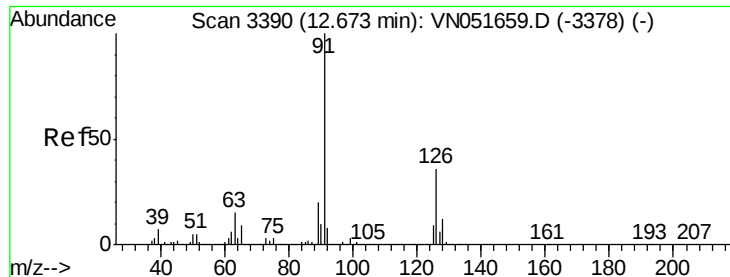
120 24.4 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.611 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

Instrument :

MSVOA_N

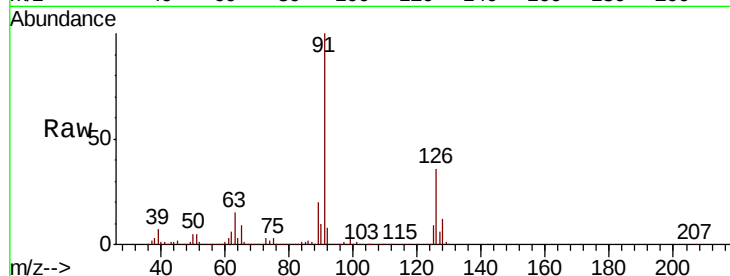
ClientSampled :

Tot Ion: 91 Resp: 1396744

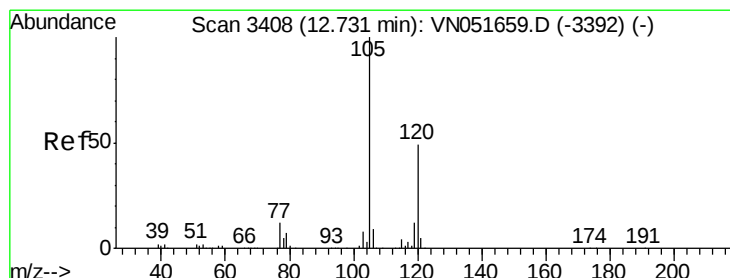
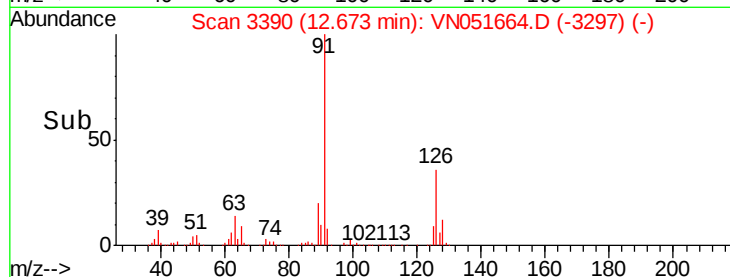
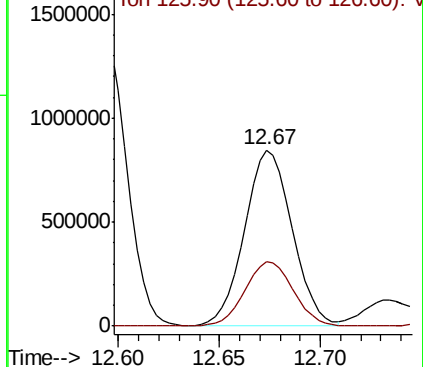
Ion Ratio Lower Upper

91 100

126 37.4 18.5 55.5



Abundance Ion 91.00 (90.70 to 91.70): VN051659.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.200 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051664.D

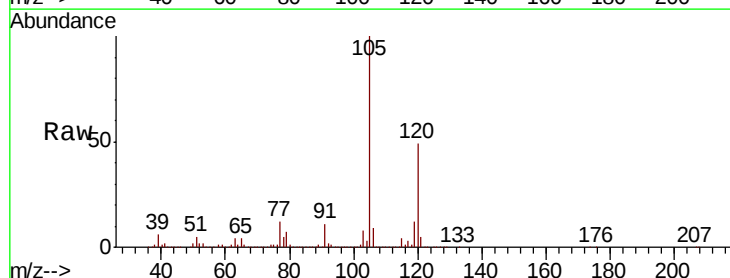
Acq: 4 Oct 2018 14:01

Tgt Ion:105 Resp: 1854273

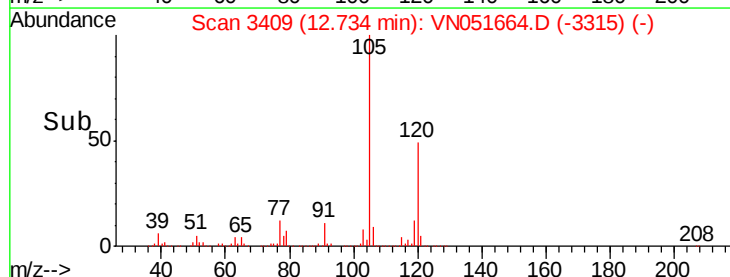
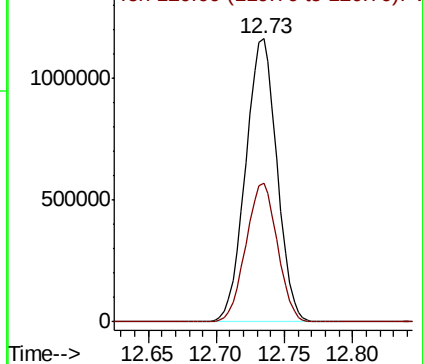
Ion Ratio Lower Upper

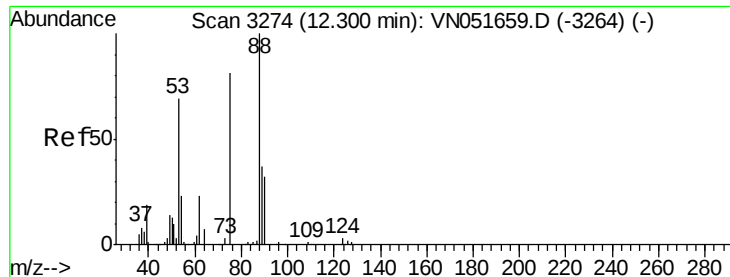
105 100

120 49.2 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN051659.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 47.554 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

Instrument :

MSVOA_N

ClientSampled :

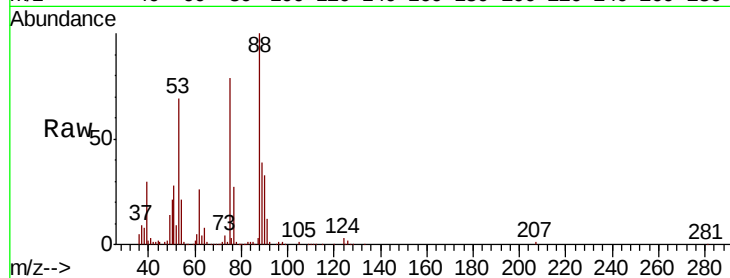
Tot Ion: 75 Resp: 141472

Ion Ratio Lower Upper

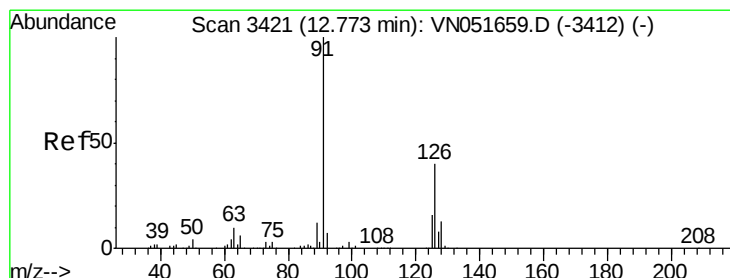
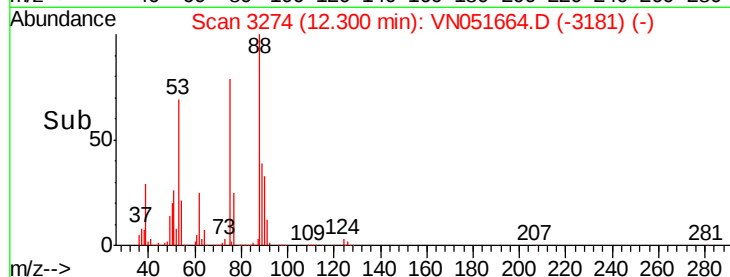
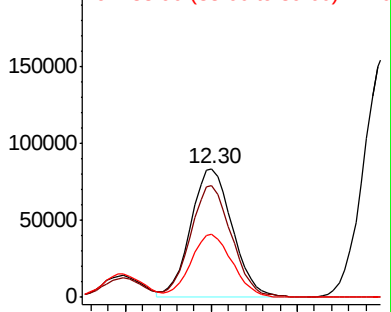
75 100

53 84.7 68.6 102.8

89 49.0 39.4 59.2



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: 48.232 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051664.D

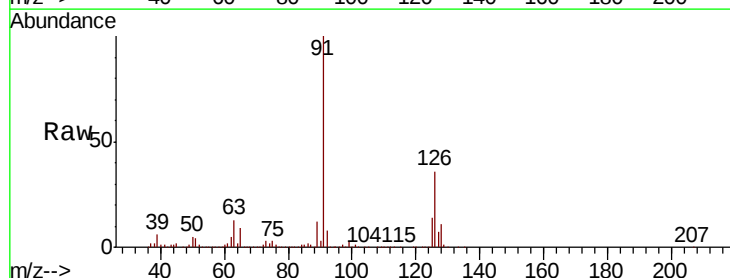
Acq: 4 Oct 2018 14:01

Tgt Ion: 91 Resp: 1451922

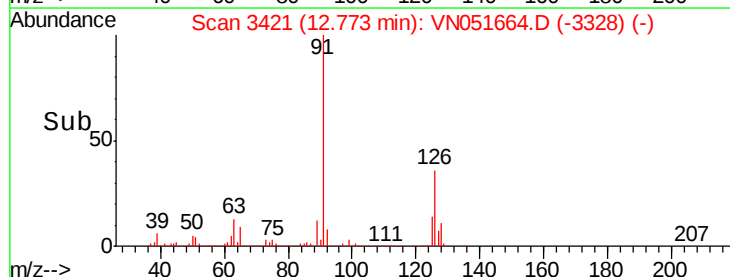
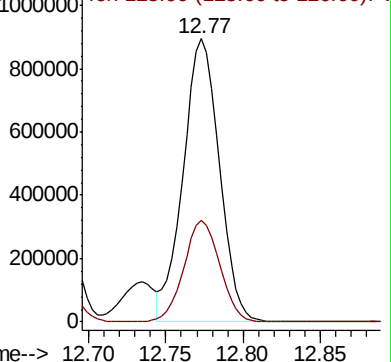
Ion Ratio Lower Upper

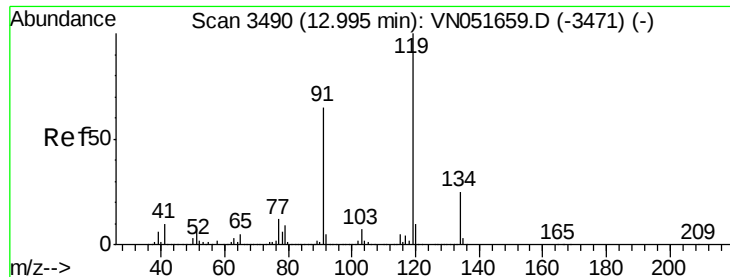
91 100

126 35.7 18.0 54.0



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





#83

tert-Butylbenzene

Concen: 46.984 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

Instrument :

MSVOA_N

ClientSampled :

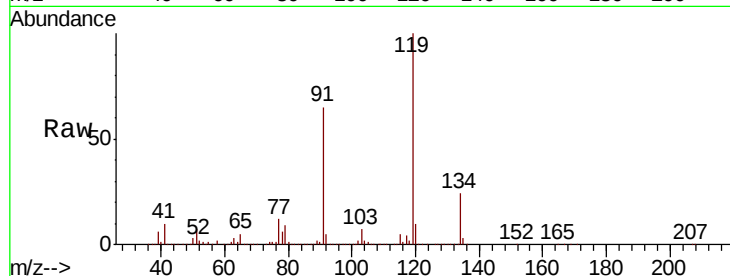
Tot Ion:119 Resp: 1653915

Ion Ratio Lower Upper

119 100

91 64.2 32.1 96.5

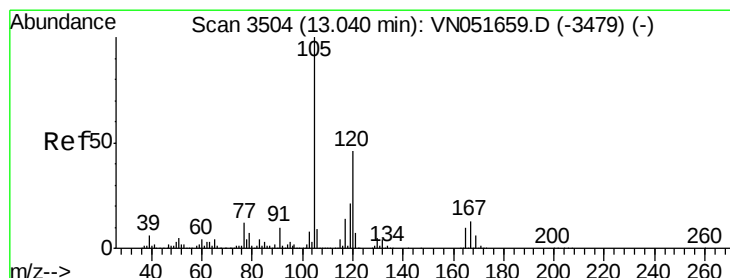
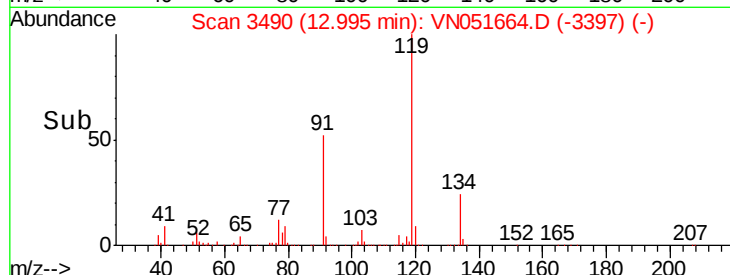
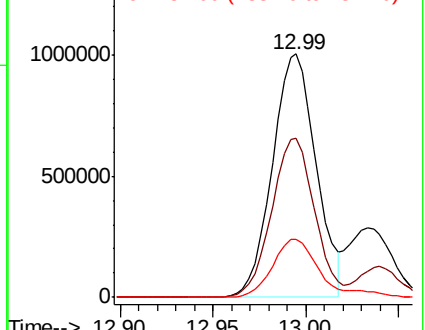
134 26.0 13.3 39.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 47.723 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN051664.D

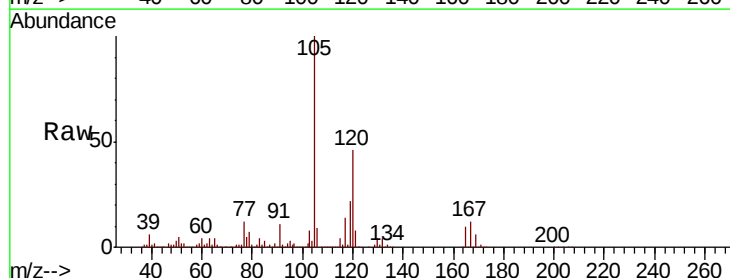
Acq: 4 Oct 2018 14:01

Tgt Ion:105 Resp: 1877885

Ion Ratio Lower Upper

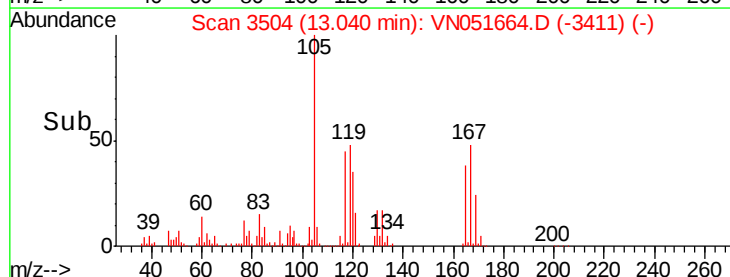
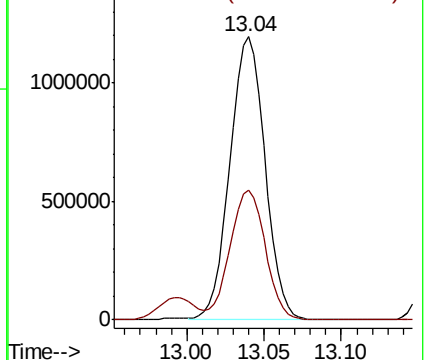
105 100

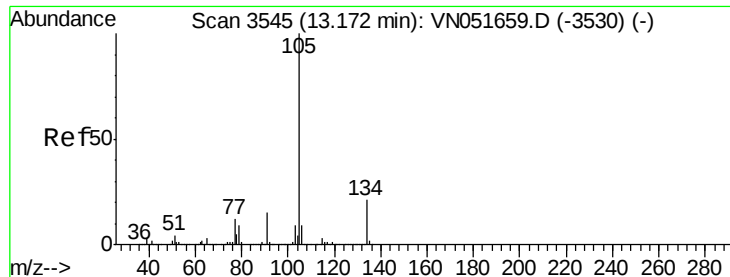
120 46.3 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.914 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

Instrument :

MSVOA_N

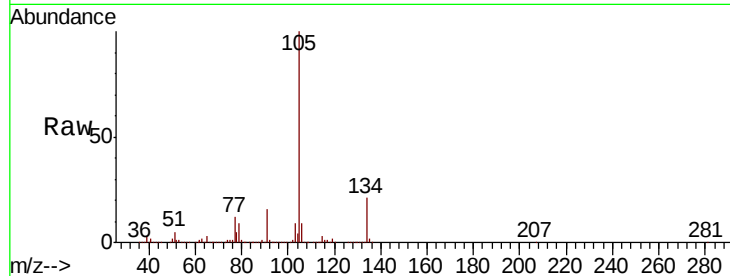
ClientSampled :

Tot Ion:105 Resp: 2231034

Ion Ratio Lower Upper

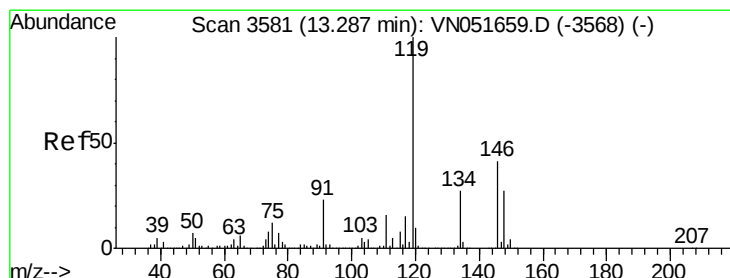
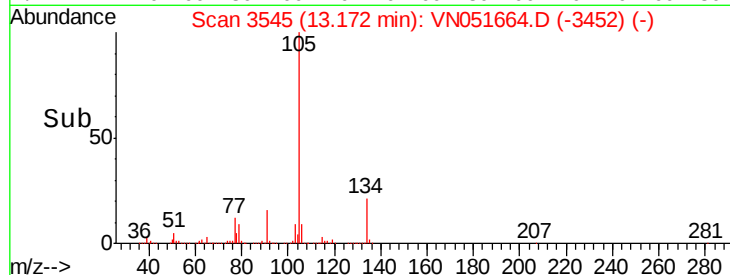
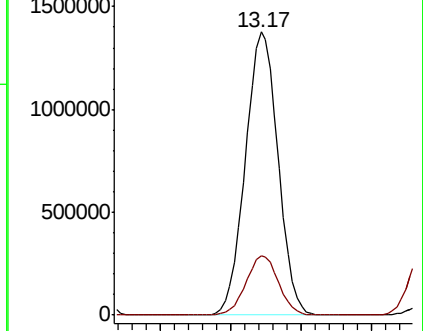
105 100

134 20.9 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.029 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

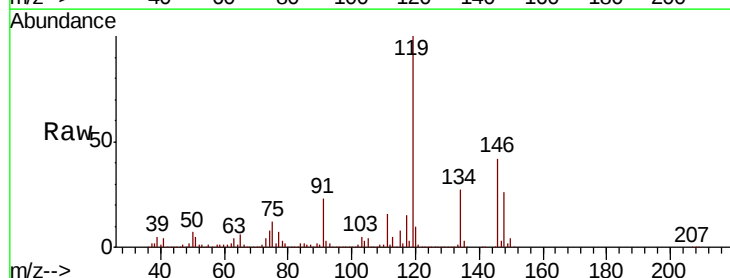
Tgt Ion:119 Resp: 2023892

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

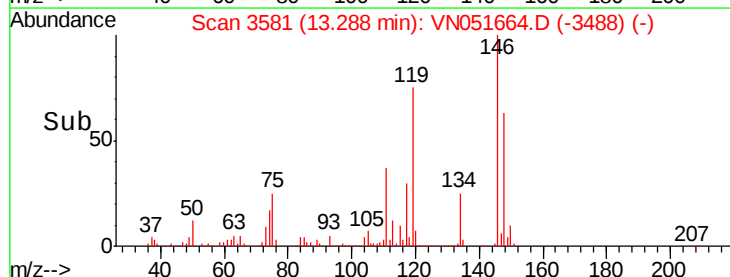
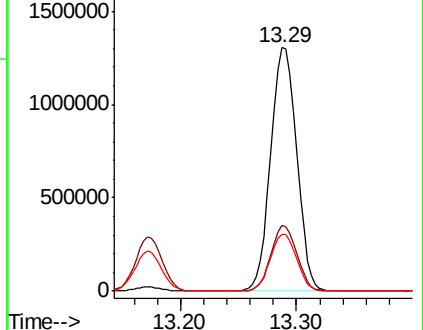
91 23.4 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.793 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

Instrument :

MSVOA_N

ClientSampleId :

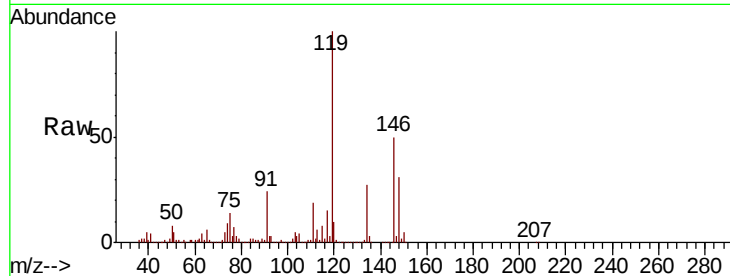
Tot Ion:146 Resp: 988969

Ion Ratio Lower Upper

146 100

111 37.6 19.3 57.9

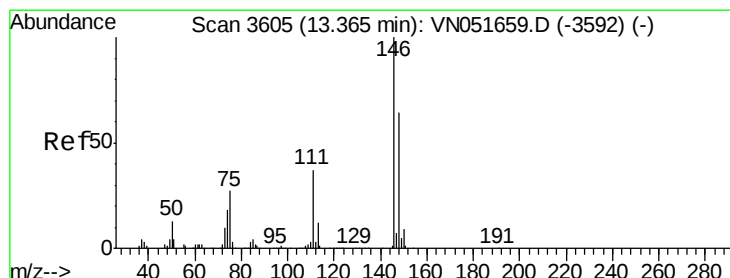
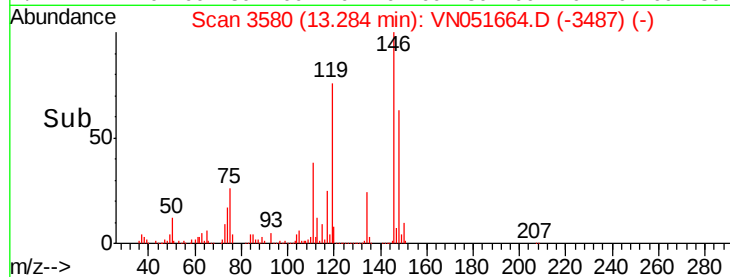
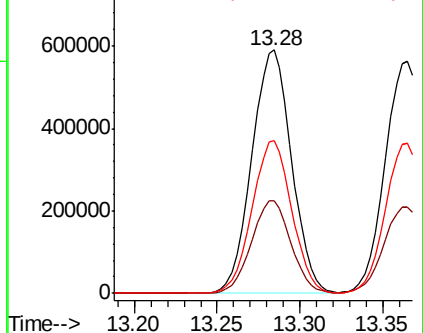
148 62.5 32.5 97.5



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: 48.609 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

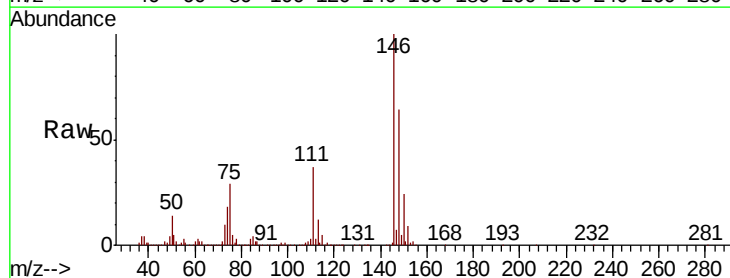
Tgt Ion:146 Resp: 950279

Ion Ratio Lower Upper

146 100

111 37.9 18.6 55.8

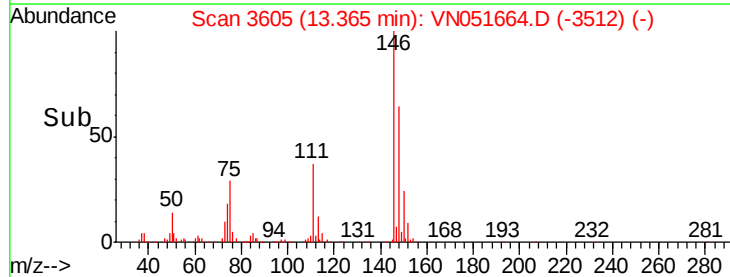
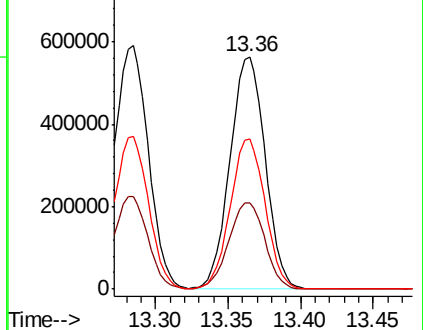
148 63.9 32.3 96.8

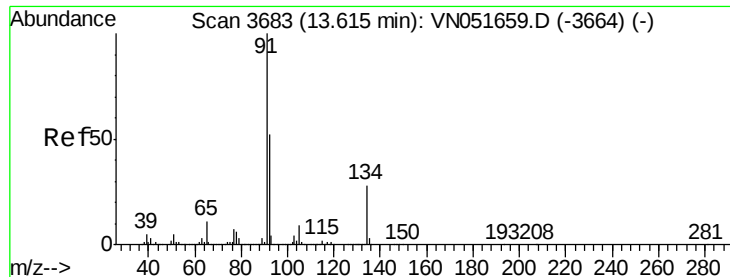


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 50.076 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

Instrument :

MSVOA_N

ClientSampled :

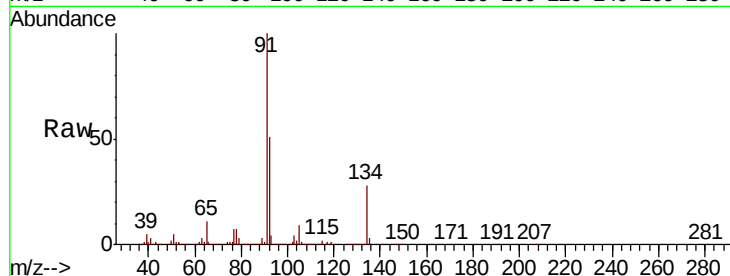
Tot Ion: 91 Resp: 1634381

Ion Ratio Lower Upper

91 100

92 51.4 26.0 78.0

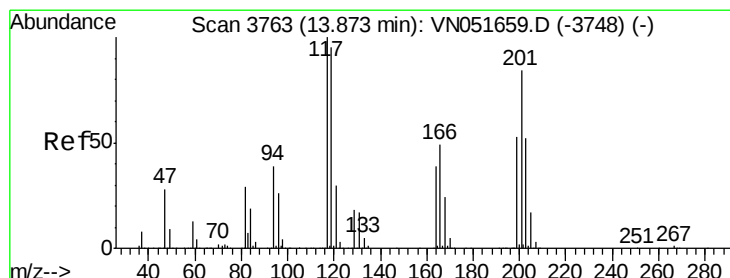
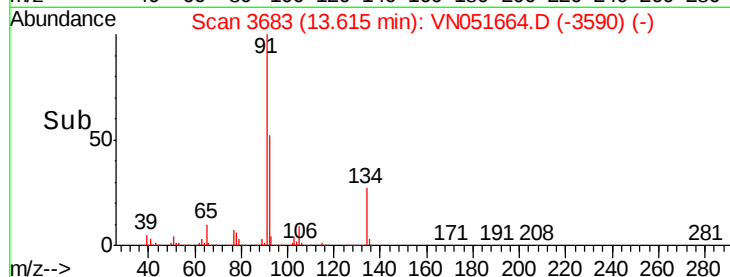
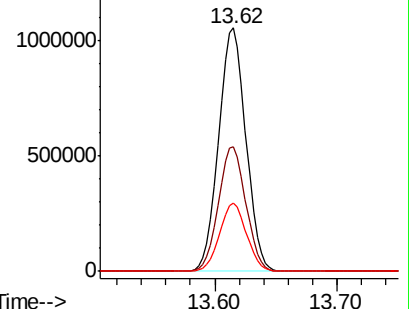
134 27.7 14.2 42.6



Abundance Ion 91.00 (90.70 to 91.70): VN051659.D (-3664) (-)

Ion 92.00 (91.70 to 92.70): VN051659.D (-3664) (-)

Ion 134.00 (133.70 to 134.70): VN051659.D (-3664) (-)



#90

Hexachloroethane

Concen: 47.530 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051664.D

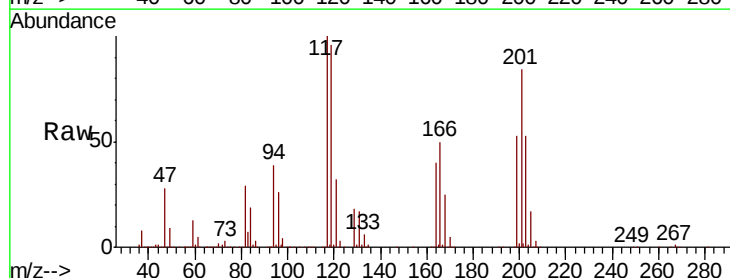
Acq: 4 Oct 2018 14:01

Tgt Ion: 117 Resp: 391453

Ion Ratio Lower Upper

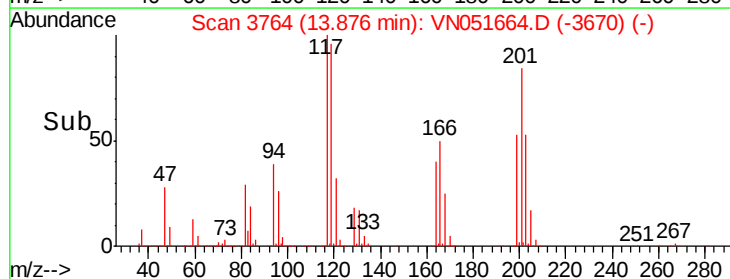
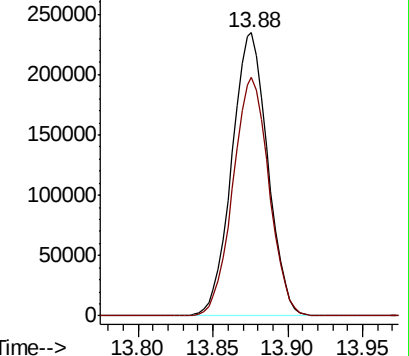
117 100

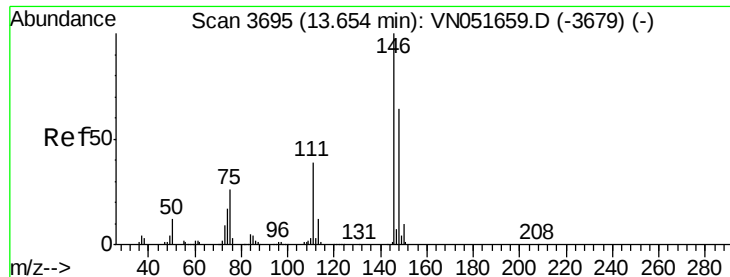
201 84.7 42.4 127.3



Abundance Ion 116.80 (116.50 to 117.50): VN051659.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN051659.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 47.646 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

Instrument :

MSVOA_N

ClientSampleId :

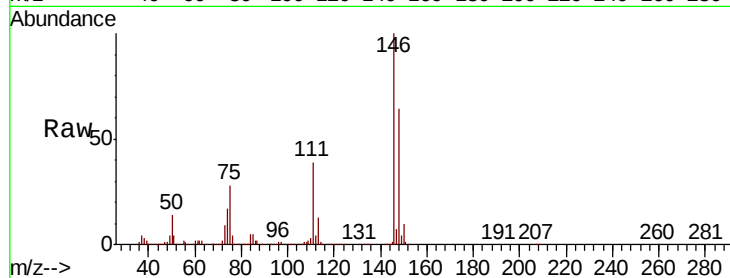
Tot Ion:146 Resp: 940750

Ion Ratio Lower Upper

146 100

111 39.3 19.7 59.0

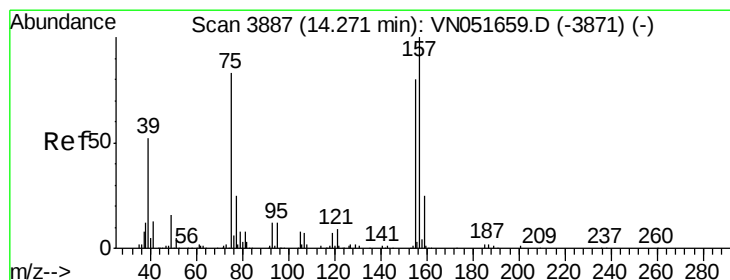
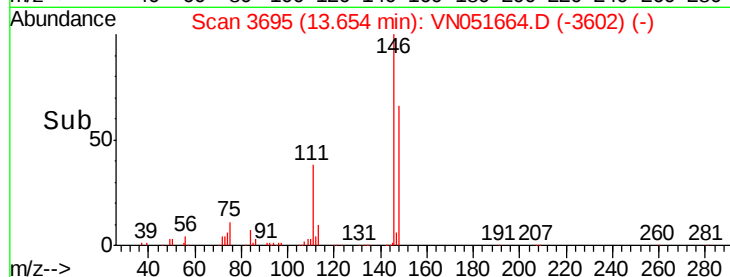
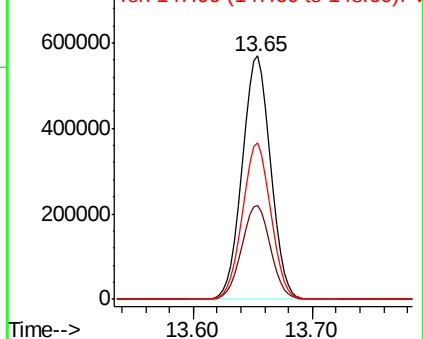
148 64.3 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.996 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

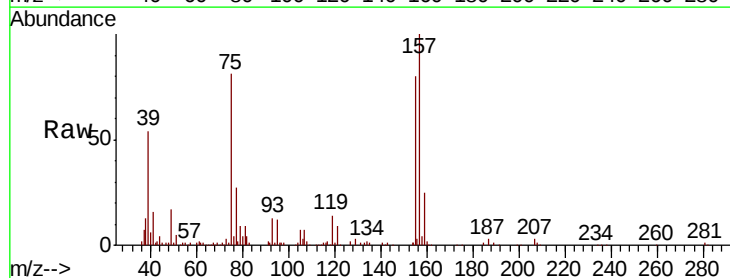
Tgt Ion: 75 Resp: 78597

Ion Ratio Lower Upper

75 100

155 96.0 47.6 142.9

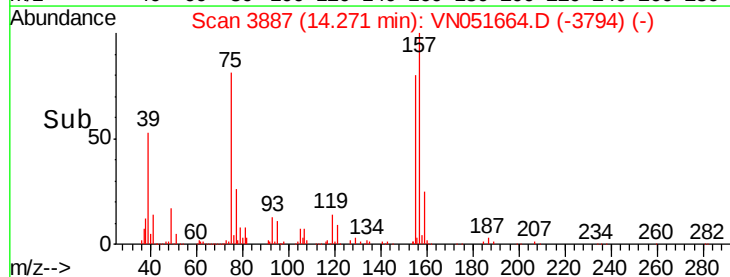
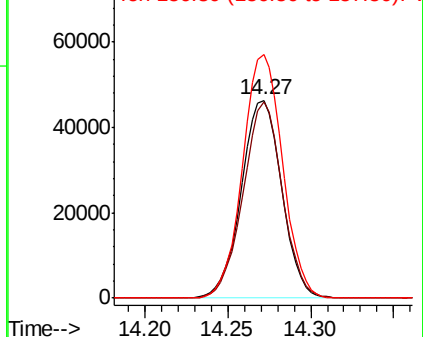
157 121.6 61.7 185.1

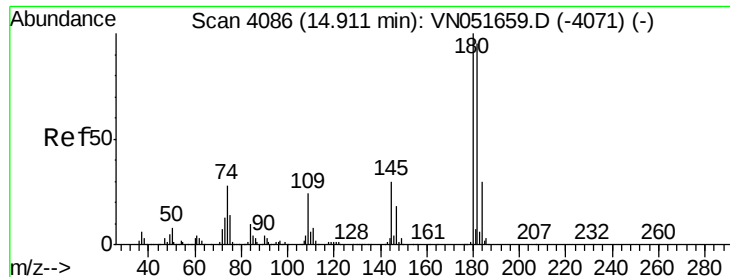


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

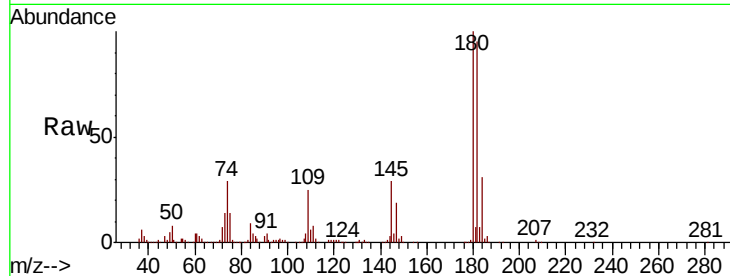




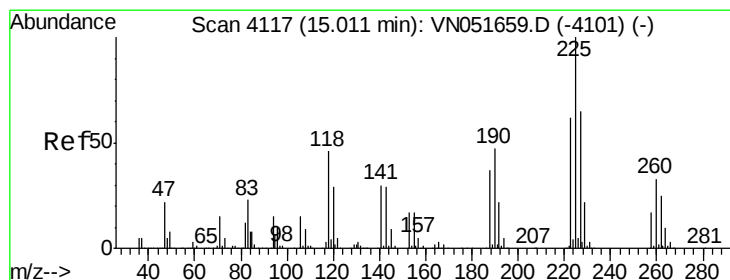
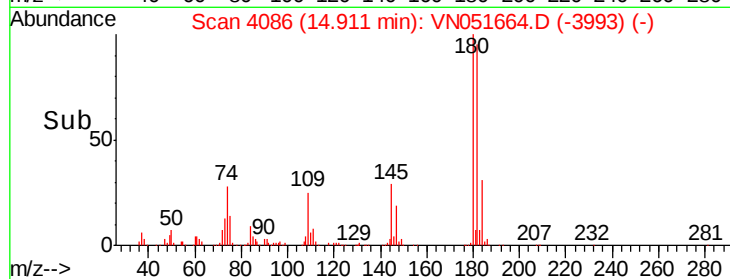
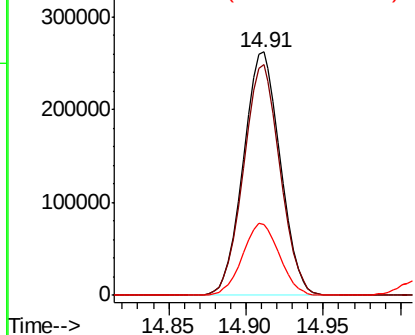
#93
 1,2,4-Trichlorobenzene
 Concen: 49.528 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051664.D
 Acq: 4 Oct 2018 14:01

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 435146
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.7 143.1
 145 29.6 15.3 45.9

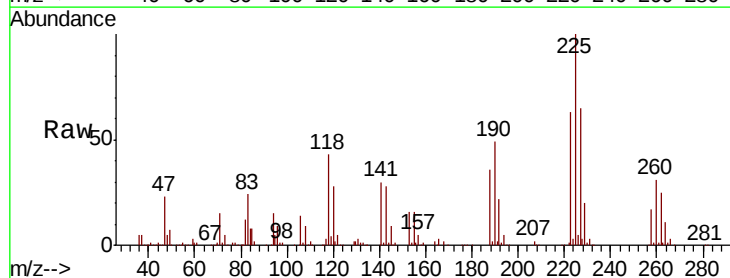


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

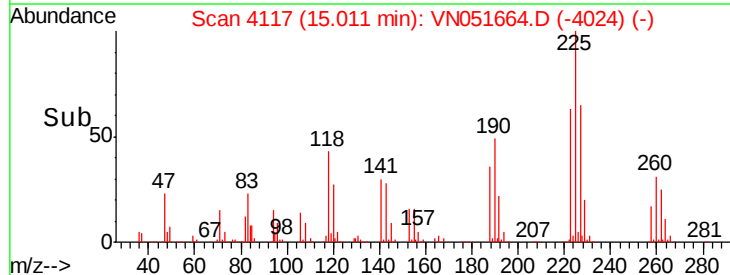
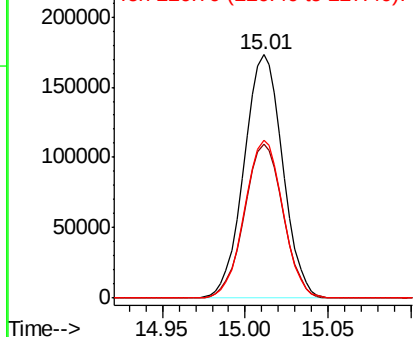


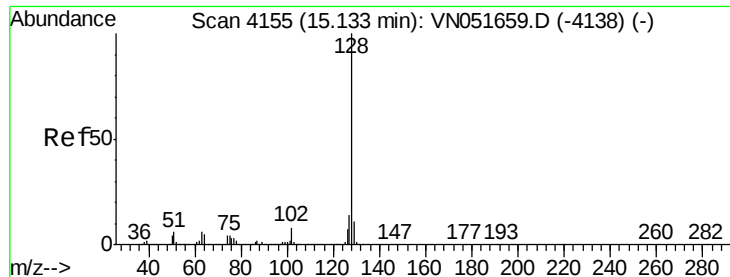
#94
 Hexachlorobutadiene
 Concen: 47.157 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051664.D
 Acq: 4 Oct 2018 14:01

Tgt Ion:225 Resp: 281109
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.9 95.5
 227 64.6 31.7 95.1



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 47.282 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

Instrument :

MSVOA_N

ClientSampleId :

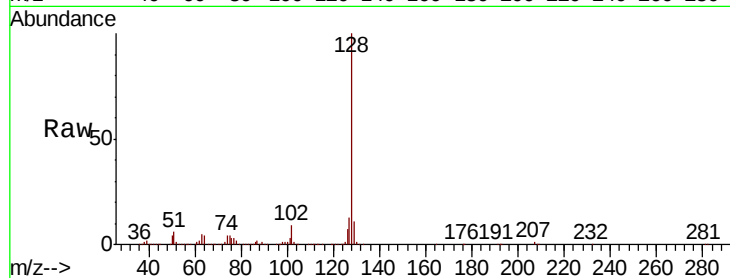
Tot Ion:128 Resp: 897082

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

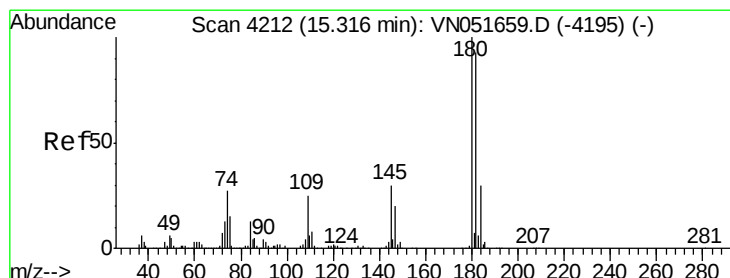
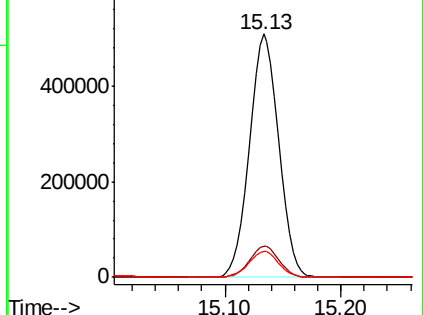
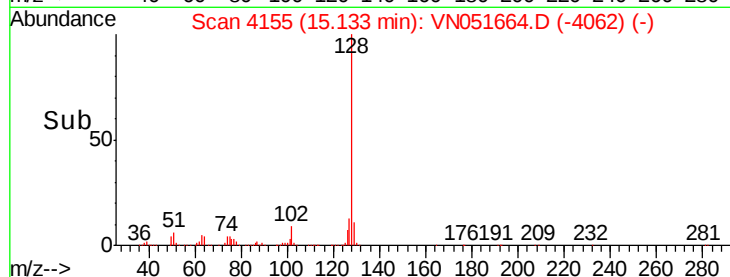
129 11.0 9.0 13.6



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: 47.801 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051664.D

Acq: 4 Oct 2018 14:01

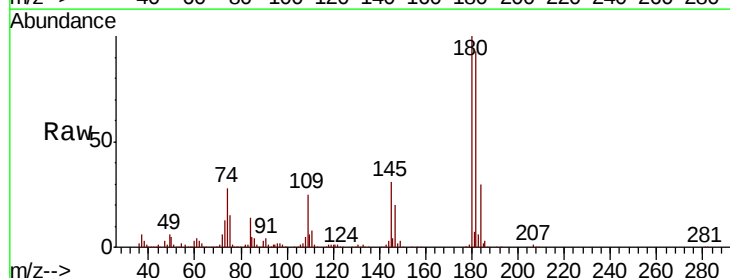
Tgt Ion:180 Resp: 413617

Ion Ratio Lower Upper

180 100

182 94.0 47.3 141.8

145 31.1 15.6 46.8



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

