

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091018\
 Data File : VN051066.D
 Acq On : 10 Sep 2018 8:58
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Sep 11 01:55:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 01:47:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	695254	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	995320	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	880611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	421161	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	145716	18.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.66%	
35) Dibromofluoromethane	7.59	113	144407	19.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.62%	
50) Toluene-d8	10.09	98	532914	18.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.56%	
62) 4-Bromofluorobenzene	12.40	95	169866	18.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	126231	18.827	ug/l	99
3) Chloromethane	2.06	50	176760	18.521	ug/l	99
4) Vinyl Chloride	2.18	62	176363	19.163	ug/l	99
5) Bromomethane	2.56	94	101669	16.486	ug/l	100
6) Chloroethane	2.70	64	106733	18.790	ug/l	99
7) Trichlorofluoromethane	3.01	101	234246	19.208	ug/l	99
8) Diethyl Ether	3.41	74	88815	19.802	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	151113	19.223	ug/l	99
10) Methyl Iodide	3.95	142	112607	16.767	ug/l	99
11) Tert butyl alcohol	4.79	59	59997	101.522	ug/l #	84
12) 1,1-Dichloroethene	3.73	96	139817	18.853	ug/l	97
13) Acrolein	3.61	56	74509	110.524	ug/l	99
14) Allyl chloride	4.32	41	219061	19.387	ug/l	100
15) Acrylonitrile	4.99	53	262967	100.420	ug/l	100
16) Acetone	3.82	43	214466	99.772	ug/l	99
17) Carbon Disulfide	4.05	76	424293	17.388	ug/l	99
18) Methyl Acetate	4.33	43	116659	18.828	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	387745	21.768	ug/l	99
20) Methylene Chloride	4.55	84	161949	18.949	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	150596	18.722	ug/l	98
22) Diisopropyl ether	5.95	45	463447	20.663	ug/l	99
23) Vinyl Acetate	5.90	43	1524570	100.445	ug/l	99
24) 1,1-Dichloroethane	5.85	63	276266	19.415	ug/l	99
25) 2-Butanone	6.84	43	304435	100.078	ug/l	99
26) 2,2-Dichloropropane	6.82	77	222517	19.105	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	168421	19.085	ug/l	99
28) Bromochloromethane	7.19	49	125056	19.744	ug/l	100
29) Tetrahydrofuran	7.21	42	196112	103.236	ug/l	99
30) Chloroform	7.37	83	277024	19.569	ug/l	99
31) Cyclohexane	7.65	56	249987	17.371	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	237439	19.684	ug/l	99
36) 1,1-Dichloropropene	7.79	75	208940	19.120	ug/l	98
37) Ethyl Acetate	6.93	43	130670	20.647	ug/l	99
38) Carbon Tetrachloride	7.77	117	209126	19.444	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	231849	19.230	ug/l	99
40) Benzene	8.04	78	650081	19.742	ug/l	99
41) Methacrylonitrile	7.18	41	63836	19.549	ug/l	97
42) 1,2-Dichloroethane	8.13	62	188855	19.677	ug/l	100
43) Isopropyl Acetate	8.17	43	228851	20.493	ug/l	99
44) Trichloroethene	8.83	130	173076	19.216	ug/l	100
45) 1,2-Dichloropropane	9.12	63	168332	19.784	ug/l	100
46) Dibromomethane	9.21	93	102223	19.691	ug/l	98
47) Bromodichloromethane	9.40	83	208443	19.747	ug/l	98
48) Methyl methacrylate	9.20	41	109174	20.061	ug/l	99
49) 1,4-Dioxane	9.20	88	36017	422.051	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	648990	105.091	ug/l	99
52) Toluene	10.16	92	397875	19.815	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	206036	19.502	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	243476	19.655	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	144274	19.780	ug/l	98
56) Ethyl methacrylate	10.43	69	177167	20.295	ug/l	100
57) 1,3-Dichloropropane	10.71	76	241285	19.953	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	352052	98.673	ug/l	100
59) 2-Hexanone	10.75	43	429688	102.597	ug/l	99
60) Dibromochloromethane	10.90	129	160124	19.477	ug/l	99
61) 1,2-Dibromoethane	11.01	107	140168	19.659	ug/l	99
64) Tetrachloroethene	10.63	164	157618	19.615	ug/l	98
65) Chlorobenzene	11.43	112	428695	19.313	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	158761	19.865	ug/l	99
67) Ethyl Benzene	11.51	91	711190	19.784	ug/l	100
68) m/p-Xylenes	11.62	106	556927	40.322	ug/l	99
69) o-Xylene	11.95	106	269591	20.156	ug/l	99
70) Styrene	11.96	104	426989	20.580	ug/l	100
71) Bromoform	12.13	173	112794	20.046	ug/l #	99
73) Isopropylbenzene	12.25	105	706334	19.998	ug/l	100
74) N-amyl acetate	12.07	43	176311	19.836	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	182086	19.362	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	210103	29.998	ug/l #	100
77) Bromobenzene	12.53	156	179524	18.924	ug/l	99
78) n-propylbenzene	12.59	91	776211	19.994	ug/l	99
79) 2-Chlorotoluene	12.67	91	472602	19.477	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	578993	20.276	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	44283	19.969	ug/l	95
82) 4-Chlorotoluene	12.77	91	468724	19.460	ug/l	100
83) tert-Butylbenzene	12.99	119	503683	19.980	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	585001	20.835	ug/l	99
85) sec-Butylbenzene	13.17	105	648585	20.061	ug/l	100
86) p-Isopropyltoluene	13.29	119	563167	20.544	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	304681	18.930	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	288910	18.213	ug/l	98
89) n-Butylbenzene	13.61	91	410834	19.256	ug/l	98
90) Hexachloroethane	13.87	117	103039	18.391	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	300915	19.187	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25128	18.309	ug/l	95

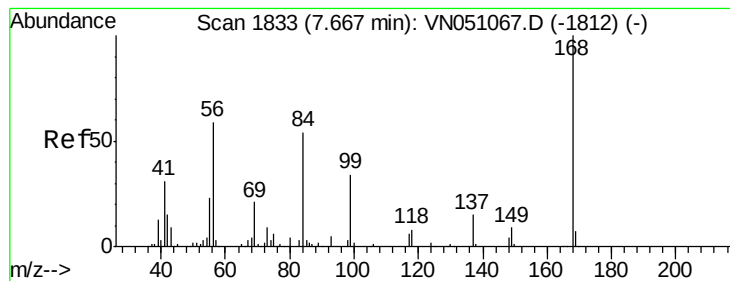
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091018\
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Quant Title : SW846 8260
QLast Update : Tue Sep 11 01:47:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	115656	17.130	ug/l	99
94) Hexachlorobutadiene	15.01	225	96564	17.474	ug/l	99
95) Naphthalene	15.13	128	220783	15.429	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	119646	17.098	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampleId :

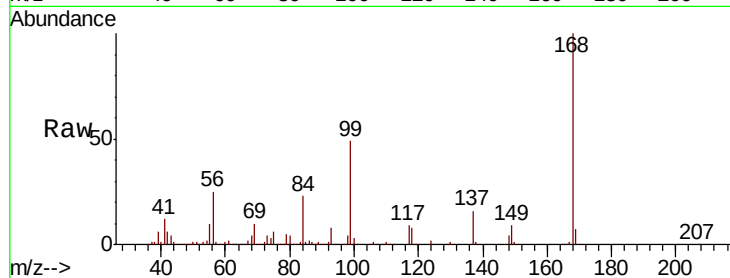
VSTDIC020

Tgt Ion:168 Resp: 695254

Ion Ratio Lower Upper

168 100

99 48.9 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

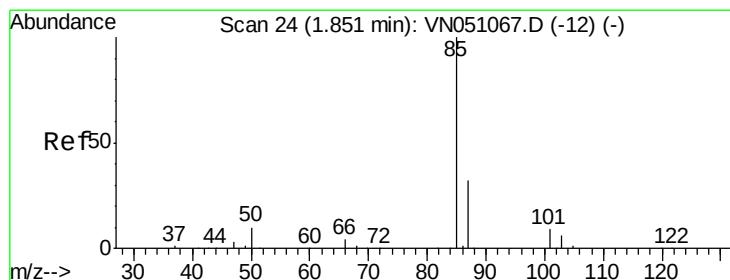
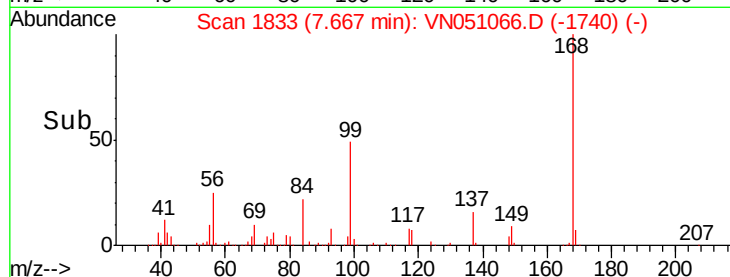
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.827 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051066.D

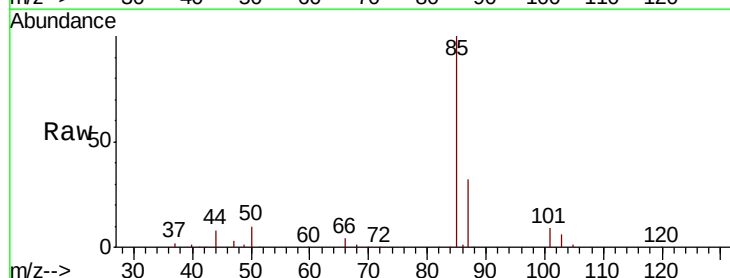
Acq: 10 Sep 2018 8:58

Tgt Ion: 85 Resp: 126231

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

60000

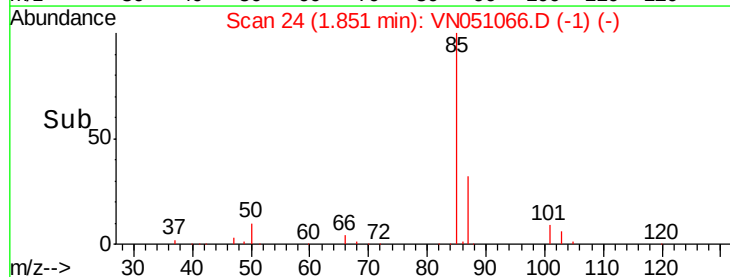
40000

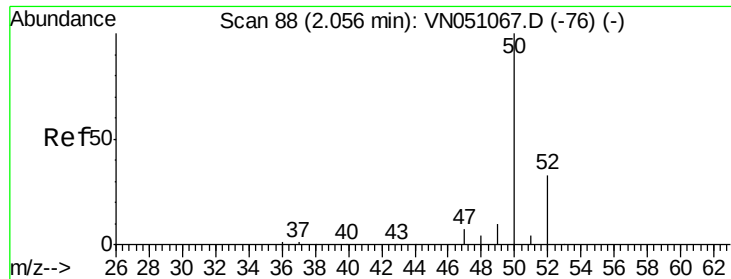
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.521 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampled :

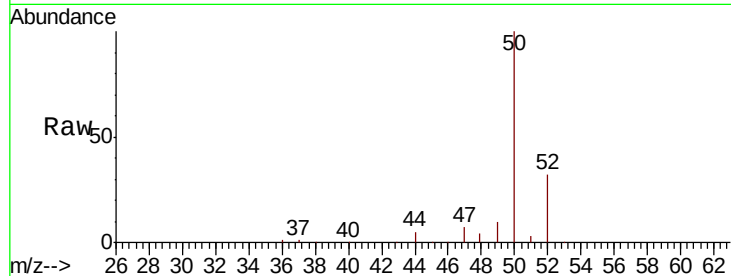
VSTDIC020

Tgt Ion: 50 Resp: 176760

Ion Ratio Lower Upper

50 100

52 31.9 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

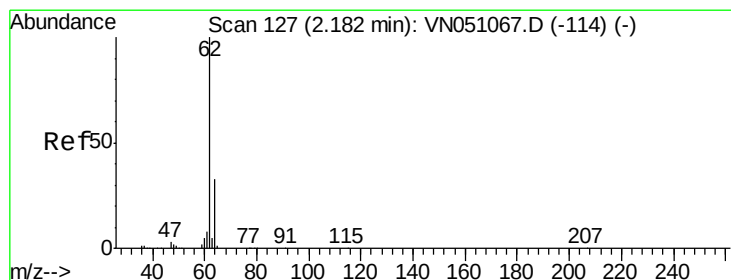
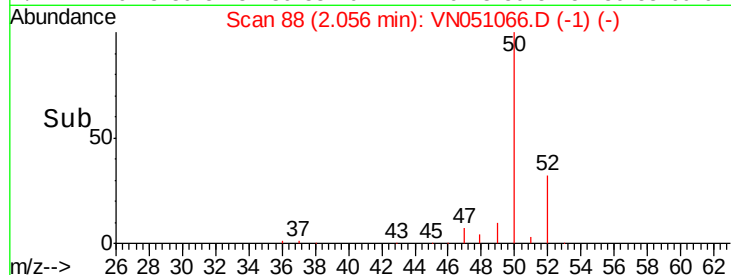
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 19.163 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051066.D

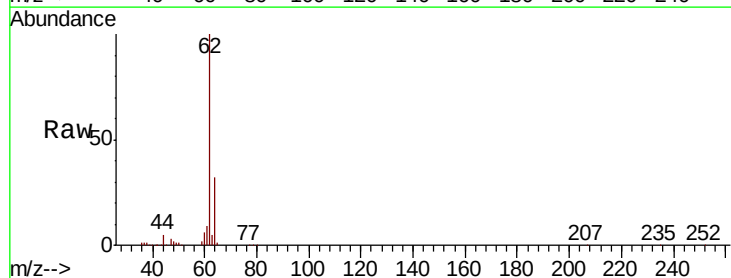
Acq: 10 Sep 2018 8:58

Tgt Ion: 62 Resp: 176363

Ion Ratio Lower Upper

62 100

64 32.2 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

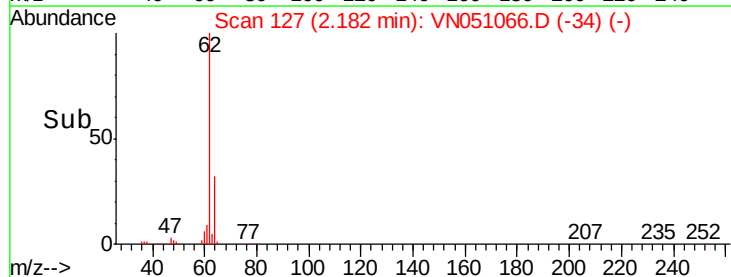
2.18

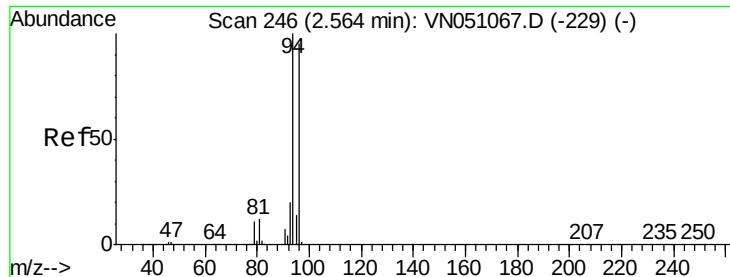
100000

50000

0

Time-->





#5

Bromomethane

Concen: 16.486 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampleId :

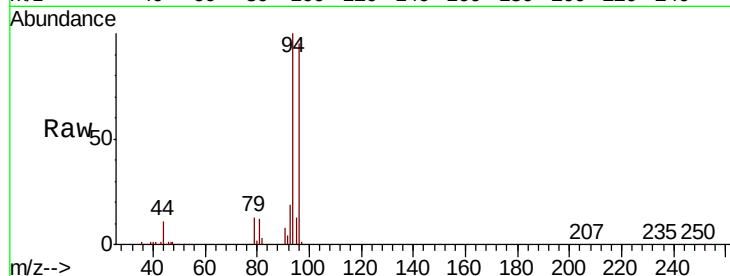
VSTDIC020

Tgt Ion: 94 Resp: 101669

Ion Ratio Lower Upper

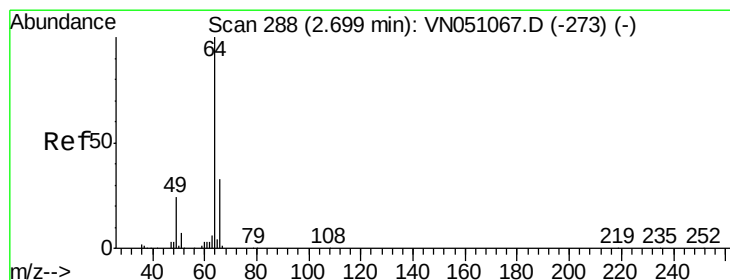
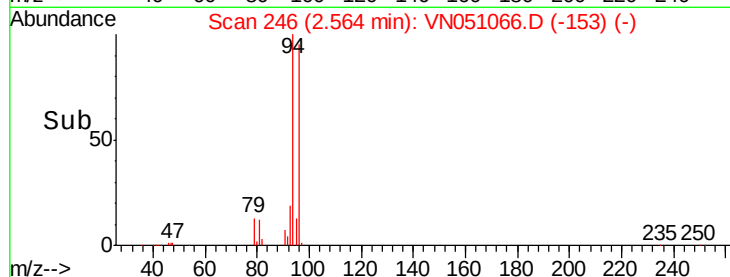
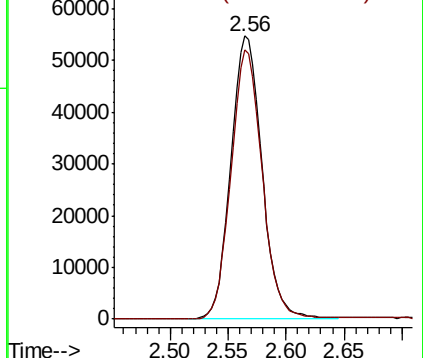
94 100

96 95.0 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.790 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051066.D

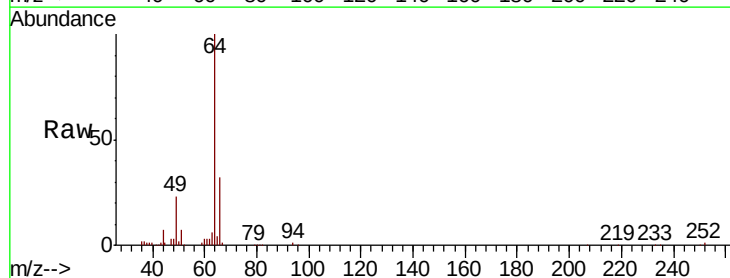
Acq: 10 Sep 2018 8:58

Tgt Ion: 64 Resp: 106733

Ion Ratio Lower Upper

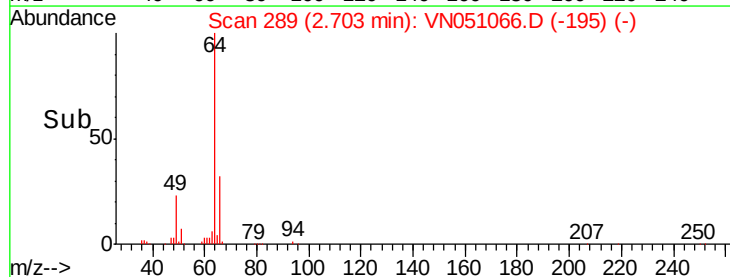
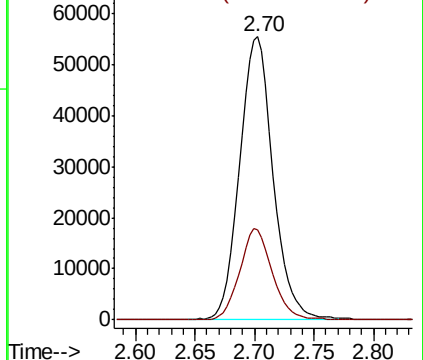
64 100

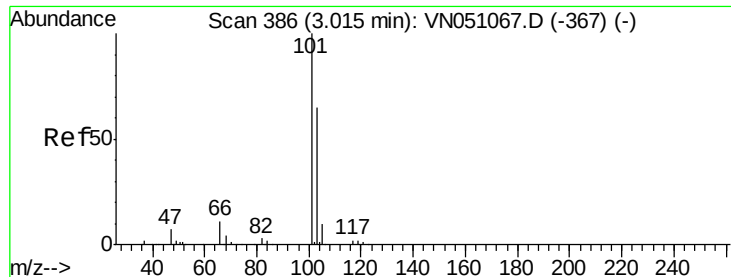
66 32.1 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



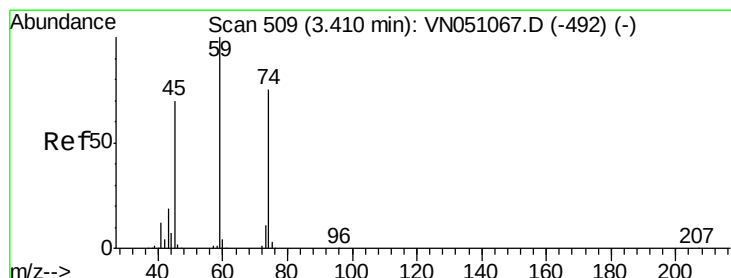
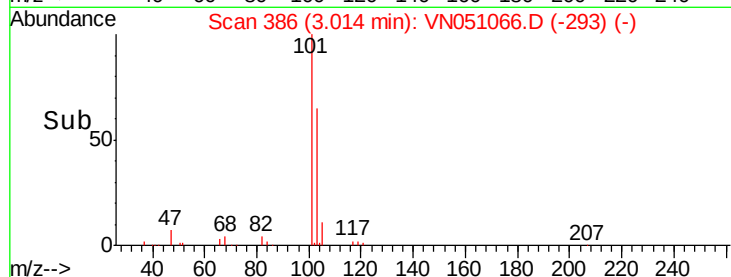
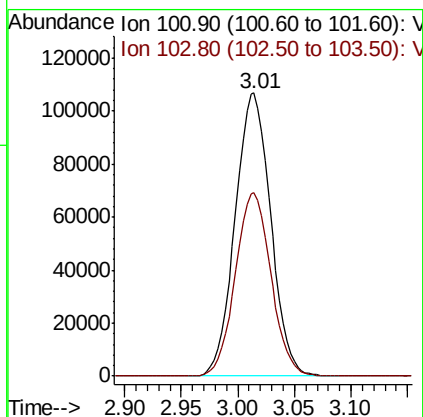
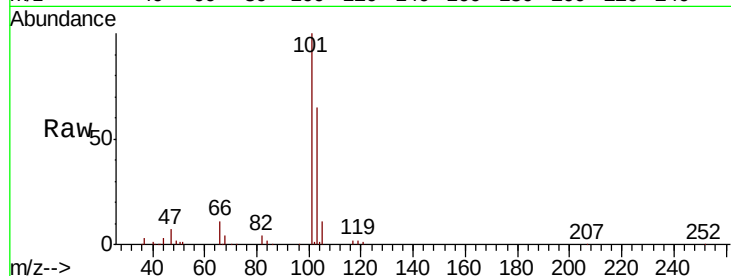


#7

Trichlorofluoromethane
 Concen: 19.208 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051066.D
 Acq: 10 Sep 2018 8:58

Instrument :
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 ClientSampleId :
 VSTDIC020

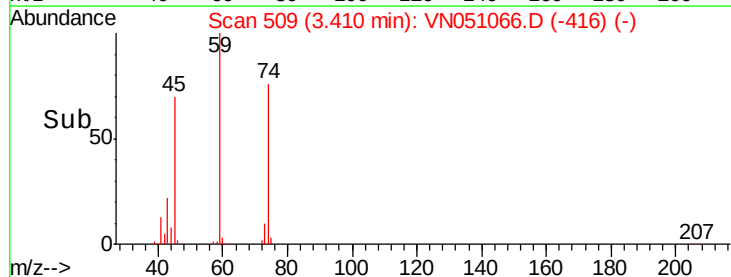
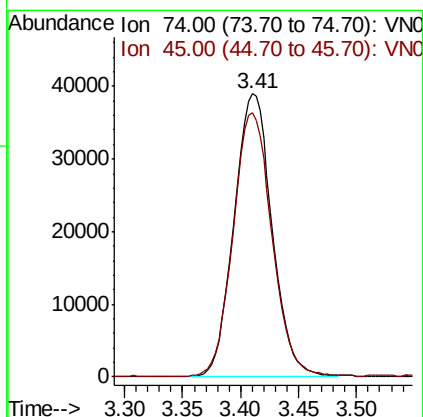
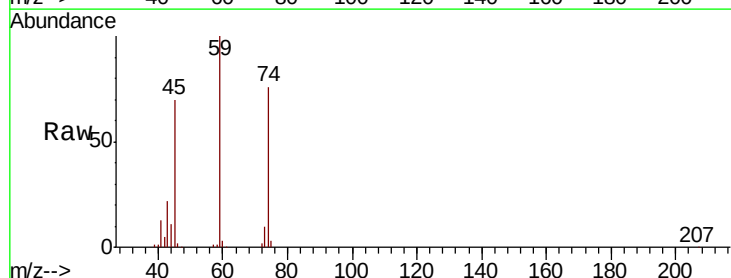
Tgt Ion: 101 Resp: 234246
 Ion Ratio Lower Upper
 101 100
 103 65.0 52.4 78.6

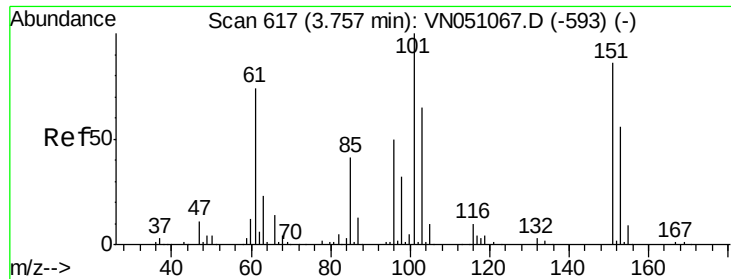


#8

Diethyl Ether
 Concen: 19.802 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051066.D
 Acq: 10 Sep 2018 8:58

Tgt Ion: 74 Resp: 88815
 Ion Ratio Lower Upper
 74 100
 45 95.3 46.7 140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.223 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

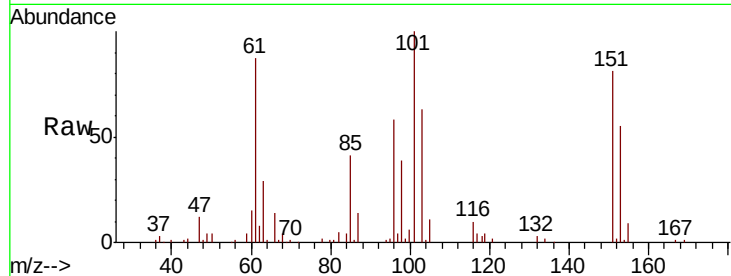
Tgt Ion:101 Resp: 151113

Ion Ratio Lower Upper

101 100

85 41.2 33.3 49.9

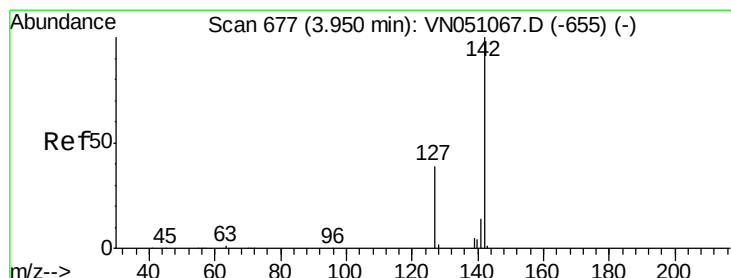
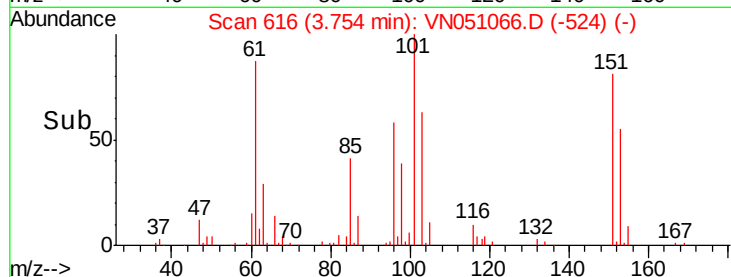
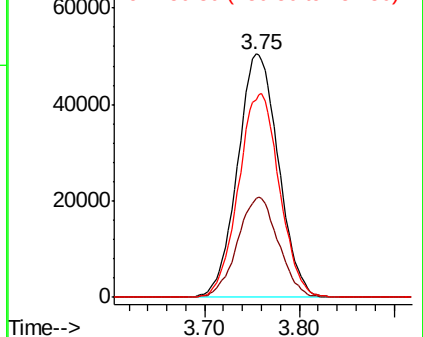
151 83.7 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.767 ug/l

RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

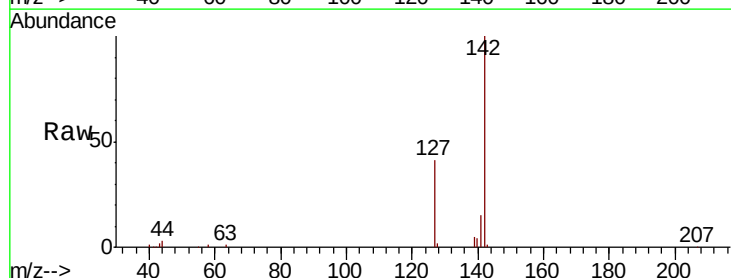
Tgt Ion:142 Resp: 112607

Ion Ratio Lower Upper

142 100

127 39.5 31.0 46.4

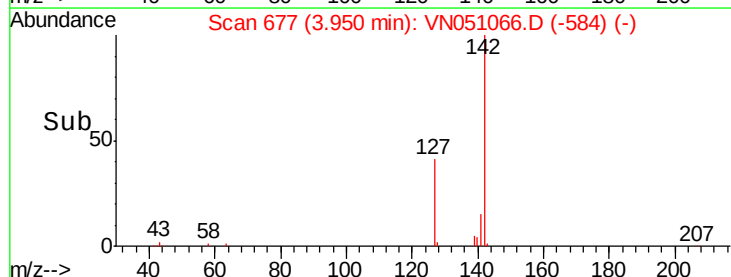
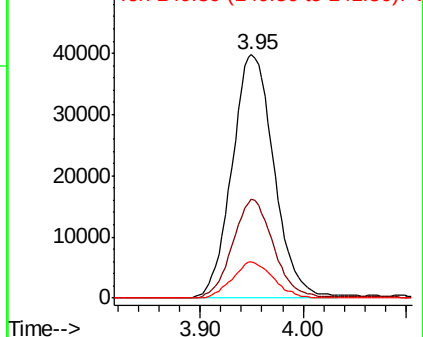
141 14.5 11.3 16.9

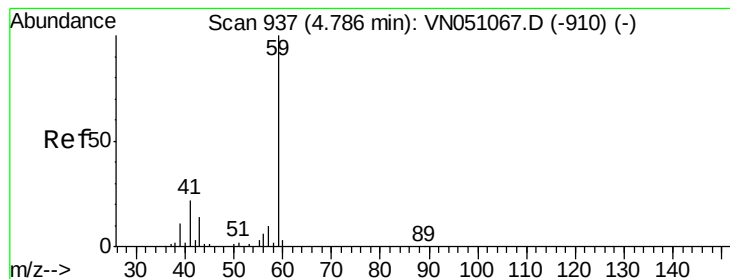


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



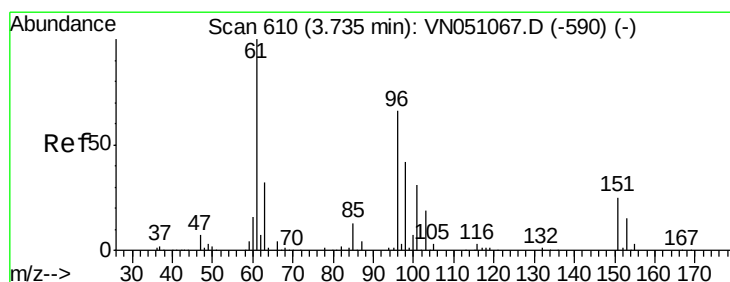
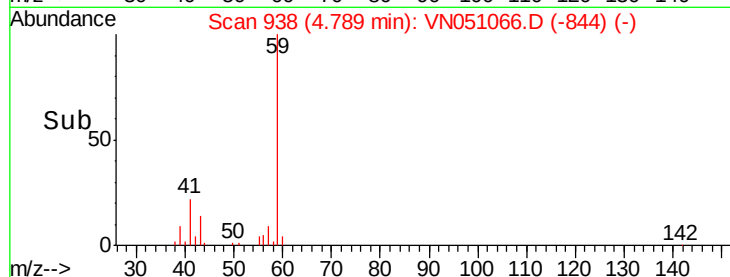
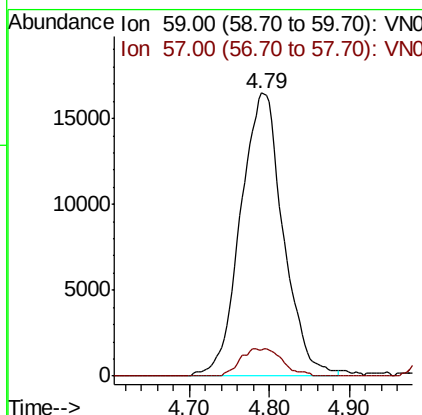
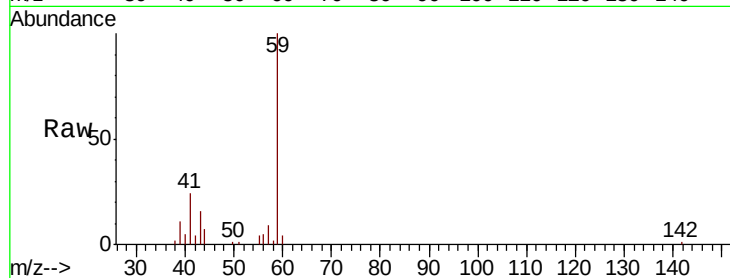


#11

Tert butyl alcohol
 Concen: 101.522 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN051066.D
 Acq: 10 Sep 2018 8:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

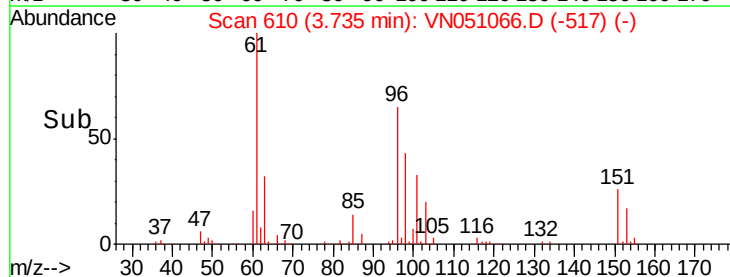
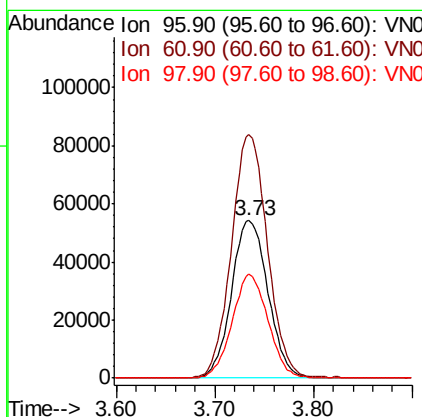
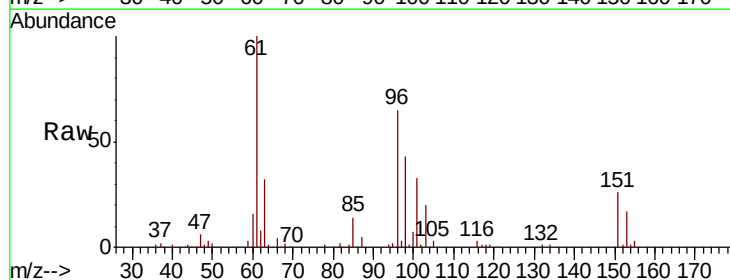
Tgt Ion: 59 Resp: 59997
 Ion Ratio Lower Upper
 59 100
 57 4.3 8.1 12.1#

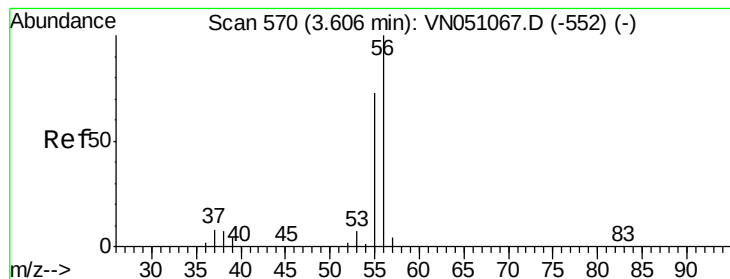


#12

1,1-Dichloroethene
 Concen: 18.853 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051066.D
 Acq: 10 Sep 2018 8:58

Tgt Ion: 96 Resp: 139817
 Ion Ratio Lower Upper
 96 100
 61 154.3 120.3 180.5
 98 65.9 50.8 76.2





#13

Acrolein

Concen: 110.524 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampleId :

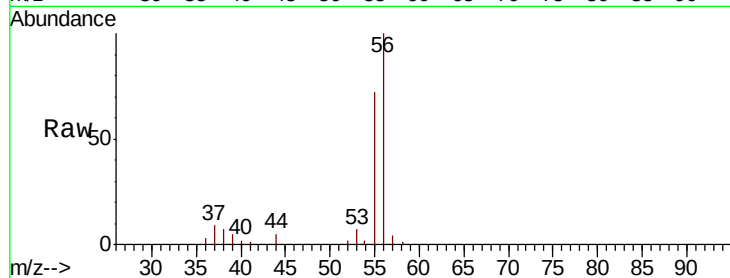
VSTDIC020

Tgt Ion: 56 Resp: 74509

Ion Ratio Lower Upper

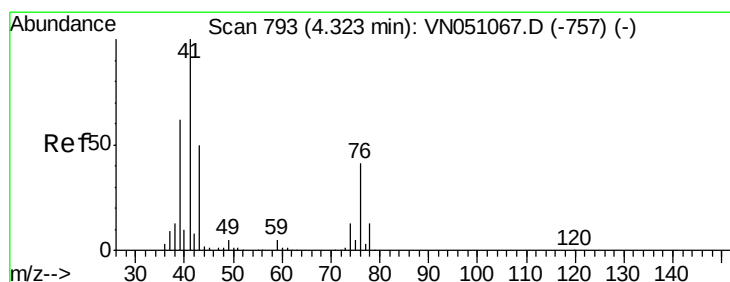
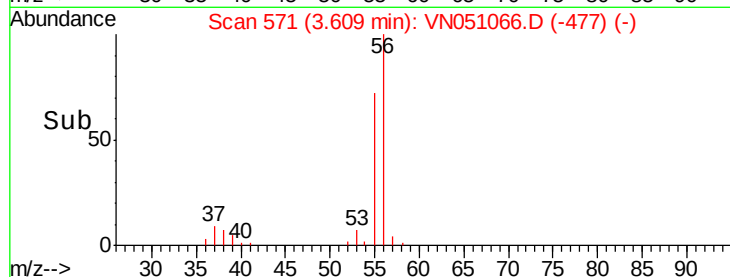
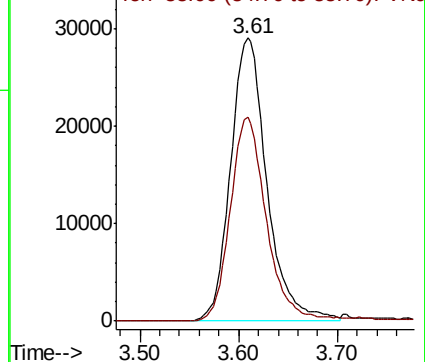
56 100

55 71.6 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.387 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

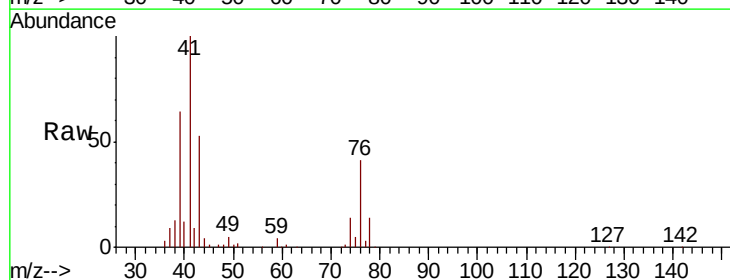
Tgt Ion: 41 Resp: 219061

Ion Ratio Lower Upper

41 100

39 60.8 48.8 73.2

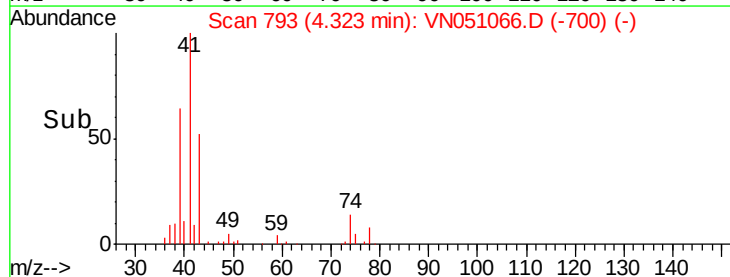
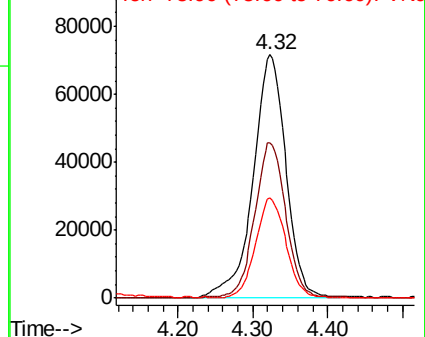
76 38.4 30.6 45.8

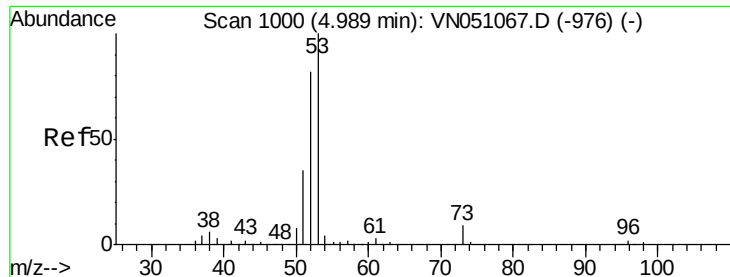


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 100.420 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

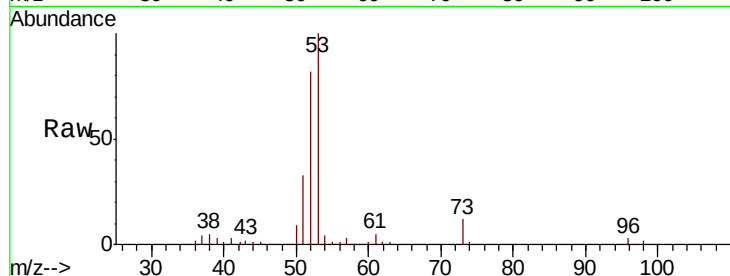
Tgt Ion: 53 Resp: 262967

Ion Ratio Lower Upper

53 100

52 81.5 65.3 97.9

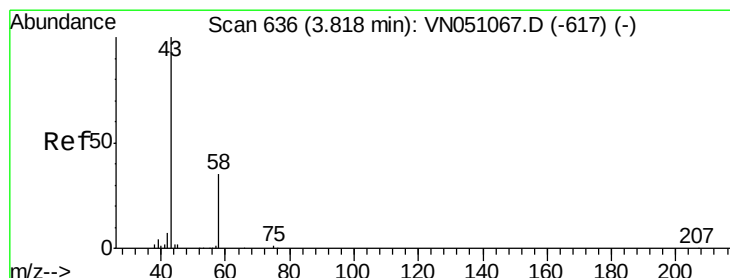
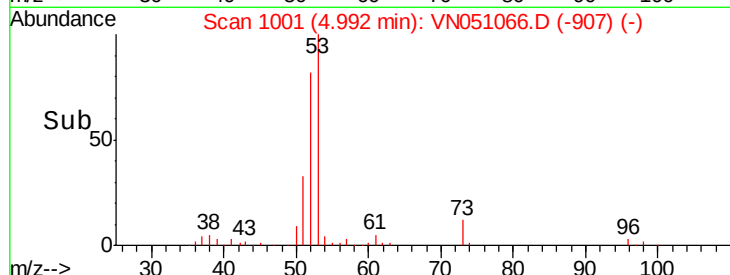
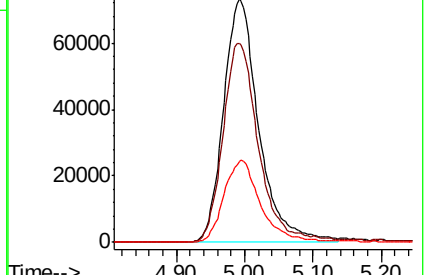
51 34.9 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VN051066.D (-976) (-)

Ion 52.00 (51.70 to 52.70): VN051066.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VN051066.D (-976) (-)



#16

Acetone

Concen: 99.772 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051066.D

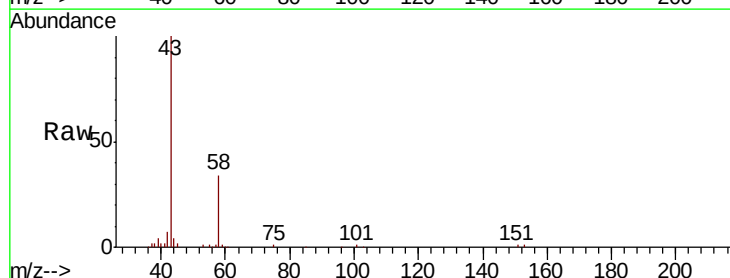
Acq: 10 Sep 2018 8:58

Tgt Ion: 43 Resp: 214466

Ion Ratio Lower Upper

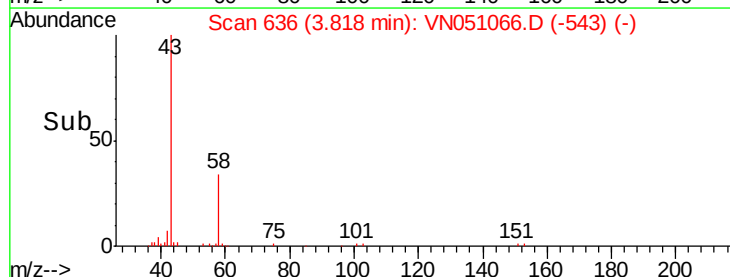
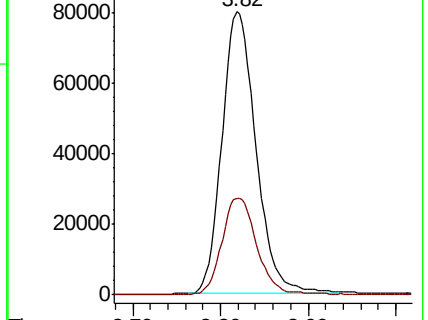
43 100

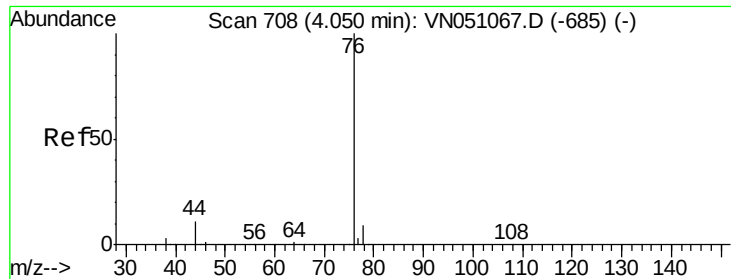
58 34.3 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN051066.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN051066.D (-543) (-)

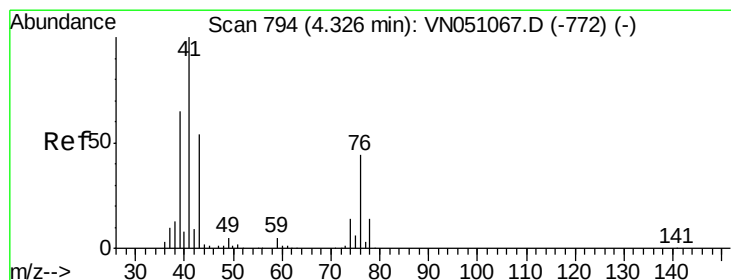
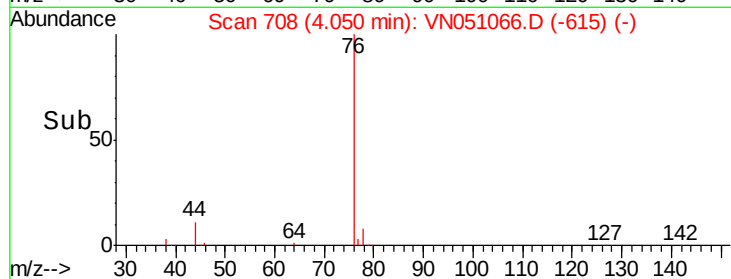
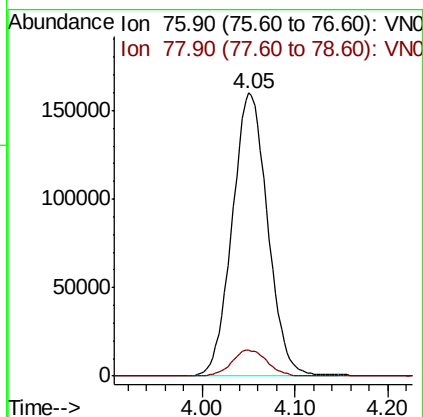
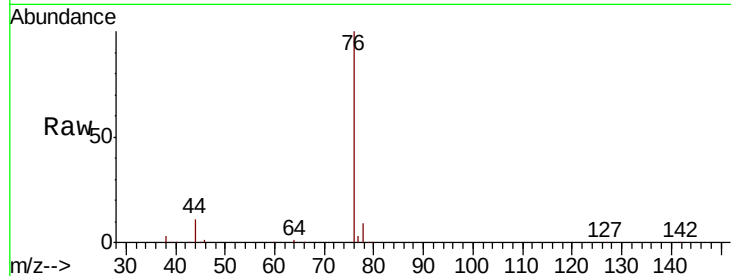




#17
Carbon Disulfide
Concen: 17.388 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN051066.D
Acq: 10 Sep 2018 8:58

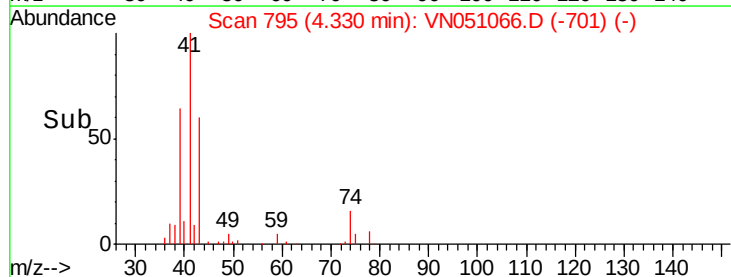
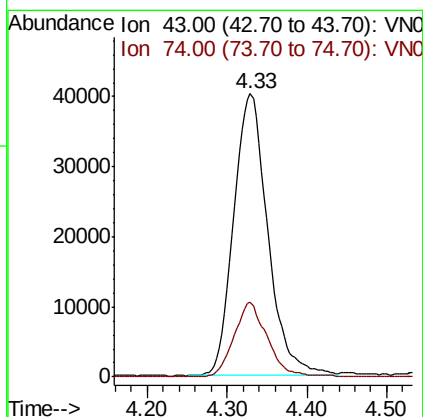
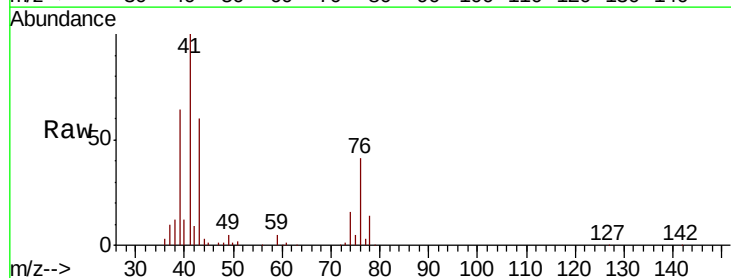
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

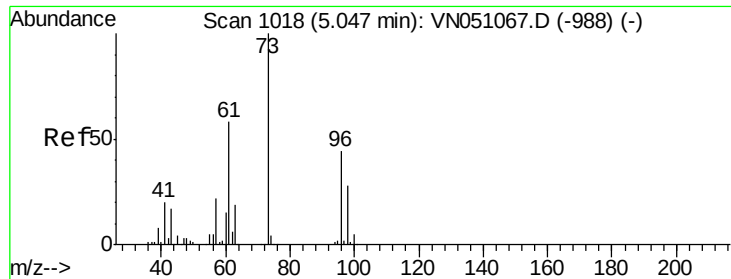
Tgt Ion: 76 Resp: 424293
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 18.828 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051066.D
Acq: 10 Sep 2018 8:58

Tgt Ion: 43 Resp: 116659
Ion Ratio Lower Upper
43 100
74 25.7 20.7 31.1





#19

Methyl tert-butyl Ether

Concen: 21.768 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampleId :

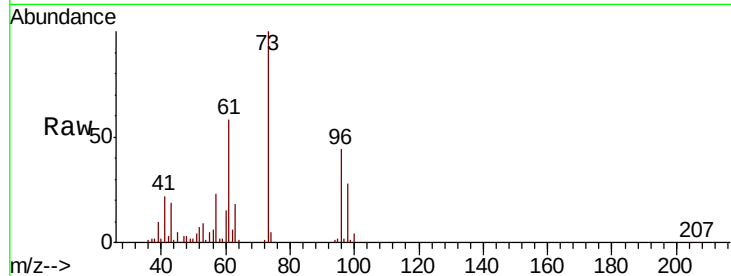
VSTDIC020

Tgt Ion: 73 Resp: 387745

Ion Ratio Lower Upper

73 100

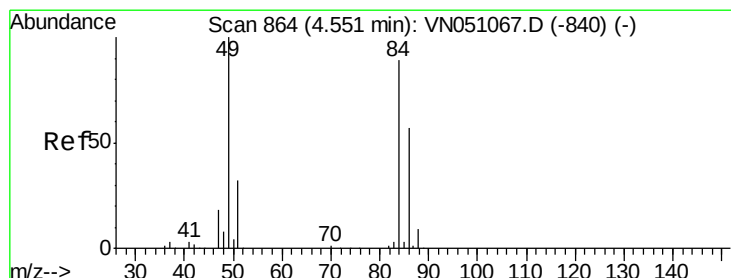
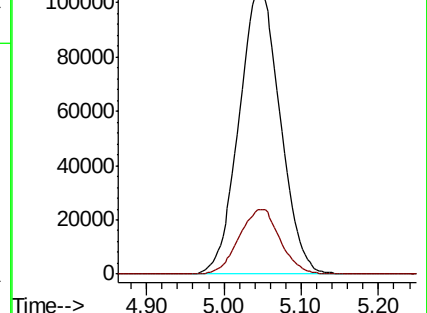
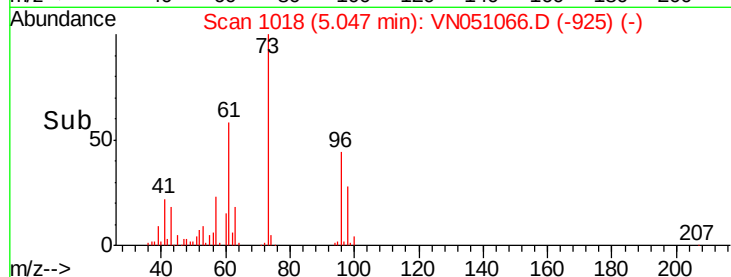
57 22.9 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VN051066.D (-925) (-)

Ion 57.00 (56.70 to 57.70): VN051066.D (-925) (-)

5.05



#20

Methylene Chloride

Concen: 18.949 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Tgt Ion: 84 Resp: 161949

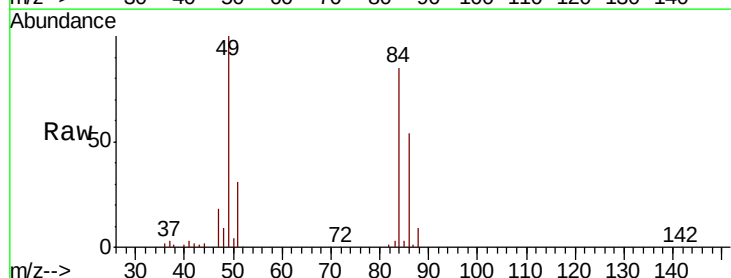
Ion Ratio Lower Upper

84 100

49 118.1 90.2 135.2

51 36.9 28.4 42.6

86 63.7 51.8 77.8

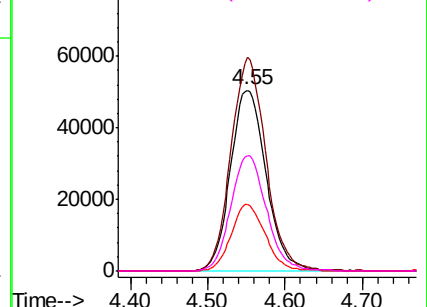
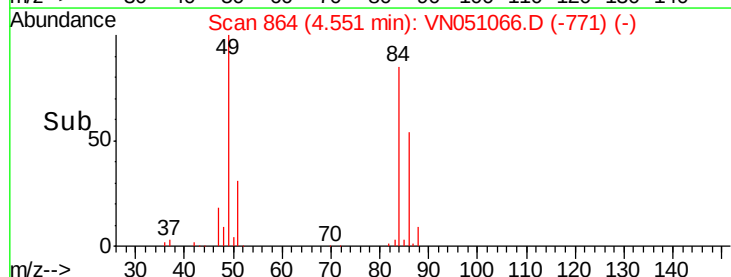


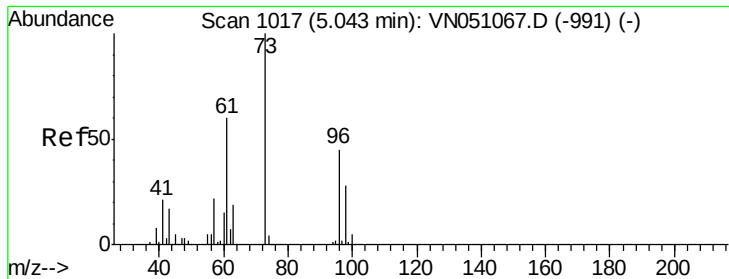
Abundance Ion 83.90 (83.60 to 84.60): VN051066.D (-771) (-)

Ion 48.90 (48.60 to 49.60): VN051066.D (-771) (-)

Ion 50.90 (50.60 to 51.60): VN051066.D (-771) (-)

Ion 85.90 (85.60 to 86.60): VN051066.D (-771) (-)





#21

trans-1,2-Dichloroethene

Concen: 18.722 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

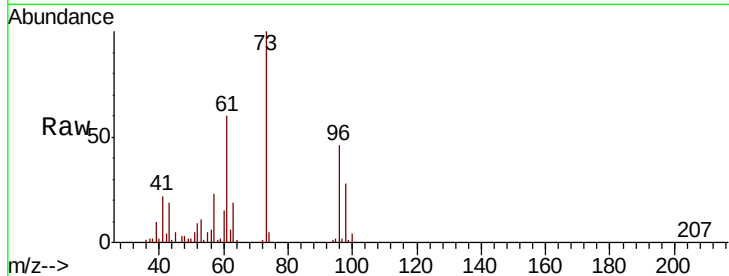
Tgt Ion: 96 Resp: 150596

Ion Ratio Lower Upper

96 100

61 131.0 106.5 159.7

98 60.6 50.4 75.6

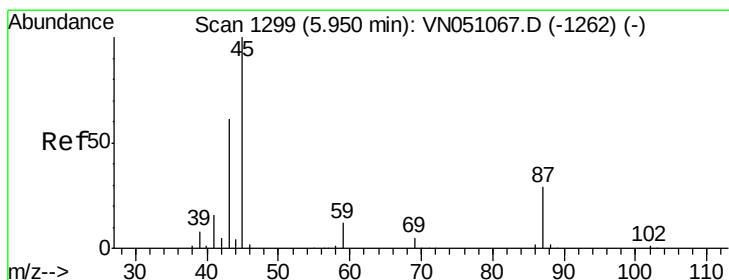
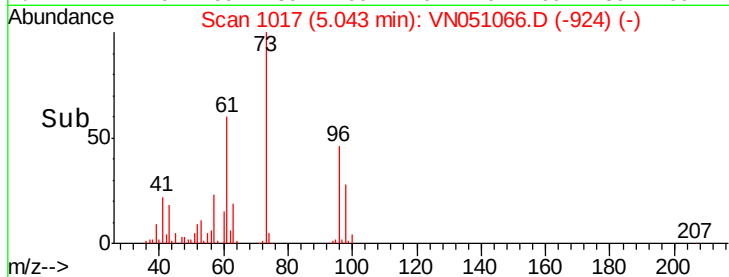
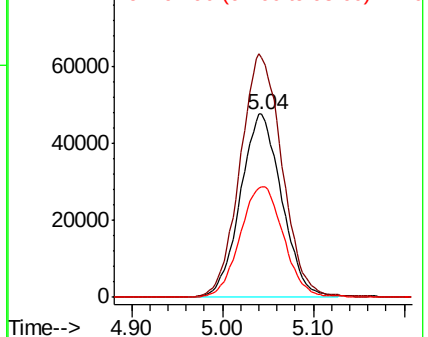


Abundance

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



#22

Diisopropyl ether

Concen: 20.663 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Tgt Ion: 45 Resp: 463447

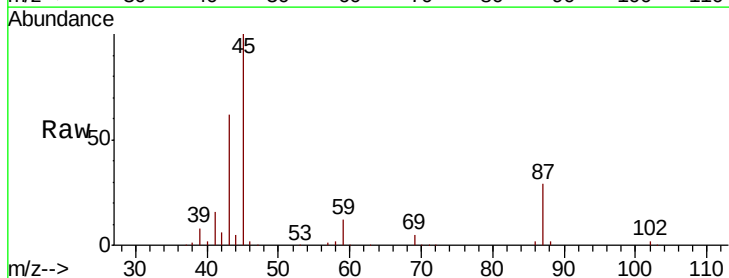
Ion Ratio Lower Upper

45 100

43 60.0 48.8 73.2

87 28.9 23.8 35.8

59 12.0 9.6 14.4



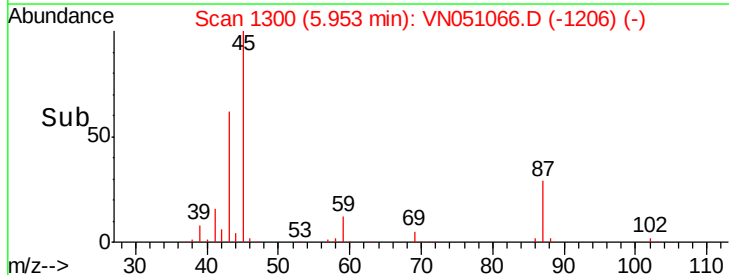
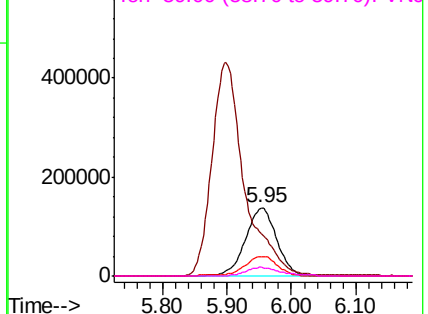
Abundance

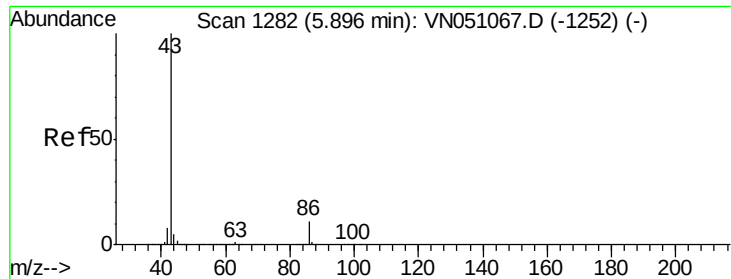
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 100.445 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampleId :

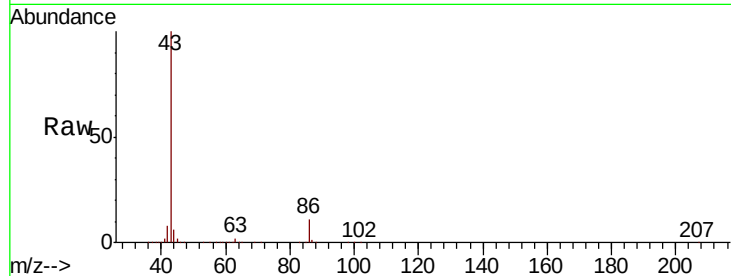
VSTDIC020

Tgt Ion: 43 Resp: 1524570

Ion Ratio Lower Upper

43 100

86 11.2 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-1252) (-)

Ion 86.00 (85.70 to 86.70): VN051067.D (-1252) (-)

5.90

400000

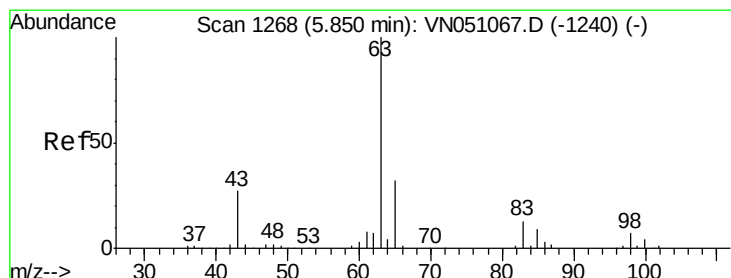
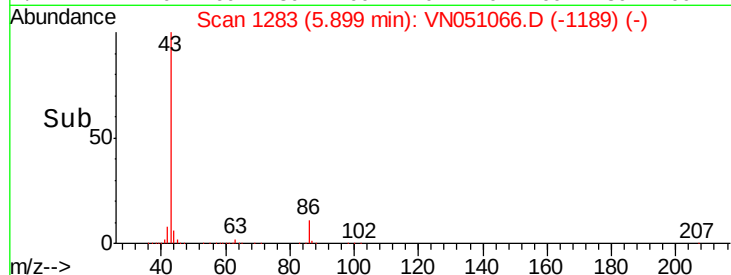
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.415 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

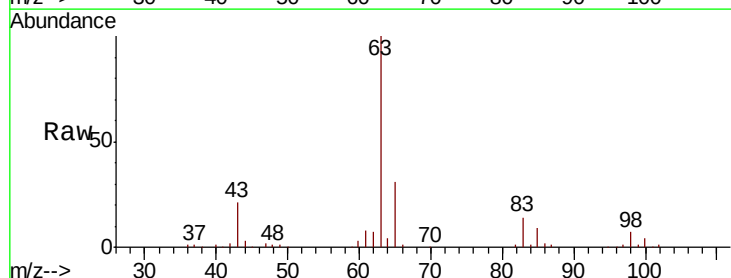
Tgt Ion: 63 Resp: 276266

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

100 4.4 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN051067.D (-1240) (-)

Ion 97.90 (97.60 to 98.60): VN051067.D (-1240) (-)

Ion 99.90 (99.60 to 100.60): VN051067.D (-1240) (-)

5.85

120000

100000

80000

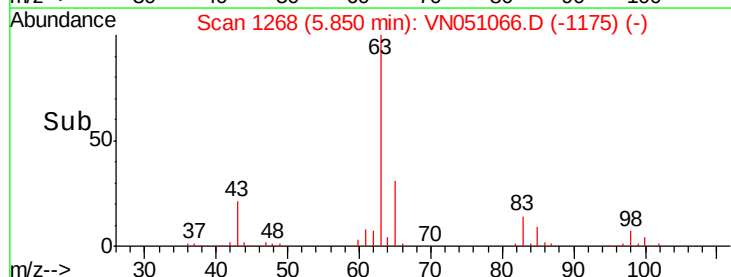
60000

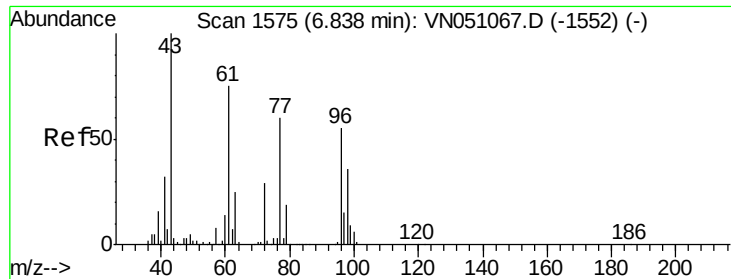
40000

20000

0

Time-->





#25

2-Butanone

Concen: 100.078 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampleId :

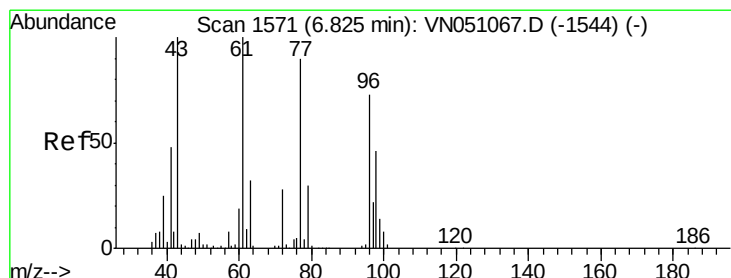
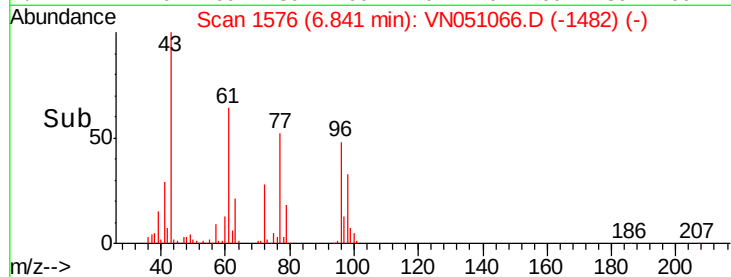
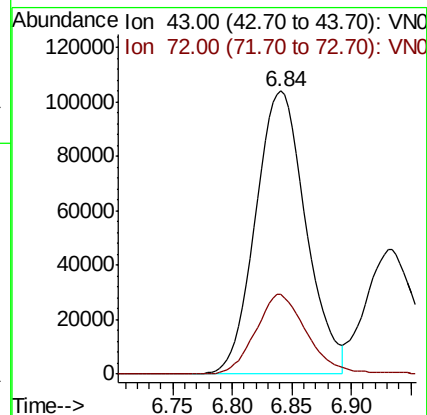
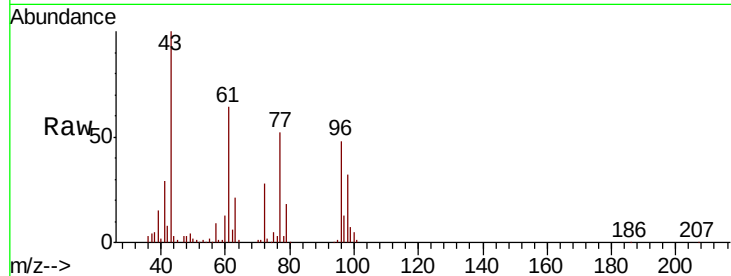
VSTDIC020

Tgt Ion: 43 Resp: 304435

Ion Ratio Lower Upper

43 100

72 28.0 23.0 34.6



#26

2,2-Dichloropropane

Concen: 19.105 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051066.D

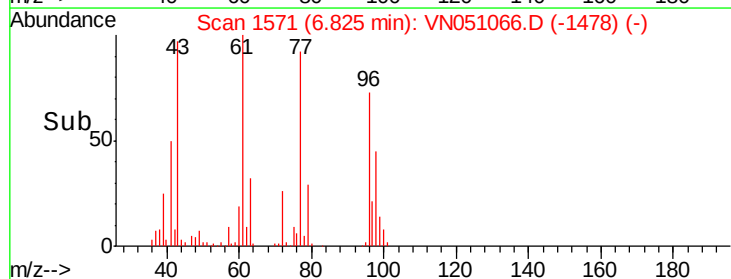
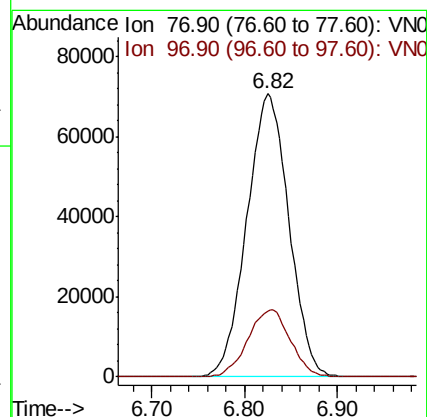
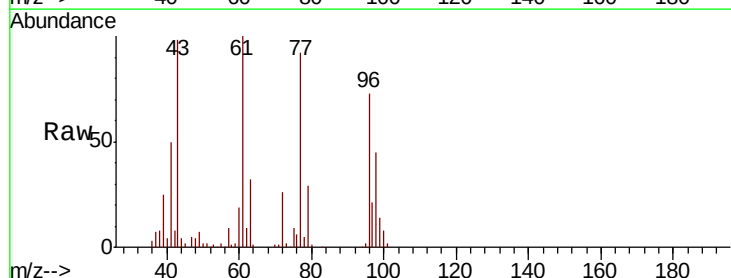
Acq: 10 Sep 2018 8:58

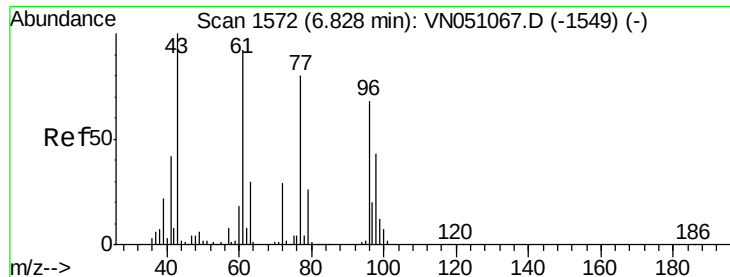
Tgt Ion: 77 Resp: 222517

Ion Ratio Lower Upper

77 100

97 23.9 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 19.085 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

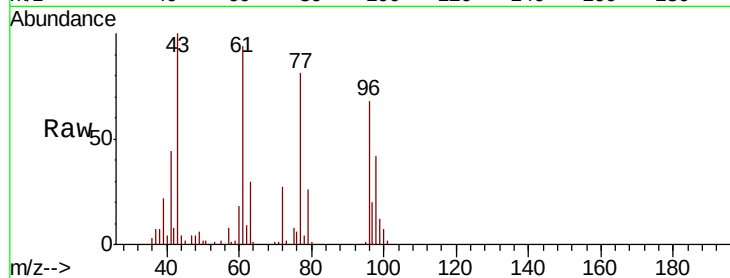
Tgt Ion: 96 Resp: 168421

Ion Ratio Lower Upper

96 100

61 138.1 0.0 278.2

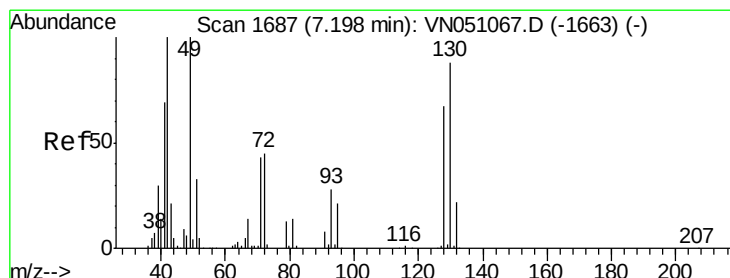
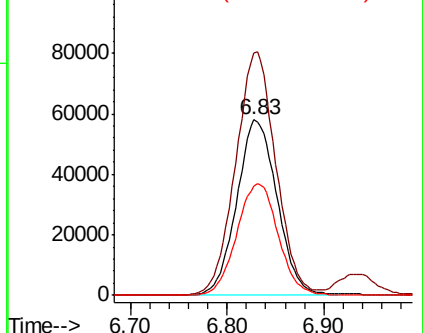
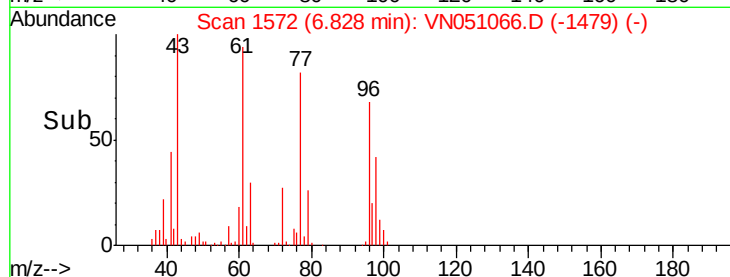
98 65.2 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN051066.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN051066.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN051066.D (-1479) (-)



#28

Bromochloromethane

Concen: 19.744 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

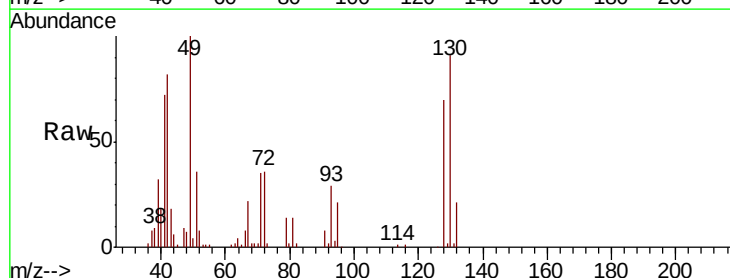
Tgt Ion: 49 Resp: 125056

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.4

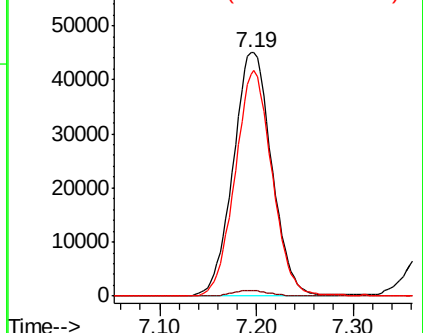
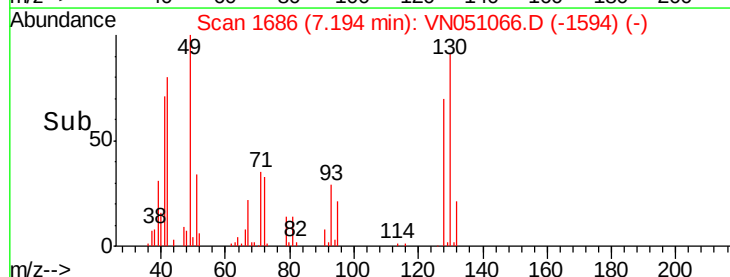
130 88.4 70.7 106.1

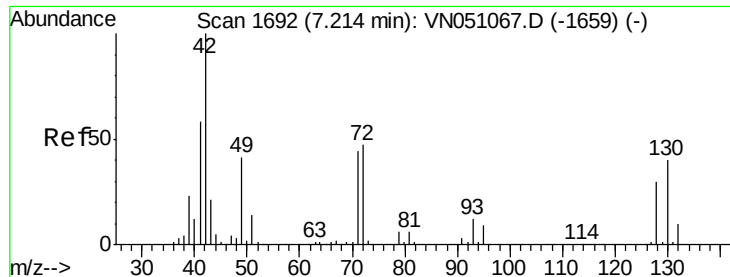


Abundance Ion 48.90 (48.60 to 49.60): VN051066.D (-1594) (-)

Ion 128.80 (128.50 to 129.50): VN051066.D (-1594) (-)

Ion 129.80 (129.50 to 130.50): VN051066.D (-1594) (-)





#29

Tetrahydrofuran

Concen: 103.236 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

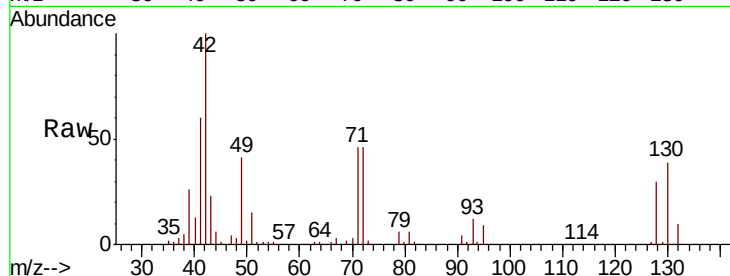
Tgt Ion: 42 Resp: 196112

Ion Ratio Lower Upper

42 100

72 46.0 37.4 56.0

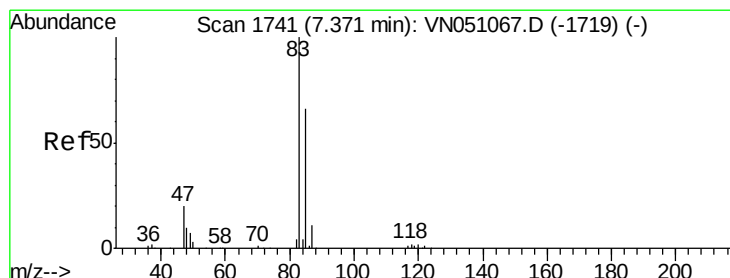
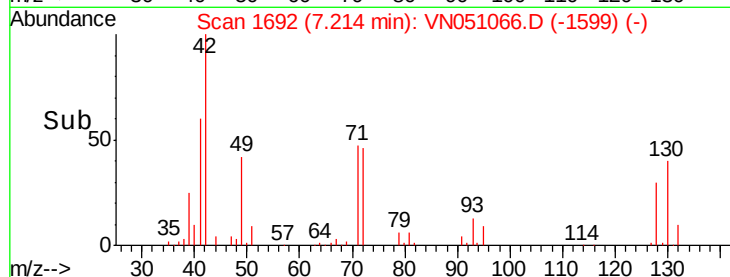
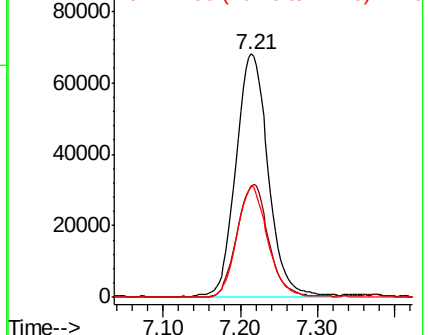
71 43.5 34.7 52.1



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: 19.569 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN051066.D

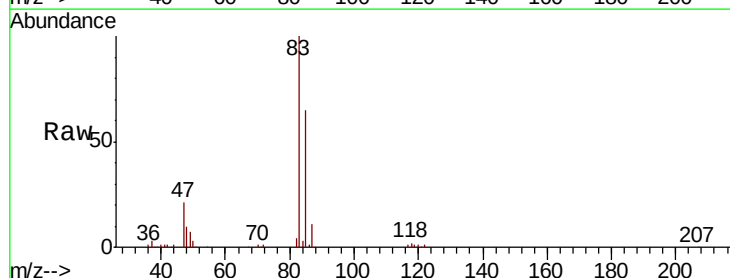
Acq: 10 Sep 2018 8:58

Tgt Ion: 83 Resp: 277024

Ion Ratio Lower Upper

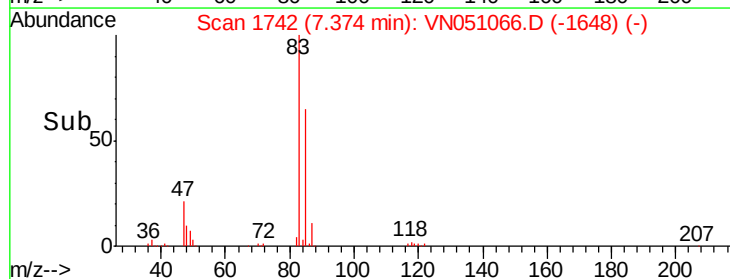
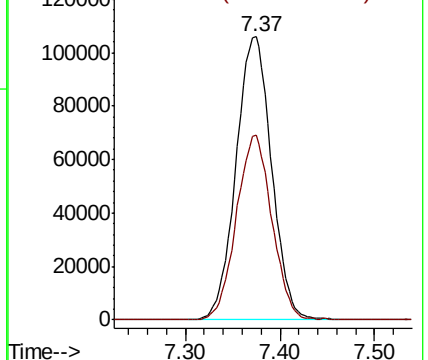
83 100

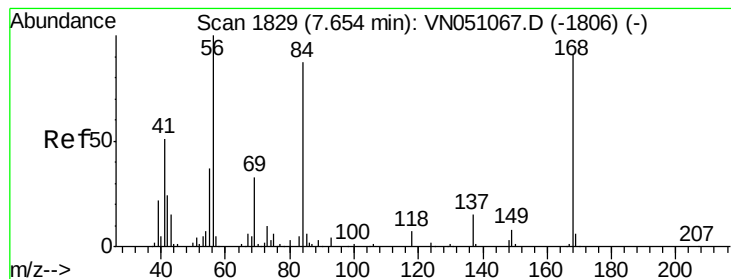
85 65.2 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 17.371 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

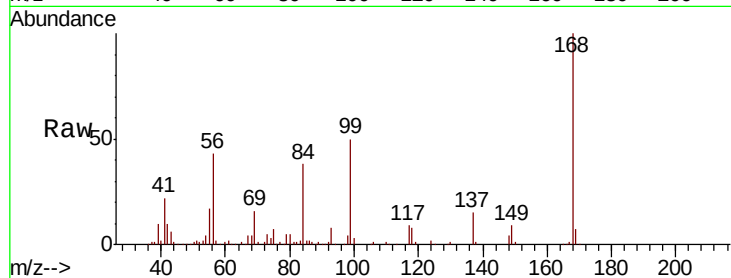
Tgt Ion: 56 Resp: 249987

Ion Ratio Lower Upper

56 100

69 36.3 26.3 39.5

84 87.6 69.4 104.0

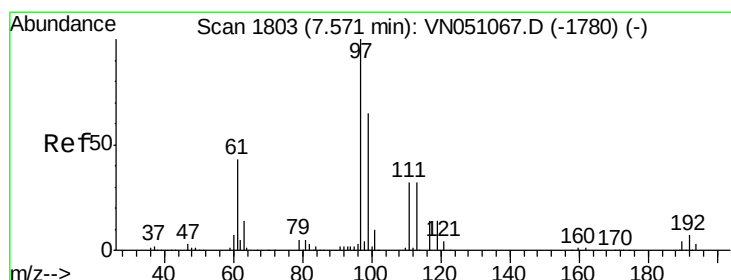
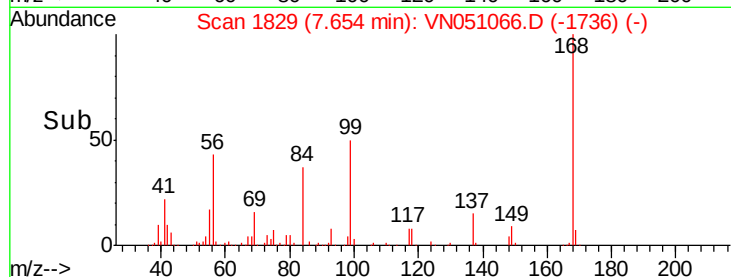
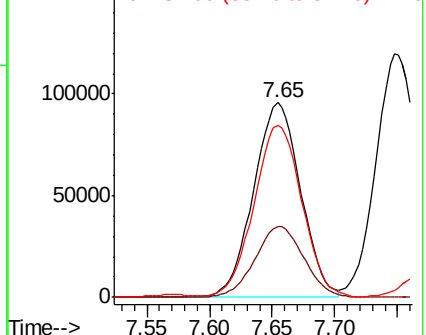


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 19.684 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

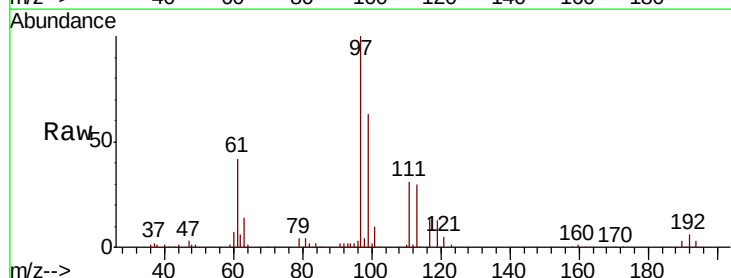
Tgt Ion: 97 Resp: 237439

Ion Ratio Lower Upper

97 100

99 63.8 51.6 77.4

61 41.5 33.8 50.6

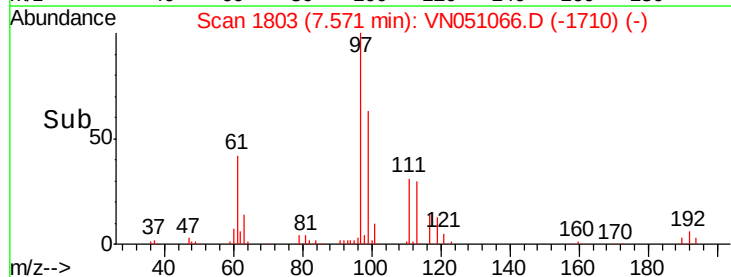
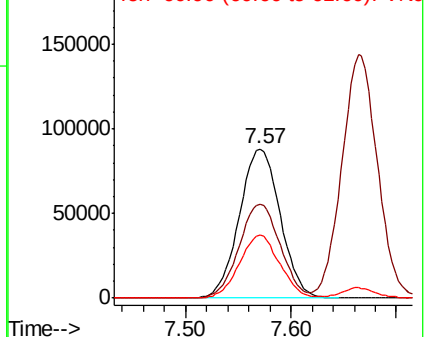


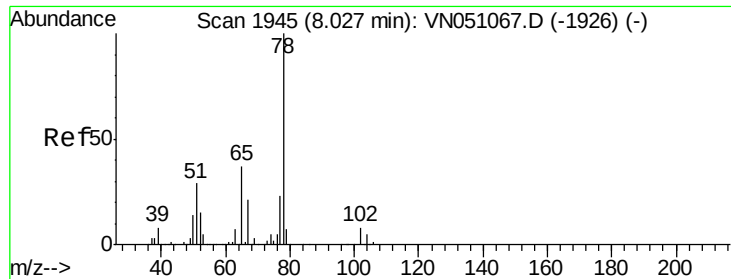
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

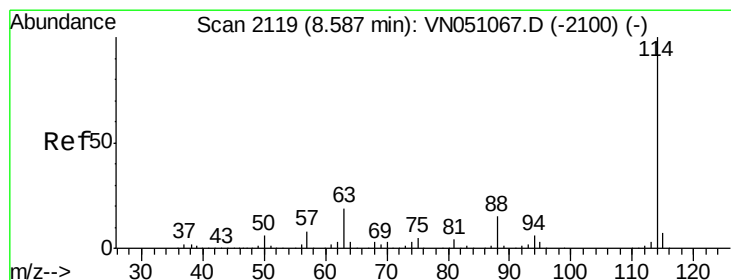
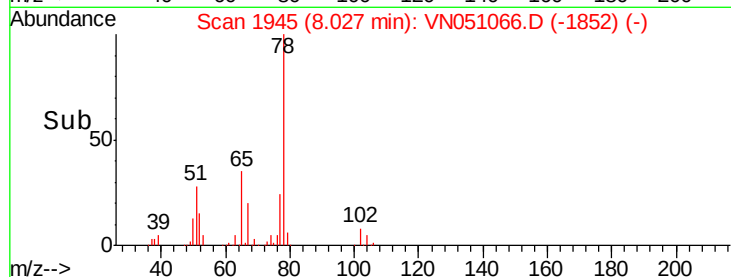
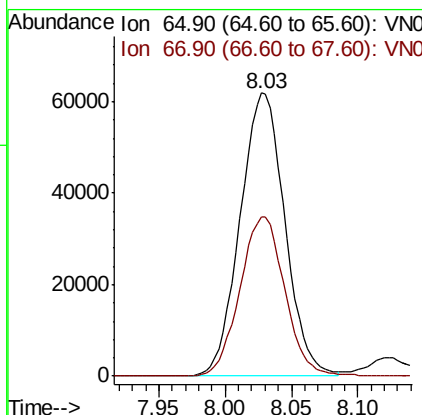
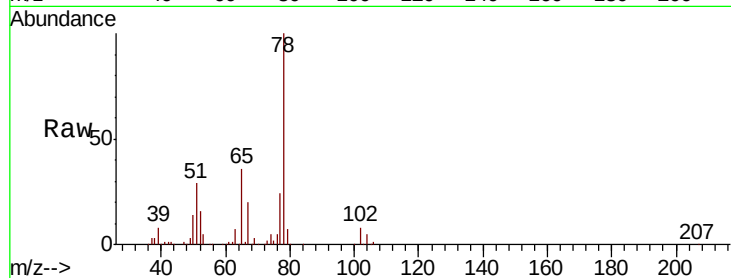




#33
 1,2-Dichloroethane-d4
 Concen: 18.833 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051066.D
 Acq: 10 Sep 2018 8:58

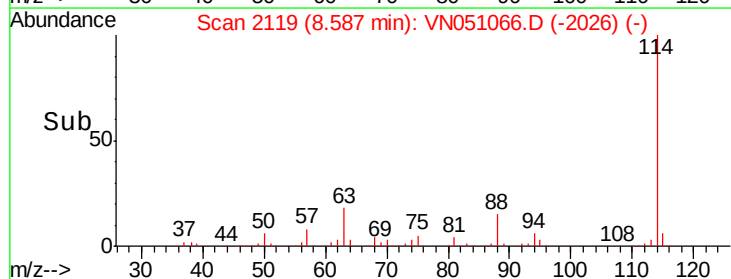
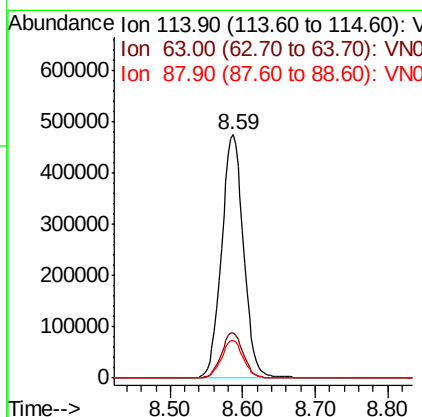
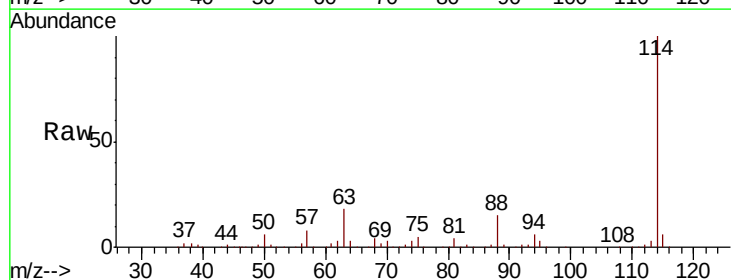
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

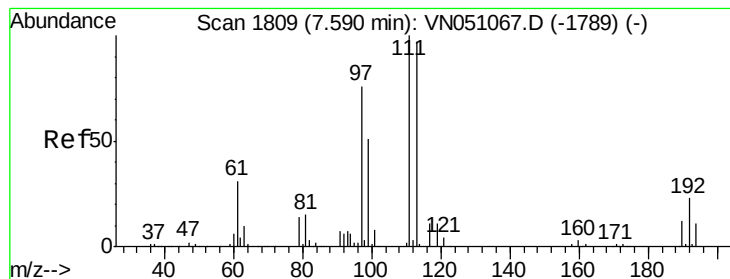
Tgt Ion: 65 Resp: 145716
 Ion Ratio Lower Upper
 65 100
 67 56.5 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051066.D
 Acq: 10 Sep 2018 8:58

Tgt Ion: 114 Resp: 995320
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 37.8
 88 15.5 0.0 30.8





#35

Dibromofluoromethane

Concen: 19.308 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

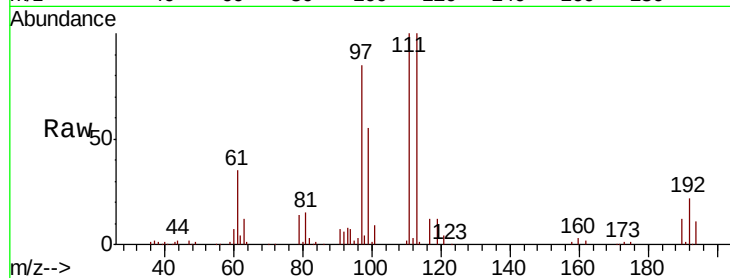
Tgt Ion: 113 Resp: 144407

Ion Ratio Lower Upper

113 100

111 99.0 83.0 124.6

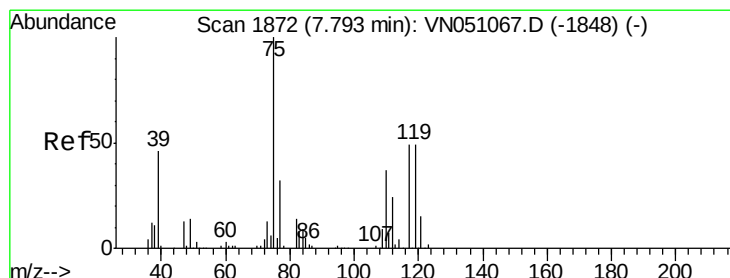
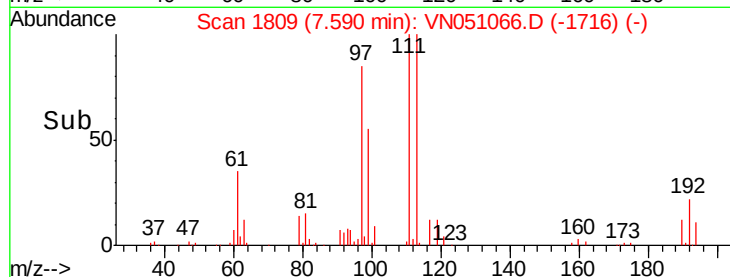
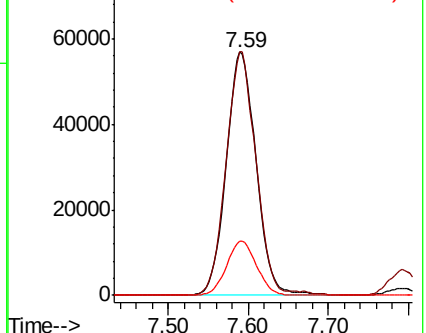
192 22.2 18.7 28.1



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



#36

1,1-Dichloropropene

Concen: 19.120 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

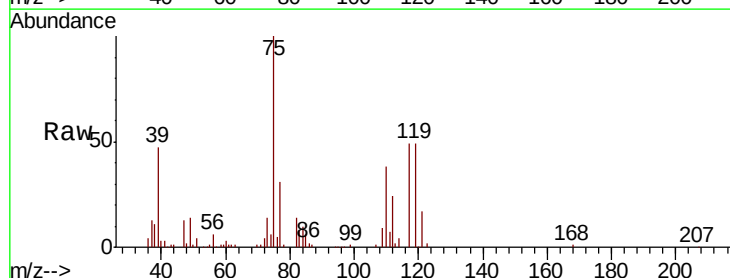
Tgt Ion: 75 Resp: 208940

Ion Ratio Lower Upper

75 100

110 38.4 18.6 55.8

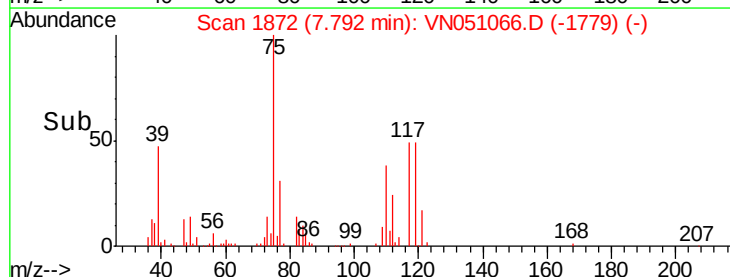
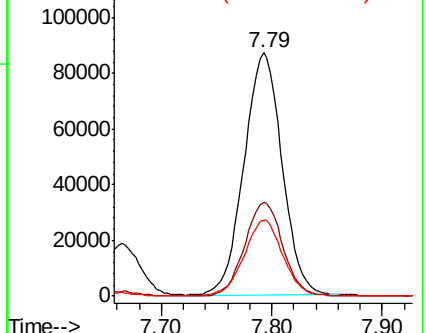
77 32.1 25.2 37.8

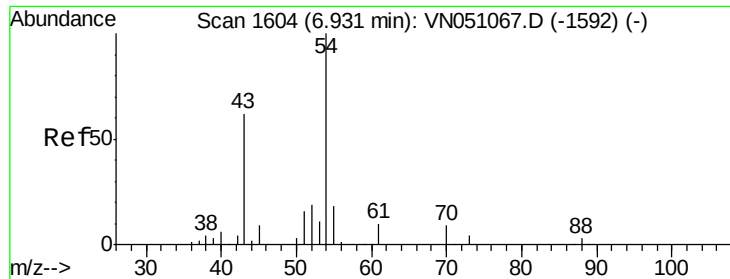


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

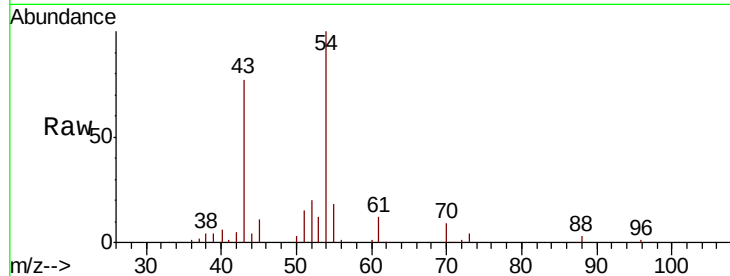




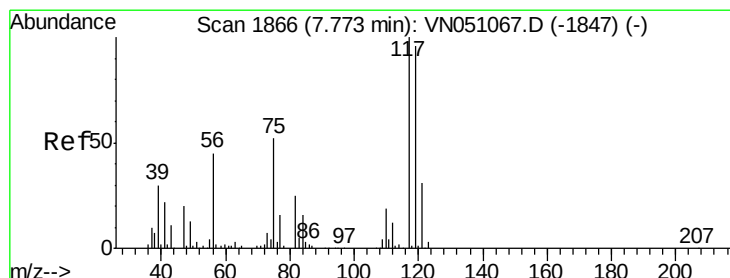
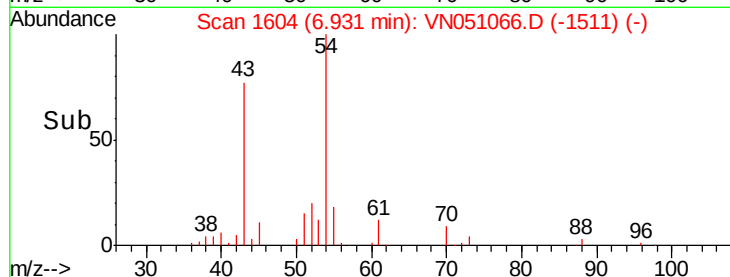
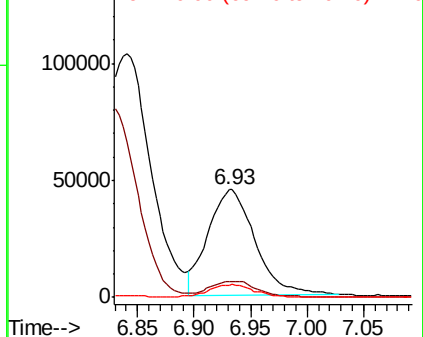
#37
Ethyl Acetate
 Concen: 20.647 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. -0.00 min
 Lab File: VN051066.D
 Acq: 10 Sep 2018 8:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 43 Resp: 130670
 Ion Ratio Lower Upper
 43 100
 61 15.2 12.4 18.6
 70 11.7 9.3 13.9

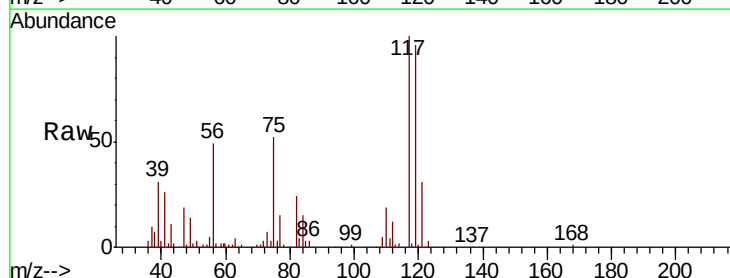


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0

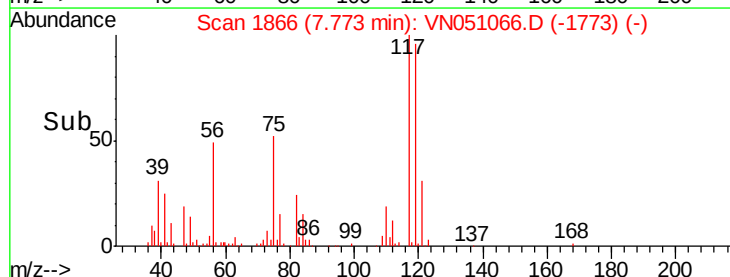
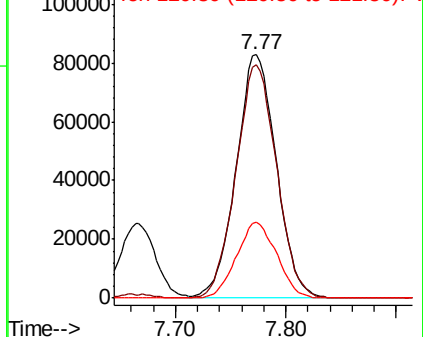


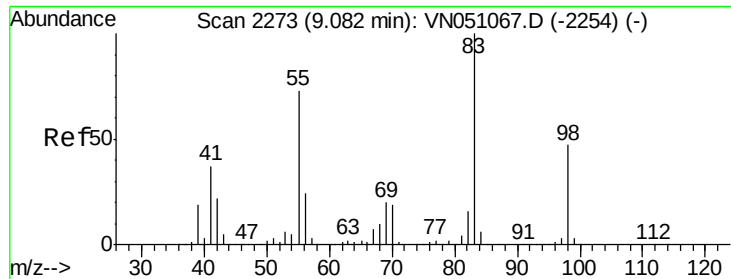
#38
Carbon Tetrachloride
 Concen: 19.444 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN051066.D
 Acq: 10 Sep 2018 8:58

Tgt Ion: 117 Resp: 209126
 Ion Ratio Lower Upper
 117 100
 119 95.6 76.8 115.2
 121 31.3 24.6 36.8



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

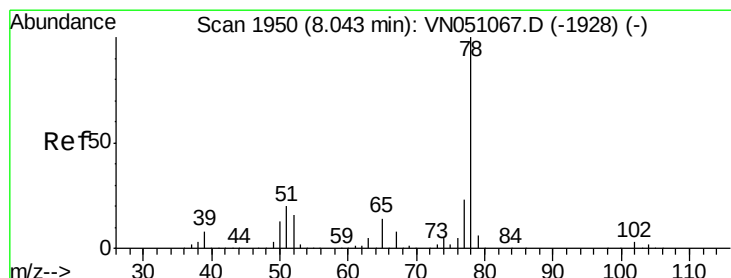
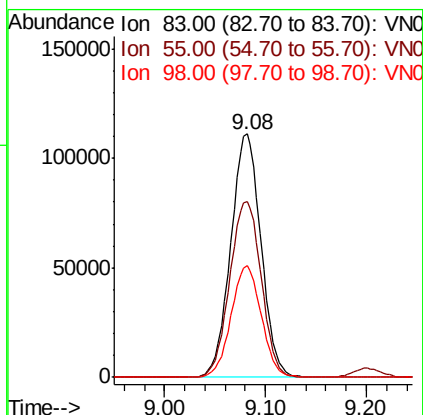
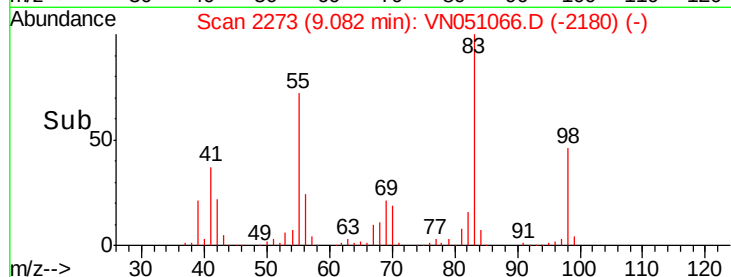
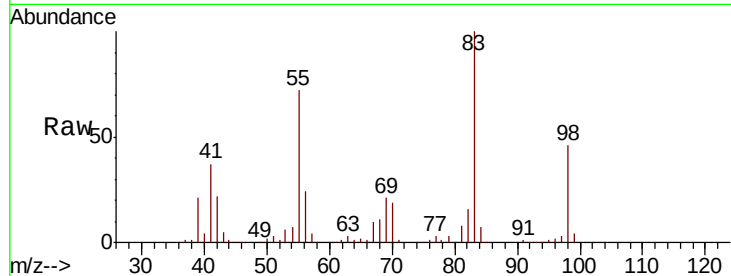




#39
Methylcyclohexane
Concen: 19.230 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051066.D
Acq: 10 Sep 2018 8:58

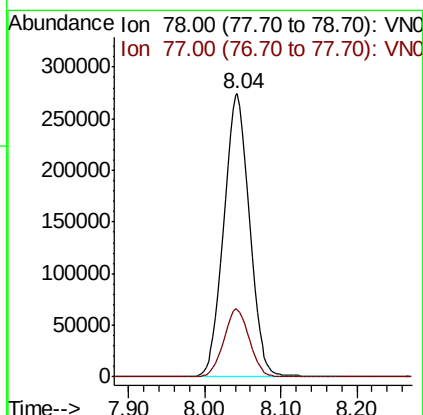
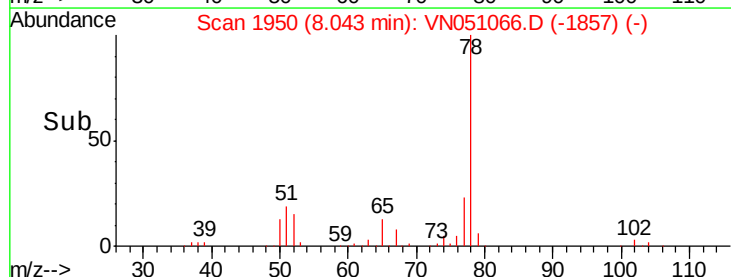
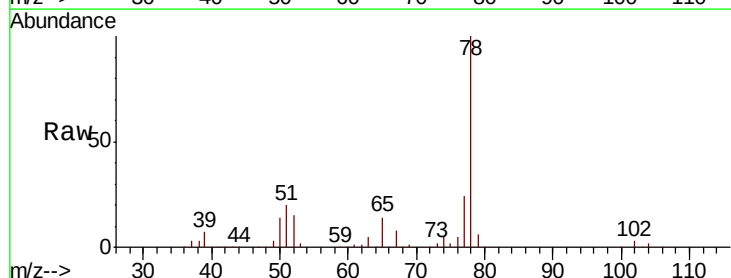
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

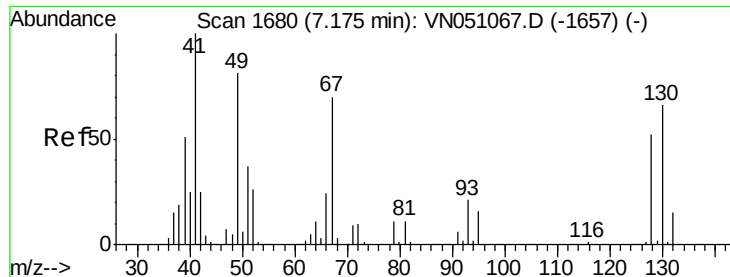
Tgt Ion: 83 Resp: 231849
Ion Ratio Lower Upper
83 100
55 72.0 58.4 87.6
98 45.8 37.3 55.9



#40
Benzene
Concen: 19.742 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051066.D
Acq: 10 Sep 2018 8:58

Tgt Ion: 78 Resp: 650081
Ion Ratio Lower Upper
78 100
77 23.7 18.6 27.8





#41

Methacrylonitrile

Concen: 19.549 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 63836

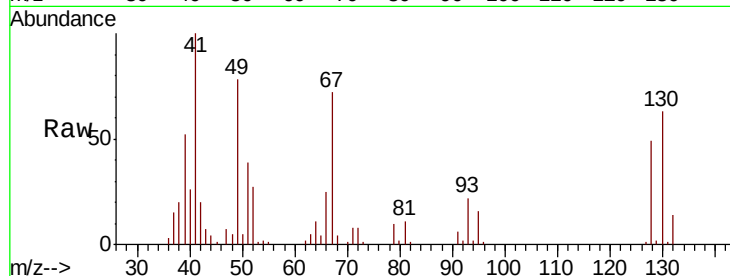
Ion Ratio Lower Upper

41 100

39 61.5 51.3 76.9

67 95.0 78.5 117.7

52 37.6 29.0 43.6

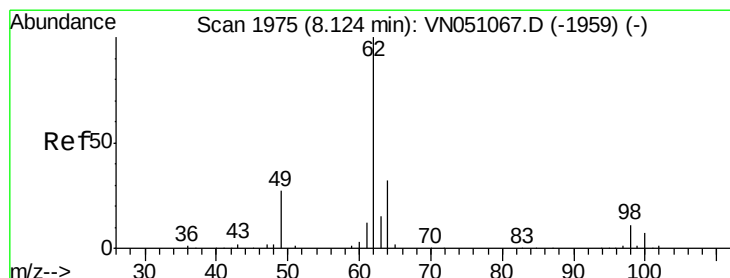
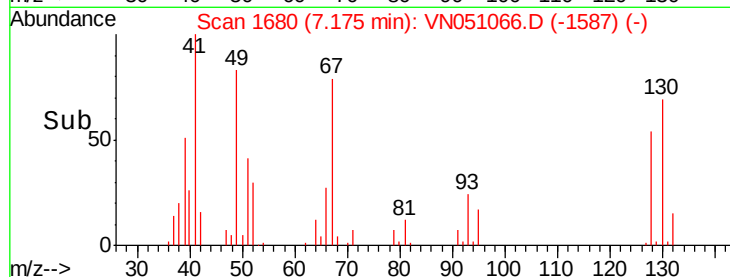
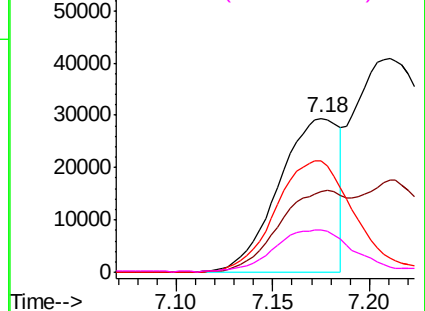


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 19.677 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN051066.D

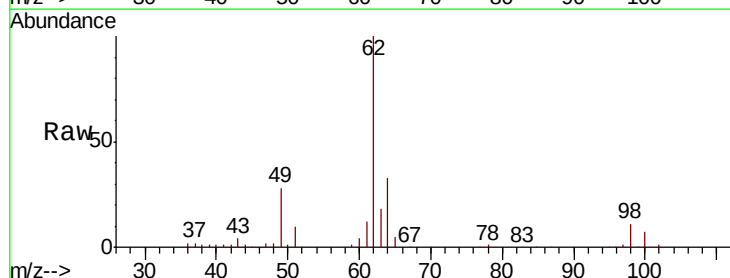
Acq: 10 Sep 2018 8:58

Tgt Ion: 62 Resp: 188855

Ion Ratio Lower Upper

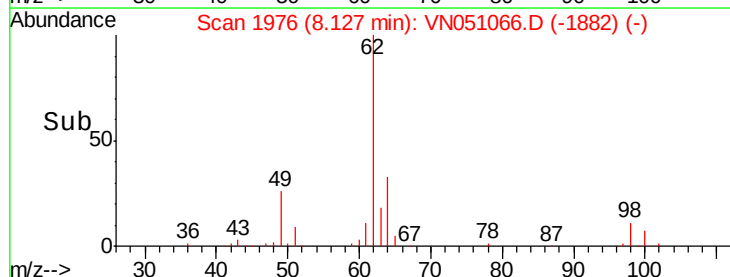
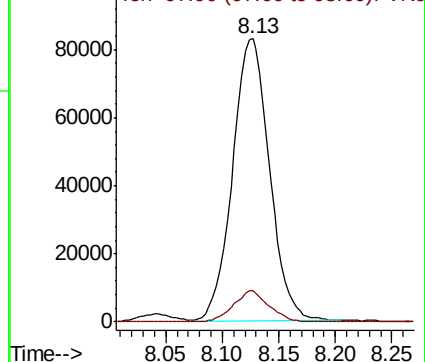
62 100

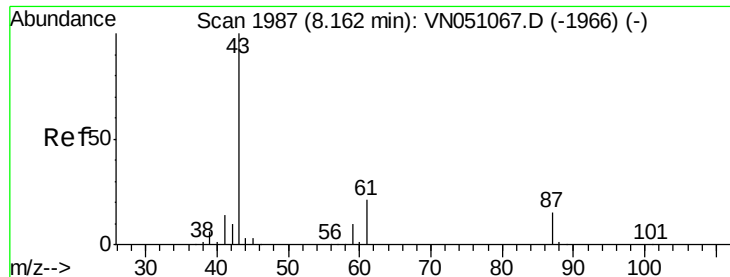
98 10.5 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.493 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

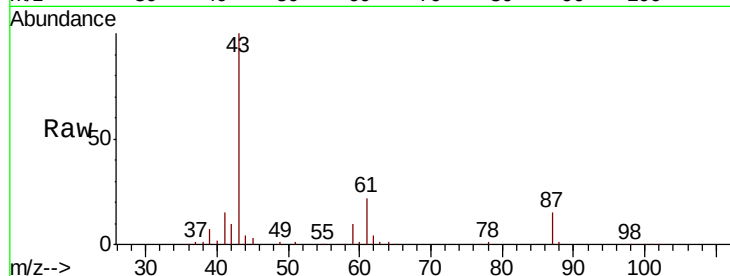
Tgt Ion: 43 Resp: 228851

Ion Ratio Lower Upper

43 100

61 30.6 25.0 37.6

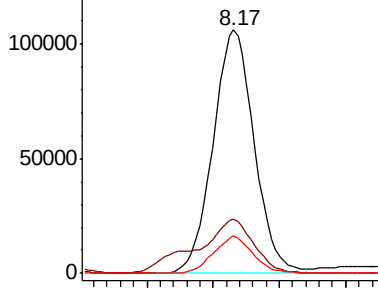
87 14.6 11.8 17.8



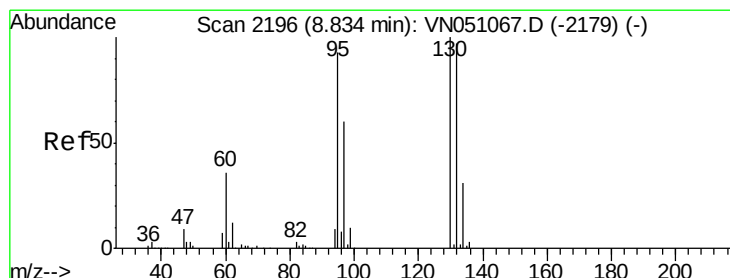
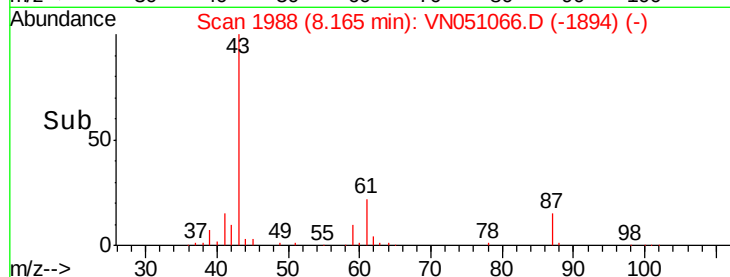
Abundance Ion 43.00 (42.70 to 43.70): VN051066.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN051066.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN051066.D (-1894) (-)



Time-->



#44

Trichloroethene

Concen: 19.216 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN051066.D

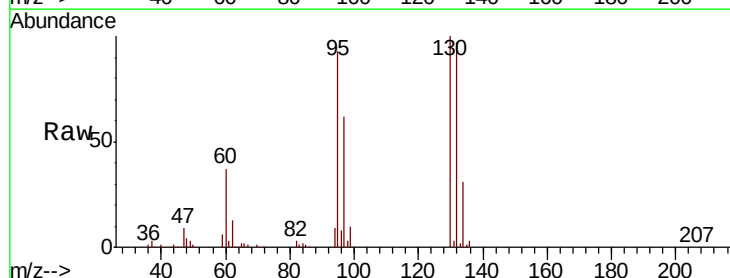
Acq: 10 Sep 2018 8:58

Tgt Ion: 130 Resp: 173076

Ion Ratio Lower Upper

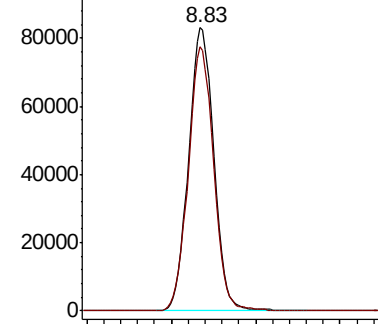
130 100

95 93.2 0.0 186.2

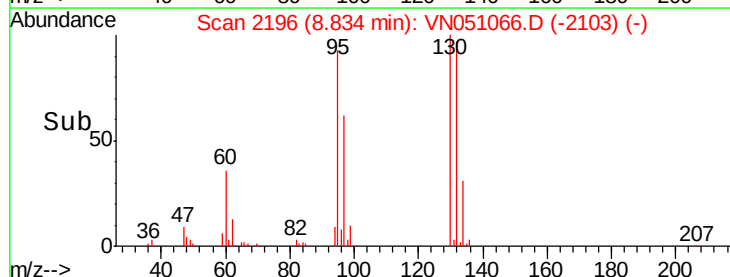


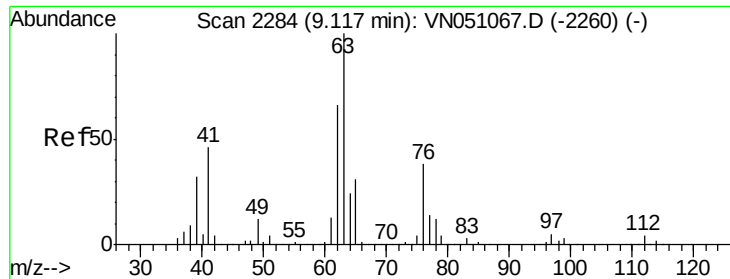
Abundance Ion 129.80 (129.50 to 130.50): VN051066.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN051066.D (-2103) (-)



Time-->





#45

1,2-Dichloropropane

Concen: 19.784 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampleId :

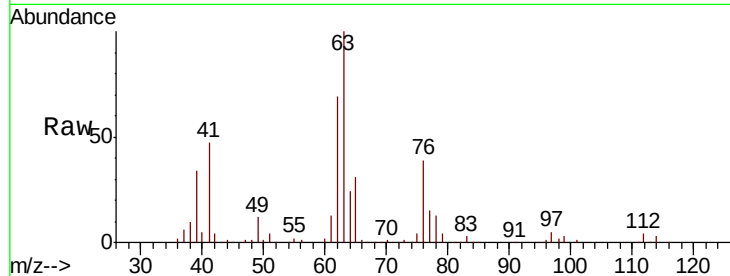
VSTDIC020

Tgt Ion: 63 Resp: 168332

Ion Ratio Lower Upper

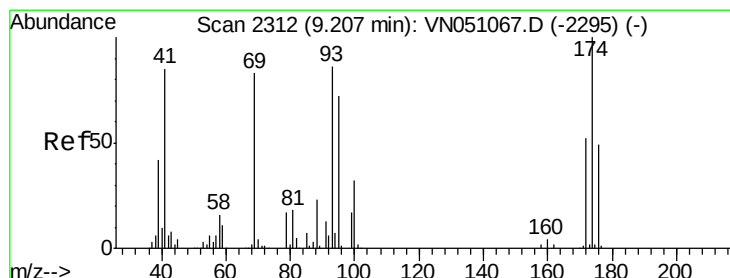
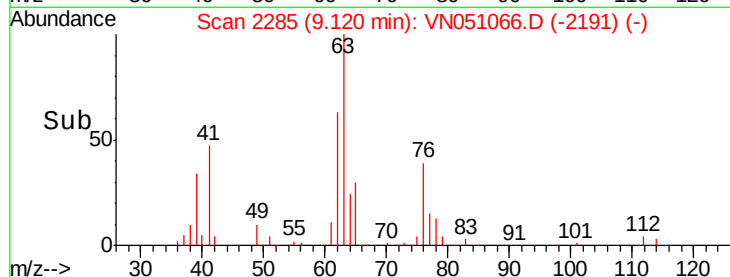
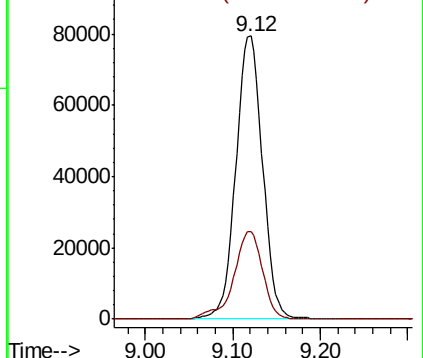
63 100

65 31.1 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.691 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

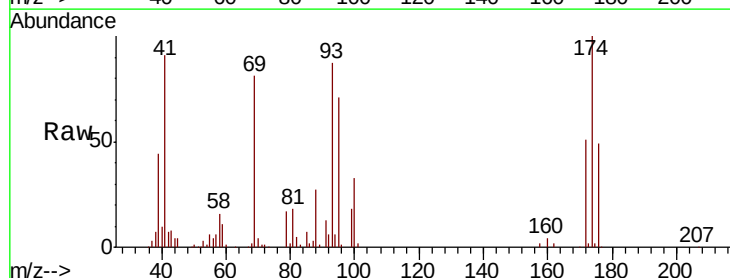
Tgt Ion: 93 Resp: 102223

Ion Ratio Lower Upper

93 100

95 82.1 66.8 100.2

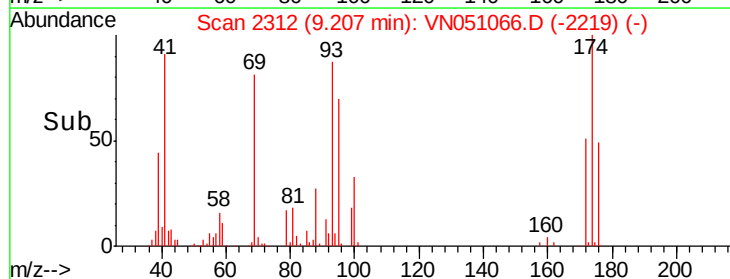
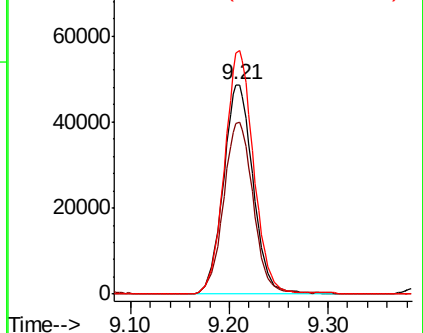
174 113.6 93.3 139.9

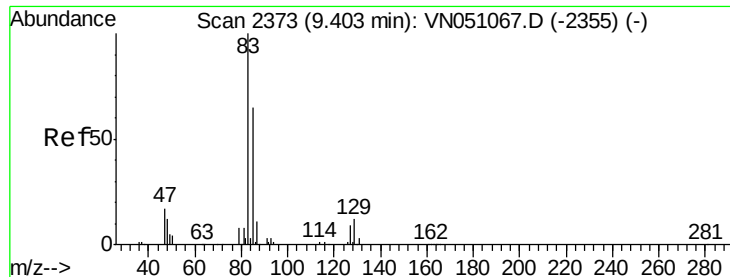


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.747 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

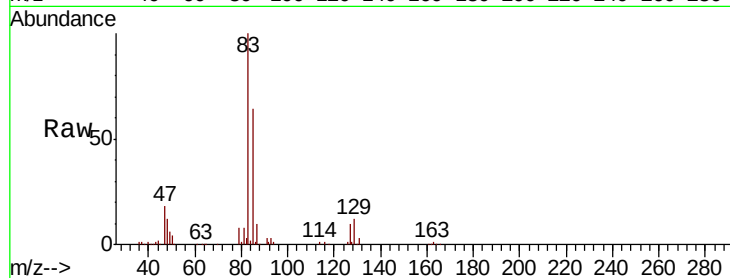
Tgt Ion: 83 Resp: 208443

Ion Ratio Lower Upper

83 100

85 63.7 52.3 78.5

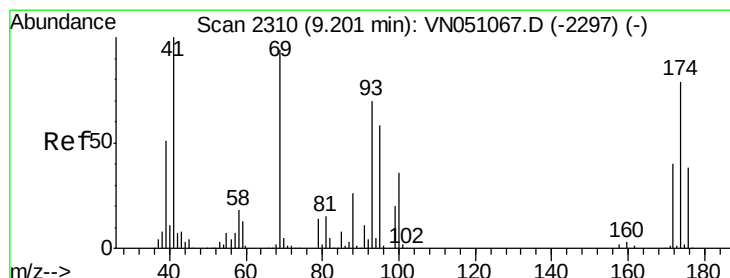
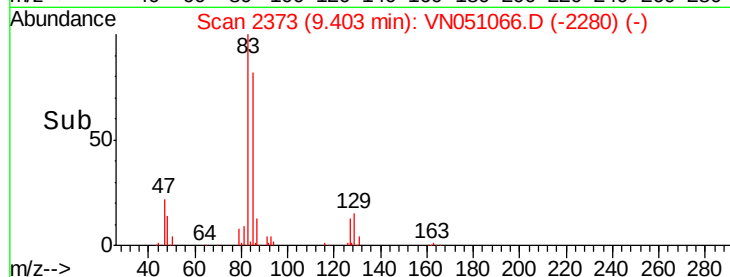
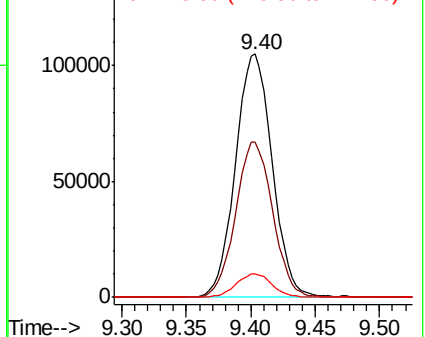
127 9.7 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VN051066.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN051066.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN051066.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.061 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

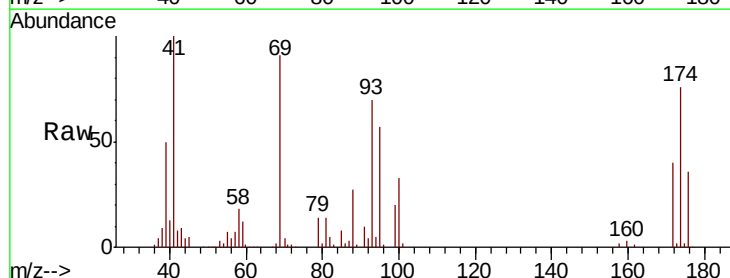
Tgt Ion: 41 Resp: 109174

Ion Ratio Lower Upper

41 100

69 94.9 77.7 116.5

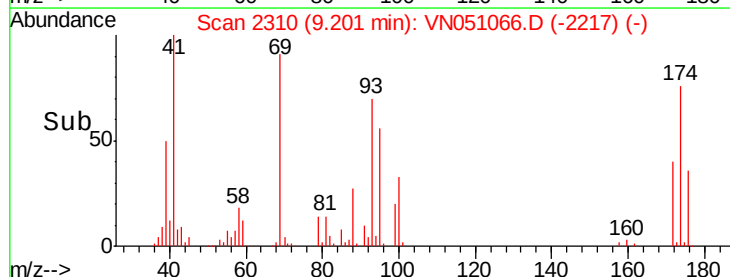
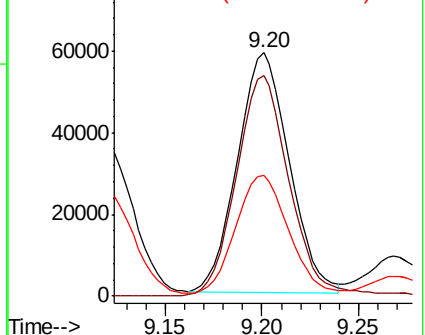
39 51.9 41.6 62.4

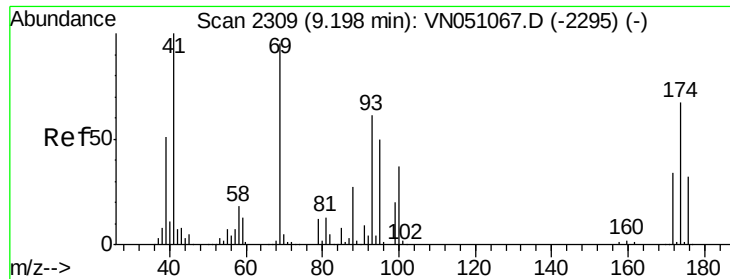


Abundance Ion 41.00 (40.70 to 41.70): VN051066.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN051066.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN051066.D (-2217) (-)





#49

1,4-Dioxane

Concen: 422.051 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

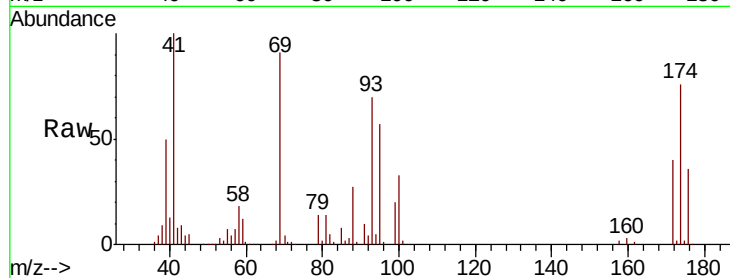
Tgt Ion: 88 Resp: 36017

Ion Ratio Lower Upper

88 100

43 31.5 23.7 35.5

58 65.7 54.6 82.0

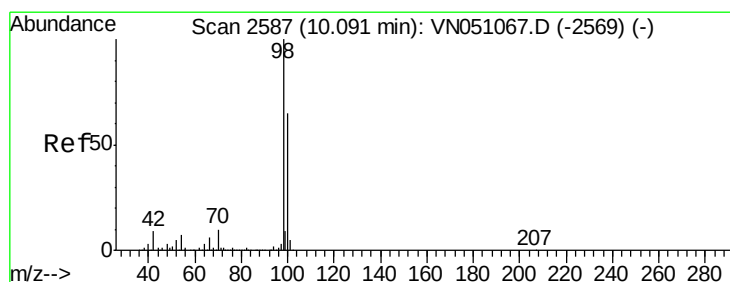
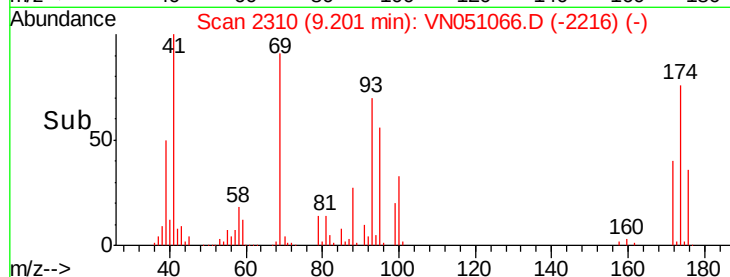
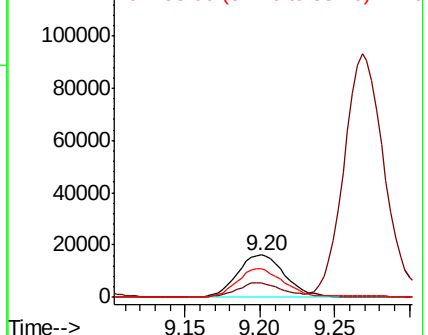


Abundance

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: 18.777 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN051066.D

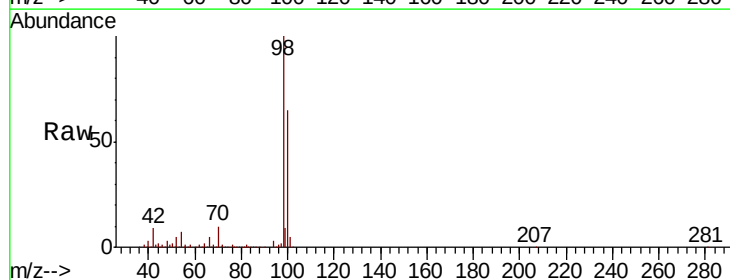
Acq: 10 Sep 2018 8:58

Tgt Ion: 98 Resp: 532914

Ion Ratio Lower Upper

98 100

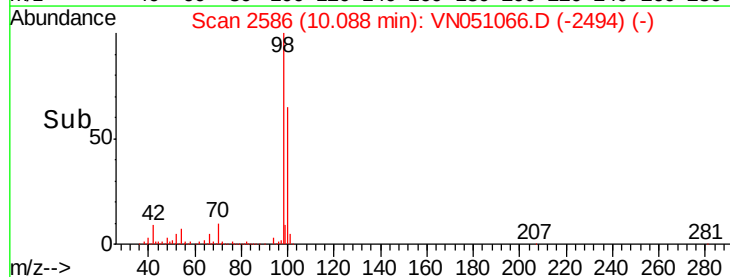
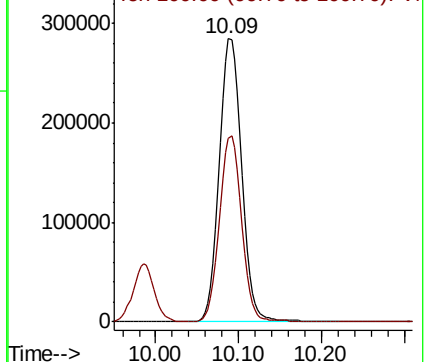
100 64.6 52.0 78.0

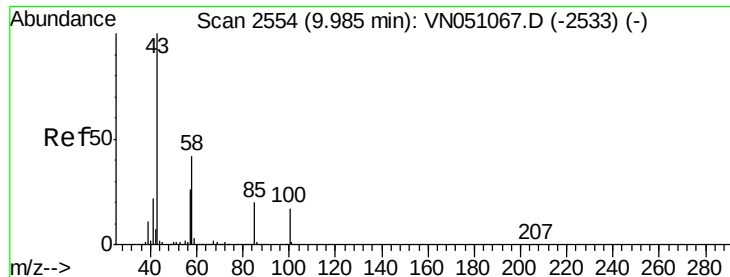


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 105.091 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampleId :

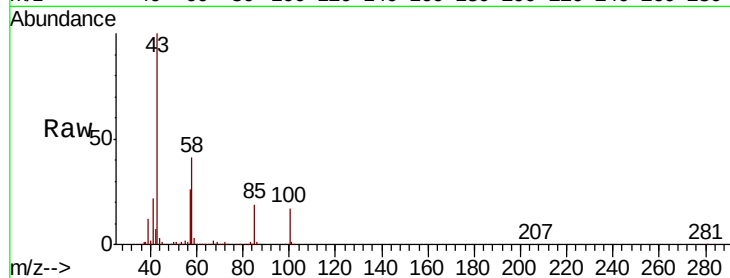
VSTDIC020

Tgt Ion: 43 Resp: 648990

Ion Ratio Lower Upper

43 100

58 41.5 33.5 50.3



Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN051067.D (-2533) (-)

9.99

400000

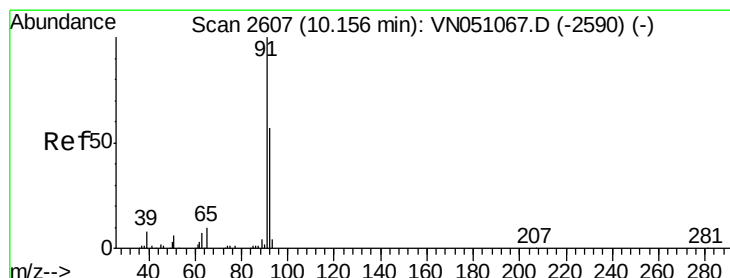
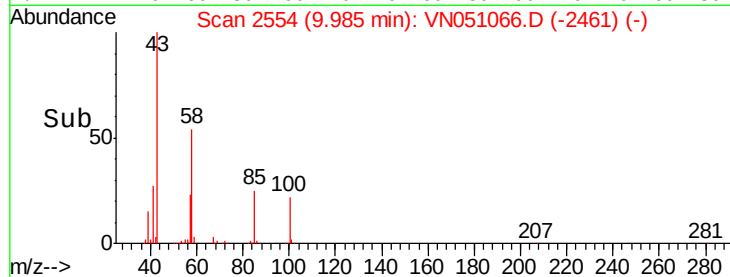
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.815 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051066.D

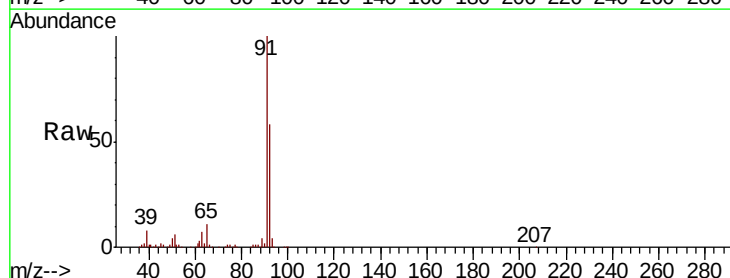
Acq: 10 Sep 2018 8:58

Tgt Ion: 92 Resp: 397875

Ion Ratio Lower Upper

92 100

91 173.8 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN051067.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN051067.D (-2590) (-)

10.16

400000

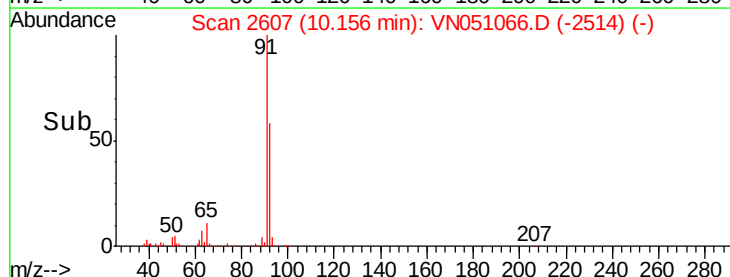
300000

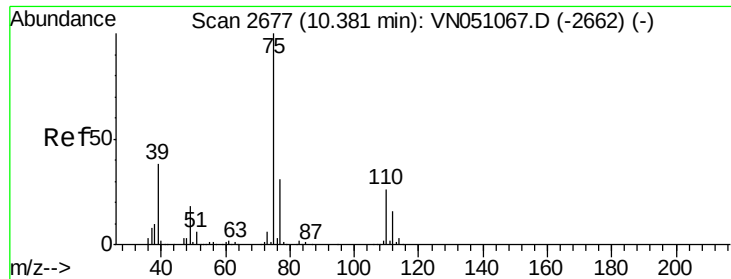
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.502 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampleId :

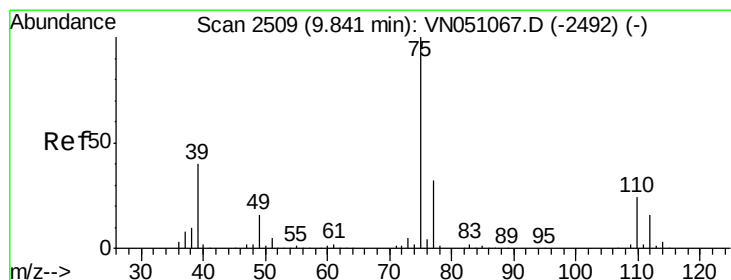
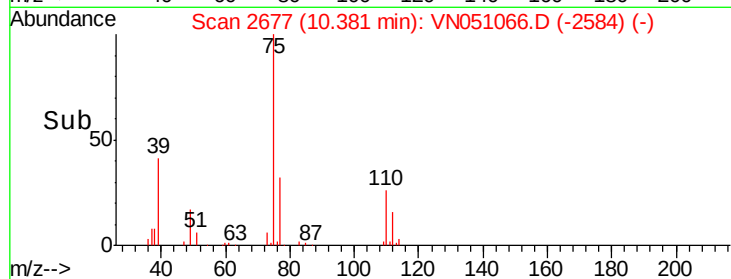
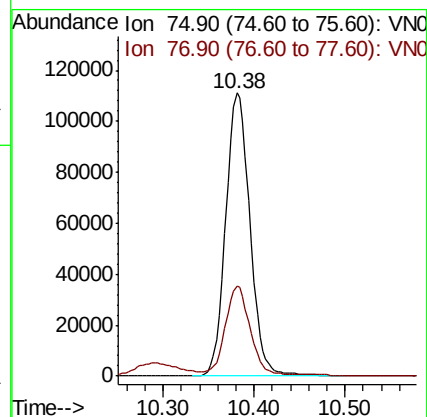
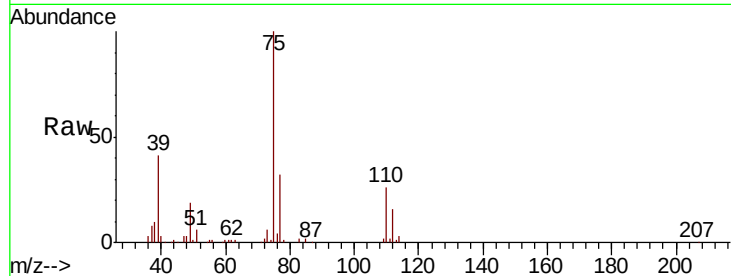
VSTDIC020

Tgt Ion: 75 Resp: 206036

Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 19.655 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

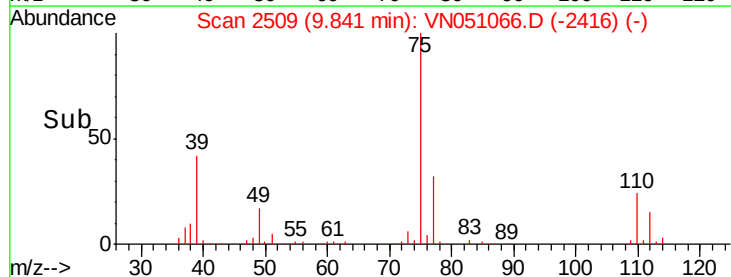
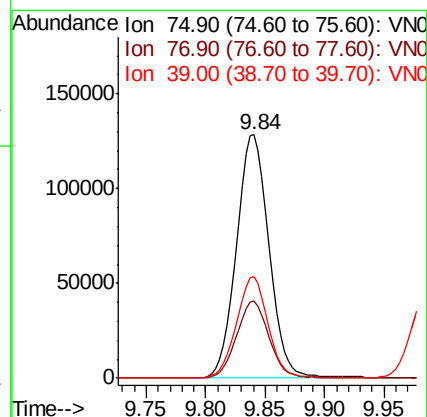
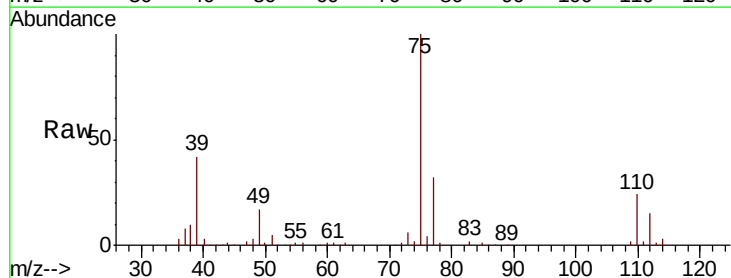
Tgt Ion: 75 Resp: 243476

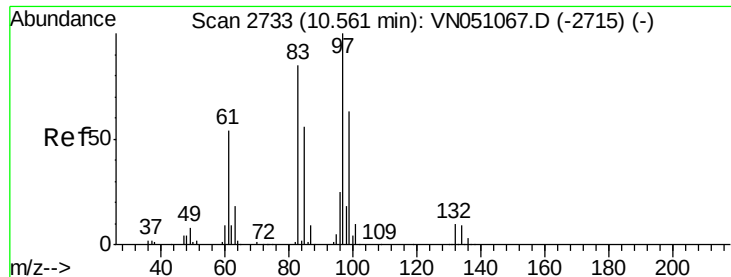
Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

39 41.8 31.9 47.9

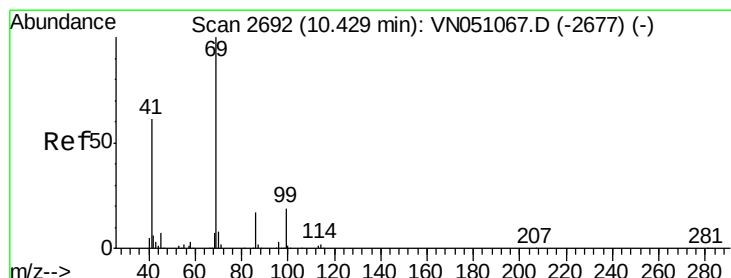
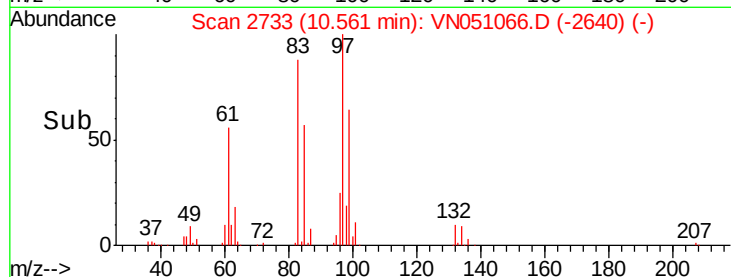
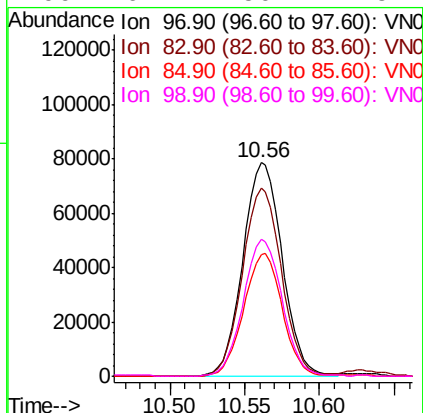
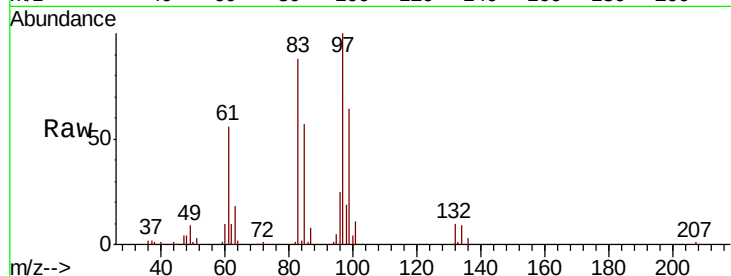




#55
 1,1,2-Trichloroethane
 Concen: 19.780 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051066.D
 Acq: 10 Sep 2018 8:58

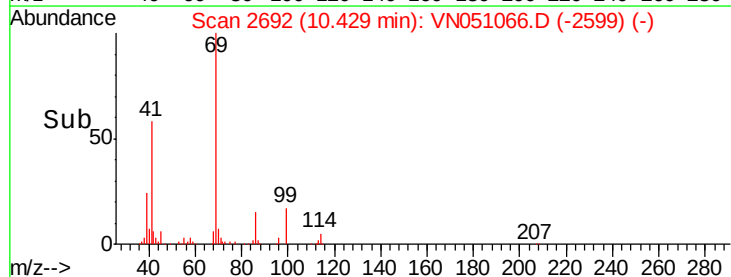
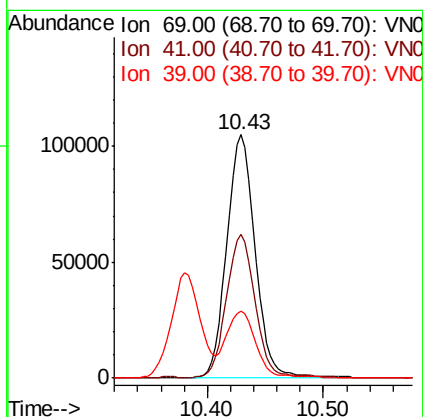
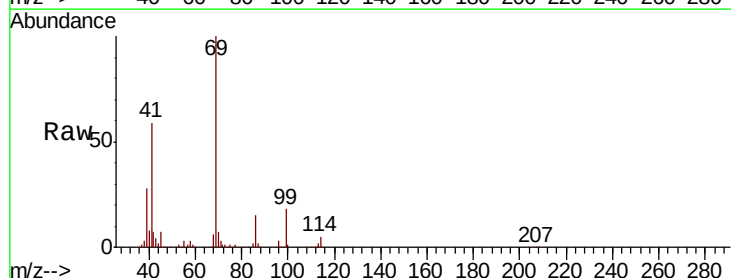
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

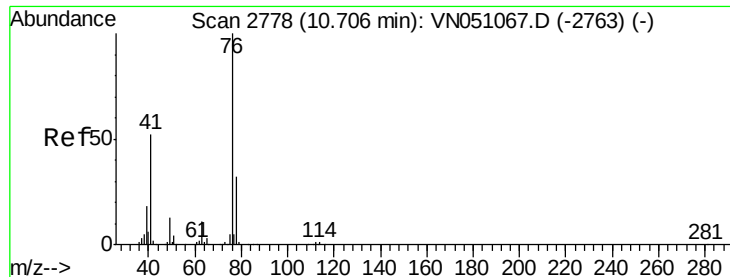
Tgt Ion: 97 Resp: 144274
 Ion Ratio Lower Upper
 97 100
 83 87.8 68.2 102.2
 85 57.0 44.8 67.2
 99 64.2 50.2 75.4



#56
 Ethyl methacrylate
 Concen: 20.295 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051066.D
 Acq: 10 Sep 2018 8:58

Tgt Ion: 69 Resp: 177167
 Ion Ratio Lower Upper
 69 100
 41 59.4 47.8 71.8
 39 28.6 23.0 34.4





#57

1,3-Dichloropropane

Concen: 19.953 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampled :

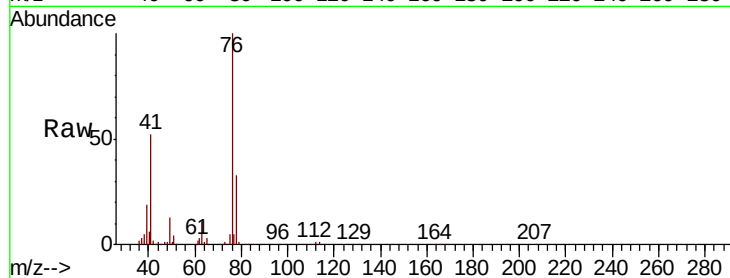
VSTDIC020

Tgt Ion: 76 Resp: 241285

Ion Ratio Lower Upper

76 100

78 32.4 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

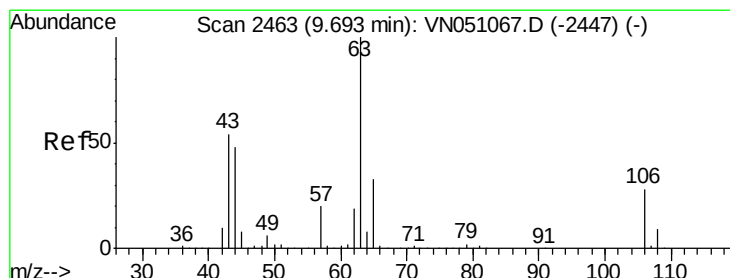
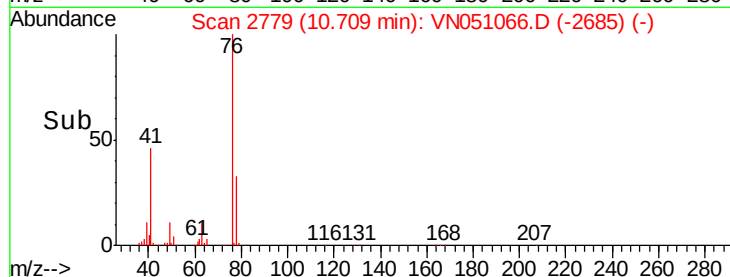
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 98.673 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051066.D

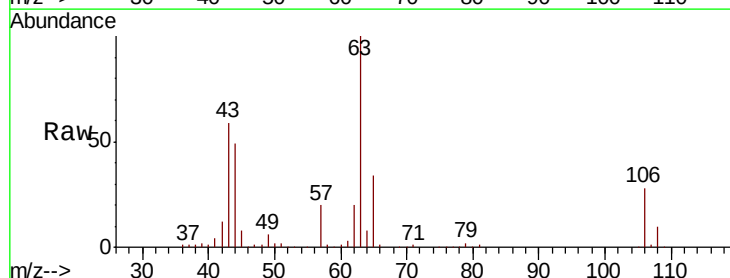
Acq: 10 Sep 2018 8:58

Tgt Ion: 63 Resp: 352052

Ion Ratio Lower Upper

63 100

106 27.9 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

200000

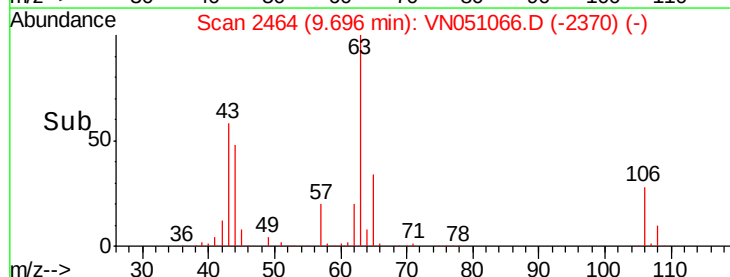
150000

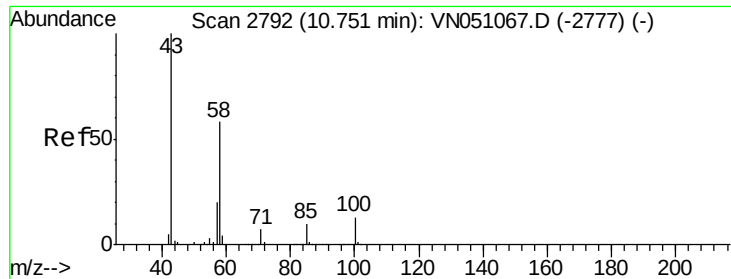
100000

50000

0

Time--> 9.60 9.70 9.80

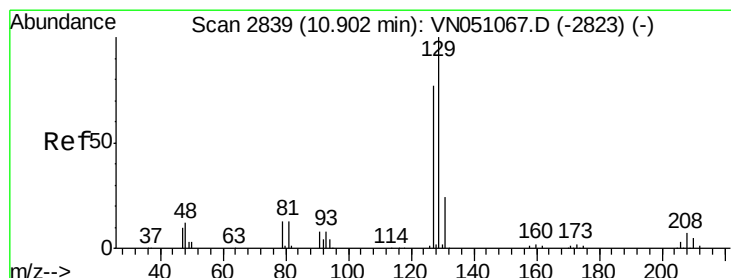
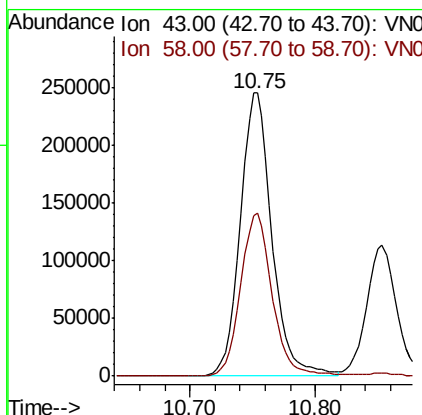
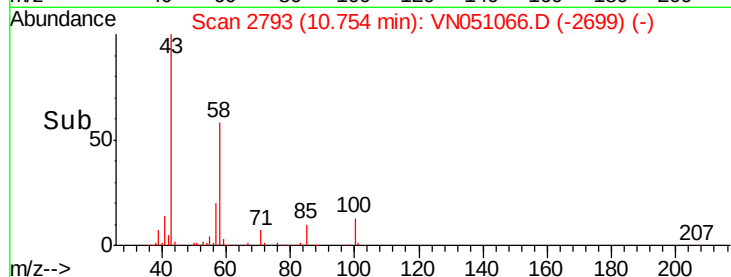
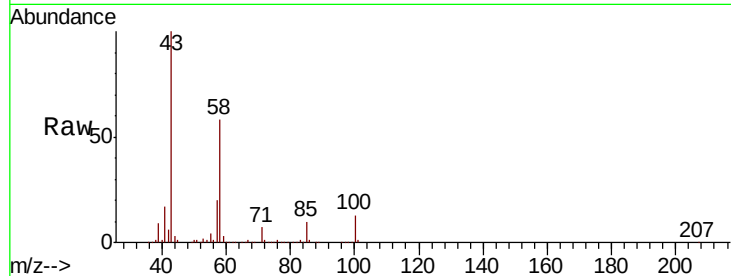




#59
2-Hexanone
Concen: 102.597 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051066.D
Acq: 10 Sep 2018 8:58

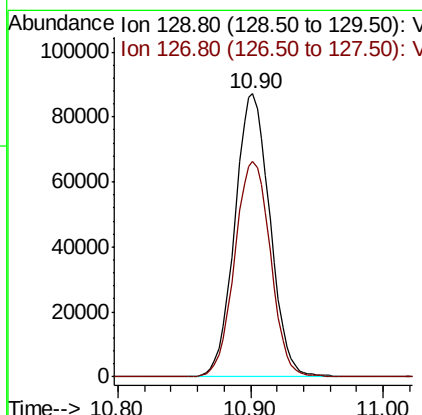
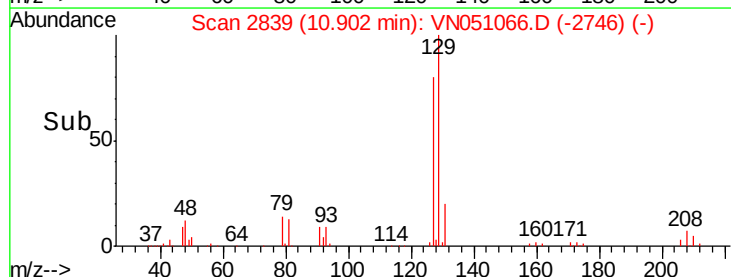
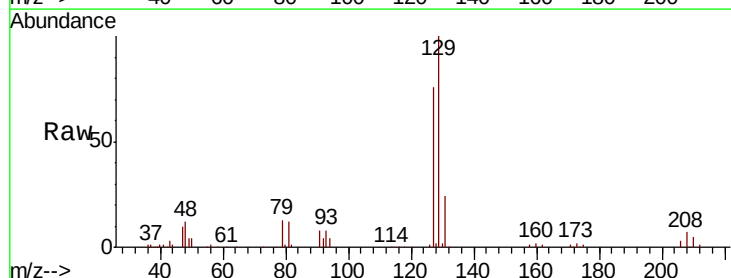
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

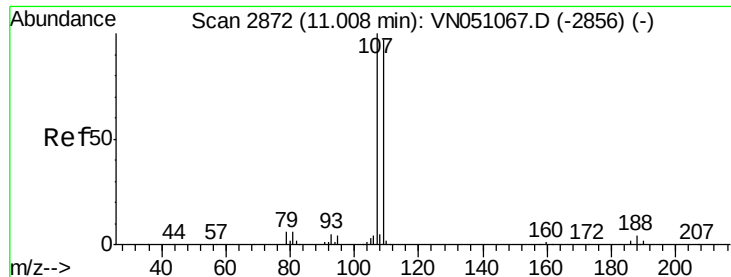
Tgt Ion: 43 Resp: 429688
Ion Ratio Lower Upper
43 100
58 57.8 29.3 88.0



#60
Dibromochloromethane
Concen: 19.477 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051066.D
Acq: 10 Sep 2018 8:58

Tgt Ion: 129 Resp: 160124
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.5

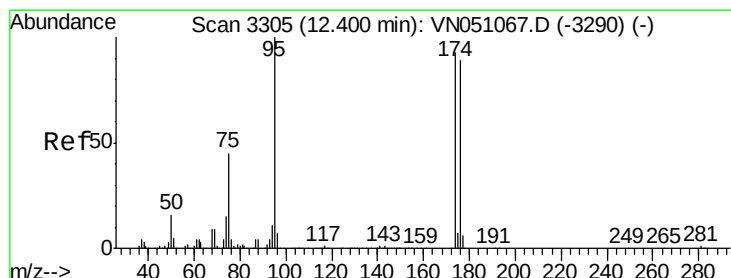
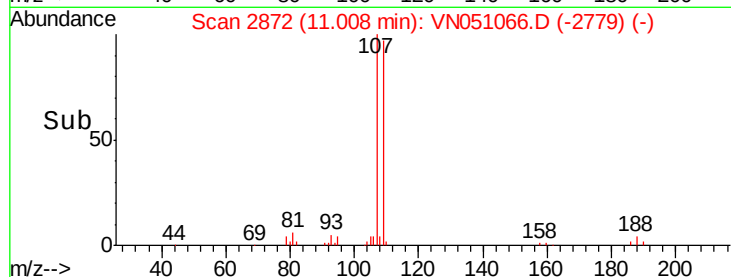
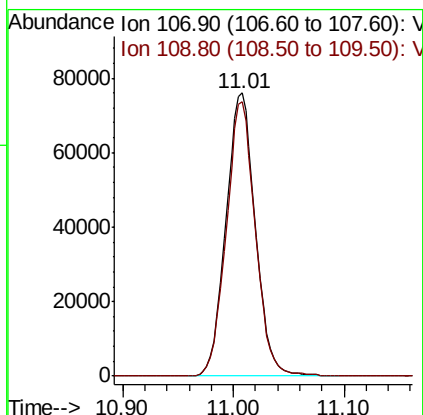
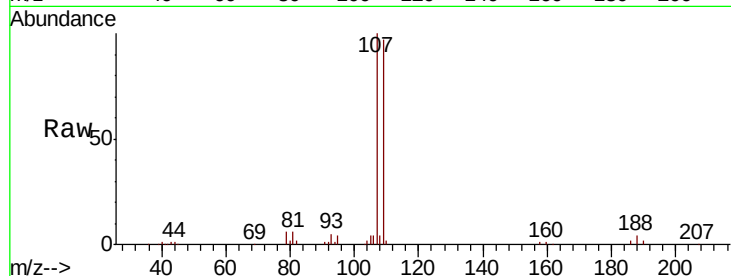




#61
 1,2-Dibromoethane
 Concen: 19.659 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051066.D
 Acq: 10 Sep 2018 8:58

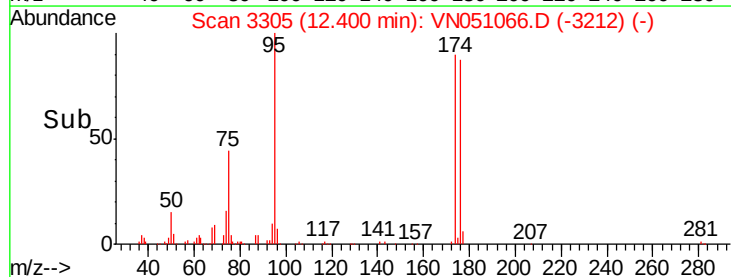
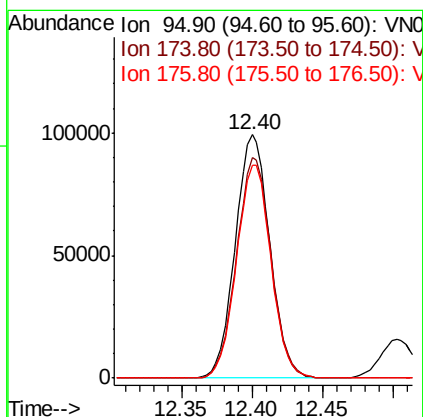
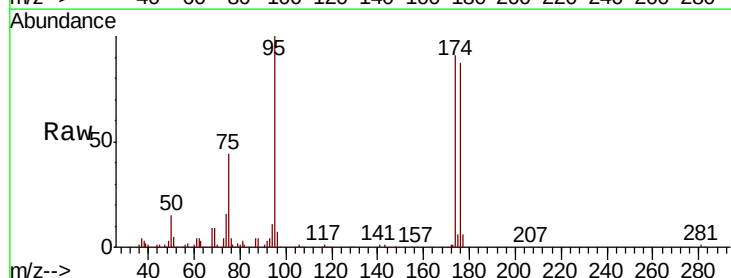
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

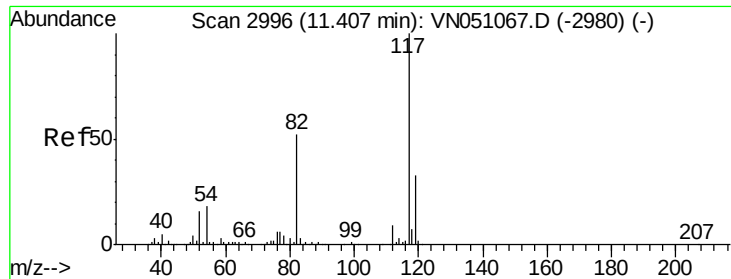
Tgt Ion: 107 Resp: 140168
 Ion Ratio Lower Upper
 107 100
 109 95.7 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 18.094 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051066.D
 Acq: 10 Sep 2018 8:58

Tgt Ion: 95 Resp: 169866
 Ion Ratio Lower Upper
 95 100
 174 91.0 0.0 184.8
 176 87.8 0.0 178.6

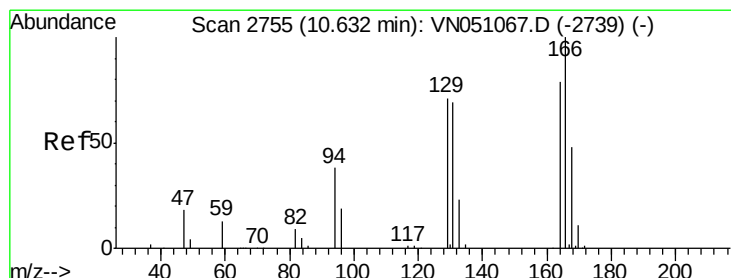
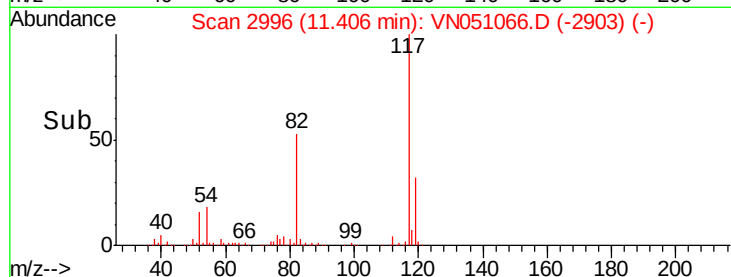
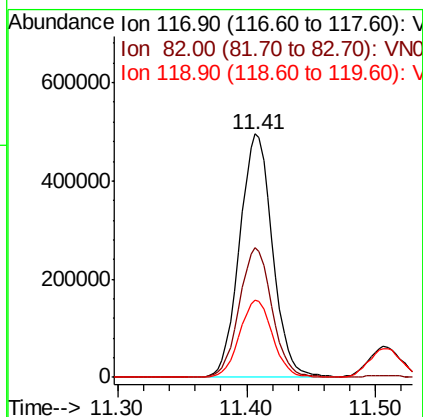
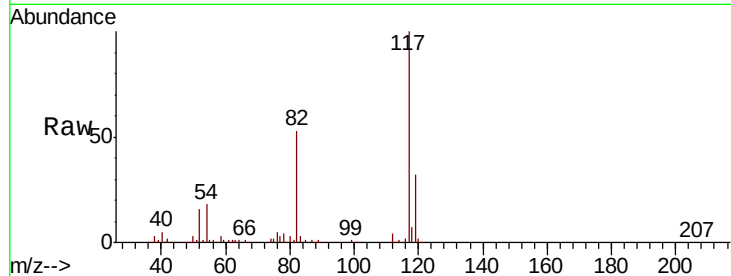




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051066.D
Acq: 10 Sep 2018 8:58

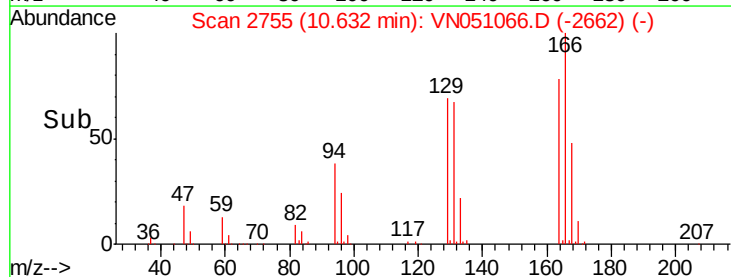
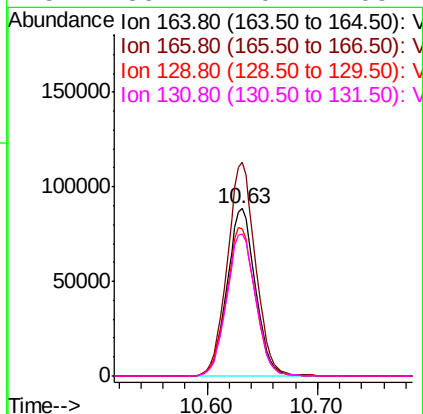
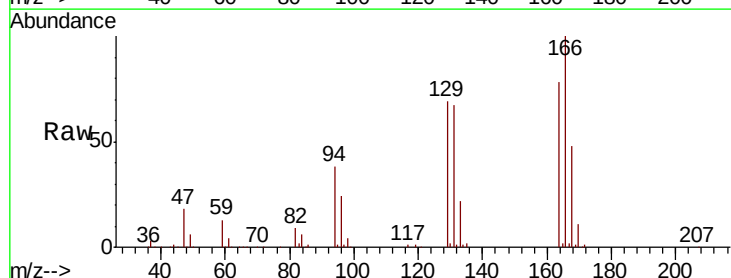
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

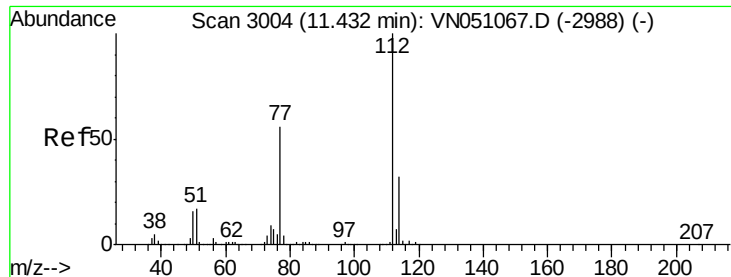
Tgt Ion:117 Resp: 880611
Ion Ratio Lower Upper
117 100
82 53.3 41.8 62.6
119 31.9 26.2 39.2



#64
Tetrachloroethene
Concen: 19.615 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051066.D
Acq: 10 Sep 2018 8:58

Tgt Ion:164 Resp: 157618
Ion Ratio Lower Upper
164 100
166 127.8 101.3 151.9
129 88.1 72.2 108.2
131 85.1 70.2 105.2

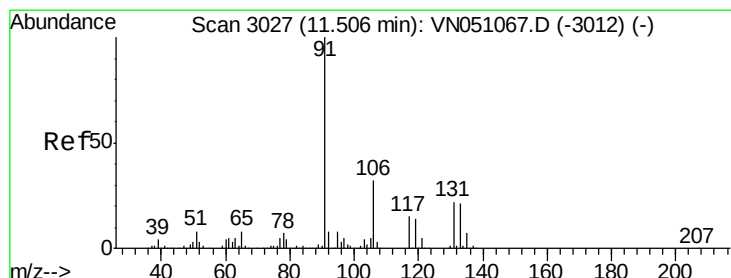
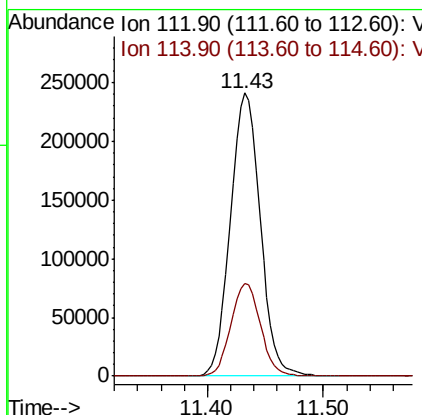
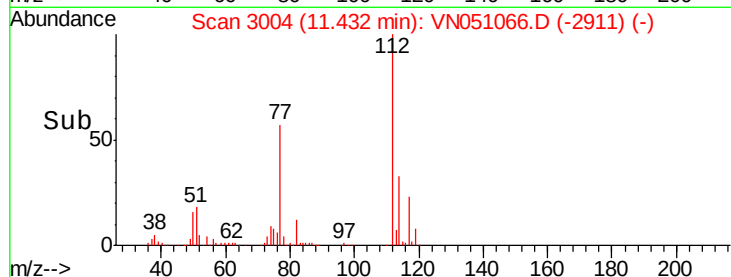
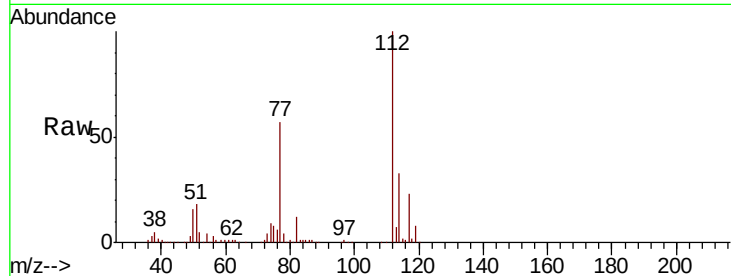




#65
Chlorobenzene
Concen: 19.313 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051066.D
Acq: 10 Sep 2018 8:58

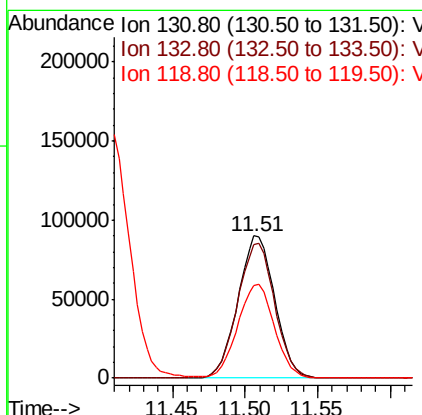
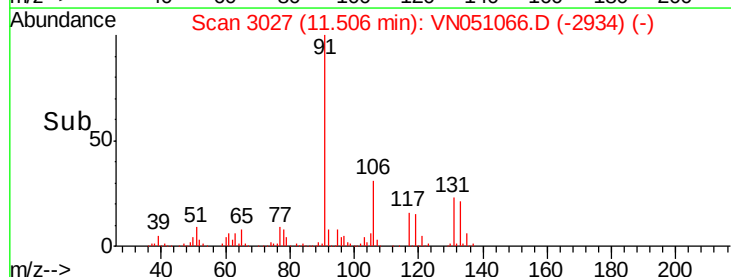
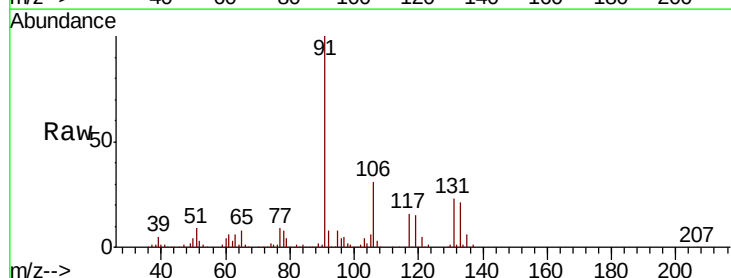
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

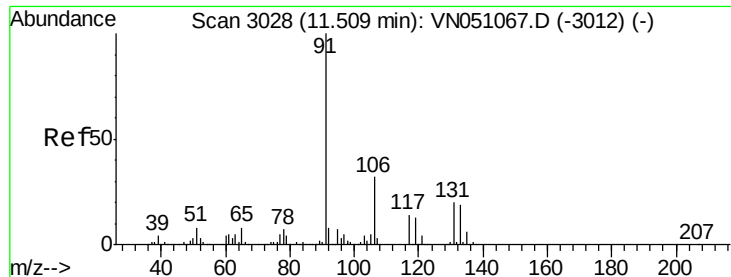
Tgt Ion:112 Resp: 428695
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.865 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN051066.D
Acq: 10 Sep 2018 8:58

Tgt Ion:131 Resp: 158761
Ion Ratio Lower Upper
131 100
133 95.6 47.5 142.6
119 65.8 33.2 99.6

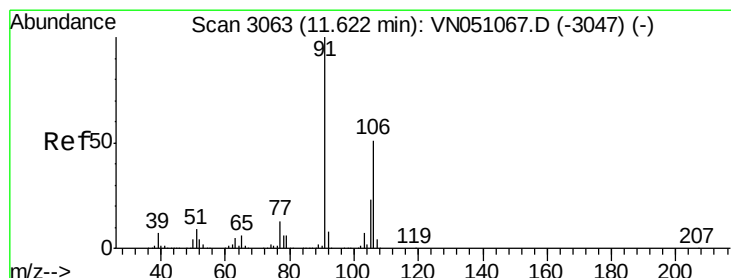
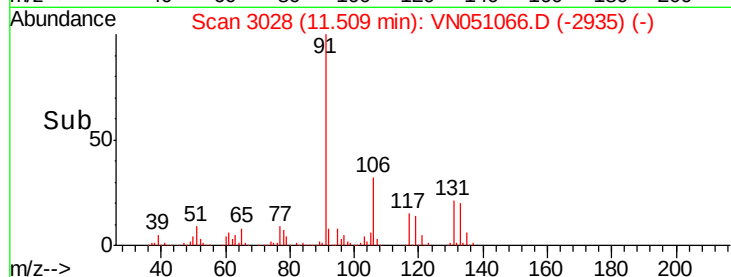
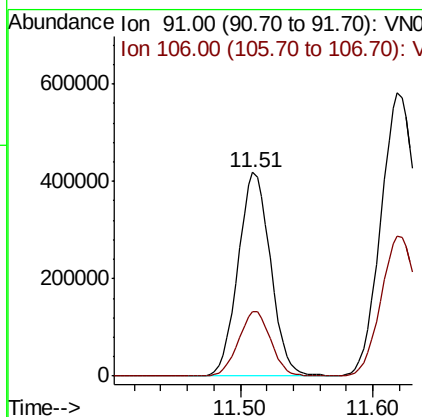
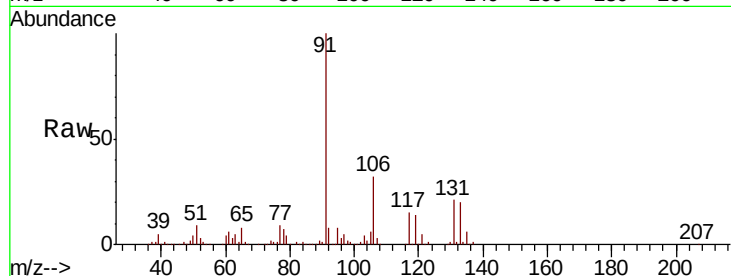




#67
Ethyl Benzene
Concen: 19.784 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051066.D
Acq: 10 Sep 2018 8:58

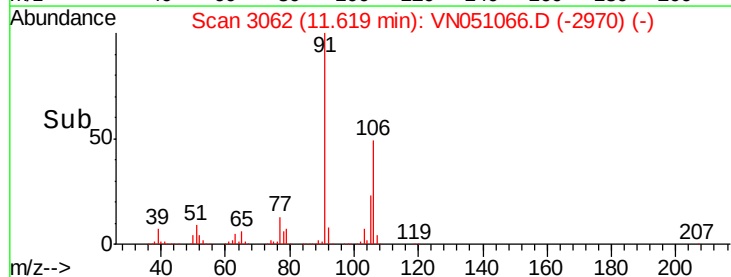
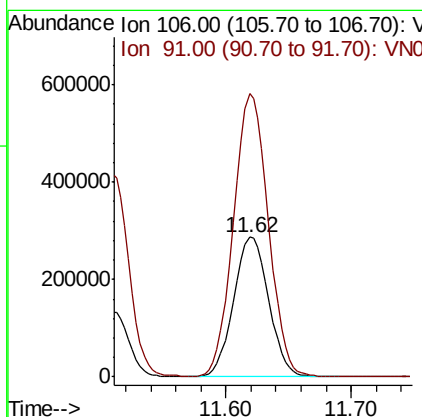
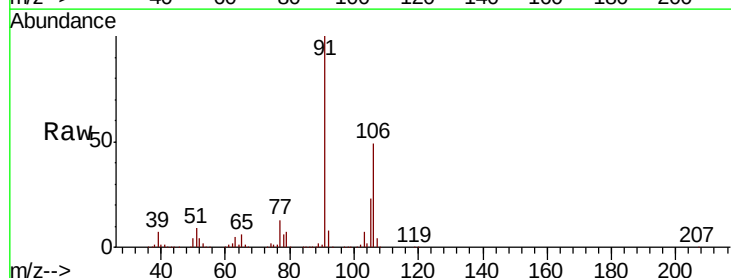
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

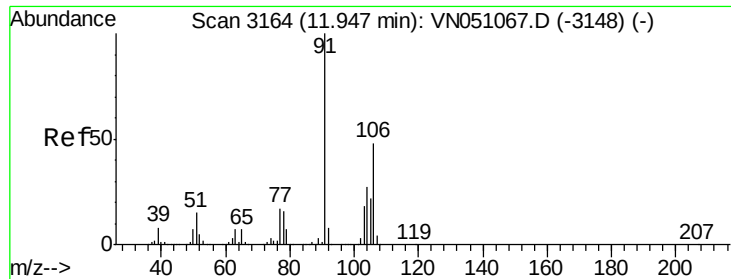
Tgt Ion: 91 Resp: 711190
Ion Ratio Lower Upper
91 100
106 31.9 25.4 38.2



#68
m/p-Xylenes
Concen: 40.322 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051066.D
Acq: 10 Sep 2018 8:58

Tgt Ion: 106 Resp: 556927
Ion Ratio Lower Upper
106 100
91 201.3 159.8 239.6

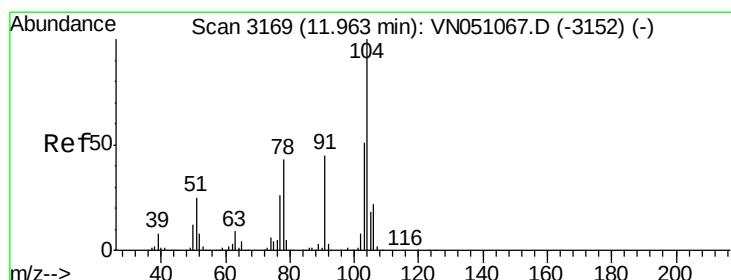
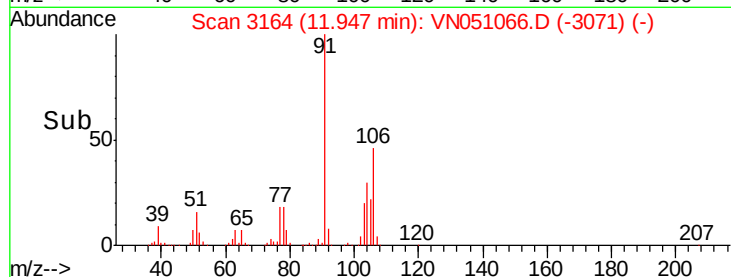
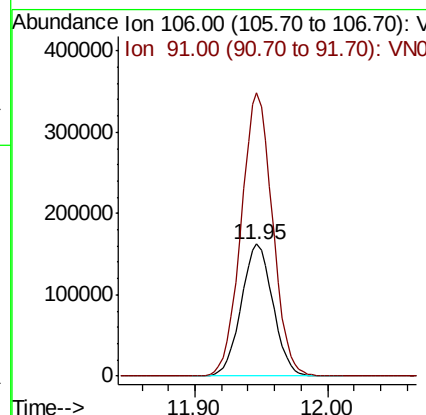
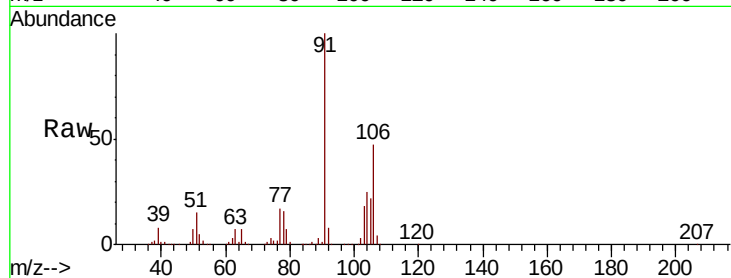




#69
o-Xylene
Concen: 20.156 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051066.D
Acq: 10 Sep 2018 8:58

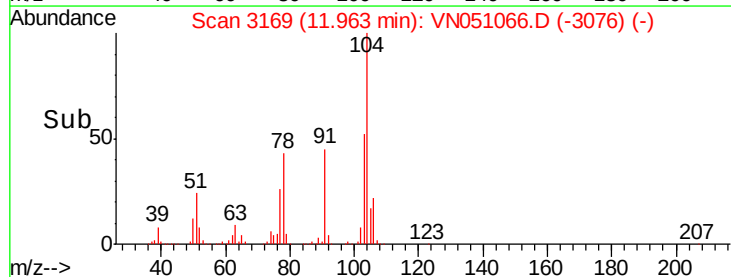
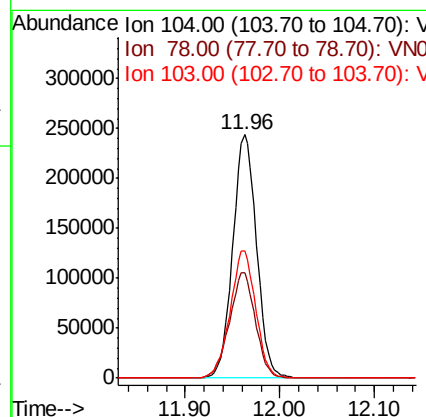
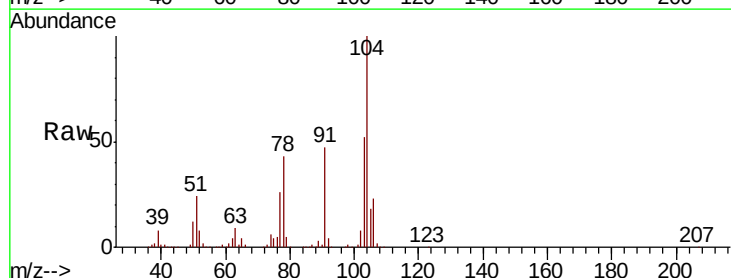
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

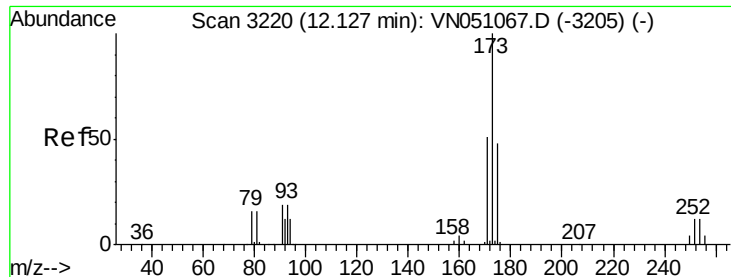
Tgt Ion:106 Resp: 269591
Ion Ratio Lower Upper
106 100
91 211.9 105.1 315.1



#70
Styrene
Concen: 20.580 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051066.D
Acq: 10 Sep 2018 8:58

Tgt Ion:104 Resp: 426989
Ion Ratio Lower Upper
104 100
78 47.3 37.7 56.5
103 56.0 44.6 67.0





#71

Bromoform

Concen: 20.046 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

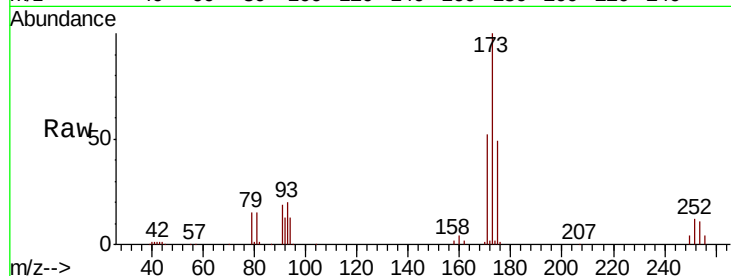
Tgt Ion:173 Resp: 112794

Ion Ratio Lower Upper

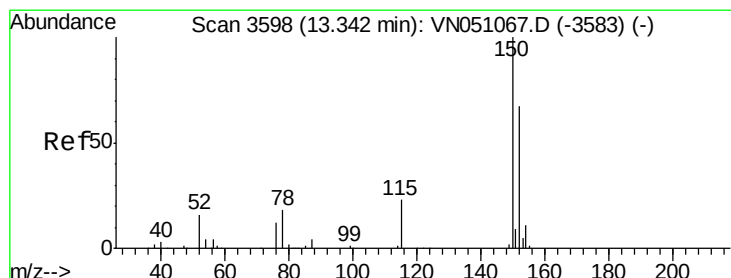
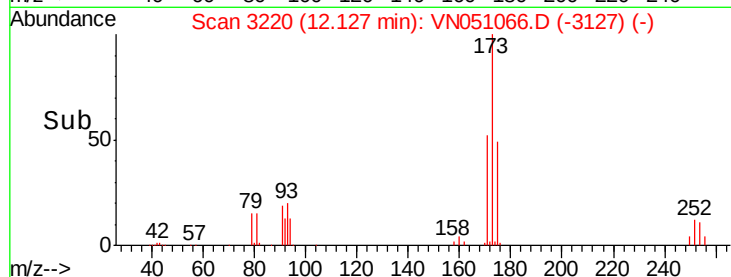
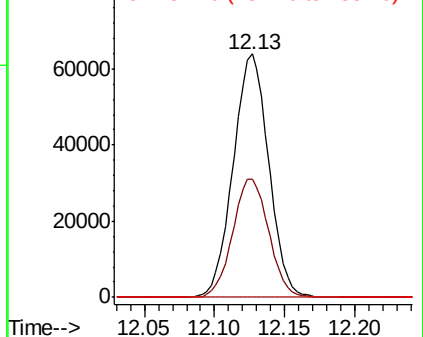
173 100

175 49.1 24.3 72.9

254 0.0 0.0 0.0



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: VN051066.D

Acq: 10 Sep 2018 8:58

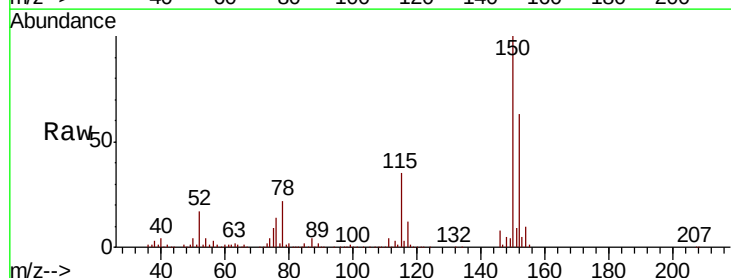
Tgt Ion:152 Resp: 421161

Ion Ratio Lower Upper

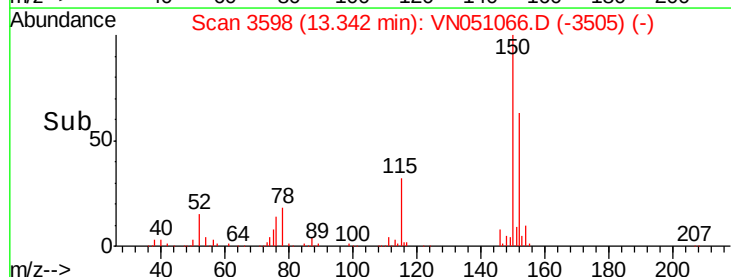
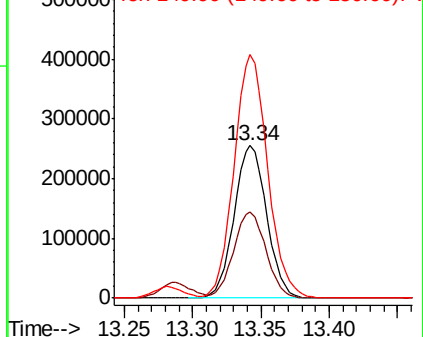
152 100

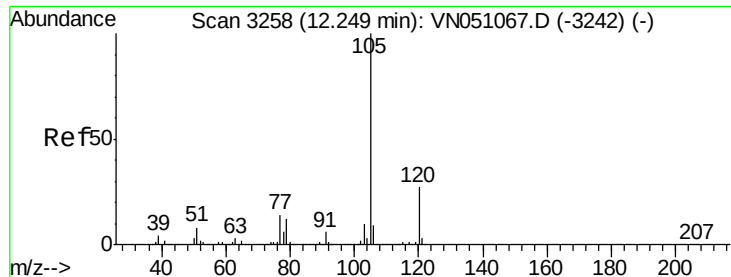
115 56.6 28.2 84.7

150 164.6 0.0 349.0



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





#73

Isopropylbenzene

Concen: 19.998 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampleId :

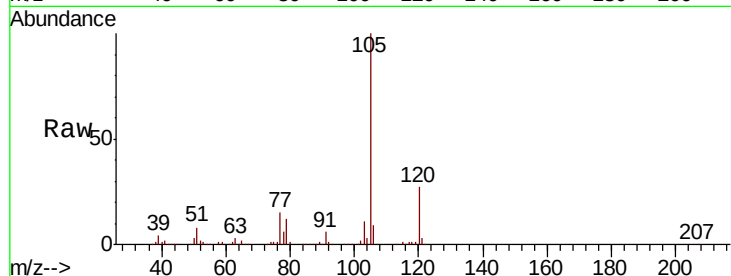
VSTDIC020

Tgt Ion: 105 Resp: 706334

Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

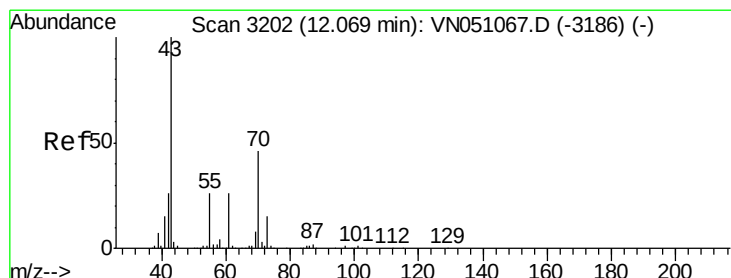
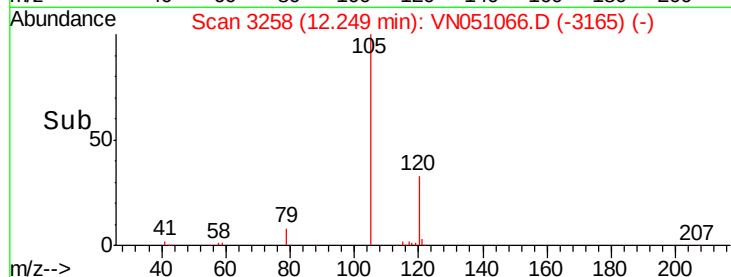
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.836 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Tgt Ion: 43 Resp: 176311

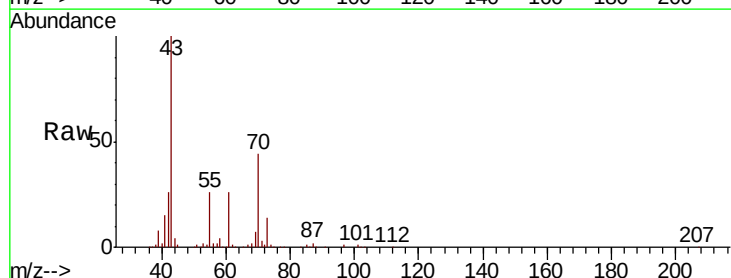
Ion Ratio Lower Upper

43 100

70 44.9 37.0 55.4

55 27.2 21.3 31.9

61 25.8 20.7 31.1



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

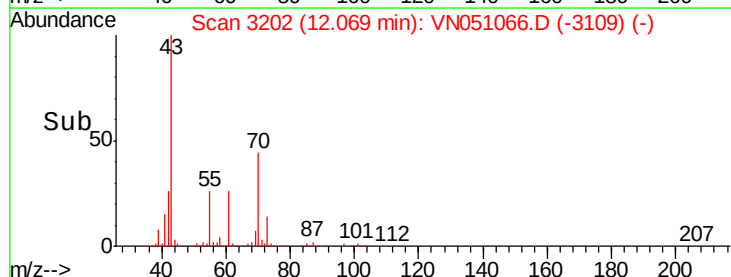
150000

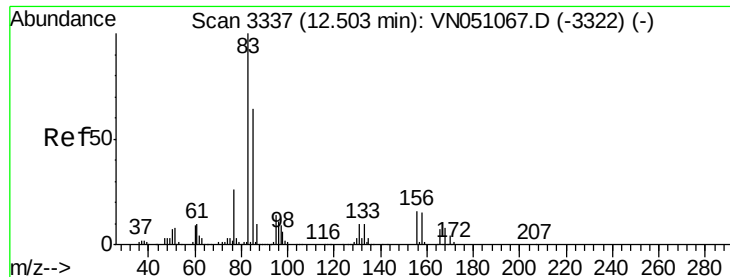
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.362 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

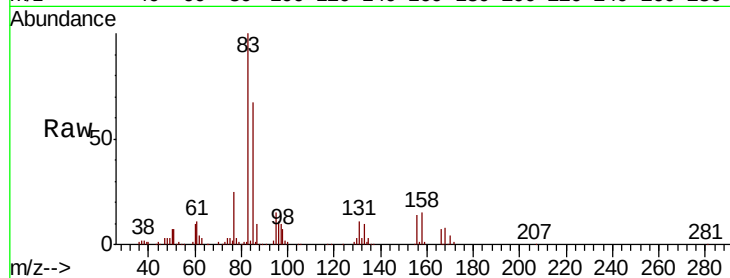
Tgt Ion: 83 Resp: 182086

Ion Ratio Lower Upper

83 100

131 10.8 5.3 16.1

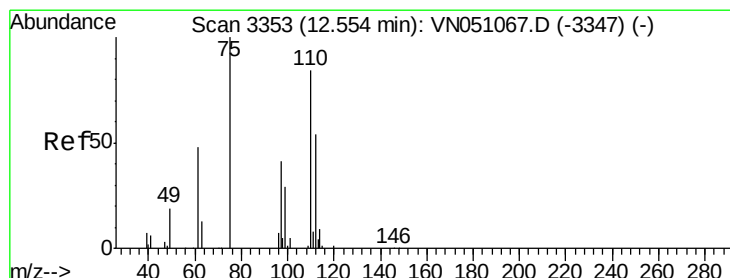
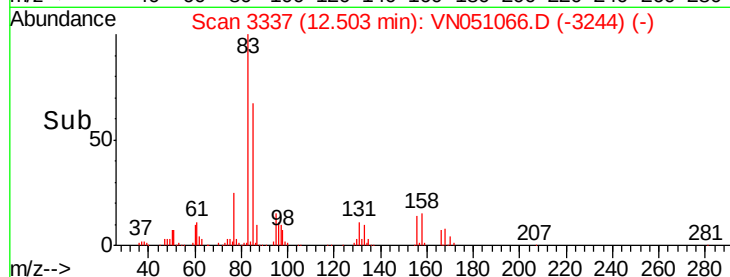
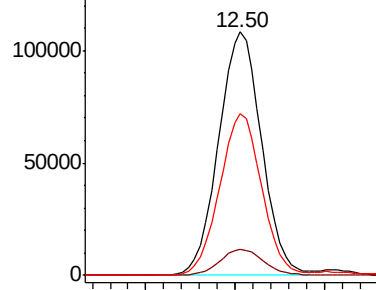
85 65.0 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN051067.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN051067.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN051067.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 29.998 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051066.D

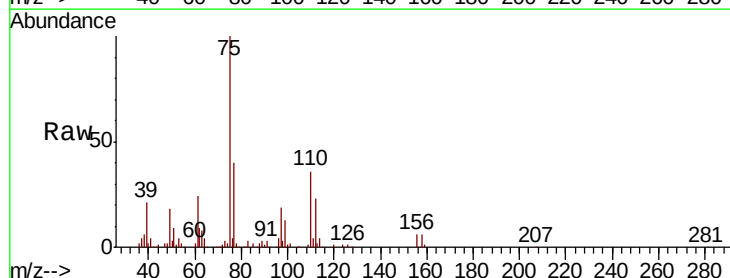
Acq: 10 Sep 2018 8:58

Tgt Ion: 75 Resp: 210103

Ion Ratio Lower Upper

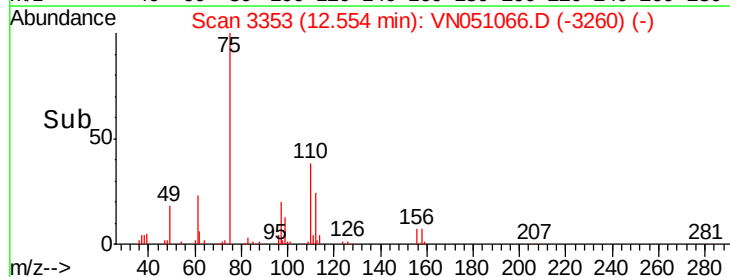
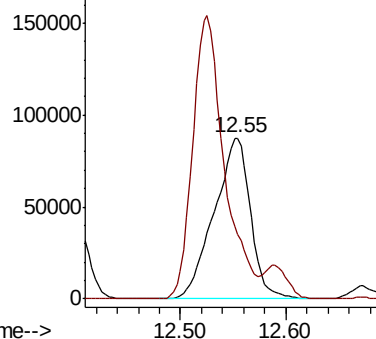
75 100

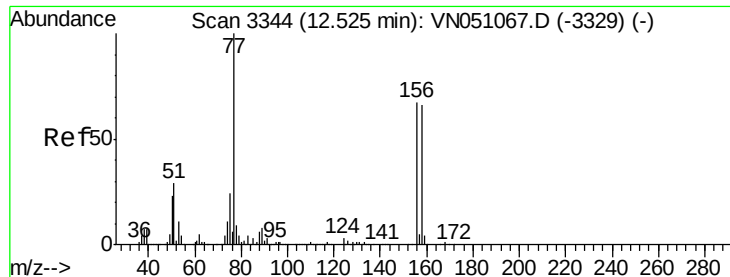
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051067.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN051067.D (-3347) (-)





#77

Bromobenzene

Concen: 18.924 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

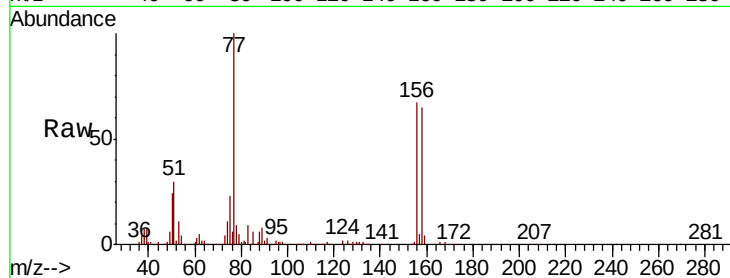
Tgt Ion:156 Resp: 179524

Ion Ratio Lower Upper

156 100

77 177.8 87.5 262.6

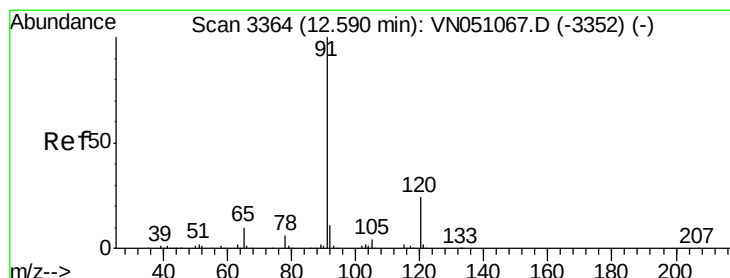
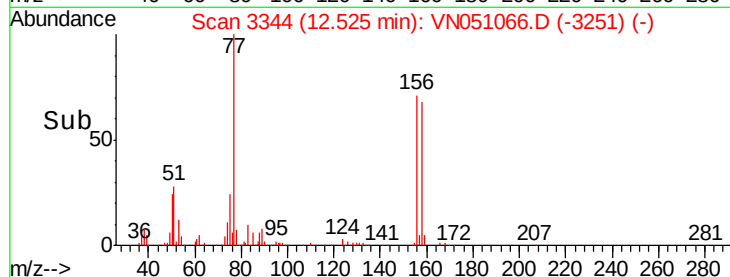
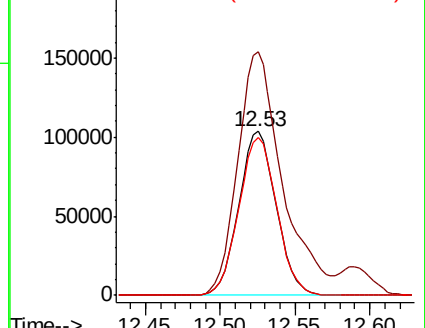
158 98.4 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.994 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051066.D

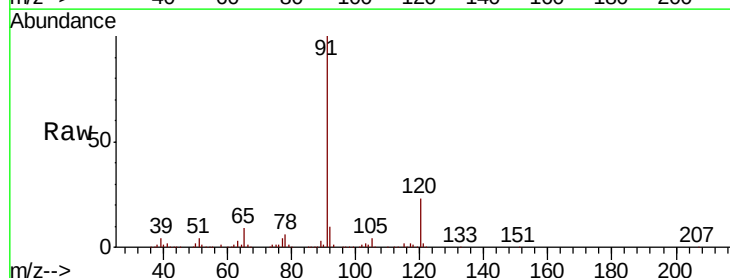
Acq: 10 Sep 2018 8:58

Tgt Ion: 91 Resp: 776211

Ion Ratio Lower Upper

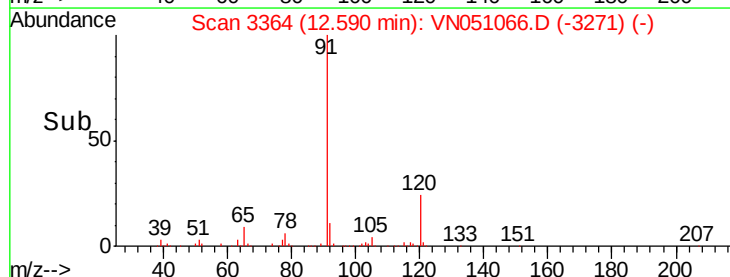
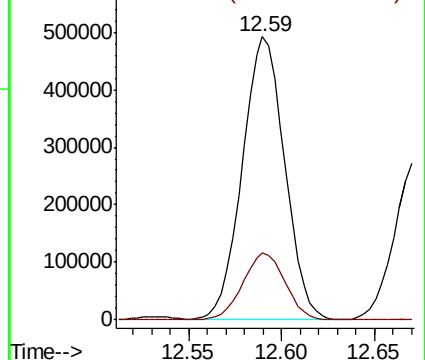
91 100

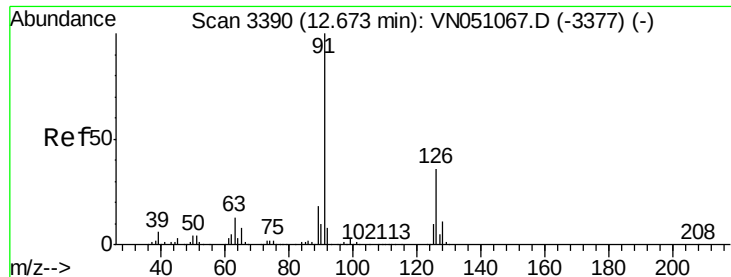
120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.477 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampled :

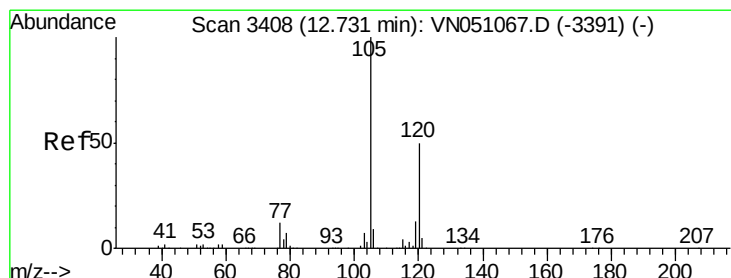
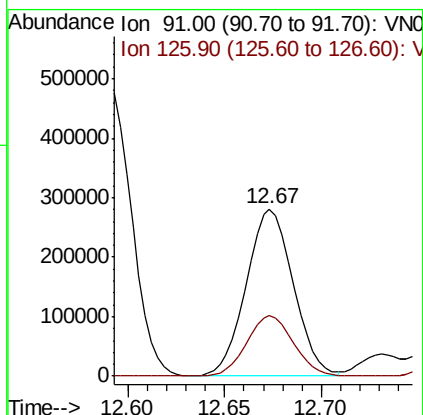
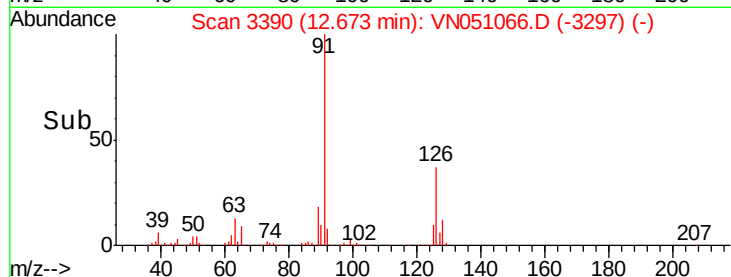
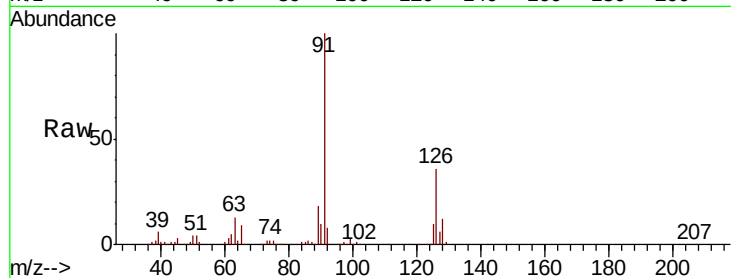
VSTDIC020

Tgt Ion: 91 Resp: 472602

Ion Ratio Lower Upper

91 100

126 36.2 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 20.276 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051066.D

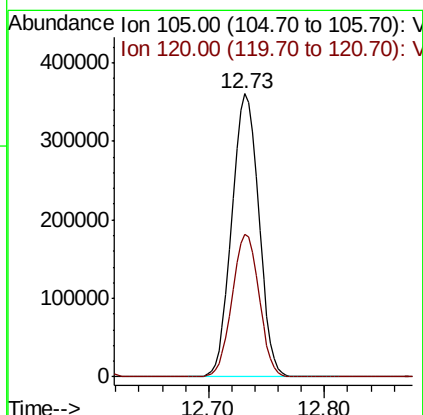
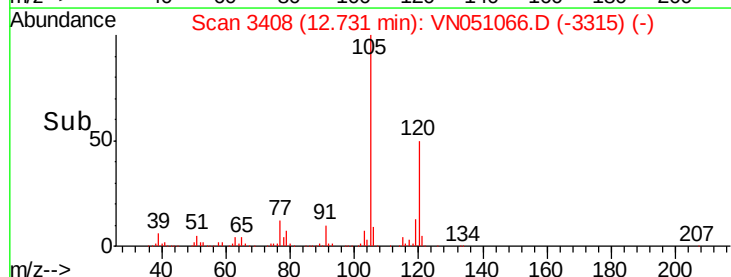
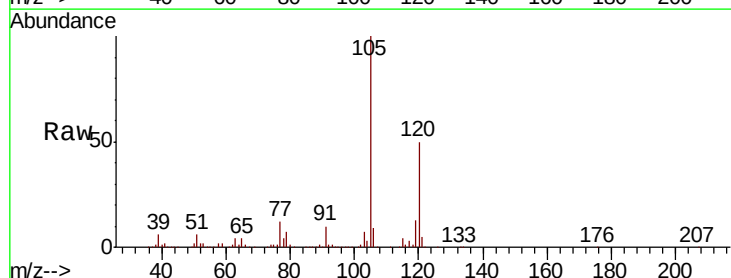
Acq: 10 Sep 2018 8:58

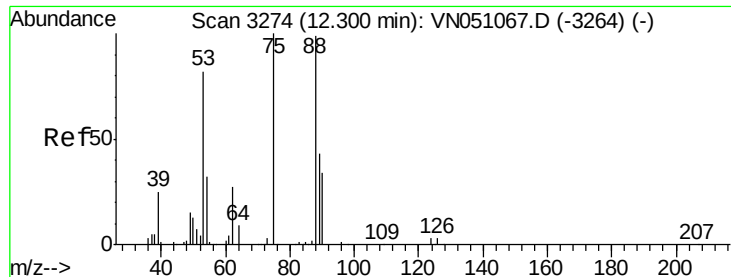
Tgt Ion: 105 Resp: 578993

Ion Ratio Lower Upper

105 100

120 50.4 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.969 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

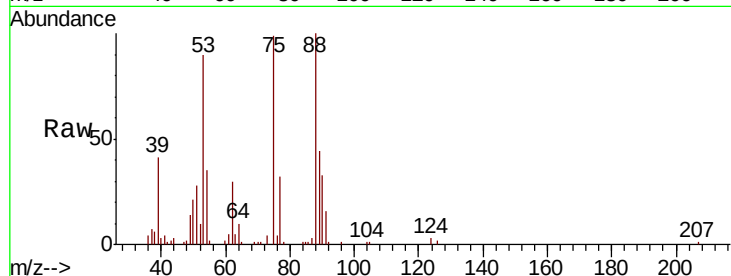
Tgt Ion: 75 Resp: 44283

Ion Ratio Lower Upper

75 100

53 91.2 67.8 101.8

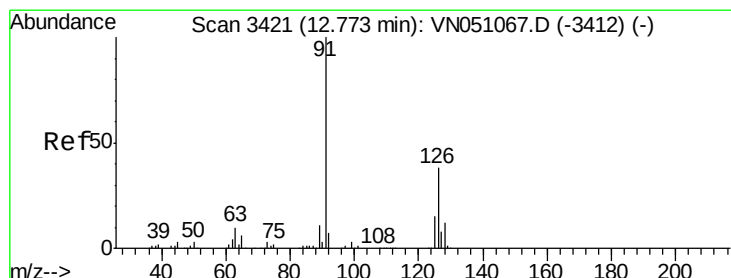
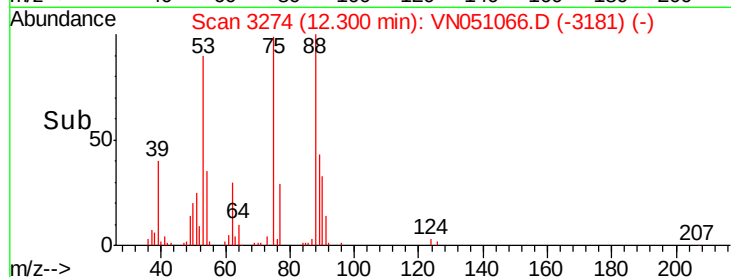
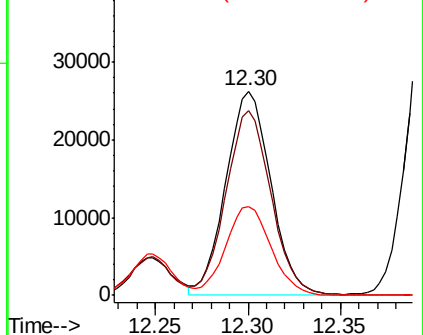
89 44.0 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN051066.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN051066.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN051066.D (-3181) (-)



#82

4-Chlorotoluene

Concen: 19.460 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051066.D

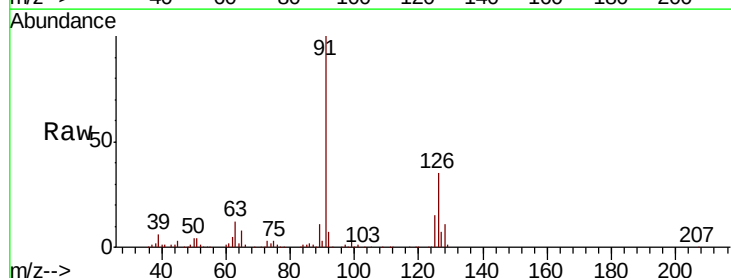
Acq: 10 Sep 2018 8:58

Tgt Ion: 91 Resp: 468724

Ion Ratio Lower Upper

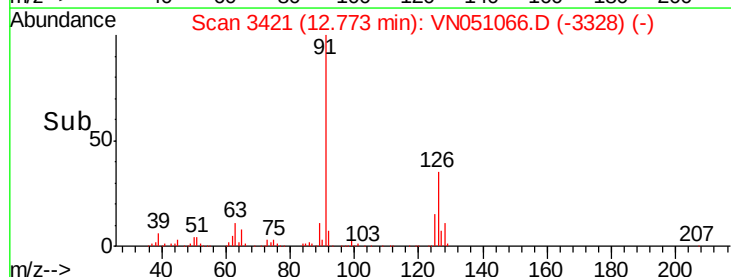
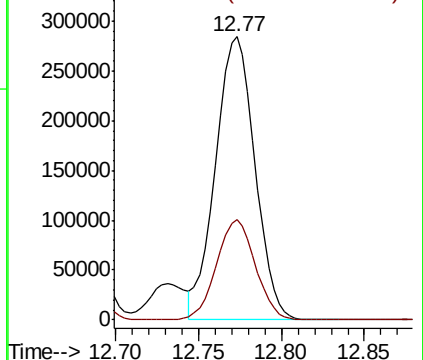
91 100

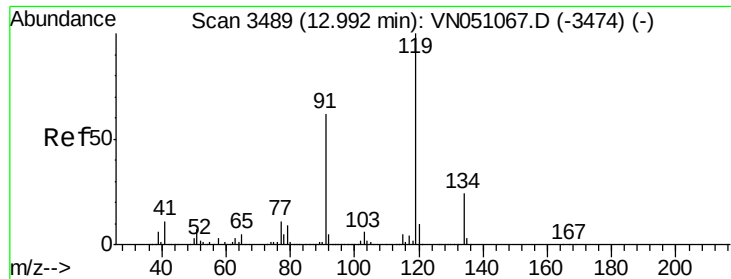
126 35.0 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN051066.D (-3328) (-)

Ion 125.90 (125.60 to 126.60): VN051066.D (-3328) (-)

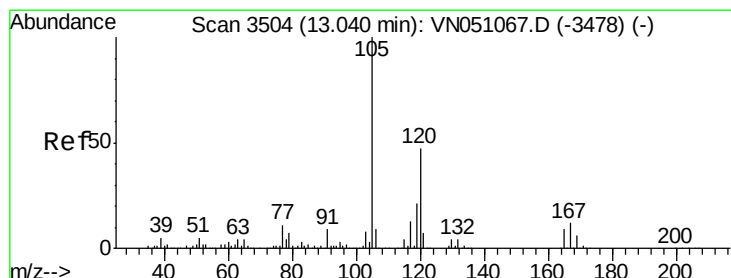
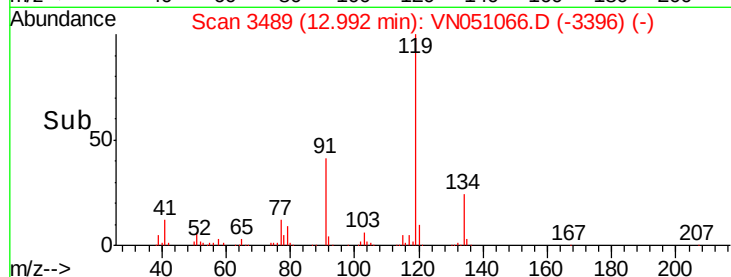
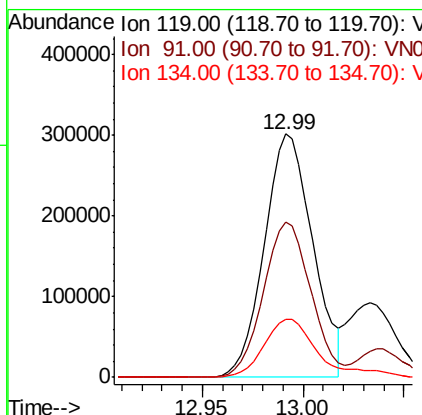
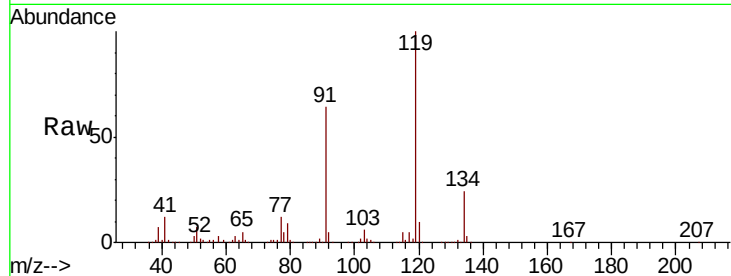




#83
 tert-Butylbenzene
 Concen: 19.980 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051066.D
 Acq: 10 Sep 2018 8:58

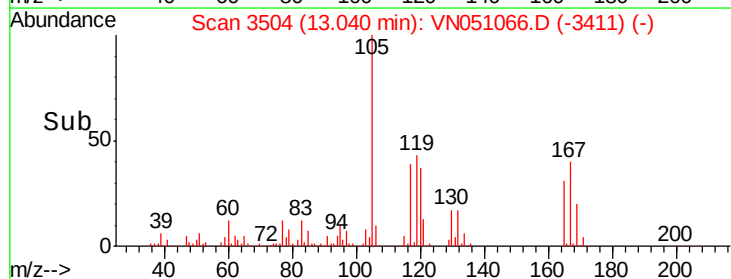
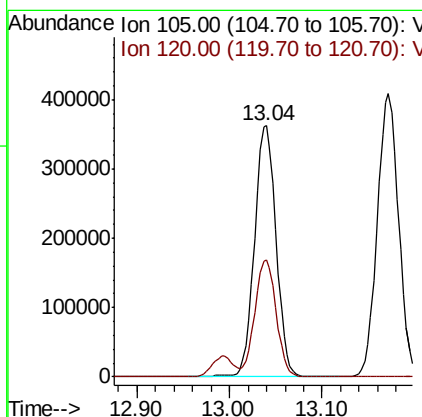
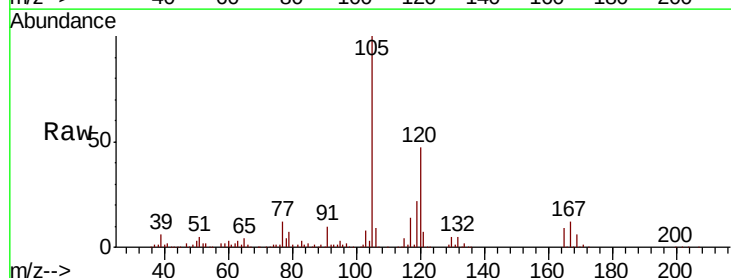
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

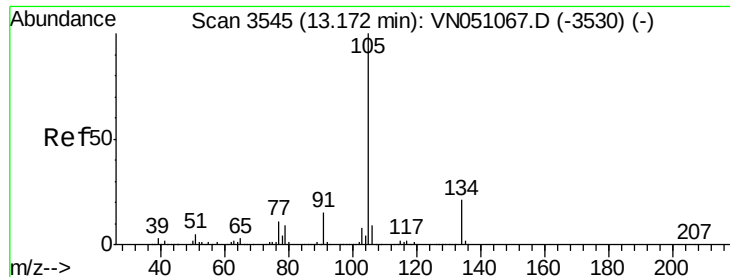
Tgt Ion:119 Resp: 503683
 Ion Ratio Lower Upper
 119 100
 91 62.6 30.8 92.3
 134 26.8 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.835 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051066.D
 Acq: 10 Sep 2018 8:58

Tgt Ion:105 Resp: 585001
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.3 69.8





#85

sec-Butylbenzene

Concen: 20.061 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampleId :

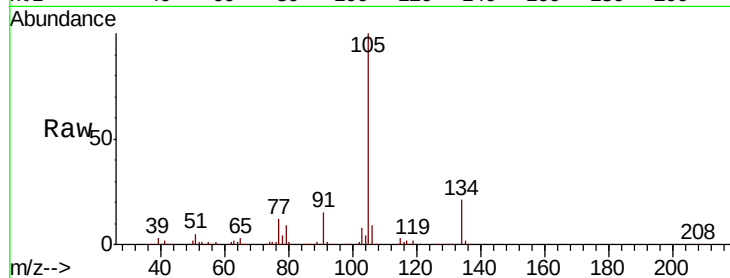
VSTDIC020

Tgt Ion:105 Resp: 648585

Ion Ratio Lower Upper

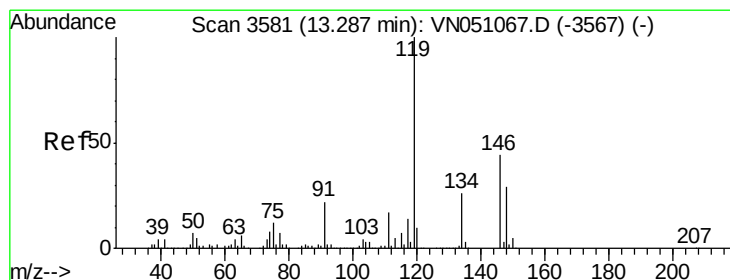
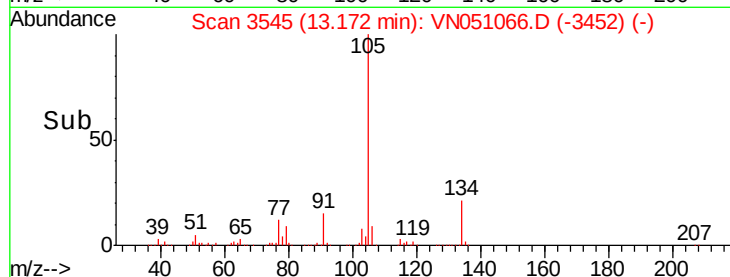
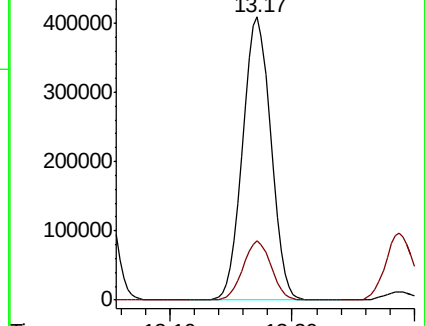
105 100

134 20.8 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.544 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

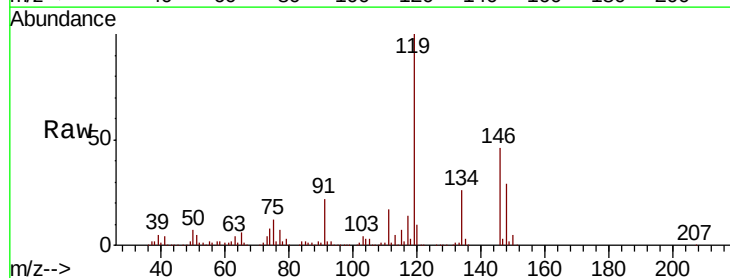
Tgt Ion:119 Resp: 563167

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

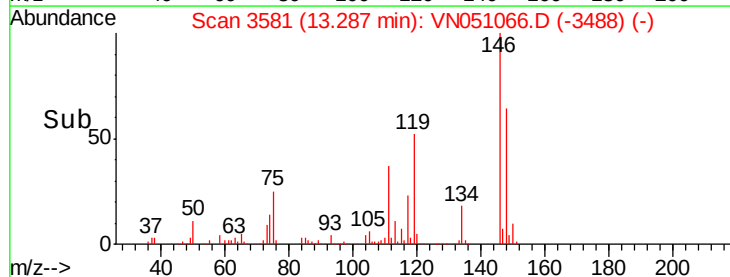
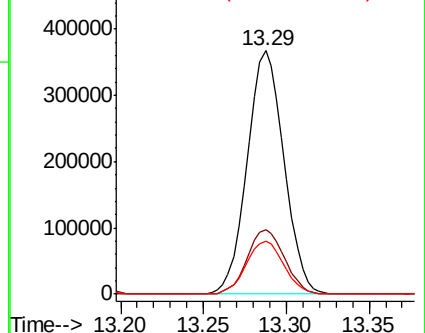
91 22.1 10.9 32.9

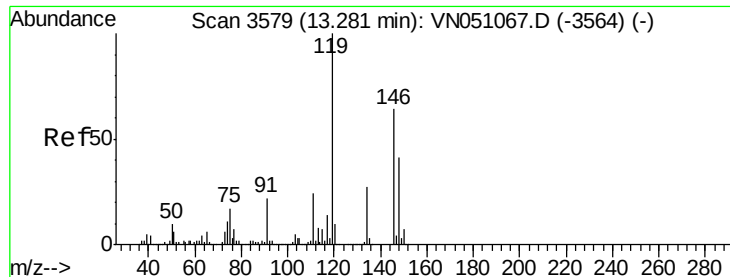


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

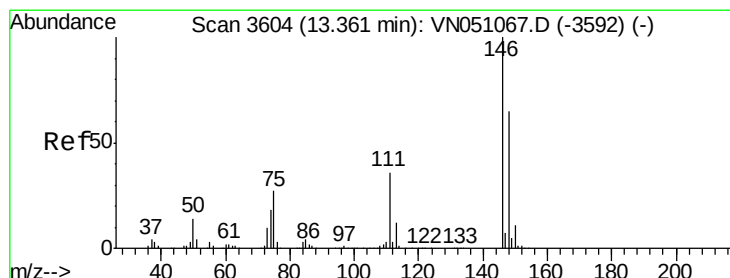
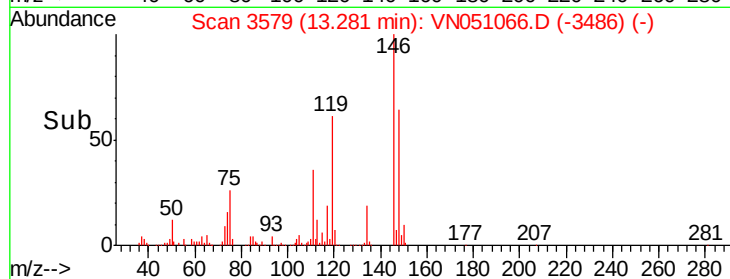
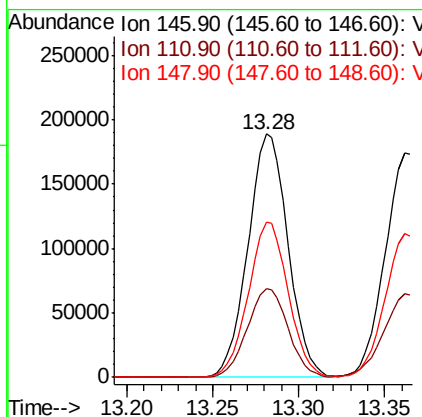
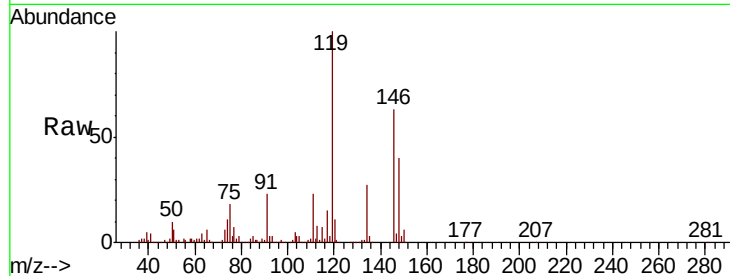




#87
 1,3-Dichlorobenzene
 Concen: 18.930 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051066.D
 Acq: 10 Sep 2018 8:58

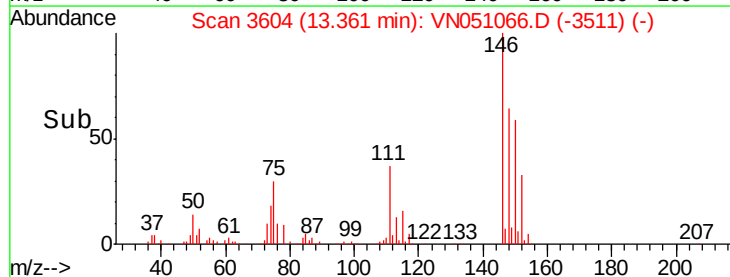
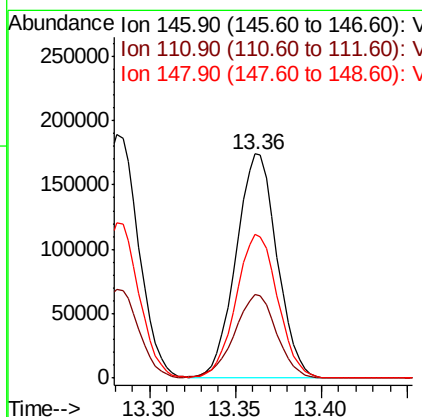
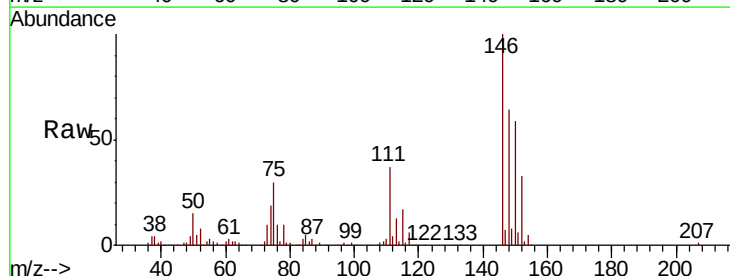
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

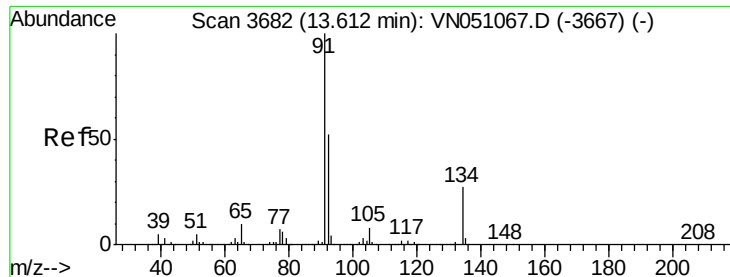
Tgt Ion:146 Resp: 304681
 Ion Ratio Lower Upper
 146 100
 111 37.2 19.1 57.1
 148 63.5 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 18.213 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051066.D
 Acq: 10 Sep 2018 8:58

Tgt Ion:146 Resp: 288910
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.4 55.0
 148 65.1 32.2 96.6





#89

n-Butylbenzene

Concen: 19.256 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

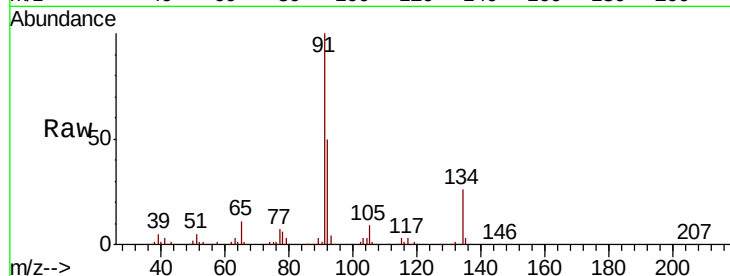
Tgt Ion: 91 Resp: 410834

Ion Ratio Lower Upper

91 100

92 50.9 26.2 78.6

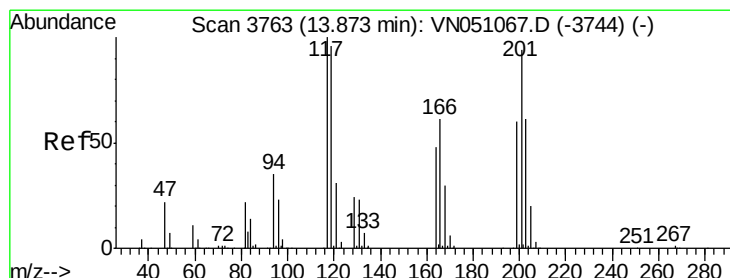
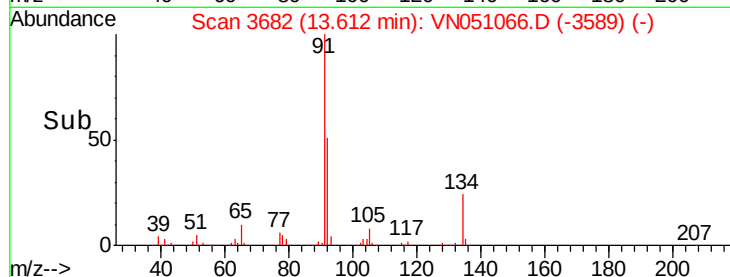
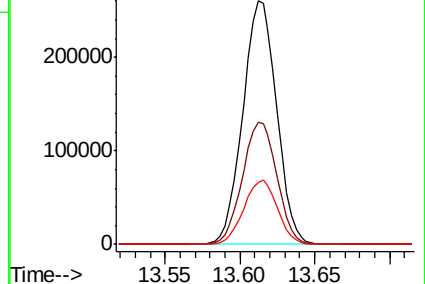
134 26.2 13.7 41.1



Abundance Ion 91.00 (90.70 to 91.70): VN051067.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN051067.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN051067.D (-3667) (-)



#90

Hexachloroethane

Concen: 18.391 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN051066.D

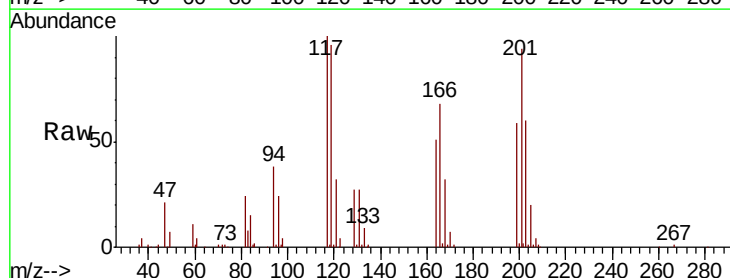
Acq: 10 Sep 2018 8:58

Tgt Ion: 117 Resp: 103039

Ion Ratio Lower Upper

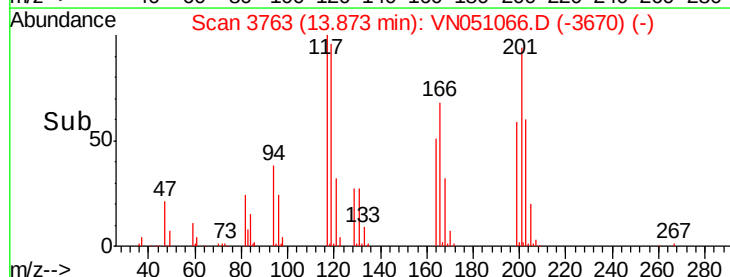
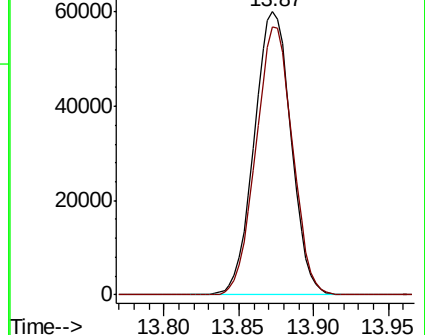
117 100

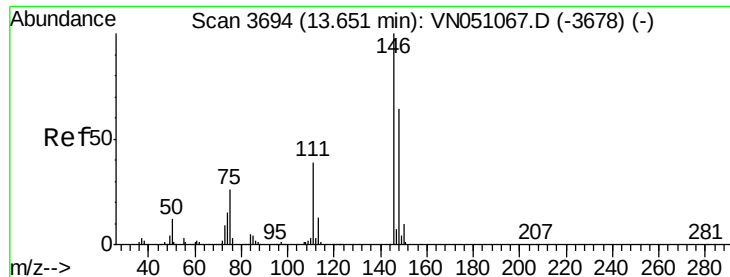
201 93.7 47.3 142.0



Abundance Ion 116.80 (116.50 to 117.50): VN051067.D (-3744) (-)

Ion 200.70 (200.40 to 201.40): VN051067.D (-3744) (-)

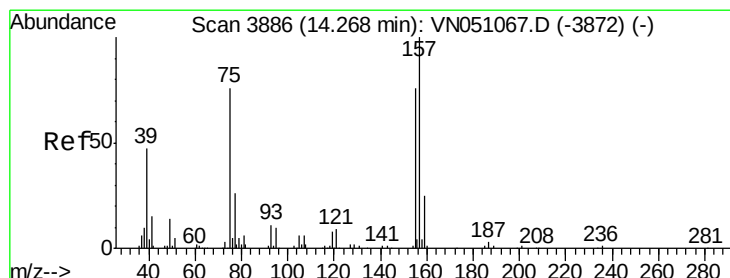
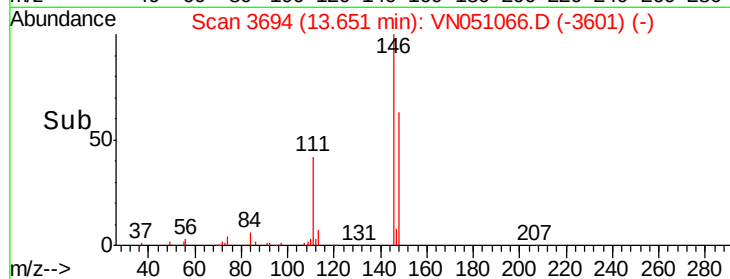
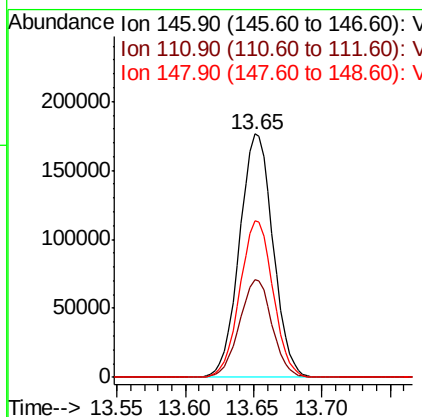
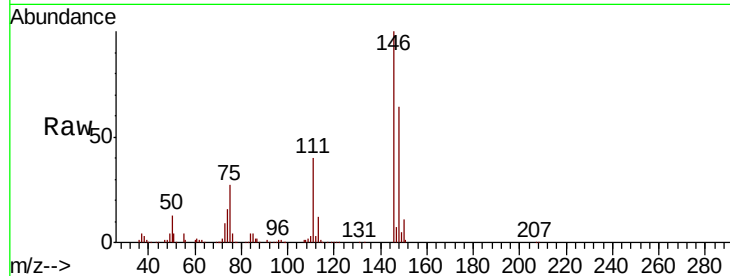




#91
 1,2-Dichlorobenzene
 Concen: 19.187 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051066.D
 Acq: 10 Sep 2018 8:58

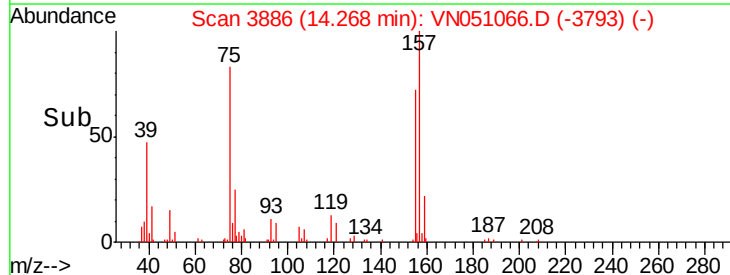
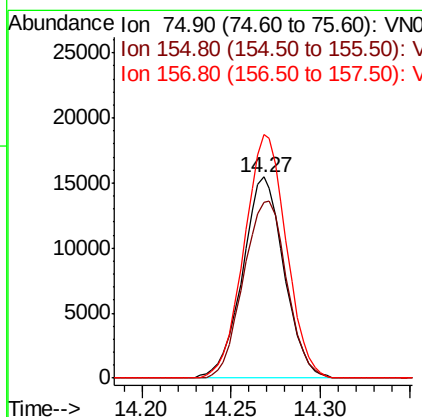
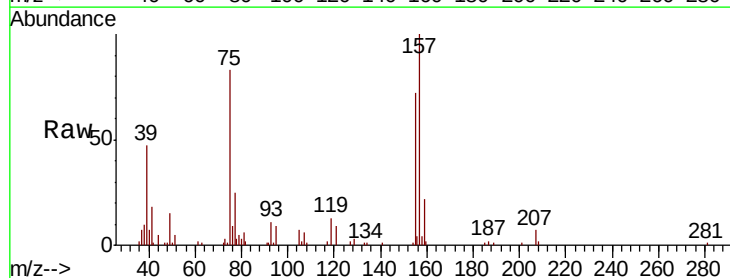
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

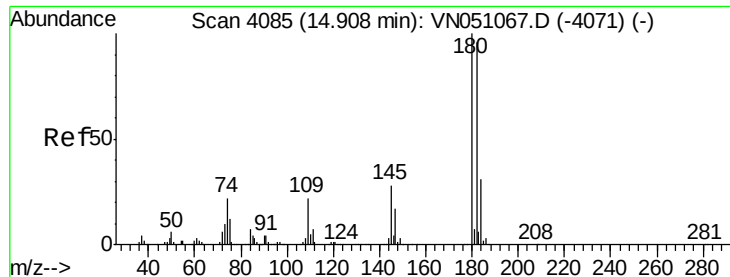
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.7	59.0
148	63.6	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.309 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051066.D
 Acq: 10 Sep 2018 8:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.7	48.7	146.1
157	122.8	63.6	190.9

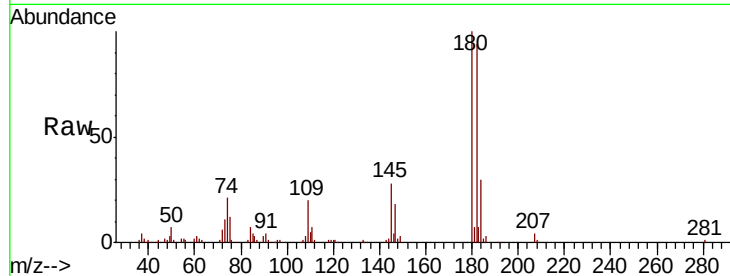




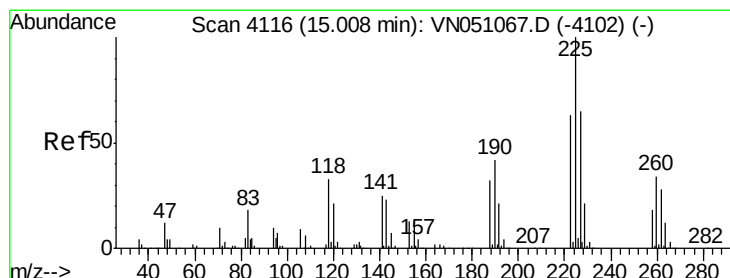
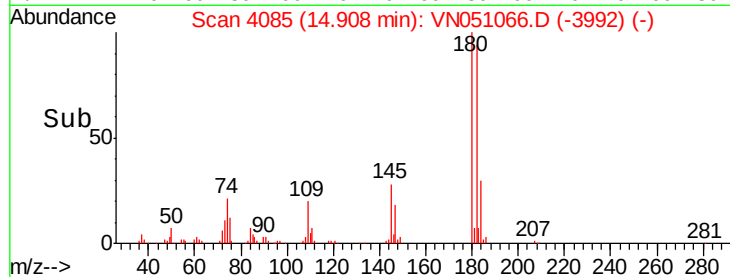
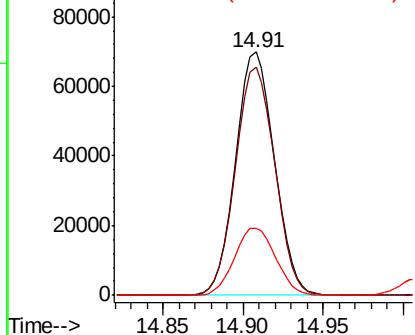
#93
 1,2,4-Trichlorobenzene
 Concen: 17.130 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051066.D
 Acq: 10 Sep 2018 8:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 115656
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.3 141.8
 145 29.1 14.2 42.6

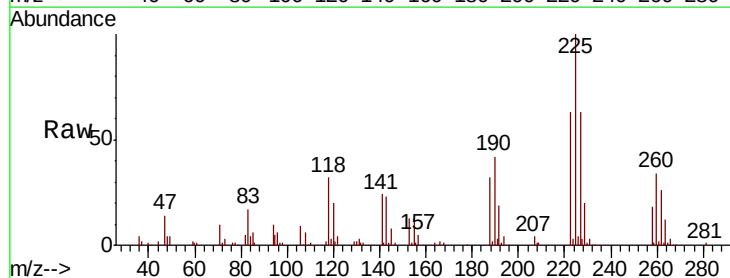


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

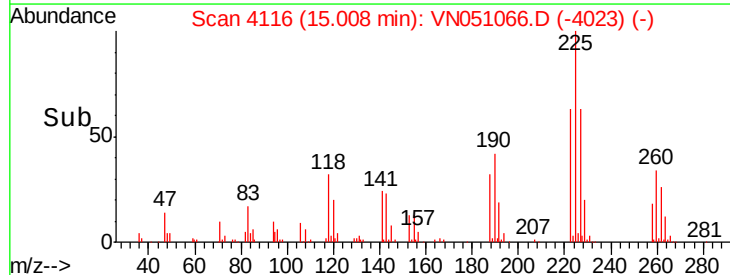
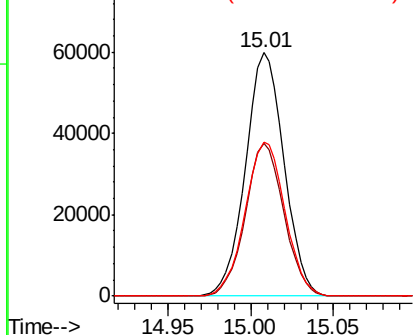


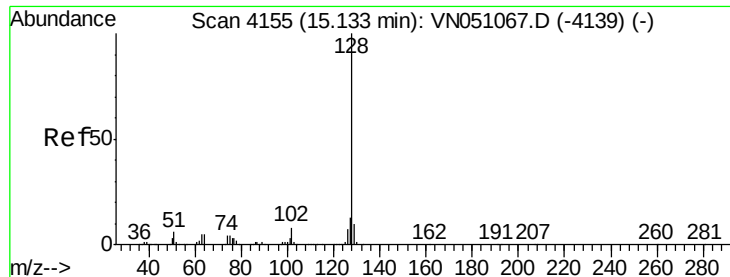
#94
 Hexachlorobutadiene
 Concen: 17.474 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051066.D
 Acq: 10 Sep 2018 8:58

Tgt Ion:225 Resp: 96564
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.4 94.0
 227 65.4 32.1 96.3



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: 15.429 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

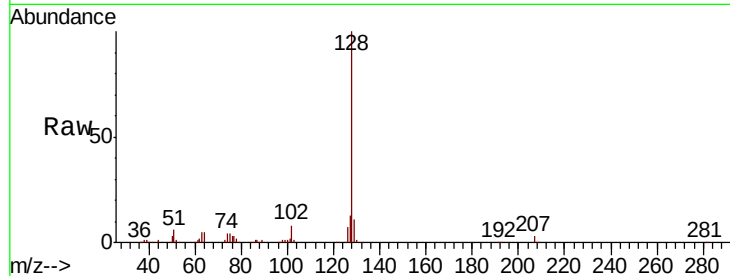
Tgt Ion:128 Resp: 220783

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

129 10.5 8.6 12.8



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

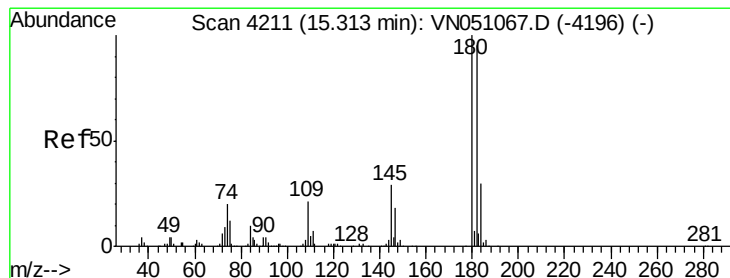
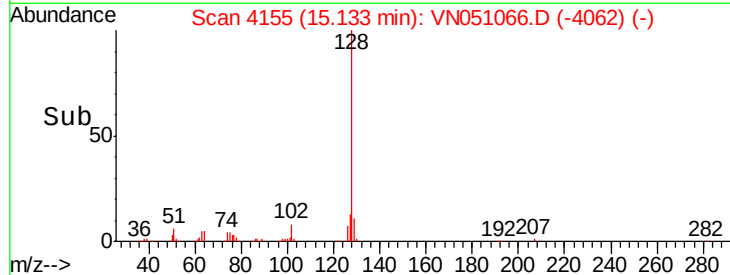
15.13

100000

50000

0

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 17.098 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051066.D

Acq: 10 Sep 2018 8:58

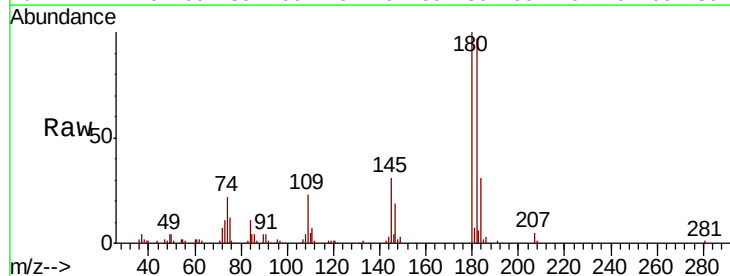
Tgt Ion:180 Resp: 119646

Ion Ratio Lower Upper

180 100

182 96.4 47.8 143.3

145 30.3 14.6 43.8



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

15.31

80000

60000

40000

20000

0

Time-->

