

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100518\
 Data File : VN051678.D
 Acq On : 5 Oct 2018 11:25
 Operator : MD\SY
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN100518

Quant Time: Oct 05 14:53:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 05 11:11:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	116349	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	669584	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	575179	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	243354	30.14	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.47%
60) 4-Bromofluorobenzene	12.40	95	241356	27.50	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.67%
63) Toluene-d8	10.09	98	793335	31.07	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	192874	28.419	ug/l 98
3) Chloromethane	2.06	50	151779	22.781	ug/l 98
4) Vinyl Chloride	2.18	62	230029	22.700	ug/l 97
5) Bromomethane	2.57	94	201513	25.581	ug/l 88
6) Chloroethane	2.70	64	149034	21.941	ug/l 99
7) Trichlorofluoromethane	3.01	101	256476	22.099	ug/l 95
8) Diethyl Ether	3.41	74	71673	23.121	ug/l 82
9) 1,1,2-Trichlorotrifluoroet	3.76	101	136435	22.924	ug/l 42
10) 1,1-Dichloroethene	3.73	96	123231	22.690	ug/l 91
11) Methyl Iodide	3.95	142	131360	18.839	ug/l 96
12) Methyl Acetate	4.33	43	94377	22.020	ug/l 100
13) Acrolein	3.61	56	30554	96.972	ug/l 89
14) Acrylonitrile	4.99	53	194006	110.866	ug/l # 62
15) Acetone	3.82	58	50262	120.187	ug/l 83
16) Carbon Disulfide	4.05	76	362275	23.320	ug/l 99
17) Allyl chloride	4.32	41	172531	21.780	ug/l 80
18) Methylene Chloride	4.55	84	134663	21.977	ug/l 97
19) trans-1,2-Dichloroethene	5.04	96	129903	21.158	ug/l 92
20) Diisopropyl ether	5.95	45	360865	20.283	ug/l # 90
21) 1,1-Dichloroethane	5.85	63	234551	21.124	ug/l 97
22) cis-1,2-Dichloroethene	6.83	96	151697	21.001	ug/l 89
23) tert-Butyl Alcohol	4.79	59	54003	119.473	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	369879	21.210	ug/l # 56
25) Chloroform	7.37	83	256971	20.467	ug/l 96
26) Cyclohexane	7.65	56	200463	21.246	ug/l # 83
29) 1,1-Dichloropropene	7.80	75	186557	20.963	ug/l 97
30) 2-Butanone	6.84	43	233005	107.506	ug/l # 92
31) 2,2-Dichloropropane	6.82	77	238779	21.537	ug/l # 81
32) 1,1,1-Trichloroethane	7.57	97	248786	20.788	ug/l 96
33) Carbon Tetrachloride	7.77	117	219825	20.261	ug/l 93
34) Benzene	8.04	78	547830	20.350	ug/l # 69
35) Methacrylonitrile	7.18	41	50981	21.314	ug/l 86
36) 1,2-Dichloroethane	8.12	62	188196	20.887	ug/l 98
37) Trichloroethene	8.84	130	156106	20.854	ug/l 100
38) Methylcyclohexane	9.08	83	235372	20.886	ug/l 84
39) 1,2-Dichloropropane	9.12	63	136387	20.684	ug/l 99
40) Dibromomethane	9.21	93	92953	20.377	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	209288	20.559	ug/l	92
42) Vinyl Acetate	5.90	43	1322260	103.539	ug/l #	94
43) Ethyl Acetate	6.93	43	94154	20.646	ug/l #	81
44) Isopropyl Acetate	8.17	43	210771	20.897	ug/l	99
45) 1,4-Dioxane	9.20	88	27658	433.998	ug/l #	82
46) Methyl methacrylate	9.20	41	97058	21.585	ug/l	88
48) t-1,3-Dichloropropene	10.38	75	201325	19.548	ug/l	95
49) cis-1,3-Dichloropropene	9.84	75	228391	20.576	ug/l	93
50) 1,1,2-Trichloroethane	10.56	97	129026	20.056	ug/l	96
51) Ethyl methacrylate	10.43	69	161801	19.776	ug/l	89
52) 1,3-Dichloropropane	10.71	76	205729	20.080	ug/l	96
53) Dibromochloromethane	10.90	129	159678	18.897	ug/l	96
54) 1,2-Dibromoethane	11.01	107	130478	19.333	ug/l	95
55) 2-Chloroethyl vinyl ether	9.70	63	343616	101.376	ug/l	97
56) Bromoform	12.13	173	104378	17.230	ug/l	96
58) 4-Methyl-2-Pentanone	9.98	43	526045	111.391	ug/l #	93
59) 2-Hexanone	10.75	43	358136	112.040	ug/l	95
61) Tetrachloroethene	10.63	164	140162	20.685	ug/l	95
62) Toluene	10.16	91	621719	21.339	ug/l	99
64) Chlorobenzene	11.43	112	385929	20.637	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.51	131	152181	19.994	ug/l	97
66) Ethyl Benzene	11.51	91	670565	20.459	ug/l	100
67) m/p-Xylenes	11.62	106	533435	40.692	ug/l	99
68) o-Xylene	11.95	106	259744	20.089	ug/l	92
69) Styrene	11.96	104	402544	19.513	ug/l	99
70) Isopropylbenzene	12.25	105	697069	20.064	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	149638	20.624	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	184437	31.866	ug/l	64
73) Bromobenzene	12.53	156	164292	19.661	ug/l	87
74) n-propylbenzene	12.59	91	769294	20.114	ug/l	97
75) 2-Chlorotoluene	12.67	91	441743	19.767	ug/l	95
76) 1,3,5-Trimethylbenzene	12.73	105	577950	19.604	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	43811	20.302	ug/l	98
78) 4-Chlorotoluene	12.77	91	441256	19.702	ug/l	93
79) tert-butylbenzene	12.99	119	520397	19.626	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	580738	19.804	ug/l	98
81) sec-Butylbenzene	13.17	105	705130	19.879	ug/l	98
82) p-Isopropyltoluene	13.29	119	618331	19.788	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	294258	19.692	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	269772	18.892	ug/l	98
85) n-Butylbenzene	13.62	91	491516	19.900	ug/l	97
86) Hexachloroethane	13.88	117	121821	19.704	ug/l	86
87) 1,2-Dichlorobenzene	13.65	146	279847	19.111	ug/l	95
88) 1,2-Dibromo-3-Chloropropan	14.27	75	25287	21.166	ug/l #	90
89) 1,2,4-Trichlorobenzene	14.91	180	137189	22.227	ug/l	98
90) Hexachlorobutadiene	15.01	225	102458	22.994	ug/l	98
91) Naphthalene	15.13	128	301192	21.783	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	145729	23.070	ug/l	92

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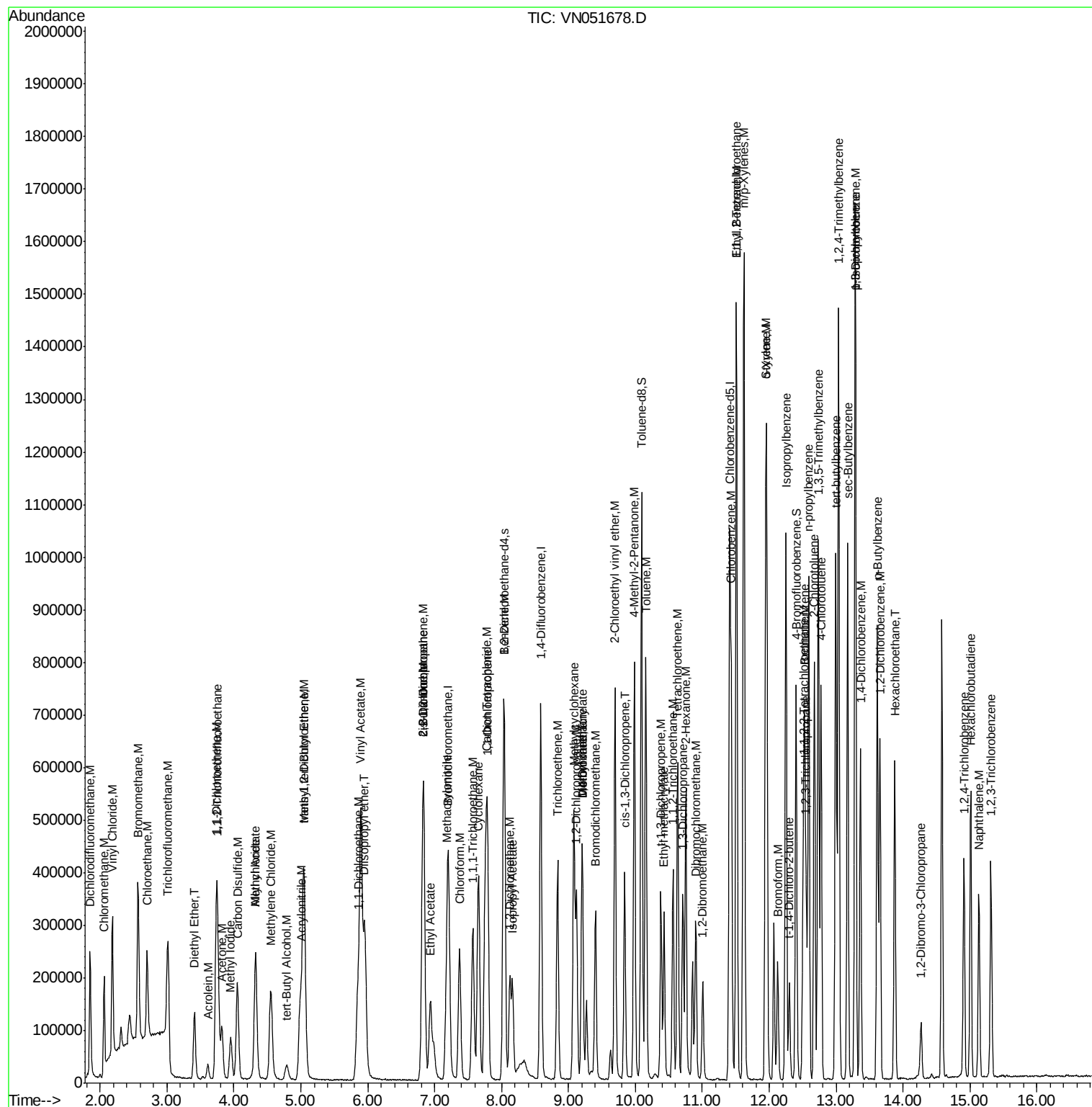
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

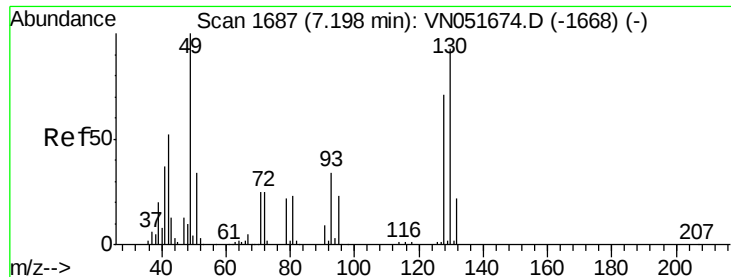
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

ICVFN100518

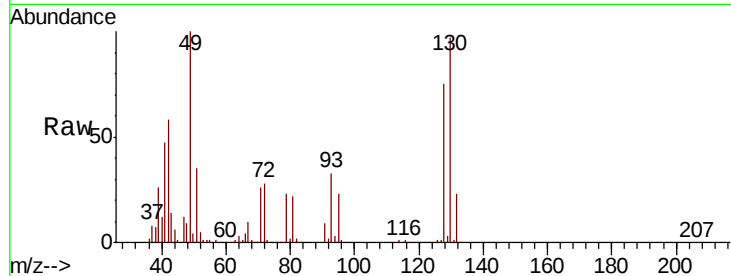
Tot Ion:128 Resp: 116349

Ion Ratio Lower Upper

128 100

49 136.9 0.0 403.3

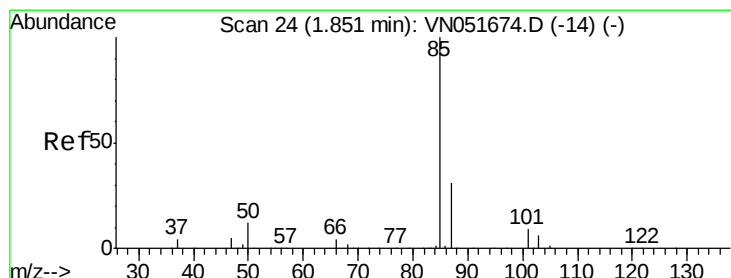
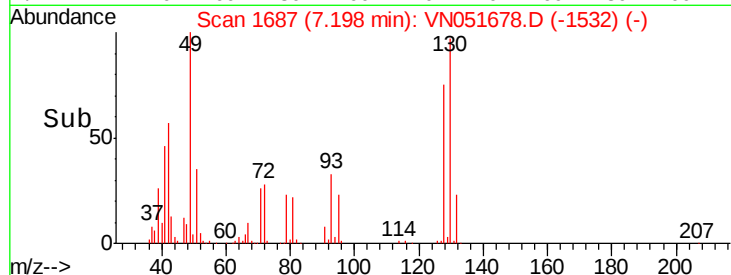
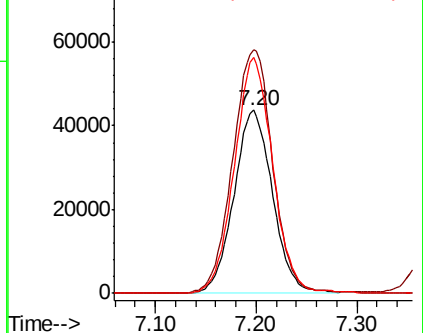
130 127.1 0.0 326.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 28.419 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051678.D

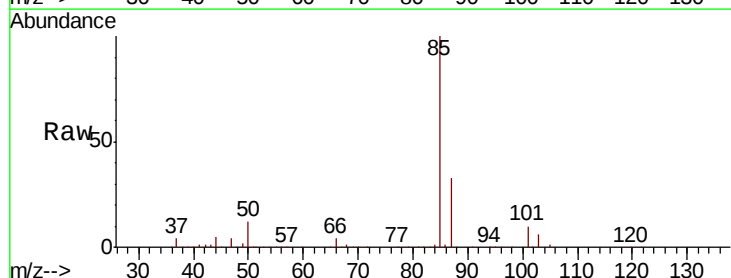
Acq: 5 Oct 2018 11:25

Tgt Ion: 85 Resp: 192874

Ion Ratio Lower Upper

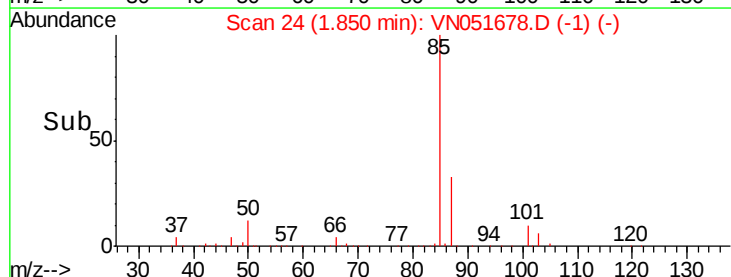
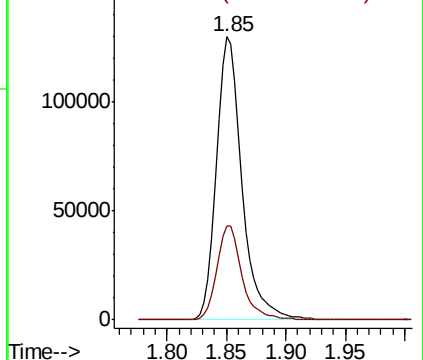
85 100

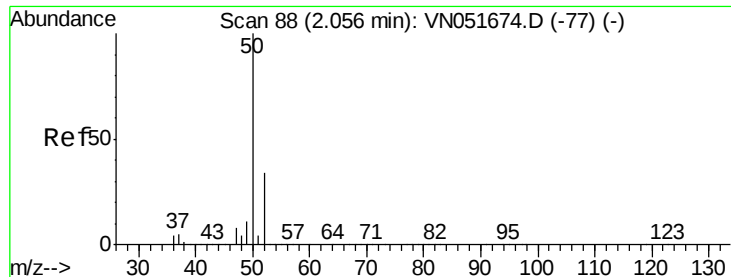
87 33.4 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 22.781 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

Instrument :

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ClientSampleId :

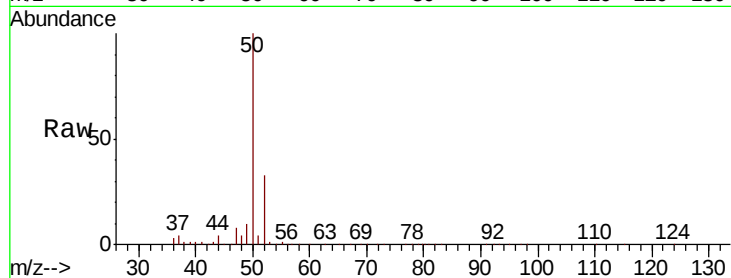
ICVFN100518

Tot Ion: 50 Resp: 151779

Ion Ratio Lower Upper

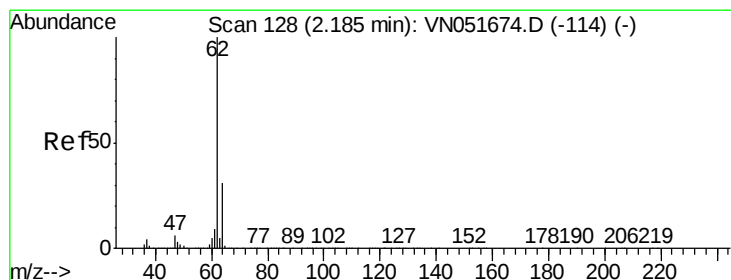
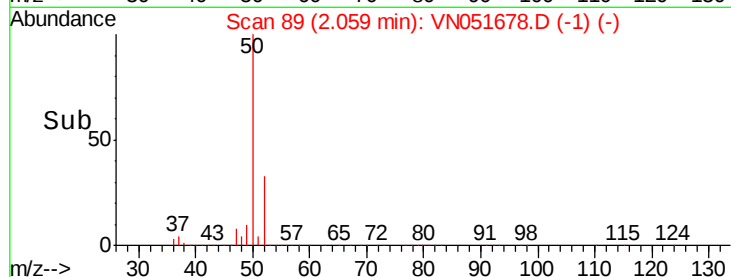
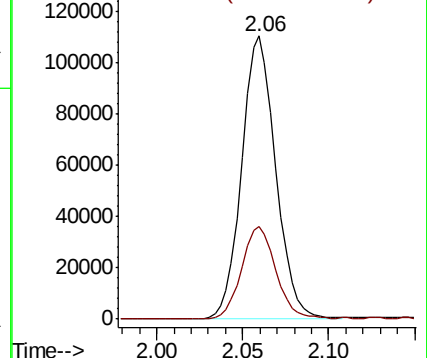
50 100

52 32.8 27.2 40.8



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 22.700 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051678.D

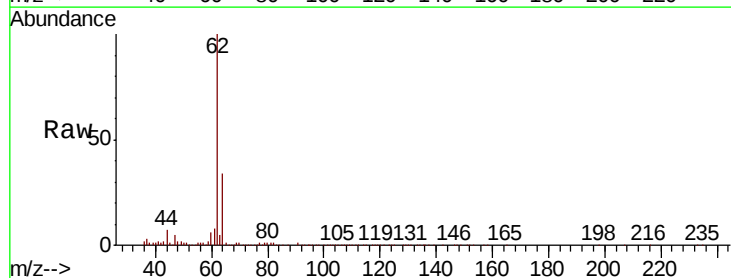
Acq: 5 Oct 2018 11:25

Tgt Ion: 62 Resp: 230029

Ion Ratio Lower Upper

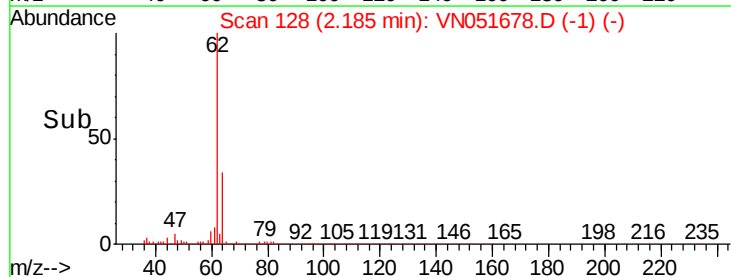
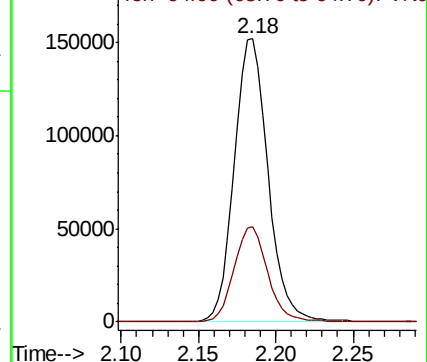
62 100

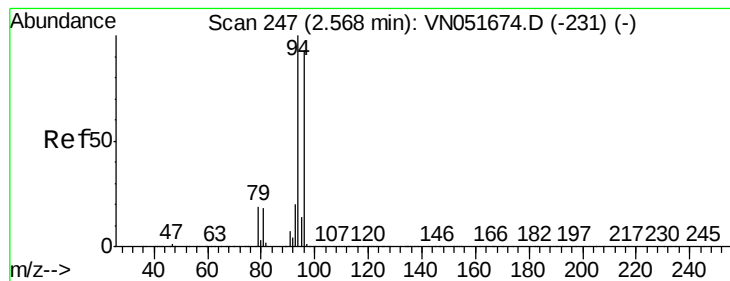
64 33.5 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 25.581 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

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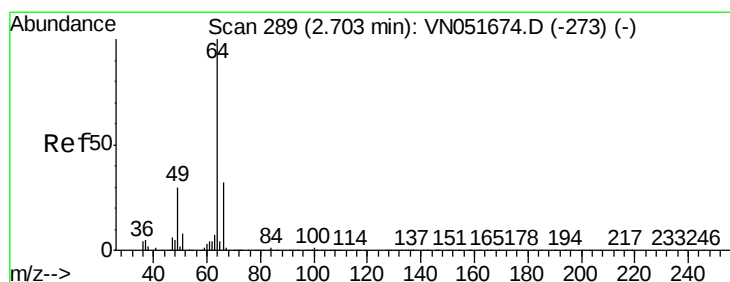
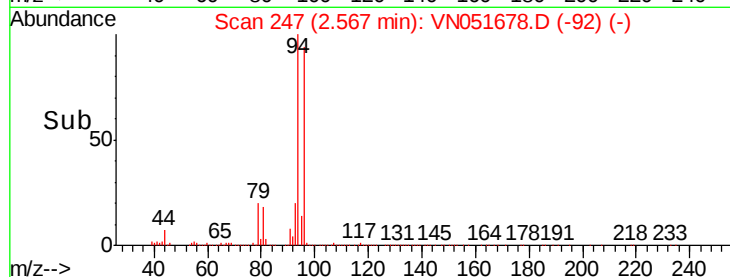
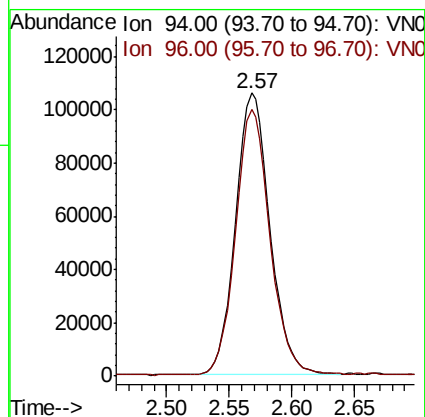
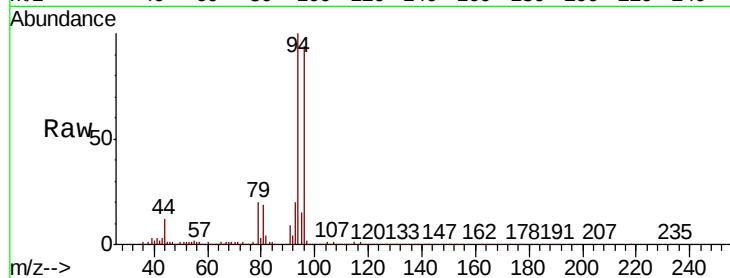
ICVFN100518

Tot Ion: 94 Resp: 201513

Ion Ratio Lower Upper

94 100

96 94.0 66.4 99.6



#6

Chloroethane

Concen: 21.941 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051678.D

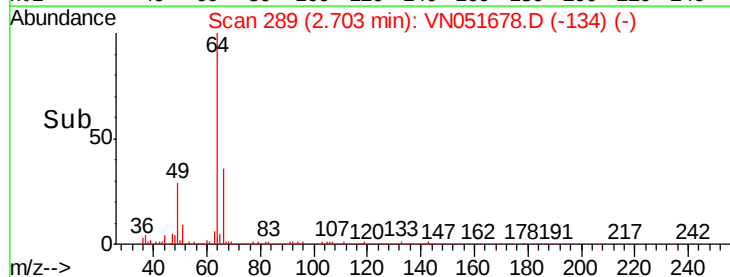
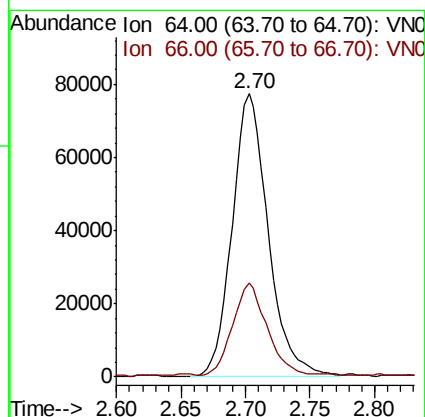
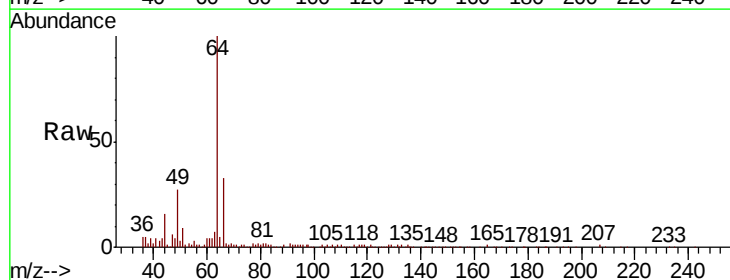
Acq: 5 Oct 2018 11:25

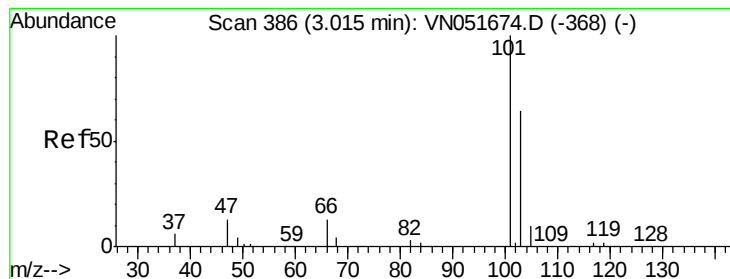
Tgt Ion: 64 Resp: 149034

Ion Ratio Lower Upper

64 100

66 32.7 25.8 38.6



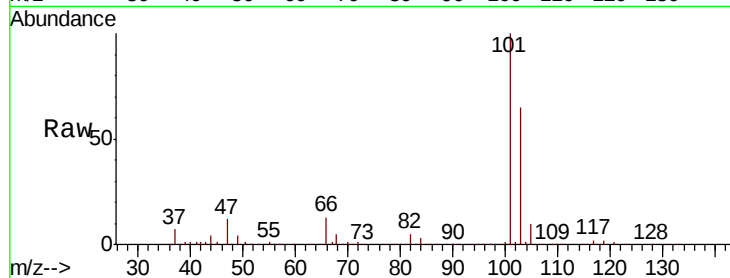


#7

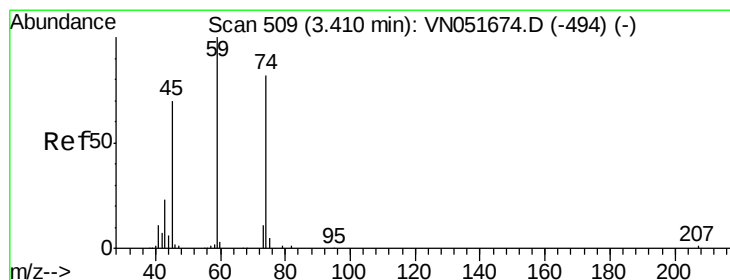
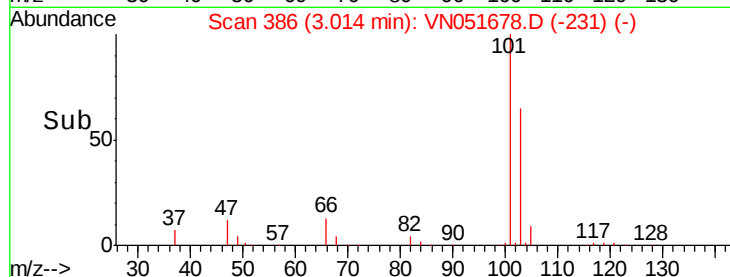
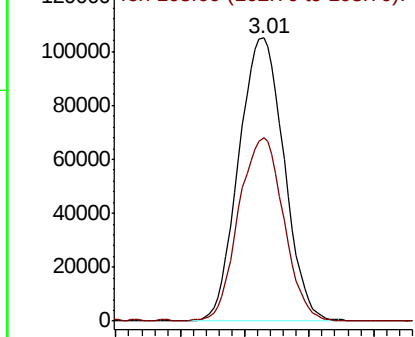
Trichlorofluoromethane
Concen: 22.099 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN051678.D
Acq: 5 Oct 2018 11:25

Instrument :
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ClientSampleId :
ICVFN100518

Tot Ion:101 Resp: 256476
Ion Ratio Lower Upper
101 100
103 64.4 54.8 82.2



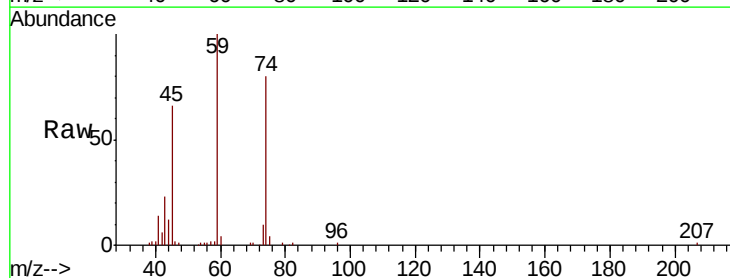
Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



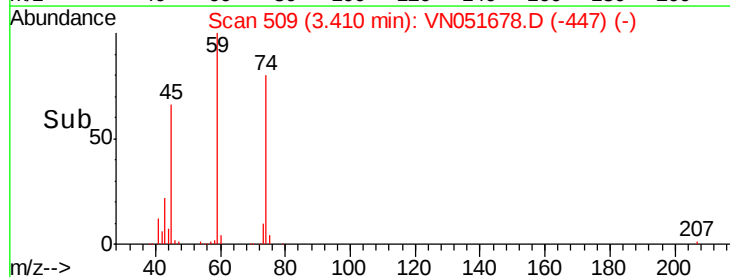
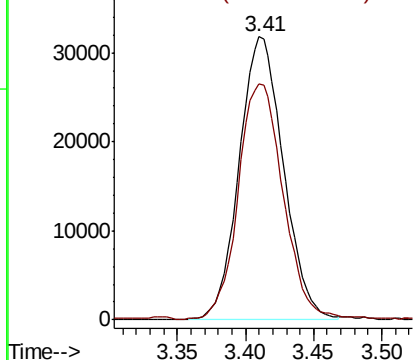
#8

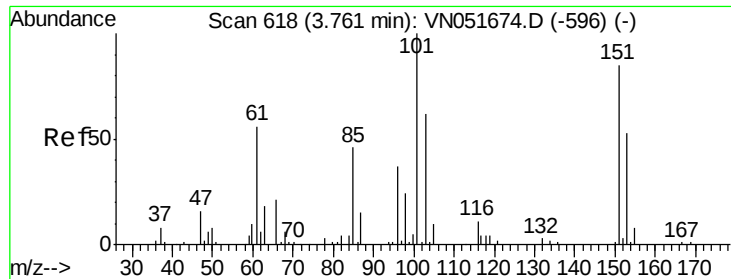
Diethyl Ether
Concen: 23.121 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN051678.D
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Tgt Ion: 74 Resp: 71673
Ion Ratio Lower Upper
74 100
45 84.8 20.7 186.5



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

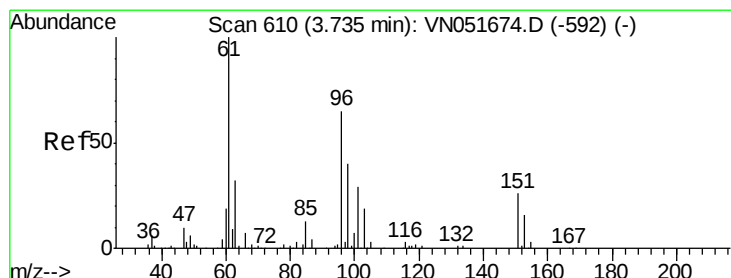
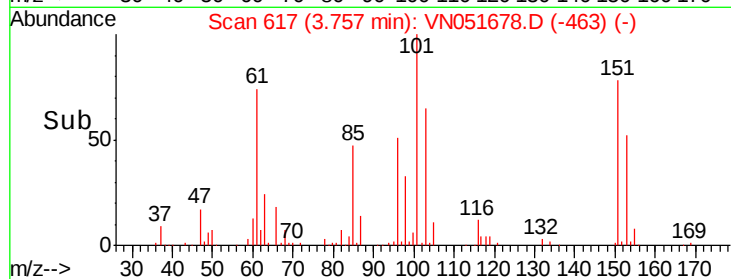
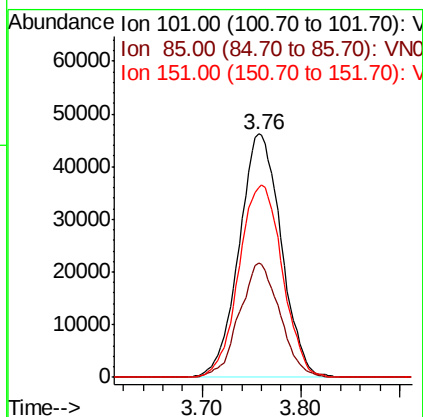
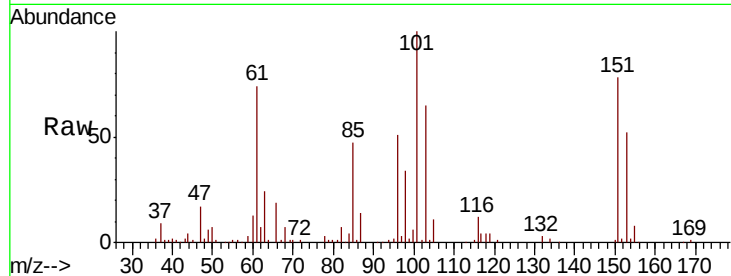




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 22.924 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: VN051678.D
 Acq: 5 Oct 2018 11:25

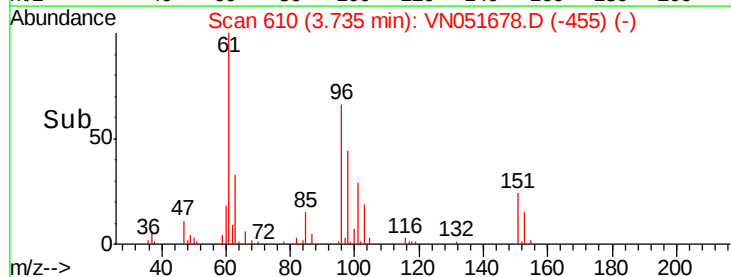
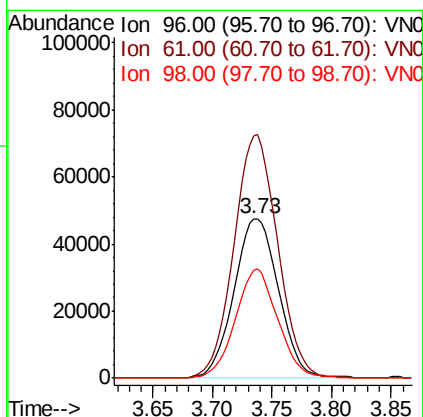
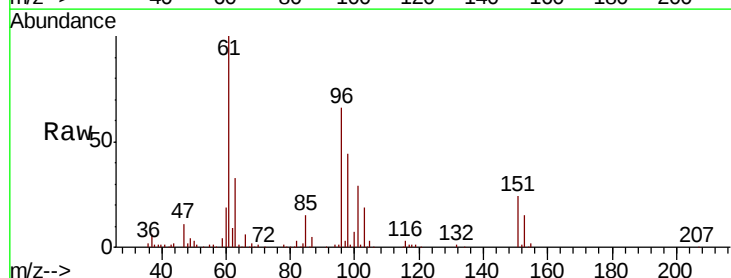
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN100518

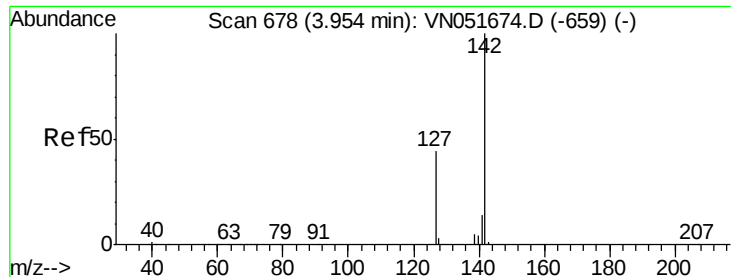
Tot Ion:101 Resp: 136435
 Ion Ratio Lower Upper
 101 100
 85 45.2 0.0 46.0
 151 81.5 0.0 82.2



#10
 1,1-Dichloroethene
 Concen: 22.690 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051678.D
 Acq: 5 Oct 2018 11:25

Tgt Ion: 96 Resp: 123231
 Ion Ratio Lower Upper
 96 100
 61 151.1 133.0 199.6
 98 67.0 52.6 78.8

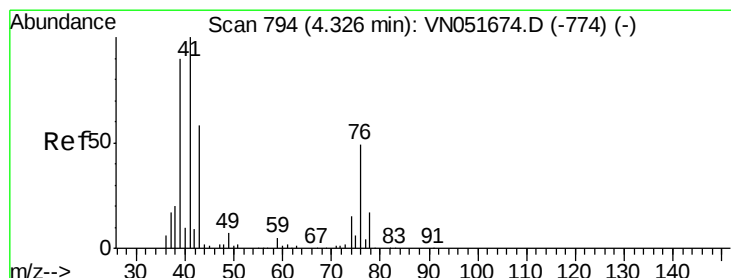
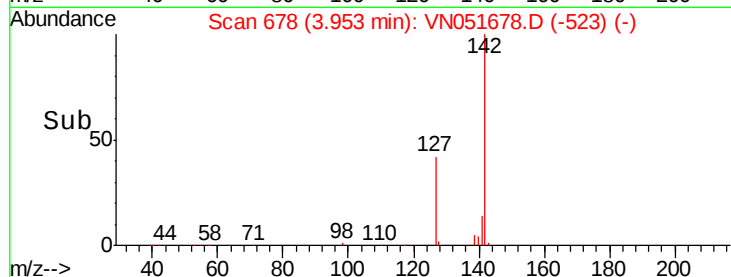
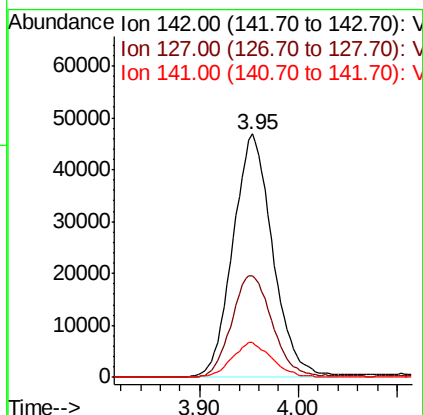
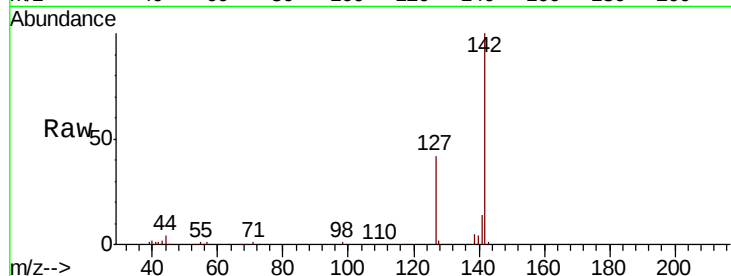




#11
Methyl Iodide
Concen: 18.839 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051678.D
Acq: 5 Oct 2018 11:25

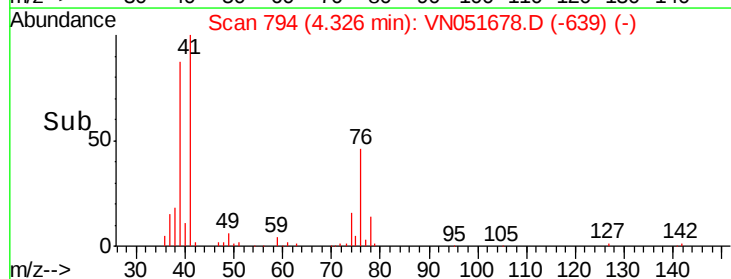
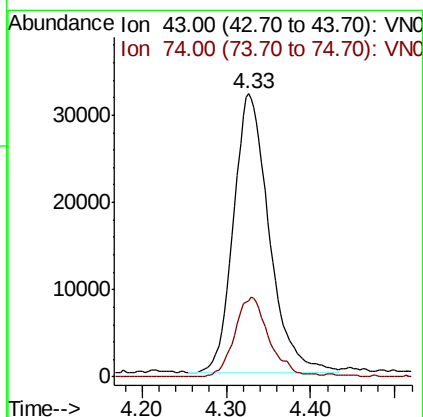
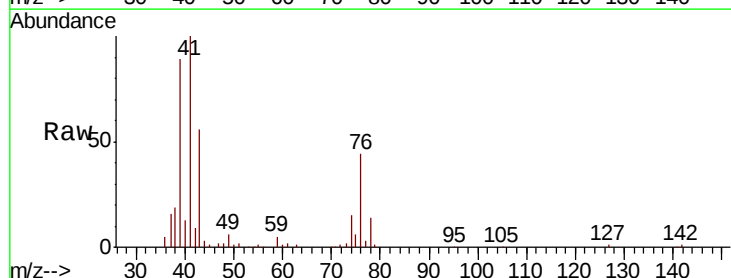
Instrument :
MSVOA_N
ClientSampleId :
ICVVN100518

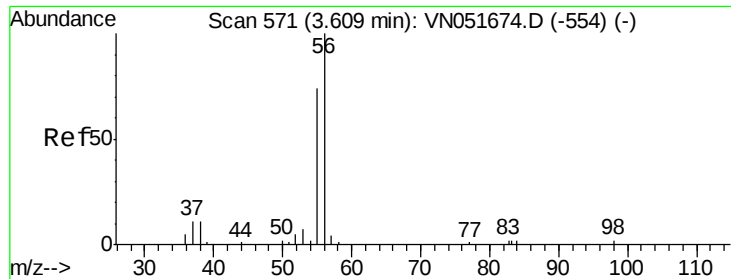
Tot Ion:142 Resp: 131360
Ion Ratio Lower Upper
142 100
127 41.5 19.7 59.0
141 14.4 6.3 18.9



#12
Methyl Acetate
Concen: 22.020 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051678.D
Acq: 5 Oct 2018 11:25

Tgt Ion: 43 Resp: 94377
Ion Ratio Lower Upper
43 100
74 27.3 21.8 32.6





#13

Acrolein

Concen: 96.972 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

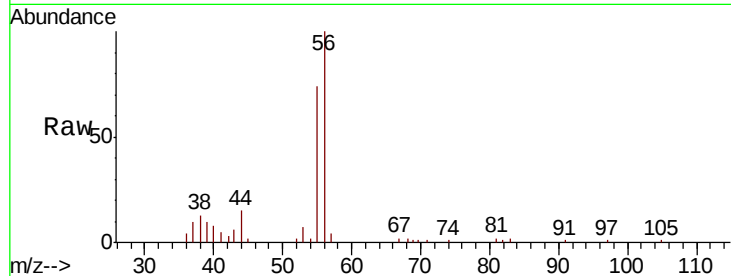
ICVFN100518

Tot Ion: 56 Resp: 30554

Ion Ratio Lower Upper

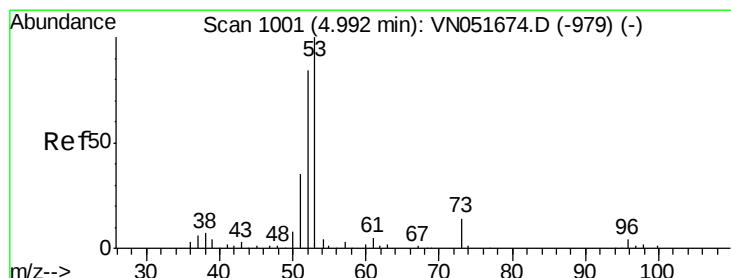
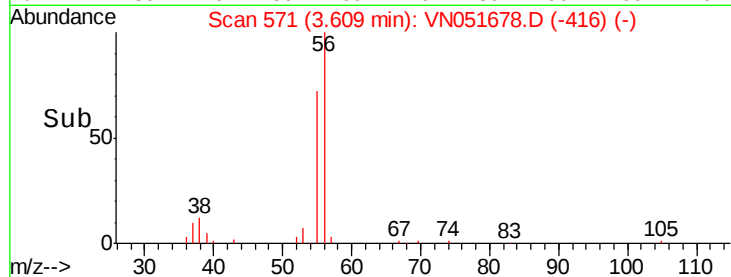
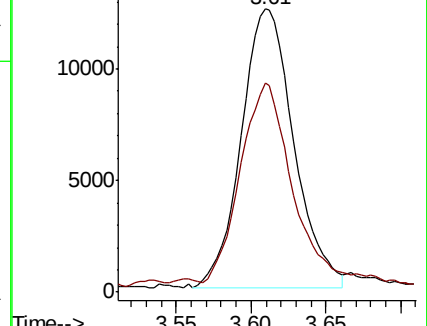
56 100

55 70.2 64.0 96.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 110.866 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

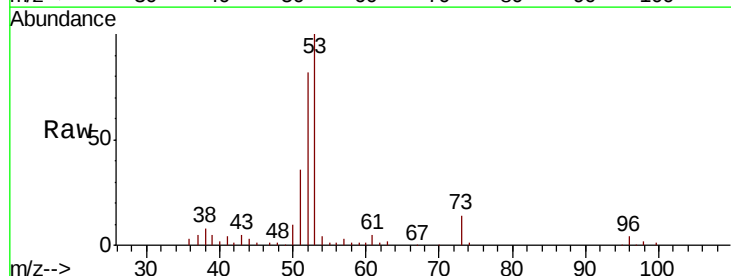
Tgt Ion: 53 Resp: 194006

Ion Ratio Lower Upper

53 100

52 79.6 18.3 54.8#

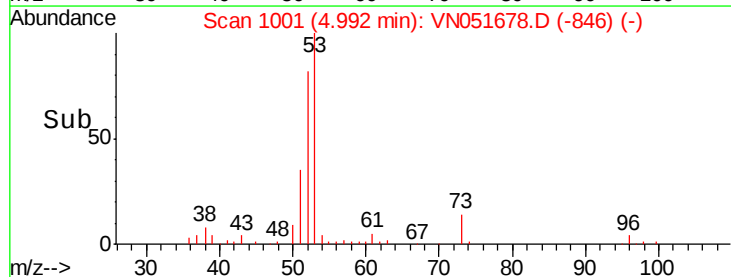
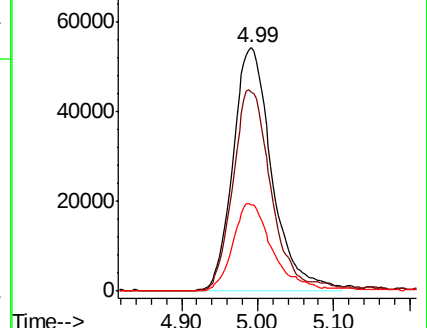
51 36.4 19.7 59.1

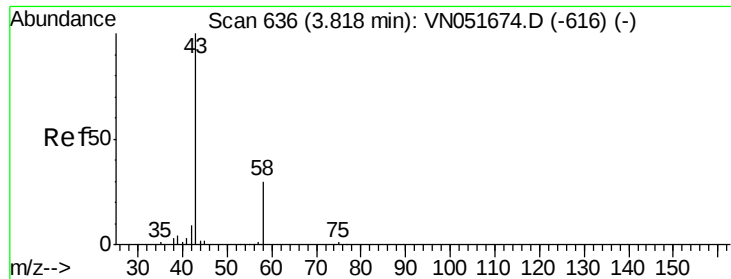


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 120.187 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

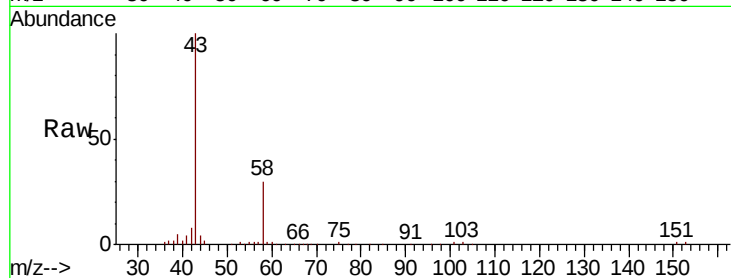
ICVFN100518

Tot Ion: 58 Resp: 50262

Ion Ratio Lower Upper

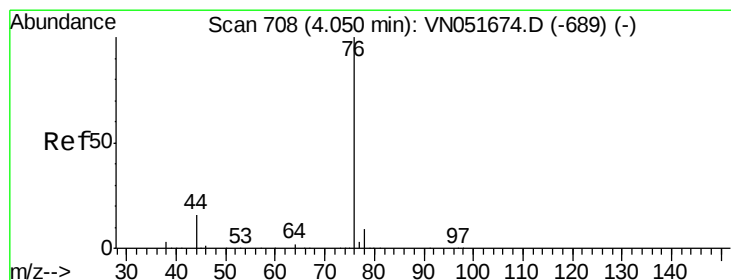
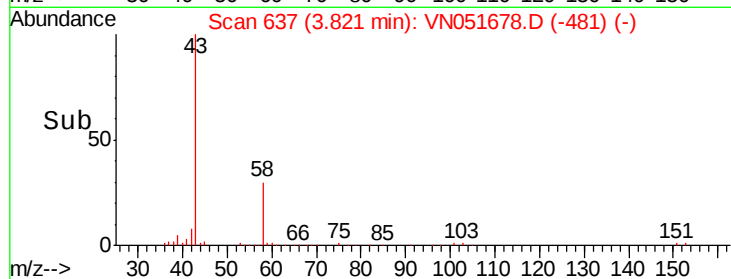
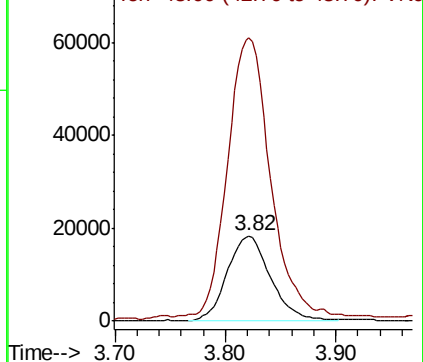
58 100

43 323.7 232.2 348.2



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 23.320 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051678.D

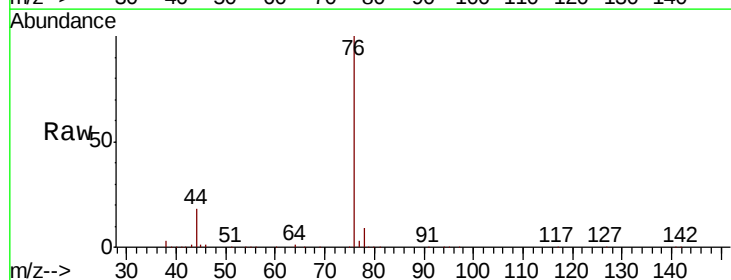
Acq: 5 Oct 2018 11:25

Tgt Ion: 76 Resp: 362275

Ion Ratio Lower Upper

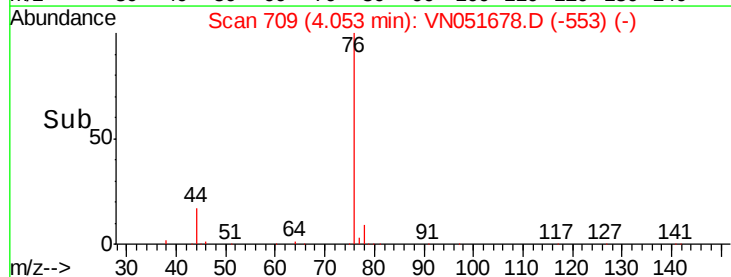
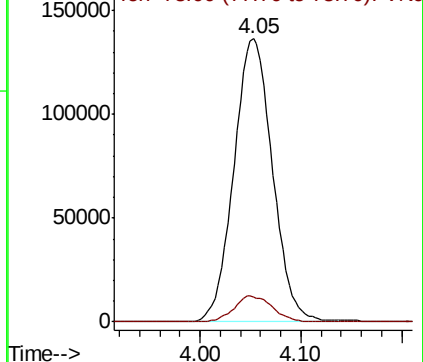
76 100

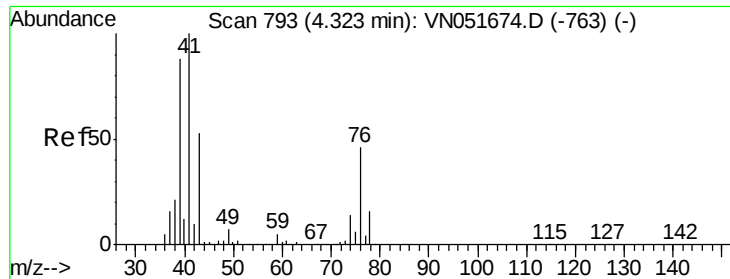
78 8.7 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

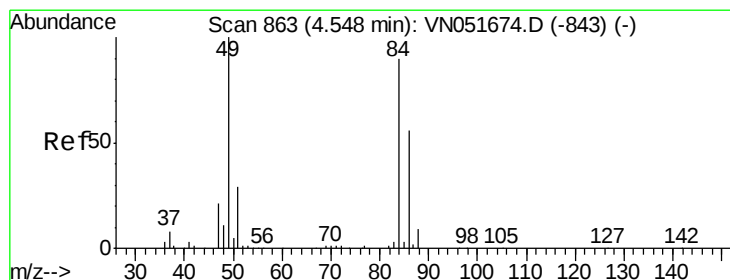
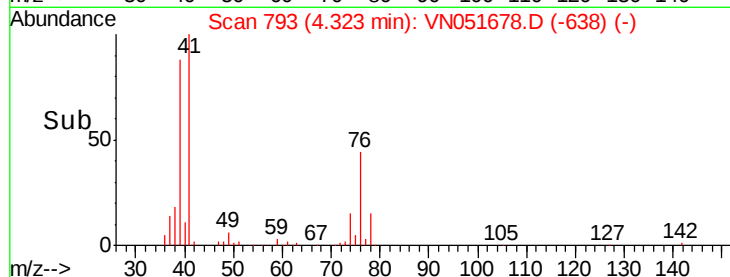
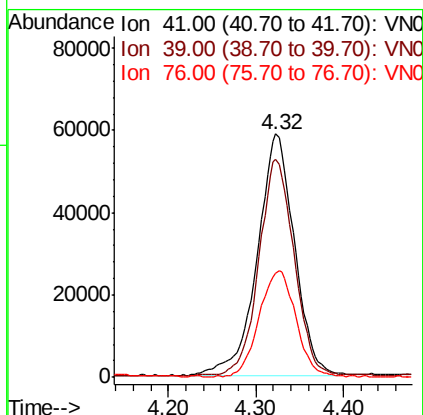
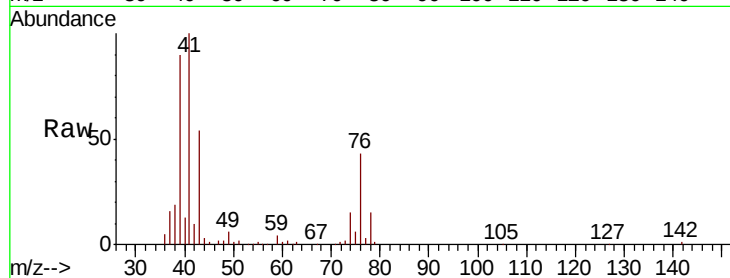




#17
Allvl chloride
Concen: 21.780 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN051678.D
Acq: 5 Oct 2018 11:25

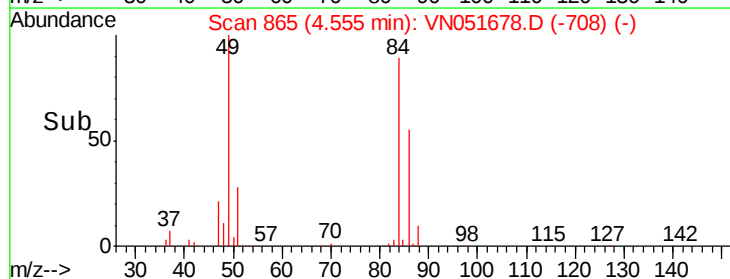
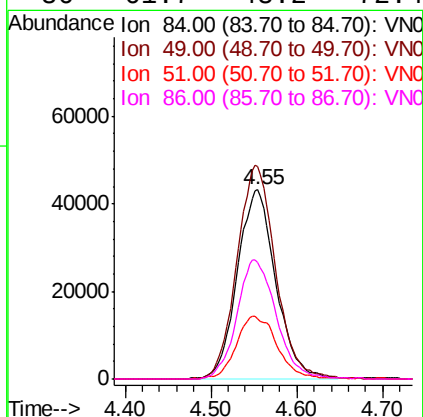
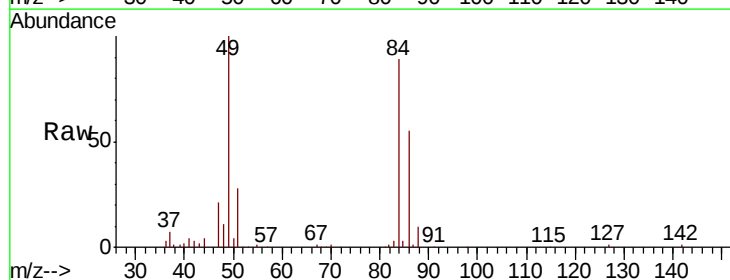
Instrument :
MSVOA_N
ClientSampleId :
ICVVN100518

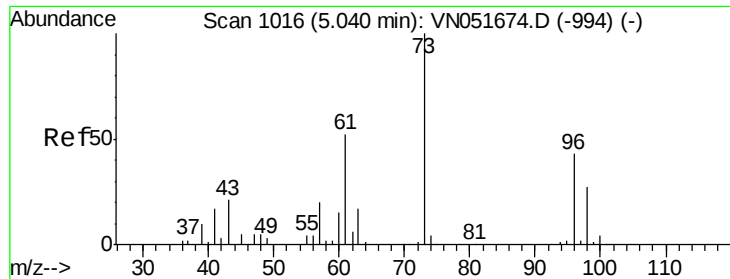
Tot Ion	Ratio	Lower	Upper
41	100		
39	89.5	32.6	97.8
76	42.6	20.2	60.5



#18
Methylene Chloride
Concen: 21.977 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.01 min
Lab File: VN051678.D
Acq: 5 Oct 2018 11:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.4	91.6	137.4
51	32.0	29.8	44.6
86	61.7	48.2	72.4

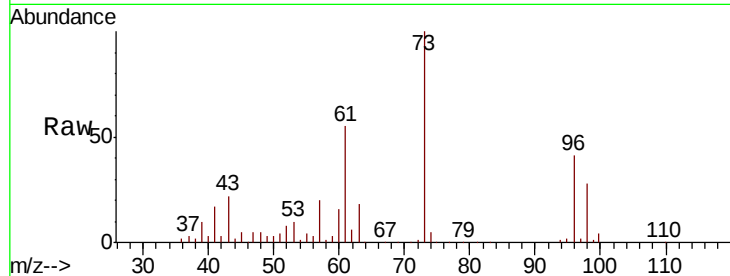




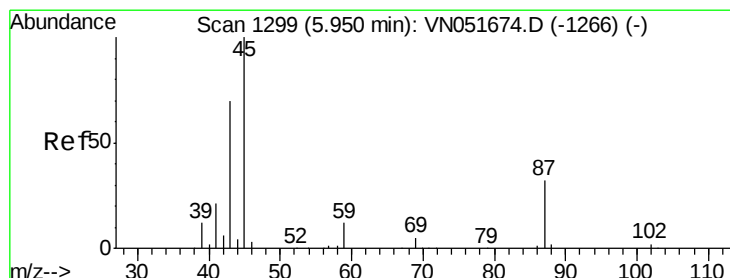
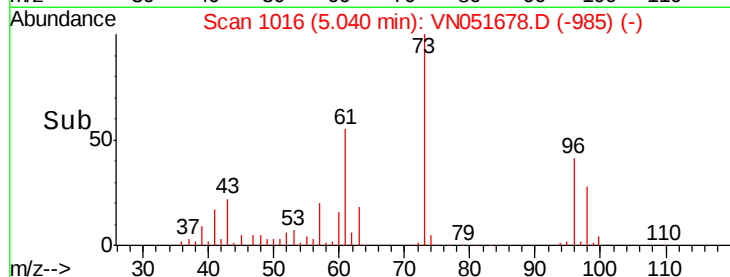
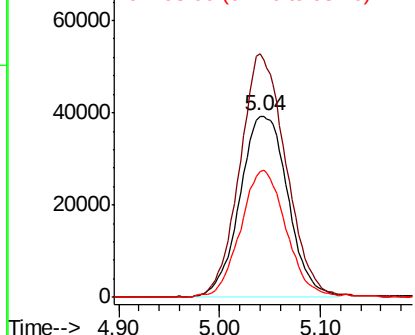
#19
trans-1,2-Dichloroethene
Concen: 21.158 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN051678.D
Acq: 5 Oct 2018 11:25

Instrument :
MSVOA_N
ClientSampleId :
ICVFN100518

Tot Ion: 96 Resp: 129903
Ion Ratio Lower Upper
96 100
61 134.4 112.3 168.5
98 69.3 47.1 70.7

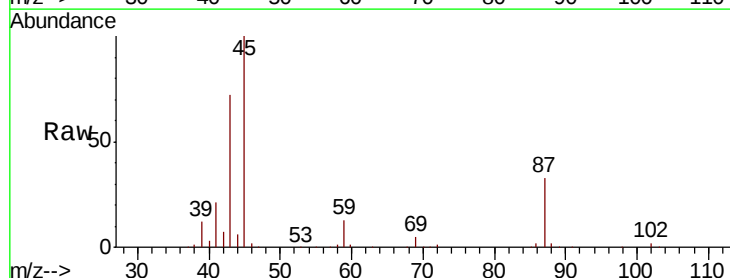


Abundance Ion 96.00 (95.70 to 96.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

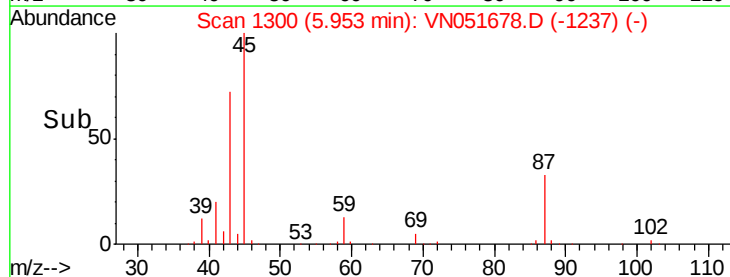
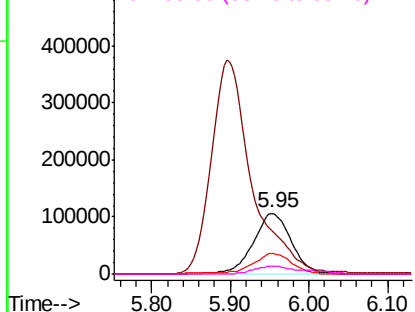


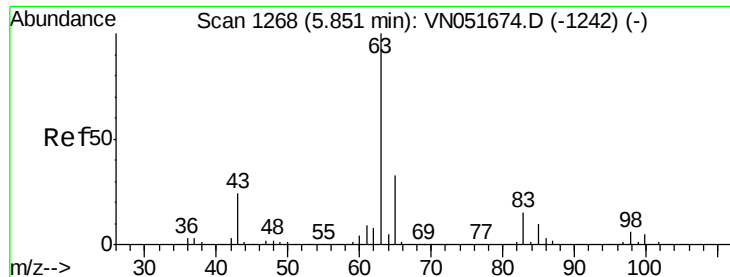
#20
Diisopropyl ether
Concen: 20.283 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051678.D
Acq: 5 Oct 2018 11:25

Tgt Ion: 45 Resp: 360865
Ion Ratio Lower Upper
45 100
43 68.6 62.1 93.1
87 32.9 19.9 29.9#
59 12.2 9.8 14.6



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





#21

1,1-Dichloroethane

Concen: 21.124 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

ICVFN100518

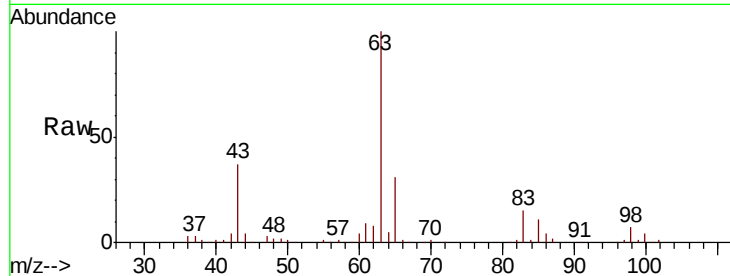
Tot Ion: 63 Resp: 234551

Ion Ratio Lower Upper

63 100

98 7.4 4.1 12.3

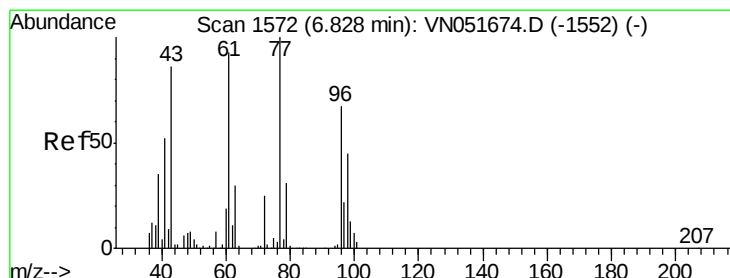
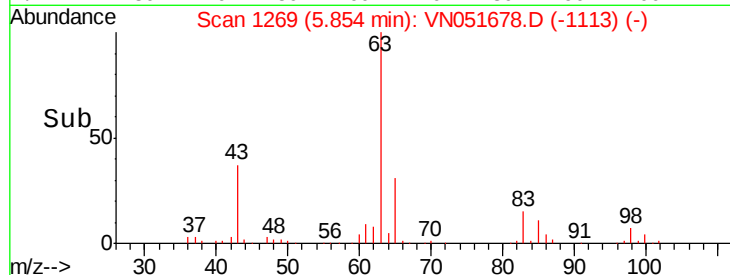
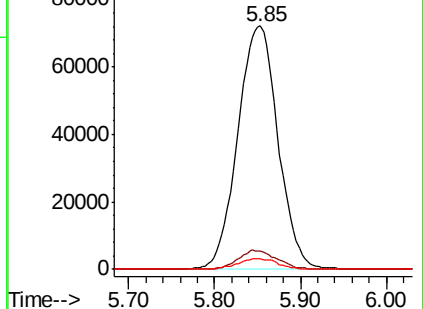
100 4.2 1.6 4.7



Abundance Ion 63.00 (62.70 to 63.70): VN051678.D (-1242) (-)

Ion 98.00 (97.70 to 98.70): VN051678.D (-1242) (-)

Ion 100.00 (99.70 to 100.70): VN051678.D (-1242) (-)



#22

cis-1,2-Dichloroethene

Concen: 21.001 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

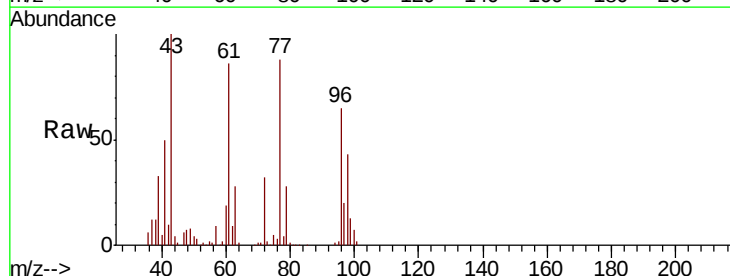
Tgt Ion: 96 Resp: 151697

Ion Ratio Lower Upper

96 100

61 136.0 124.5 186.7

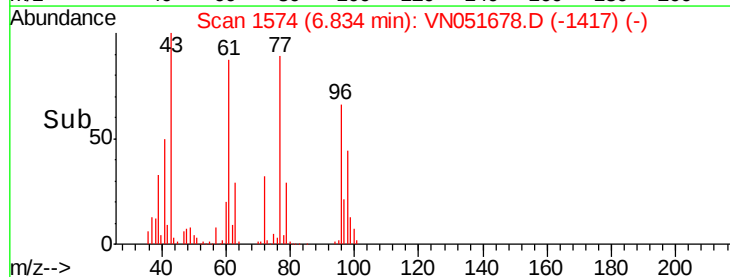
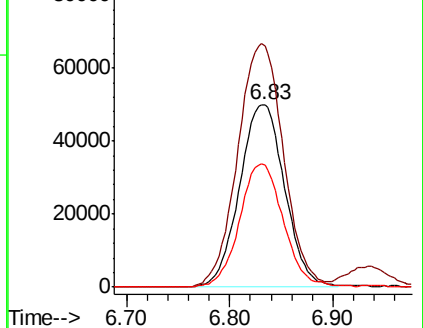
98 65.6 51.9 77.9

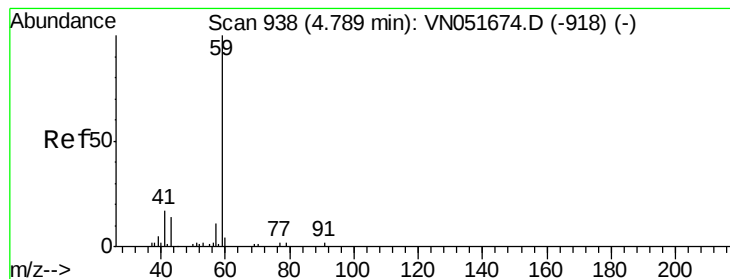


Abundance Ion 96.00 (95.70 to 96.70): VN051678.D (-1417) (-)

Ion 61.00 (60.70 to 61.70): VN051678.D (-1417) (-)

Ion 98.00 (97.70 to 98.70): VN051678.D (-1417) (-)





#23

tert-Butyl Alcohol

Concen: 119.473 ug/l

RT: 4.79 min Scan# 938

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

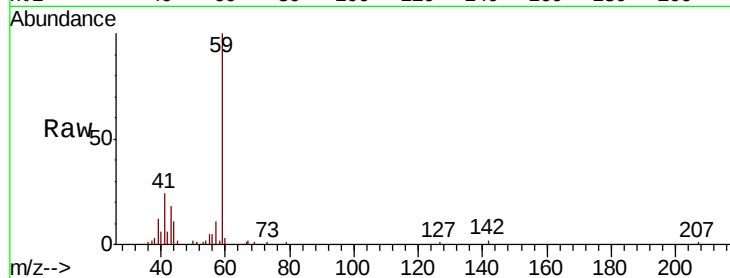
ICVFN100518

Tot Ion: 59 Resp: 54003

Ion Ratio Lower Upper

59 100

52 0.2 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

15000

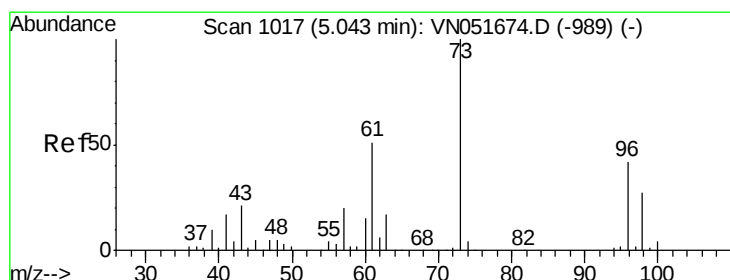
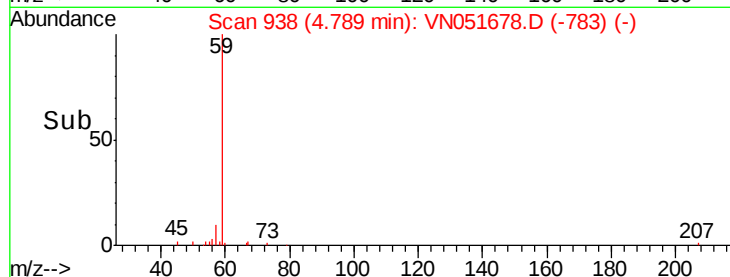
10000

5000

0

4.70 4.80 4.90

Time-->



#24

Methyl tert-Butyl Ether

Concen: 21.210 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051678.D

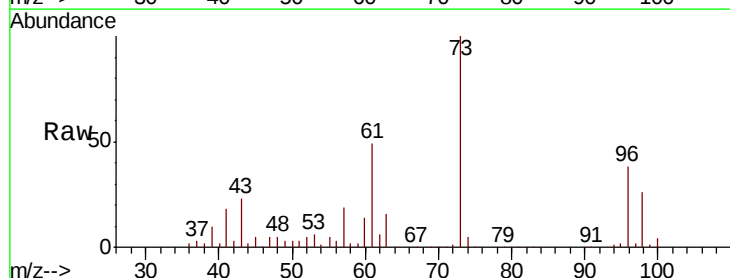
Acq: 5 Oct 2018 11:25

Tgt Ion: 73 Resp: 369879

Ion Ratio Lower Upper

73 100

43 21.8 5.4 8.0#



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

120000

100000

80000

60000

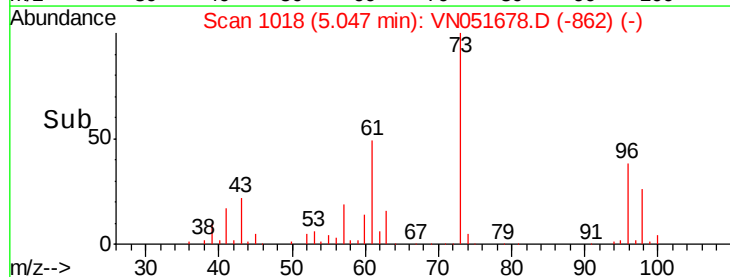
40000

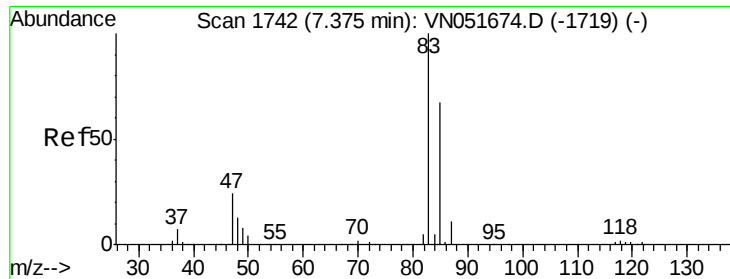
20000

0

4.90 5.00 5.10 5.20

Time-->

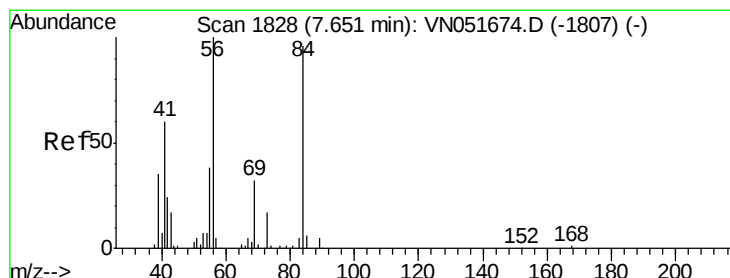
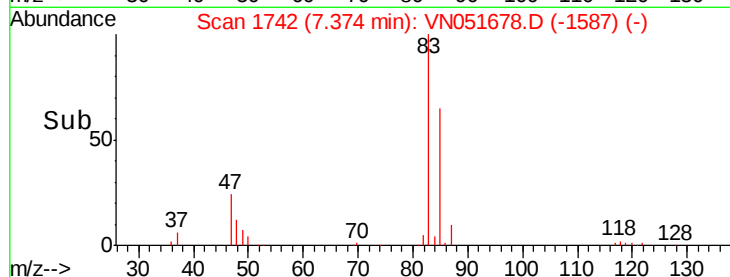
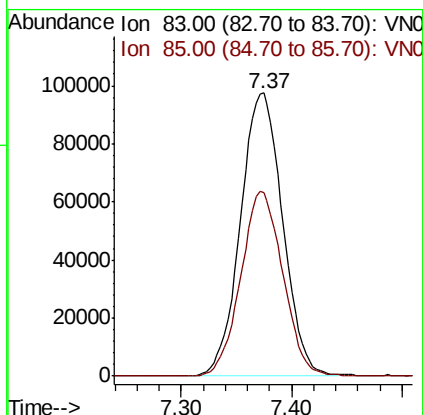
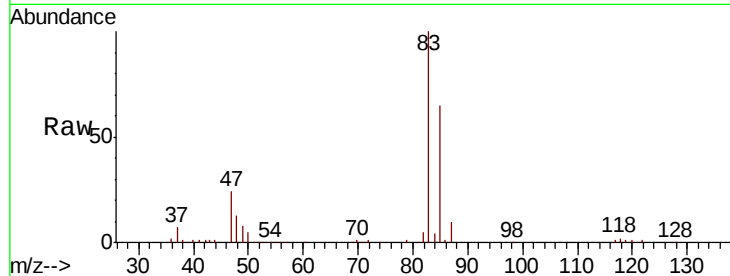




#25
Chloroform
Concen: 20.467 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051678.D
Acq: 5 Oct 2018 11:25

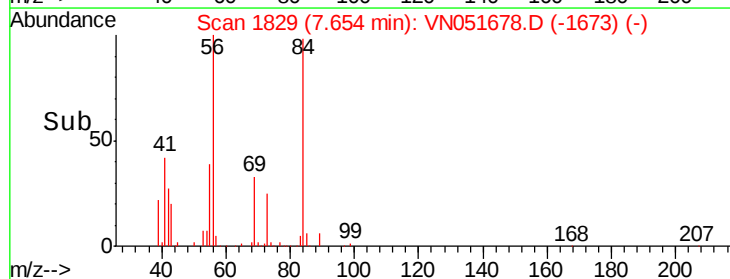
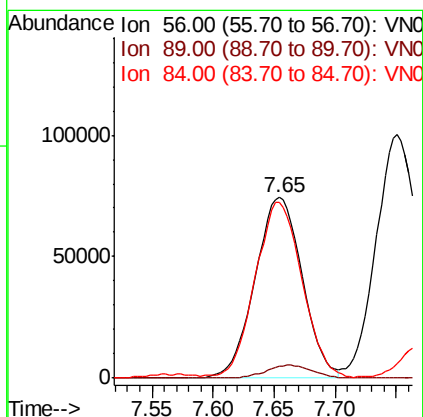
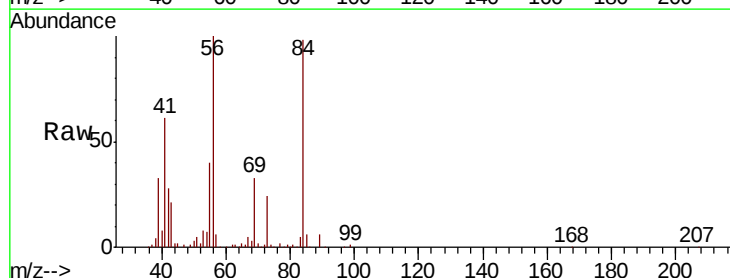
Instrument :
MSVOA_N
ClientSampled :
ICVVN100518

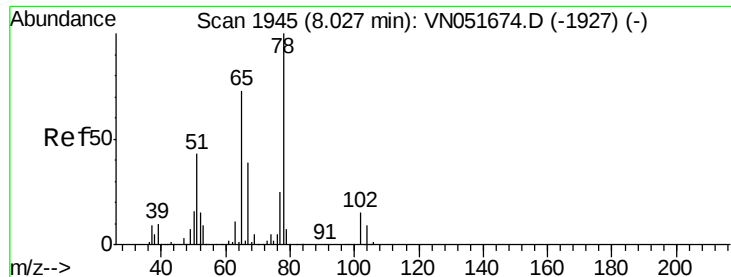
Tot Ion: 83 Resp: 256971
Ion Ratio Lower Upper
83 100
85 65.0 54.6 82.0



#26
Cyclohexane
Concen: 21.246 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN051678.D
Acq: 5 Oct 2018 11:25

Tgt Ion: 56 Resp: 200463
Ion Ratio Lower Upper
56 100
89 7.1 1.5 2.3#
84 95.7 64.2 96.4





#27

1,2-Dichloroethane-d4

Concen: 21.246 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

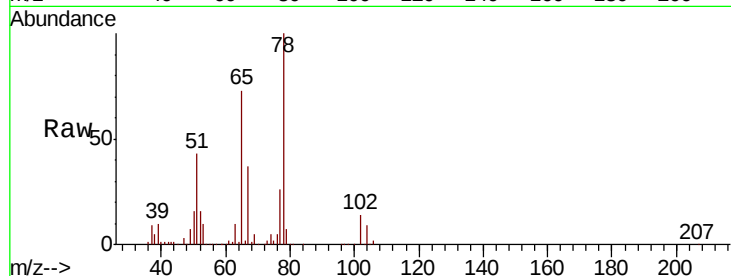
ICVFN100518

Tot Ion: 65 Resp: 243354

Ion Ratio Lower Upper

65 100

67 52.0 41.8 62.8



Abundance Ion 65.00 (64.70 to 65.70): VN051678.D (-1927) (-)

Ion 67.00 (66.70 to 67.70): VN051678.D (-1927) (-)

8.03

120000

100000

80000

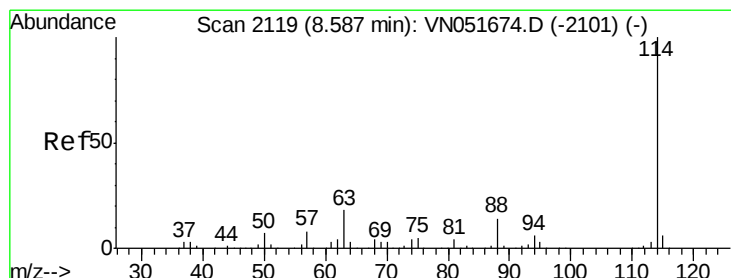
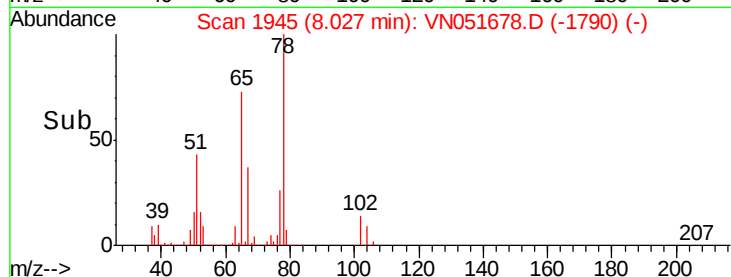
60000

40000

20000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

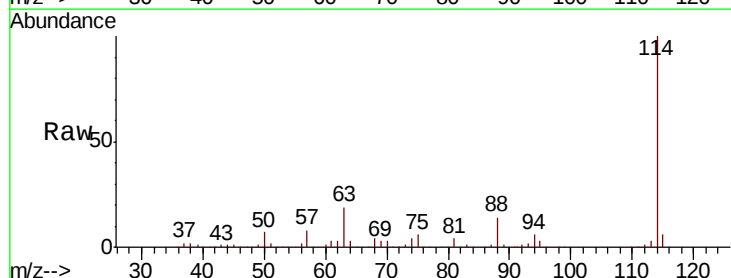
Tgt Ion: 114 Resp: 669584

Ion Ratio Lower Upper

114 100

63 18.7 16.2 24.2

88 14.4 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN051678.D (-1964) (-)

Ion 63.00 (62.70 to 63.70): VN051678.D (-1964) (-)

Ion 88.00 (87.70 to 88.70): VN051678.D (-1964) (-)

8.59

400000

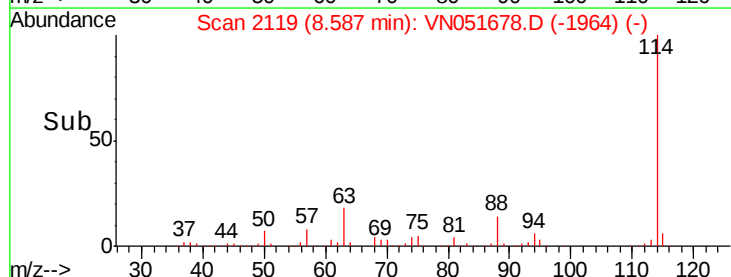
300000

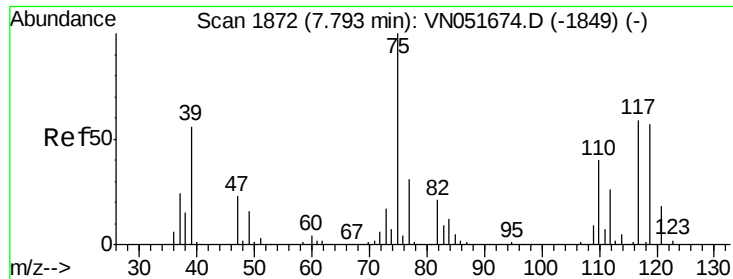
200000

100000

0

Time-->

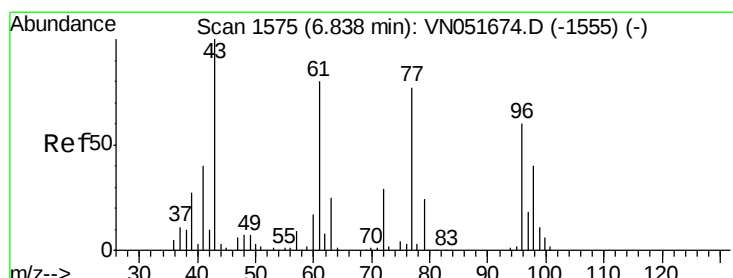
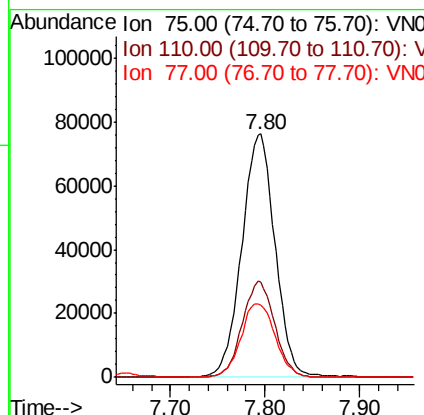
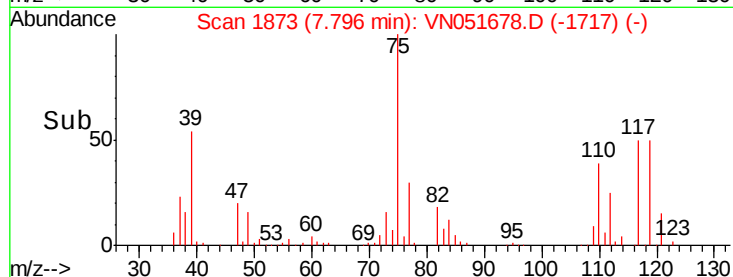
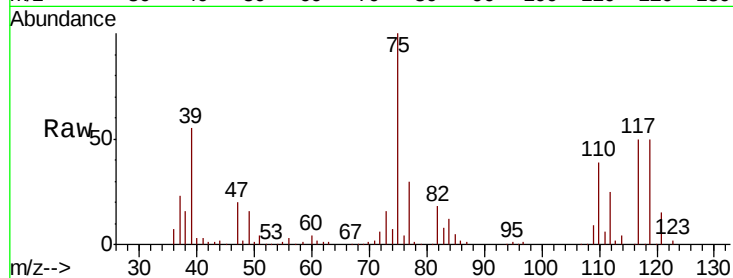




#29
 1,1-Dichloropropene
 Concen: 20.963 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051678.D
 Acq: 5 Oct 2018 11:25

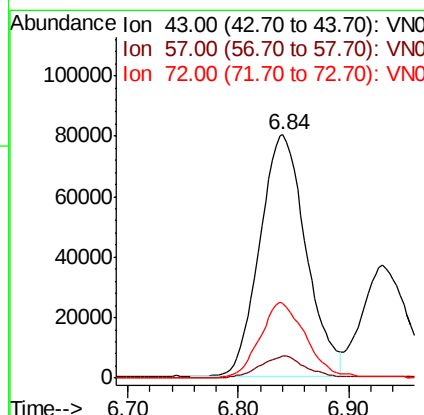
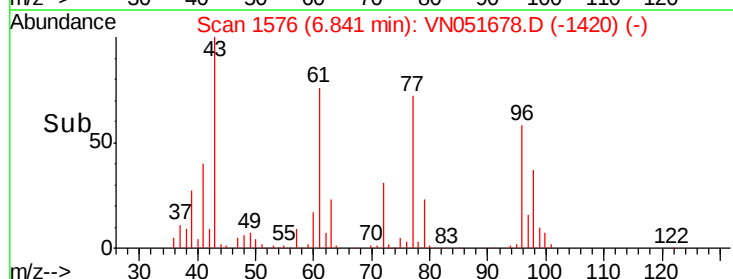
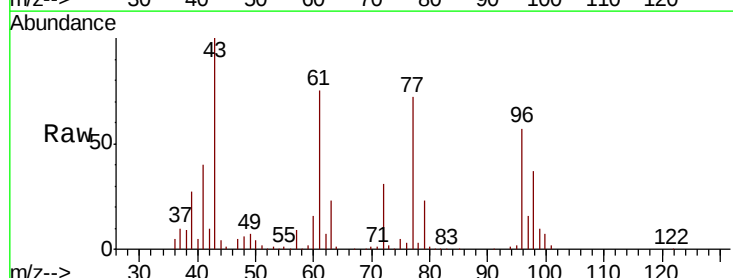
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN100518

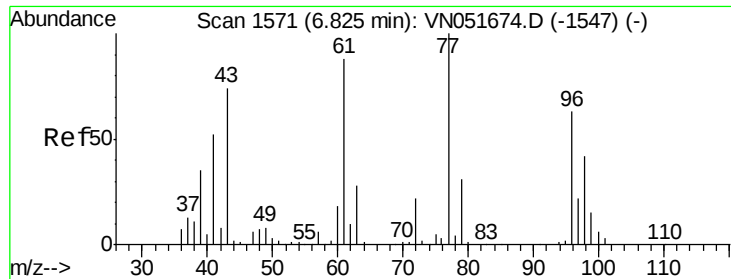
Tot Ion: 75 Resp: 186557
 Ion Ratio Lower Upper
 75 100
 110 38.2 0.0 70.8
 77 31.3 0.0 61.6



#30
 2-Butanone
 Concen: 107.506 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051678.D
 Acq: 5 Oct 2018 11:25

Tgt Ion: 43 Resp: 233005
 Ion Ratio Lower Upper
 43 100
 57 8.6 4.5 6.7#
 72 30.7 21.5 32.3





#31

2,2-Dichloropropane

Concen: 21.537 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

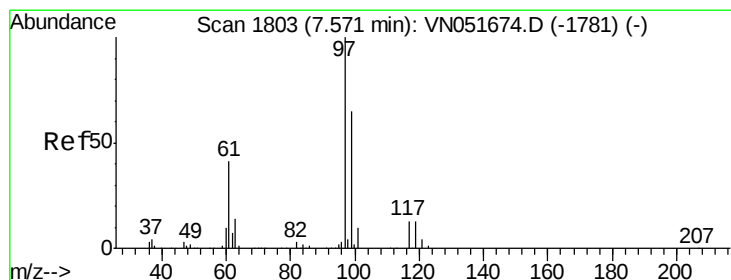
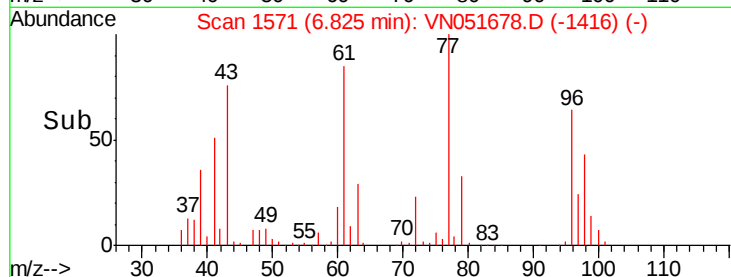
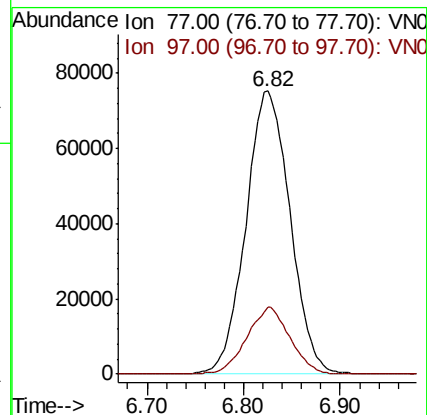
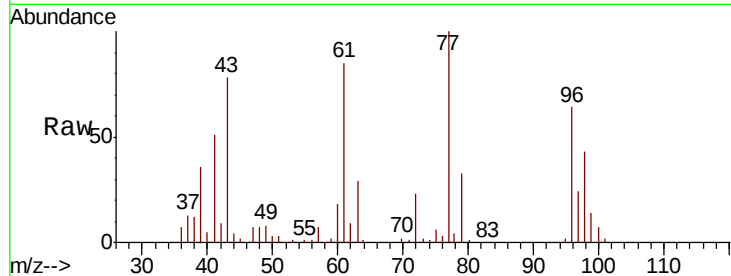
ICVFN100518

Tot Ion: 77 Resp: 238779

Ion Ratio Lower Upper

77 100

97 23.0 12.0 18.0#



#32

1,1,1-Trichloroethane

Concen: 20.788 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

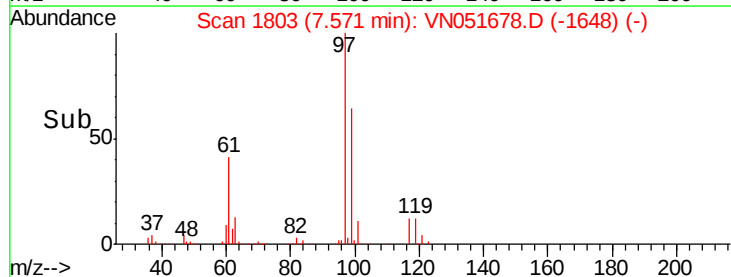
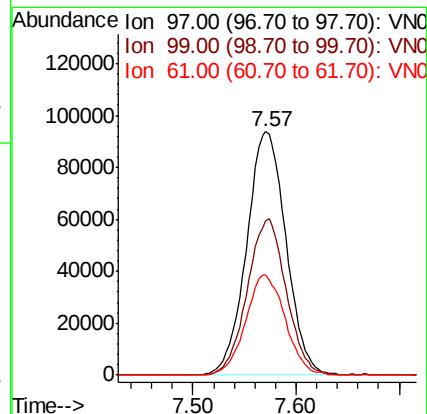
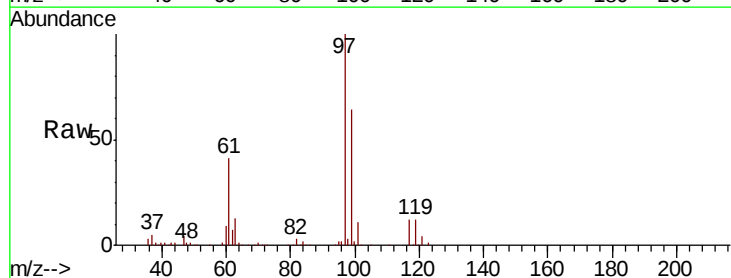
Tgt Ion: 97 Resp: 248786

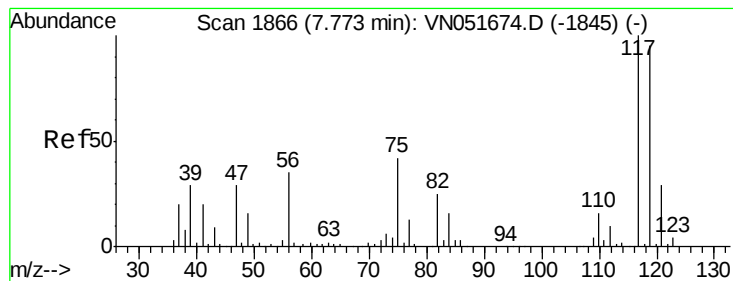
Ion Ratio Lower Upper

97 100

99 63.5 51.6 77.4

61 41.4 37.4 56.0





#33

Carbon Tetrachloride

Concen: 20.261 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

ICVFN100518

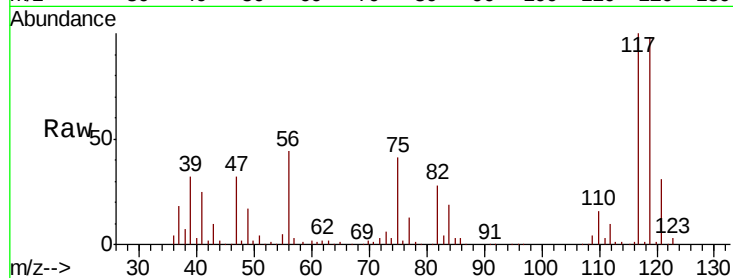
Tot Ion:117 Resp: 219825

Ion Ratio Lower Upper

117 100

119 97.7 85.1 127.7

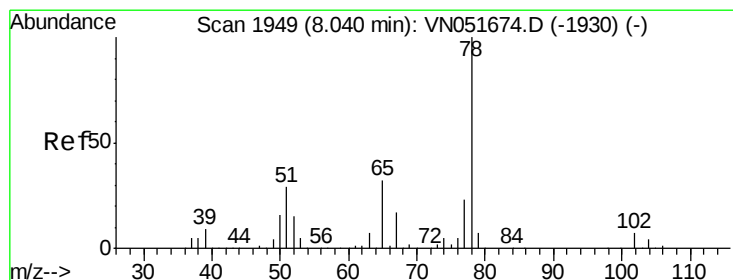
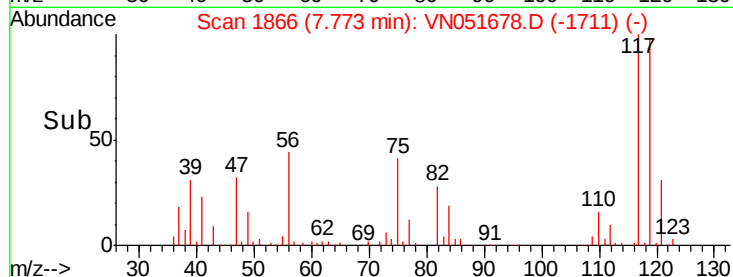
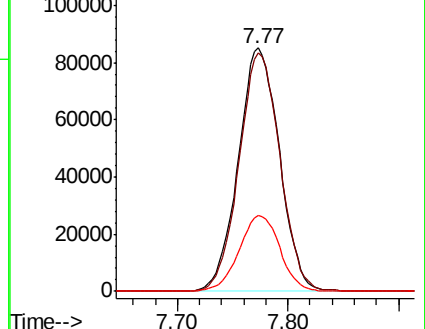
121 31.0 24.2 36.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 20.350 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

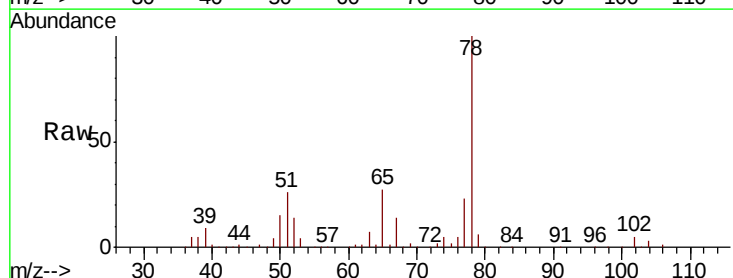
Tgt Ion: 78 Resp: 547830

Ion Ratio Lower Upper

78 100

77 23.3 18.8 28.2

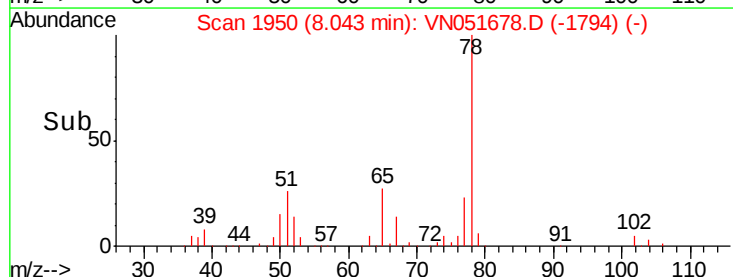
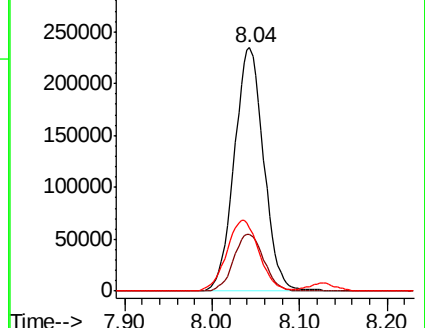
51 26.0 46.2 69.4#

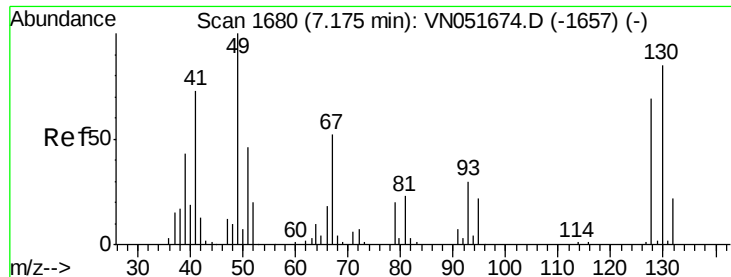


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

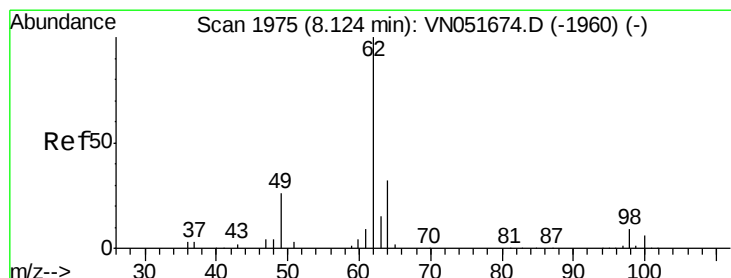
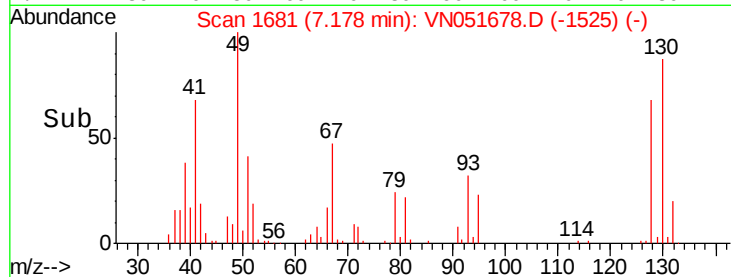
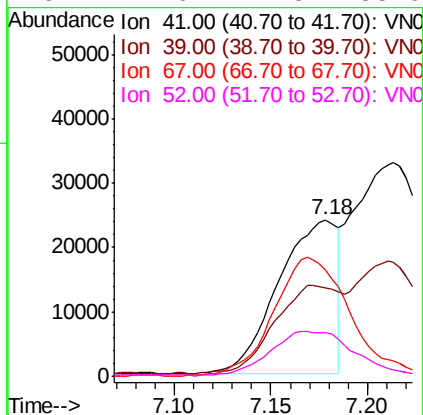
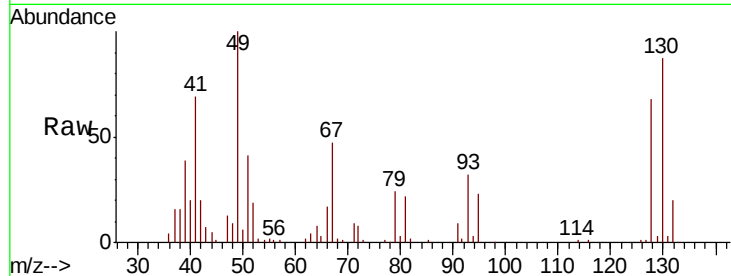




#35
Methacrylonitrile
Concen: 21.314 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN051678.D
Acq: 5 Oct 2018 11:25

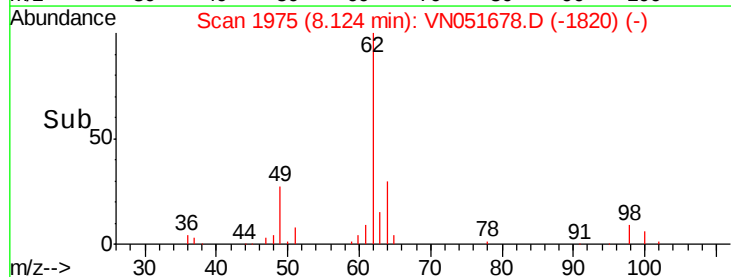
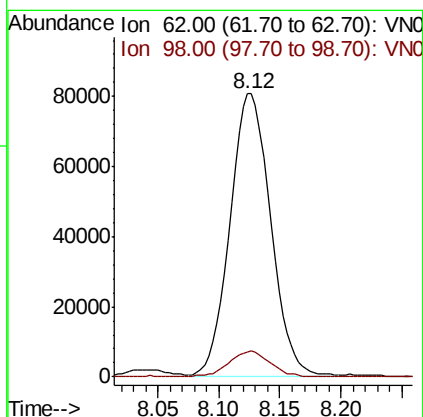
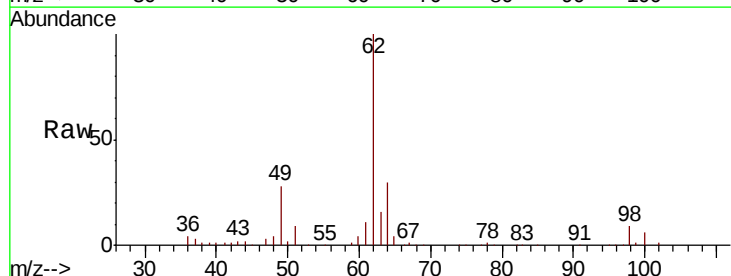
Instrument :
MSVOA_N
ClientSampleId :
ICVVN100518

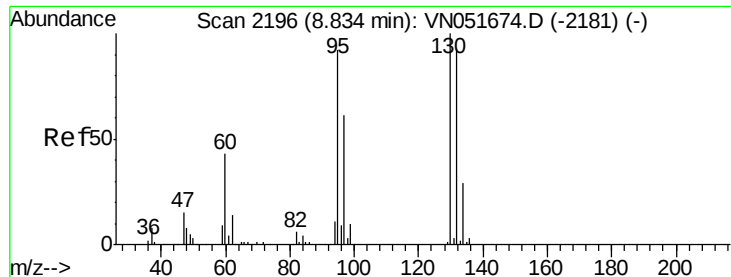
Tot Ion: 41 Resp: 50981
Ion Ratio Lower Upper
41 100
39 55.9 22.6 67.7
67 68.1 28.9 86.8
52 27.6 11.3 33.9



#36
1,2-Dichloroethane
Concen: 20.887 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051678.D
Acq: 5 Oct 2018 11:25

Tgt Ion: 62 Resp: 188196
Ion Ratio Lower Upper
62 100
98 9.2 6.9 10.3





#37

Trichloroethene

Concen: 20.854 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

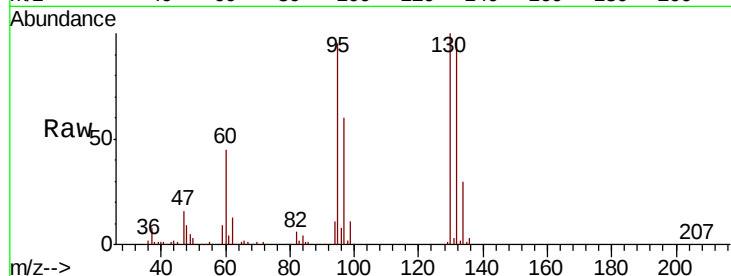
ICVFN100518

Tot Ion:130 Resp: 156106

Ion Ratio Lower Upper

130 100

95 95.3 76.4 114.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

80000

60000

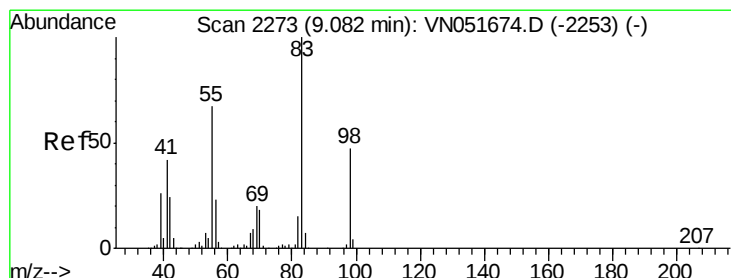
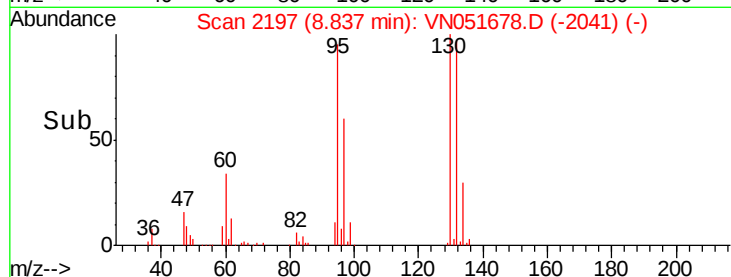
40000

20000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 20.886 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

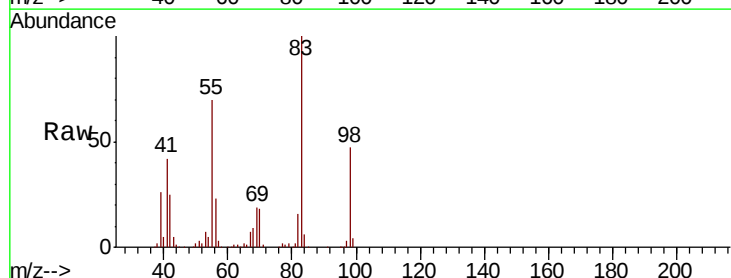
Tgt Ion: 83 Resp: 235372

Ion Ratio Lower Upper

83 100

55 68.8 43.0 129.2

98 48.6 21.3 63.7



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

150000

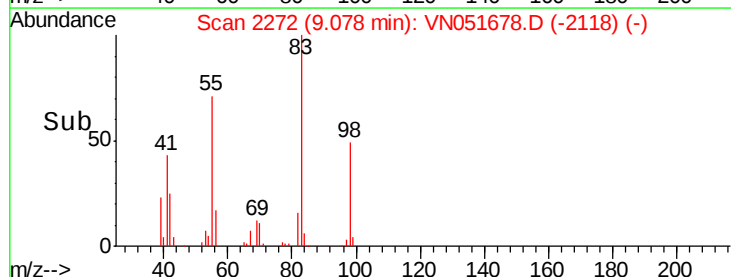
100000

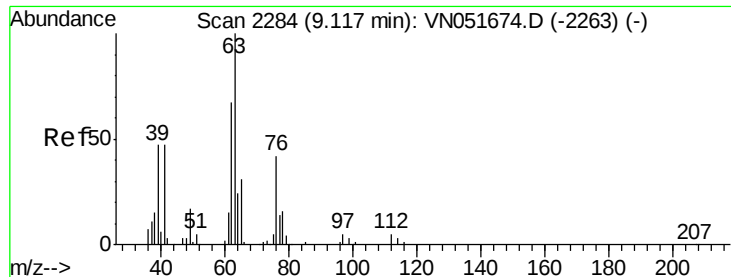
50000

0

9.00 9.10 9.20

Time-->





#39

1,2-Dichloropropane

Concen: 20.684 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

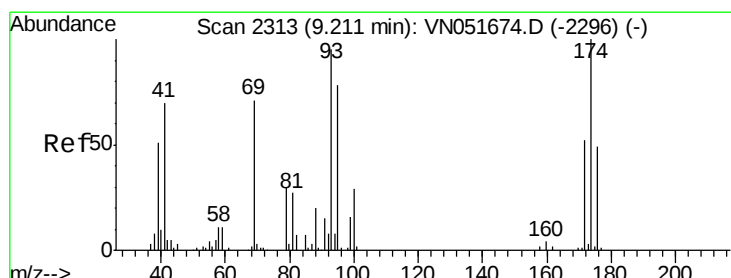
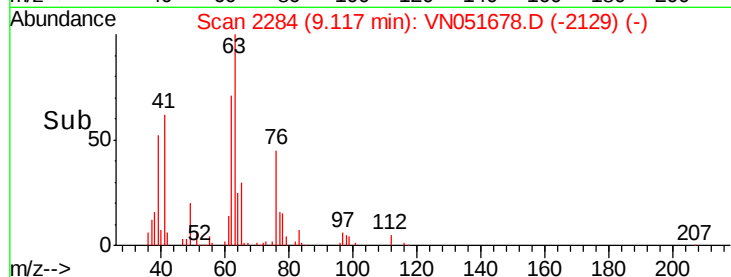
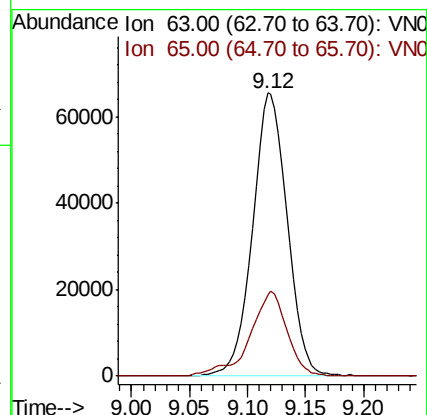
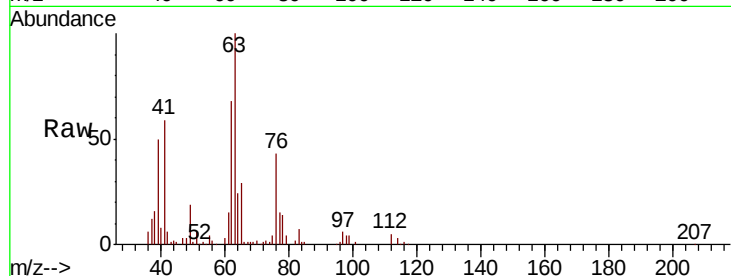
ICVFN100518

Tot Ion: 63 Resp: 136387

Ion Ratio Lower Upper

63 100

65 28.3 23.2 34.8



#40

Dibromomethane

Concen: 20.377 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

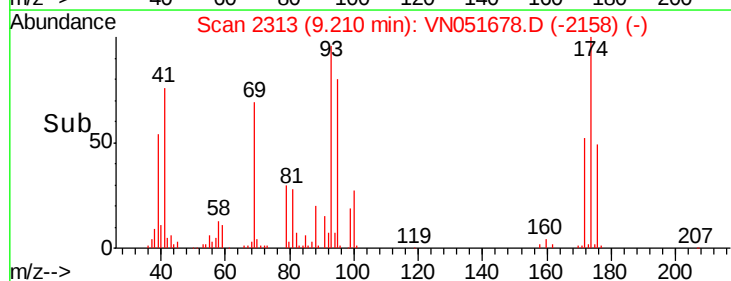
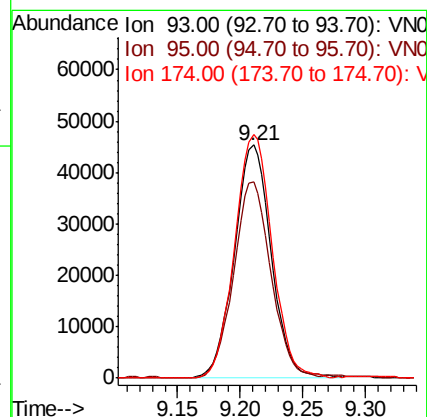
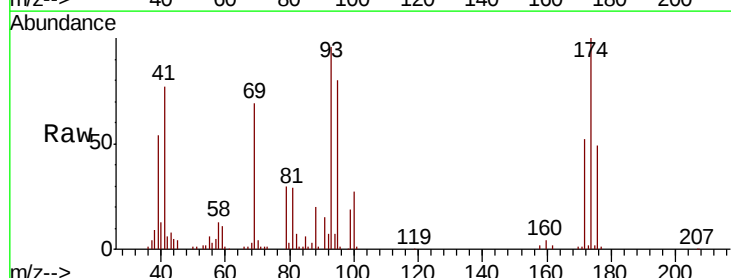
Tgt Ion: 93 Resp: 92953

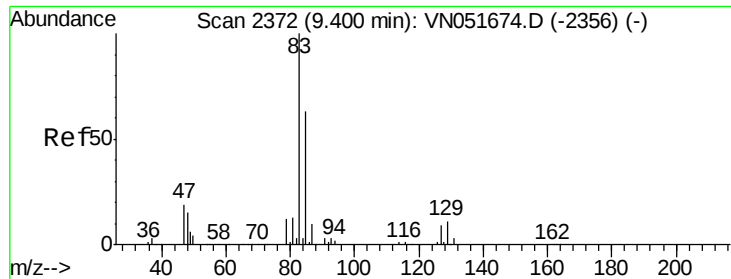
Ion Ratio Lower Upper

93 100

95 84.7 0.0 162.0

174 105.7 0.0 214.0

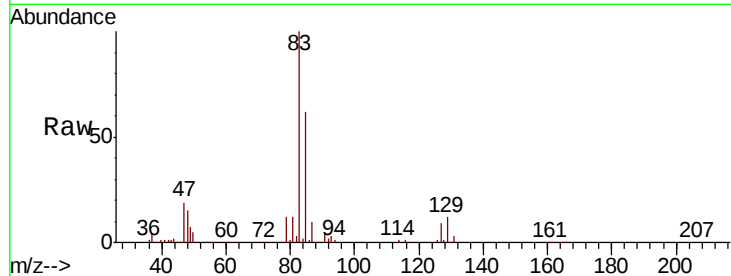




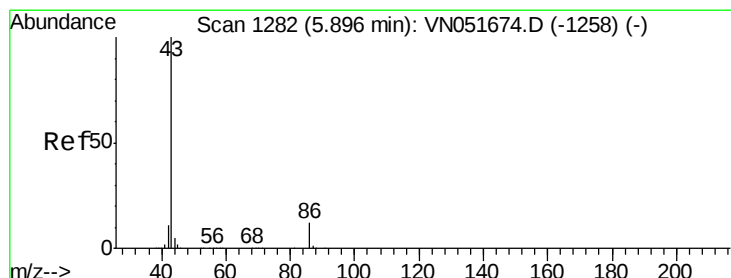
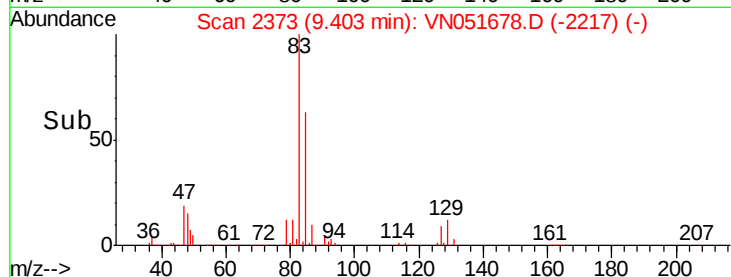
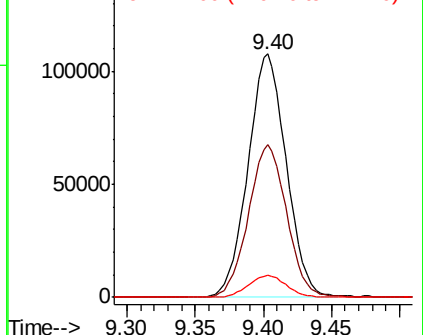
#41
 Bromodichloromethane
 Concen: 20.559 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN051678.D
 Acq: 5 Oct 2018 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN100518

Tot Ion: 83 Resp: 209288
 Ion Ratio Lower Upper
 83 100
 85 62.5 55.7 83.5
 127 8.9 8.2 12.4

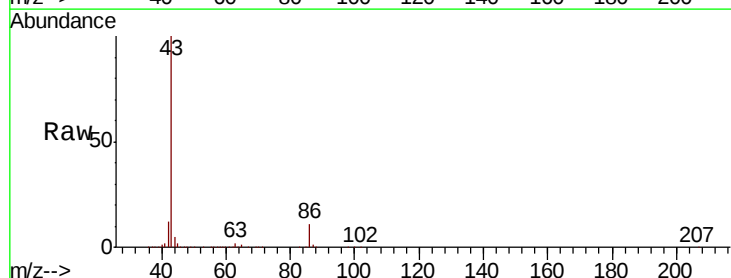


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0
 Ion 127.00 (126.70 to 127.70): V

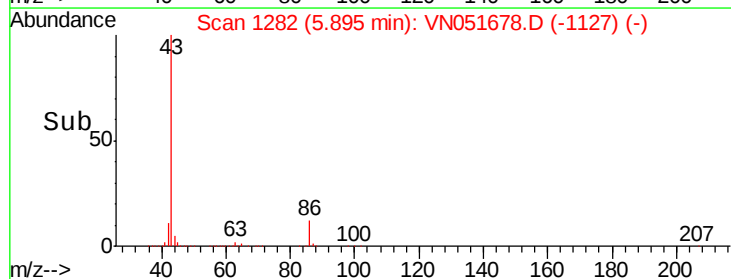
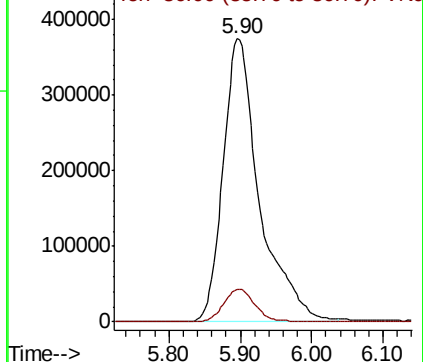


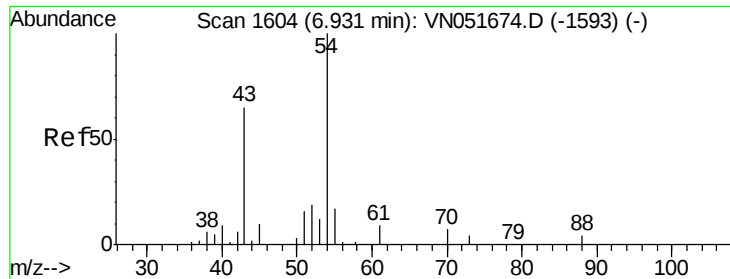
#42
 Vinyl Acetate
 Concen: 103.539 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN051678.D
 Acq: 5 Oct 2018 11:25

Tgt Ion: 43 Resp: 1322260
 Ion Ratio Lower Upper
 43 100
 86 10.1 6.5 9.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 20.646 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

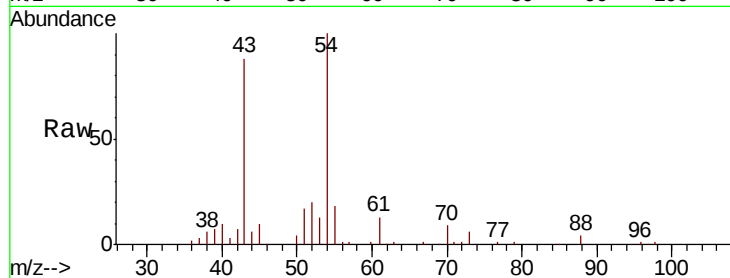
ICV051678

Tot Ion: 43 Resp: 94154

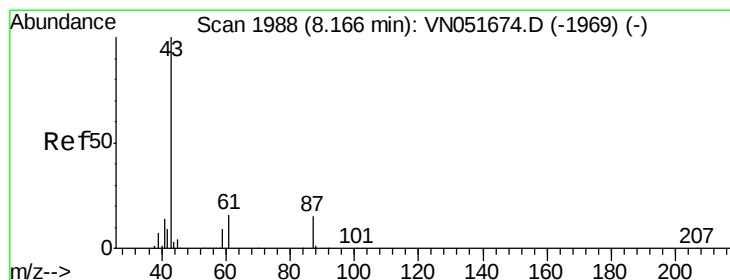
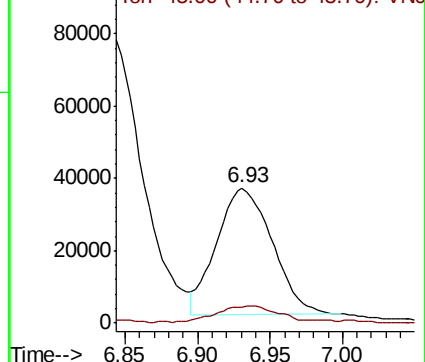
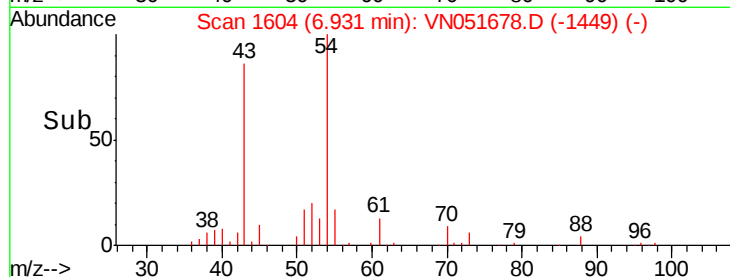
Ion Ratio Lower Upper

43 100

45 6.1 11.0 16.6#



Abundance Ion 43.00 (42.70 to 43.70): VN051678.D (-1449) (-)



#44

Isopropyl Acetate

Concen: 20.897 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051678.D

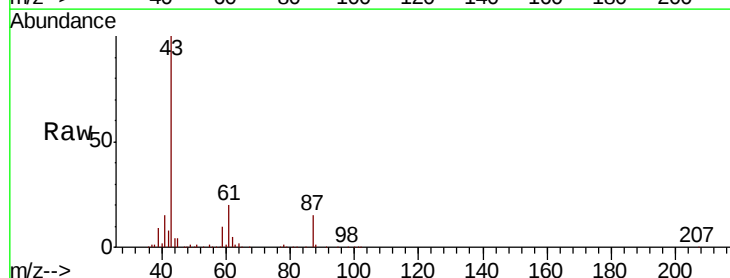
Acq: 5 Oct 2018 11:25

Tgt Ion: 43 Resp: 210771

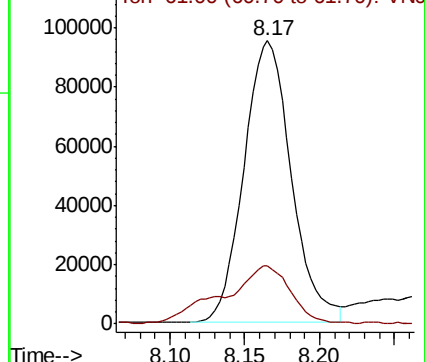
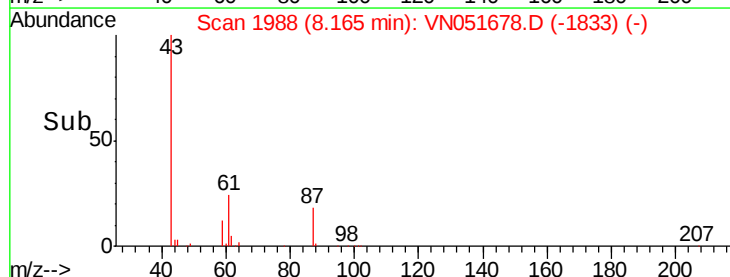
Ion Ratio Lower Upper

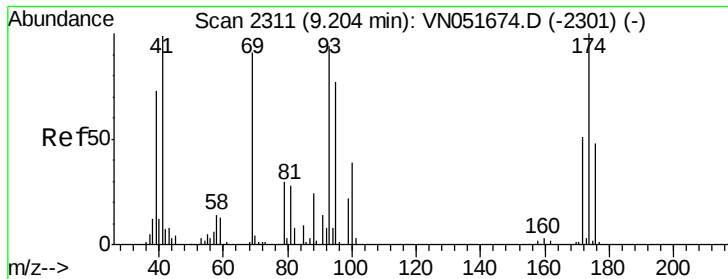
43 100

61 20.4 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VN051678.D (-1833) (-)





#45

1,4-Dioxane

Concen: 433.998 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN100518

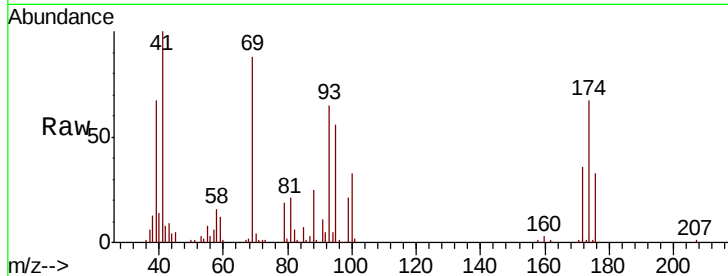
Tot Ion: 88 Resp: 27658

Ion Ratio Lower Upper

88 100

43 34.9 26.2 39.2

58 61.0 65.6 98.4#

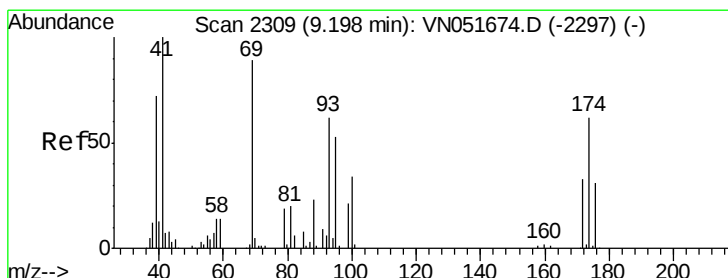
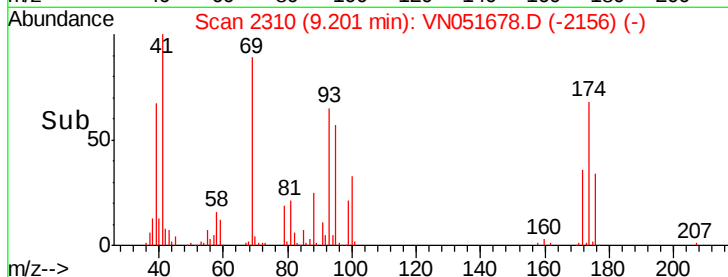
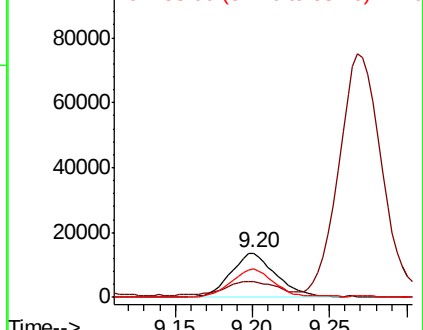


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 21.585 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

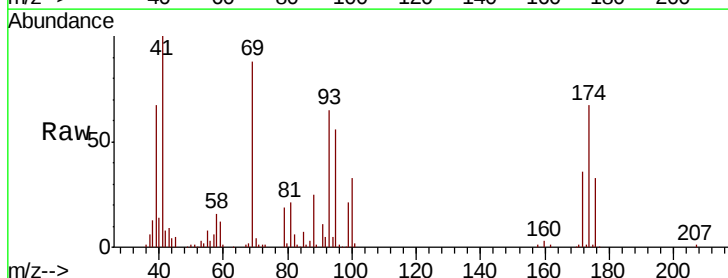
Tgt Ion: 41 Resp: 97058

Ion Ratio Lower Upper

41 100

69 89.7 40.7 122.1

39 65.9 27.3 81.9

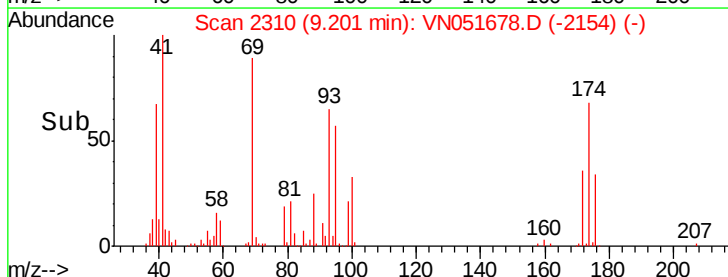
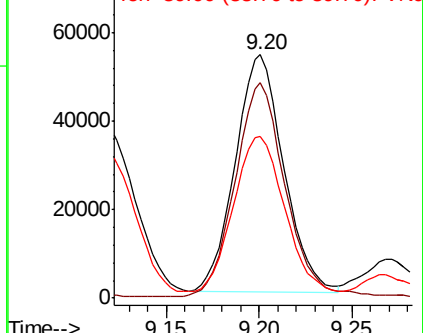


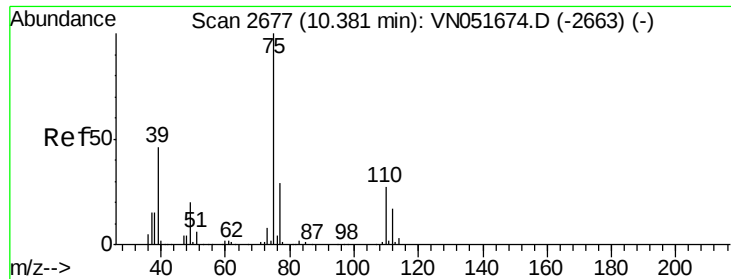
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#48

t-1,3-Dichloropropene

Concen: 19.548 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

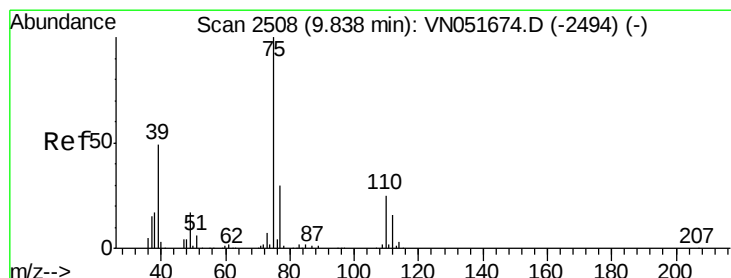
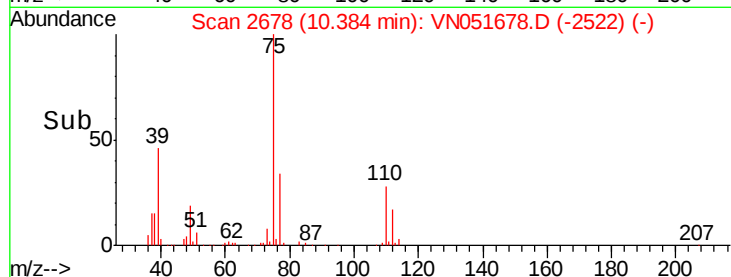
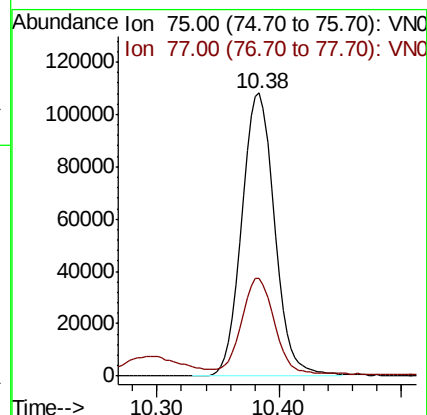
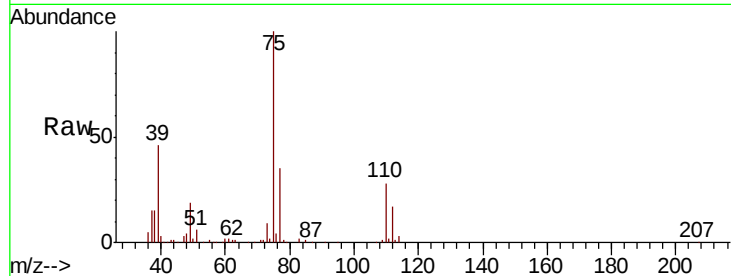
ICVFN100518

Tot Ion: 75 Resp: 201325

Ion Ratio Lower Upper

75 100

77 33.8 24.6 37.0



#49

cis-1,3-Dichloropropene

Concen: 20.576 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

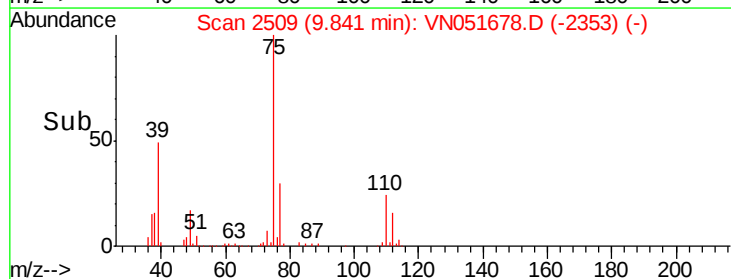
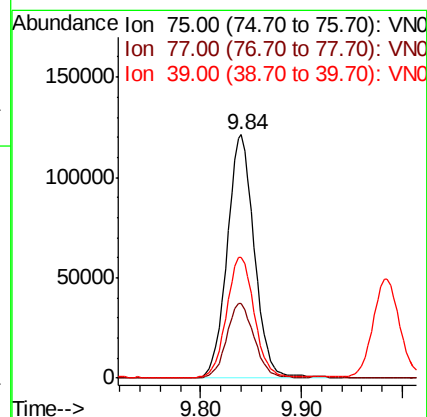
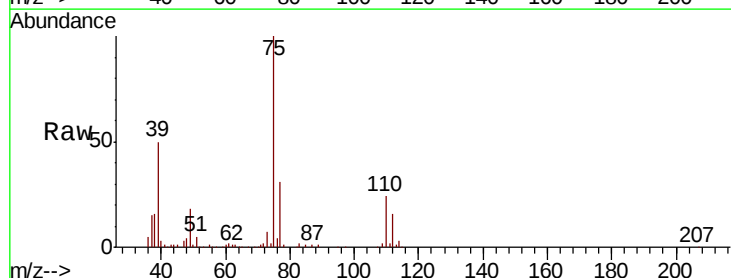
Tgt Ion: 75 Resp: 228391

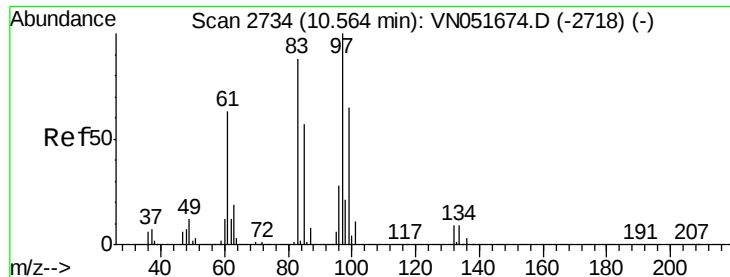
Ion Ratio Lower Upper

75 100

77 30.5 23.2 34.8

39 49.5 34.6 52.0





#50

1,1,2-Trichloroethane

Concen: 20.056 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_N

ClientSampled :

ICVFN100518

Tot Ion: 97 Resp: 129026

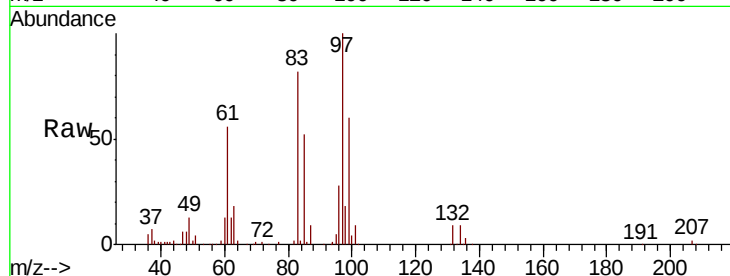
Ion Ratio Lower Upper

97 100

83 82.5 68.2 102.4

85 51.8 42.5 63.7

99 60.3 44.3 66.5

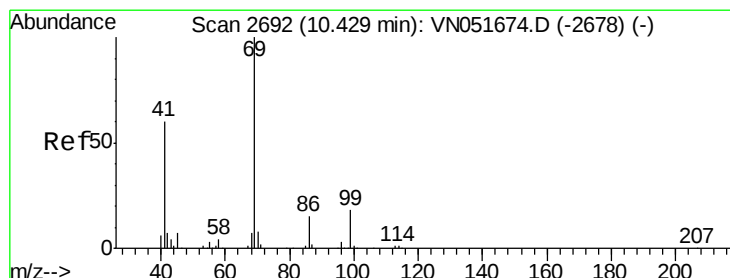
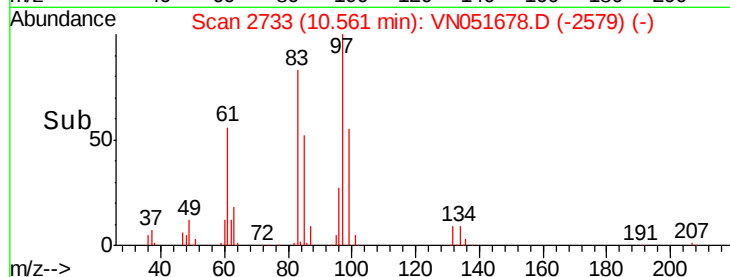
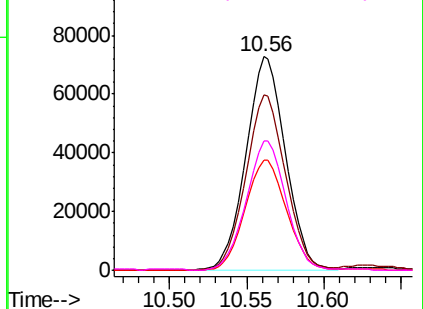


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0



#51

Ethyl methacrylate

Concen: 19.776 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

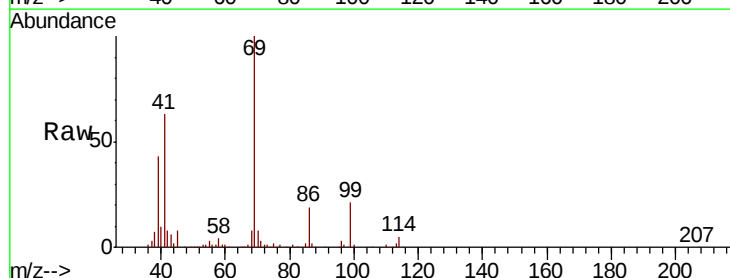
Tgt Ion: 69 Resp: 161801

Ion Ratio Lower Upper

69 100

41 62.2 34.4 103.1

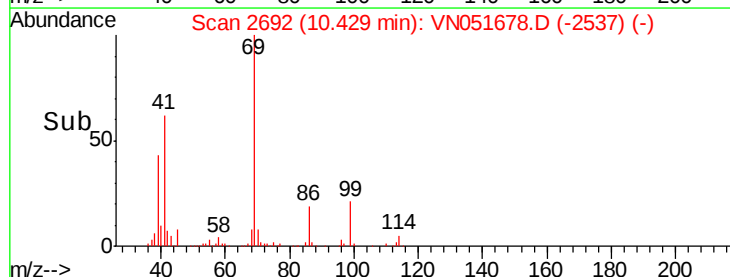
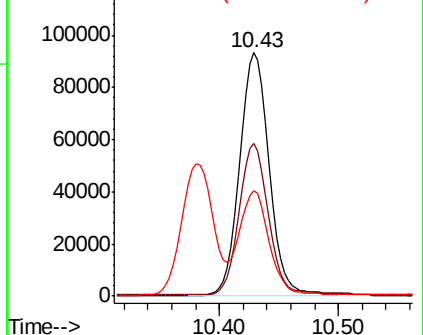
39 42.7 16.3 48.8

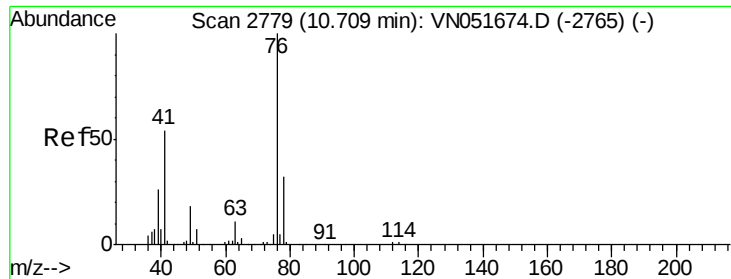


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#52

1,3-Dichloropropane

Concen: 20.080 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_N

ClientSampled :

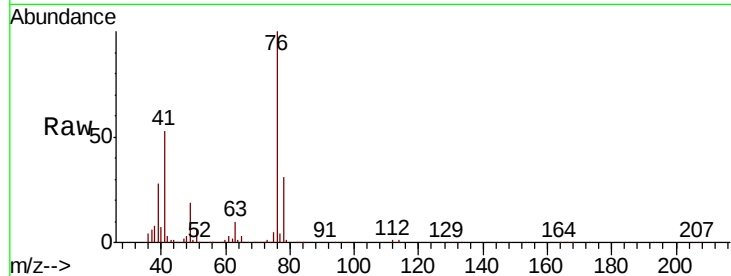
ICVFN100518

Tot Ion: 76 Resp: 205729

Ion Ratio Lower Upper

76 100

78 31.4 0.0 67.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

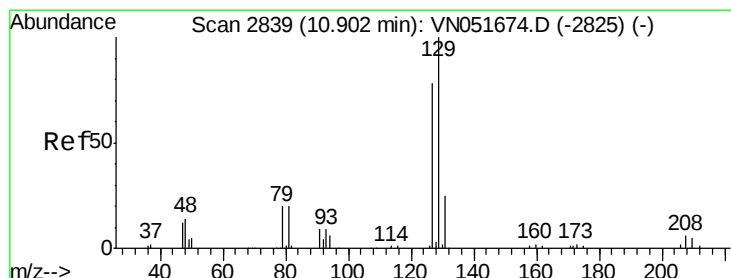
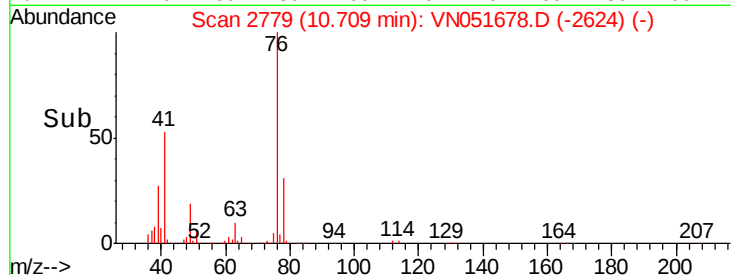
10.71

100000

50000

0

Time-->



#53

Dibromochloromethane

Concen: 18.897 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051678.D

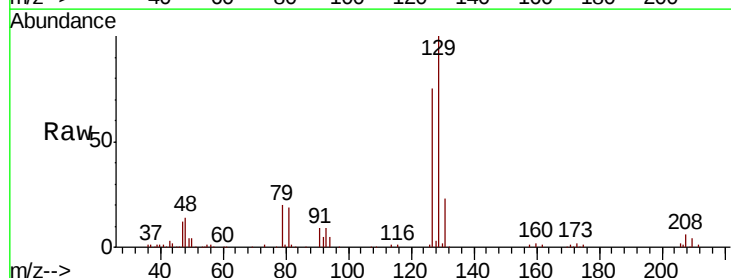
Acq: 5 Oct 2018 11:25

Tgt Ion: 129 Resp: 159678

Ion Ratio Lower Upper

129 100

127 76.7 40.2 120.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

100000

80000

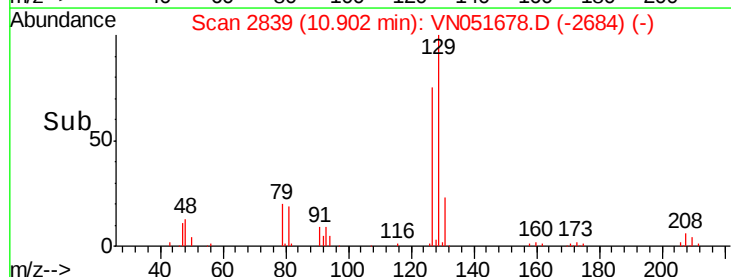
60000

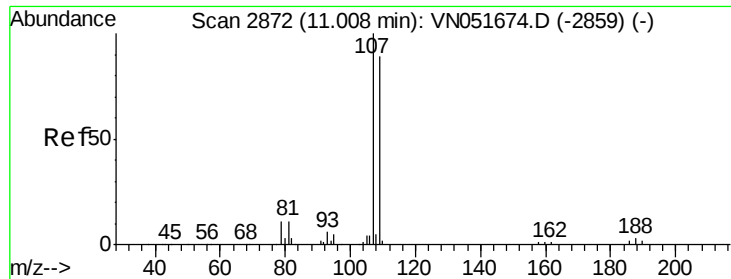
40000

20000

0

Time-->





#54

1,2-Dibromoethane

Concen: 19.333 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

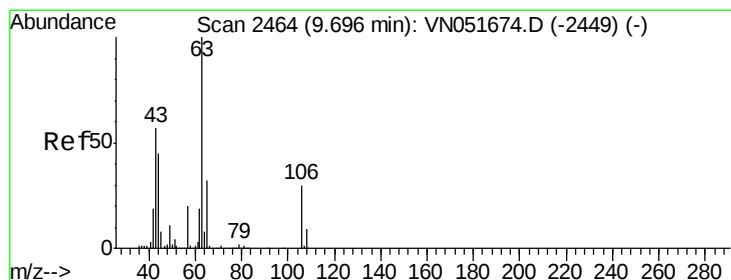
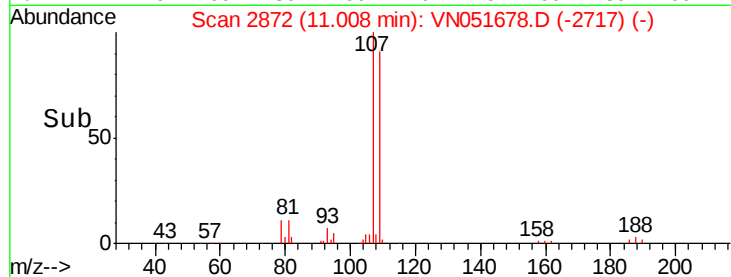
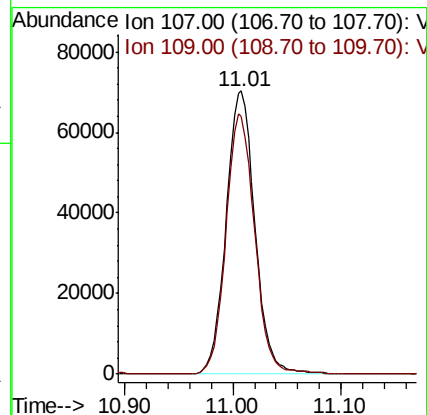
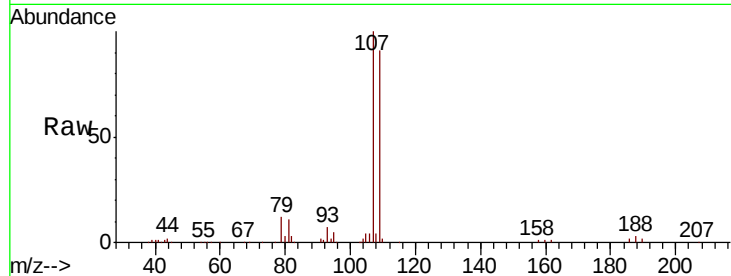
ICVVN100518

Tot Ion:107 Resp: 130478

Ion Ratio Lower Upper

107 100

109 91.7 77.4 116.0



#55

2-Chloroethyl vinyl ether

Concen: 101.376 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

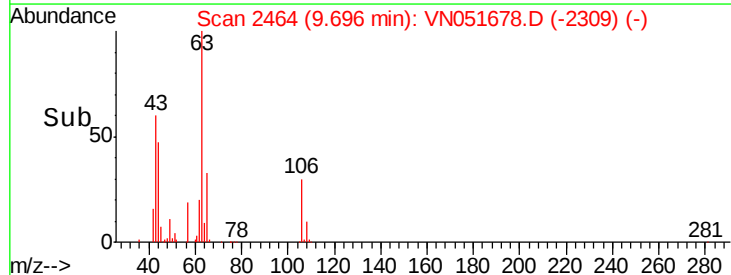
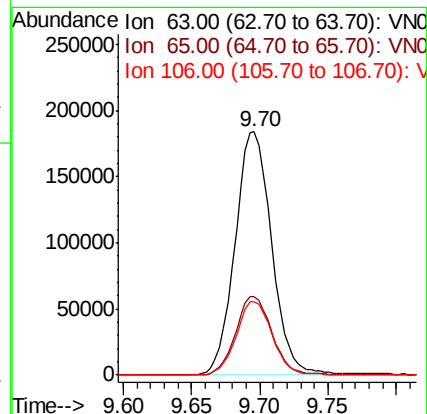
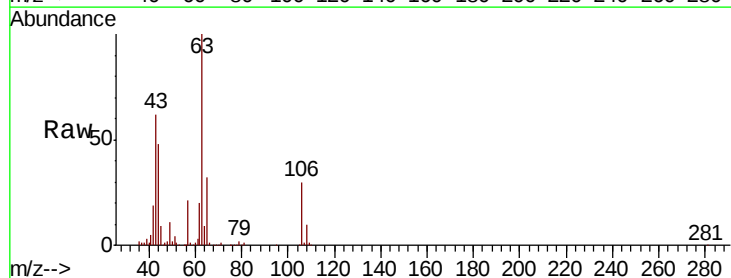
Tgt Ion: 63 Resp: 343616

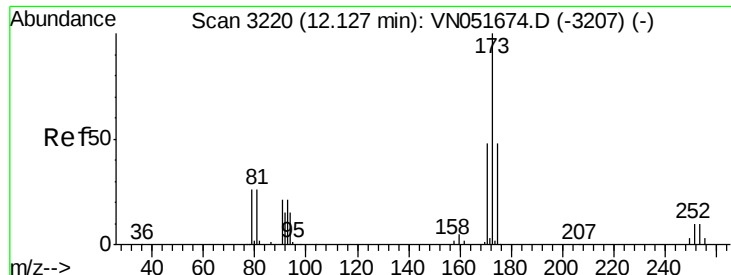
Ion Ratio Lower Upper

63 100

65 32.2 25.4 38.0

106 29.9 21.2 31.8

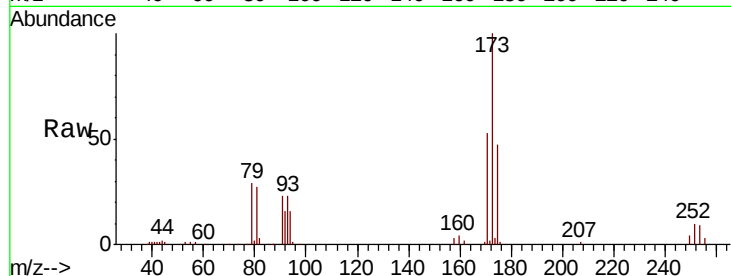




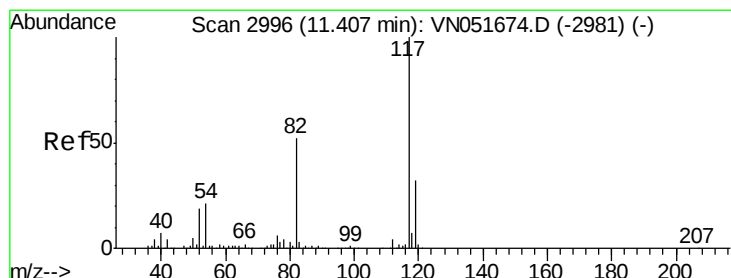
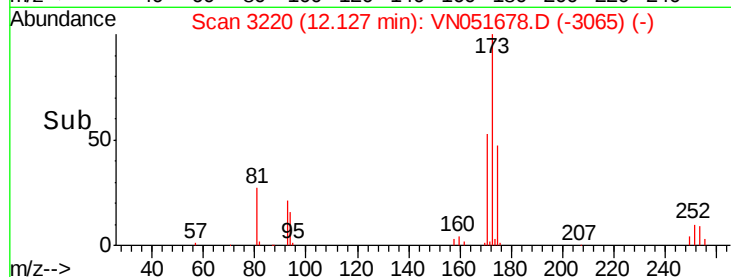
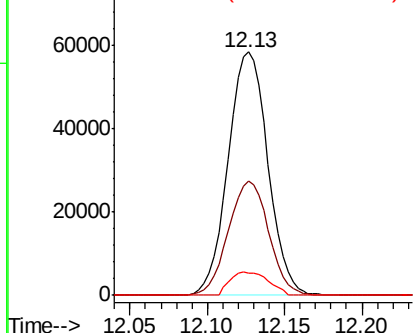
#56
Bromoform
Concen: 17.230 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051678.D
Acq: 5 Oct 2018 11:25

Instrument :
MSVOA_N
ClientSampleId :
ICVFN100518

Tot Ion:173 Resp: 104378
Ion Ratio Lower Upper
173 100
175 47.4 35.8 53.8
254 9.2 8.6 13.0

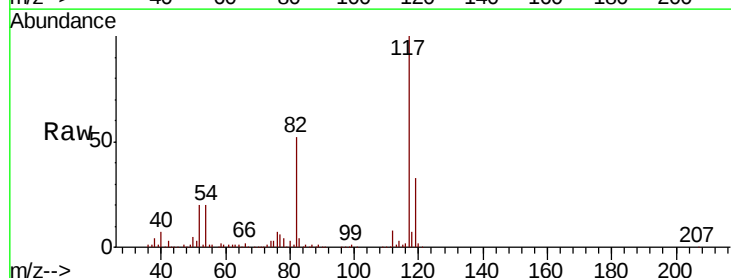


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

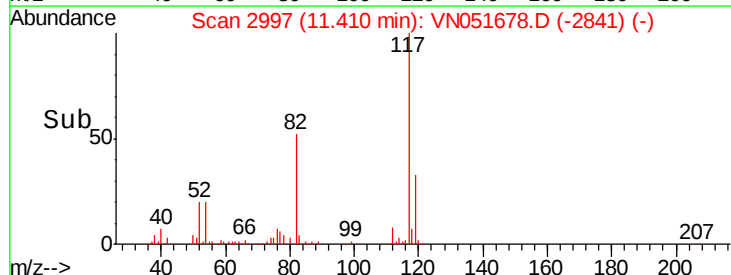
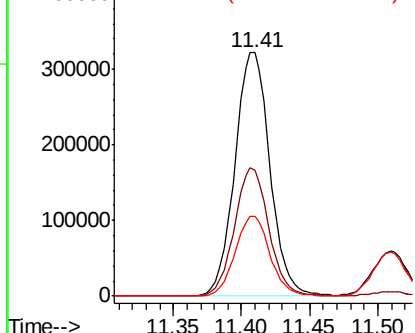


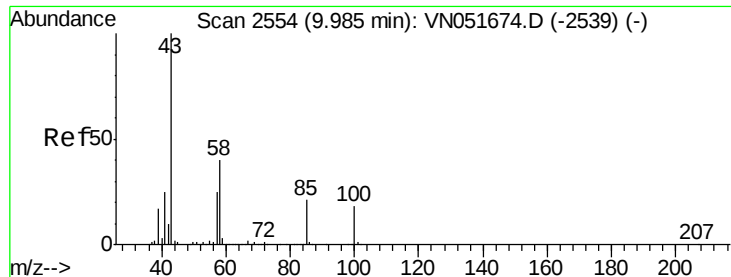
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051678.D
Acq: 5 Oct 2018 11:25

Tgt Ion:117 Resp: 575179
Ion Ratio Lower Upper
117 100
82 51.7 44.1 66.1
119 32.7 25.8 38.8



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

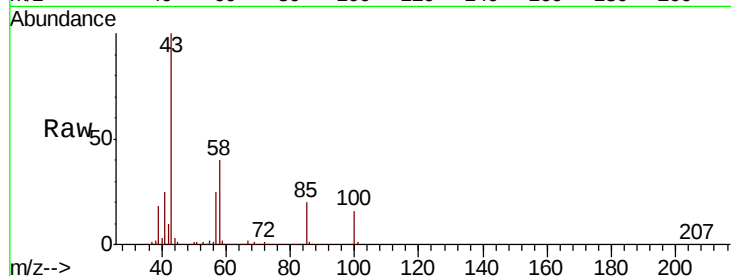




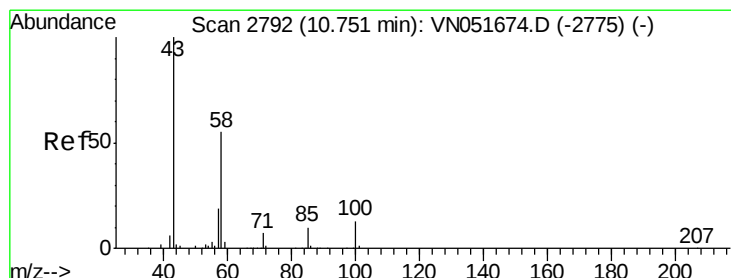
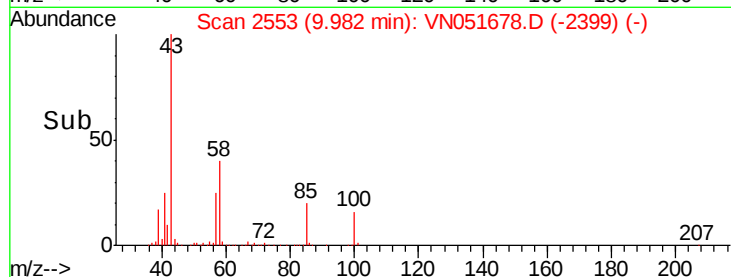
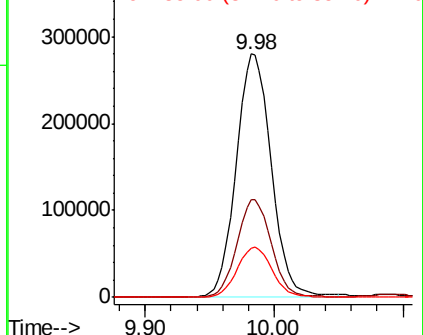
#58
4-Methyl-2-Pentanone
Concen: 111.391 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN051678.D
Acq: 5 Oct 2018 11:25

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100518

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.5	29.3	43.9
85	20.6	12.6	18.8#

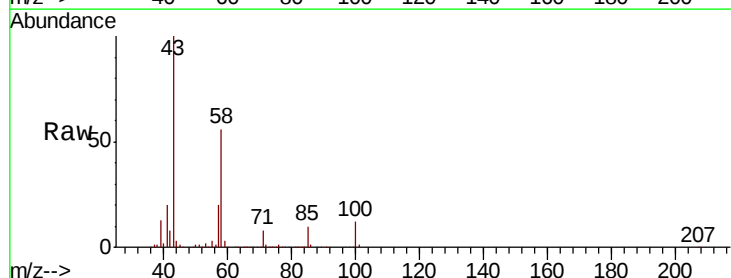


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 85.00 (84.70 to 85.70): VN0

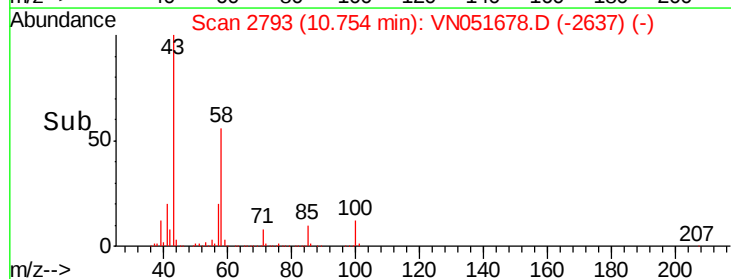
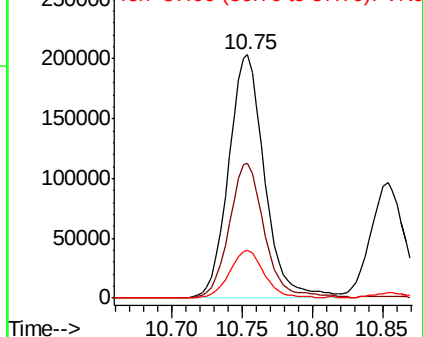


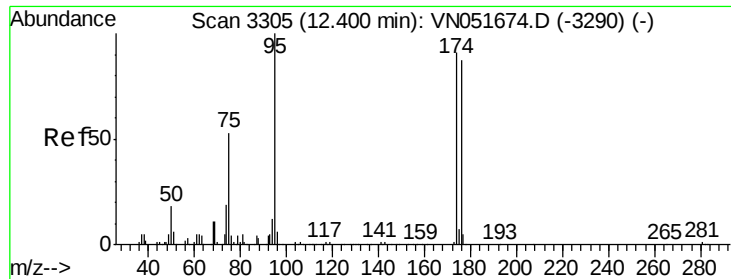
#59
2-Hexanone
Concen: 112.040 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051678.D
Acq: 5 Oct 2018 11:25

Tgt Ion	Ratio	Lower	Upper
43	100		
58	55.2	41.3	61.9
57	19.4	13.4	20.0



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 57.00 (56.70 to 57.70): VN0





#60

4-Bromofluorobenzene

Concen: 112.040 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN100518

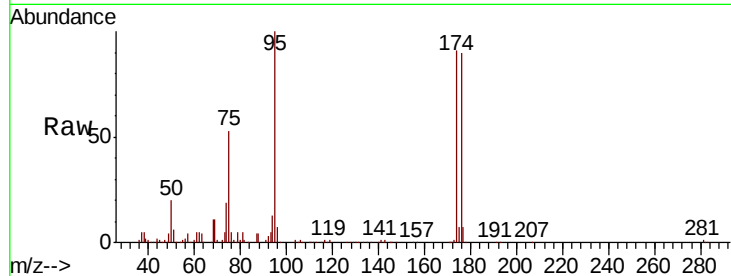
Tot Ion: 95 Resp: 241356

Ion Ratio Lower Upper

95 100

174 93.1 73.5 110.3

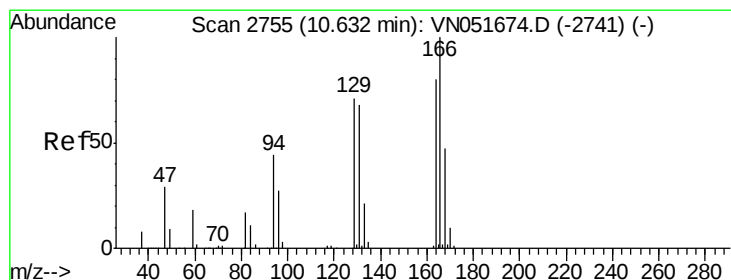
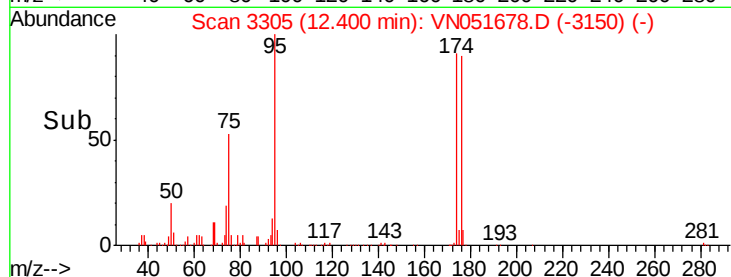
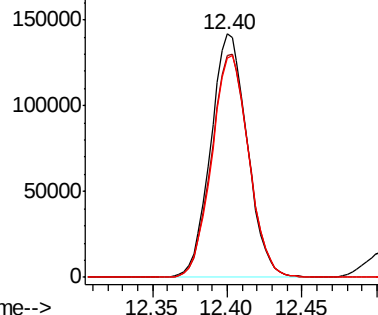
176 92.0 70.2 105.2



Abundance Ion 95.00 (94.70 to 95.70): VN051678.D (-3290) (-)

Ion 174.00 (173.70 to 174.70): VN051678.D (-3290) (-)

Ion 176.00 (175.70 to 176.70): VN051678.D (-3290) (-)



#61

Tetrachloroethene

Concen: 20.685 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

Tgt Ion: 164 Resp: 140162

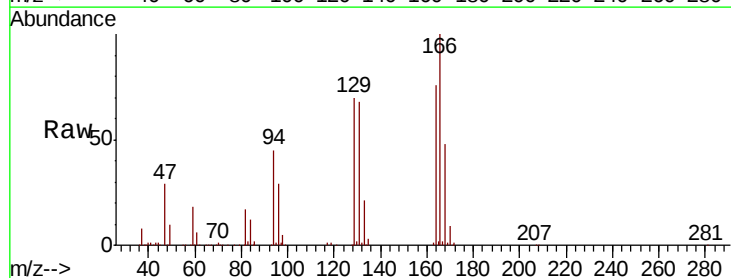
Ion Ratio Lower Upper

164 100

166 131.1 98.7 148.1

129 91.3 69.6 104.4

131 88.8 72.4 108.6

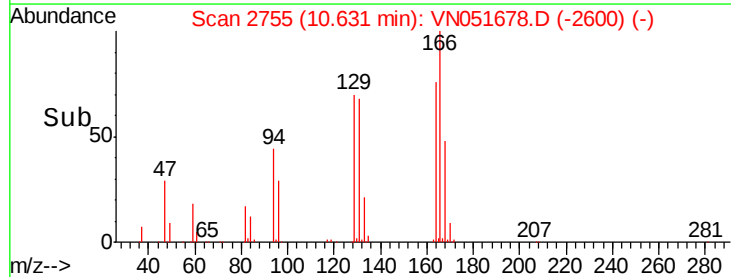
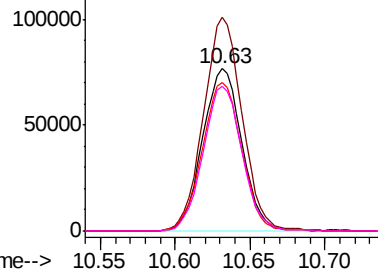


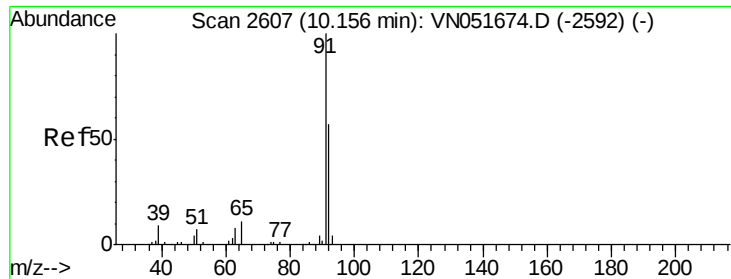
Abundance Ion 163.85 (163.55 to 164.55): VN051678.D (-2600) (-)

Ion 165.80 (165.50 to 166.50): VN051678.D (-2600) (-)

Ion 128.90 (128.60 to 129.60): VN051678.D (-2600) (-)

Ion 130.90 (130.60 to 131.60): VN051678.D (-2600) (-)





#62

Toluene

Concen: 21.339 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

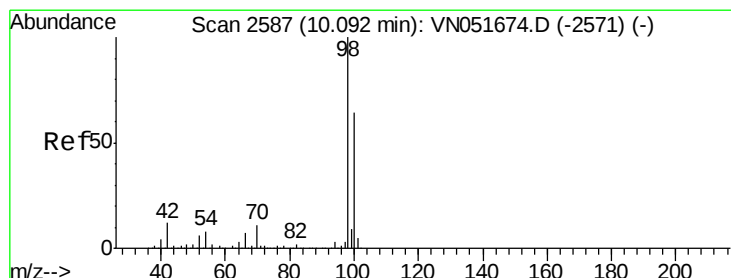
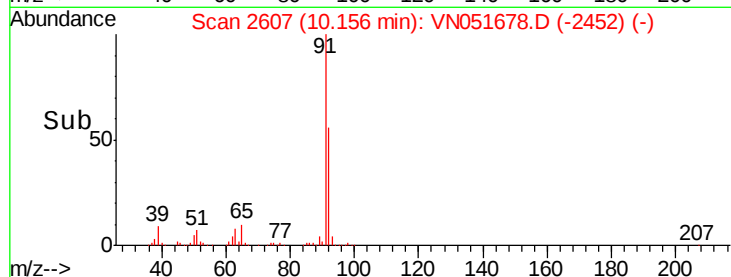
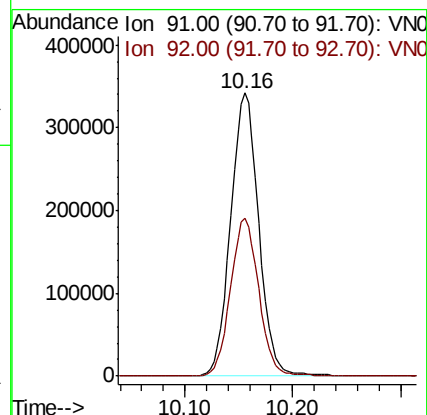
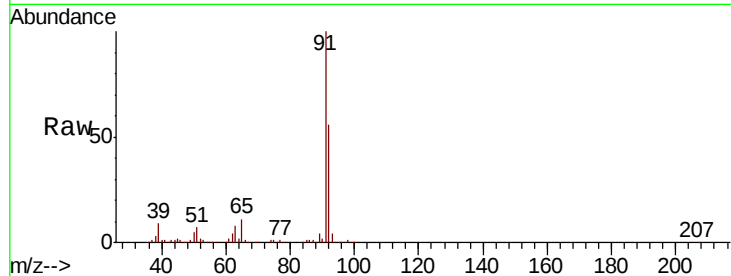
ICVFN100518

Tot Ion: 91 Resp: 621719

Ion Ratio Lower Upper

91 100

92 56.1 44.6 66.8



#63

Toluene-d8

Concen: 21.339 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051678.D

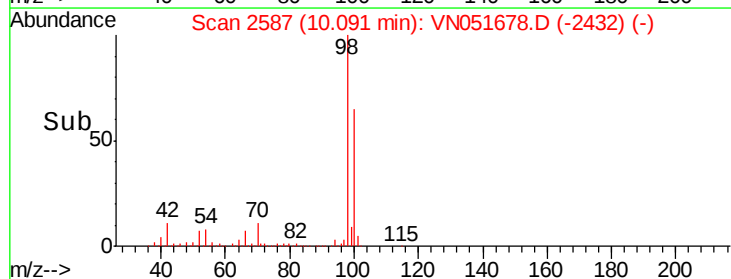
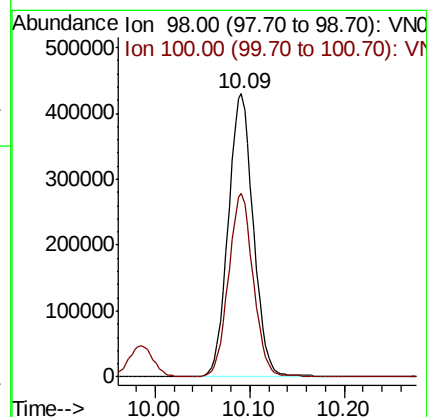
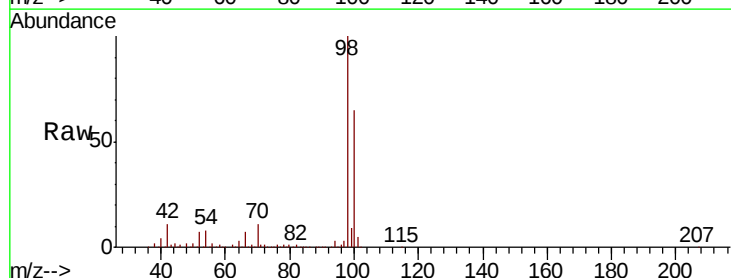
Acq: 5 Oct 2018 11:25

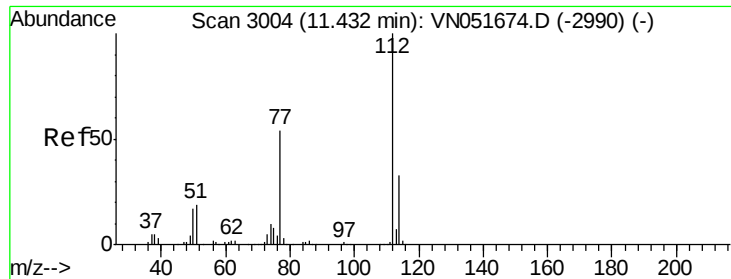
Tgt Ion: 98 Resp: 793335

Ion Ratio Lower Upper

98 100

100 63.7 50.8 76.2

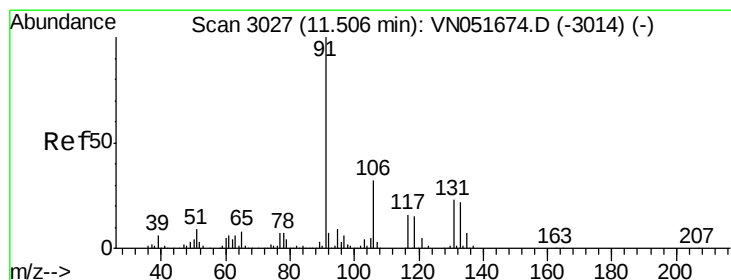
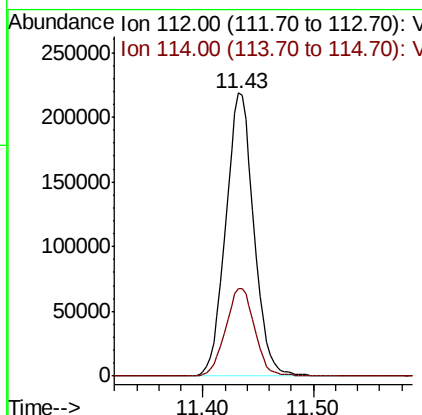
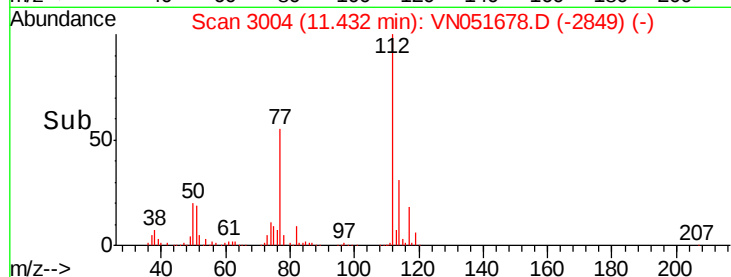
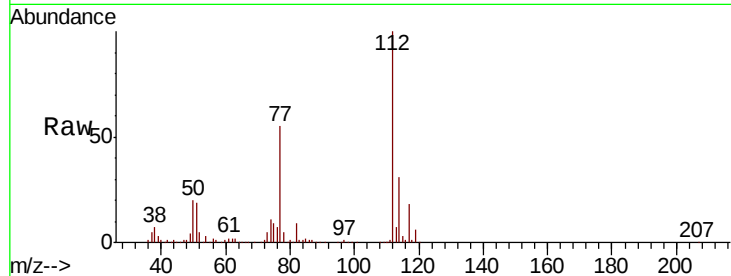




#64
Chlorobenzene
Concen: 20.637 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051678.D
Acq: 5 Oct 2018 11:25

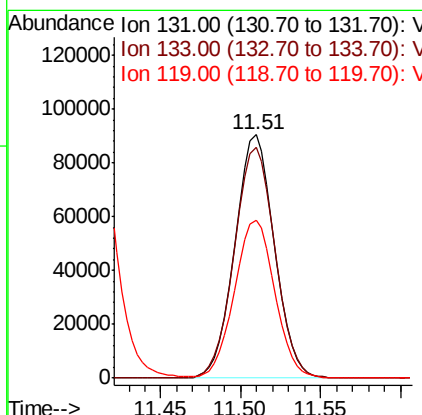
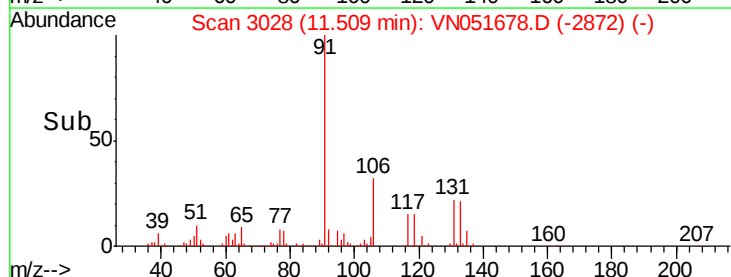
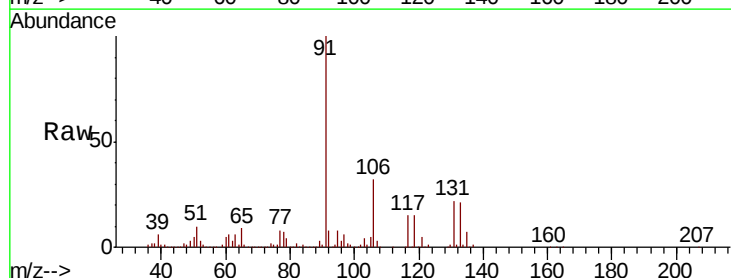
Instrument :
MSVOA_N
ClientSampleId :
ICVVN100518

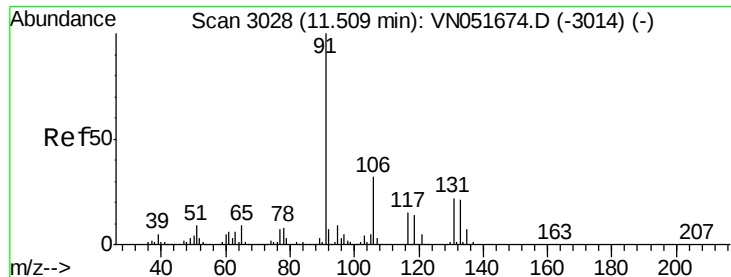
Tot Ion:112 Resp: 385929
Ion Ratio Lower Upper
112 100
114 31.1 27.5 41.3



#65
1,1,1,2-Tetrachloroethane
Concen: 19.994 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051678.D
Acq: 5 Oct 2018 11:25

Tgt Ion:131 Resp: 152181
Ion Ratio Lower Upper
131 100
133 97.5 0.0 190.4
119 66.3 0.0 128.0

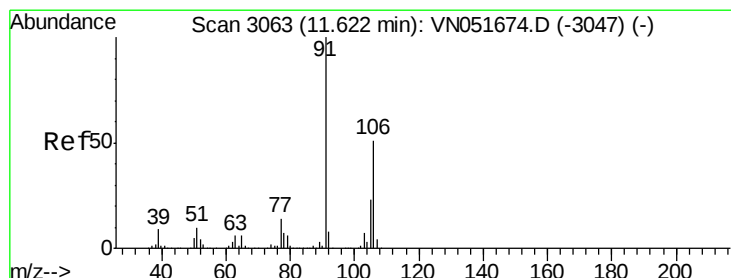
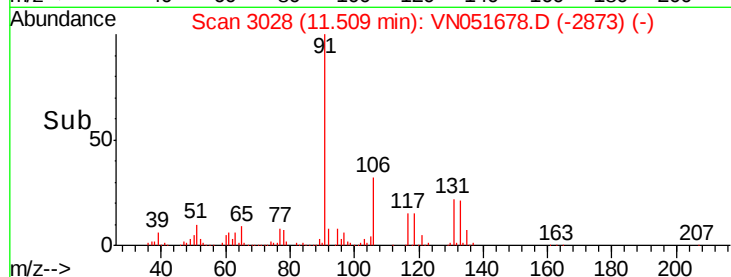
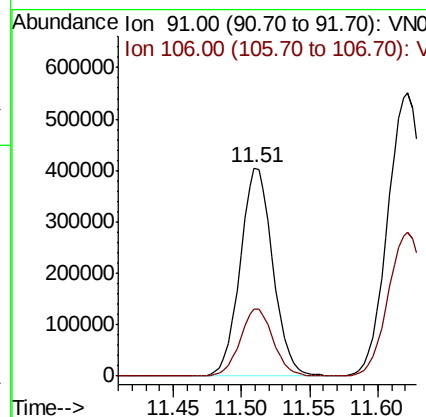
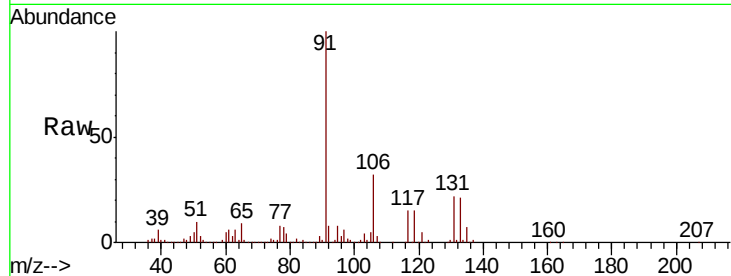




#66
Ethyl Benzene
Concen: 20.459 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051678.D
Acq: 5 Oct 2018 11:25

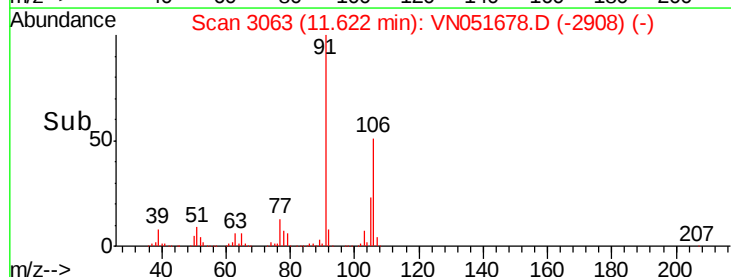
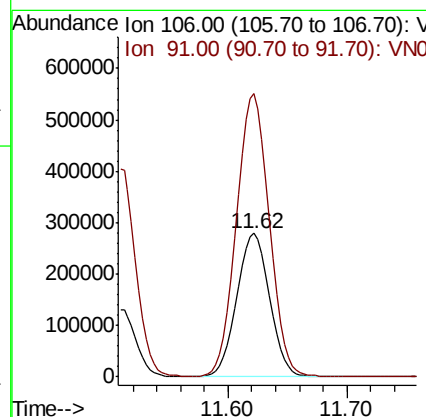
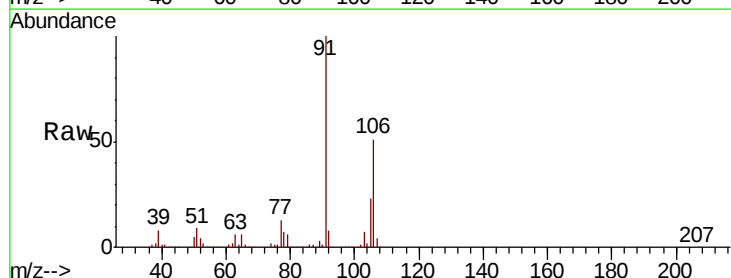
Instrument :
MSVOA_N
ClientSampled :
ICVVN100518

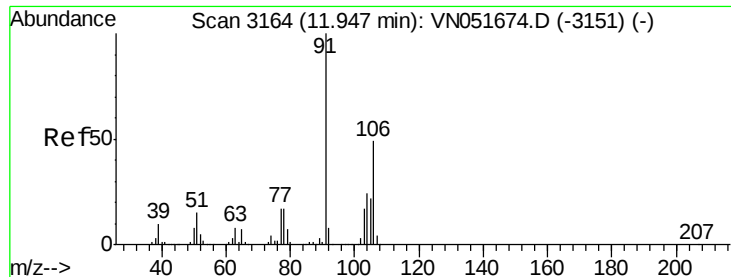
Tot Ion: 91 Resp: 670565
Ion Ratio Lower Upper
91 100
106 32.5 25.9 38.9



#67
m/p-Xylenes
Concen: 40.692 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051678.D
Acq: 5 Oct 2018 11:25

Tgt Ion: 106 Resp: 533435
Ion Ratio Lower Upper
106 100
91 197.1 158.8 238.2

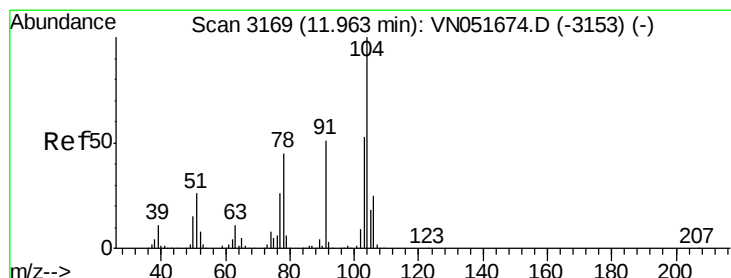
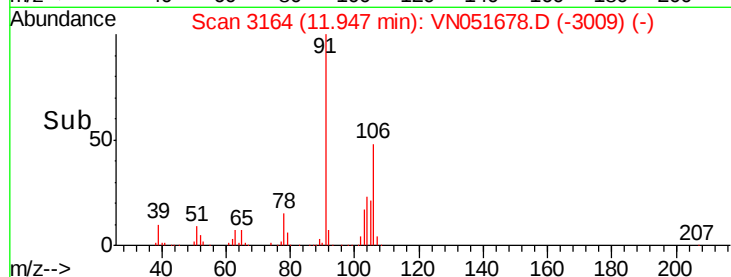
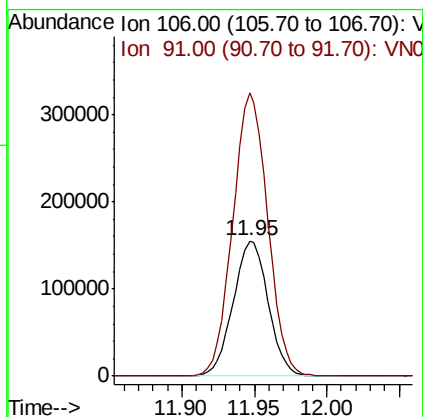
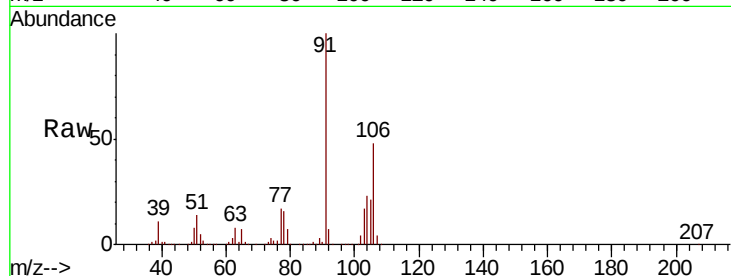




#68
o-Xylene
Concen: 20.089 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051678.D
Acq: 5 Oct 2018 11:25

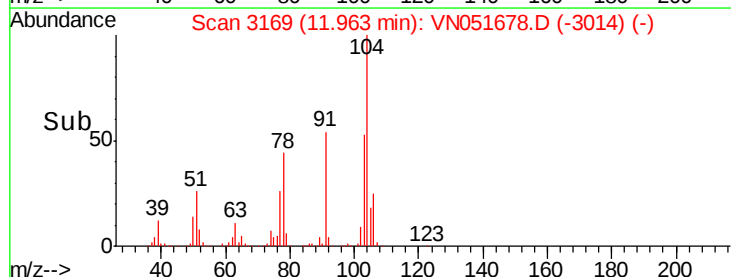
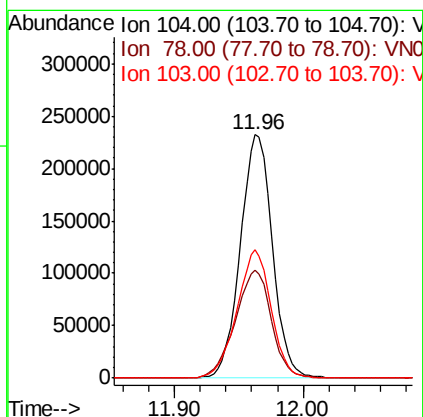
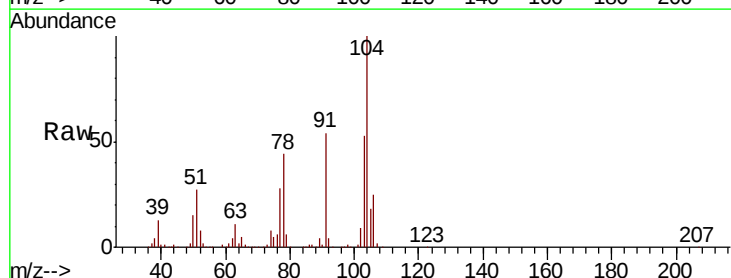
Instrument :
MSVOA_N
ClientSampleId :
ICVFN100518

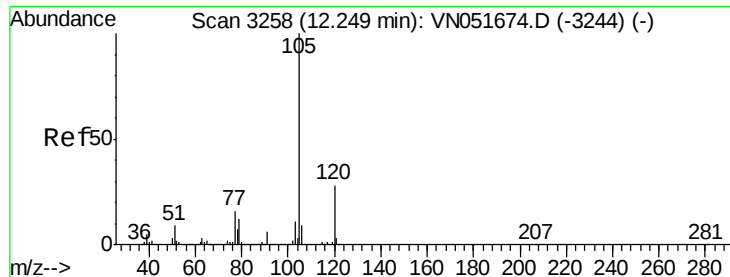
Tot Ion:106 Resp: 259744
Ion Ratio Lower Upper
106 100
91 209.2 111.1 333.3



#69
Styrene
Concen: 19.513 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051678.D
Acq: 5 Oct 2018 11:25

Tgt Ion:104 Resp: 402544
Ion Ratio Lower Upper
104 100
78 49.6 40.6 60.8
103 56.0 44.0 66.0





#70

Isopropylbenzene

Concen: 20.064 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

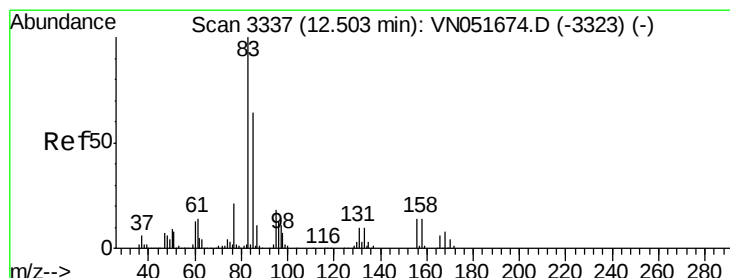
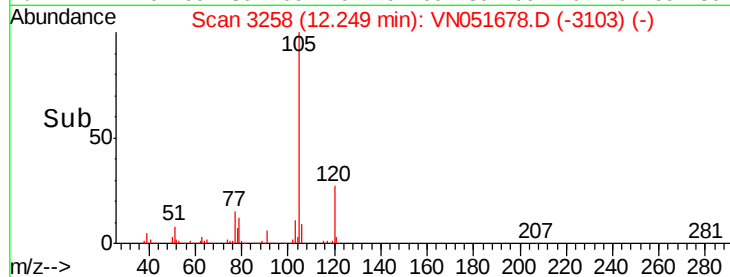
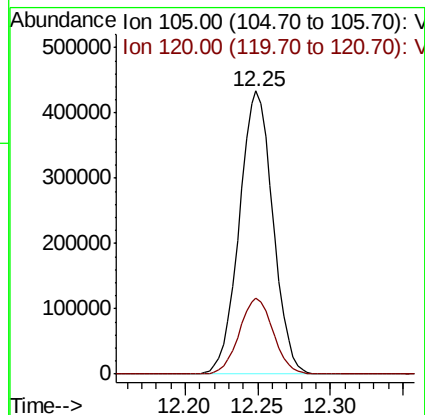
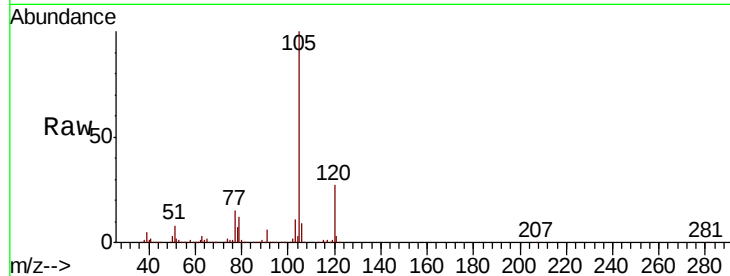
ICVFN100518

Tot Ion:105 Resp: 697069

Ion Ratio Lower Upper

105 100

120 27.1 19.0 35.4



#71

1,1,2,2-Tetrachloroethane

Concen: 20.624 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

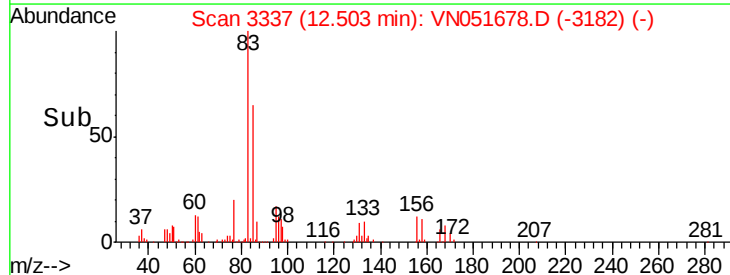
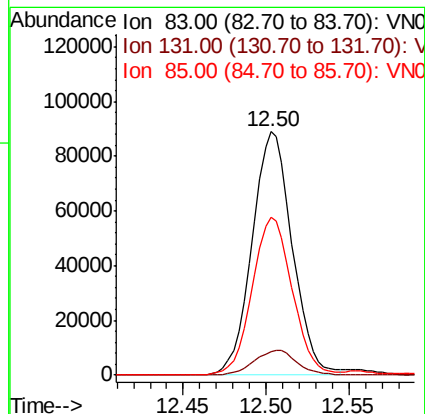
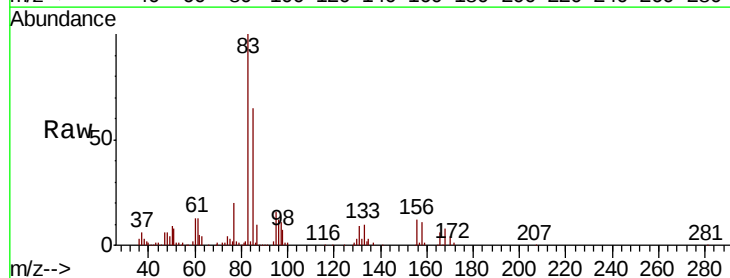
Tgt Ion: 83 Resp: 149638

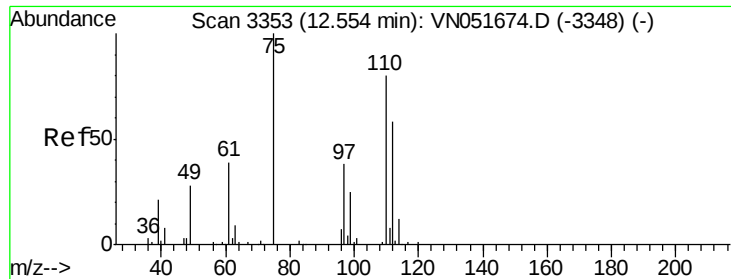
Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.4

85 64.6 30.6 91.8





#72

1,2,3-Trichloropropane

Concen: 31.866 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

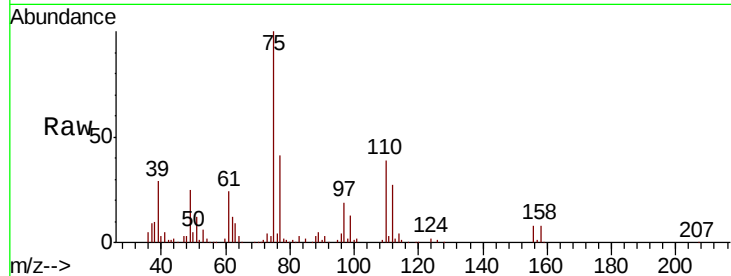
ICVVN100518

Tot Ion: 75 Resp: 184437

Ion Ratio Lower Upper

75 100

77 146.2 0.0 400.0



Abundance Ion 75.00 (74.70 to 75.70): VN051678.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN051678.D (-3348) (-)

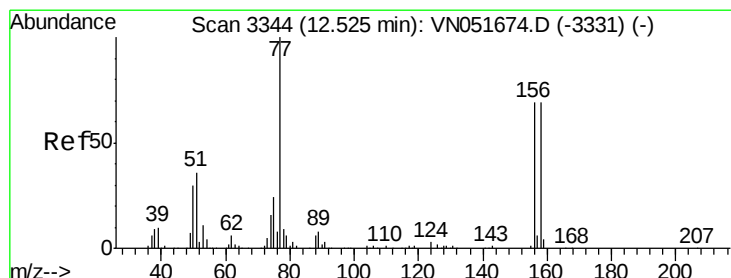
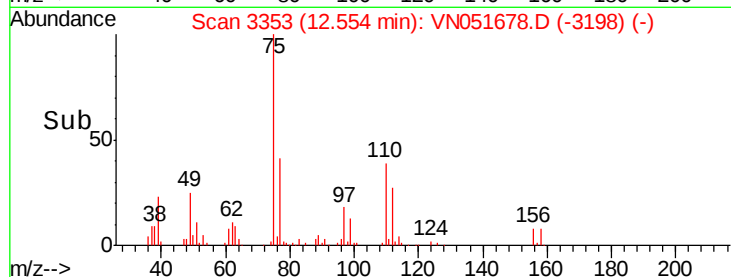
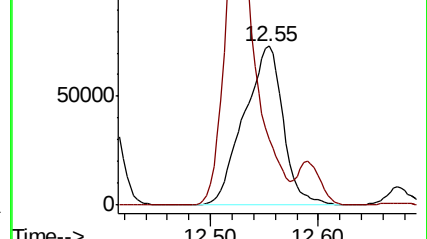
150000

100000

50000

0

12.50 12.55 12.60



#73

Bromobenzene

Concen: 19.661 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

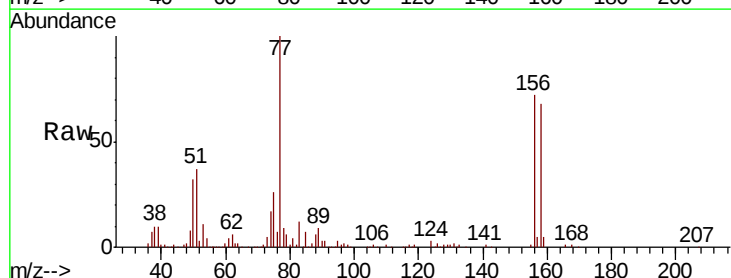
Tgt Ion: 156 Resp: 164292

Ion Ratio Lower Upper

156 100

77 164.1 0.0 377.4

158 94.3 0.0 203.0



Abundance Ion 156.00 (155.70 to 156.70): VN051678.D (-3344) (-)

Ion 77.00 (76.70 to 77.70): VN051678.D (-3344) (-)

Ion 158.00 (157.70 to 158.70): VN051678.D (-3344) (-)

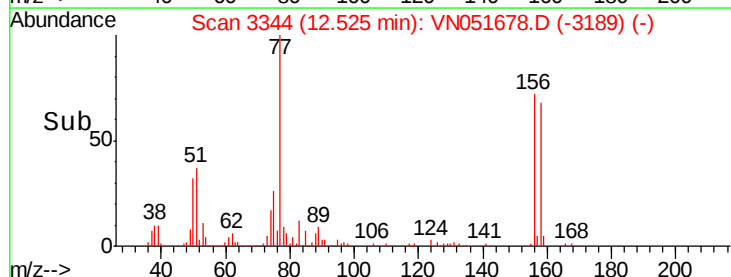
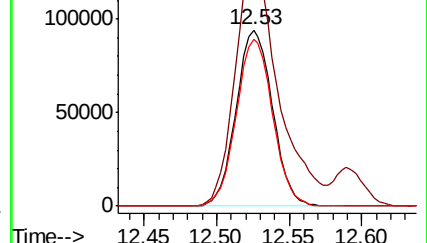
150000

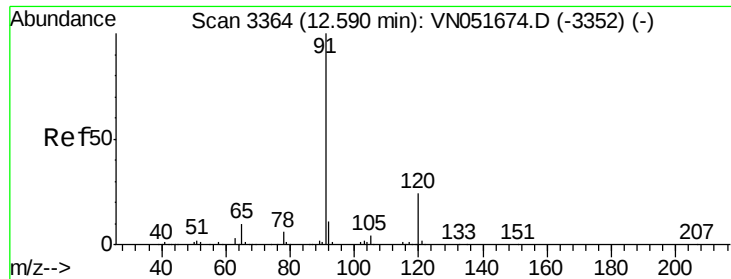
100000

50000

0

12.45 12.50 12.55 12.60





#74

n-propylbenzene

Concen: 20.114 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

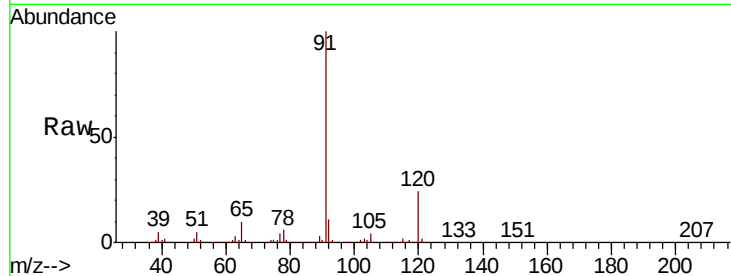
ICV051678

Tot Ion: 91 Resp: 769294

Ion Ratio Lower Upper

91 100

120 24.1 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN051678.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN051678.D (-3352) (-)

12.59

500000

400000

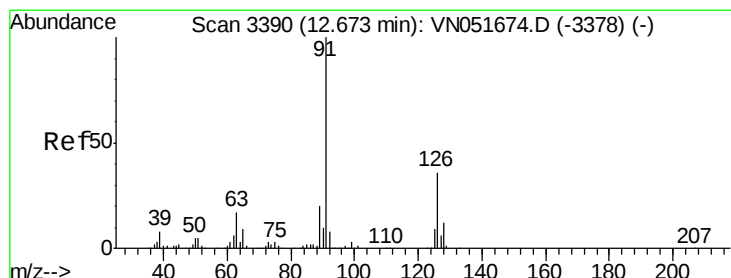
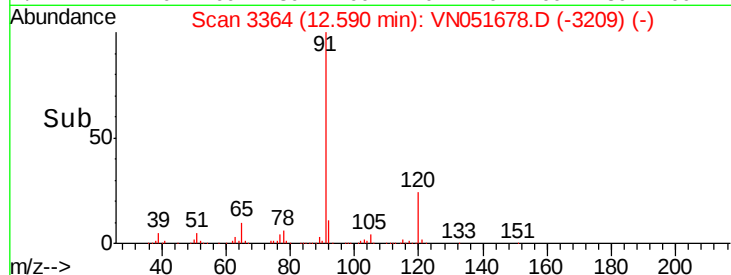
300000

200000

100000

0

Time-->



#75

2-Chlorotoluene

Concen: 19.767 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051678.D

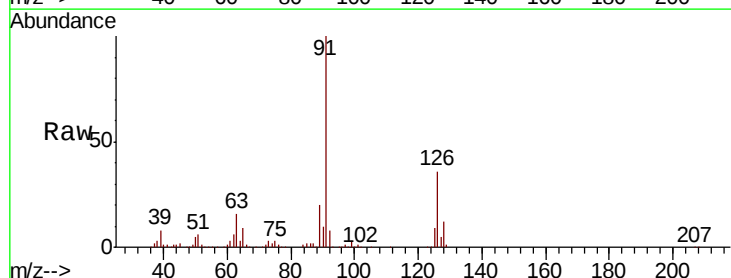
Acq: 5 Oct 2018 11:25

Tgt Ion: 91 Resp: 441743

Ion Ratio Lower Upper

91 100

126 36.5 0.0 67.6



Abundance Ion 91.00 (90.70 to 91.70): VN051678.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN051678.D (-3378) (-)

12.67

500000

400000

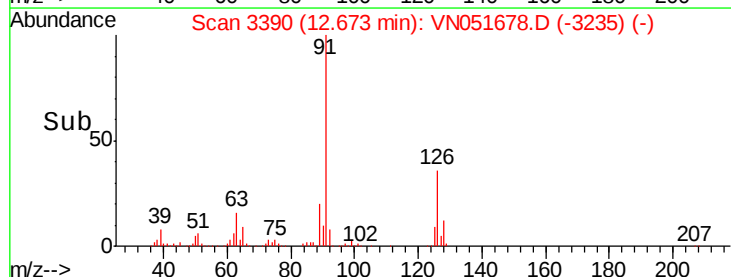
300000

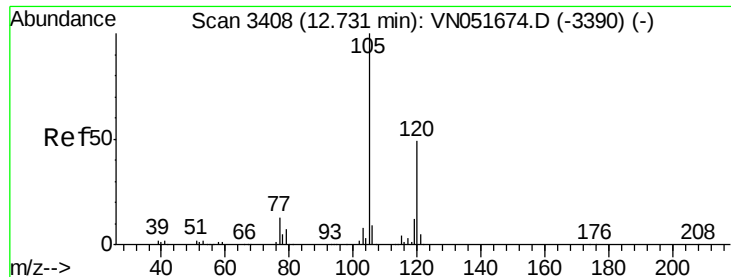
200000

100000

0

Time-->





#76

1,3,5-Trimethylbenzene

Concen: 19.604 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

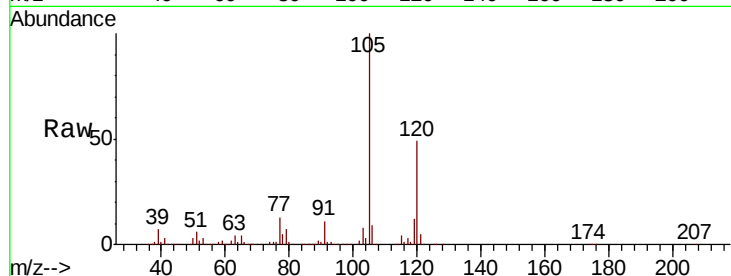
ICVNN100518

Tot Ion:105 Resp: 577950

Ion Ratio Lower Upper

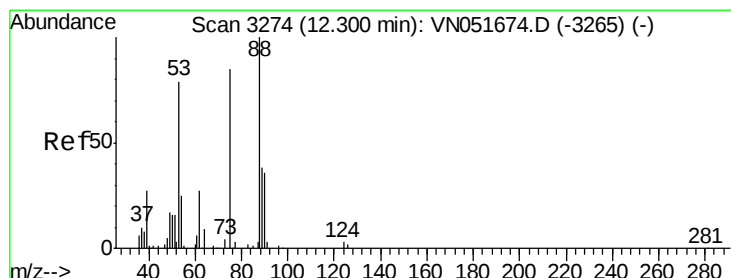
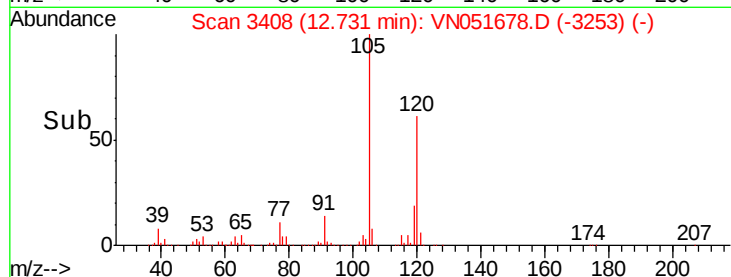
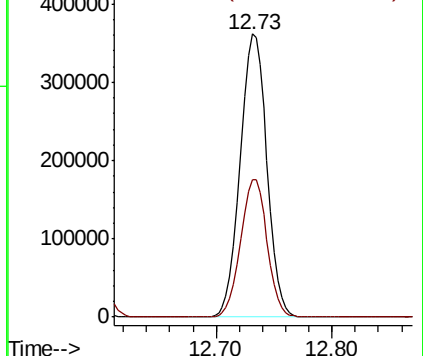
105 100

120 48.3 0.0 98.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#77

t-1,4-Dichloro-2-butene

Concen: 20.302 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

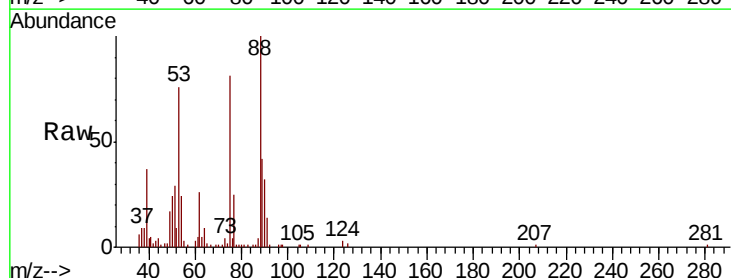
Tgt Ion: 75 Resp: 43811

Ion Ratio Lower Upper

75 100

53 92.0 46.3 138.9

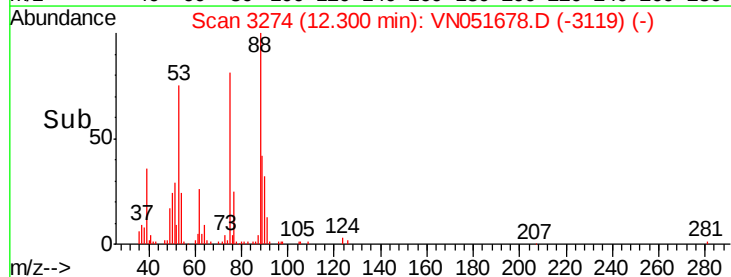
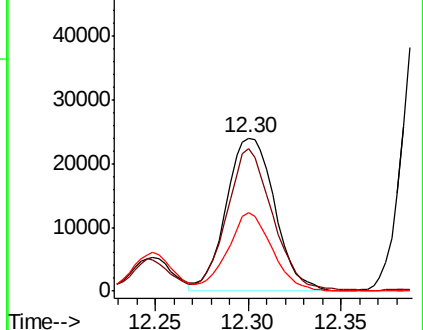
89 51.7 24.6 73.8

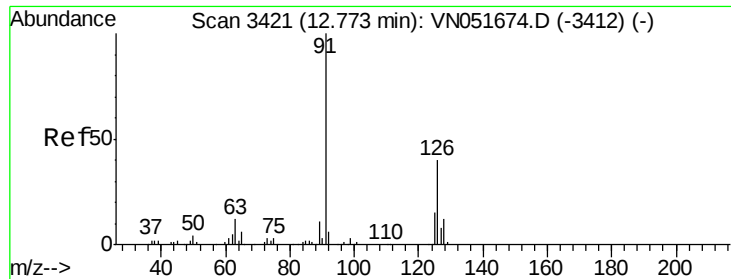


Abundance Ion 75.00 (74.70 to 75.70): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 89.00 (88.70 to 89.70): VNO





#78

4-Chlorotoluene

Concen: 19.702 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

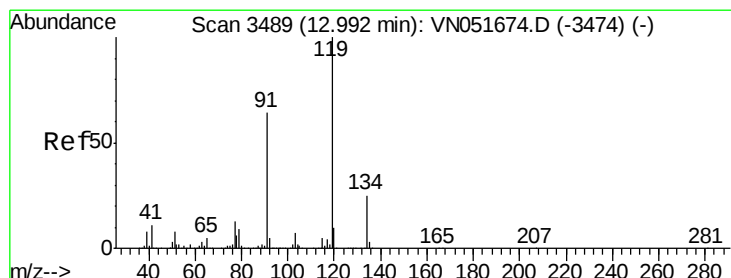
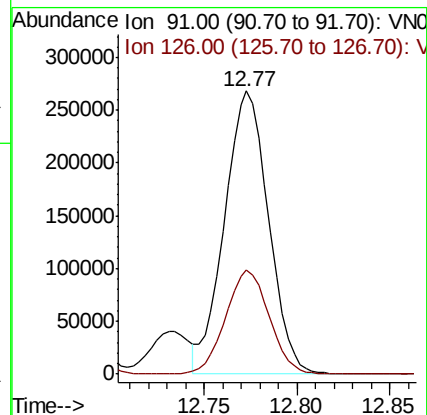
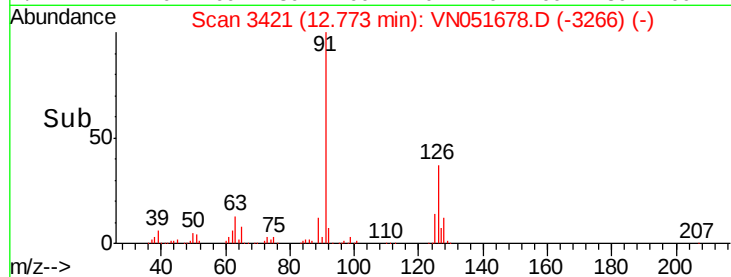
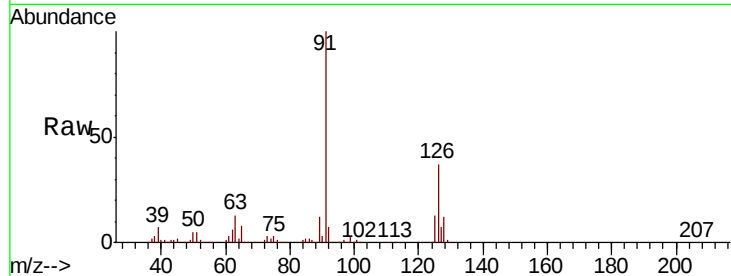
ICVNN100518

Tot Ion: 91 Resp: 441256

Ion Ratio Lower Upper

91 100

126 36.4 0.0 65.2



#79

tert-butylbenzene

Concen: 19.626 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

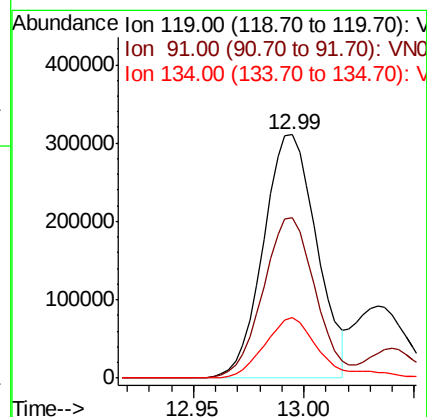
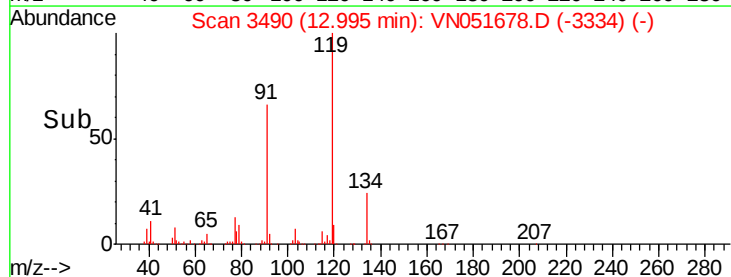
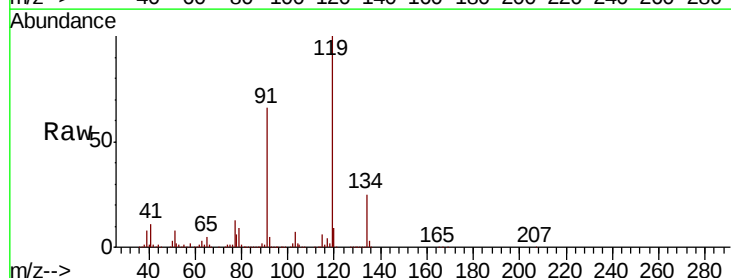
Tgt Ion: 119 Resp: 520397

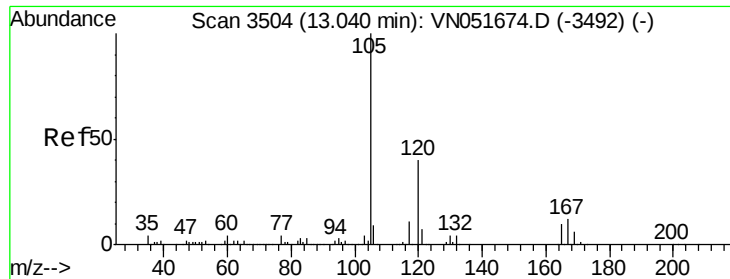
Ion Ratio Lower Upper

119 100

91 64.2 0.0 131.6

134 26.1 0.0 46.2

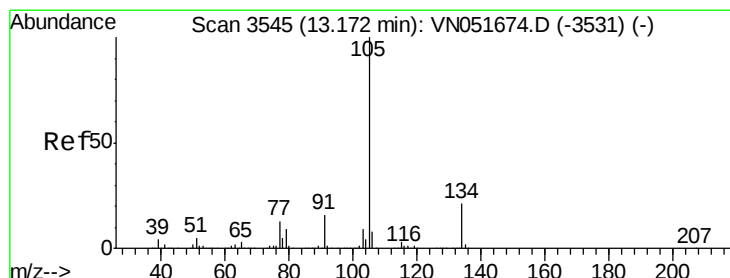
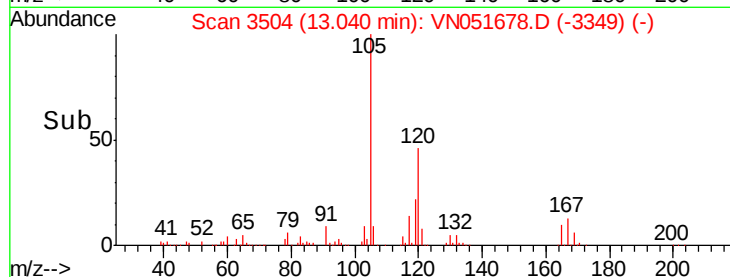
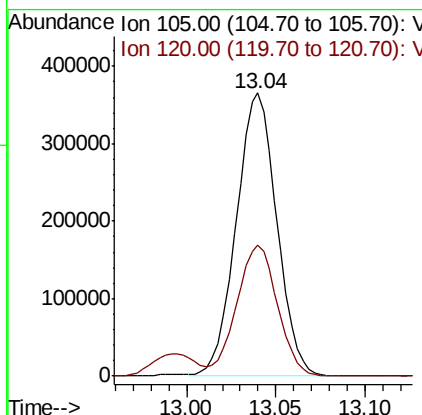
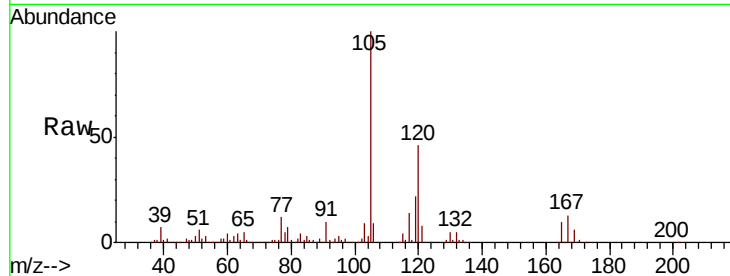




#80
 1,2,4-Trimethylbenzene
 Concen: 19.804 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051678.D
 Acq: 5 Oct 2018 11:25

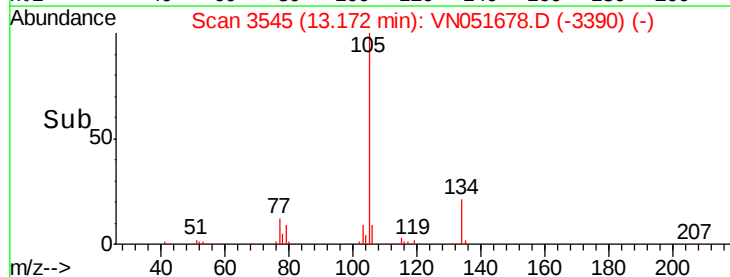
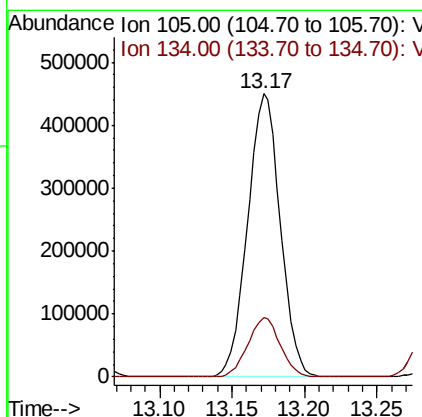
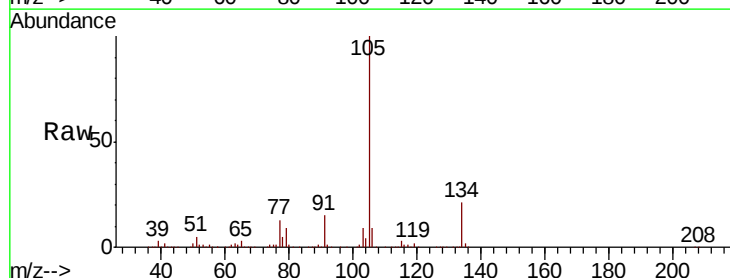
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN100518

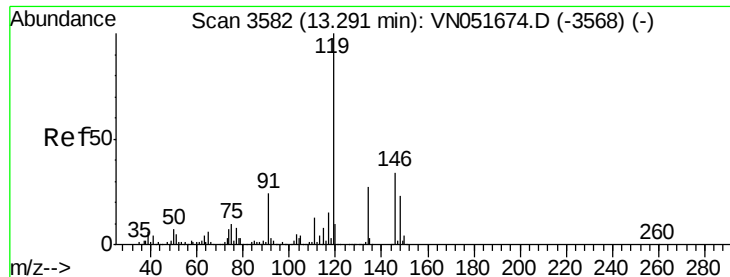
Tot Ion:105 Resp: 580738
 Ion Ratio Lower Upper
 105 100
 120 46.4 0.0 89.6



#81
 sec-Butylbenzene
 Concen: 19.879 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051678.D
 Acq: 5 Oct 2018 11:25

Tgt Ion:105 Resp: 705130
 Ion Ratio Lower Upper
 105 100
 134 20.8 0.0 39.4

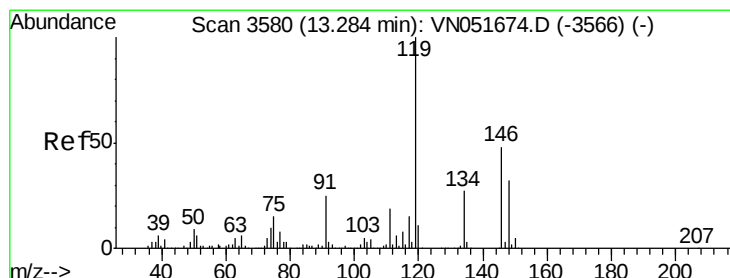
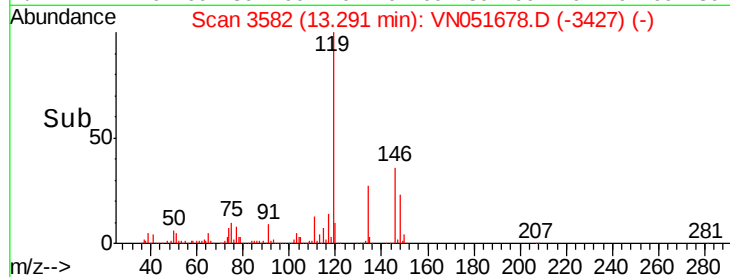
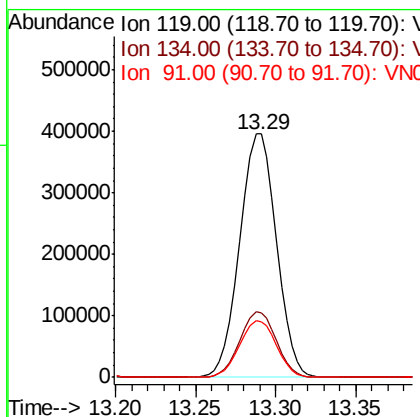
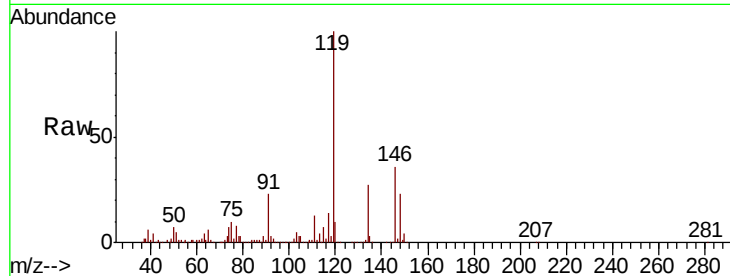




#82
 p-Isopropyltoluene
 Concen: 19.788 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN051678.D
 Acq: 5 Oct 2018 11:25

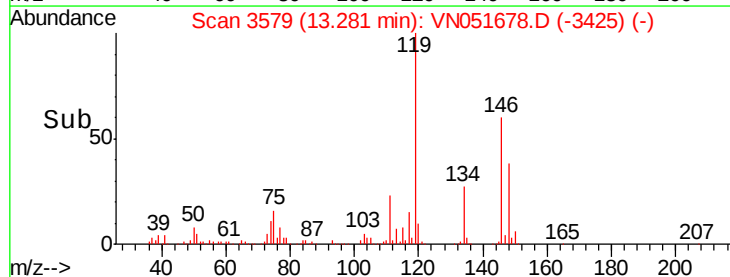
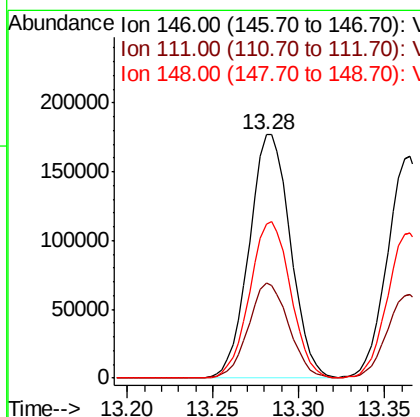
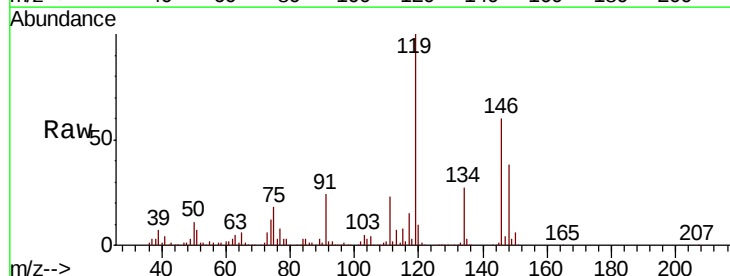
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN100518

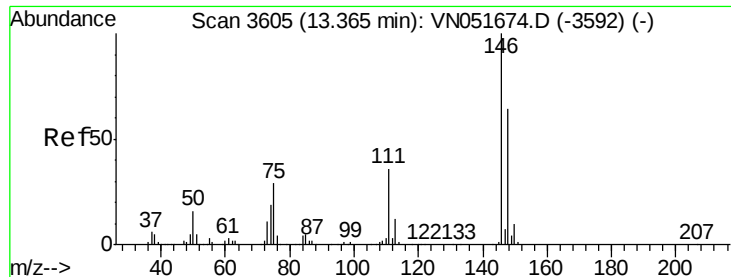
Tot Ion:119 Resp: 618331
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 53.6
 91 23.3 0.0 52.0



#83
 1,3-Dichlorobenzene
 Concen: 19.692 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051678.D
 Acq: 5 Oct 2018 11:25

Tgt Ion:146 Resp: 294258
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.1 54.3
 148 63.7 31.3 93.8





#84

1,4-Dichlorobenzene

Concen: 18.892 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN100518

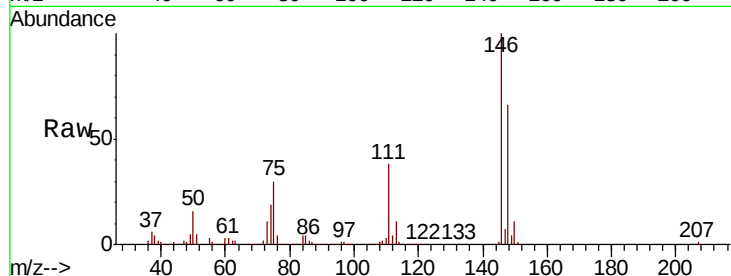
Tot Ion:146 Resp: 269772

Ion Ratio Lower Upper

146 100

111 37.4 17.4 52.2

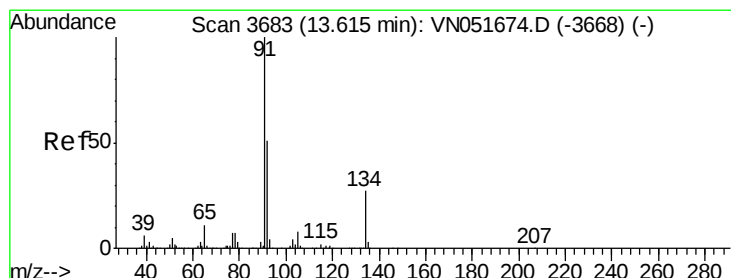
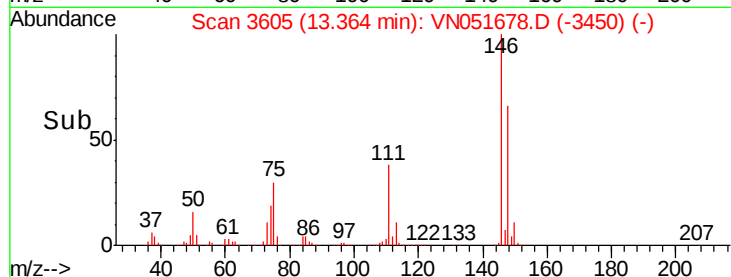
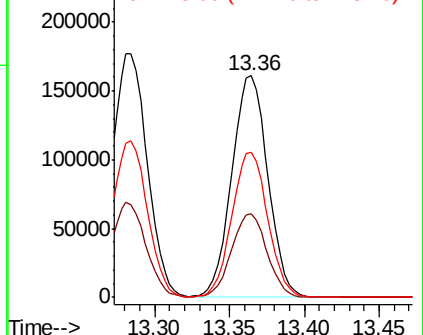
148 65.5 32.8 98.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 19.900 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

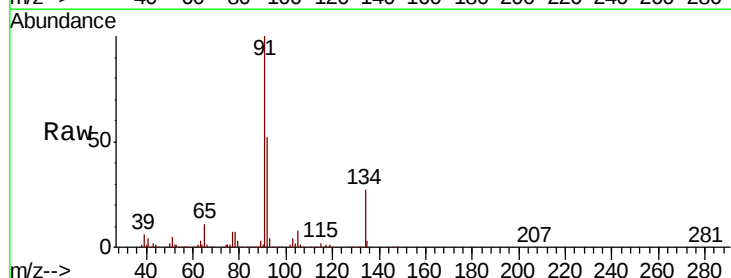
Tgt Ion: 91 Resp: 491516

Ion Ratio Lower Upper

91 100

92 50.6 0.0 97.4

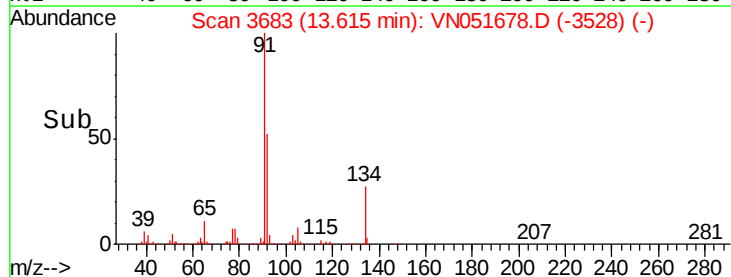
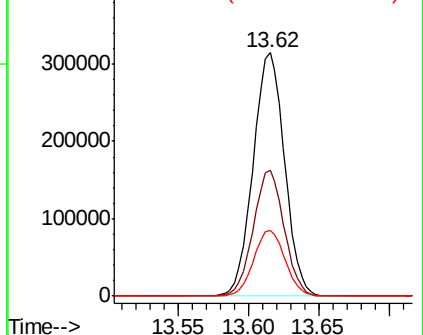
134 27.0 0.0 49.6

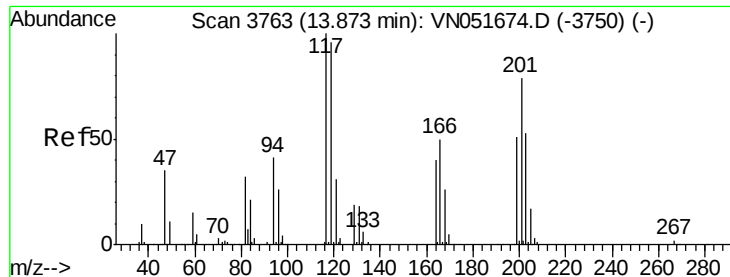


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#86

Hexachloroethane

Concen: 19.704 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

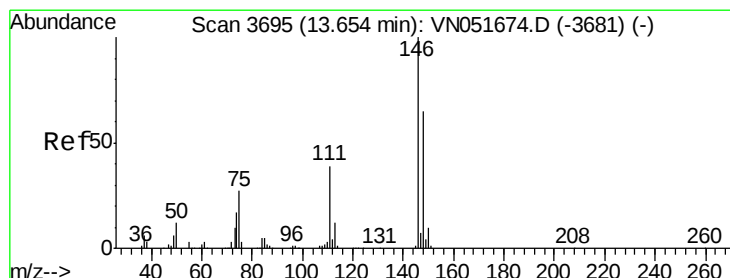
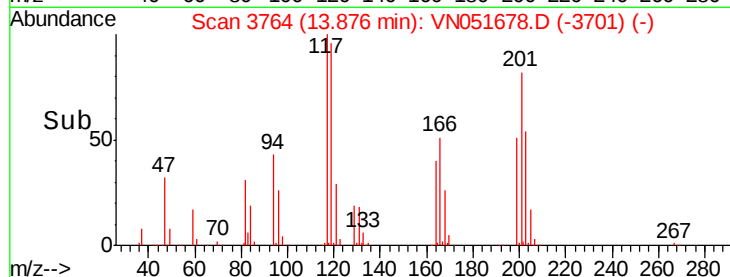
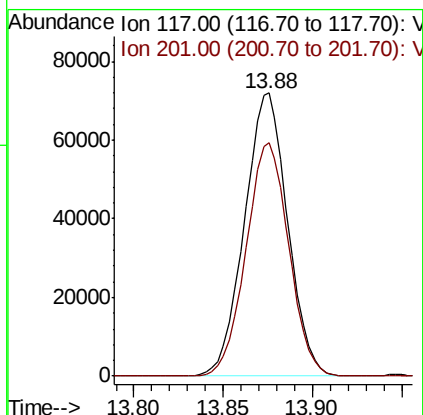
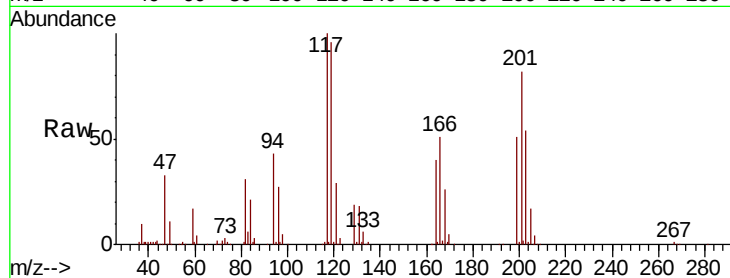
ICVNN100518

Tot Ion:117 Resp: 121821

Ion Ratio Lower Upper

117 100

201 81.5 47.8 143.3



#87

1,2-Dichlorobenzene

Concen: 19.111 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

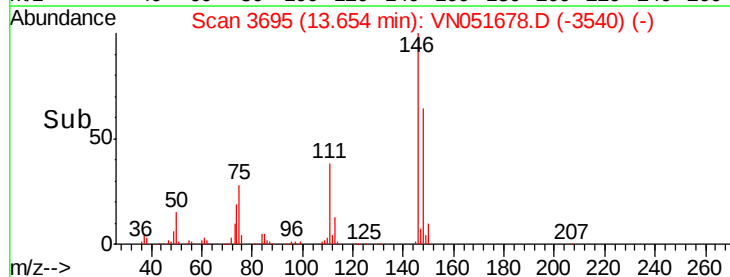
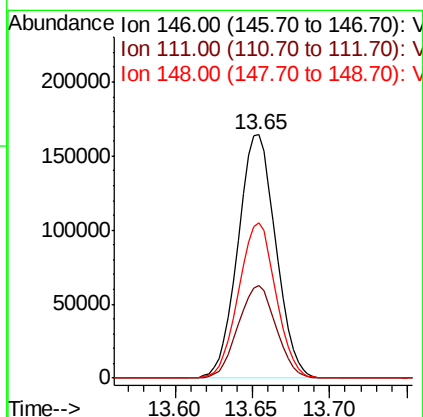
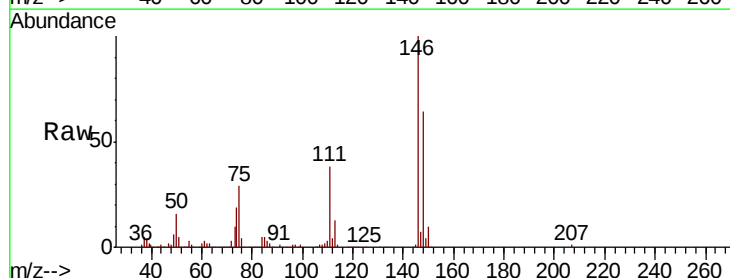
Tgt Ion:146 Resp: 279847

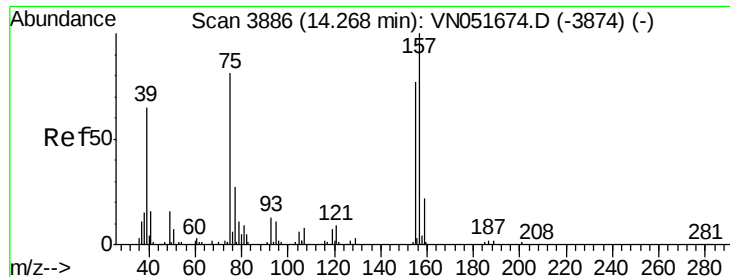
Ion Ratio Lower Upper

146 100

111 38.0 20.8 62.2

148 62.8 33.2 99.6





#88

1,2-Dibromo-3-Chloropropane

Concen: 21.166 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN100518

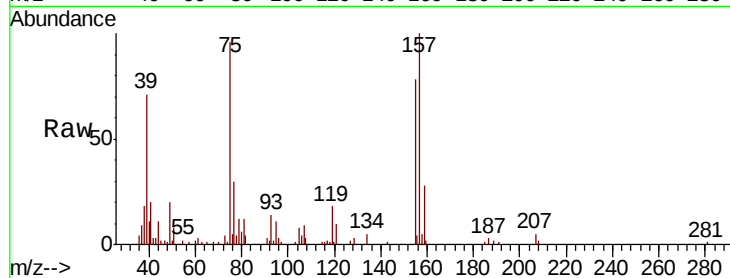
Tot Ion: 75 Resp: 25287

Ion Ratio Lower Upper

75 100

155 87.2 57.0 85.6#

157 113.9 87.4 131.0

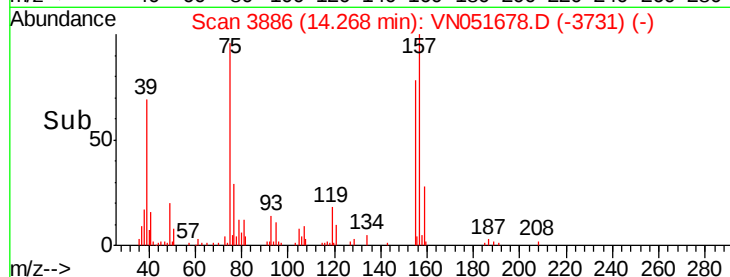


Abundance Ion 75.00 (74.70 to 75.70): VN051678.D (-3874) (-)

Ion 155.00 (154.70 to 155.70): VN051678.D (-3874) (-)

Ion 157.00 (156.70 to 157.70): VN051678.D (-3874) (-)

Time-->

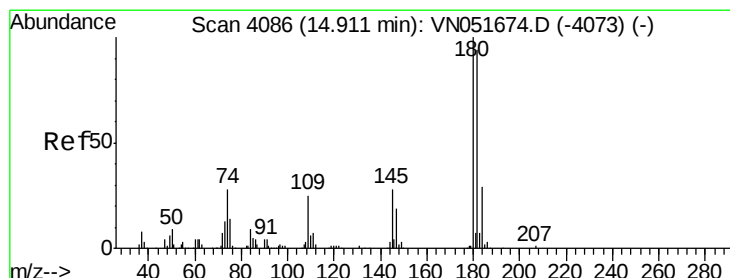


Abundance Ion 75.00 (74.70 to 75.70): VN051678.D (-3731) (-)

Ion 155.00 (154.70 to 155.70): VN051678.D (-3731) (-)

Ion 157.00 (156.70 to 157.70): VN051678.D (-3731) (-)

Time-->



#89

1,2,4-Trichlorobenzene

Concen: 22.227 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN051678.D

Acq: 5 Oct 2018 11:25

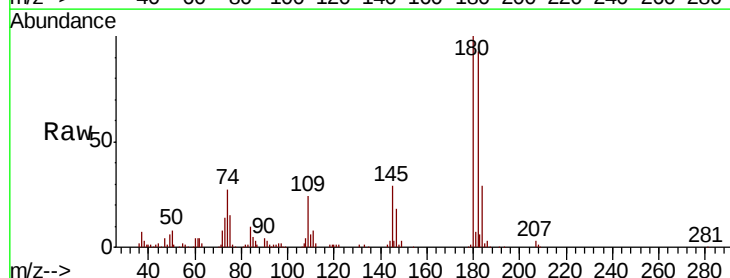
Tgt Ion:180 Resp: 137189

Ion Ratio Lower Upper

180 100

182 95.0 77.7 116.5

145 29.9 23.4 35.2

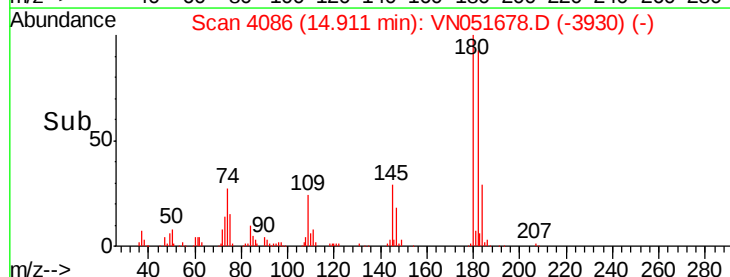


Abundance Ion 180.00 (179.70 to 180.70): VN051678.D (-4073) (-)

Ion 182.00 (181.70 to 182.70): VN051678.D (-4073) (-)

Ion 145.00 (144.70 to 145.70): VN051678.D (-4073) (-)

Time-->

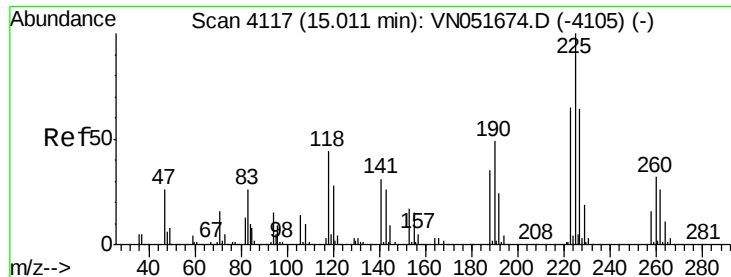


Abundance Ion 180.00 (179.70 to 180.70): VN051678.D (-3930) (-)

Ion 182.00 (181.70 to 182.70): VN051678.D (-3930) (-)

Ion 145.00 (144.70 to 145.70): VN051678.D (-3930) (-)

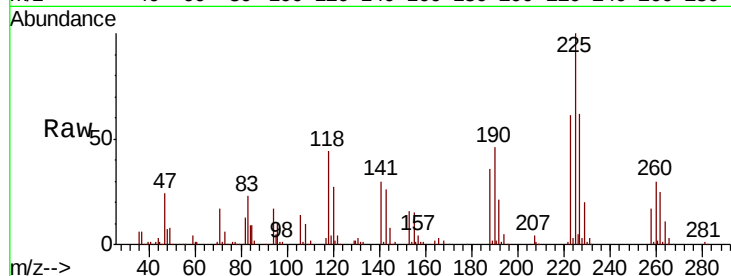
Time-->



#90
Hexachlorobutadiene
Concen: 22.994 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN051678.D
Acq: 5 Oct 2018 11:25

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100518

Tot Ion	Ratio	Lower	Upper
225	100		
223	60.3	0.0	117.0
227	62.1	0.0	127.0

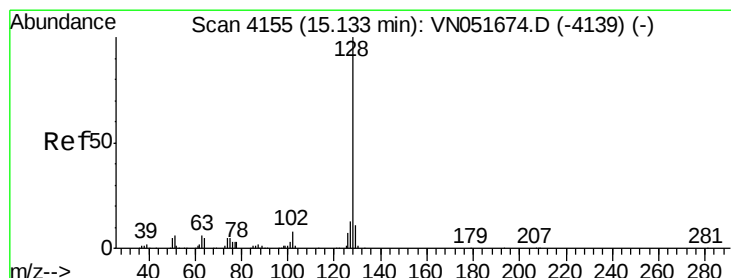
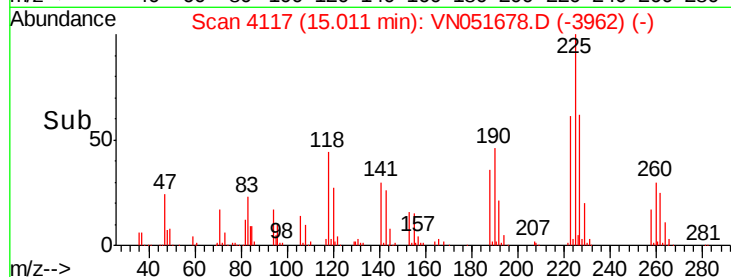
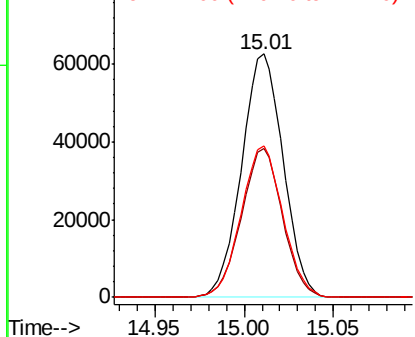


Abundance

Ion 225.00 (224.70 to 225.70): V

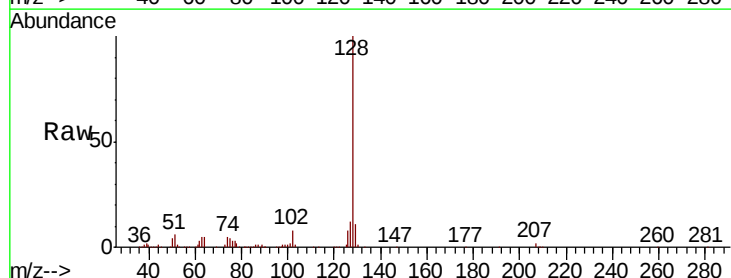
Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91
Naphthalene
Concen: 21.783 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051678.D
Acq: 5 Oct 2018 11:25

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	11.0	8.4	12.6

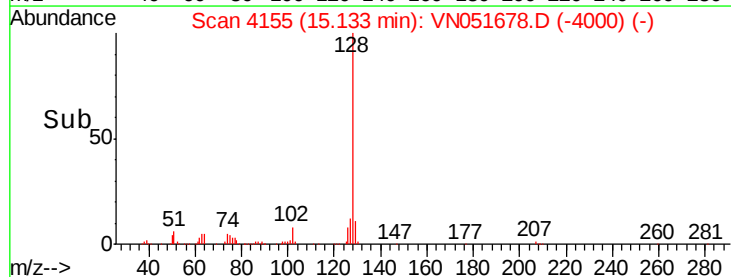
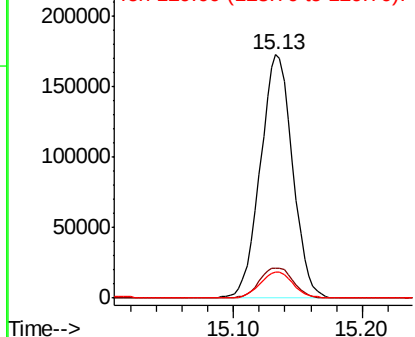


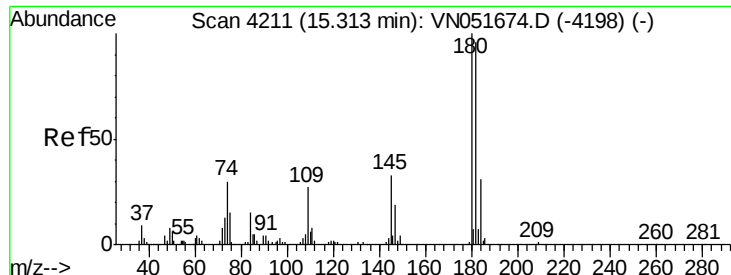
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#92
 1,2,3-Trichlorobenzene
 Concen: 23.070 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN051678.D
 Acq: 5 Oct 2018 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN100518

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	0.0	198.0
145	29.2	0.0	36.8

