

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052765.D
 Acq On : 10 Dec 2018 20:30
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 11 01:25:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	969029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1500094	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1341055	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	650052	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	530890	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
35) Dibromofluoromethane	7.59	113	395433	42.76	ug/l	0.00
Spiked Amount			Recovery	=	85.52%	
50) Toluene-d8	10.09	98	1834356	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.40	95	651403	53.85	ug/l	0.00
Spiked Amount			Recovery	=	107.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	372369	41.040	ug/l	98
3) Chloromethane	2.06	50	481939	40.239	ug/l	99
4) Vinyl Chloride	2.19	62	514562	41.823	ug/l	100
5) Bromomethane	2.57	94	280552	36.547	ug/l	99
6) Chloroethane	2.71	64	321608	43.155	ug/l	99
7) Trichlorofluoromethane	3.02	101	689786	45.643	ug/l	100
8) Diethyl Ether	3.41	74	275039	49.282	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	445820	47.276	ug/l	98
10) Methyl Iodide	3.96	142	564395	44.936	ug/l	99
11) Tert butyl alcohol	4.77	59	159146	301.293	ug/l	100
12) 1,1-Dichloroethene	3.74	96	418825	46.140	ug/l	99
13) Acrolein	3.61	56	98055	106.810	ug/l	100
14) Allyl chloride	4.33	41	720392	46.047	ug/l	99
15) Acrylonitrile	4.99	53	867159	259.346	ug/l	99
16) Acetone	3.82	43	592091	212.759	ug/l	99
17) Carbon Disulfide	4.06	76	1073221	37.570	ug/l	100
18) Methyl Acetate	4.32	43	445195	55.770	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1270608	52.610	ug/l	99
20) Methylene Chloride	4.55	84	496640	45.604	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	444679	45.868	ug/l	94
22) Diisopropyl ether	5.95	45	1587430	48.306	ug/l	98
23) Vinyl Acetate	5.90	43	4657640	227.554	ug/l	99
24) 1,1-Dichloroethane	5.85	63	894728	47.685	ug/l	99
25) 2-Butanone	6.83	43	967538	245.288	ug/l	97
26) 2,2-Dichloropropane	6.83	77	615892	47.423	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	544297	48.197	ug/l	98
28) Bromochloromethane	7.19	49	410679	47.920	ug/l	94
29) Tetrahydrofuran	7.21	42	648586	254.929	ug/l	98
30) Chloroform	7.37	83	894856	47.802	ug/l	98
31) Cyclohexane	7.65	56	780105	42.904	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	735904	49.616	ug/l	99
36) 1,1-Dichloropropene	7.79	75	655539	46.276	ug/l	98
37) Ethyl Acetate	6.93	43	435005	50.317	ug/l	98
38) Carbon Tetrachloride	7.78	117	629704	49.104	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	778279	45.202	ug/l	99
40) Benzene	8.04	78	2018705	47.818	ug/l	100
41) Methacrylonitrile	7.17	41	232198	49.127	ug/l	93
42) 1,2-Dichloroethane	8.13	62	631075	49.369	ug/l	99
43) Isopropyl Acetate	8.16	43	834106	57.012	ug/l	96
44) Trichloroethene	8.84	130	548650	50.736	ug/l	100
45) 1,2-Dichloropropane	9.12	63	548039	48.828	ug/l	99
46) Dibromomethane	9.21	93	318053	51.189	ug/l	98
47) Bromodichloromethane	9.40	83	684034	50.636	ug/l	99
48) Methyl methacrylate	9.20	41	406305	53.260	ug/l	99
49) 1,4-Dioxane	9.20	88	92832	1172.519	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	2220670	270.526	ug/l	99
52) Toluene	10.16	92	1246085	49.679	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	684882	52.700	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	797413	51.202	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	463180	52.497	ug/l	100
56) Ethyl methacrylate	10.43	69	627151	51.125	ug/l	97
57) 1,3-Dichloropropane	10.71	76	790327	50.731	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1692460	264.357	ug/l	98
59) 2-Hexanone	10.75	43	1500752	272.404	ug/l	99
60) Dibromochloromethane	10.90	129	512650	53.498	ug/l	100
61) 1,2-Dibromoethane	11.01	107	456459	52.089	ug/l	100
64) Tetrachloroethene	10.63	164	587435	56.497	ug/l	98
65) Chlorobenzene	11.43	112	1396786	50.512	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	498632	51.860	ug/l	99
67) Ethyl Benzene	11.51	91	2428894	50.159	ug/l	100
68) m/p-Xylenes	11.62	106	1824743	101.222	ug/l	99
69) o-Xylene	11.95	106	894787	51.113	ug/l	100
70) Styrene	11.96	104	1496579	53.674	ug/l	99
71) Bromoform	12.13	173	356803	56.046	ug/l #	100
73) Isopropylbenzene	12.25	105	2408193	47.219	ug/l	99
74) N-amyl acetate	12.07	43	710521	55.144	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	546095	47.071	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	715675	71.395	ug/l #	100
77) Bromobenzene	12.53	156	610679	48.444	ug/l	98
78) n-propylbenzene	12.59	91	2778101	47.949	ug/l	99
79) 2-Chlorotoluene	12.68	91	1618538	46.910	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1963362	48.269	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	152852	50.922	ug/l	98
82) 4-Chlorotoluene	12.77	91	1670240	48.032	ug/l	99
83) tert-Butylbenzene	12.99	119	1732045	47.765	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2006334	49.219	ug/l	100
85) sec-Butylbenzene	13.17	105	2369413	47.974	ug/l	99
86) p-Isopropyltoluene	13.29	119	2050714	48.749	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1098608	49.822	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1079753	49.713	ug/l	99
89) n-Butylbenzene	13.62	91	1746347	49.917	ug/l	99
90) Hexachloroethane	13.88	117	341068	47.884	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	1060967	50.361	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	89476	53.925	ug/l	96

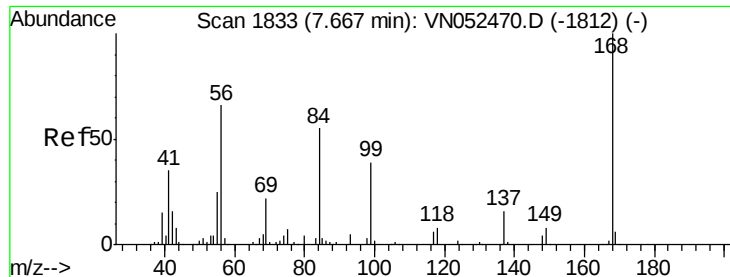
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	604615	52.255	ug/l	100
94) Hexachlorobutadiene	15.01	225	322073	47.522	ug/l	99
95) Naphthalene	15.13	128	1307875	53.203	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	551044	51.827	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

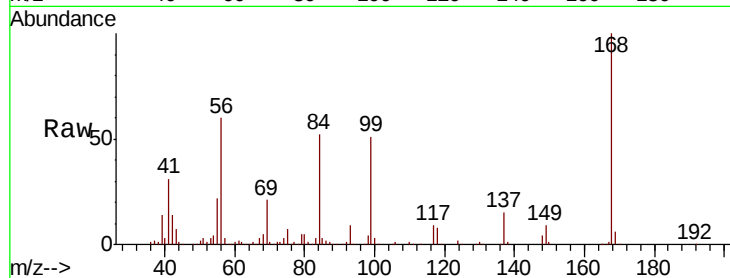
VSTDCCC050EC

Tot Ion:168 Resp: 969029

Ion Ratio Lower Upper

168 100

99 51.4 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

200000

100000

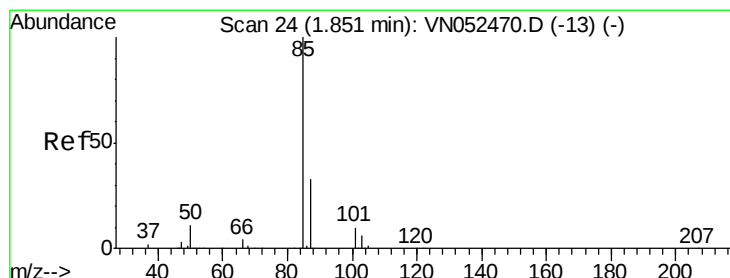
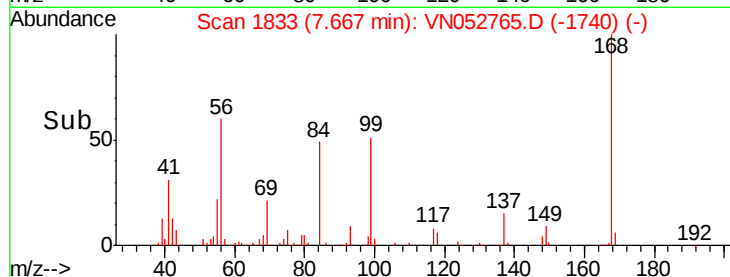
0

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 41.040 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052765.D

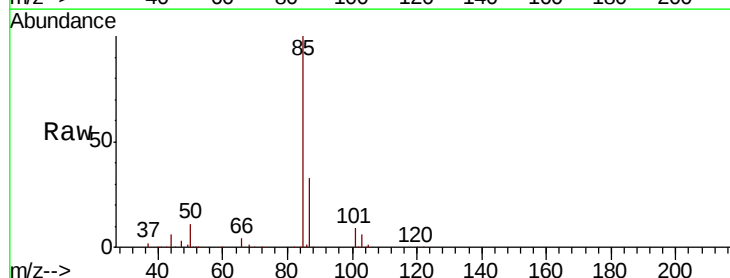
Acq: 10 Dec 2018 20:30

Tgt Ion: 85 Resp: 372369

Ion Ratio Lower Upper

85 100

87 32.5 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

150000

100000

50000

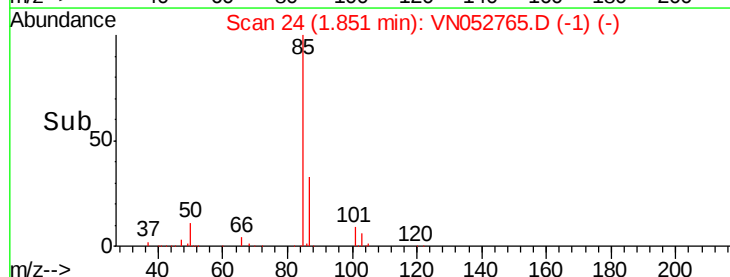
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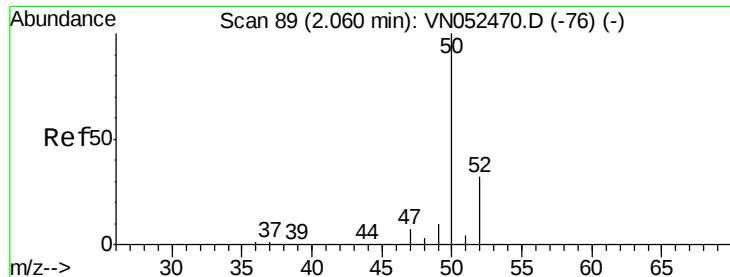
1.80

1.90

2.00

Time-->





#3

Chloromethane

Concen: 40.239 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

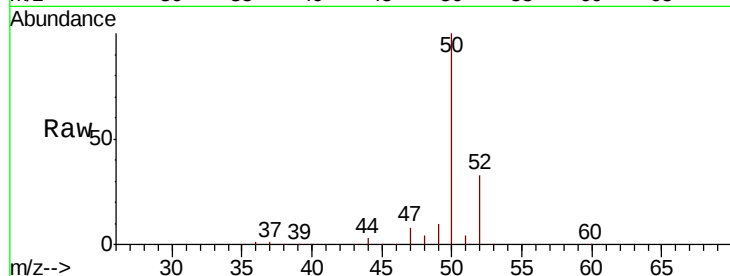
VSTDCCC050EC

Tot Ion: 50 Resp: 481939

Ion Ratio Lower Upper

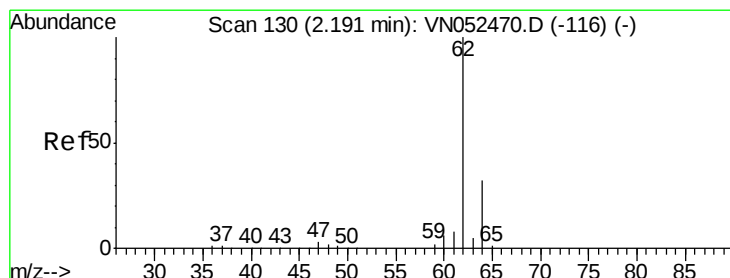
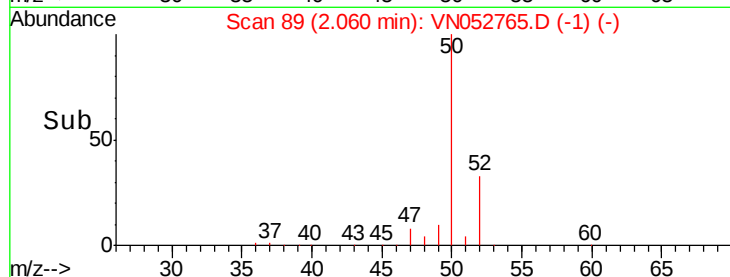
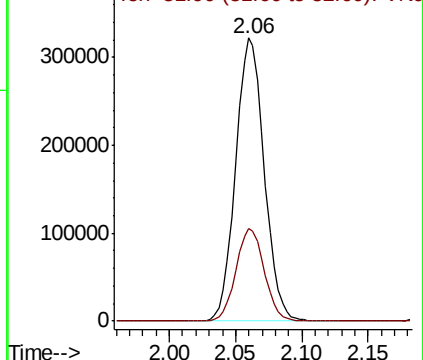
50 100

52 32.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 41.823 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052765.D

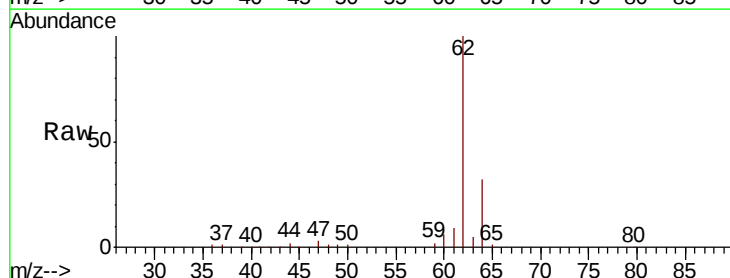
Acq: 10 Dec 2018 20:30

Tgt Ion: 62 Resp: 514562

Ion Ratio Lower Upper

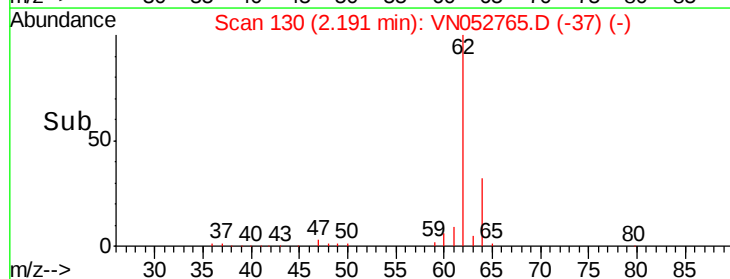
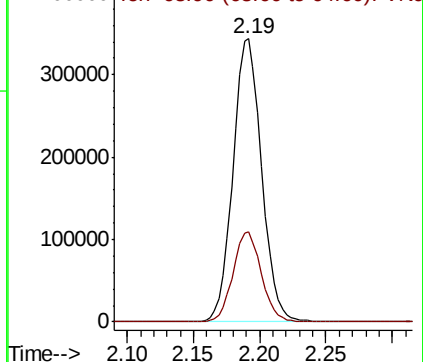
62 100

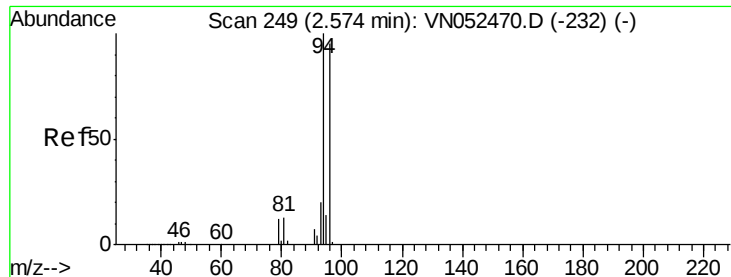
64 31.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 36.547 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

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ClientSampleId :

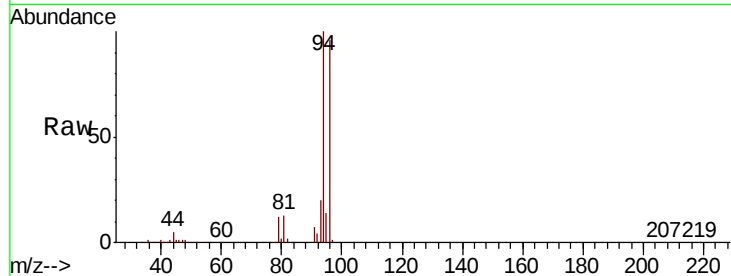
VSTDCCC050EC

Tot Ion: 94 Resp: 280552

Ion Ratio Lower Upper

94 100

96 95.5 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

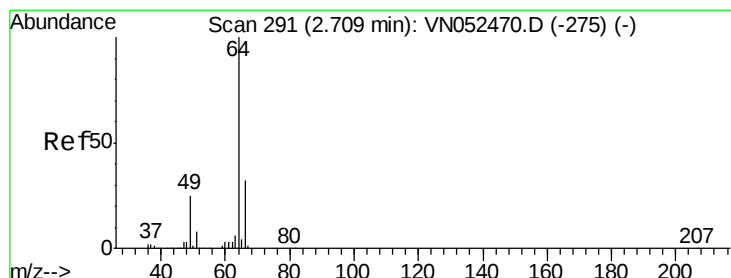
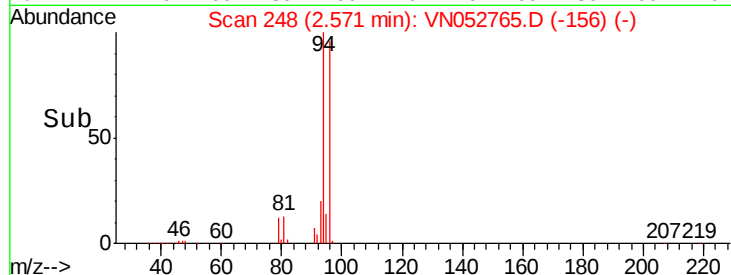
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 43.155 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052765.D

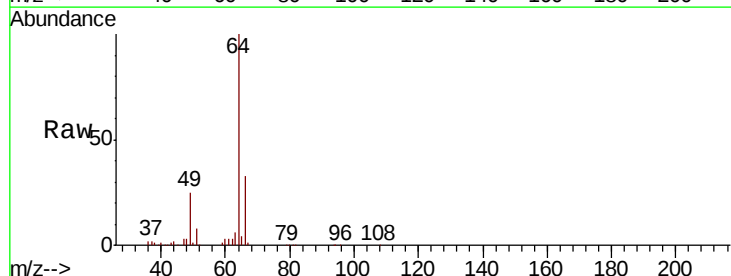
Acq: 10 Dec 2018 20:30

Tgt Ion: 64 Resp: 321608

Ion Ratio Lower Upper

64 100

66 32.5 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

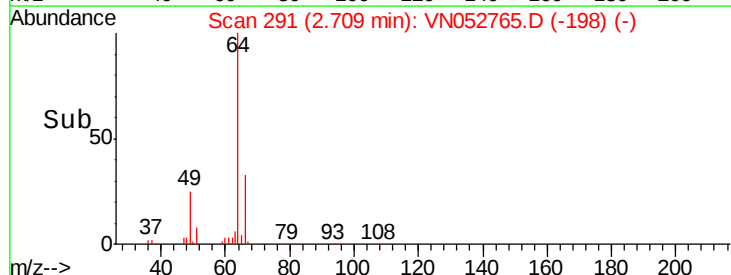
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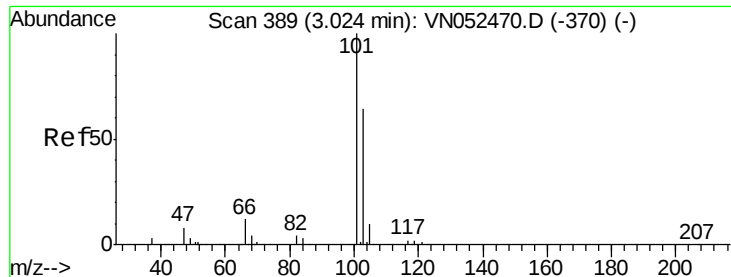
100000

50000

0

Time-->



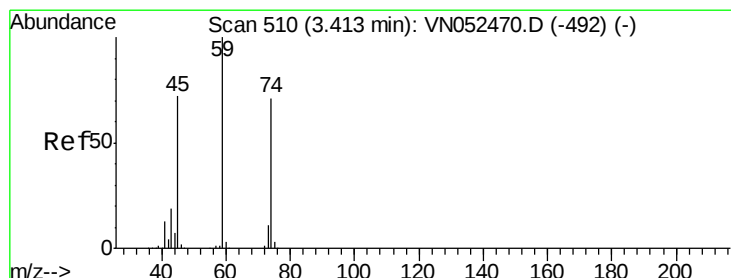
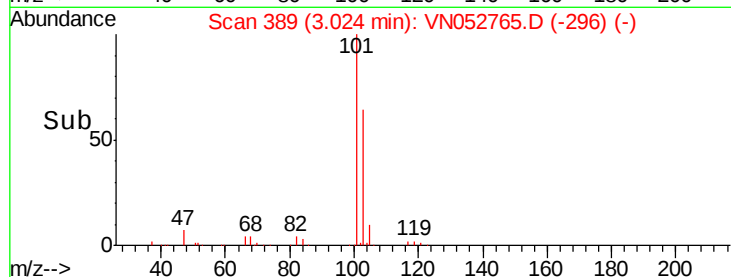
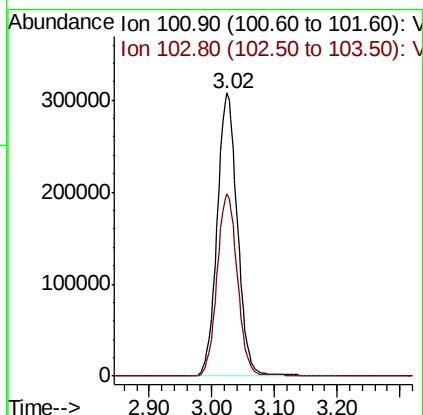
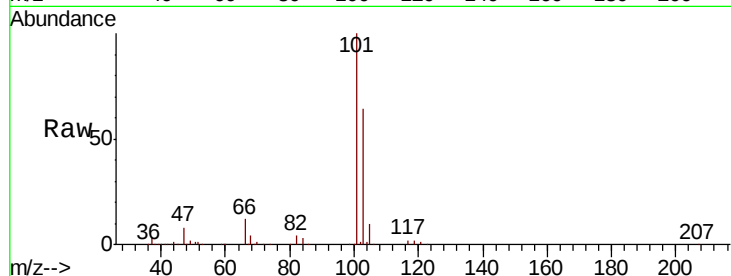


#7

Trichlorofluoromethane
 Concen: 45.643 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052765.D
 Acq: 10 Dec 2018 20:30

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 VSTDCCC050EC

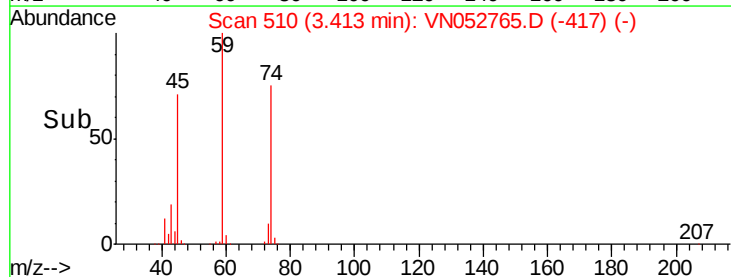
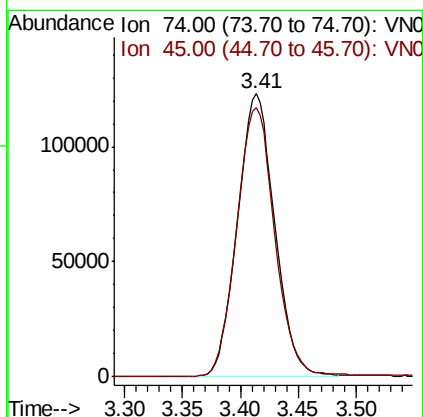
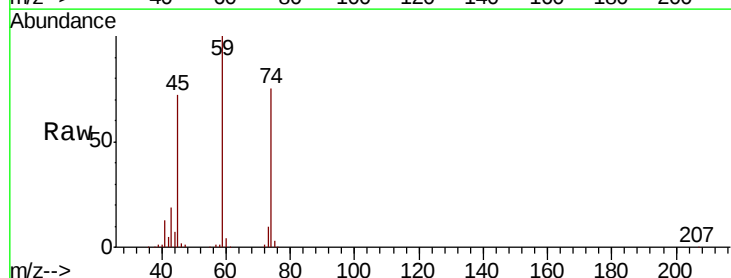
Tot Ion:101 Resp: 689786
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.4 77.2

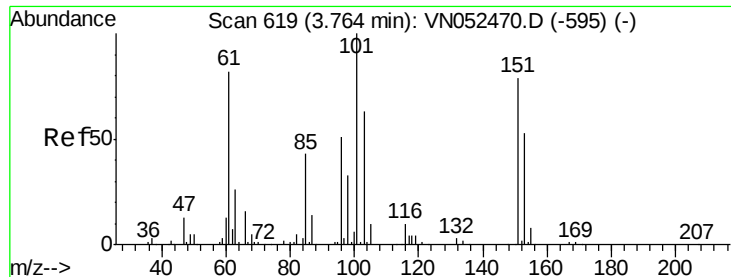


#8

Diethyl Ether
 Concen: 49.282 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052765.D
 Acq: 10 Dec 2018 20:30

Tgt Ion: 74 Resp: 275039
 Ion Ratio Lower Upper
 74 100
 45 96.9 50.4 151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.276 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

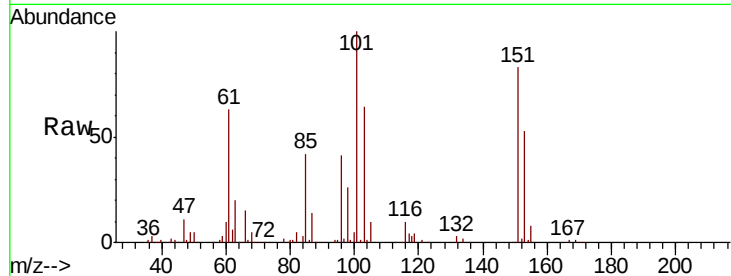
Tot Ion:101 Resp: 445820

Ion Ratio Lower Upper

101 100

85 41.7 34.2 51.4

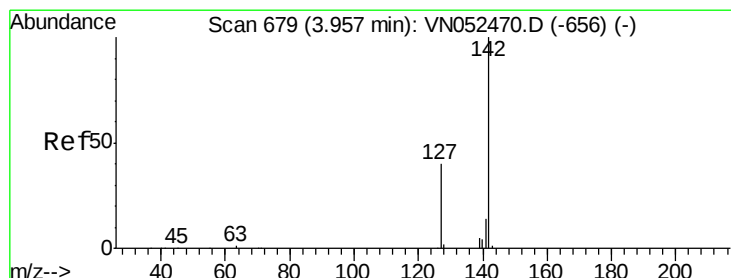
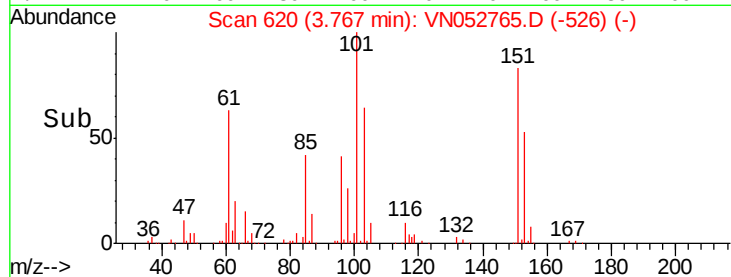
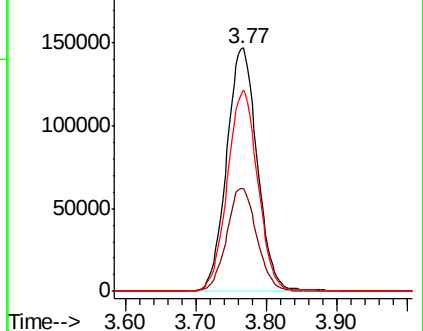
151 82.0 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.936 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

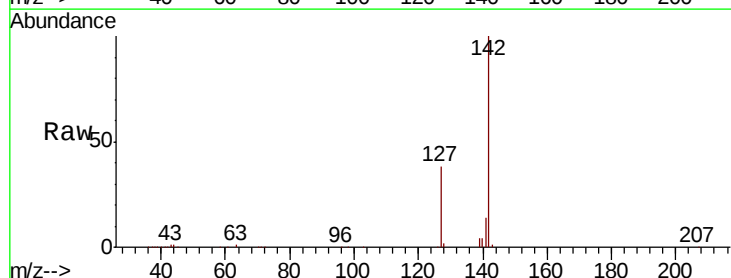
Tgt Ion:142 Resp: 564395

Ion Ratio Lower Upper

142 100

127 38.7 31.8 47.6

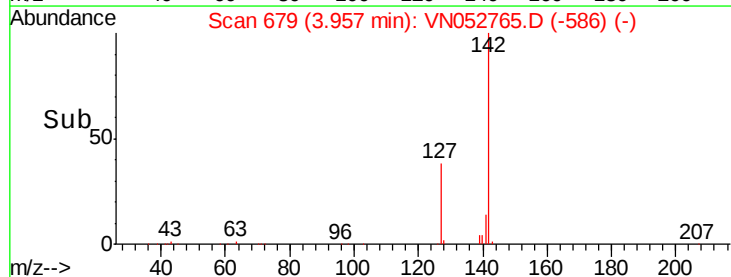
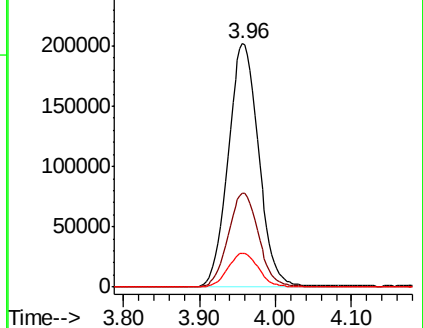
141 14.0 11.4 17.0

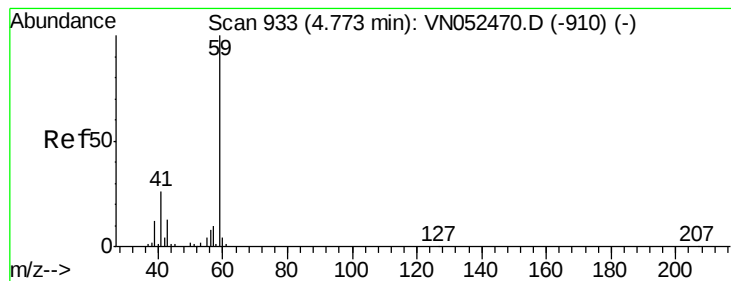


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 301.293 ug/l

RT: 4.77 min Scan# 933

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

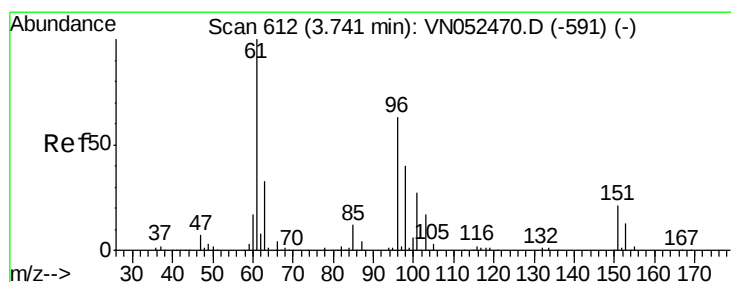
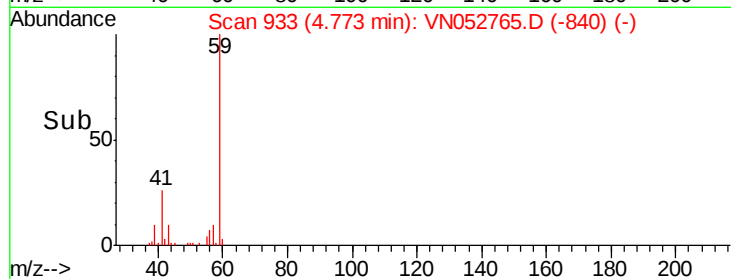
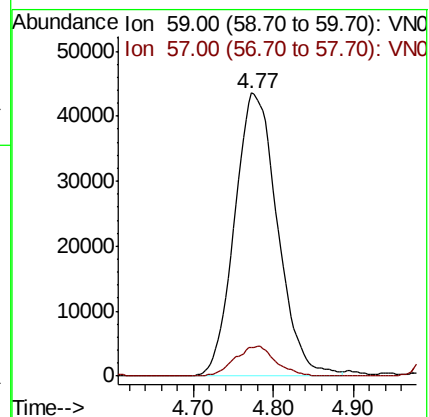
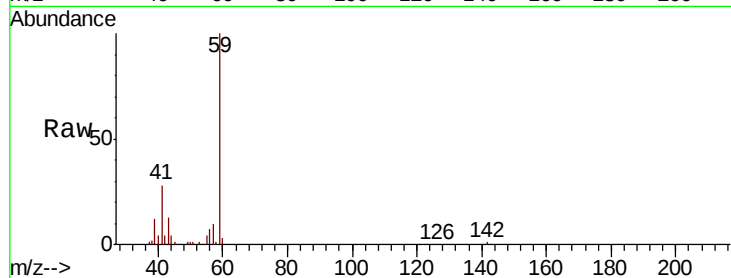
VSTDCCC050EC

Tot Ion: 59 Resp: 159146

Ion Ratio Lower Upper

59 100

57 10.0 7.9 11.9



#12

1,1-Dichloroethene

Concen: 46.140 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

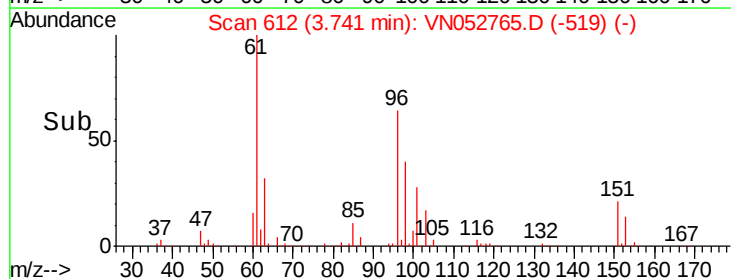
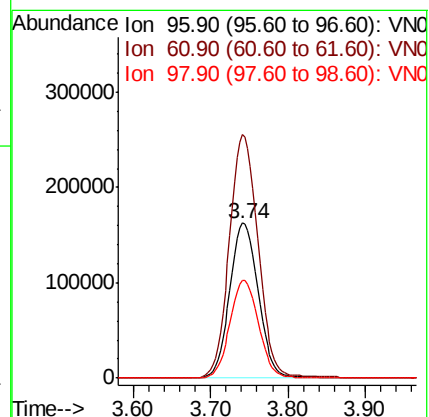
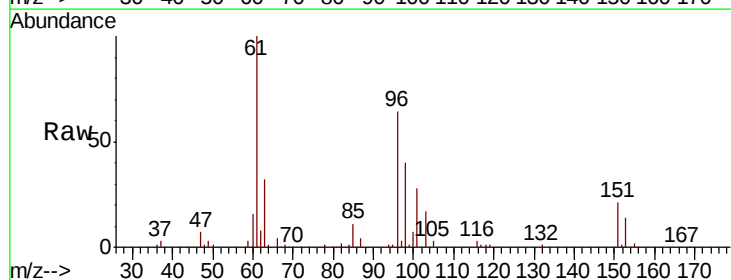
Tgt Ion: 96 Resp: 418825

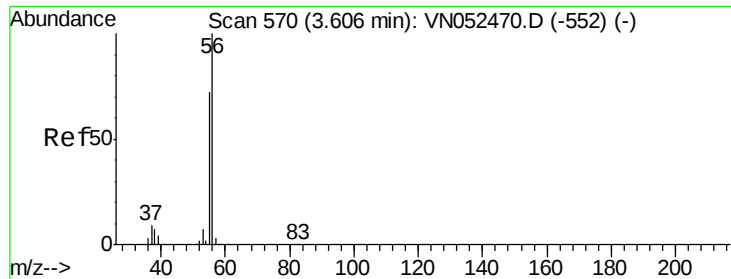
Ion Ratio Lower Upper

96 100

61 157.0 127.0 190.6

98 63.2 50.3 75.5





#13

Acrolein

Concen: 106.810 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

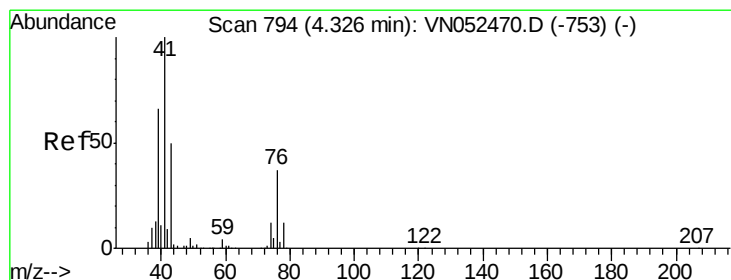
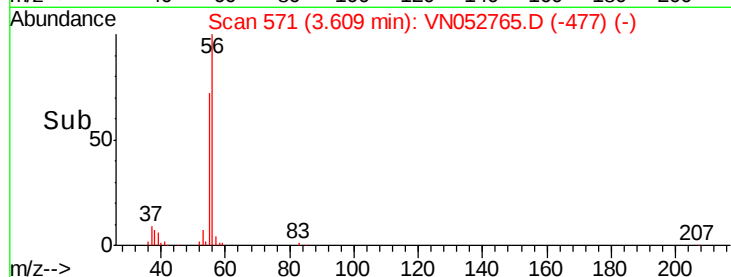
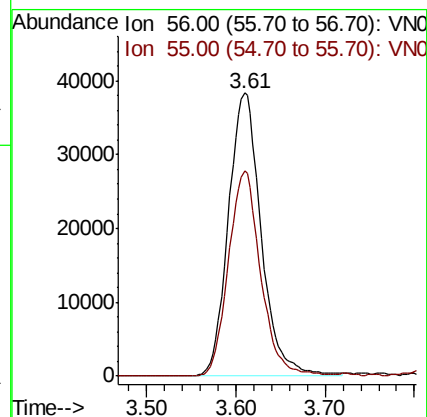
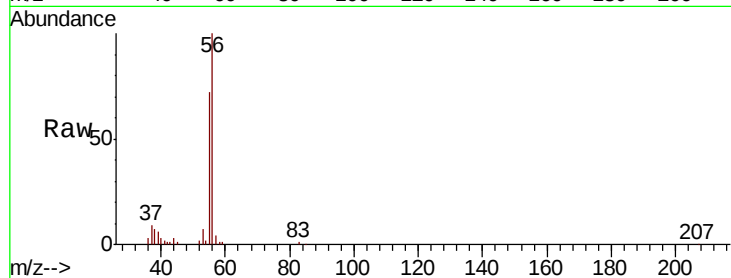
VSTDCCC050EC

Tot Ion: 56 Resp: 98055

Ion Ratio Lower Upper

56 100

55 71.0 56.8 85.2



#14

Allyl chloride

Concen: 46.047 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

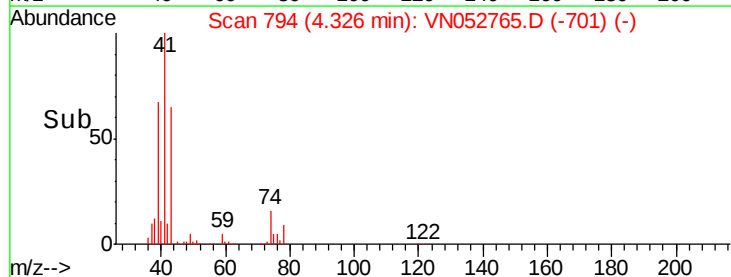
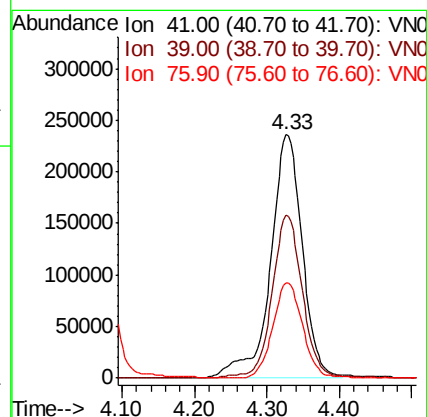
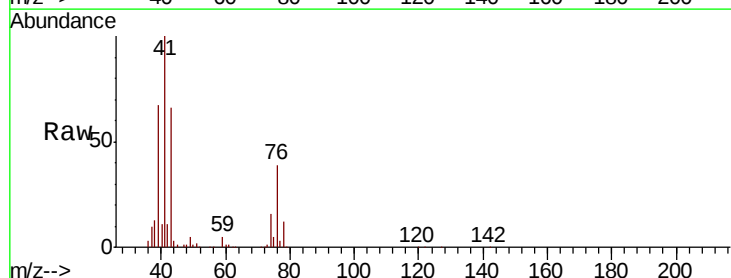
Tgt Ion: 41 Resp: 720392

Ion Ratio Lower Upper

41 100

39 63.6 50.6 76.0

76 36.2 27.4 41.2





#15

Acrylonitrile

Concen: 259.346 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

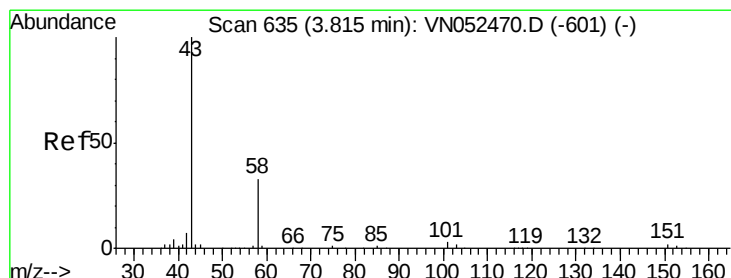
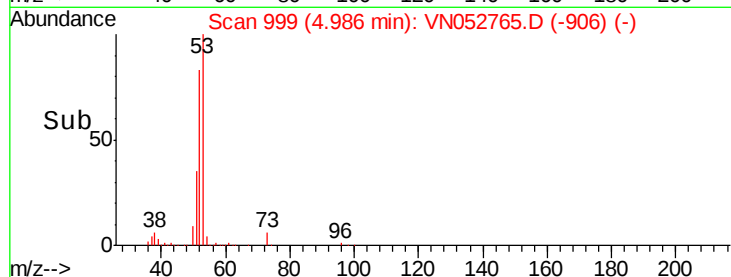
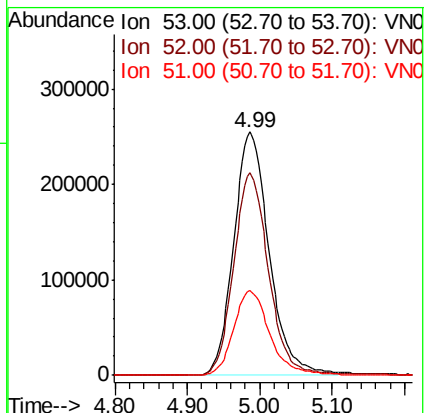
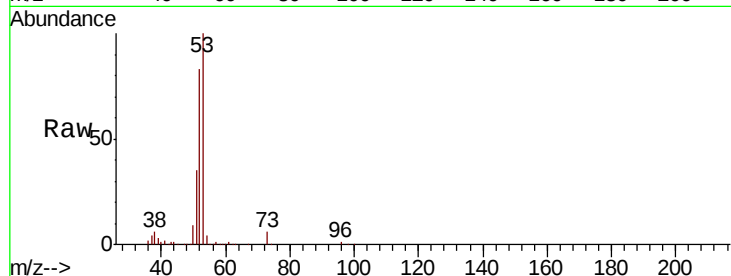
Tot Ion: 53 Resp: 867159

Ion Ratio Lower Upper

53 100

52 81.4 66.2 99.2

51 35.6 28.1 42.1



#16

Acetone

Concen: 212.759 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052765.D

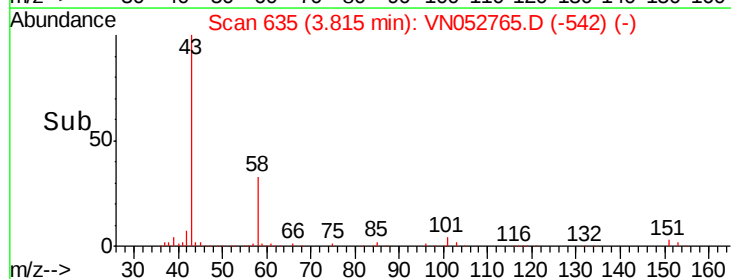
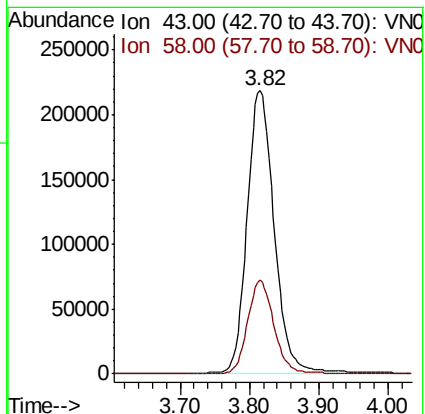
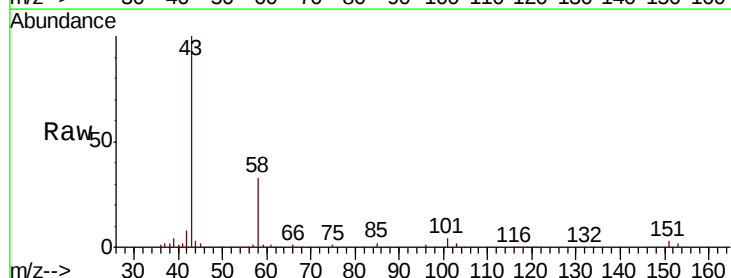
Acq: 10 Dec 2018 20:30

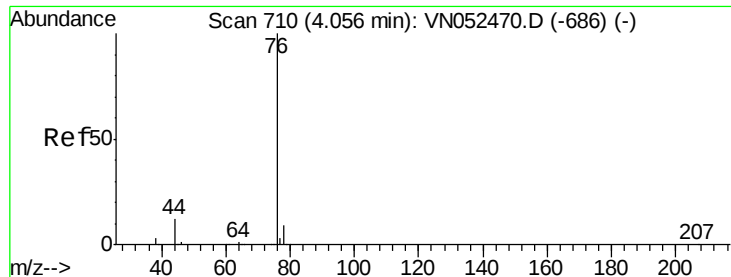
Tgt Ion: 43 Resp: 592091

Ion Ratio Lower Upper

43 100

58 33.0 26.0 39.0





#17

Carbon Disulfide

Concen: 37.570 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

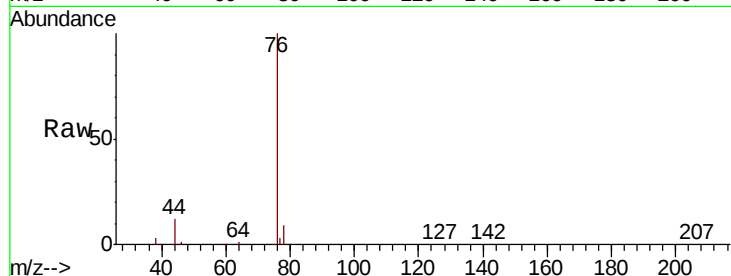
VSTDCCC050EC

Tot Ion: 76 Resp: 1073221

Ion Ratio Lower Upper

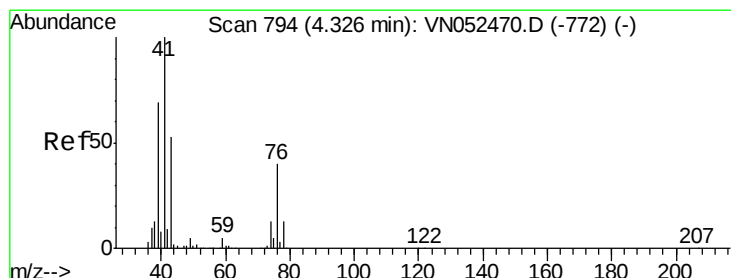
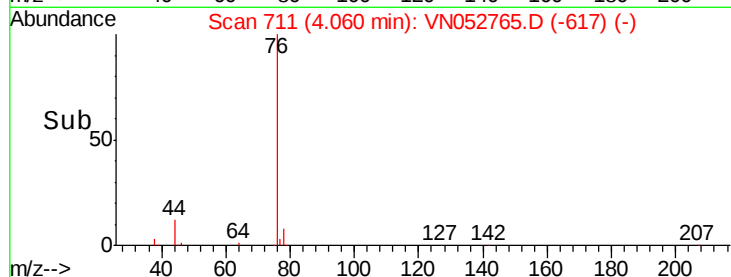
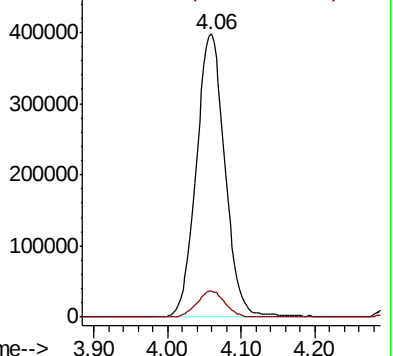
76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 55.770 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052765.D

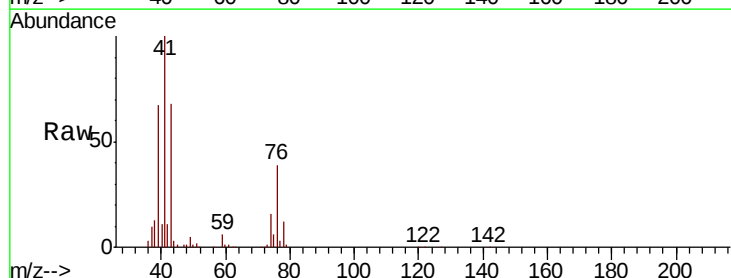
Acq: 10 Dec 2018 20:30

Tgt Ion: 43 Resp: 445195

Ion Ratio Lower Upper

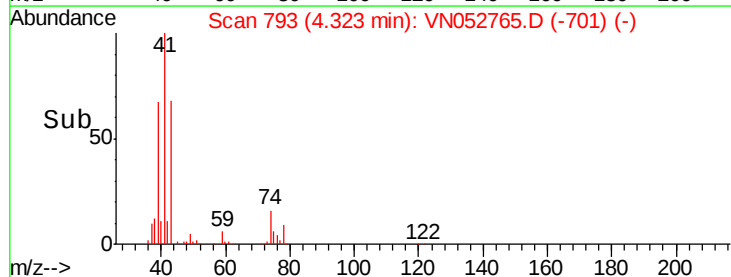
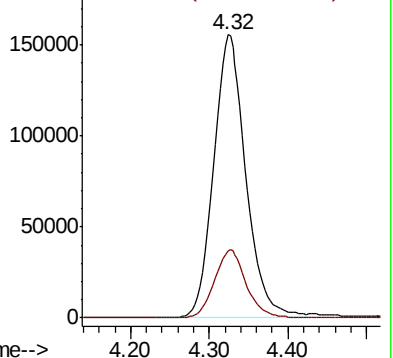
43 100

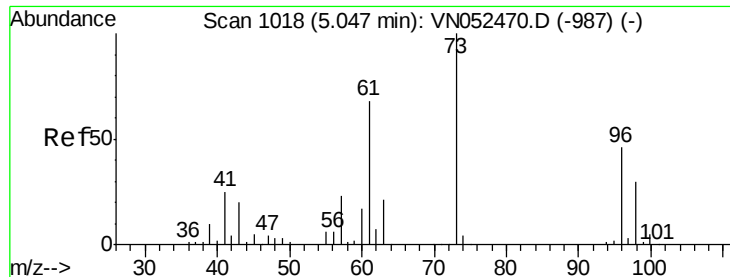
74 24.0 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

Methyl tert-butyl Ether

Concen: 52.610 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

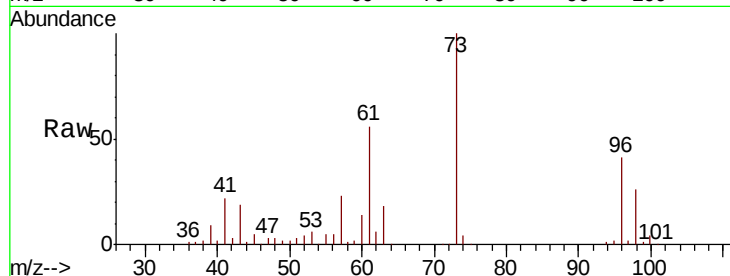
VSTDCCC050EC

Tot Ion: 73 Resp: 1270608

Ion Ratio Lower Upper

73 100

57 23.0 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VN052470.D (-987) (-)

Ion 57.00 (56.70 to 57.70): VN052470.D (-987) (-)

5.05

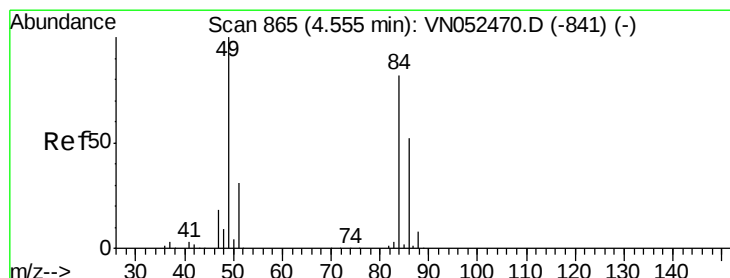
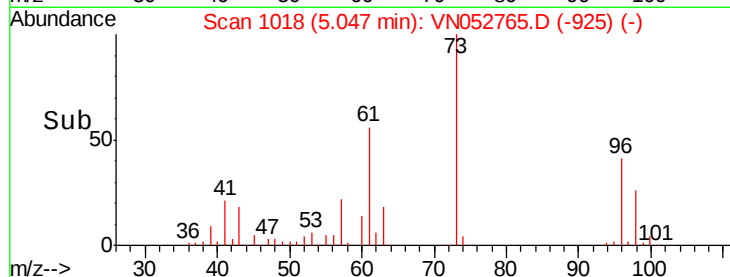
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 45.604 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Tgt Ion: 84 Resp: 496640

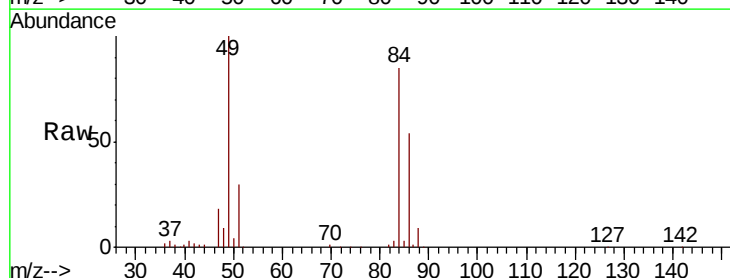
Ion Ratio Lower Upper

84 100

49 118.1 98.0 147.0

51 35.5 30.1 45.1

86 63.8 50.7 76.1



Abundance Ion 83.90 (83.60 to 84.60): VN052470.D (-841) (-)

Ion 48.90 (48.60 to 49.60): VN052470.D (-841) (-)

Ion 50.90 (50.60 to 51.60): VN052470.D (-841) (-)

Ion 85.90 (85.60 to 86.60): VN052470.D (-841) (-)

4.55

200000

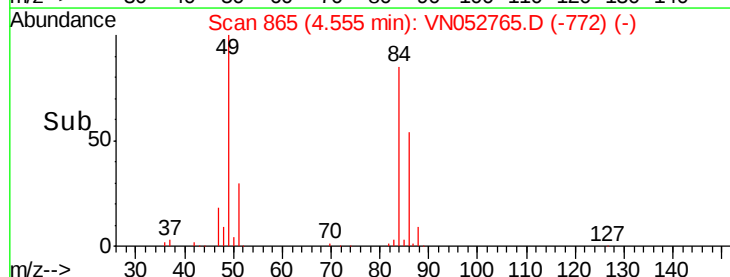
150000

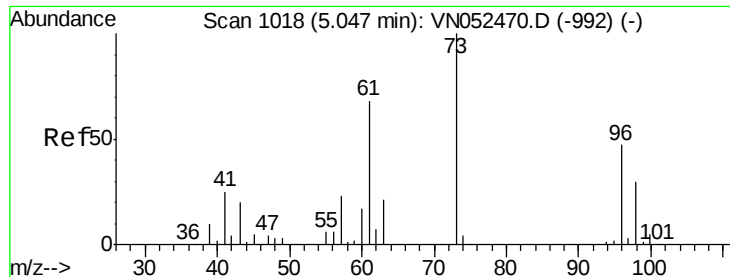
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 45.868 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

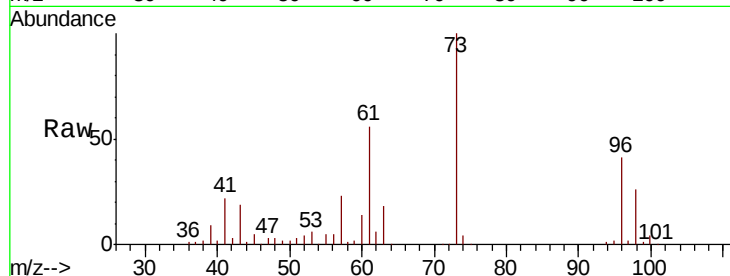
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 444679

Ion	Ratio	Lower	Upper
96	100		
61	137.6	117.0	175.4
98	62.7	51.8	77.6

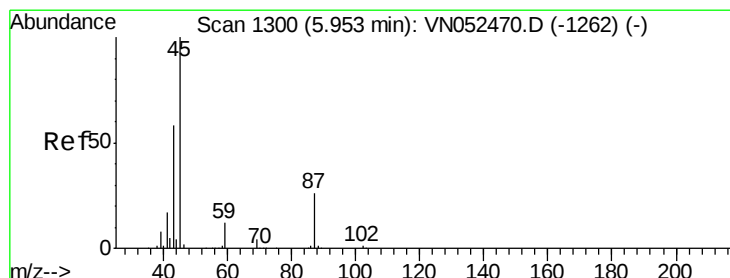
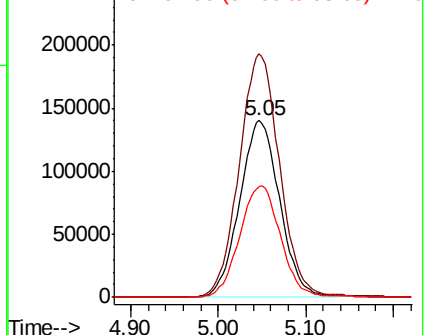
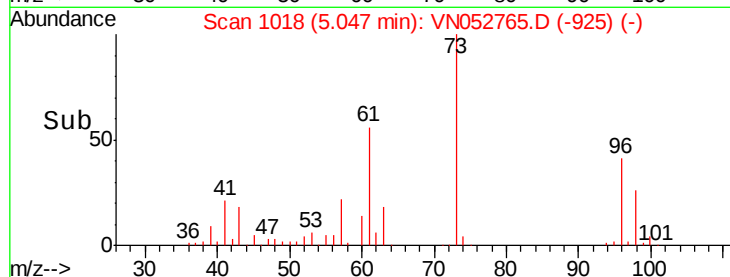


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 48.306 ug/l

RT: 5.95 min Scan# 1300

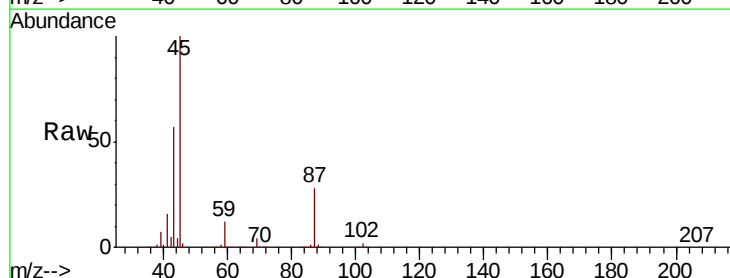
Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Tgt Ion: 45 Resp: 1587430

Ion	Ratio	Lower	Upper
45	100		
43	56.1	46.1	69.1
87	27.6	21.3	31.9
59	11.8	9.5	14.3



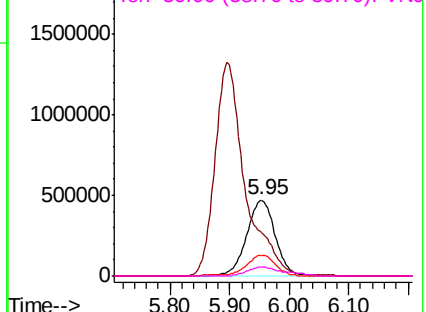
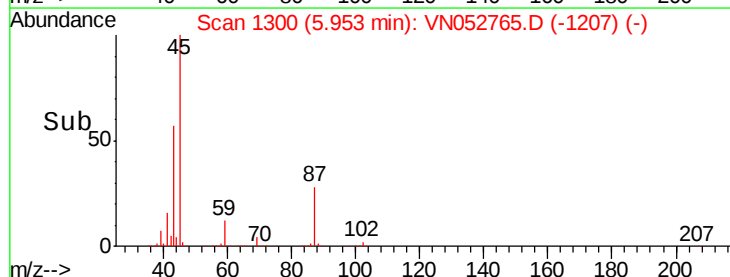
Abundance

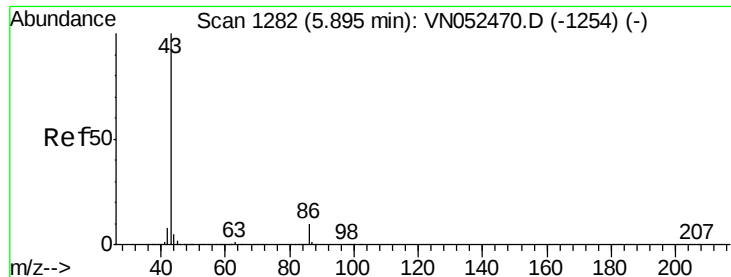
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 227.554 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

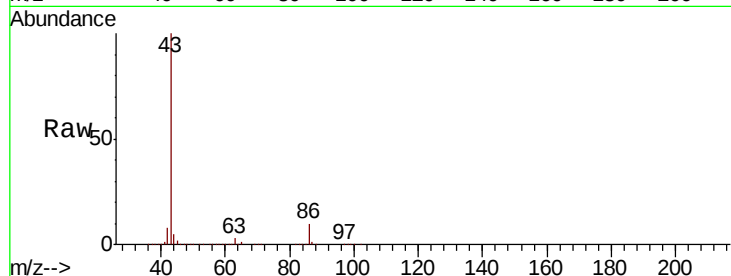
VSTDCCC050EC

Tot Ion: 43 Resp: 4657640

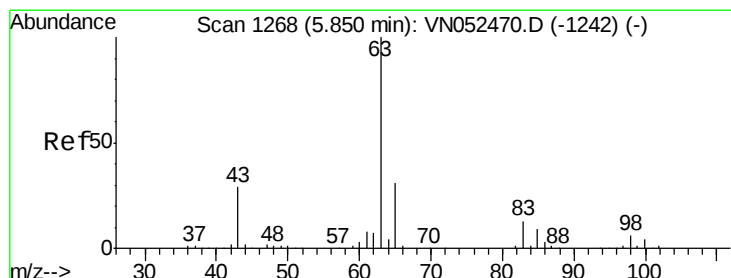
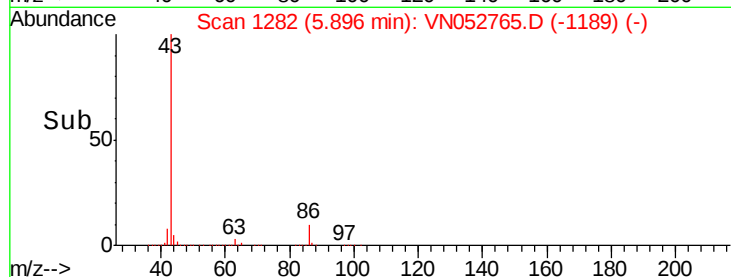
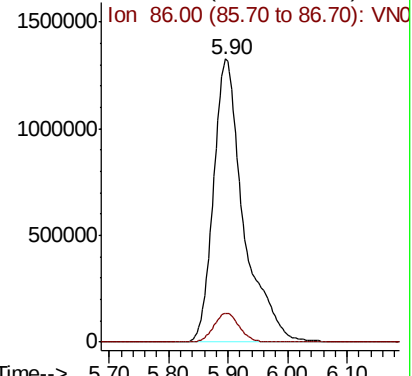
Ion Ratio Lower Upper

43 100

86 10.3 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN052765.D (-1189) (-)



#24

1,1-Dichloroethane

Concen: 47.685 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

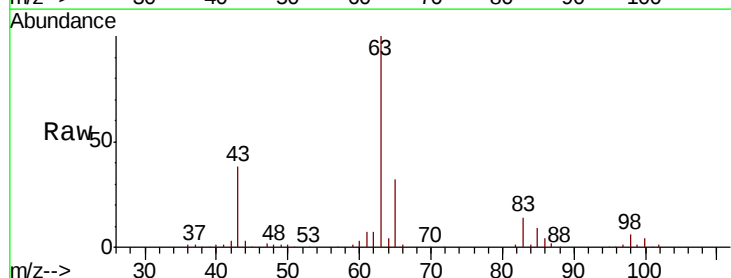
Tgt Ion: 63 Resp: 894728

Ion Ratio Lower Upper

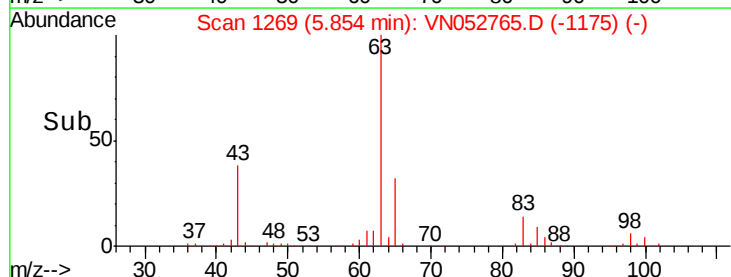
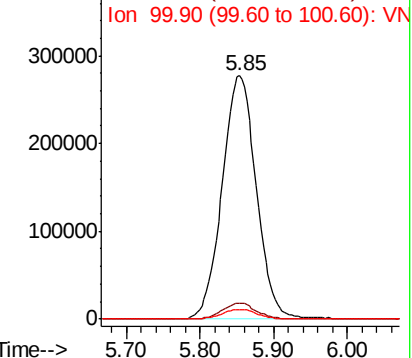
63 100

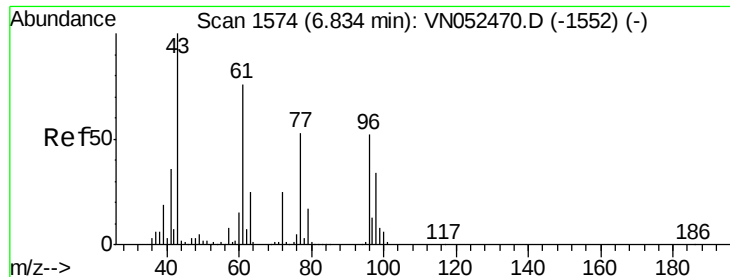
98 6.5 3.0 9.2

100 4.0 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN052765.D (-1175) (-)





#25

2-Butanone

Concen: 245.288 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

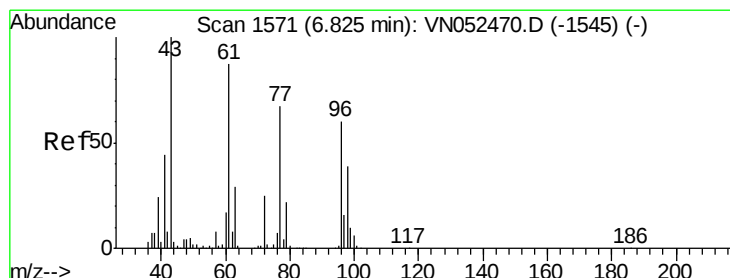
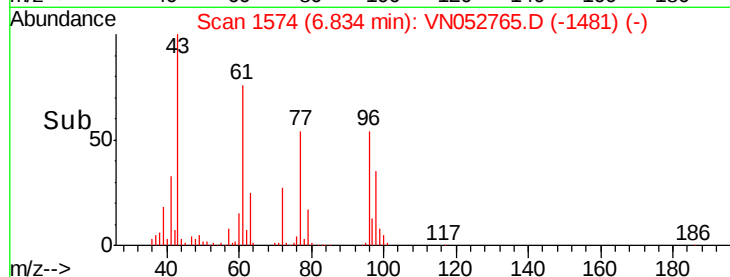
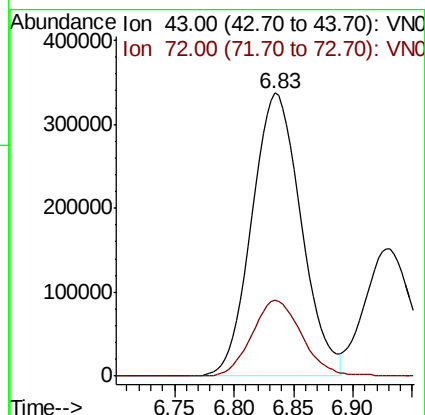
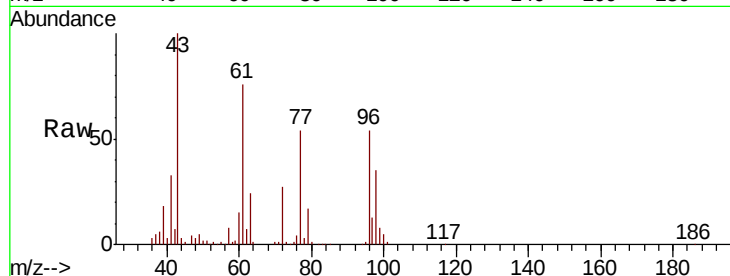
VSTDCCC050EC

Tot Ion: 43 Resp: 967538

Ion Ratio Lower Upper

43 100

72 26.8 20.1 30.1



#26

2,2-Dichloropropane

Concen: 47.423 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052765.D

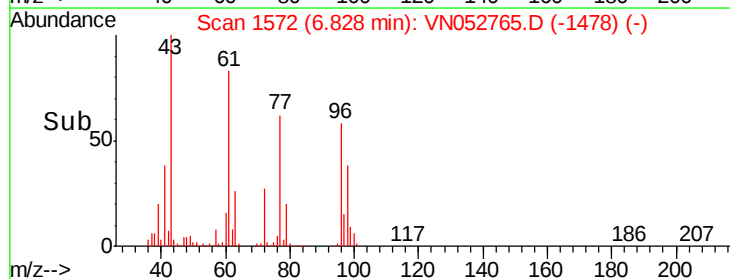
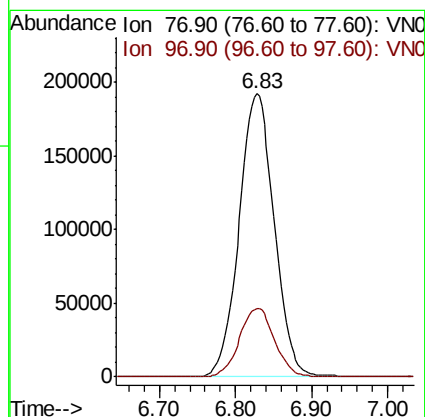
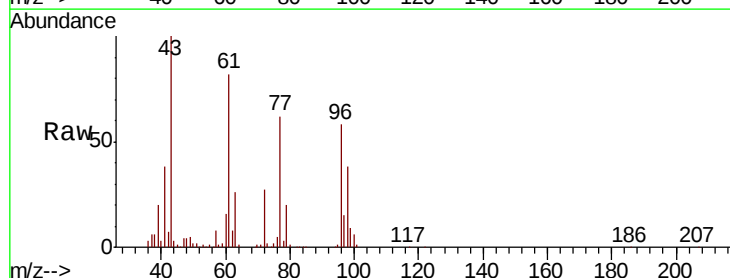
Acq: 10 Dec 2018 20:30

Tgt Ion: 77 Resp: 615892

Ion Ratio Lower Upper

77 100

97 24.3 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 48.197 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

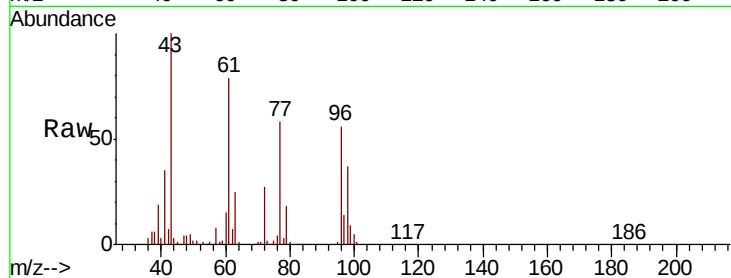
Tot Ion: 96 Resp: 544297

Ion Ratio Lower Upper

96 100

61 141.4 0.0 291.0

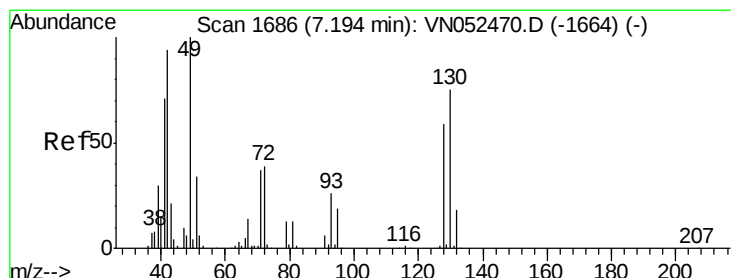
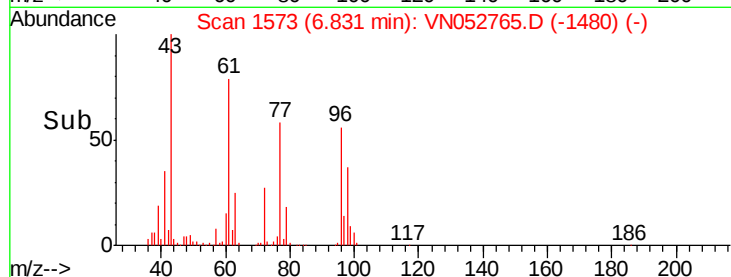
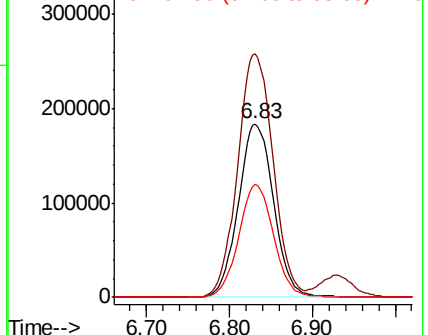
98 64.8 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 47.920 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

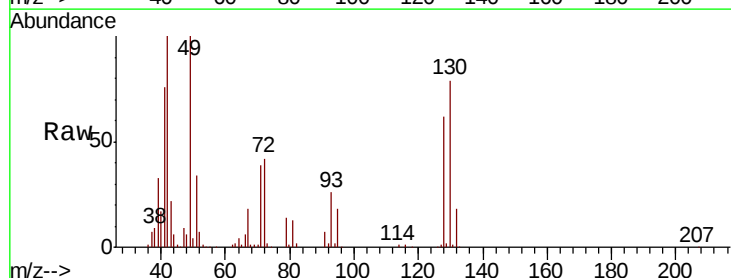
Tgt Ion: 49 Resp: 410679

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

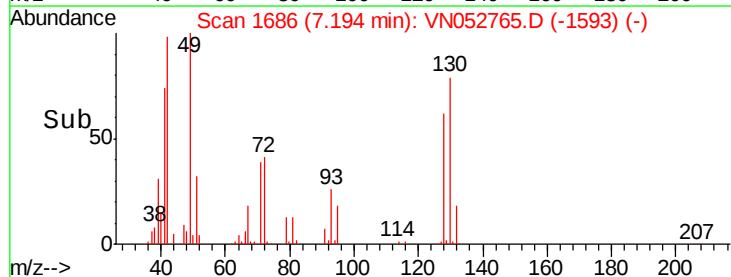
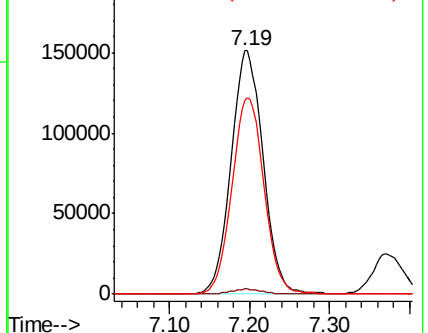
130 80.6 60.2 90.2

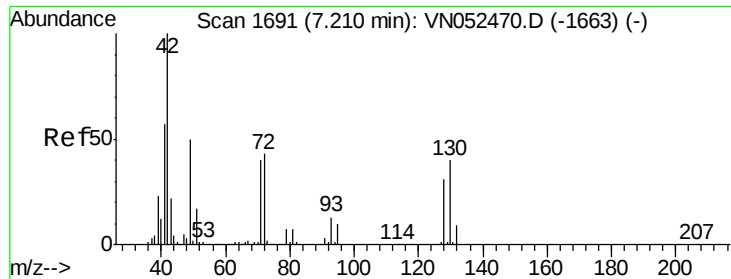


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

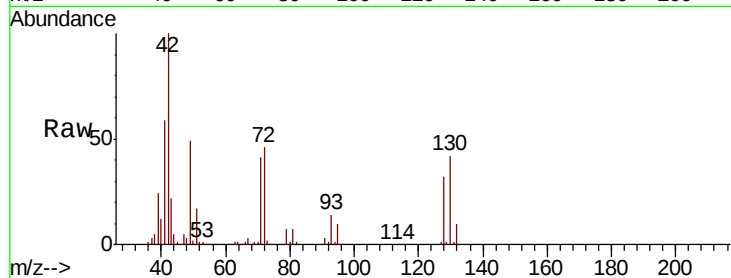




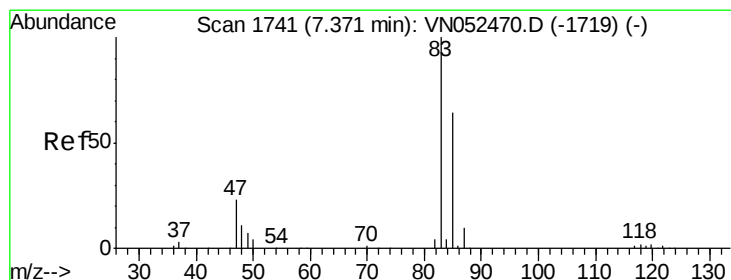
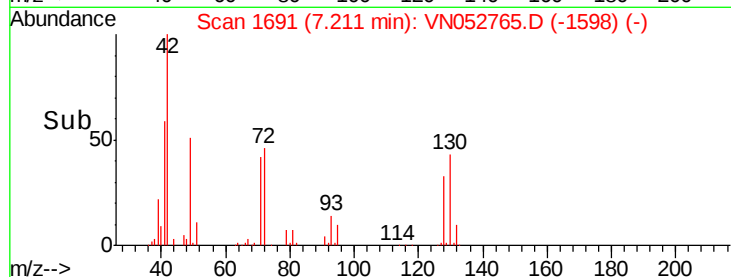
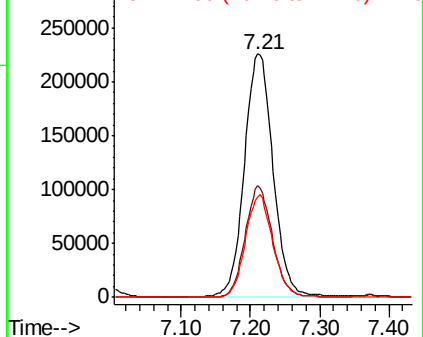
#29
Tetrahydrofuran
Concen: 254.929 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 648586
Ion Ratio Lower Upper
42 100
72 43.9 33.3 49.9
71 40.3 32.0 48.0

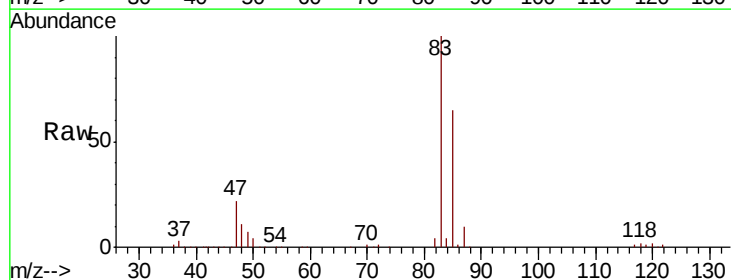


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

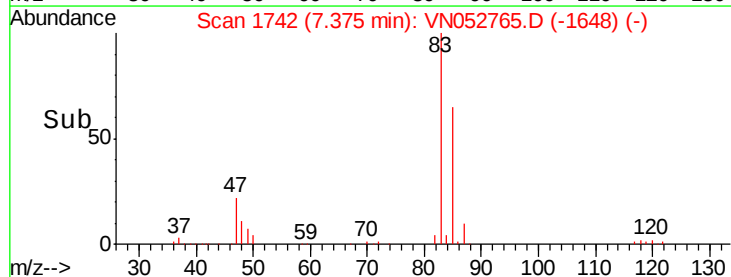
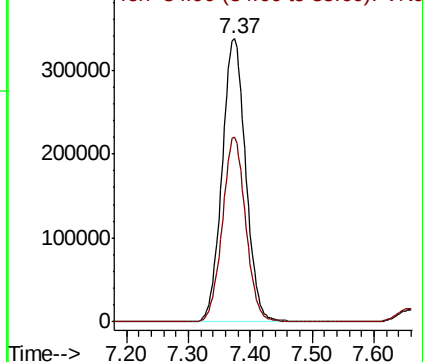


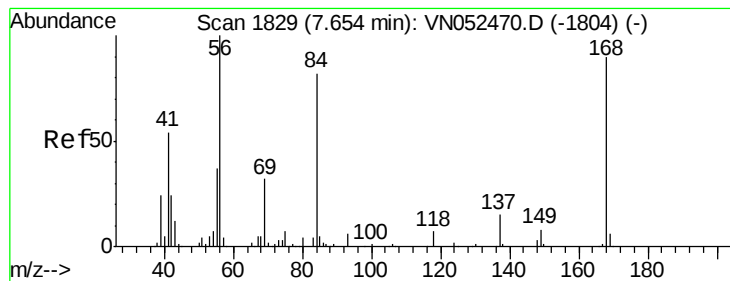
#30
Chloroform
Concen: 47.802 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion: 83 Resp: 894856
Ion Ratio Lower Upper
83 100
85 65.2 51.0 76.4



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





#31

Cyclohexane

Concen: 42.904 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

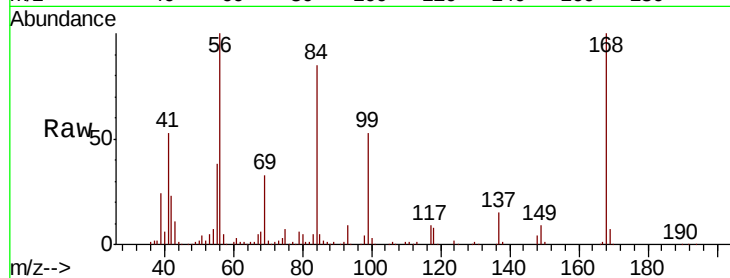
Tot Ion: 56 Resp: 780105

Ion Ratio Lower Upper

56 100

69 32.9 25.8 38.6

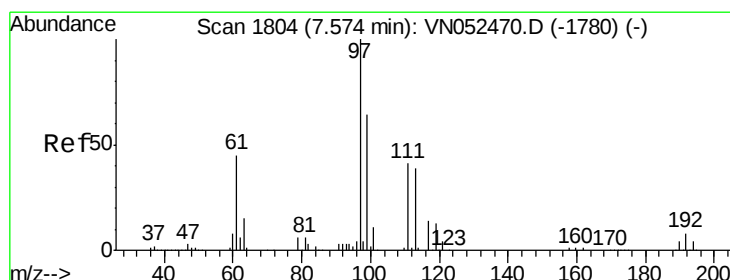
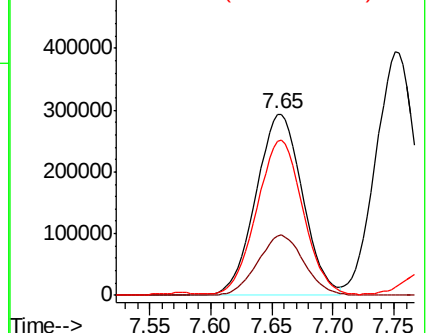
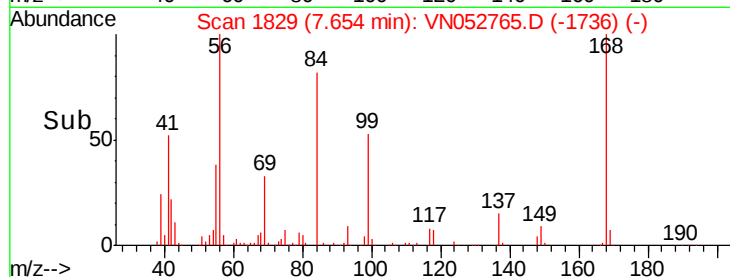
84 83.8 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VN052765.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN052765.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN052765.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 49.616 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

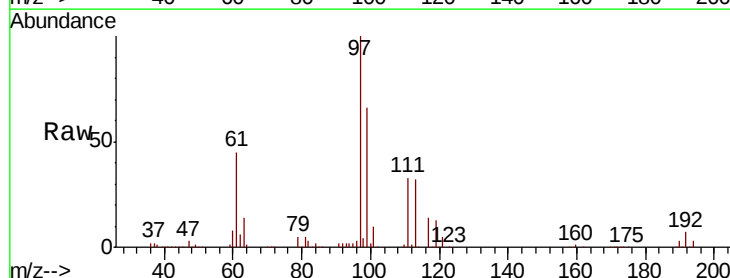
Tgt Ion: 97 Resp: 735904

Ion Ratio Lower Upper

97 100

99 64.7 51.7 77.5

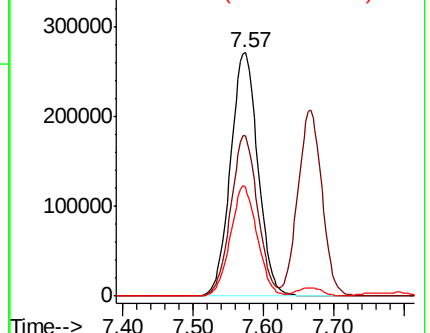
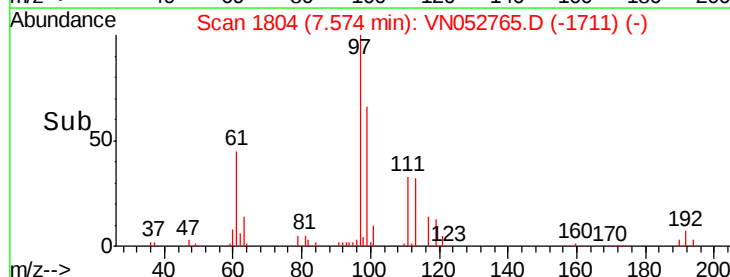
61 44.2 36.8 55.2



Abundance Ion 96.90 (96.60 to 97.60): VN052765.D (-1711) (-)

Ion 98.90 (98.60 to 99.60): VN052765.D (-1711) (-)

Ion 60.90 (60.60 to 61.60): VN052765.D (-1711) (-)

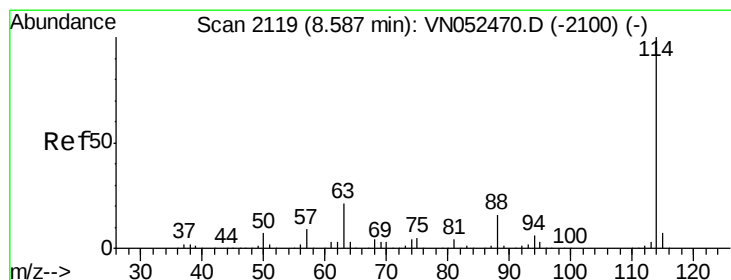
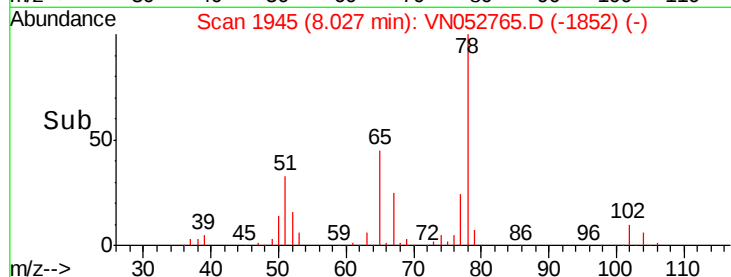
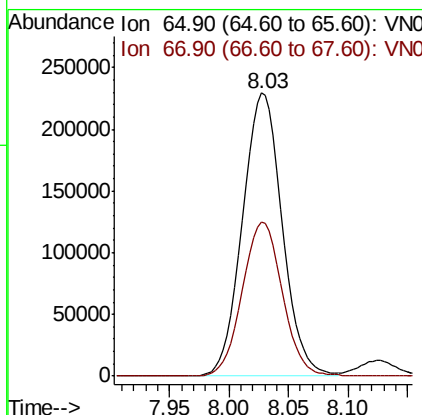
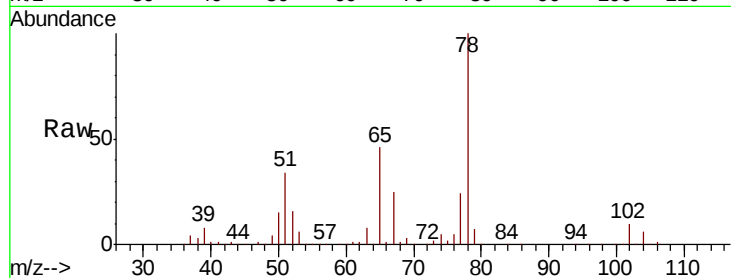




#33
 1,2-Dichloroethane-d4
 Concen: 49.616 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052765.D
 Acq: 10 Dec 2018 20:30

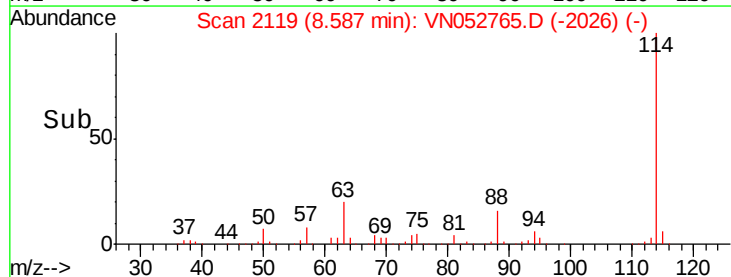
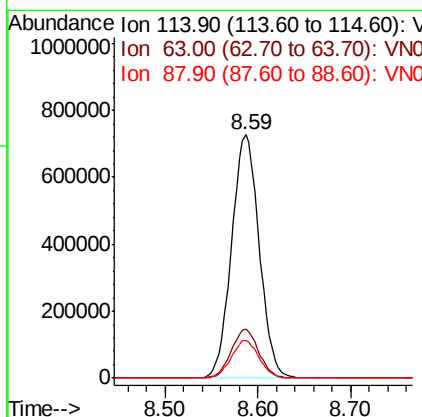
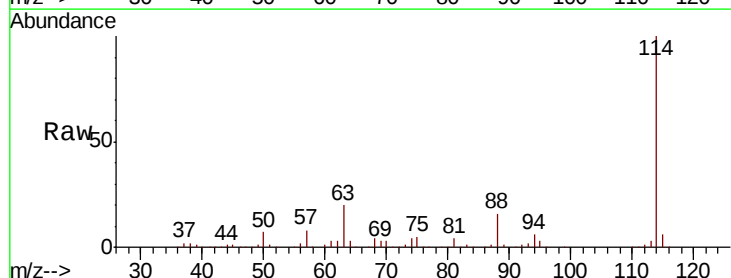
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

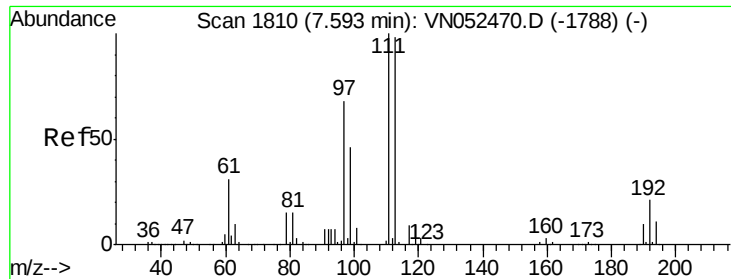
Tot Ion: 65 Resp: 530890
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052765.D
 Acq: 10 Dec 2018 20:30

Tgt Ion: 114 Resp: 1500094
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.8
 88 15.6 0.0 31.6

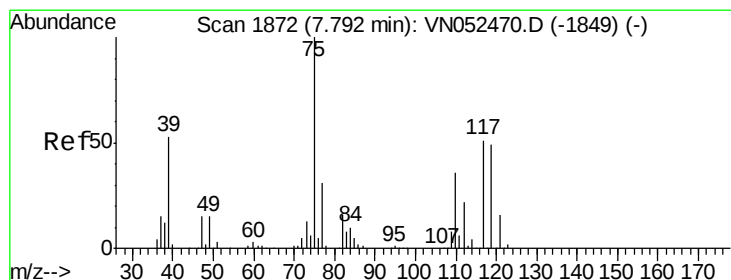
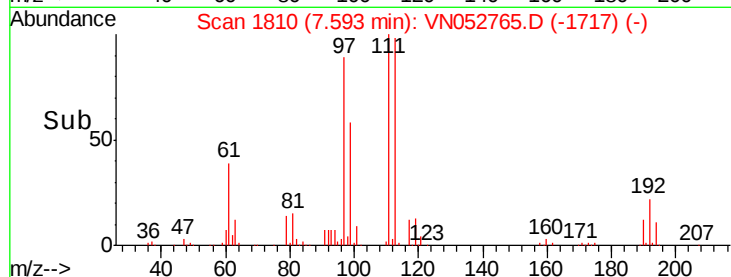
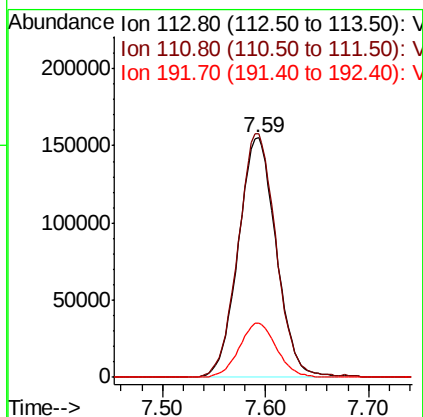
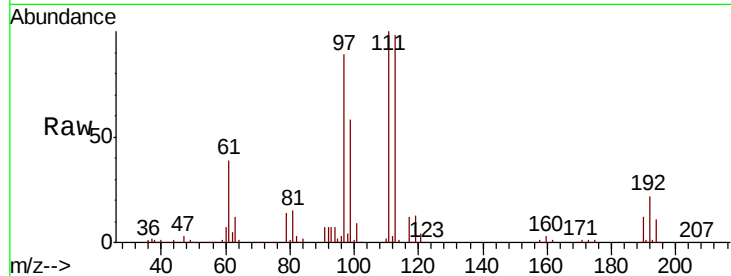




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

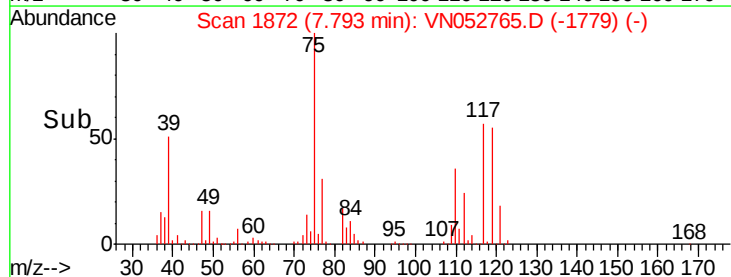
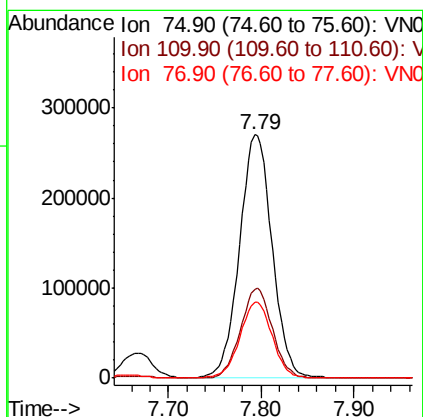
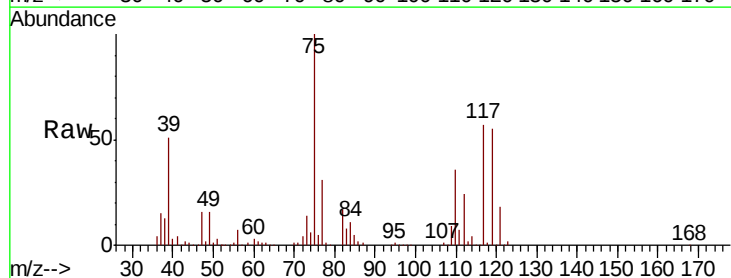
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

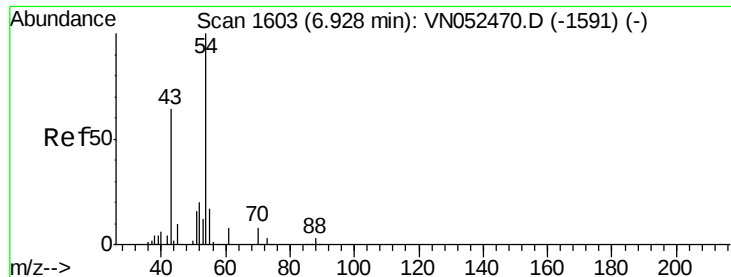
Tot Ion:113 Resp: 395433
Ion Ratio Lower Upper
113 100
111 101.9 82.0 123.0
192 22.3 17.0 25.6



#36
1,1-Dichloropropene
Concen: 46.276 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion: 75 Resp: 655539
Ion Ratio Lower Upper
75 100
110 36.2 17.5 52.6
77 31.3 24.5 36.7

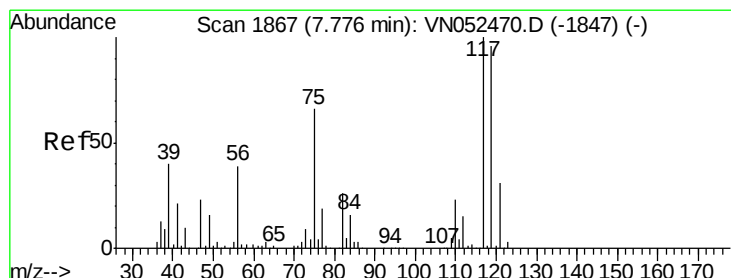
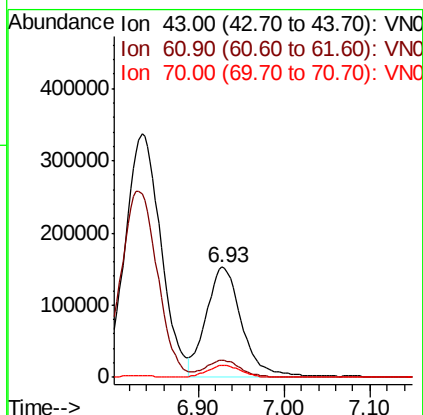
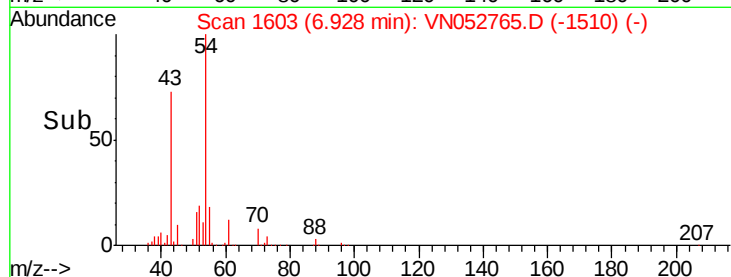
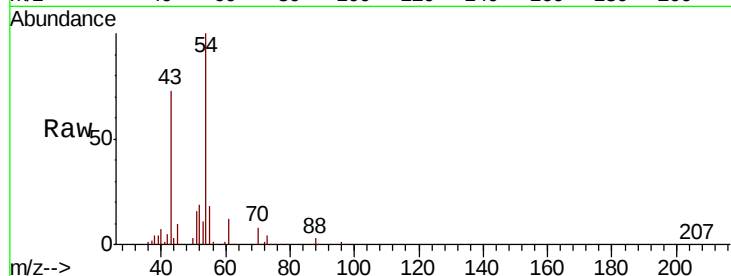




#37
Ethyl Acetate
Concen: 50.317 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

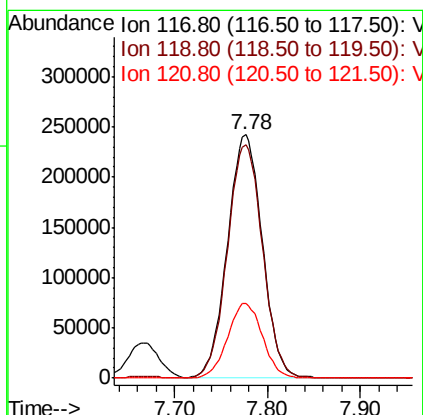
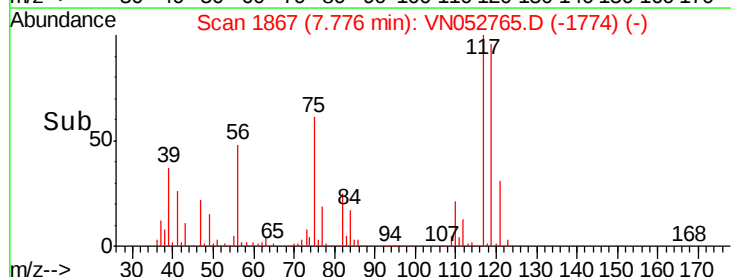
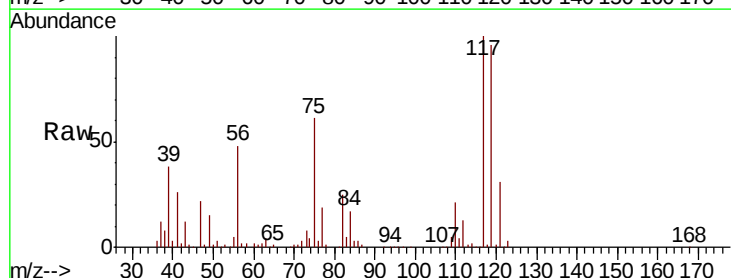
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

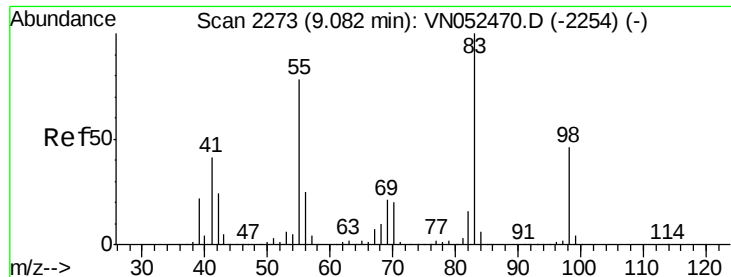
Tot Ion: 43 Resp: 435005
Ion Ratio Lower Upper
43 100
61 15.6 11.8 17.8
70 10.3 7.8 11.8



#38
Carbon Tetrachloride
Concen: 49.104 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion: 117 Resp: 629704
Ion Ratio Lower Upper
117 100
119 95.6 76.8 115.2
121 30.6 24.9 37.3

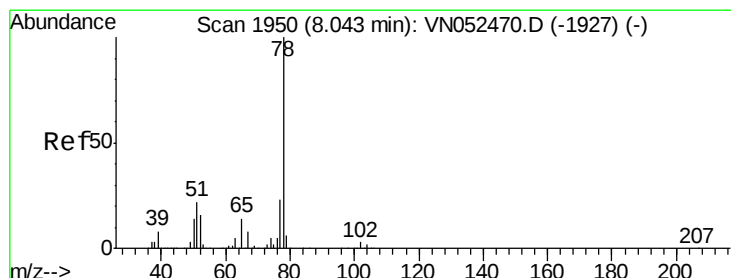
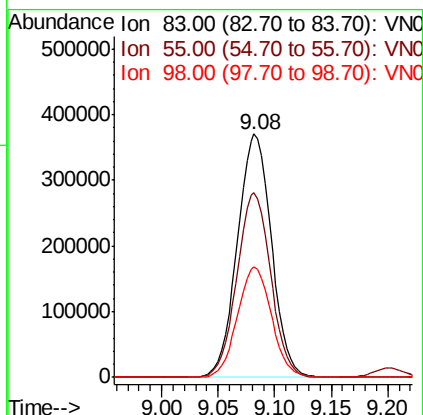
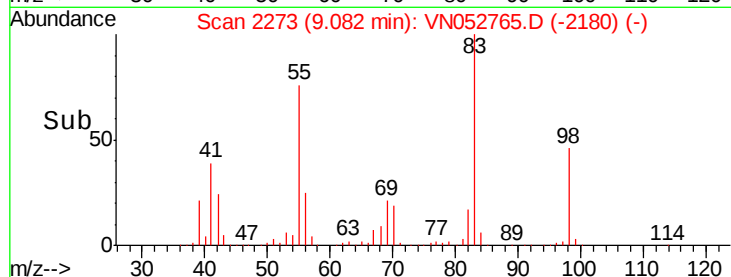
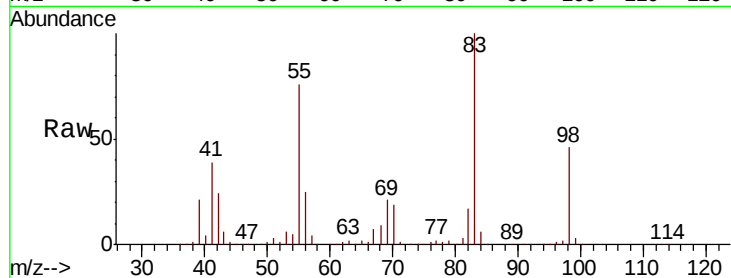




#39
Methvlcvclohexane
Concen: 45.202 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

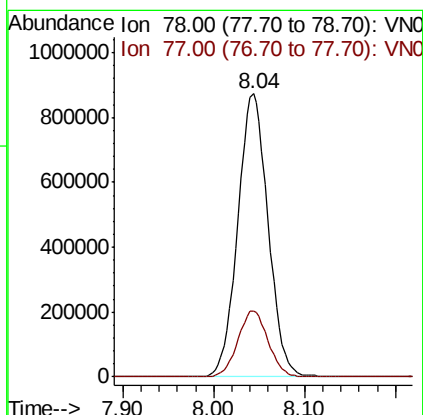
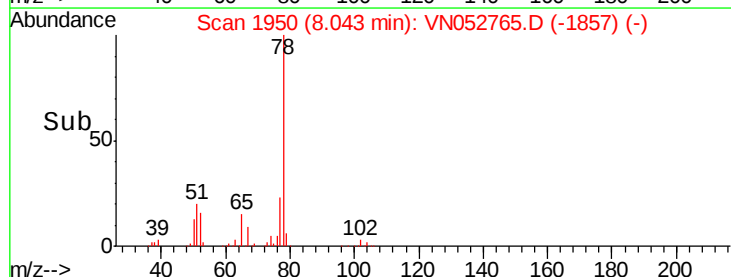
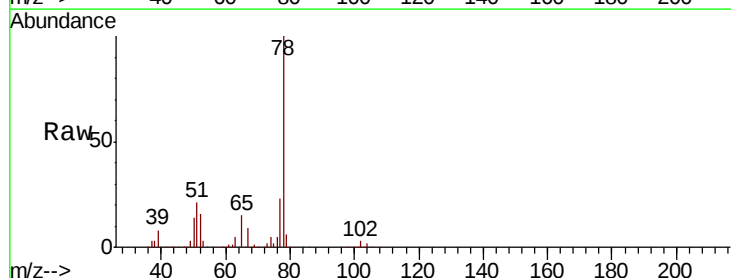
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

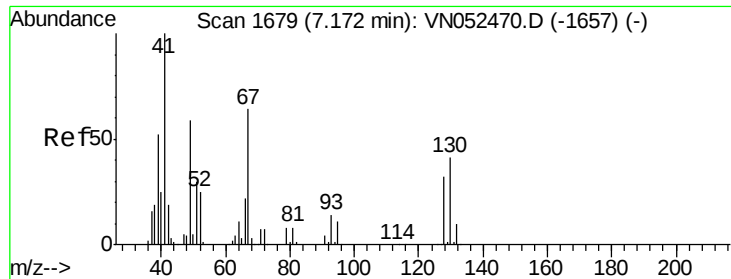
Tot Ion: 83 Resp: 778279
Ion Ratio Lower Upper
83 100
55 76.1 62.2 93.2
98 45.6 36.4 54.6



#40
Benzene
Concen: 47.818 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion: 78 Resp: 2018705
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2

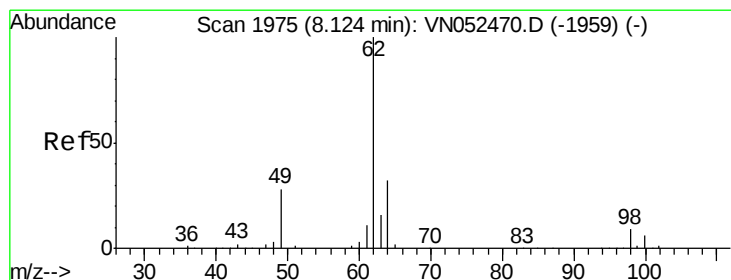
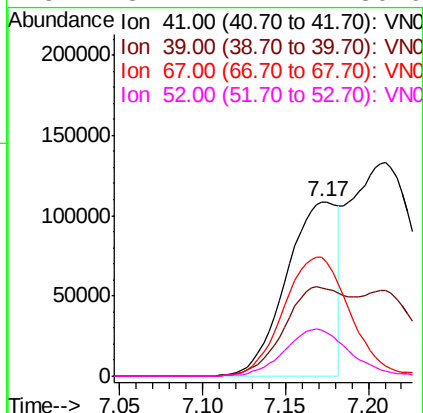
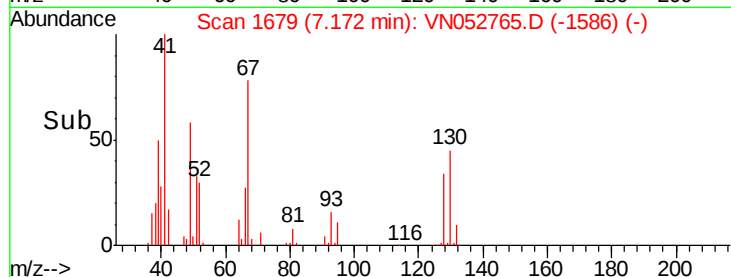
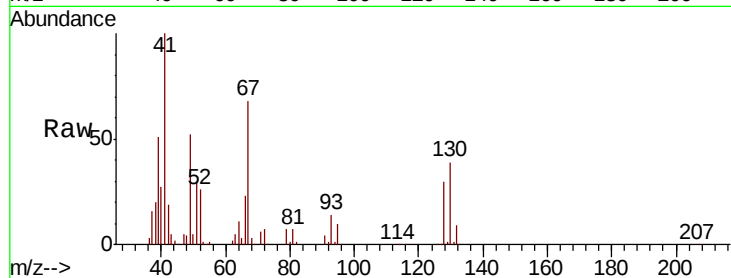




#41
Methacrylonitrile
Concen: 49.127 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

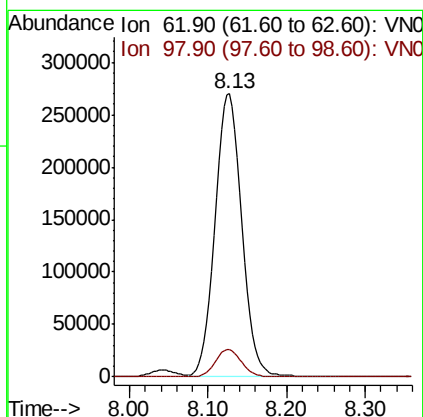
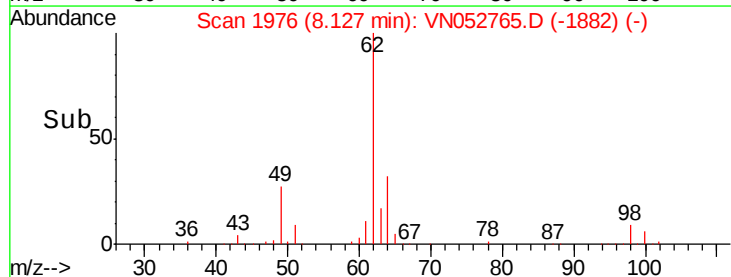
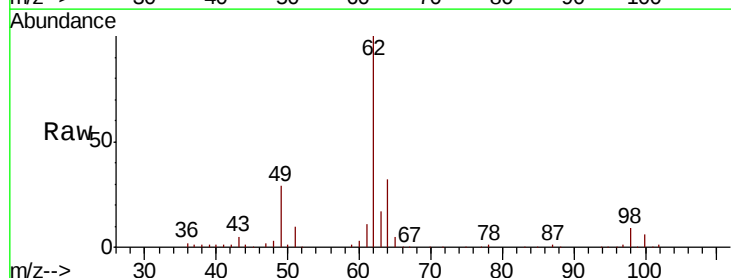
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

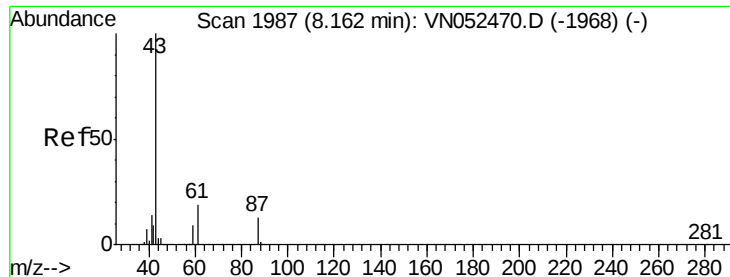
Tot Ion:	41	Resp:	232198
Ion	Ratio	Lower	Upper
41	100		
39	64.8	50.9	76.3
67	89.3	63.6	95.4
52	34.2	24.4	36.6



#42
1,2-Dichloroethane
Concen: 49.369 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion:	62	Resp:	631075
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.6





#43

Isopropyl Acetate

Concen: 57.012 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

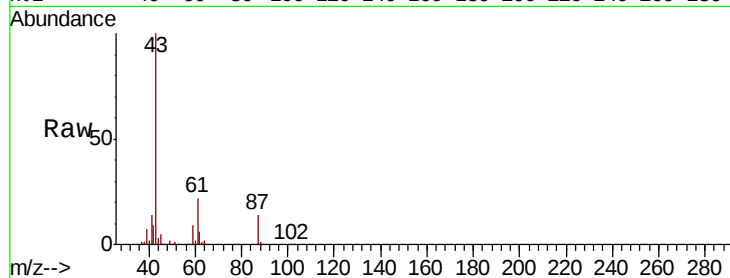
Tot Ion: 43 Resp: 834106

Ion Ratio Lower Upper

43 100

61 27.7 24.1 36.1

87 12.7 10.6 15.8

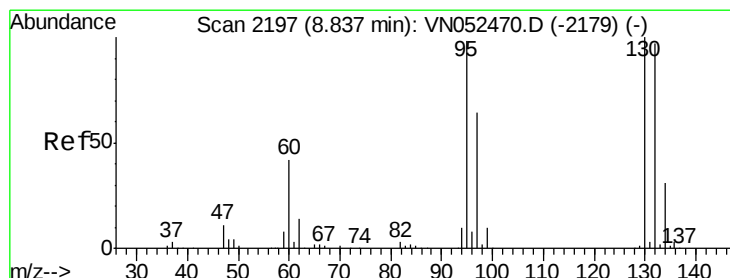
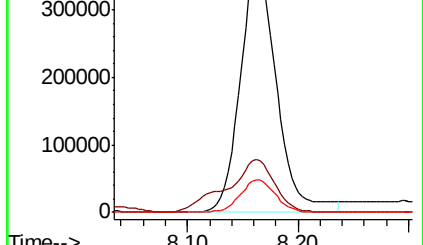
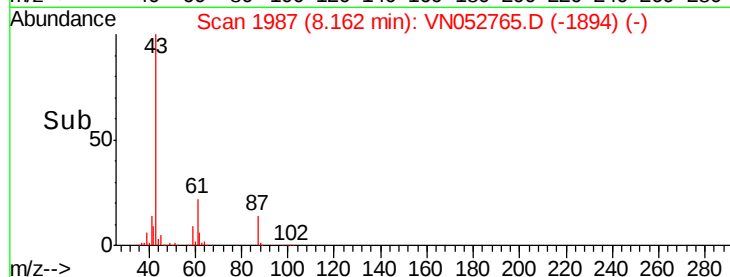


Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052470.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052470.D (-1968) (-)

8.16



#44

Trichloroethene

Concen: 50.736 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052765.D

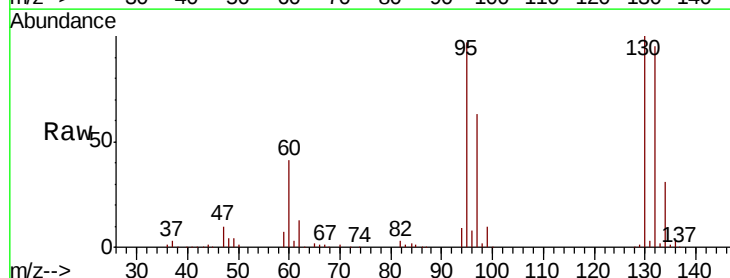
Acq: 10 Dec 2018 20:30

Tgt Ion:130 Resp: 548650

Ion Ratio Lower Upper

130 100

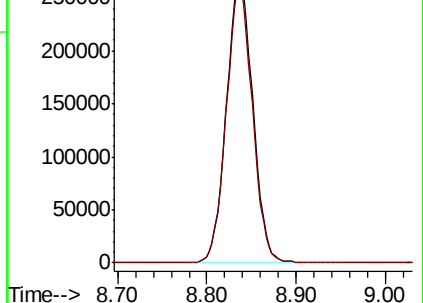
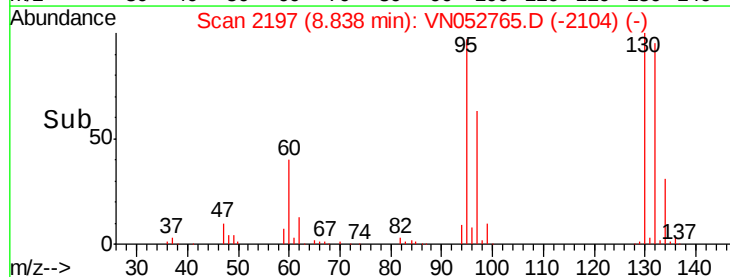
95 97.5 0.0 195.6

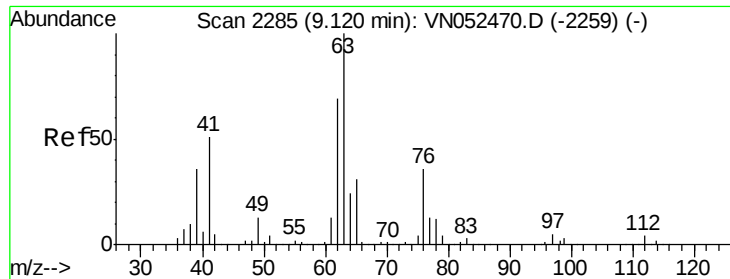


Abundance Ion 129.80 (129.50 to 130.50): VN052470.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052470.D (-2179) (-)

8.84

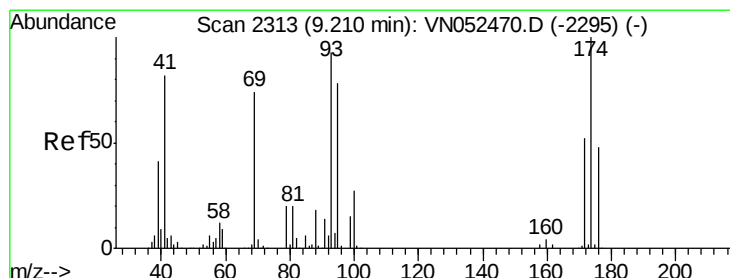
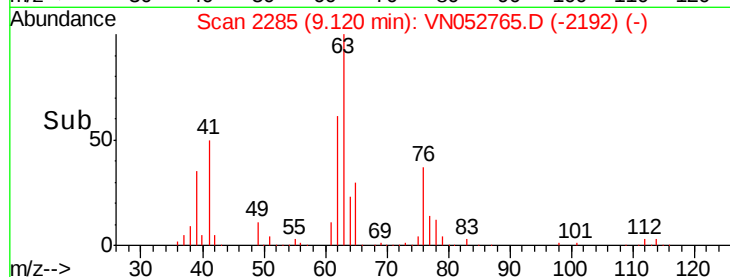
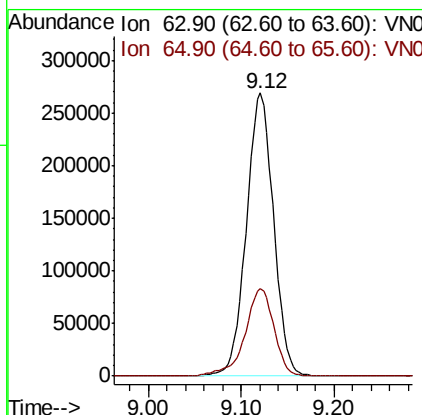
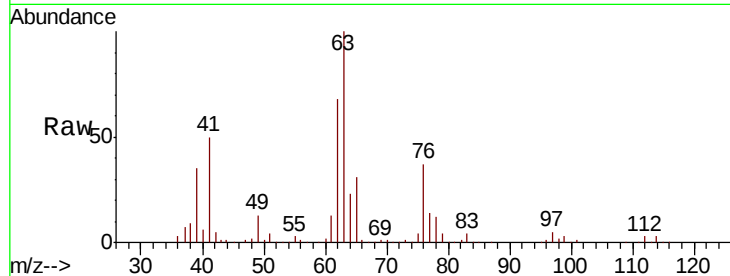




#45
 1,2-Dichloropropane
 Concen: 48.828 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052765.D
 Acq: 10 Dec 2018 20:30

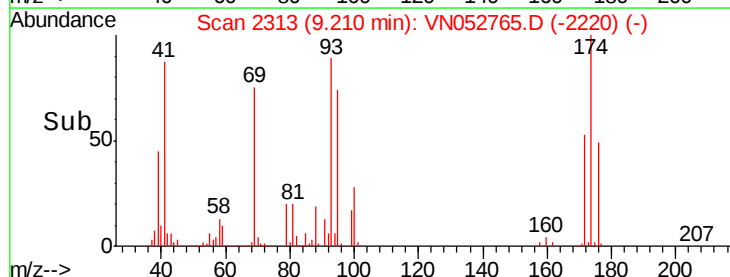
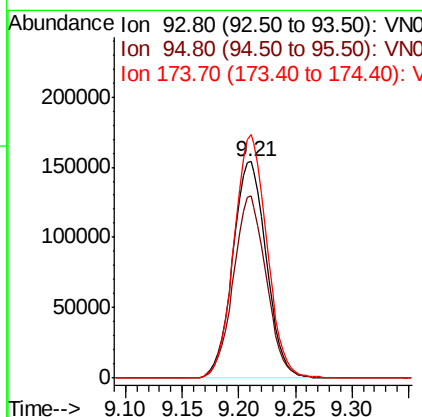
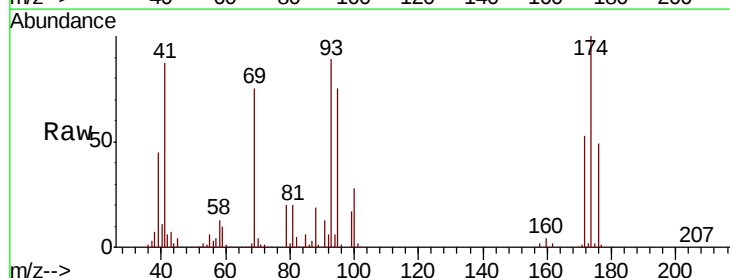
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

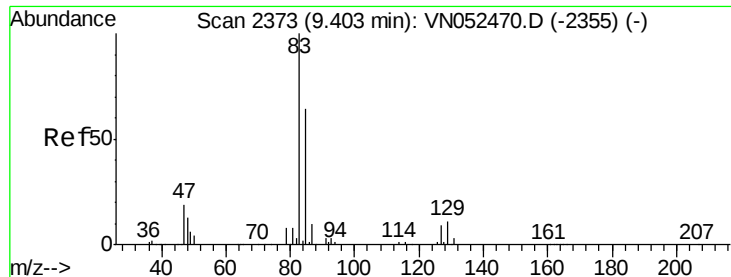
Tot Ion: 63 Resp: 548039
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.6



#46
 Dibromomethane
 Concen: 51.189 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052765.D
 Acq: 10 Dec 2018 20:30

Tgt Ion: 93 Resp: 318053
 Ion Ratio Lower Upper
 93 100
 95 82.7 67.1 100.7
 174 110.3 85.8 128.8





#47

Bromodichloromethane

Concen: 50.636 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

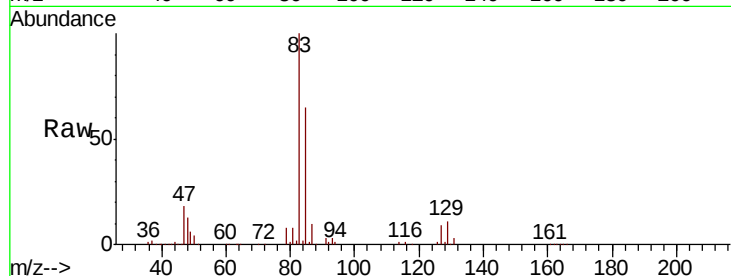
Tot Ion: 83 Resp: 684034

Ion Ratio Lower Upper

83 100

85 64.8 51.3 76.9

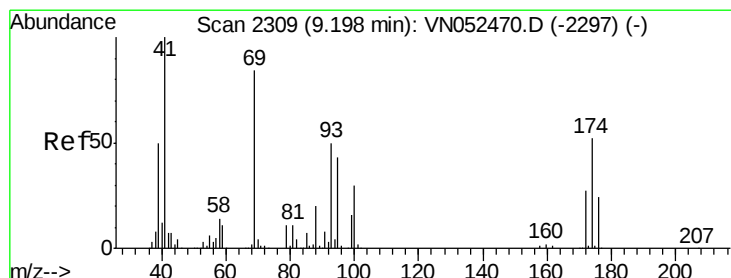
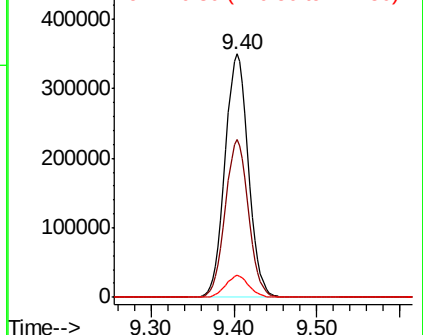
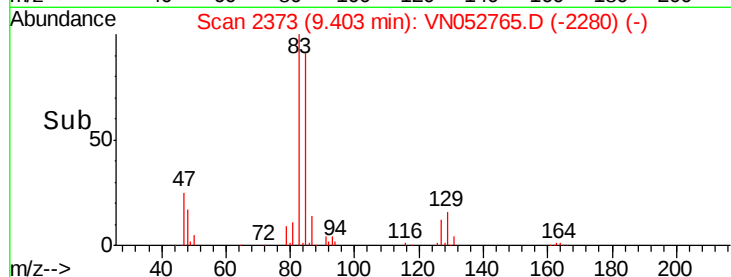
127 8.9 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 53.260 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

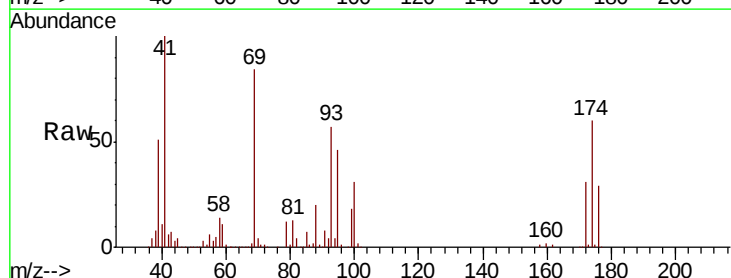
Tgt Ion: 41 Resp: 406305

Ion Ratio Lower Upper

41 100

69 88.2 70.0 105.0

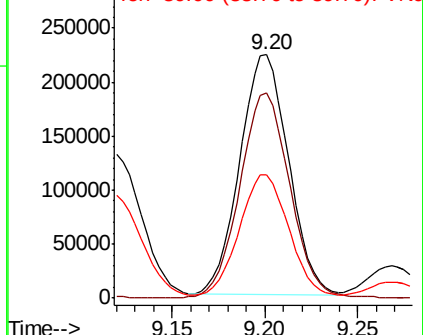
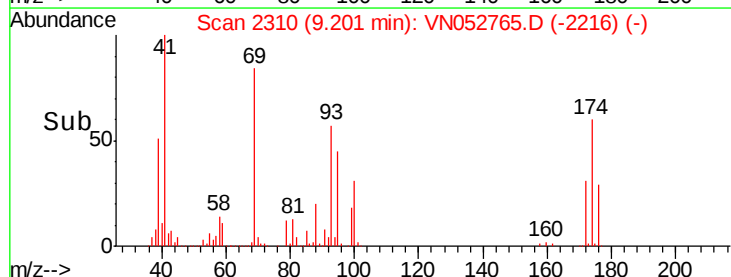
39 53.0 42.6 64.0

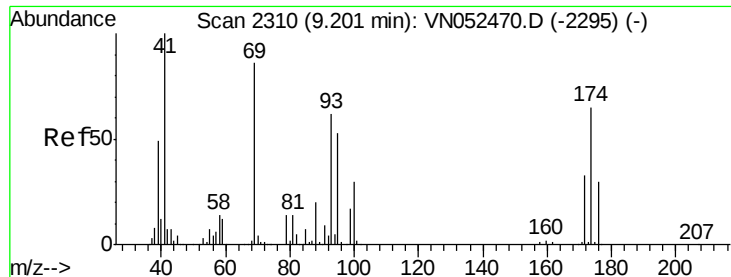


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

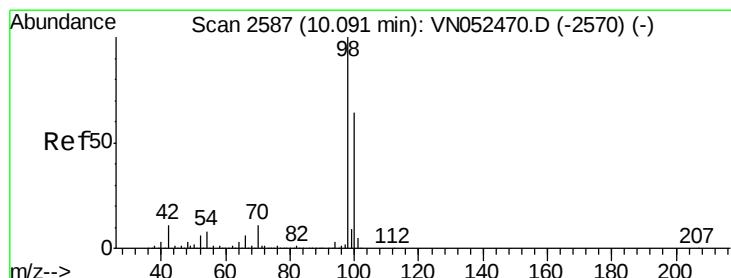
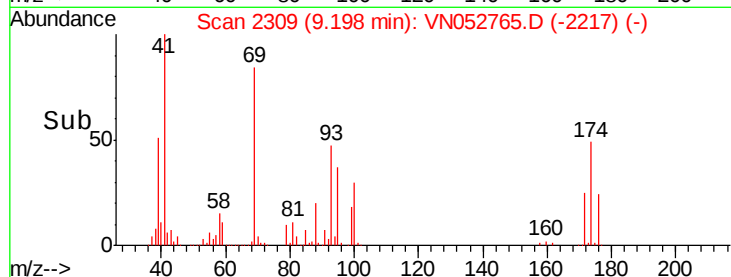
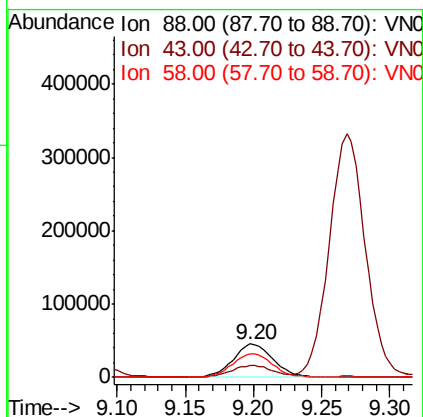
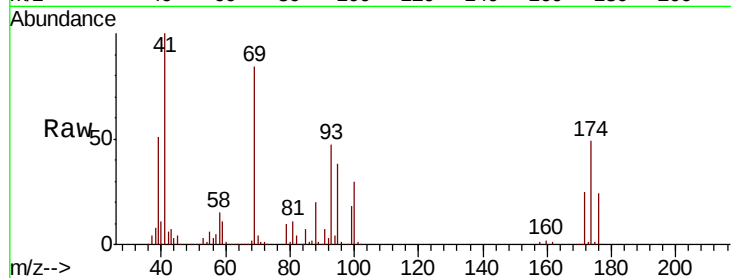




#49
1,4-Dioxane
Concen: 1172.519 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

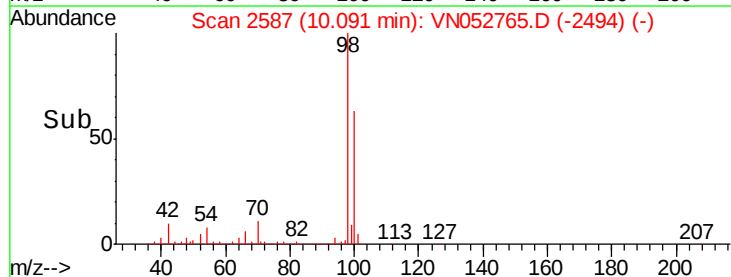
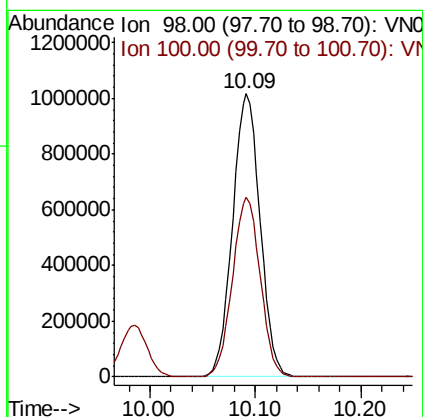
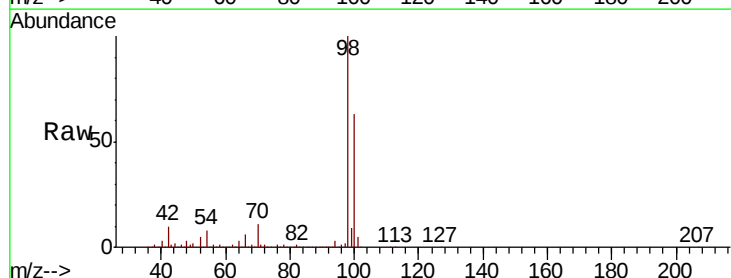
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

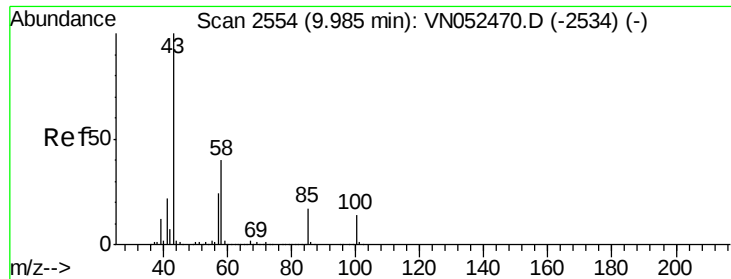
Tot Ion: 88 Resp: 92832
Ion Ratio Lower Upper
88 100
43 33.1 26.4 39.6
58 72.0 55.4 83.0



#50
Toluene-d8
Concen: 1172.519 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion: 98 Resp: 1834356
Ion Ratio Lower Upper
98 100
100 63.9 51.3 76.9





#51

4-Methyl-2-Pentanone

Concen: 270.526 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

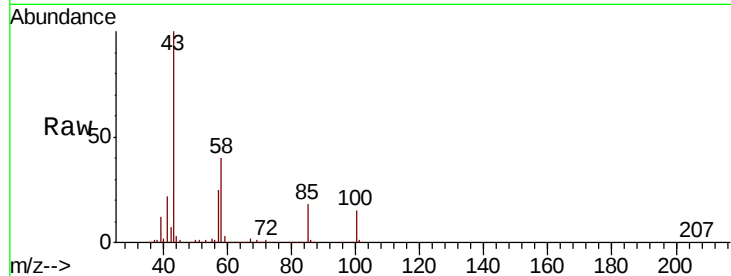
VSTDCCC050EC

Tot Ion: 43 Resp: 2220670

Ion Ratio Lower Upper

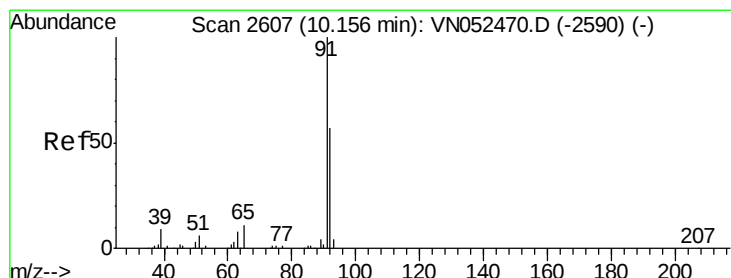
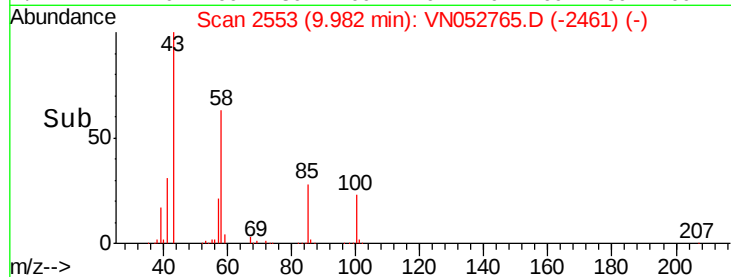
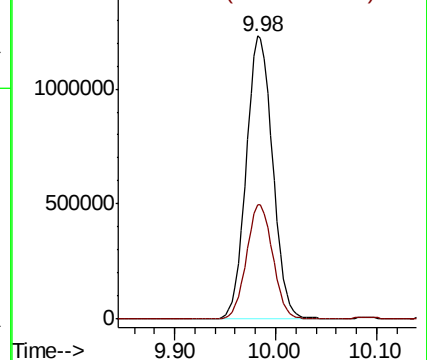
43 100

58 40.3 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.679 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052765.D

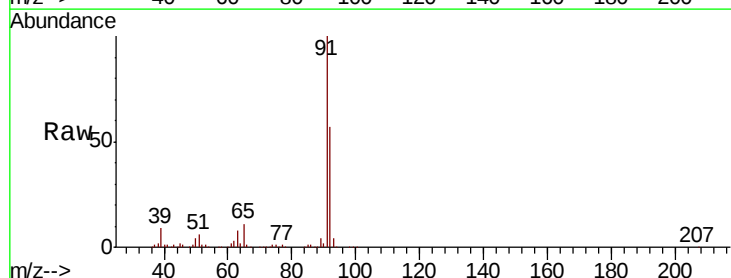
Acq: 10 Dec 2018 20:30

Tgt Ion: 92 Resp: 1246085

Ion Ratio Lower Upper

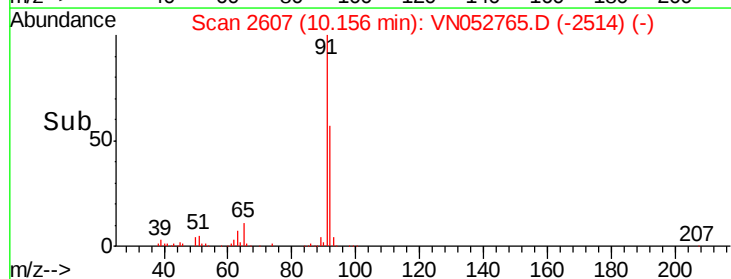
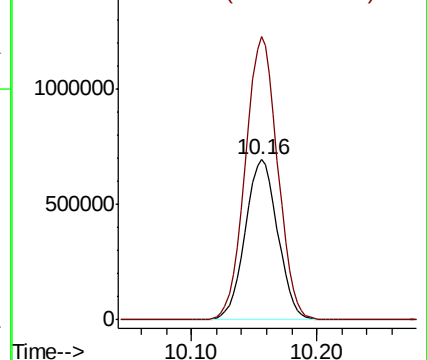
92 100

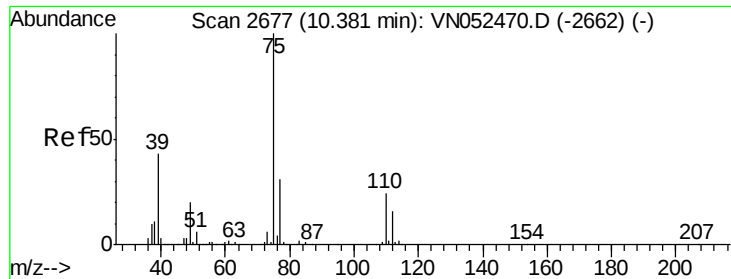
91 176.1 141.0 211.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 52.700 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

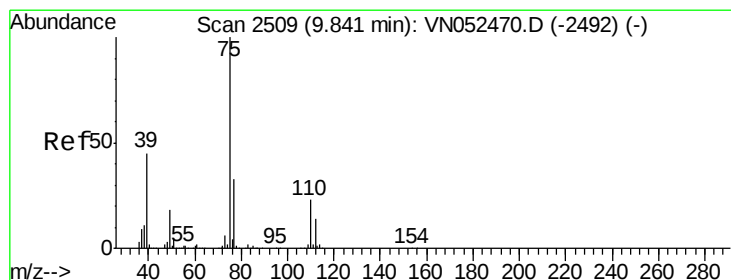
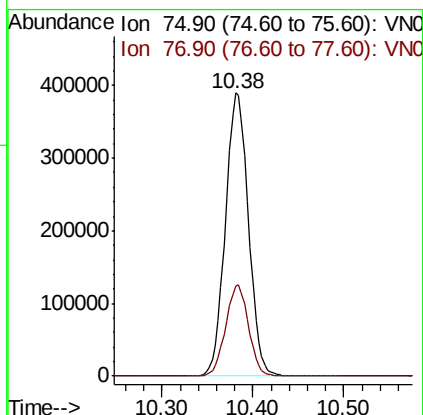
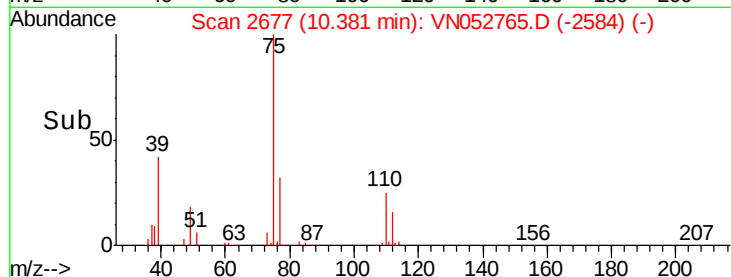
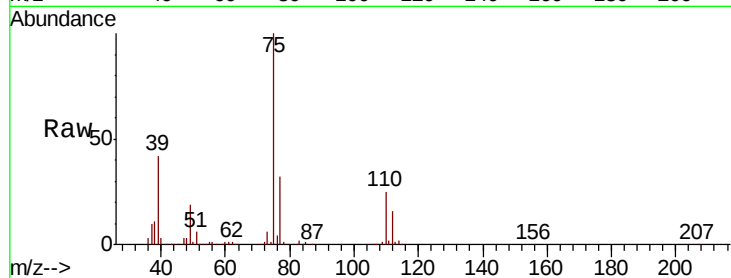
VSTDCCC050EC

Tot Ion: 75 Resp: 684882

Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 51.202 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

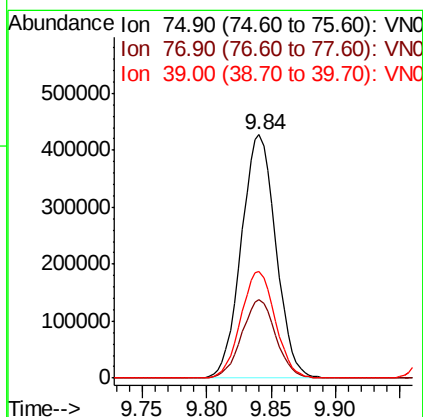
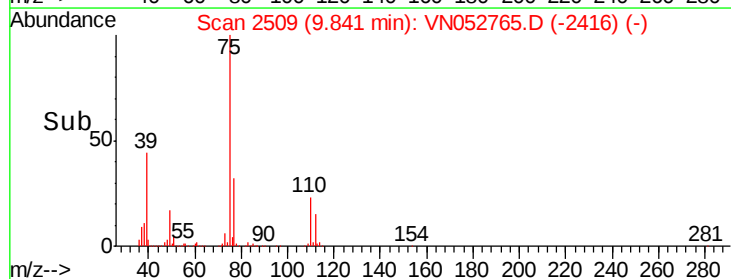
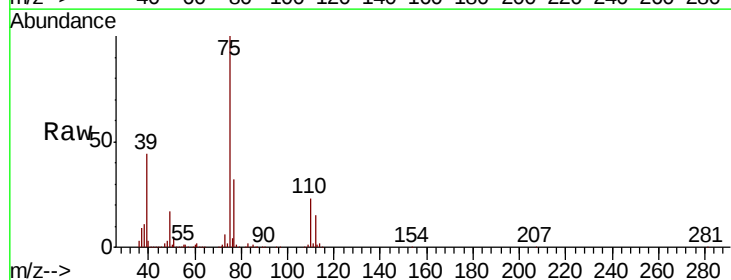
Tgt Ion: 75 Resp: 797413

Ion Ratio Lower Upper

75 100

77 32.1 26.2 39.2

39 43.8 36.0 54.0

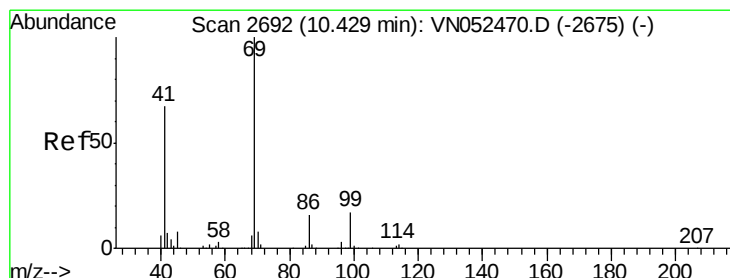
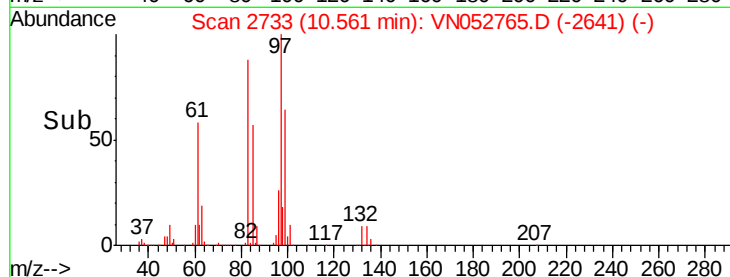
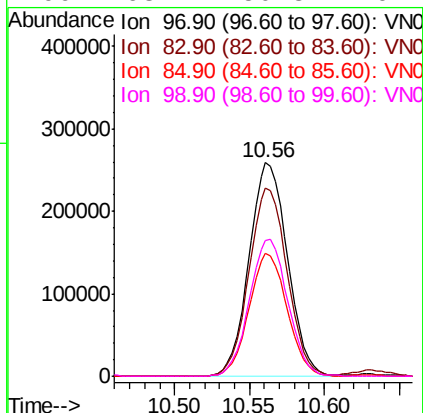
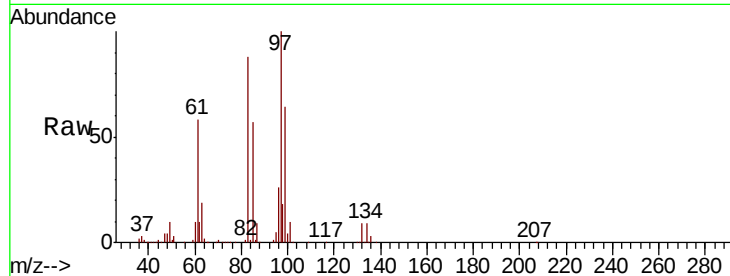




#55
 1,1,2-Trichloroethane
 Concen: 52.497 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052765.D
 Acq: 10 Dec 2018 20:30

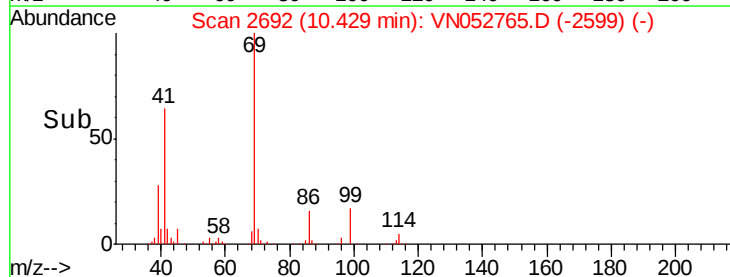
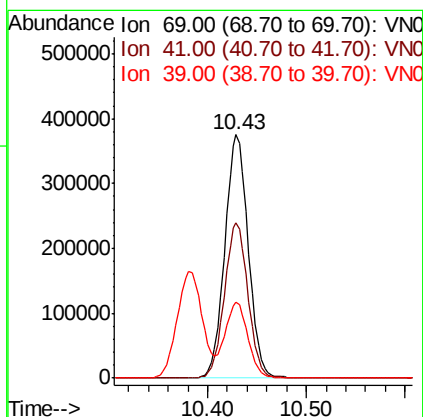
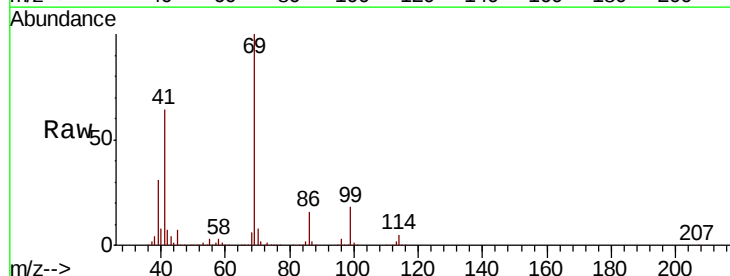
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

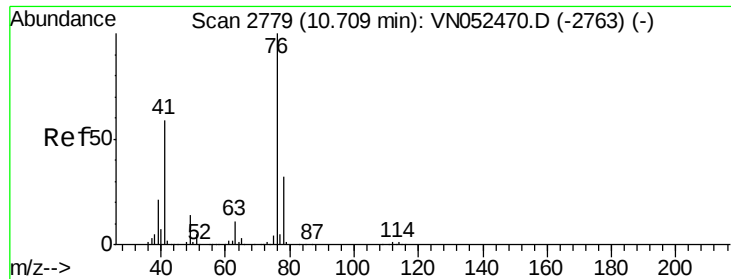
Tot Ion:	97	Resp:	463180
Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.7	106.1
85	57.3	46.1	69.1
99	63.7	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 51.125 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052765.D
 Acq: 10 Dec 2018 20:30

Tgt Ion:	69	Resp:	627151
Ion	Ratio	Lower	Upper
69	100		
41	63.2	52.6	79.0
39	30.4	25.9	38.9

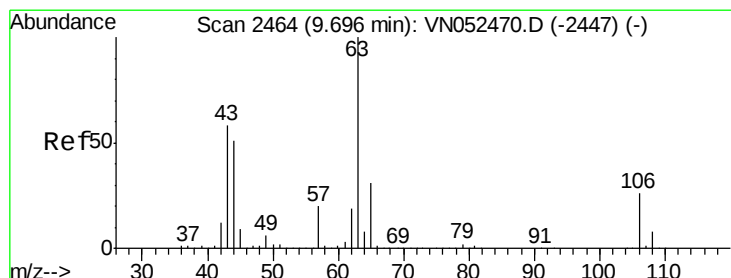
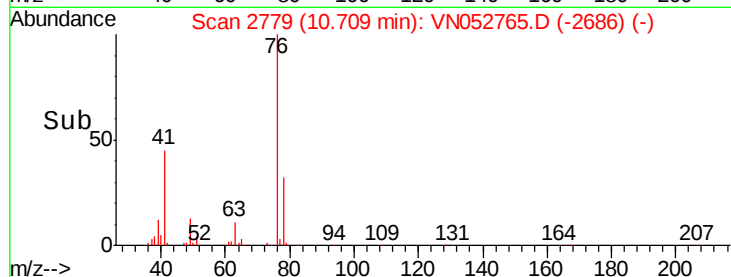
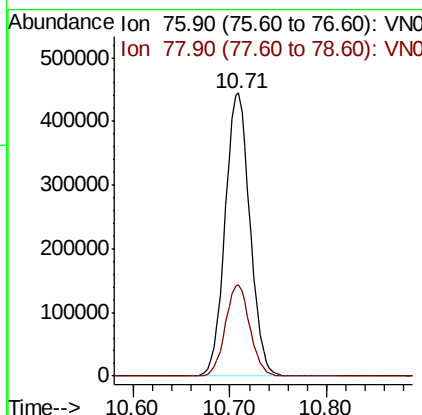
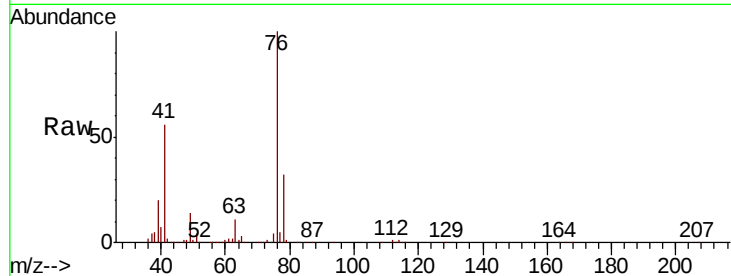




#57
 1,3-Dichloropropane
 Concen: 50.731 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052765.D
 Acq: 10 Dec 2018 20:30

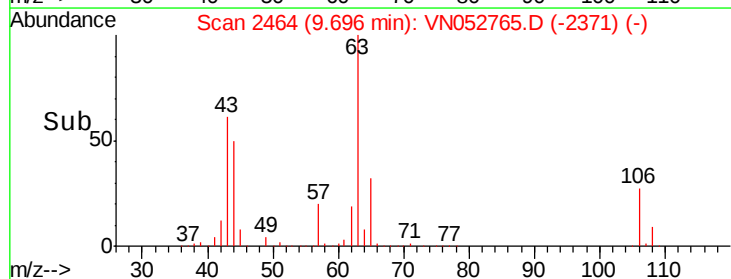
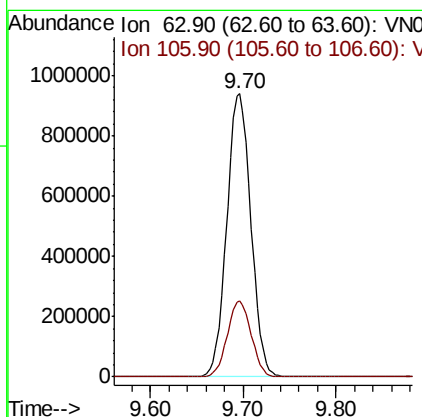
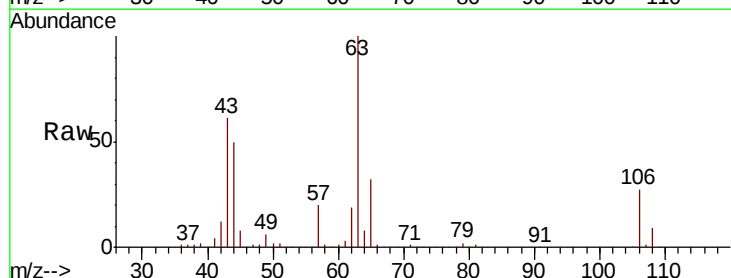
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

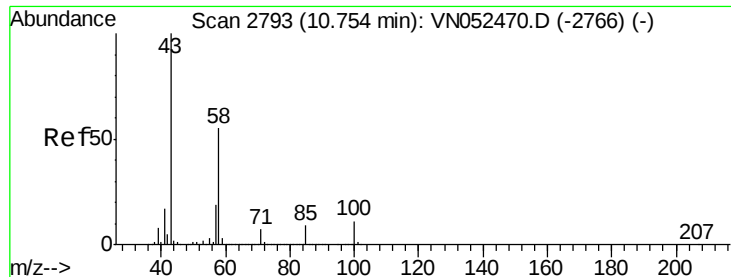
Tot Ion: 76 Resp: 790327
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.357 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052765.D
 Acq: 10 Dec 2018 20:30

Tgt Ion: 63 Resp: 1692460
 Ion Ratio Lower Upper
 63 100
 106 26.6 20.6 30.8

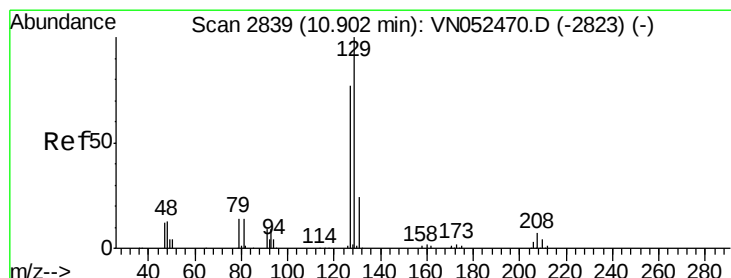
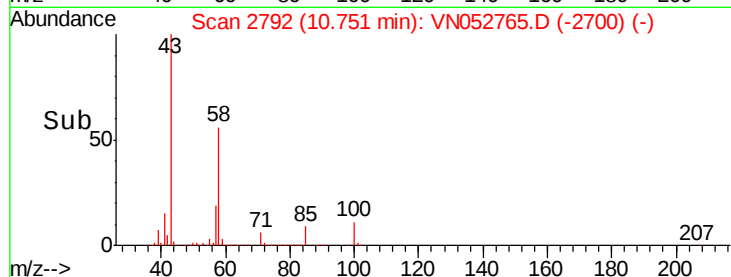
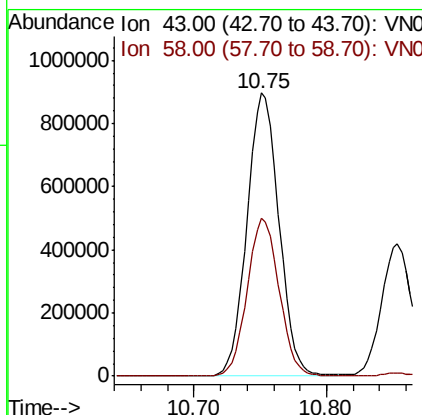
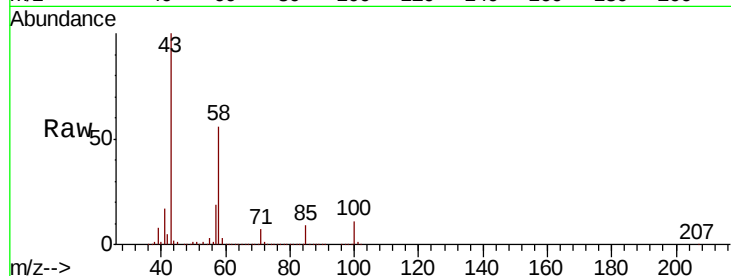




#59
2-Hexanone
Concen: 272.404 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

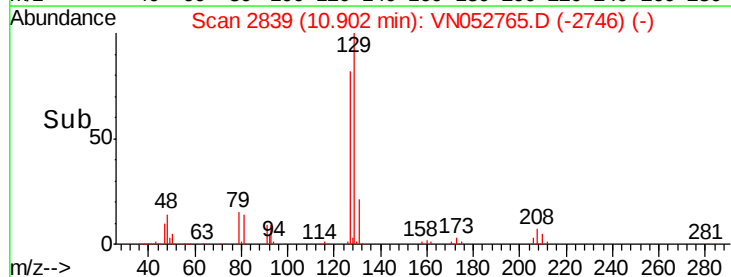
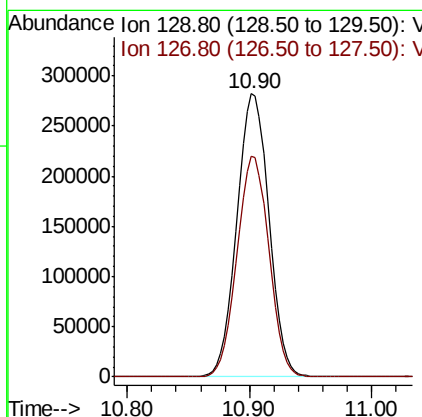
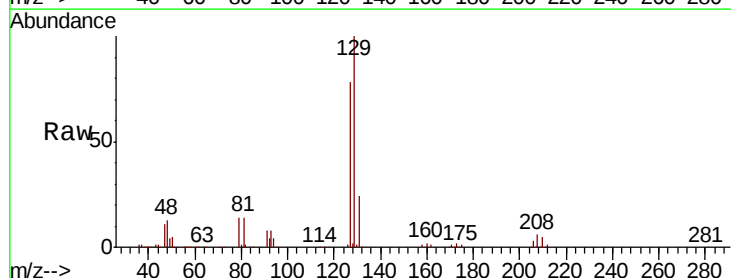
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

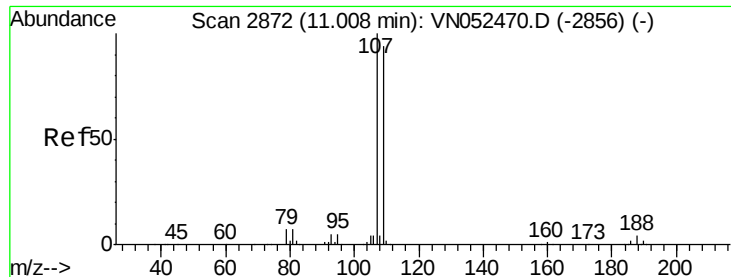
Tot Ion: 43 Resp: 1500752
Ion Ratio Lower Upper
43 100
58 55.8 27.4 82.0



#60
Dibromochloromethane
Concen: 53.498 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion: 129 Resp: 512650
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.6





#61

1,2-Dibromoethane

Concen: 52.089 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

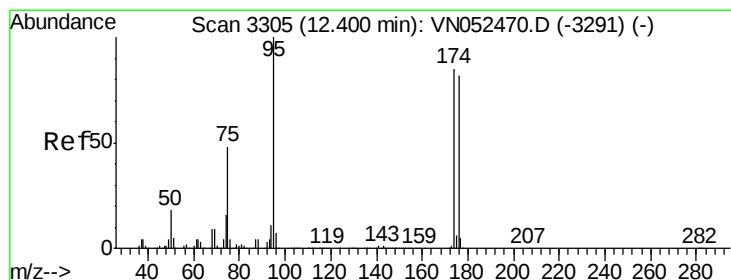
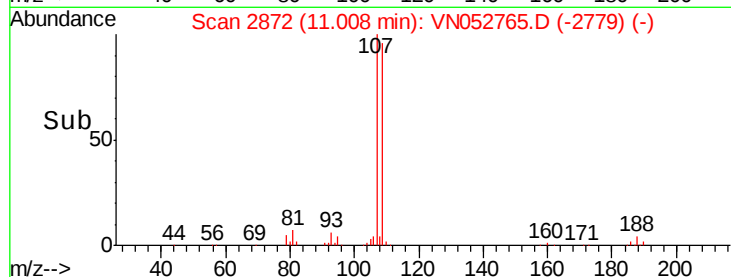
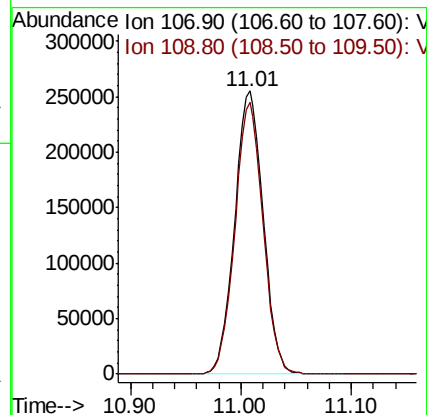
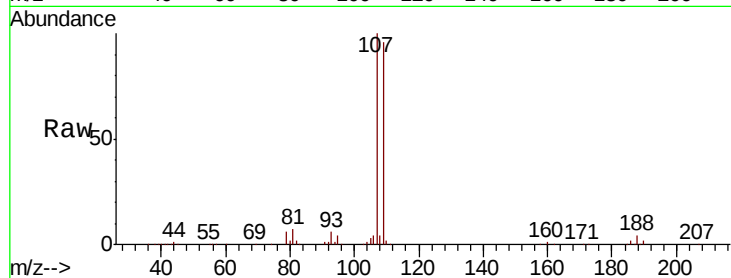
VSTDCCC050EC

Tot Ion:107 Resp: 456459

Ion Ratio Lower Upper

107 100

109 94.7 75.6 113.4



#62

4-Bromofluorobenzene

Concen: 52.089 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

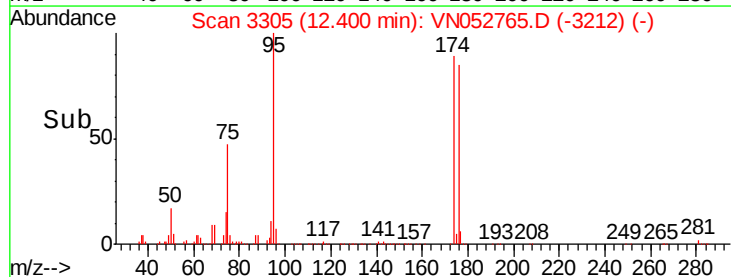
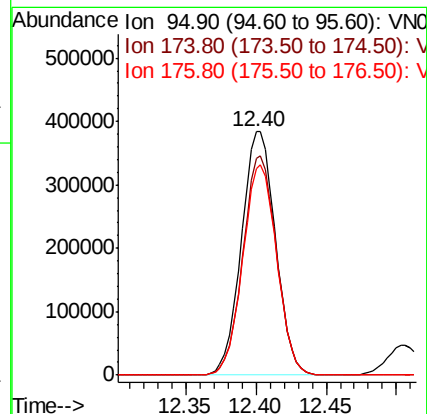
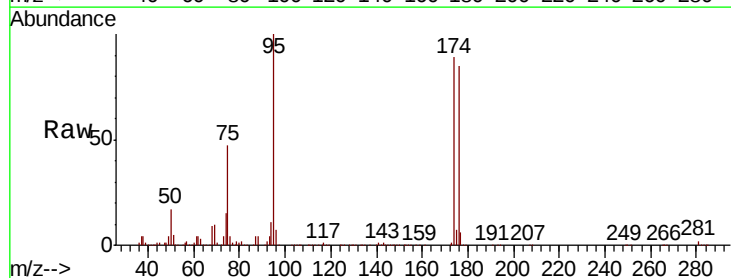
Tgt Ion: 95 Resp: 651403

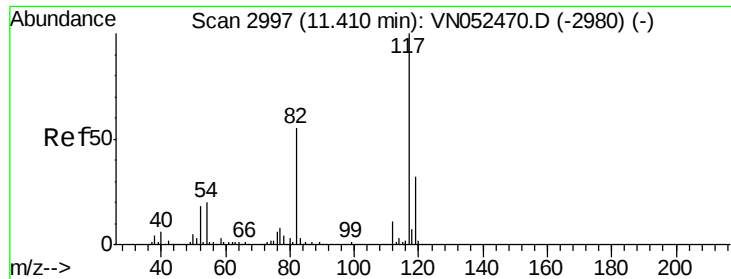
Ion Ratio Lower Upper

95 100

174 88.7 0.0 173.0

176 86.1 0.0 166.2

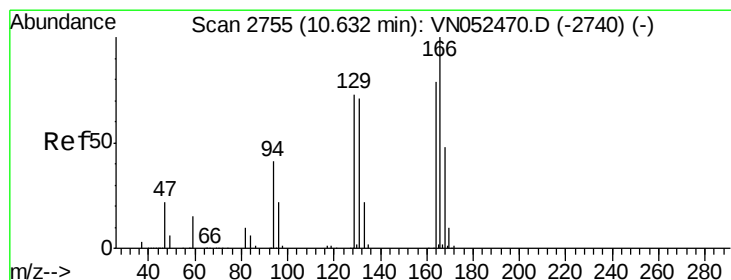
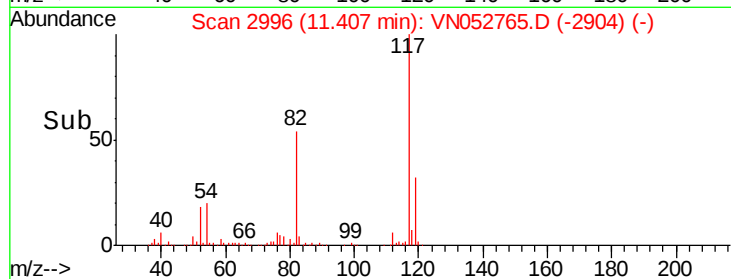
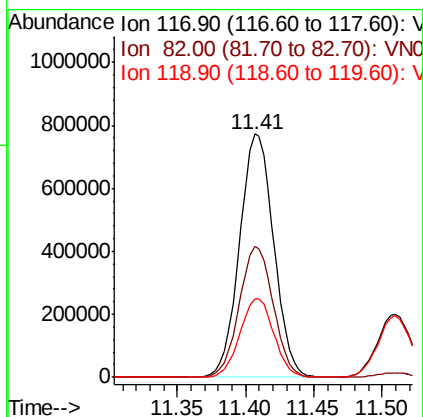
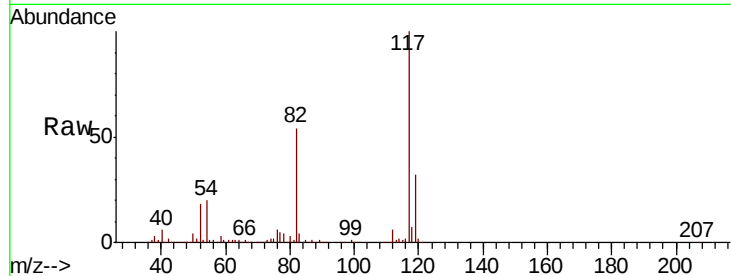




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

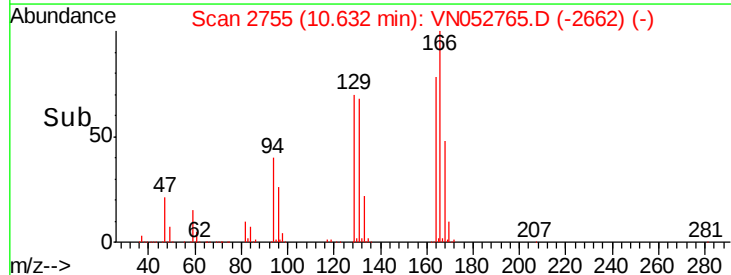
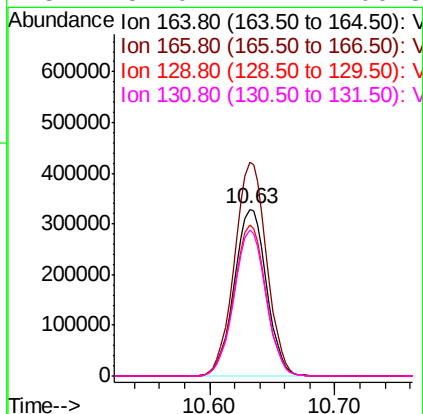
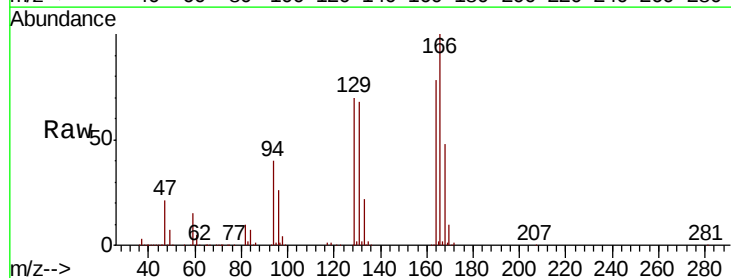
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1341055
Ion Ratio Lower Upper
117 100
82 53.8 43.6 65.4
119 32.4 25.4 38.2



#64
Tetrachloroethene
Concen: 56.497 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion:164 Resp: 587435
Ion Ratio Lower Upper
164 100
166 127.9 101.0 151.4
129 90.2 73.8 110.6
131 87.0 71.2 106.8

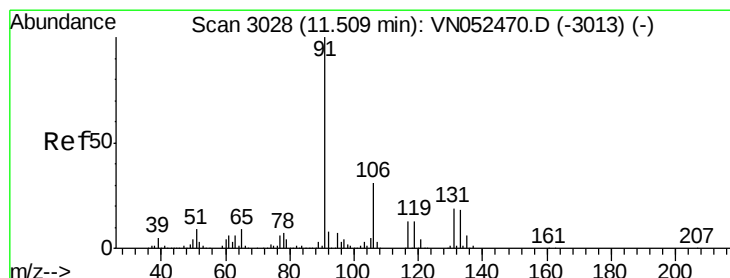
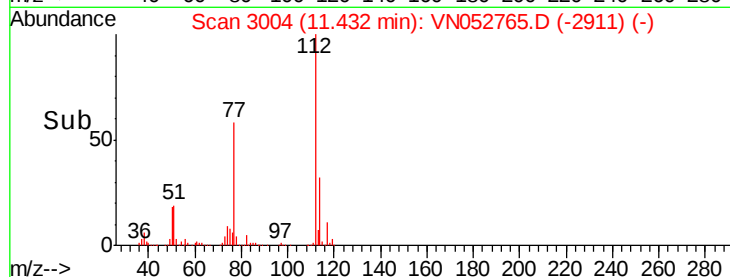
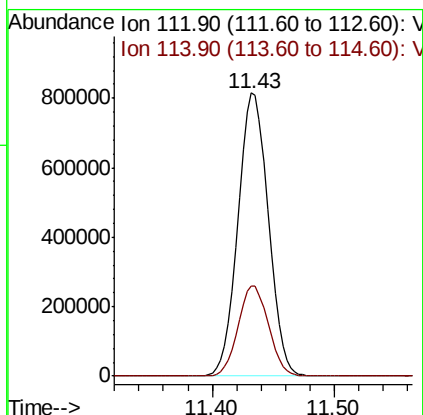
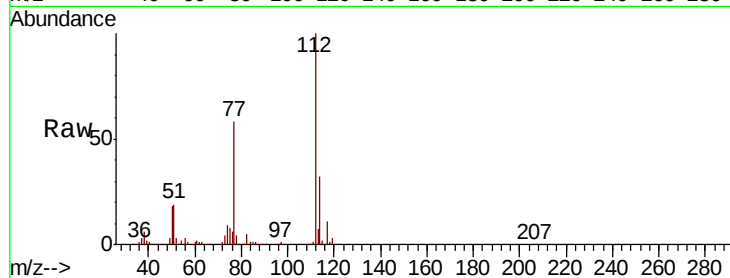




#65
Chlorobenzene
Concen: 50.512 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

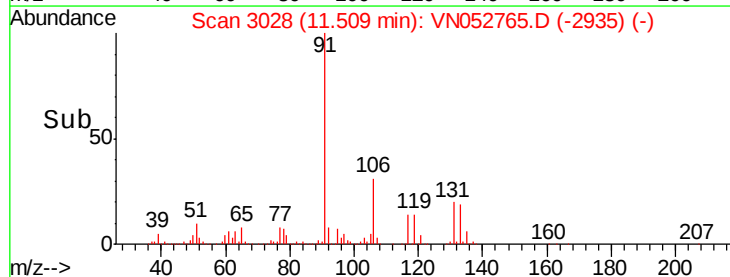
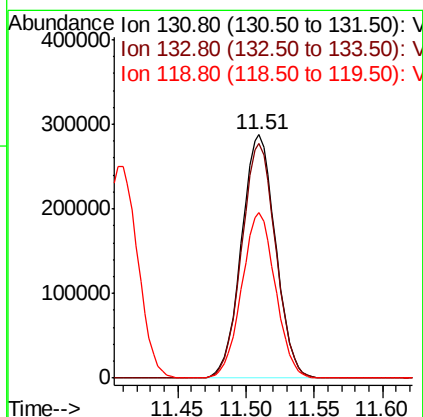
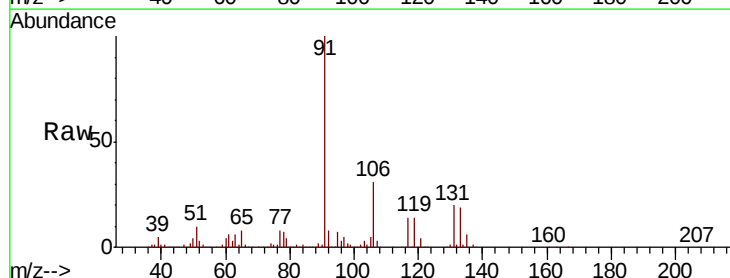
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

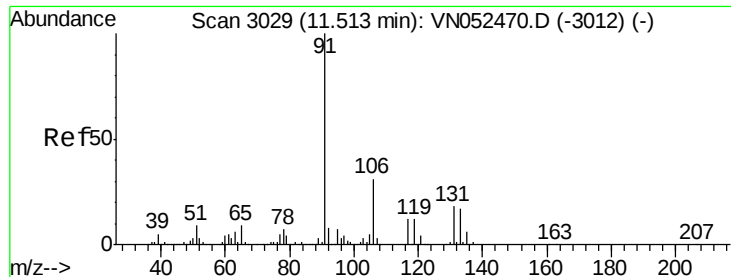
Tot Ion:112 Resp: 1396786
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.860 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion:131 Resp: 498632
Ion Ratio Lower Upper
131 100
133 96.2 47.6 142.8
119 67.4 33.2 99.6





#67

Ethyl Benzene

Concen: 50.159 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

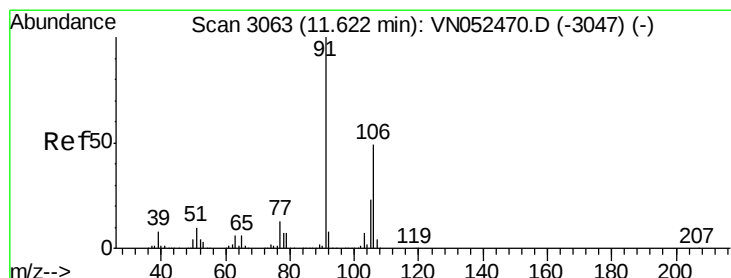
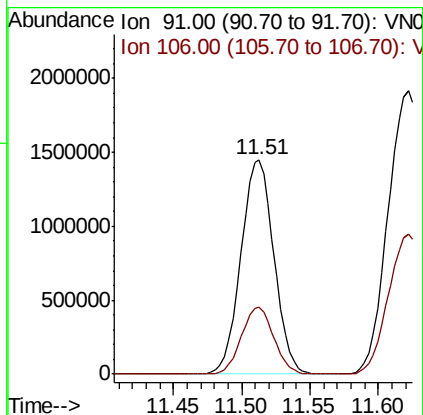
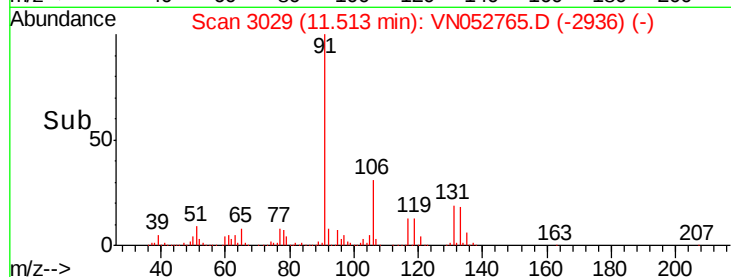
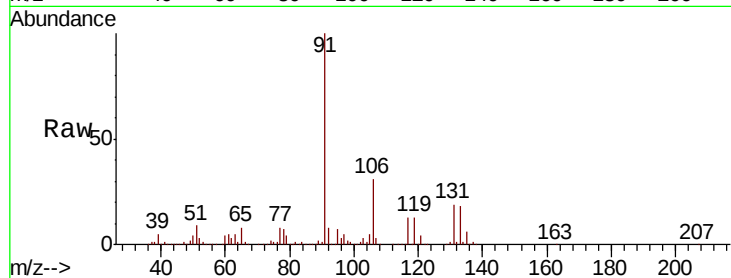
VSTDCCC050EC

Tot Ion: 91 Resp: 2428894

Ion Ratio Lower Upper

91 100

106 30.9 24.9 37.3



#68

m/p-Xylenes

Concen: 101.222 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052765.D

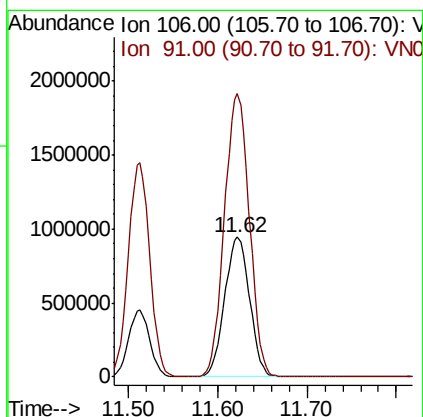
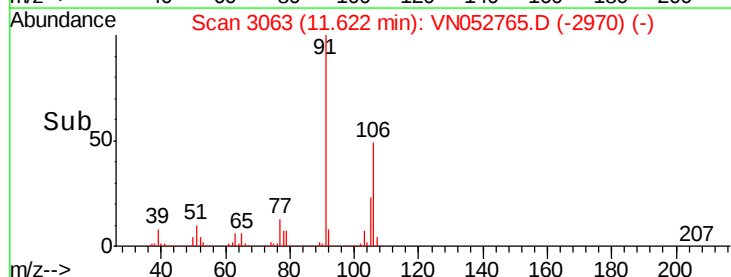
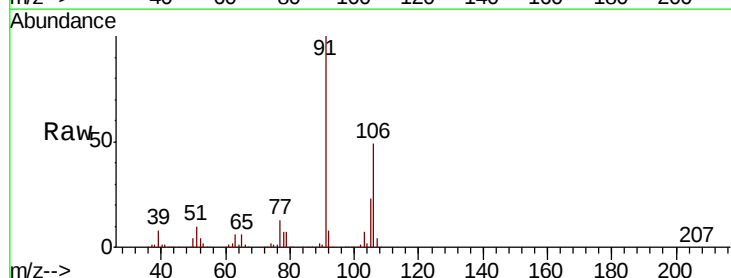
Acq: 10 Dec 2018 20:30

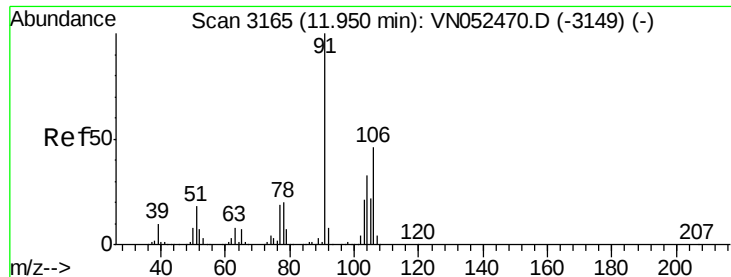
Tgt Ion: 106 Resp: 1824743

Ion Ratio Lower Upper

106 100

91 202.8 163.2 244.8

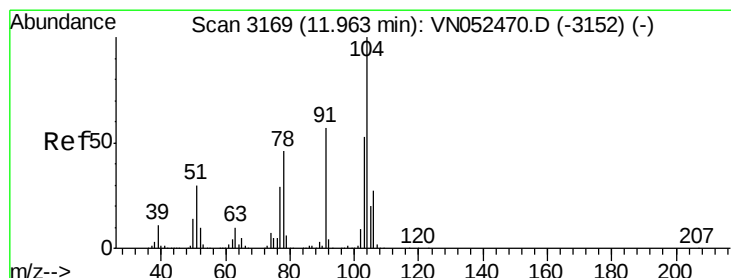
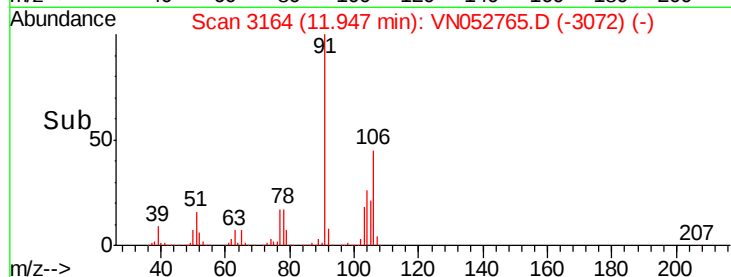
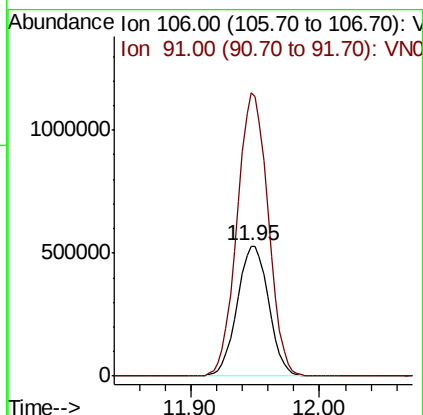
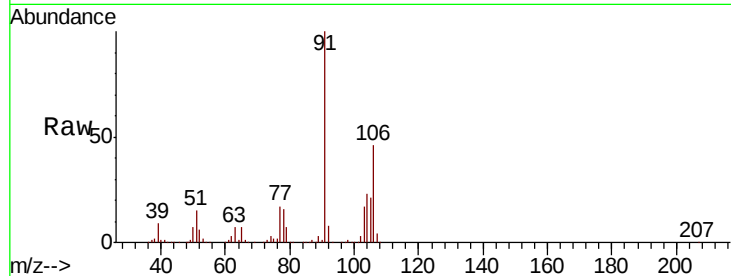




#69
o-Xylene
Concen: 51.113 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

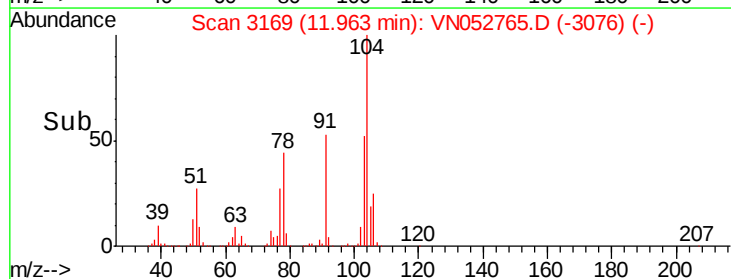
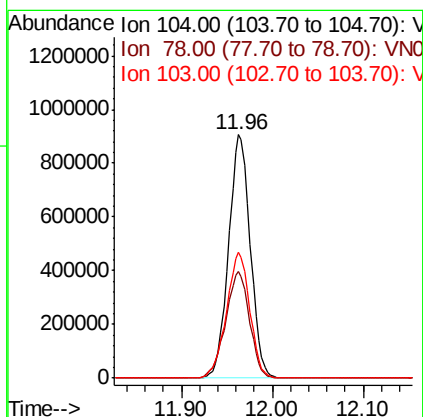
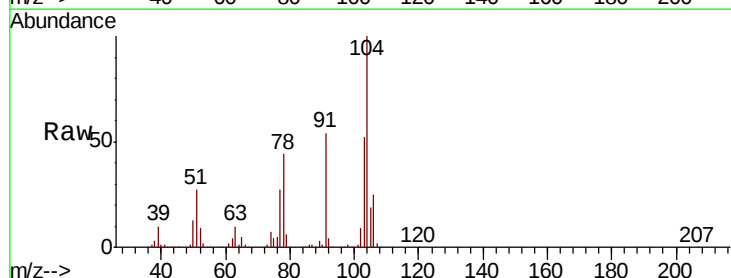
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 894787
Ion Ratio Lower Upper
106 100
91 215.4 107.7 323.1



#70
Styrene
Concen: 53.674 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion:104 Resp: 1496579
Ion Ratio Lower Upper
104 100
78 48.3 39.4 59.2
103 55.5 44.9 67.3





#71

Bromoform

Concen: 56.046 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

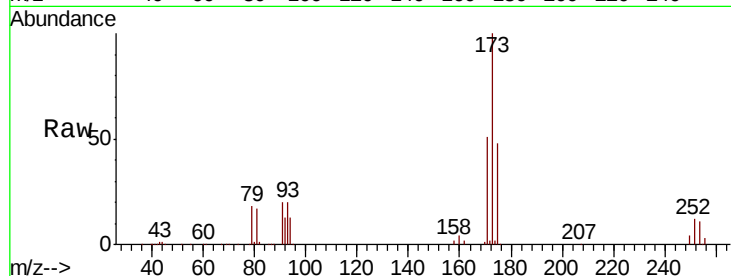
Tot Ion:173 Resp: 356803

Ion Ratio Lower Upper

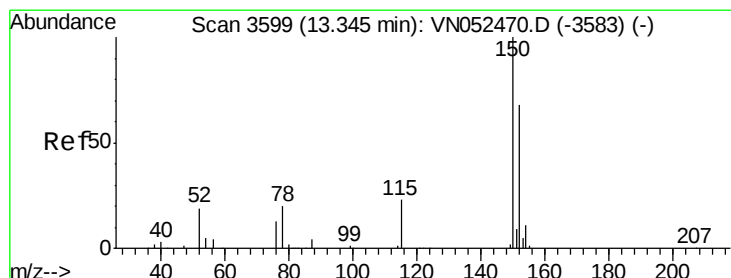
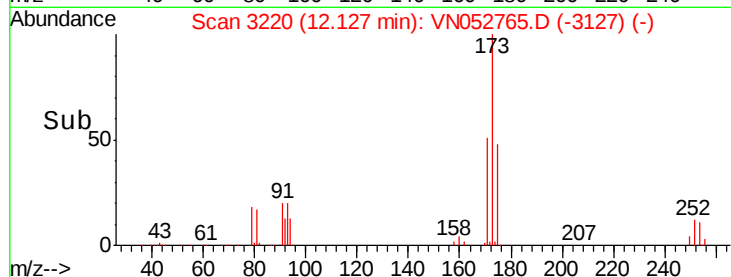
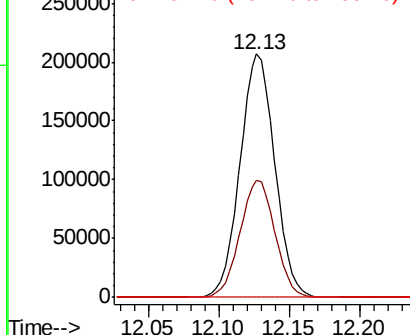
173 100

175 48.5 24.4 73.2

254 0.2 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

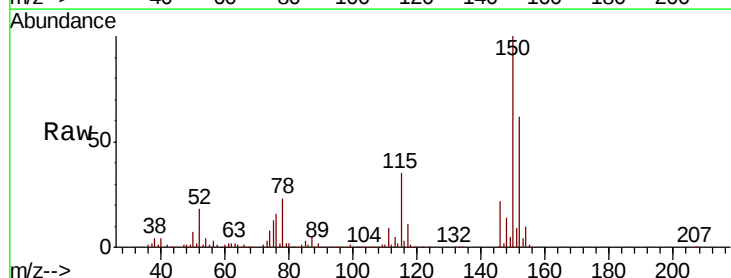
Tgt Ion:152 Resp: 650052

Ion Ratio Lower Upper

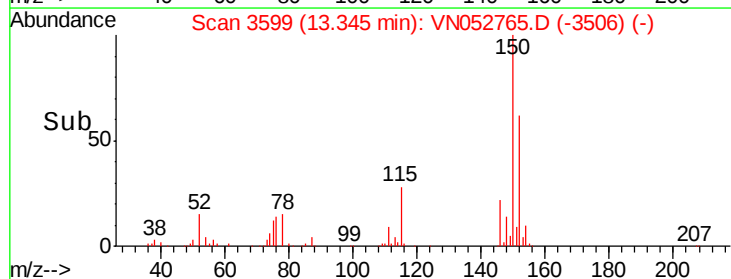
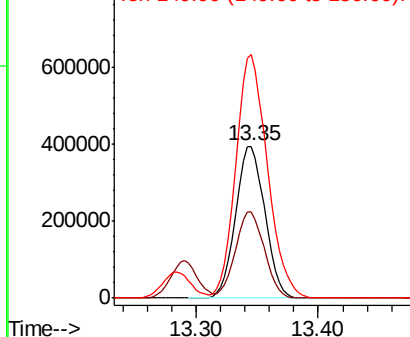
152 100

115 56.5 28.4 85.2

150 173.5 0.0 346.0



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





#73

Isopropylbenzene

Concen: 47.219 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

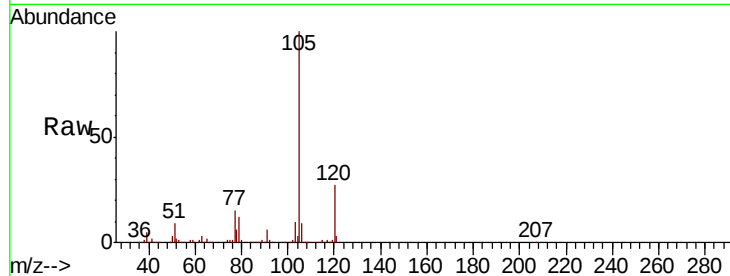
VSTDCCC050EC

Tot Ion:105 Resp: 2408193

Ion Ratio Lower Upper

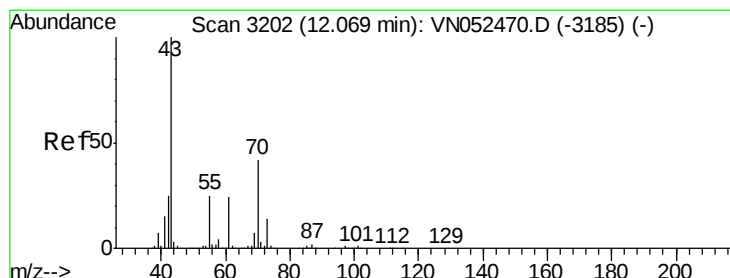
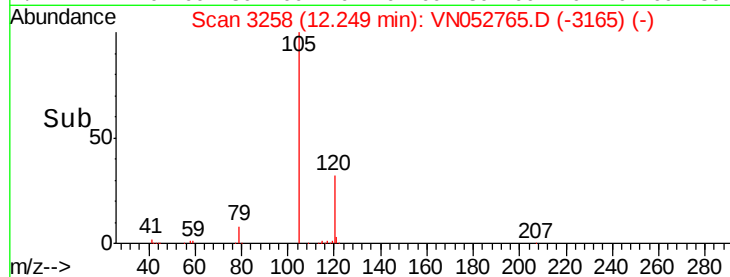
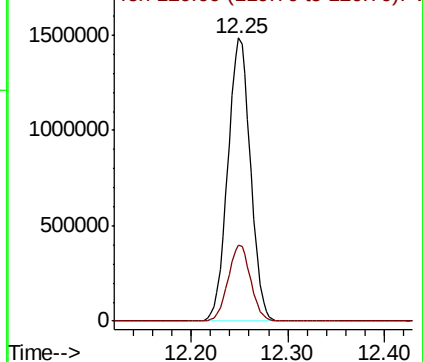
105 100

120 26.7 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.144 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Tgt Ion: 43 Resp: 710521

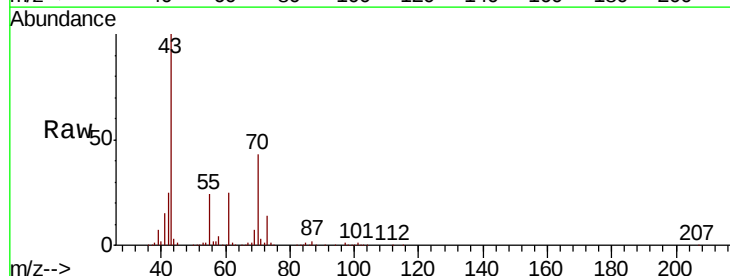
Ion Ratio Lower Upper

43 100

70 42.8 33.8 50.8

55 24.4 20.0 30.0

61 24.9 19.7 29.5

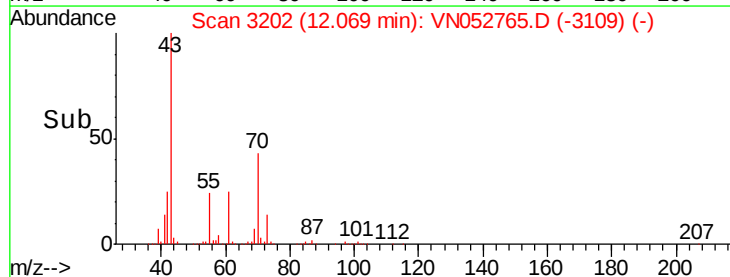
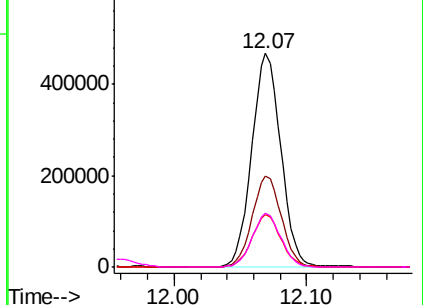


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.071 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

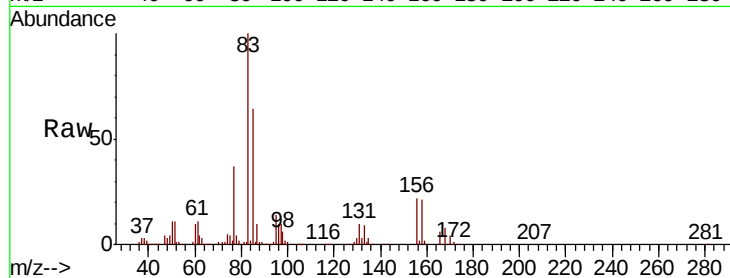
Tot Ion: 83 Resp: 546095

Ion Ratio Lower Upper

83 100

131 10.4 5.0 15.0

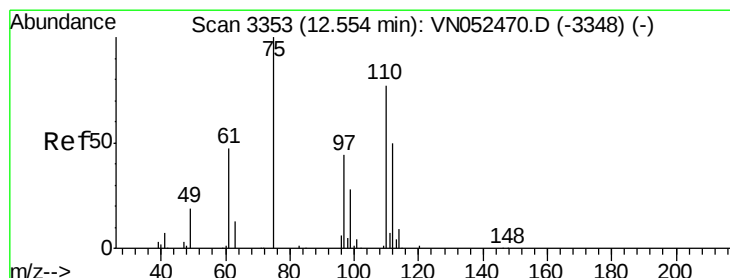
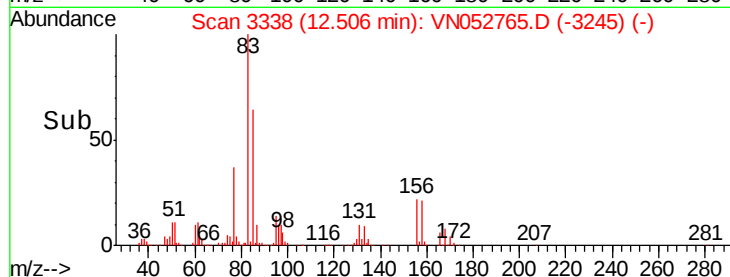
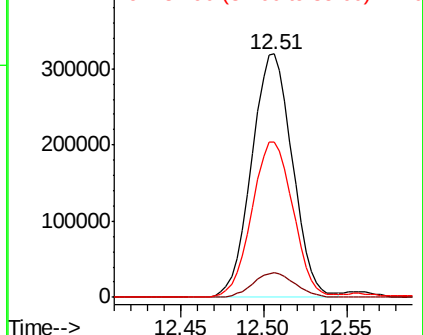
85 64.4 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 71.395 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052765.D

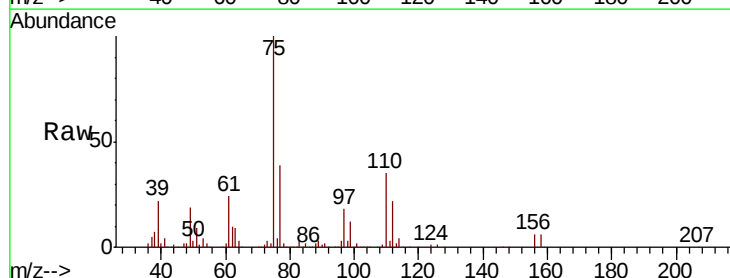
Acq: 10 Dec 2018 20:30

Tgt Ion: 75 Resp: 715675

Ion Ratio Lower Upper

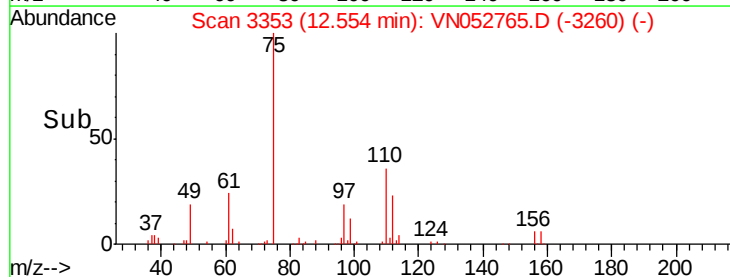
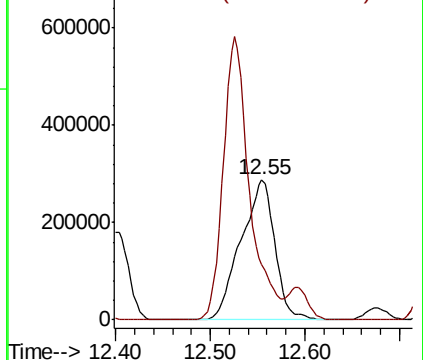
75 100

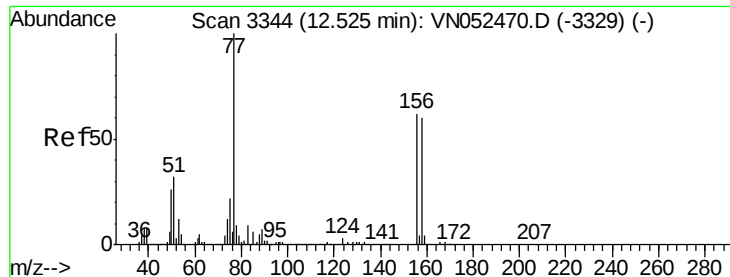
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.444 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

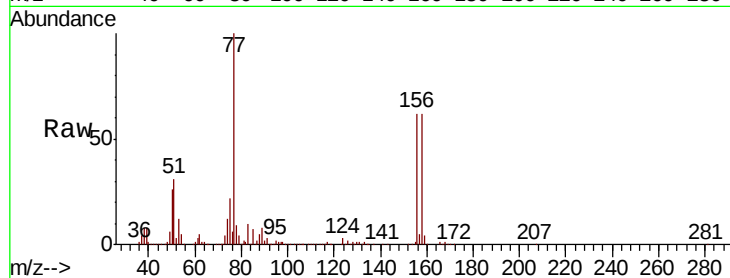
Tot Ion:156 Resp: 610679

Ion Ratio Lower Upper

156 100

77 184.3 93.5 280.4

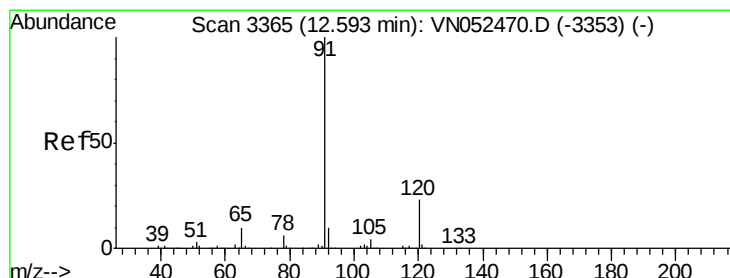
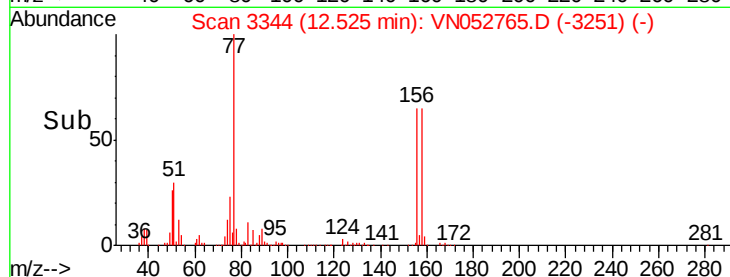
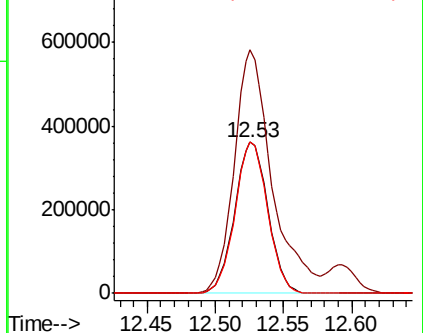
158 98.6 48.3 144.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.949 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052765.D

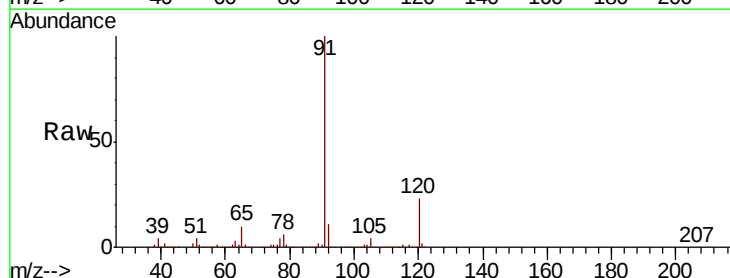
Acq: 10 Dec 2018 20:30

Tgt Ion: 91 Resp: 2778101

Ion Ratio Lower Upper

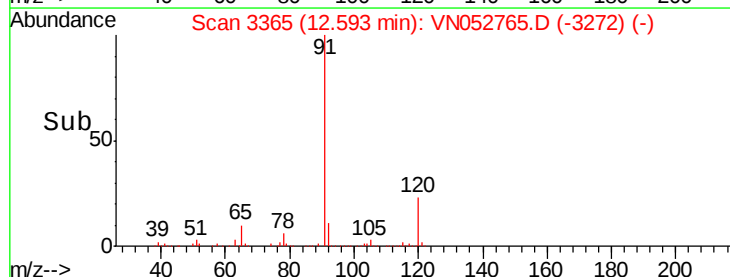
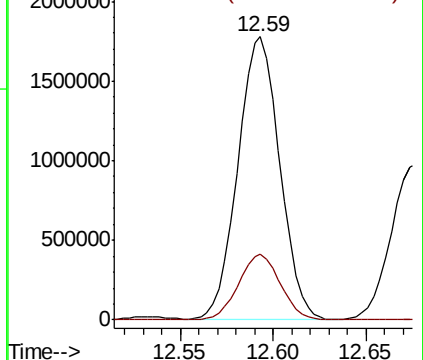
91 100

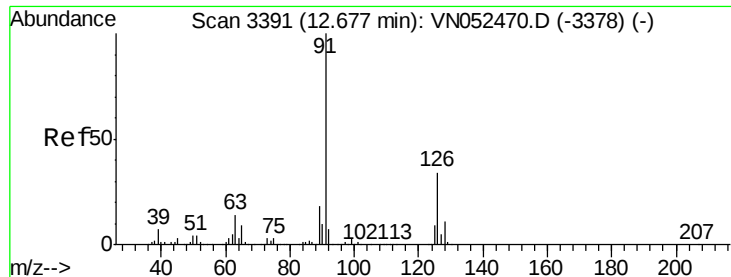
120 23.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.910 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

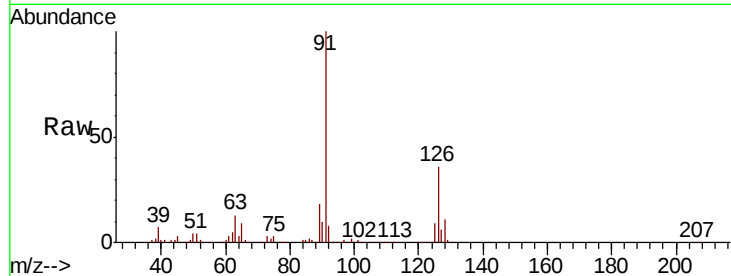
VSTDCCC050EC

Tot Ion: 91 Resp: 1618538

Ion Ratio Lower Upper

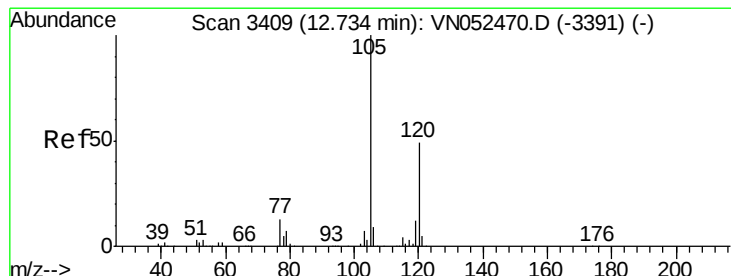
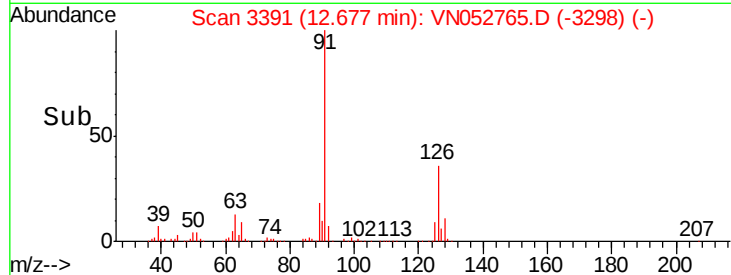
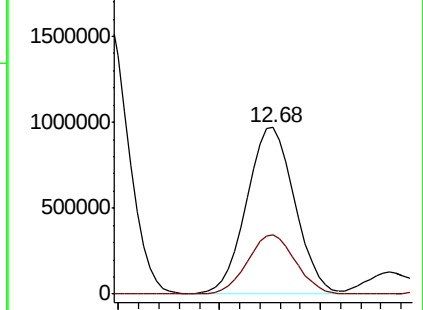
91 100

126 35.5 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN052765.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN052765.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.269 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052765.D

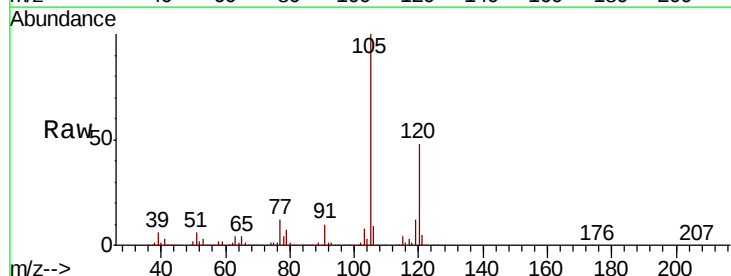
Acq: 10 Dec 2018 20:30

Tgt Ion: 105 Resp: 1963362

Ion Ratio Lower Upper

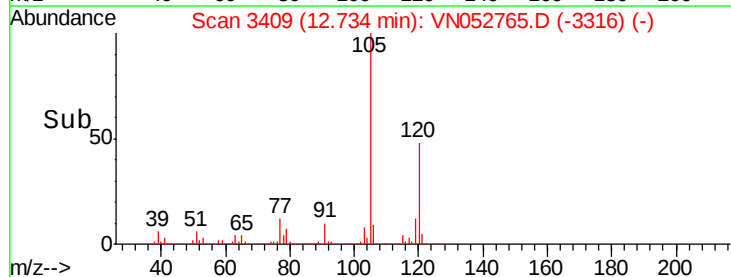
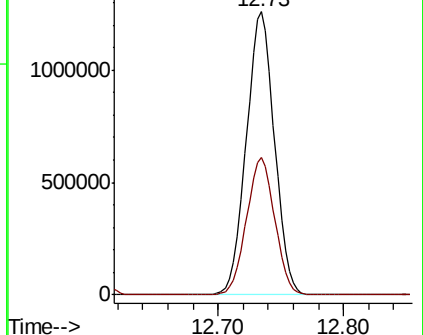
105 100

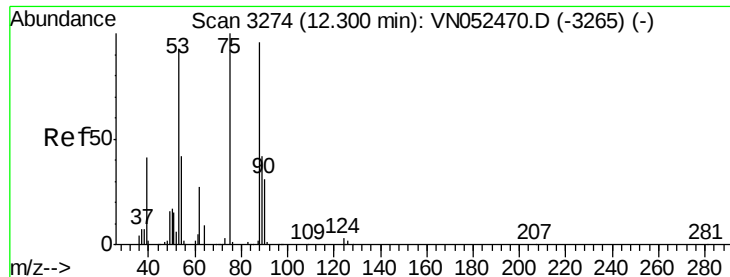
120 48.7 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052765.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN052765.D (-3409) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.922 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

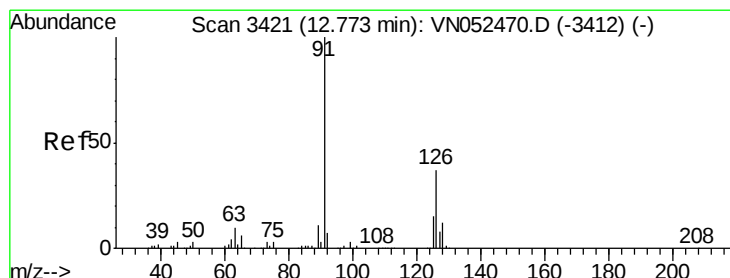
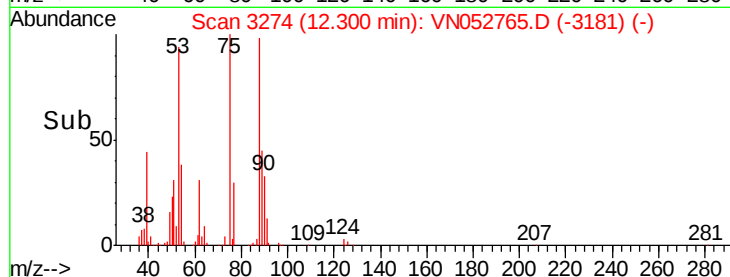
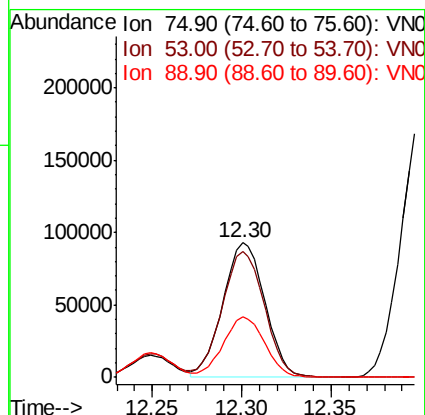
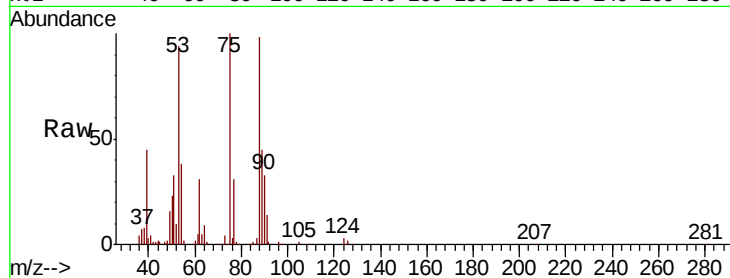
Tot Ion: 75 Resp: 152852

Ion Ratio Lower Upper

75 100

53 94.1 77.4 116.0

89 44.4 35.4 53.2



#82

4-Chlorotoluene

Concen: 48.032 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052765.D

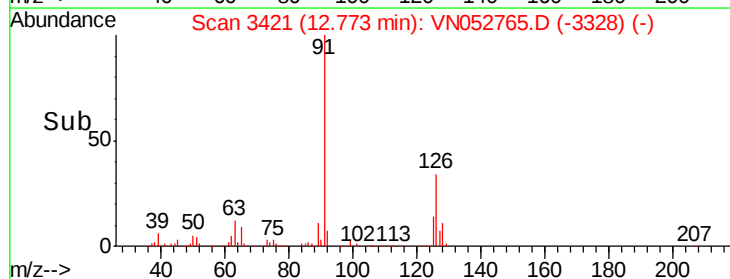
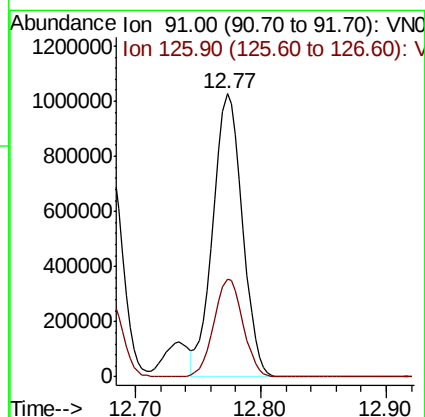
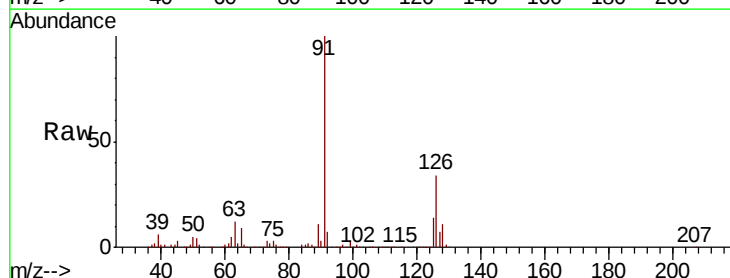
Acq: 10 Dec 2018 20:30

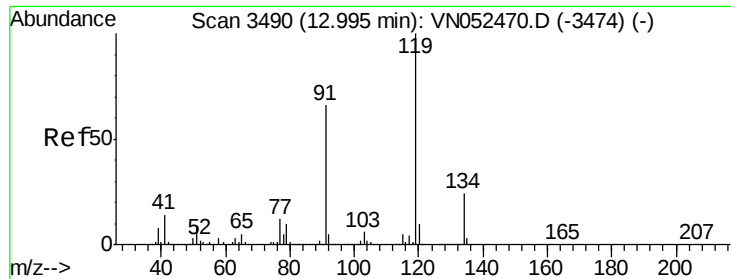
Tgt Ion: 91 Resp: 1670240

Ion Ratio Lower Upper

91 100

126 34.1 16.9 50.6

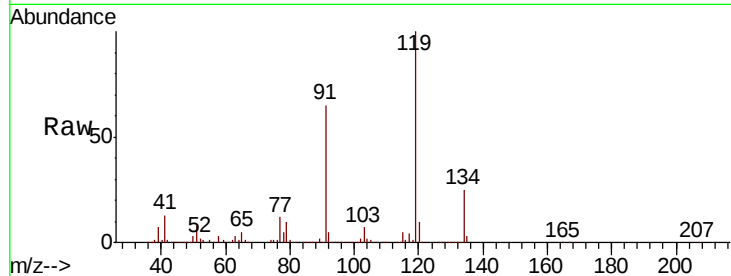




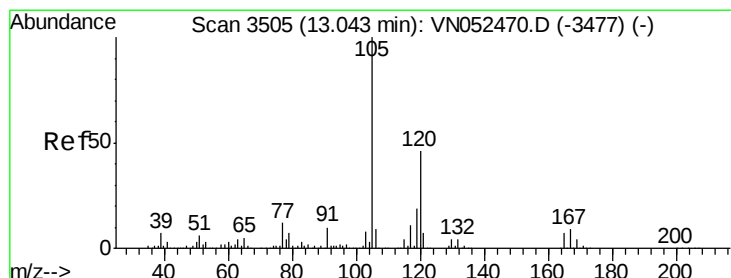
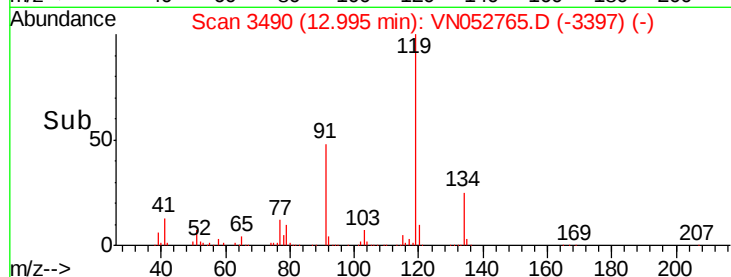
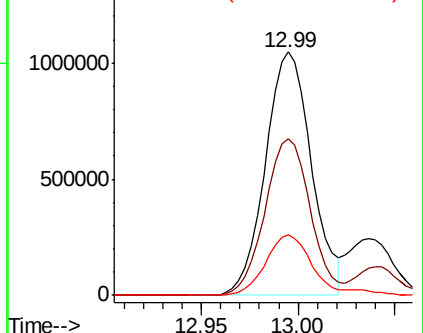
#83
 tert-Butylbenzene
 Concen: 47.765 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052765.D
 Acq: 10 Dec 2018 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 1732045
 Ion Ratio Lower Upper
 119 100
 91 63.7 32.3 96.9
 134 25.8 13.0 38.9

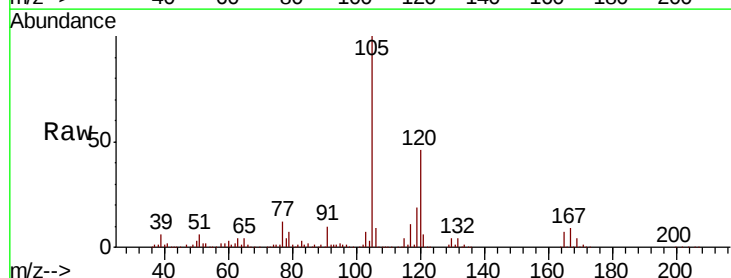


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

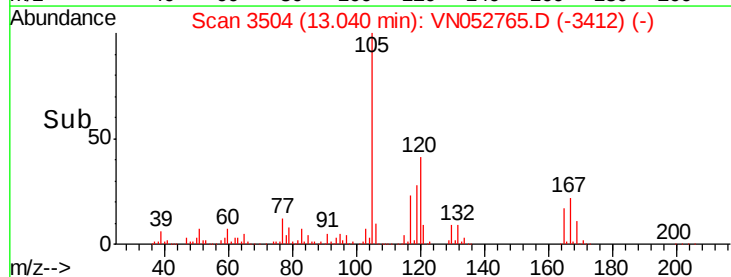
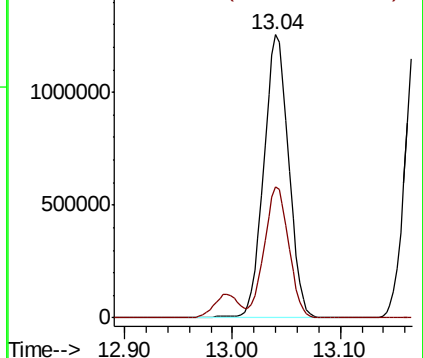


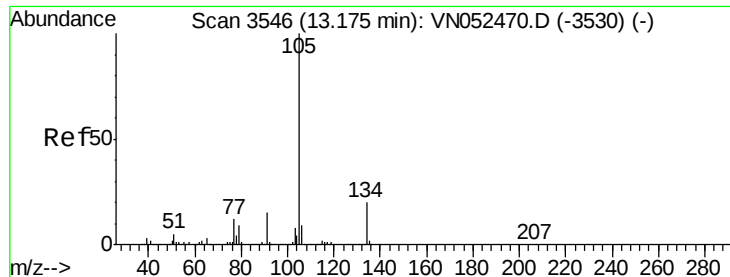
#84
 1,2,4-Trimethylbenzene
 Concen: 49.219 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052765.D
 Acq: 10 Dec 2018 20:30

Tgt Ion:105 Resp: 2006334
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.974 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

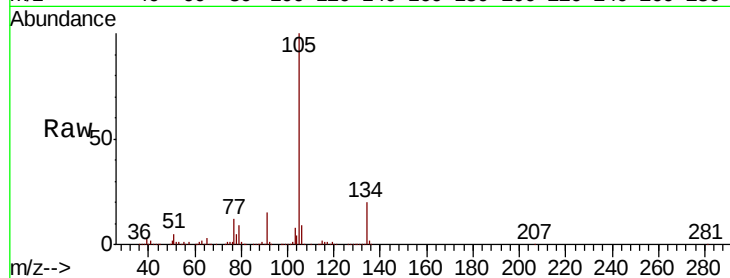
VSTDCCC050EC

Tot Ion:105 Resp: 2369413

Ion Ratio Lower Upper

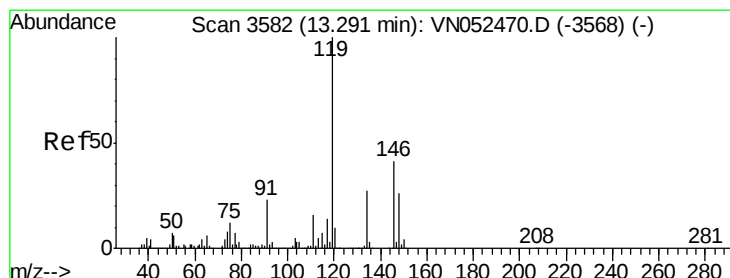
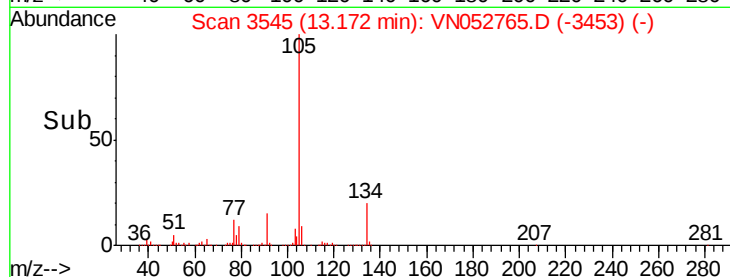
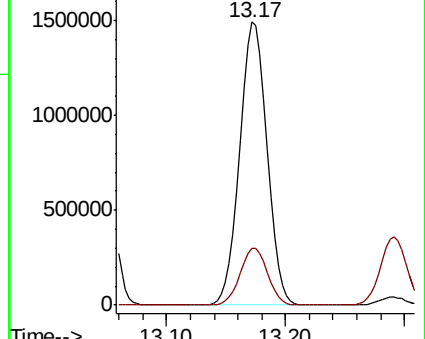
105 100

134 20.3 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.749 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

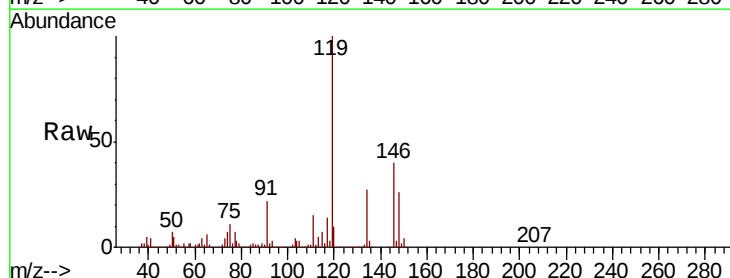
Tgt Ion:119 Resp: 2050714

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

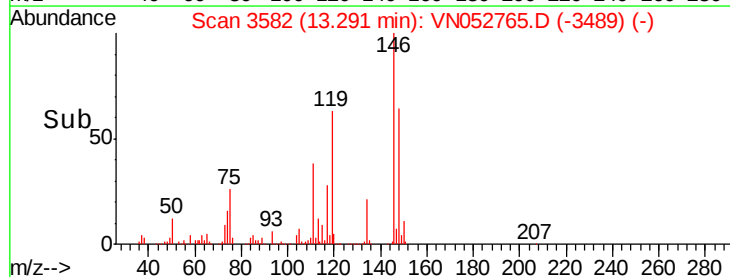
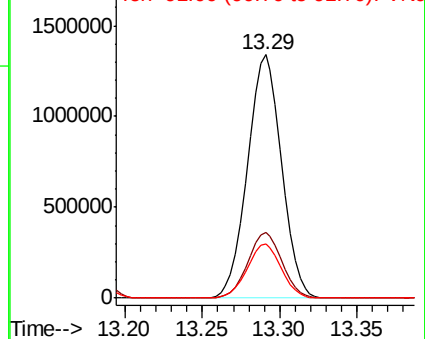
91 22.2 11.4 34.2

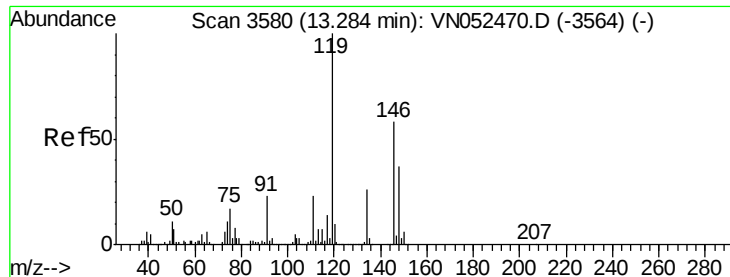


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.822 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

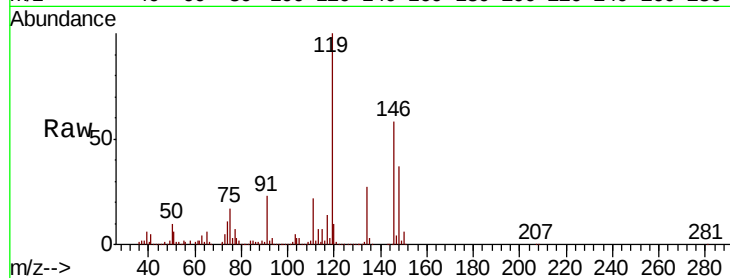
Tot Ion:146 Resp: 1098608

Ion Ratio Lower Upper

146 100

111 38.3 19.4 58.4

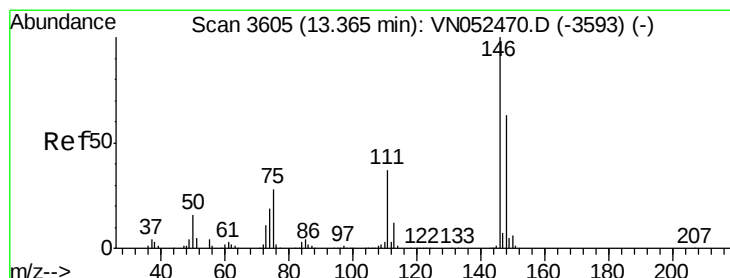
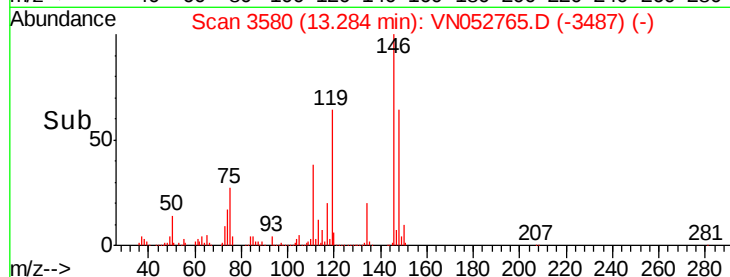
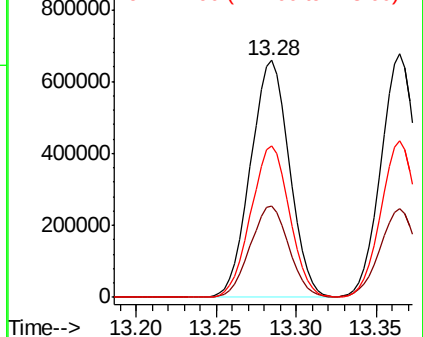
148 63.8 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.713 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

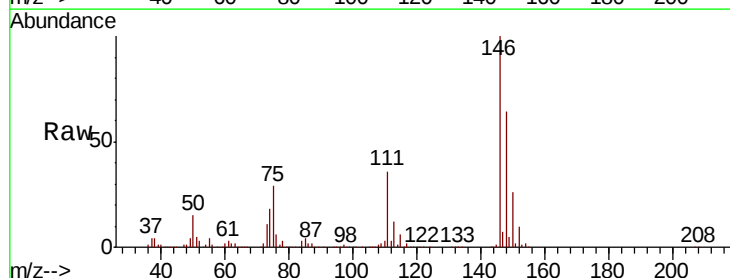
Tgt Ion:146 Resp: 1079753

Ion Ratio Lower Upper

146 100

111 37.1 18.6 56.0

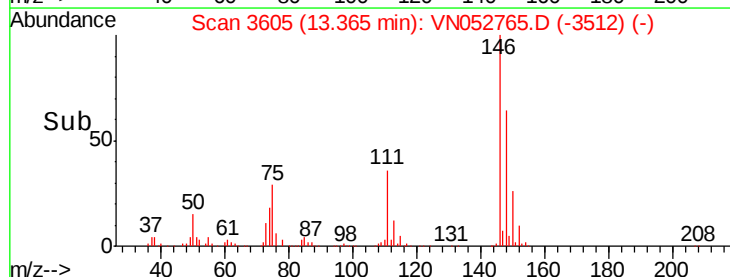
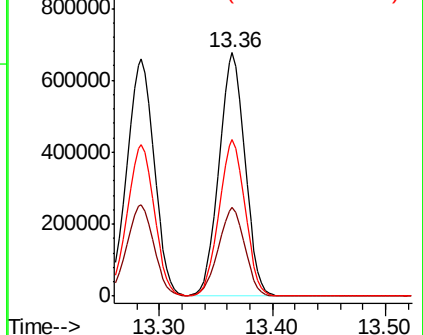
148 64.5 31.9 95.9

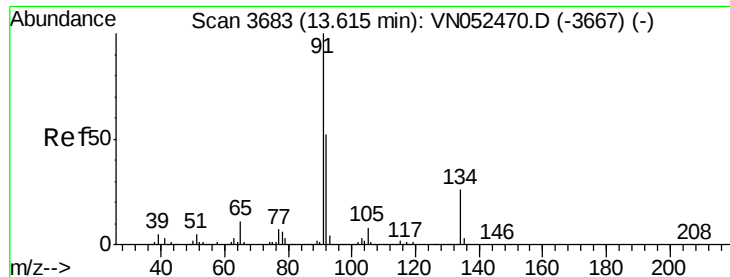


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 49.917 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

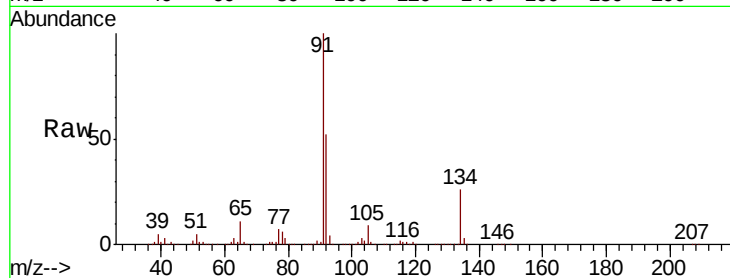
Tot Ion: 91 Resp: 1746347

Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.1	78.3
134	26.3	13.0	38.9

91 100

92 52.6 26.1 78.3

134 26.3 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052470.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052470.D (-3667) (-)

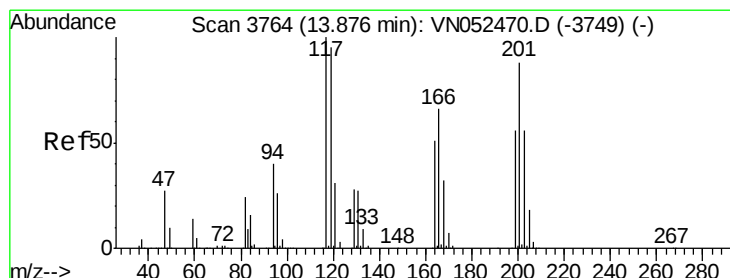
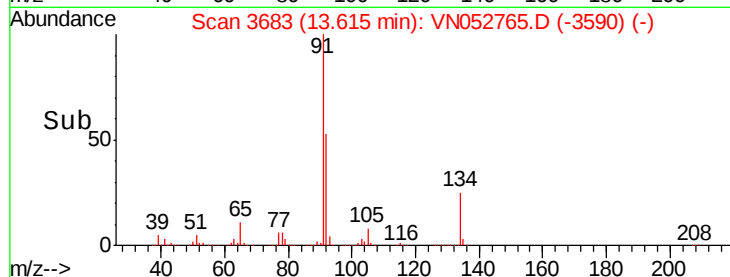
13.62

1000000

500000

0

Time-->



#90

Hexachloroethane

Concen: 47.884 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052765.D

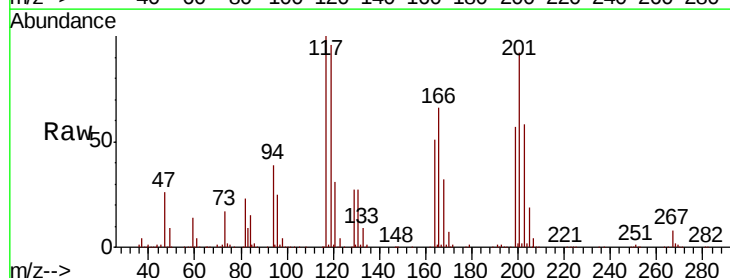
Acq: 10 Dec 2018 20:30

Tgt Ion: 117 Resp: 341068

Ion	Ratio	Lower	Upper
117	100		
201	91.1	43.6	130.9

117 100

201 91.1 43.6 130.9



Abundance Ion 116.80 (116.50 to 117.50): VN052470.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052470.D (-3749) (-)

13.88

200000

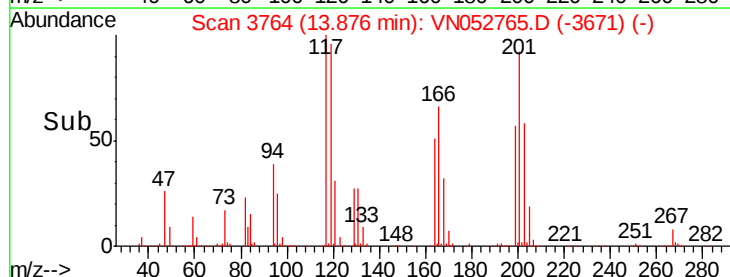
150000

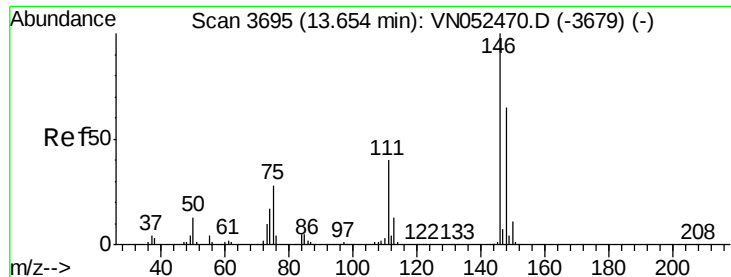
100000

50000

0

Time-->





#91

1,2-Dichlorobenzene

Concen: 50.361 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

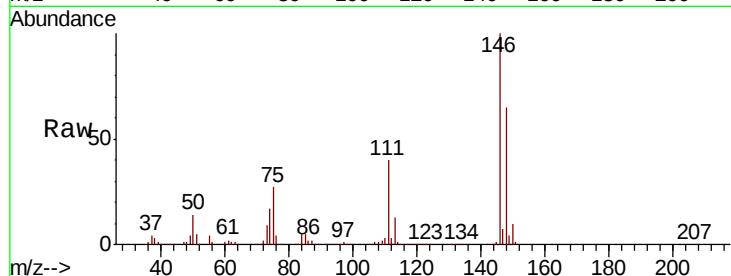
Tot Ion:146 Resp: 1060967

Ion Ratio Lower Upper

146 100

111 39.5 20.0 60.0

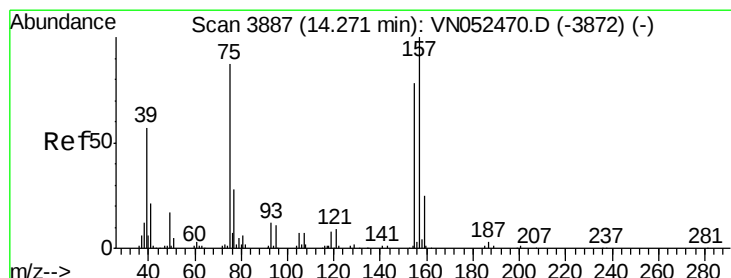
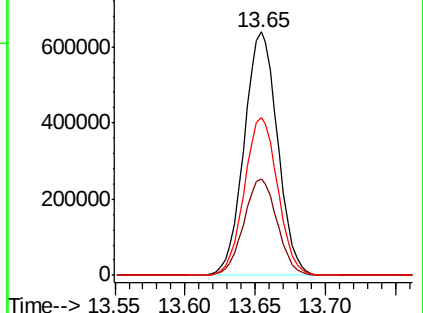
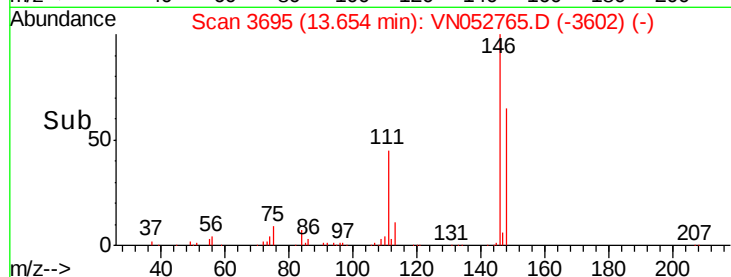
148 64.7 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.925 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

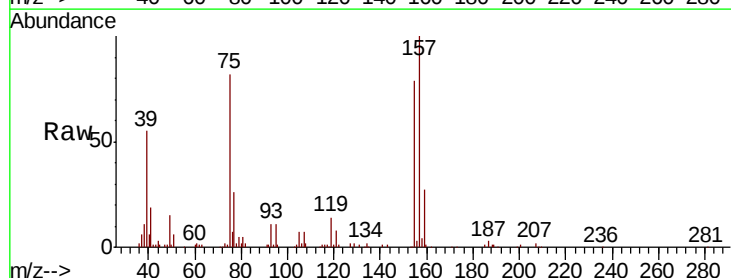
Tgt Ion: 75 Resp: 89476

Ion Ratio Lower Upper

75 100

155 94.0 45.3 135.9

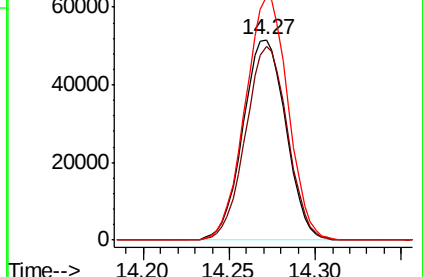
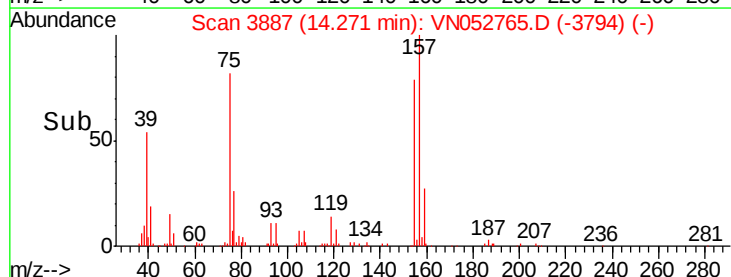
157 120.7 58.1 174.2



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 52.255 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

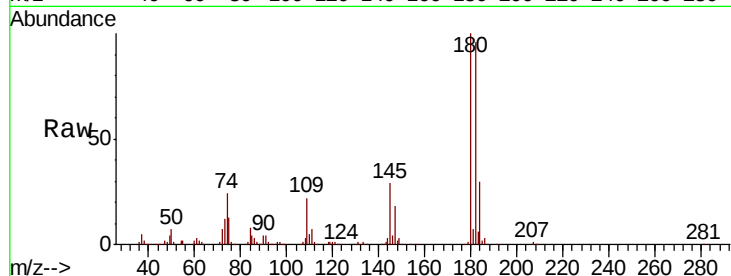
Tot Ion:180 Resp: 604615

Ion Ratio Lower Upper

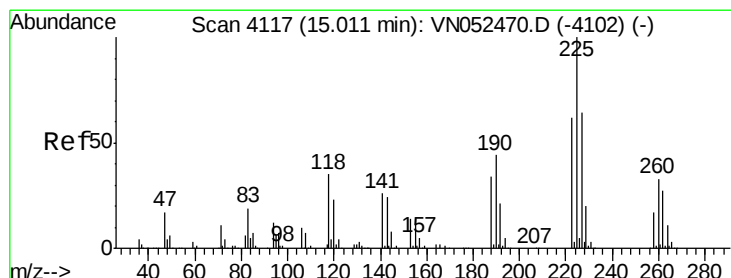
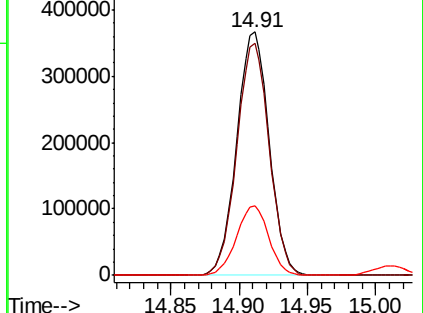
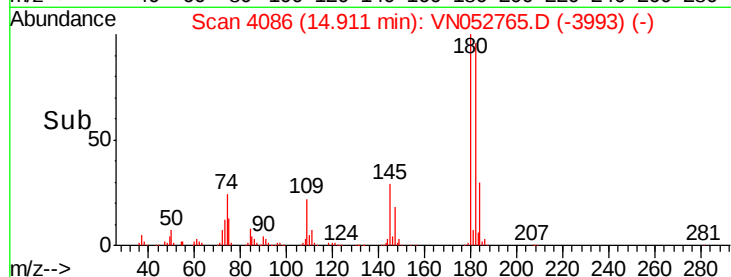
180 100

182 95.2 47.8 143.4

145 28.6 14.1 42.3



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



#94

Hexachlorobutadiene

Concen: 47.522 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

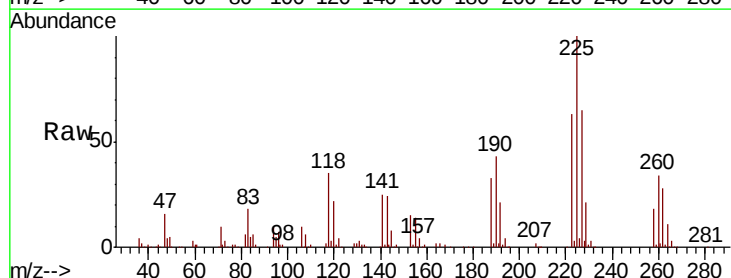
Tgt Ion:225 Resp: 322073

Ion Ratio Lower Upper

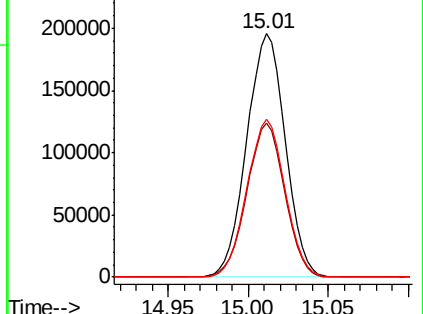
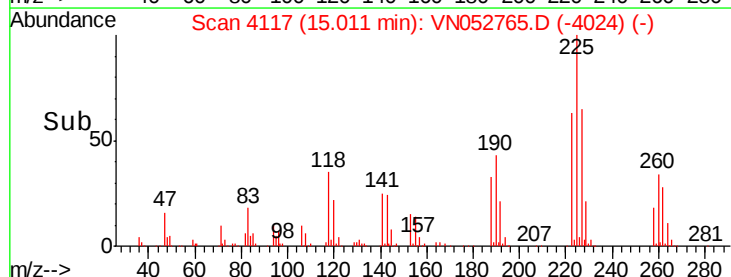
225 100

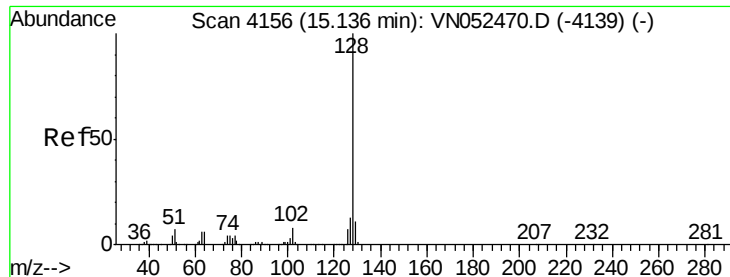
223 62.0 31.4 94.2

227 64.1 32.5 97.4



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





#95

Naphthalene

Concen: 53.203 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

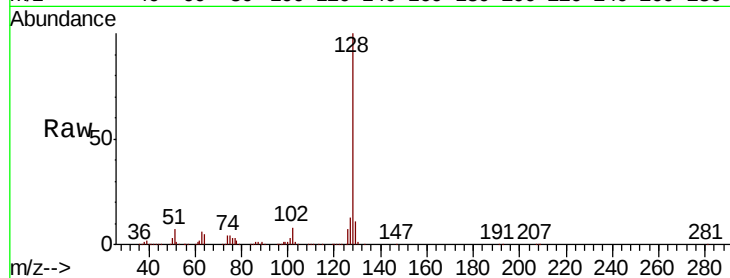
Tot Ion:128 Resp: 1307875

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

129 11.0 8.7 13.1

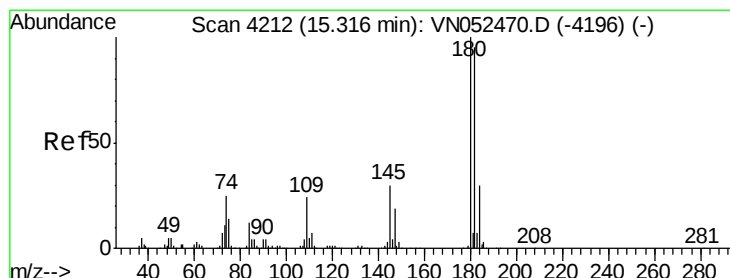
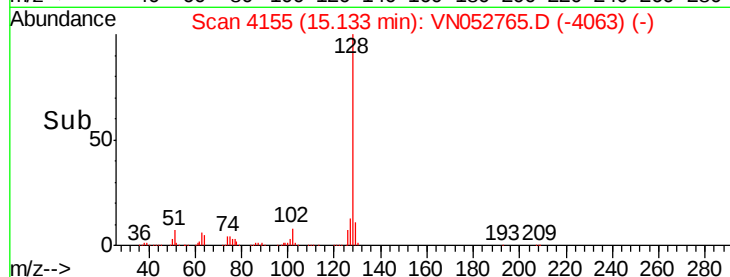
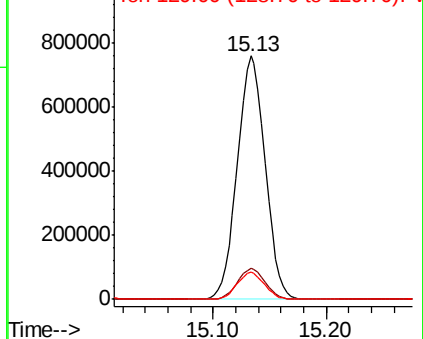


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.827 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

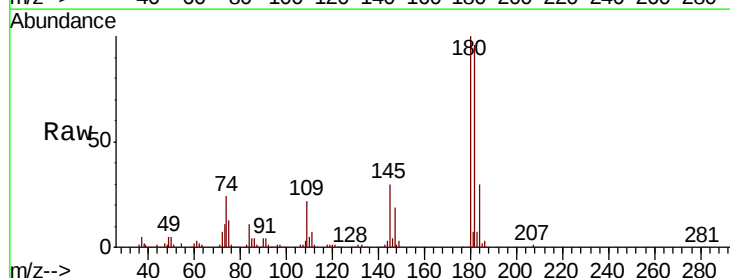
Tgt Ion:180 Resp: 551044

Ion Ratio Lower Upper

180 100

182 95.9 47.8 143.3

145 30.4 15.2 45.5



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

