

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052748.D
 Acq On : 10 Dec 2018 12:57
 Operator : MD\SY
 Sample : VN1210WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS02

Quant Time: Dec 11 01:21:03 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	963732	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1501950	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1315891	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	608368	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	541126	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
35) Dibromofluoromethane	7.59	113	409550	44.23	ug/l	0.00
Spiked Amount			Recovery	=	88.46%	
50) Toluene-d8	10.09	98	1857158	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
62) 4-Bromofluorobenzene	12.40	95	640918	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	146792	16.267	ug/l	99
3) Chloromethane	2.06	50	192554	16.166	ug/l	100
4) Vinyl Chloride	2.19	62	205510	16.796	ug/l	100
5) Bromomethane	2.58	94	116405	15.247	ug/l	98
6) Chloroethane	2.71	64	129475	17.469	ug/l	98
7) Trichlorofluoromethane	3.03	101	277460	18.460	ug/l	99
8) Diethyl Ether	3.41	74	109720	19.768	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	175697	18.734	ug/l	98
10) Methyl Iodide	3.96	142	195679	15.665	ug/l	98
11) Tert butyl alcohol	4.77	59	56519	107.589	ug/l #	90
12) 1,1-Dichloroethene	3.74	96	166465	18.440	ug/l	98
13) Acrolein	3.61	56	13978	15.310	ug/l	98
14) Allyl chloride	4.33	41	290114	18.646	ug/l	99
15) Acrylonitrile	4.99	53	333991	100.438	ug/l	98
16) Acetone	3.82	43	244735	88.425	ug/l	99
17) Carbon Disulfide	4.06	76	435024	15.313	ug/l	99
18) Methyl Acetate	4.33	43	167740	21.128	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	493272	20.537	ug/l	100
20) Methylene Chloride	4.55	84	199074	18.380	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	178984	18.564	ug/l	96
22) Diisopropyl ether	5.95	45	631724	19.329	ug/l	99
23) Vinyl Acetate	5.90	43	1853067	91.031	ug/l	98
24) 1,1-Dichloroethane	5.85	63	355558	19.054	ug/l	99
25) 2-Butanone	6.83	43	381306	97.199	ug/l	98
26) 2,2-Dichloropropane	6.83	77	261633	20.256	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	215056	19.148	ug/l	99
28) Bromochloromethane	7.20	49	169583	19.897	ug/l	93
29) Tetrahydrofuran	7.21	42	249114	98.453	ug/l	99
30) Chloroform	7.37	83	350415	18.822	ug/l	98
31) Cyclohexane	7.66	56	315870	17.249	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	288322	19.546	ug/l	99
36) 1,1-Dichloropropene	7.79	75	256953	18.117	ug/l	98
37) Ethyl Acetate	6.93	43	165870	19.162	ug/l	97
38) Carbon Tetrachloride	7.78	117	247842	19.303	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	300795	17.448	ug/l	98
40) Benzene	8.04	78	806577	19.082	ug/l	99
41) Methacrylonitrile	7.17	41	89491	18.911	ug/l	92
42) 1,2-Dichloroethane	8.12	62	249126	19.465	ug/l	100
43) Isopropyl Acetate	8.16	43	311764	21.283	ug/l	98
44) Trichloroethene	8.84	130	218252	20.158	ug/l	100
45) 1,2-Dichloropropane	9.12	63	220452	19.617	ug/l	98
46) Dibromomethane	9.21	93	125734	20.211	ug/l	97
47) Bromodichloromethane	9.40	83	271030	20.038	ug/l	99
48) Methyl methacrylate	9.20	41	151739	19.866	ug/l	98
49) 1,4-Dioxane	9.20	88	33374	421.011	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	847429	103.108	ug/l	98
52) Toluene	10.16	92	492136	19.596	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	261641	20.108	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	310806	19.932	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	183560	20.779	ug/l	98
56) Ethyl methacrylate	10.43	69	230853	20.499	ug/l	98
57) 1,3-Dichloropropane	10.71	76	313124	20.074	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	656777	102.460	ug/l	98
59) 2-Hexanone	10.75	43	581918	105.494	ug/l	98
60) Dibromochloromethane	10.90	129	195742	20.401	ug/l	100
61) 1,2-Dibromoethane	11.01	107	178155	20.305	ug/l	99
64) Tetrachloroethene	10.63	164	231502	22.691	ug/l	98
65) Chlorobenzene	11.43	112	548935	20.231	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	194626	20.629	ug/l	99
67) Ethyl Benzene	11.51	91	937486	19.730	ug/l	100
68) m/p-Xylenes	11.62	106	710034	40.140	ug/l	99
69) o-Xylene	11.95	106	350428	20.400	ug/l	99
70) Styrene	11.96	104	564262	20.624	ug/l	99
71) Bromoform	12.13	173	129498	20.730	ug/l #	97
73) Isopropylbenzene	12.25	105	931076	19.507	ug/l	99
74) N-amyl acetate	12.07	43	261944	21.723	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	205889	18.963	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	273748	29.180	ug/l #	100
77) Bromobenzene	12.53	156	236398	20.038	ug/l	98
78) n-propylbenzene	12.59	91	1059930	19.547	ug/l	99
79) 2-Chlorotoluene	12.68	91	632143	19.577	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	756258	19.867	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	56135	19.983	ug/l	99
82) 4-Chlorotoluene	12.77	91	635995	19.543	ug/l	99
83) tert-Butylbenzene	12.99	119	676404	19.931	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	760378	19.932	ug/l	100
85) sec-Butylbenzene	13.17	105	904045	19.558	ug/l	99
86) p-Isopropyltoluene	13.29	119	780487	19.825	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	413652	20.045	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	413627	20.349	ug/l	99
89) n-Butylbenzene	13.62	91	648953	19.820	ug/l	100
90) Hexachloroethane	13.88	117	127822	19.175	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	406299	20.607	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33233	21.401	ug/l	98

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Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration

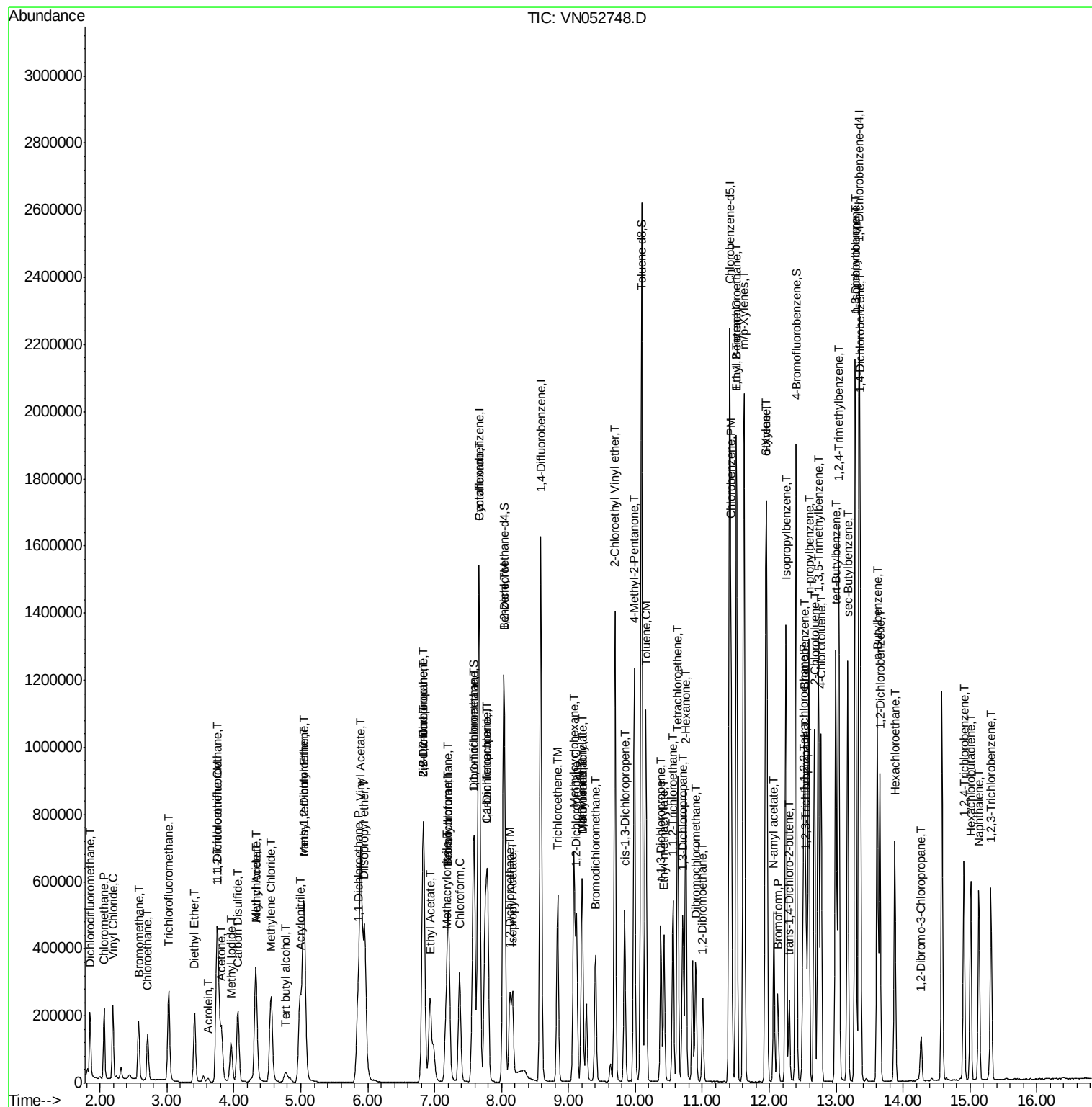
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	228300	22.771	ug/l	99
94) Hexachlorobutadiene	15.01	225	125313	19.757	ug/l	98
95) Naphthalene	15.13	128	495707	23.587	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	214983	23.195	ug/l	99

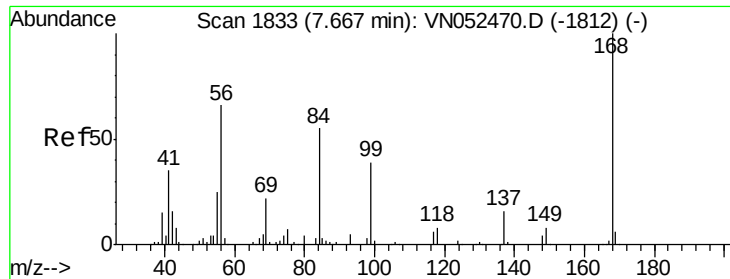
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

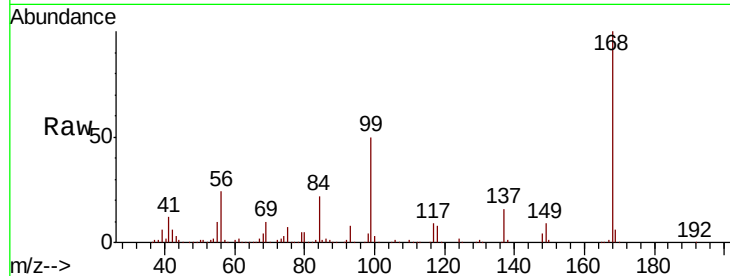
VN1210WBS02

Tot Ion:168 Resp: 963732

Ion Ratio Lower Upper

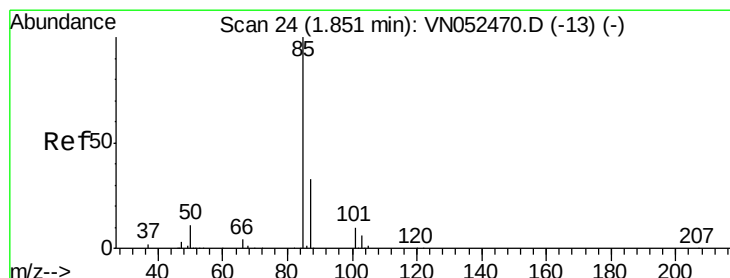
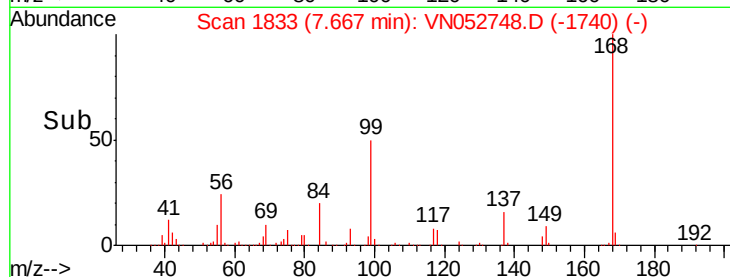
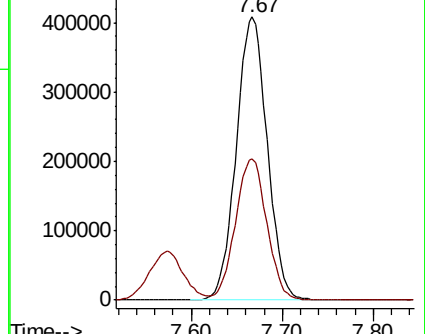
168 100

99 49.8 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC



#2

Dichlorodifluoromethane

Concen: 16.267 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052748.D

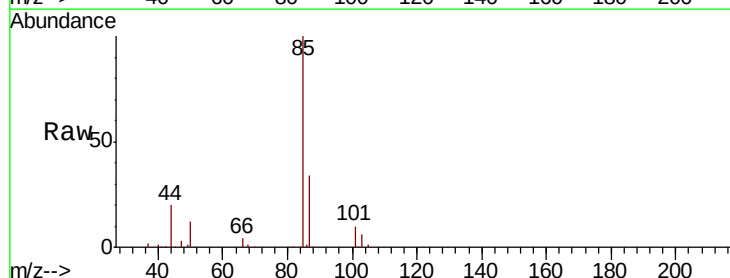
Acq: 10 Dec 2018 12:57

Tgt Ion: 85 Resp: 146792

Ion Ratio Lower Upper

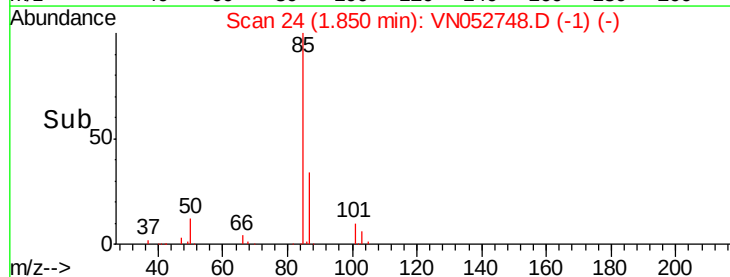
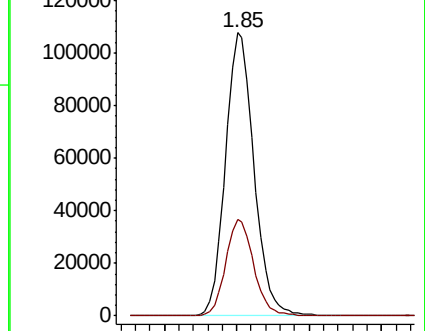
85 100

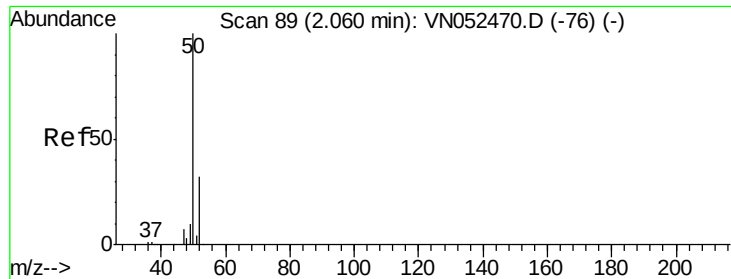
87 33.9 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC





#3

Chloromethane

Concen: 16.166 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

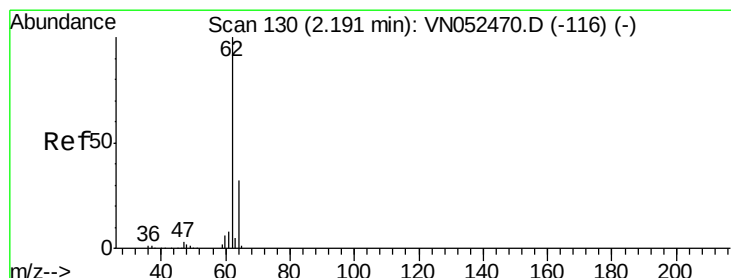
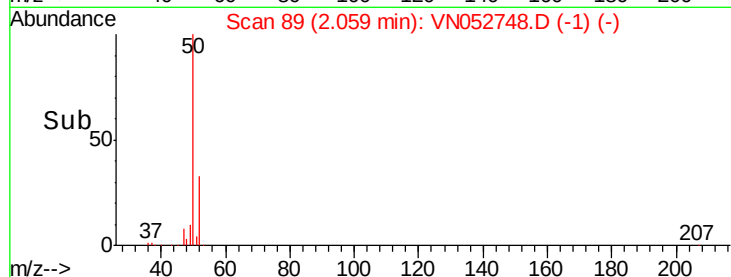
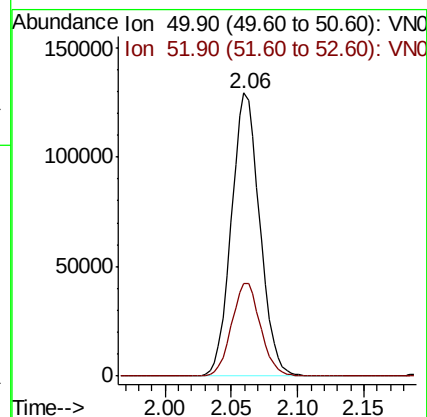
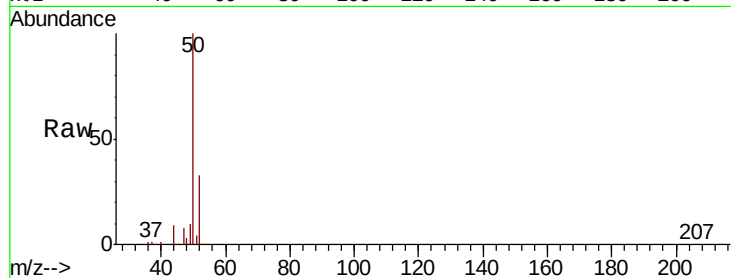
VN1210WBS02

Tot Ion: 50 Resp: 192554

Ion Ratio Lower Upper

50 100

52 32.6 25.9 38.9



#4

Vinyl Chloride

Concen: 16.796 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052748.D

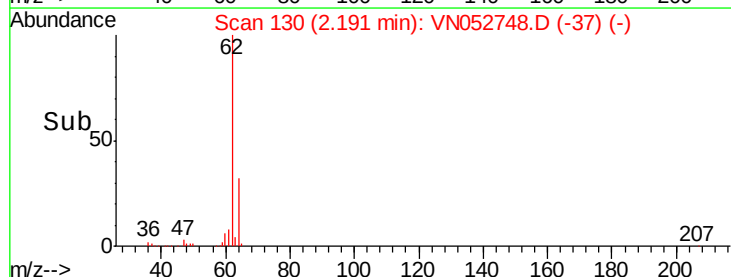
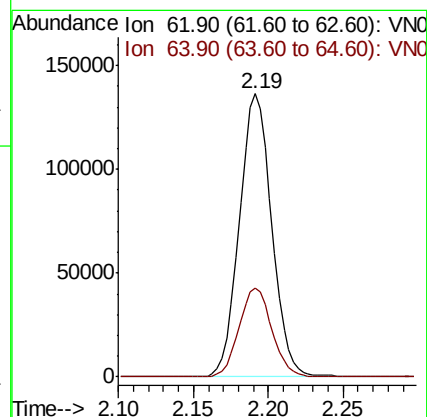
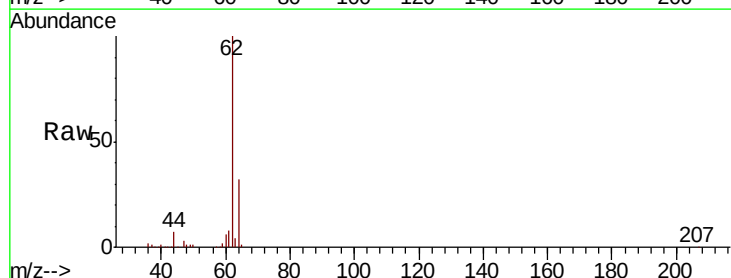
Acq: 10 Dec 2018 12:57

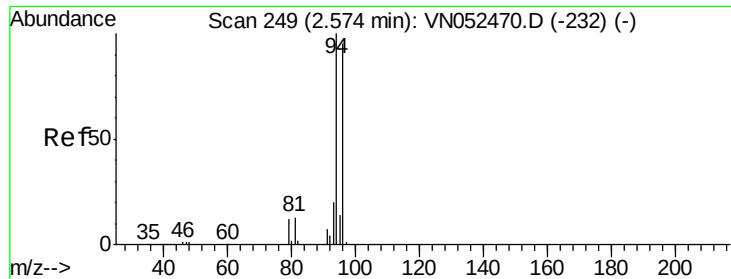
Tgt Ion: 62 Resp: 205510

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2





#5

Bromomethane

Concen: 15.247 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

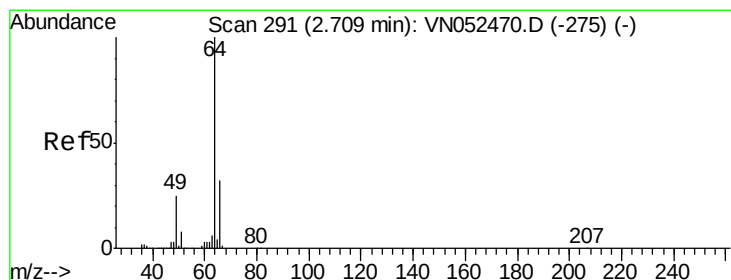
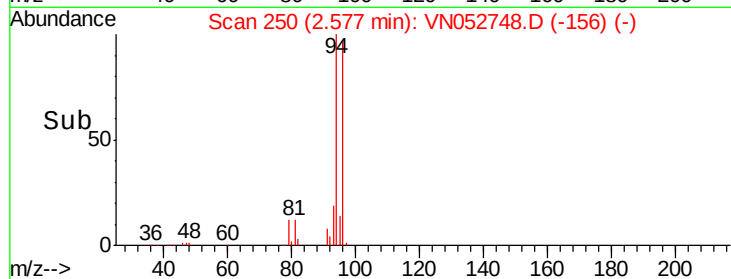
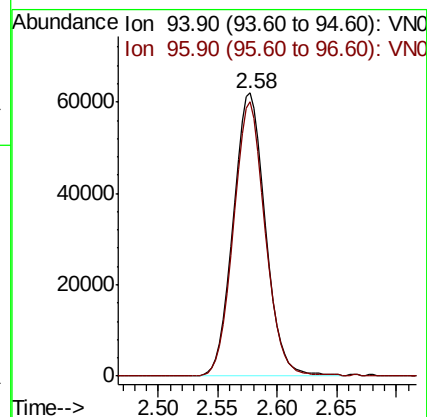
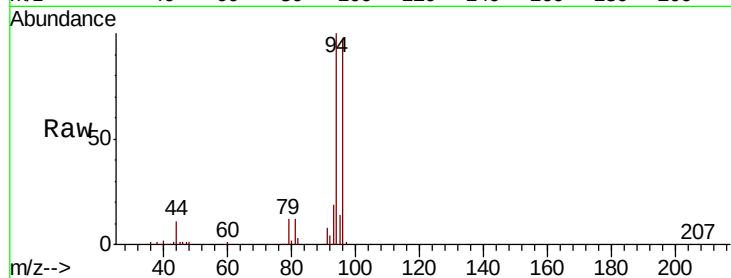
VN1210WBS02

Tot Ion: 94 Resp: 116405

Ion Ratio Lower Upper

94 100

96 97.1 75.8 113.8



#6

Chloroethane

Concen: 17.469 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052748.D

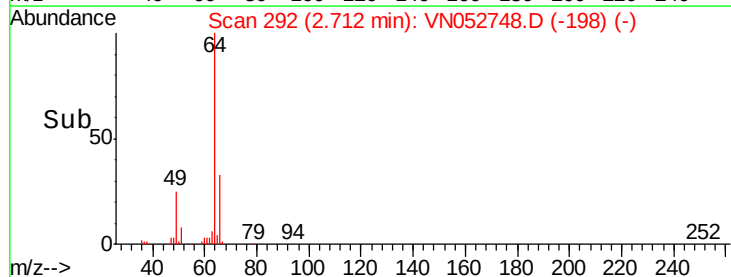
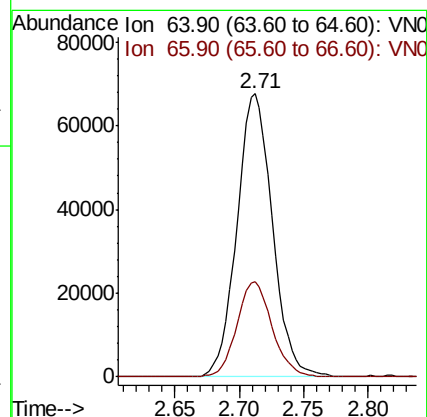
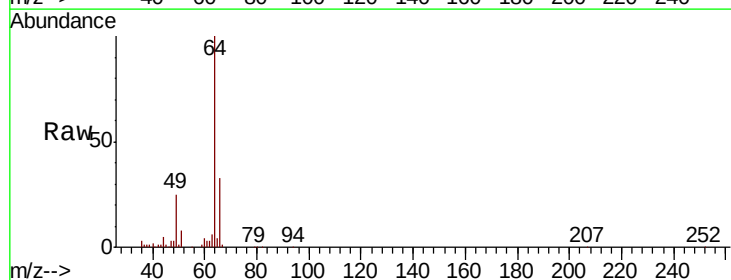
Acq: 10 Dec 2018 12:57

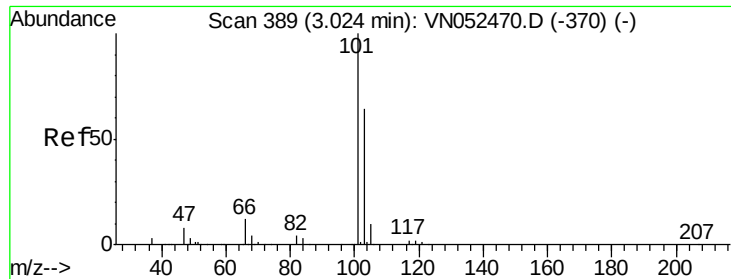
Tgt Ion: 64 Resp: 129475

Ion Ratio Lower Upper

64 100

66 33.4 25.7 38.5



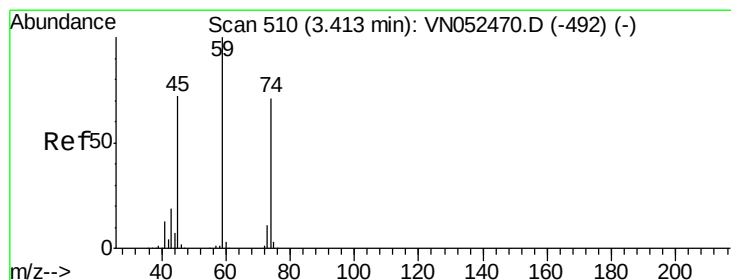
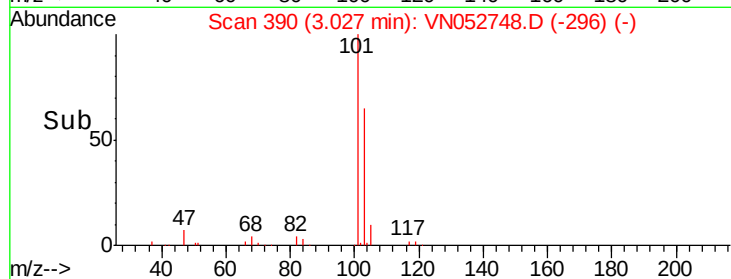
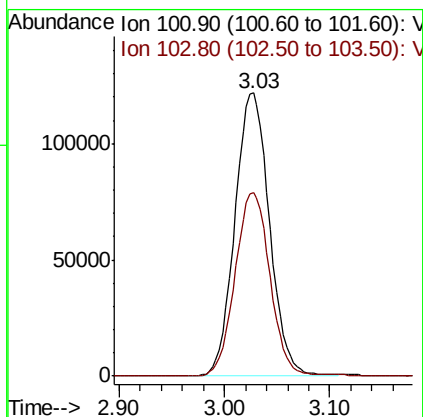
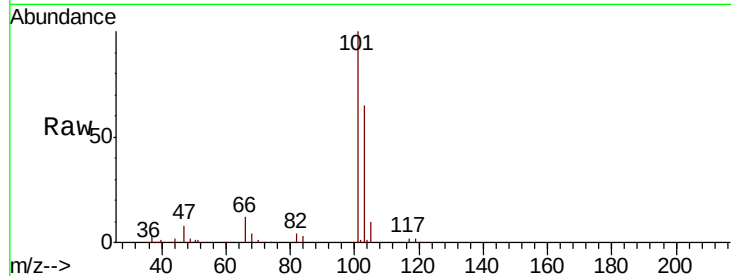


#7

Trichlorofluoromethane
 Concen: 18.460 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN1210WBS02

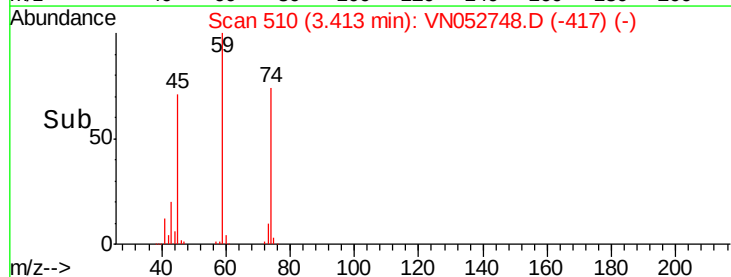
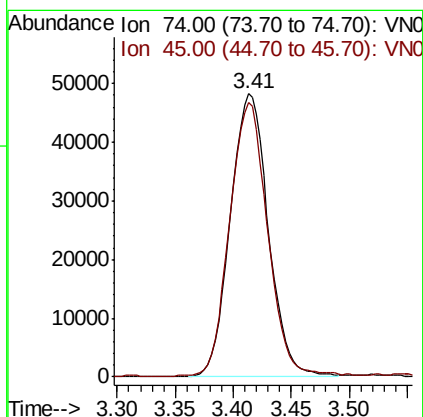
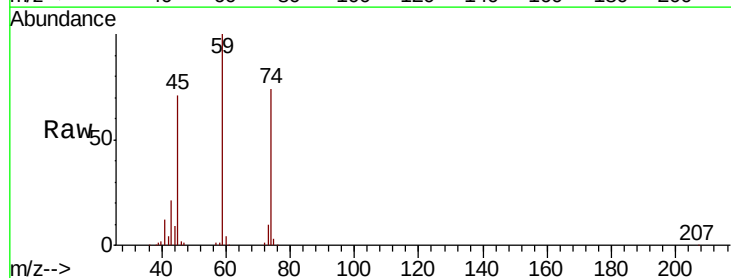
Tot Ion:101 Resp: 277460
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.4 77.2

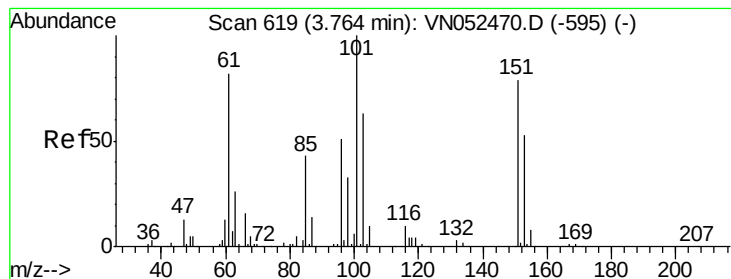


#8

Diethyl Ether
 Concen: 19.768 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Tgt Ion: 74 Resp: 109720
 Ion Ratio Lower Upper
 74 100
 45 97.6 50.4 151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.734 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS02

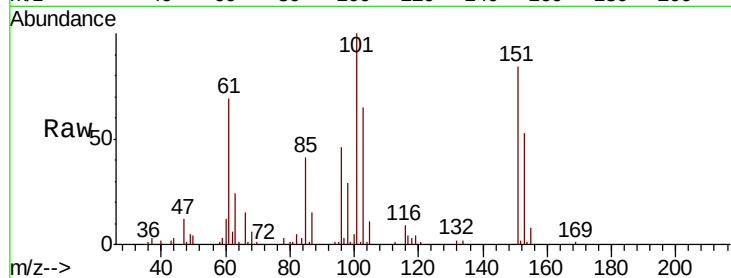
Tot Ion:101 Resp: 175697

Ion Ratio Lower Upper

101 100

85 41.8 34.2 51.4

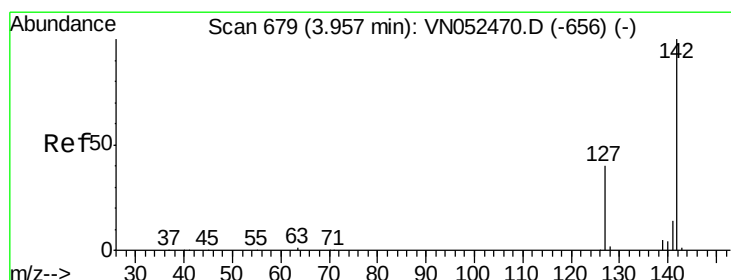
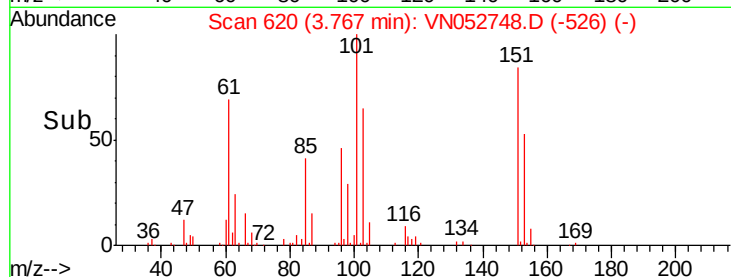
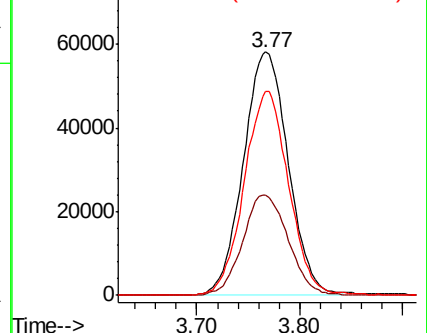
151 82.7 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.665 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

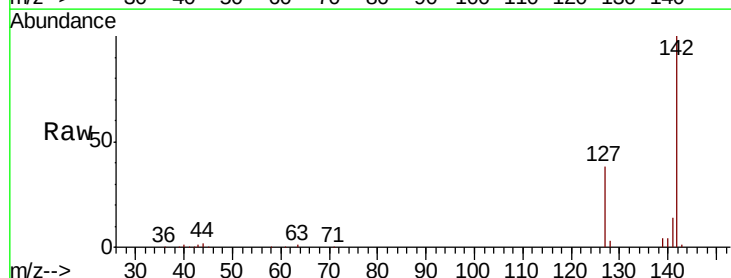
Tgt Ion:142 Resp: 195679

Ion Ratio Lower Upper

142 100

127 38.3 31.8 47.6

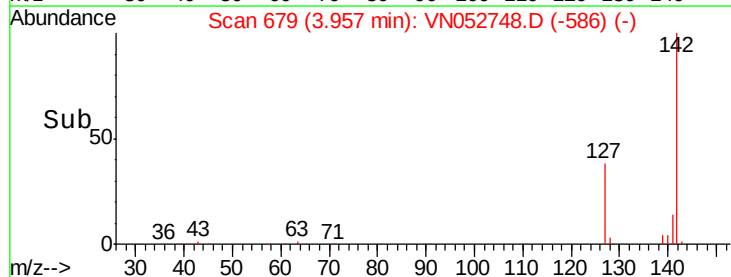
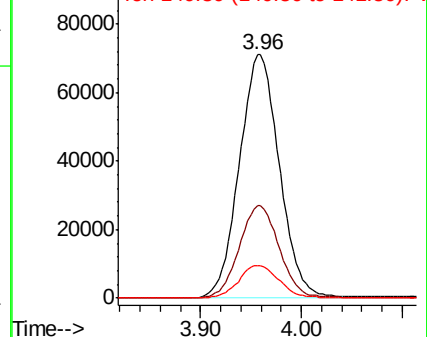
141 13.5 11.4 17.0

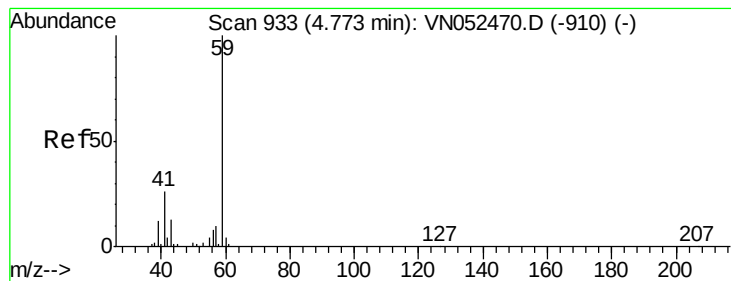


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



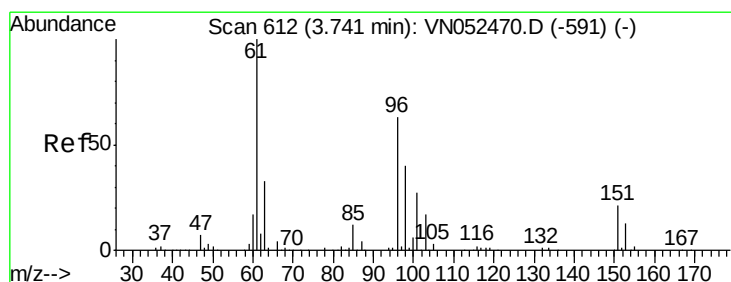
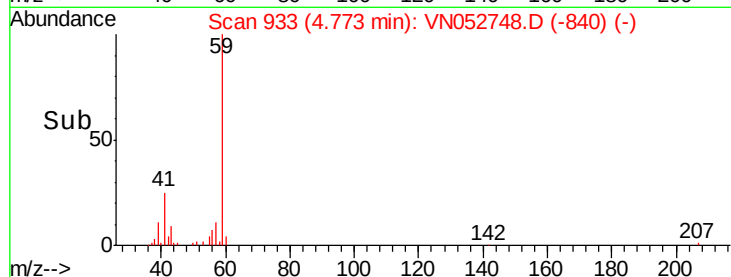
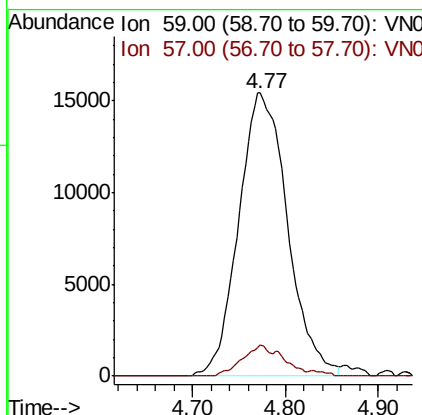
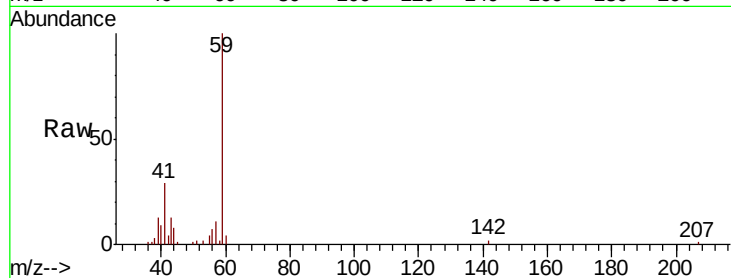


#11

Tert butyl alcohol
 Concen: 107.589 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. 0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS02

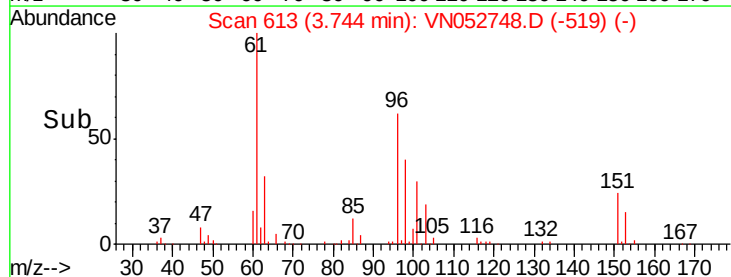
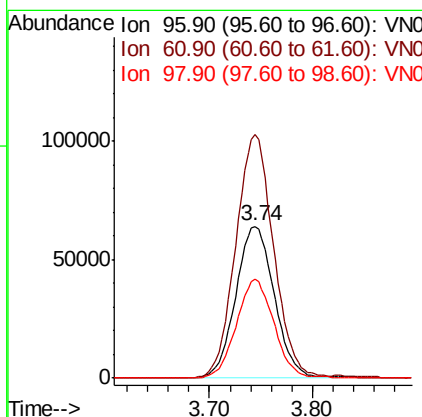
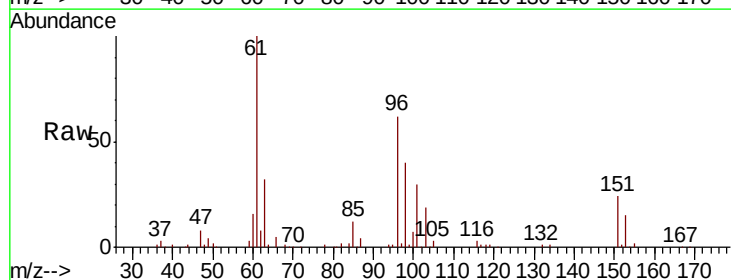
Tot Ion: 59 Resp: 56519
 Ion Ratio Lower Upper
 59 100
 57 6.2 7.9 11.9#

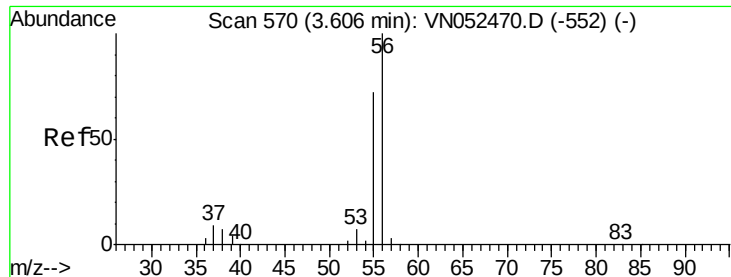


#12

1,1-Dichloroethene
 Concen: 18.440 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Tgt Ion: 96 Resp: 166465
 Ion Ratio Lower Upper
 96 100
 61 160.6 127.0 190.6
 98 64.9 50.3 75.5





#13

Acrolein

Concen: 15.310 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

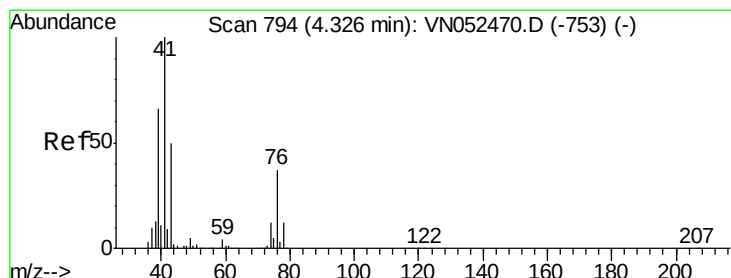
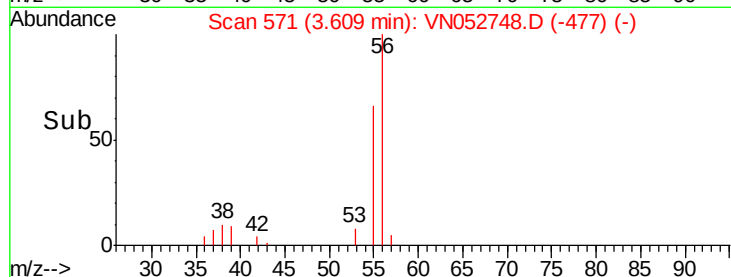
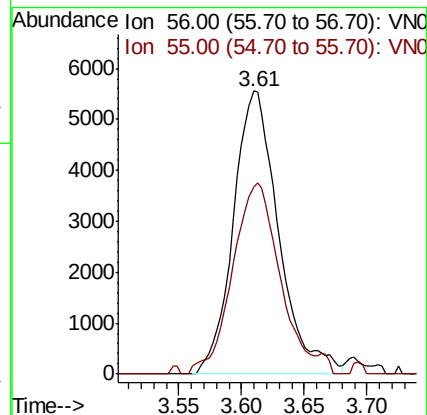
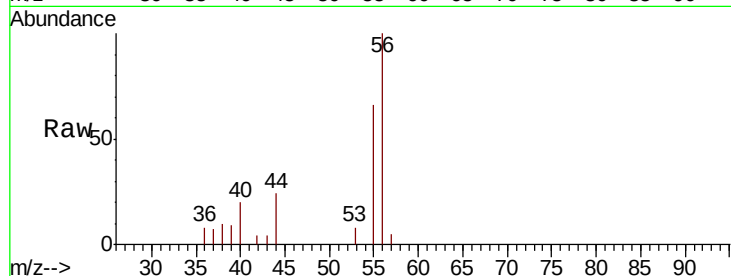
VN1210WBS02

Tot Ion: 56 Resp: 13978

Ion Ratio Lower Upper

56 100

55 69.6 56.8 85.2



#14

Allyl chloride

Concen: 18.646 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

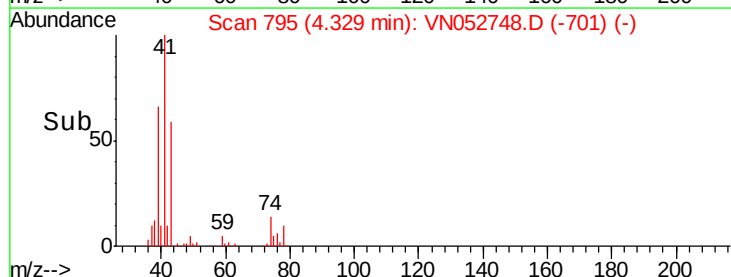
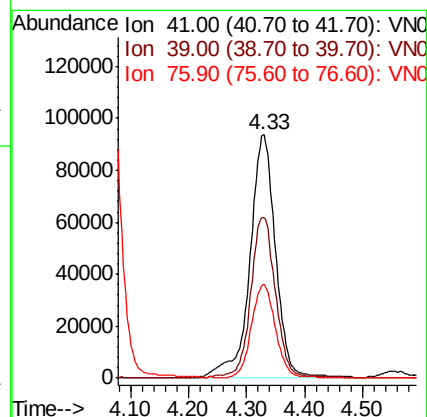
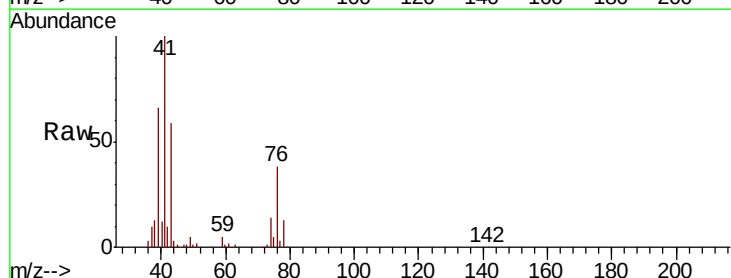
Tgt Ion: 41 Resp: 290114

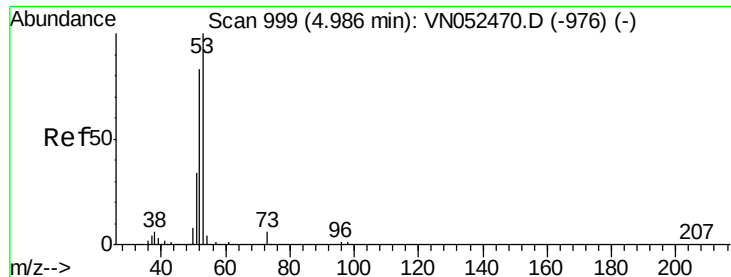
Ion Ratio Lower Upper

41 100

39 63.4 50.6 76.0

76 35.1 27.4 41.2





#15

Acrylonitrile

Concen: 100.438 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS02

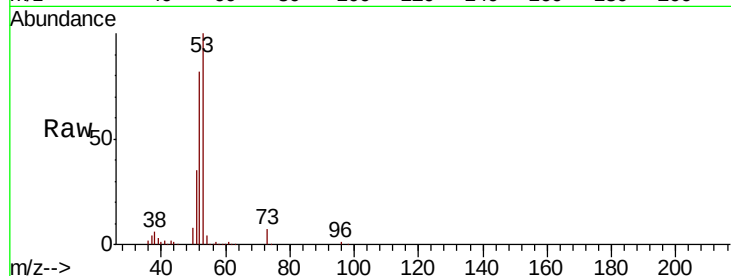
Tot Ion: 53 Resp: 333991

Ion Ratio Lower Upper

53 100

52 80.8 66.2 99.2

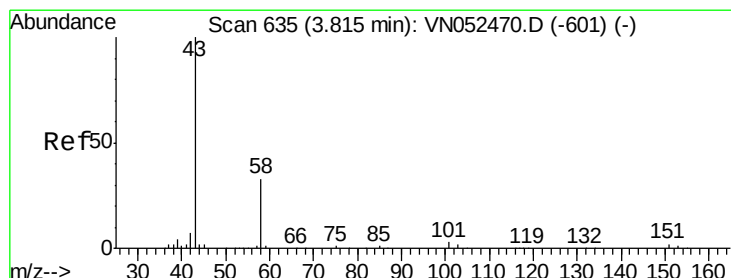
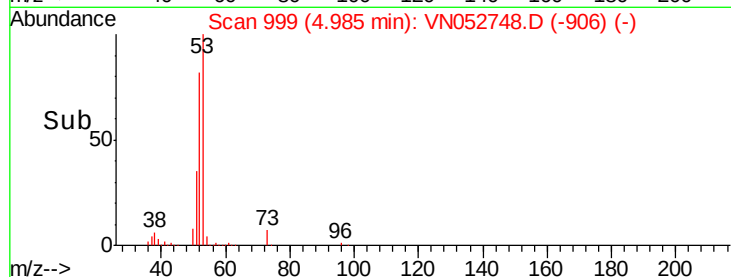
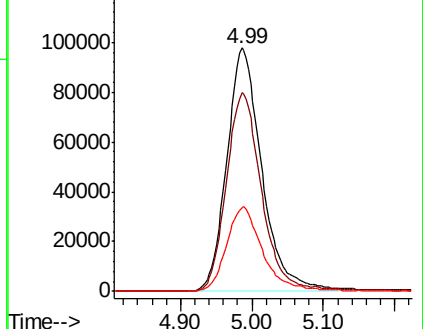
51 35.6 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 88.425 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052748.D

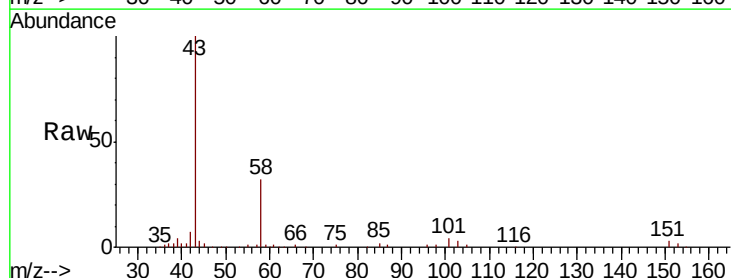
Acq: 10 Dec 2018 12:57

Tgt Ion: 43 Resp: 244735

Ion Ratio Lower Upper

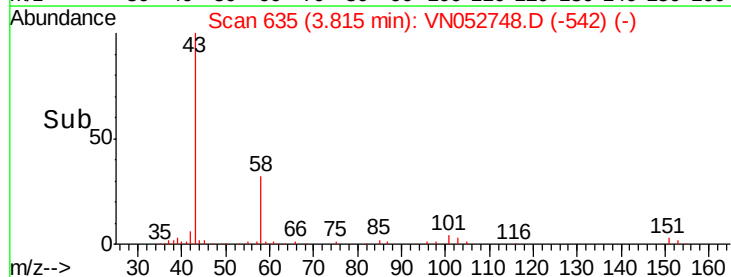
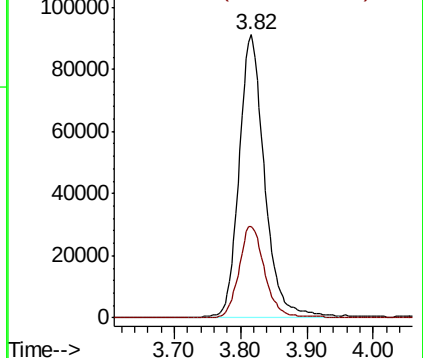
43 100

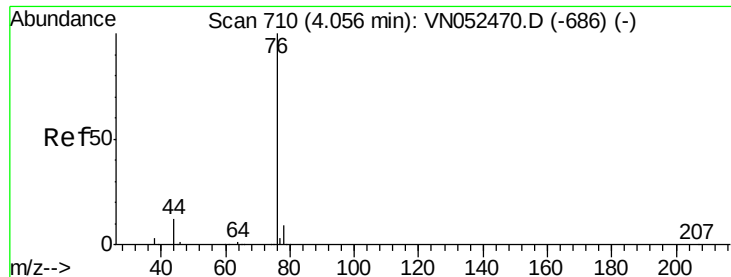
58 32.1 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 15.313 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

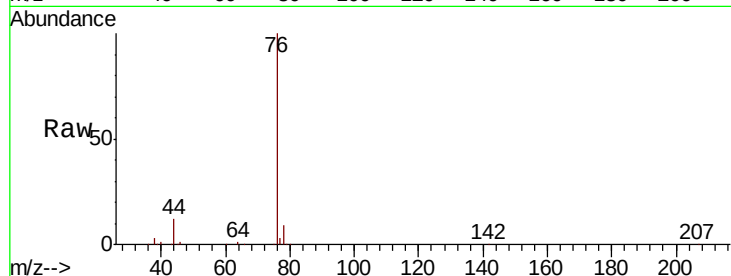
VN1210WBS02

Tot Ion: 76 Resp: 435024

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN052748.D (-617) (-)

Ion 77.90 (77.60 to 78.60): VN052748.D (-617) (-)

4.06

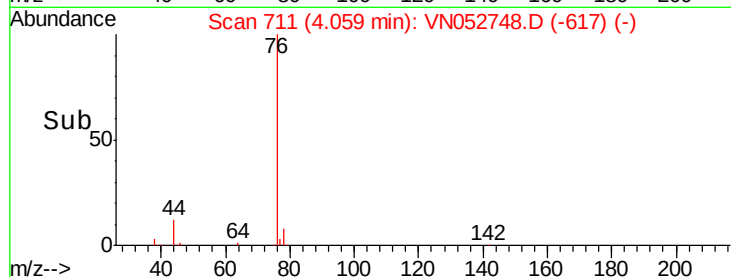
150000

100000

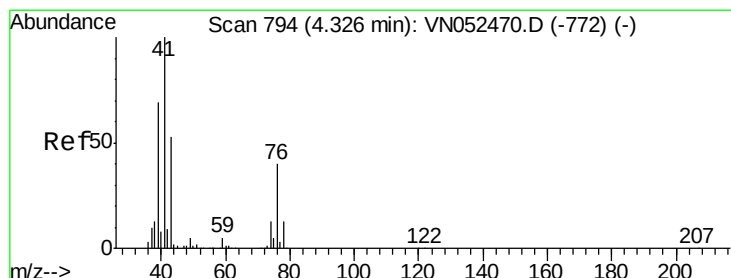
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 21.128 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052748.D

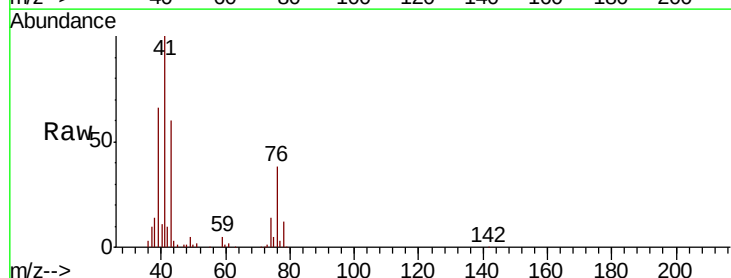
Acq: 10 Dec 2018 12:57

Tgt Ion: 43 Resp: 167740

Ion Ratio Lower Upper

43 100

74 23.6 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN052748.D (-701) (-)

Ion 74.00 (73.70 to 74.70): VN052748.D (-701) (-)

4.33

60000

50000

40000

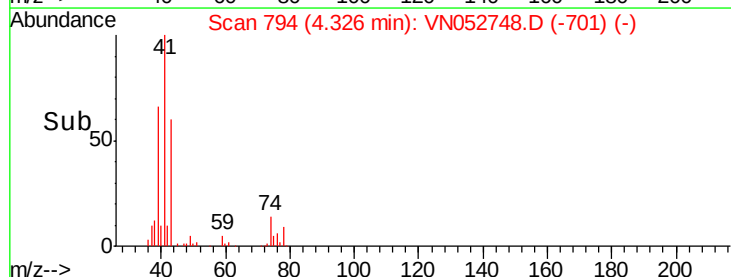
30000

20000

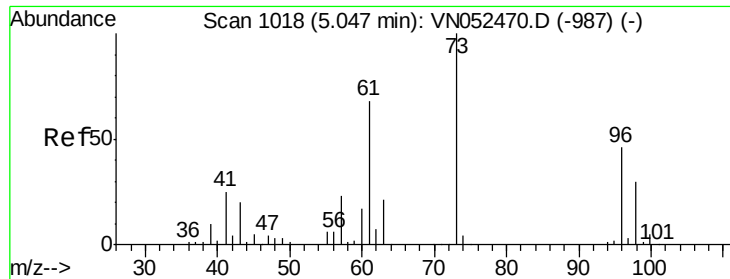
10000

0

Time-->



Time-->



#19

Methyl tert-butyl Ether

Concen: 20.537 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

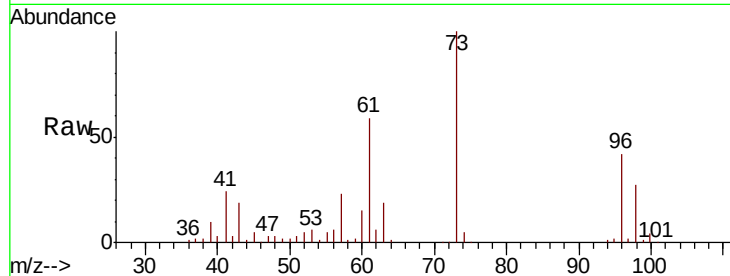
VN1210WBS02

Tot Ion: 73 Resp: 493272

Ion Ratio Lower Upper

73 100

57 22.7 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VN052748.D (-925) (-)

Ion 57.00 (56.70 to 57.70): VN052748.D (-925) (-)

5.05

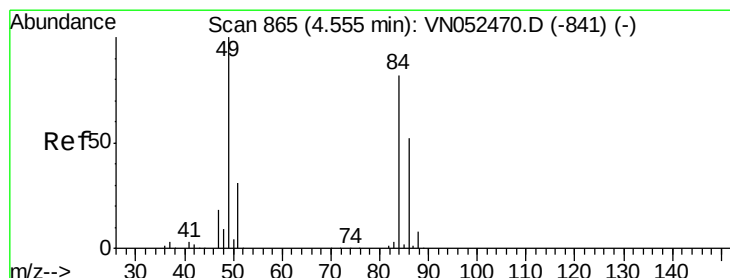
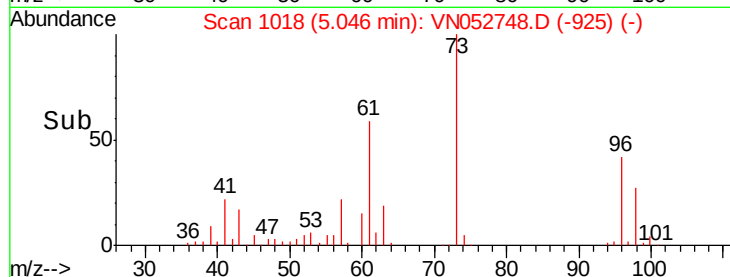
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 18.380 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Tgt Ion: 84 Resp: 199074

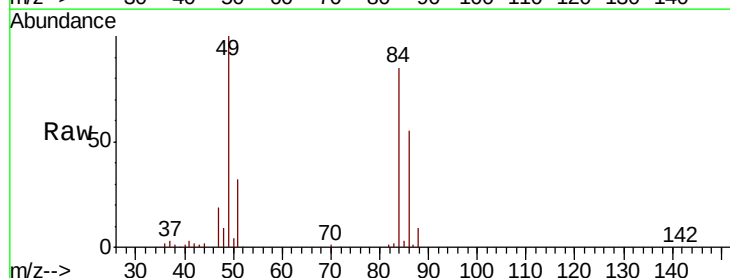
Ion Ratio Lower Upper

84 100

49 117.3 98.0 147.0

51 37.3 30.1 45.1

86 64.4 50.7 76.1



Abundance Ion 83.90 (83.60 to 84.60): VN052748.D (-772) (-)

Ion 48.90 (48.60 to 49.60): VN052748.D (-772) (-)

Ion 50.90 (50.60 to 51.60): VN052748.D (-772) (-)

Ion 85.90 (85.60 to 86.60): VN052748.D (-772) (-)

120000

100000

80000

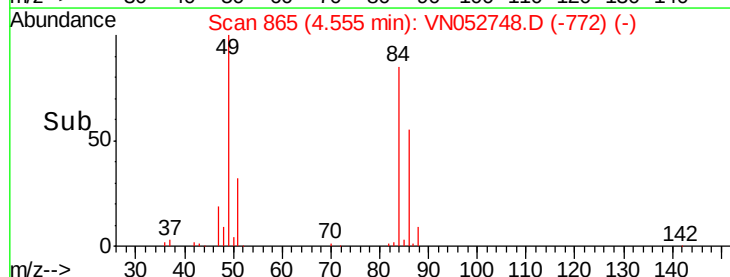
60000

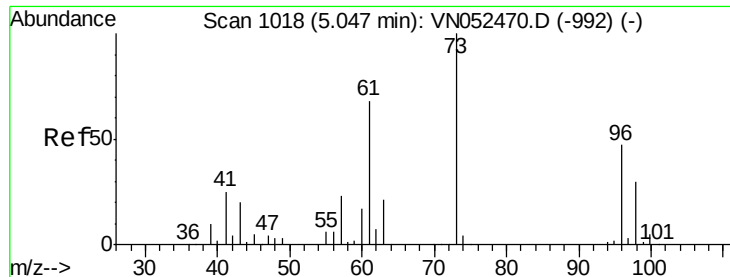
40000

20000

0

Time-->

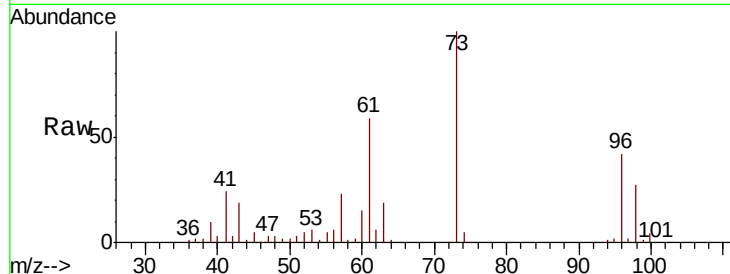




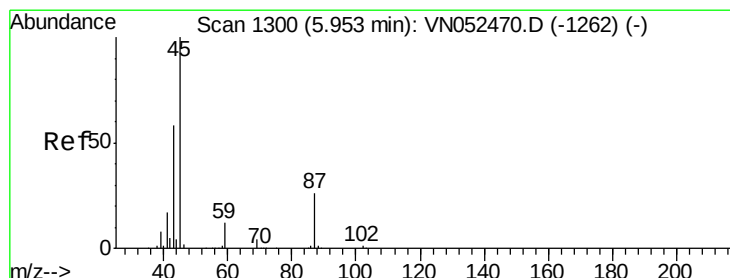
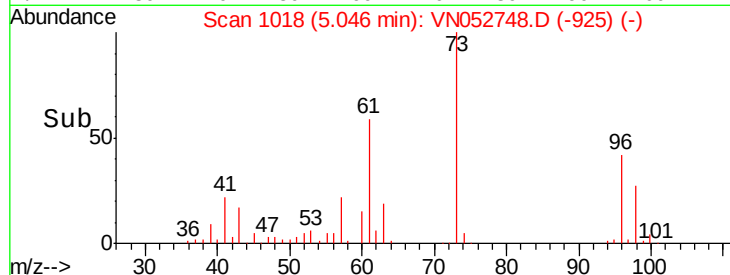
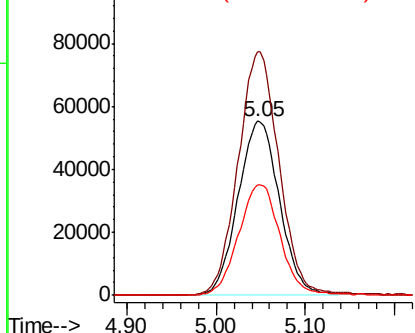
#21
trans-1,2-Dichloroethene
Concen: 18.564 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Instrument :
MSVOA_N
ClientSampled :
VN1210WBS02

Tot Ion: 96 Resp: 178984
Ion Ratio Lower Upper
96 100
61 139.7 117.0 175.4
98 63.3 51.8 77.6

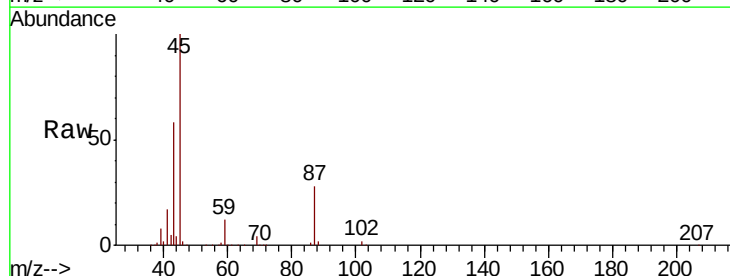


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

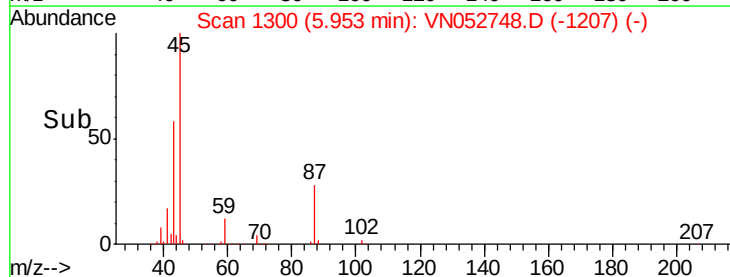
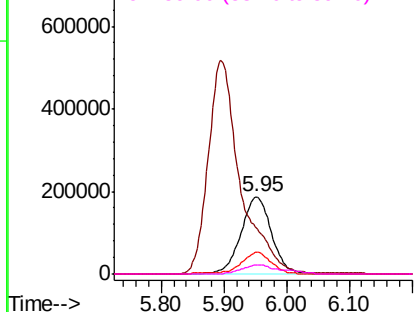


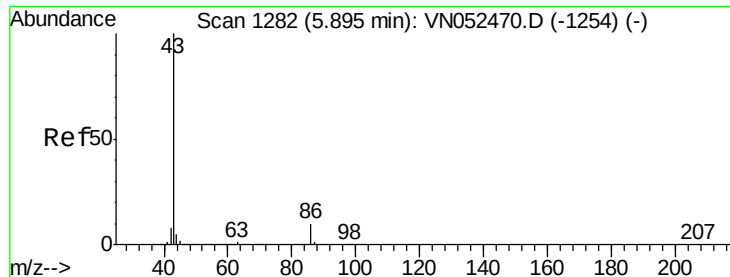
#22
Diisopropyl ether
Concen: 19.329 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion: 45 Resp: 631724
Ion Ratio Lower Upper
45 100
43 57.3 46.1 69.1
87 27.9 21.3 31.9
59 11.5 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: 91.031 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

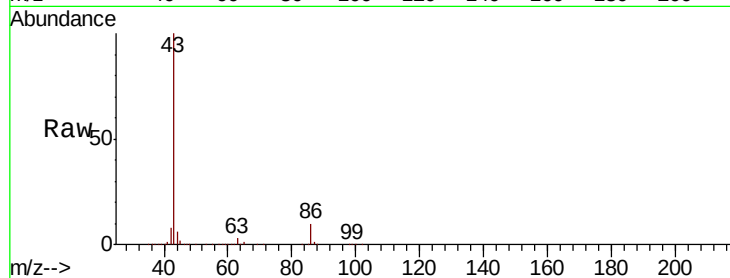
VN1210WBS02

Tot Ion: 43 Resp: 1853067

Ion Ratio Lower Upper

43 100

86 10.4 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN052748.D (-1189) (-)

Ion 86.00 (85.70 to 86.70): VN052748.D (-1189) (-)

5.90

600000

500000

400000

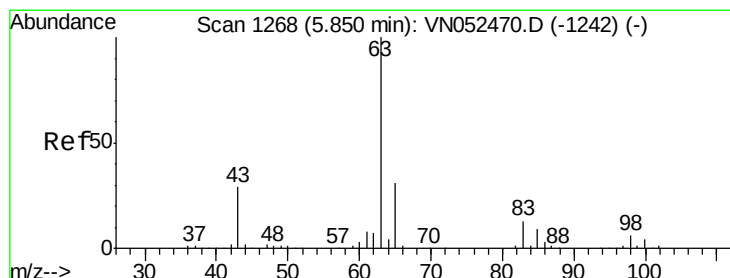
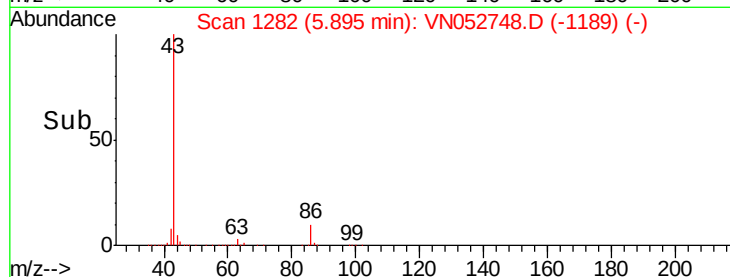
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.054 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

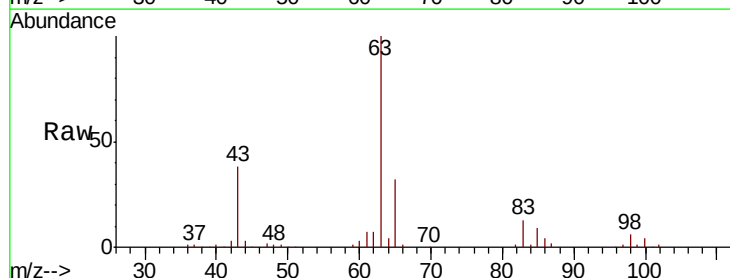
Tgt Ion: 63 Resp: 355558

Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

100 4.4 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN052748.D (-1175) (-)

Ion 97.90 (97.60 to 98.60): VN052748.D (-1175) (-)

Ion 99.90 (99.60 to 100.60): VN052748.D (-1175) (-)

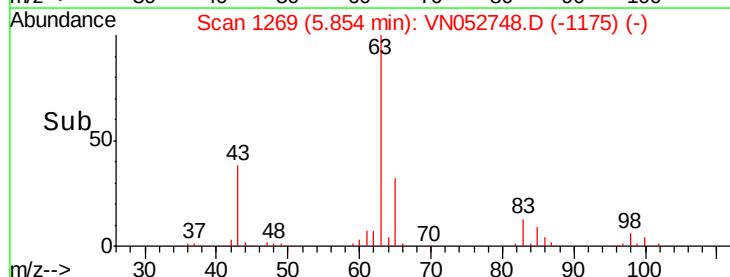
150000

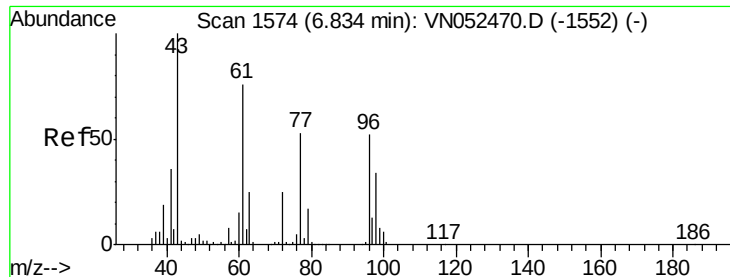
100000

50000

0

Time--> 5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 97.199 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampled :

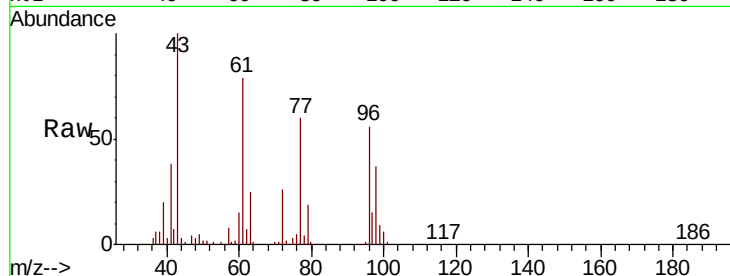
VN1210WBS02

Tot Ion: 43 Resp: 381306

Ion Ratio Lower Upper

43 100

72 26.3 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

150000

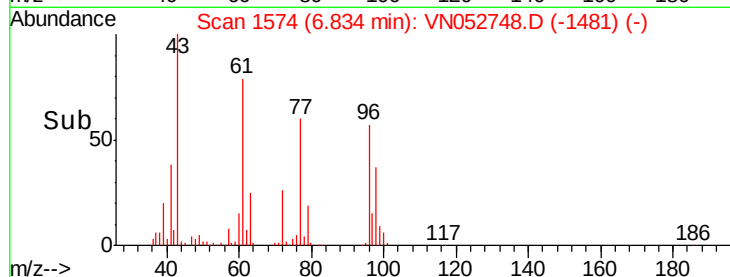
100000

50000

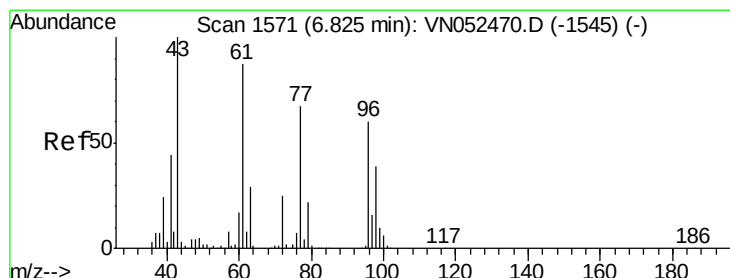
0

6.70 6.80 6.90

6.83



Time-->



#26

2,2-Dichloropropane

Concen: 20.256 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052748.D

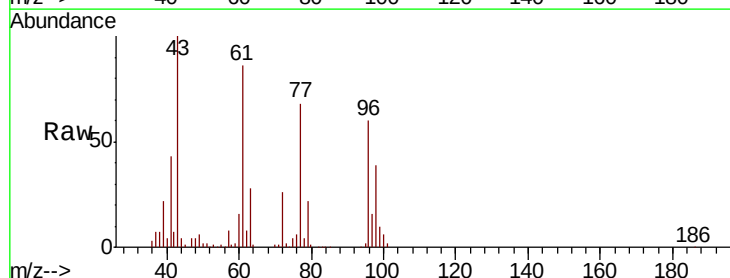
Acq: 10 Dec 2018 12:57

Tgt Ion: 77 Resp: 261633

Ion Ratio Lower Upper

77 100

97 24.0 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

80000

60000

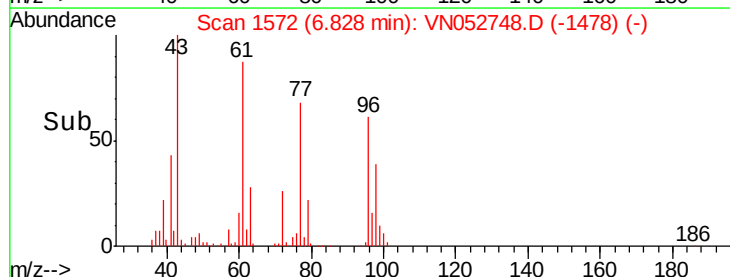
40000

20000

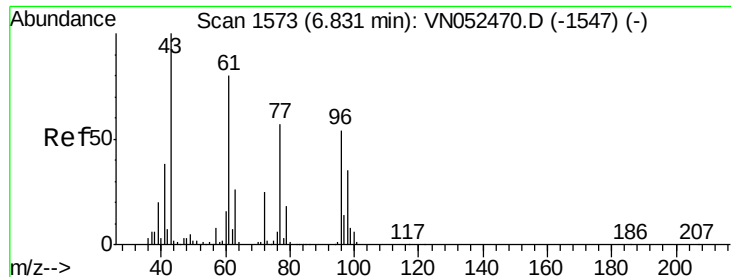
0

6.70 6.80 6.90

6.83



Time-->



#27

cis-1,2-Dichloroethene

Concen: 19.148 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS02

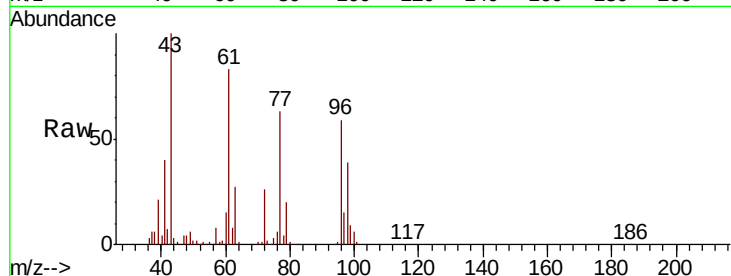
Tot Ion: 96 Resp: 215056

Ion Ratio Lower Upper

96 100

61 143.9 0.0 291.0

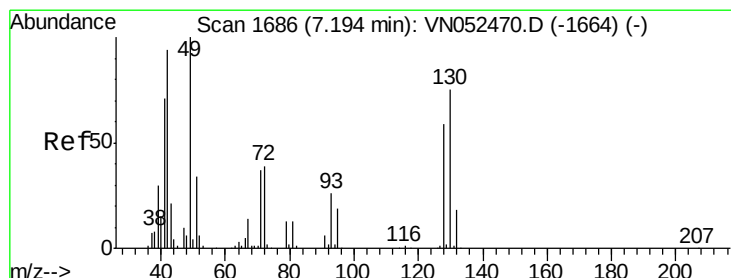
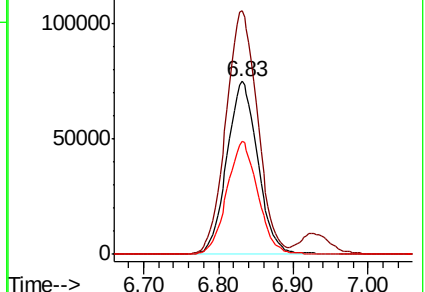
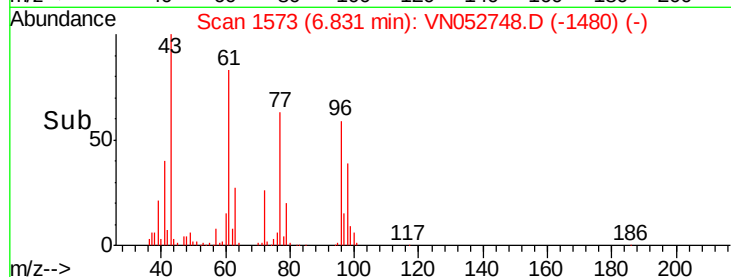
98 65.1 0.0 130.0



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: 19.897 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

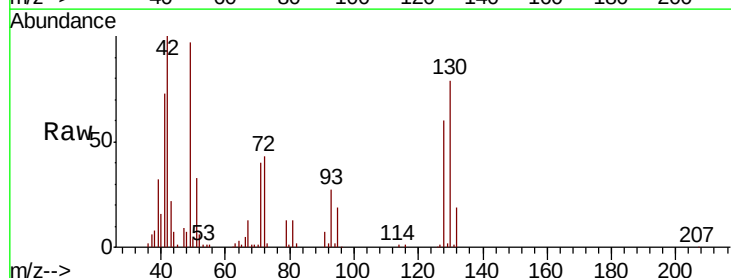
Tgt Ion: 49 Resp: 169583

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

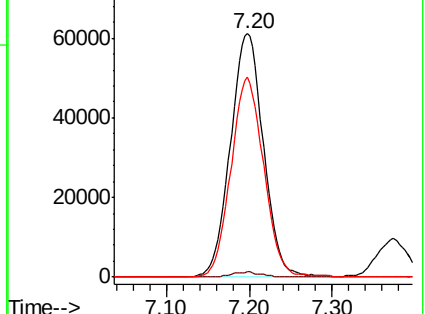
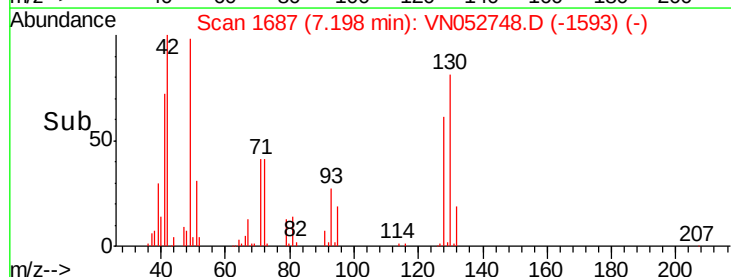
130 81.1 60.2 90.2

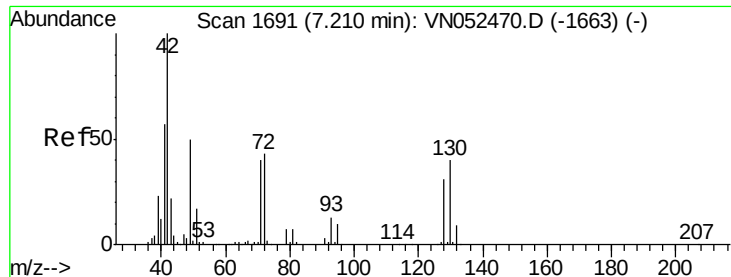


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

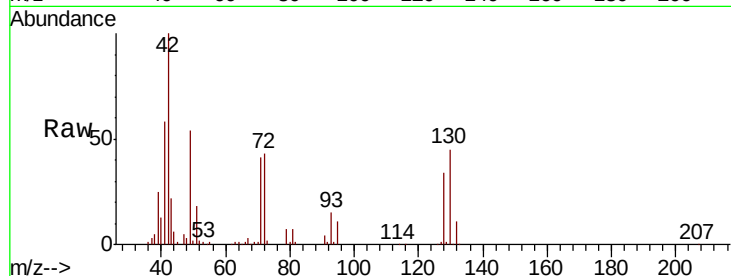




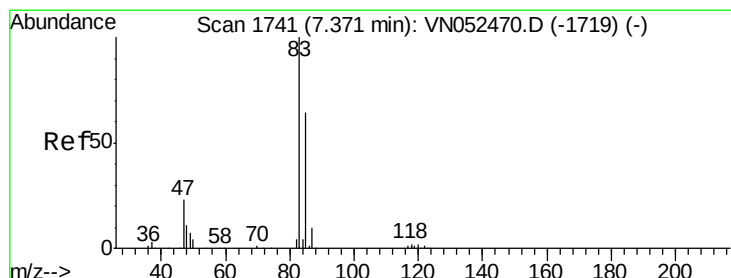
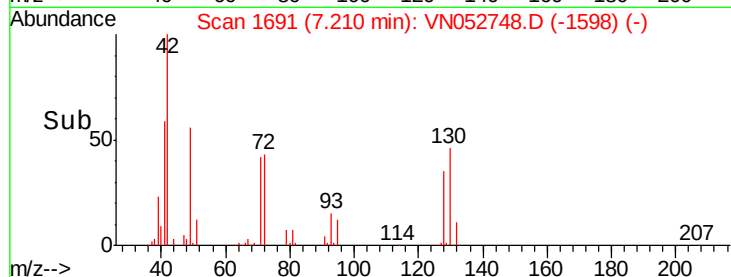
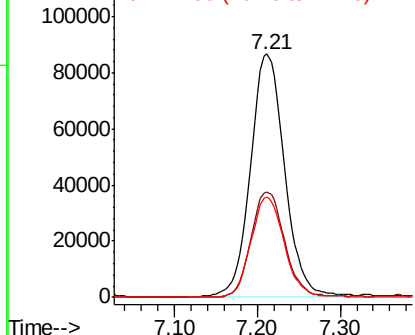
#29
Tetrahydrofuran
Concen: 98.453 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Instrument :
MSVOA_N
ClientSampled :
VN1210WBS02

Tot Ion: 42 Resp: 249114
Ion Ratio Lower Upper
42 100
72 42.8 33.3 49.9
71 40.4 32.0 48.0

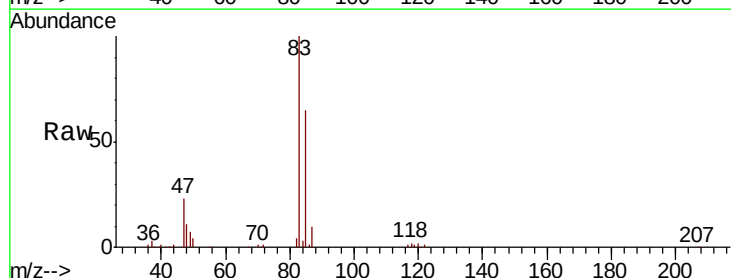


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

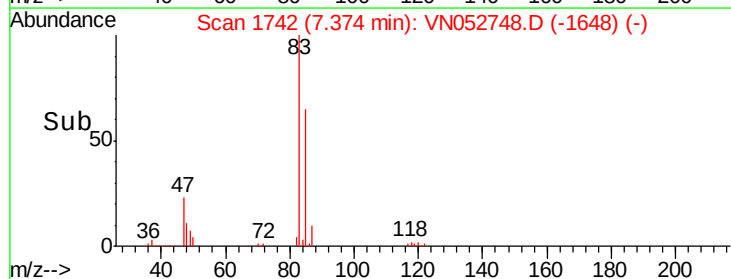
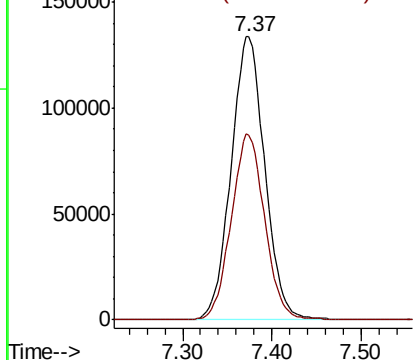


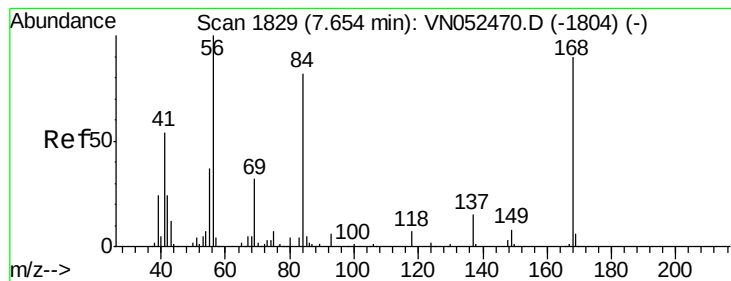
#30
Chloroform
Concen: 18.822 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion: 83 Resp: 350415
Ion Ratio Lower Upper
83 100
85 65.3 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: 17.249 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS02

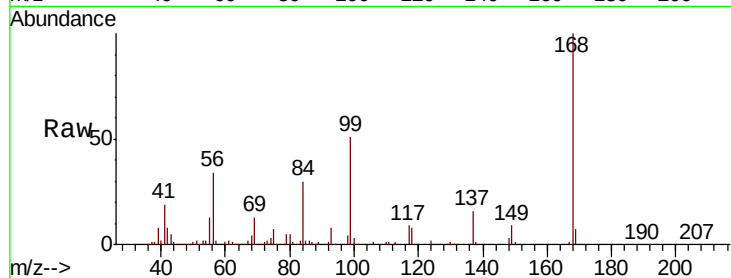
Tot Ion: 56 Resp: 315870

Ion Ratio Lower Upper

56 100

69 37.5 25.8 38.6

84 86.4 65.3 97.9

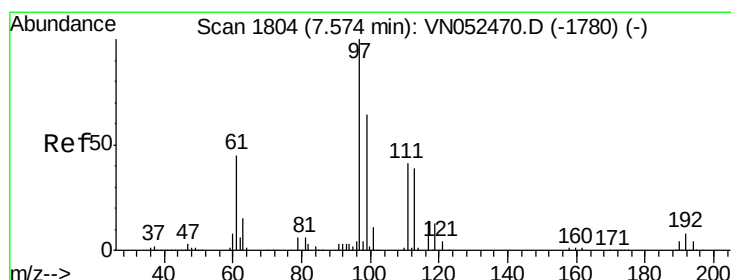
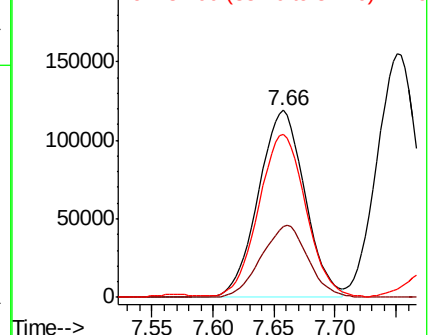
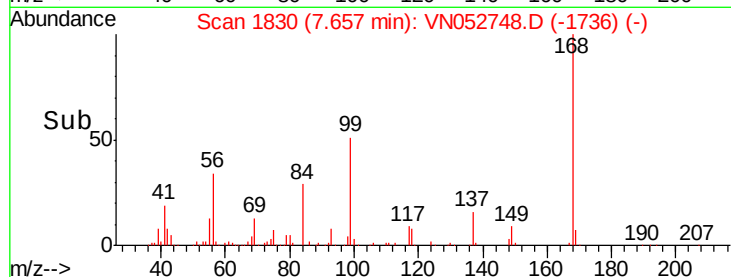


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.546 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

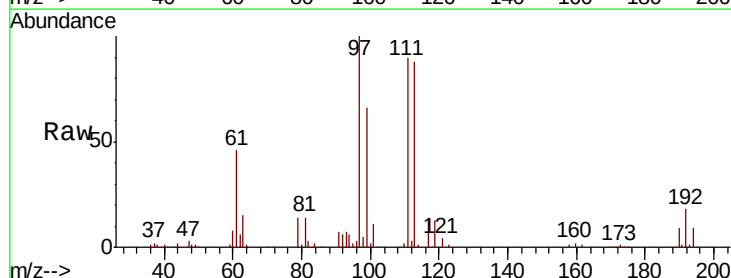
Tgt Ion: 97 Resp: 288322

Ion Ratio Lower Upper

97 100

99 64.2 51.7 77.5

61 44.7 36.8 55.2

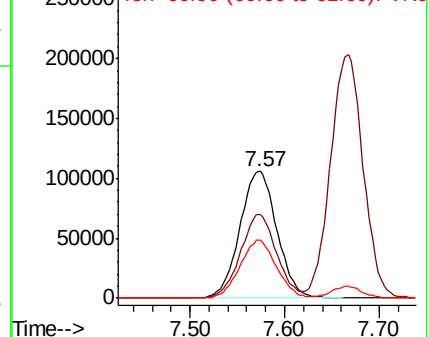
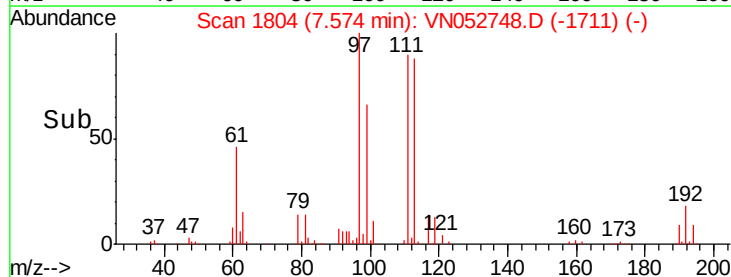


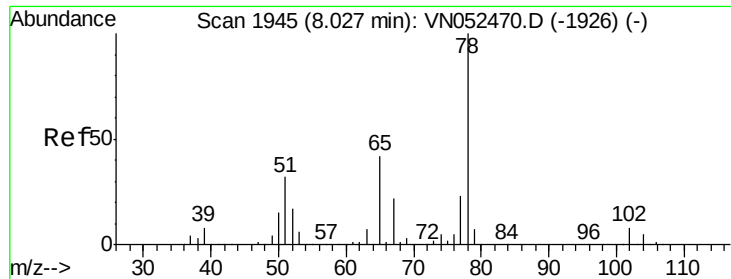
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

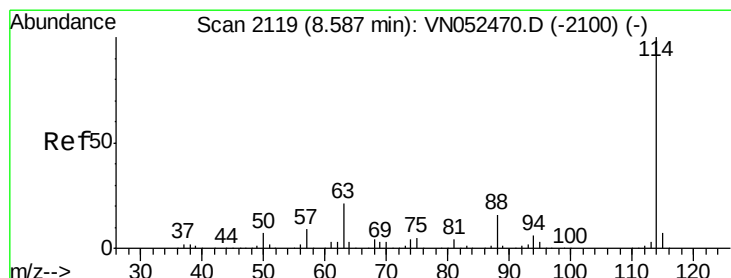
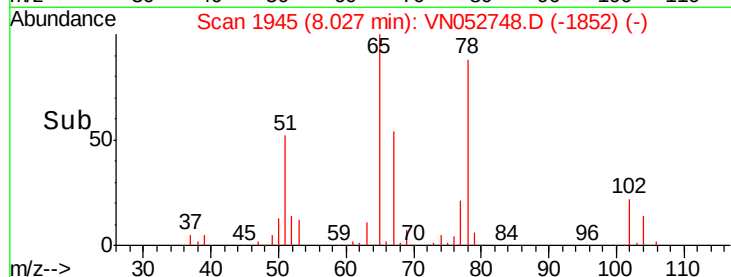
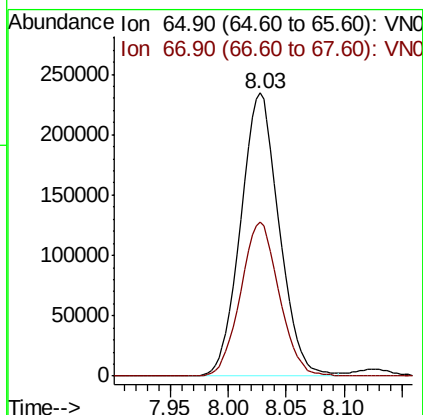
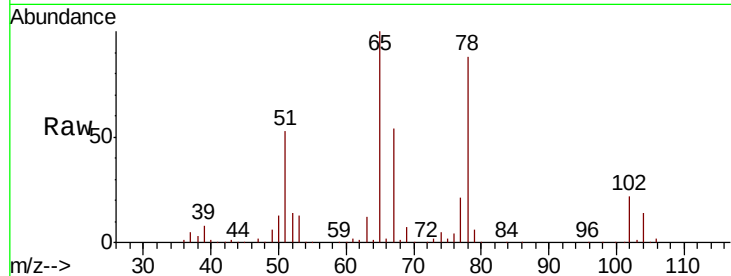




#33
 1,2-Dichloroethane-d4
 Concen: 19.546 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

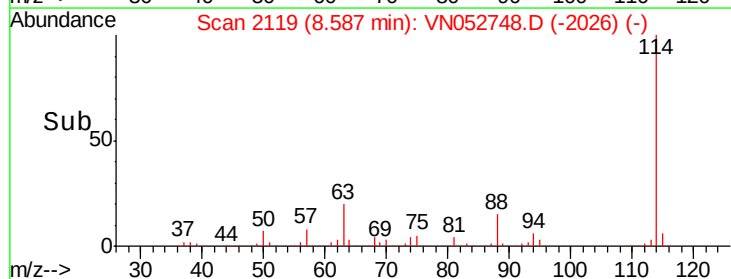
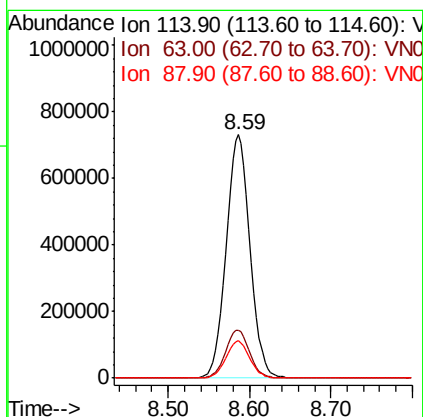
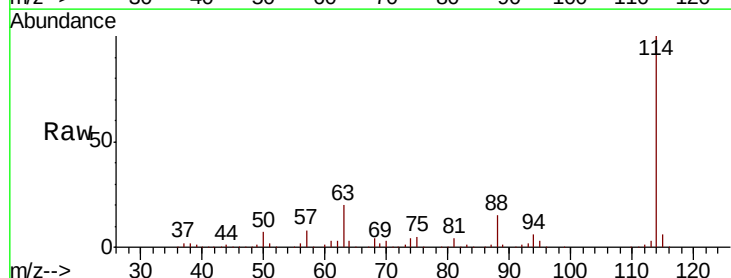
Instrument :
 MSVOA_N
 ClientSampled :
 VN1210WBS02

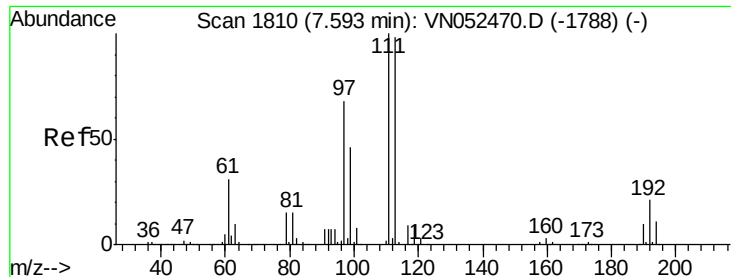
Tot Ion: 65 Resp: 541126
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Tgt Ion: 114 Resp: 1501950
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.8
 88 15.3 0.0 31.6

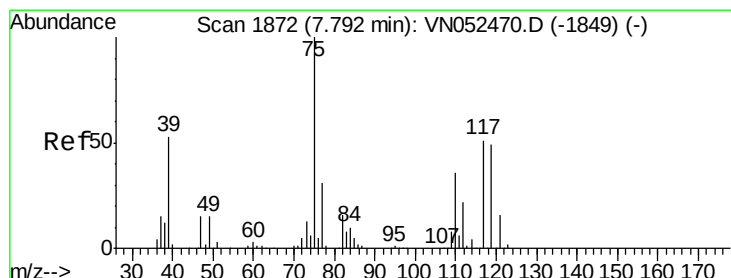
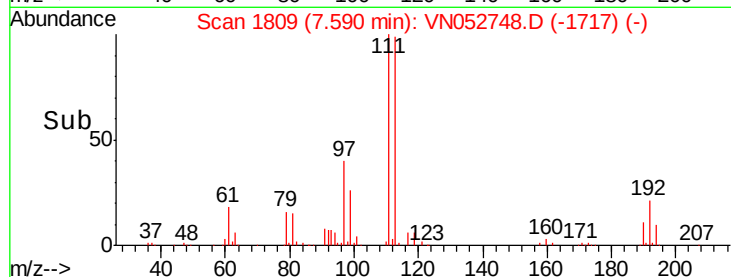
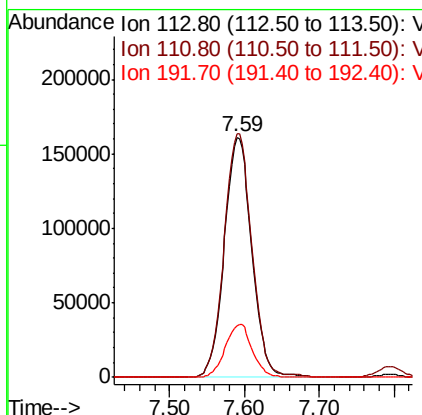
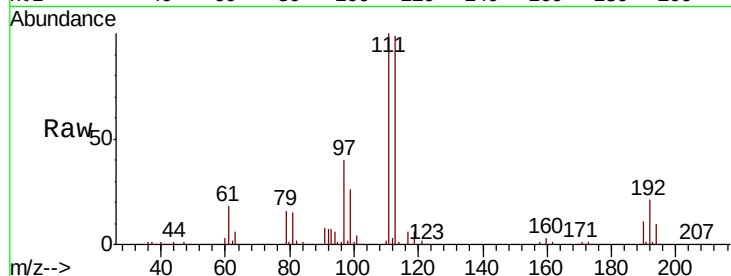




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

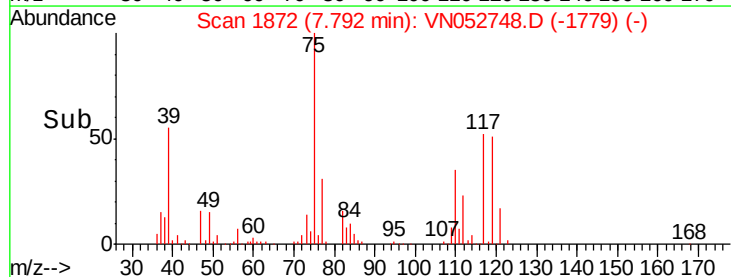
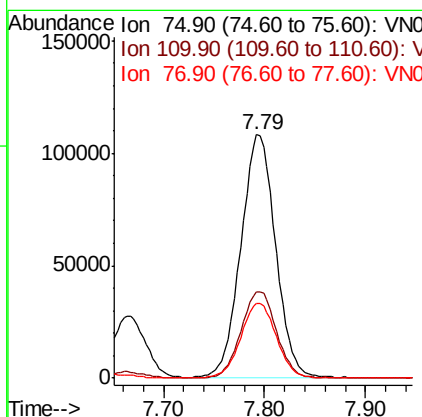
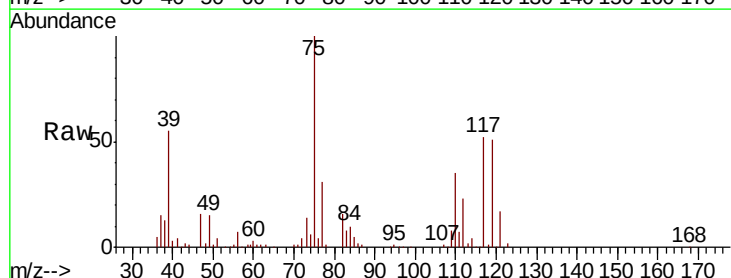
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS02

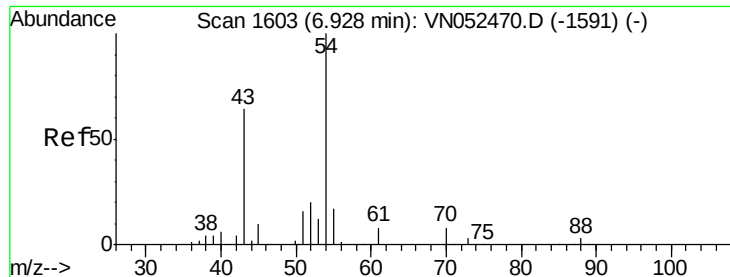
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.0	123.0
192	21.7	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 18.117 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	17.5	52.6
77	31.8	24.5	36.7

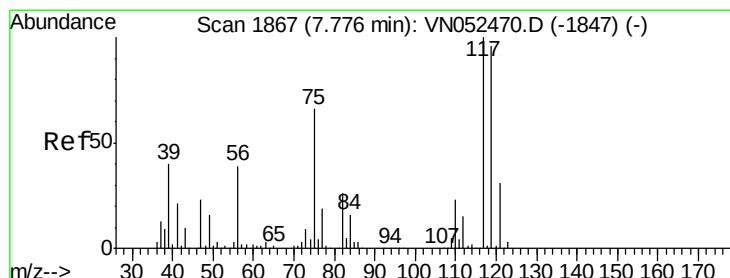
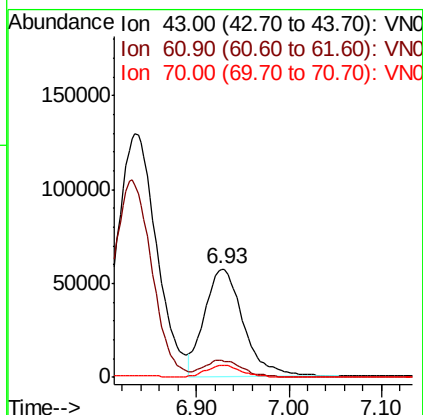
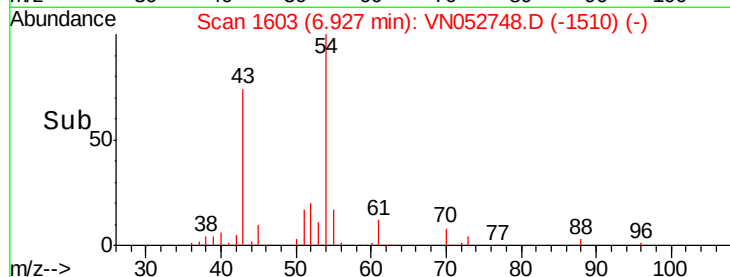
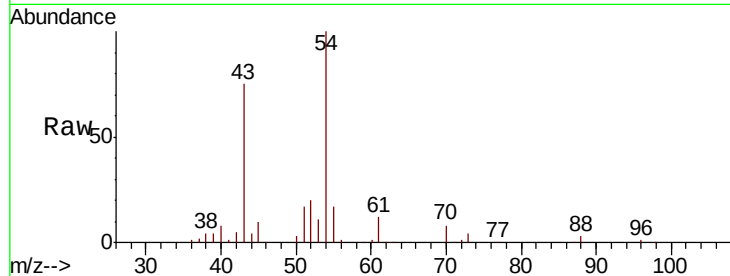




#37
Ethyl Acetate
Concen: 19.162 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

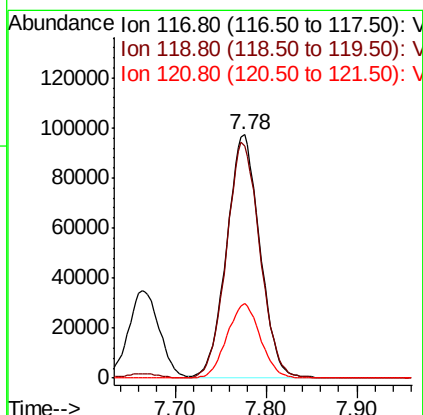
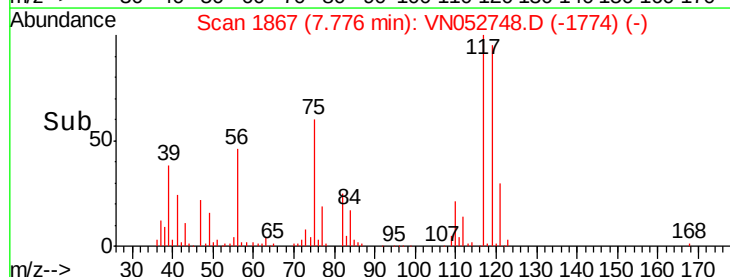
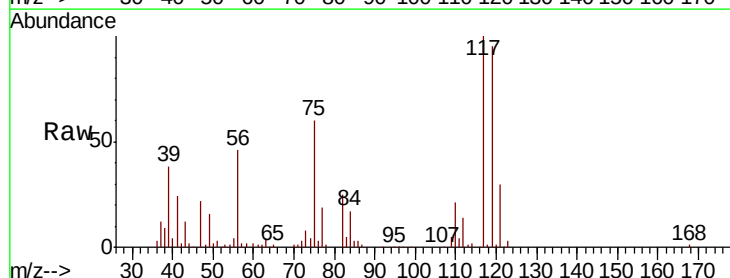
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS02

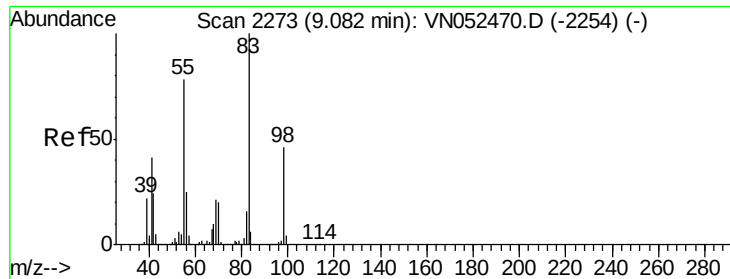
Tot Ion: 43 Resp: 165870
Ion Ratio Lower Upper
43 100
61 16.2 11.8 17.8
70 10.6 7.8 11.8



#38
Carbon Tetrachloride
Concen: 19.303 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion: 117 Resp: 247842
Ion Ratio Lower Upper
117 100
119 95.4 76.8 115.2
121 30.4 24.9 37.3

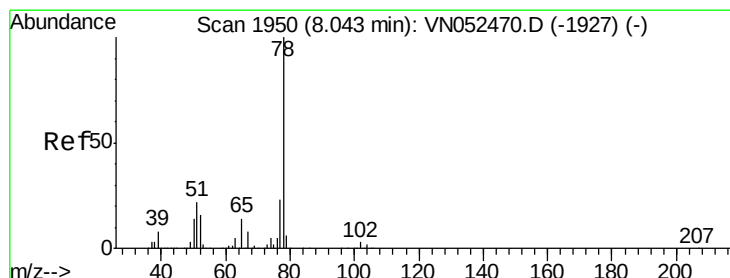
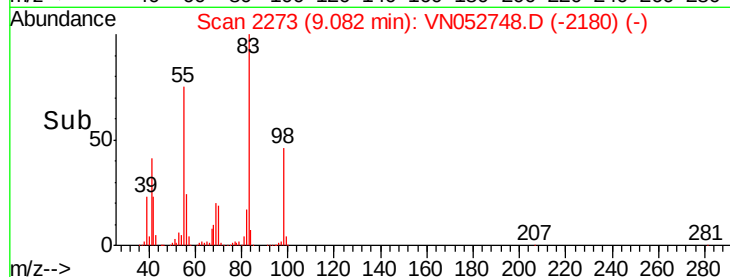
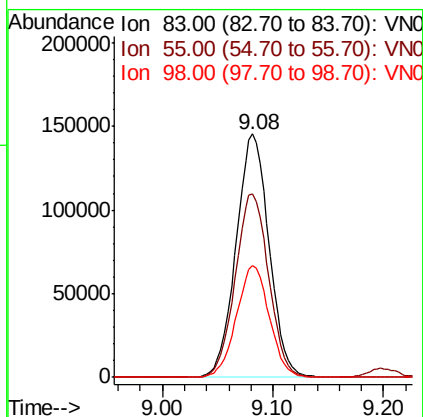
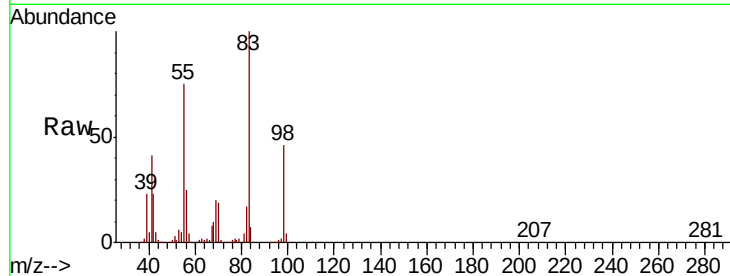




#39
Methylvlcyclohexane
Concen: 17.448 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

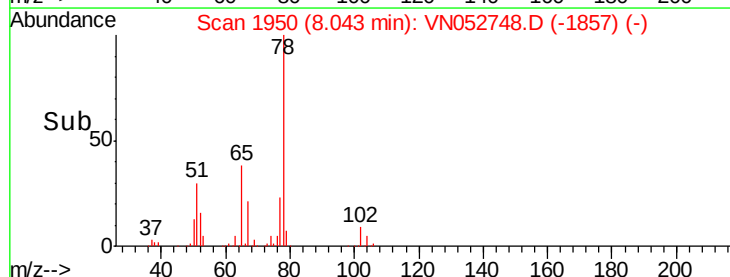
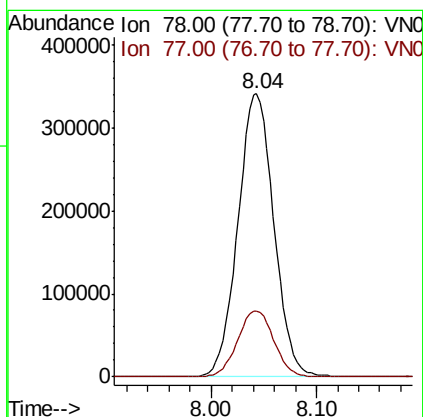
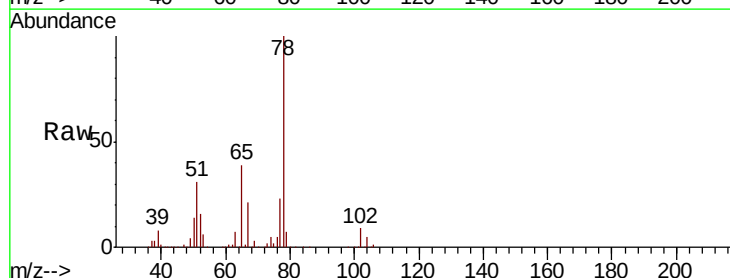
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS02

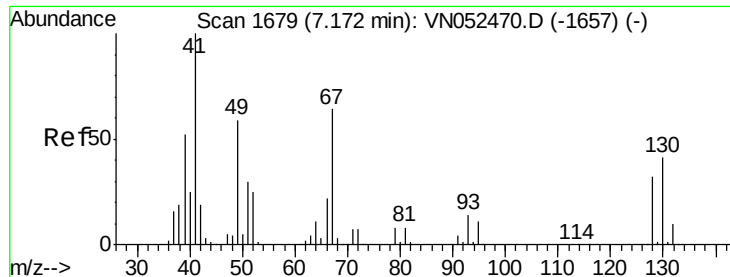
Tot Ion: 83 Resp: 300795
Ion Ratio Lower Upper
83 100
55 75.4 62.2 93.2
98 45.8 36.4 54.6



#40
Benzene
Concen: 19.082 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion: 78 Resp: 806577
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2





#41

Methacrylonitrile

Concen: 18.911 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS02

Tot Ion: 41 Resp: 89491

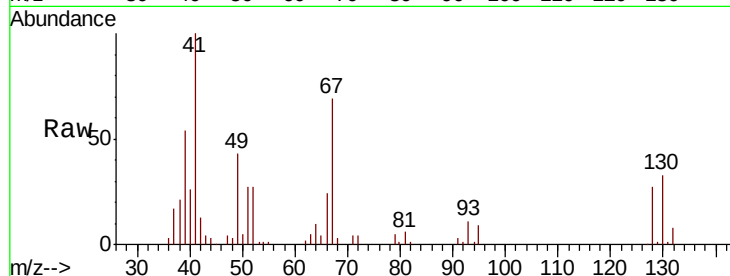
Ion Ratio Lower Upper

41 100

39 61.2 50.9 76.3

67 90.0 63.6 95.4

52 35.6 24.4 36.6

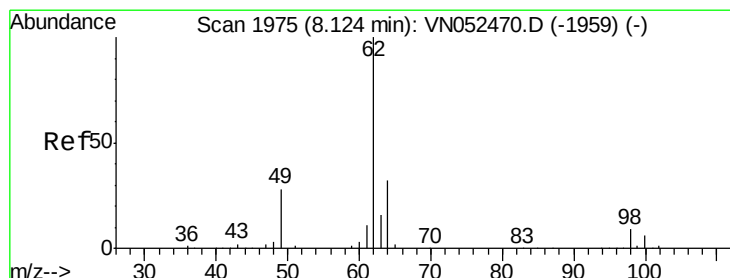
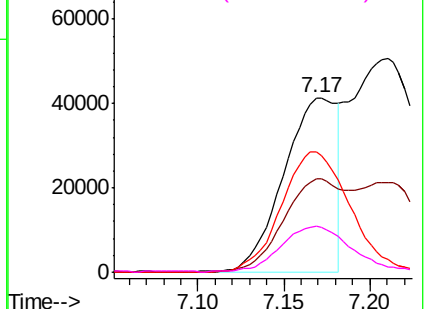
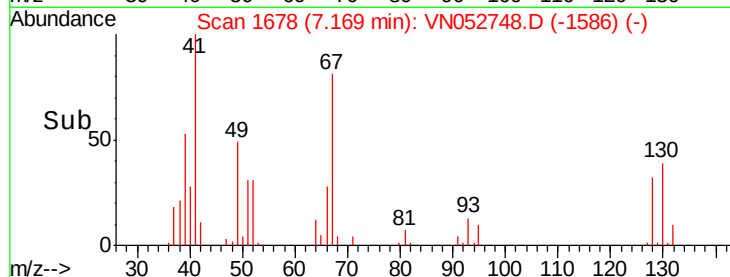


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 19.465 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN052748.D

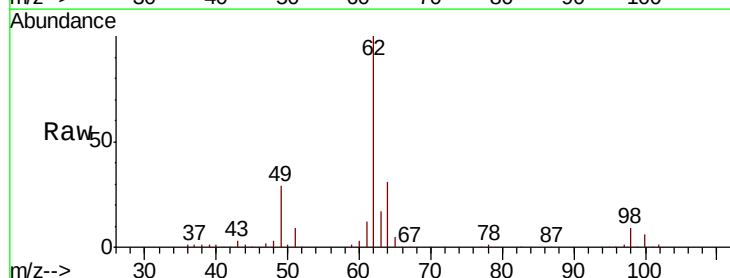
Acq: 10 Dec 2018 12:57

Tgt Ion: 62 Resp: 249126

Ion Ratio Lower Upper

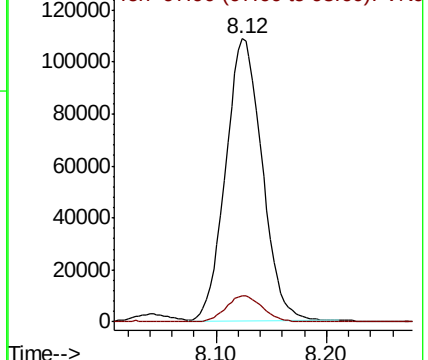
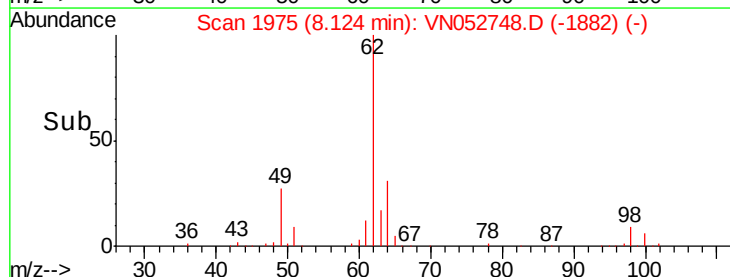
62 100

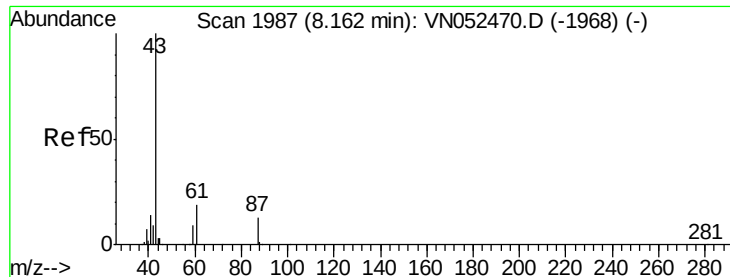
98 9.2 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 21.283 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS02

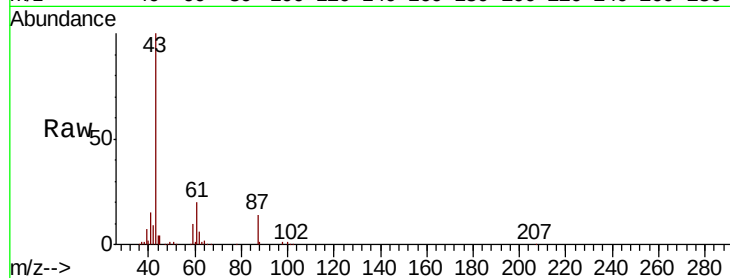
Tot Ion: 43 Resp: 311764

Ion Ratio Lower Upper

43 100

61 28.2 24.1 36.1

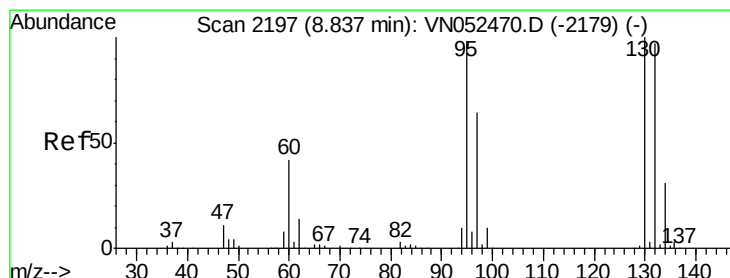
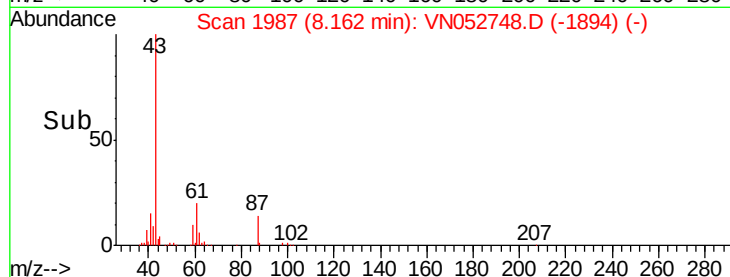
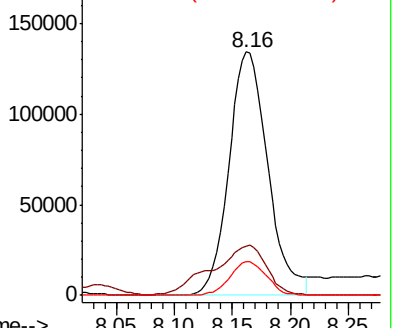
87 13.1 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN052748.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052748.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052748.D (-1968) (-)



#44

Trichloroethene

Concen: 20.158 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN052748.D

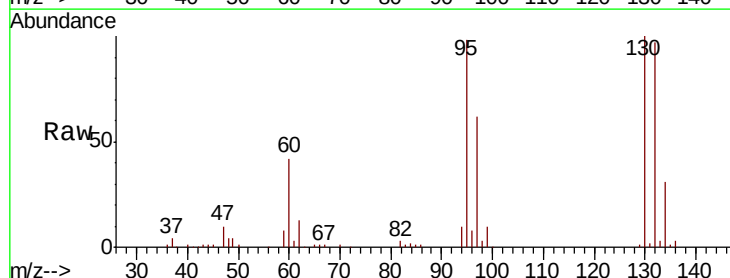
Acq: 10 Dec 2018 12:57

Tgt Ion: 130 Resp: 218252

Ion Ratio Lower Upper

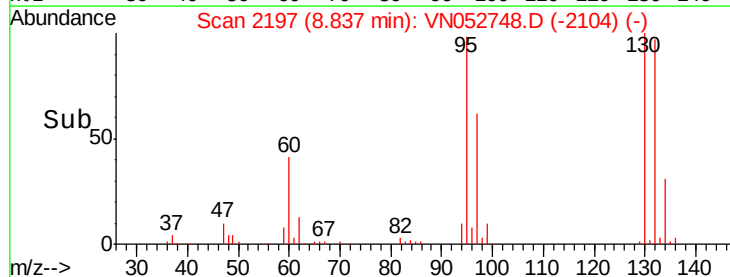
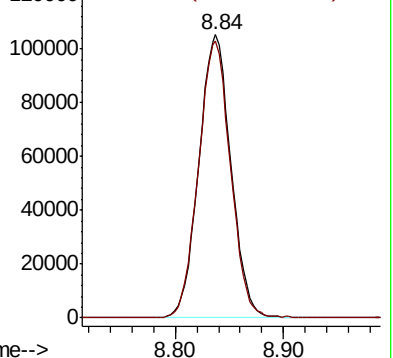
130 100

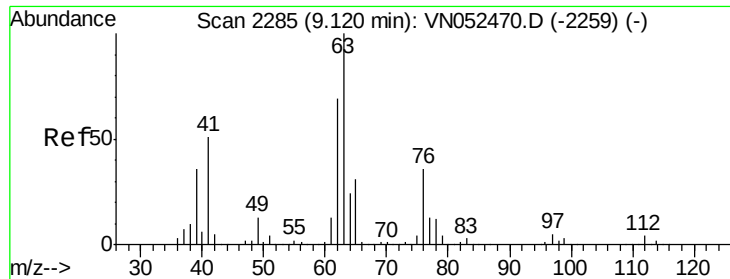
95 97.9 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): VN052748.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052748.D (-2179) (-)

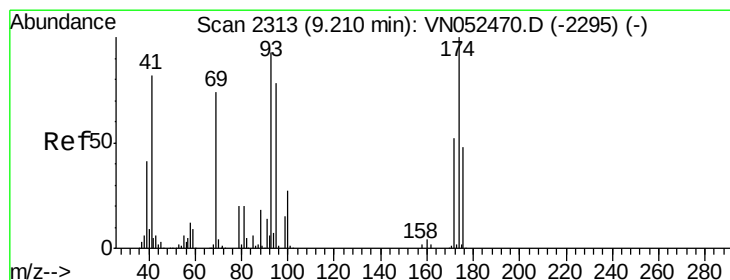
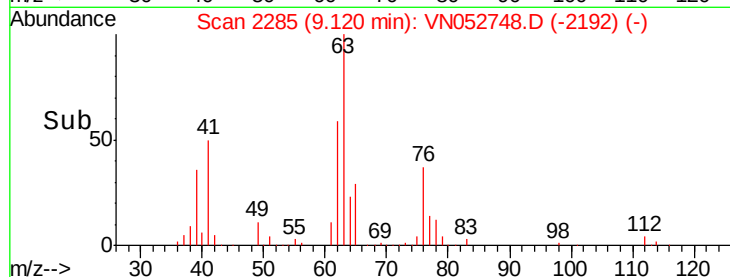
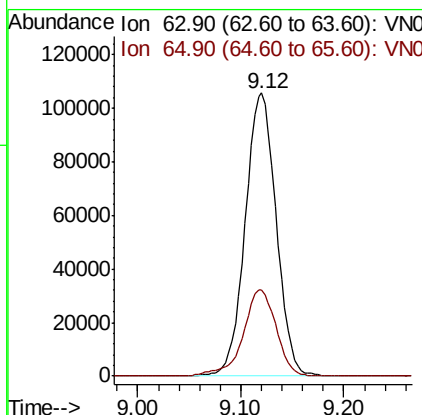
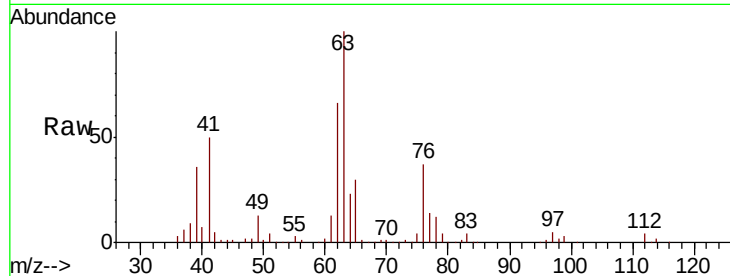




#45
 1,2-Dichloropropane
 Concen: 19.617 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

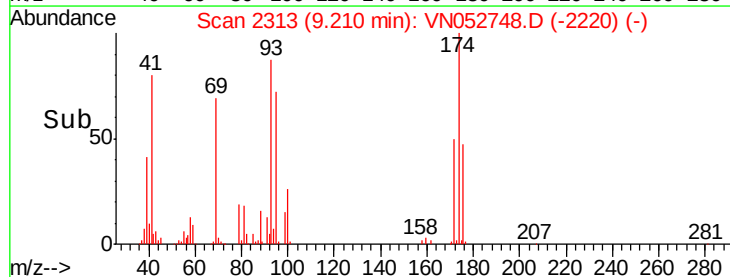
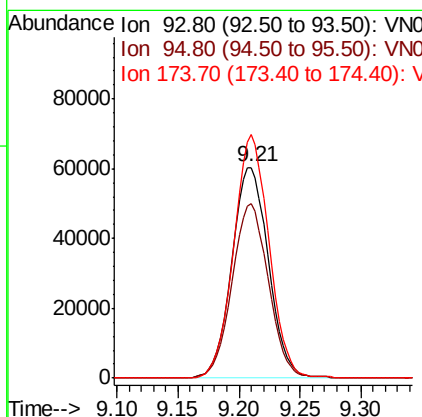
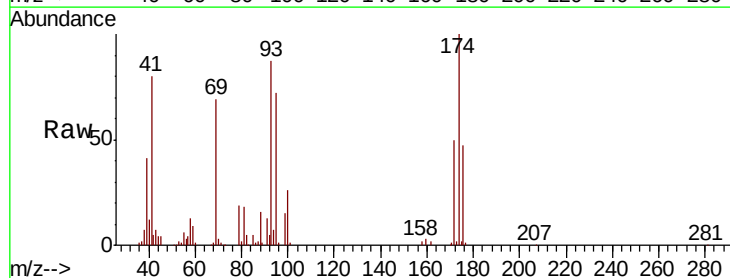
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS02

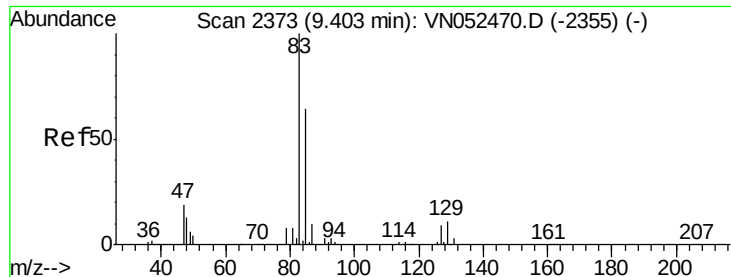
Tot Ion: 63 Resp: 220452
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.6



#46
 Dibromomethane
 Concen: 20.211 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Tgt Ion: 93 Resp: 125734
 Ion Ratio Lower Upper
 93 100
 95 82.5 67.1 100.7
 174 111.2 85.8 128.8

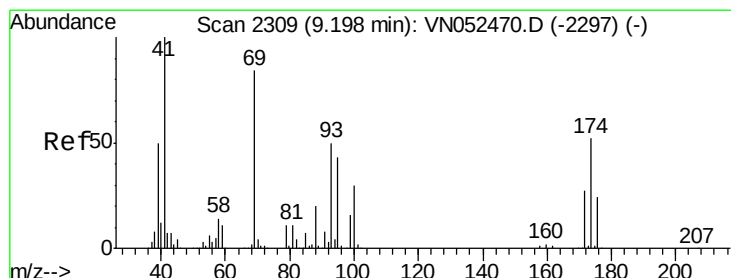
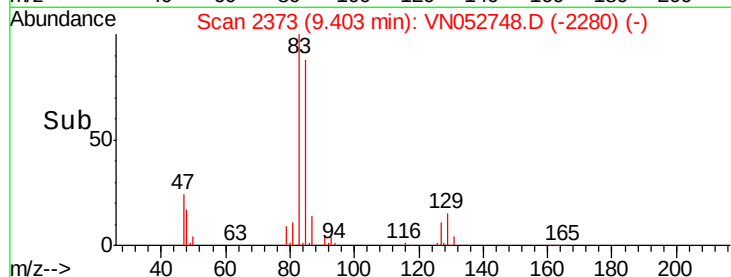
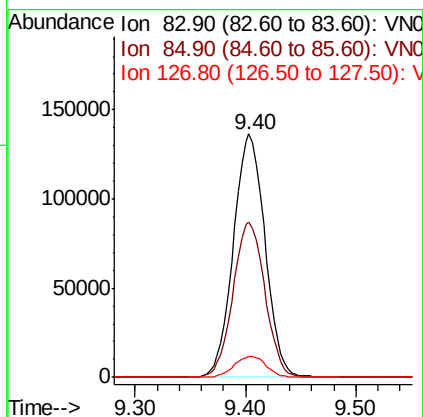
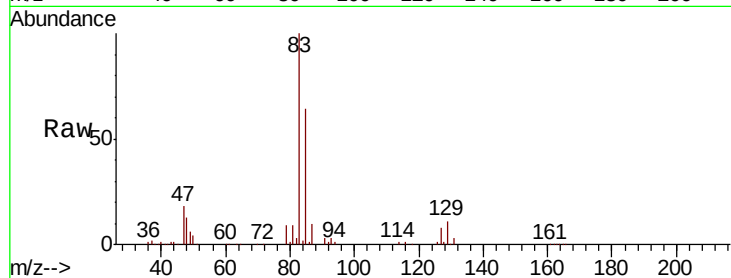




#47
Bromodichloromethane
Concen: 20.038 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

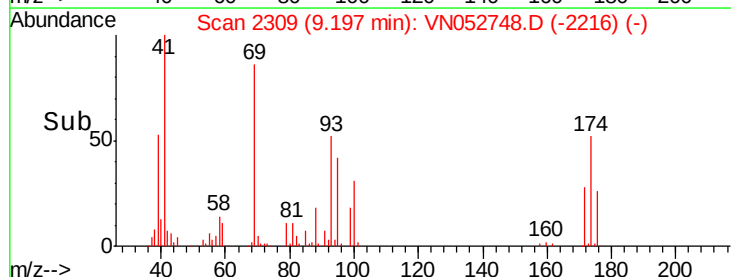
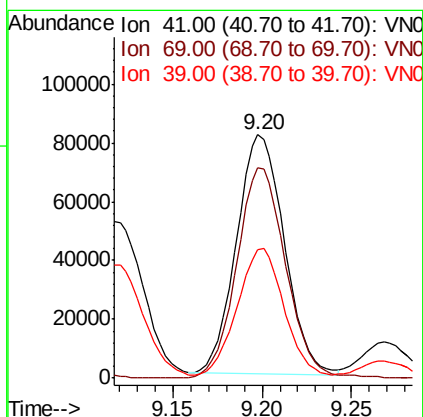
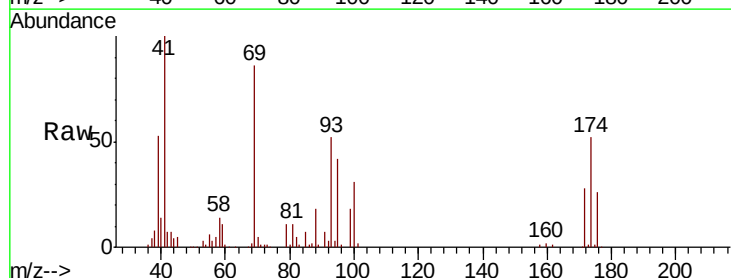
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS02

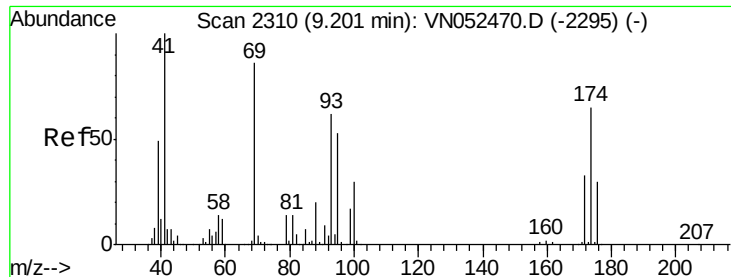
Tot Ion: 83 Resp: 271030
Ion Ratio Lower Upper
83 100
85 63.7 51.3 76.9
127 8.3 6.9 10.3



#48
Methyl methacrylate
Concen: 19.866 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion: 41 Resp: 151739
Ion Ratio Lower Upper
41 100
69 90.8 70.0 105.0
39 53.6 42.6 64.0

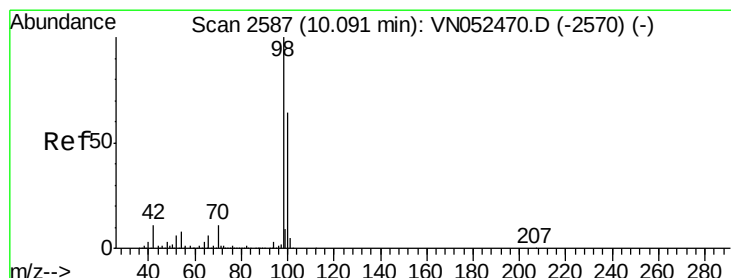
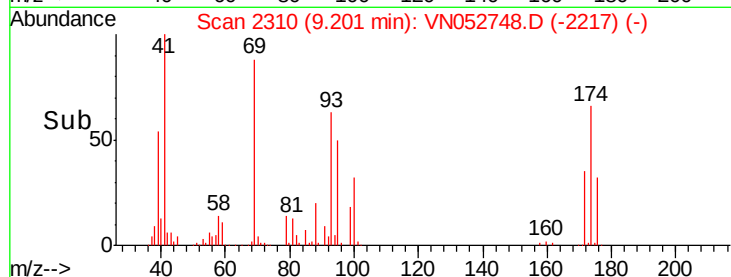
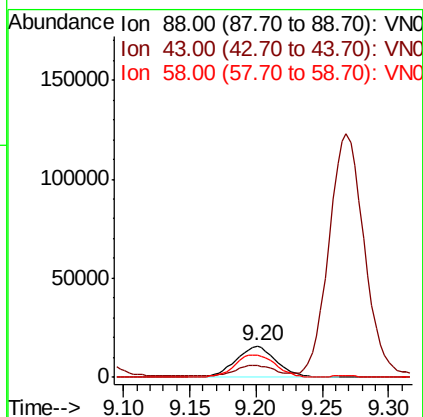
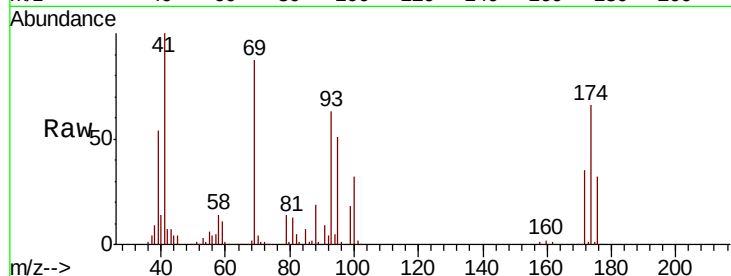




#49
1,4-Dioxane
Concen: 421.011 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

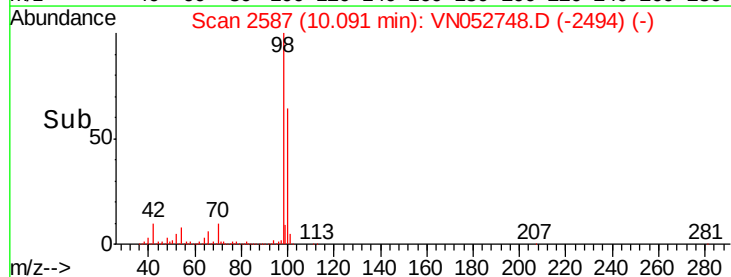
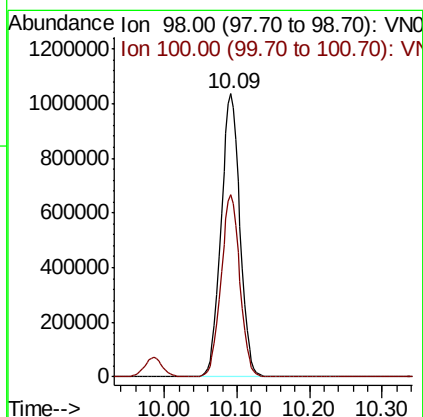
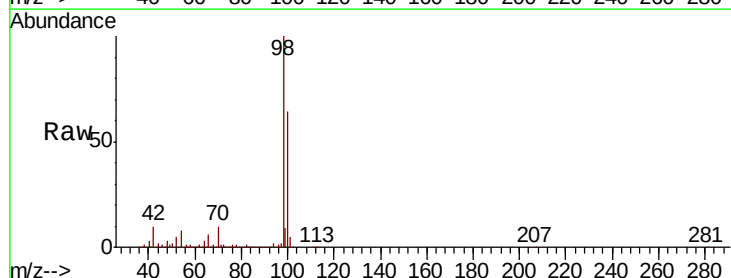
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS02

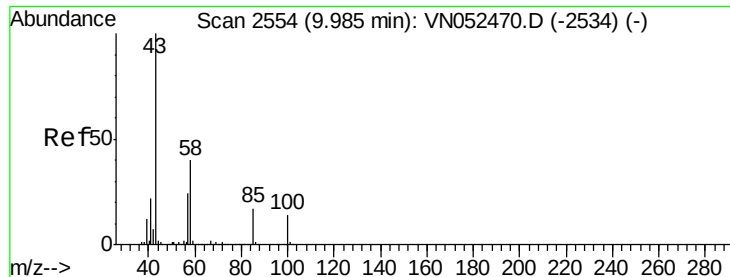
Tot Ion: 88 Resp: 33374
Ion Ratio Lower Upper
88 100
43 32.4 26.4 39.6
58 72.8 55.4 83.0



#50
Toluene-d8
Concen: 421.011 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion: 98 Resp: 1857158
Ion Ratio Lower Upper
98 100
100 64.0 51.3 76.9

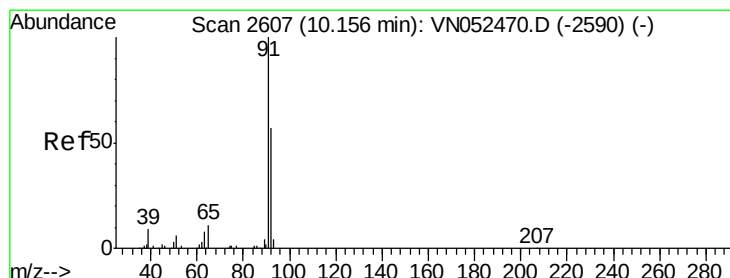
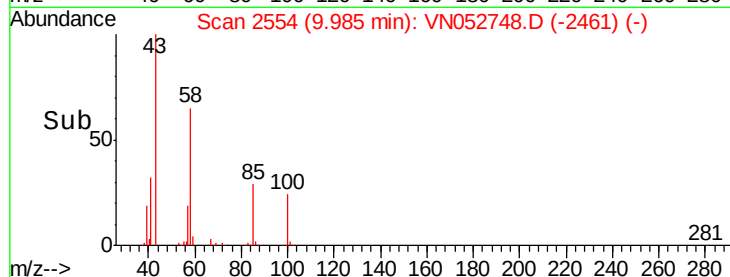
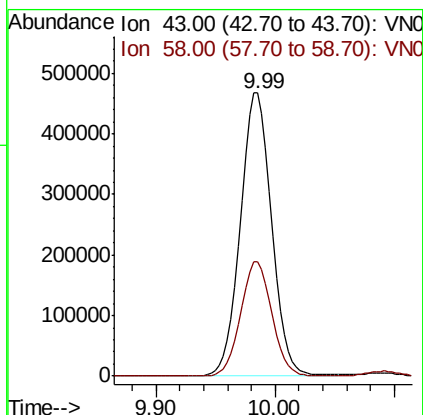
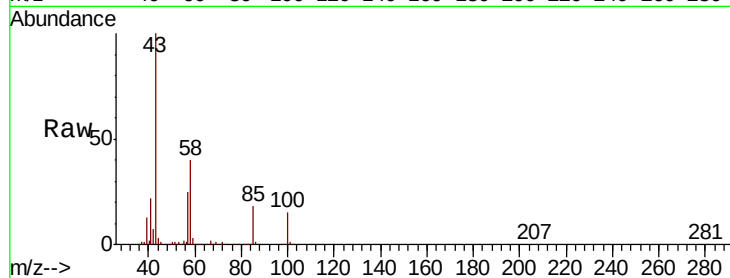




#51
 4-Methyl-2-Pentanone
 Concen: 103.108 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

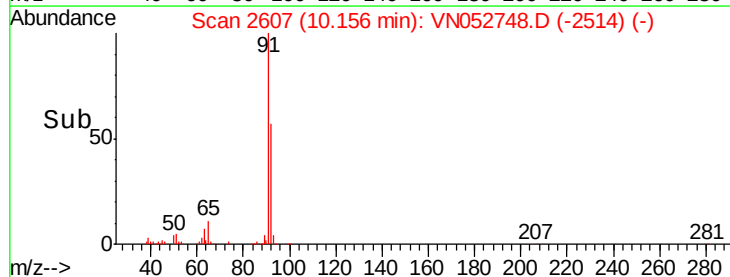
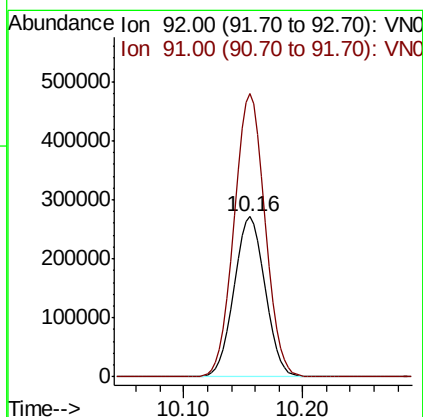
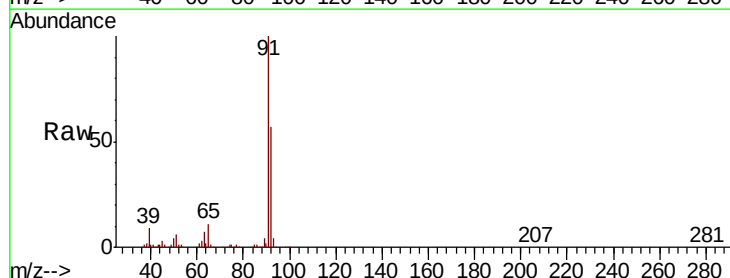
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS02

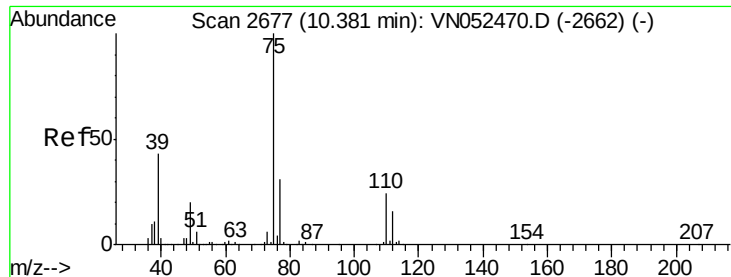
Tot Ion: 43 Resp: 847429
 Ion Ratio Lower Upper
 43 100
 58 40.5 31.5 47.3



#52
 Toluene
 Concen: 19.596 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Tgt Ion: 92 Resp: 492136
 Ion Ratio Lower Upper
 92 100
 91 175.7 141.0 211.4





#53

t-1,3-Dichloropropene

Concen: 20.108 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

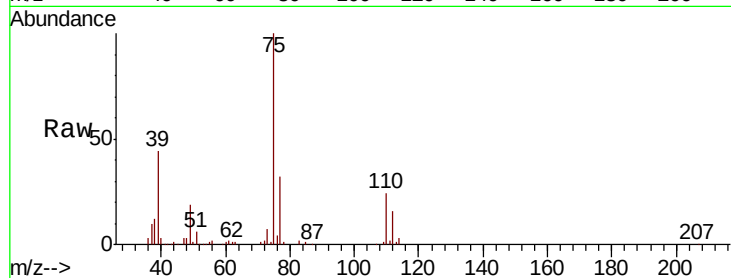
VN1210WBS02

Tot Ion: 75 Resp: 261641

Ion Ratio Lower Upper

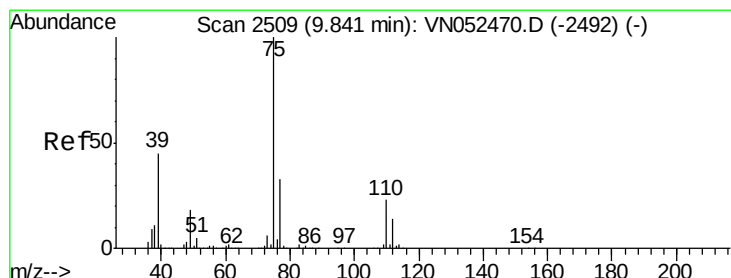
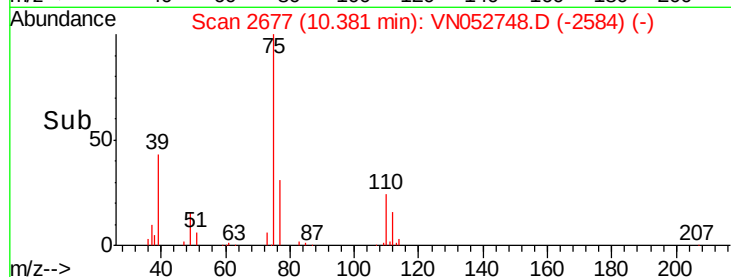
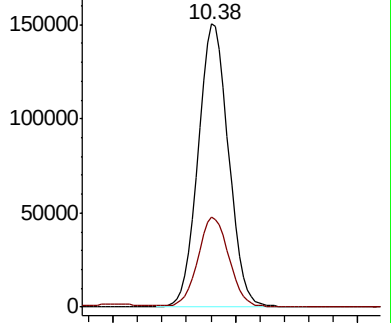
75 100

77 31.6 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.932 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

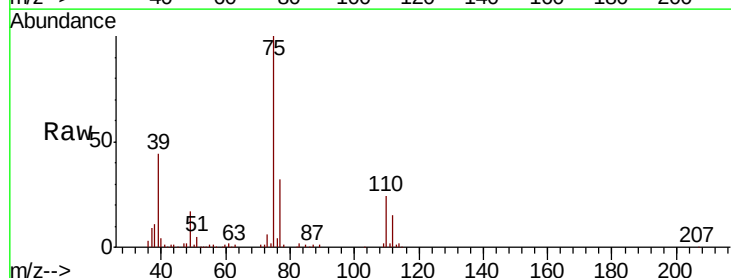
Tgt Ion: 75 Resp: 310806

Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.2

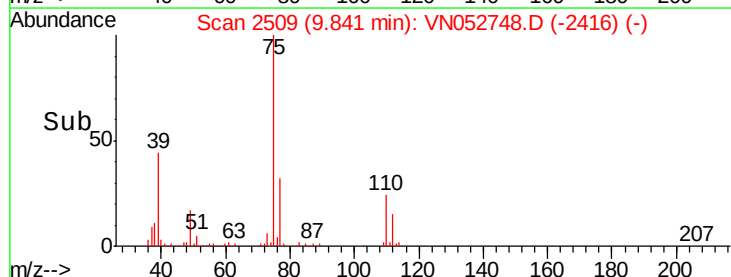
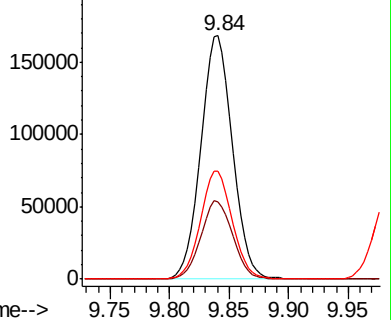
39 44.1 36.0 54.0

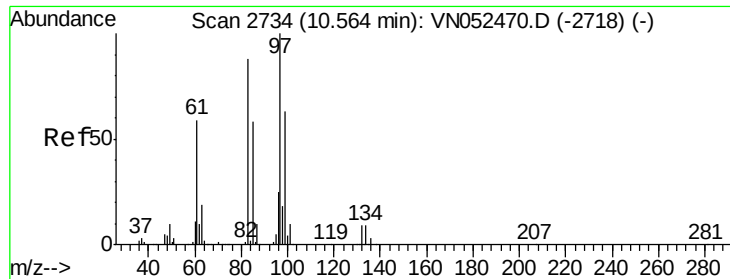


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

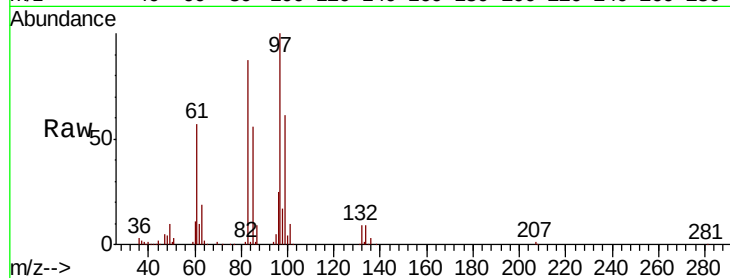




#55
 1,1,2-Trichloroethane
 Concen: 20.779 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.9	70.7	106.1
85	55.8	46.1	69.1
99	60.7	50.8	76.2



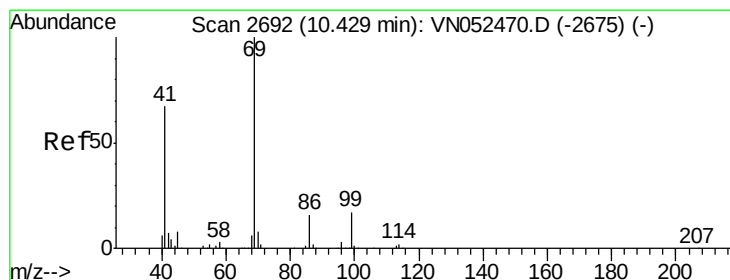
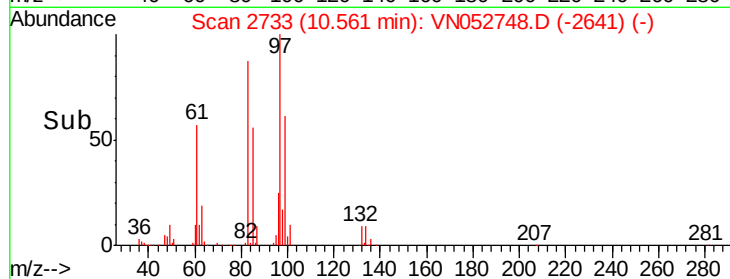
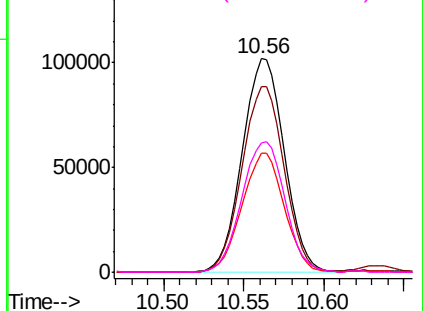
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

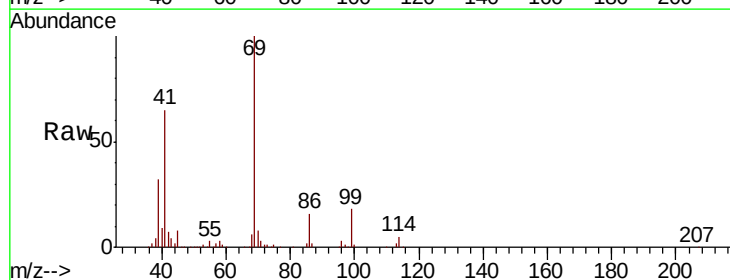
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 20.499 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.4	52.6	79.0
39	31.6	25.9	38.9

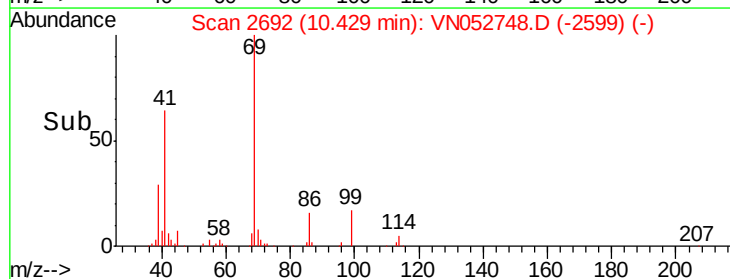
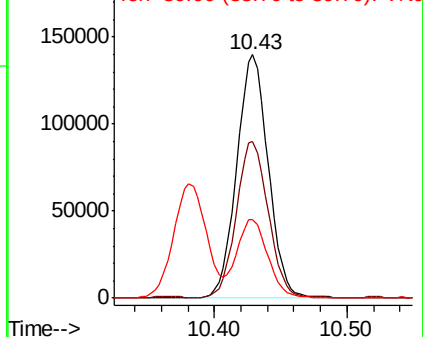


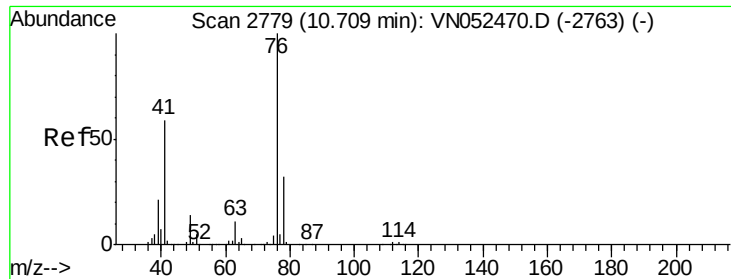
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.074 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

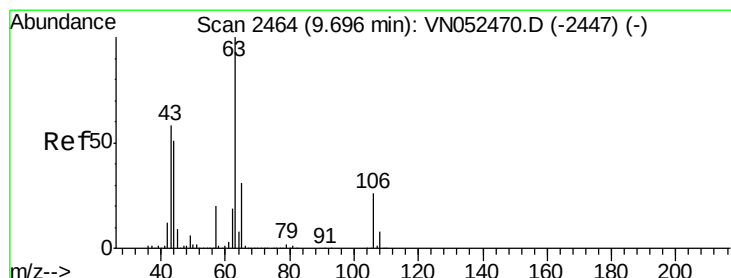
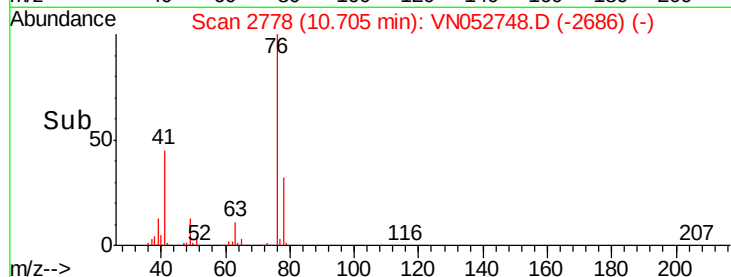
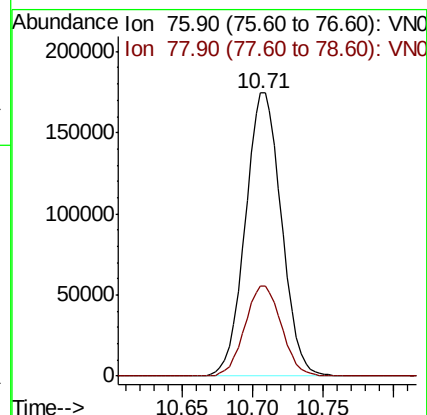
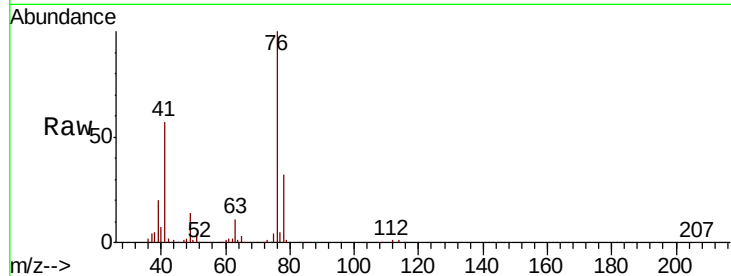
VN1210WBS02

Tot Ion: 76 Resp: 313124

Ion Ratio Lower Upper

76 100

78 32.3 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 102.460 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052748.D

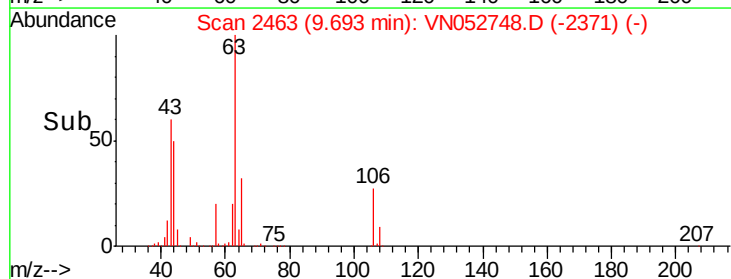
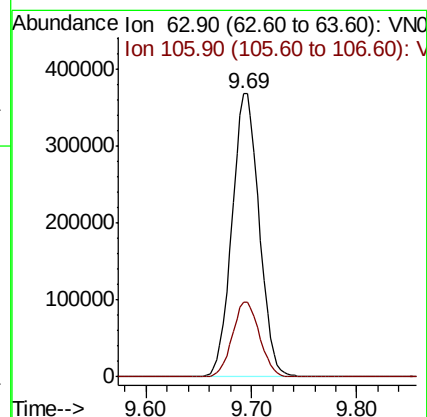
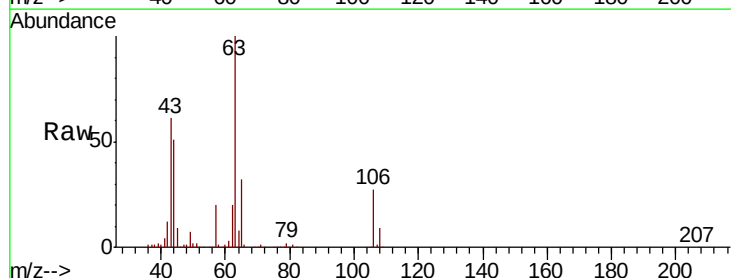
Acq: 10 Dec 2018 12:57

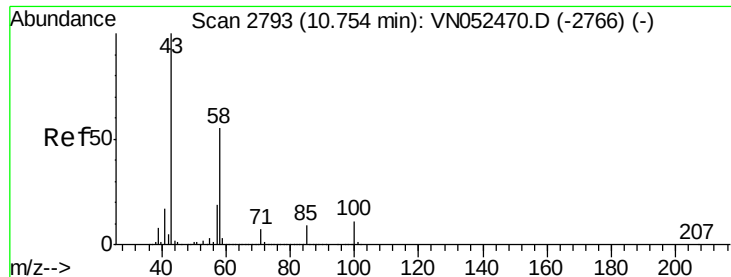
Tgt Ion: 63 Resp: 656777

Ion Ratio Lower Upper

63 100

106 26.6 20.6 30.8

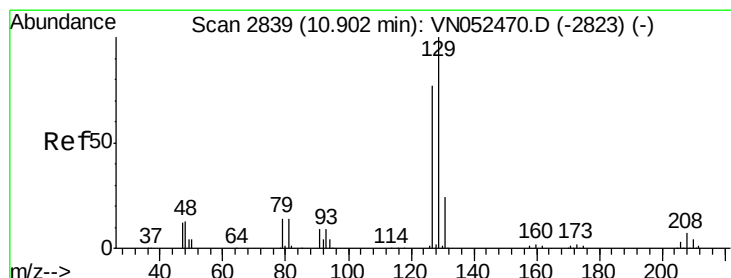
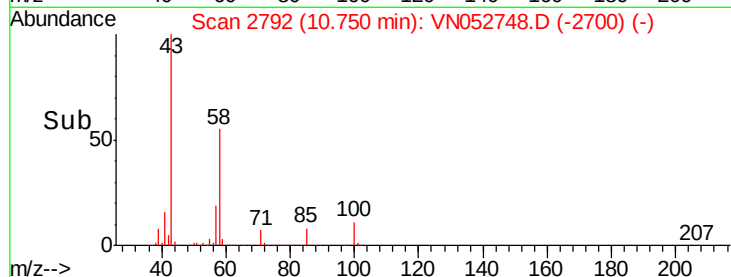
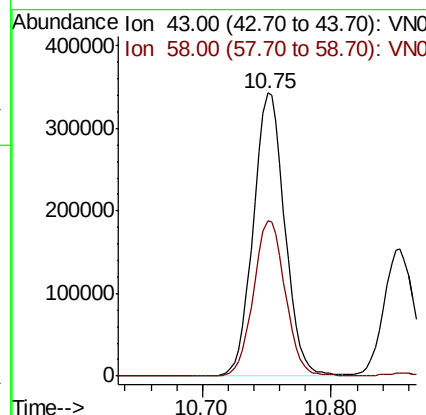
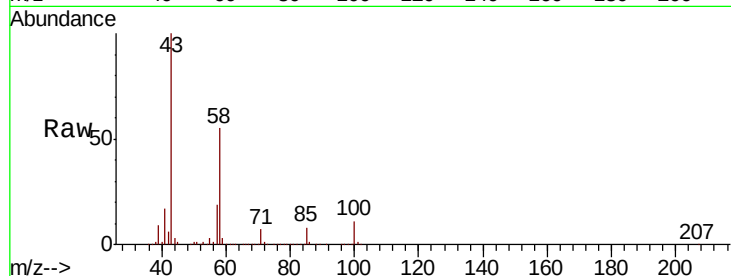




#59
2-Hexanone
Concen: 105.494 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

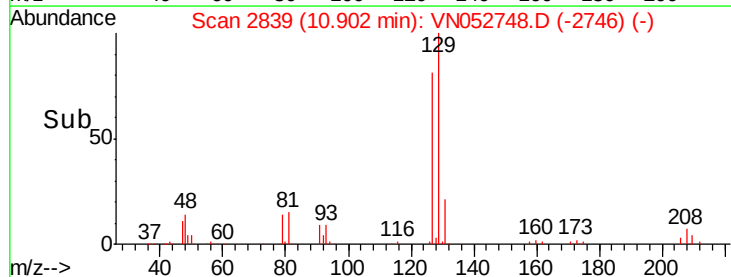
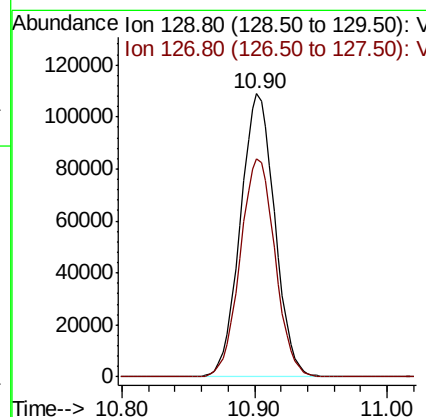
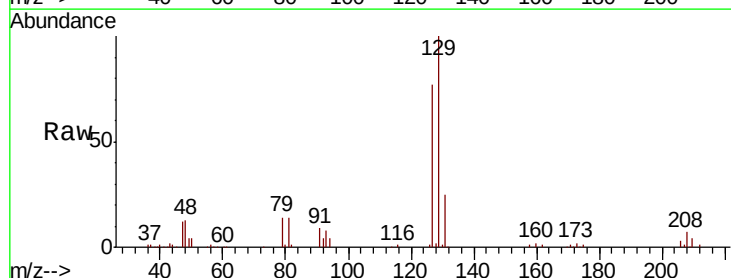
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS02

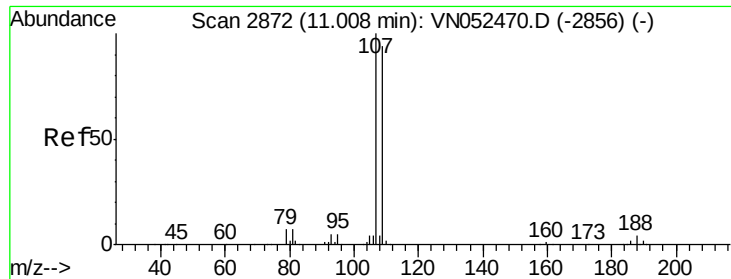
Tot Ion: 43 Resp: 581918
Ion Ratio Lower Upper
43 100
58 55.8 27.4 82.0



#60
Dibromochloromethane
Concen: 20.401 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion: 129 Resp: 195742
Ion Ratio Lower Upper
129 100
127 78.1 38.9 116.6

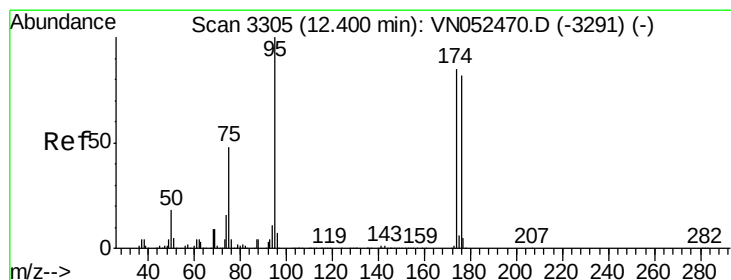
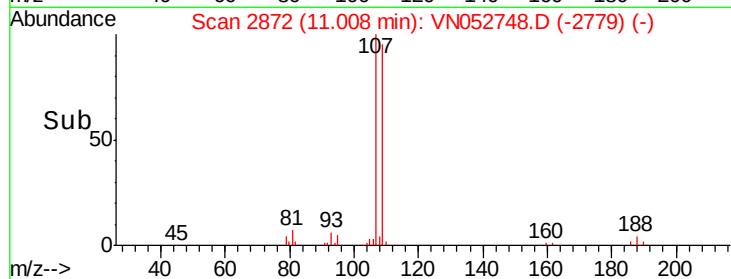
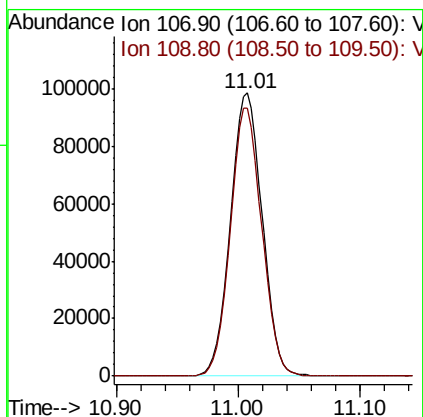
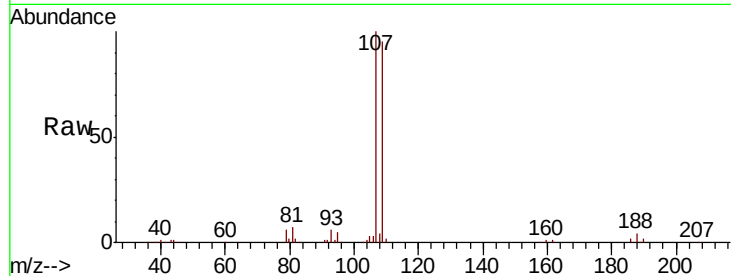




#61
 1,2-Dibromoethane
 Concen: 20.305 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

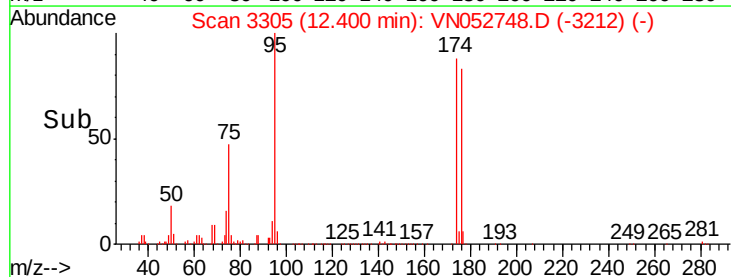
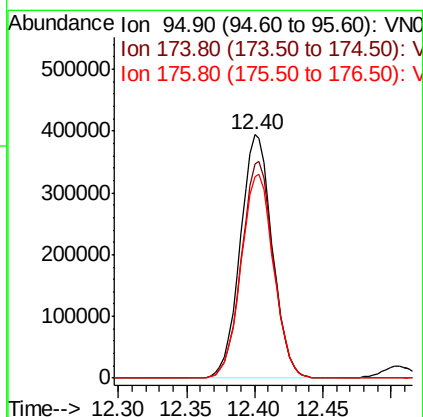
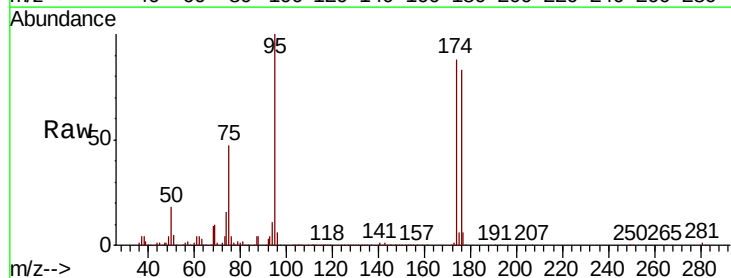
Instrument :
 MSVOA_N
 ClientSampled :
 VN1210WBS02

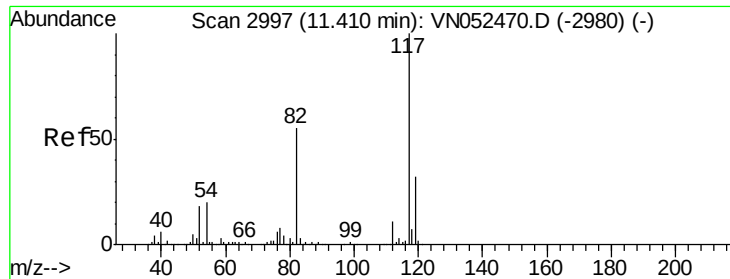
Tot Ion:107 Resp: 178155
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 20.305 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Tgt Ion: 95 Resp: 640918
 Ion Ratio Lower Upper
 95 100
 174 88.8 0.0 173.0
 176 85.1 0.0 166.2

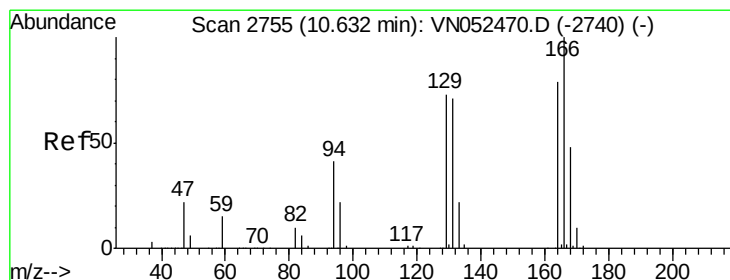
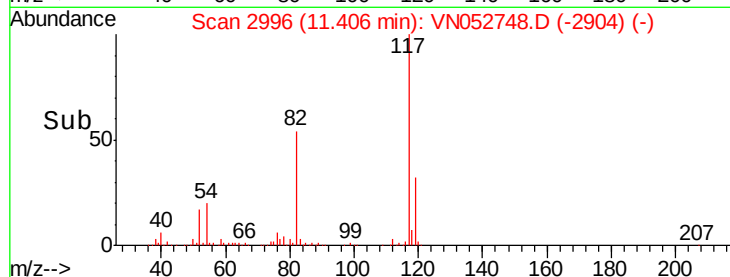
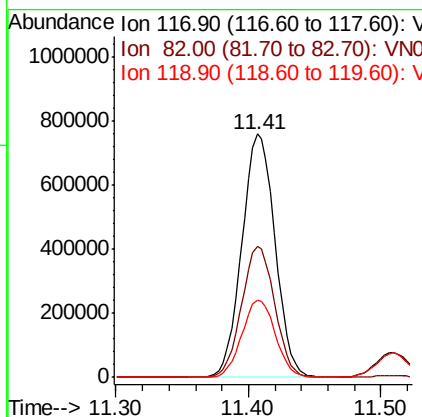
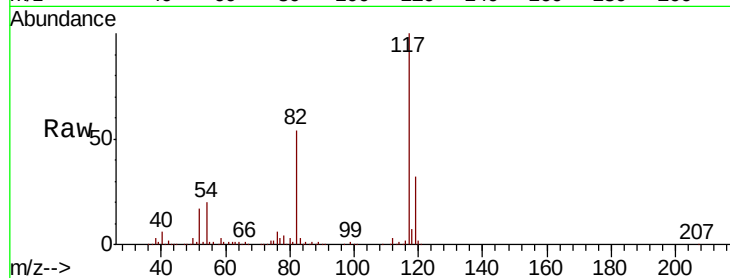




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

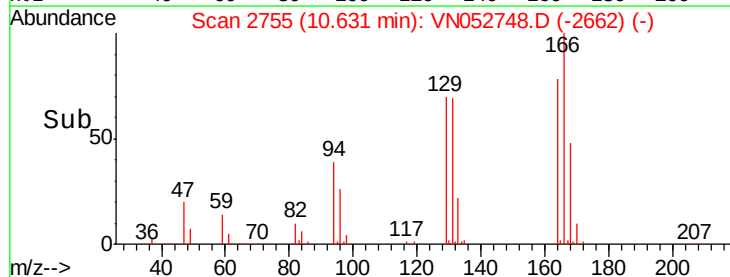
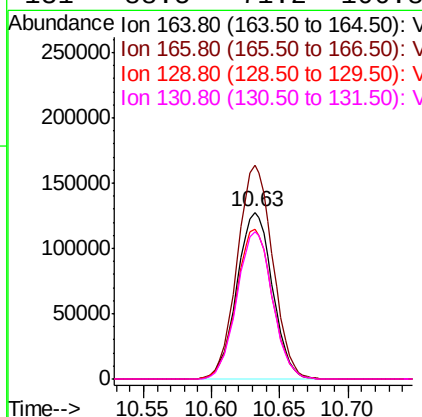
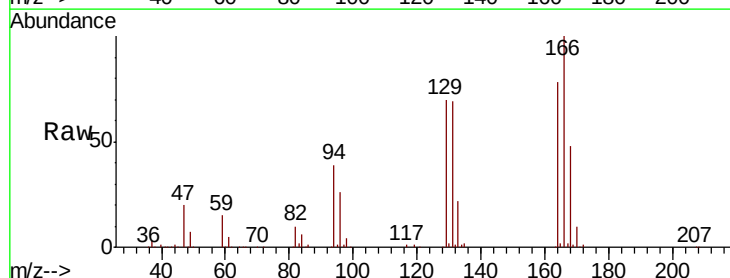
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS02

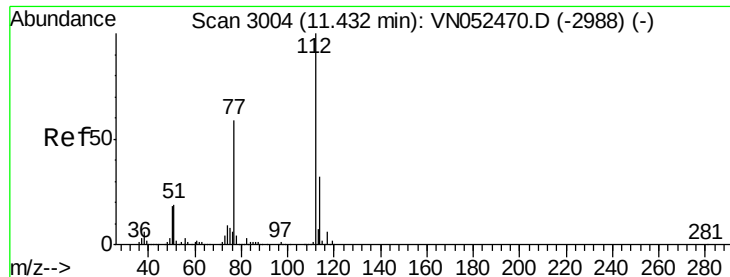
Tot Ion:117 Resp: 1315891
Ion Ratio Lower Upper
117 100
82 53.9 43.6 65.4
119 31.9 25.4 38.2



#64
Tetrachloroethene
Concen: 22.691 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion:164 Resp: 231502
Ion Ratio Lower Upper
164 100
166 128.3 101.0 151.4
129 90.2 73.8 110.6
131 88.5 71.2 106.8





#65

Chlorobenzene

Concen: 20.231 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

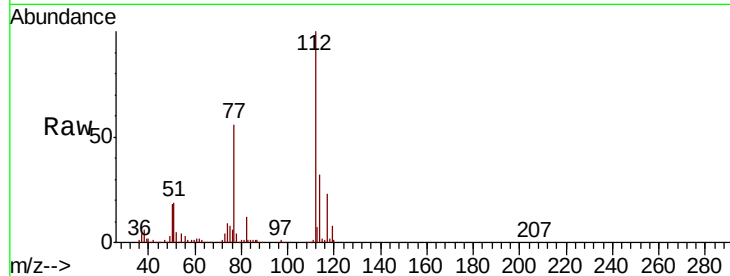
VN1210WBS02

Tot Ion:112 Resp: 548935

Ion Ratio Lower Upper

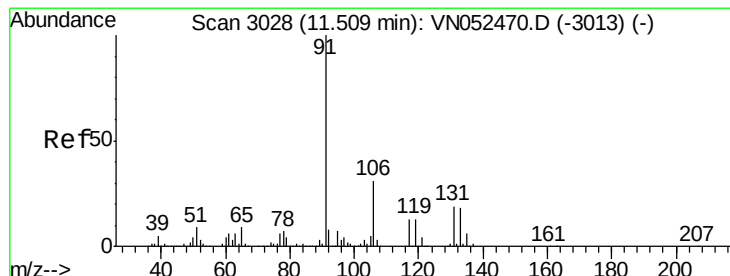
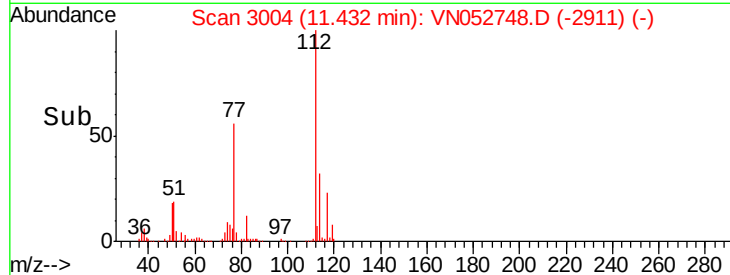
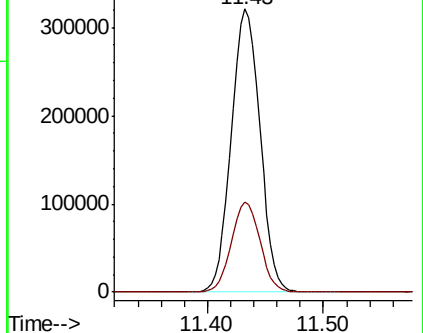
112 100

114 31.8 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.629 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

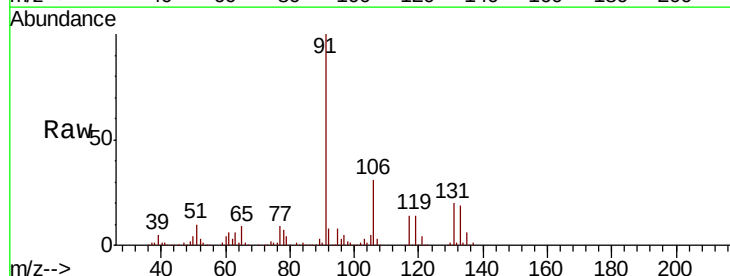
Tgt Ion:131 Resp: 194626

Ion Ratio Lower Upper

131 100

133 95.1 47.6 142.8

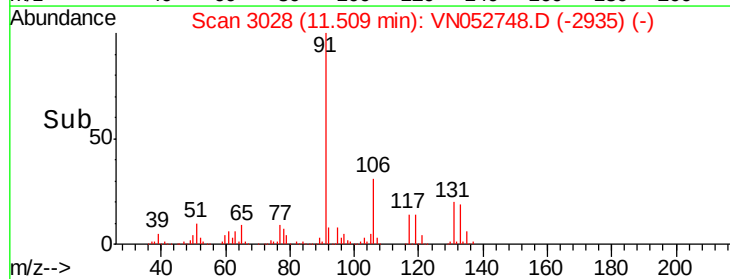
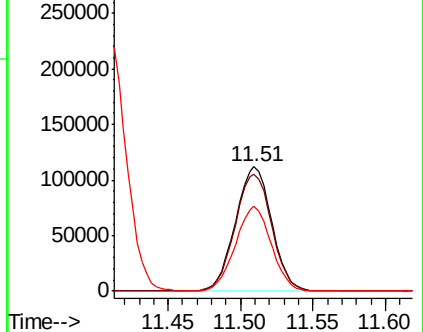
119 67.5 33.2 99.6

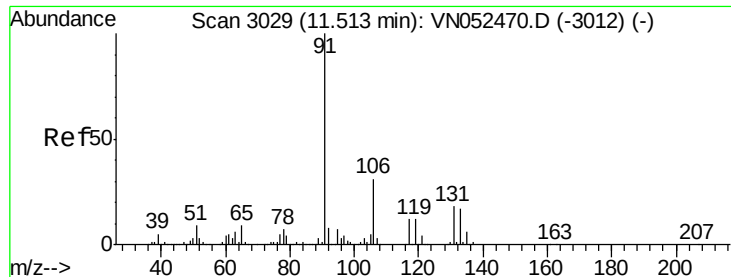


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

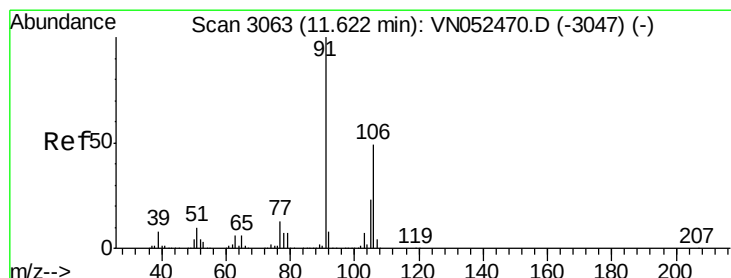
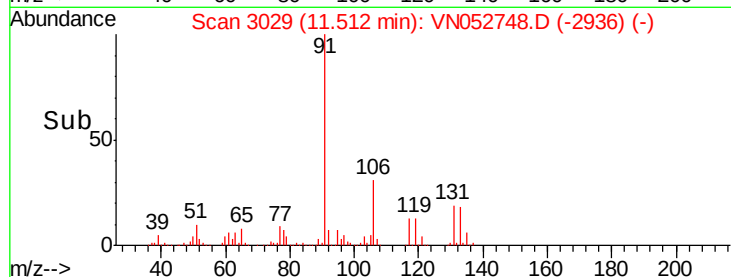
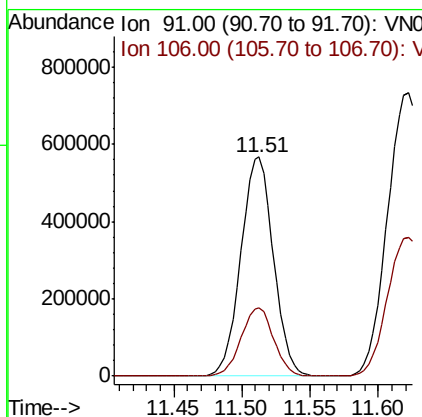
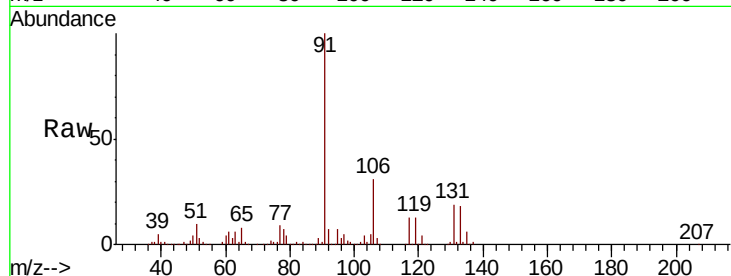




#67
Ethyl Benzene
Concen: 19.730 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

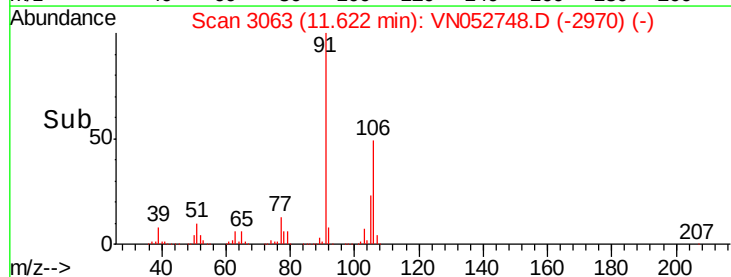
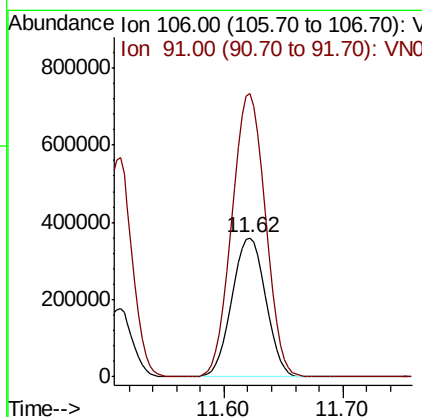
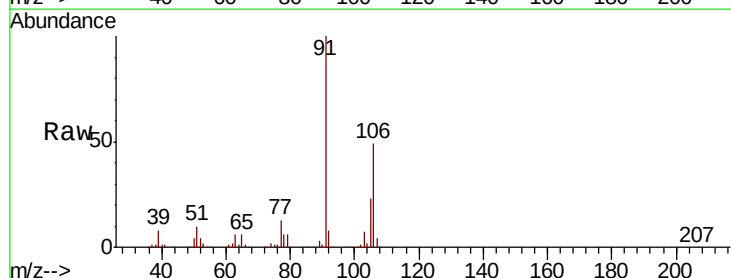
Instrument :
MSVOA_N
ClientSampled :
VN1210WBS02

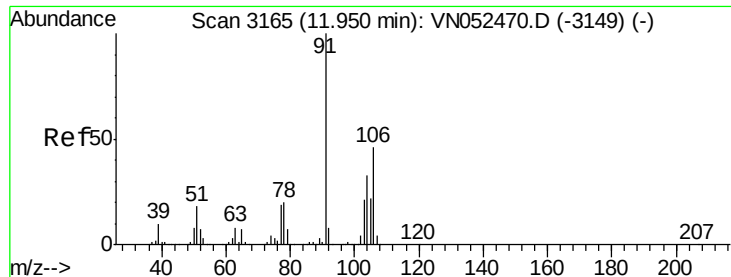
Tot Ion: 91 Resp: 937486
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3



#68
m/p-Xylenes
Concen: 40.140 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion: 106 Resp: 710034
Ion Ratio Lower Upper
106 100
91 201.8 163.2 244.8

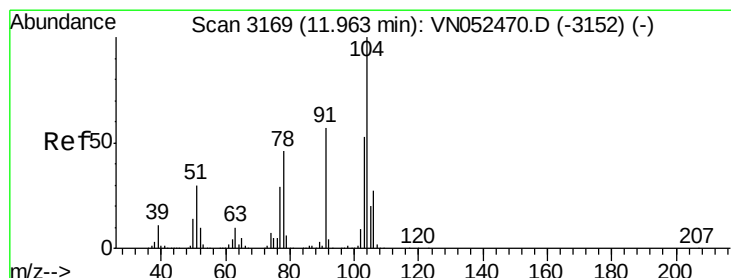
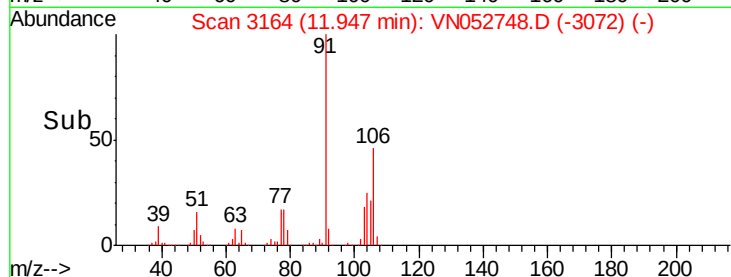
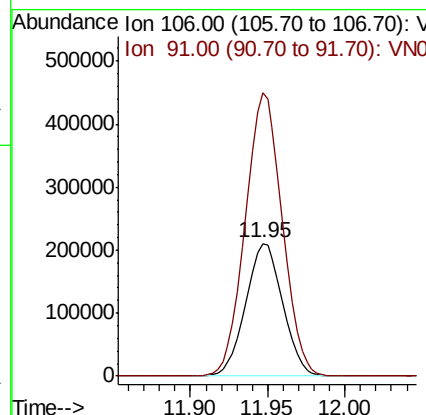
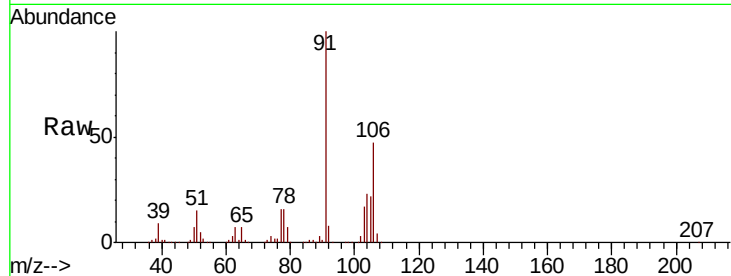




#69
o-Xylene
Concen: 20.400 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

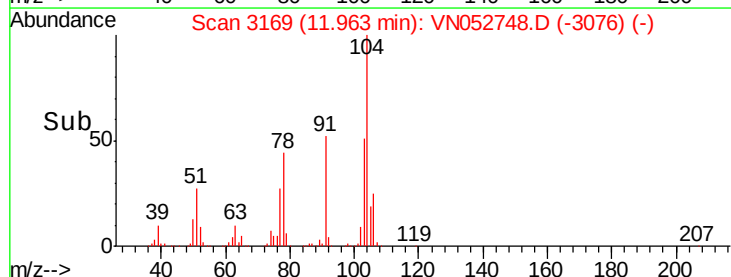
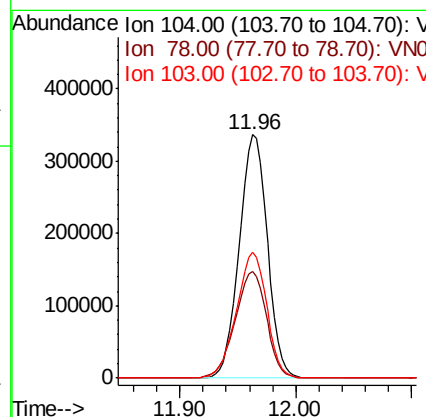
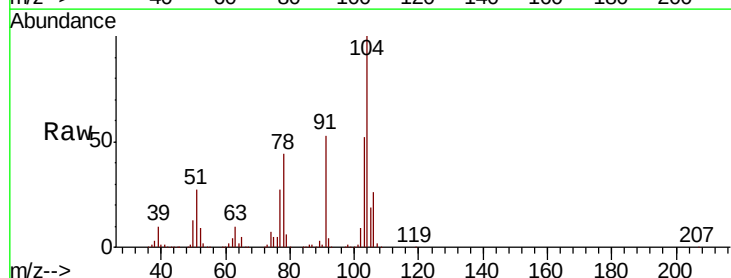
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS02

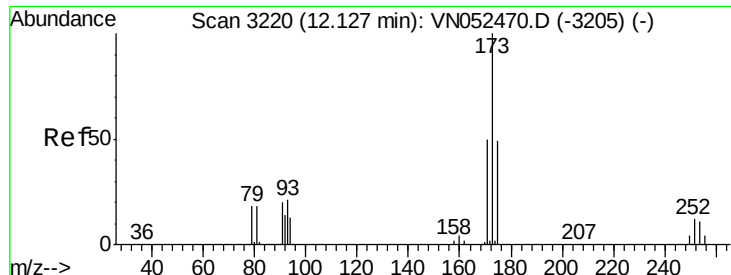
Tot Ion:106 Resp: 350428
Ion Ratio Lower Upper
106 100
91 213.6 107.7 323.1



#70
Styrene
Concen: 20.624 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion:104 Resp: 564262
Ion Ratio Lower Upper
104 100
78 48.9 39.4 59.2
103 55.7 44.9 67.3

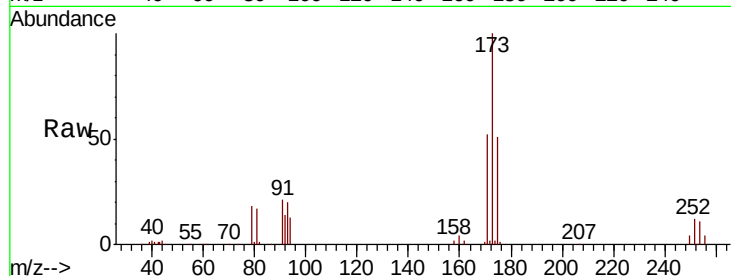




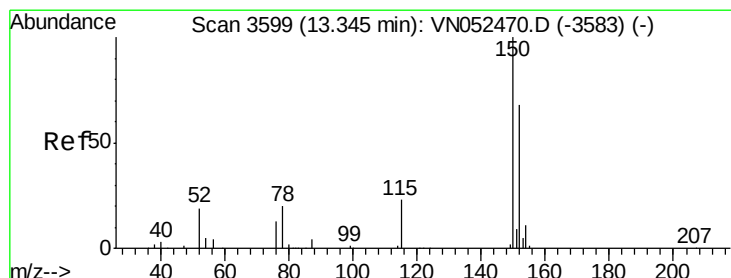
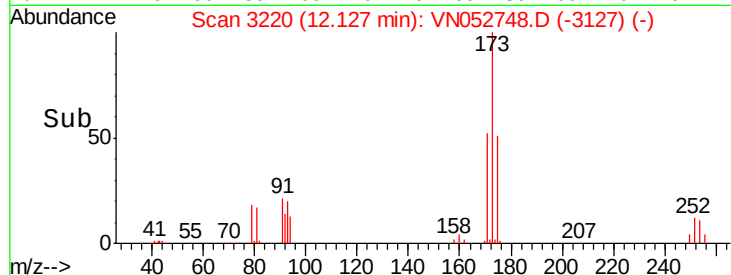
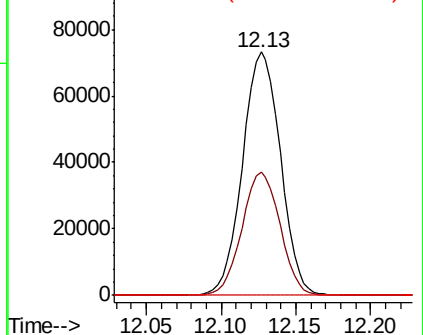
#71
Bromoform
Concen: 20.730 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS02

Tot Ion:173 Resp: 129498
Ion Ratio Lower Upper
173 100
175 50.8 24.4 73.2
254 0.0 0.1 0.1#

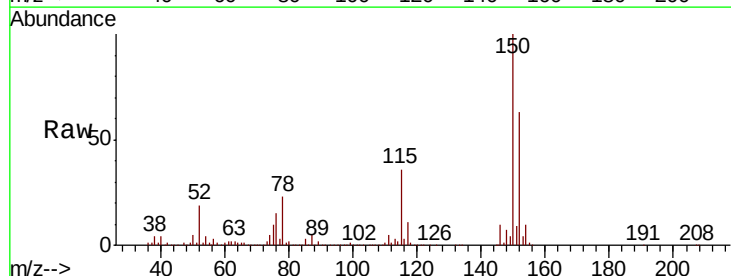


Abundance Ion 172.70 (172.40 to 173.40): V
100000 Ion 174.70 (174.40 to 175.40): V
80000 Ion 254.40 (254.10 to 255.10): V

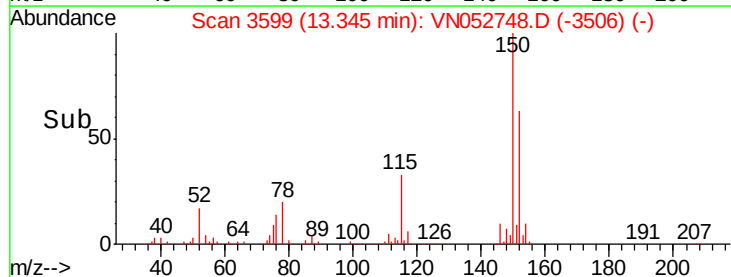
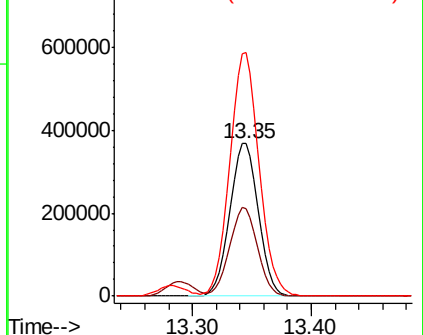


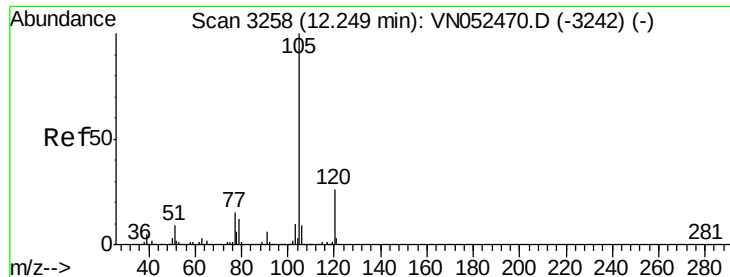
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion:152 Resp: 608368
Ion Ratio Lower Upper
152 100
115 57.1 28.4 85.2
150 163.8 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V
800000 Ion 114.90 (114.60 to 115.60): V
600000 Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.507 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

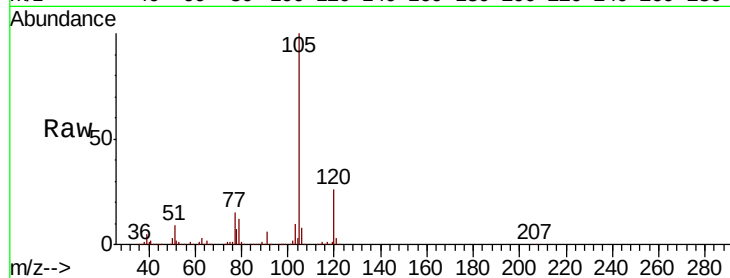
VN1210WBS02

Tot Ion:105 Resp: 931076

Ion Ratio Lower Upper

105 100

120 26.6 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

400000

200000

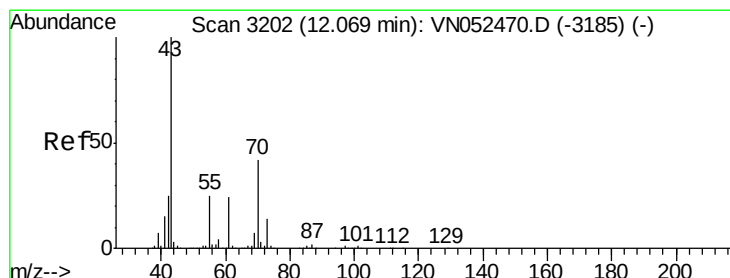
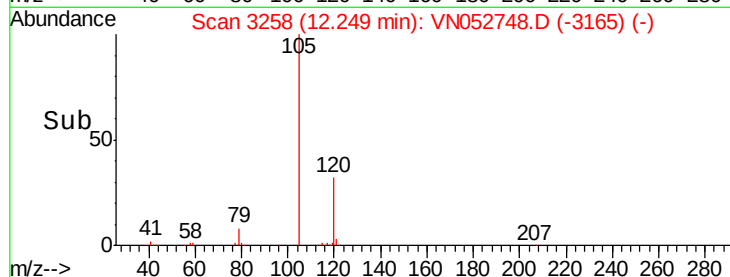
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 21.723 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Tgt Ion: 43 Resp: 261944

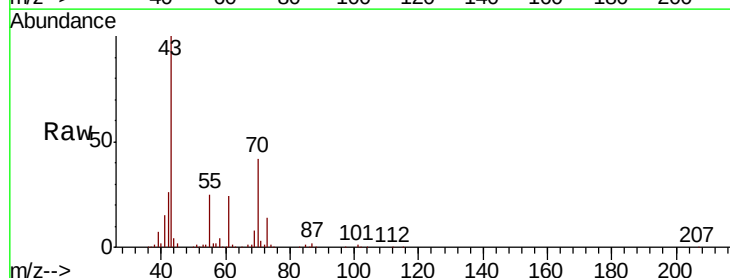
Ion Ratio Lower Upper

43 100

70 42.3 33.8 50.8

55 25.2 20.0 30.0

61 24.5 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

250000

200000

150000

100000

50000

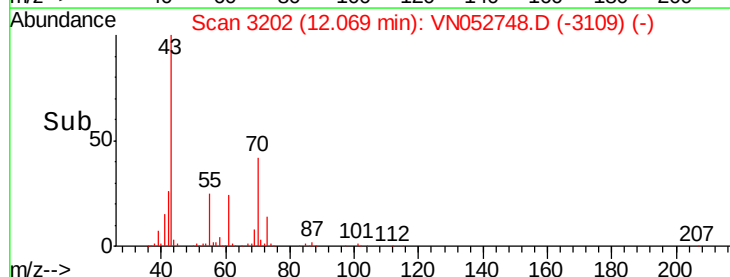
0

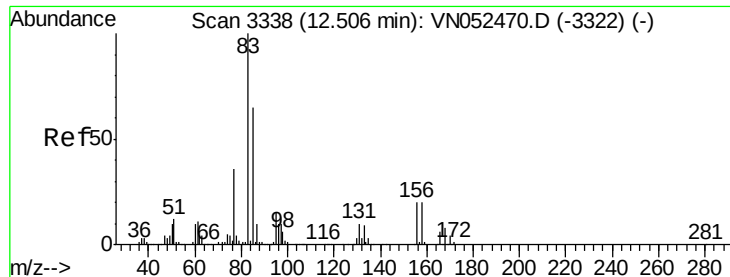
12.00

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.963 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS02

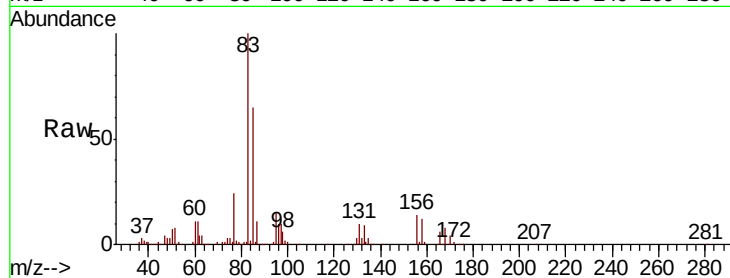
Tot Ion: 83 Resp: 205889

Ion Ratio Lower Upper

83 100

131 10.6 5.0 15.0

85 64.9 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN052748.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN052748.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN052748.D (-3322) (-)

12.50

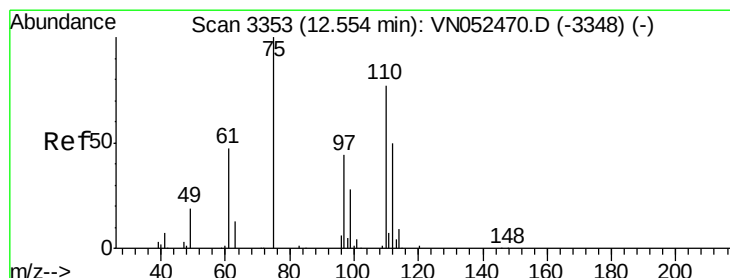
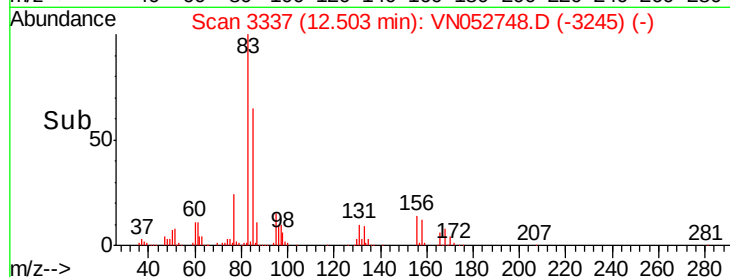
100000

50000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 29.180 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052748.D

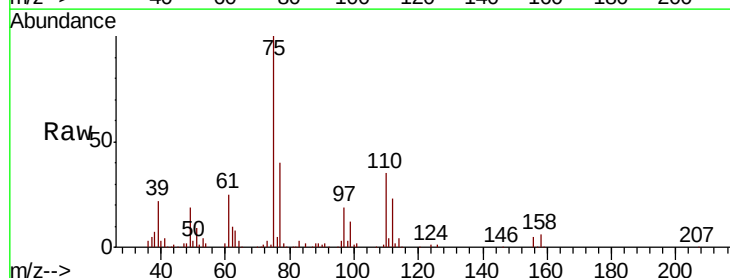
Acq: 10 Dec 2018 12:57

Tgt Ion: 75 Resp: 273748

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052748.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN052748.D (-3353) (-)

250000

200000

150000

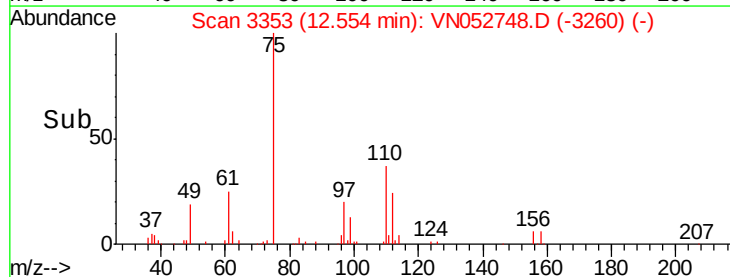
100000

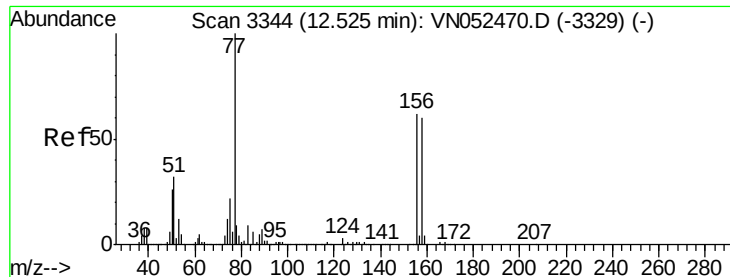
50000

0

12.50 12.55 12.60

Time-->





#77

Bromobenzene

Concen: 20.038 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS02

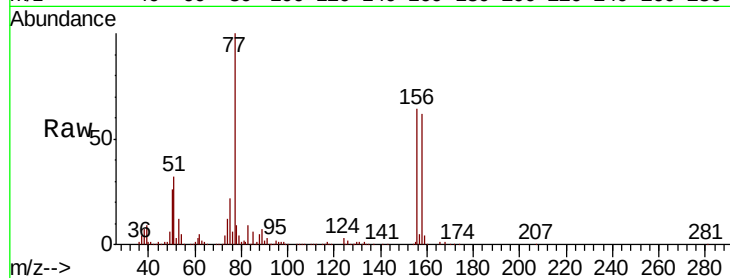
Tot Ion:156 Resp: 236398

Ion Ratio Lower Upper

156 100

77 184.0 93.5 280.4

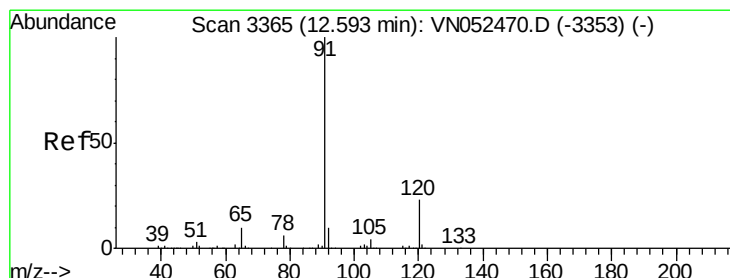
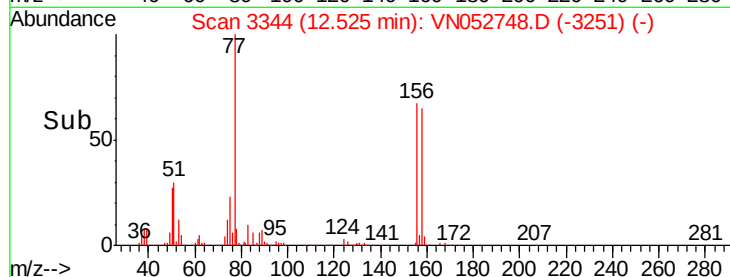
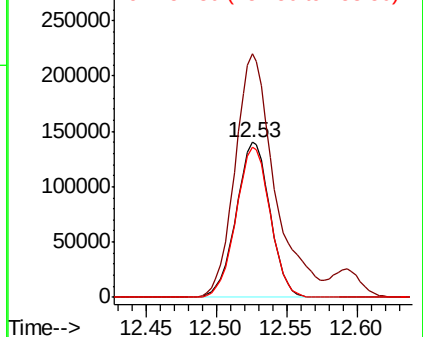
158 97.2 48.3 144.9



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: 19.547 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052748.D

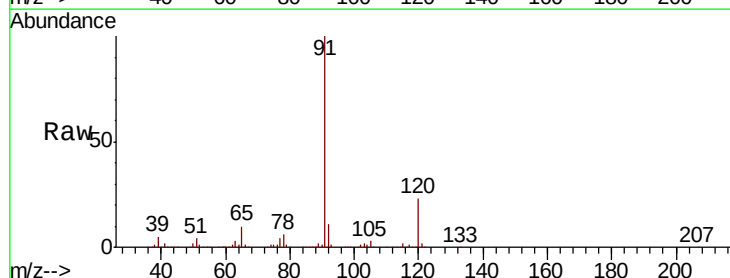
Acq: 10 Dec 2018 12:57

Tgt Ion: 91 Resp: 1059930

Ion Ratio Lower Upper

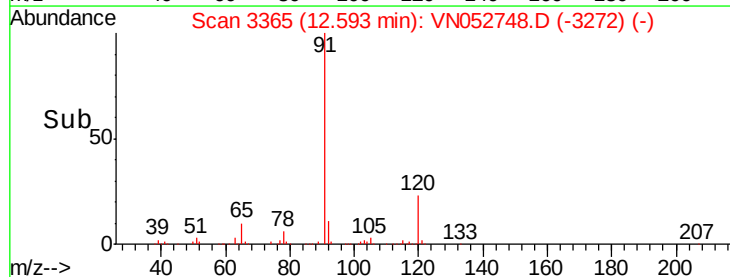
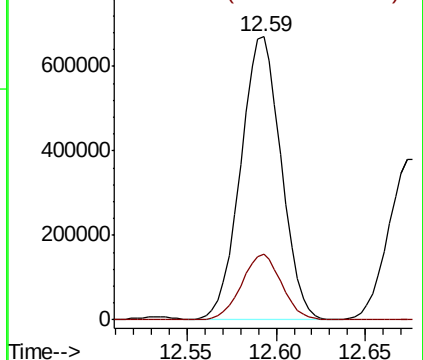
91 100

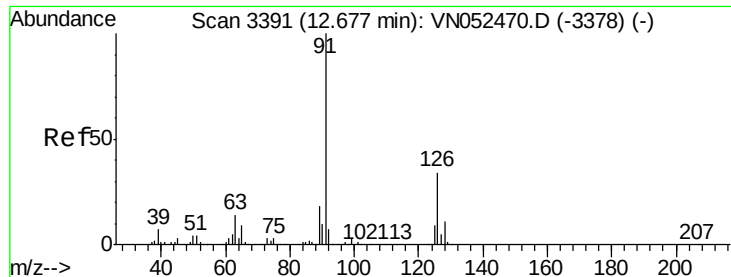
120 23.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.577 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

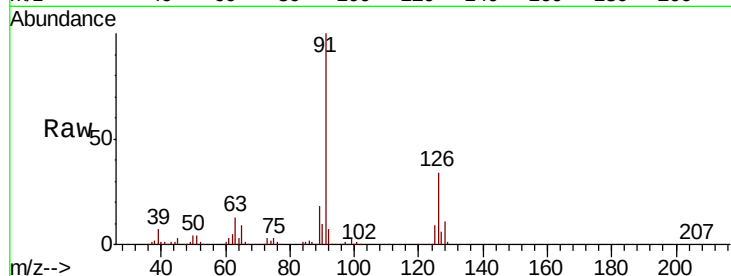
VN1210WBS02

Tot Ion: 91 Resp: 632143

Ion Ratio Lower Upper

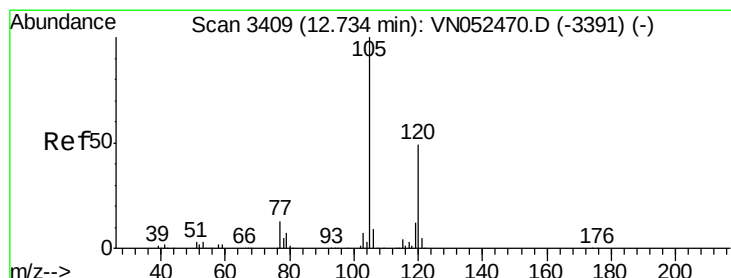
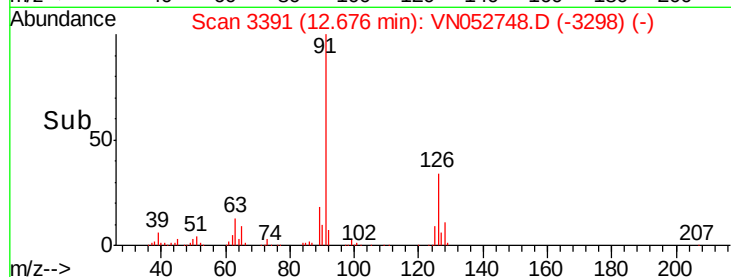
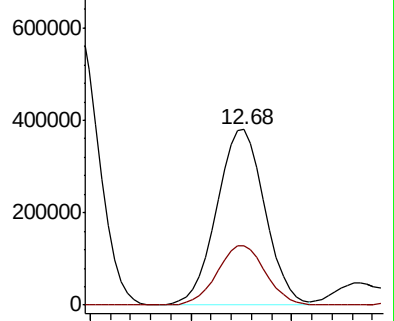
91 100

126 34.2 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN052748.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN052748.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.867 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052748.D

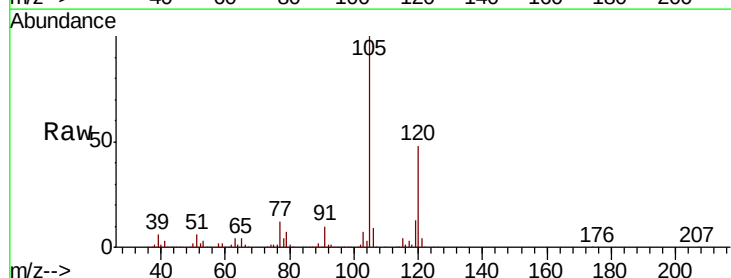
Acq: 10 Dec 2018 12:57

Tgt Ion:105 Resp: 756258

Ion Ratio Lower Upper

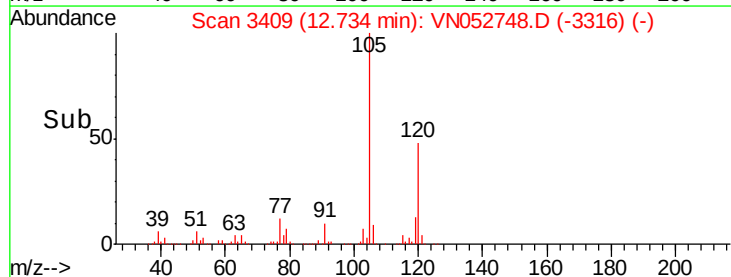
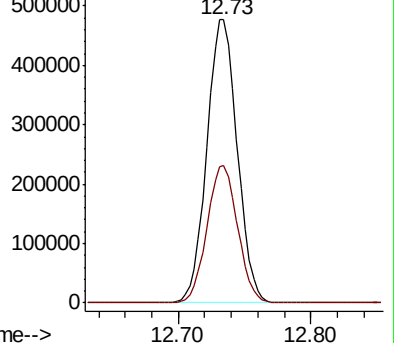
105 100

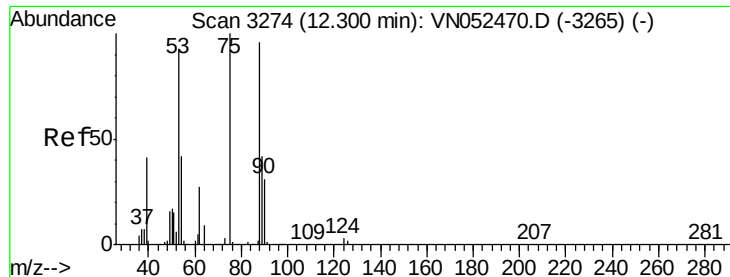
120 48.9 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052748.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN052748.D (-3409) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.983 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampled :

VN1210WBS02

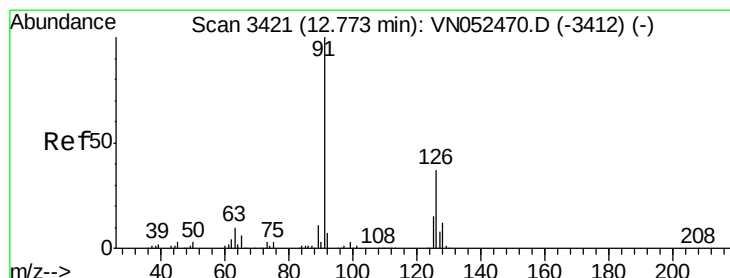
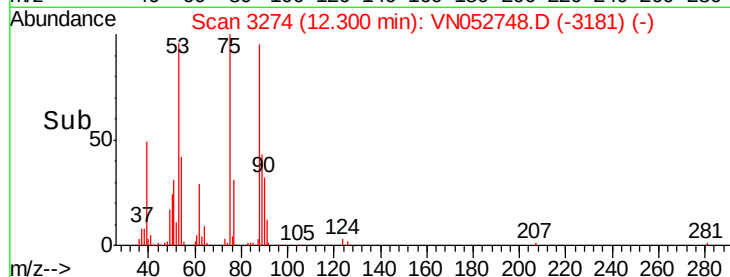
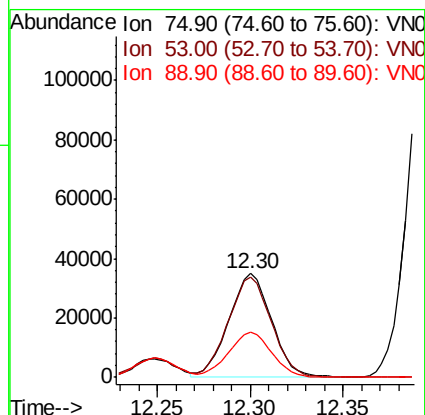
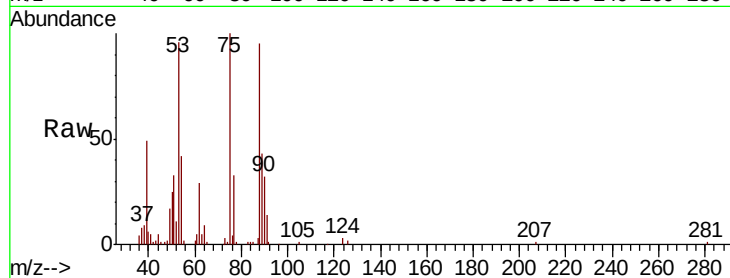
Tot Ion: 75 Resp: 56135

Ion Ratio Lower Upper

75 100

53 97.6 77.4 116.0

89 43.9 35.4 53.2



#82

4-Chlorotoluene

Concen: 19.543 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052748.D

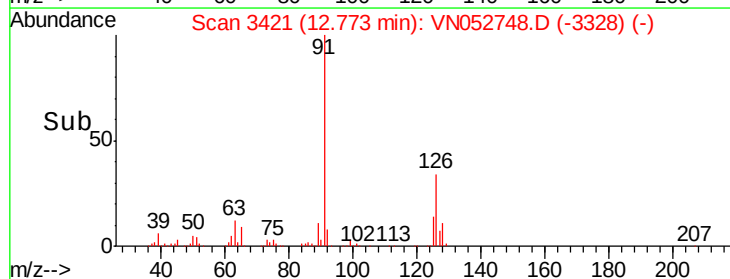
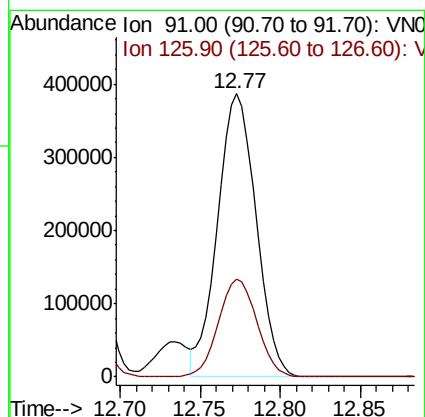
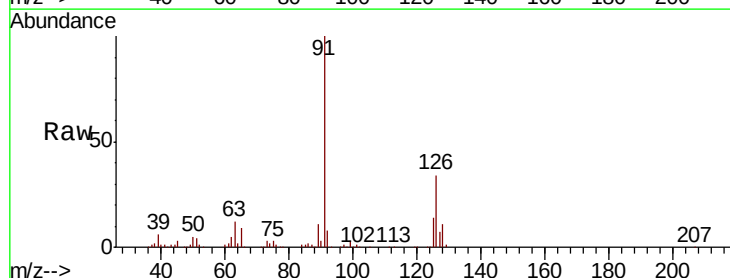
Acq: 10 Dec 2018 12:57

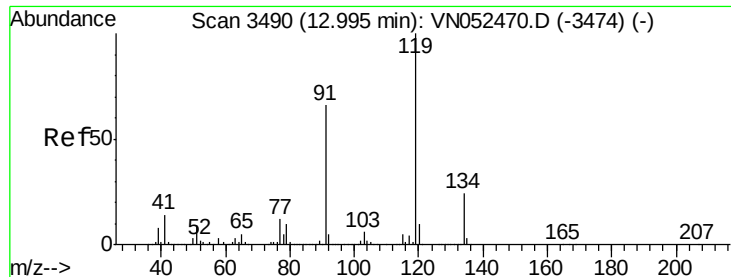
Tgt Ion: 91 Resp: 635995

Ion Ratio Lower Upper

91 100

126 34.5 16.9 50.6

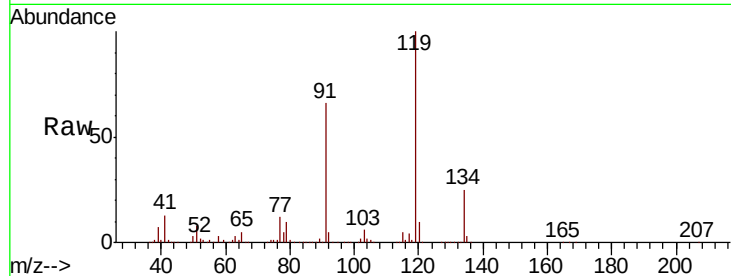




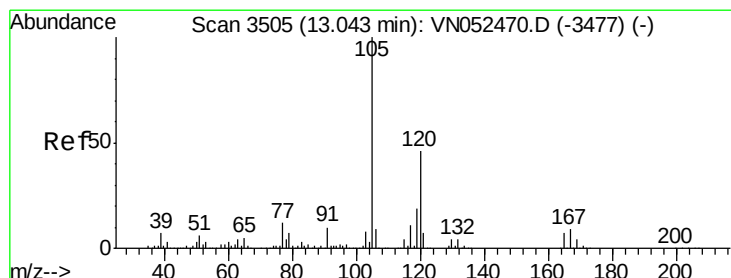
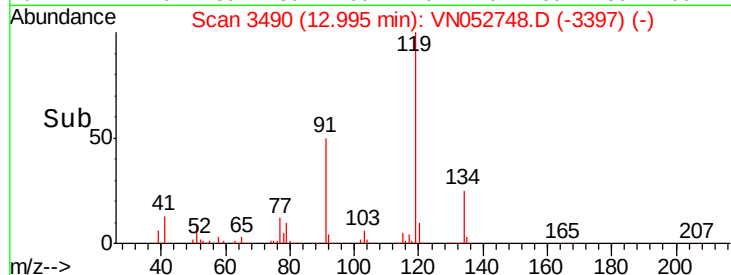
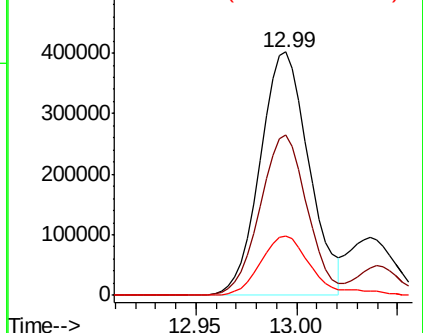
#83
 tert-Butylbenzene
 Concen: 19.931 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN1210WBS02

Tot Ion:119 Resp: 676404
 Ion Ratio Lower Upper
 119 100
 91 64.0 32.3 96.9
 134 25.6 13.0 38.9

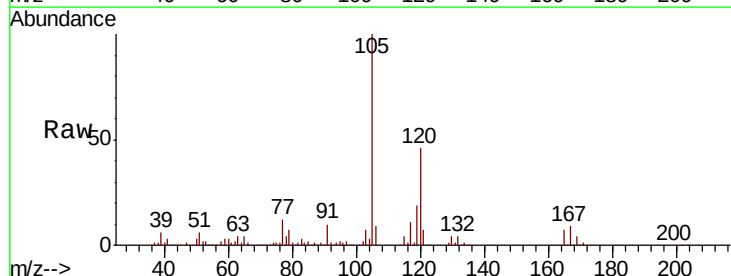


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VN
 Ion 134.00 (133.70 to 134.70): V

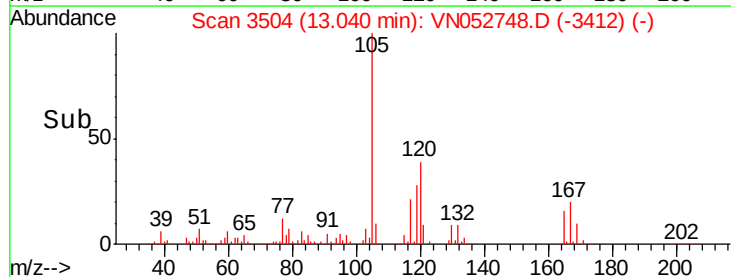
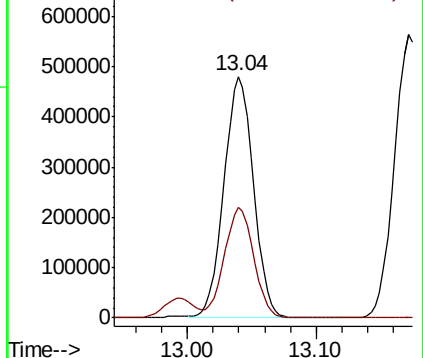


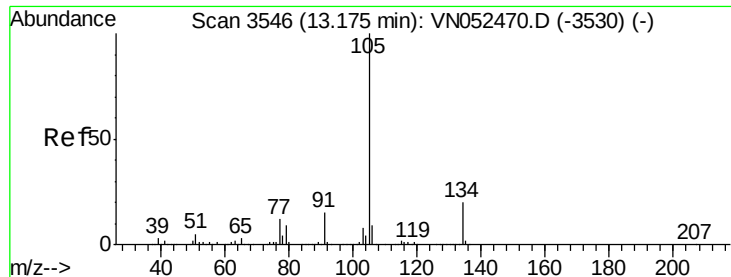
#84
 1,2,4-Trimethylbenzene
 Concen: 19.932 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Tgt Ion:105 Resp: 760378
 Ion Ratio Lower Upper
 105 100
 120 45.7 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: 19.558 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

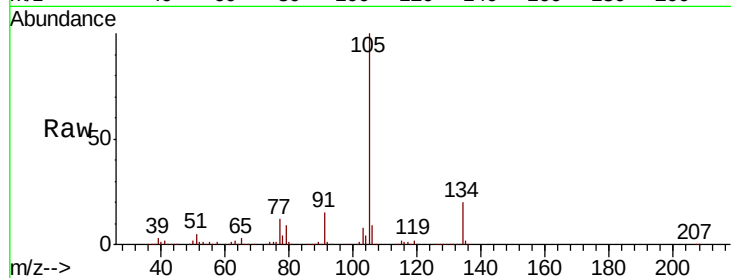
VN1210WBS02

Tot Ion:105 Resp: 904045

Ion Ratio Lower Upper

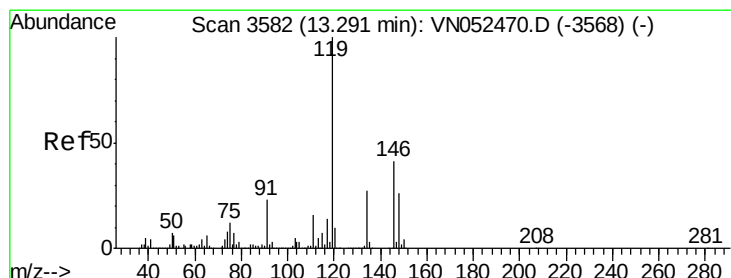
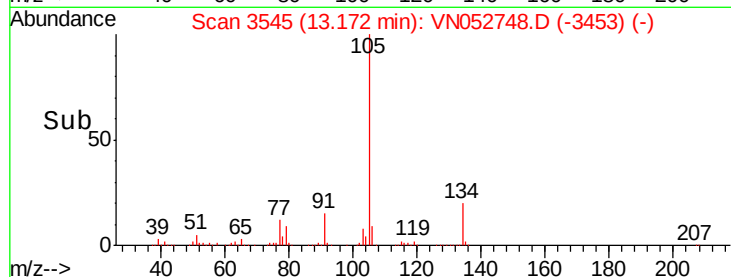
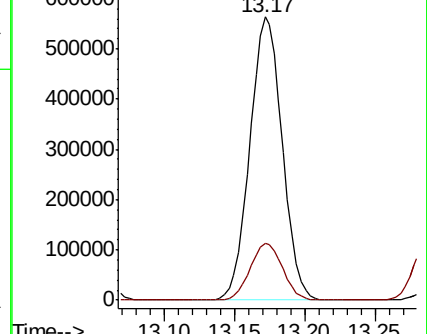
105 100

134 20.2 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: 19.825 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

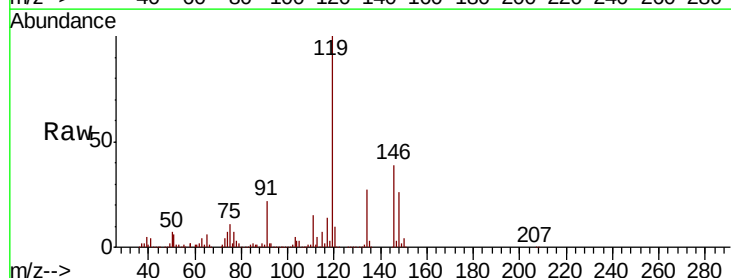
Tgt Ion:119 Resp: 780487

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

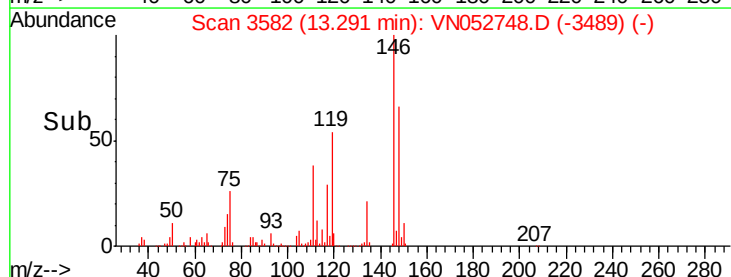
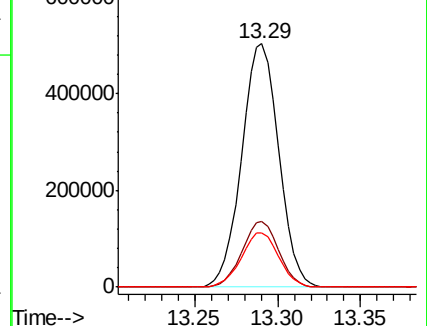
91 22.4 11.4 34.2

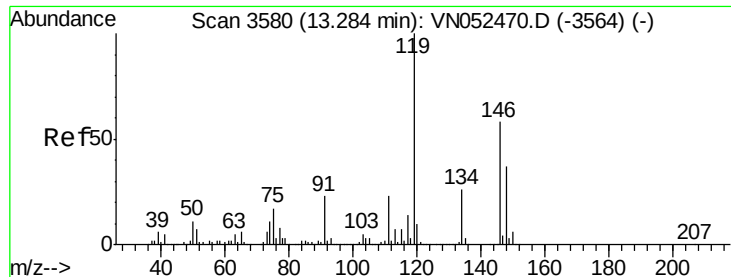


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

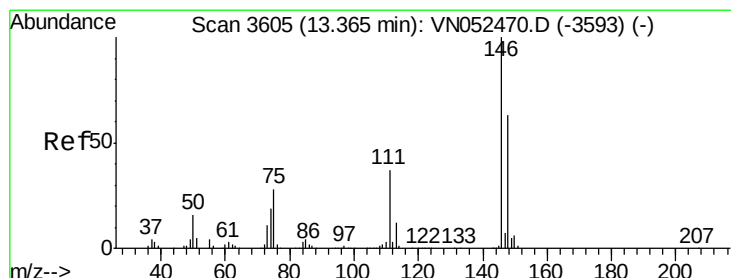
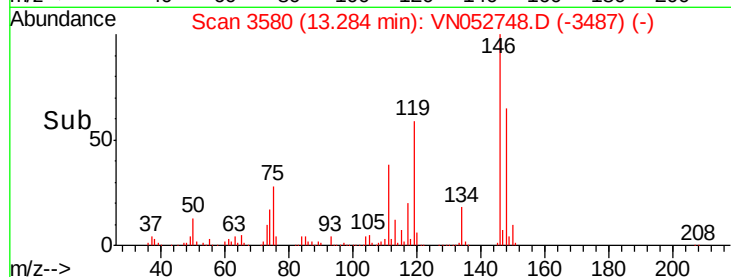
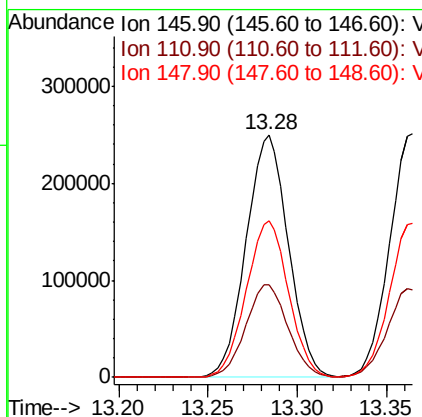
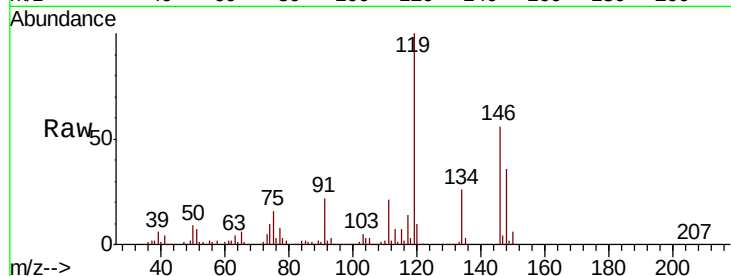




#87
 1,3-Dichlorobenzene
 Concen: 20.045 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

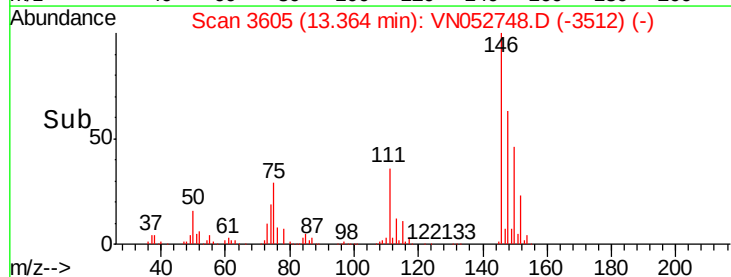
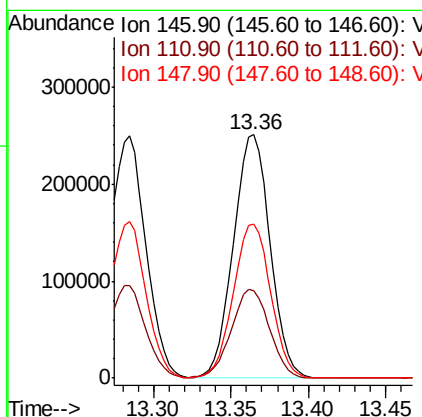
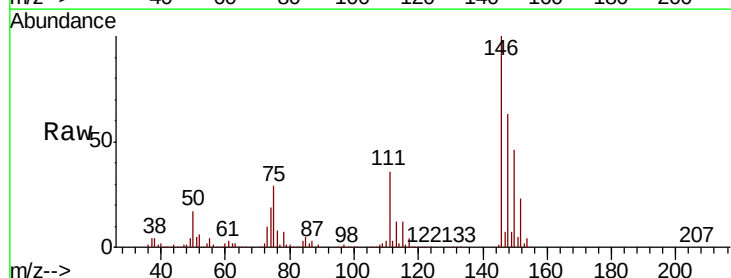
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS02

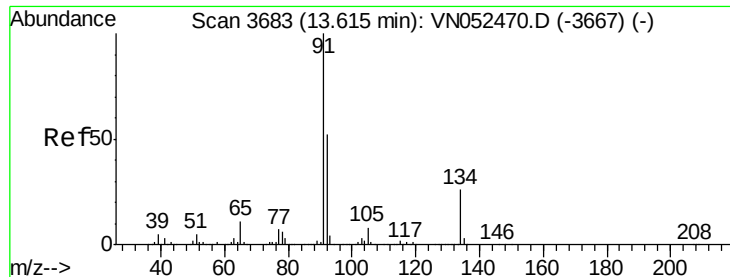
Tot Ion:146 Resp: 413652
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.4 58.4
 148 64.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.349 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Tgt Ion:146 Resp: 413627
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.6 56.0
 148 64.4 31.9 95.9

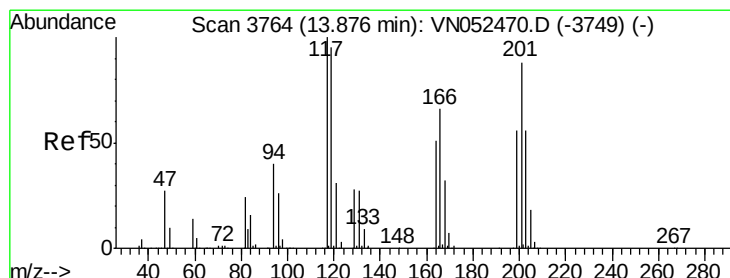
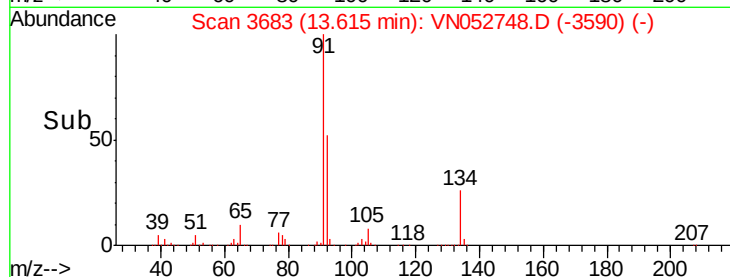
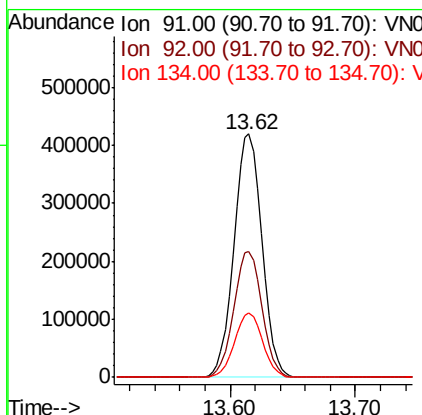
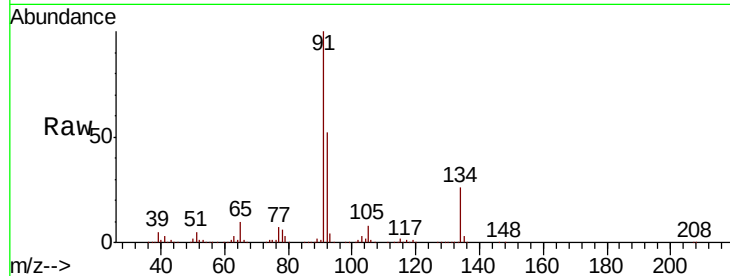




#89
n-Butylbenzene
Concen: 19.820 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

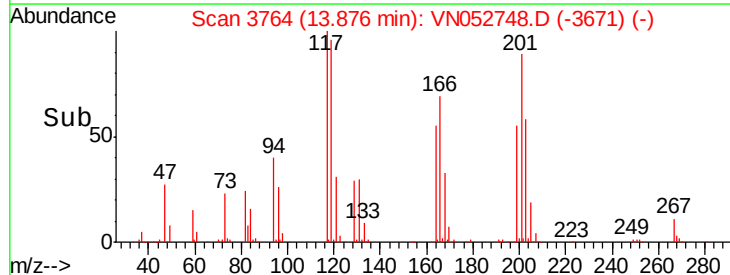
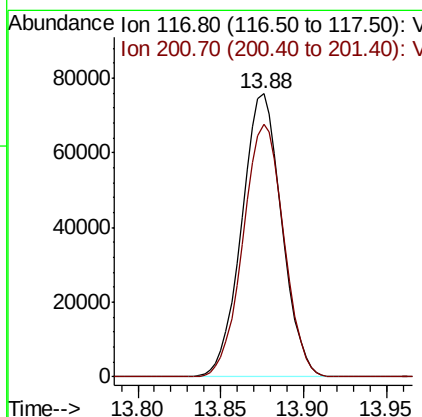
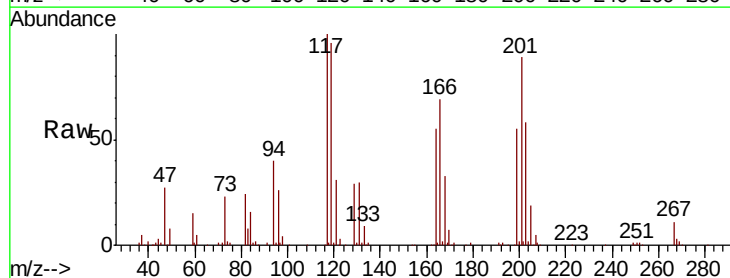
Instrument :
MSVOA_N
ClientSampled :
VN1210WBS02

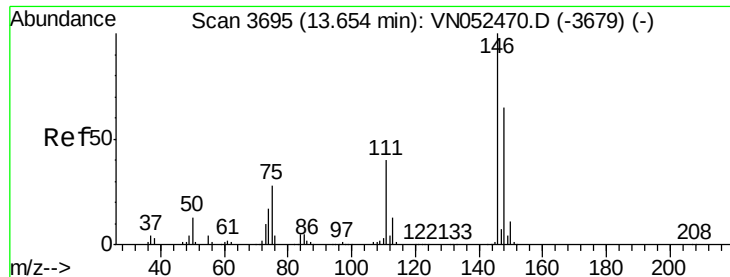
Tot Ion: 91 Resp: 648953
Ion Ratio Lower Upper
91 100
92 52.0 26.1 78.3
134 26.4 13.0 38.9



#90
Hexachloroethane
Concen: 19.175 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion: 117 Resp: 127822
Ion Ratio Lower Upper
117 100
201 90.7 43.6 130.9

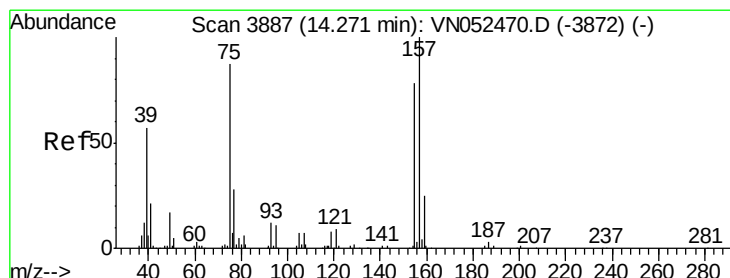
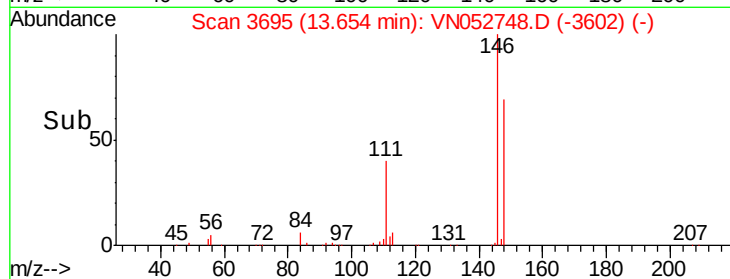
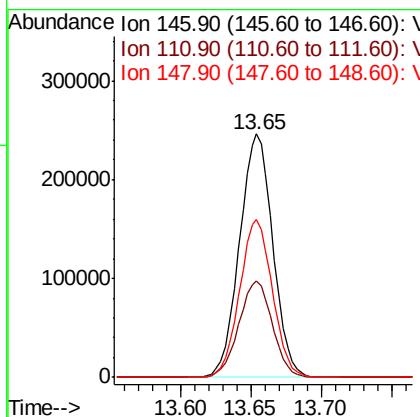
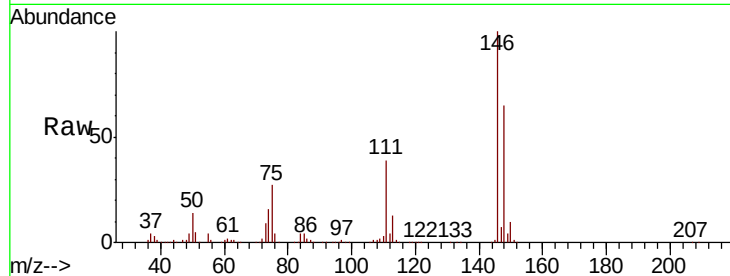




#91
 1,2-Dichlorobenzene
 Concen: 20.607 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

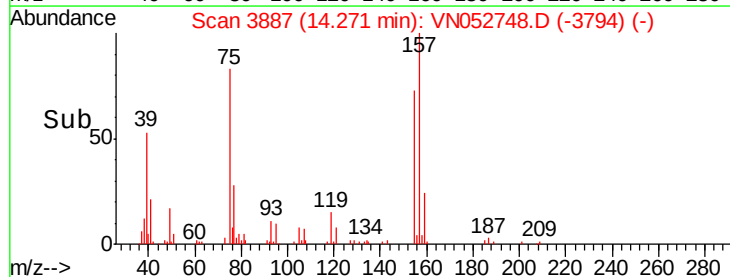
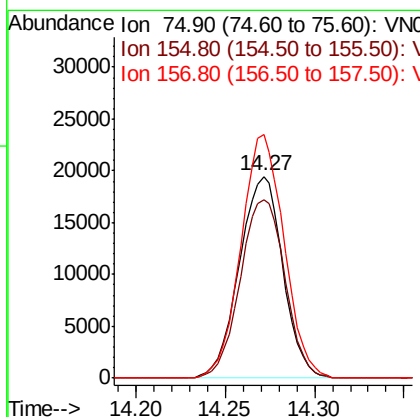
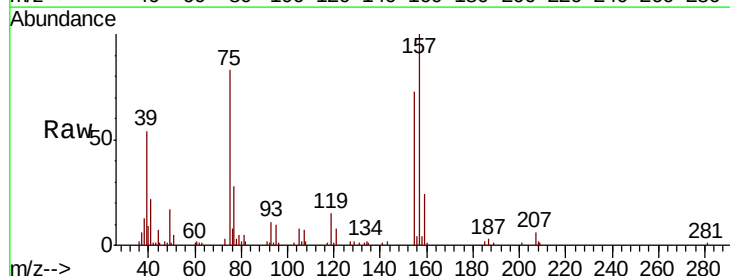
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS02

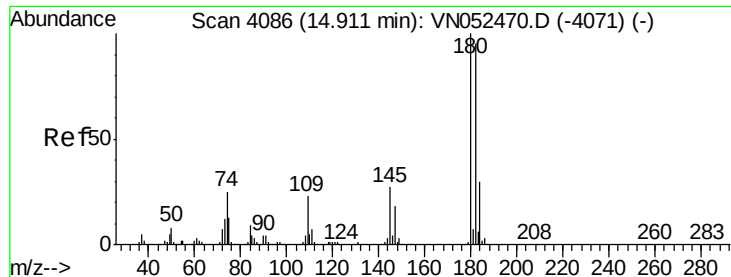
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	60.0
148	64.0	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.401 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.7	45.3	135.9
157	119.5	58.1	174.2

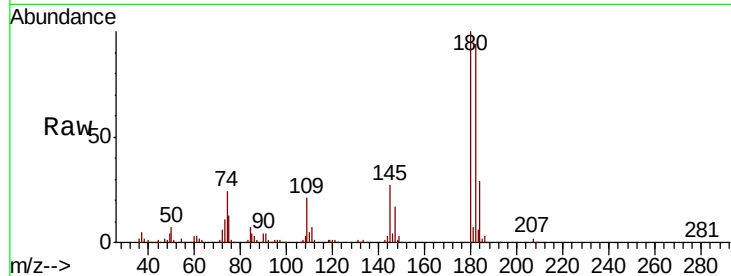




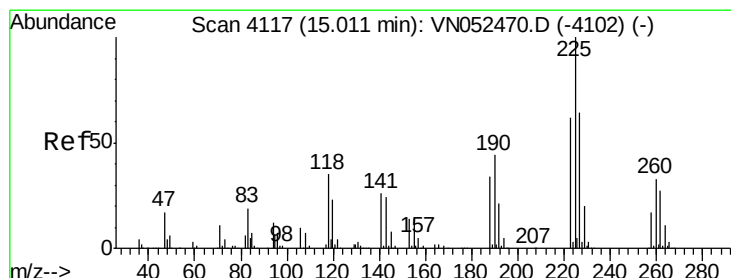
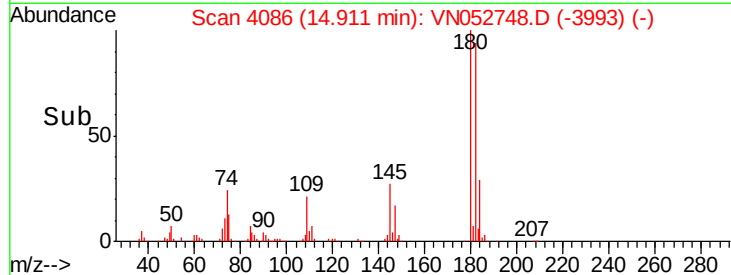
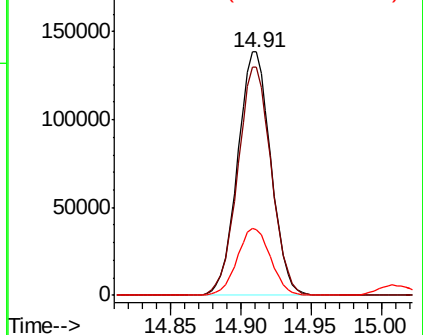
#93
 1,2,4-Trichlorobenzene
 Concen: 22.771 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.8	143.4
145	27.9	14.1	42.3

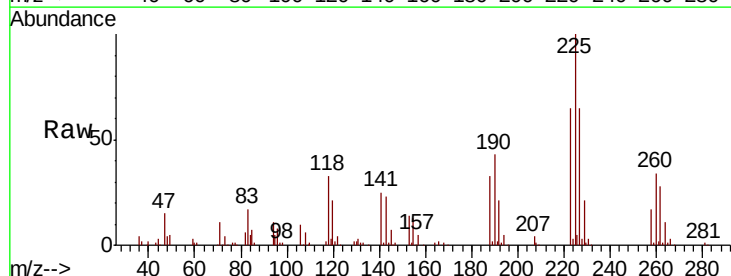


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

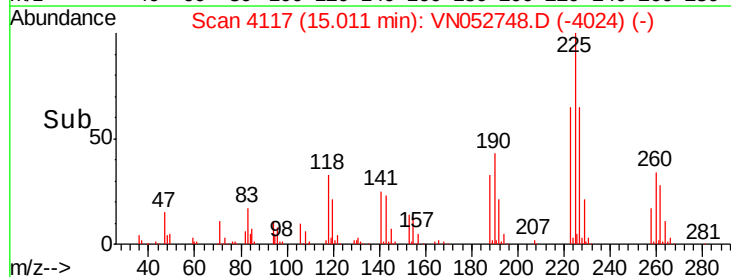
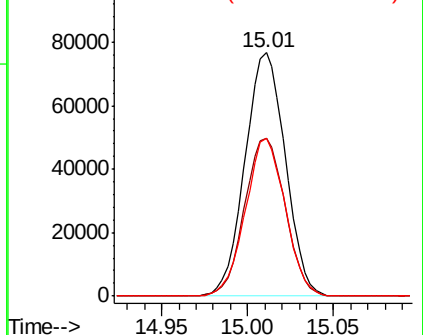


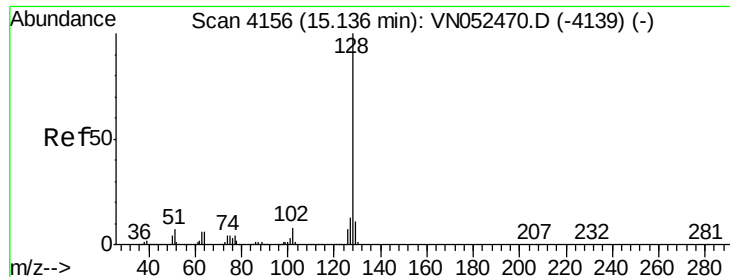
#94
 Hexachlorobutadiene
 Concen: 19.757 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	31.4	94.2
227	63.5	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: 23.587 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS02

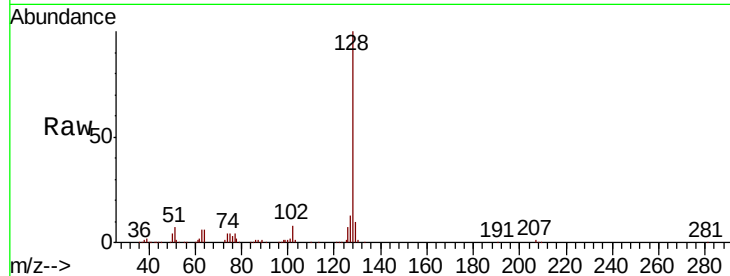
Tot Ion:128 Resp: 495707

Ion Ratio Lower Upper

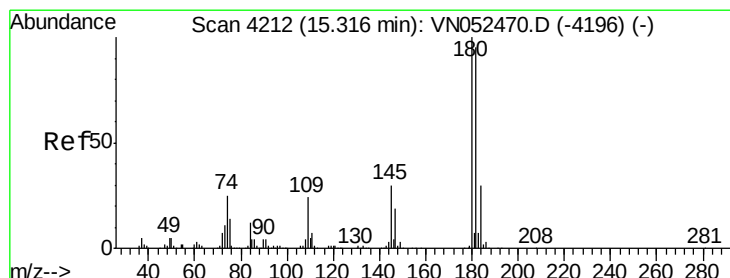
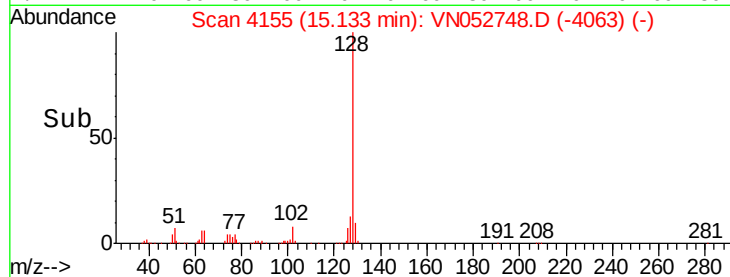
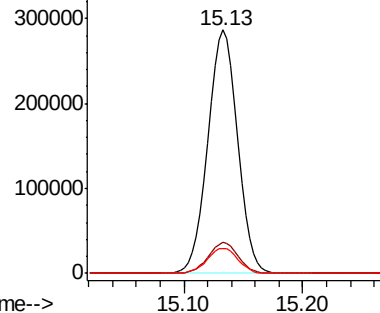
128 100

127 12.6 10.2 15.2

129 10.6 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: 23.195 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

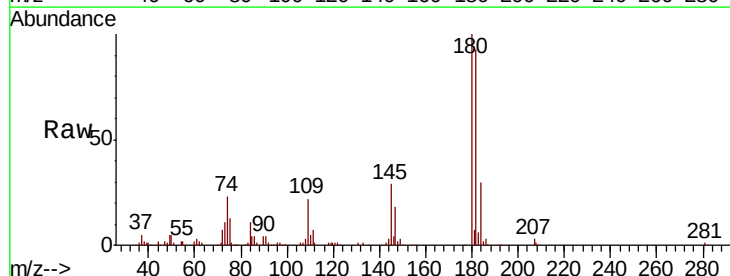
Tgt Ion:180 Resp: 214983

Ion Ratio Lower Upper

180 100

182 94.5 47.8 143.3

145 29.5 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

