

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101118\
 Data File : VN051817.D
 Acq On : 11 Oct 2018 17:30
 Operator : MD\SY
 Sample : VN1011WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 12 06:49:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 11 13:17:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	867690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1262725	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1166675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	559590	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	410983	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
35) Dibromofluoromethane	7.59	113	381255	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
50) Toluene-d8	10.09	98	1456362	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.40	95	492922	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	94841	19.690	ug/l	98
3) Chloromethane	2.06	50	115287	19.761	ug/l	99
4) Vinyl Chloride	2.18	62	175423	20.049	ug/l	97
5) Bromomethane	2.56	94	153075	19.390	ug/l	98
6) Chloroethane	2.70	64	128872	20.058	ug/l	95
7) Trichlorofluoromethane	3.00	101	271280	20.878	ug/l	97
8) Diethyl Ether	3.41	74	73673	20.559	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.76	101	133807	19.312	ug/l	99
10) Methyl Iodide	3.95	142	155707	17.054	ug/l	96
11) Tert butyl alcohol	4.80	59	60986	99.988	ug/l #	93
12) 1,1-Dichloroethene	3.73	96	120806	19.398	ug/l	91
13) Acrolein	3.61	56	61060	107.367	ug/l	99
14) Allyl chloride	4.32	41	150611	19.262	ug/l #	78
15) Acrylonitrile	5.00	53	196787	99.117	ug/l	97
16) Acetone	3.82	43	159745	89.313	ug/l	99
17) Carbon Disulfide	4.05	76	299859	17.786	ug/l	99
18) Methyl Acetate	4.33	43	95928	18.783	ug/l	93
19) Methyl tert-butyl Ether	5.05	73	382194	19.494	ug/l	93
20) Methylene Chloride	4.55	84	140705	19.009	ug/l	89
21) trans-1,2-Dichloroethene	5.04	96	137700	18.830	ug/l	88
22) Diisopropyl ether	5.96	45	338214	19.573	ug/l #	88
23) Vinyl Acetate	5.90	43	1256977	99.433	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	229604	19.342	ug/l	96
25) 2-Butanone	6.84	43	241066	95.377	ug/l #	88
26) 2,2-Dichloropropane	6.83	77	230588	19.185	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	162086	19.228	ug/l	91
28) Bromochloromethane	7.20	49	98763	19.829	ug/l #	69
29) Tetrahydrofuran	7.22	42	152644	101.344	ug/l #	82
30) Chloroform	7.37	83	272646	19.209	ug/l	98
31) Cyclohexane	7.66	56	206912	19.681	ug/l #	81
32) 1,1,1-Trichloroethane	7.57	97	257656	19.335	ug/l	96
36) 1,1-Dichloropropene	7.79	75	191123	18.696	ug/l	95
37) Ethyl Acetate	6.93	43	108294	20.633	ug/l	96
38) Carbon Tetrachloride	7.78	117	226394	19.106	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101118\
 Data File : VN051817.D
 Acq On : 11 Oct 2018 17:30
 Operator : MD\SY
 Sample : VN1011WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 12 06:49:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 11 13:17:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	248424	19.782	ug/l	90
40) Benzene	8.04	78	582770	19.762	ug/l	99
41) Methacrylonitrile	7.18	41	45032	17.797	ug/l #	76
42) 1,2-Dichloroethane	8.13	62	189219	19.573	ug/l	99
43) Isopropyl Acetate	8.17	43	209305	19.774	ug/l #	96
44) Trichloroethene	8.84	130	173518	19.327	ug/l	99
45) 1,2-Dichloropropane	9.12	63	137850	19.881	ug/l	99
46) Dibromomethane	9.21	93	105450	19.817	ug/l	99
47) Bromodichloromethane	9.41	83	211700	19.913	ug/l	96
48) Methyl methacrylate	9.20	41	97822	20.922	ug/l #	82
49) 1,4-Dioxane	9.20	88	33969	401.387	ug/l	88
51) 4-Methyl-2-Pentanone	9.99	43	569662	104.558	ug/l	98
52) Toluene	10.16	92	391771	19.785	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	202692	19.029	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	225213	19.259	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	149057	20.011	ug/l	95
56) Ethyl methacrylate	10.43	69	181724	20.716	ug/l #	88
57) 1,3-Dichloropropane	10.71	76	226548	19.576	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	378108	98.987	ug/l #	89
59) 2-Hexanone	10.75	43	384594	100.504	ug/l	97
60) Dibromochloromethane	10.90	129	166332	18.809	ug/l	97
61) 1,2-Dibromoethane	11.01	107	153098	19.956	ug/l	99
64) Tetrachloroethene	10.63	164	170753	19.083	ug/l	99
65) Chlorobenzene	11.44	112	449526	19.052	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	170105	18.915	ug/l	99
67) Ethyl Benzene	11.51	91	759319	19.440	ug/l	97
68) m/p-Xylenes	11.62	106	599490	37.996	ug/l	98
69) o-Xylene	11.95	106	301774	19.694	ug/l	96
70) Styrene	11.97	104	458989	19.416	ug/l	100
71) Bromoform	12.13	173	109790	17.972	ug/l #	100
73) Isopropylbenzene	12.25	105	801590	18.590	ug/l	99
74) N-amyl acetate	12.07	43	186764	21.840	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	181495	19.163	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	215716	31.076	ug/l #	100
77) Bromobenzene	12.53	156	198761	18.487	ug/l	90
78) n-propylbenzene	12.59	91	866957	19.200	ug/l	97
79) 2-Chlorotoluene	12.68	91	504133	18.534	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	666110	18.958	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	43460	17.884	ug/l	93
82) 4-Chlorotoluene	12.77	91	502297	19.217	ug/l	98
83) tert-Butylbenzene	12.99	119	603923	18.532	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	671197	19.186	ug/l	99
85) sec-Butylbenzene	13.17	105	805801	19.087	ug/l	98
86) p-Isopropyltoluene	13.29	119	729377	19.646	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	348749	18.967	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	337193	18.920	ug/l	98
89) n-Butylbenzene	13.62	91	577224	20.913	ug/l	98
90) Hexachloroethane	13.88	117	112396	16.680	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	346428	19.498	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28489	20.432	ug/l	88

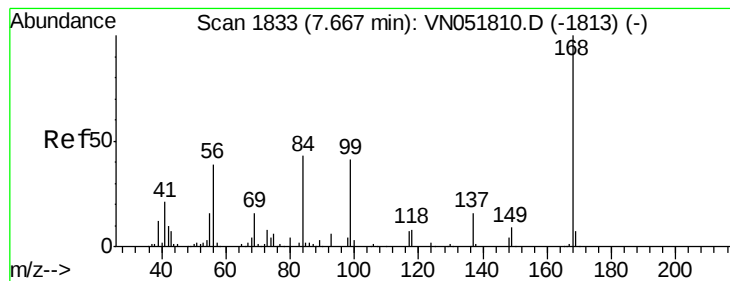
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101118\
Data File : VN051817.D
Acq On : 11 Oct 2018 17:30
Operator : MD\SY
Sample : VN1011WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 12 06:49:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 11 13:17:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	186646	22.085	ug/l	97
94) Hexachlorobutadiene	15.01	225	112409	19.571	ug/l	99
95) Naphthalene	15.13	128	432171	23.516	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	189795	22.501	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

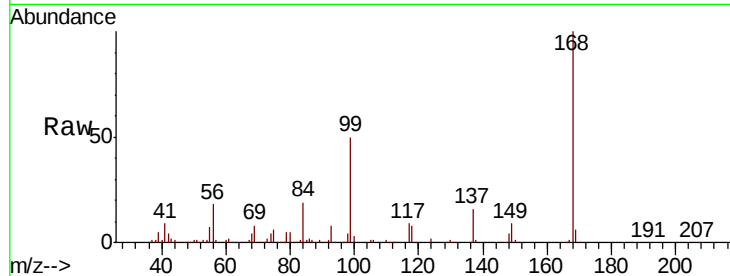
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 867690

Ion Ratio Lower Upper

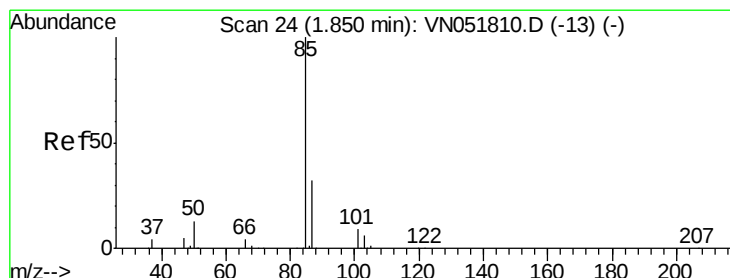
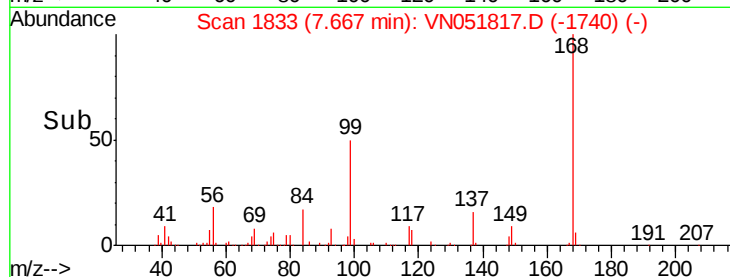
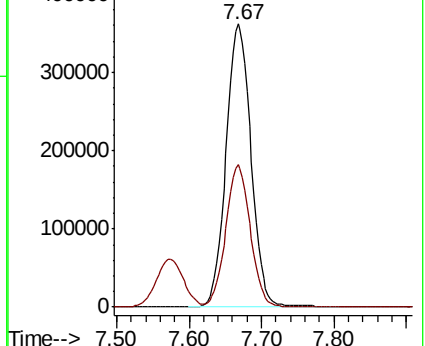
168 100

99 50.2 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.690 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051817.D

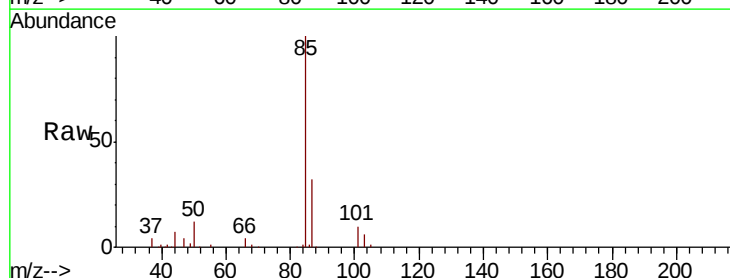
Acq: 11 Oct 2018 17:30

Tgt Ion: 85 Resp: 94841

Ion Ratio Lower Upper

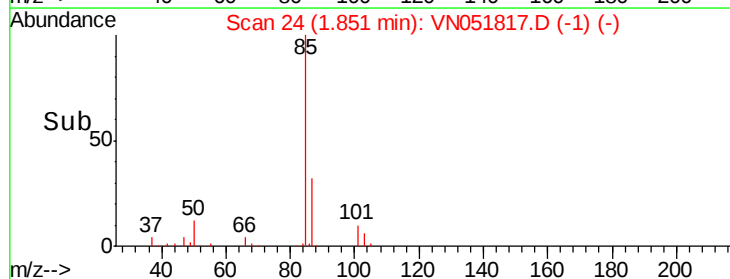
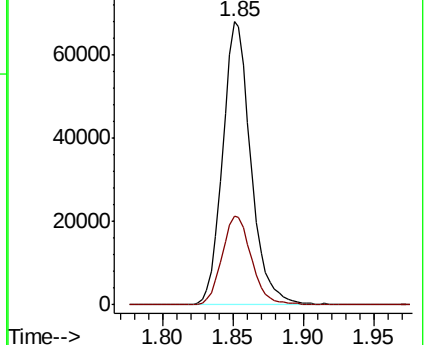
85 100

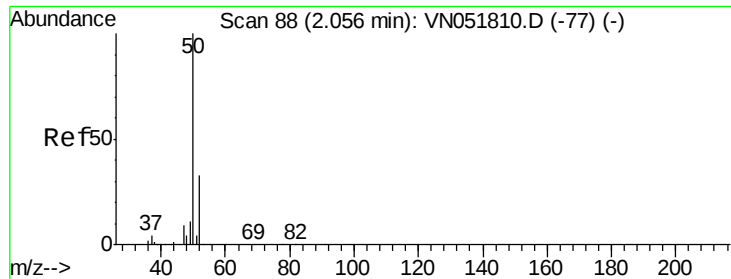
87 31.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.761 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

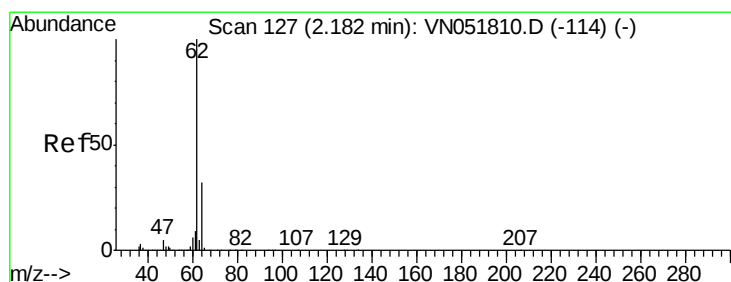
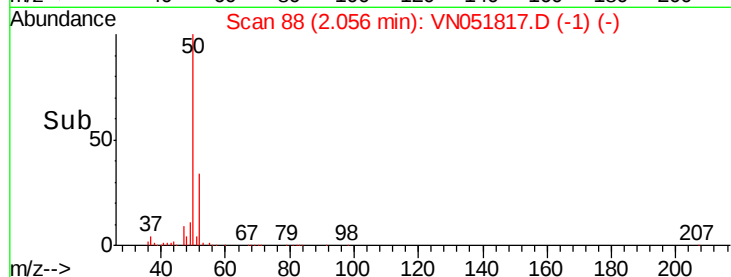
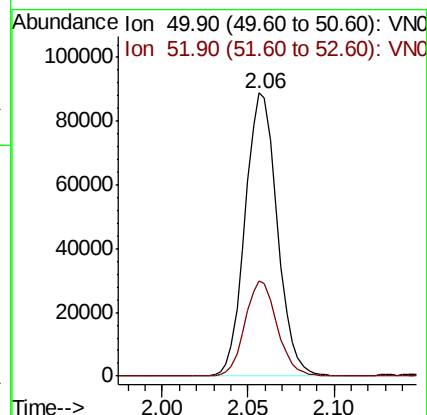
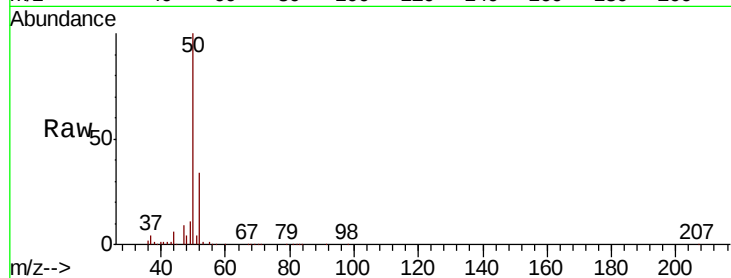
ClientSampleId :

Tot Ion: 50 Resp: 115287

Ion Ratio Lower Upper

50 100

52 33.6 26.3 39.5



#4

Vinyl Chloride

Concen: 20.049 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN051817.D

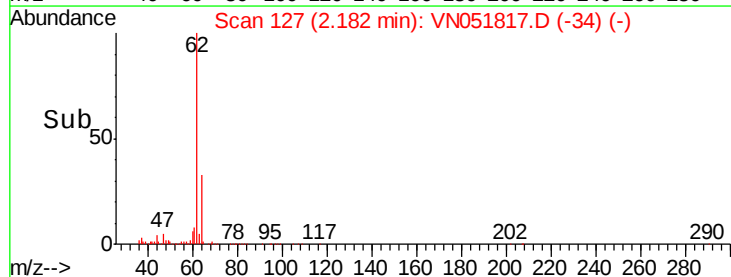
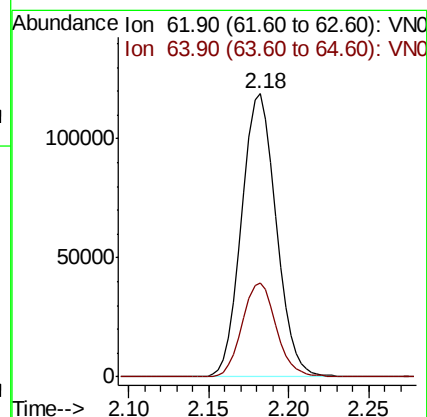
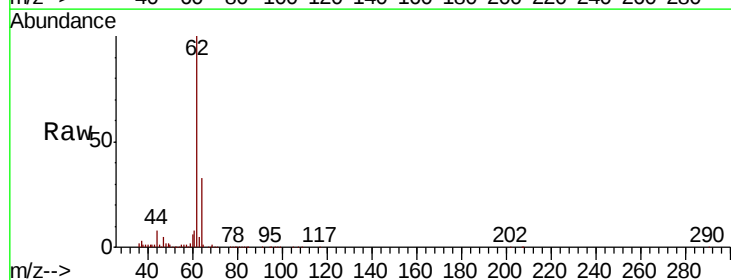
Acq: 11 Oct 2018 17:30

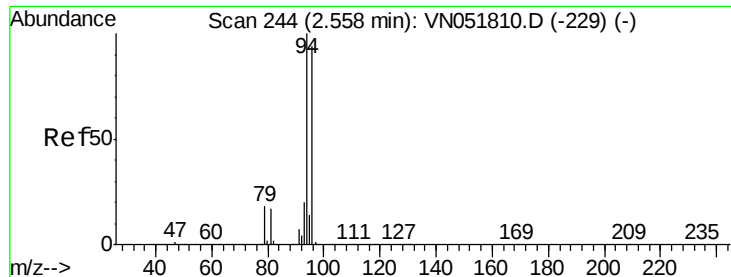
Tgt Ion: 62 Resp: 175423

Ion Ratio Lower Upper

62 100

64 33.3 25.4 38.2





#5

Bromomethane

Concen: 19.390 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

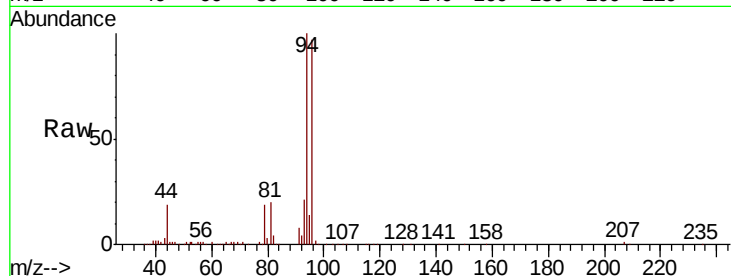
ClientSampled :

Tot Ion: 94 Resp: 153075

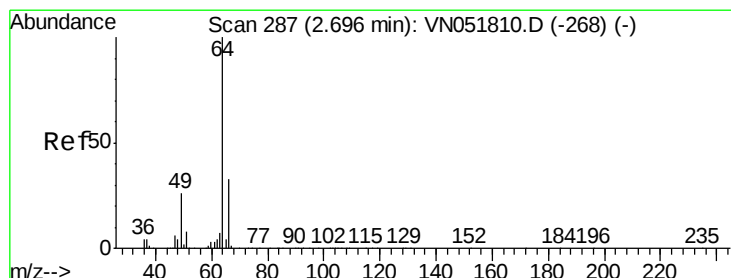
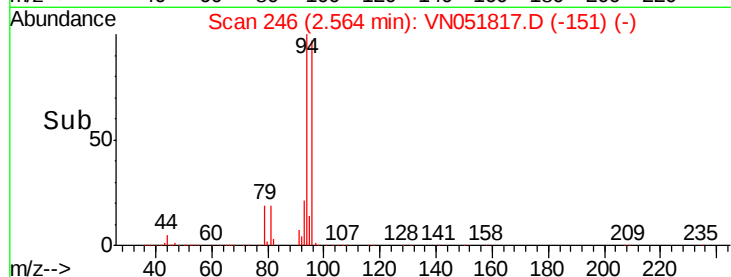
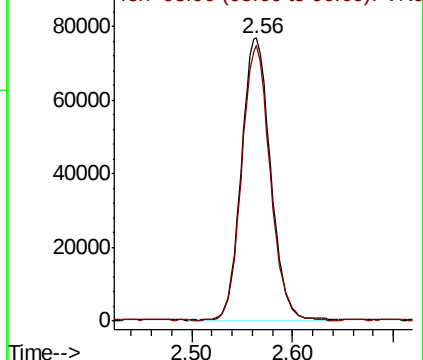
Ion Ratio Lower Upper

94 100

96 97.4 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 20.058 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN051817.D

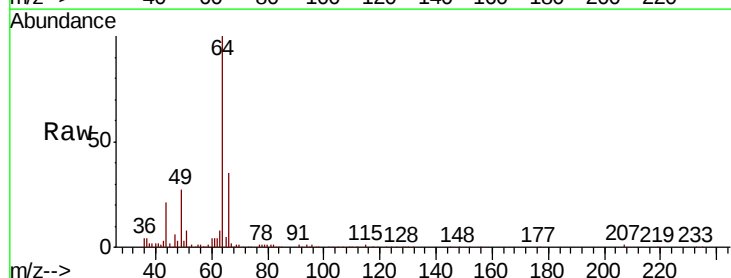
Acq: 11 Oct 2018 17:30

Tgt Ion: 64 Resp: 128872

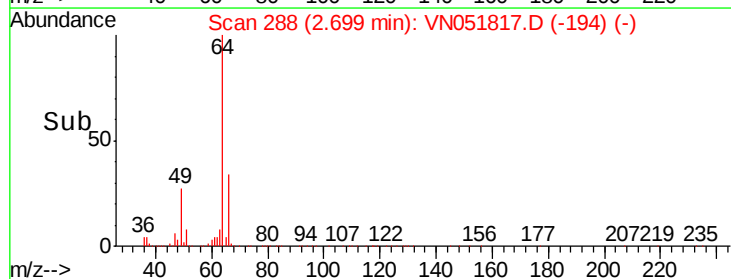
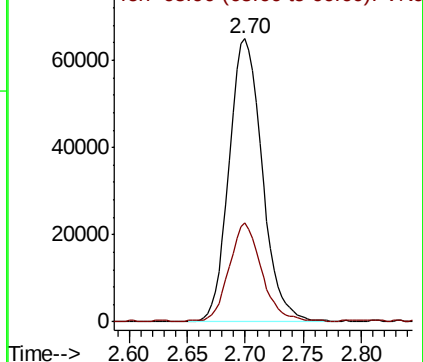
Ion Ratio Lower Upper

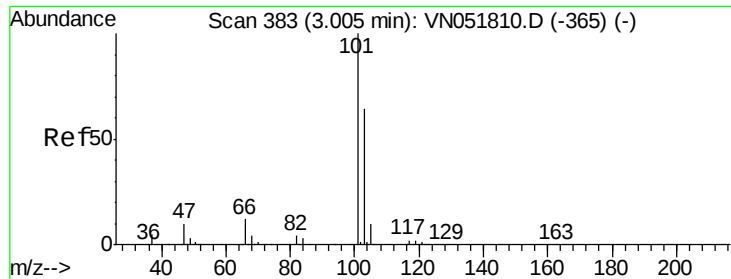
64 100

66 34.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



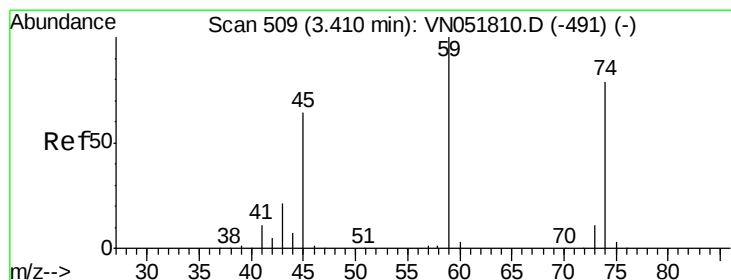
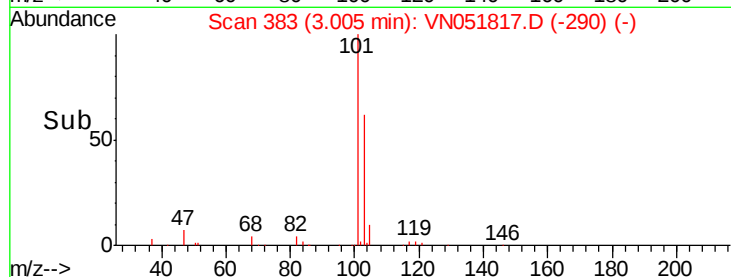
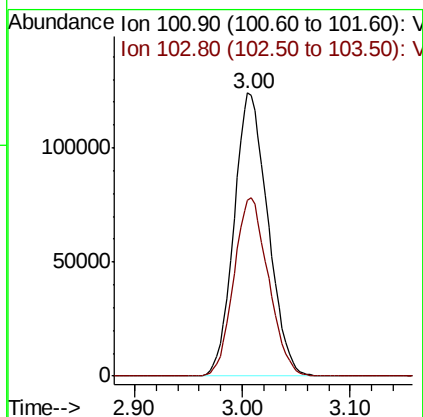
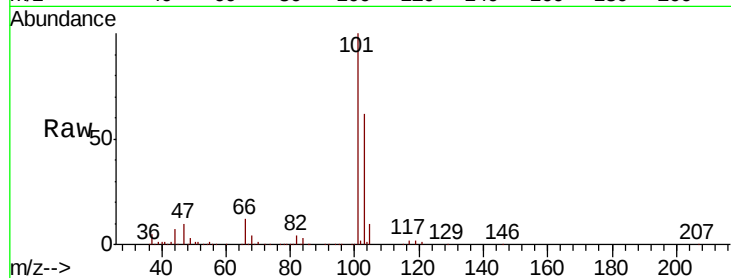


#7

Trichlorofluoromethane
 Concen: 20.878 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Instrument :
 MSVOA_N
 ClientSampled :

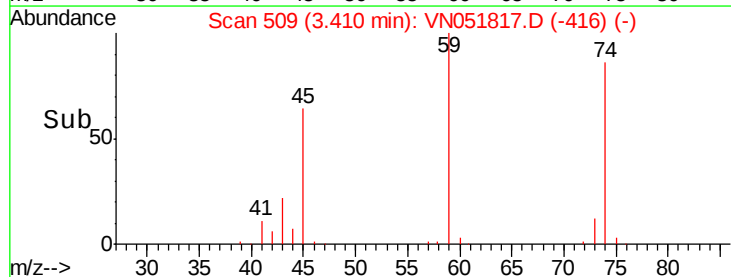
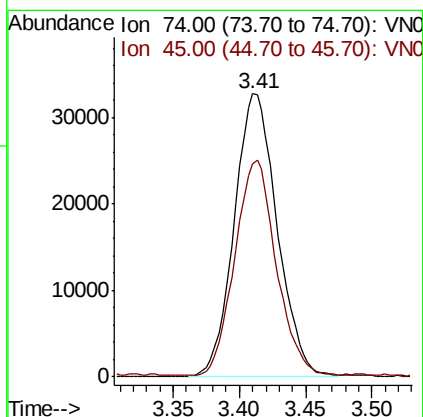
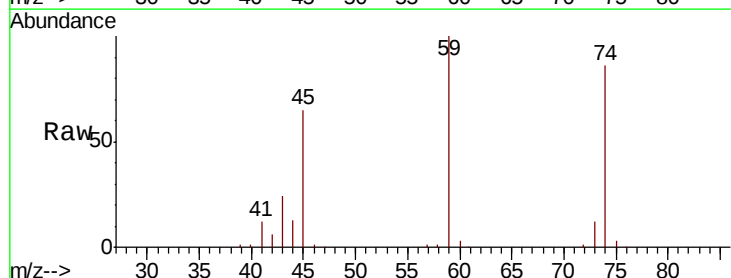
Tot Ion:101 Resp: 271280
 Ion Ratio Lower Upper
 101 100
 103 62.2 51.6 77.4

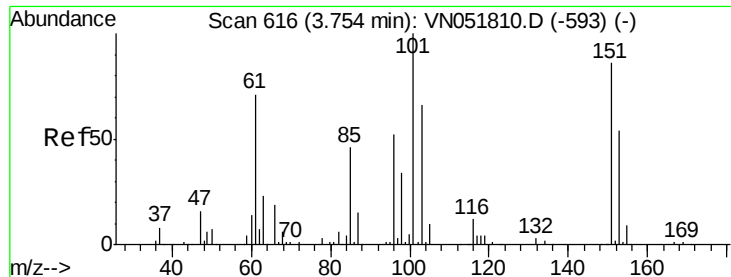


#8

Diethyl Ether
 Concen: 20.559 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Tgt Ion: 74 Resp: 73673
 Ion Ratio Lower Upper
 74 100
 45 73.2 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.312 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

ClientSampled :

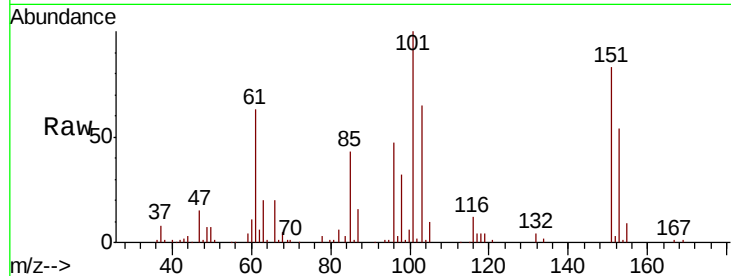
Tot Ion:101 Resp: 133807

Ion Ratio Lower Upper

101 100

85 44.3 33.7 50.5

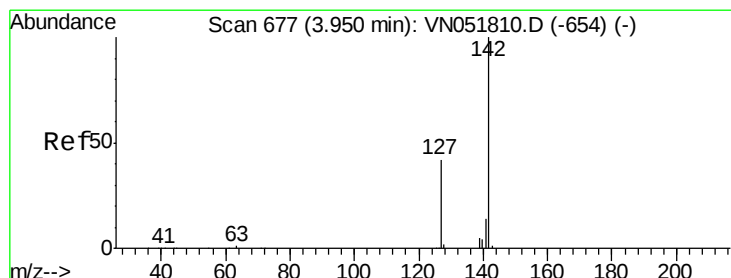
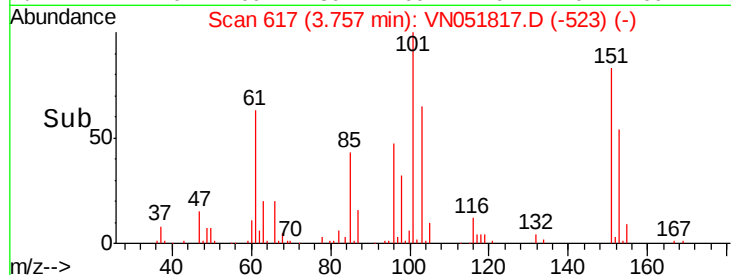
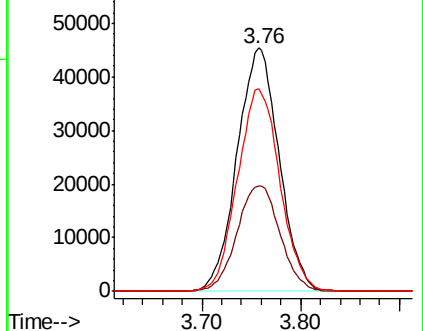
151 84.1 67.4 101.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.054 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

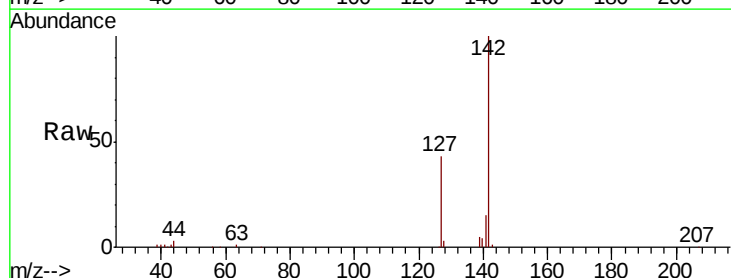
Tgt Ion:142 Resp: 155707

Ion Ratio Lower Upper

142 100

127 42.8 31.7 47.5

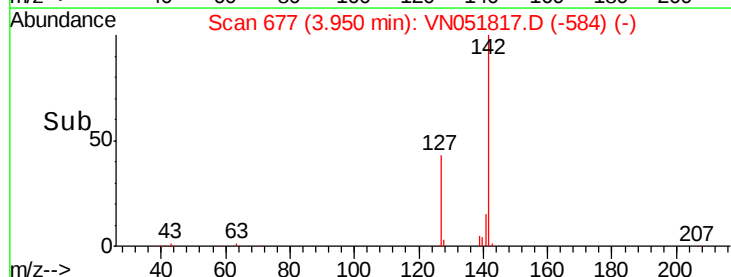
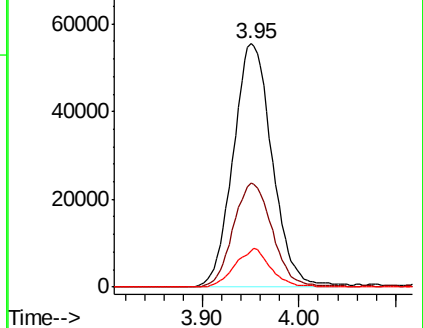
141 14.5 11.4 17.0

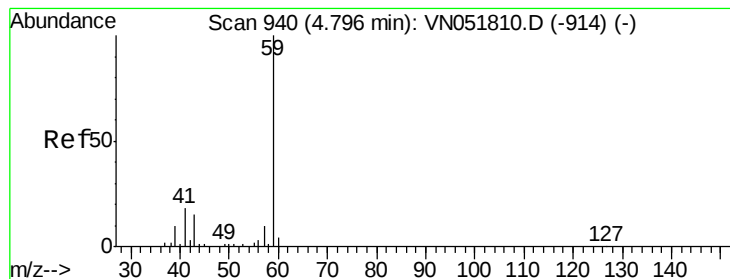


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



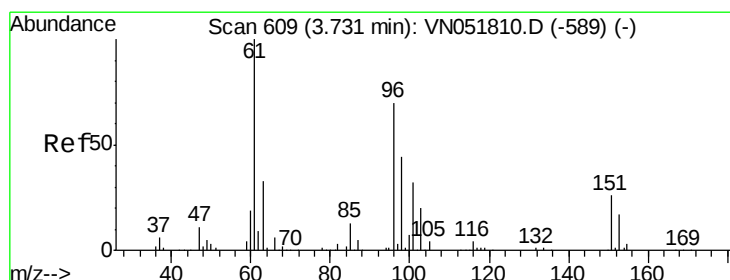
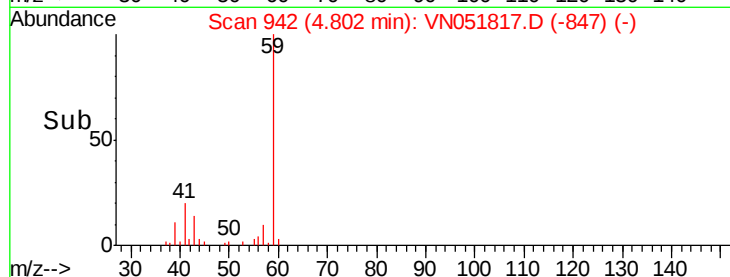
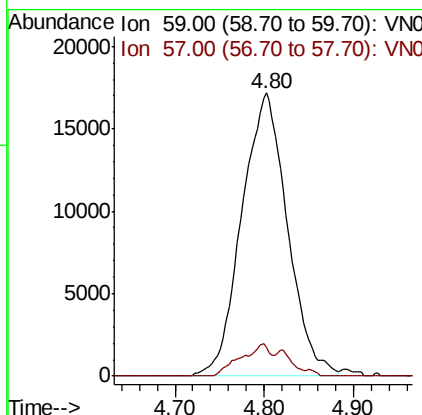
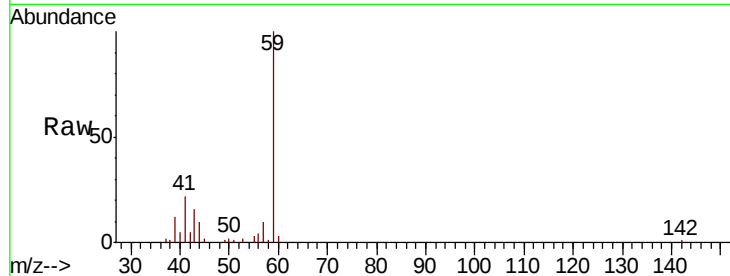


#11

Tert butyl alcohol
 Concen: 99.988 ug/l
 RT: 4.80 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Instrument :
 MSVOA_N
 ClientSampleId :

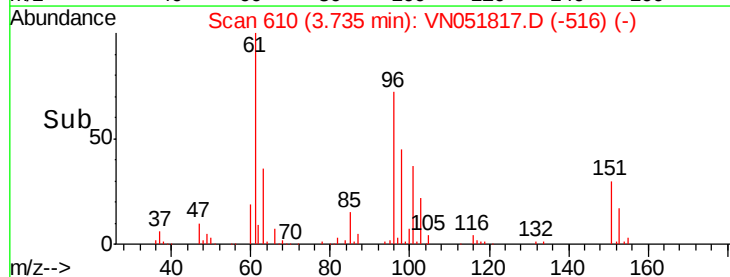
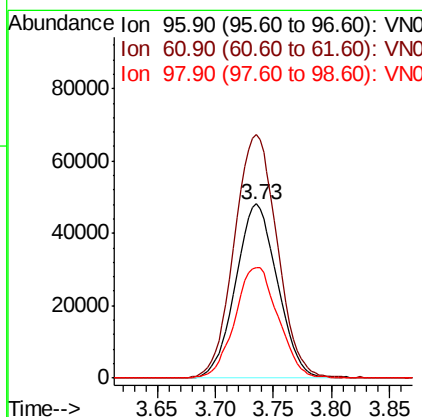
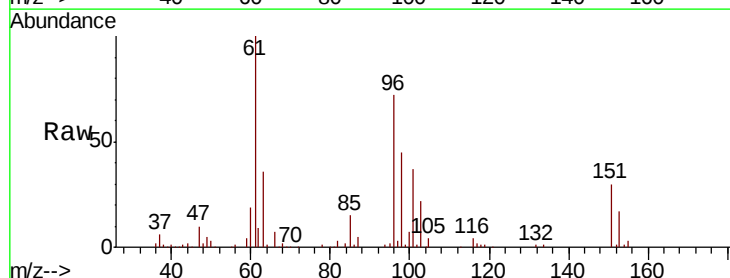
Tot Ion: 59 Resp: 60986
 Ion Ratio Lower Upper
 59 100
 57 7.7 8.3 12.5#

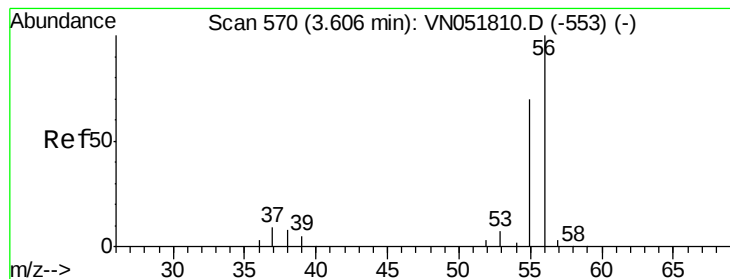


#12

1,1-Dichloroethene
 Concen: 19.398 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Tgt Ion: 96 Resp: 120806
 Ion Ratio Lower Upper
 96 100
 61 139.7 124.9 187.3
 98 63.5 51.1 76.7





#13

Acrolein

Concen: 107.367 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

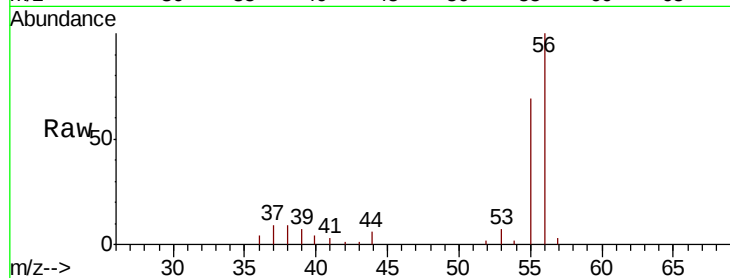
ClientSampleId :

Tot Ion: 56 Resp: 61060

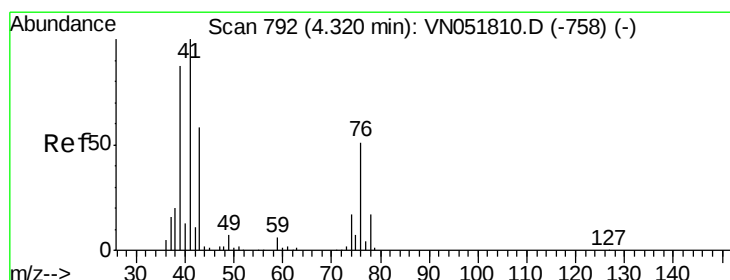
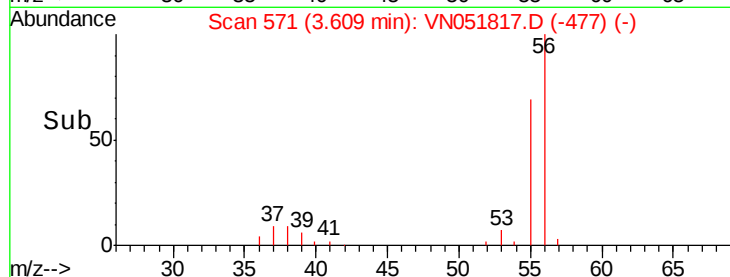
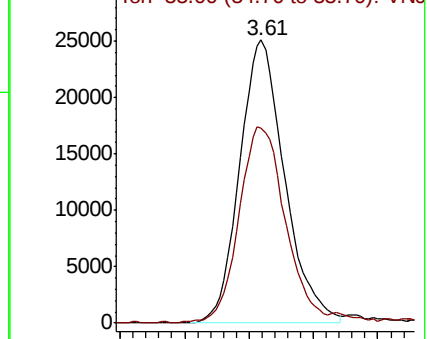
Ion Ratio Lower Upper

56 100

55 71.2 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 19.262 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

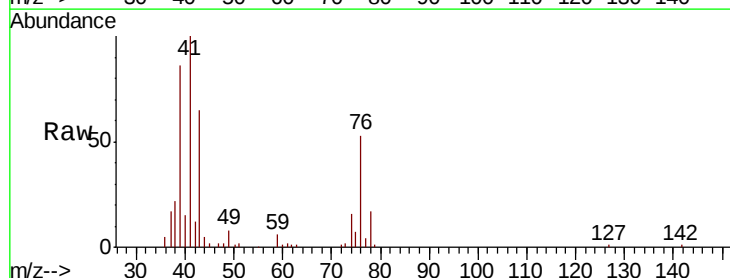
Tgt Ion: 41 Resp: 150611

Ion Ratio Lower Upper

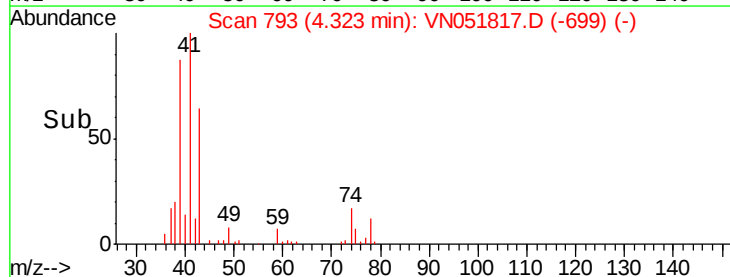
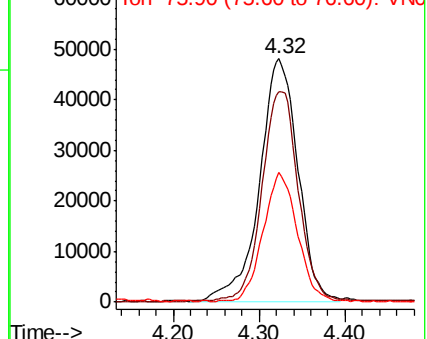
41 100

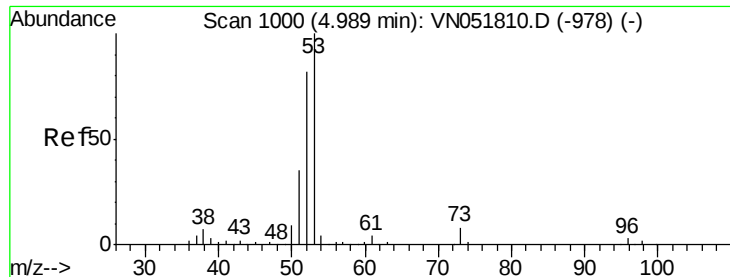
39 82.1 50.2 75.2#

76 47.3 29.8 44.8#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO



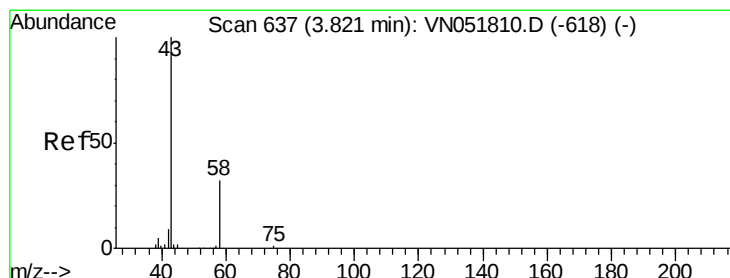
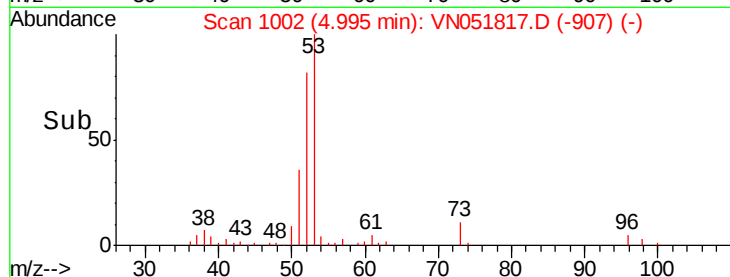
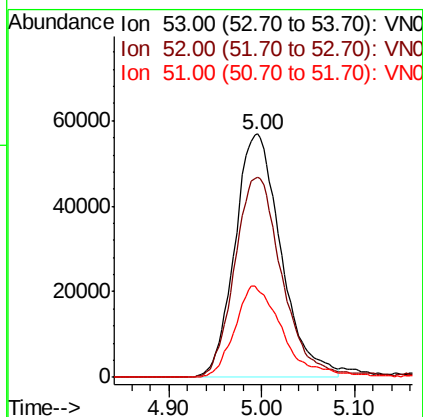
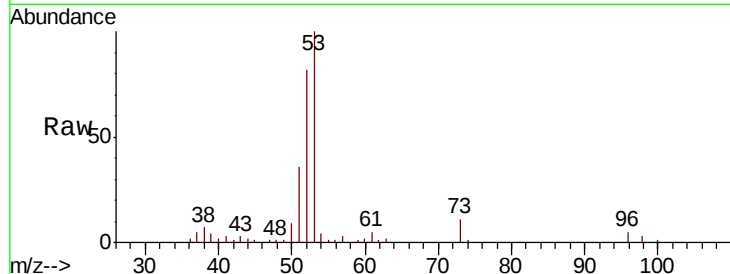


#15
 Acrylonitrile
 Concen: 99.117 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 53 Resp: 196787

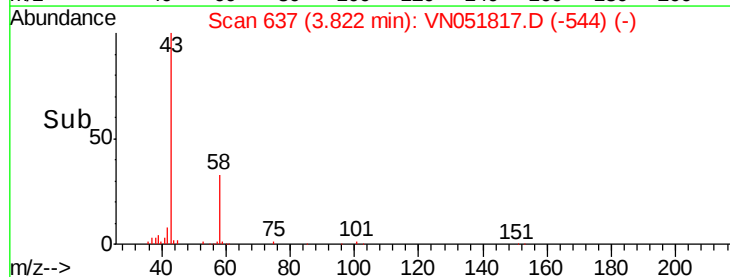
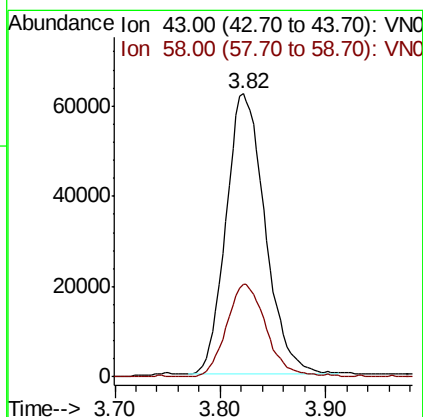
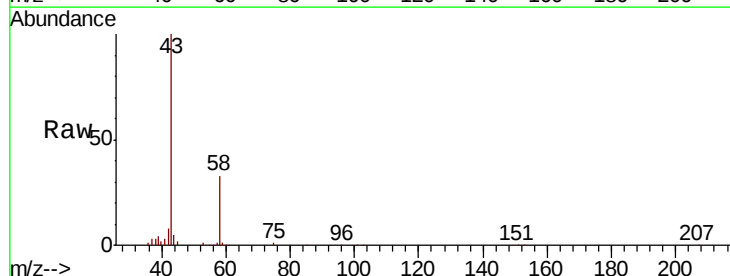
Ion	Ratio	Lower	Upper
53	100		
52	84.5	65.9	98.9
51	38.2	28.6	43.0

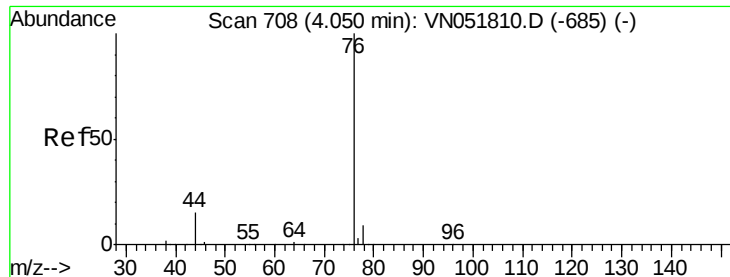


#16
 Acetone
 Concen: 89.313 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Tgt Ion: 43 Resp: 159745

Ion	Ratio	Lower	Upper
43	100		
58	33.2	27.2	40.8

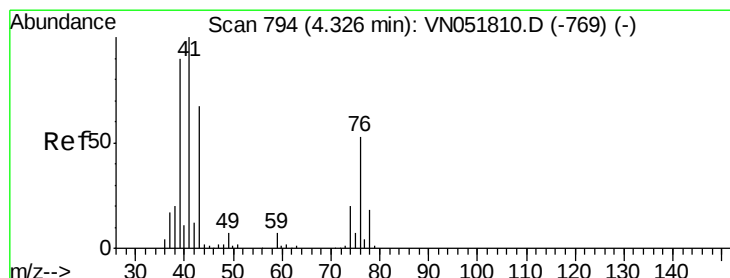
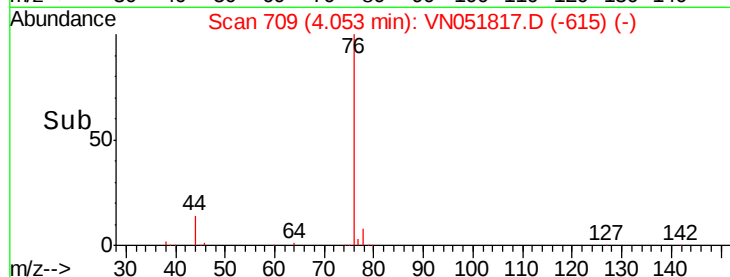
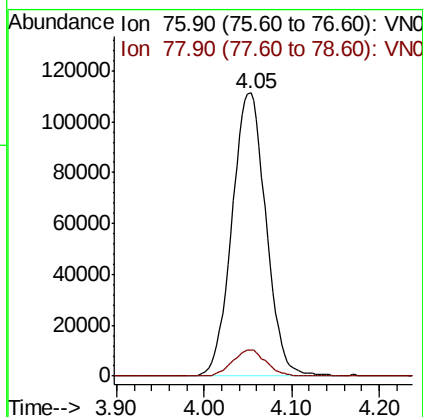
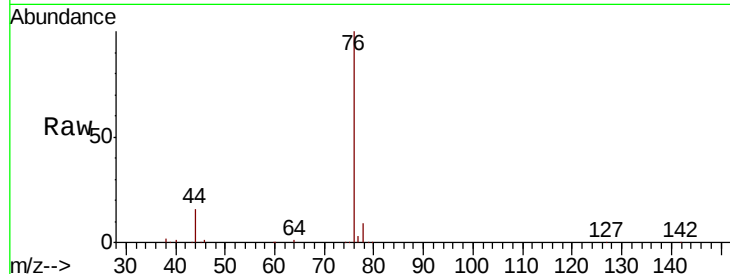




#17
Carbon Disulfide
Concen: 17.786 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

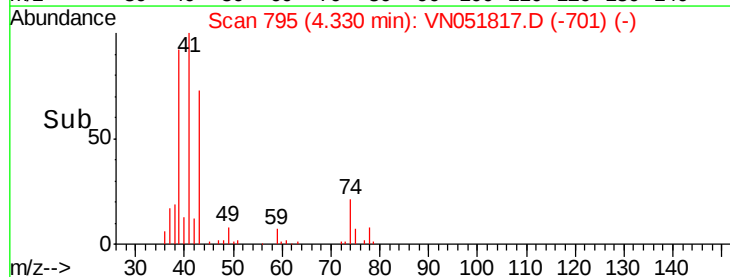
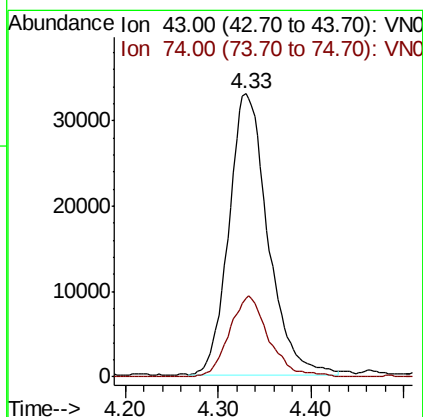
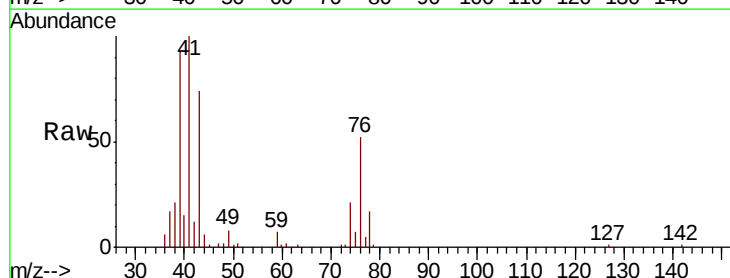
Instrument :
MSVOA_N
ClientSampled :

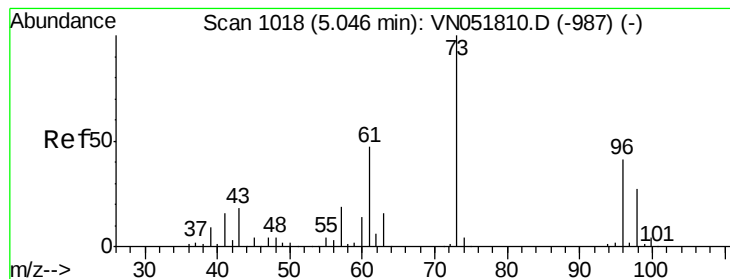
Tot Ion: 76 Resp: 299859
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9



#18
Methyl Acetate
Concen: 18.783 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion: 43 Resp: 95928
Ion Ratio Lower Upper
43 100
74 28.5 19.8 29.8



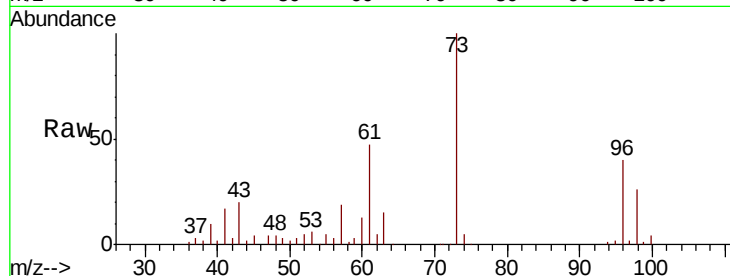


#19

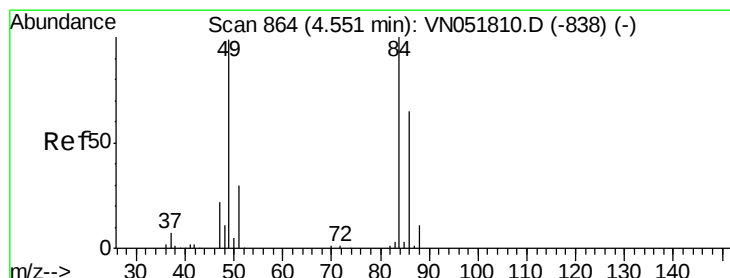
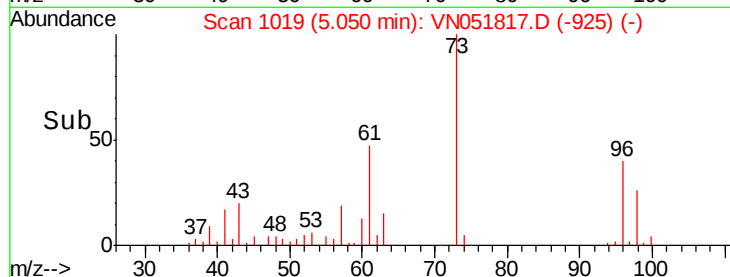
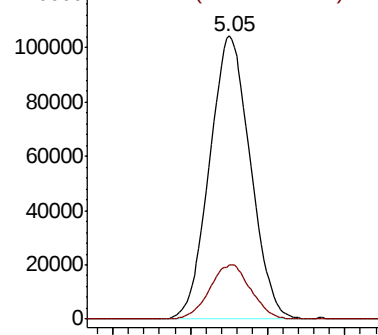
Methyl tert-butyl Ether
 Concen: 19.494 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 73 Resp: 382194
 Ion Ratio Lower Upper
 73 100
 57 19.1 17.8 26.8



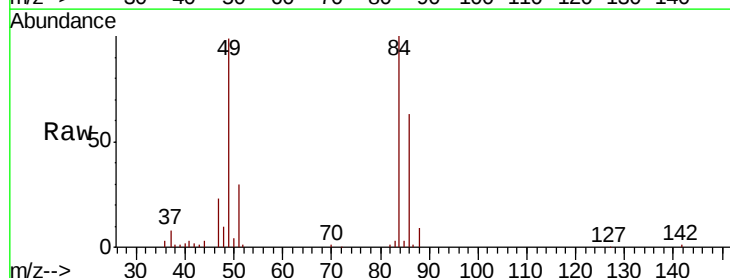
Abundance Ion 73.00 (72.70 to 73.70): VN051810.D (-987) (-)
 Ion 57.00 (56.70 to 57.70): VN051810.D (-987) (-)



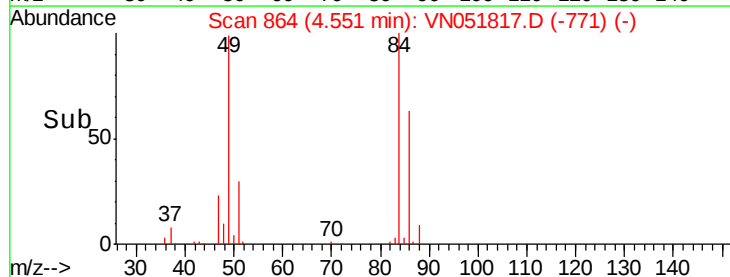
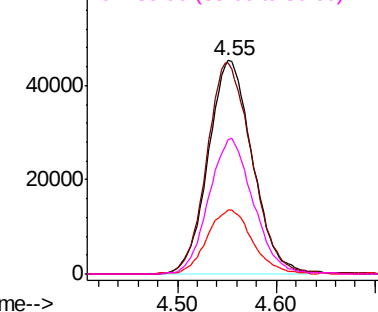
#20

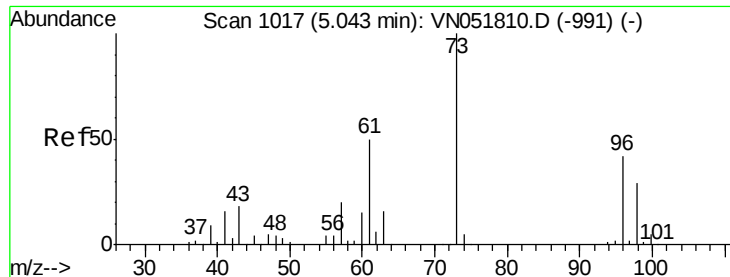
Methylene Chloride
 Concen: 19.009 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Tgt Ion: 84 Resp: 140705
 Ion Ratio Lower Upper
 84 100
 49 98.3 93.2 139.8
 51 30.1 29.0 43.6
 86 63.0 49.8 74.8



Abundance Ion 83.90 (83.60 to 84.60): VN051810.D (-838) (-)
 Ion 48.90 (48.60 to 49.60): VN051810.D (-838) (-)
 Ion 50.90 (50.60 to 51.60): VN051810.D (-838) (-)
 Ion 85.90 (85.60 to 86.60): VN051810.D (-838) (-)

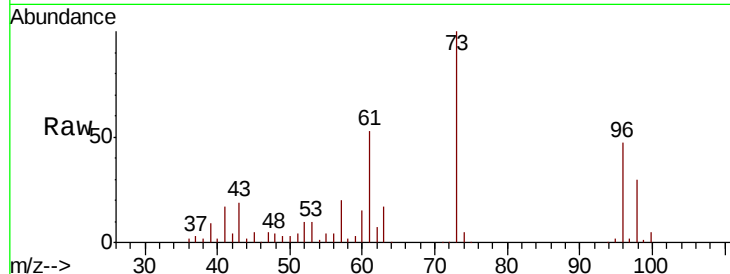




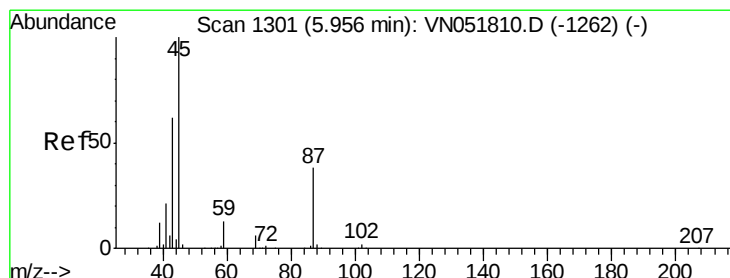
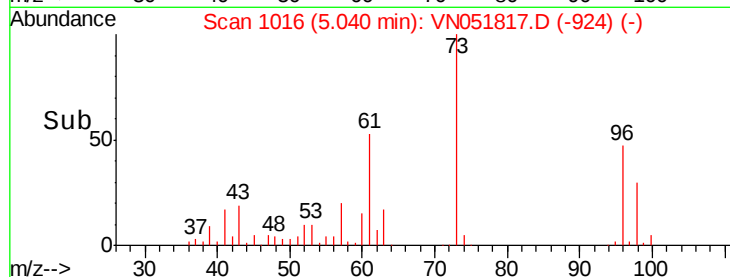
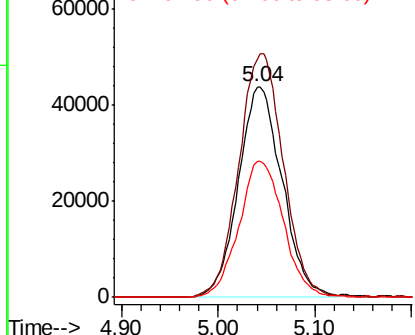
#21
trans-1,2-Dichloroethene
Concen: 18.830 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 137700
Ion Ratio Lower Upper
96 100
61 113.0 107.4 161.0
98 64.3 50.7 76.1

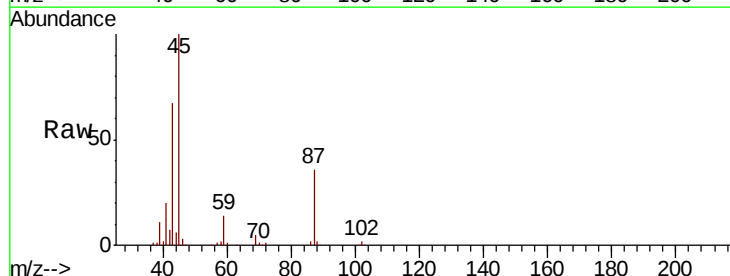


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

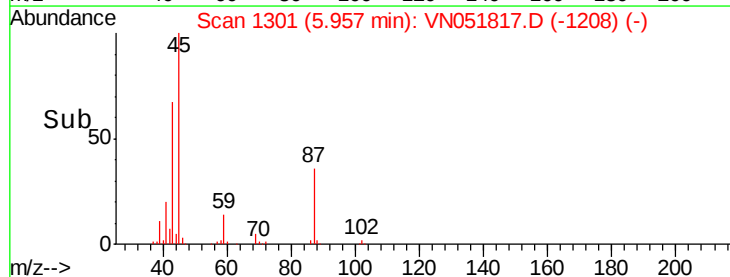
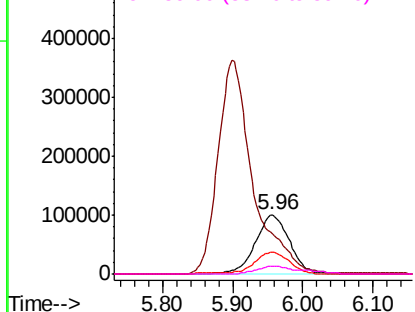


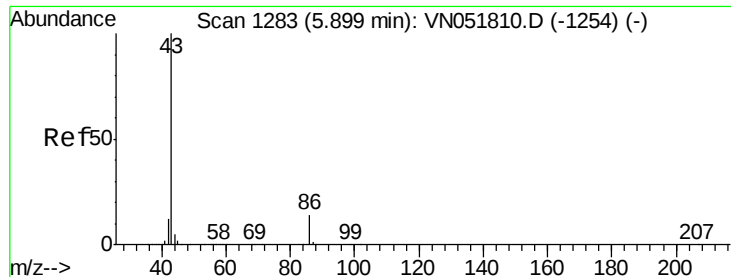
#22
Diisopropyl ether
Concen: 19.573 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion: 45 Resp: 338214
Ion Ratio Lower Upper
45 100
43 66.3 45.9 68.9
87 35.9 22.7 34.1#
59 13.1 9.3 13.9



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





#23

Vinyl Acetate

Concen: 99.433 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

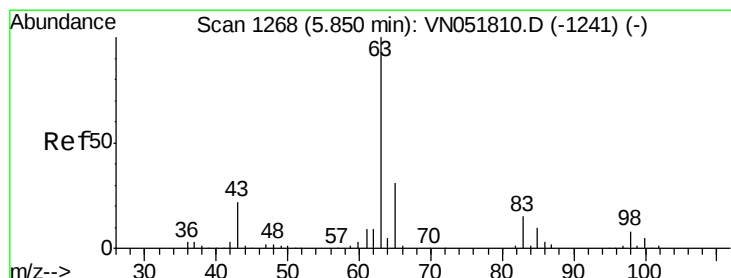
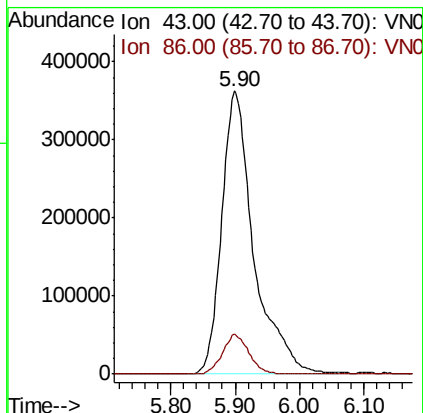
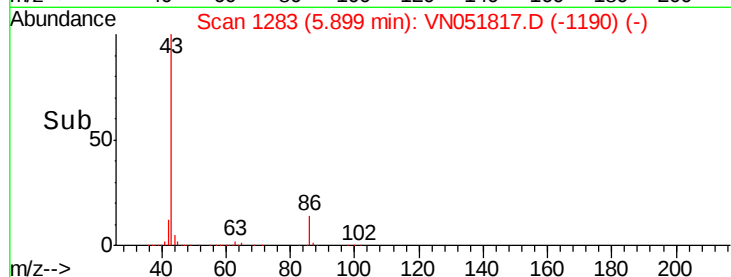
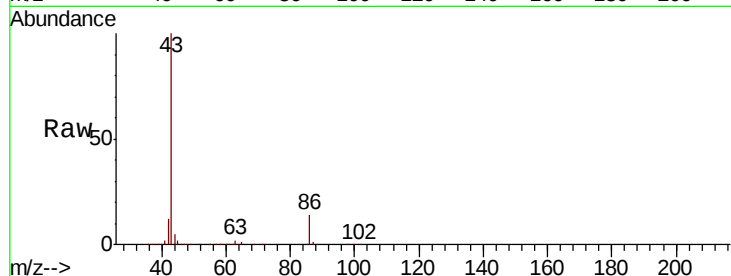
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1256977

Ion Ratio Lower Upper

43 100

86 14.0 8.7 13.1#



#24

1,1-Dichloroethane

Concen: 19.342 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

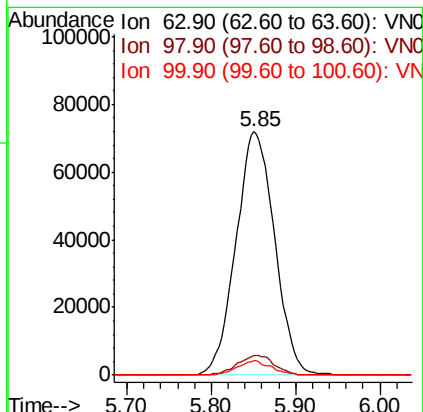
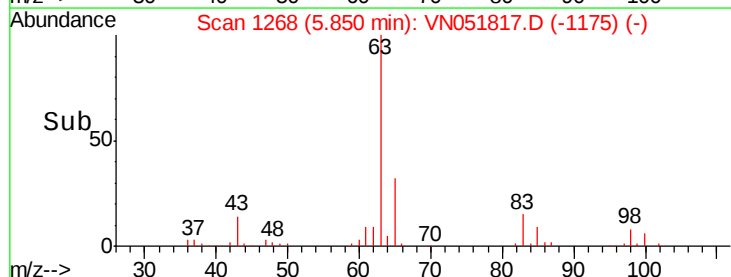
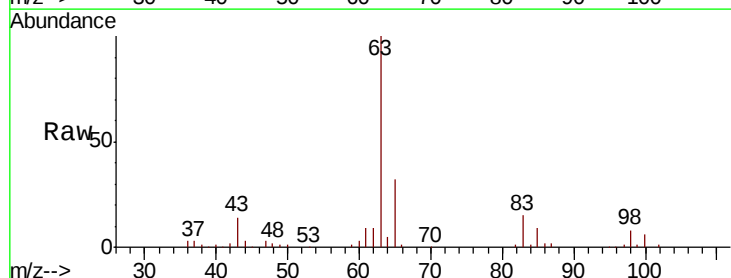
Tgt Ion: 63 Resp: 229604

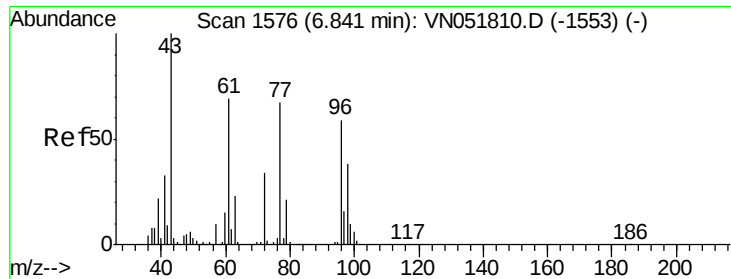
Ion Ratio Lower Upper

63 100

98 7.9 3.3 9.8

100 5.9 2.1 6.5

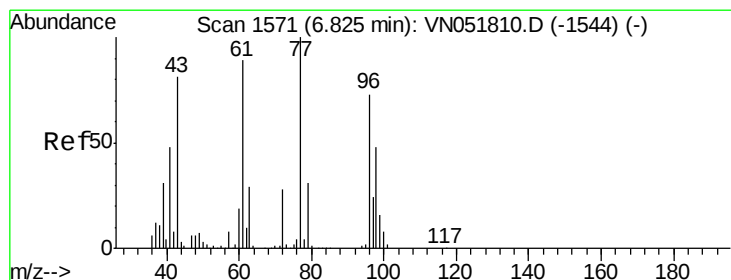
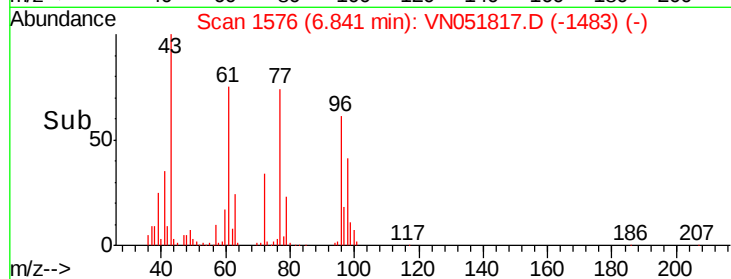
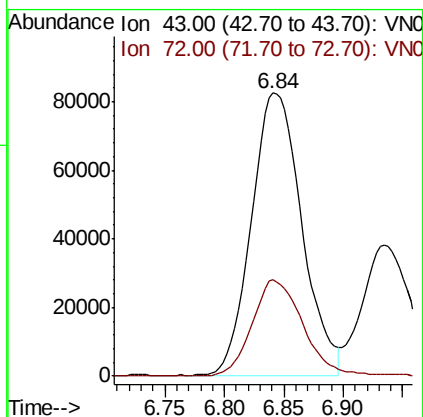
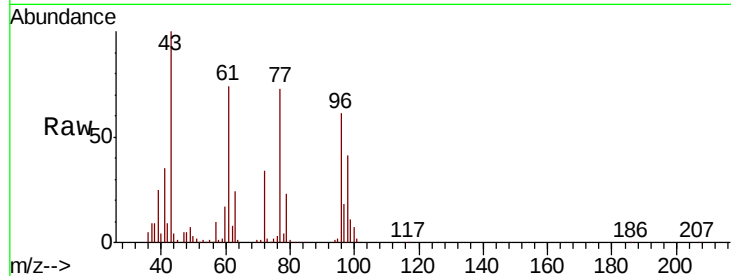




#25
2-Butanone
Concen: 95.377 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

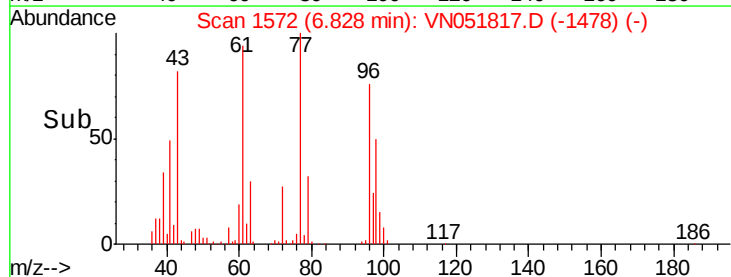
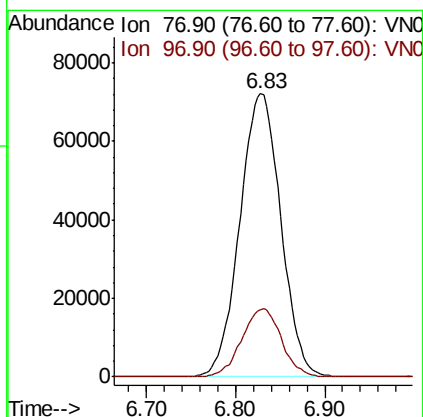
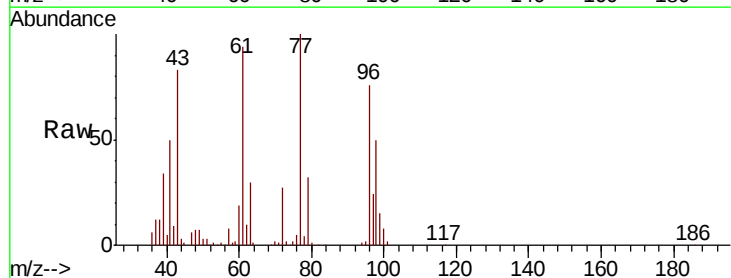
Instrument :
MSVOA_N
ClientSampled :

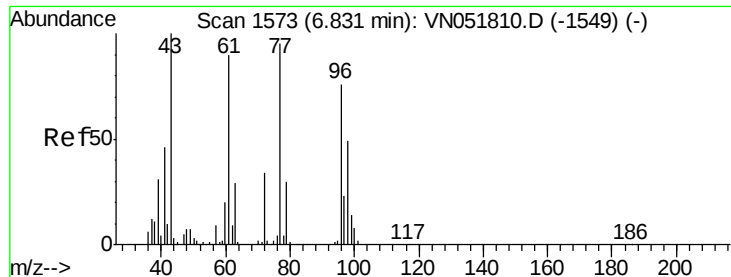
Tot Ion: 43 Resp: 241066
Ion Ratio Lower Upper
43 100
72 34.3 22.3 33.5#



#26
2,2-Dichloropropane
Concen: 19.185 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion: 77 Resp: 230588
Ion Ratio Lower Upper
77 100
97 23.2 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 19.228 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :

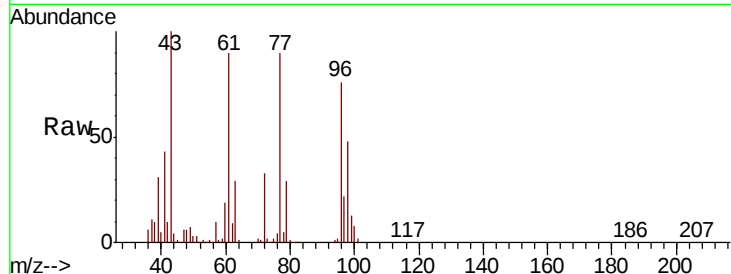
Tot Ion: 96 Resp: 162086

Ion Ratio Lower Upper

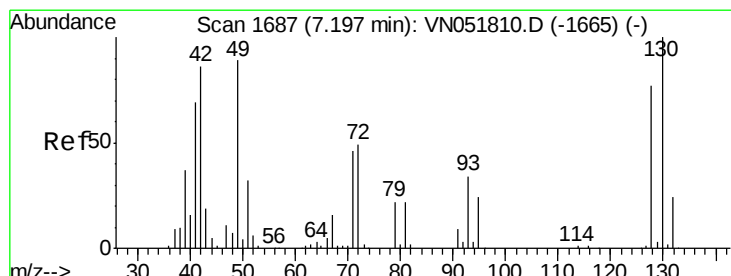
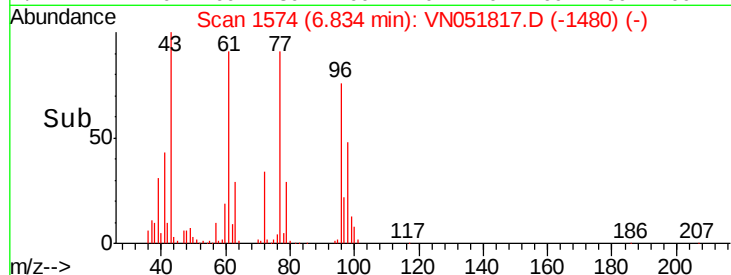
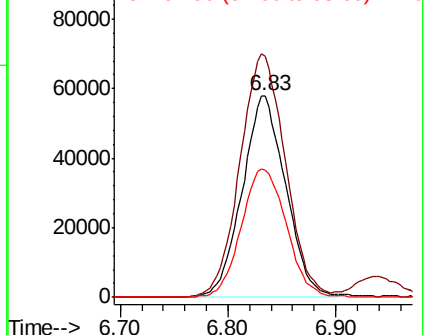
96 100

61 126.1 0.0 283.4

98 66.3 0.0 129.8



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: 19.829 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

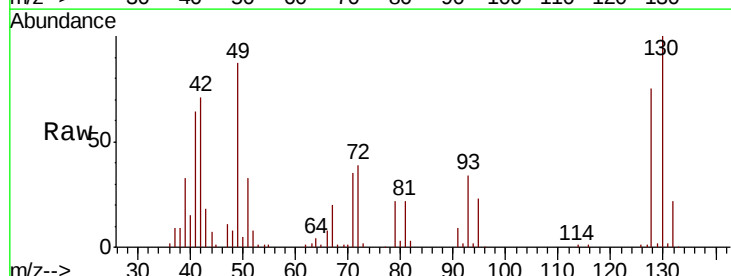
Tgt Ion: 49 Resp: 98763

Ion Ratio Lower Upper

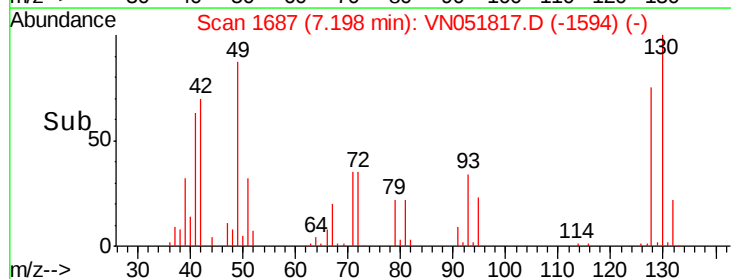
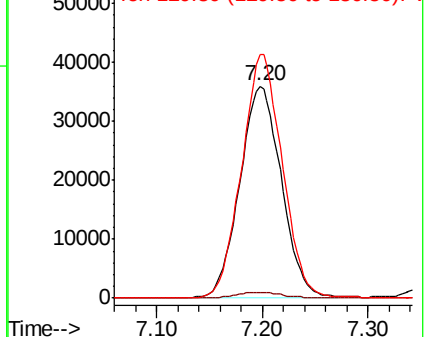
49 100

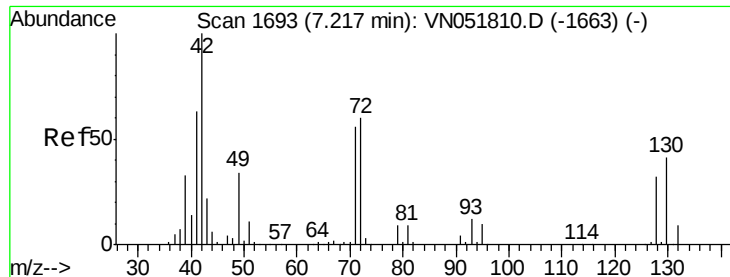
129 3.0 0.0 4.2

130 112.4 67.1 100.7#



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

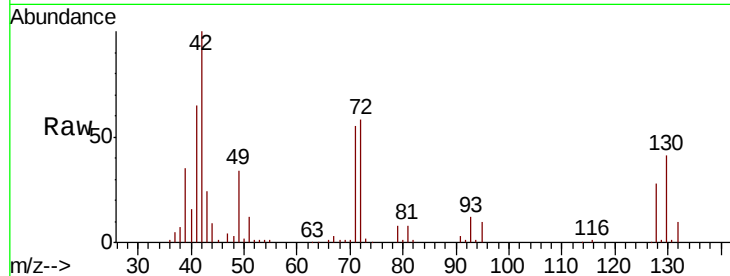




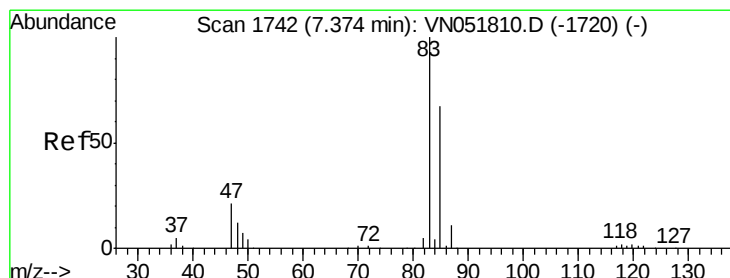
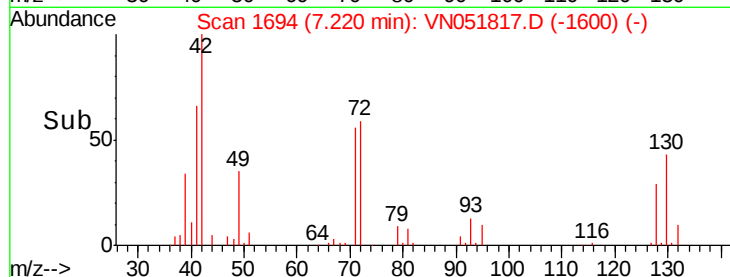
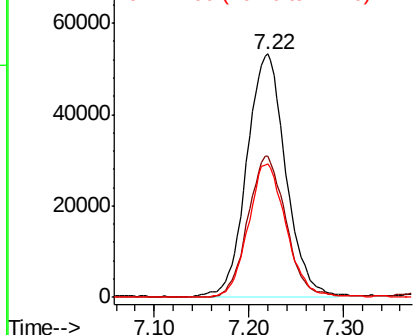
#29
Tetrahydrofuran
Concen: 101.344 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 152644
Ion Ratio Lower Upper
42 100
72 56.3 35.5 53.3#
71 53.6 33.7 50.5#

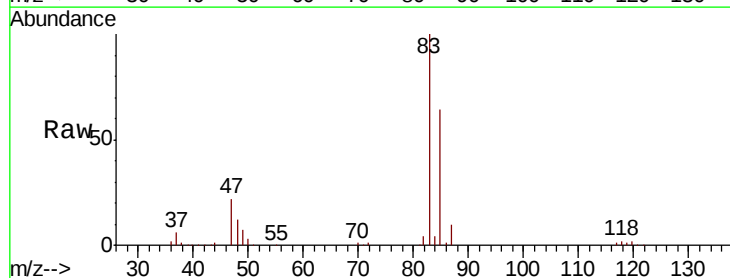


Abundance Ion 42.00 (41.70 to 42.70): VNC
Ion 72.00 (71.70 to 72.70): VNC
Ion 71.00 (70.70 to 71.70): VNC

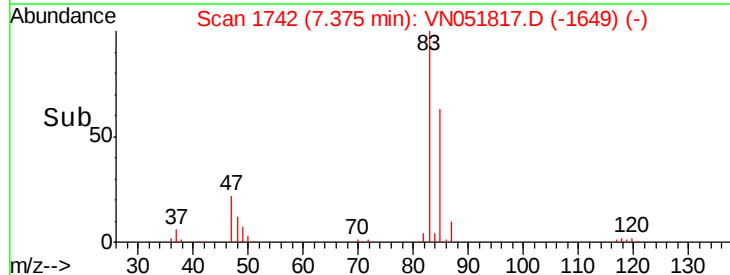
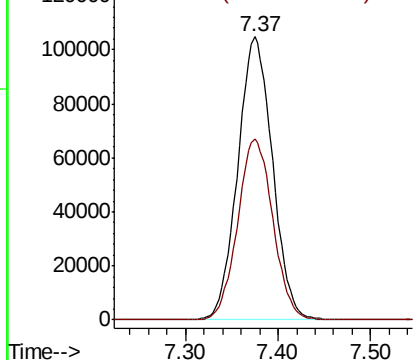


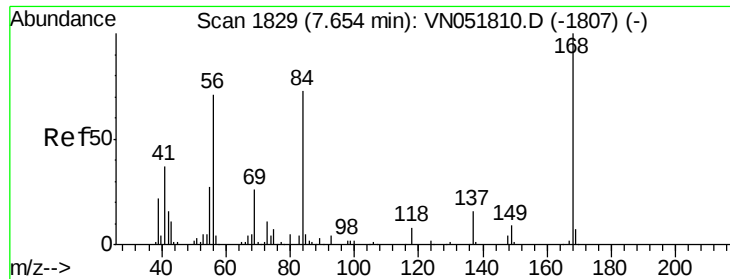
#30
Chloroform
Concen: 19.209 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion: 83 Resp: 272646
Ion Ratio Lower Upper
83 100
85 63.8 52.2 78.4



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

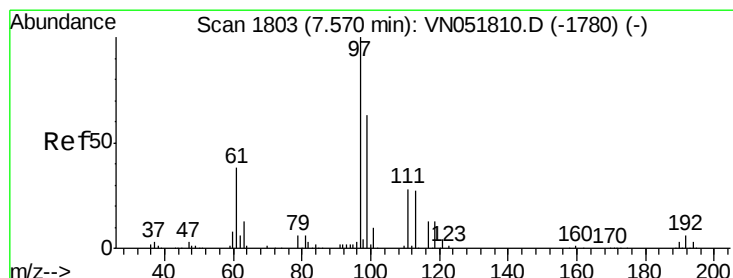
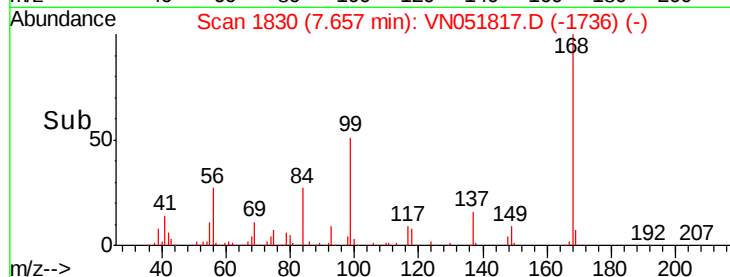
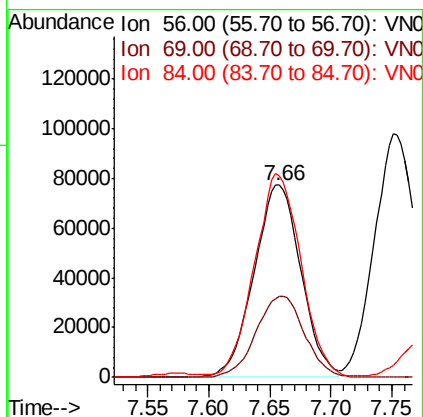
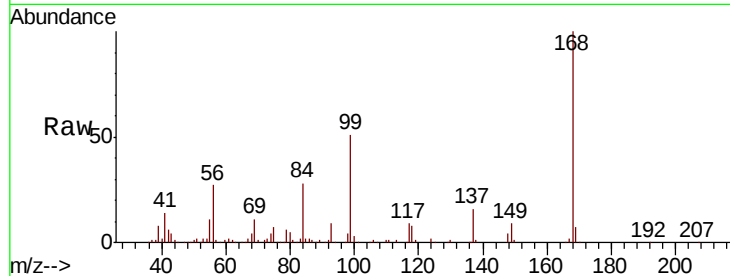




#31
Cyclohexane
Concen: 19.681 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

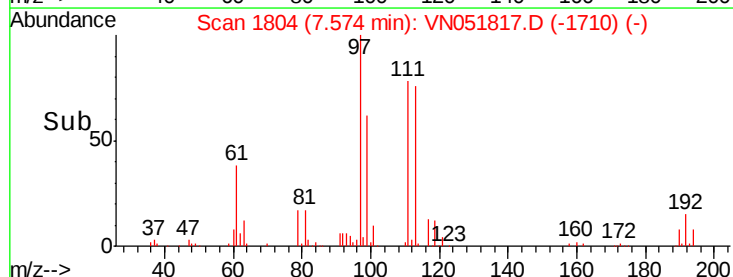
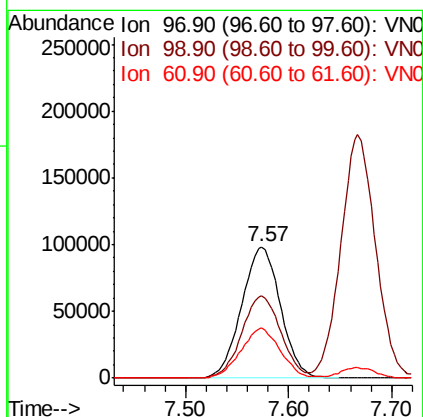
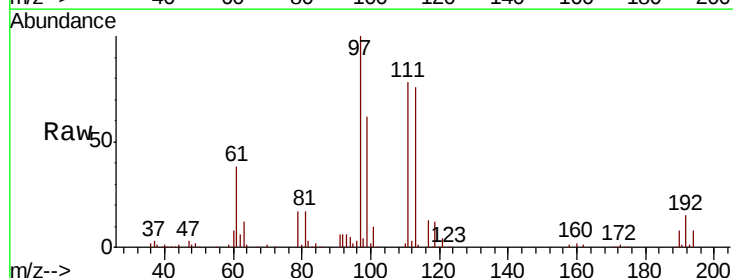
Instrument :
MSVOA_N
ClientSampleId :

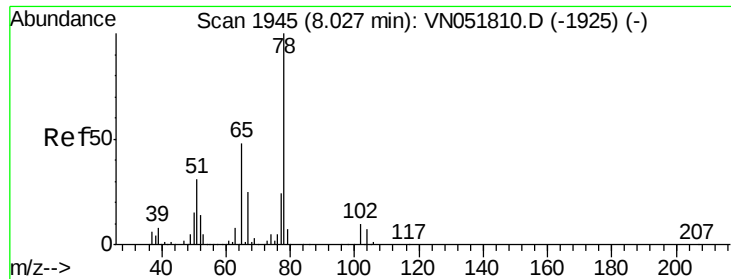
Tot Ion: 56 Resp: 206912
Ion Ratio Lower Upper
56 100
69 41.9 26.2 39.4#
84 103.4 68.3 102.5#



#32
1,1,1-Trichloroethane
Concen: 19.335 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion: 97 Resp: 257656
Ion Ratio Lower Upper
97 100
99 63.0 51.8 77.6
61 38.6 34.9 52.3





#33

1,2-Dichloroethane-d4

Concen: 19.335 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

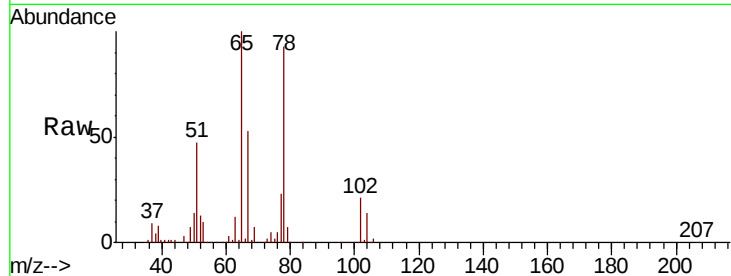
ClientSampleId :

Tot Ion: 65 Resp: 410983

Ion Ratio Lower Upper

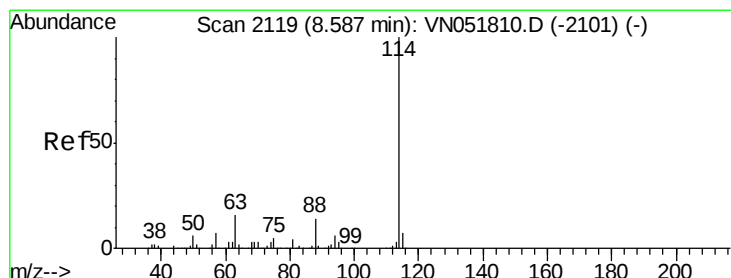
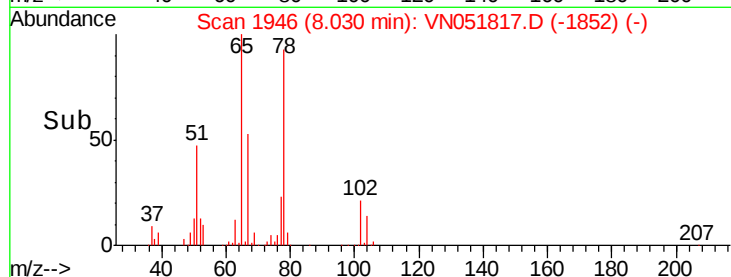
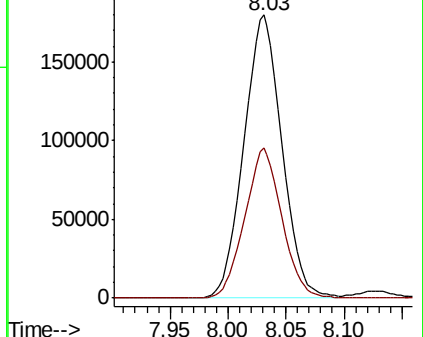
65 100

67 51.7 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN051817.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN051817.D (-1925) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

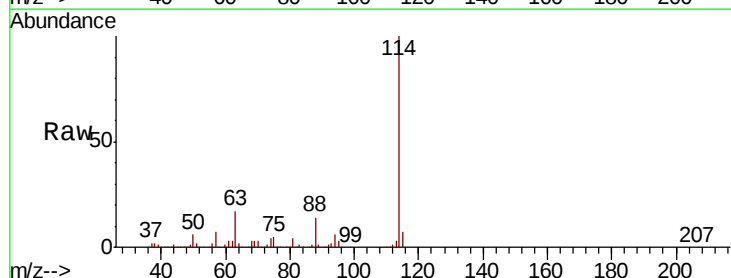
Tgt Ion: 114 Resp: 1262725

Ion Ratio Lower Upper

114 100

63 17.3 0.0 38.6

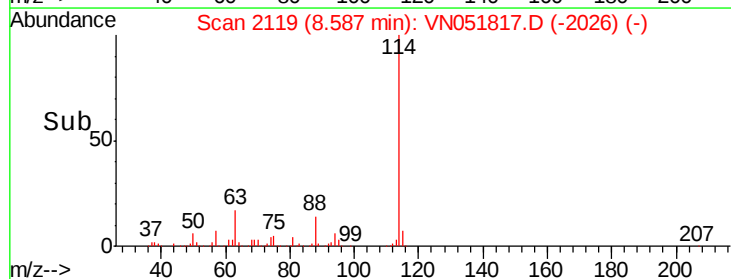
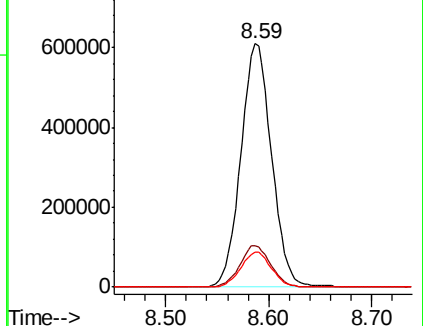
88 14.2 0.0 30.6

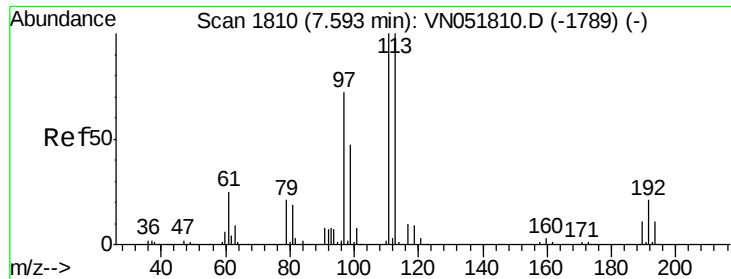


Abundance Ion 113.90 (113.60 to 114.60): VN051817.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN051817.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN051817.D (-2101) (-)

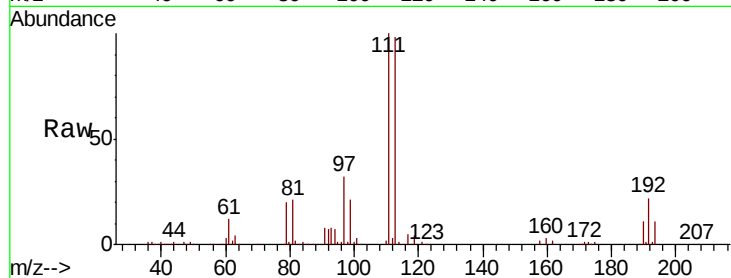




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.6	123.8
192	21.8	18.0	27.0

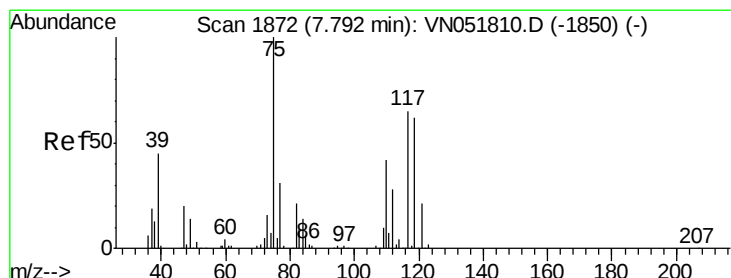
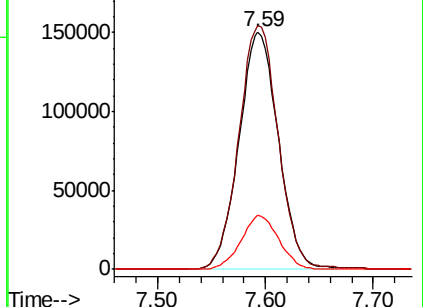
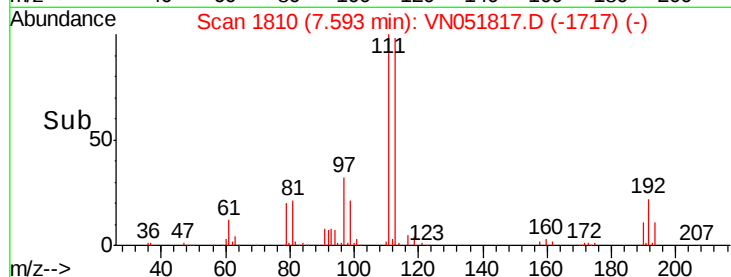


Abundance

Ion 112.80 (112.50 to 113.50): V

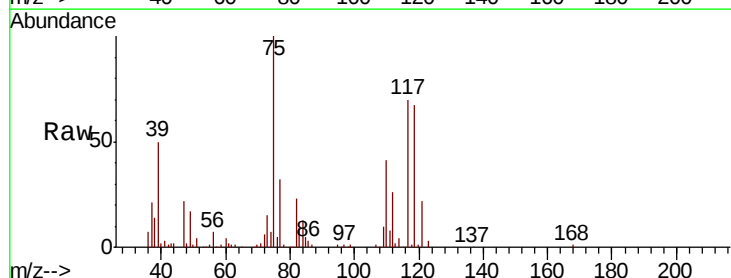
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 18.696 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.7	18.1	54.4
77	31.9	24.8	37.2

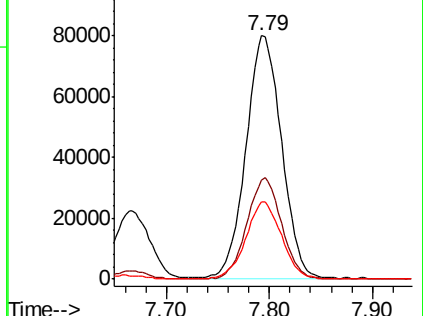
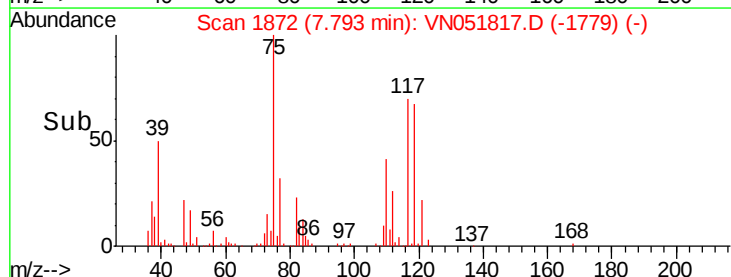


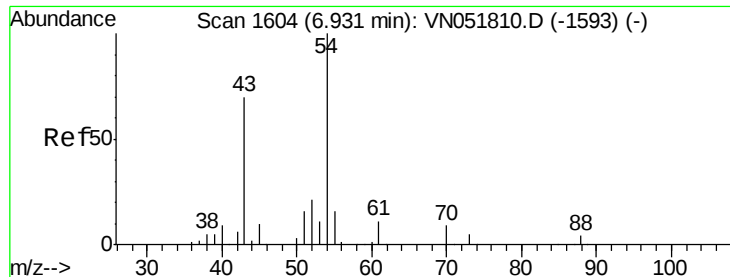
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

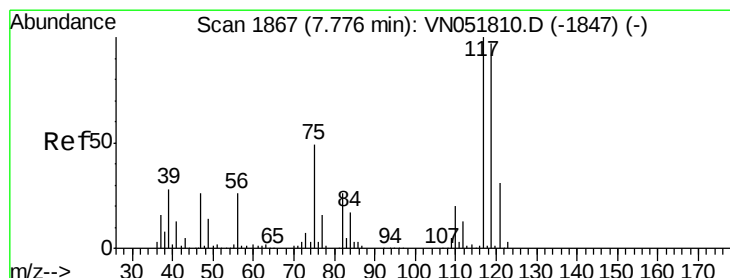
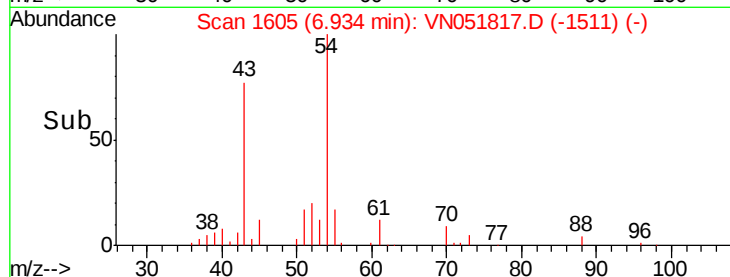
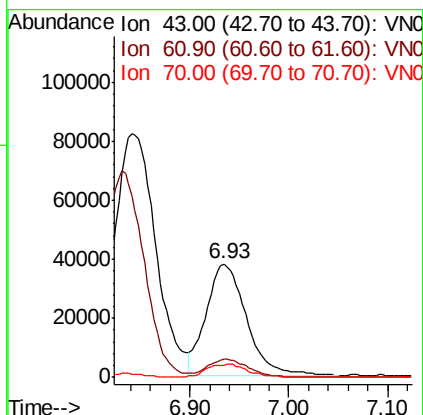
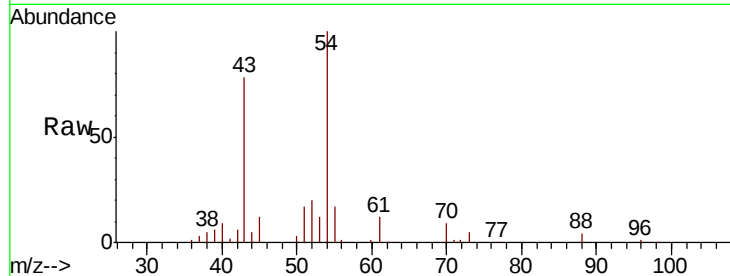




#37
Ethyl Acetate
Concen: 20.633 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

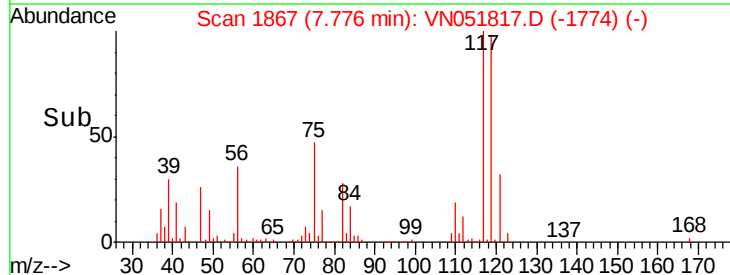
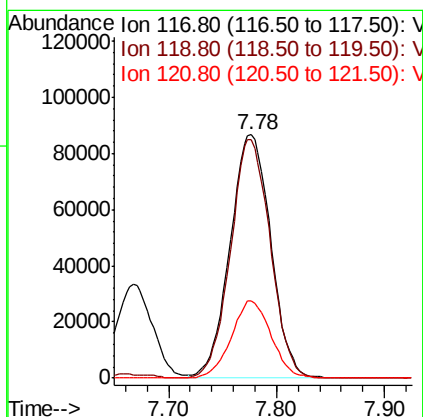
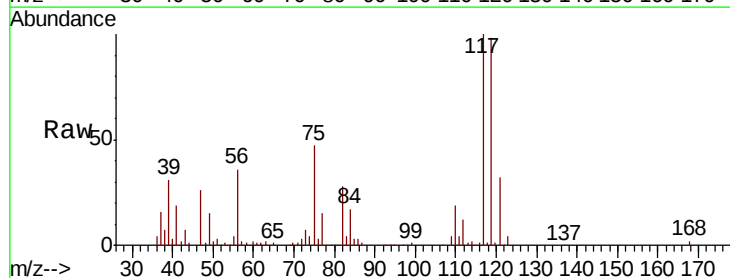
Instrument :
MSVOA_N
ClientSampled :

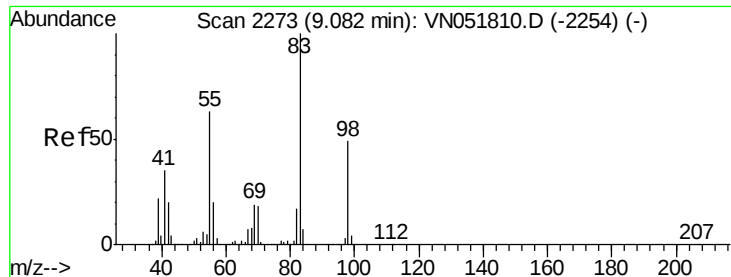
Tot Ion: 43 Resp: 108294
Ion Ratio Lower Upper
43 100
61 16.8 12.0 18.0
70 12.1 8.6 13.0



#38
Carbon Tetrachloride
Concen: 19.106 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion: 117 Resp: 226394
Ion Ratio Lower Upper
117 100
119 97.7 76.3 114.5
121 31.9 24.6 36.8

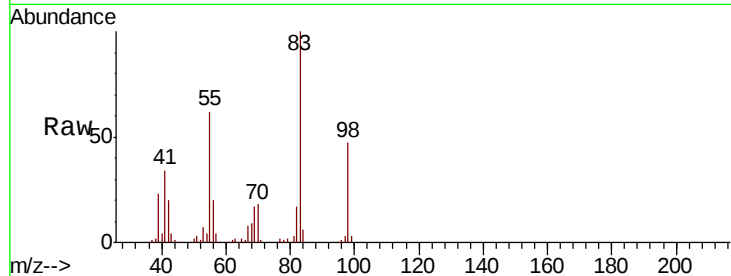




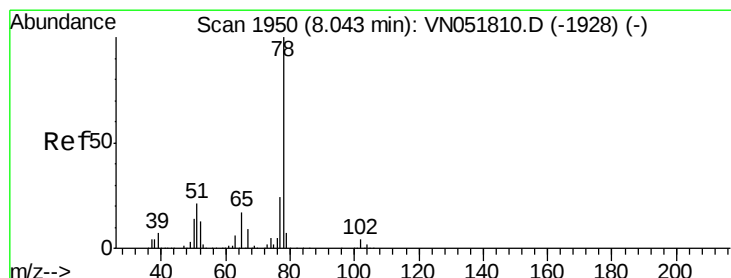
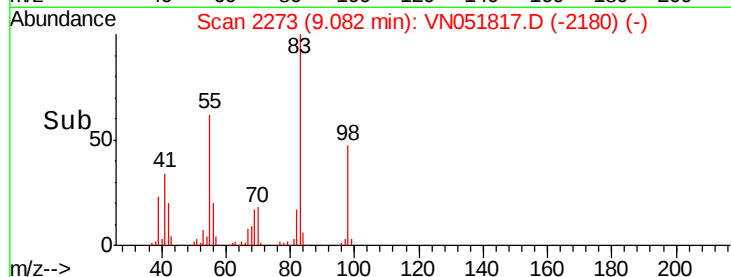
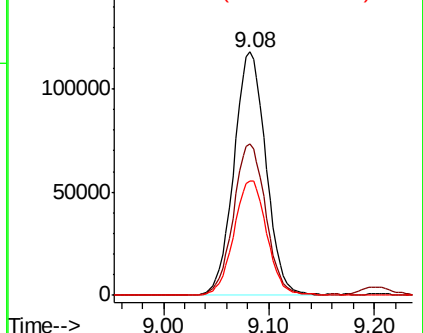
#39
Methvlcvclohexane
Concen: 19.782 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 248424
Ion Ratio Lower Upper
83 100
55 62.2 61.0 91.4
98 47.2 37.5 56.3

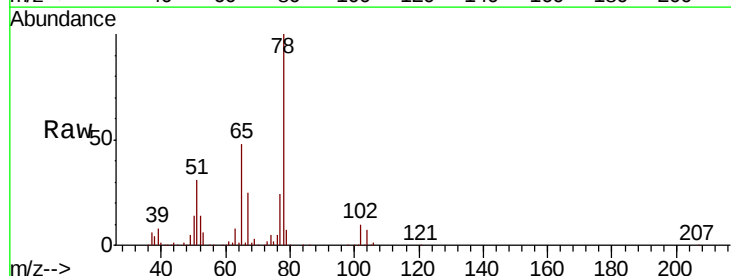


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

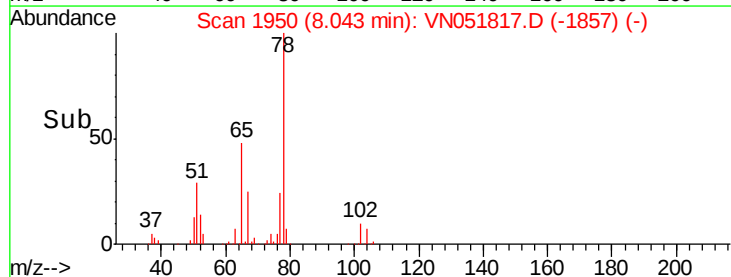
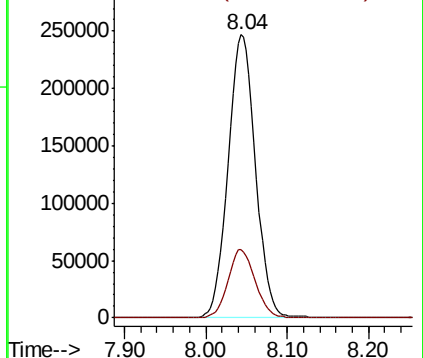


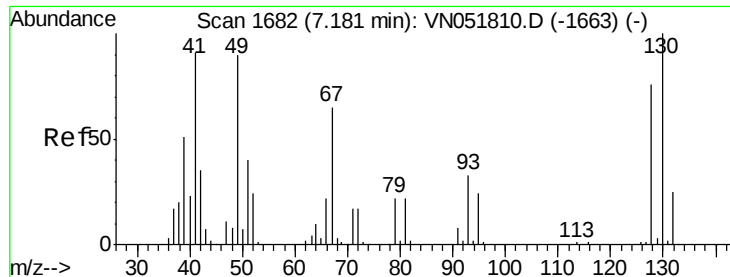
#40
Benzene
Concen: 19.762 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion: 78 Resp: 582770
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.4



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





#41

Methacrylonitrile

Concen: 17.797 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 41 Resp: 45032

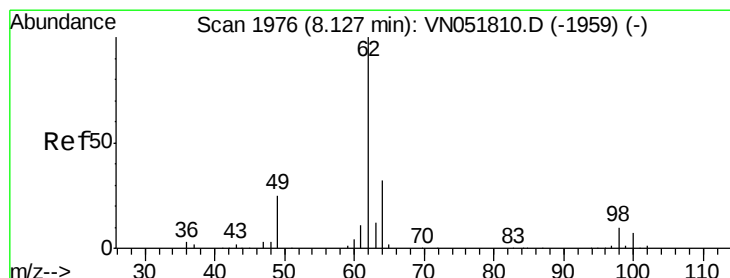
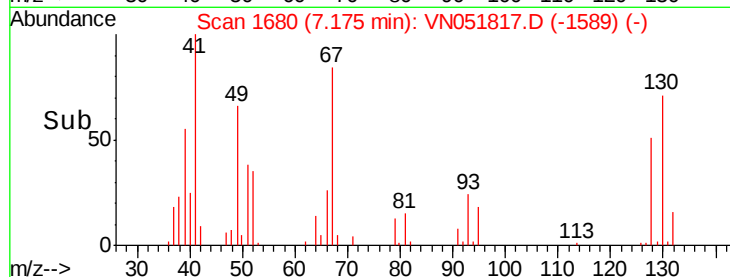
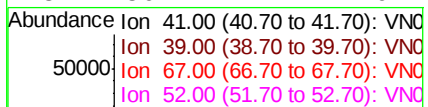
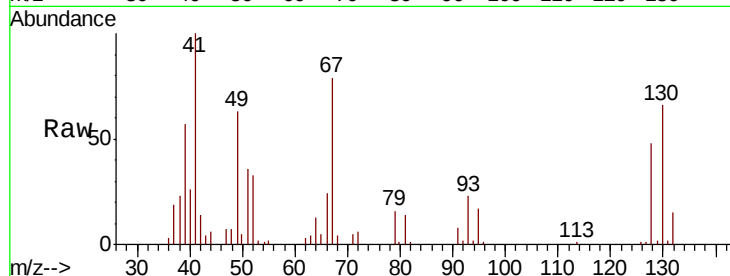
Ion Ratio Lower Upper

41 100

39 56.9 45.4 68.0

67 122.2 70.6 106.0#

52 50.4 27.1 40.7#



#42

1,2-Dichloroethane

Concen: 19.573 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN051817.D

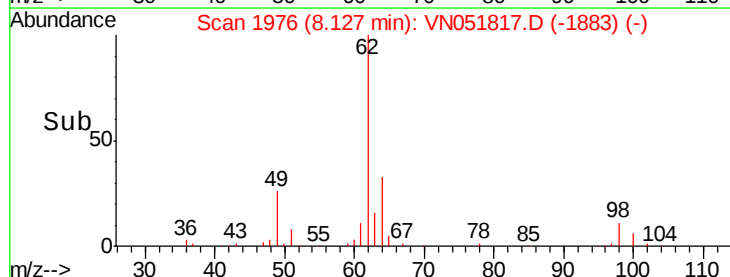
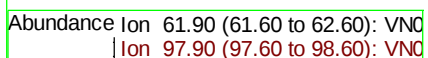
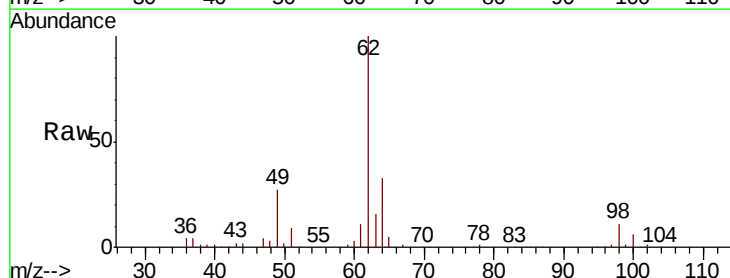
Acq: 11 Oct 2018 17:30

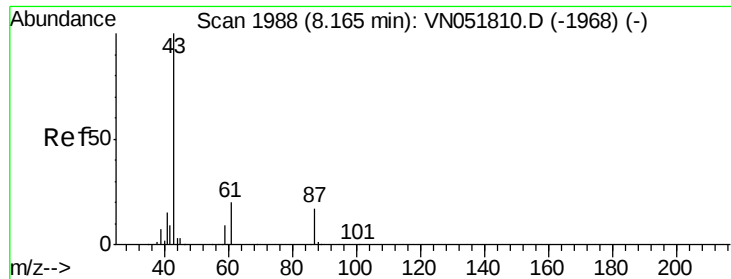
Tgt Ion: 62 Resp: 189219

Ion Ratio Lower Upper

62 100

98 10.3 0.0 19.6



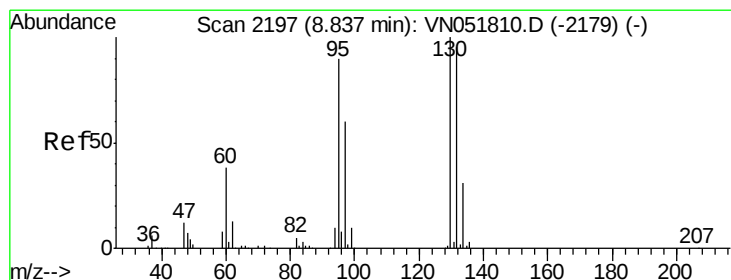
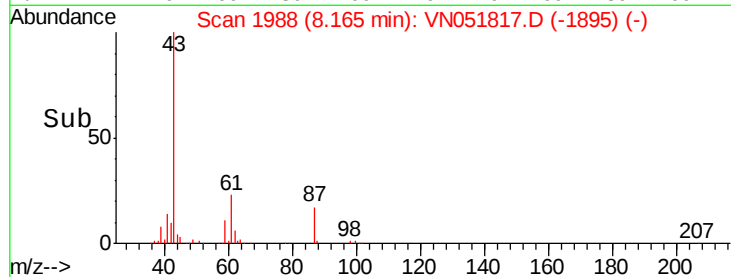
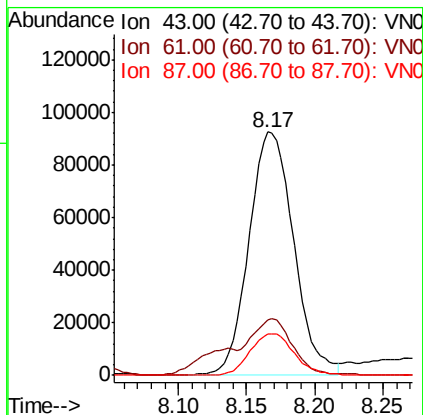
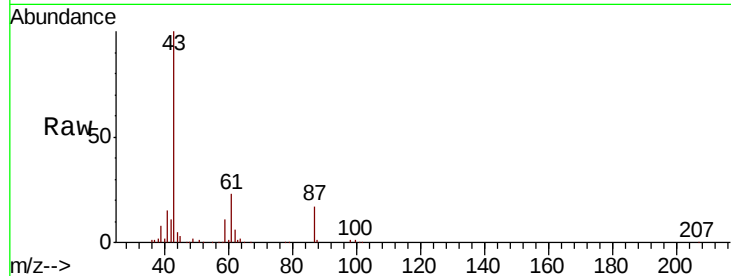


#43

Isopropyl Acetate
 Concen: 19.774 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Instrument :
 MSVOA_N
 ClientSampleId :

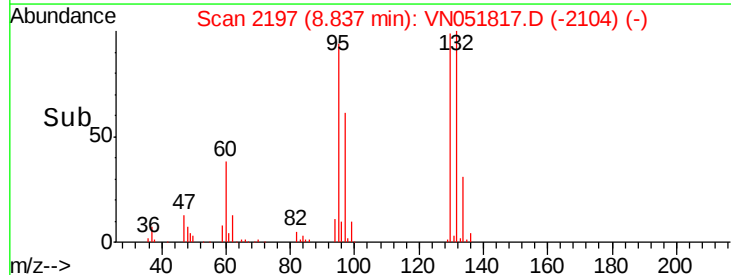
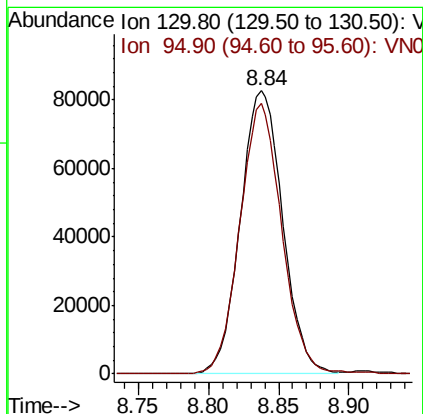
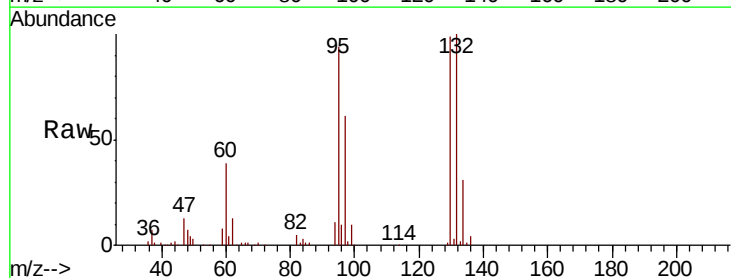
Tot Ion: 43 Resp: 209305
 Ion Ratio Lower Upper
 43 100
 61 20.8 17.5 26.3
 87 17.1 11.3 16.9#

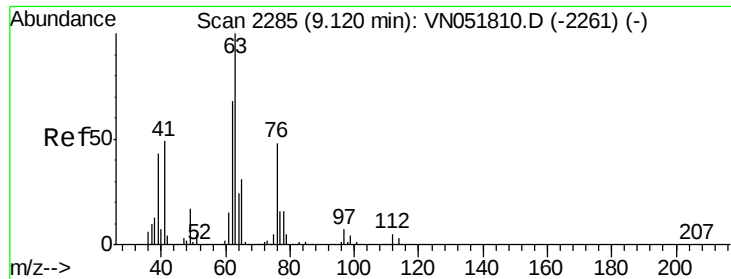


#44

Trichloroethene
 Concen: 19.327 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Tgt Ion: 130 Resp: 173518
 Ion Ratio Lower Upper
 130 100
 95 95.5 0.0 193.0

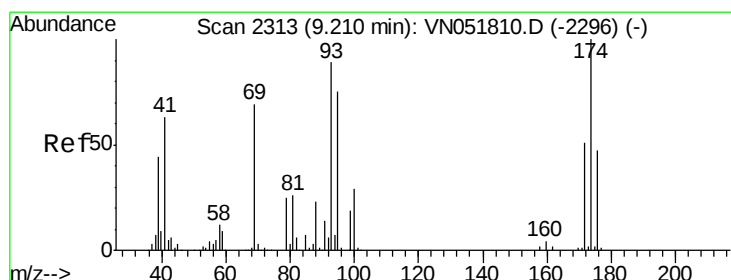
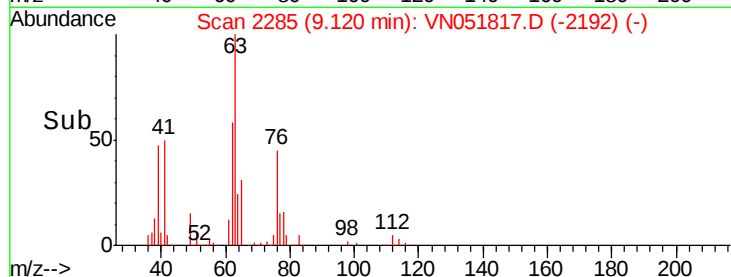
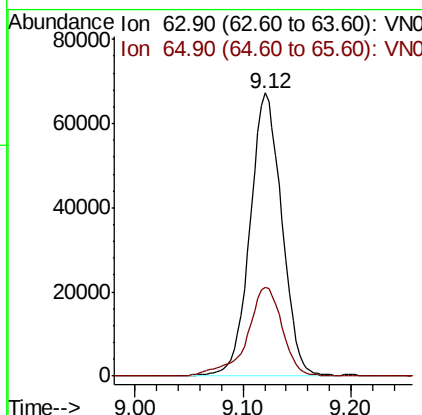
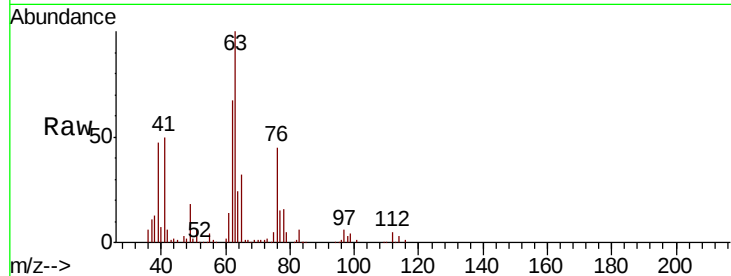




#45
 1,2-Dichloropropane
 Concen: 19.881 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

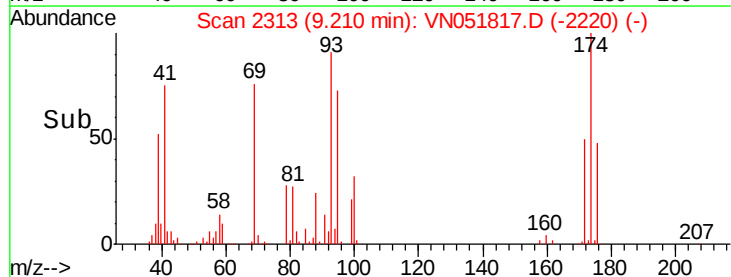
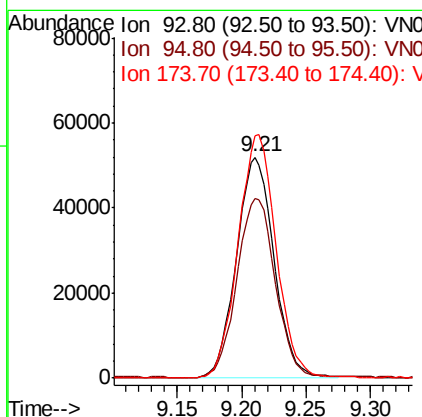
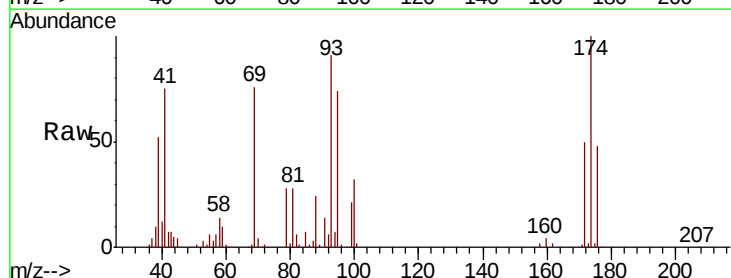
Instrument :
 MSVOA_N
 ClientSampleId :

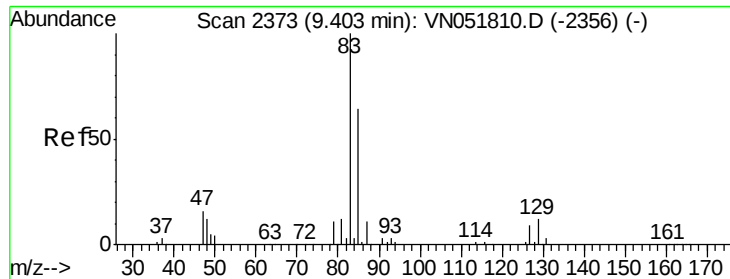
Tot Ion: 63 Resp: 137850
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.6



#46
 Dibromomethane
 Concen: 19.817 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Tgt Ion: 93 Resp: 105450
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.7 100.1
 174 111.2 89.8 134.6

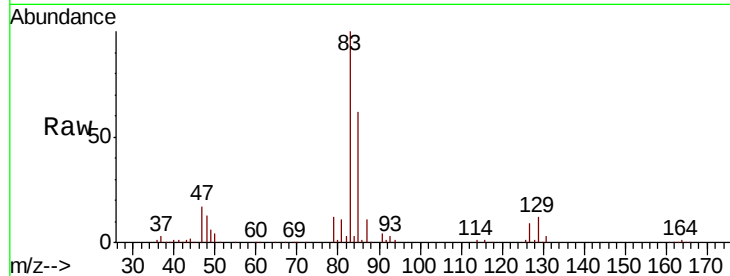




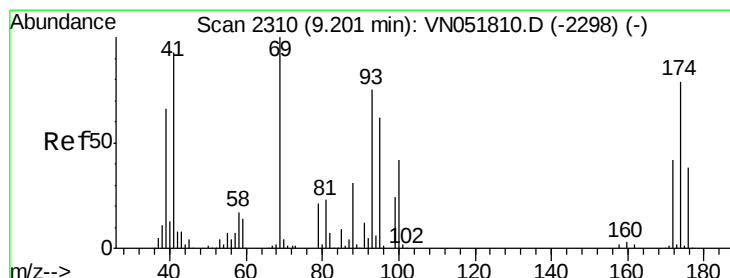
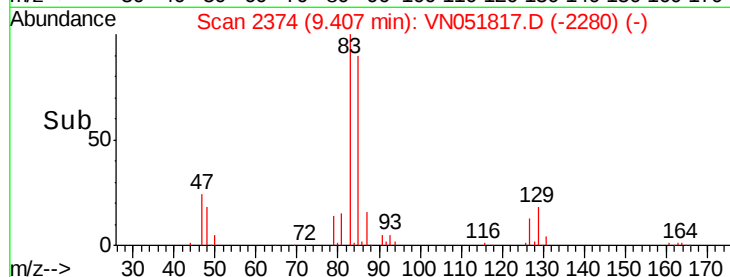
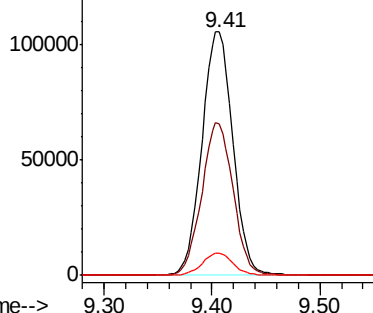
#47
Bromodichloromethane
Concen: 19.913 ug/l
RT: 9.41 min Scan# 2374
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 211700
Ion Ratio Lower Upper
83 100
85 62.3 52.6 78.8
127 9.0 7.2 10.8

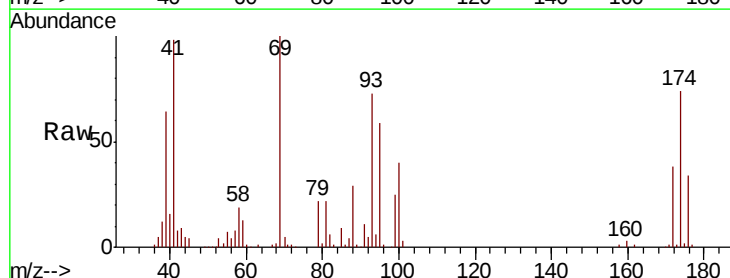


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

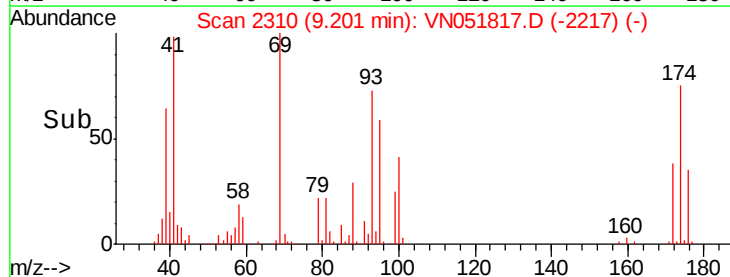
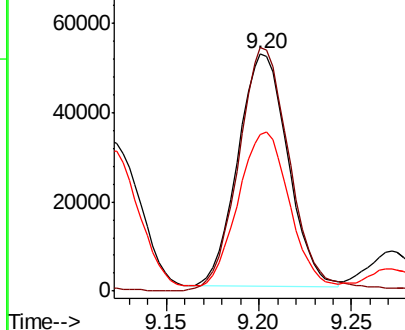


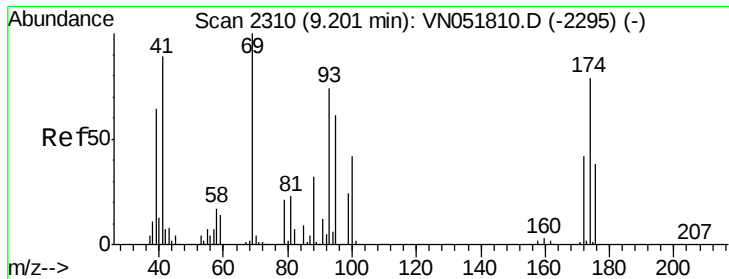
#48
Methyl methacrylate
Concen: 20.922 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion: 41 Resp: 97822
Ion Ratio Lower Upper
41 100
69 106.6 74.7 112.1
39 71.0 42.2 63.2#



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

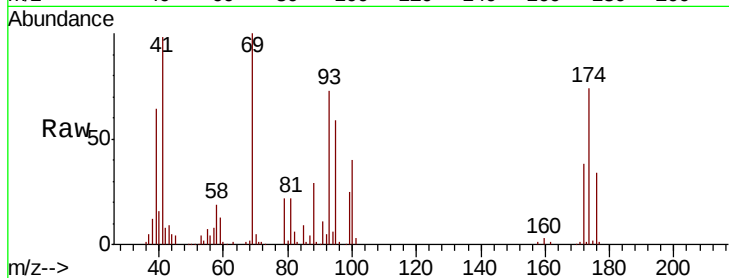




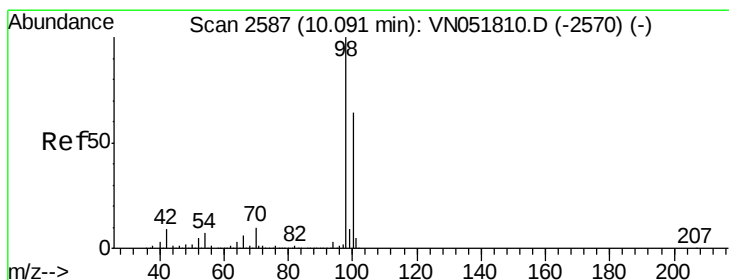
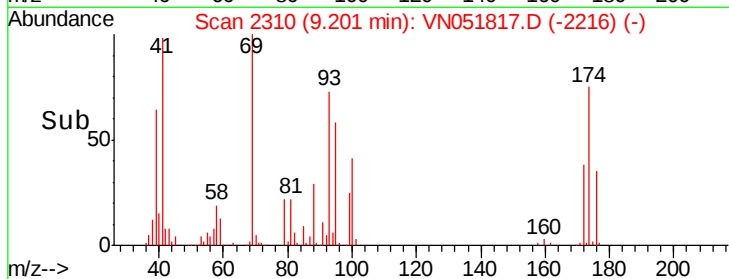
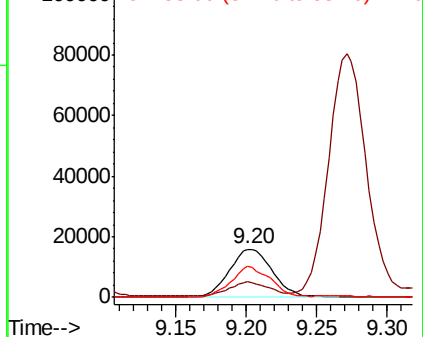
#49
1,4-Dioxane
Concen: 401.387 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 33969
Ion Ratio Lower Upper
88 100
43 26.8 25.9 38.9
58 58.3 55.0 82.4

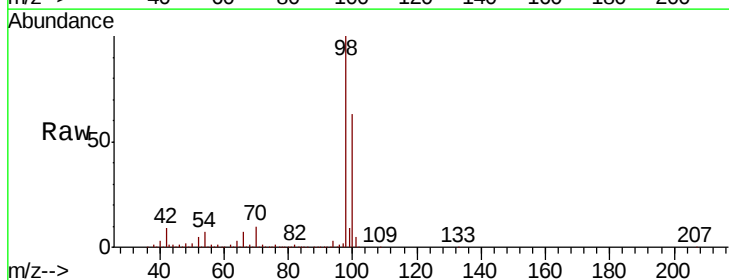


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

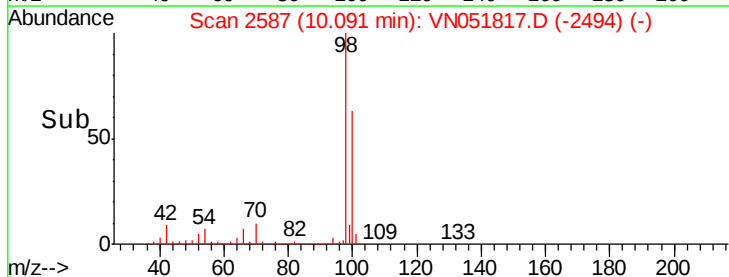
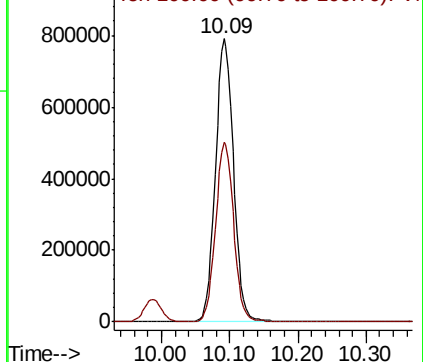


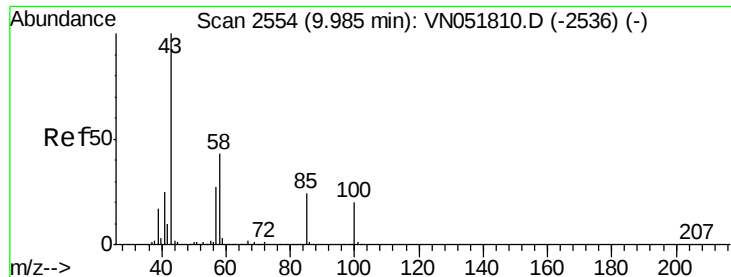
#50
Toluene-d8
Concen: 401.387 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion: 98 Resp: 1456362
Ion Ratio Lower Upper
98 100
100 63.7 51.5 77.3



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





#51

4-Methyl-2-Pentanone

Concen: 104.558 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

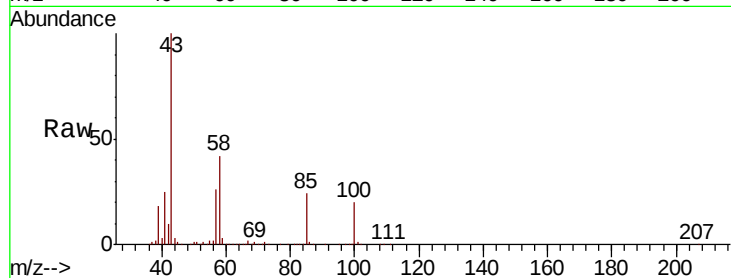
ClientSampleId :

Tot Ion: 43 Resp: 569662

Ion Ratio Lower Upper

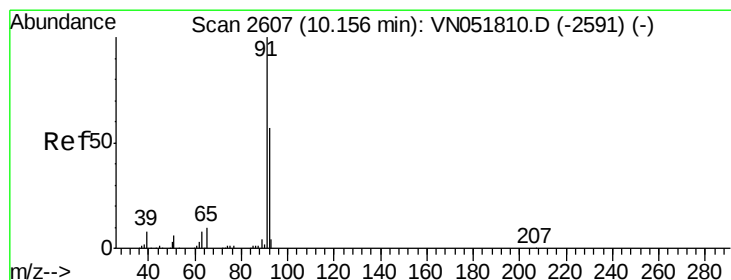
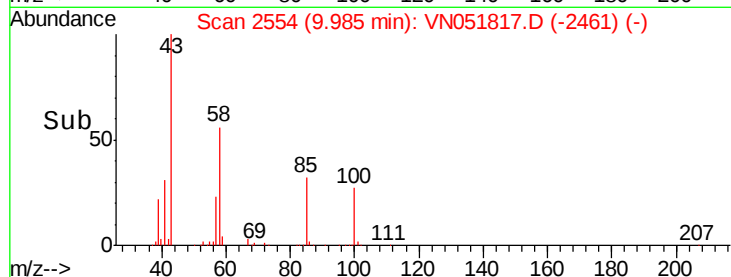
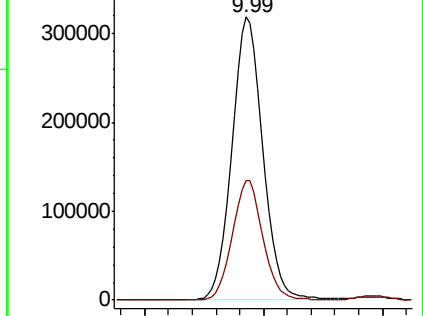
43 100

58 42.1 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.785 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051817.D

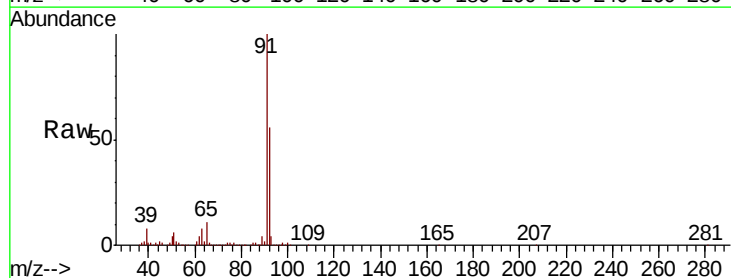
Acq: 11 Oct 2018 17:30

Tgt Ion: 92 Resp: 391771

Ion Ratio Lower Upper

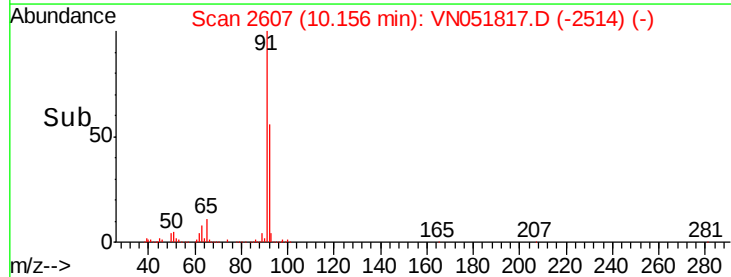
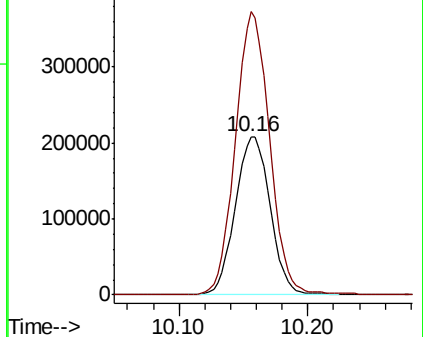
92 100

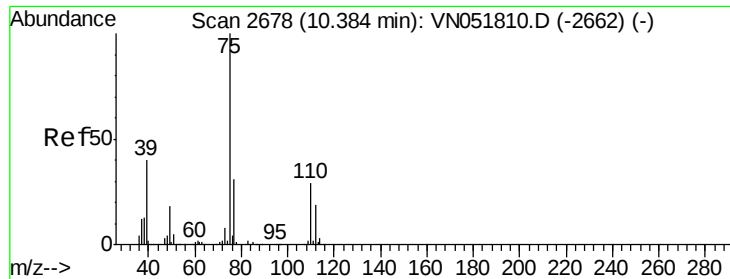
91 175.7 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.029 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

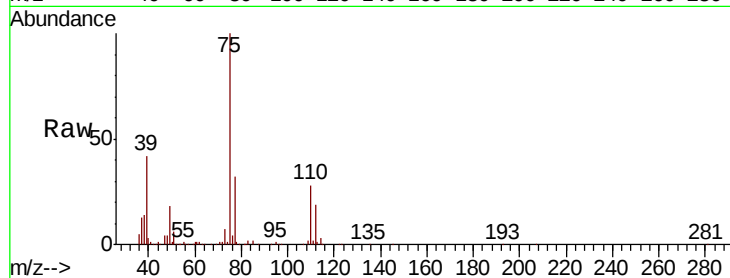
ClientSampleId :

Tot Ion: 75 Resp: 202692

Ion Ratio Lower Upper

75 100

77 31.0 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

120000

100000

80000

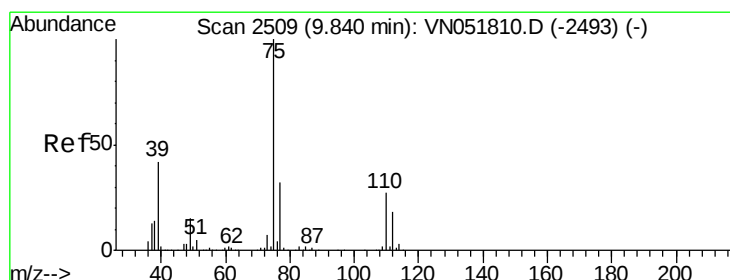
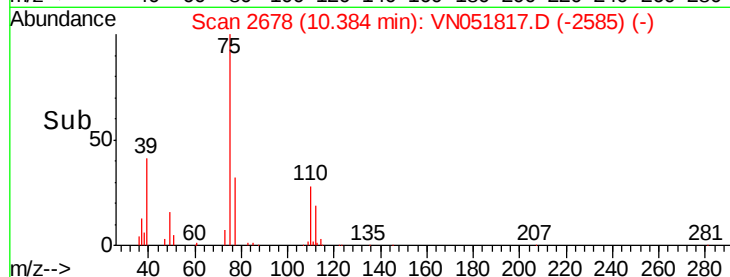
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.259 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

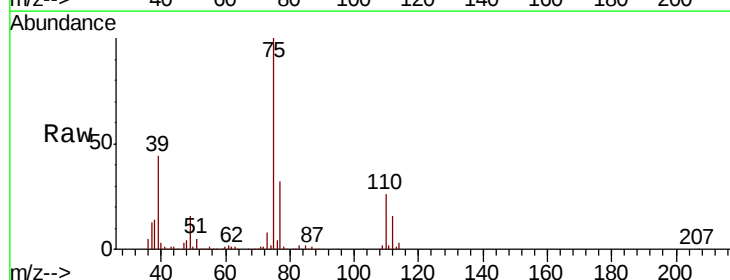
Tgt Ion: 75 Resp: 225213

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.2

39 44.2 33.0 49.4



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

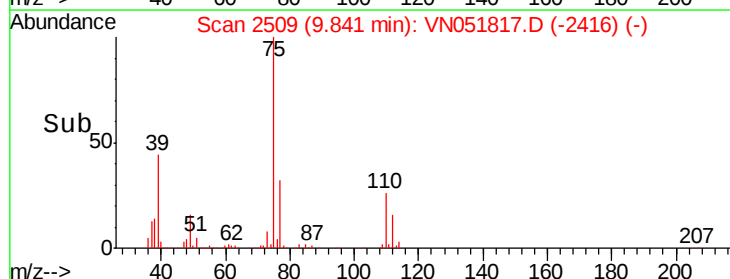
150000

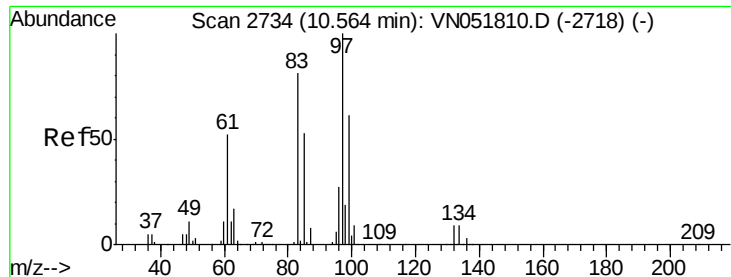
100000

50000

0

Time-->

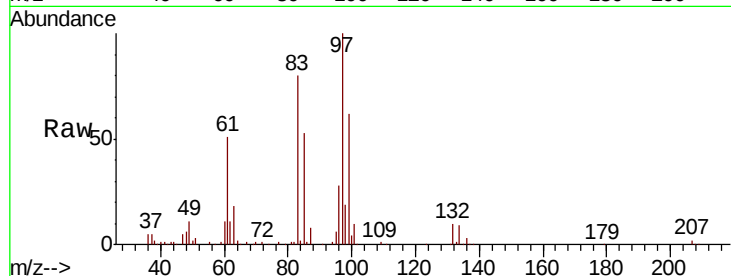




#55
 1,1,2-Trichloroethane
 Concen: 20.011 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	97	Resp	149057
Ion Ratio	Lower	Upper	
97	100		
83	80.2	69.7	104.5
85	53.5	44.5	66.7
99	61.8	50.7	76.1



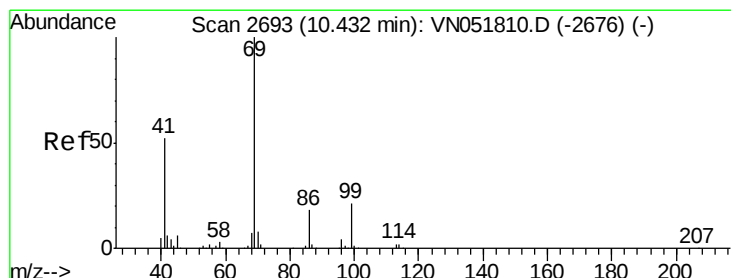
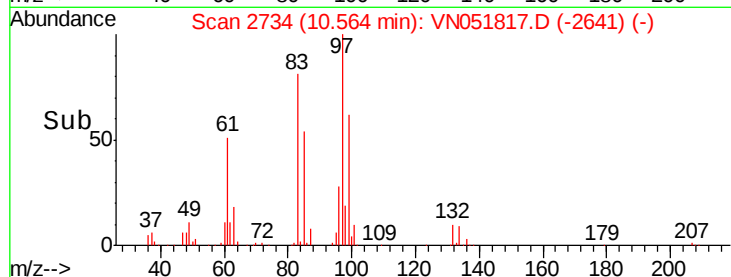
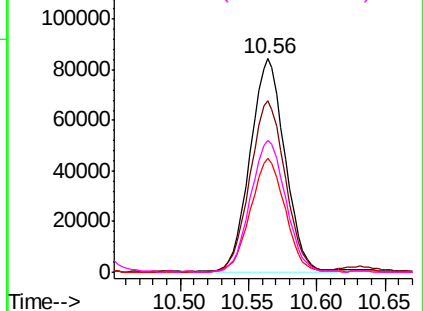
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

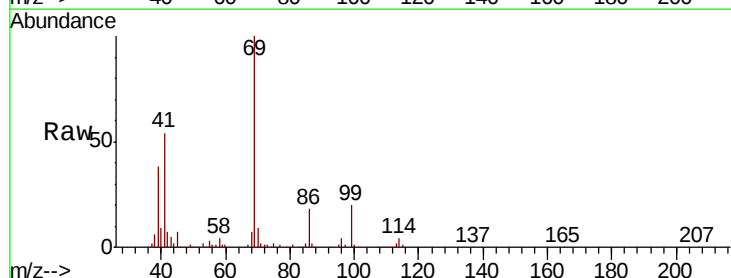
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 20.716 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Tgt Ion	69	Resp	181724
Ion Ratio	Lower	Upper	
69	100		
41	53.3	48.3	72.5
39	38.7	24.0	36.0#

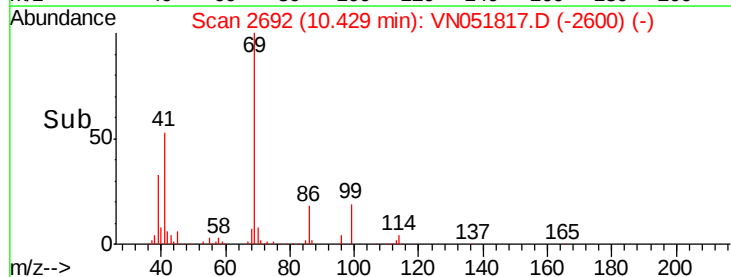
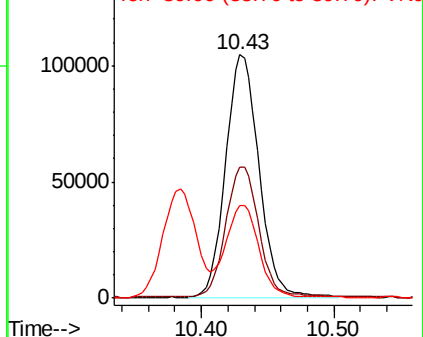


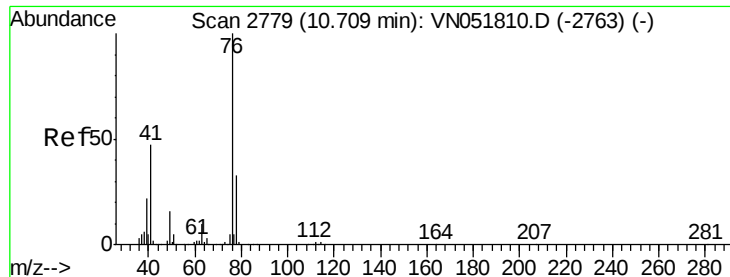
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 19.576 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

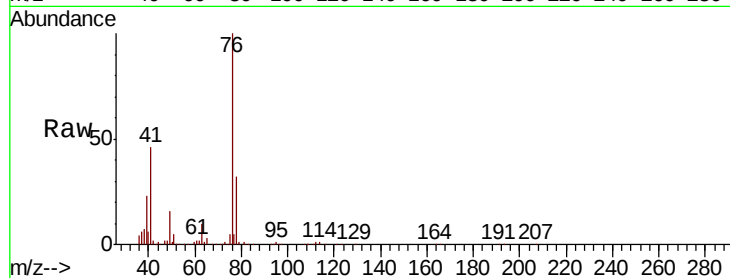
ClientSampled :

Tot Ion: 76 Resp: 226548

Ion Ratio Lower Upper

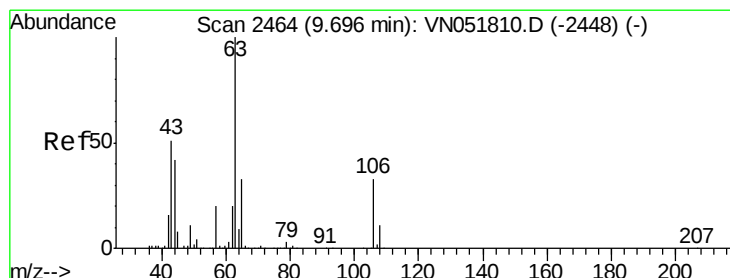
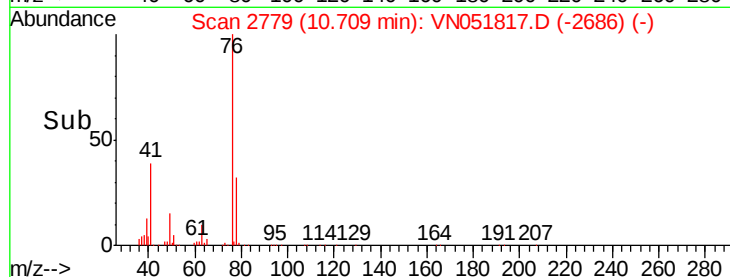
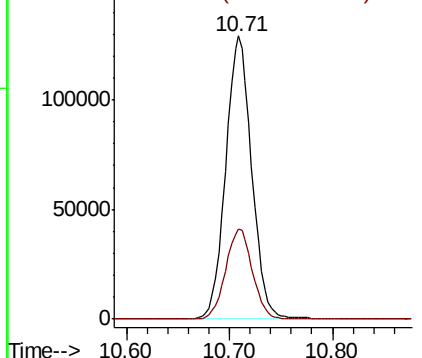
76 100

78 33.0 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 98.987 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051817.D

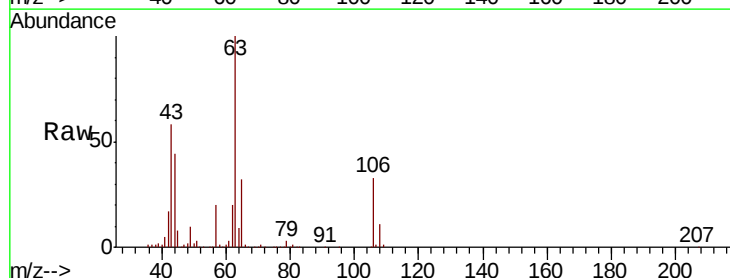
Acq: 11 Oct 2018 17:30

Tgt Ion: 63 Resp: 378108

Ion Ratio Lower Upper

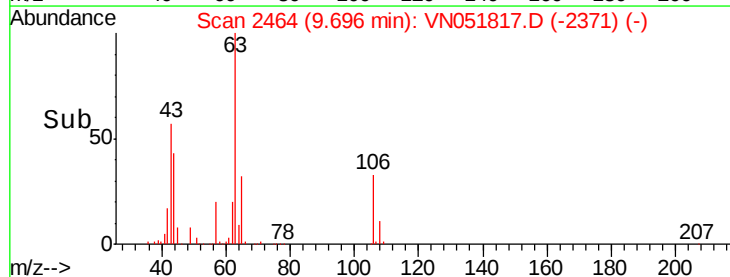
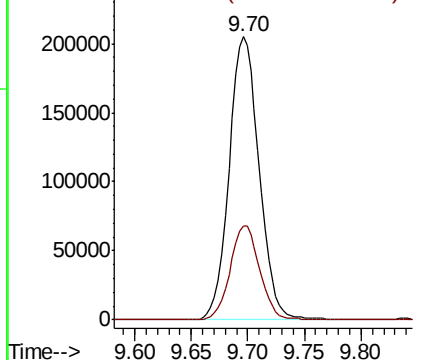
63 100

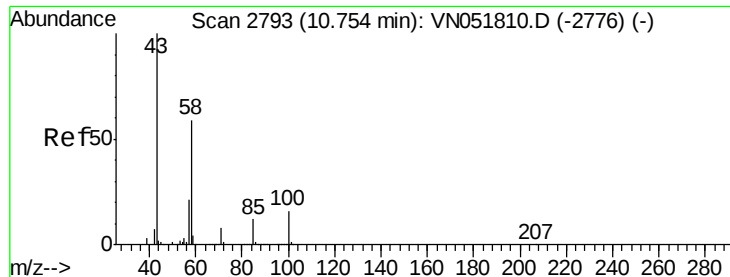
106 32.9 21.9 32.9#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

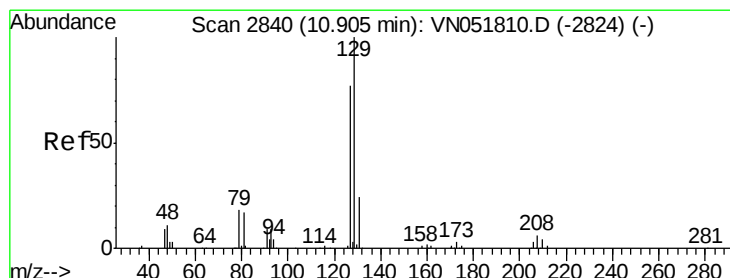
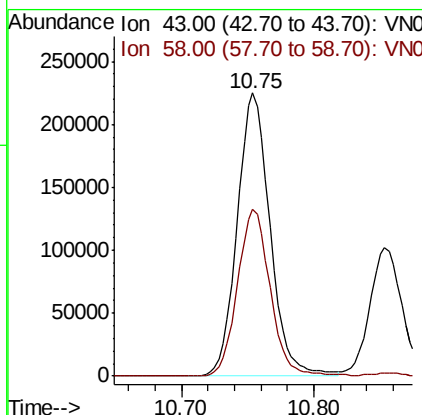
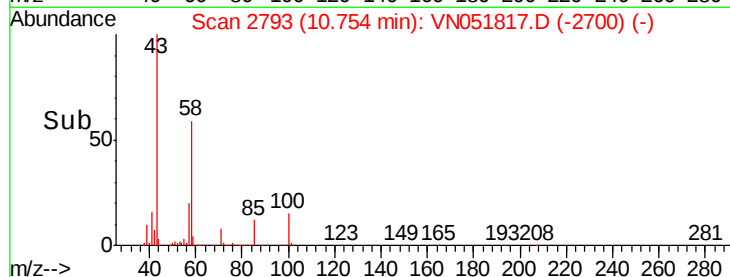
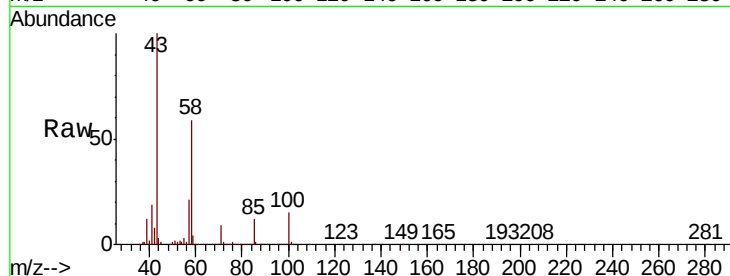




#59
2-Hexanone
Concen: 100.504 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

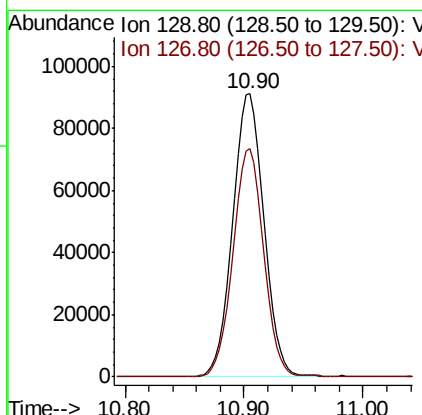
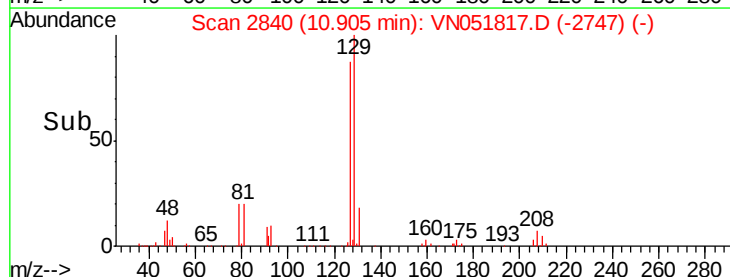
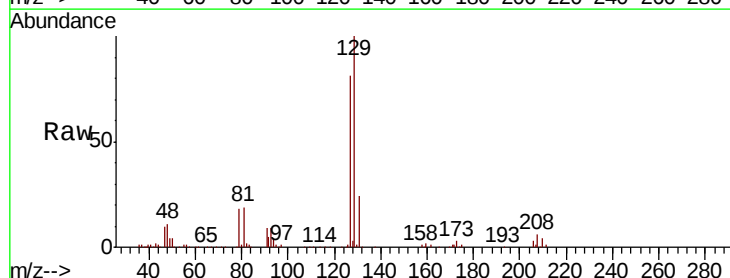
Instrument :
MSVOA_N
ClientSampled :

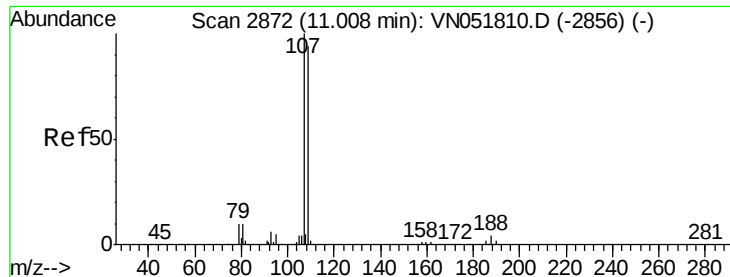
Tot Ion: 43 Resp: 384594
Ion Ratio Lower Upper
43 100
58 59.2 28.3 85.0



#60
Dibromochloromethane
Concen: 18.809 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion: 129 Resp: 166332
Ion Ratio Lower Upper
129 100
127 79.2 38.3 114.9





#61

1,2-Dibromoethane

Concen: 19.956 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

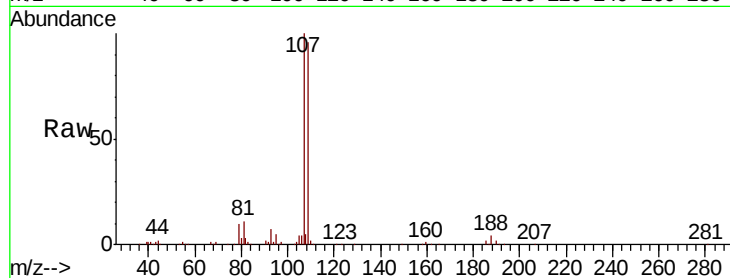
ClientSampleId :

Tot Ion: 107 Resp: 153098

Ion Ratio Lower Upper

107 100

109 93.7 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

80000

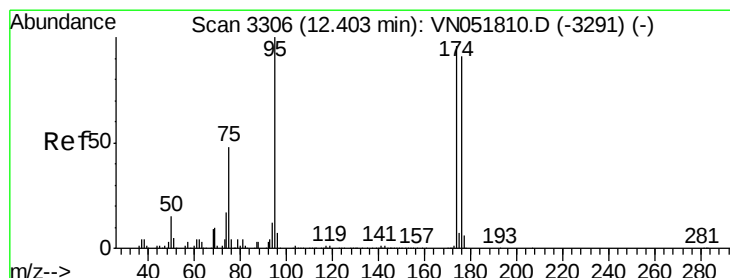
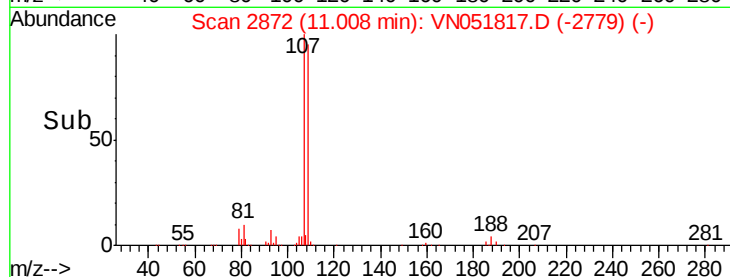
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 19.956 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

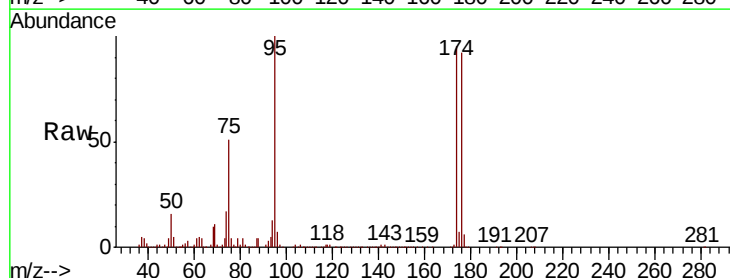
Tgt Ion: 95 Resp: 492922

Ion Ratio Lower Upper

95 100

174 94.0 0.0 183.0

176 90.5 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

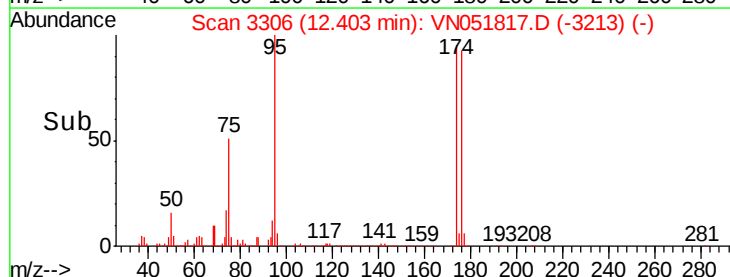
300000

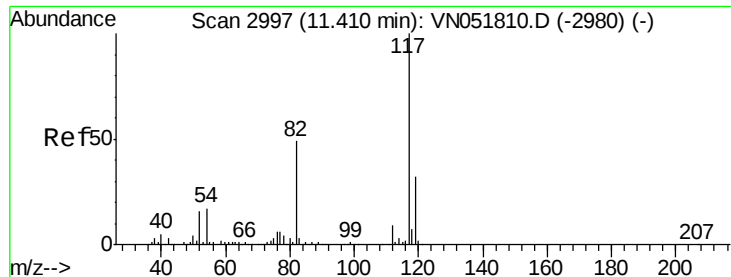
200000

100000

0

Time--> 12.30 12.40 12.50

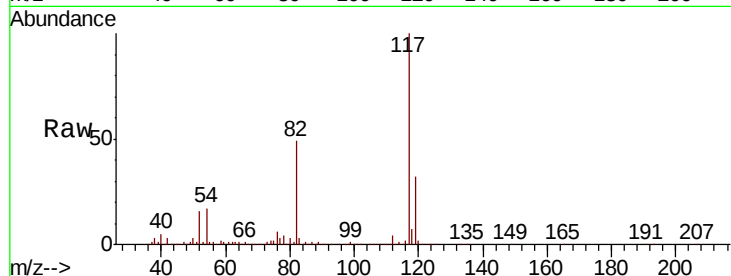




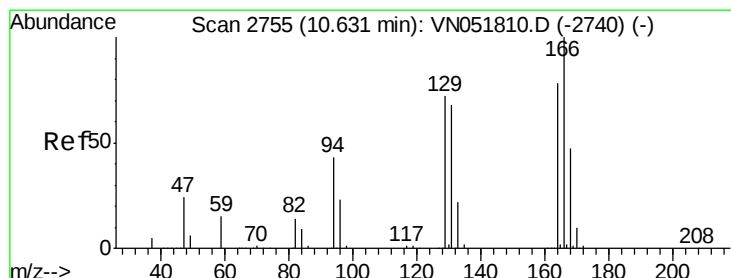
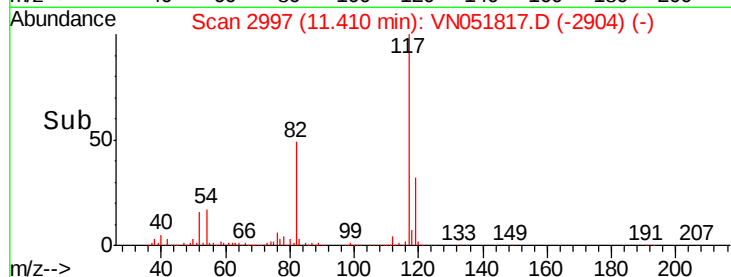
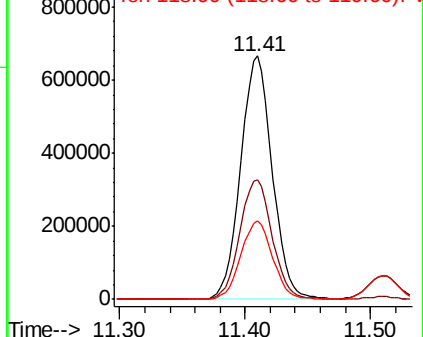
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1166675
Ion Ratio Lower Upper
117 100
82 49.3 42.6 64.0
119 32.2 25.8 38.6

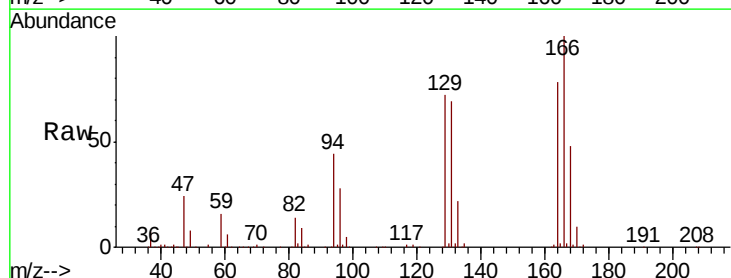


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

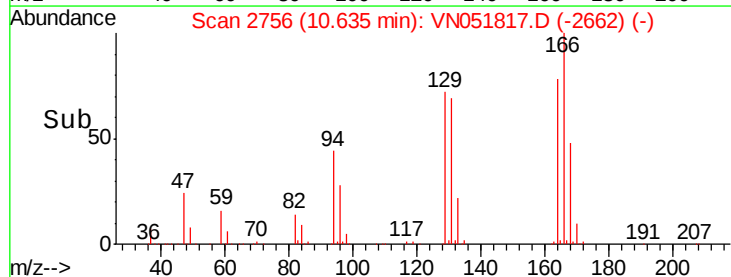
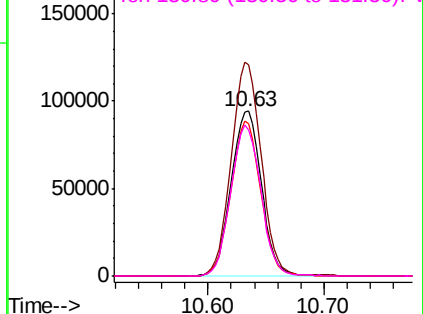


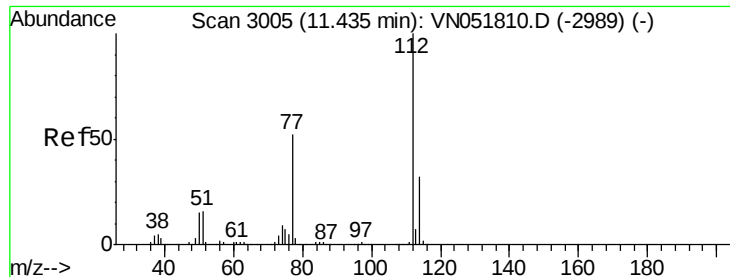
#64
Tetrachloroethene
Concen: 19.083 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion:164 Resp: 170753
Ion Ratio Lower Upper
164 100
166 128.2 103.5 155.3
129 92.1 72.7 109.1
131 88.6 69.5 104.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.052 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

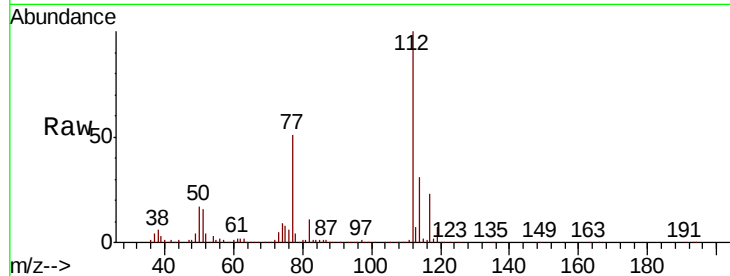
ClientSampled :

Tot Ion:112 Resp: 449526

Ion Ratio Lower Upper

112 100

114 31.2 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

250000

200000

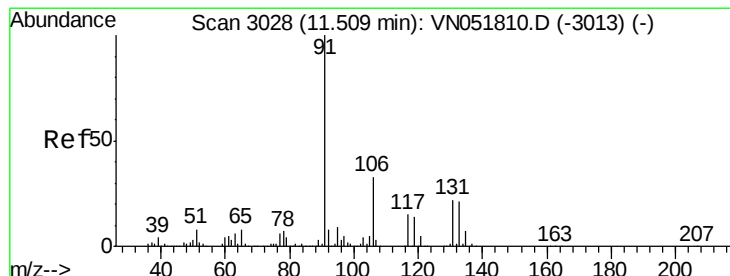
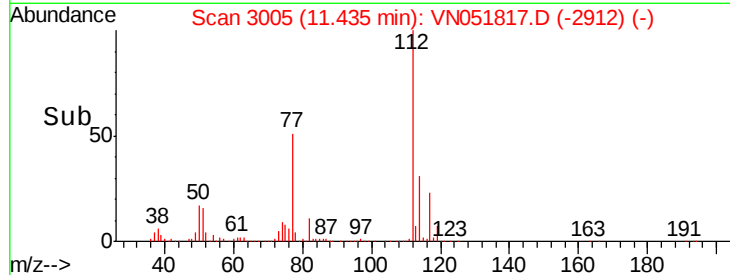
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.915 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

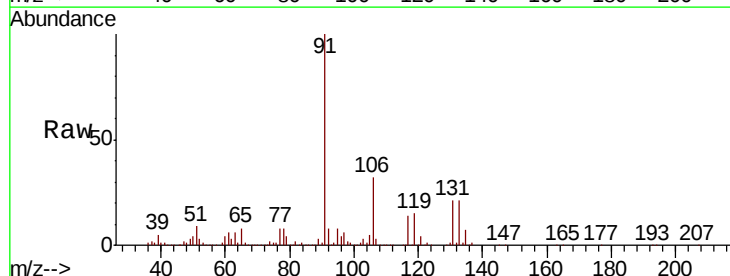
Tgt Ion:131 Resp: 170105

Ion Ratio Lower Upper

131 100

133 96.3 47.4 142.3

119 65.5 32.8 98.4



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

300000

250000

200000

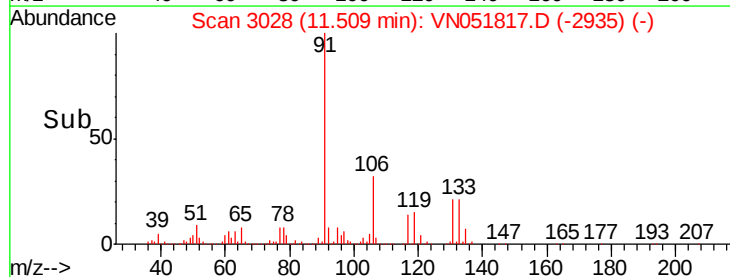
150000

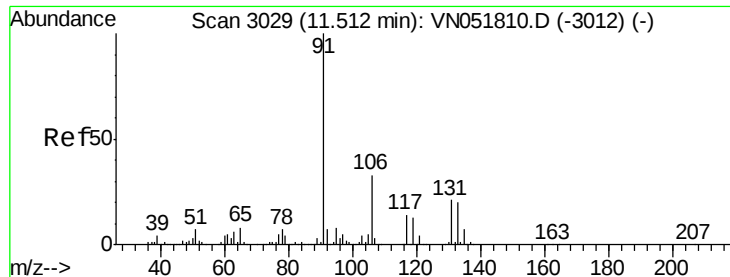
100000

50000

0

Time-->

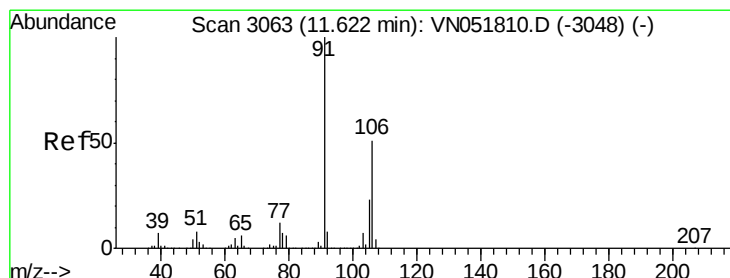
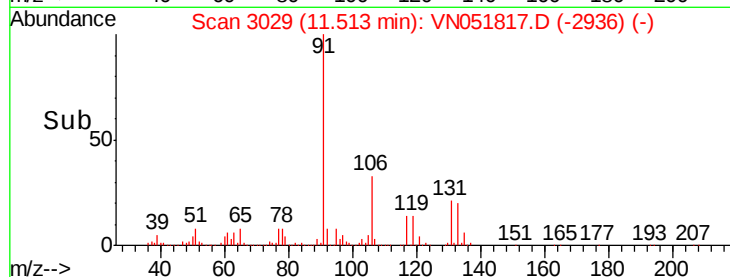
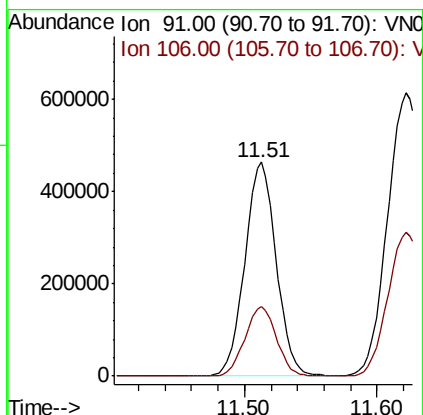
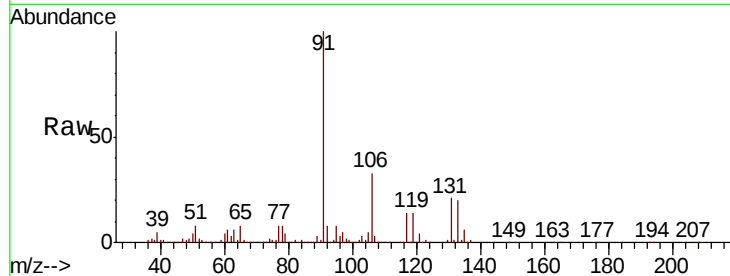




#67
Ethyl Benzene
Concen: 19.440 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

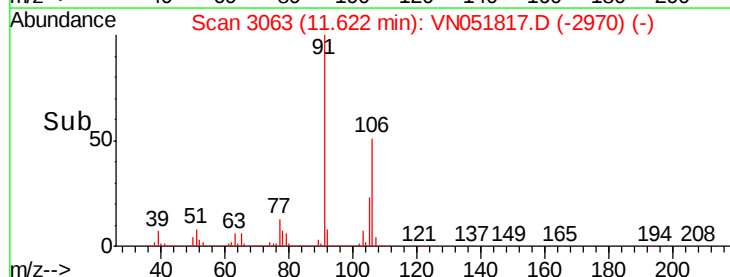
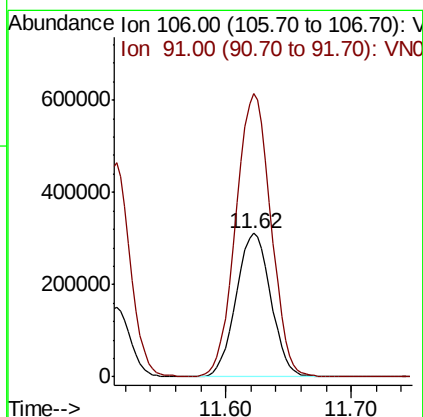
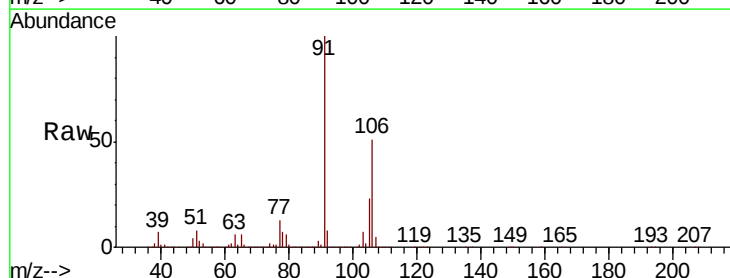
Instrument :
MSVOA_N
ClientSampled :

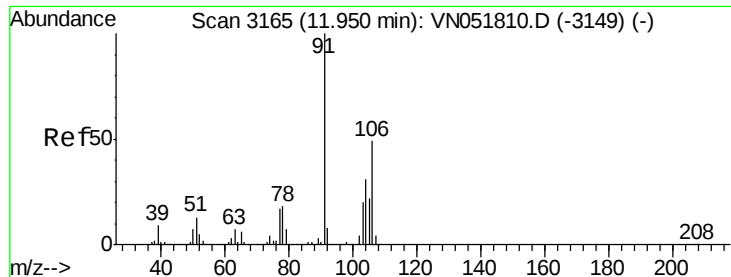
Tot Ion: 91 Resp: 759319
Ion Ratio Lower Upper
91 100
106 32.6 25.0 37.4



#68
m/p-Xylenes
Concen: 37.996 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion: 106 Resp: 599490
Ion Ratio Lower Upper
106 100
91 198.5 161.0 241.6

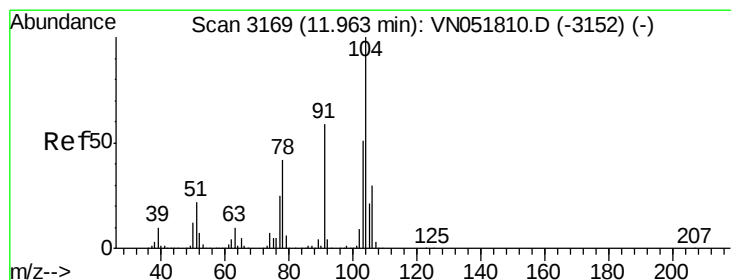
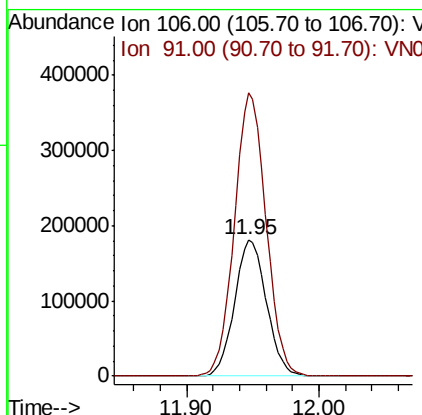
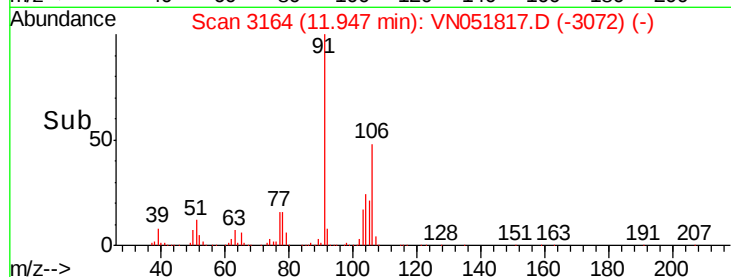
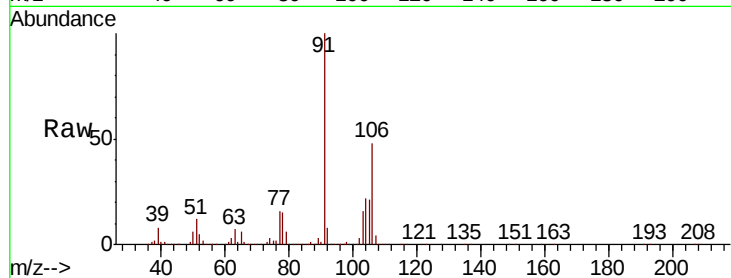




#69
o-Xylene
Concen: 19.694 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

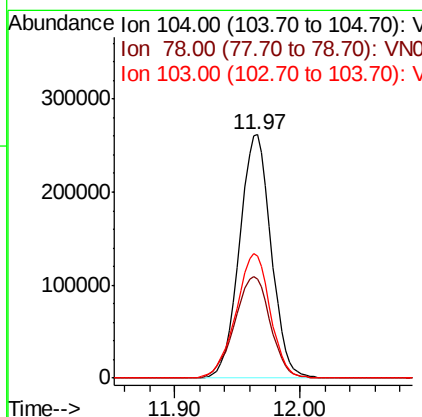
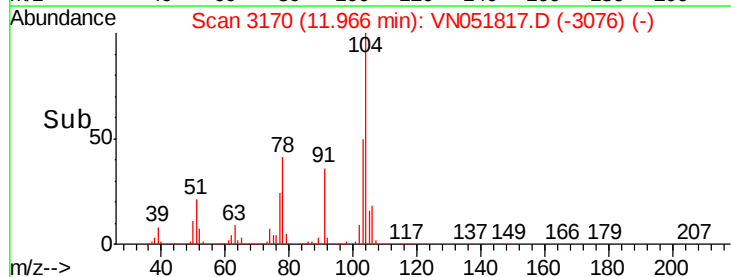
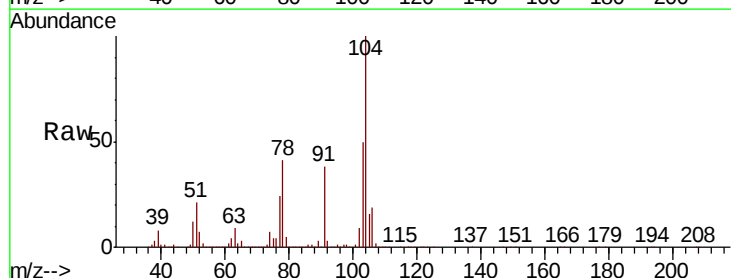
Instrument :
MSVOA_N
ClientSampled :

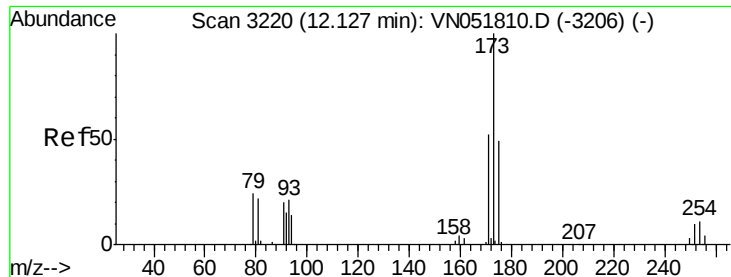
Tot Ion:106 Resp: 301774
Ion Ratio Lower Upper
106 100
91 205.9 106.5 319.5



#70
Styrene
Concen: 19.416 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion:104 Resp: 458989
Ion Ratio Lower Upper
104 100
78 47.2 38.2 57.4
103 55.4 44.4 66.6





#71

Bromoform

Concen: 17.972 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

ClientSampled :

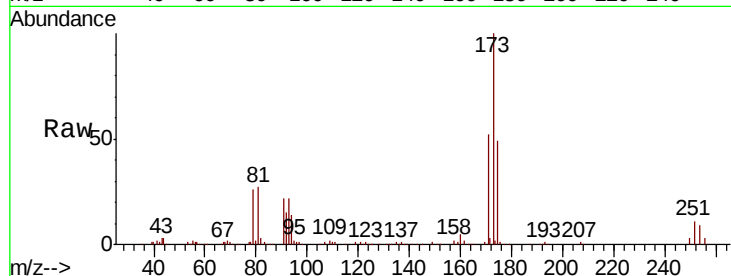
Tot Ion:173 Resp: 109790

Ion Ratio Lower Upper

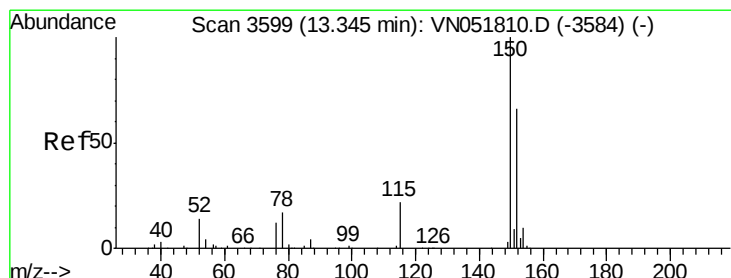
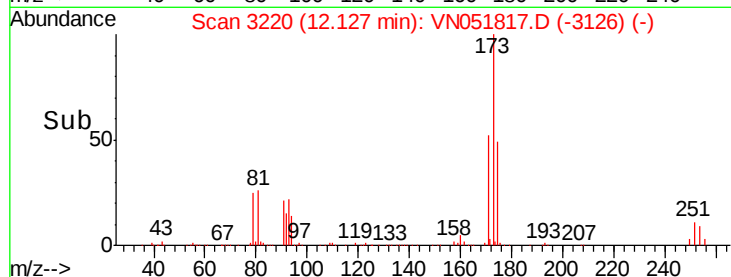
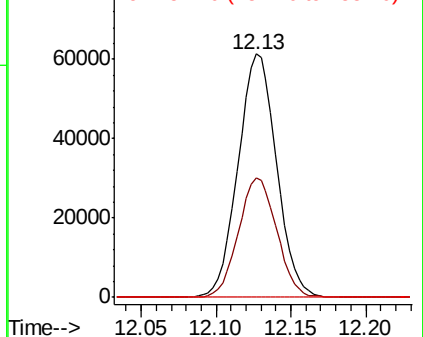
173 100

175 48.7 24.4 73.4

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

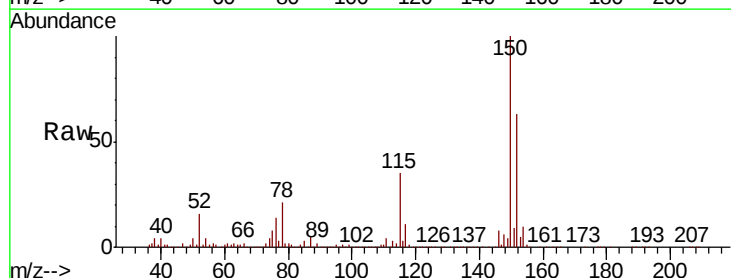
Tgt Ion:152 Resp: 559590

Ion Ratio Lower Upper

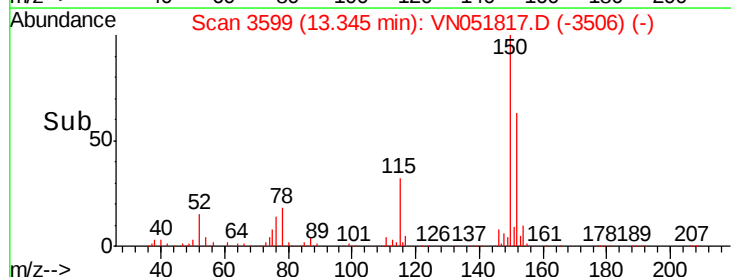
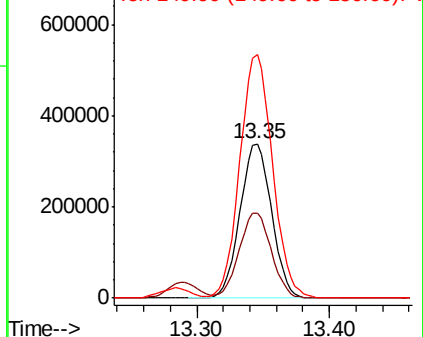
152 100

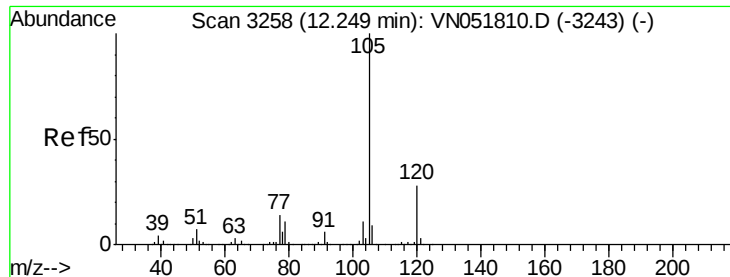
115 55.8 27.8 83.4

150 163.5 0.0 351.4



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





#73

Isopropylbenzene

Concen: 18.590 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

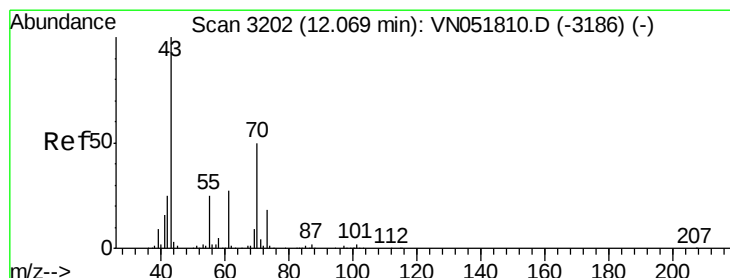
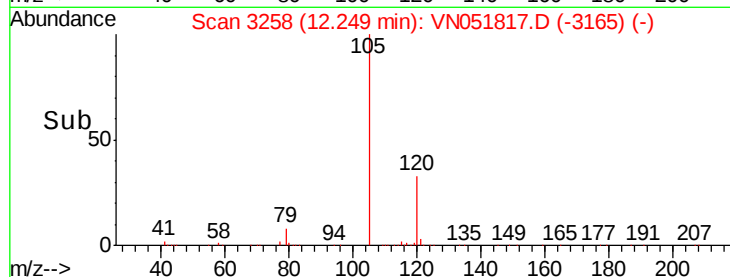
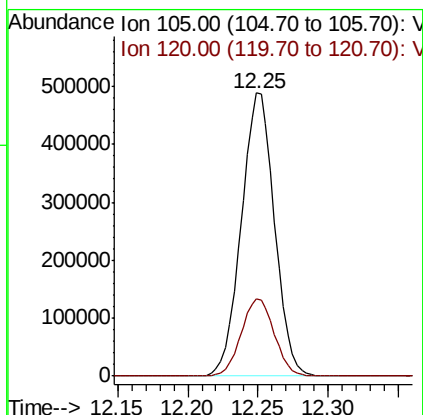
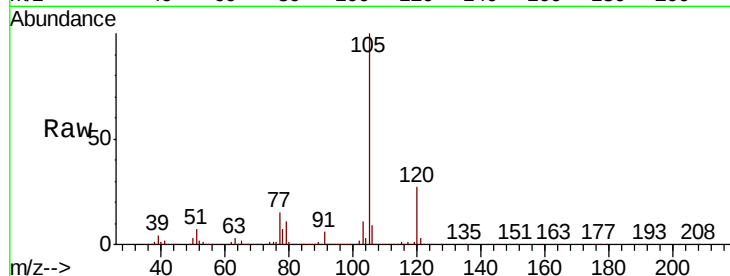
ClientSampled :

Tot Ion:105 Resp: 801590

Ion Ratio Lower Upper

105 100

120 27.3 13.5 40.4



#74

N-ethyl acetate

Concen: 21.840 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Tgt Ion: 43 Resp: 186764

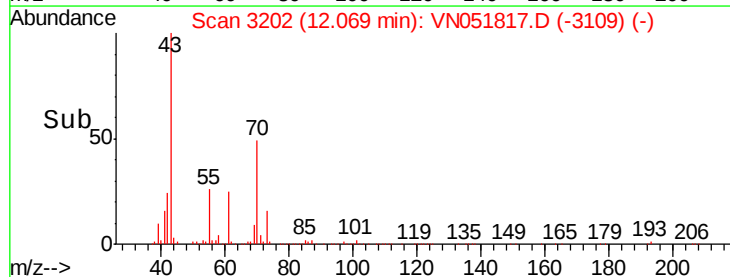
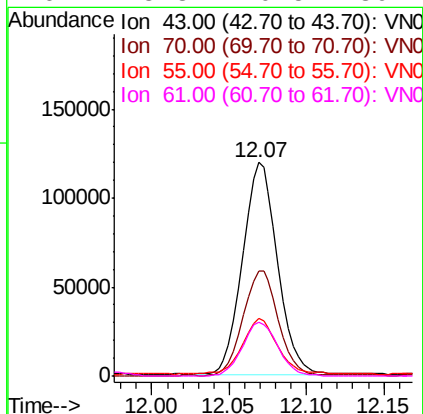
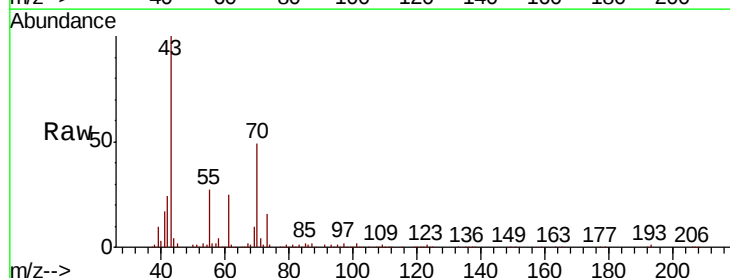
Ion Ratio Lower Upper

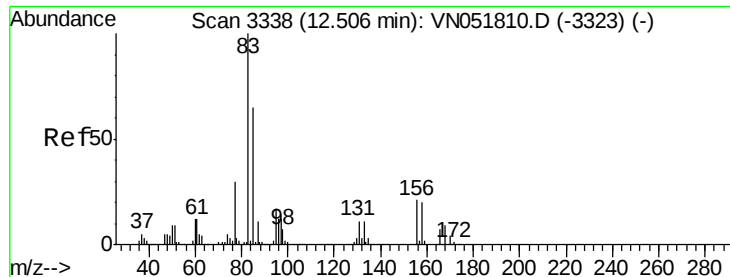
43 100

70 49.6 36.2 54.2

55 26.5 21.8 32.8

61 25.8 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.163 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

ClientSampled :

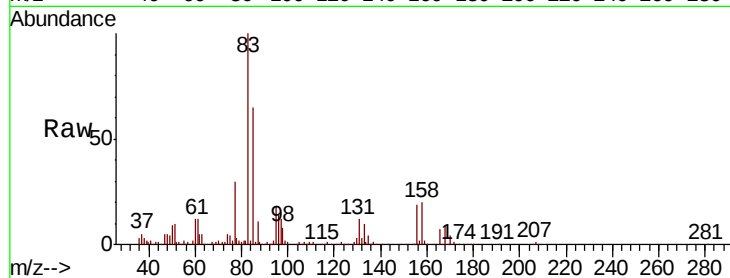
Tot Ion: 83 Resp: 181495

Ion Ratio Lower Upper

83 100

131 12.5 5.3 15.9

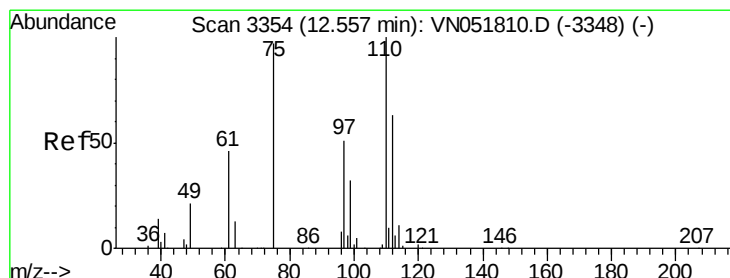
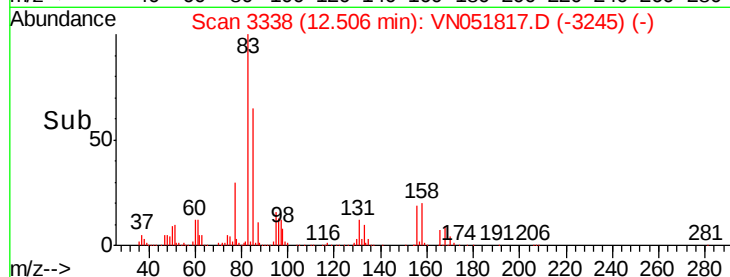
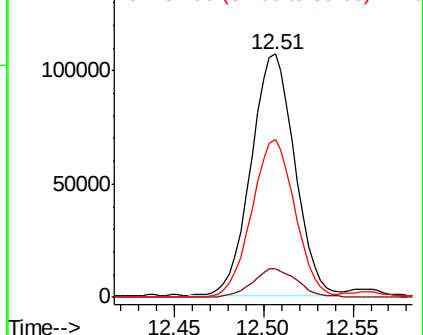
85 64.8 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 31.076 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051817.D

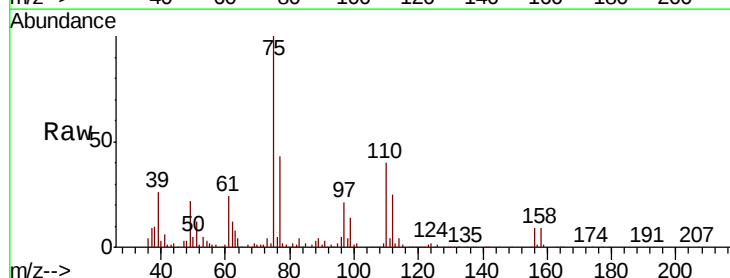
Acq: 11 Oct 2018 17:30

Tgt Ion: 75 Resp: 215716

Ion Ratio Lower Upper

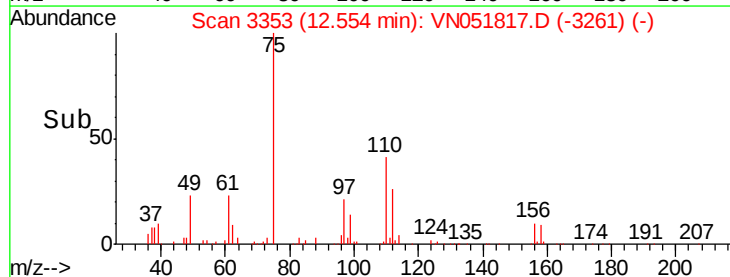
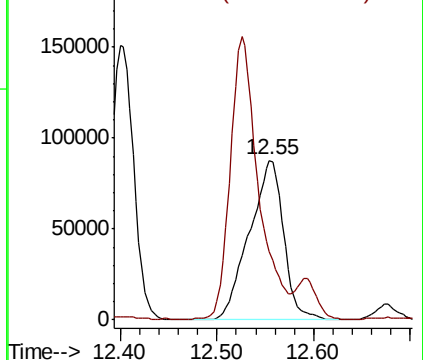
75 100

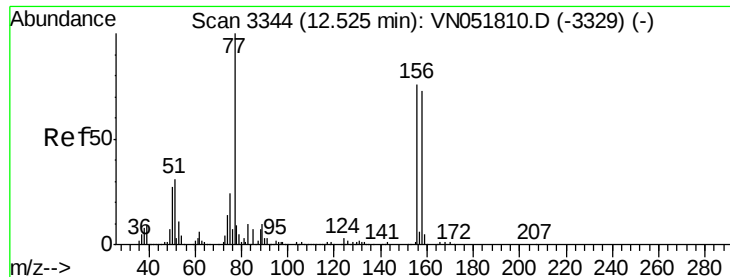
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.487 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

ClientSampled :

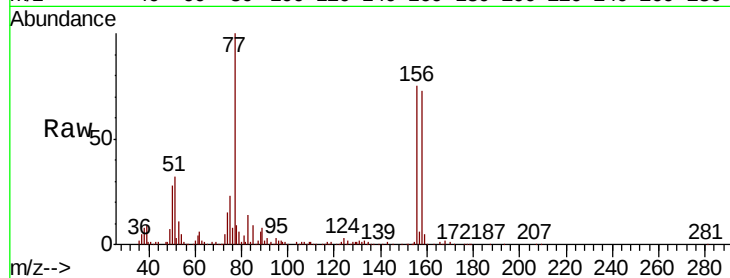
Tot Ion:156 Resp: 198761

Ion Ratio Lower Upper

156 100

77 157.9 89.9 269.7

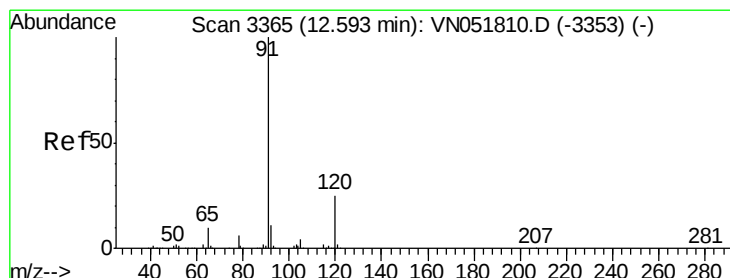
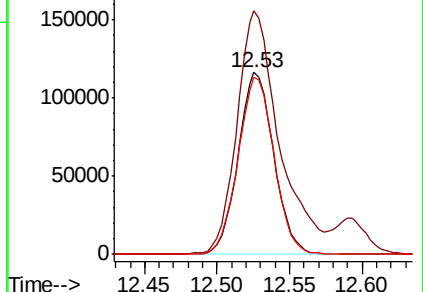
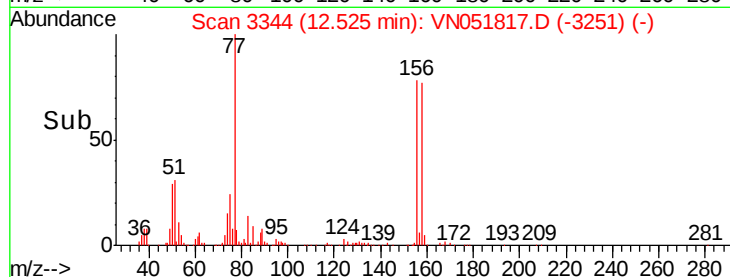
158 98.4 49.3 147.9



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: 19.200 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051817.D

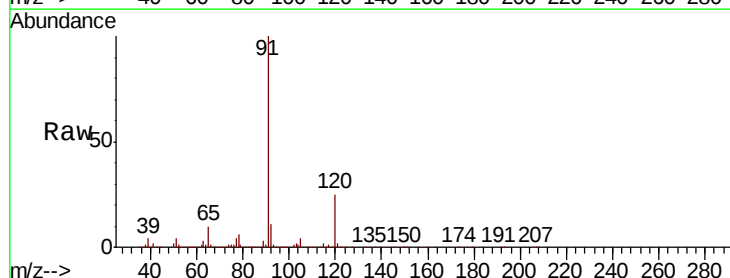
Acq: 11 Oct 2018 17:30

Tgt Ion: 91 Resp: 866957

Ion Ratio Lower Upper

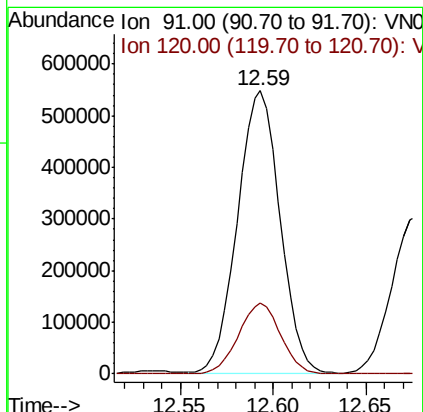
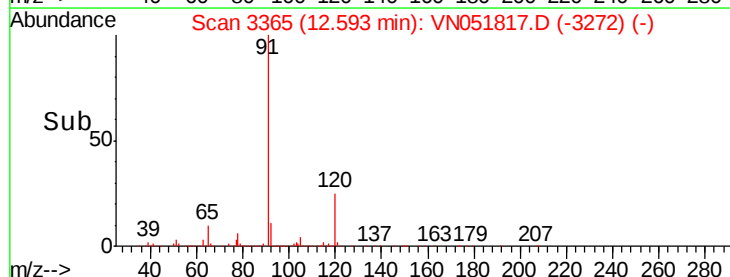
91 100

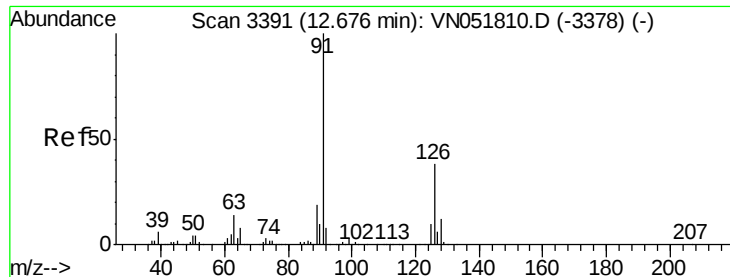
120 25.0 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.534 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

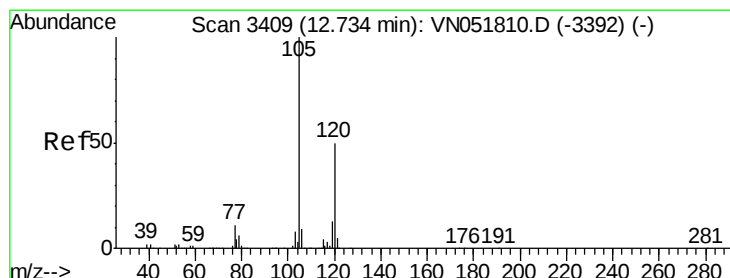
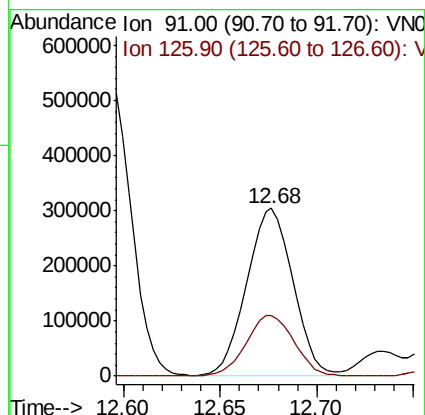
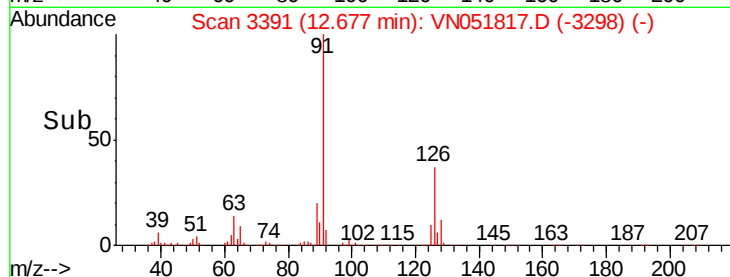
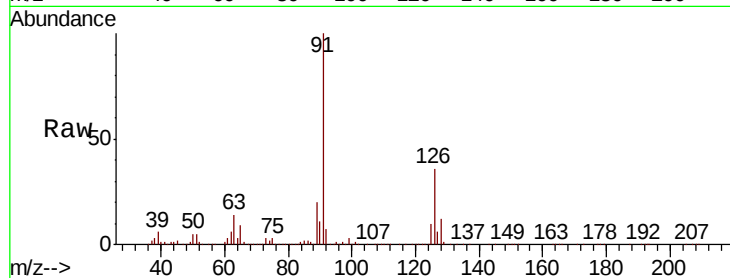
ClientSampled :

Tot Ion: 91 Resp: 504133

Ion Ratio Lower Upper

91 100

126 37.6 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 18.958 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051817.D

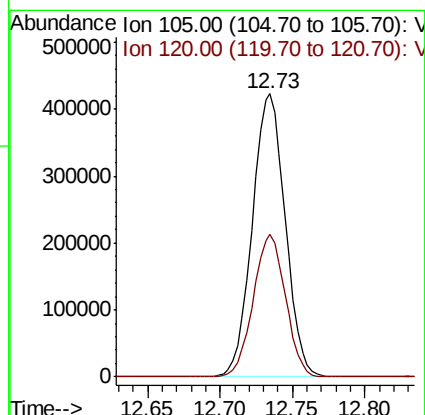
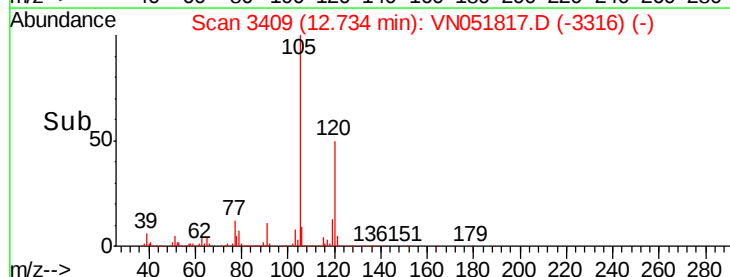
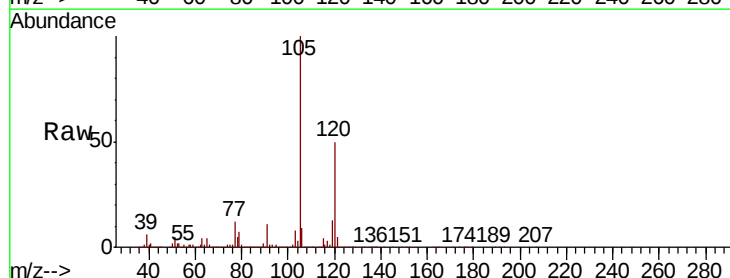
Acq: 11 Oct 2018 17:30

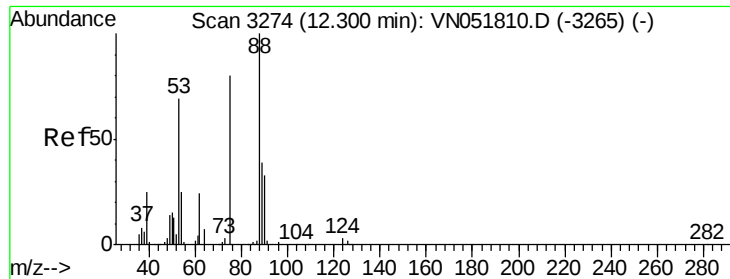
Tgt Ion:105 Resp: 666110

Ion Ratio Lower Upper

105 100

120 49.6 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.884 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

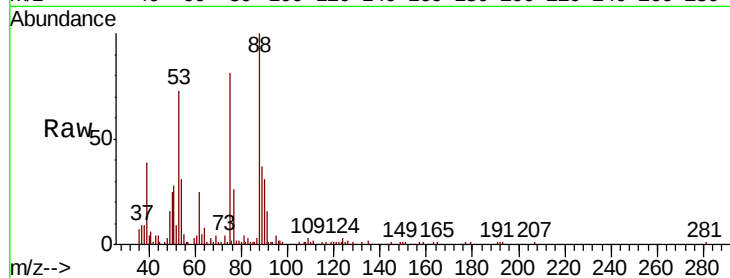
Tot Ion: 75 Resp: 43460

Ion Ratio Lower Upper

75 100

53 91.7 68.9 103.3

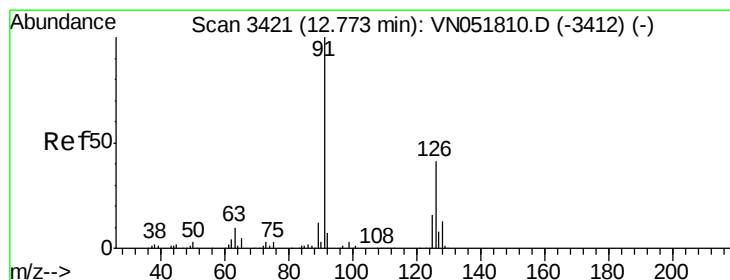
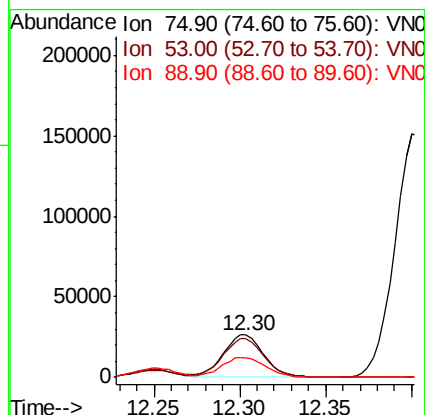
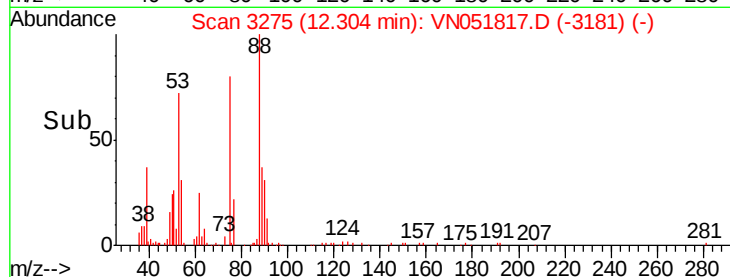
89 49.9 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.217 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051817.D

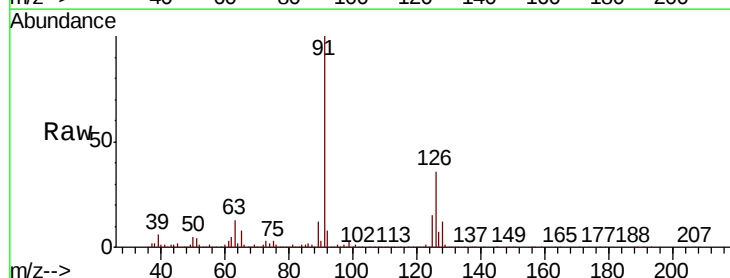
Acq: 11 Oct 2018 17:30

Tgt Ion: 91 Resp: 502297

Ion Ratio Lower Upper

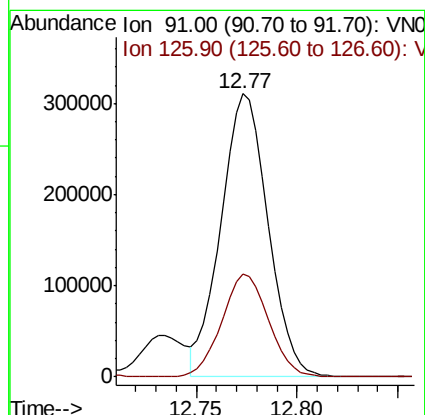
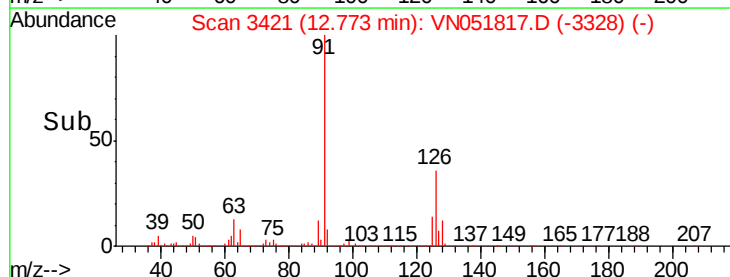
91 100

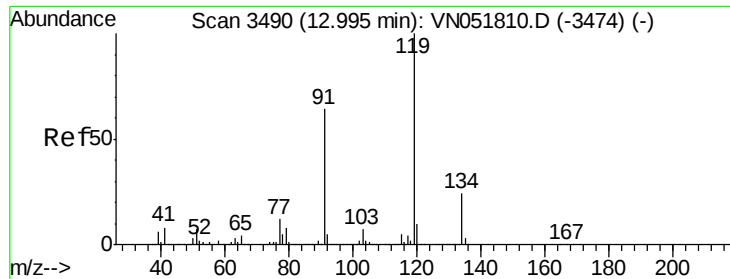
126 36.2 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

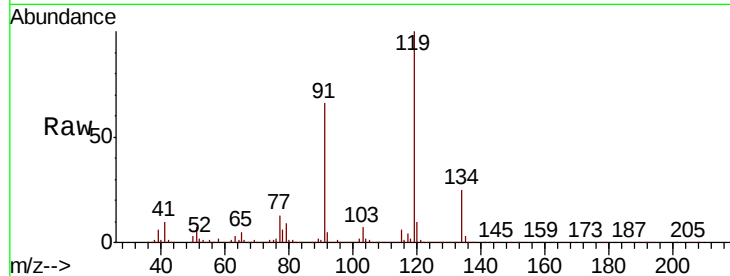




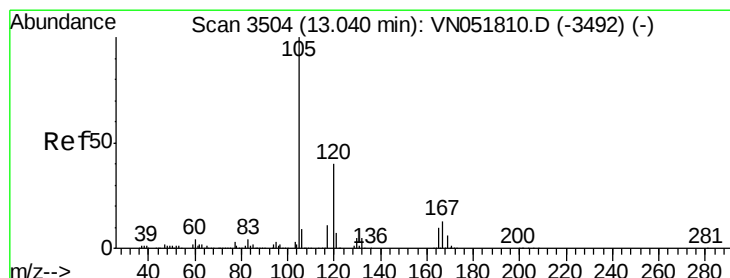
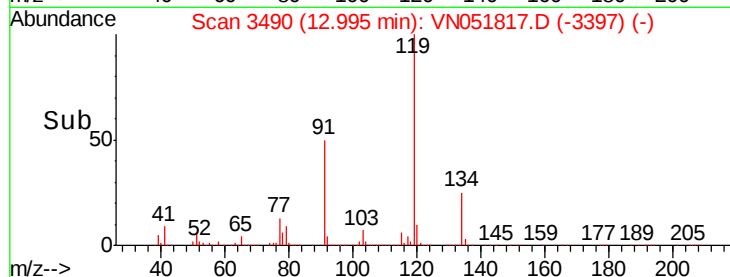
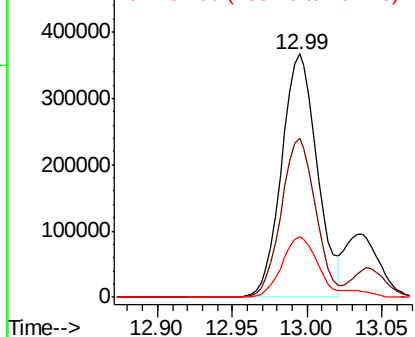
#83
tert-Butylbenzene
Concen: 18.532 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 603923
Ion Ratio Lower Upper
119 100
91 63.6 31.6 94.7
134 27.1 13.4 40.1

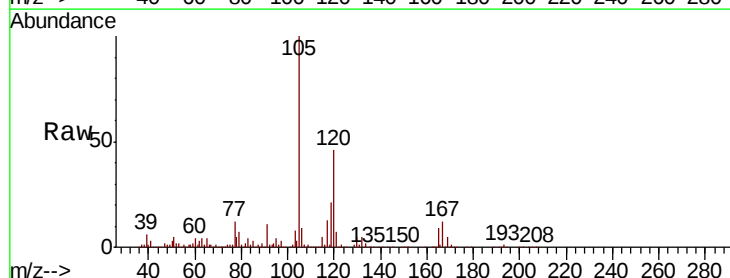


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

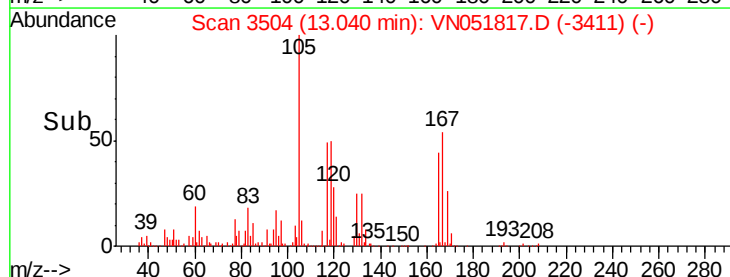
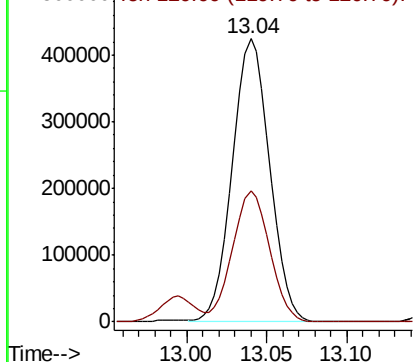


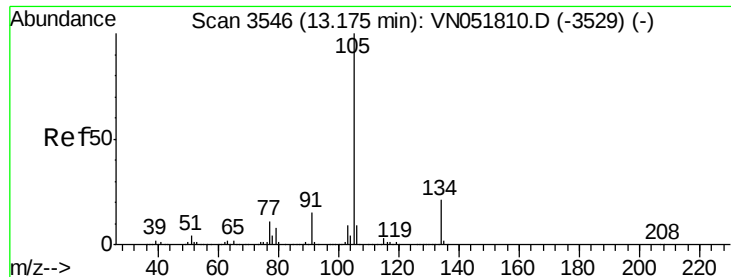
#84
1,2,4-Trimethylbenzene
Concen: 19.186 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion:105 Resp: 671197
Ion Ratio Lower Upper
105 100
120 46.5 22.9 68.8



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

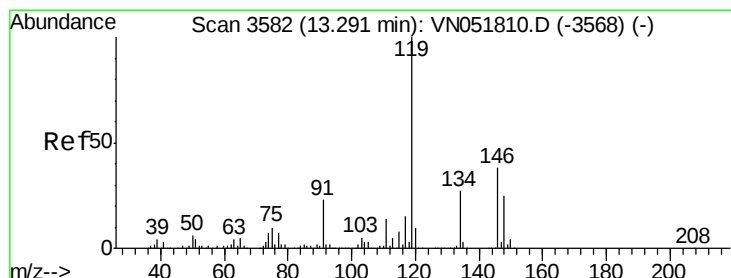
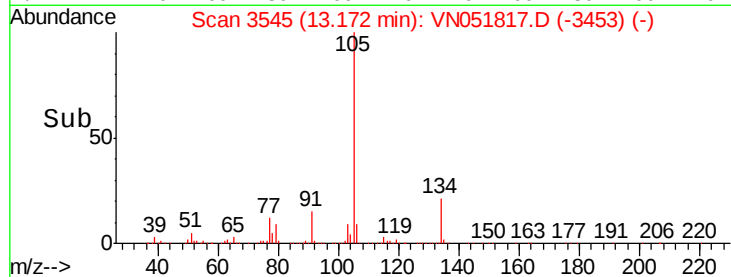
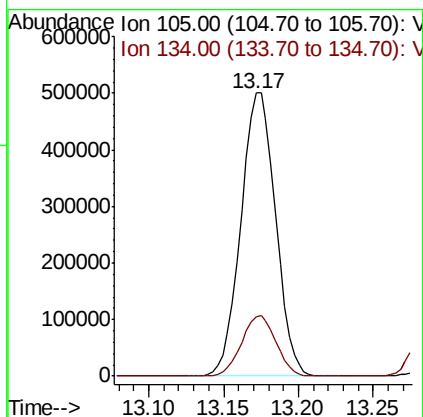
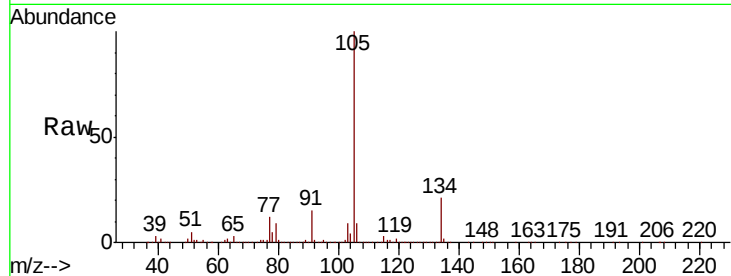




#85
 sec-Butylbenzene
 Concen: 19.087 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

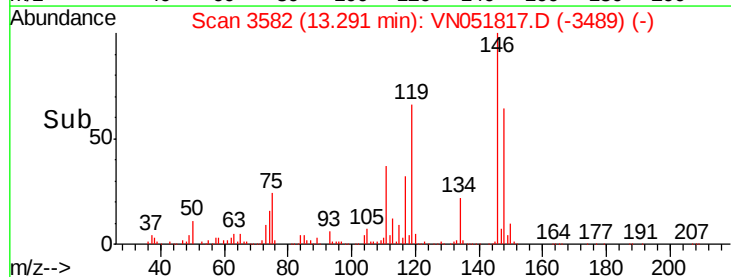
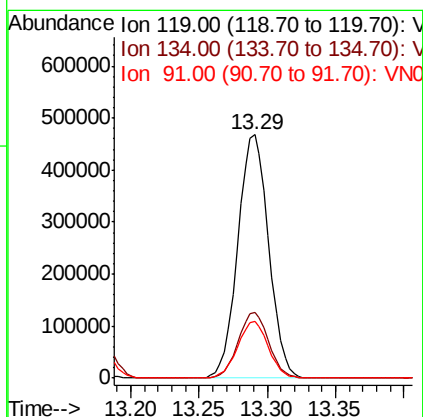
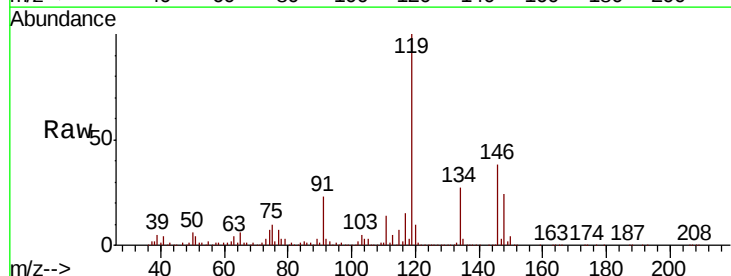
Instrument :
 MSVOA_N
 ClientSampled :

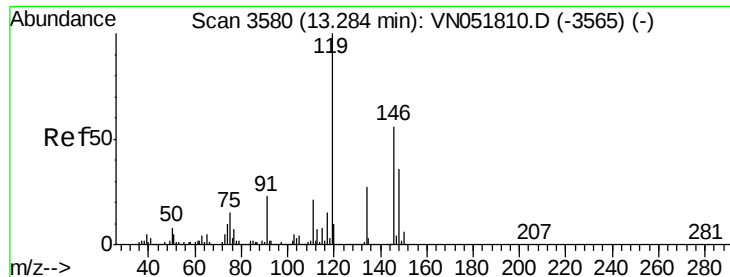
Tot Ion:105 Resp: 805801
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 19.646 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Tgt Ion:119 Resp: 729377
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.7 41.0
 91 22.8 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 18.967 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

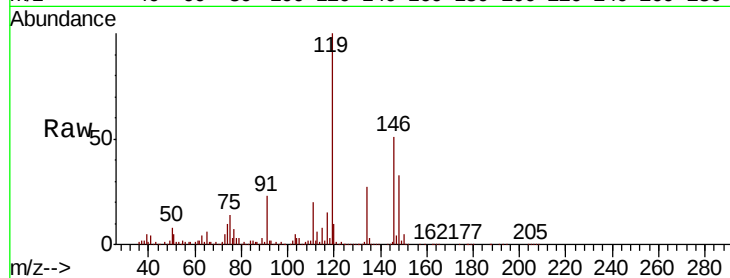
Tot Ion:146 Resp: 348749

Ion Ratio Lower Upper

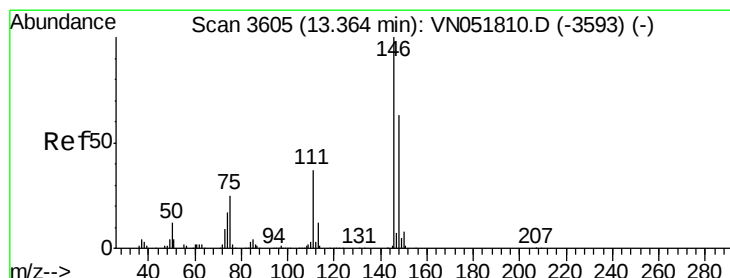
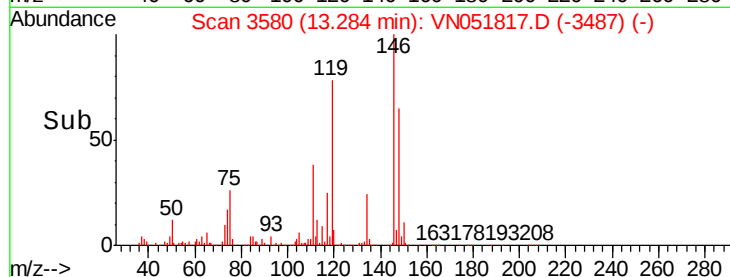
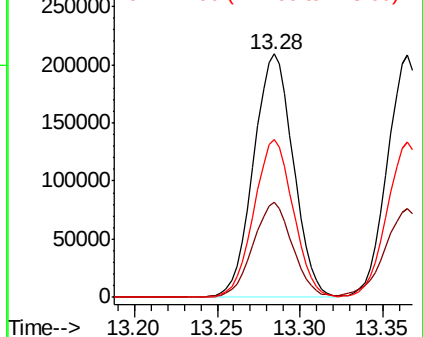
146 100

111 38.1 19.1 57.3

148 64.2 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.920 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

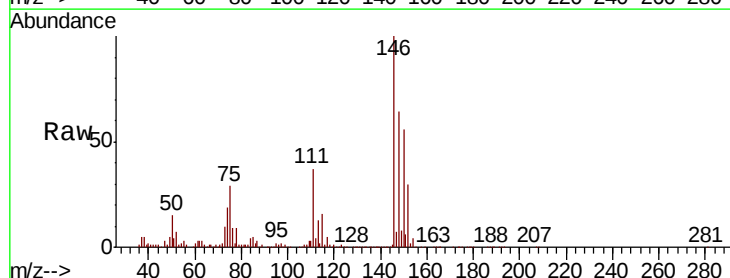
Tgt Ion:146 Resp: 337193

Ion Ratio Lower Upper

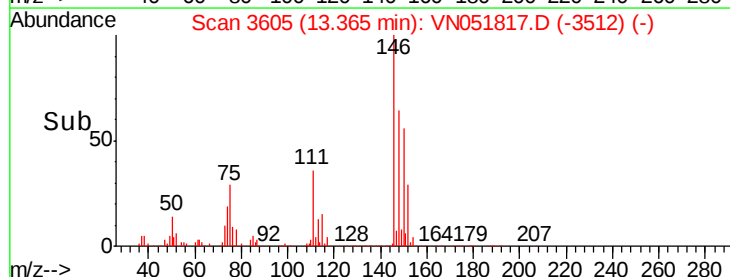
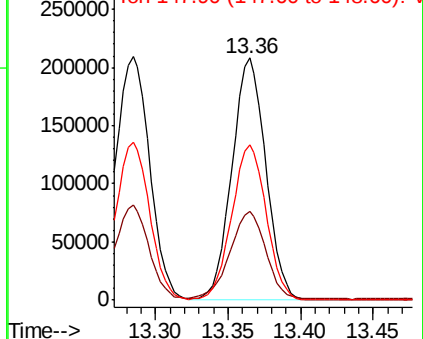
146 100

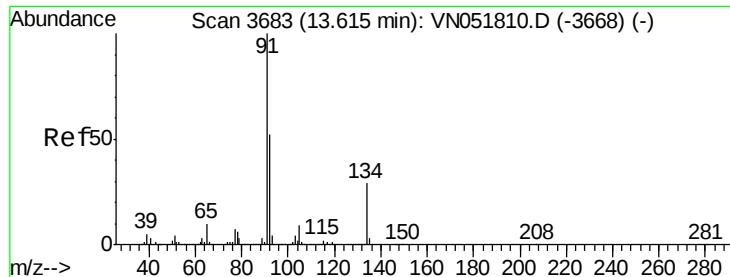
111 38.8 18.8 56.3

148 65.5 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.913 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

ClientSampled :

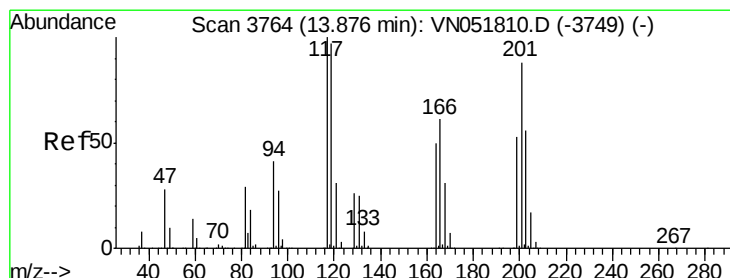
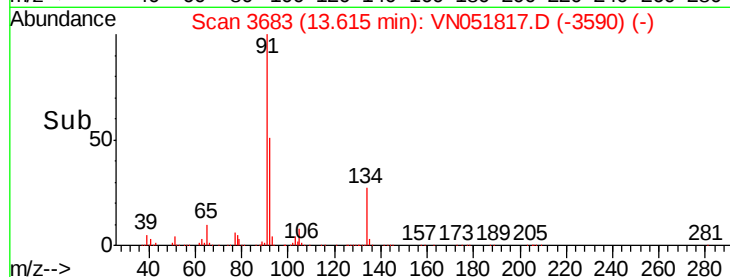
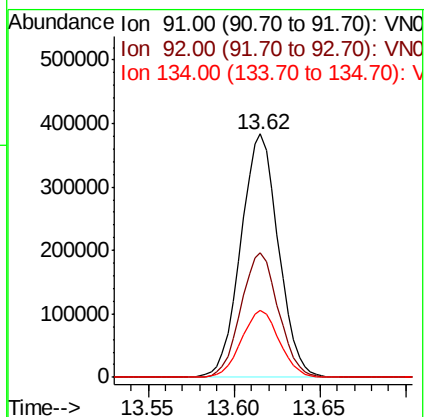
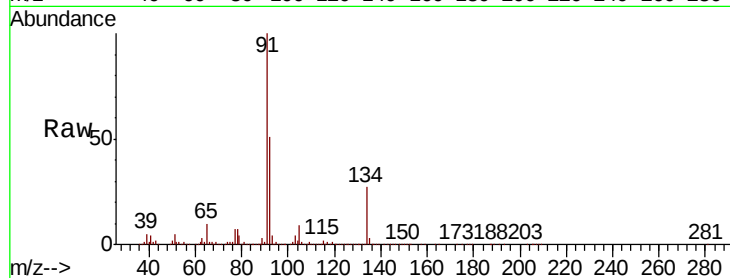
Tot Ion: 91 Resp: 577224

Ion Ratio Lower Upper

91 100

92 51.5 26.1 78.2

134 28.2 13.2 39.6



#90

Hexachloroethane

Concen: 16.680 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051817.D

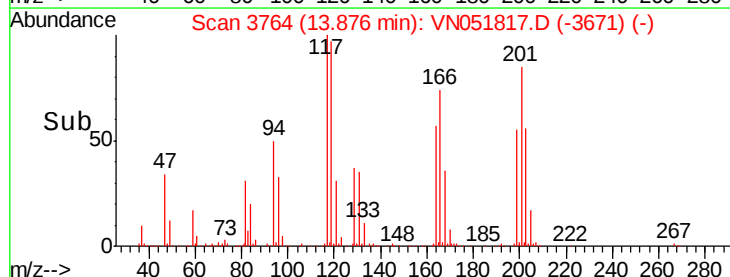
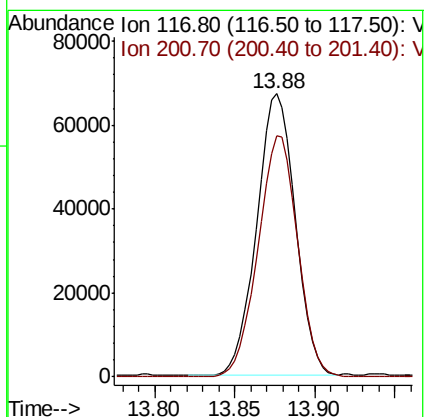
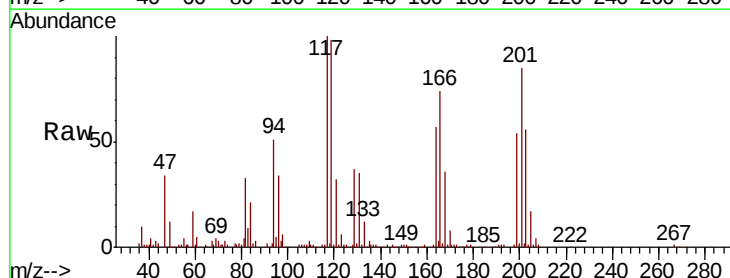
Acq: 11 Oct 2018 17:30

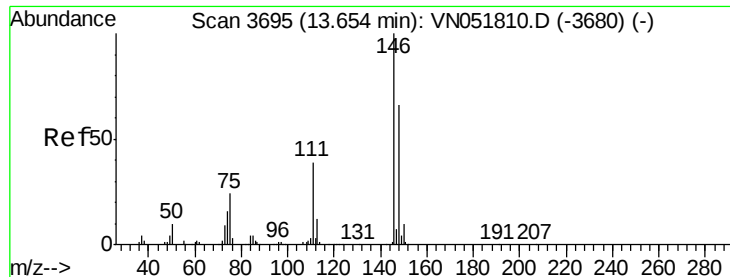
Tgt Ion: 117 Resp: 112396

Ion Ratio Lower Upper

117 100

201 87.2 46.0 137.8





#91

1,2-Dichlorobenzene

Concen: 19.498 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

ClientSampled :

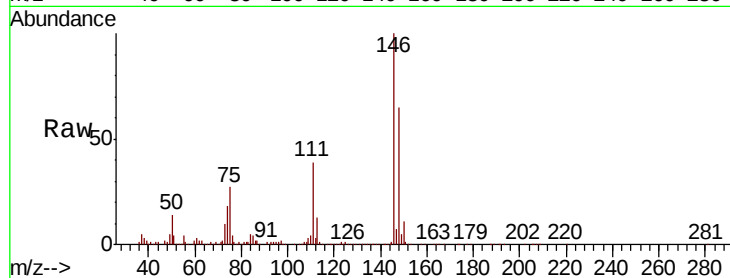
Tot Ion:146 Resp: 346428

Ion Ratio Lower Upper

146 100

111 38.6 19.8 59.3

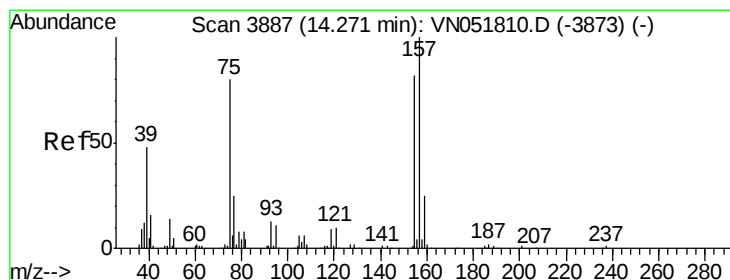
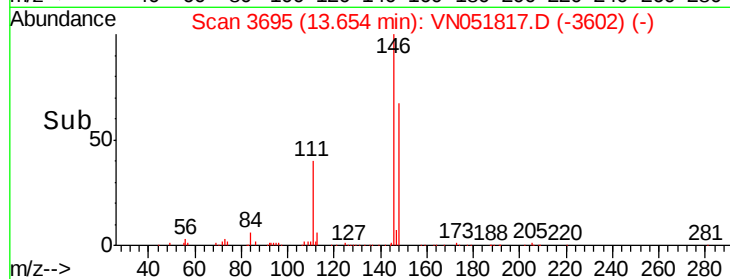
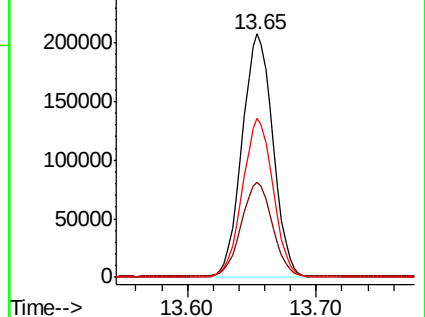
148 64.8 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.432 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

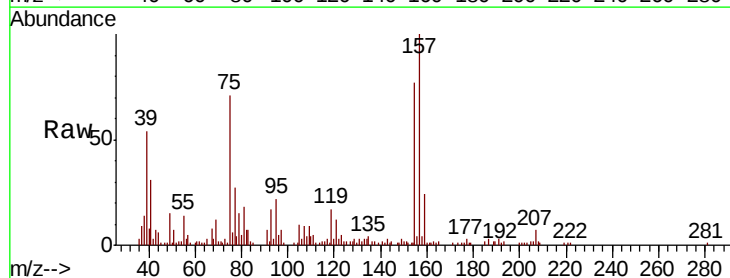
Tgt Ion: 75 Resp: 28489

Ion Ratio Lower Upper

75 100

155 105.4 46.4 139.1

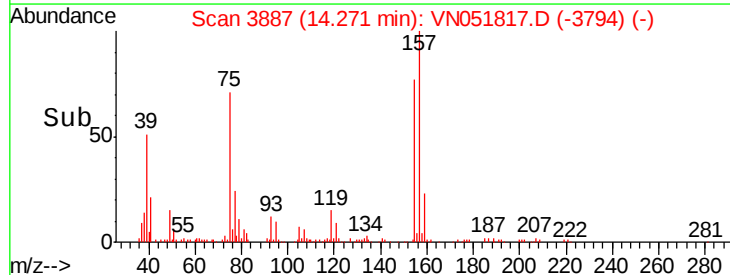
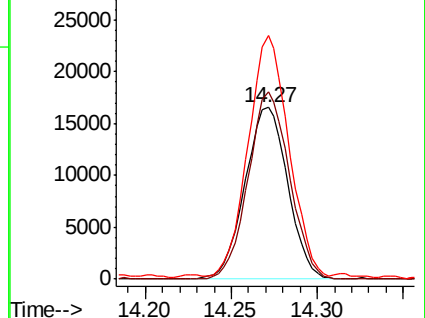
157 132.7 60.7 182.0

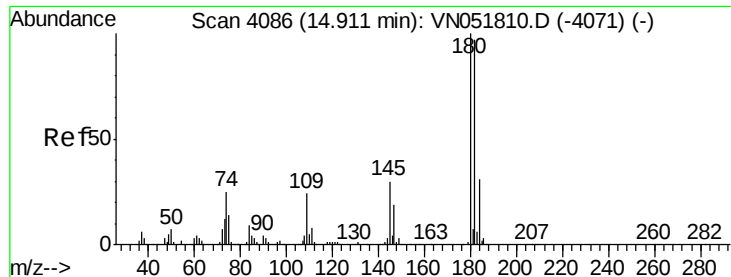


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

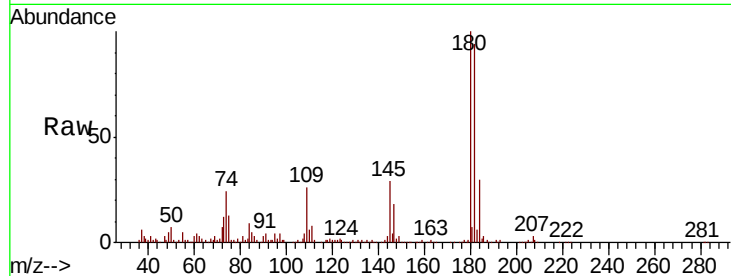




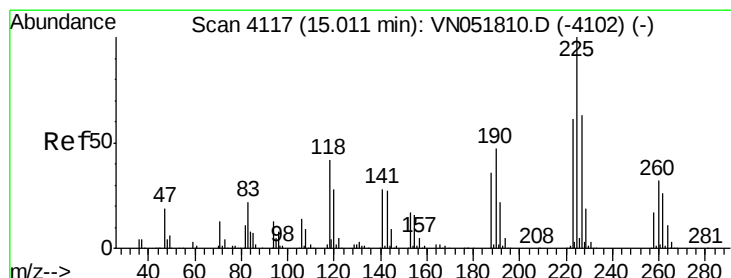
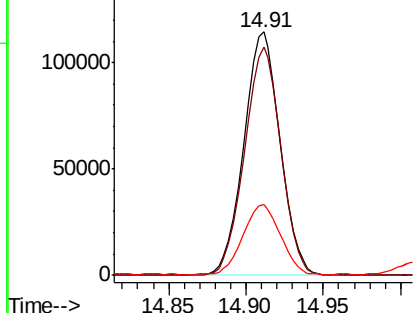
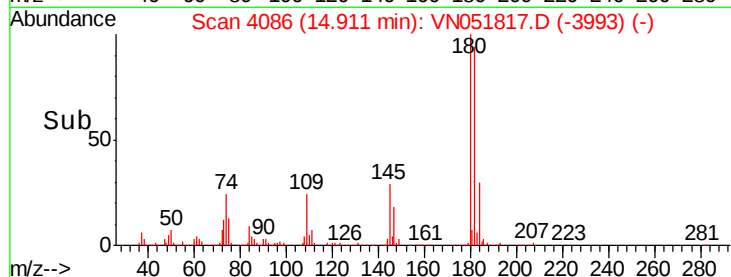
#93
 1,2,4-Trichlorobenzene
 Concen: 22.085 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.2	144.6
145	29.6	14.1	42.2

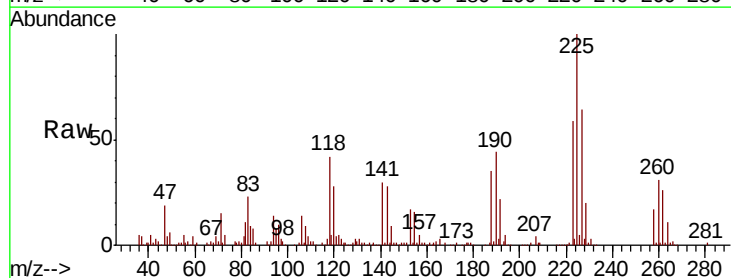


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

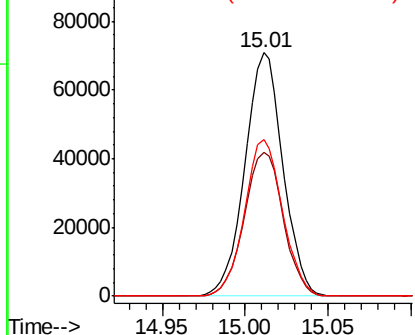
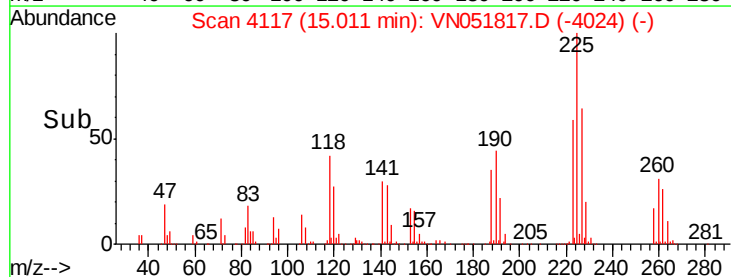


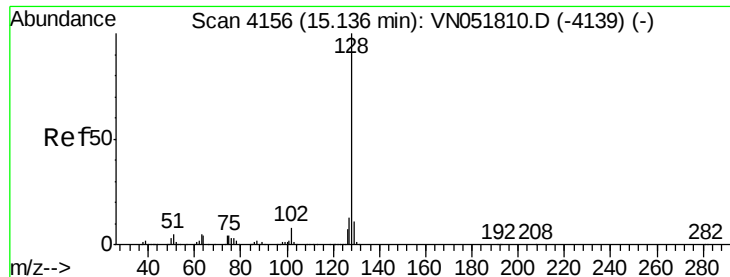
#94
 Hexachlorobutadiene
 Concen: 19.571 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	31.3	93.8
227	64.5	32.0	96.2



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: 23.516 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

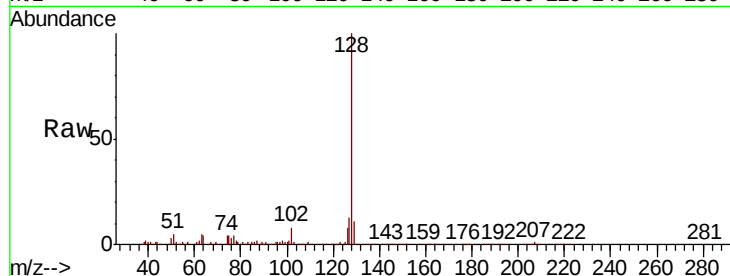
Tot Ion:128 Resp: 432171

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

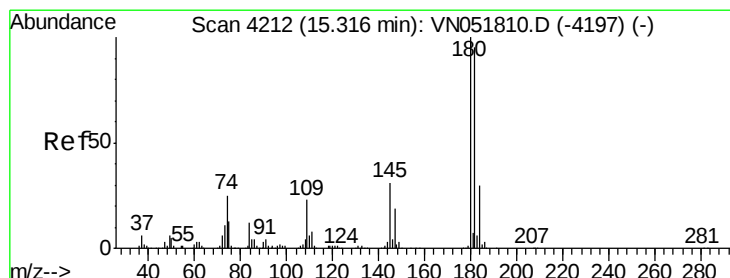
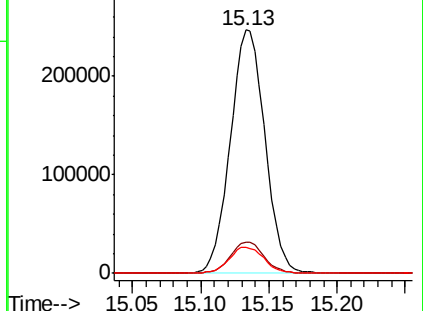
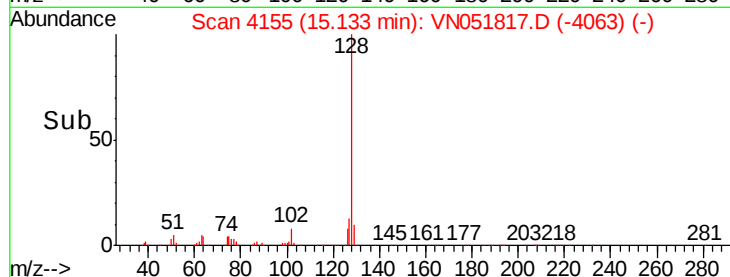
129 10.6 8.7 13.1



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: 22.501 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

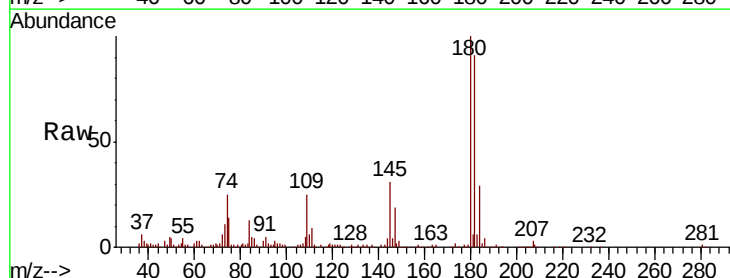
Tgt Ion:180 Resp: 189795

Ion Ratio Lower Upper

180 100

182 94.2 48.0 144.2

145 30.9 15.2 45.6



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

