

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082218\
 Data File : VN050815.D
 Acq On : 22 Aug 2018 13:24
 Operator : MD\SY
 Sample : VN0822MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBSD01

Quant Time: Aug 23 01:03:24 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	677298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	977453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	915080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	432940	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	408267	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
35) Dibromofluoromethane	7.59	113	388323	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
50) Toluene-d8	10.09	98	1481396	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.40	95	496099	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	183949	20.29	ug/l	100
3) Chloromethane	2.06	50	195816	17.52	ug/l	100
4) Vinyl Chloride	2.18	62	194461	18.36	ug/l	100
5) Bromomethane	2.56	94	114489	18.34	ug/l	99
6) Chloroethane	2.70	64	115097	18.81	ug/l	100
7) Trichlorofluoromethane	3.01	101	263060	19.40	ug/l	99
8) Diethyl Ether	3.41	74	92802	20.13	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	162329	19.16	ug/l	98
10) Methyl Iodide	3.95	142	119927	20.42	ug/l	99
11) Tert butyl alcohol	4.80	59	56841	109.47	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	150381	19.77	ug/l	98
13) Acrolein	3.61	56	27967	103.55	ug/l	98
14) Allyl chloride	4.32	41	225579	19.03	ug/l	99
15) Acrylonitrile	4.99	53	263024	99.68	ug/l	100
16) Acetone	3.82	43	184349	90.98	ug/l	100
17) Carbon Disulfide	4.05	76	440466	17.27	ug/l	99
18) Methyl Acetate	4.33	43	149109	19.37	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	401486	20.98	ug/l	100
20) Methylene Chloride	4.55	84	168114	18.29	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	156865	19.07	ug/l	97
22) Diisopropyl ether	5.96	45	485194	20.54	ug/l	98
23) Vinyl Acetate	5.90	43	1540841	101.28	ug/l	100
24) 1,1-Dichloroethane	5.85	63	294875	19.44	ug/l	99
25) 2-Butanone	6.84	43	293495	89.32	ug/l	100
26) 2,2-Dichloropropane	6.83	77	224940	18.46	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	177166	19.97	ug/l	98
28) Bromochloromethane	7.20	49	124583	19.33	ug/l	98
29) Tetrahydrofuran	7.22	42	200357	106.35	ug/l	99
30) Chloroform	7.37	83	294567	19.61	ug/l	99
31) Cyclohexane	7.66	56	262347	19.32	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	252338	19.56	ug/l	99
36) 1,1-Dichloropropene	7.80	75	225387	19.54	ug/l	98
37) Ethyl Acetate	6.93	43	135055	20.38	ug/l	98
38) Carbon Tetrachloride	7.77	117	219982	18.87	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	232349	18.62	ug/l	98
40) Benzene	8.04	78	688232	19.79	ug/l	99
41) Methacrylonitrile	7.17	41	52671	14.69	ug/l #	77
42) 1,2-Dichloroethane	8.13	62	204877	19.70	ug/l	99
43) Isopropyl Acetate	8.17	43	243189	21.35	ug/l #	90
44) Trichloroethene	8.84	130	181349	19.77	ug/l	100
45) 1,2-Dichloropropane	9.12	63	179854	19.67	ug/l	99
46) Dibromomethane	9.21	93	105723	19.68	ug/l	99
47) Bromodichloromethane	9.40	83	218307	19.40	ug/l	99
48) Methyl methacrylate	9.20	41	115597	19.91	ug/l	97
49) 1,4-Dioxane	9.20	88	32324	408.41	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	674006	99.14	ug/l	99
52) Toluene	10.16	92	425779	20.66	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	215535	19.25	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	255807	19.95	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	153380	20.06	ug/l	99
56) Ethyl methacrylate	10.43	69	184013	19.98	ug/l	99
57) 1,3-Dichloropropane	10.71	76	255119	20.21	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	393282	98.39	ug/l	100
59) 2-Hexanone	10.75	43	500789	110.65	ug/l	90
60) Dibromochloromethane	10.90	129	164006	19.15	ug/l	100
61) 1,2-Dibromoethane	11.01	107	151423	20.48	ug/l	100
64) Tetrachloroethene	10.63	164	167043	19.22	ug/l	98
65) Chlorobenzene	11.43	112	467434	19.54	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	165880	18.95	ug/l	98
67) Ethyl Benzene	11.51	91	783977	20.16	ug/l	100
68) m/p-Xylenes	11.62	106	623061	42.21	ug/l	99
69) o-Xylene	11.95	106	307751	21.69	ug/l	99
70) Styrene	11.96	104	457530	19.10	ug/l	99
71) Bromoform	12.13	173	109394	18.18	ug/l #	99
73) Isopropylbenzene	12.25	105	776364	21.66	ug/l	100
74) N-amyl acetate	12.05	43	558147	61.96	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	12.51	83	171899	19.10	ug/l	84
76) 1,2,3-Trichloropropane	12.55	75	216371	28.53	ug/l #	100
77) Bromobenzene	12.53	156	199042	20.43	ug/l	98
78) n-propylbenzene	12.59	91	871716	21.77	ug/l	100
79) 2-Chlorotoluene	12.68	91	523638	20.99	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	676267	23.38	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	43395	19.35	ug/l #	82
82) 4-Chlorotoluene	12.77	91	510040	20.71	ug/l	98
83) tert-Butylbenzene	12.99	119	536270	21.41	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	781591	26.86	ug/l	100
85) sec-Butylbenzene	13.17	105	709613	21.62	ug/l	99
86) p-Isopropyltoluene	13.29	119	620503	22.18	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	319479	19.32	ug/l	90
88) 1,4-Dichlorobenzene	13.36	146	313950	19.29	ug/l	90
89) n-Butylbenzene	13.62	91	512654	22.92	ug/l	96
90) Hexachloroethane	13.88	117	98216	18.54	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	312088	19.57	ug/l #	83
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25448	19.77	ug/l	90

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Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	149268	20.60	ug/l	94
94) Hexachlorobutadiene	15.01	225	89706	18.26	ug/l	99
95) Naphthalene	15.13	128	378116	24.90	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	145628	20.78	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

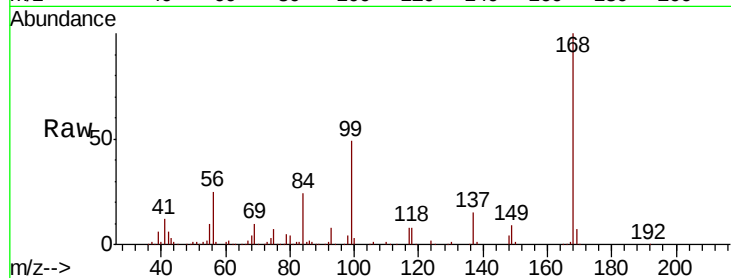
VN0822MBSD01

Tot Ion:168 Resp: 677298

Ion Ratio Lower Upper

168 100

99 49.4 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

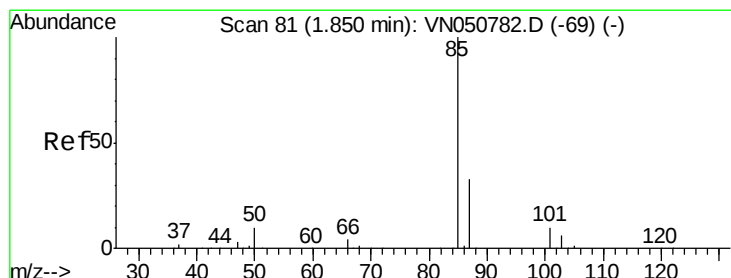
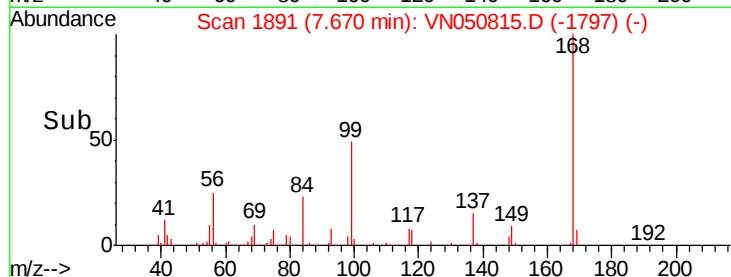
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 20.29 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050815.D

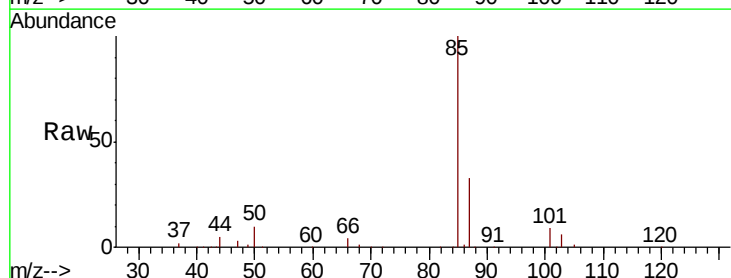
Acq: 22 Aug 2018 13:24

Tgt Ion: 85 Resp: 183949

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

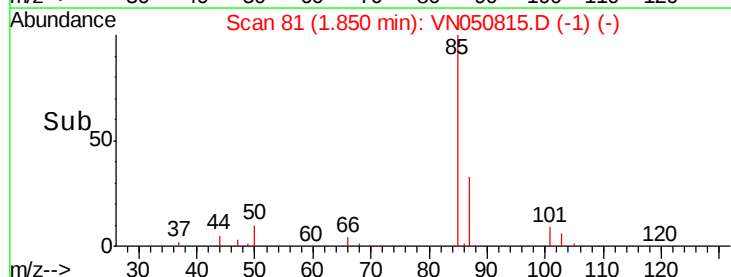
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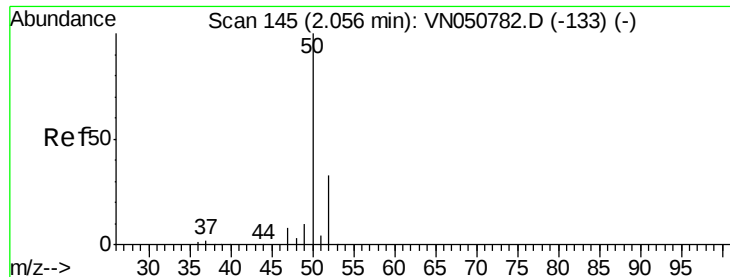
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 17.52 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

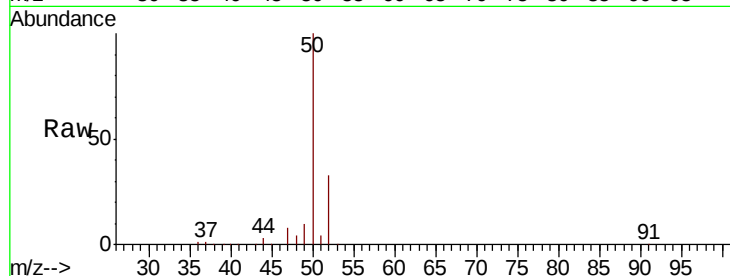
VN0822MBSD01

Tot Ion: 50 Resp: 195816

Ion Ratio Lower Upper

50 100

52 32.9 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

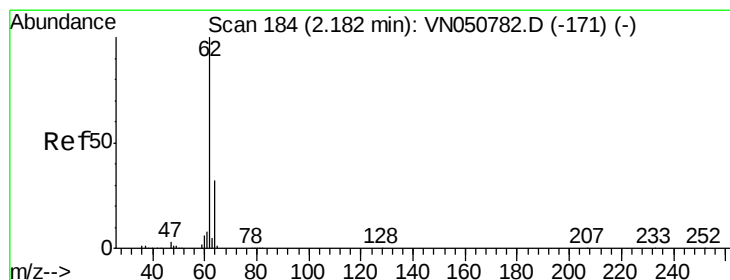
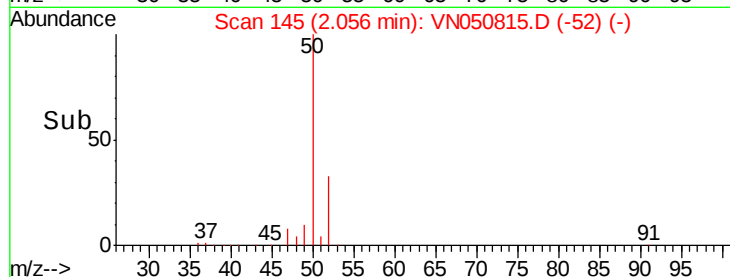
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 18.36 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050815.D

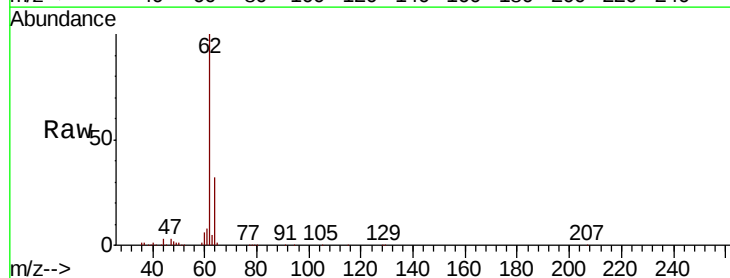
Acq: 22 Aug 2018 13:24

Tgt Ion: 62 Resp: 194461

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

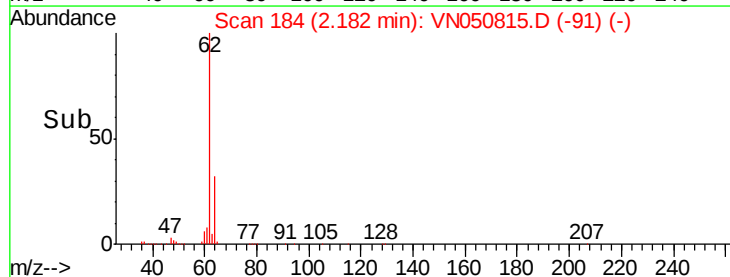
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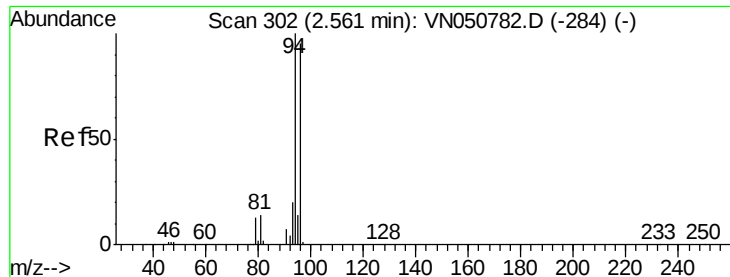
100000

50000

0

Time-->





#5

Bromomethane

Concen: 18.34 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

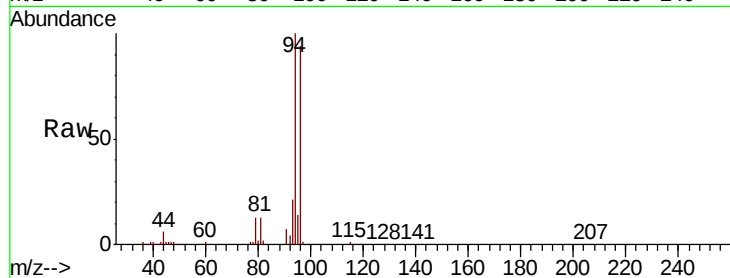
VN0822MBSD01

Tot Ion: 94 Resp: 114489

Ion Ratio Lower Upper

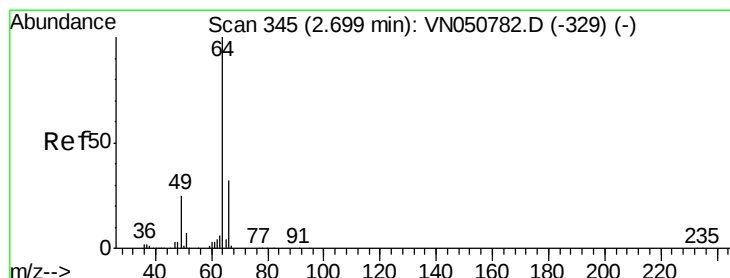
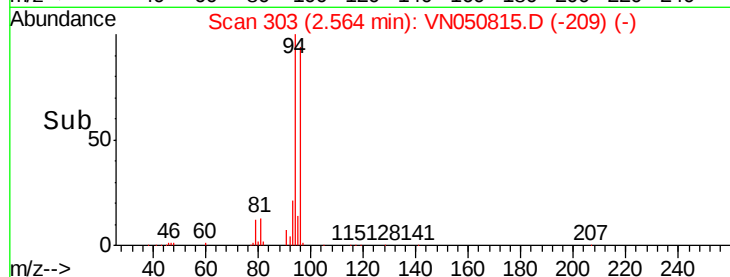
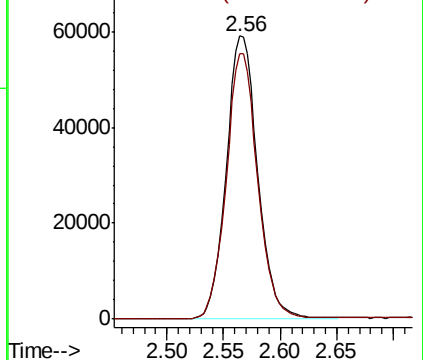
94 100

96 93.8 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.81 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050815.D

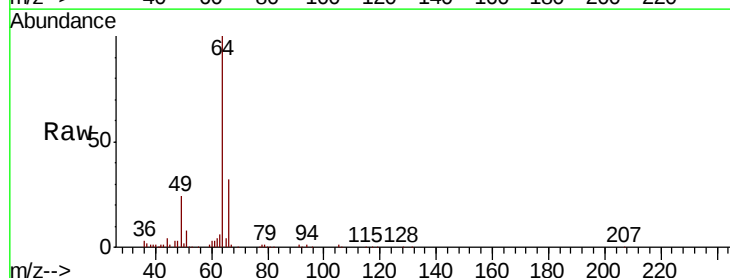
Acq: 22 Aug 2018 13:24

Tgt Ion: 64 Resp: 115097

Ion Ratio Lower Upper

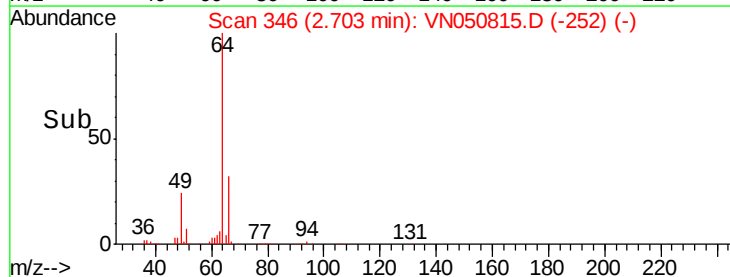
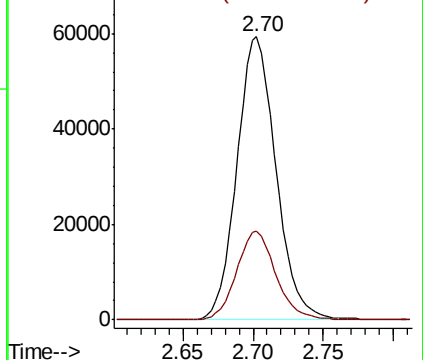
64 100

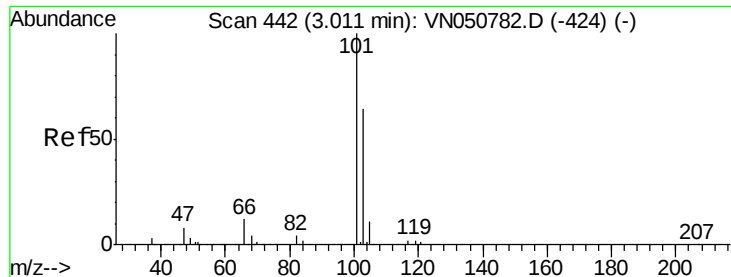
66 31.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



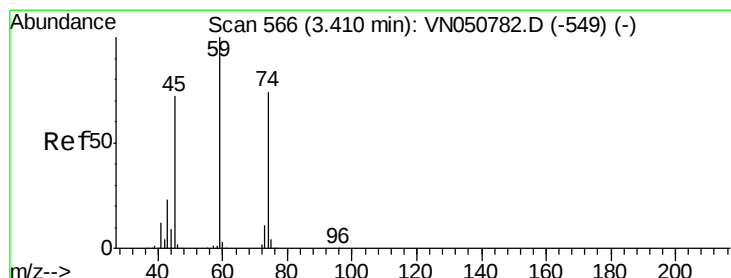
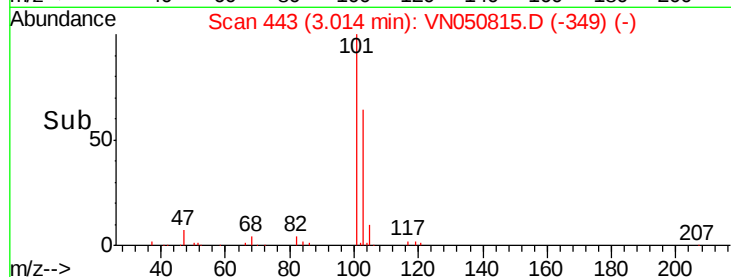
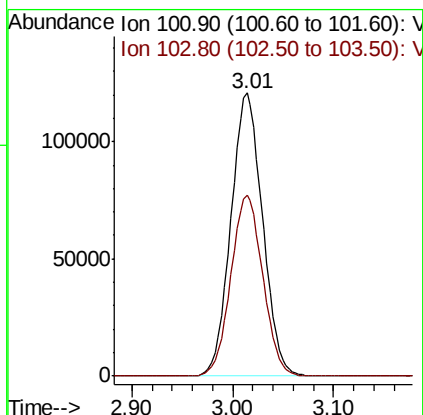
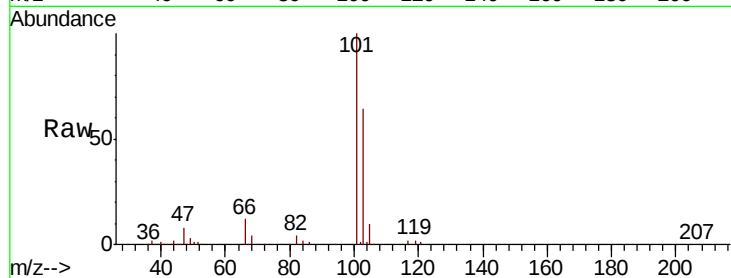


#7

Trichlorofluoromethane
 Concen: 19.40 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
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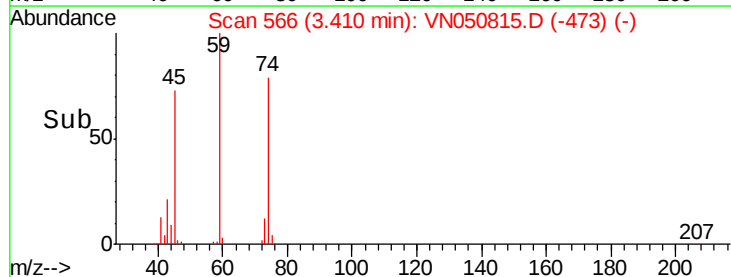
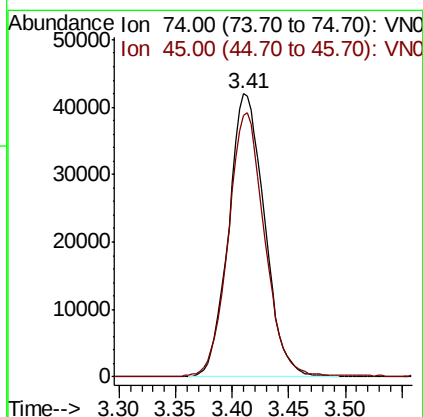
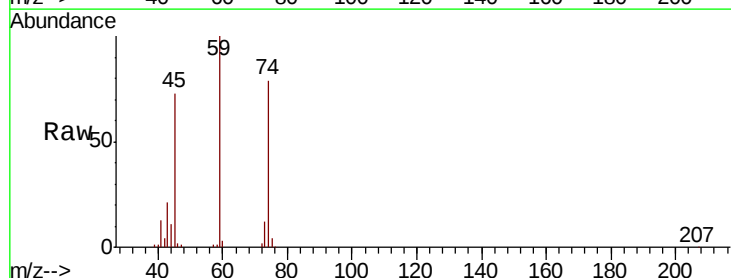
Tot Ion:101 Resp: 263060
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.6 77.4



#8

Diethyl Ether
 Concen: 20.13 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Tgt Ion: 74 Resp: 92802
 Ion Ratio Lower Upper
 74 100
 45 94.7 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.16 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBSD01

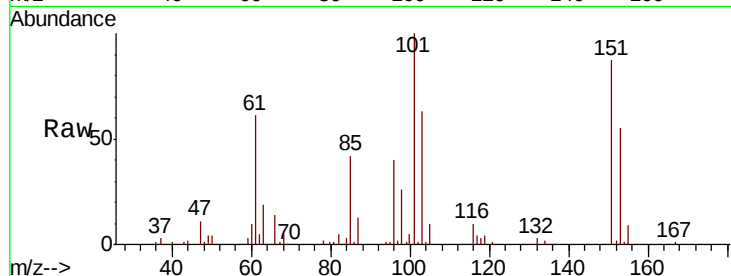
Tot Ion:101 Resp: 162329

Ion Ratio Lower Upper

101 100

85 41.4 33.7 50.5

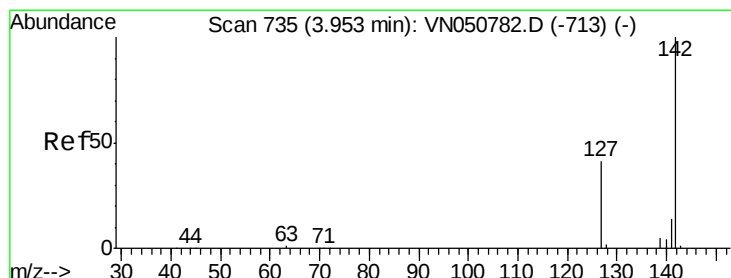
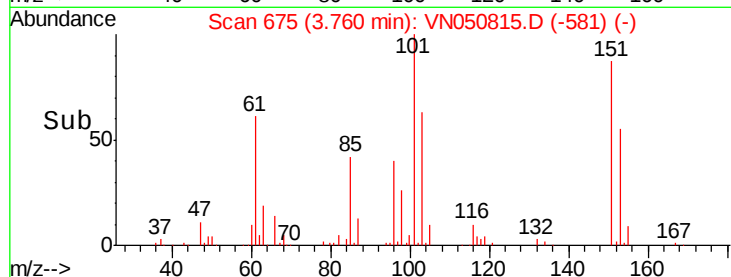
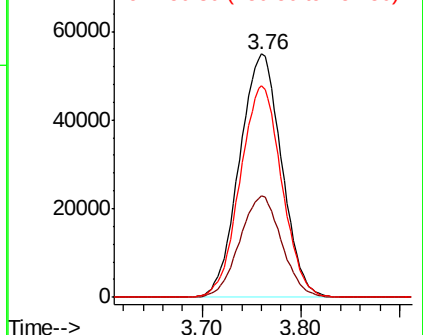
151 85.9 67.4 101.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.42 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

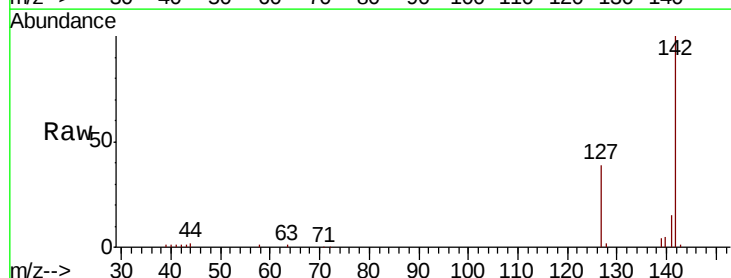
Tgt Ion:142 Resp: 119927

Ion Ratio Lower Upper

142 100

127 39.0 31.7 47.5

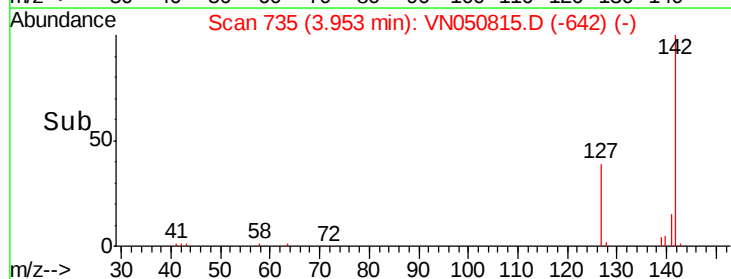
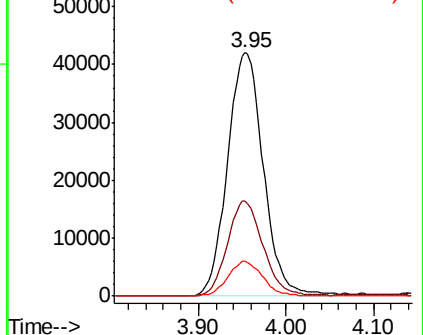
141 13.8 11.4 17.0

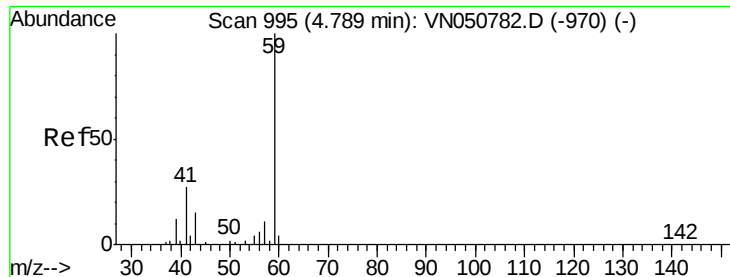


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



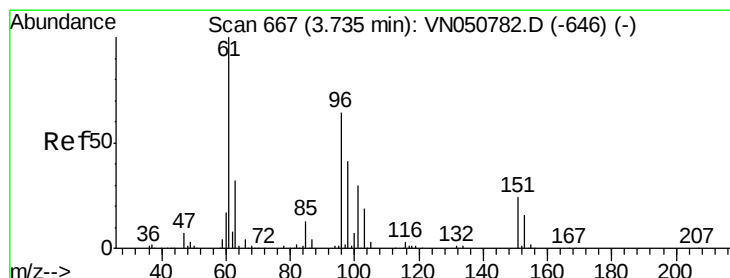
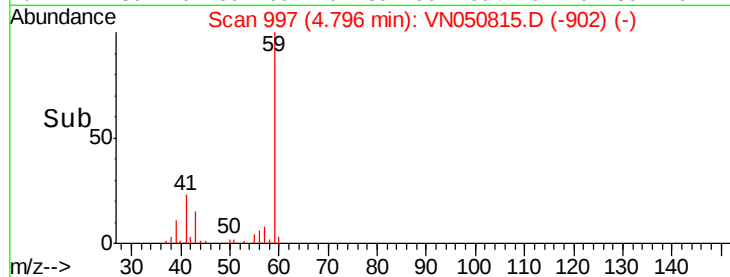
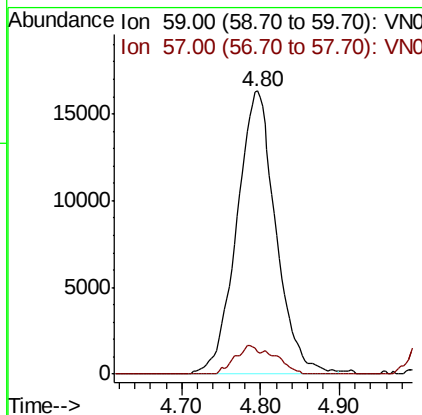
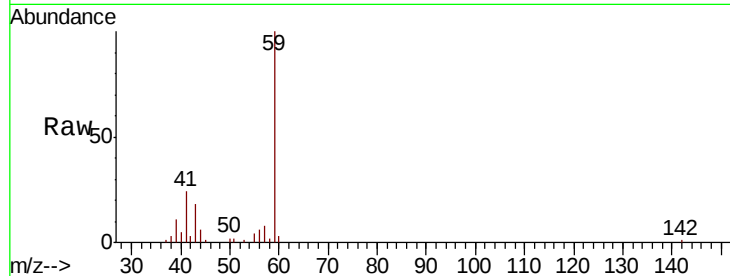


#11

Tert butyl alcohol
 Concen: 109.47 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. 0.01 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBSD01

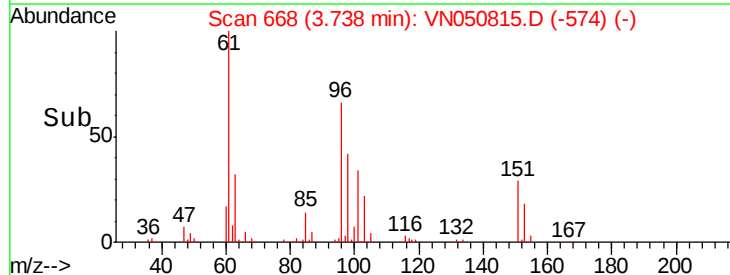
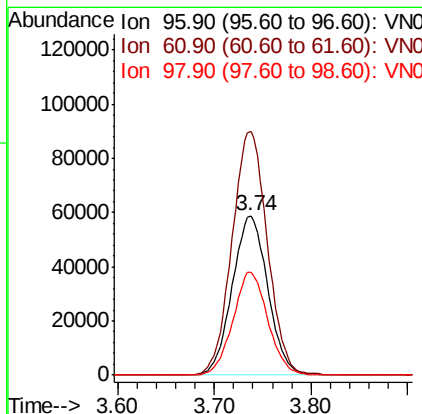
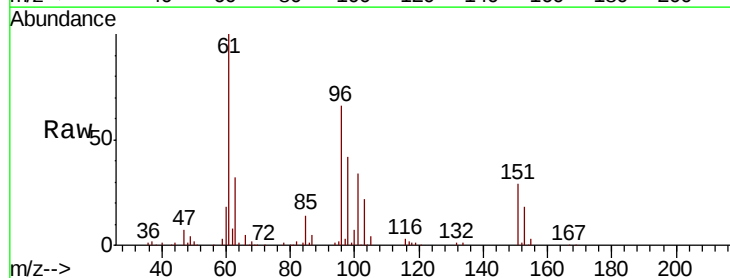
Tot Ion: 59 Resp: 56841
 Ion Ratio Lower Upper
 59 100
 57 5.9 8.3 12.5#



#12

1,1-Dichloroethene
 Concen: 19.77 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Tgt Ion: 96 Resp: 150381
 Ion Ratio Lower Upper
 96 100
 61 152.5 124.9 187.3
 98 64.2 51.1 76.7





#13

Acrolein

Concen: 103.55 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

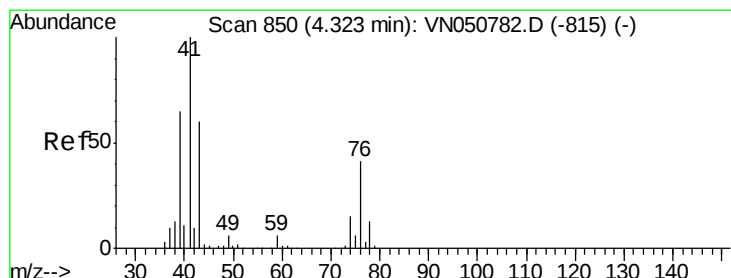
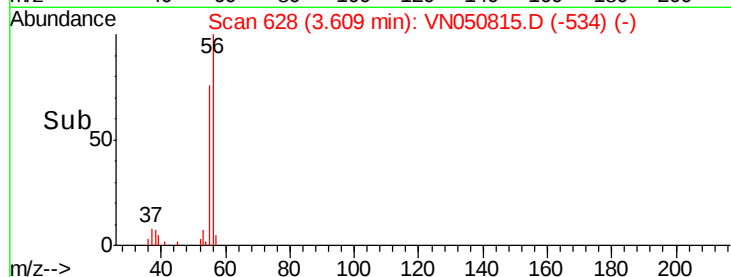
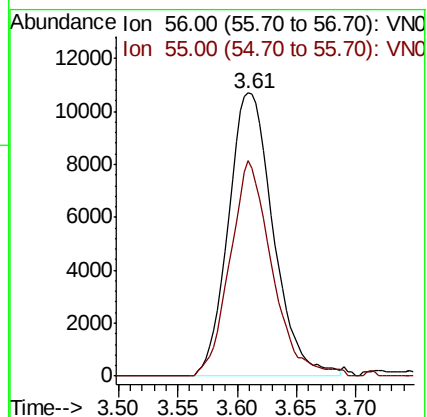
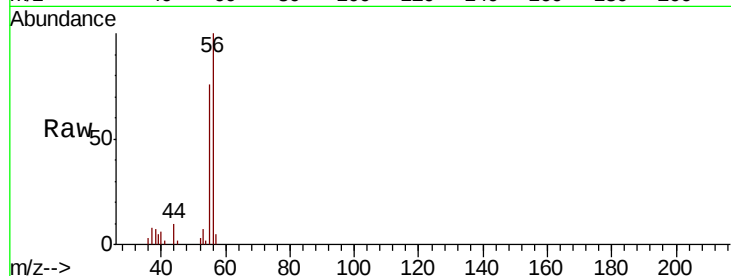
VN0822MBSD01

Tot Ion: 56 Resp: 27967

Ion Ratio Lower Upper

56 100

55 70.5 57.7 86.5



#14

Allyl chloride

Concen: 19.03 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

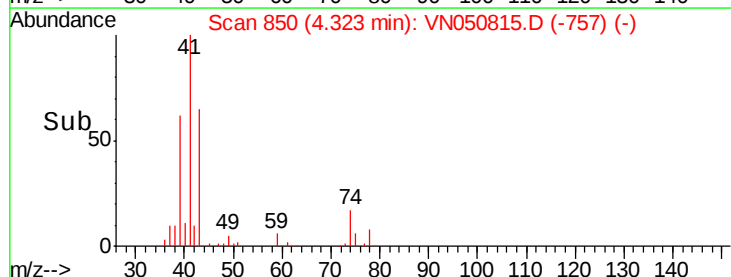
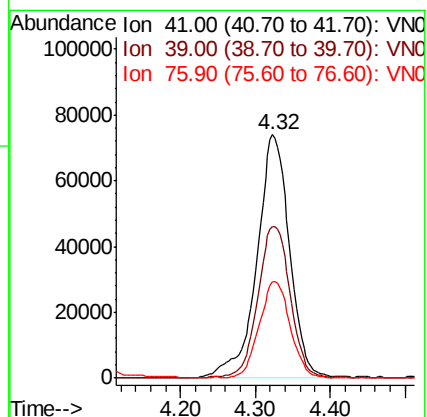
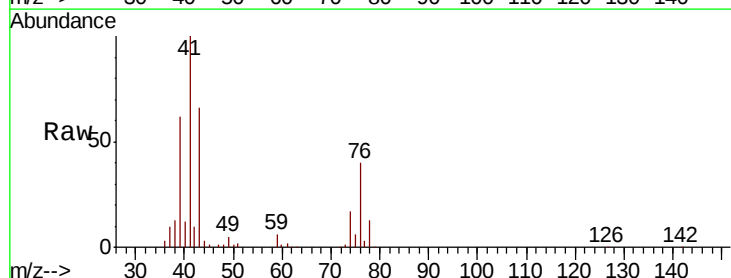
Tgt Ion: 41 Resp: 225579

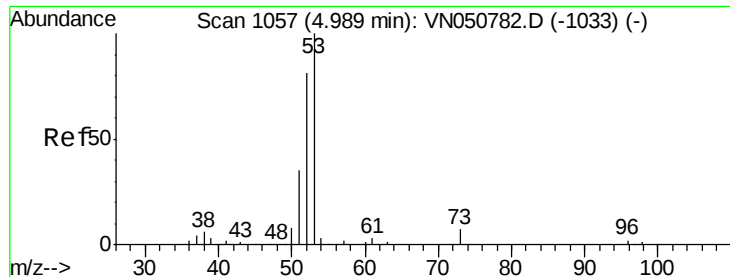
Ion Ratio Lower Upper

41 100

39 61.8 50.2 75.2

76 37.5 29.8 44.8

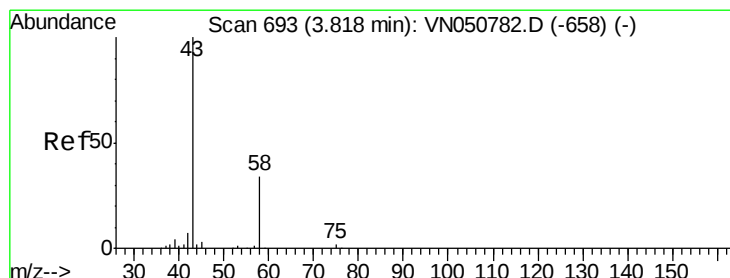
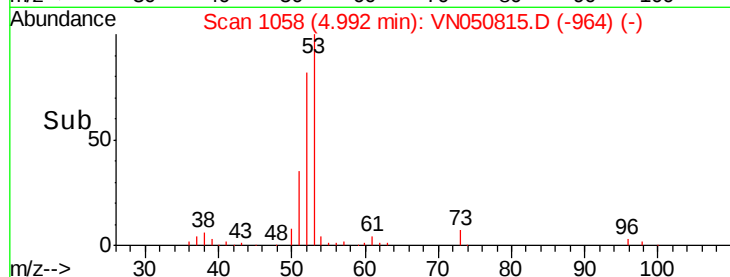
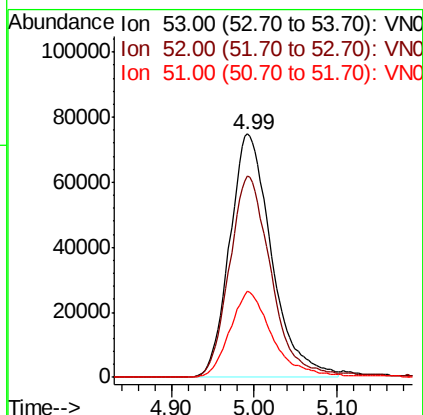
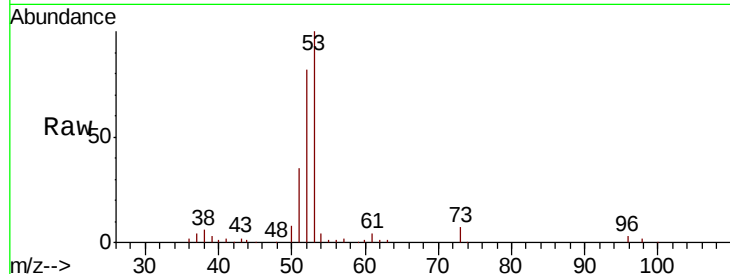




#15
 Acrylonitrile
 Concen: 99.68 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

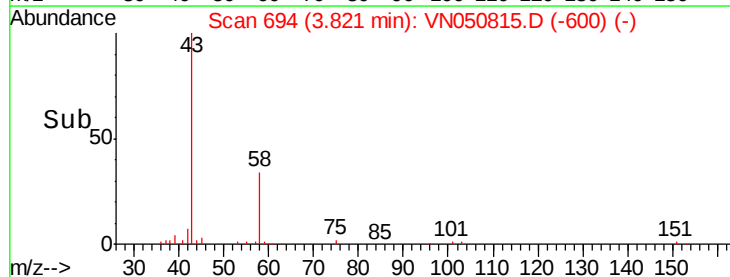
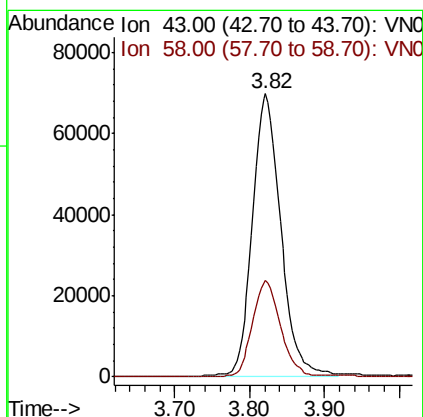
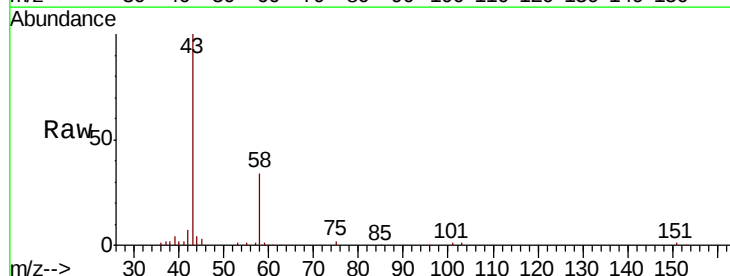
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0822MBSD01

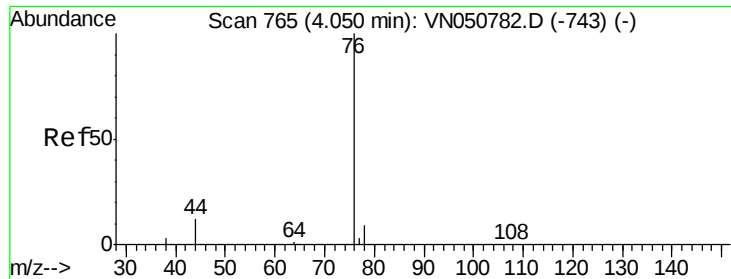
Tot Ion	53	Resp	263024
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.9	98.9
51	35.9	28.6	43.0



#16
 Acetone
 Concen: 90.98 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Tgt Ion	43	Resp	184349
Ion	Ratio	Lower	Upper
43	100		
58	34.0	27.2	40.8

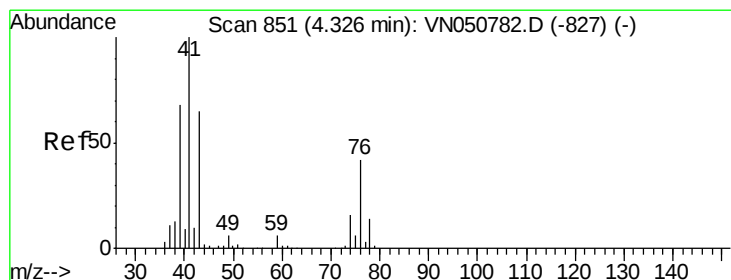
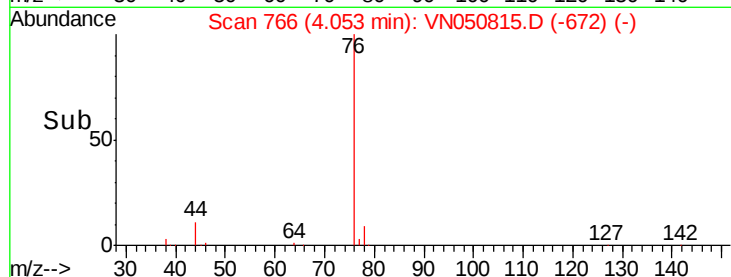
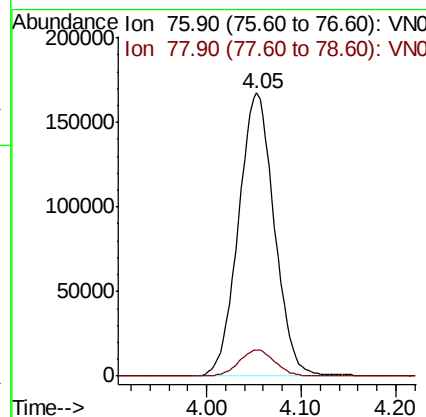
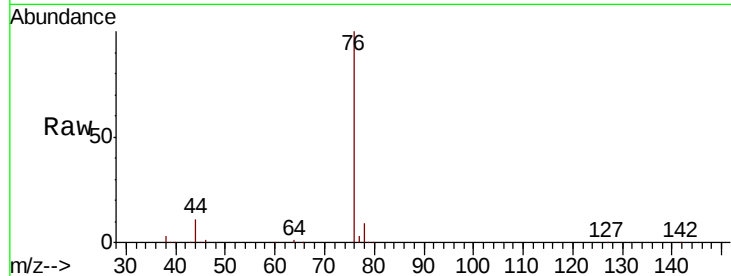




#17
Carbon Disulfide
Concen: 17.27 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

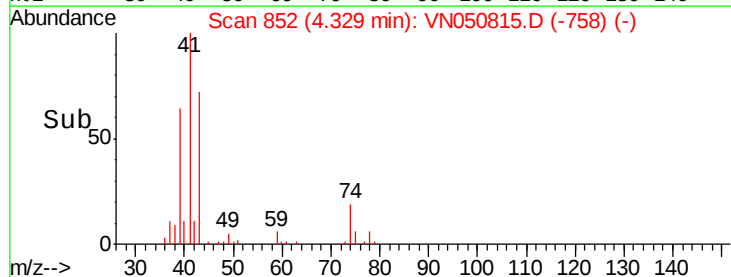
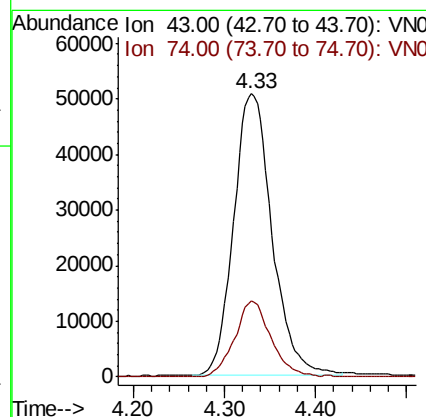
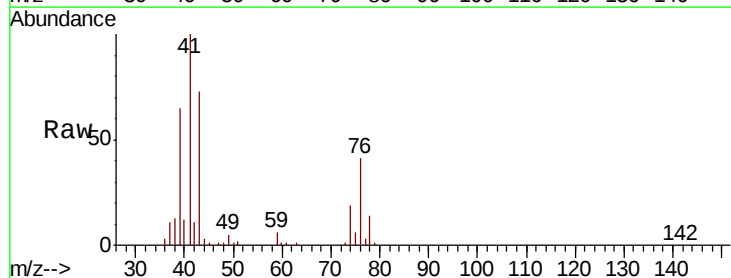
Instrument :
MSVOA_N
ClientSampleId :
VN0822MBSD01

Tot Ion: 76 Resp: 440466
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9



#18
Methyl Acetate
Concen: 19.37 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion: 43 Resp: 149109
Ion Ratio Lower Upper
43 100
74 25.4 19.8 29.8

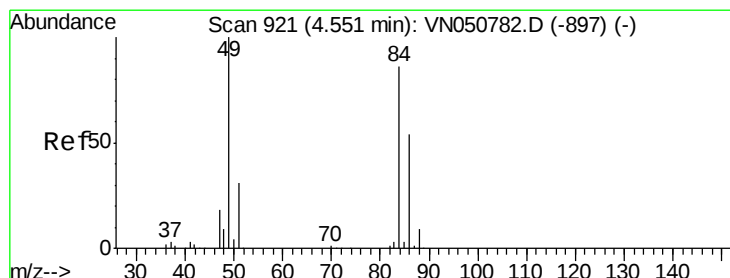
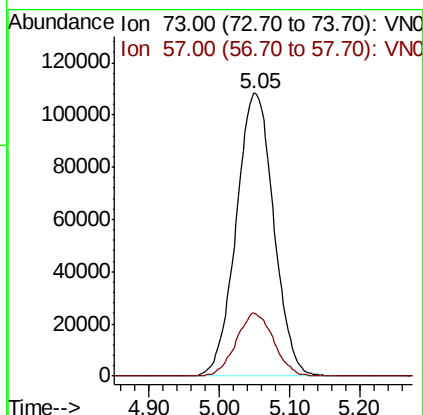
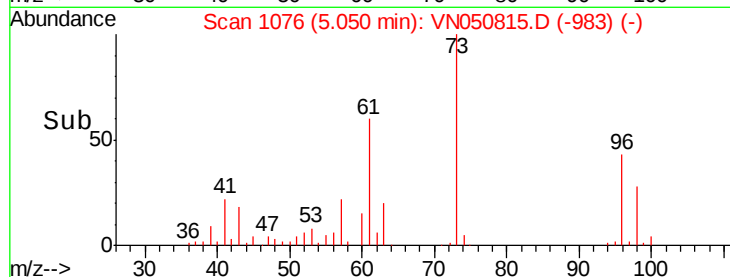
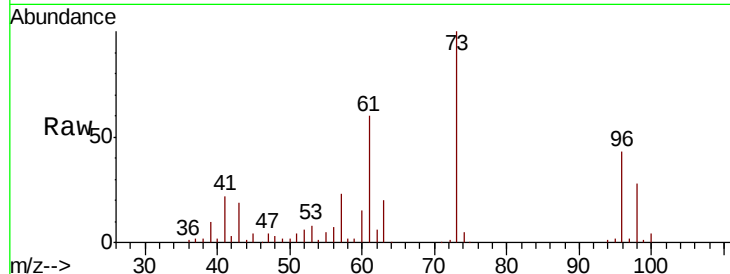




#19
Methvl tert-butvl Ether
Concen: 20.98 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

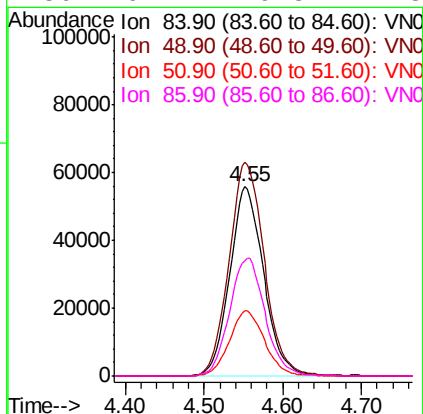
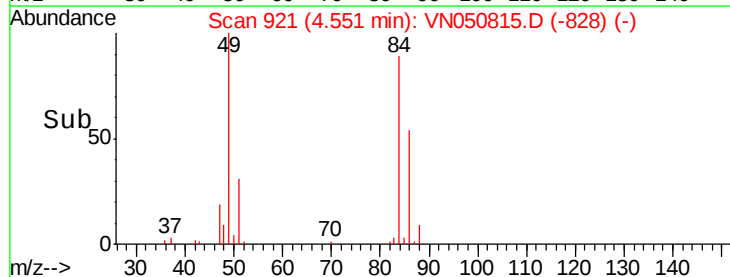
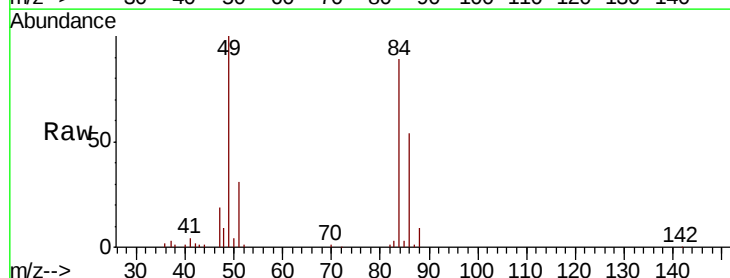
Instrument :
MSVOA_N
ClientSampleId :
VN0822MBSD01

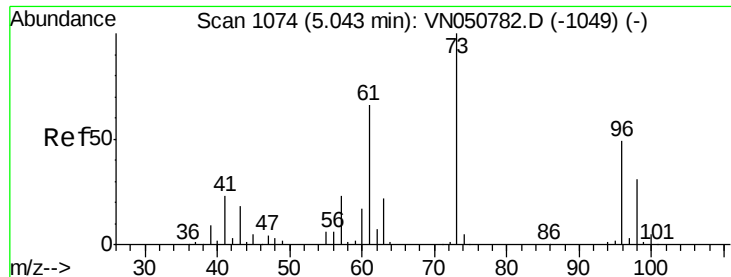
Tot Ion: 73 Resp: 401486
Ion Ratio Lower Upper
73 100
57 22.5 17.8 26.8



#20
Methylene Chloride
Concen: 18.29 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion: 84 Resp: 168114
Ion Ratio Lower Upper
84 100
49 112.8 93.2 139.8
51 34.5 29.0 43.6
86 61.1 49.8 74.8

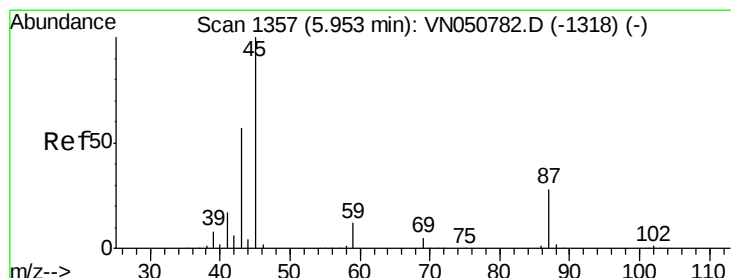
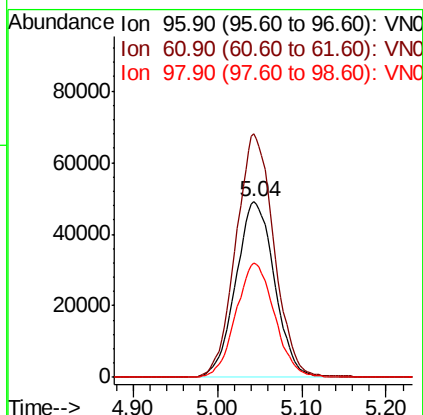
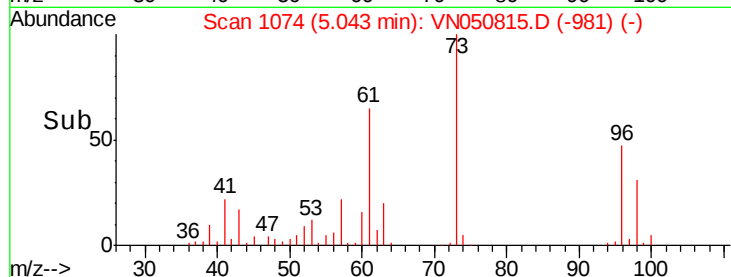
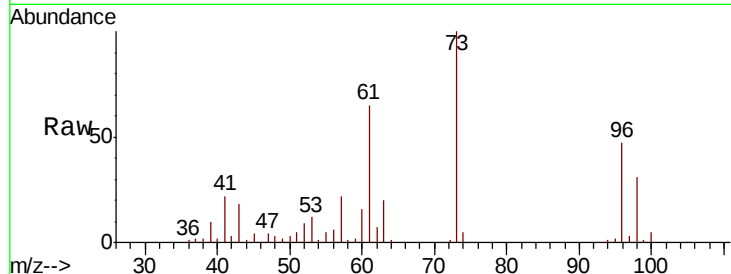




#21
trans-1,2-Dichloroethene
Concen: 19.07 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

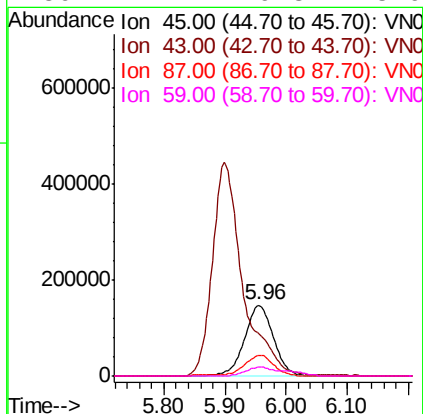
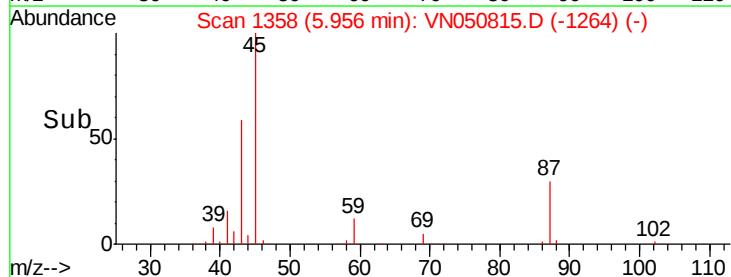
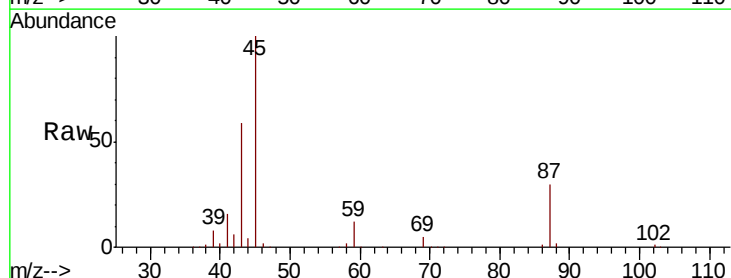
Instrument :
MSVOA_N
ClientSampleId :
VN0822MBSD01

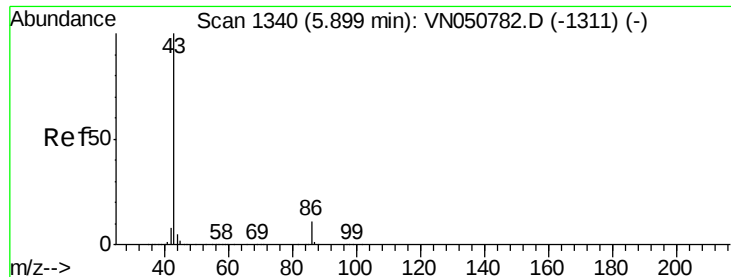
Tot Ion: 96 Resp: 156865
Ion Ratio Lower Upper
96 100
61 138.6 107.4 161.0
98 65.0 50.7 76.1



#22
Diisopropyl ether
Concen: 20.54 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion: 45 Resp: 485194
Ion Ratio Lower Upper
45 100
43 58.3 45.9 68.9
87 29.5 22.7 34.1
59 12.1 9.3 13.9





#23

Vinyl Acetate

Concen: 101.28 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

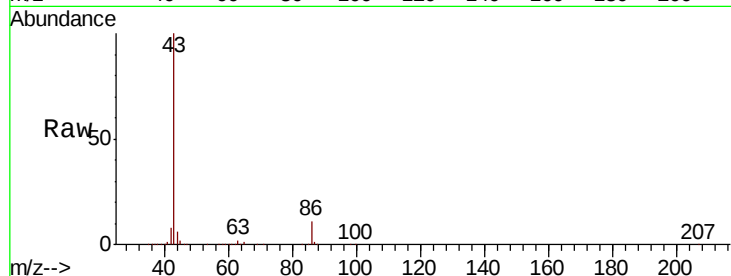
VN0822MBSD01

Tot Ion: 43 Resp: 1540841

Ion Ratio Lower Upper

43 100

86 10.9 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

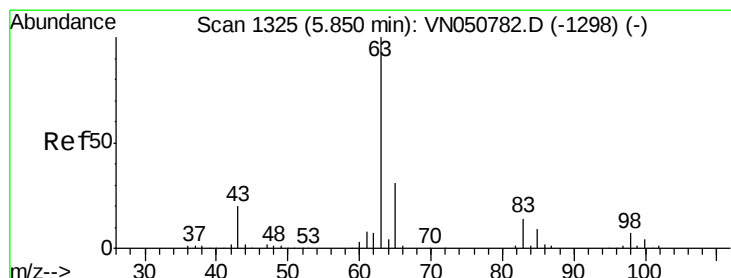
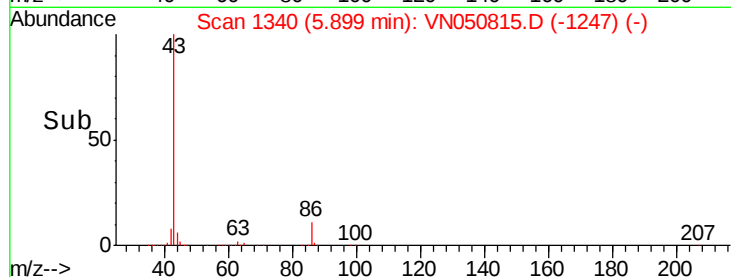
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.44 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

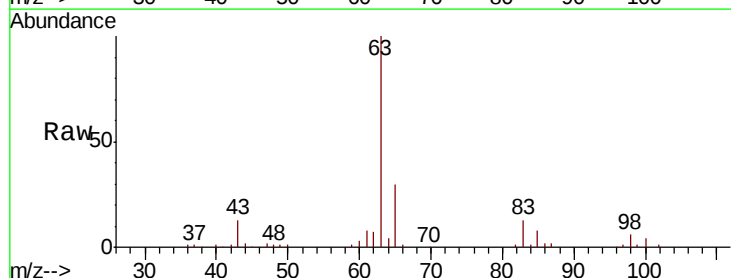
Tgt Ion: 63 Resp: 294875

Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.8

100 4.5 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

120000

100000

80000

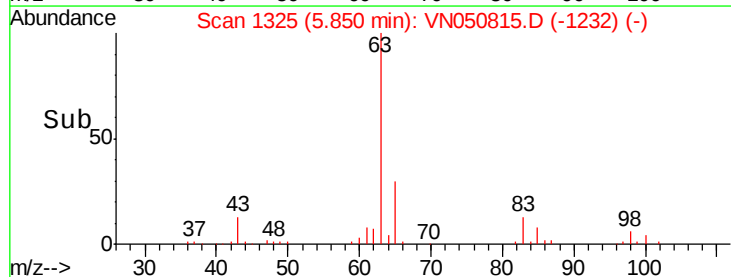
60000

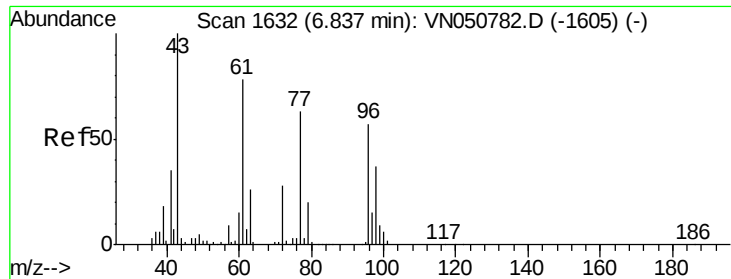
40000

20000

0

Time--> 5.70 5.80 5.90 6.00

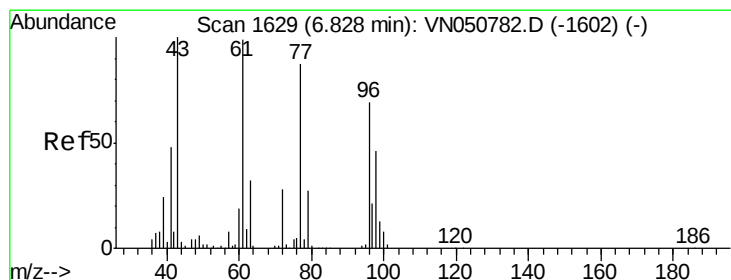
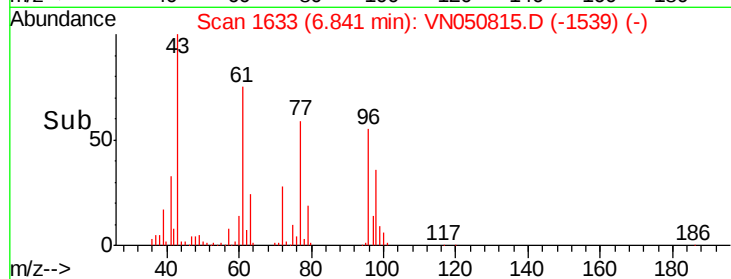
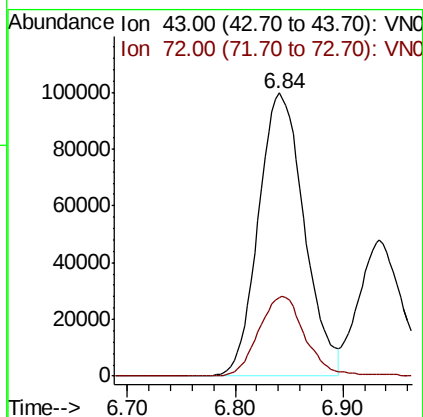
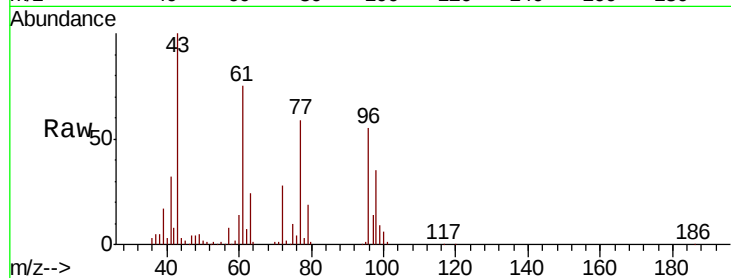




#25
 2-Butanone
 Concen: 89.32 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

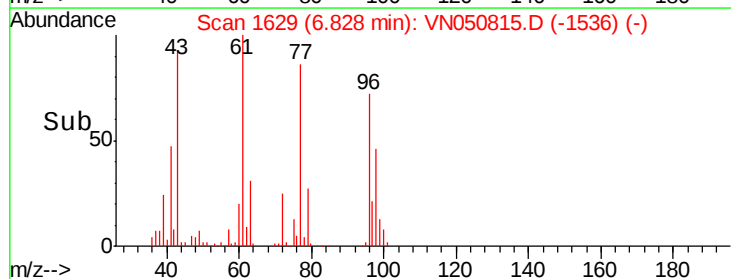
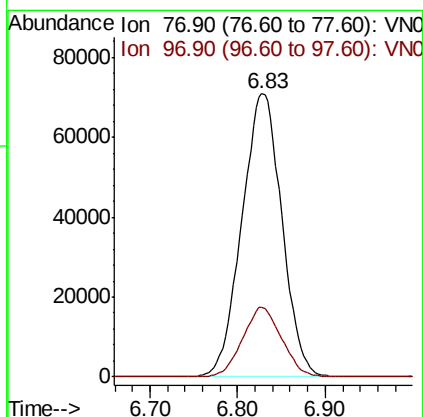
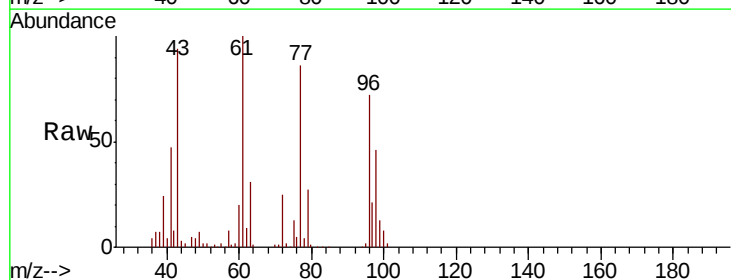
Instrument :
 MSVOA_N
 ClientSampled :
 VN0822MBSD01

Tot Ion: 43 Resp: 293495
 Ion Ratio Lower Upper
 43 100
 72 27.8 22.3 33.5



#26
 2,2-Dichloropropane
 Concen: 18.46 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Tgt Ion: 77 Resp: 224940
 Ion Ratio Lower Upper
 77 100
 97 24.0 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 19.97 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBSD01

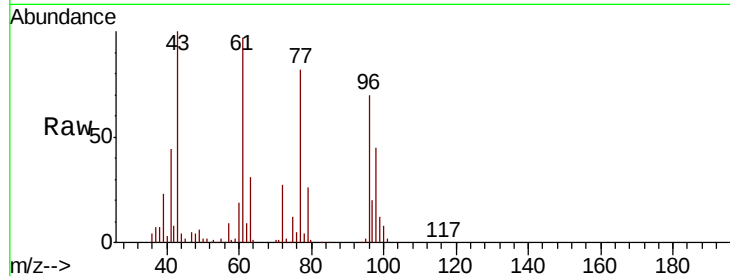
Tot Ion: 96 Resp: 177166

Ion Ratio Lower Upper

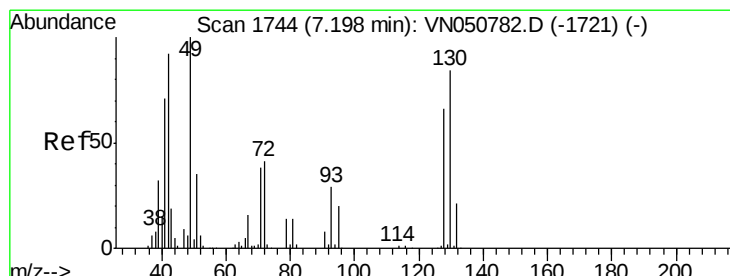
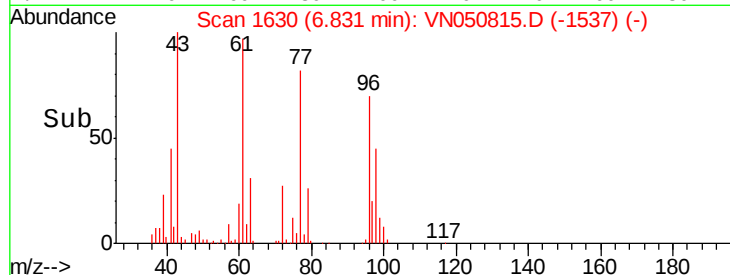
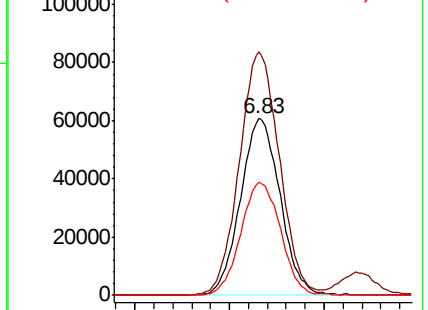
96 100

61 139.1 0.0 283.4

98 64.4 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: 19.33 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

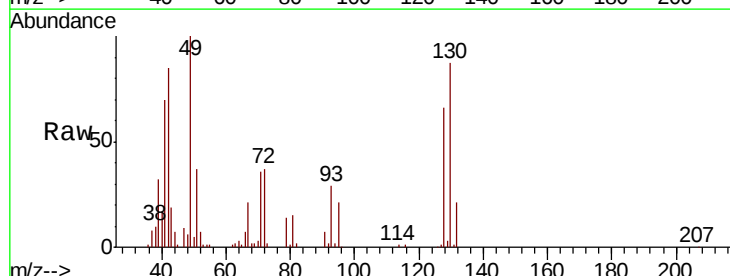
Tgt Ion: 49 Resp: 124583

Ion Ratio Lower Upper

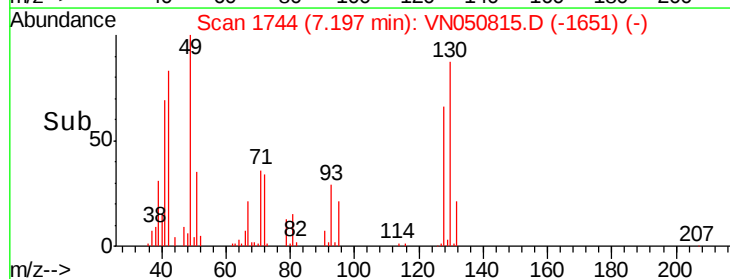
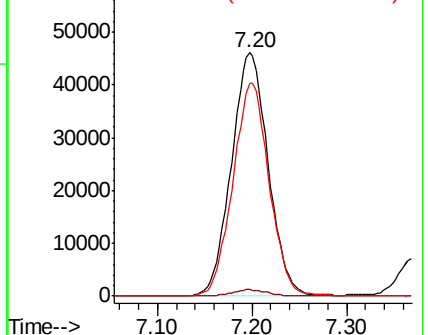
49 100

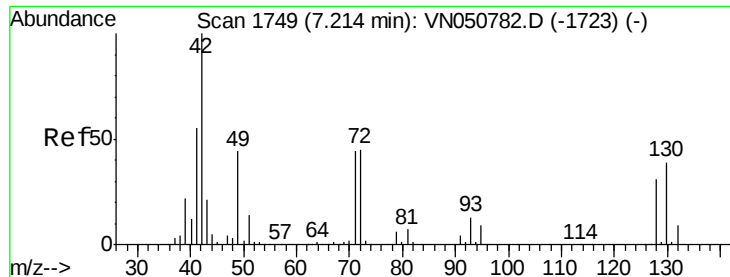
129 2.4 0.0 4.2

130 86.1 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: 106.35 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBSD01

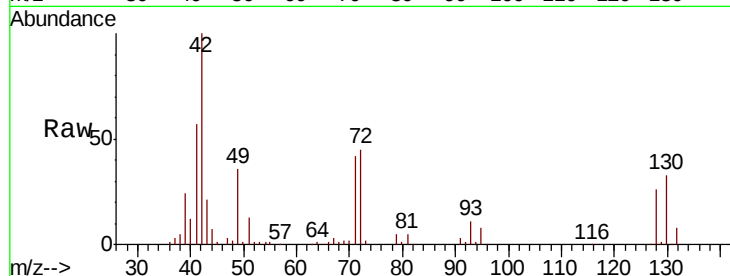
Tot Ion: 42 Resp: 200357

Ion Ratio Lower Upper

42 100

72 44.9 35.5 53.3

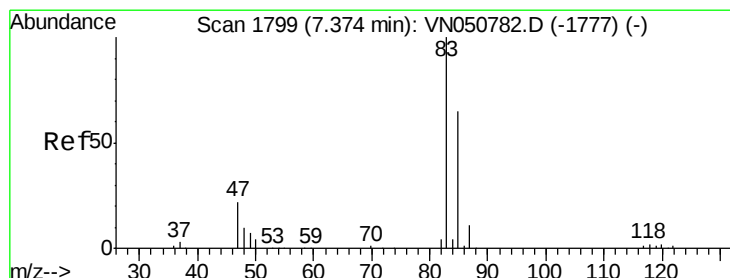
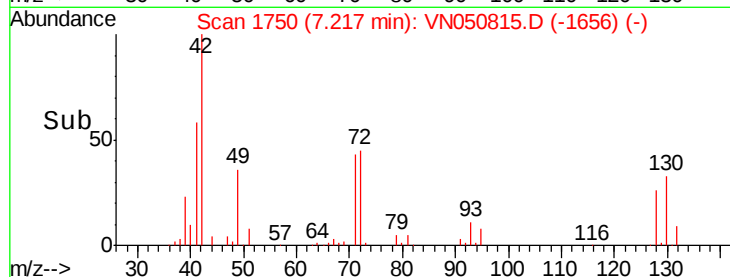
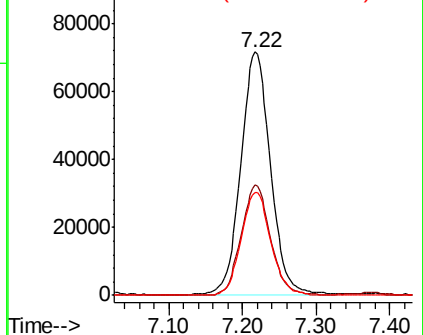
71 42.5 33.7 50.5



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.61 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN050815.D

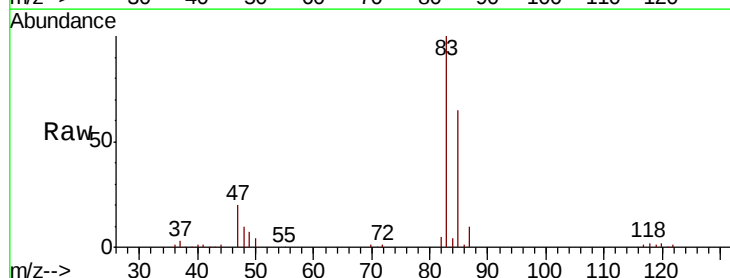
Acq: 22 Aug 2018 13:24

Tgt Ion: 83 Resp: 294567

Ion Ratio Lower Upper

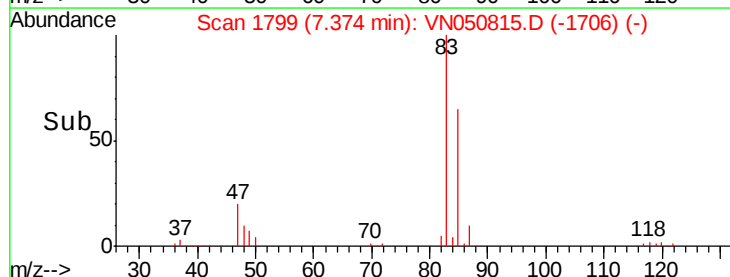
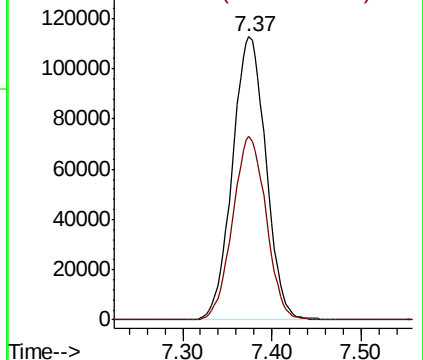
83 100

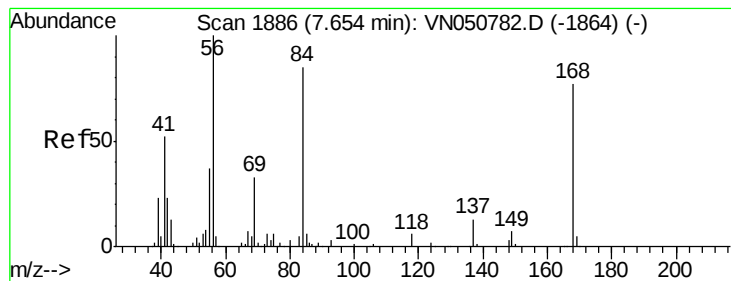
85 64.7 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.32 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBSD01

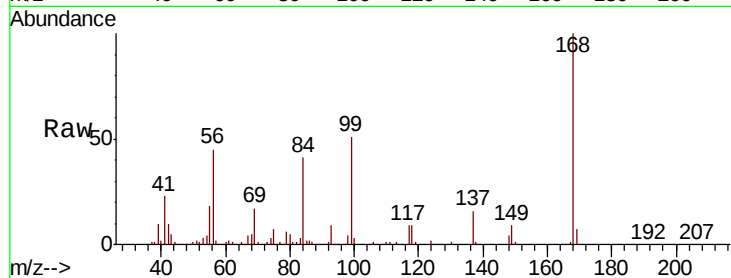
Tot Ion: 56 Resp: 262347

Ion Ratio Lower Upper

56 100

69 36.6 26.2 39.4

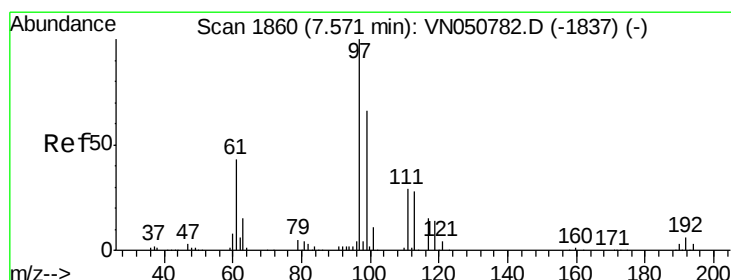
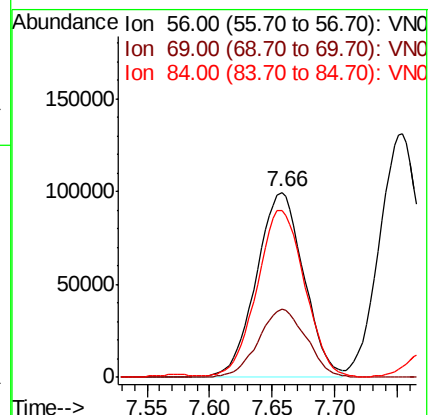
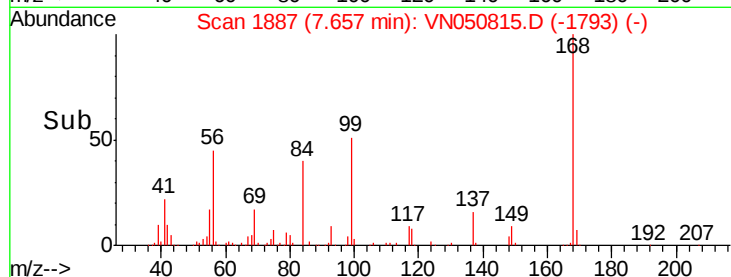
84 89.2 68.3 102.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.56 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

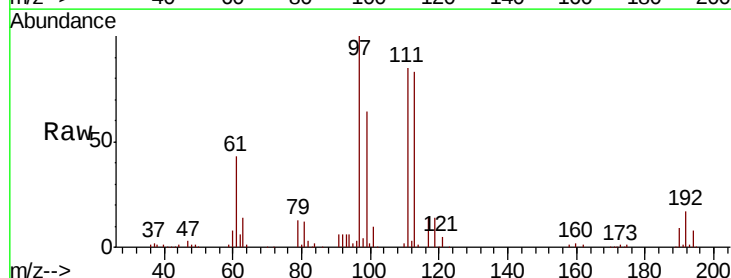
Tgt Ion: 97 Resp: 252338

Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.6

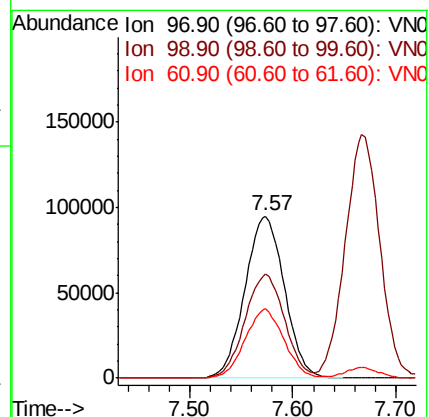
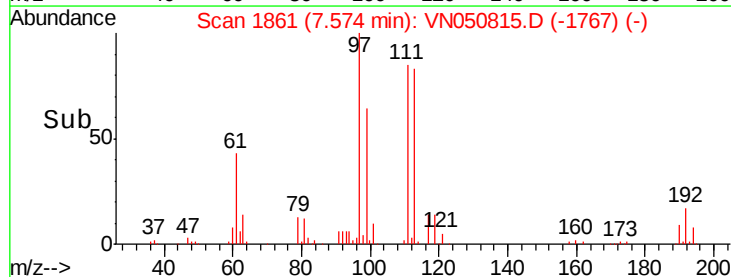
61 42.0 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

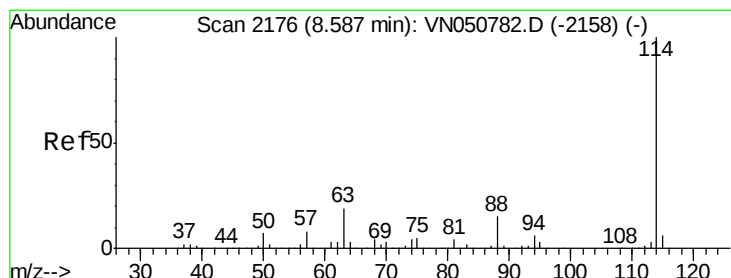
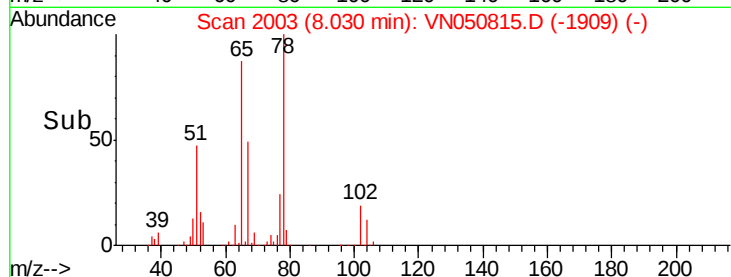
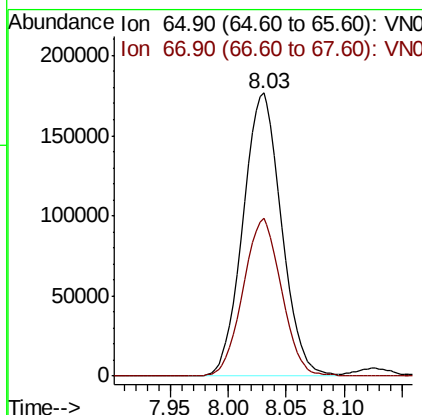
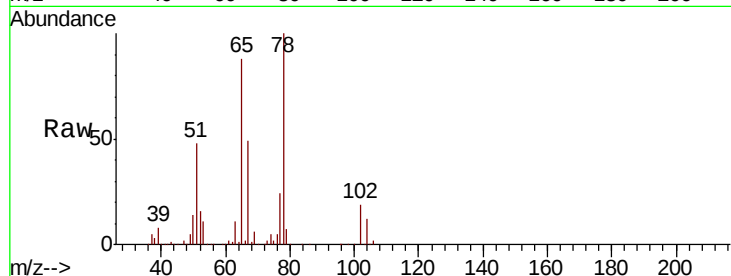




#33
 1,2-Dichloroethane-d4
 Concen: 50.07 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

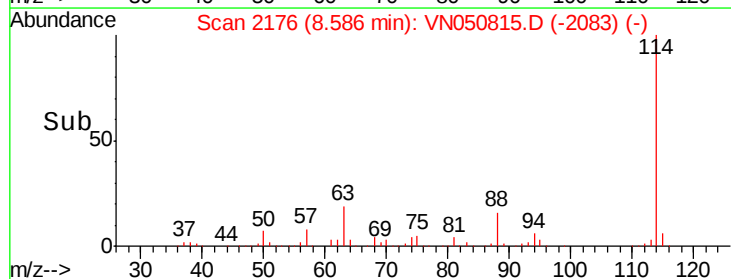
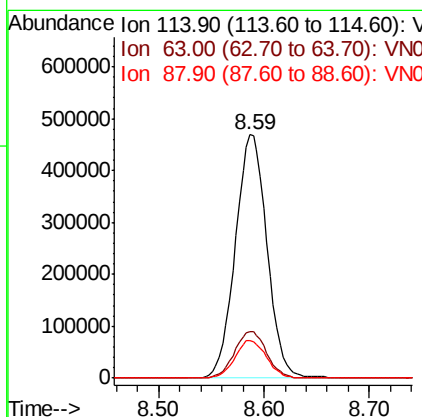
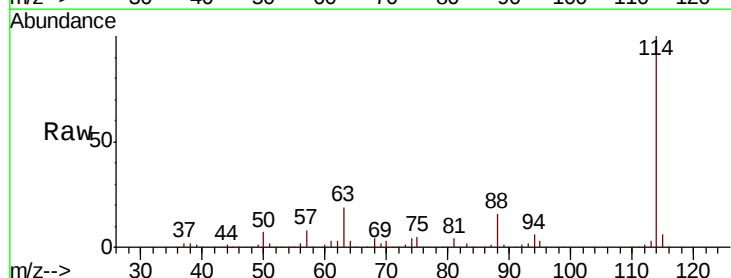
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBSD01

Tot Ion: 65 Resp: 408267
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Tgt Ion: 114 Resp: 977453
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.6
 88 15.6 0.0 30.6

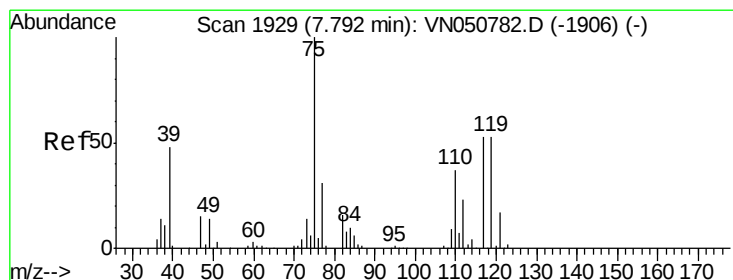
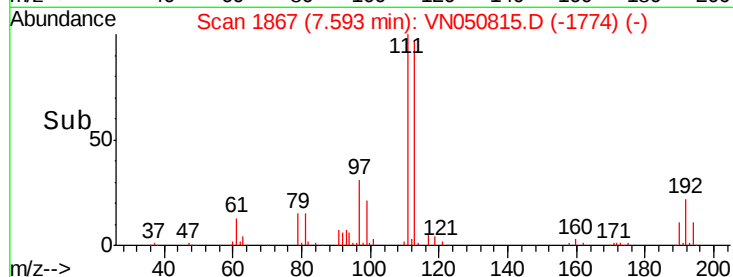
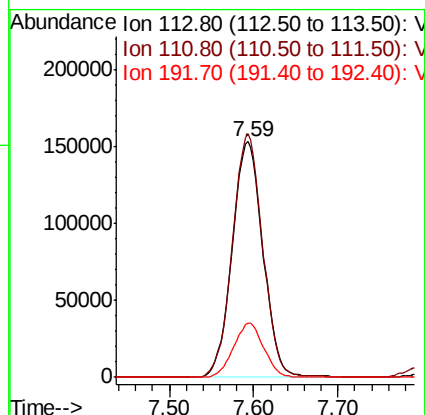
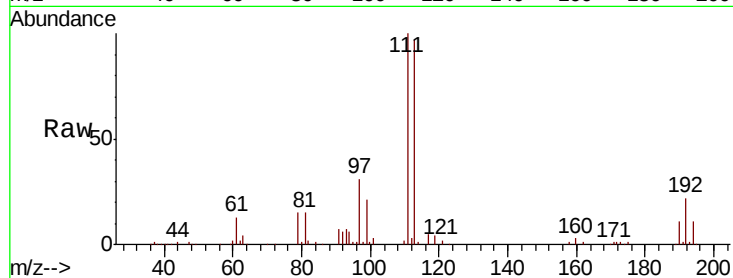




#35
Dibromofluoromethane
Concen: 49.94 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

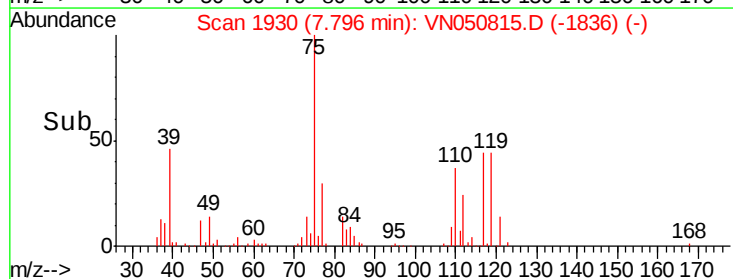
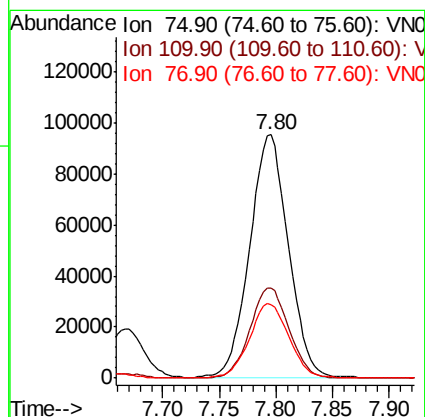
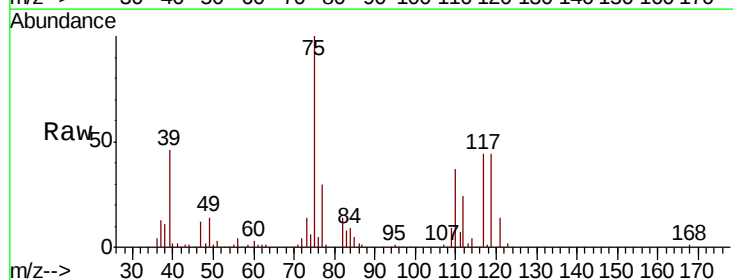
Instrument :
MSVOA_N
ClientSampleId :
VN0822MBSD01

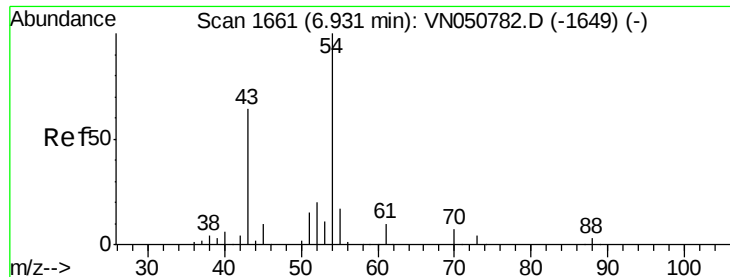
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.6	123.8
192	22.7	18.0	27.0



#36
1,1-Dichloropropene
Concen: 19.54 ug/l
RT: 7.80 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.5	18.1	54.4
77	31.6	24.8	37.2

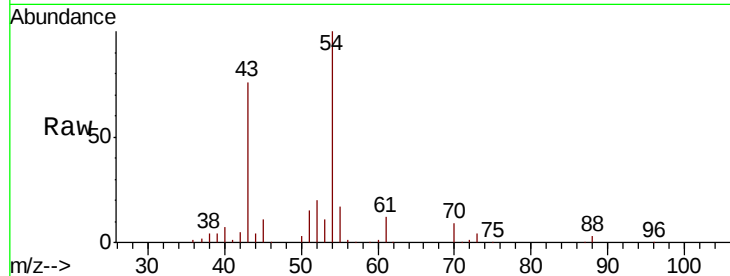




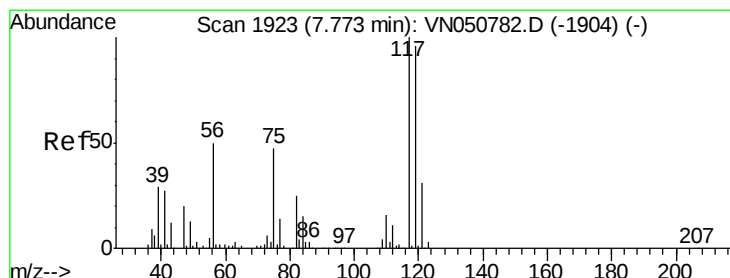
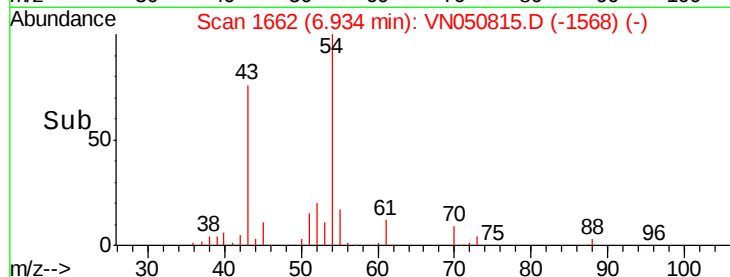
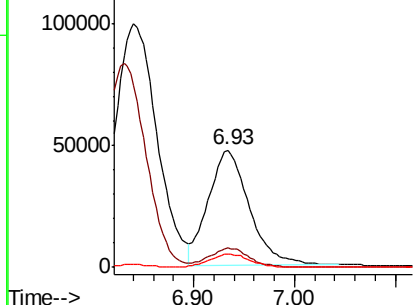
#37
Ethyl Acetate
Concen: 20.38 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0822MBSD01

Tot Ion: 43 Resp: 135055
Ion Ratio Lower Upper
43 100
61 15.6 12.0 18.0
70 11.4 8.6 13.0

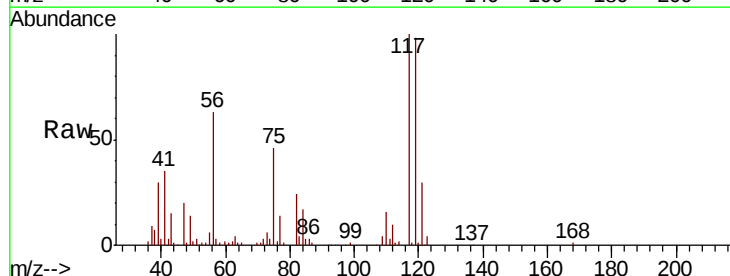


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

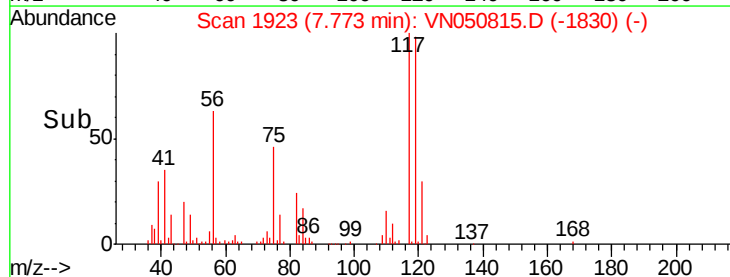
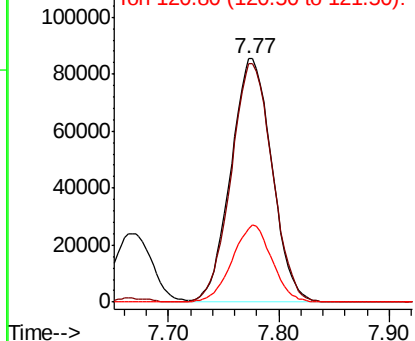


#38
Carbon Tetrachloride
Concen: 18.87 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion: 117 Resp: 219982
Ion Ratio Lower Upper
117 100
119 97.8 76.3 114.5
121 30.3 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

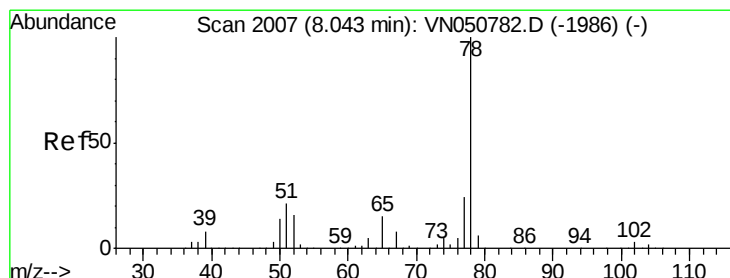
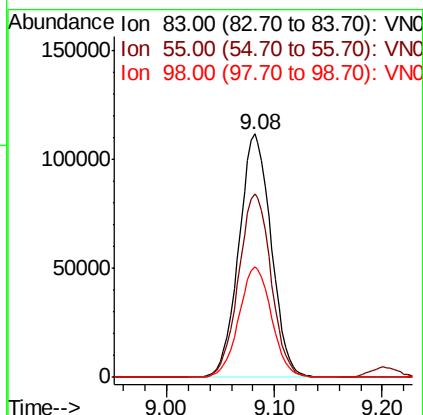
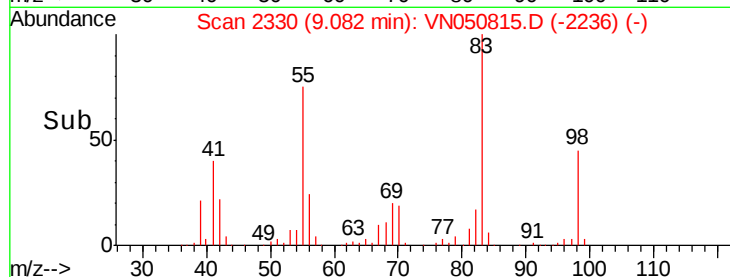
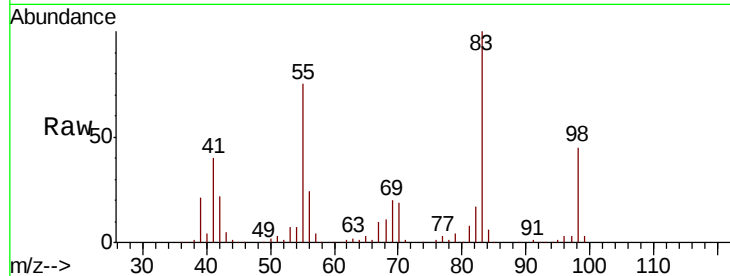




#39
Methvlcvclohexane
Concen: 18.62 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

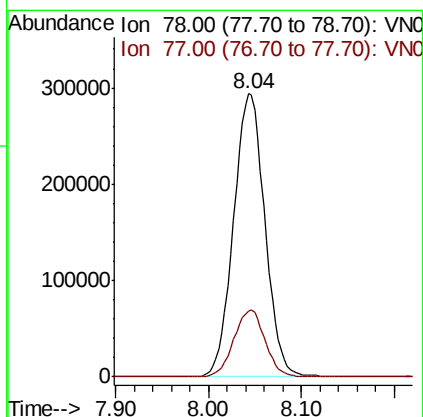
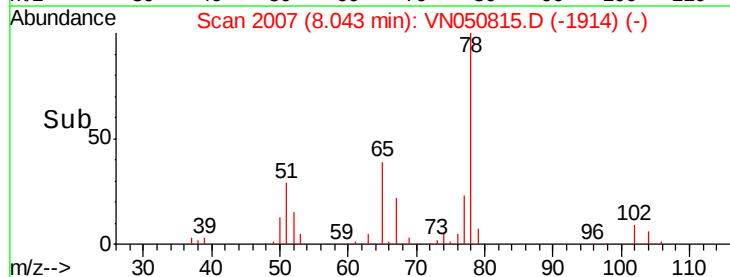
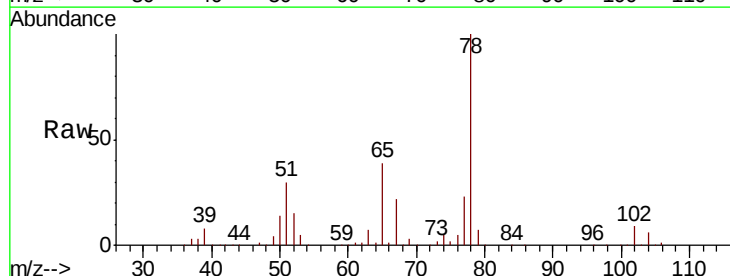
Instrument :
MSVOA_N
ClientSampleId :
VN0822MBSD01

Tot Ion	83	Resp	232349
Ion Ratio	100	Lower	Upper
55	75.2	61.0	91.4
98	45.3	37.5	56.3



#40
Benzene
Concen: 19.79 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion	78	Resp	688232
Ion Ratio	100	Lower	Upper
77	23.3	19.0	28.4

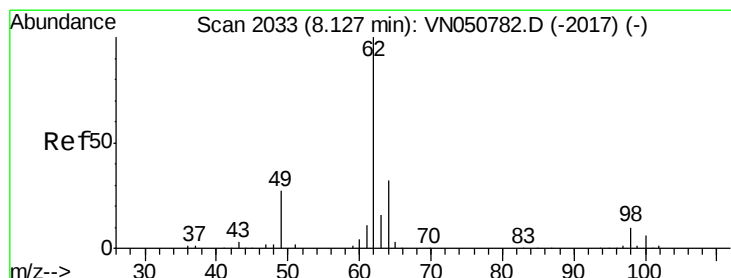
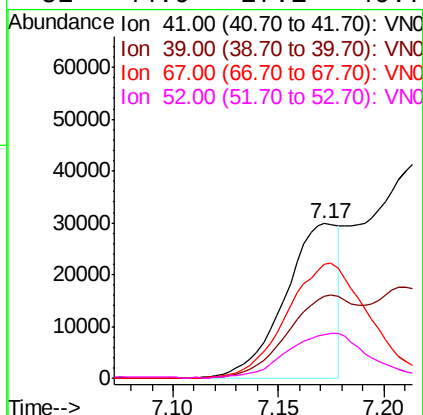
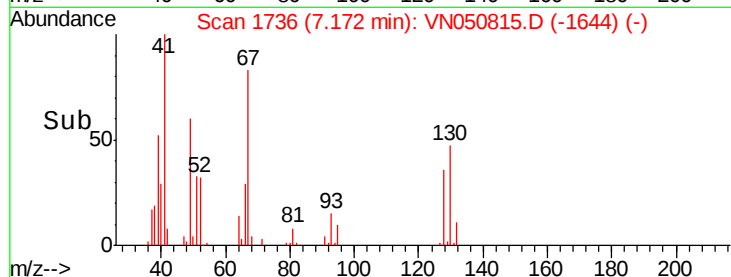
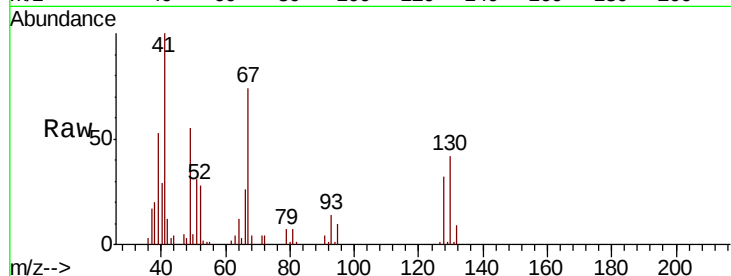




#41
Methacrylonitrile
Concen: 14.69 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

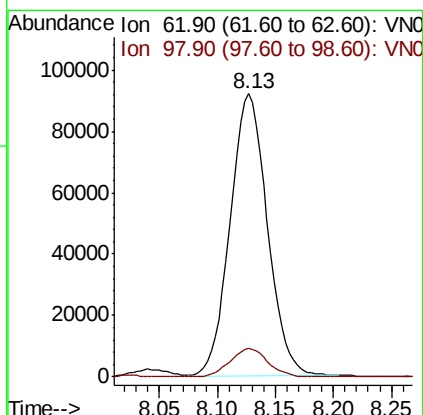
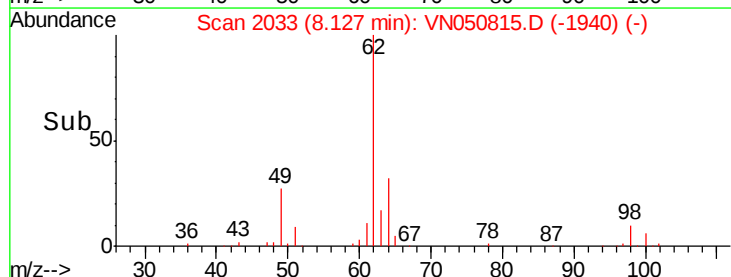
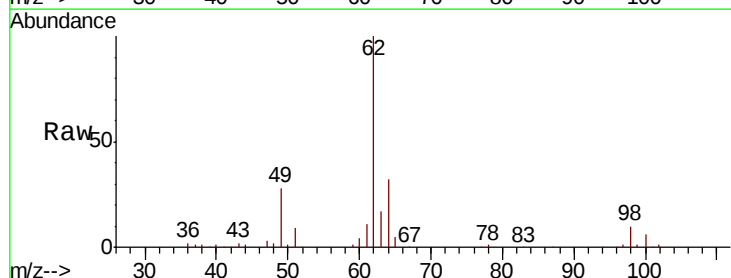
Instrument :
MSVOA_N
ClientSampleId :
VN0822MBSD01

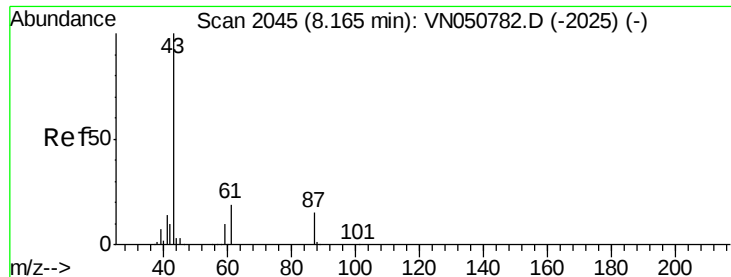
Tot Ion: 41 Resp: 52671
Ion Ratio Lower Upper
41 100
39 67.3 45.4 68.0
67 116.2 70.6 106.0#
52 44.9 27.1 40.7#



#42
1,2-Dichloroethane
Concen: 19.70 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion: 62 Resp: 204877
Ion Ratio Lower Upper
62 100
98 10.2 0.0 19.6





#43

Isopropyl Acetate

Concen: 21.35 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

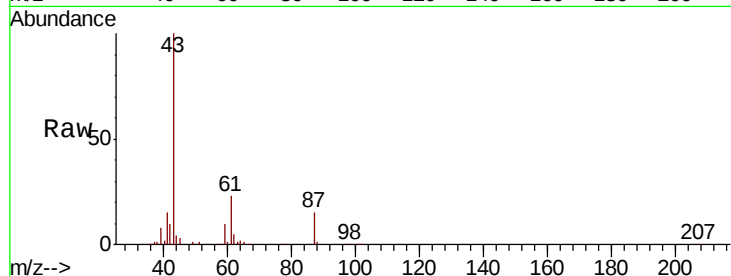
MSVOA_N

ClientSampleId :

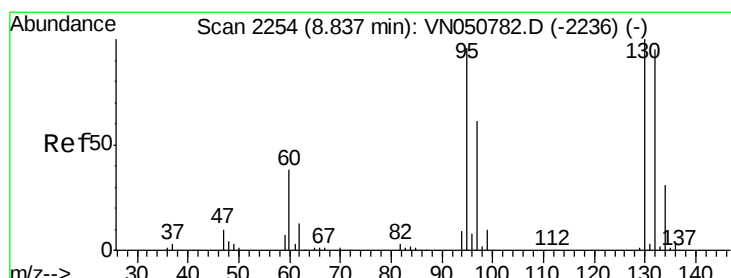
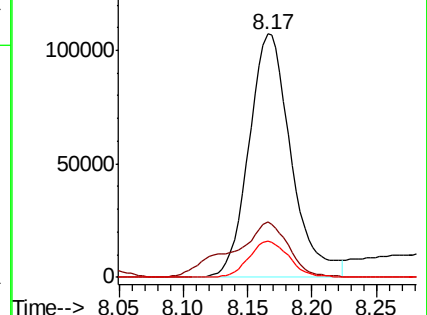
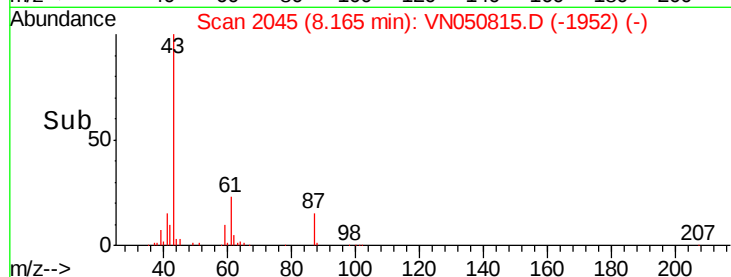
VN0822MBSD01

Tot Ion: 43 Resp: 243189

Ion	Ratio	Lower	Upper
43	100		
61	29.8	17.5	26.3#
87	14.3	11.3	16.9



Abundance Ion 43.00 (42.70 to 43.70): VN050815.D (-1952) (-)



#44

Trichloroethene

Concen: 19.77 ug/l

RT: 8.84 min Scan# 2254

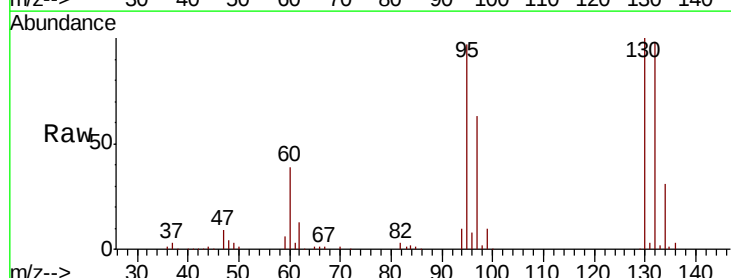
Delta R.T. -0.00 min

Lab File: VN050815.D

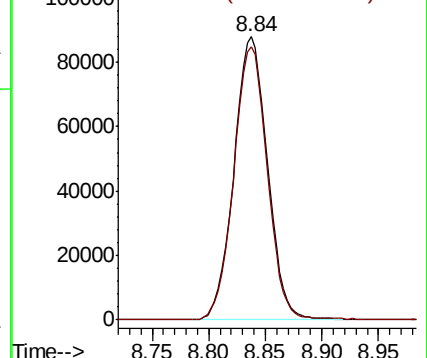
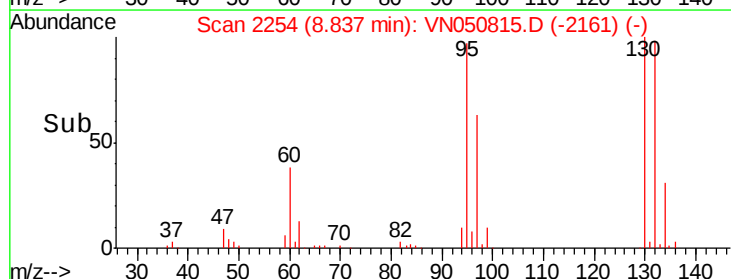
Acq: 22 Aug 2018 13:24

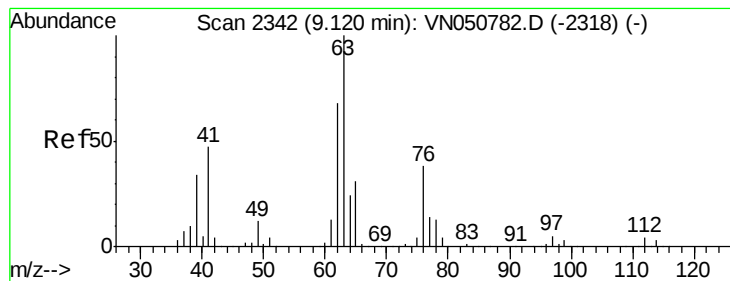
Tgt Ion: 130 Resp: 181349

Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	193.0



Abundance Ion 129.80 (129.50 to 130.50): VN050815.D (-2161) (-)





#45

1,2-Dichloropropane

Concen: 19.67 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

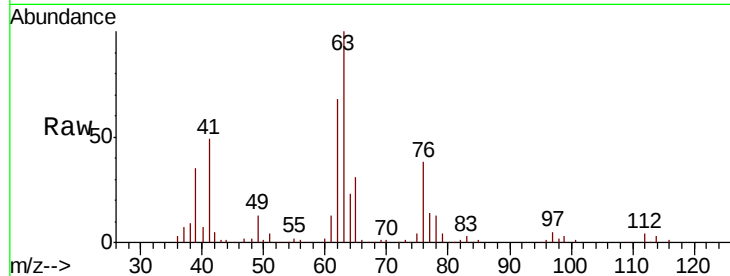
VN0822MBSD01

Tot Ion: 63 Resp: 179854

Ion Ratio Lower Upper

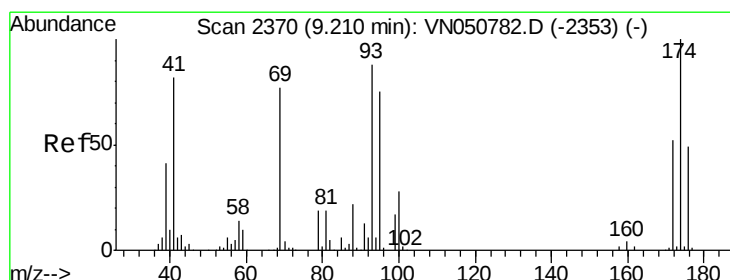
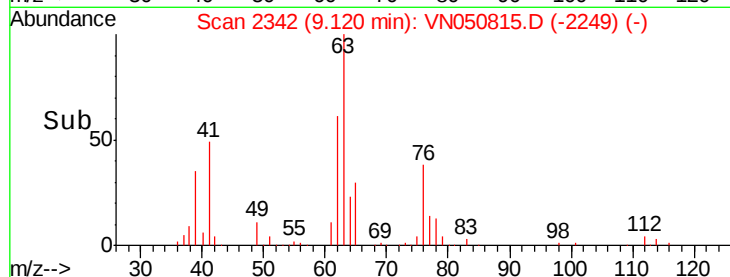
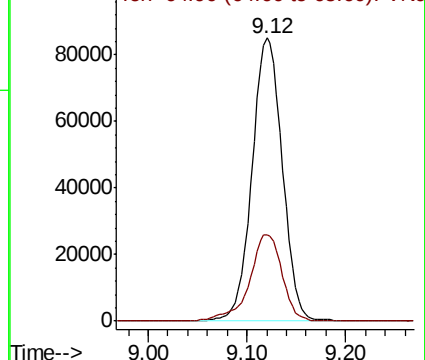
63 100

65 30.7 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.68 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

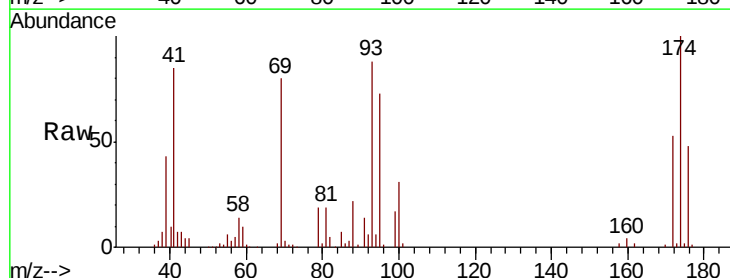
Tgt Ion: 93 Resp: 105723

Ion Ratio Lower Upper

93 100

95 82.2 66.7 100.1

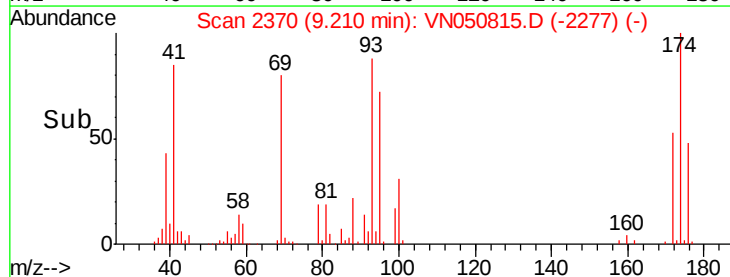
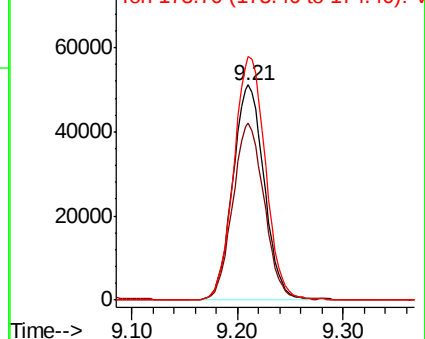
174 113.9 89.8 134.6



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.40 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBSD01

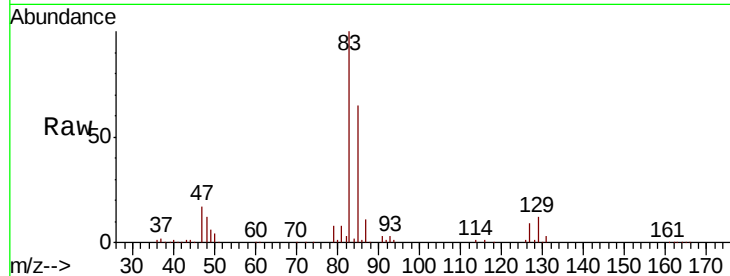
Tot Ion: 83 Resp: 218307

Ion Ratio Lower Upper

83 100

85 65.2 52.6 78.8

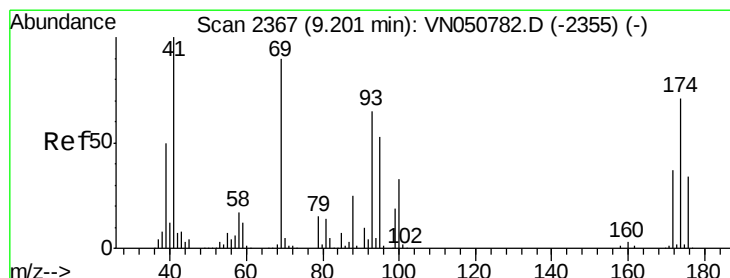
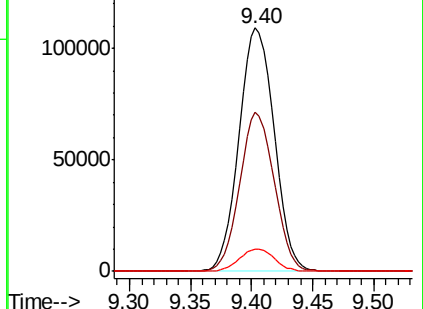
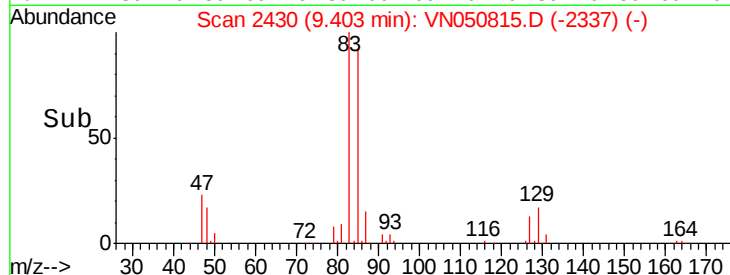
127 9.0 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 19.91 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

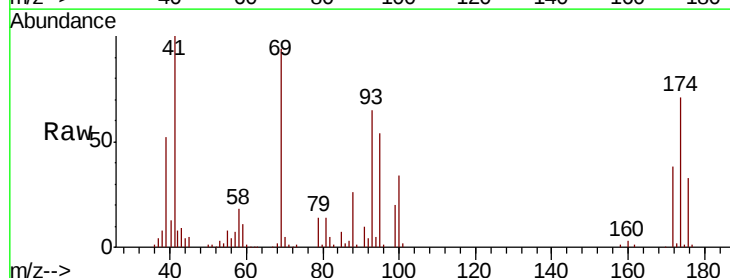
Tgt Ion: 41 Resp: 115597

Ion Ratio Lower Upper

41 100

69 97.8 74.7 112.1

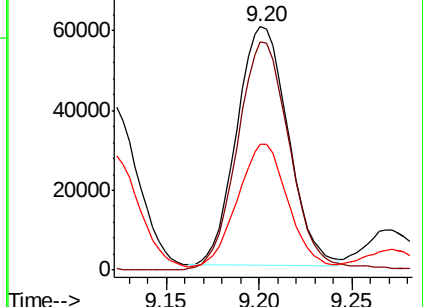
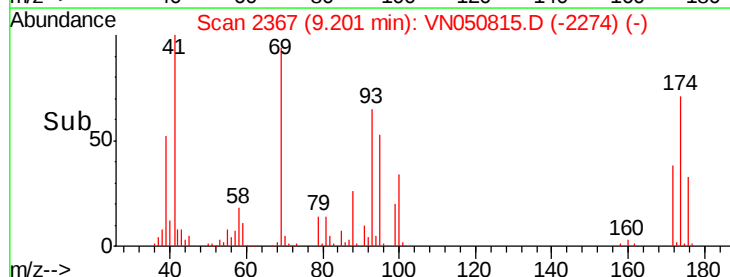
39 52.8 42.2 63.2

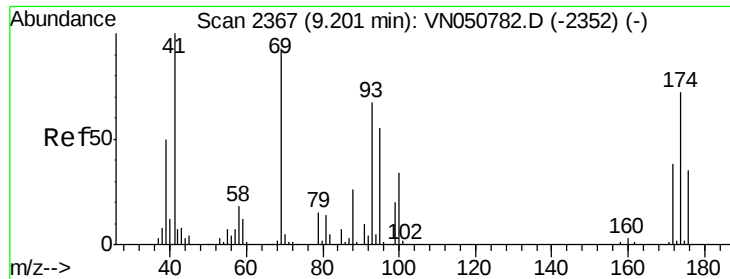


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

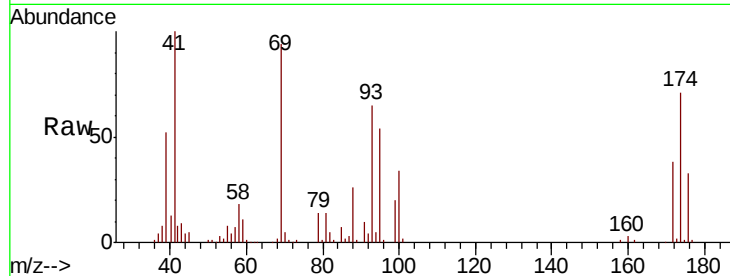




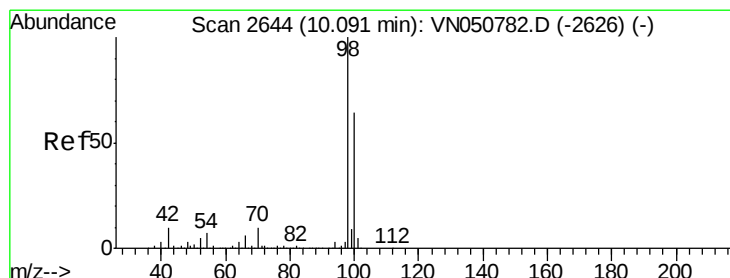
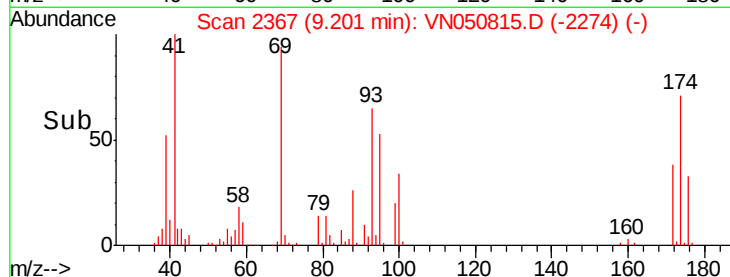
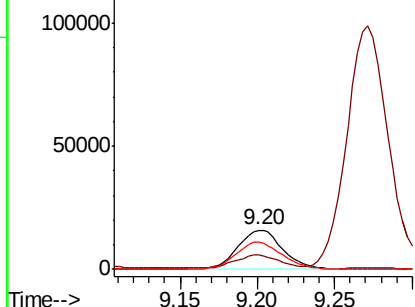
#49
 1,4-Dioxane
 Concen: 408.41 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBSD01

Tot Ion: 88 Resp: 32324
 Ion Ratio Lower Upper
 88 100
 43 31.6 25.9 38.9
 58 70.8 55.0 82.4

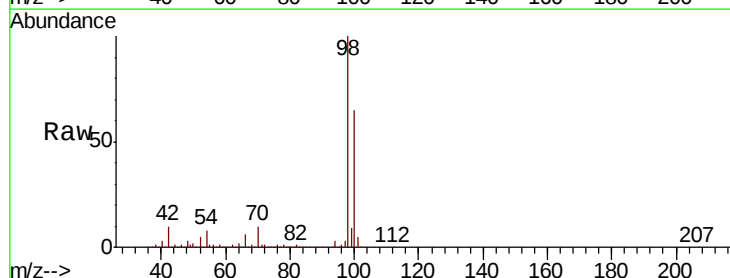


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

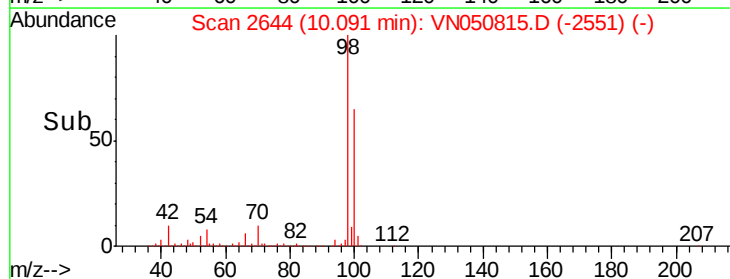
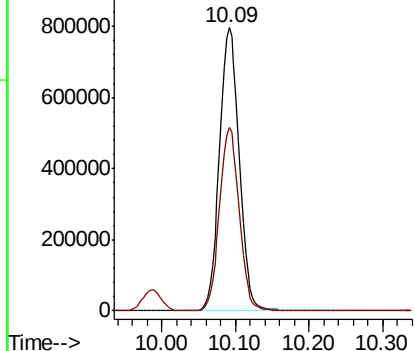


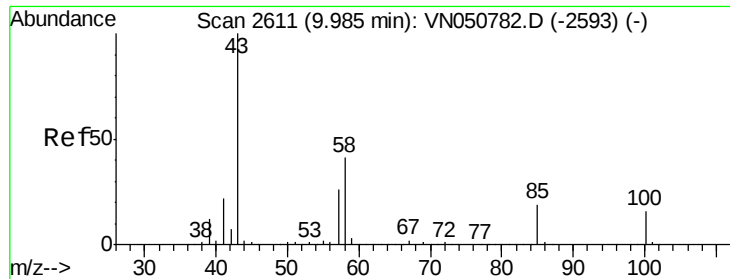
#50
 Toluene-d8
 Concen: 50.95 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Tgt Ion: 98 Resp: 1481396
 Ion Ratio Lower Upper
 98 100
 100 64.8 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: 99.14 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

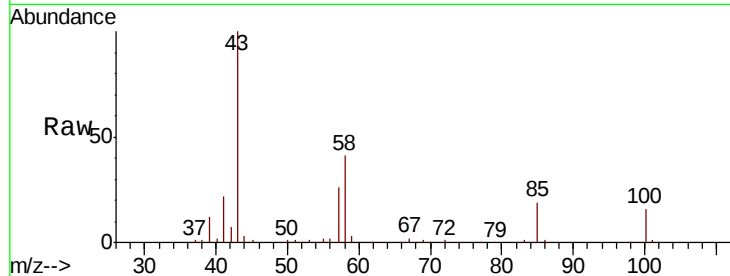
VN0822MBSD01

Tot Ion: 43 Resp: 674006

Ion Ratio Lower Upper

43 100

58 40.9 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

400000

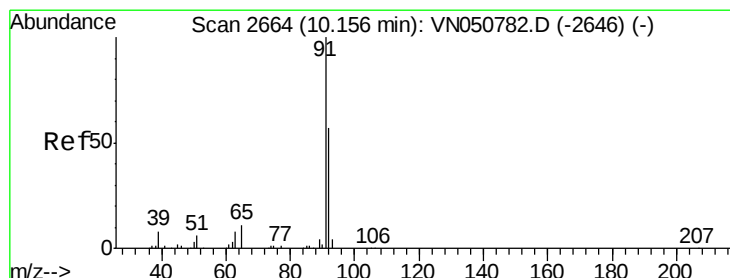
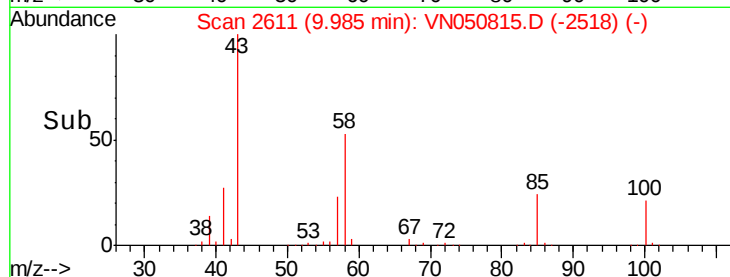
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.66 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050815.D

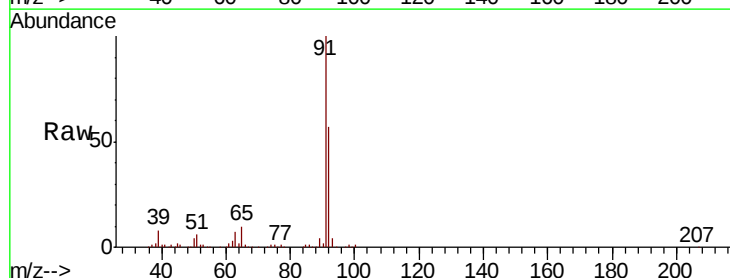
Acq: 22 Aug 2018 13:24

Tgt Ion: 92 Resp: 425779

Ion Ratio Lower Upper

92 100

91 174.2 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

400000

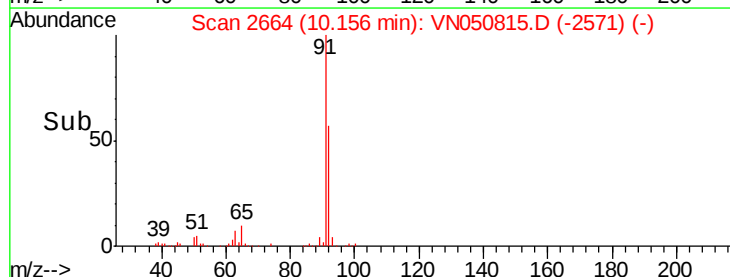
300000

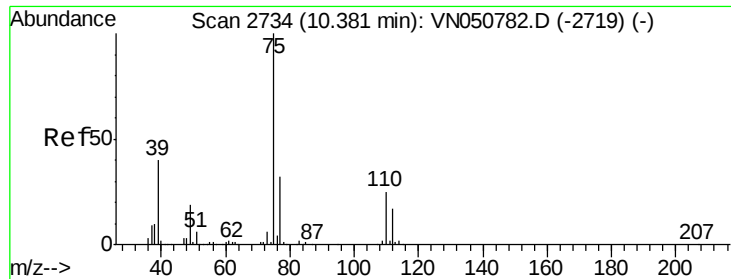
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.25 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampled :

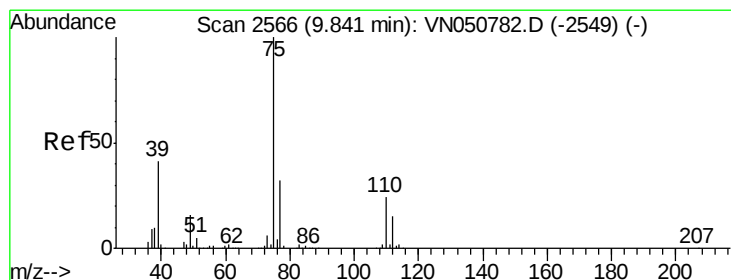
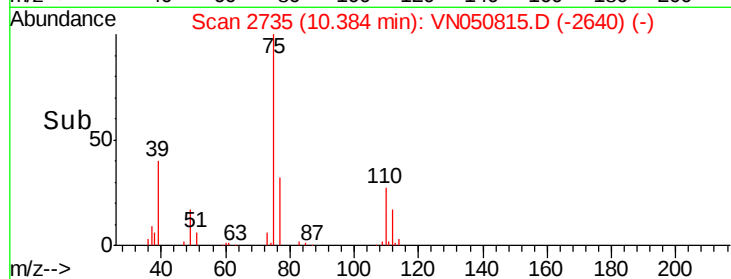
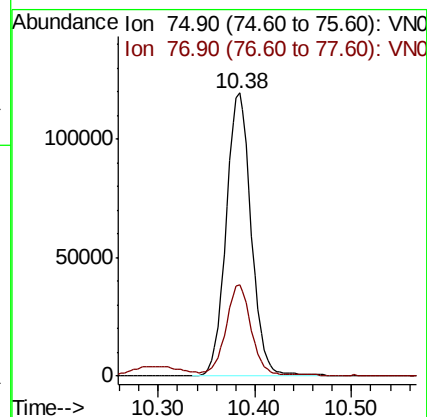
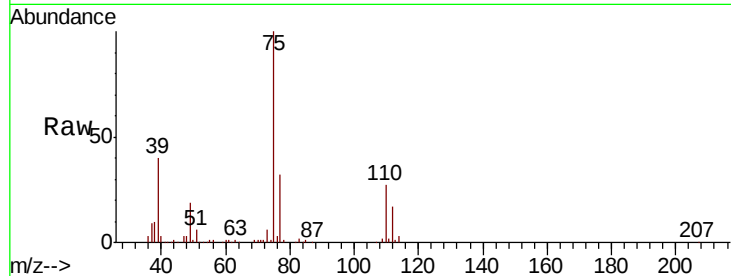
VN0822MBSD01

Tot Ion: 75 Resp: 21535

Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 19.95 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

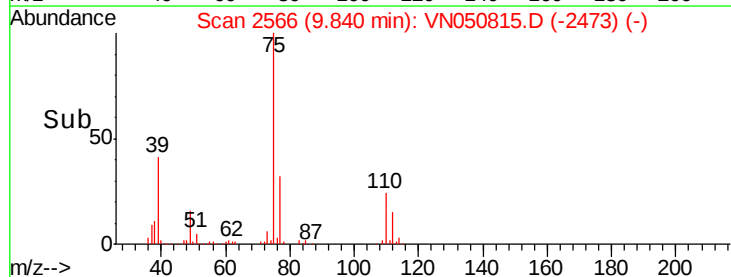
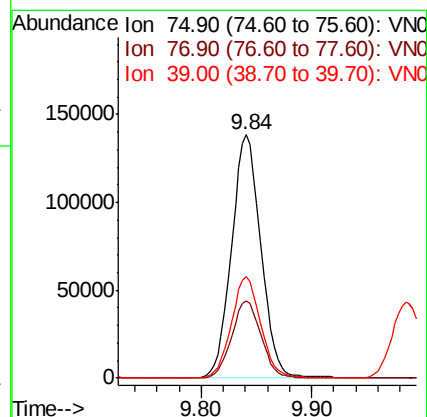
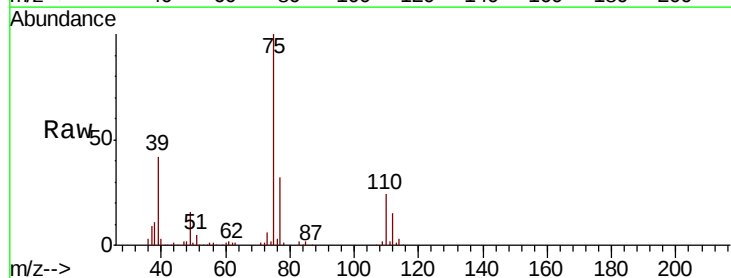
Tgt Ion: 75 Resp: 255807

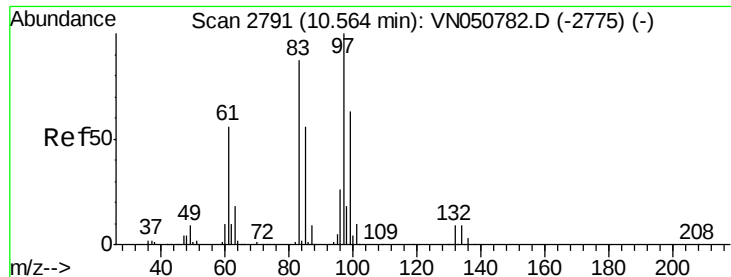
Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.2

39 41.6 33.0 49.4





#55

1,1,2-Trichloroethane

Concen: 20.06 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBSD01

Tot Ion: 97 Resp: 153380

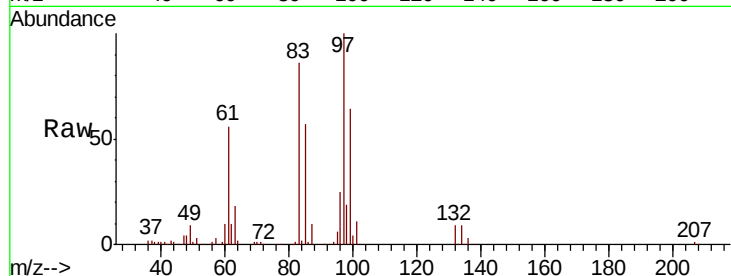
Ion	Ratio	Lower	Upper
97	100		
83	86.0	69.7	104.5
85	57.5	44.5	66.7
99	63.5	50.7	76.1

97 100

83 86.0 69.7 104.5

85 57.5 44.5 66.7

99 63.5 50.7 76.1



Abundance

Ion 96.90 (96.60 to 97.60): VN0

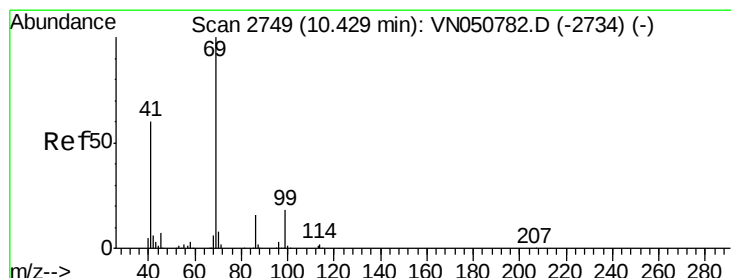
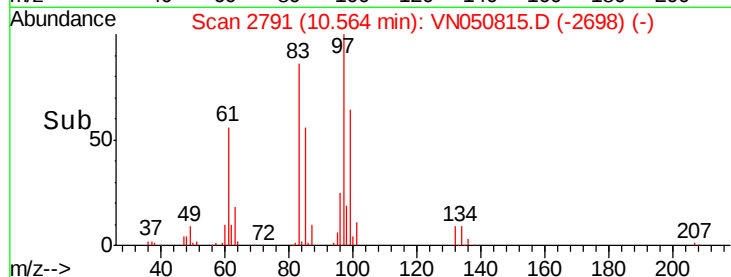
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

10.56

Time--> 10.45 10.50 10.55 10.60



#56

Ethyl methacrylate

Concen: 19.98 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

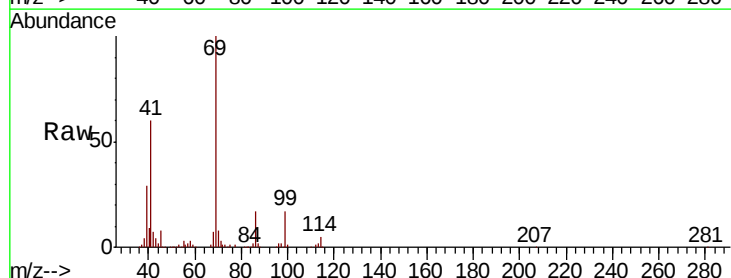
Tgt Ion: 69 Resp: 184013

Ion	Ratio	Lower	Upper
69	100		
41	60.9	48.3	72.5
39	28.4	24.0	36.0

69 100

41 60.9 48.3 72.5

39 28.4 24.0 36.0



Abundance

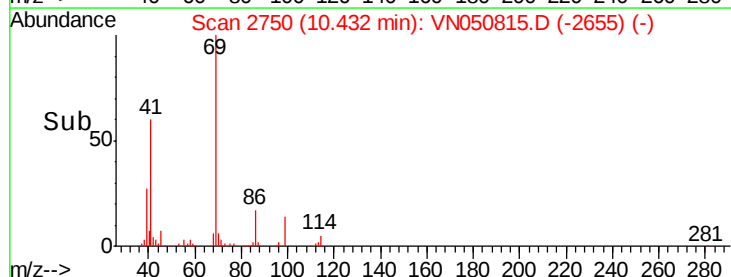
Ion 69.00 (68.70 to 69.70): VN0

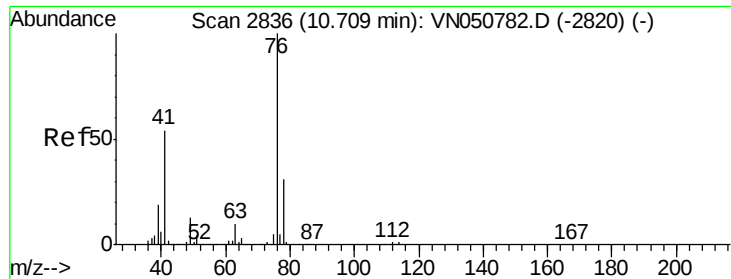
Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

10.43

Time--> 10.30 10.40 10.50

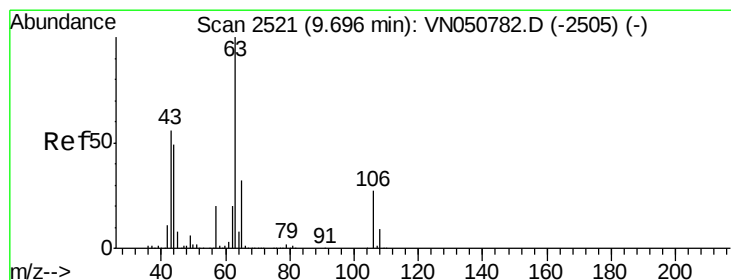
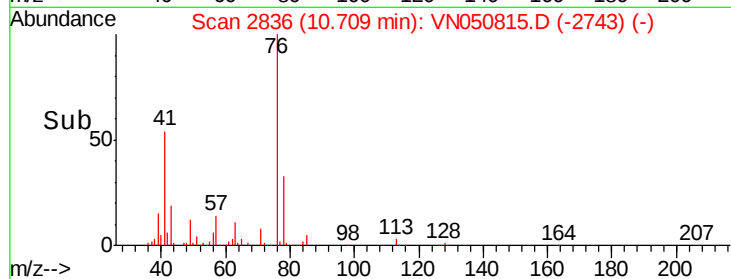
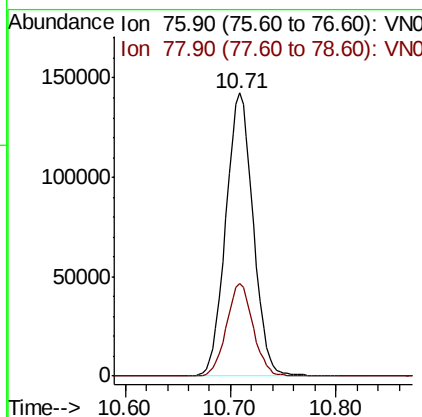
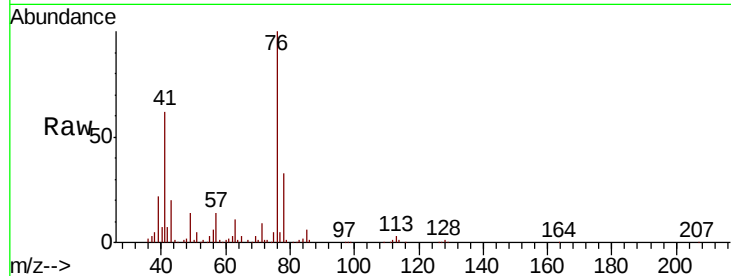




#57
 1,3-Dichloropropane
 Concen: 20.21 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

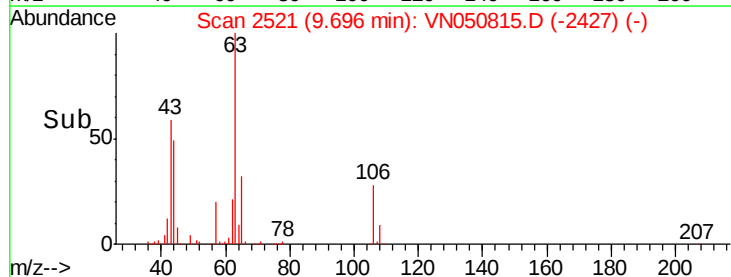
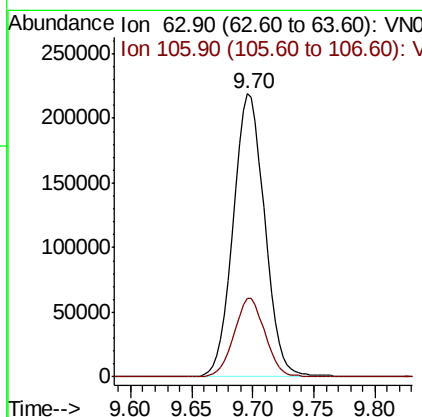
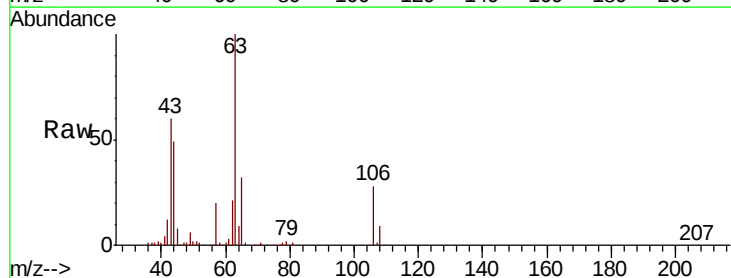
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBSD01

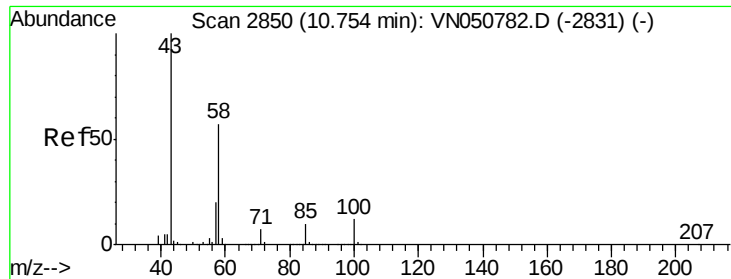
Tot Ion: 76 Resp: 255119
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.39 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Tgt Ion: 63 Resp: 393282
 Ion Ratio Lower Upper
 63 100
 106 27.5 21.9 32.9

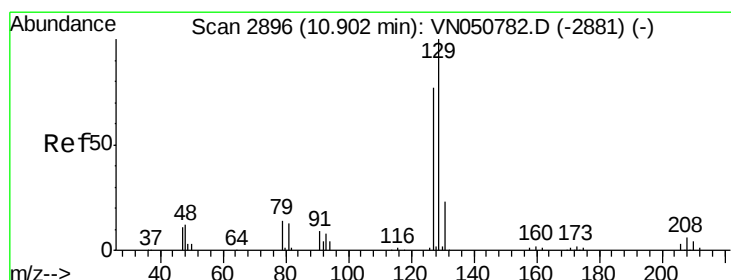
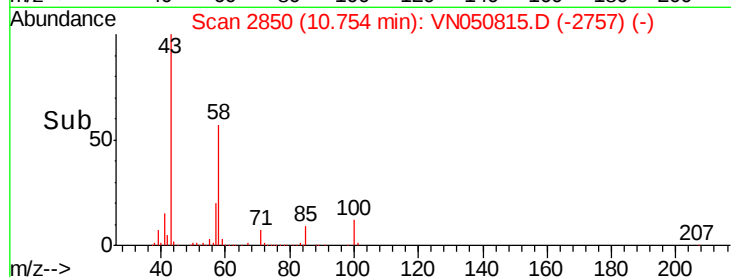
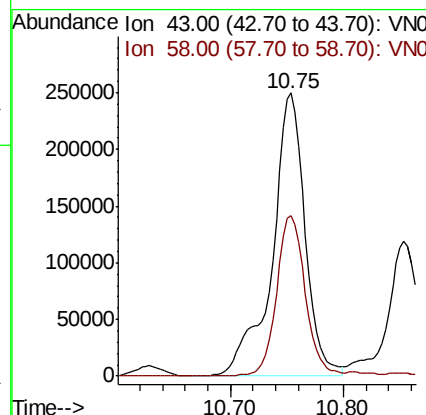
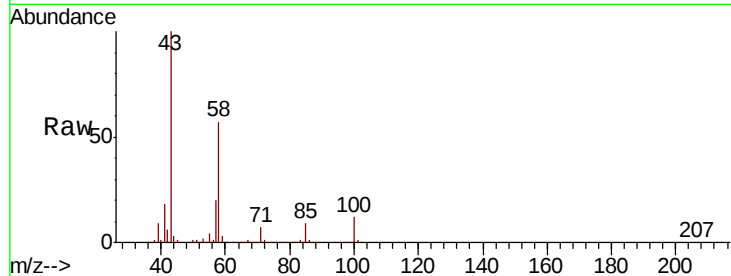




#59
2-Hexanone
Concen: 110.65 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

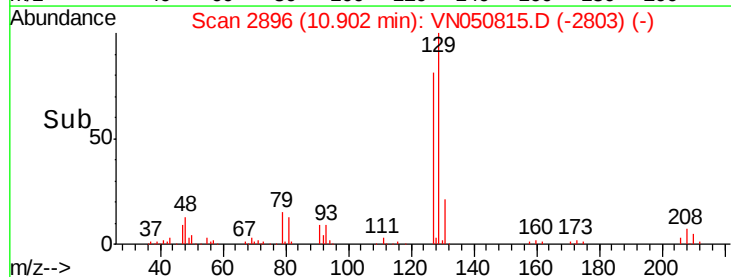
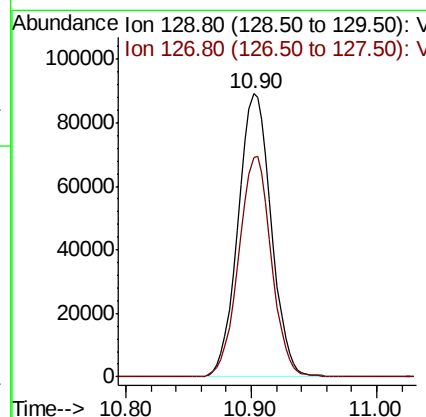
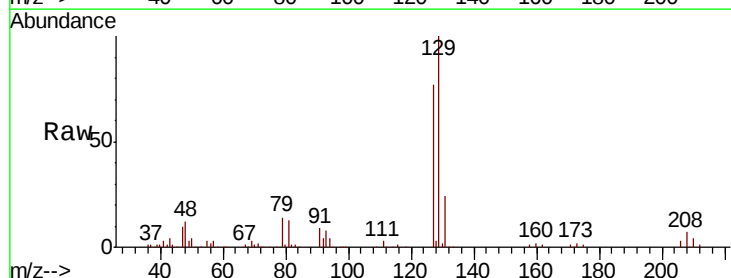
Instrument :
MSVOA_N
ClientSampleId :
VN0822MBSD01

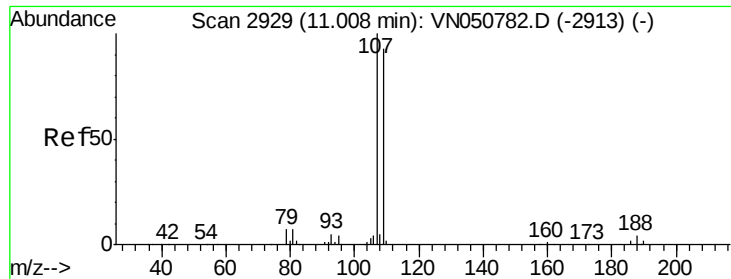
Tot Ion: 43 Resp: 500789
Ion Ratio Lower Upper
43 100
58 49.6 28.3 85.0



#60
Dibromochloromethane
Concen: 19.15 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion: 129 Resp: 164006
Ion Ratio Lower Upper
129 100
127 76.6 38.3 114.9

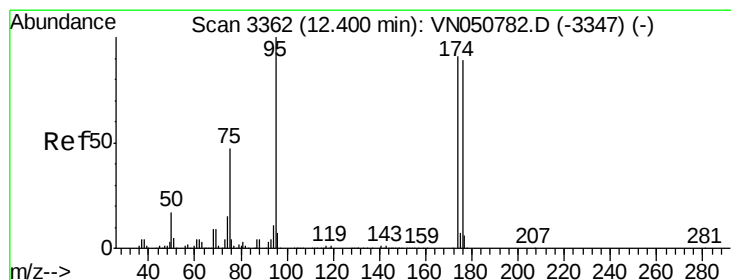
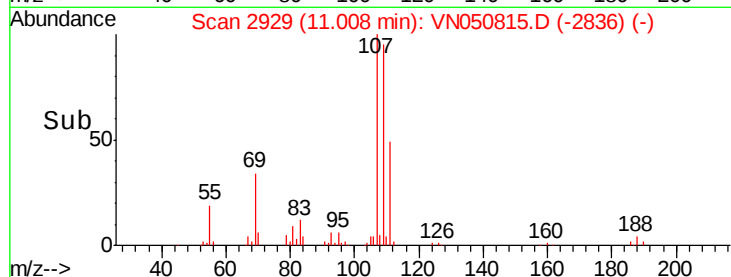
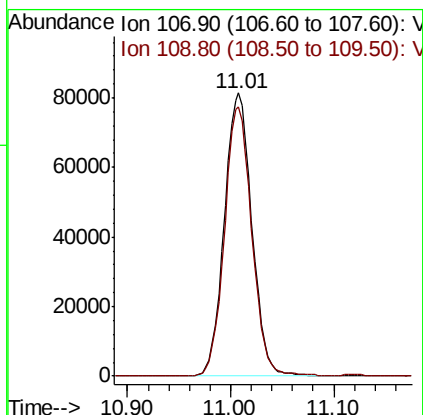
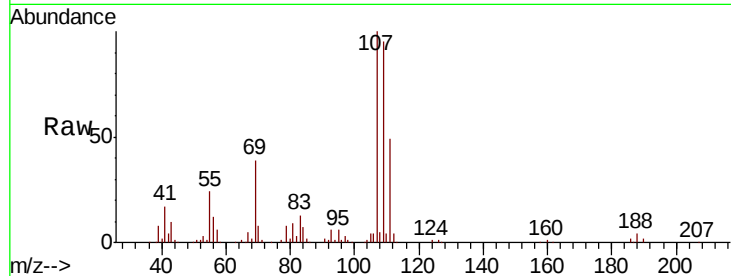




#61
 1,2-Dibromoethane
 Concen: 20.48 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

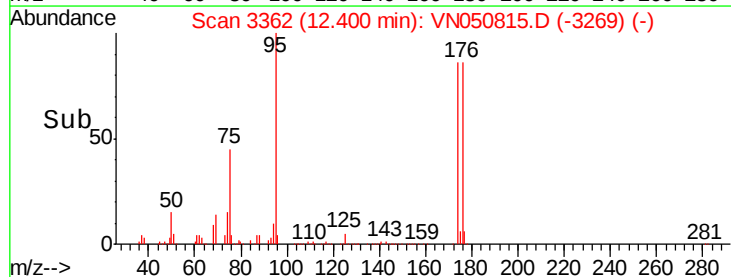
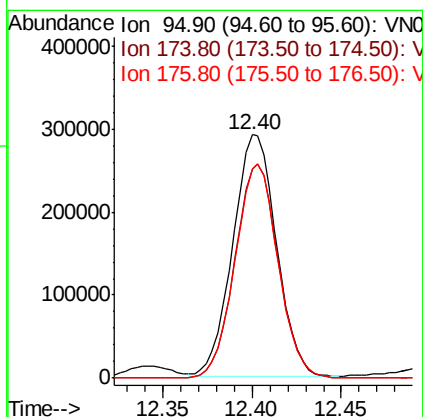
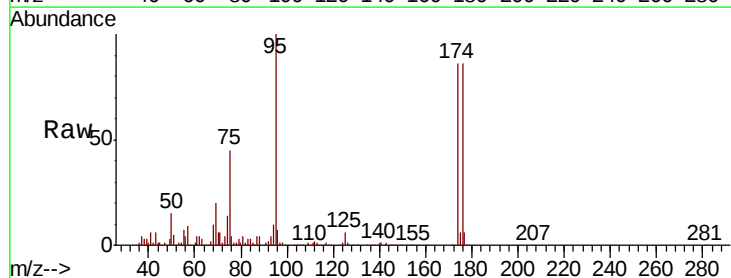
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBSD01

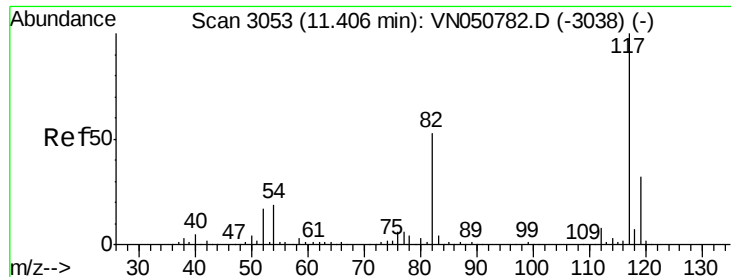
Tot Ion:107 Resp: 151423
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 51.35 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. -0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Tgt Ion: 95 Resp: 496099
 Ion Ratio Lower Upper
 95 100
 174 88.0 0.0 183.0
 176 87.3 0.0 178.8

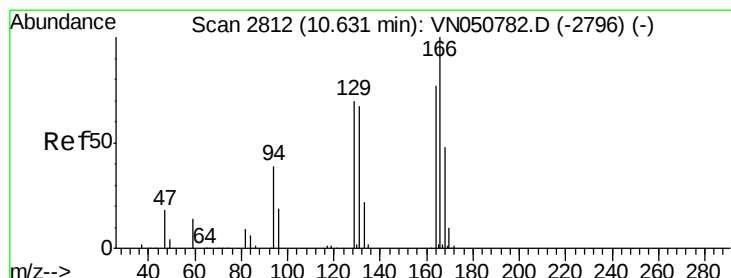
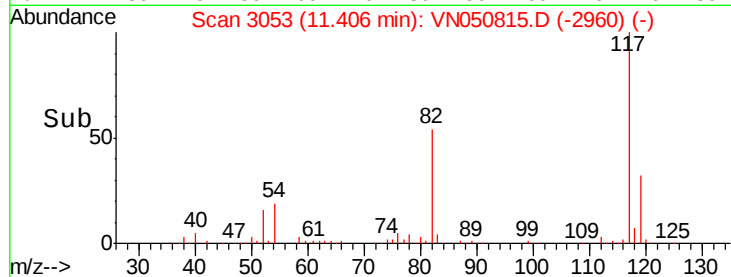
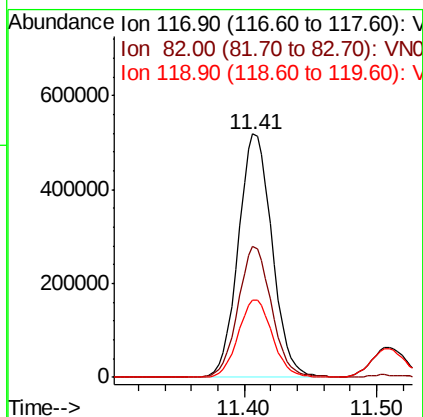
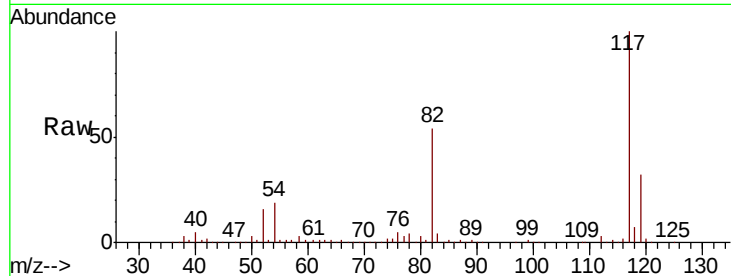




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

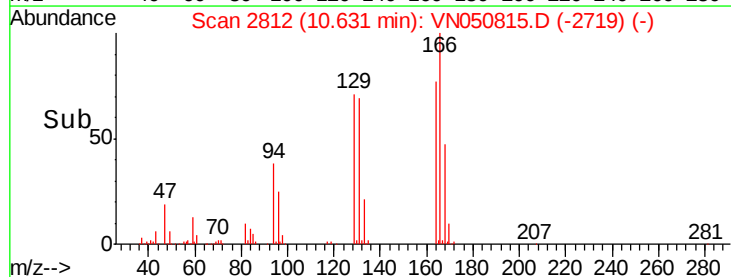
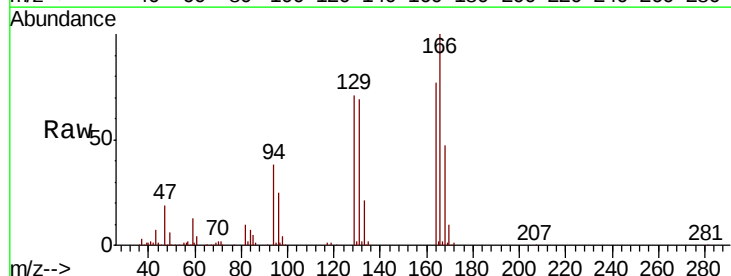
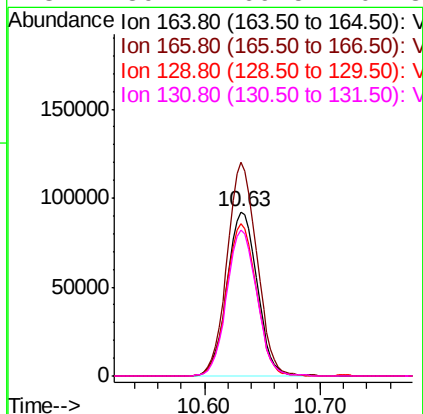
Instrument :
MSVOA_N
ClientSampleId :
VN0822MBSD01

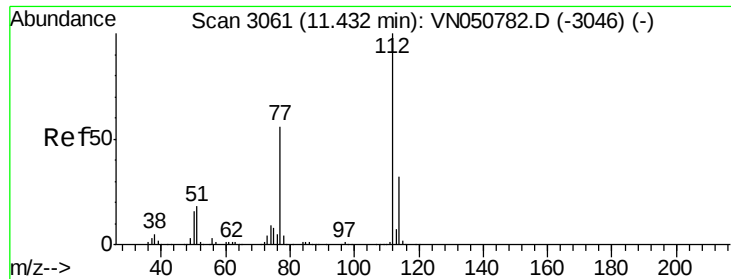
Tot Ion:117 Resp: 915080
Ion Ratio Lower Upper
117 100
82 53.6 42.6 64.0
119 31.9 25.8 38.6



#64
Tetrachloroethene
Concen: 19.22 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion:164 Resp: 167043
Ion Ratio Lower Upper
164 100
166 130.1 103.5 155.3
129 92.8 72.7 109.1
131 89.2 69.5 104.3





#65

Chlorobenzene

Concen: 19.54 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

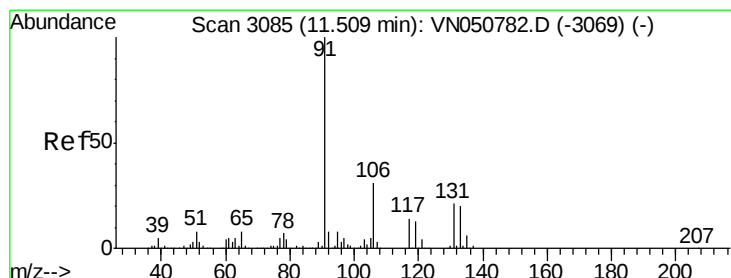
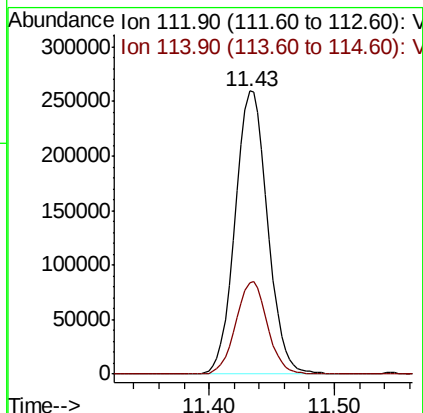
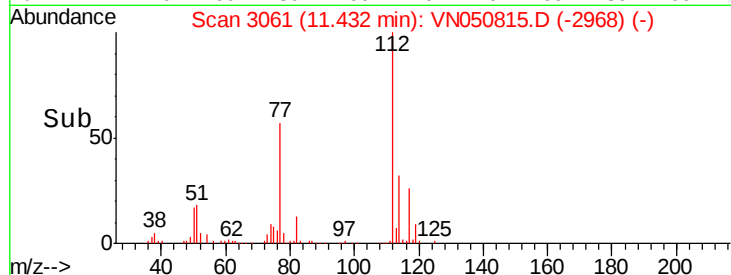
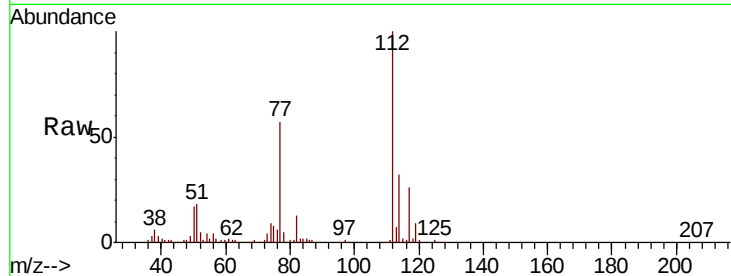
VN0822MBSD01

Tot Ion:112 Resp: 467434

Ion Ratio Lower Upper

112 100

114 32.2 25.6 38.4



#66

1,1,1,2-Tetrachloroethane

Concen: 18.95 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

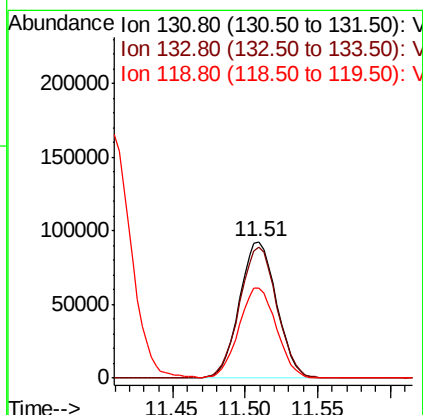
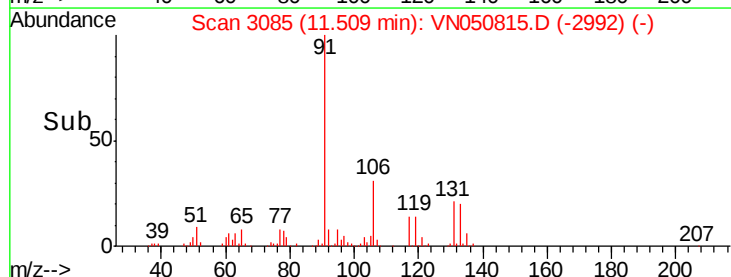
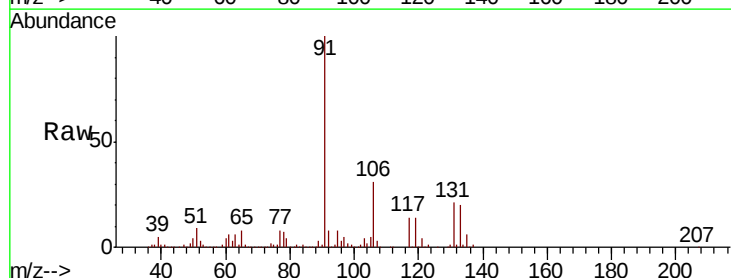
Tgt Ion:131 Resp: 165880

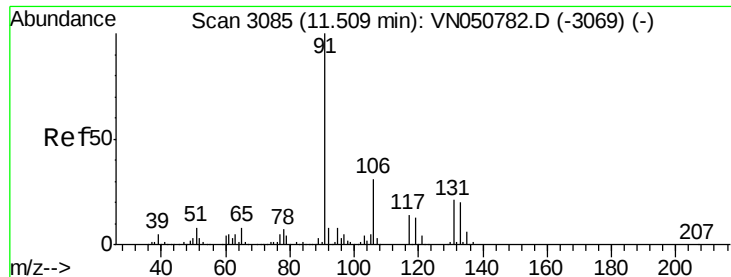
Ion Ratio Lower Upper

131 100

133 96.5 47.4 142.3

119 66.6 32.8 98.4





#67

Ethyl Benzene

Concen: 20.16 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

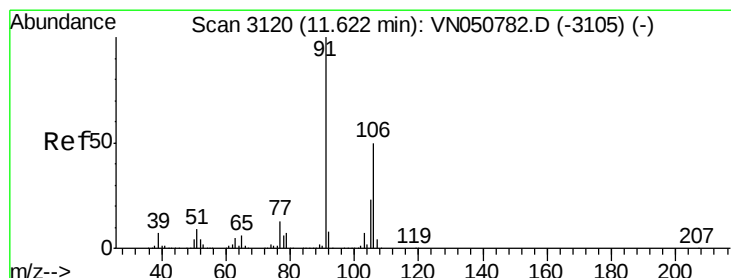
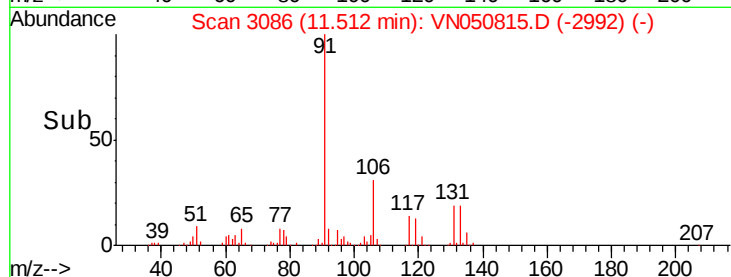
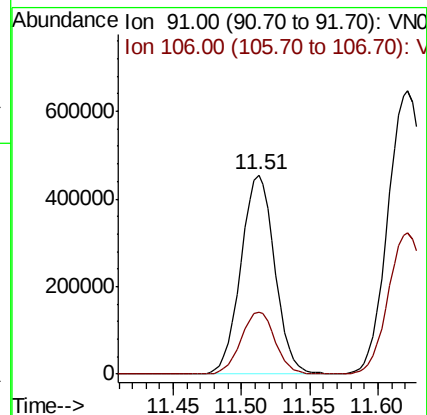
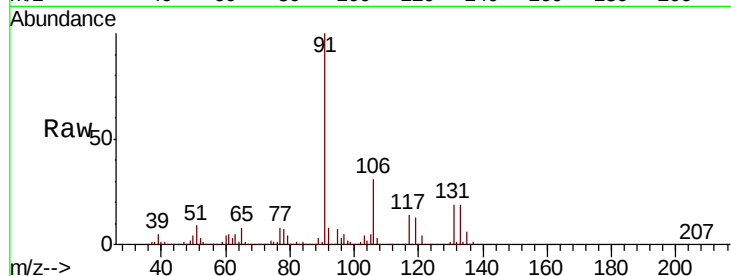
VN0822MBSD01

Tot Ion: 91 Resp: 783977

Ion Ratio Lower Upper

91 100

106 31.4 25.0 37.4



#68

m/p-Xylenes

Concen: 42.21 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050815.D

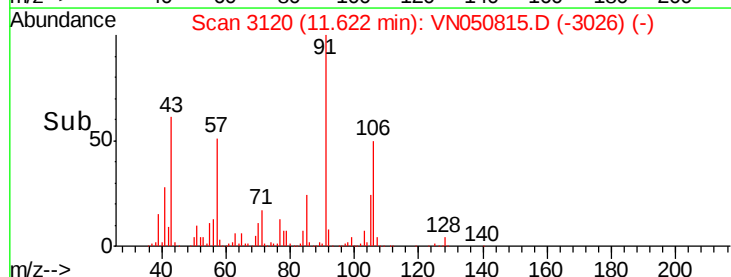
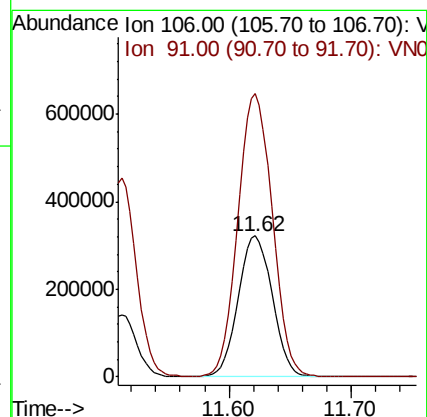
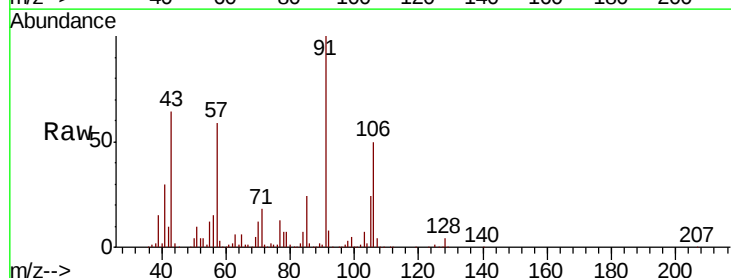
Acq: 22 Aug 2018 13:24

Tgt Ion: 106 Resp: 623061

Ion Ratio Lower Upper

106 100

91 202.1 161.0 241.6

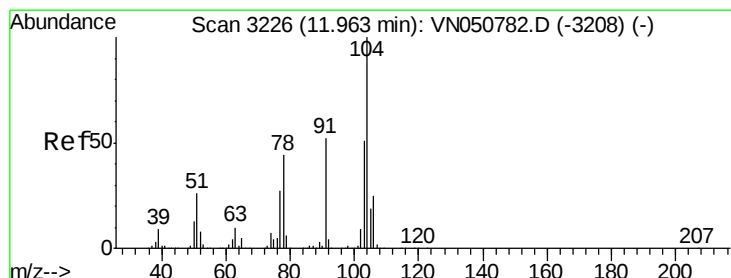
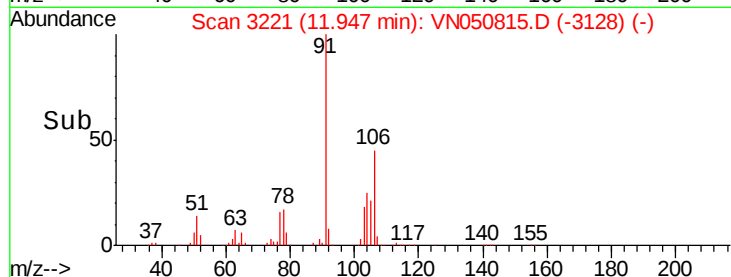
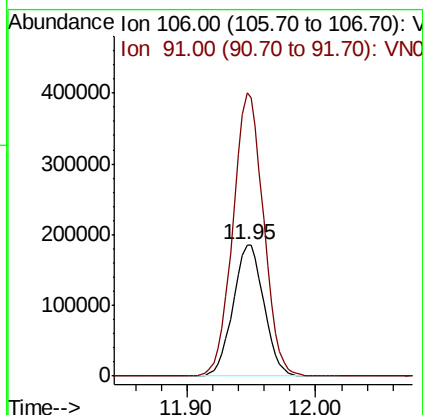
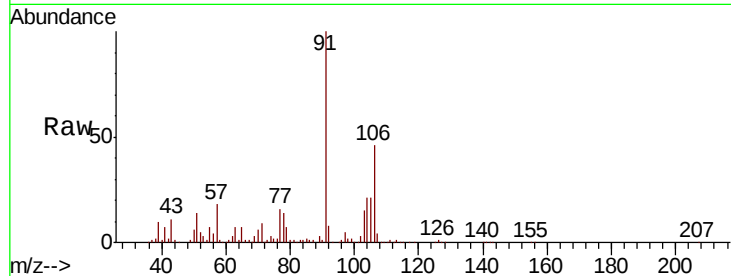




#69
o-Xylene
Concen: 21.69 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

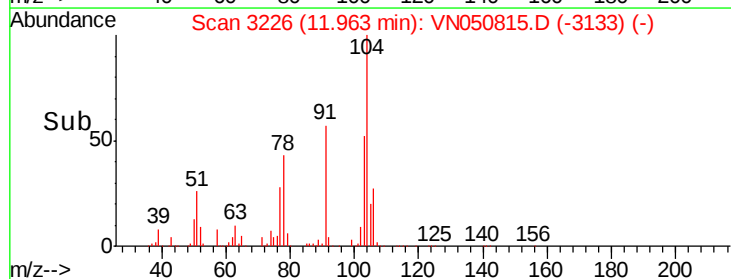
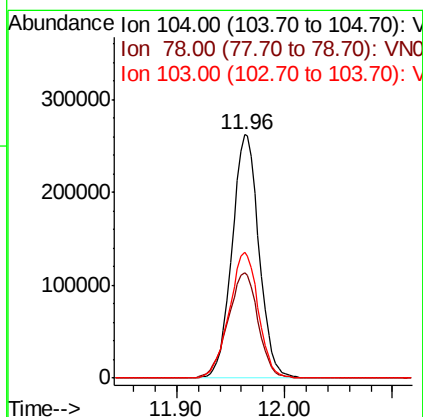
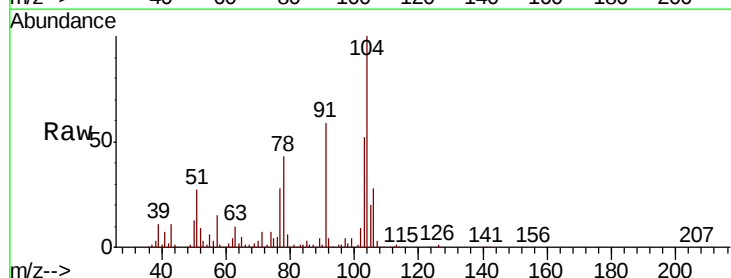
Instrument :
MSVOA_N
ClientSampled :
VN0822MBSD01

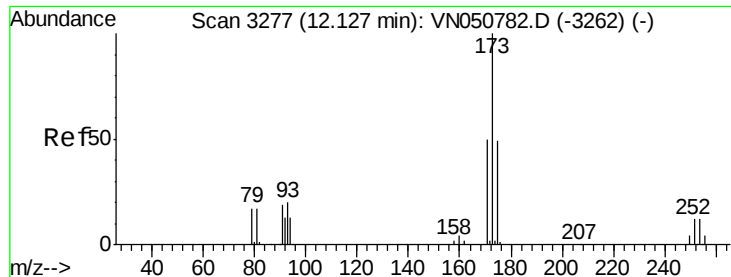
Tot Ion:106 Resp: 307751
Ion Ratio Lower Upper
106 100
91 214.0 106.5 319.5



#70
Styrene
Concen: 19.10 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion:104 Resp: 457530
Ion Ratio Lower Upper
104 100
78 48.6 38.2 57.4
103 55.9 44.4 66.6





#71

Bromoform

Concen: 18.18 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBSD01

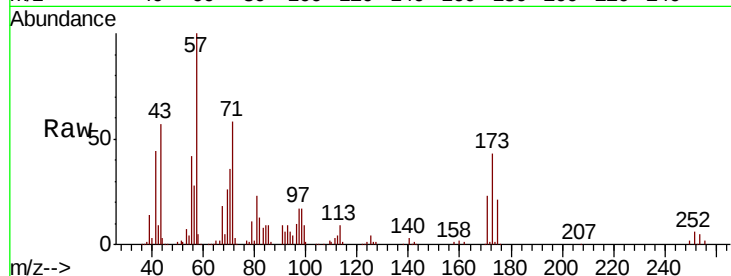
Tot Ion:173 Resp: 109394

Ion Ratio Lower Upper

173 100

175 49.6 24.4 73.4

254 0.0 0.1 0.1#

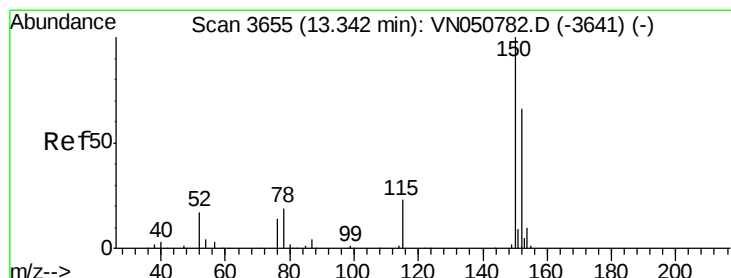
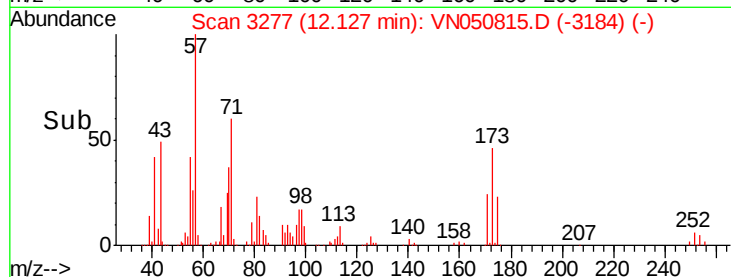
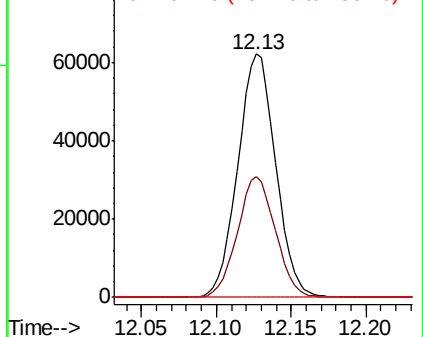


Abundance

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: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

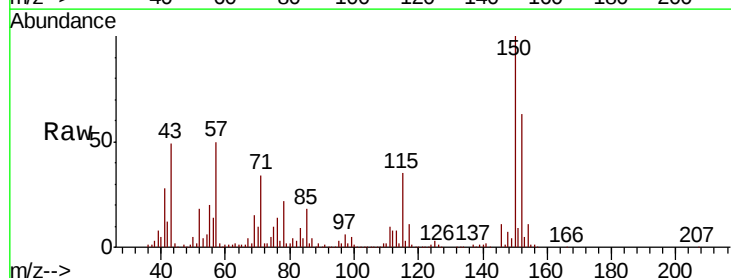
Tgt Ion:152 Resp: 432940

Ion Ratio Lower Upper

152 100

115 55.8 27.8 83.4

150 162.8 0.0 351.4

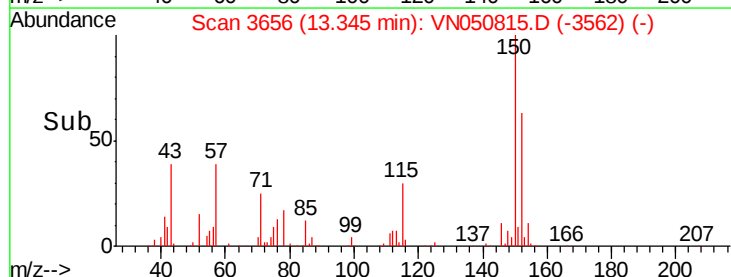
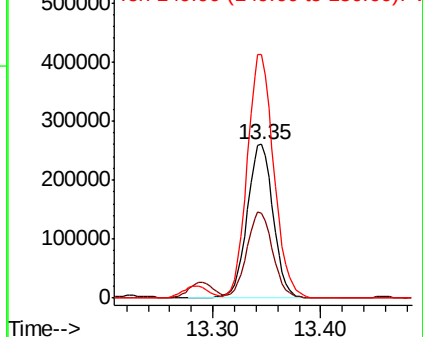


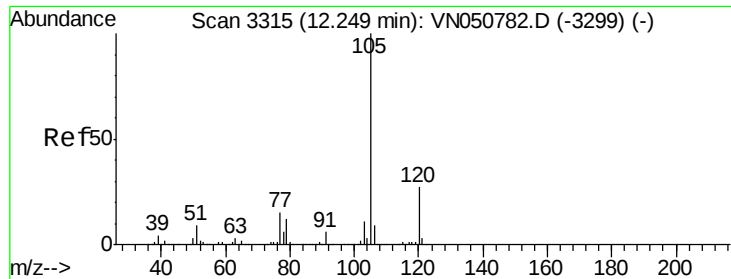
Abundance

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

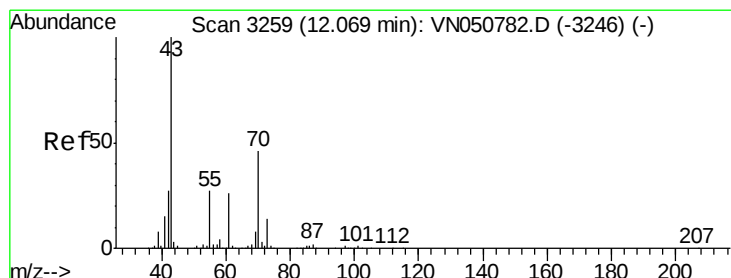
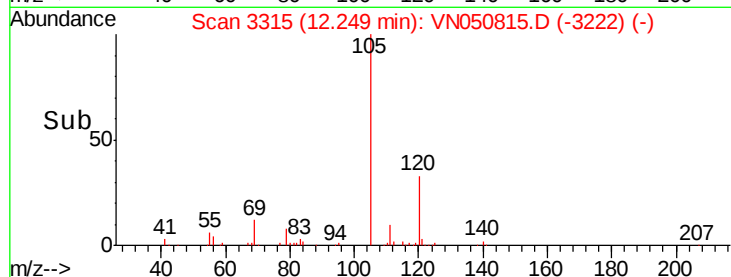
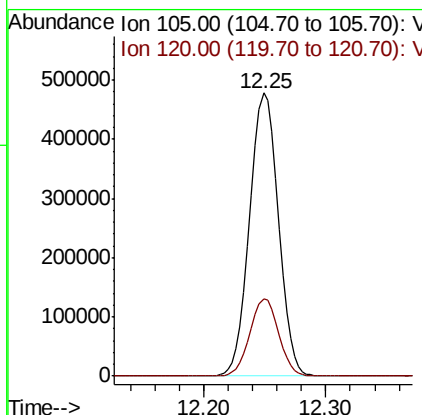
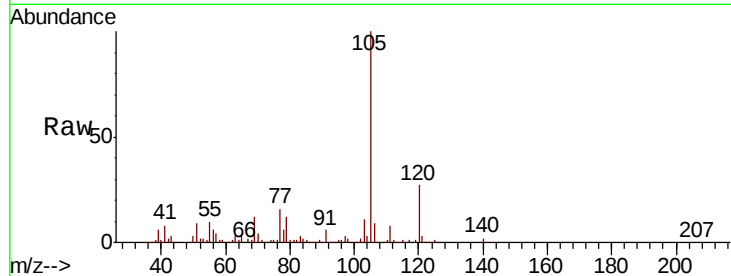




#73
Isopropylbenzene
Concen: 21.66 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

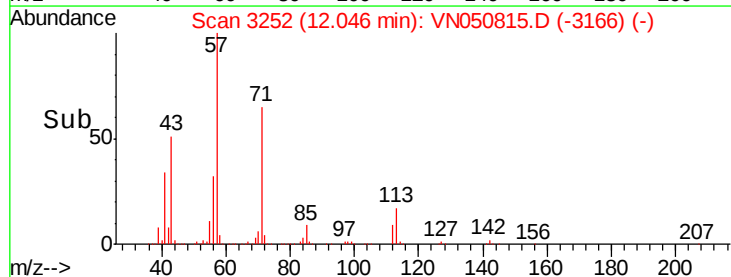
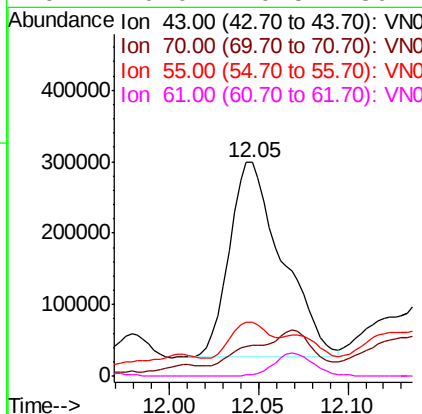
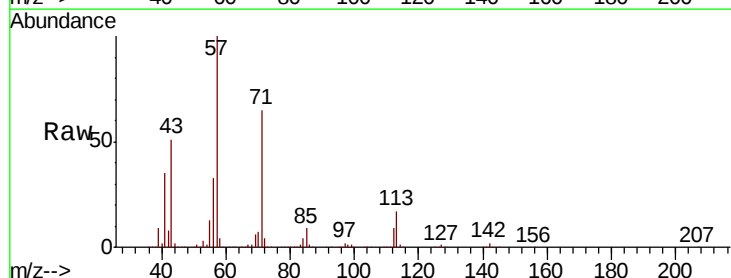
Instrument :
MSVOA_N
ClientSampled :
VN0822MBSD01

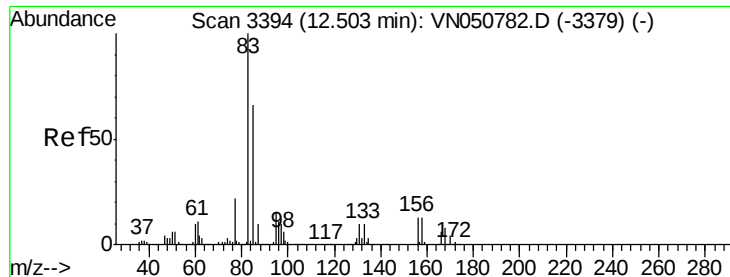
Tot Ion:105 Resp: 776364
Ion Ratio Lower Upper
105 100
120 27.1 13.5 40.4



#74
N-ethyl acetate
Concen: 61.96 ug/l
RT: 12.05 min Scan# 3252
Delta R.T. -0.02 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion: 43 Resp: 558147
Ion Ratio Lower Upper
43 100
70 0.0 36.2 54.2#
55 13.3 21.8 32.8#
61 0.0 20.5 30.7#





#75

1,1,2,2-Tetrachloroethane

Concen: 19.10 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBS01

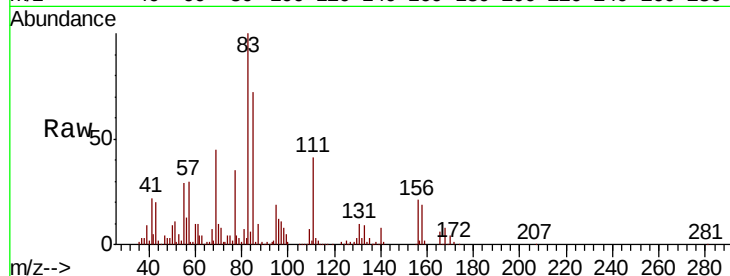
Tot Ion: 83 Resp: 171899

Ion Ratio Lower Upper

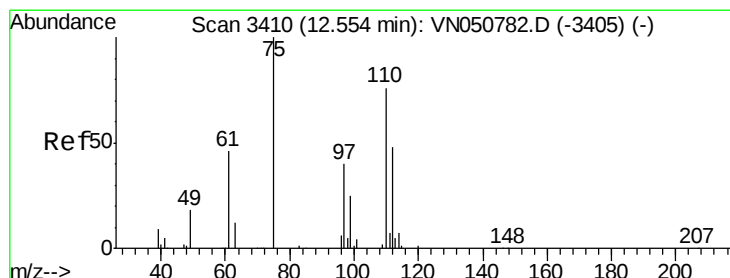
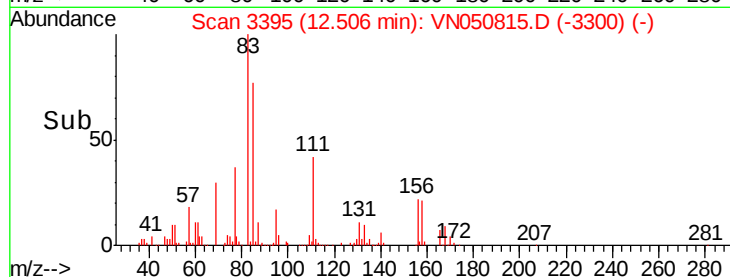
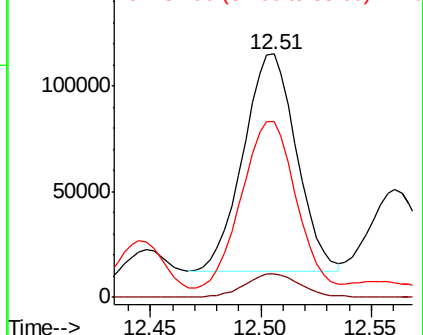
83 100

131 11.3 5.3 15.9

85 77.8 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 28.53 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050815.D

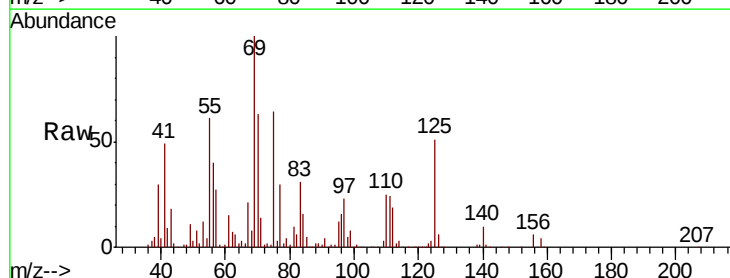
Acq: 22 Aug 2018 13:24

Tgt Ion: 75 Resp: 216371

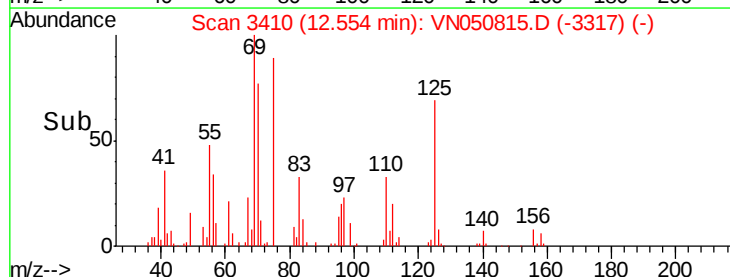
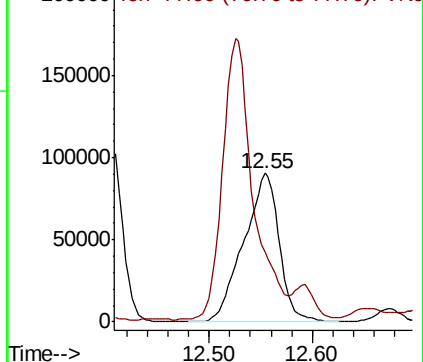
Ion Ratio Lower Upper

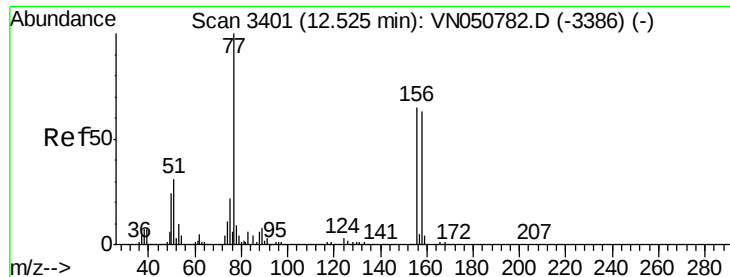
75 100

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): VN





#77

Bromobenzene

Concen: 20.43 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBSD01

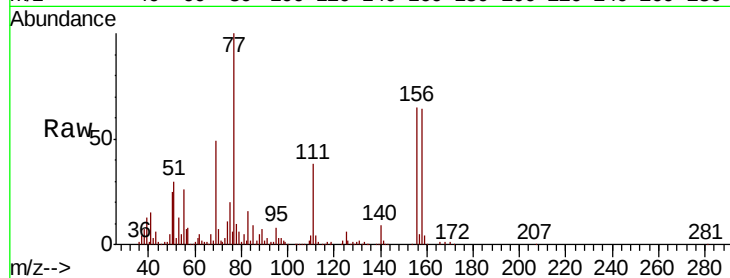
Tot Ion:156 Resp: 199042

Ion Ratio Lower Upper

156 100

77 177.8 89.9 269.7

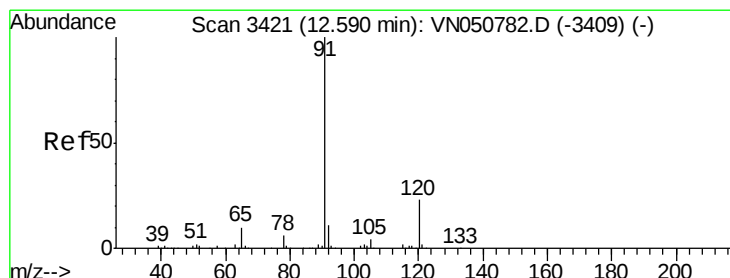
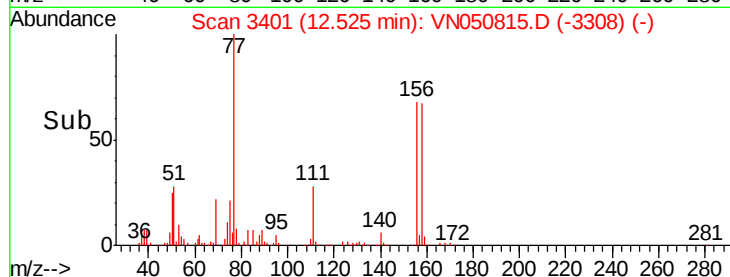
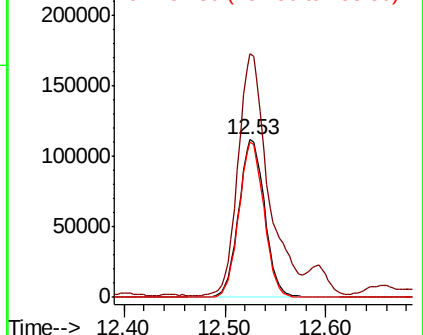
158 94.4 49.3 147.9



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: 21.77 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050815.D

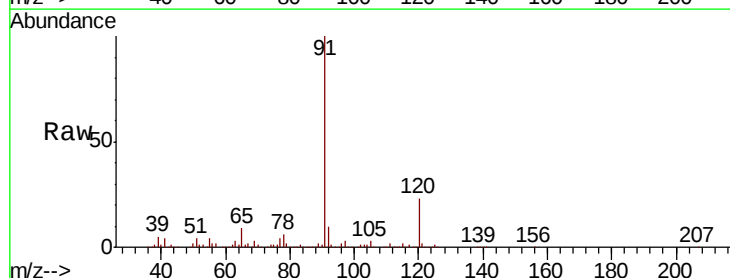
Acq: 22 Aug 2018 13:24

Tgt Ion: 91 Resp: 871716

Ion Ratio Lower Upper

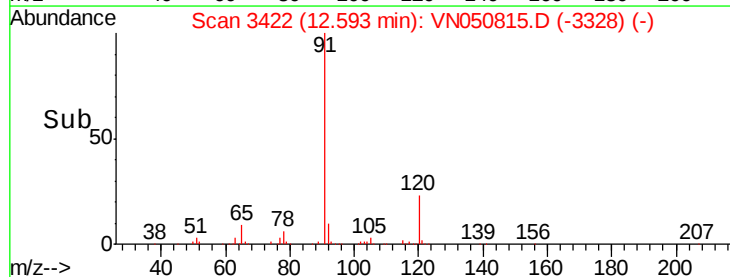
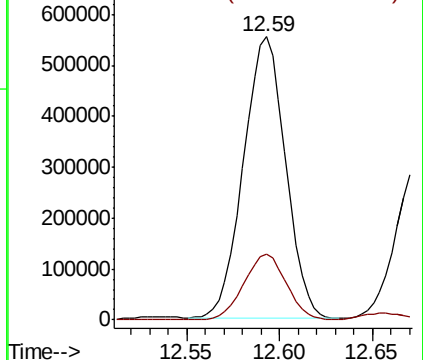
91 100

120 23.5 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: 20.99 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

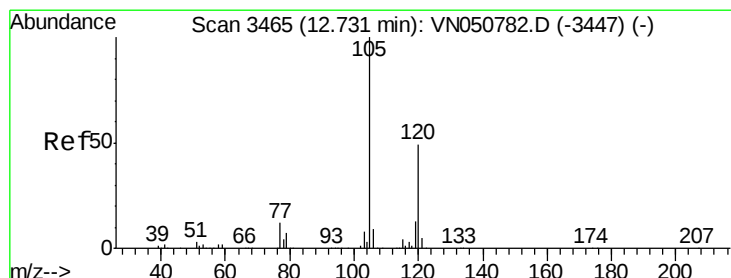
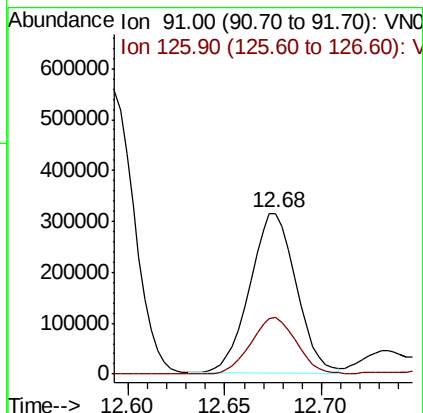
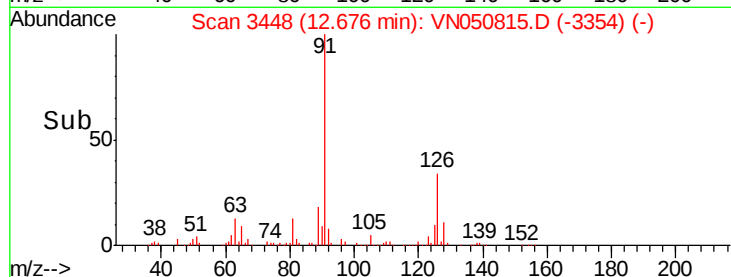
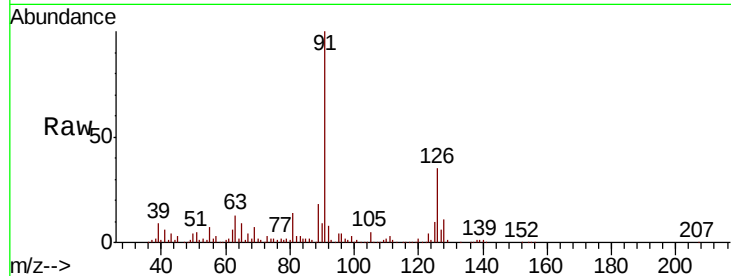
VN0822MBSD01

Tot Ion: 91 Resp: 523638

Ion Ratio Lower Upper

91 100

126 35.1 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 23.38 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050815.D

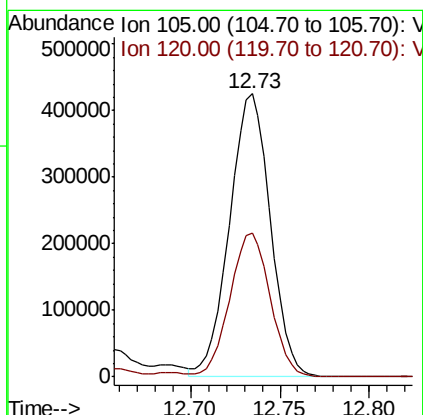
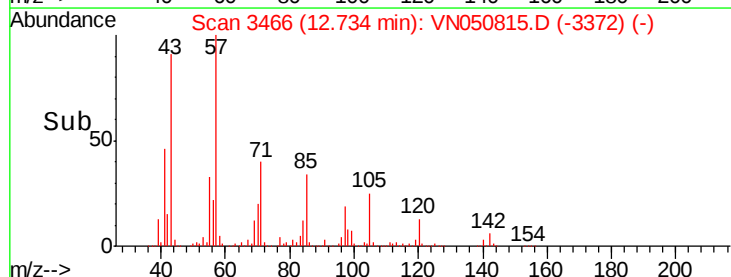
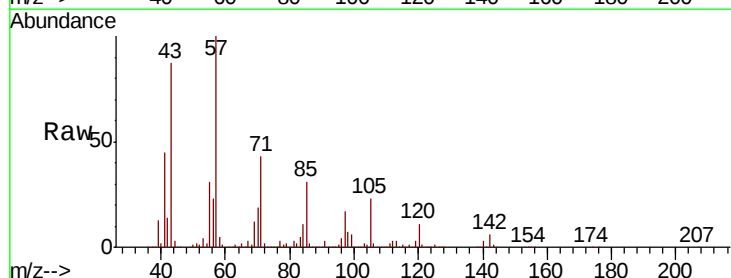
Acq: 22 Aug 2018 13:24

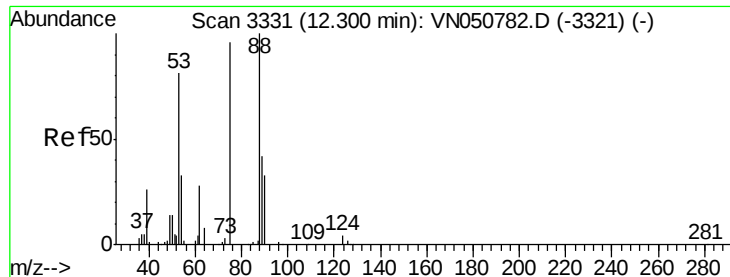
Tgt Ion: 105 Resp: 676267

Ion Ratio Lower Upper

105 100

120 50.3 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.35 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBSD01

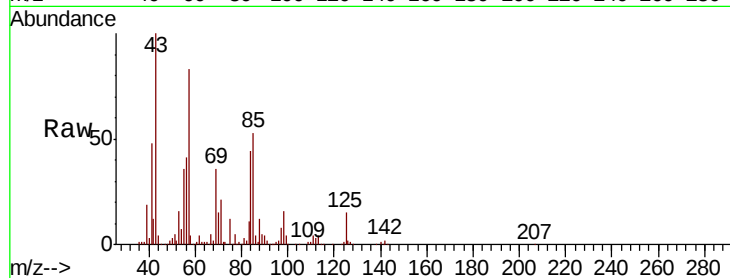
Tot Ion: 75 Resp: 43395

Ion Ratio Lower Upper

75 100

53 111.5 68.9 103.3#

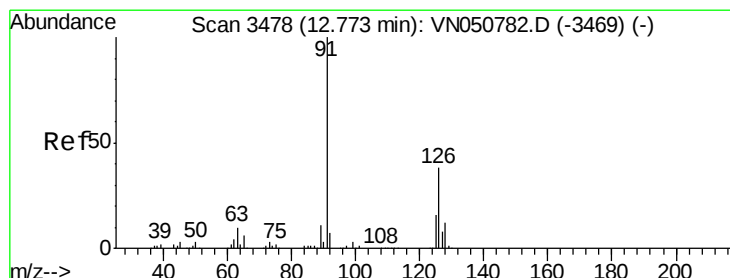
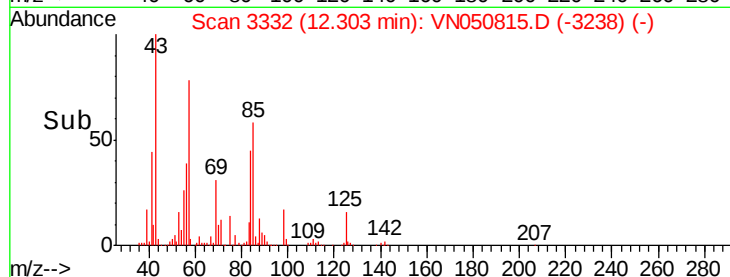
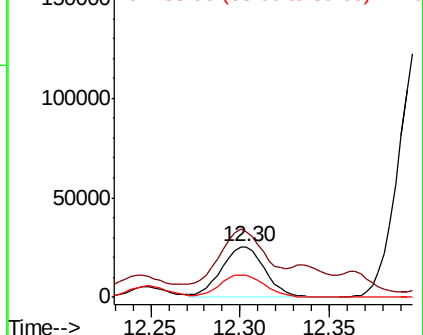
89 45.2 36.1 54.1



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: 20.71 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050815.D

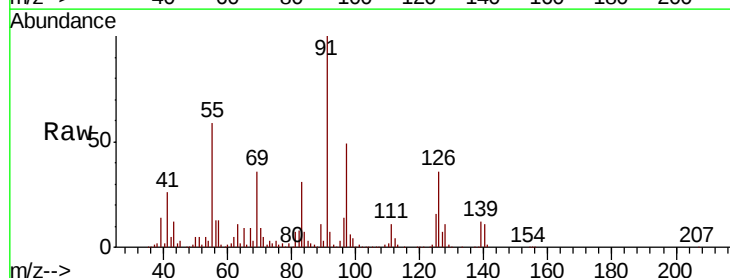
Acq: 22 Aug 2018 13:24

Tgt Ion: 91 Resp: 510040

Ion Ratio Lower Upper

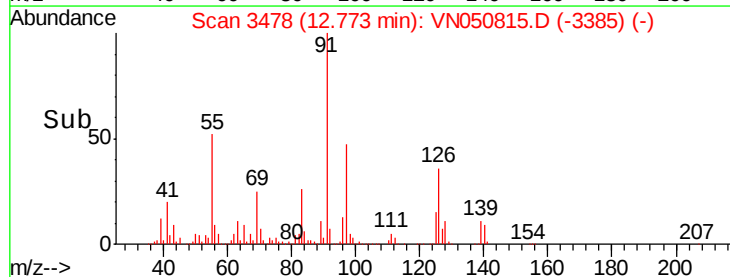
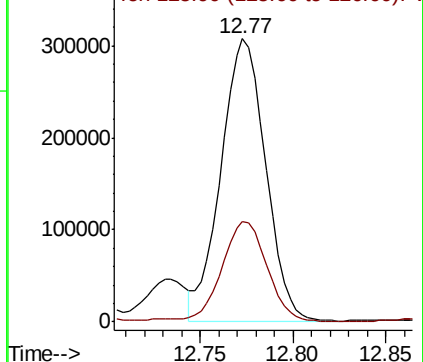
91 100

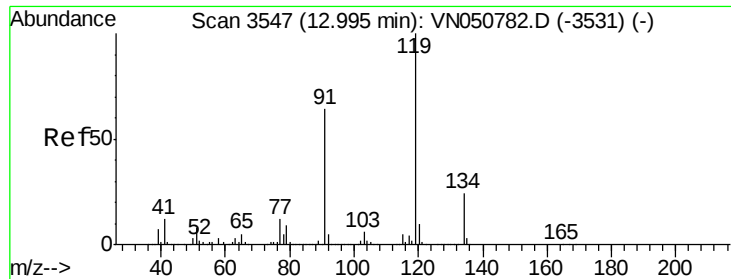
126 36.0 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

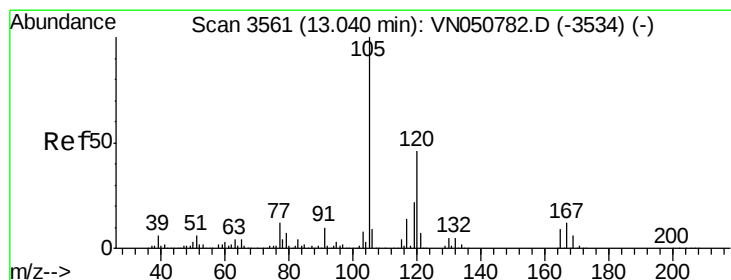
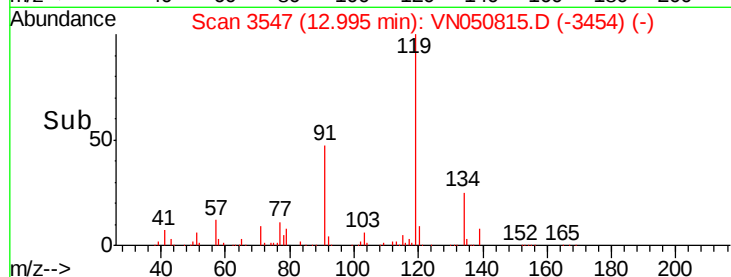
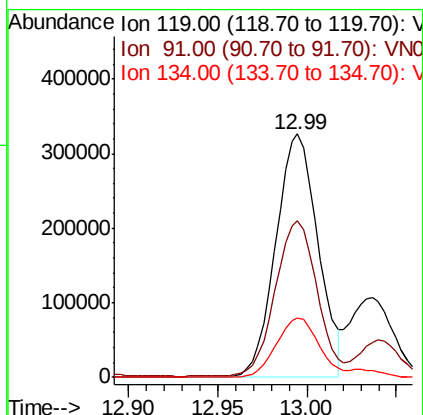
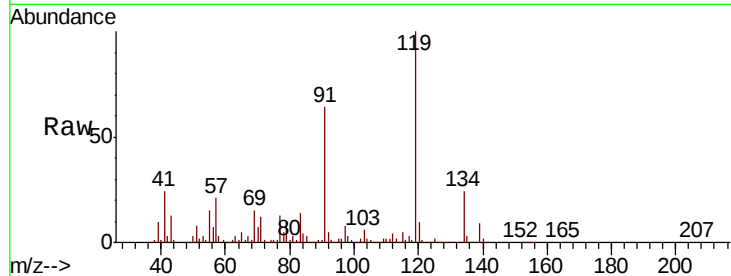




#83
 tert-Butylbenzene
 Concen: 21.41 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

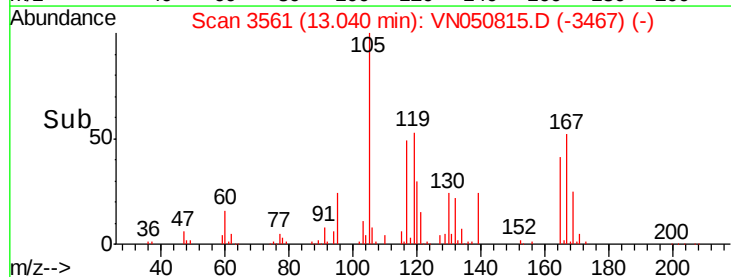
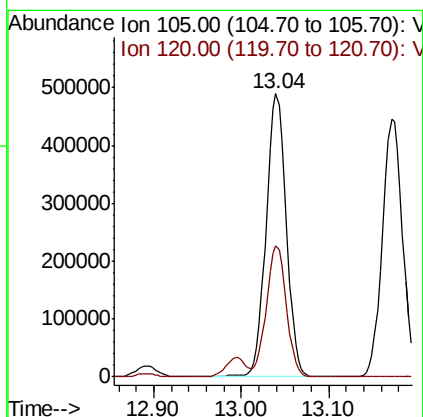
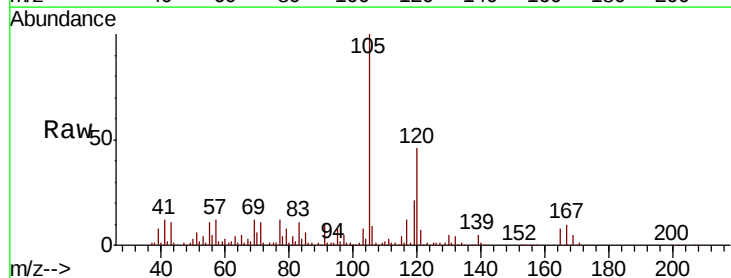
Instrument :
 MSVOA_N
 ClientSampled :
 VN0822MBSD01

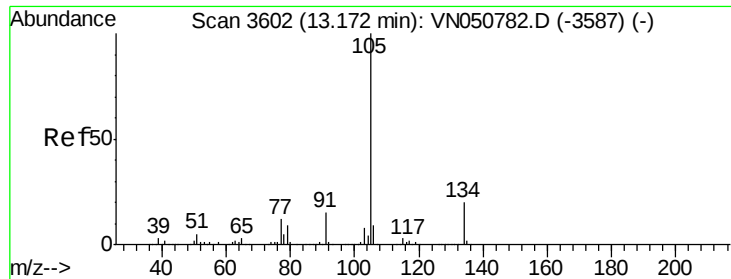
Tot Ion:119 Resp: 536270
 Ion Ratio Lower Upper
 119 100
 91 63.2 31.6 94.7
 134 25.0 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 26.86 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050815.D
 Acq: 22 Aug 2018 13:24

Tgt Ion:105 Resp: 781591
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.9 68.8





#85

sec-Butylbenzene

Concen: 21.62 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

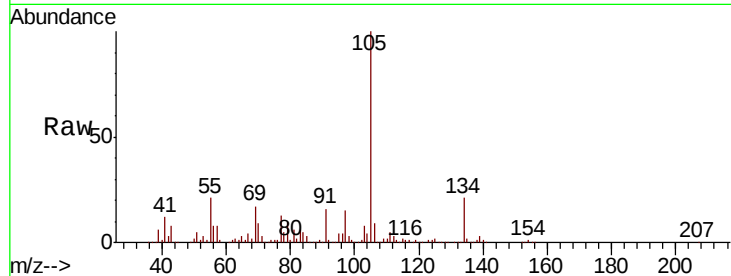
VN0822MBSD01

Tot Ion:105 Resp: 709613

Ion Ratio Lower Upper

105 100

134 20.9 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

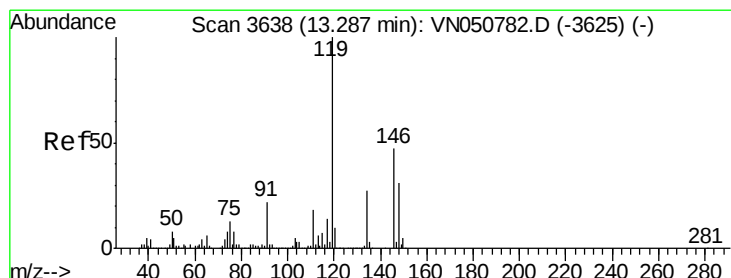
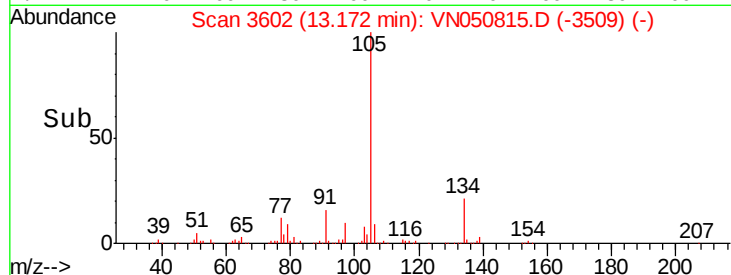
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.18 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

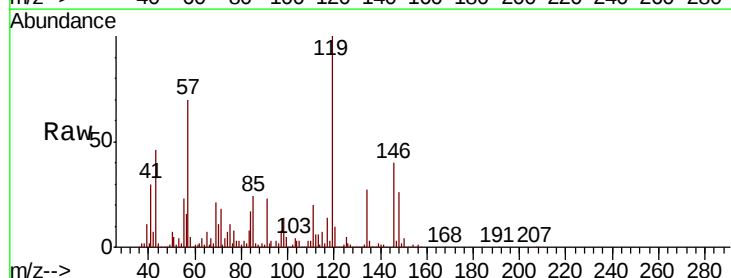
Tgt Ion:119 Resp: 620503

Ion Ratio Lower Upper

119 100

134 26.5 13.7 41.0

91 22.1 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

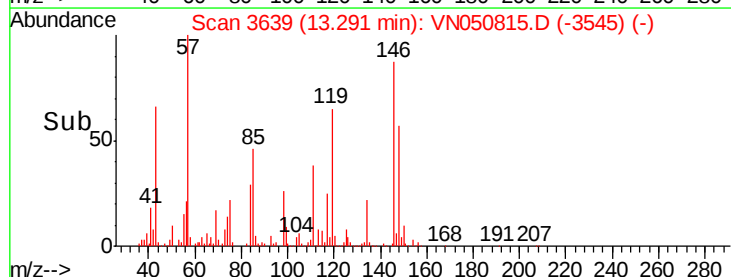
300000

200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.32 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampled :

VN0822MBSD01

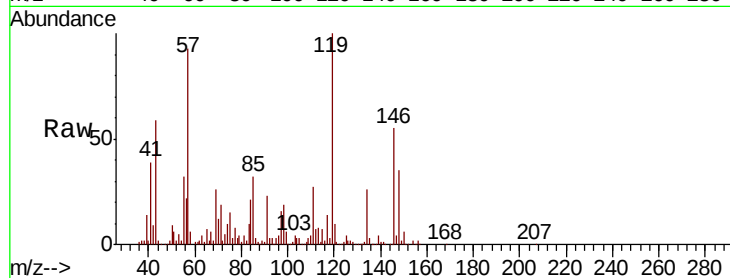
Tot Ion:146 Resp: 319479

Ion Ratio Lower Upper

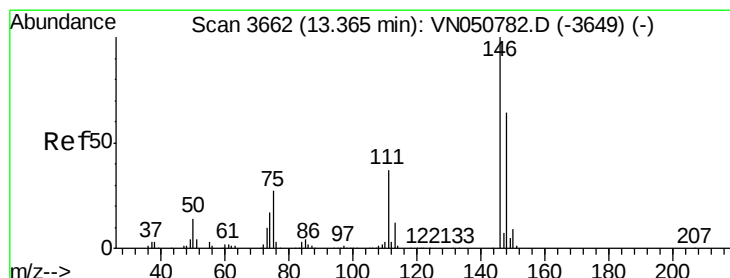
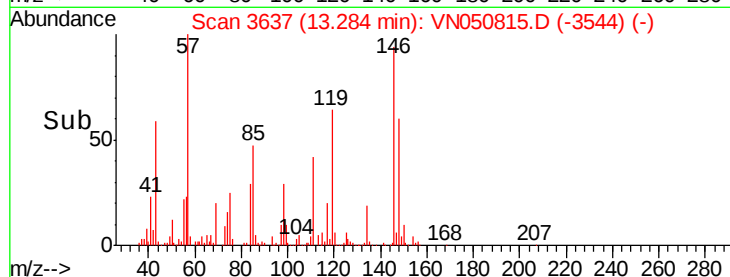
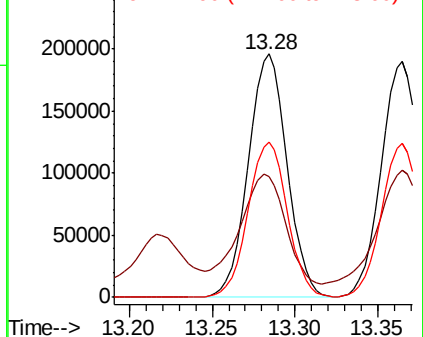
146 100

111 54.1 19.1 57.3

148 64.5 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



#88

1,4-Dichlorobenzene

Concen: 19.29 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

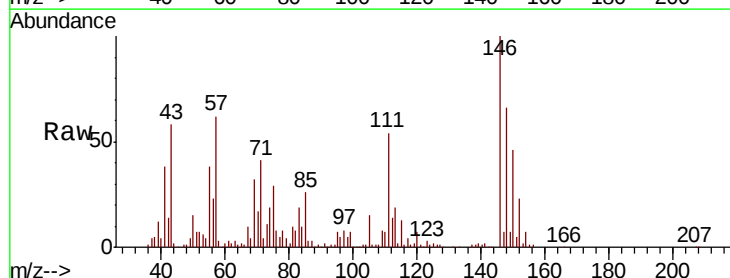
Tgt Ion:146 Resp: 313950

Ion Ratio Lower Upper

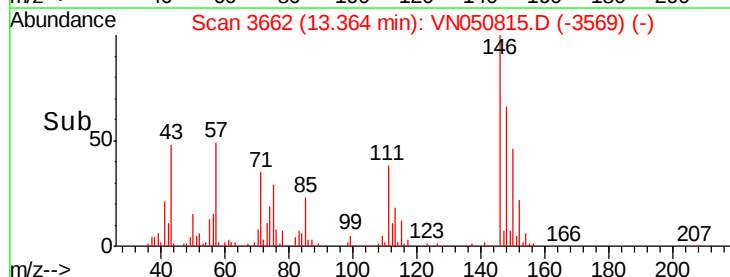
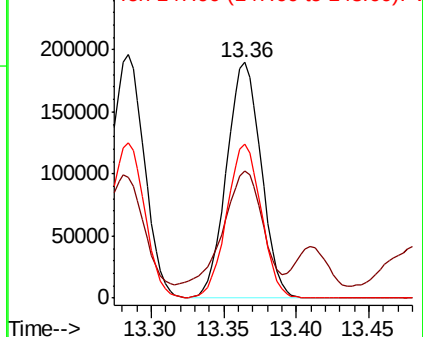
146 100

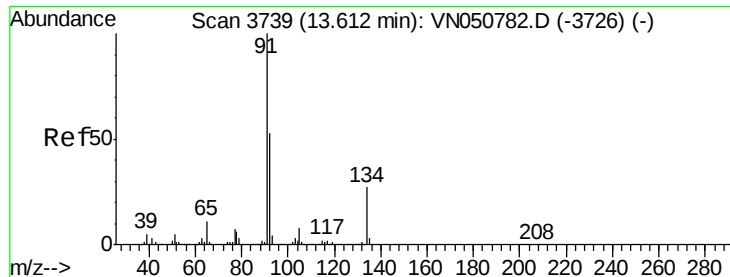
111 52.6 18.8 56.3

148 65.1 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: 22.92 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBSD01

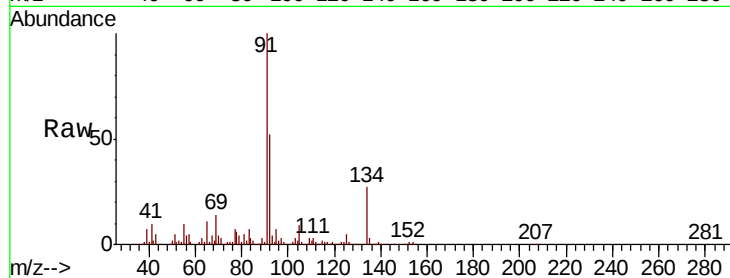
Tot Ion: 91 Resp: 512654

Ion Ratio Lower Upper

91 100

92 52.0 26.1 78.2

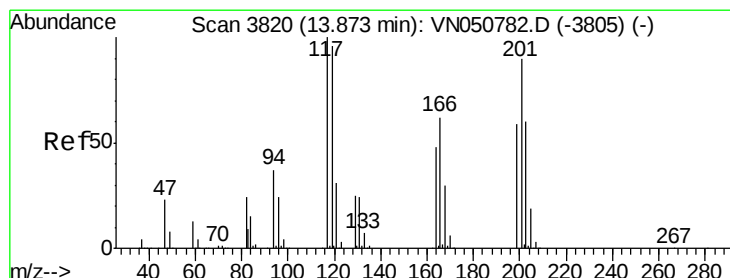
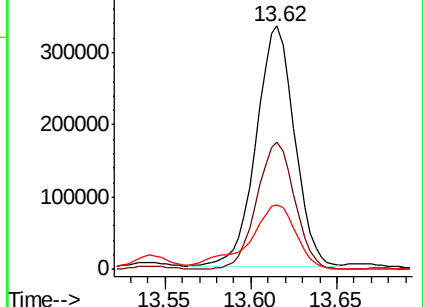
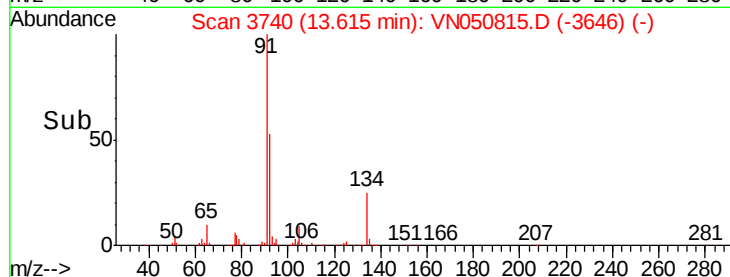
134 33.2 13.2 39.6



Abundance Ion 91.00 (90.70 to 91.70): VN050815.D (-3740) (-)

Ion 92.00 (91.70 to 92.70): VN050815.D (-3740) (-)

Ion 134.00 (133.70 to 134.70): VN050815.D (-3740) (-)



#90

Hexachloroethane

Concen: 18.54 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050815.D

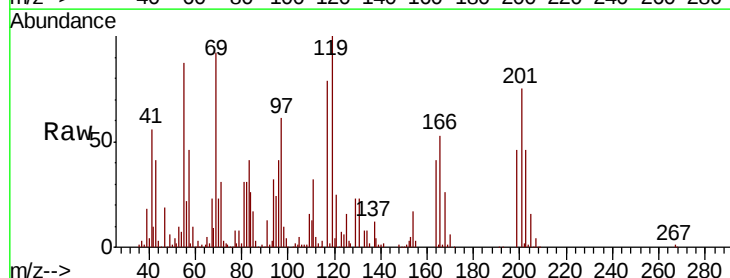
Acq: 22 Aug 2018 13:24

Tgt Ion: 117 Resp: 98216

Ion Ratio Lower Upper

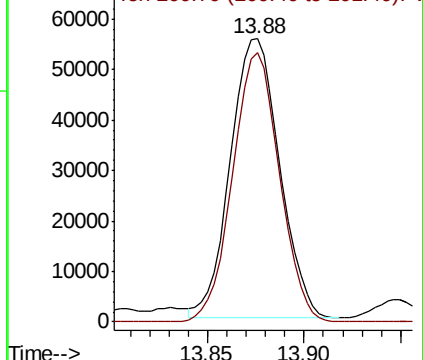
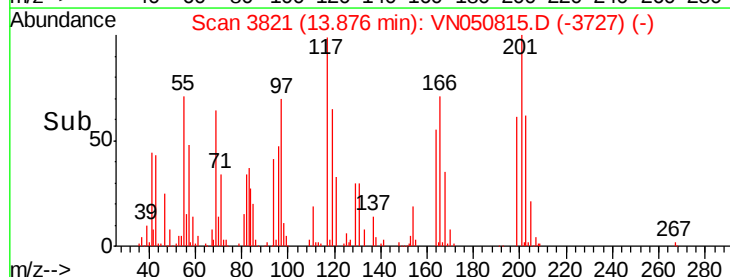
117 100

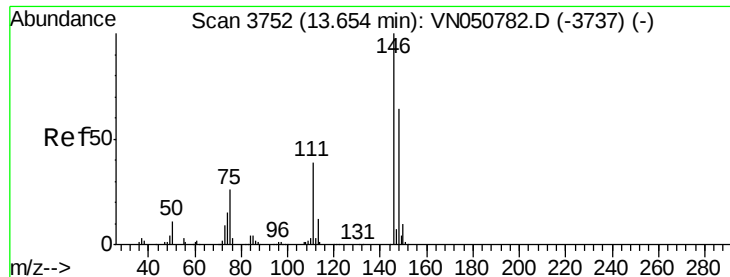
201 91.5 46.0 137.8



Abundance Ion 116.80 (116.50 to 117.50): VN050815.D (-3821) (-)

Ion 200.70 (200.40 to 201.40): VN050815.D (-3821) (-)





#91

1,2-Dichlorobenzene

Concen: 19.57 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBSD01

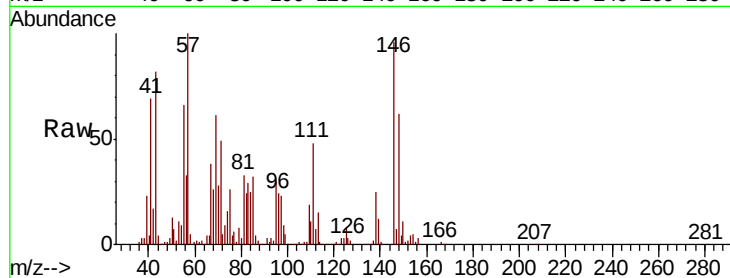
Tot Ion:146 Resp: 312088

Ion Ratio Lower Upper

146 100

111 66.2 19.8 59.3#

148 64.4 32.3 96.8

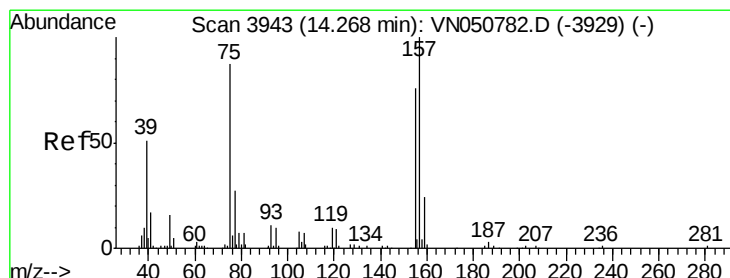
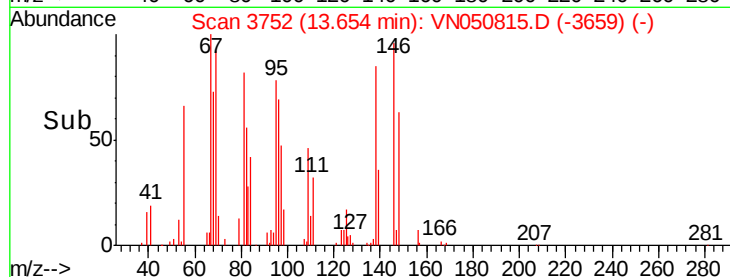
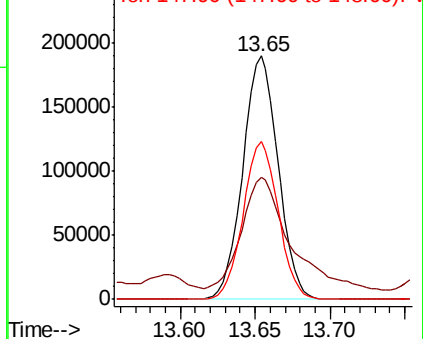


Abundance

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: 19.77 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

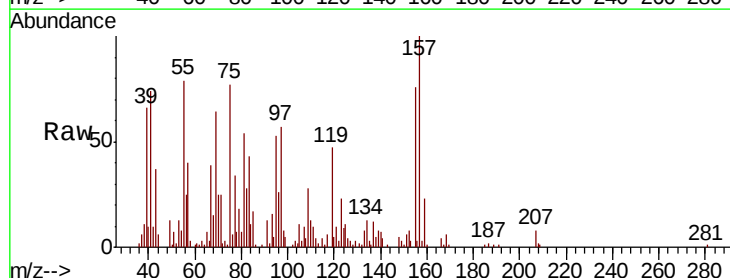
Tgt Ion: 75 Resp: 25448

Ion Ratio Lower Upper

75 100

155 105.8 46.4 139.1

157 128.5 60.7 182.0

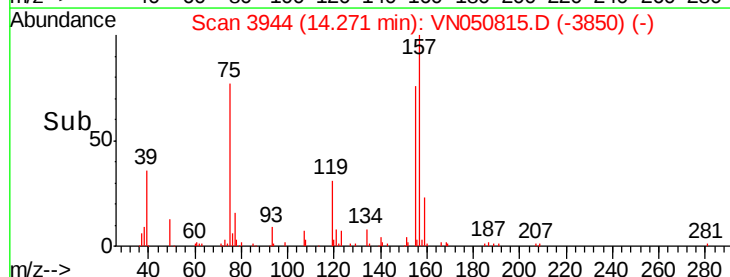
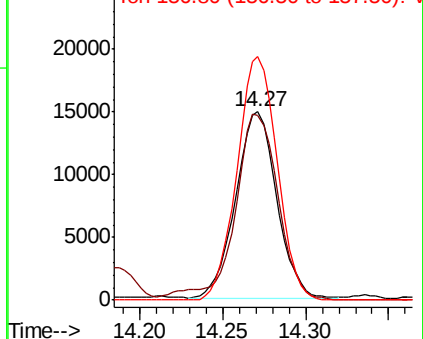


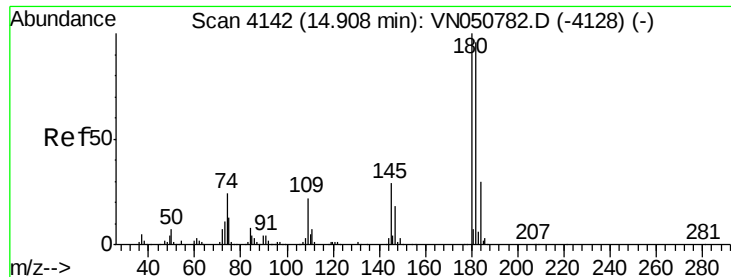
Abundance

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: 20.60 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBSD01

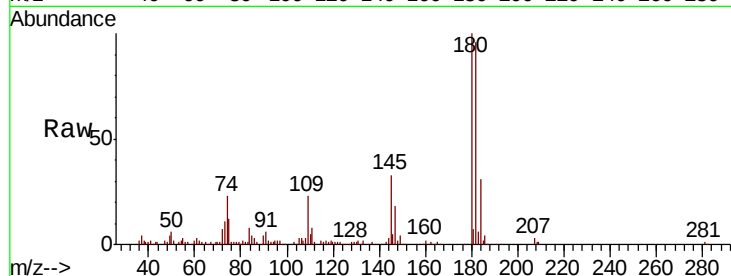
Tot Ion:180 Resp: 149268

Ion Ratio Lower Upper

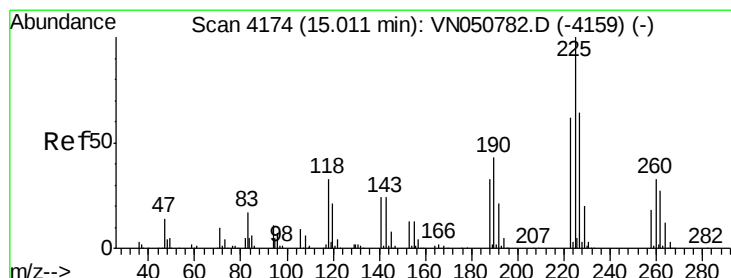
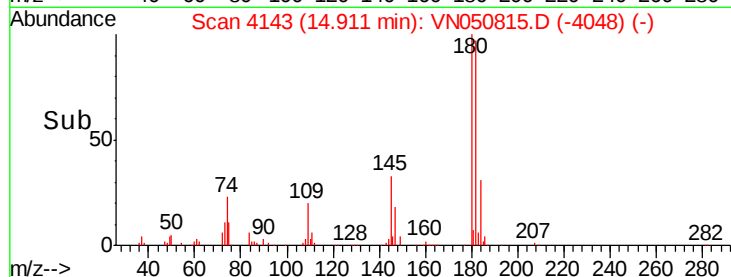
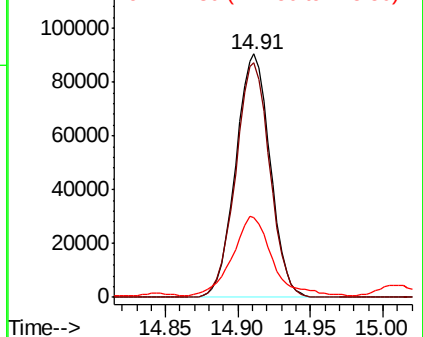
180 100

182 95.4 48.2 144.6

145 39.3 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: 18.26 ug/l

RT: 15.01 min Scan# 4174

Delta R.T. 0.00 min

Lab File: VN050815.D

Acq: 22 Aug 2018 13:24

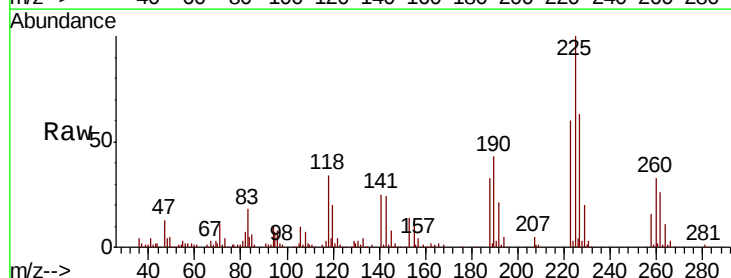
Tgt Ion:225 Resp: 89706

Ion Ratio Lower Upper

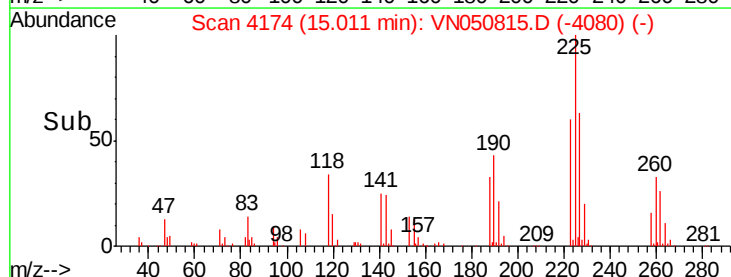
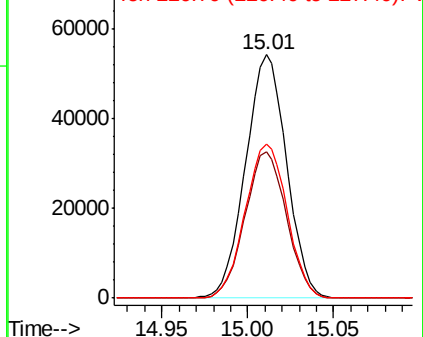
225 100

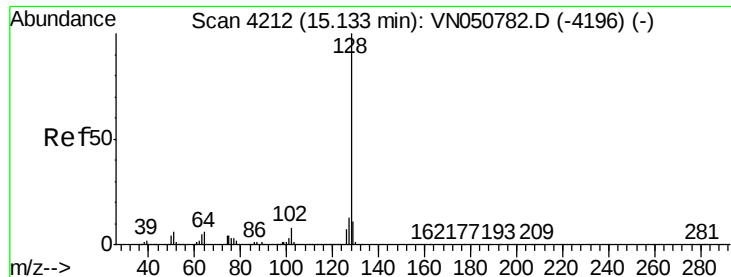
223 60.8 31.3 93.8

227 64.4 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

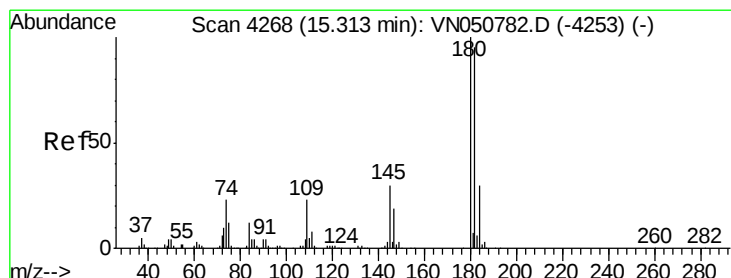
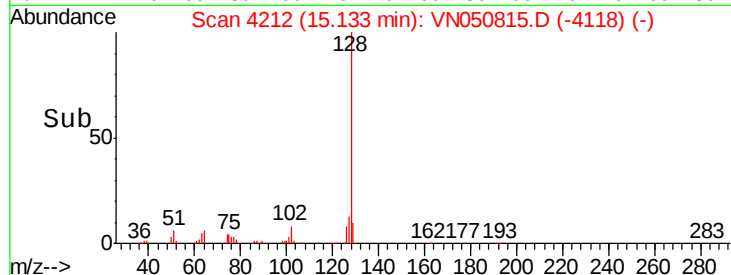
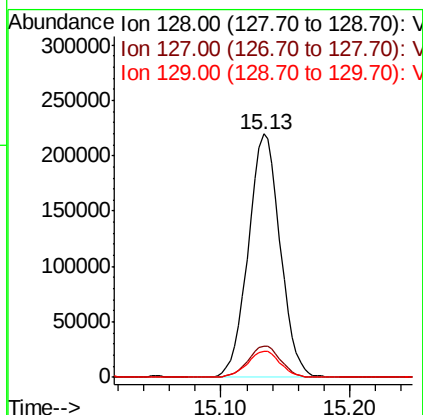
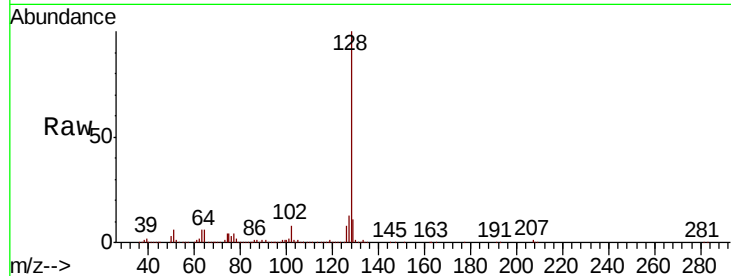




#95
Naphthalene
Concen: 24.90 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0822MBSD01

Tot Ion:128 Resp: 378116
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.78 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050815.D
Acq: 22 Aug 2018 13:24

Tgt Ion:180 Resp: 145628
Ion Ratio Lower Upper
180 100
182 95.9 48.0 144.2
145 33.1 15.2 45.6

