

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101819\
 Data File : VN058844.D
 Acq On : 18 Oct 2019 9:15
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Oct 18 23:52:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 18 23:49:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	365896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	596399	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	548203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	236972	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	28220	5.46	ug/l	0.00
Spiked Amount			Recovery	=	10.92%	
35) Dibromofluoromethane	7.57	113	19492	5.23	ug/l	0.00
Spiked Amount			Recovery	=	10.46%	
50) Toluene-d8	10.08	98	72285	4.87	ug/l	0.00
Spiked Amount			Recovery	=	9.74%	
62) 4-Bromofluorobenzene	12.40	95	24344	4.36	ug/l	0.00
Spiked Amount			Recovery	=	8.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	23065	5.072	ug/l	98
3) Chloromethane	2.04	50	28512	5.214	ug/l	97
4) Vinyl Chloride	2.17	62	28614	5.259	ug/l	98
5) Bromomethane	2.54	94	18553	5.540	ug/l	100
6) Chloroethane	2.68	64	18804	5.573	ug/l	99
7) Trichlorofluoromethane	3.00	101	37450	5.674	ug/l	98
8) Diethyl Ether	3.39	74	11935	5.001	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.73	101	20782	5.599	ug/l	97
10) Methyl Iodide	3.93	142	24246	4.822	ug/l	99
11) Tert butyl alcohol	4.76	59	23713	28.094	ug/l #	77
12) 1,1-Dichloroethene	3.71	96	18062	5.118	ug/l	97
13) Acrolein	3.58	56	11900	17.942	ug/l	99
14) Allyl chloride	4.30	41	37842	5.289	ug/l	97
15) Acrylonitrile	4.96	53	57479	27.043	ug/l	98
16) Acetone	3.80	43	61976	27.743	ug/l	98
17) Carbon Disulfide	4.02	76	57896	5.100	ug/l	99
18) Methyl Acetate	4.30	43	32298	5.922	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	32020	2.542	ug/l	96
20) Methylene Chloride	4.53	84	23818	5.349	ug/l	92
21) trans-1,2-Dichloroethene	5.01	96	20220	5.126	ug/l	100
22) Diisopropyl ether	5.92	45	70419	5.051	ug/l	89
23) Vinyl Acetate	5.87	43	277588	24.669	ug/l	98
24) 1,1-Dichloroethane	5.82	63	42448	5.371	ug/l	98
25) 2-Butanone	6.81	43	85492	27.117	ug/l	100
26) 2,2-Dichloropropane	6.81	77	36581	5.076	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	23139	5.018	ug/l	97
28) Bromochloromethane	7.17	49	14637	5.332	ug/l	98
29) Tetrahydrofuran	7.19	42	51082	25.316	ug/l	99
30) Chloroform	7.35	83	42796	5.373	ug/l	97
31) Cyclohexane	7.63	56	41745	5.505	ug/l #	89
32) 1,1,1-Trichloroethane	7.55	97	36460	5.384	ug/l	98
36) 1,1-Dichloropropene	7.77	75	29289	4.809	ug/l	99
37) Ethyl Acetate	6.91	43	31370	5.037	ug/l	97
38) Carbon Tetrachloride	7.75	117	32065	5.403	ug/l	99

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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Oct 18 23:52:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 18 23:49:30 2019
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.07	83	31856	4.532	ug/l	97
40) Benzene	8.02	78	89196	5.088	ug/l	96
41) Methacrylonitrile	7.19	41	48710	17.239	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	35400	5.263	ug/l	98
43) Isopropyl Acetate	8.15	43	51097	4.854	ug/l	94
44) Trichloroethene	8.82	130	22823	5.272	ug/l	89
45) 1,2-Dichloropropane	9.10	63	24354	5.183	ug/l	95
46) Dibromomethane	9.20	93	15840	5.335	ug/l	96
47) Bromodichloromethane	9.39	83	32207	5.316	ug/l	98
48) Methyl methacrylate	9.19	41	21434	4.479	ug/l	96
49) 1,4-Dioxane	9.19	88	8064	108.308	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	153842	25.848	ug/l	99
52) Toluene	10.15	92	50251	4.697	ug/l	93
53) t-1,3-Dichloropropene	10.38	75	32893	4.737	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	35993	4.875	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	22538	5.144	ug/l	96
56) Ethyl methacrylate	10.43	69	27429	4.285	ug/l	96
57) 1,3-Dichloropropane	10.70	76	37902	5.065	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	61571	20.336	ug/l	98
59) 2-Hexanone	10.75	43	112593	24.404	ug/l	96
60) Dibromochloromethane	10.90	129	22562	4.987	ug/l	98
61) 1,2-Dibromoethane	11.00	107	21891	4.984	ug/l	99
64) Tetrachloroethene	10.63	164	19011	4.926	ug/l	96
65) Chlorobenzene	11.43	112	54447	4.862	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	21447	5.175	ug/l	100
67) Ethyl Benzene	11.51	91	93837	4.702	ug/l	100
68) m/p-Xylenes	11.62	106	65465	8.744	ug/l	97
69) o-Xylene	11.95	106	31083	4.296	ug/l	99
70) Styrene	11.97	104	48314	4.076	ug/l	99
71) Bromoform	12.13	173	15204	4.971	ug/l #	97
73) Isopropylbenzene	12.25	105	84544	4.890	ug/l	100
74) N-amyl acetate	12.07	43	35643	4.552	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	31581	5.501	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	42975	8.058	ug/l #	100
77) Bromobenzene	12.53	156	22119	5.250	ug/l	97
78) n-propylbenzene	12.59	91	100574	4.986	ug/l	98
79) 2-Chlorotoluene	12.68	91	62414	4.986	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	68137	4.616	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	9425	4.743	ug/l	94
82) 4-Chlorotoluene	12.78	91	62831	4.894	ug/l	97
83) tert-Butylbenzene	13.00	119	60406	4.778	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	67918	4.629	ug/l	100
85) sec-Butylbenzene	13.17	105	79461	4.765	ug/l	98
86) p-Isopropyltoluene	13.29	119	66411	4.393	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	38947	5.030	ug/l	96
88) 1,4-Dichlorobenzene	13.37	146	37971	4.817	ug/l	94
89) n-Butylbenzene	13.62	91	61124	4.372	ug/l	98
90) Hexachloroethane	13.88	117	15110	5.531	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	36422	4.816	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	6736	5.009	ug/l	92

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Oct 18 23:52:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 18 23:49:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	17225	3.769	ug/l	98
94) Hexachlorobutadiene	15.01	225	12753	5.250	ug/l	97
95) Naphthalene	15.13	128	43883	3.348	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	16253	3.635	ug/l	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

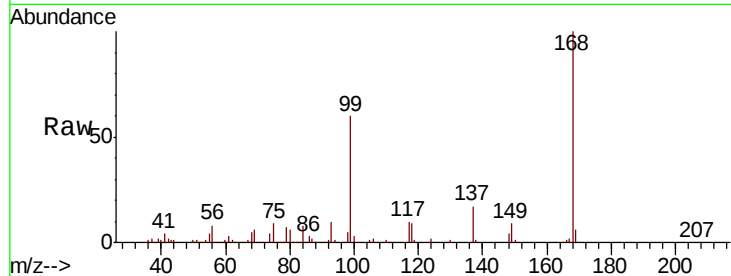
VSTDIC005

Tot Ion:168 Resp: 365896

Ion Ratio Lower Upper

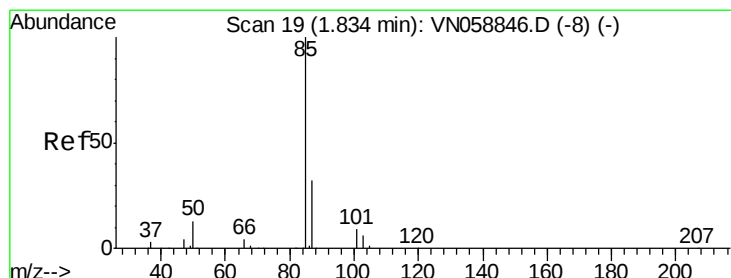
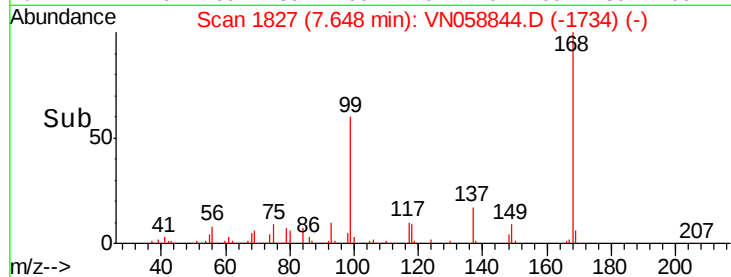
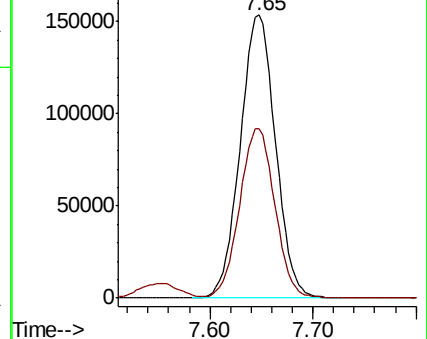
168 100

99 59.9 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 5.072 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058844.D

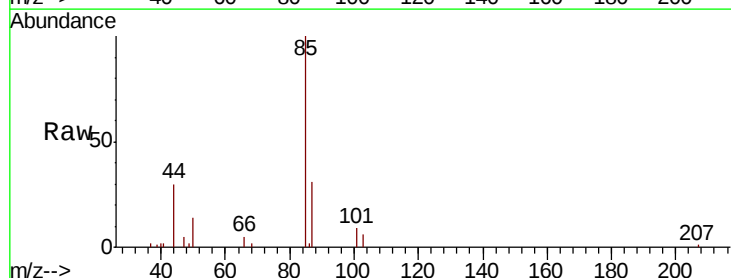
Acq: 18 Oct 2019 9:15

Tgt Ion: 85 Resp: 23065

Ion Ratio Lower Upper

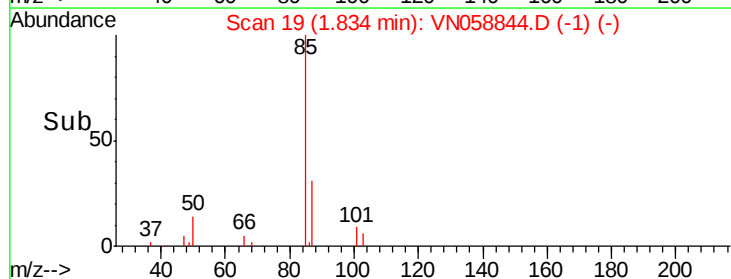
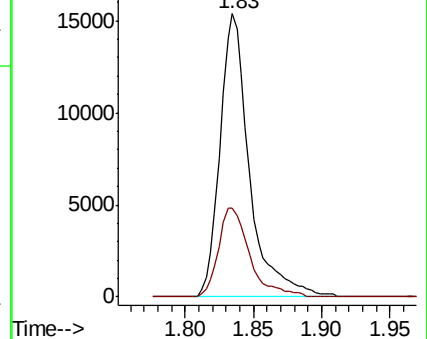
85 100

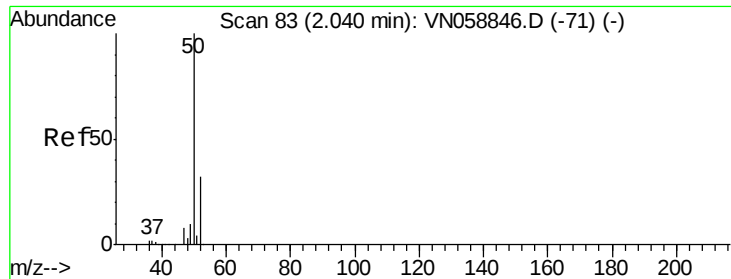
87 31.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 5.214 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

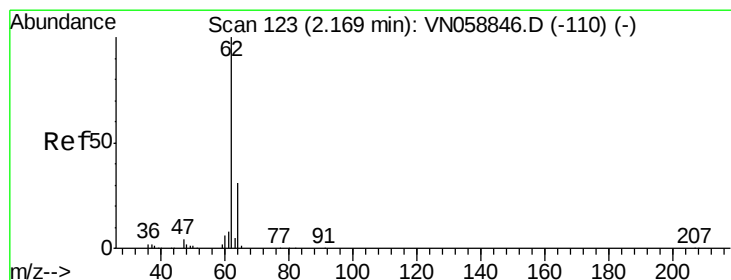
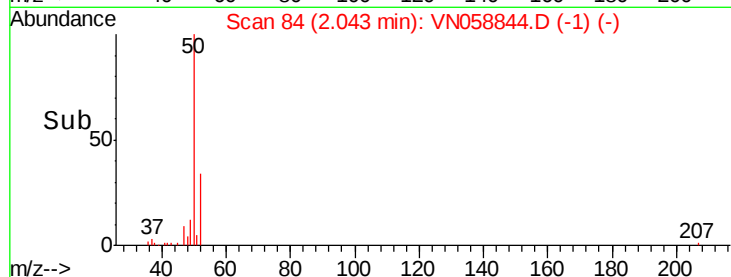
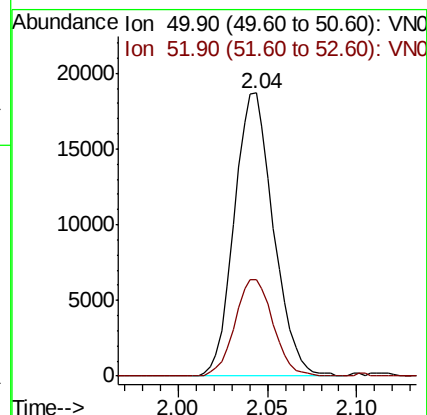
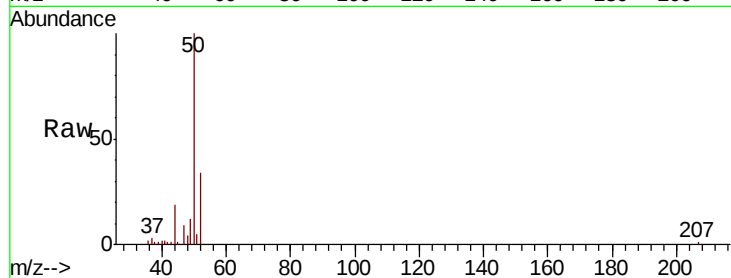
VSTDIC005

Tot Ion: 50 Resp: 28512

Ion Ratio Lower Upper

50 100

52 34.0 25.7 38.5



#4

Vinyl Chloride

Concen: 5.259 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058844.D

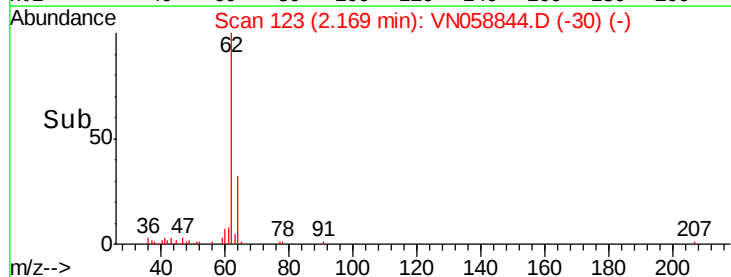
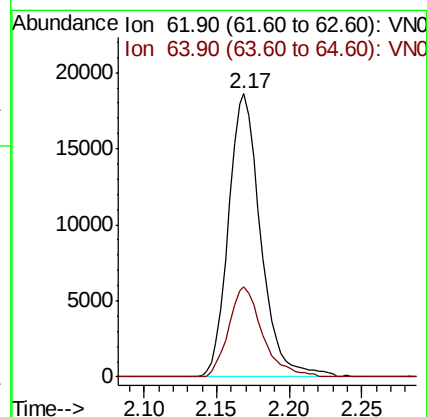
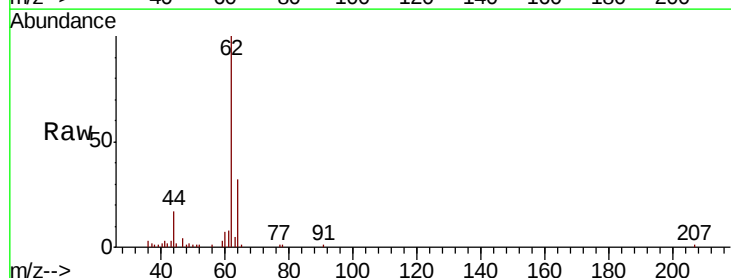
Acq: 18 Oct 2019 9:15

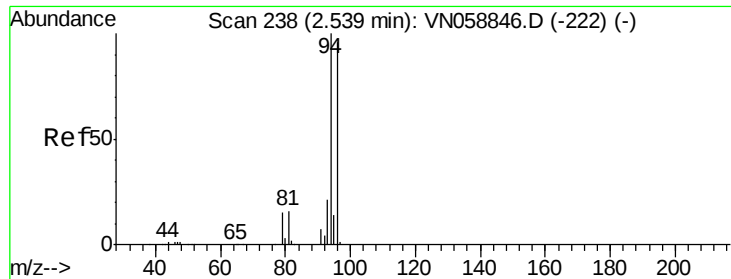
Tgt Ion: 62 Resp: 28614

Ion Ratio Lower Upper

62 100

64 31.8 24.6 36.8





#5

Bromomethane

Concen: 5.540 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

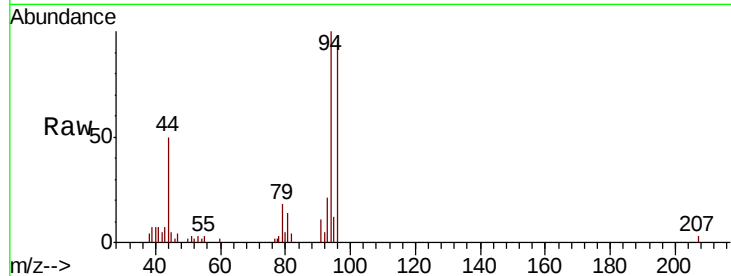
VSTDIC005

Tot Ion: 94 Resp: 18553

Ion Ratio Lower Upper

94 100

96 96.2 77.0 115.6

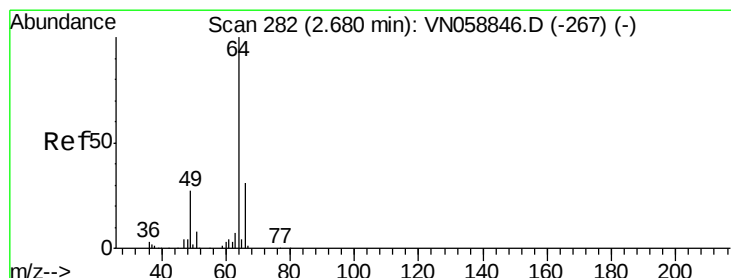
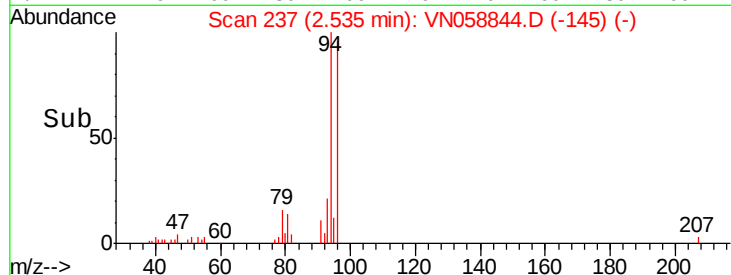


Abundance Ion 93.90 (93.60 to 94.60): VN058844.D (-222) (-)

Ion 95.90 (95.60 to 96.60): VN058844.D (-222) (-)

2.54

Time-->



#6

Chloroethane

Concen: 5.573 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN058844.D

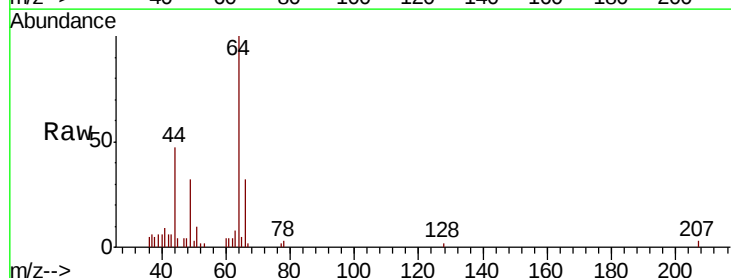
Acq: 18 Oct 2019 9:15

Tgt Ion: 64 Resp: 18804

Ion Ratio Lower Upper

64 100

66 32.0 25.0 37.4

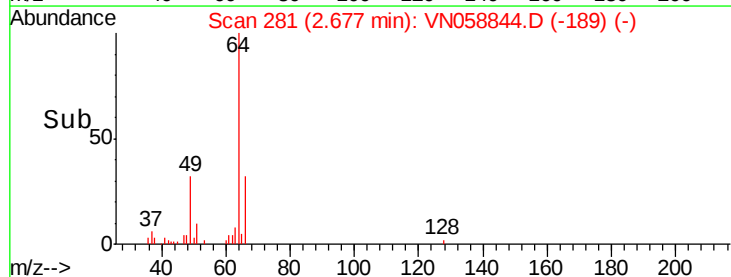


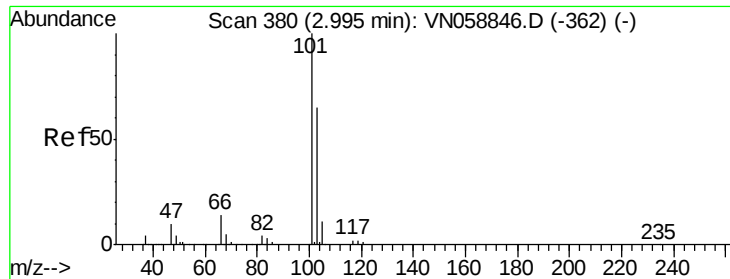
Abundance Ion 63.90 (63.60 to 64.60): VN058844.D (-267) (-)

Ion 65.90 (65.60 to 66.60): VN058844.D (-267) (-)

2.68

Time-->





#7

Trichlorofluoromethane

Concen: 5.674 ug/l

RT: 3.00 min Scan# 380

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

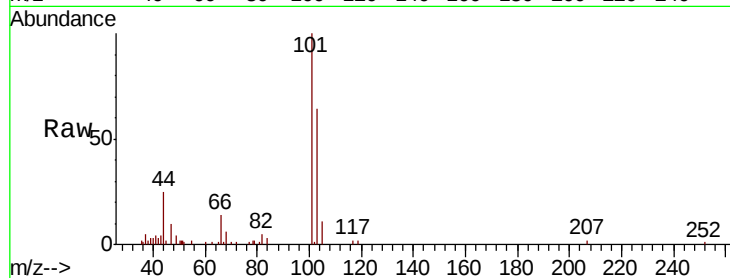
VSTDIC005

Tot Ion:101 Resp: 37450

Ion Ratio Lower Upper

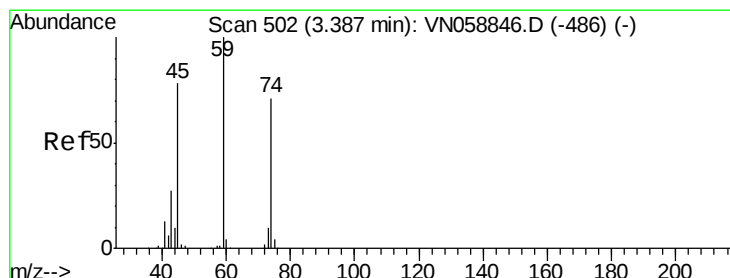
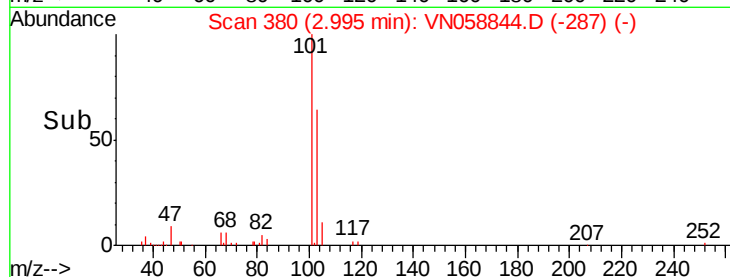
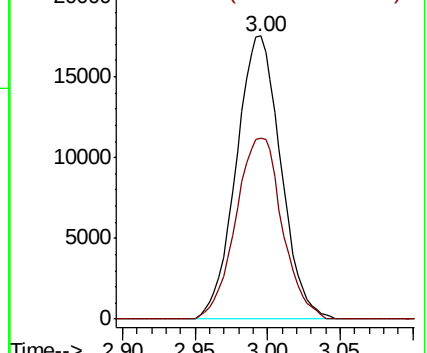
101 100

103 64.0 52.2 78.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 5.001 ug/l

RT: 3.39 min Scan# 503

Delta R.T. 0.00 min

Lab File: VN058844.D

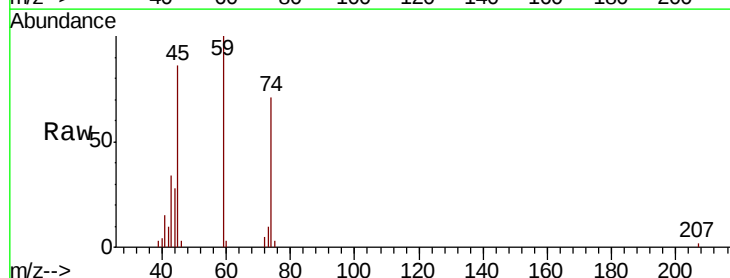
Acq: 18 Oct 2019 9:15

Tgt Ion: 74 Resp: 11935

Ion Ratio Lower Upper

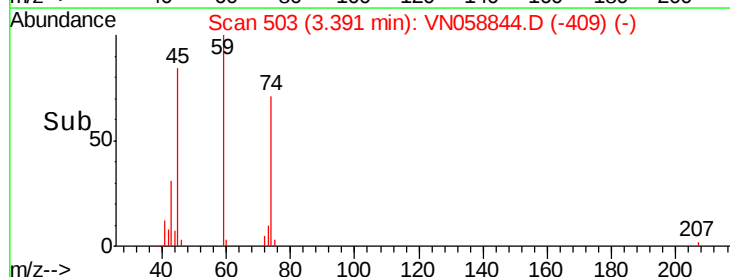
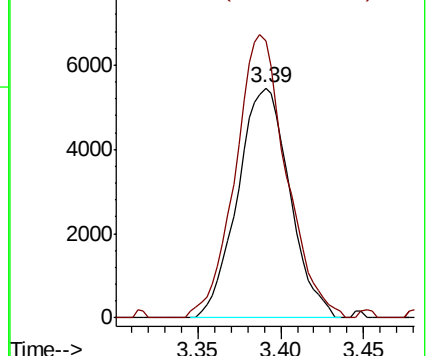
74 100

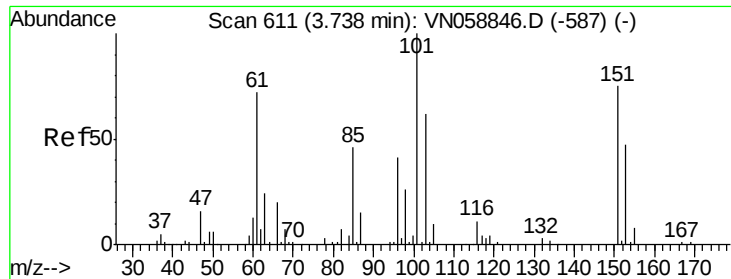
45 120.9 54.9 164.5



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.599 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.01 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

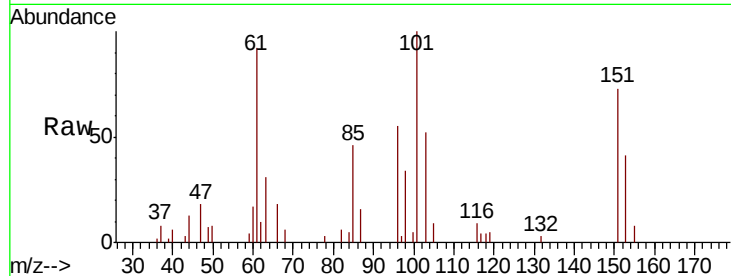
Tot Ion:101 Resp: 20782

Ion Ratio Lower Upper

101 100

85 46.0 37.2 55.8

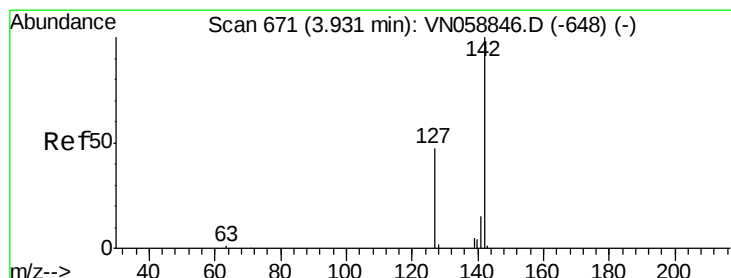
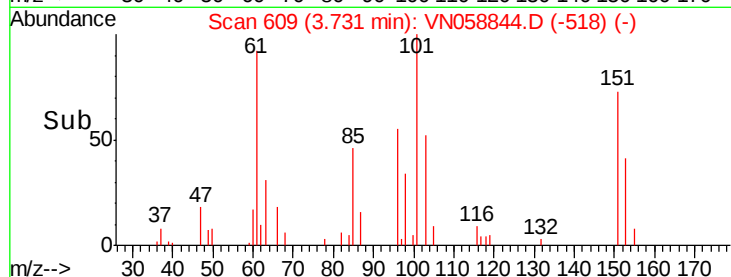
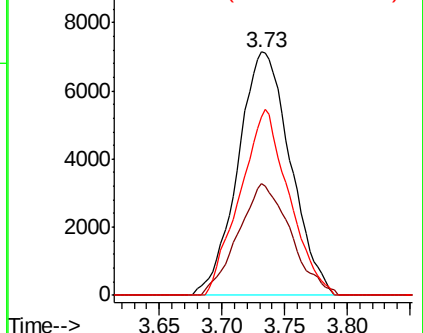
151 71.3 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.822 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

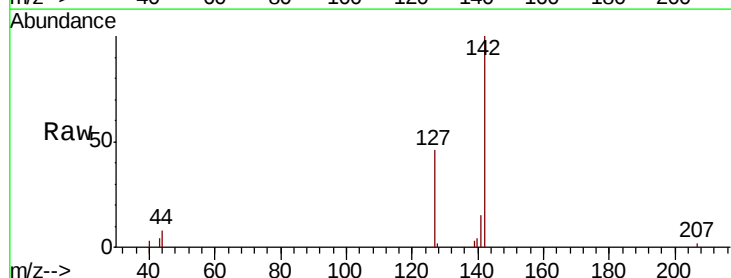
Tgt Ion:142 Resp: 24246

Ion Ratio Lower Upper

142 100

127 45.8 36.6 54.8

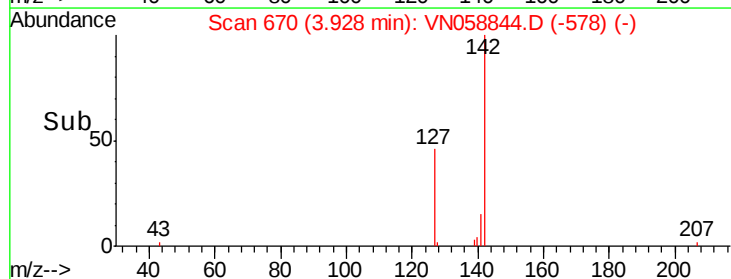
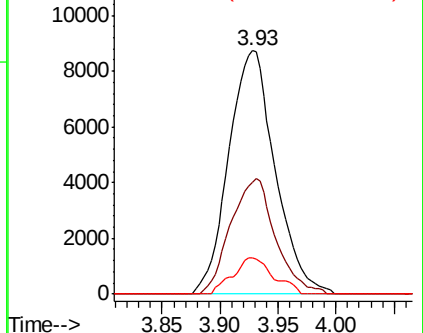
141 13.0 11.4 17.2



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: 28.094 ug/l

RT: 4.76 min Scan# 928

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

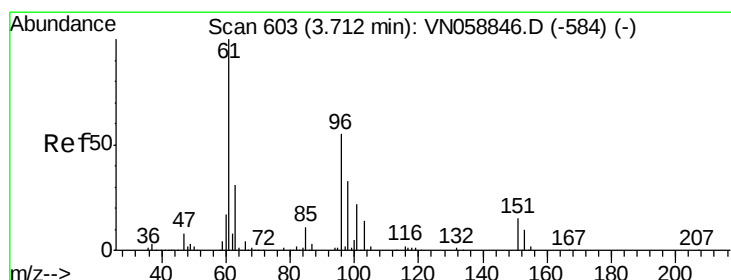
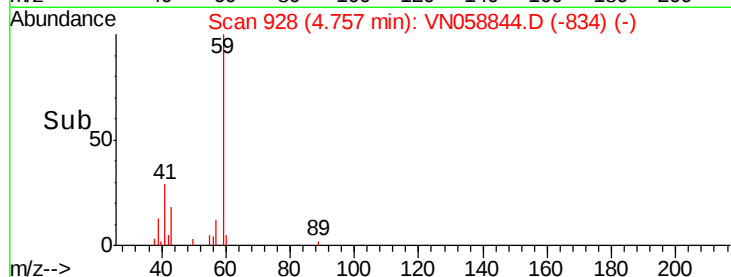
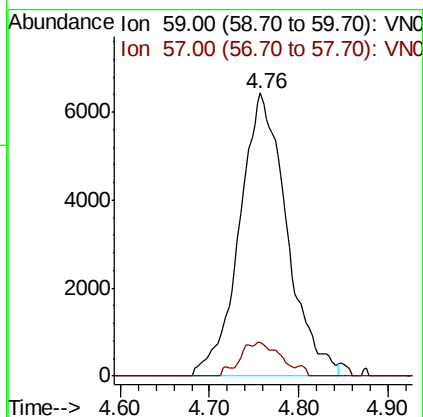
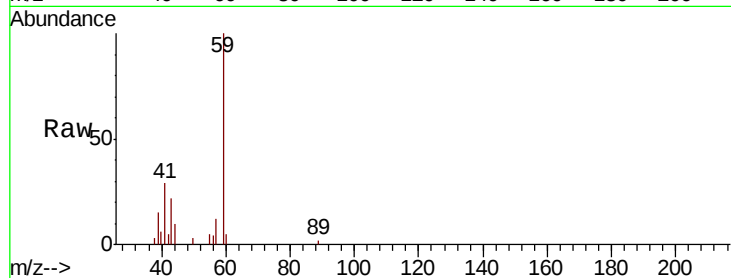
VSTDIC005

Tot Ion: 59 Resp: 23713

Ion Ratio Lower Upper

59 100

57 1.9 8.6 12.8#



#12

1,1-Dichloroethene

Concen: 5.118 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

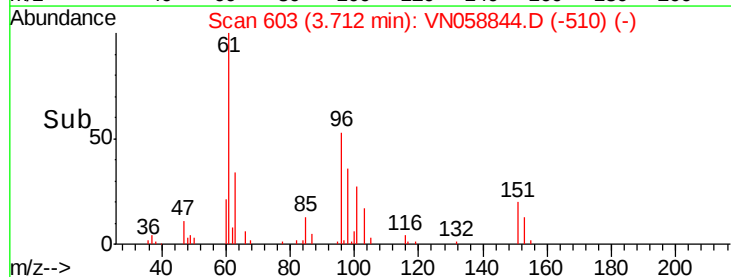
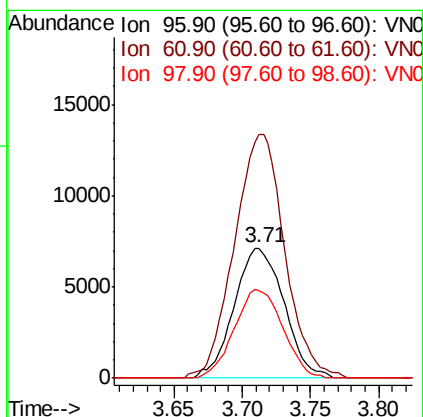
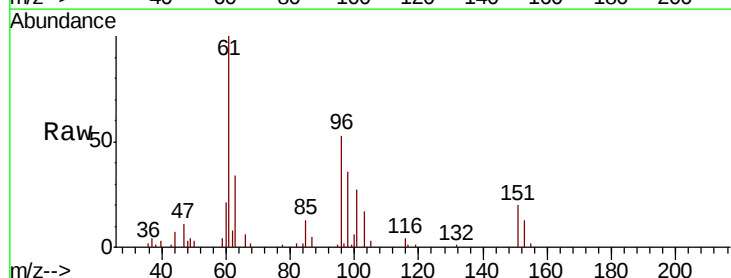
Tgt Ion: 96 Resp: 18062

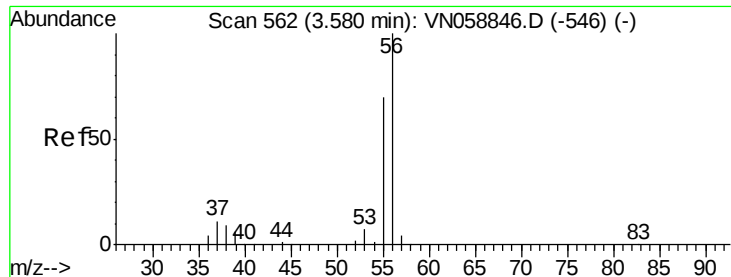
Ion Ratio Lower Upper

96 100

61 184.4 146.2 219.2

98 67.7 48.7 73.1





#13

Acrolein

Concen: 17.942 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

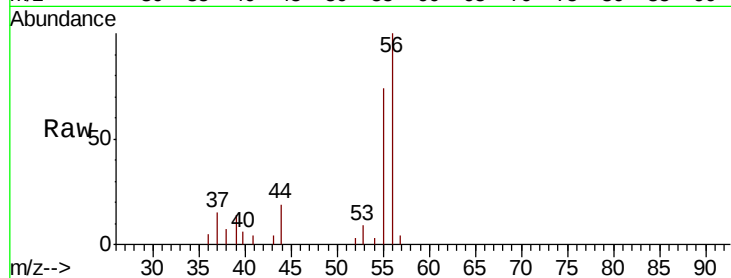
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 56 Resp: 11900

Ion Ratio Lower Upper

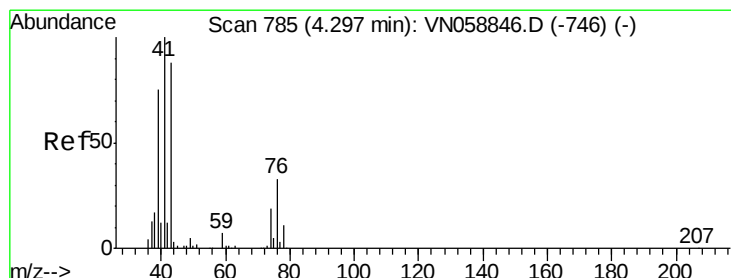
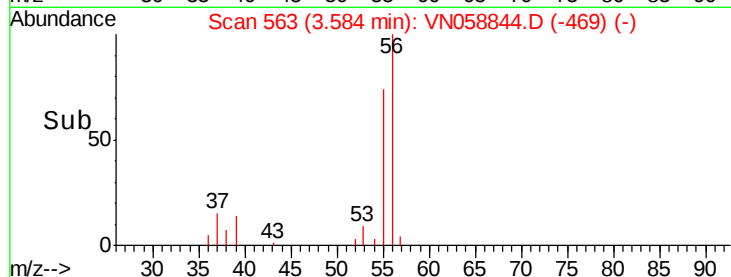
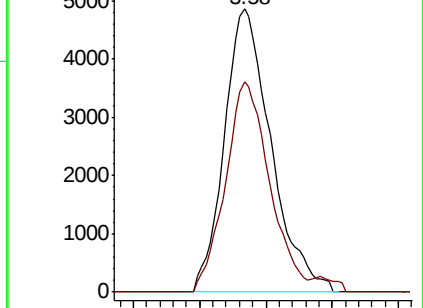
56 100

55 70.3 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN058844.D (-546) (-)

Ion 55.00 (54.70 to 55.70): VN058844.D (-546) (-)



#14

Allyl chloride

Concen: 5.289 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

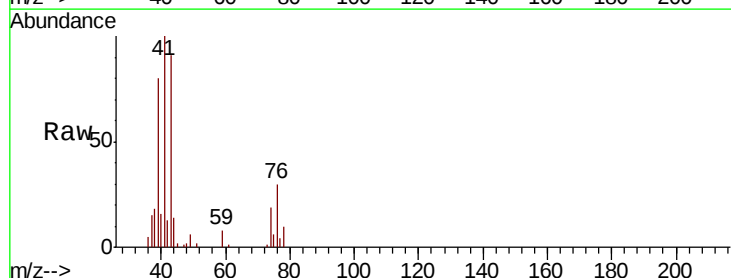
Tgt Ion: 41 Resp: 37842

Ion Ratio Lower Upper

41 100

39 71.3 55.9 83.9

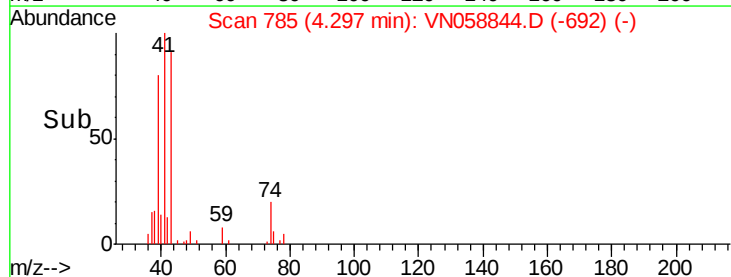
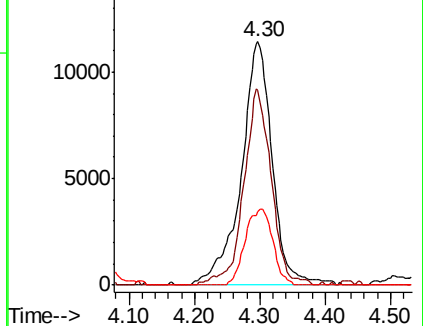
76 27.7 24.1 36.1

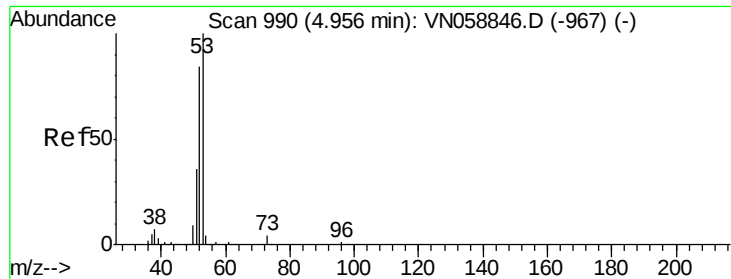


Abundance Ion 41.00 (40.70 to 41.70): VN058844.D (-692) (-)

Ion 39.00 (38.70 to 39.70): VN058844.D (-692) (-)

Ion 75.90 (75.60 to 76.60): VN058844.D (-692) (-)





#15

Acrylonitrile

Concen: 27.043 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

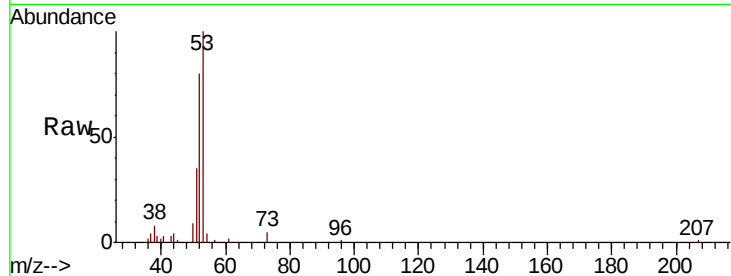
Tot Ion: 53 Resp: 57479

Ion Ratio Lower Upper

53 100

52 81.9 66.6 99.8

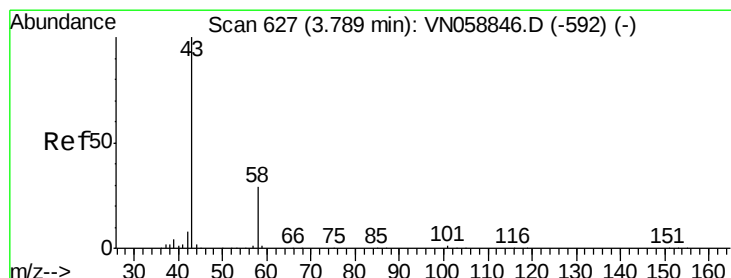
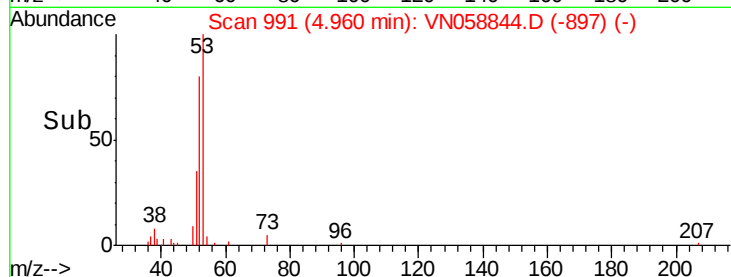
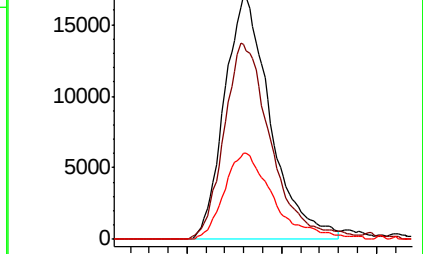
51 38.0 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VN058844.D (-967) (-)

Ion 52.00 (51.70 to 52.70): VN058844.D (-967) (-)

Ion 51.00 (50.70 to 51.70): VN058844.D (-967) (-)



#16

Acetone

Concen: 27.743 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN058844.D

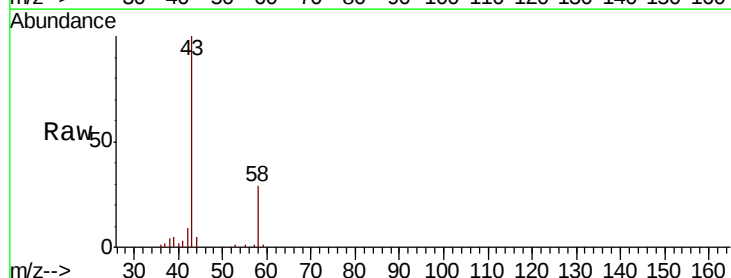
Acq: 18 Oct 2019 9:15

Tgt Ion: 43 Resp: 61976

Ion Ratio Lower Upper

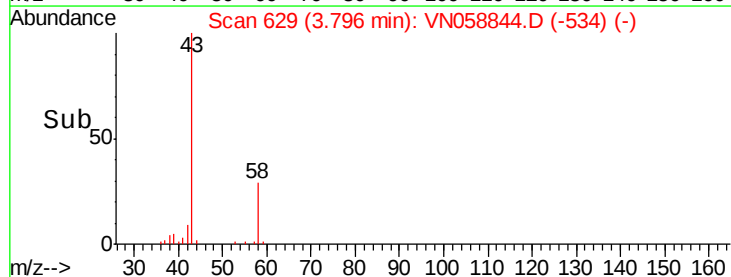
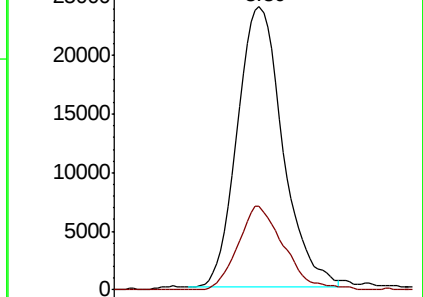
43 100

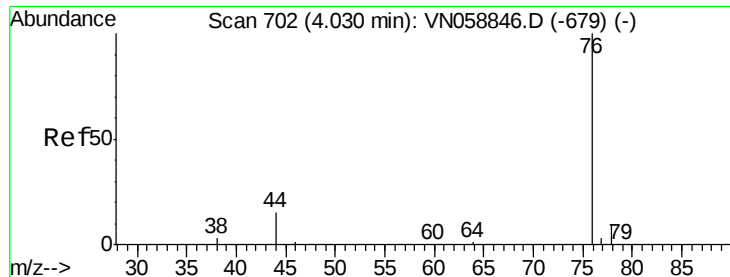
58 29.7 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN058844.D (-534) (-)

Ion 58.00 (57.70 to 58.70): VN058844.D (-534) (-)

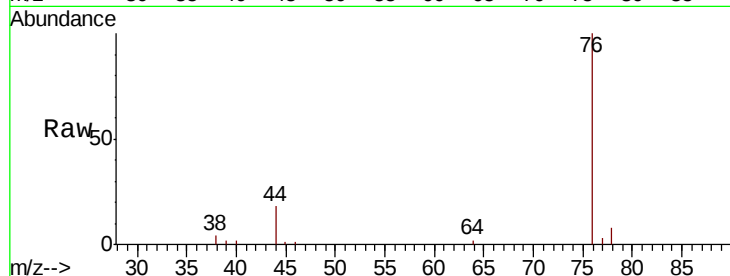




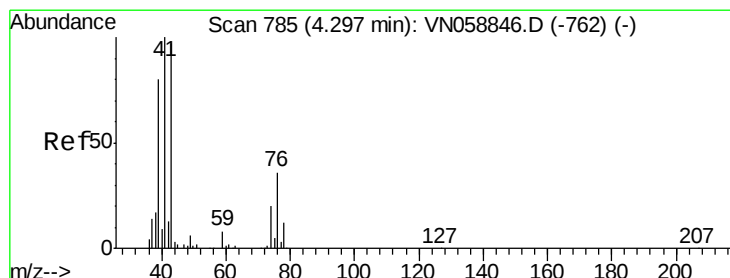
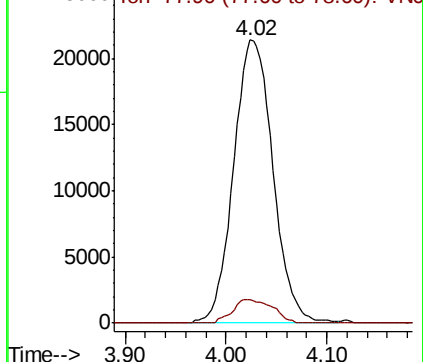
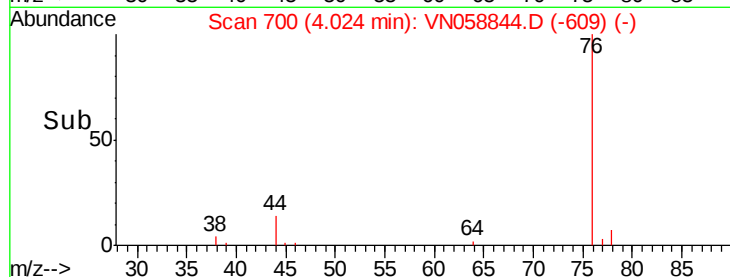
#17
Carbon Disulfide
Concen: 5.100 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.01 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 57896
Ion Ratio Lower Upper
76 100
78 8.4 7.1 10.7

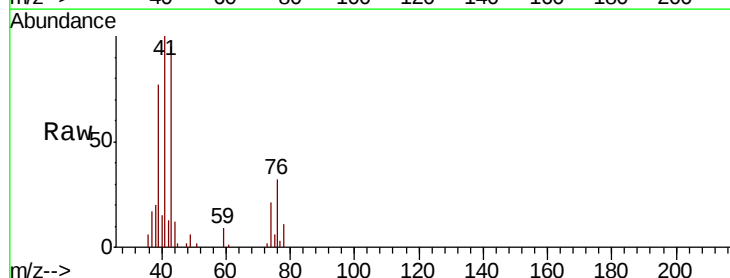


Abundance Ion 75.90 (75.60 to 76.60): VN058844.D (-609) (-)
Ion 77.90 (77.60 to 78.60): VN058844.D (-609) (-)

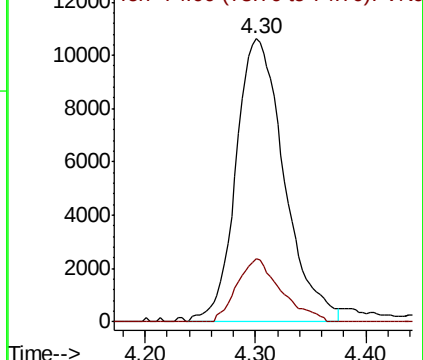
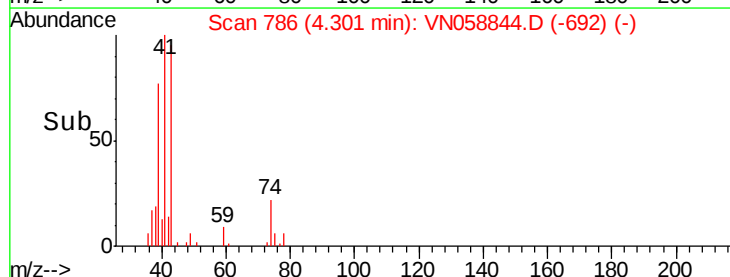


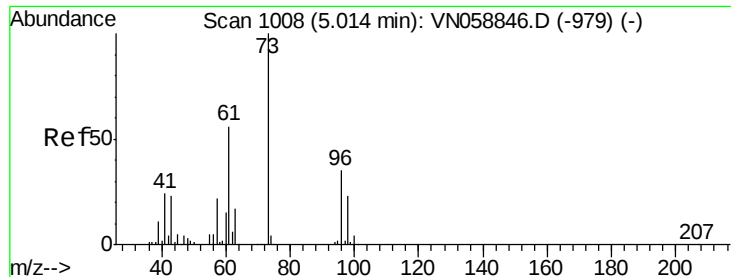
#18
Methyl Acetate
Concen: 5.922 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion: 43 Resp: 32298
Ion Ratio Lower Upper
43 100
74 20.3 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VN058844.D (-692) (-)
Ion 74.00 (73.70 to 74.70): VN058844.D (-692) (-)

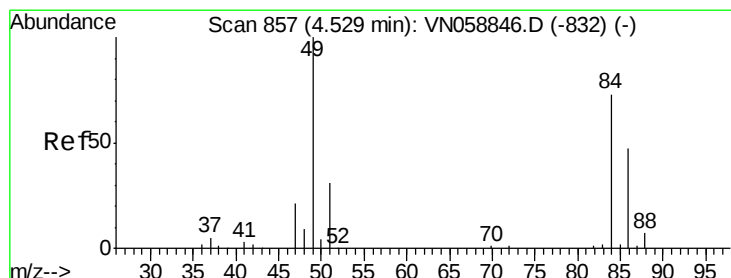
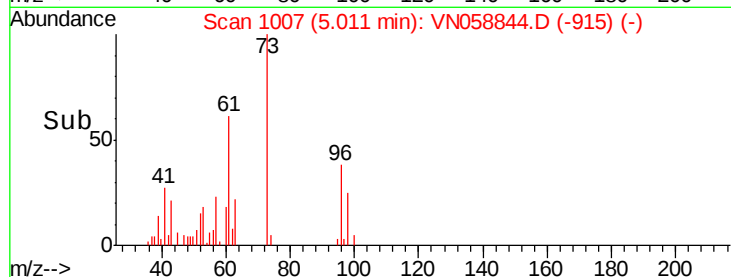
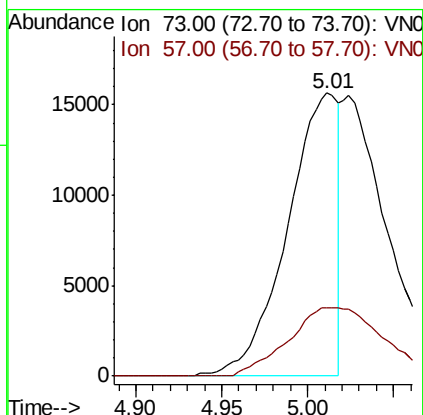
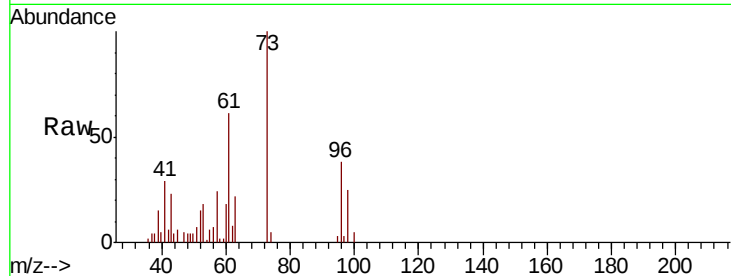




#19
Methvl tert-butvl Ether
Concen: 2.542 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

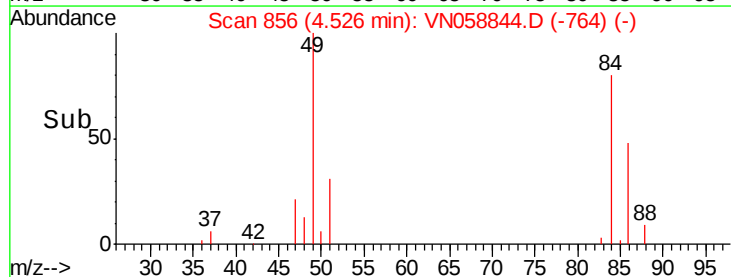
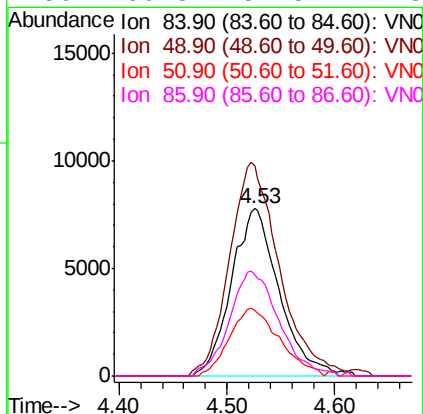
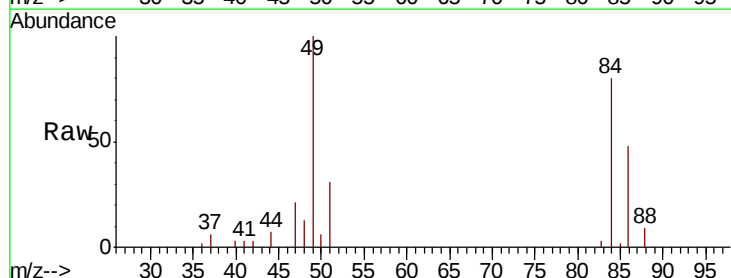
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

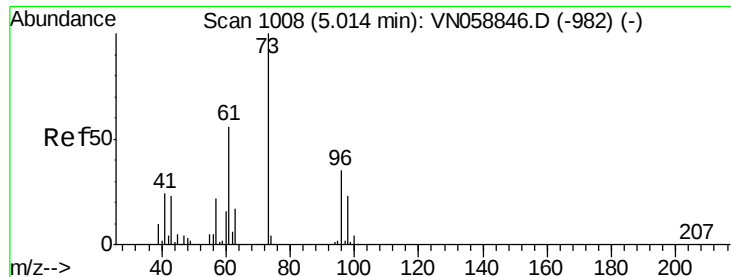
Tot Ion: 73 Resp: 32020
Ion Ratio Lower Upper
73 100
57 24.1 17.9 26.9



#20
Methylene Chloride
Concen: 5.349 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion: 84 Resp: 23818
Ion Ratio Lower Upper
84 100
49 125.4 109.6 164.4
51 39.2 33.8 50.6
86 60.3 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 5.126 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

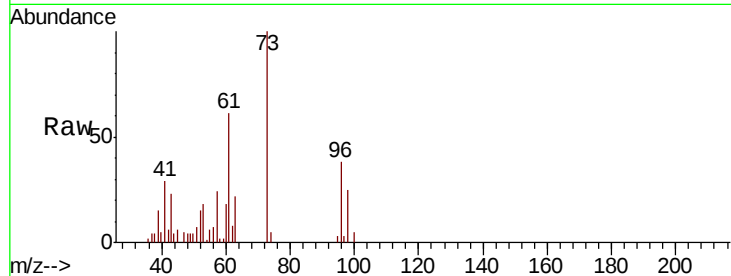
Tot Ion: 96 Resp: 20220

Ion Ratio Lower Upper

96 100

61 159.0 126.7 190.1

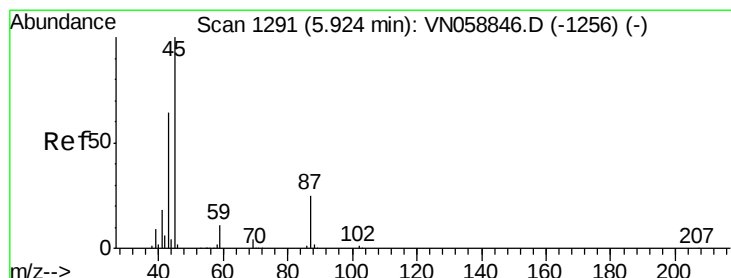
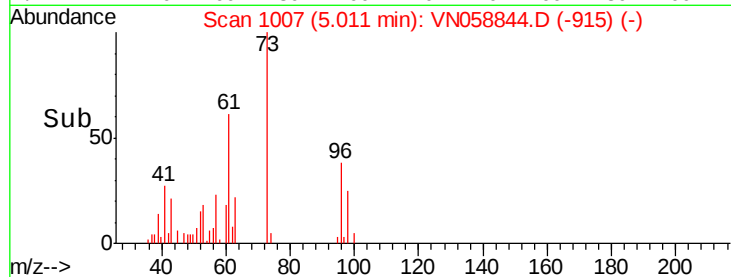
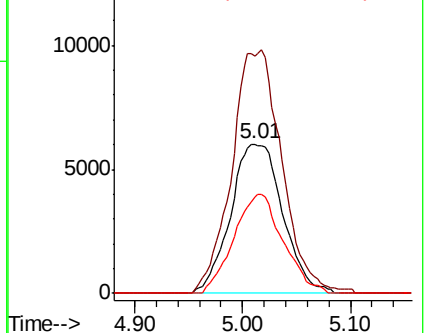
98 65.1 52.0 78.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 5.051 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Tgt Ion: 45 Resp: 70419

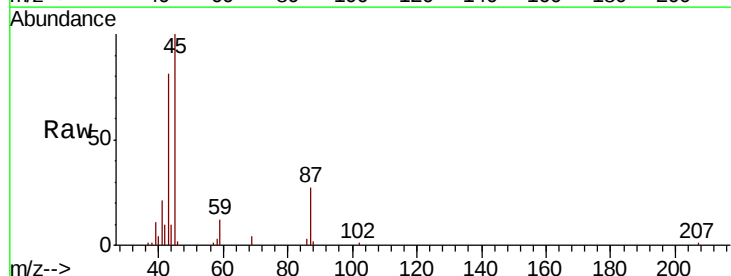
Ion Ratio Lower Upper

45 100

43 77.8 52.9 79.3

87 26.9 20.2 30.4

59 12.0 8.8 13.2

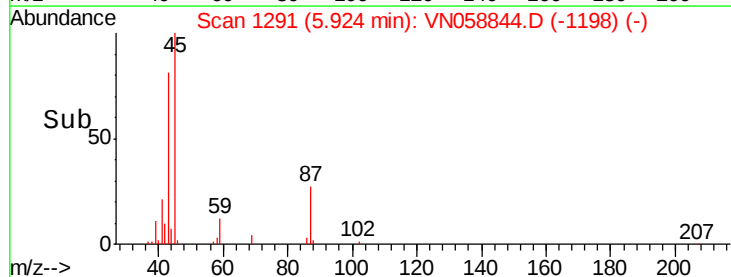
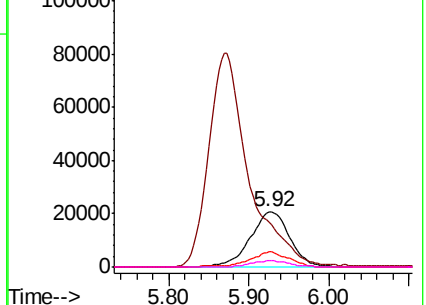


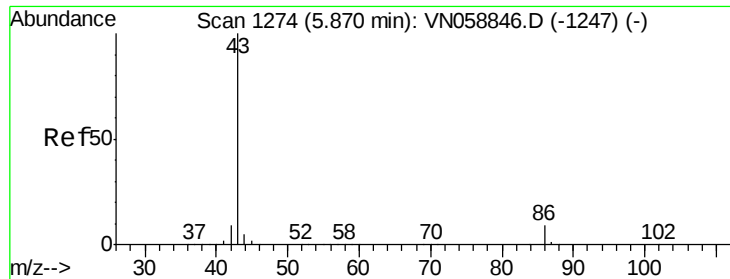
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 24.669 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

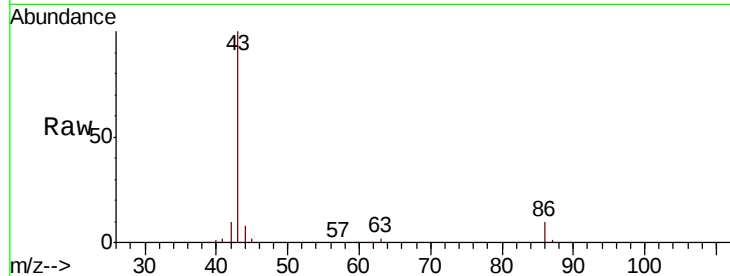
VSTDIC005

Tot Ion: 43 Resp: 277588

Ion Ratio Lower Upper

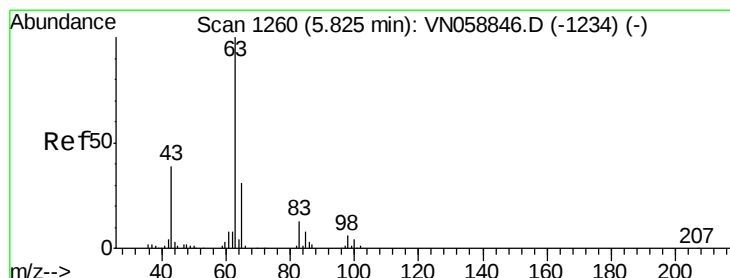
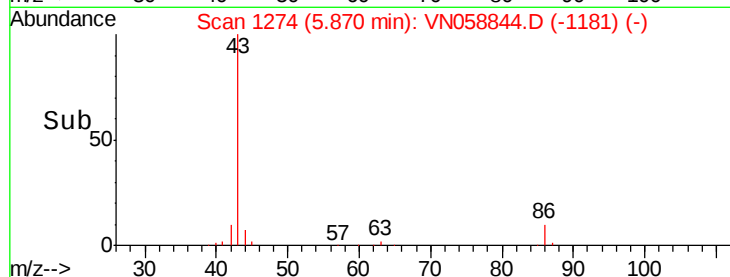
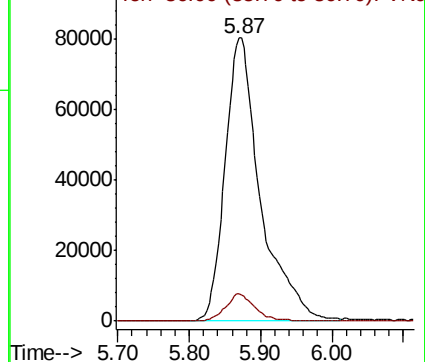
43 100

86 9.6 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 5.371 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

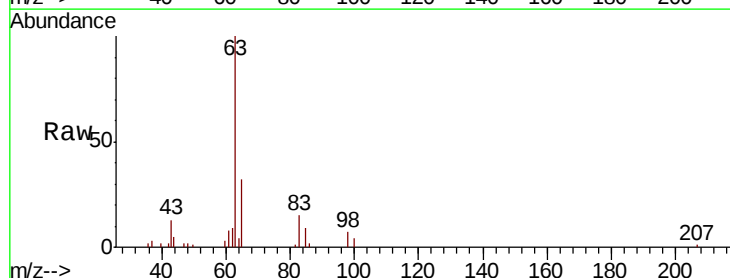
Tgt Ion: 63 Resp: 42448

Ion Ratio Lower Upper

63 100

98 6.6 2.8 8.4

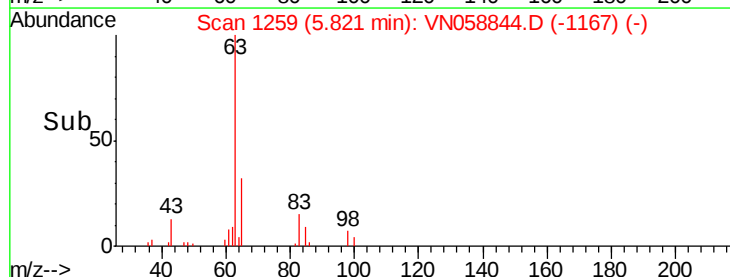
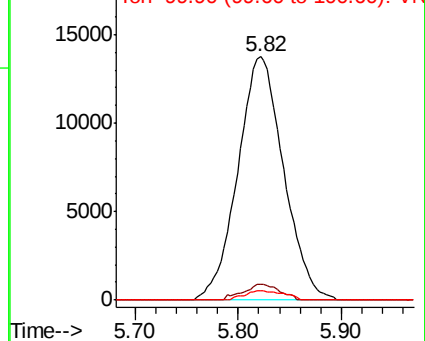
100 3.9 1.9 5.7

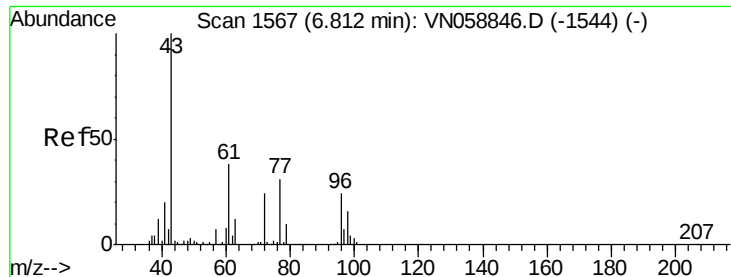


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 27.117 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

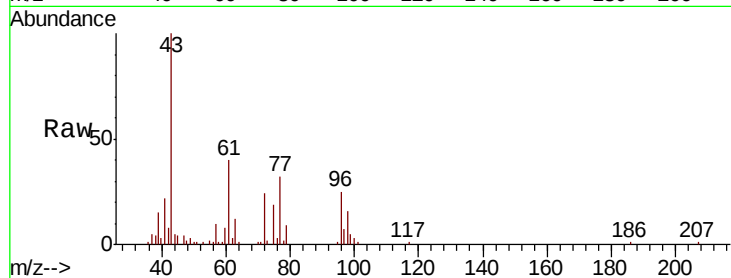
VSTDIC005

Tot Ion: 43 Resp: 85492

Ion Ratio Lower Upper

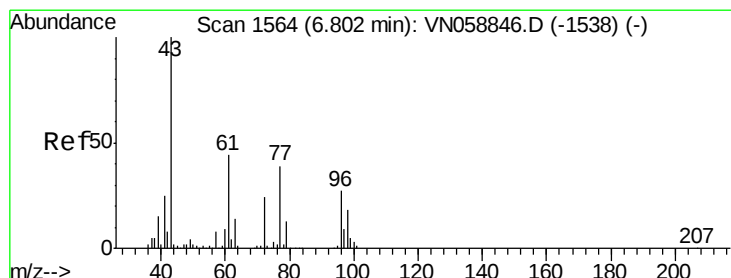
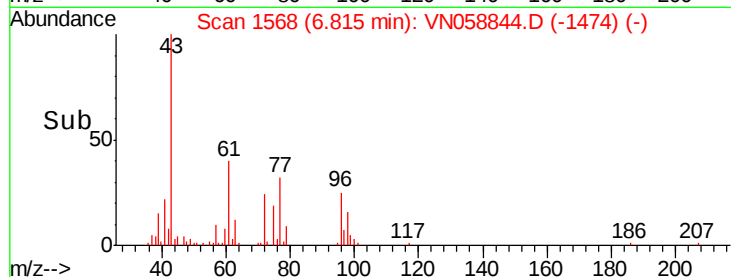
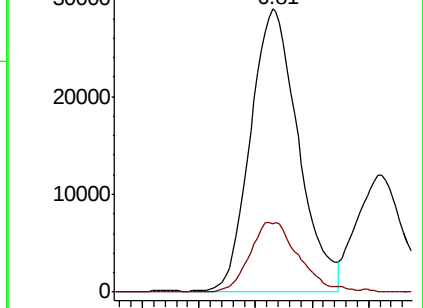
43 100

72 24.0 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VN058844.D (-1544) (-)

Ion 72.00 (71.70 to 72.70): VN058844.D (-1544) (-)



#26

2,2-Dichloropropane

Concen: 5.076 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058844.D

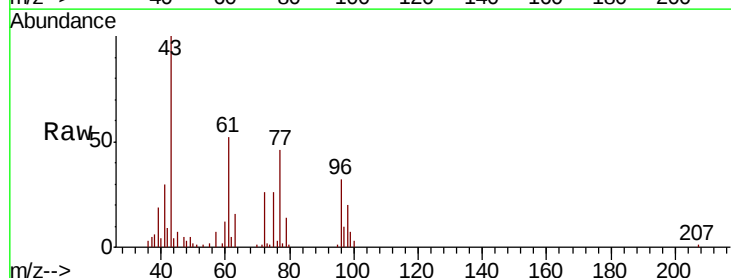
Acq: 18 Oct 2019 9:15

Tgt Ion: 77 Resp: 36581

Ion Ratio Lower Upper

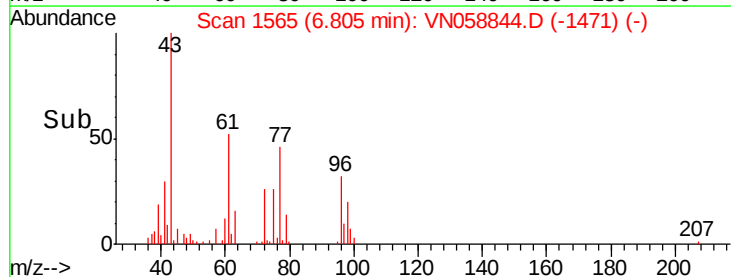
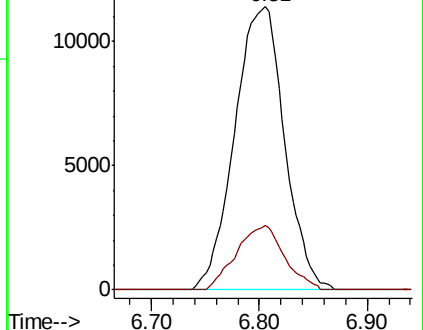
77 100

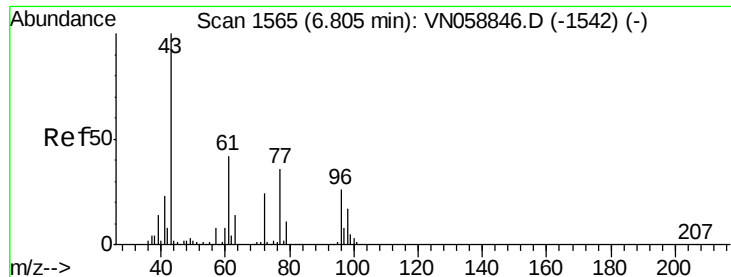
97 21.9 10.6 31.8



Abundance Ion 76.90 (76.60 to 77.60): VN058844.D (-1471) (-)

Ion 96.90 (96.60 to 97.60): VN058844.D (-1471) (-)





#27

cis-1,2-Dichloroethene

Concen: 5.018 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

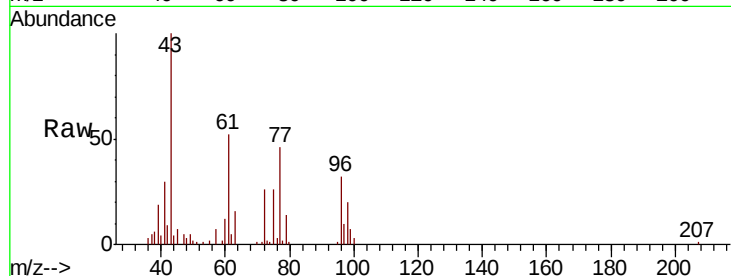
Tot Ion: 96 Resp: 23139

Ion Ratio Lower Upper

96 100

61 167.1 0.0 325.0

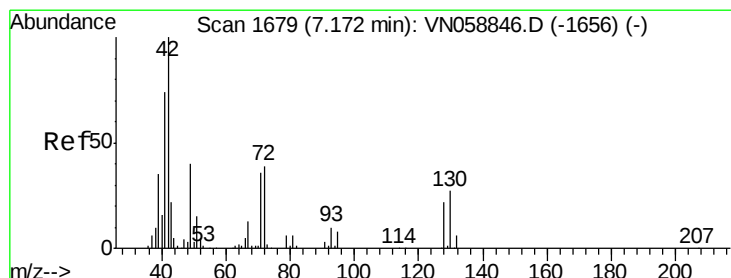
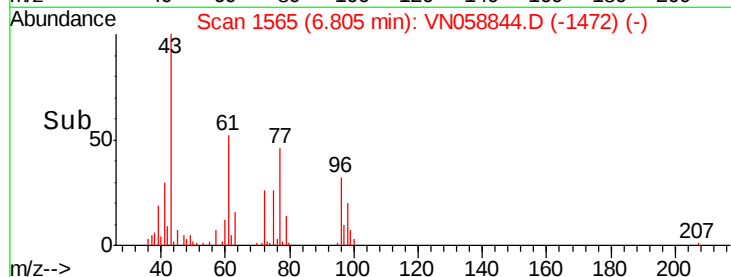
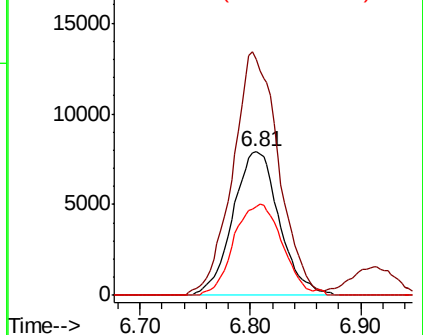
98 66.2 0.0 128.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 5.332 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

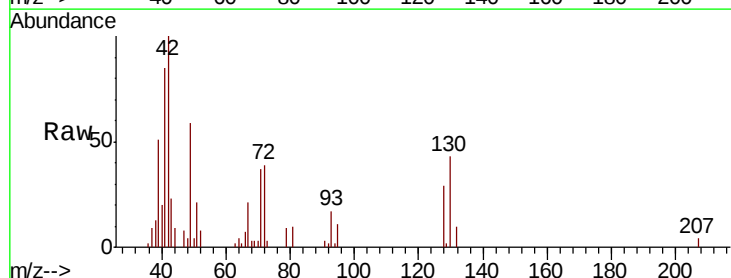
Tgt Ion: 49 Resp: 14637

Ion Ratio Lower Upper

49 100

129 0.2 0.0 3.2

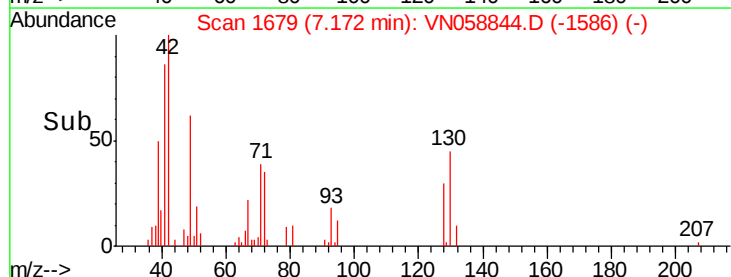
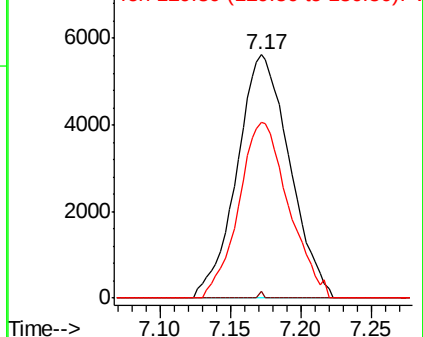
130 68.6 53.5 80.3



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

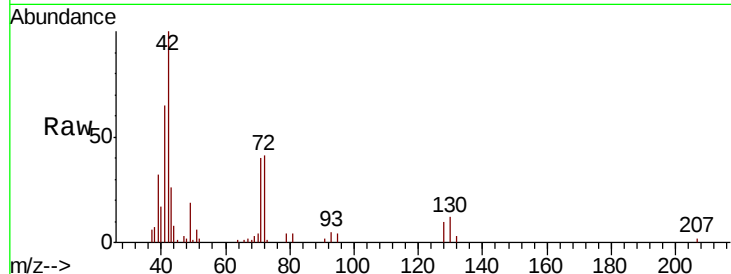




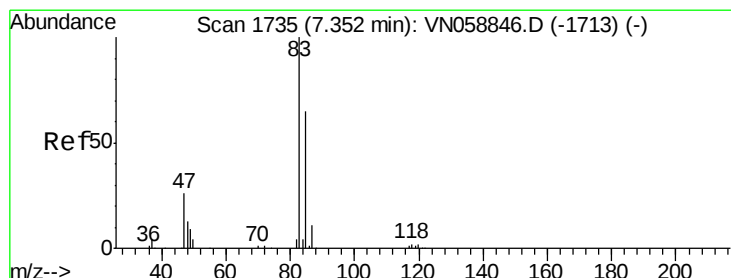
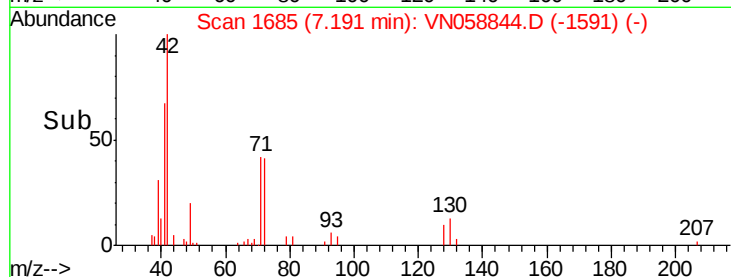
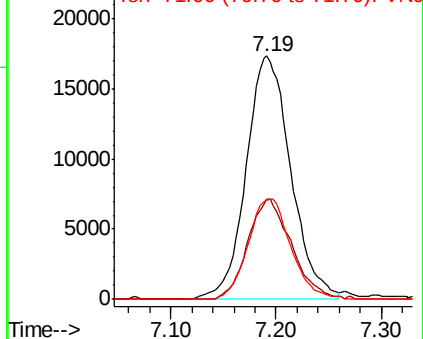
#29
Tetrahydrofuran
Concen: 25.316 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 42 Resp: 51082
Ion Ratio Lower Upper
42 100
72 40.4 32.2 48.2
71 39.4 30.6 45.8

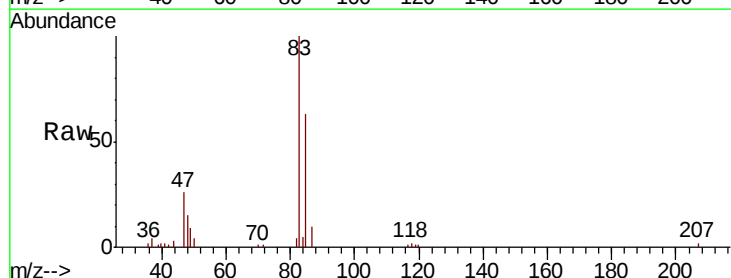


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

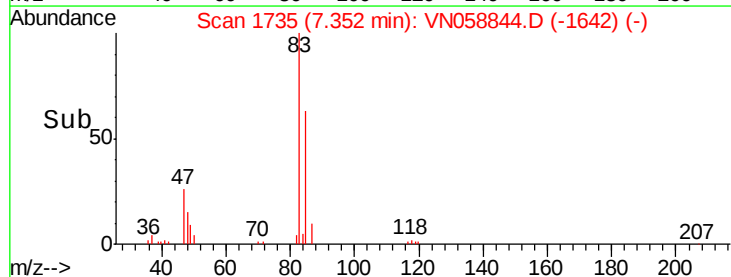
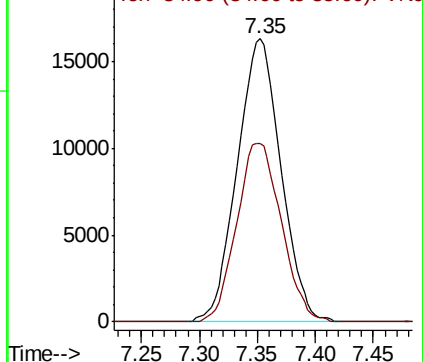


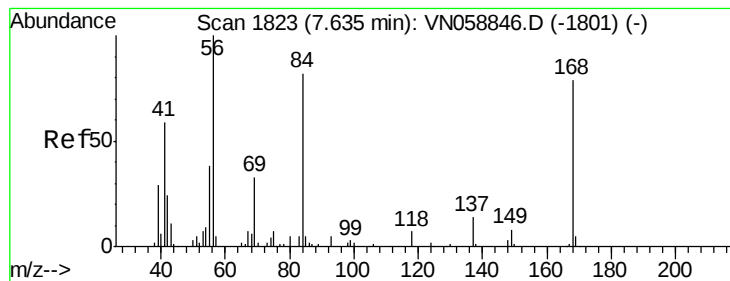
#30
Chloroform
Concen: 5.373 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion: 83 Resp: 42796
Ion Ratio Lower Upper
83 100
85 62.8 51.9 77.9



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





#31

Cyclohexane

Concen: 5.505 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

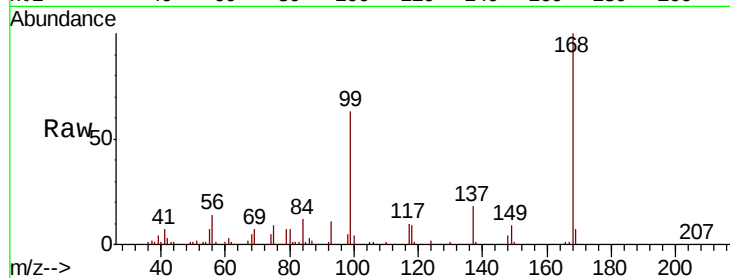
Tot Ion: 56 Resp: 41745

Ion Ratio Lower Upper

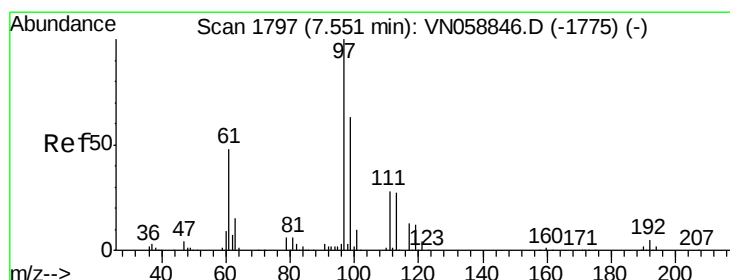
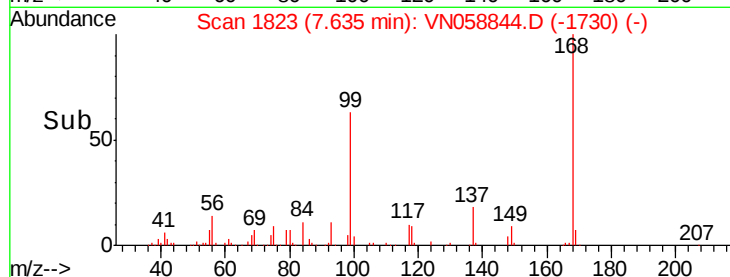
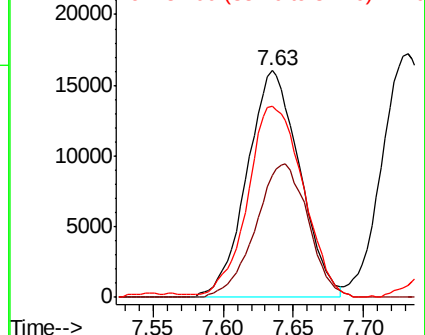
56 100

69 53.9 26.2 39.4#

84 82.9 65.6 98.4



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: 5.384 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

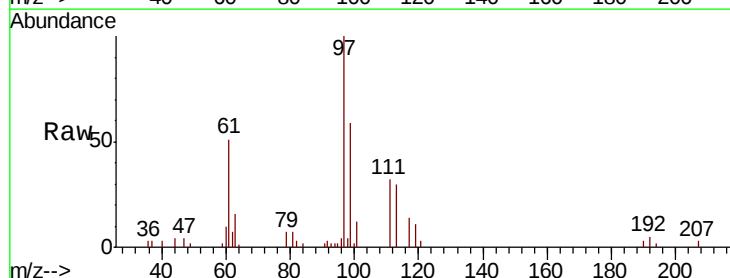
Tgt Ion: 97 Resp: 36460

Ion Ratio Lower Upper

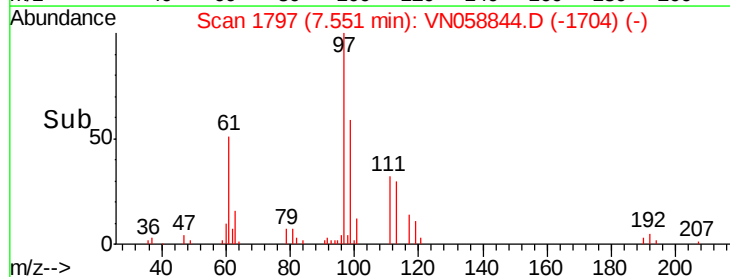
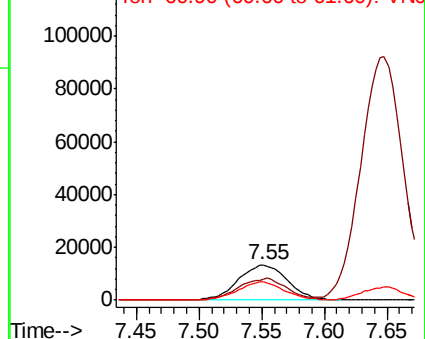
97 100

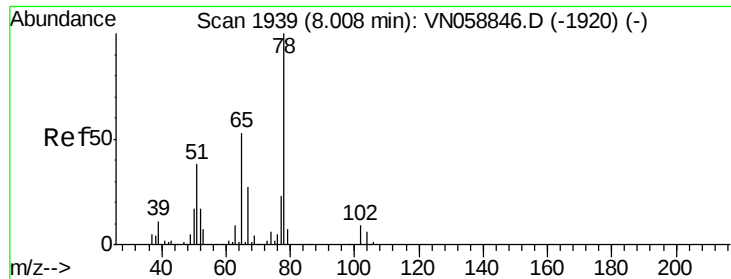
99 61.4 51.0 76.4

61 49.0 38.6 58.0



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

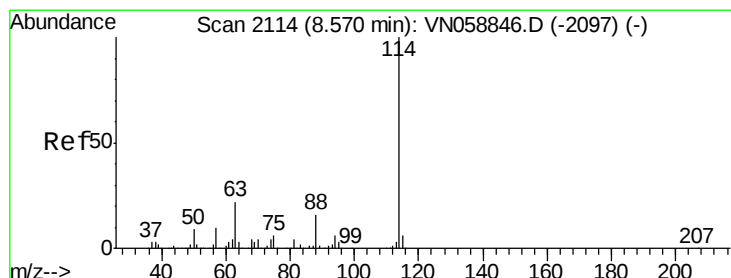
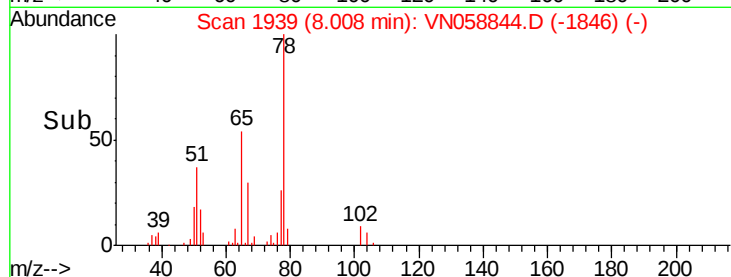
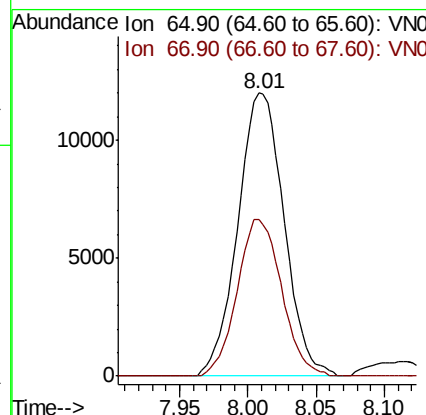
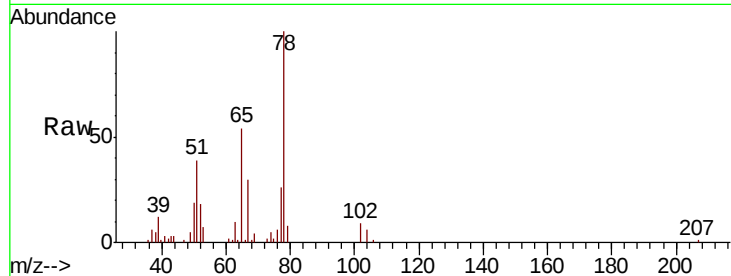




#33
 1,2-Dichloroethane-d4
 Concen: 5.460 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

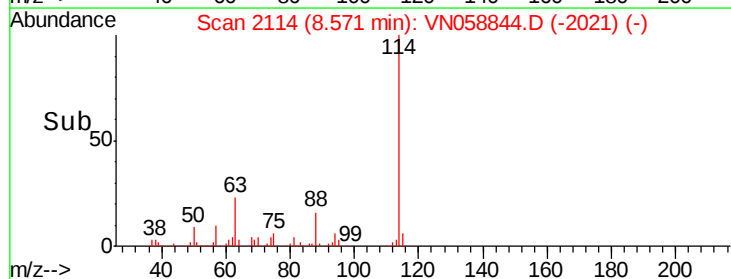
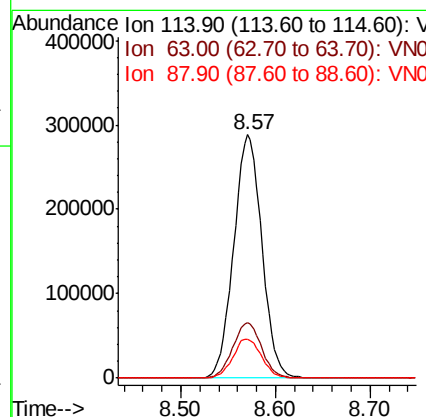
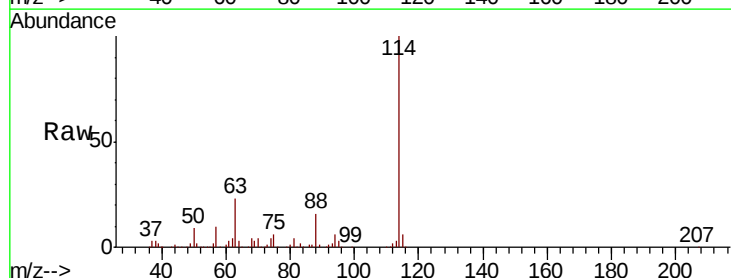
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

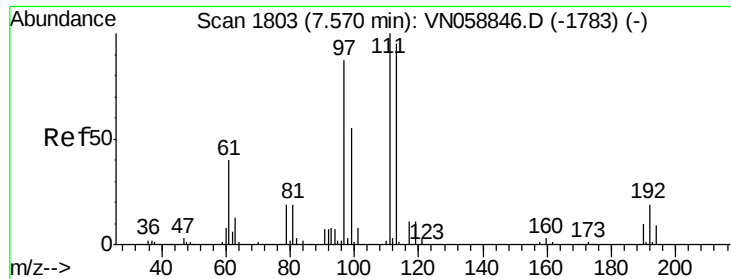
Tot Ion: 65 Resp: 28220
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

Tgt Ion: 114 Resp: 596399
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 44.4
 88 16.2 0.0 31.4

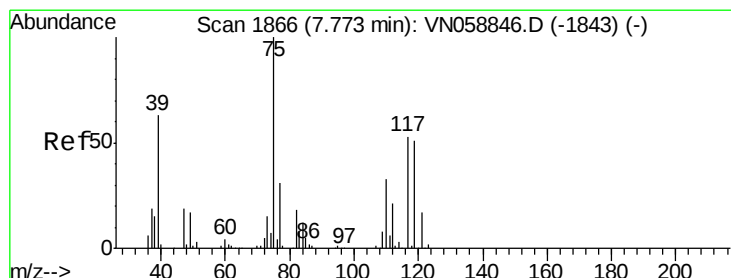
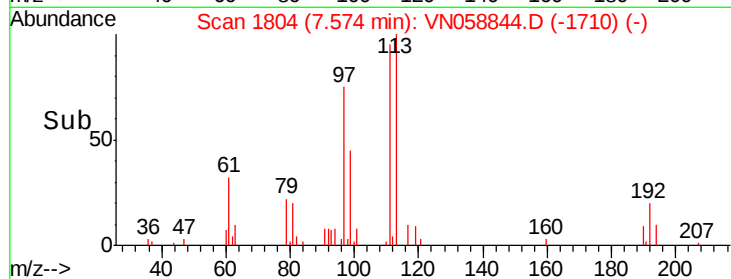
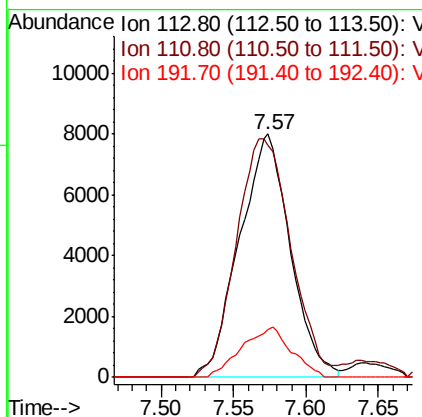
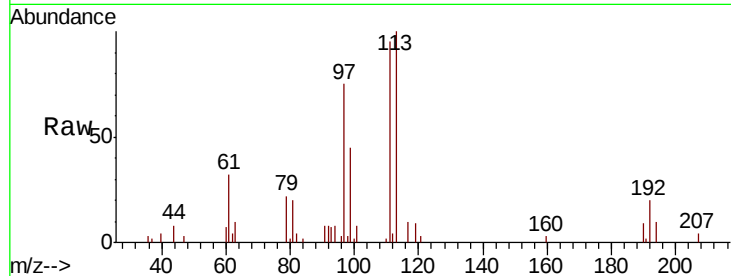




#35
 Dibromofluoromethane
 Concen: 5.228 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

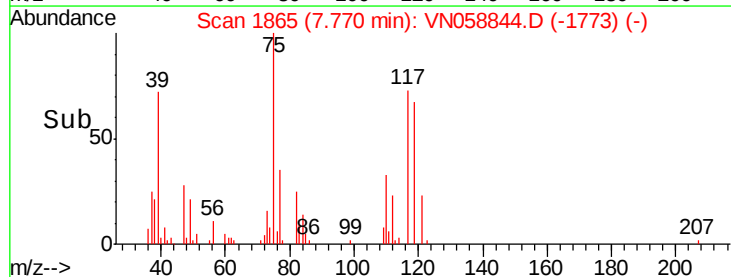
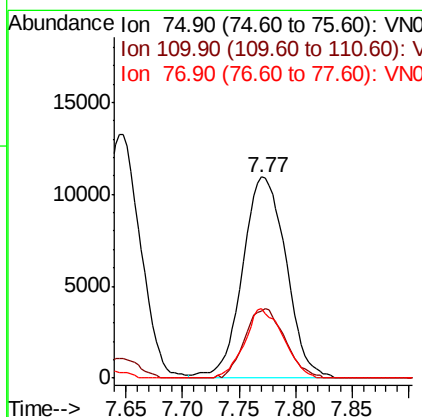
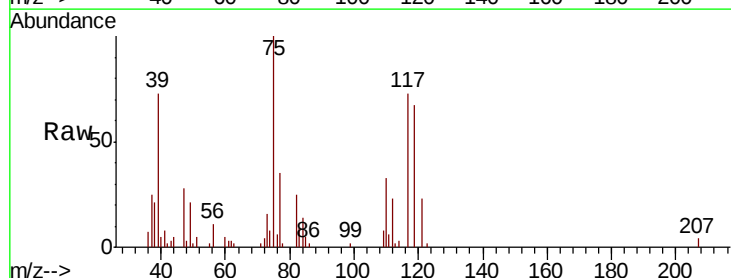
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

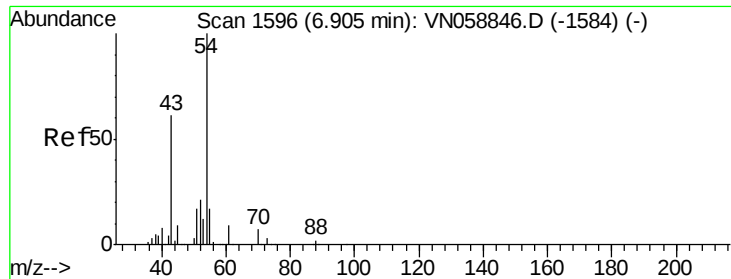
Tot Ion:113 Resp: 19492
 Ion Ratio Lower Upper
 113 100
 111 105.3 82.0 123.0
 192 20.2 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 4.809 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

Tgt Ion: 75 Resp: 29289
 Ion Ratio Lower Upper
 75 100
 110 32.0 16.3 48.9
 77 30.8 24.6 36.8

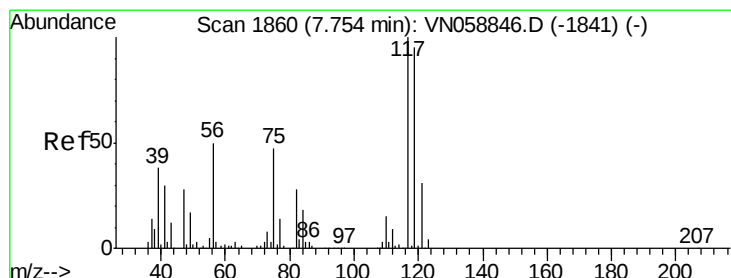
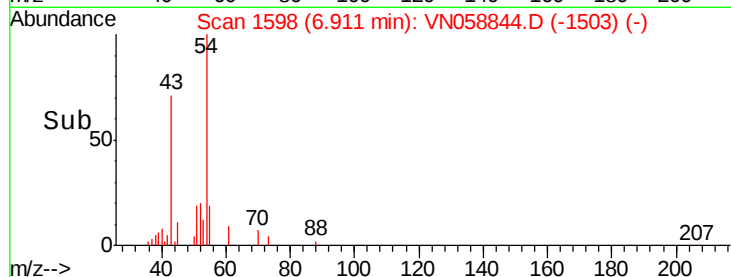
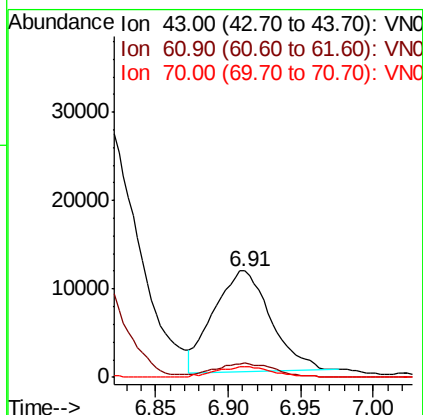
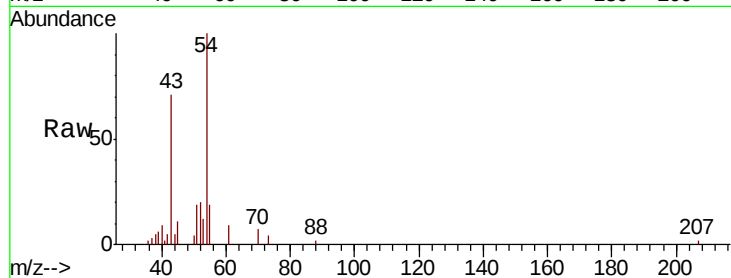




#37
Ethyl Acetate
Concen: 5.037 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.01 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

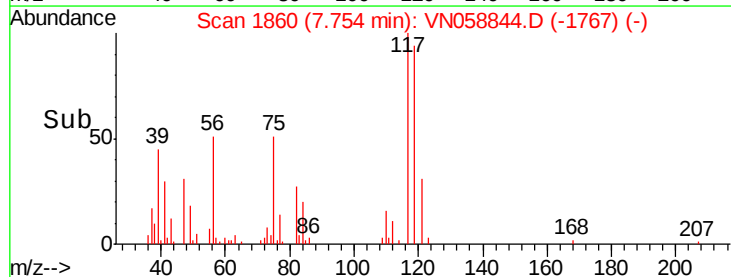
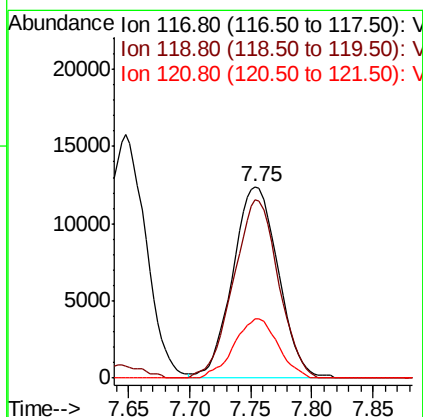
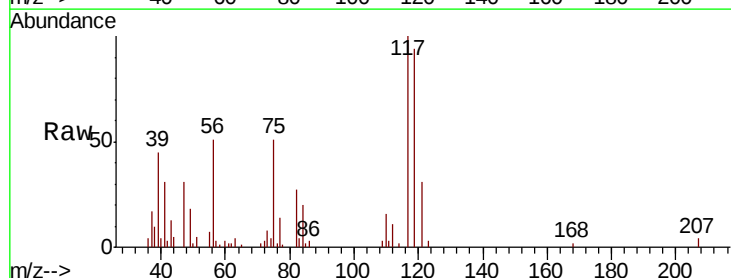
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

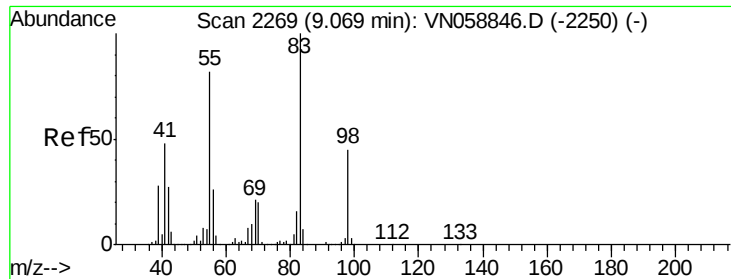
Tot Ion: 43 Resp: 31370
Ion Ratio Lower Upper
43 100
61 14.6 10.5 15.7
70 10.4 7.6 11.4



#38
Carbon Tetrachloride
Concen: 5.403 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion: 117 Resp: 32065
Ion Ratio Lower Upper
117 100
119 93.5 75.7 113.5
121 30.7 25.0 37.6

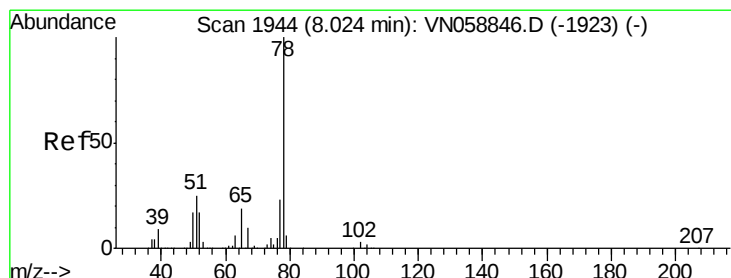
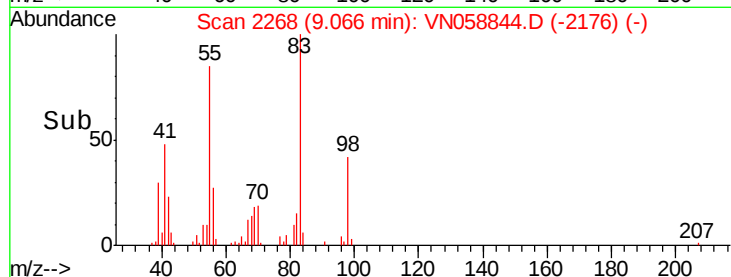
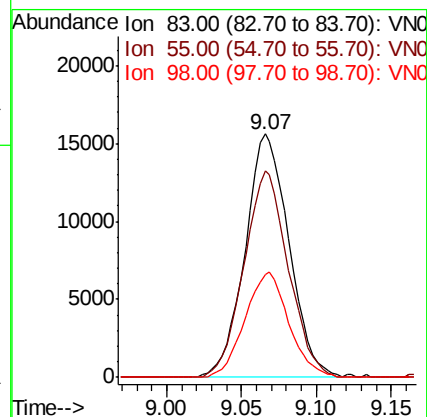
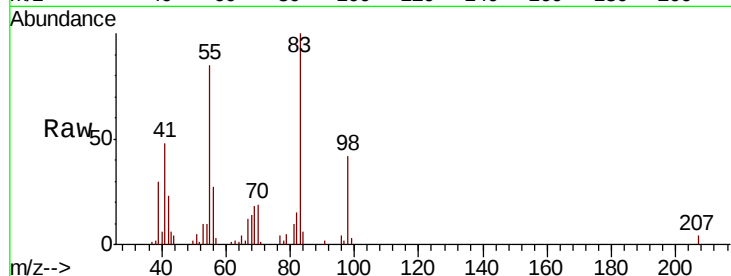




#39
Methvlcvclohexane
Concen: 4.532 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

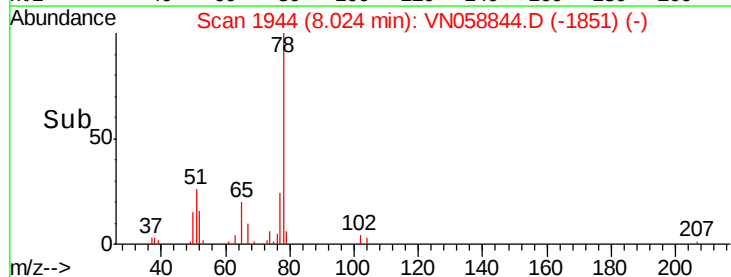
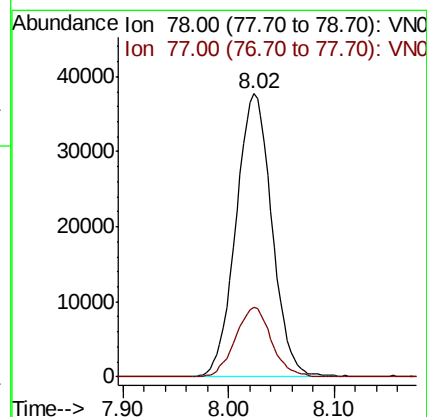
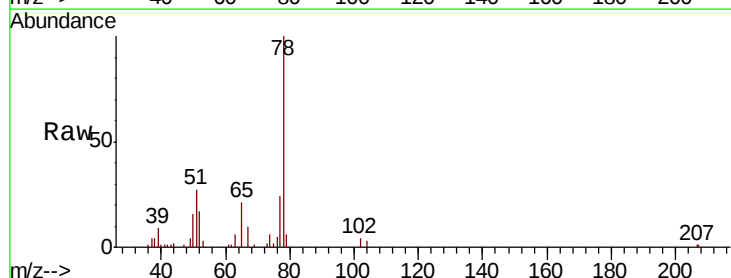
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

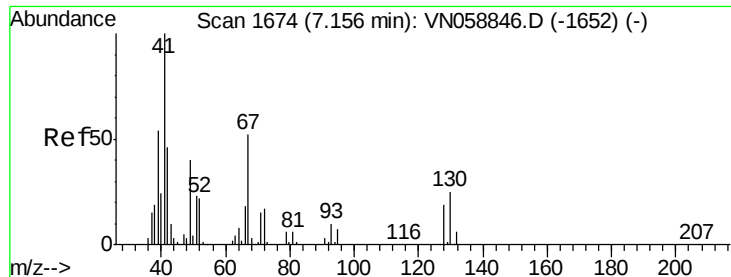
Tot Ion: 83 Resp: 31856
Ion Ratio Lower Upper
83 100
55 84.6 65.5 98.3
98 42.2 35.7 53.5



#40
Benzene
Concen: 5.088 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion: 78 Resp: 89196
Ion Ratio Lower Upper
78 100
77 24.4 18.2 27.2

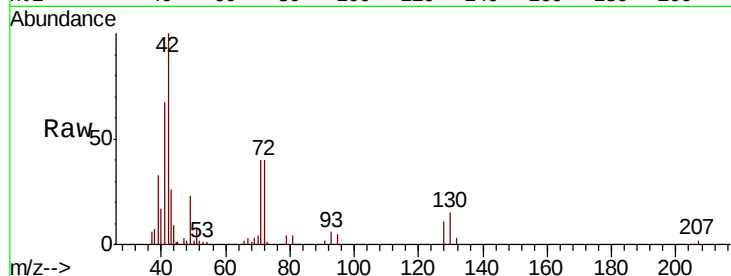




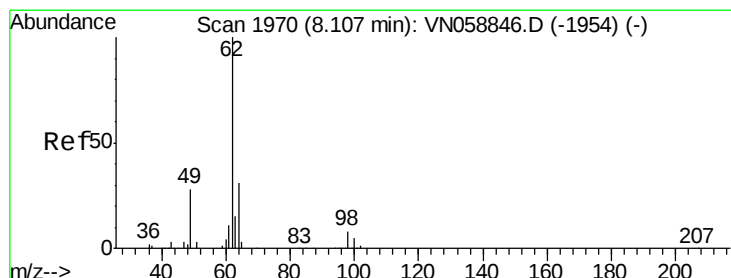
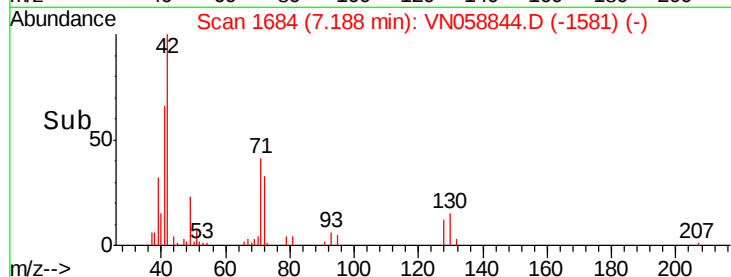
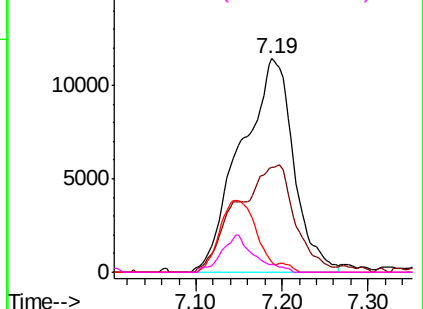
#41
Methacrylonitrile
Concen: 17.239 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	48710
Ion	Ratio	Lower	Upper
41	100		
39	33.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

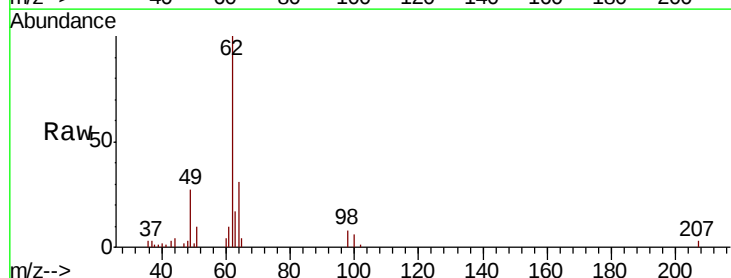


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

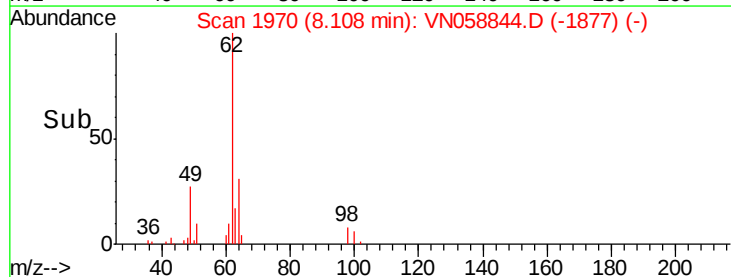
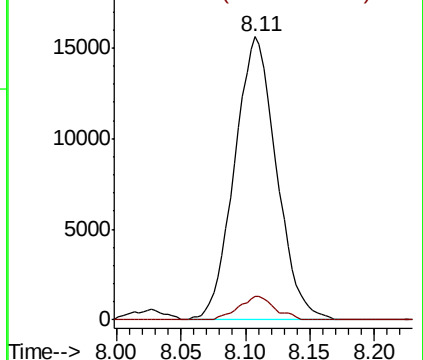


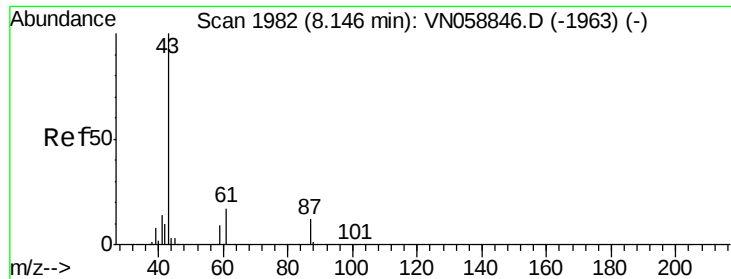
#42
1,2-Dichloroethane
Concen: 5.263 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion:	62	Resp:	35400
Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	16.2



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 4.854 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

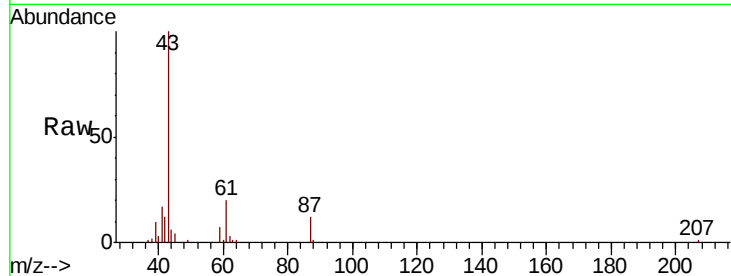
Tot Ion: 43 Resp: 51097

Ion Ratio Lower Upper

43 100

61 20.7 20.2 30.2

87 11.6 9.5 14.3

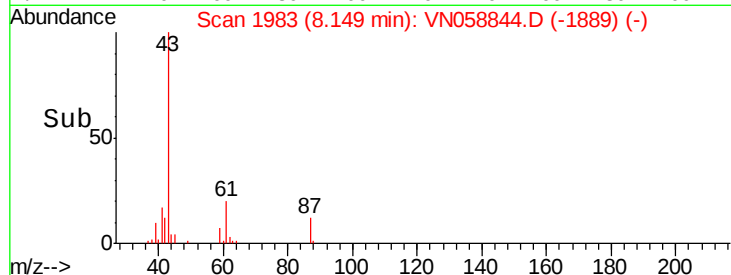


Abundance Ion 43.00 (42.70 to 43.70): VN058844.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN058844.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN058844.D (-1963) (-)

Time-->

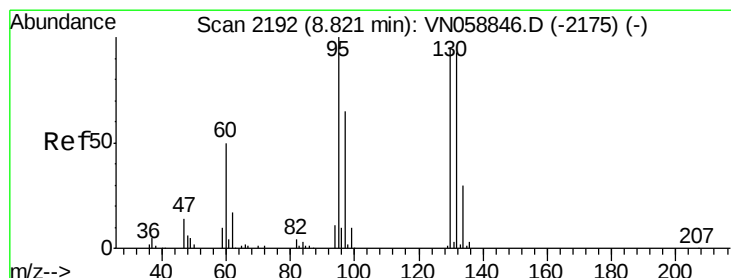


Abundance Ion 43.00 (42.70 to 43.70): VN058844.D (-1889) (-)

Ion 61.00 (60.70 to 61.70): VN058844.D (-1889) (-)

Ion 87.00 (86.70 to 87.70): VN058844.D (-1889) (-)

Time-->



#44

Trichloroethene

Concen: 5.272 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN058844.D

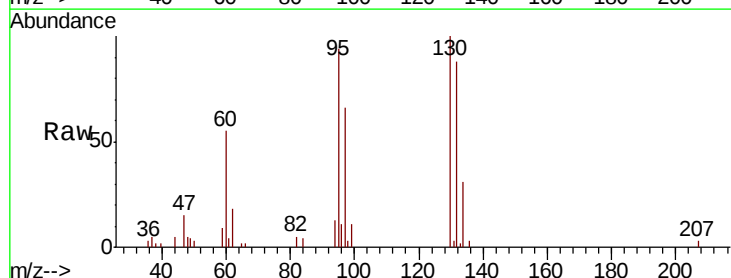
Acq: 18 Oct 2019 9:15

Tgt Ion: 130 Resp: 22823

Ion Ratio Lower Upper

130 100

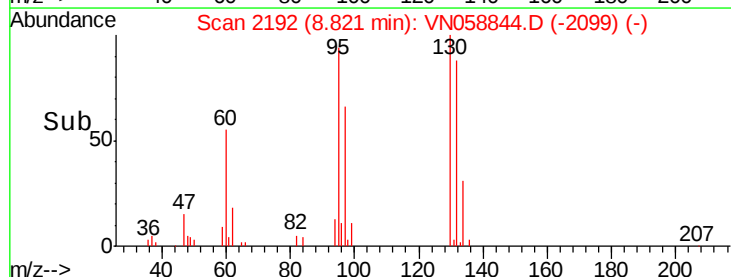
95 93.9 0.0 209.6



Abundance Ion 129.80 (129.50 to 130.50): VN058844.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN058844.D (-2175) (-)

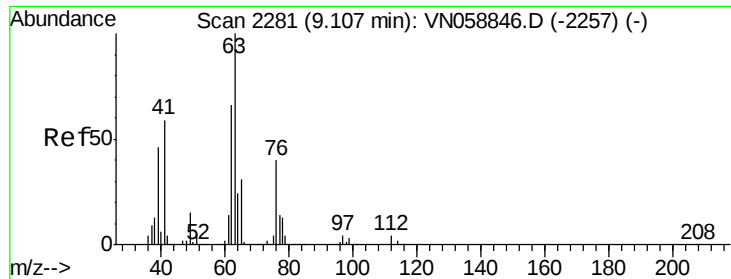
Time-->



Abundance Ion 129.80 (129.50 to 130.50): VN058844.D (-2099) (-)

Ion 94.90 (94.60 to 95.60): VN058844.D (-2099) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 5.183 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampled :

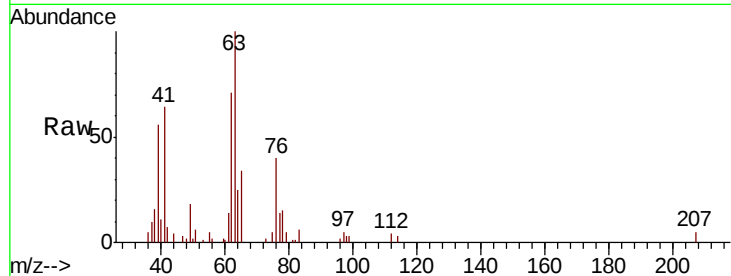
VSTDIC005

Tot Ion: 63 Resp: 24354

Ion Ratio Lower Upper

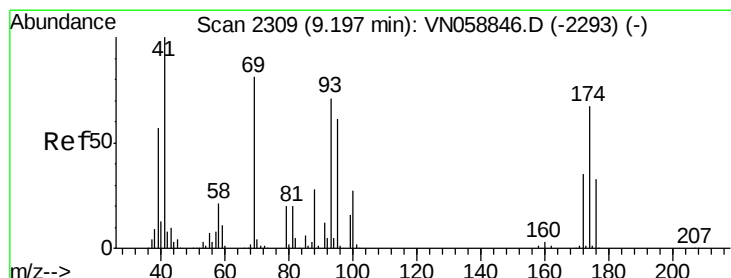
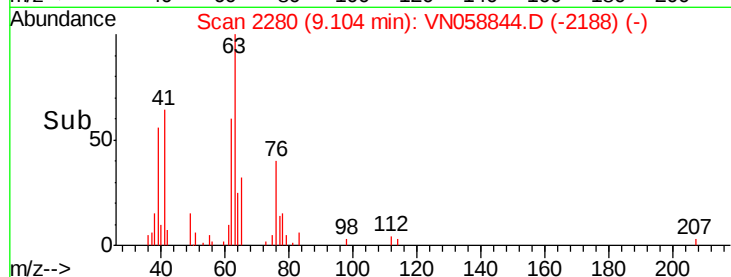
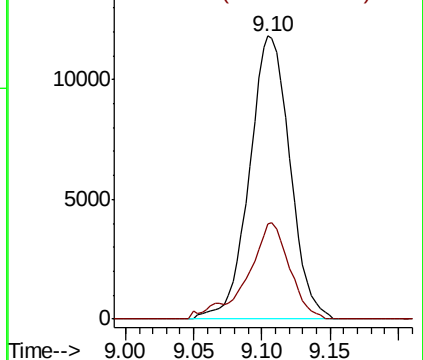
63 100

65 33.6 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 5.335 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

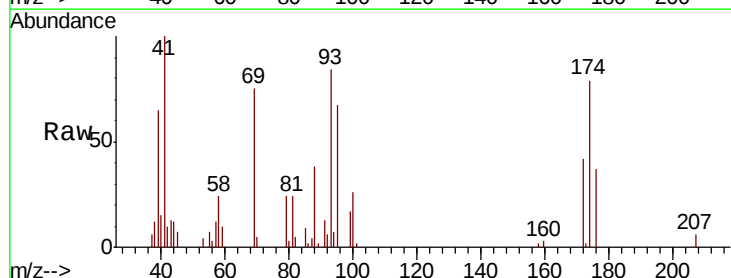
Tgt Ion: 93 Resp: 15840

Ion Ratio Lower Upper

93 100

95 80.1 67.6 101.4

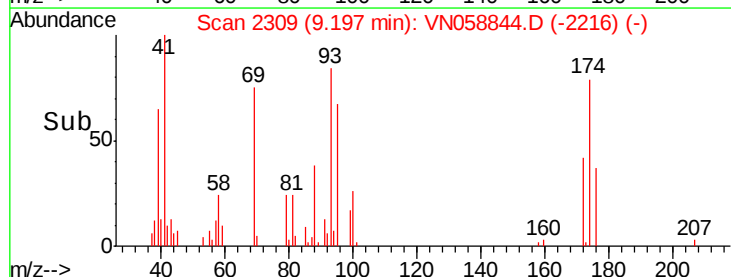
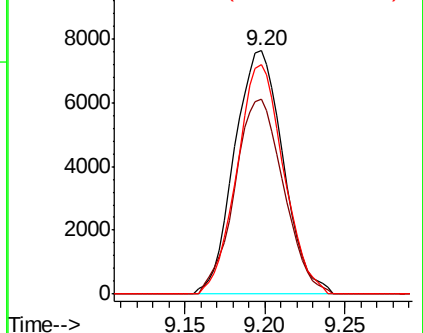
174 90.2 74.1 111.1

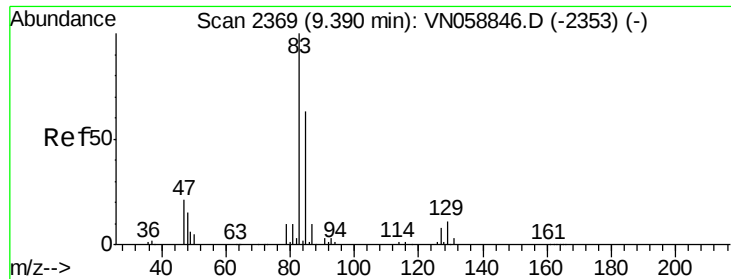


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

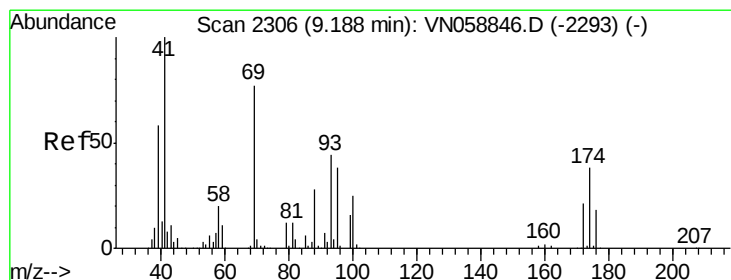
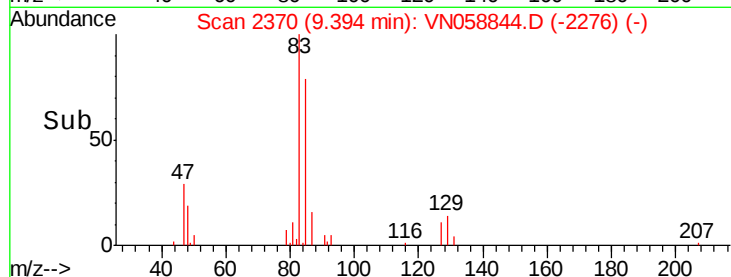
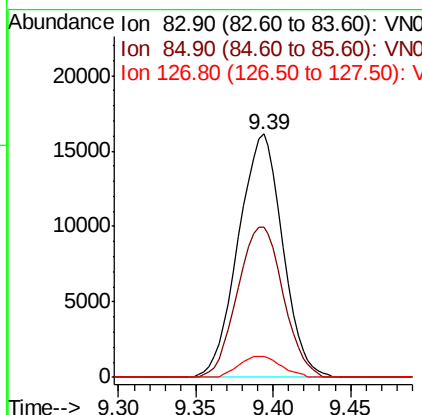
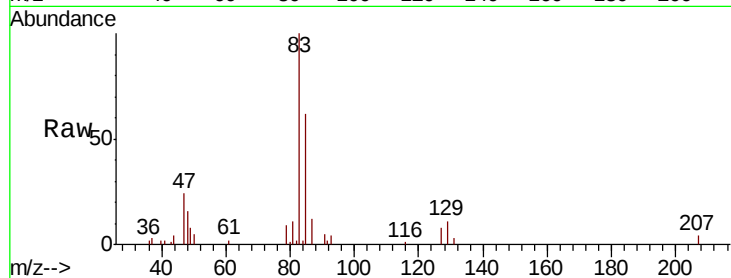




#47
 Bromodichloromethane
 Concen: 5.316 ug/l
 RT: 9.39 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

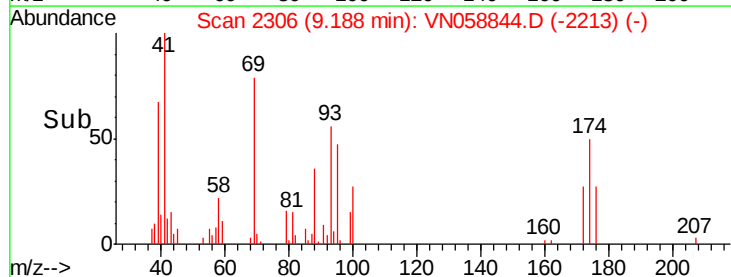
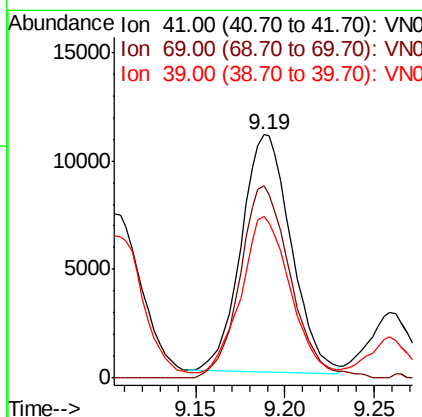
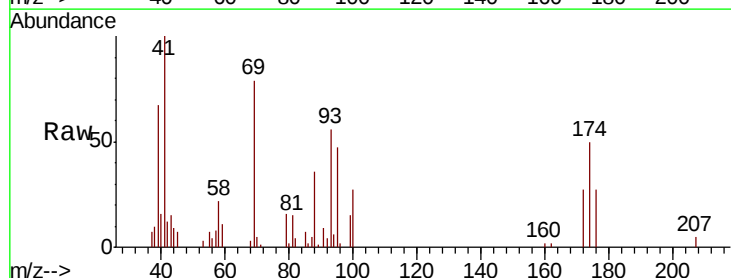
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

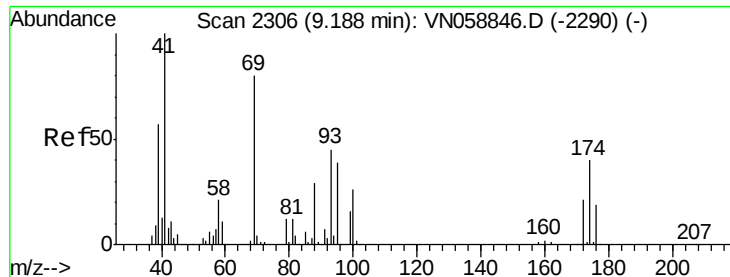
Tot Ion: 83 Resp: 32207
 Ion Ratio Lower Upper
 83 100
 85 61.8 50.6 75.8
 127 8.5 6.5 9.7



#48
 Methyl methacrylate
 Concen: 4.479 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

Tgt Ion: 41 Resp: 21434
 Ion Ratio Lower Upper
 41 100
 69 81.1 63.8 95.6
 39 65.8 47.8 71.8

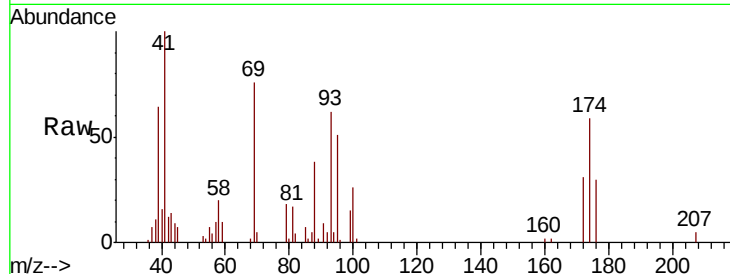




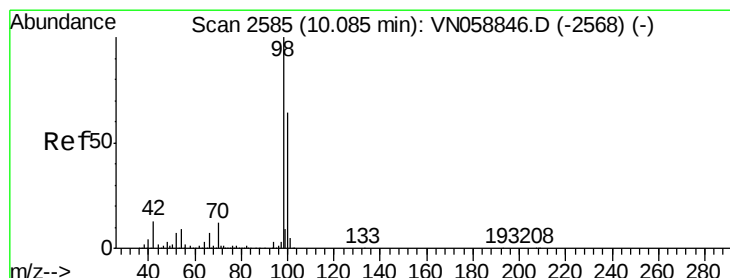
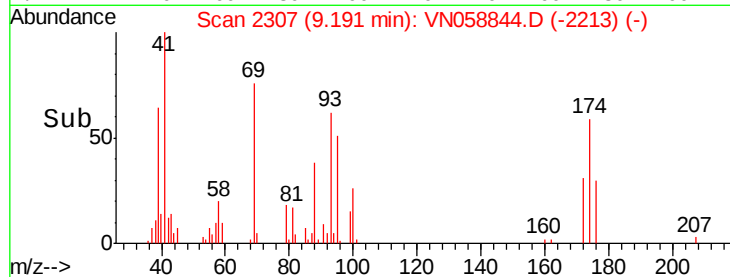
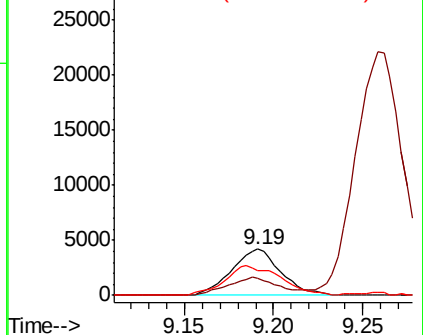
#49
 1,4-Dioxane
 Concen: 108.308 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 88 Resp: 8064
 Ion Ratio Lower Upper
 88 100
 43 39.0 29.1 43.7
 58 72.9 59.4 89.0

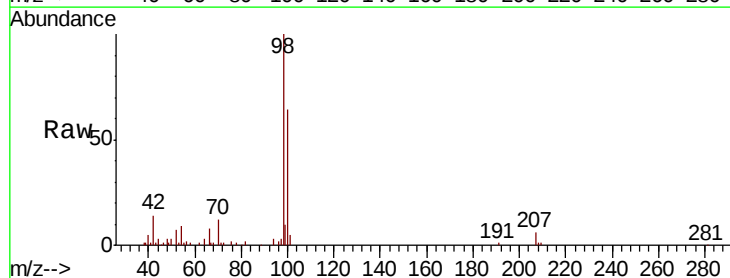


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

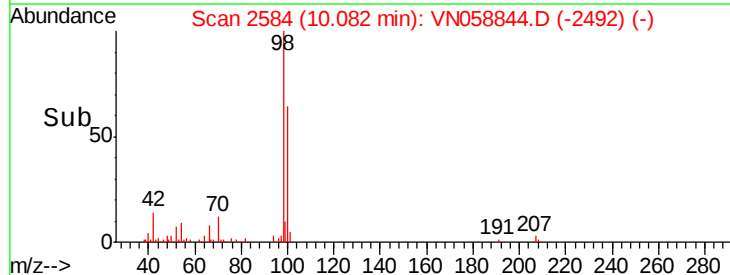
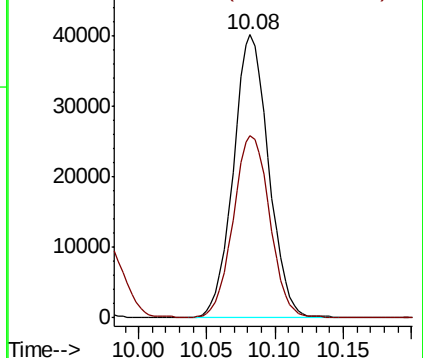


#50
 Toluene-d8
 Concen: 4.869 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. -0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

Tgt Ion: 98 Resp: 72285
 Ion Ratio Lower Upper
 98 100
 100 66.6 51.4 77.2



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: 25.848 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

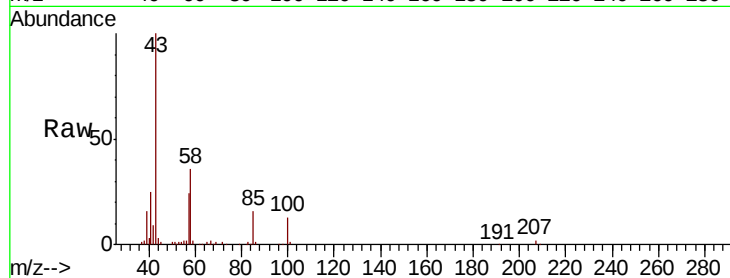
VSTDIC005

Tot Ion: 43 Resp: 153842

Ion Ratio Lower Upper

43 100

58 36.5 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

80000

60000

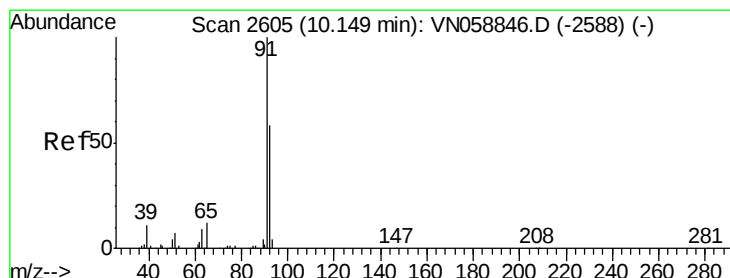
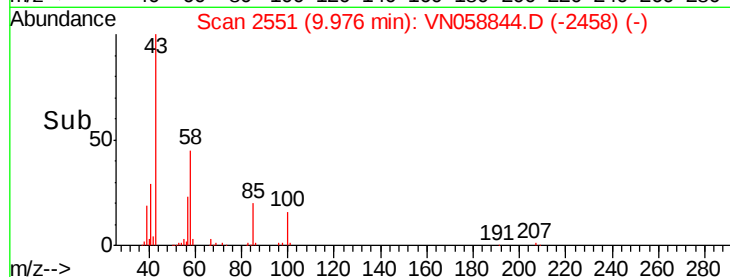
40000

20000

0

9.90 10.00

Time-->



#52

Toluene

Concen: 4.697 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN058844.D

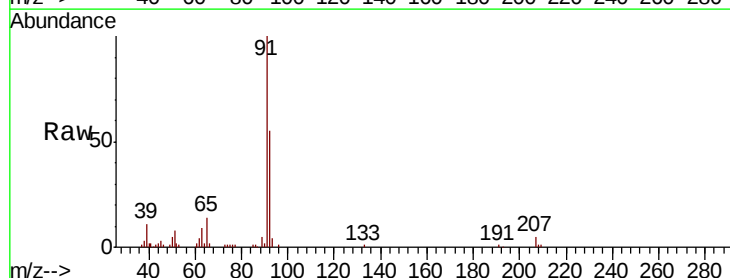
Acq: 18 Oct 2019 9:15

Tgt Ion: 92 Resp: 50251

Ion Ratio Lower Upper

92 100

91 182.7 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

50000

40000

30000

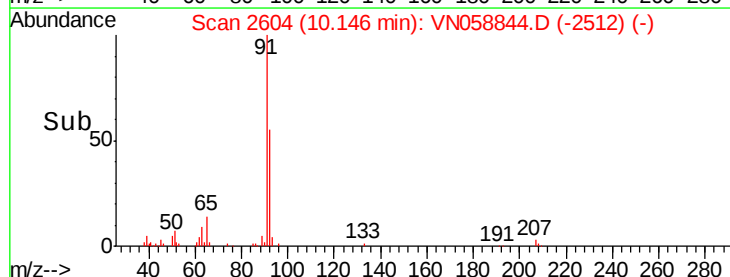
20000

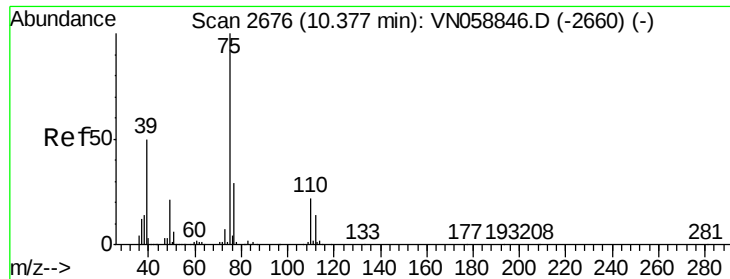
10000

0

10.10 10.15 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 4.737 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

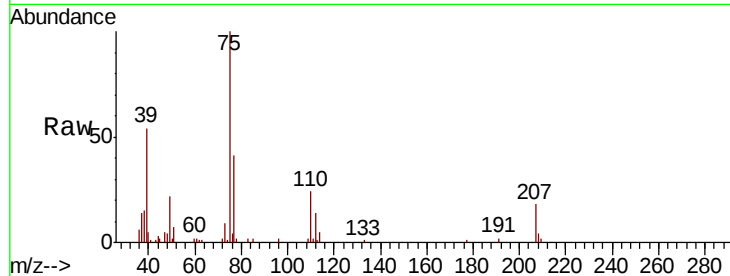
VSTDIC005

Tot Ion: 75 Resp: 32893

Ion Ratio Lower Upper

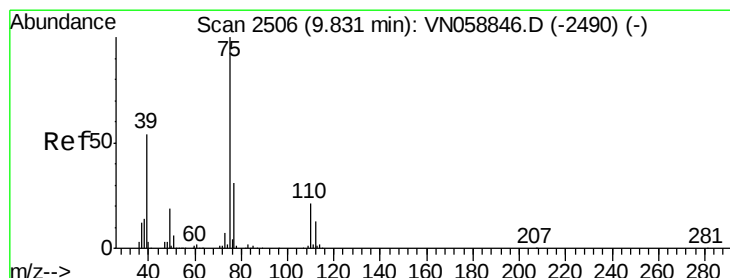
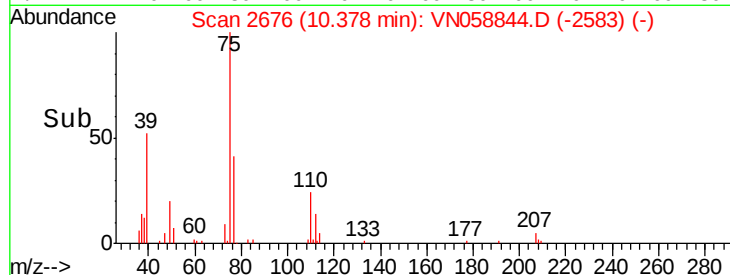
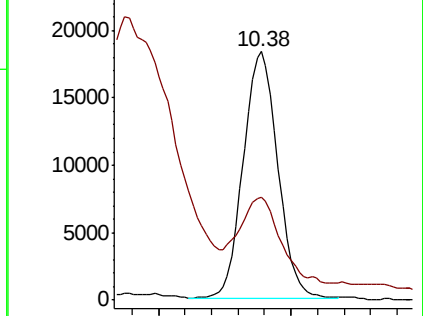
75 100

77 35.0 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 4.875 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

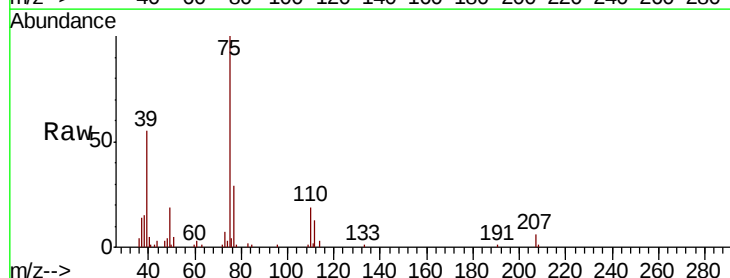
Tgt Ion: 75 Resp: 35993

Ion Ratio Lower Upper

75 100

77 29.4 24.7 37.1

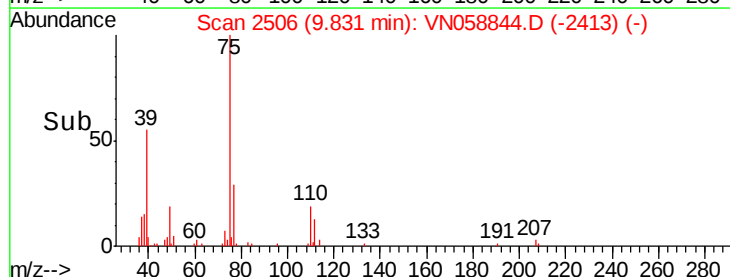
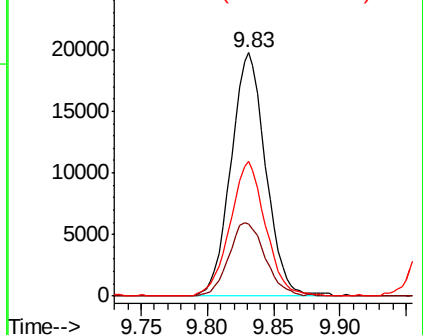
39 55.5 43.5 65.3

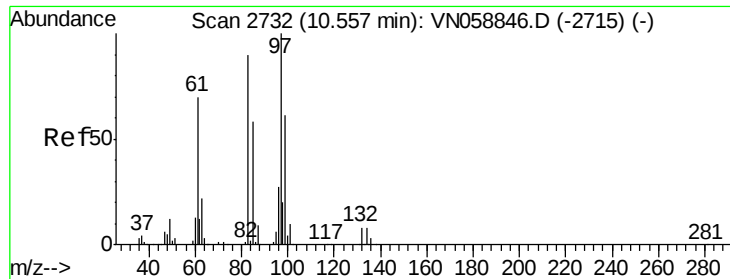


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

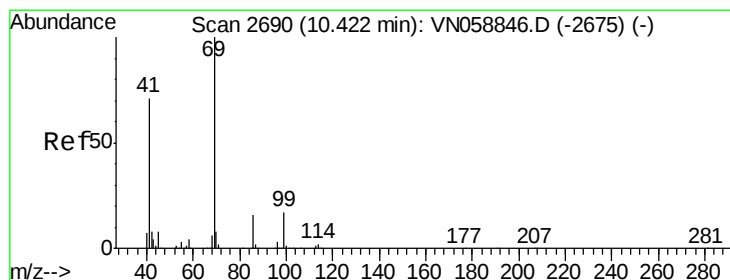
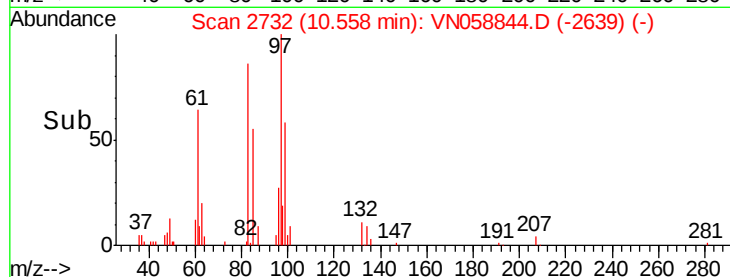
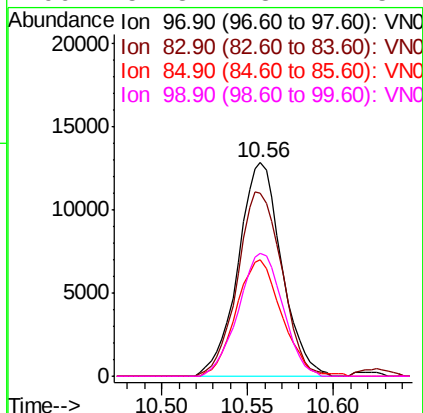
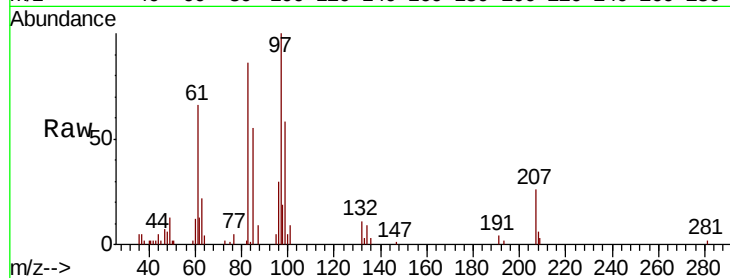




#55
 1,1,2-Trichloroethane
 Concen: 5.144 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

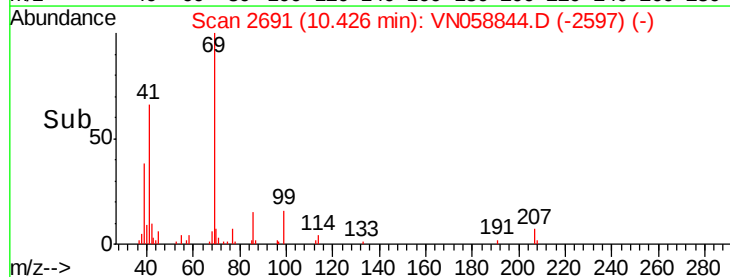
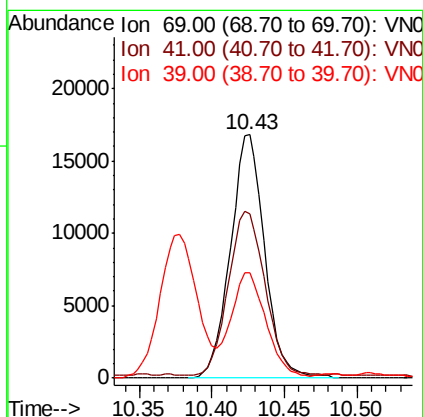
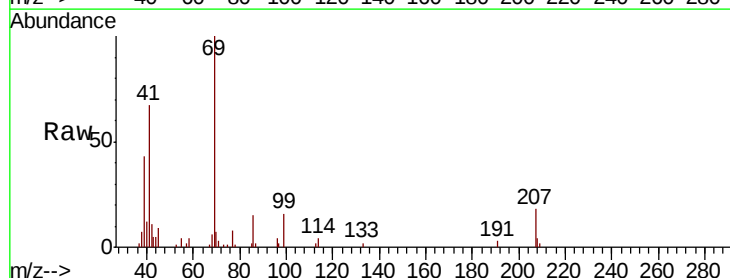
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

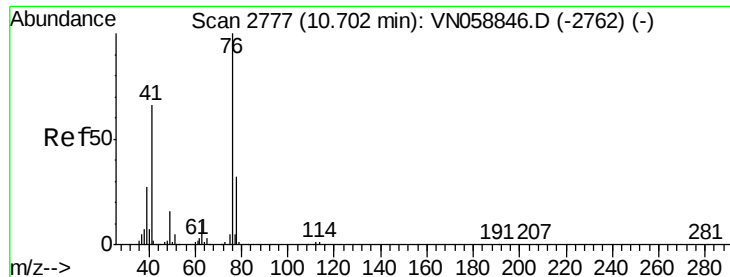
Tot Ion: 97 Resp: 22538
 Ion Ratio Lower Upper
 97 100
 83 85.9 72.2 108.4
 85 54.8 46.2 69.2
 99 57.8 48.7 73.1



#56
 Ethyl methacrylate
 Concen: 4.285 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

Tgt Ion: 69 Resp: 27429
 Ion Ratio Lower Upper
 69 100
 41 72.8 57.2 85.8
 39 43.0 31.0 46.4





#57

1,3-Dichloropropane

Concen: 5.065 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

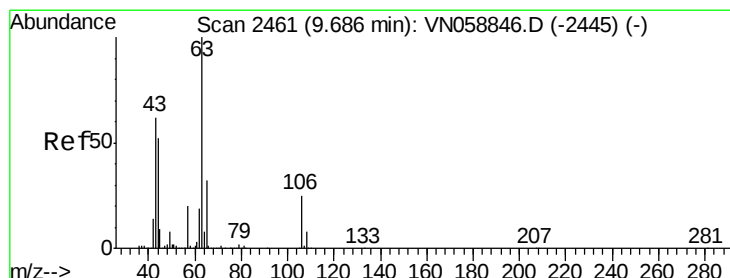
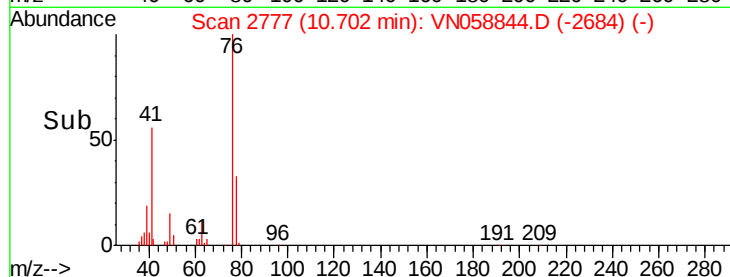
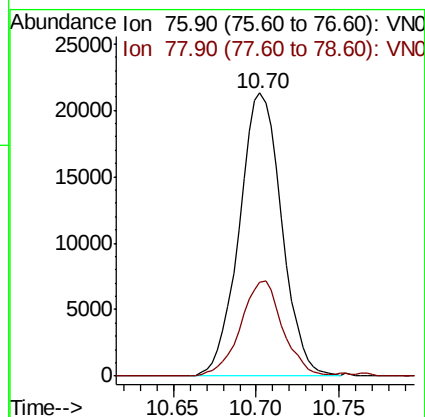
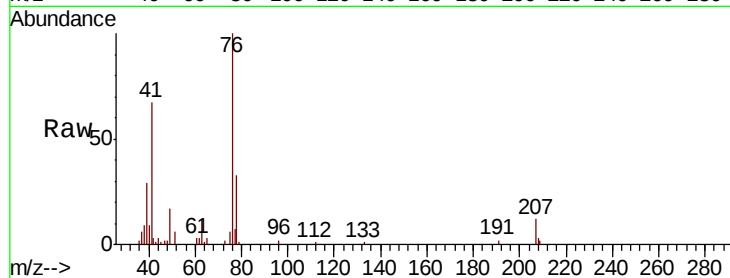
VSTDIC005

Tot Ion: 76 Resp: 37902

Ion Ratio Lower Upper

76 100

78 33.3 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 20.336 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058844.D

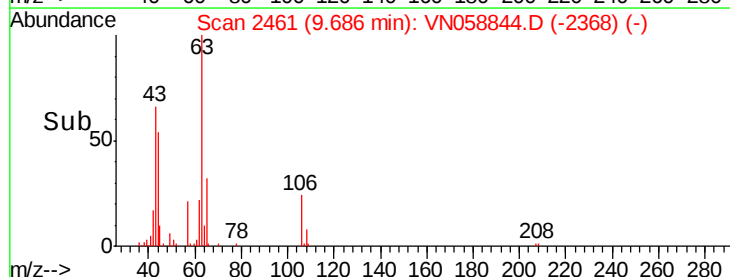
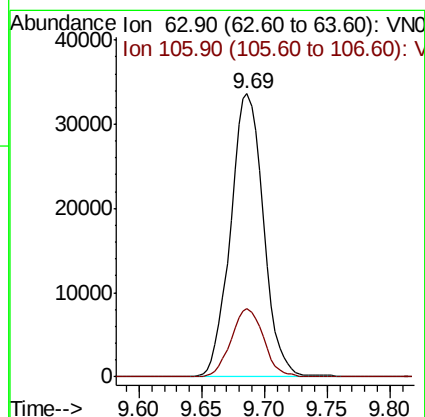
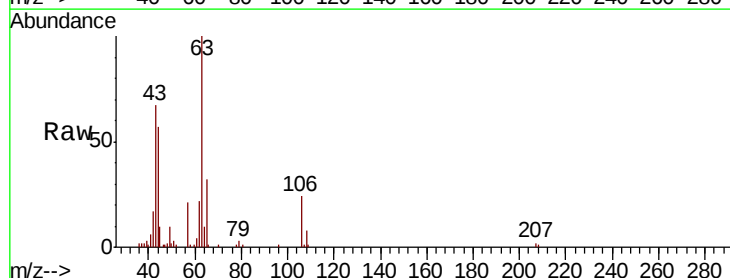
Acq: 18 Oct 2019 9:15

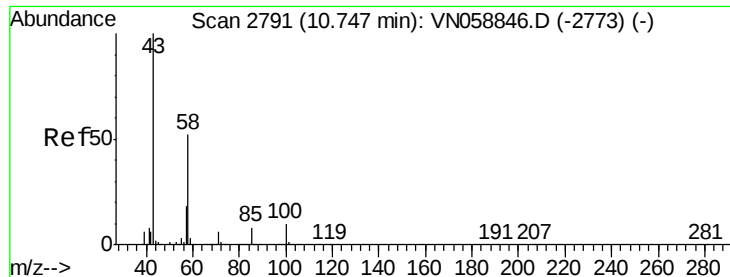
Tgt Ion: 63 Resp: 61571

Ion Ratio Lower Upper

63 100

106 23.7 19.8 29.8

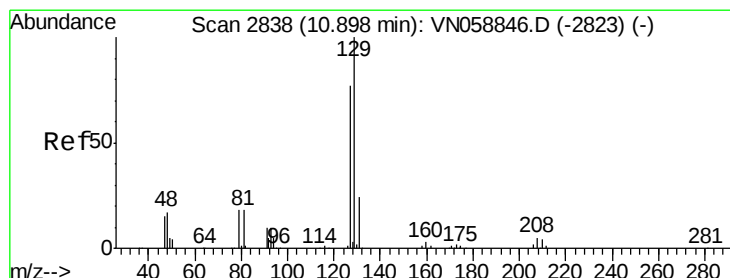
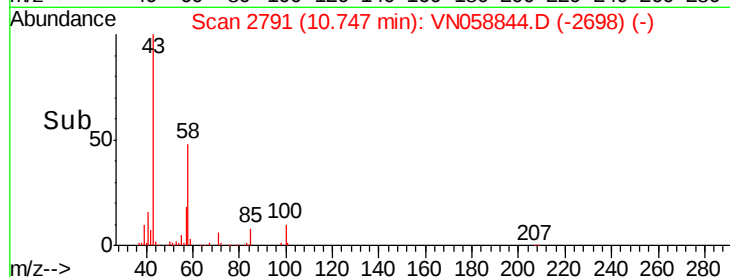
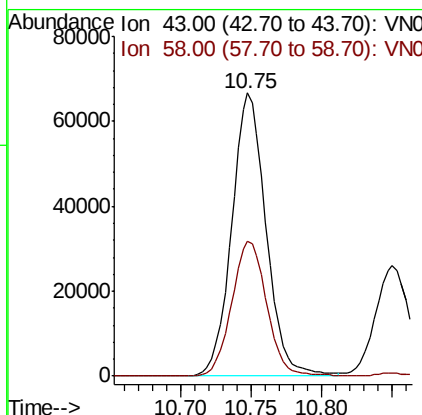
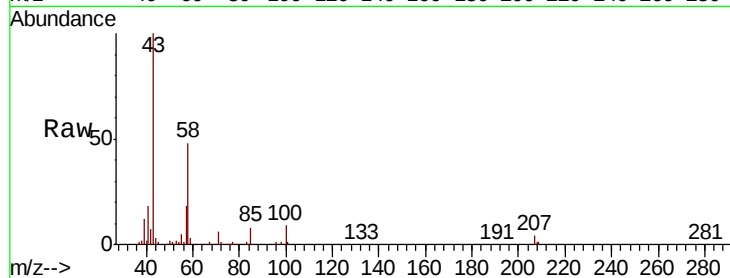




#59
2-Hexanone
Concen: 24.404 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

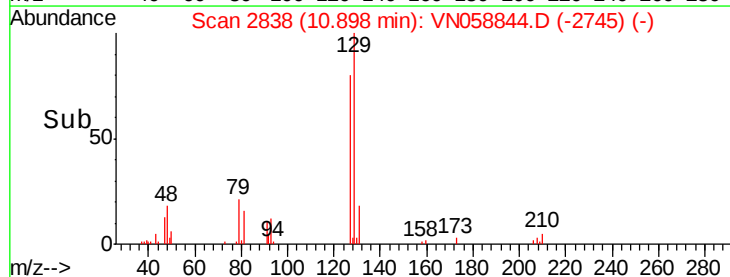
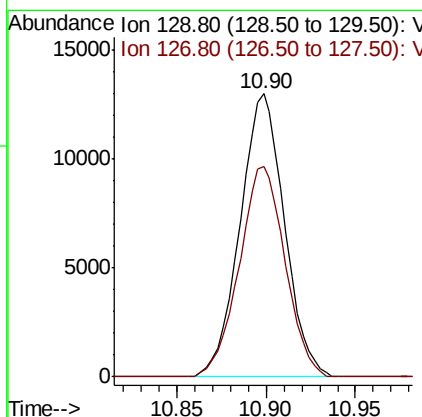
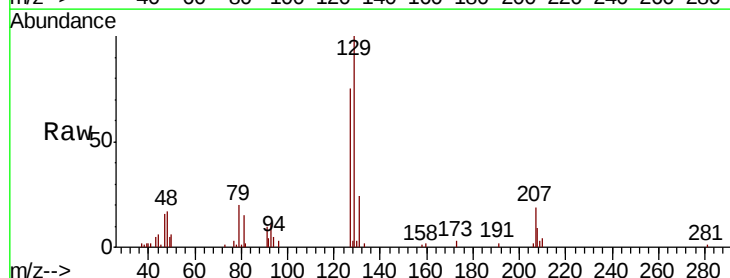
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

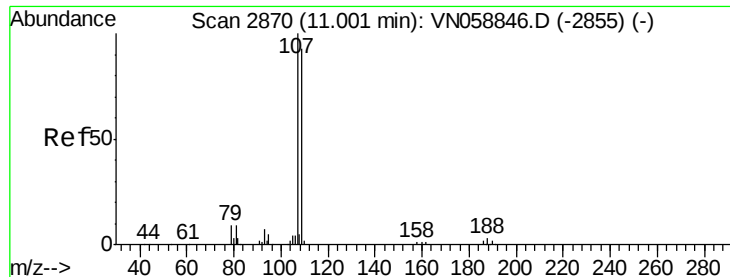
Tot Ion: 43 Resp: 112593
Ion Ratio Lower Upper
43 100
58 49.1 25.9 77.7



#60
Dibromochloromethane
Concen: 4.987 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion: 129 Resp: 22562
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.3

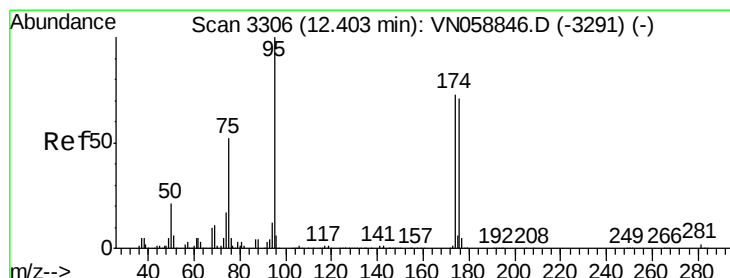
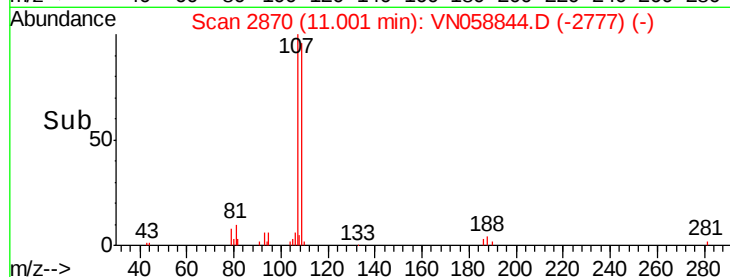
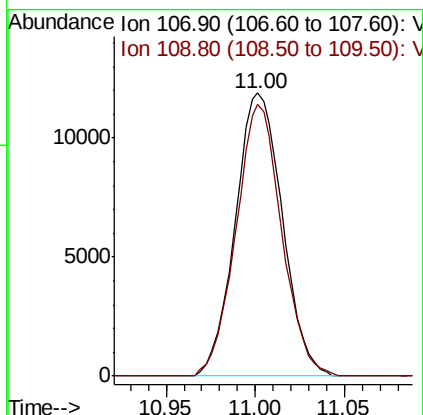
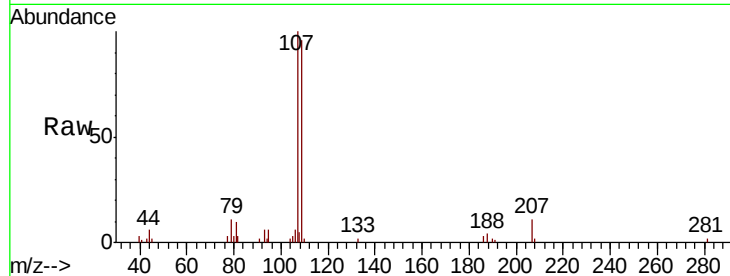




#61
 1,2-Dibromoethane
 Concen: 4.984 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

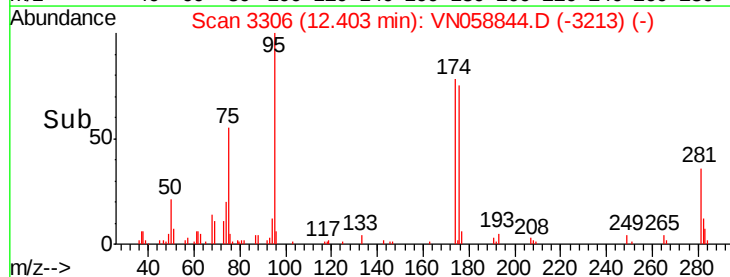
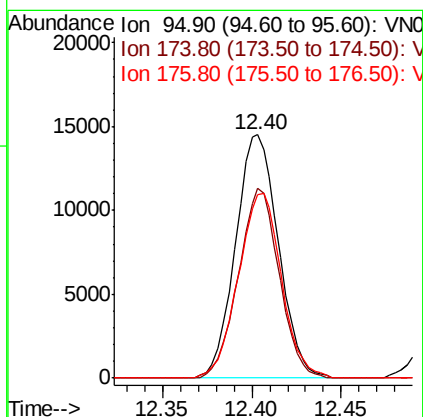
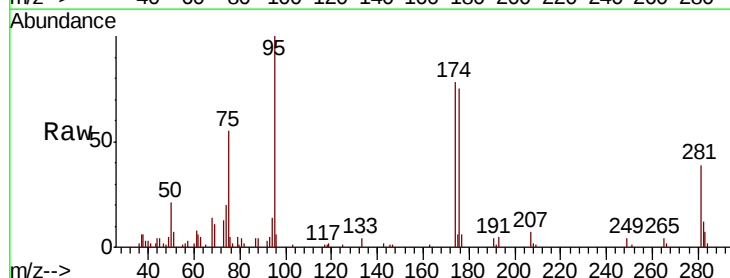
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 107 Resp: 21891
 Ion Ratio Lower Upper
 107 100
 109 93.2 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 4.356 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

Tgt Ion: 95 Resp: 24344
 Ion Ratio Lower Upper
 95 100
 174 74.5 0.0 147.6
 176 76.5 0.0 143.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

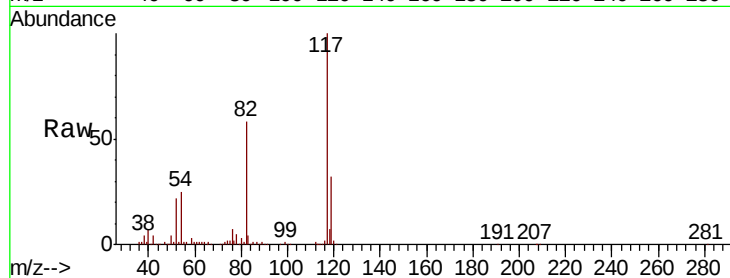
Tot Ion:117 Resp: 548203

Ion Ratio Lower Upper

117 100

82 58.5 46.6 69.8

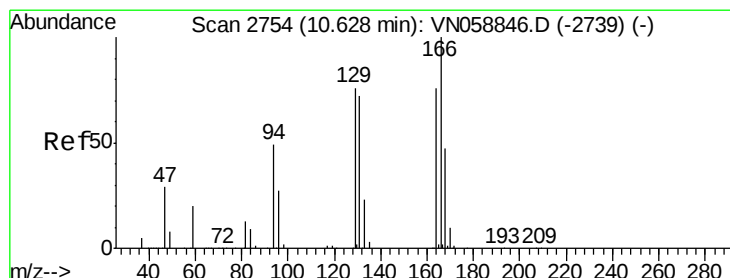
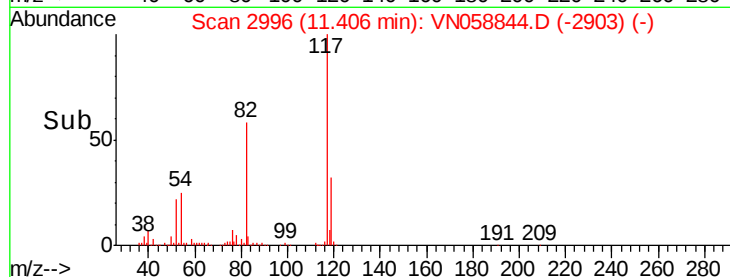
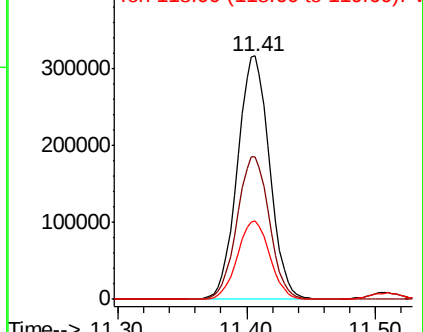
119 32.1 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 4.926 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Tgt Ion:164 Resp: 19011

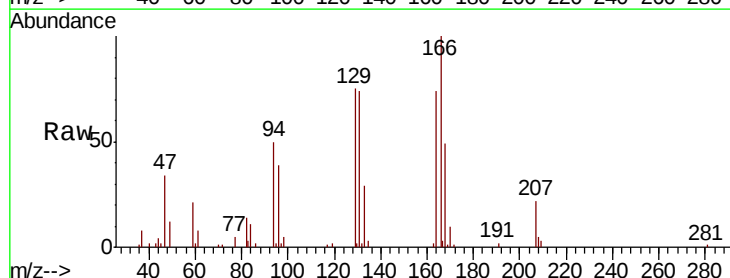
Ion Ratio Lower Upper

164 100

166 135.6 104.8 157.2

129 102.1 79.3 118.9

131 100.9 75.8 113.6

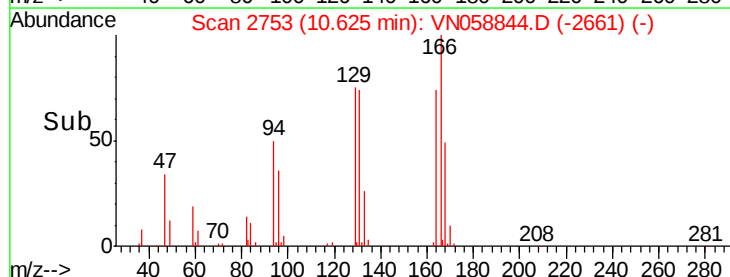
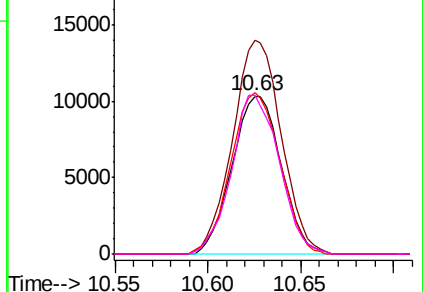


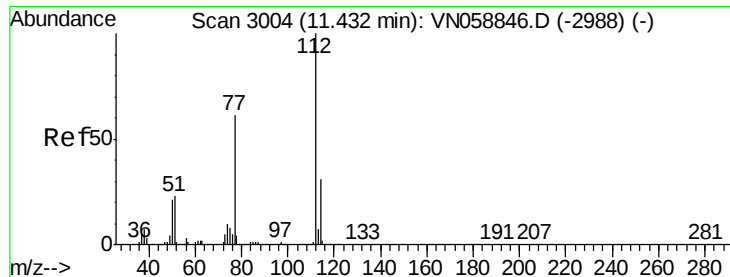
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 4.862 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

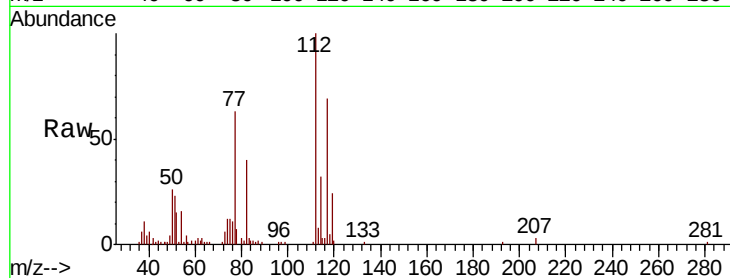
VSTDIC005

Tot Ion:112 Resp: 54447

Ion Ratio Lower Upper

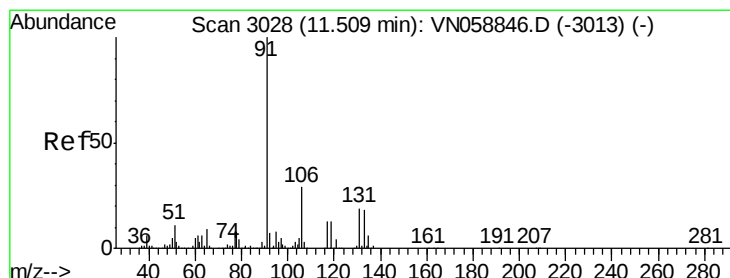
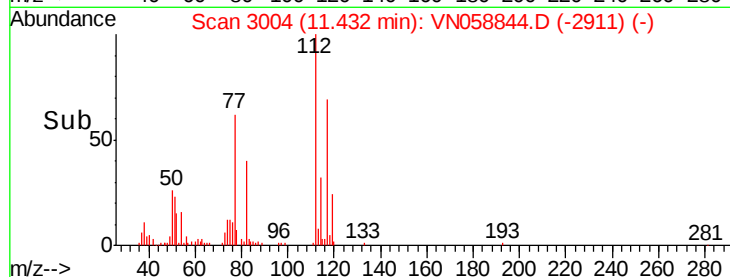
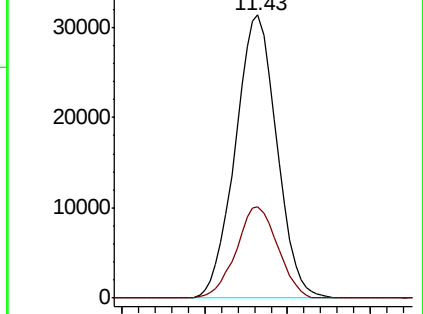
112 100

114 32.2 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.175 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

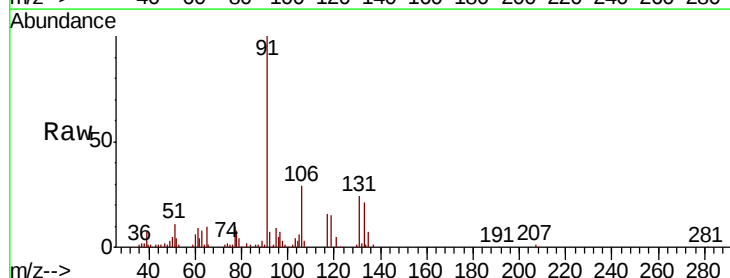
Tgt Ion:131 Resp: 21447

Ion Ratio Lower Upper

131 100

133 96.9 48.4 145.2

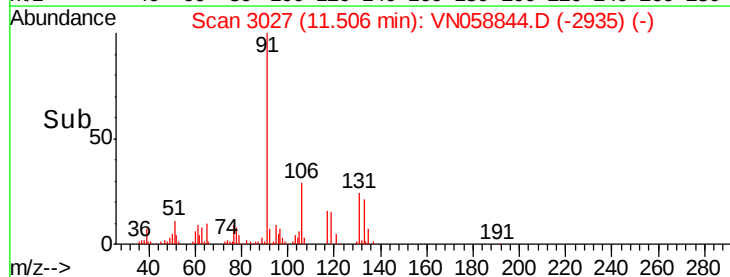
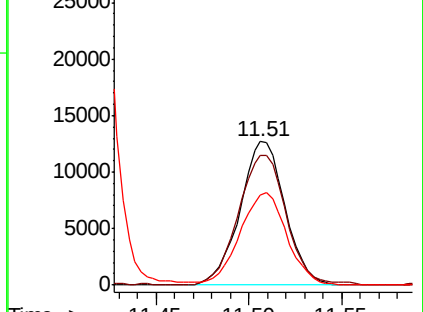
119 67.7 33.6 100.8

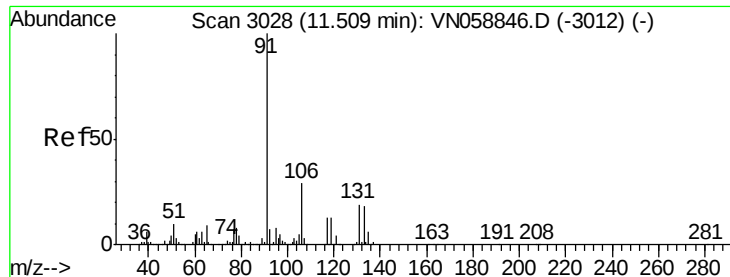


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 4.702 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampled :

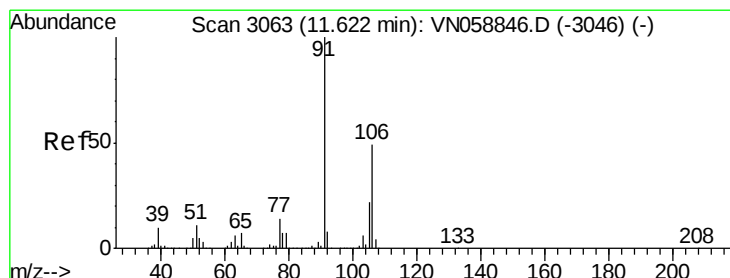
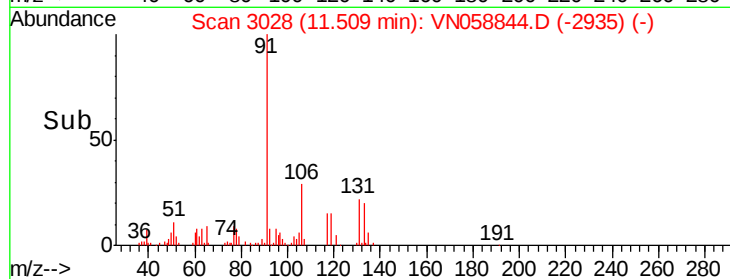
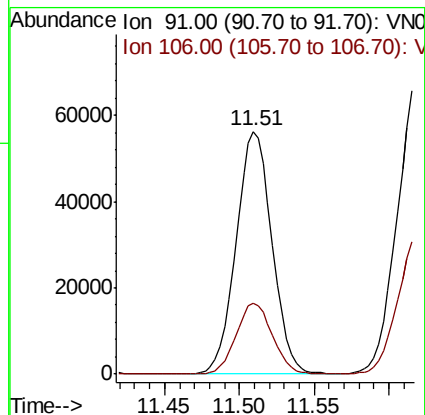
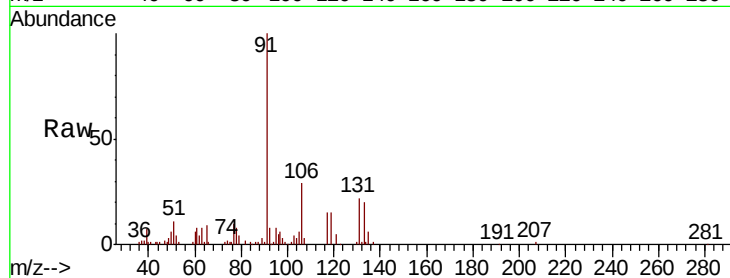
VSTDIC005

Tot Ion: 91 Resp: 93837

Ion Ratio Lower Upper

91 100

106 29.2 23.4 35.0



#68

m/p-Xylenes

Concen: 8.744 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058844.D

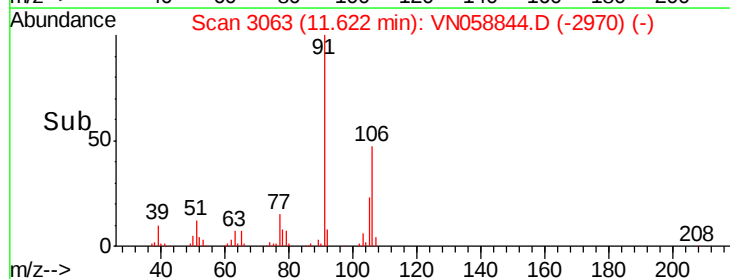
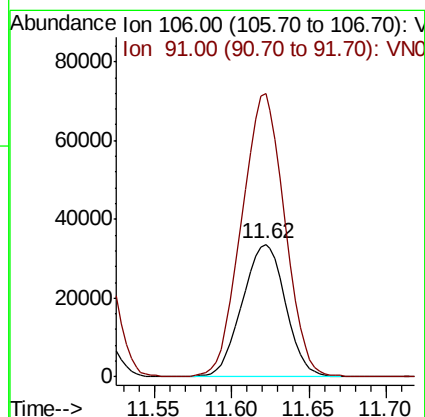
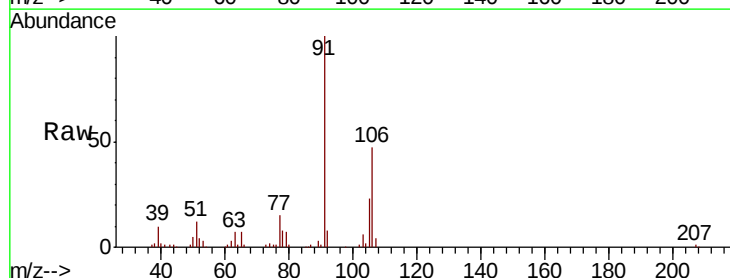
Acq: 18 Oct 2019 9:15

Tgt Ion: 106 Resp: 65465

Ion Ratio Lower Upper

106 100

91 212.9 166.6 249.8

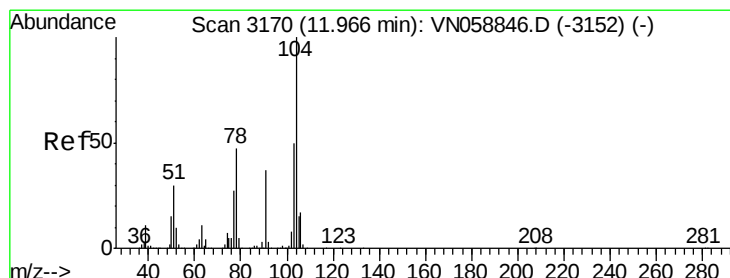
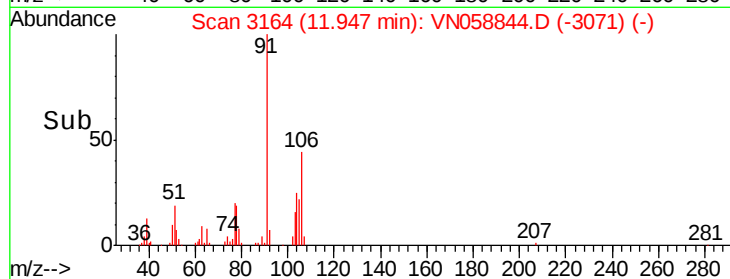
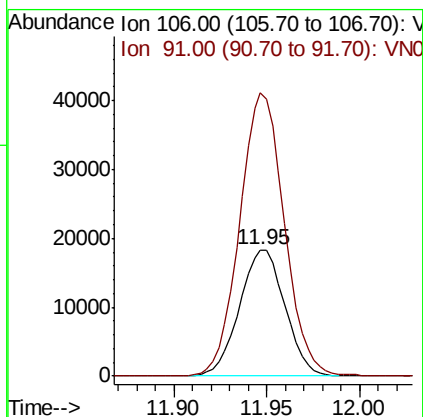
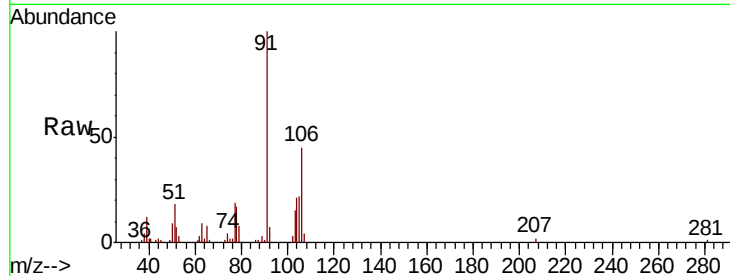




#69
o-Xylene
Concen: 4.296 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

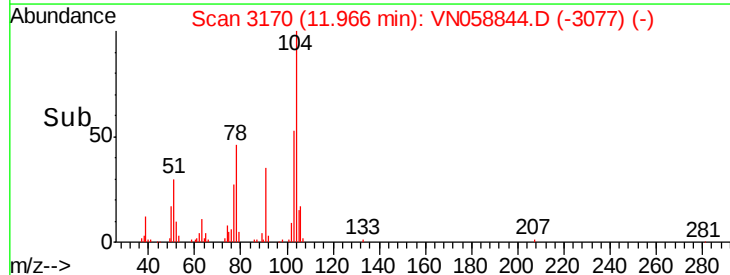
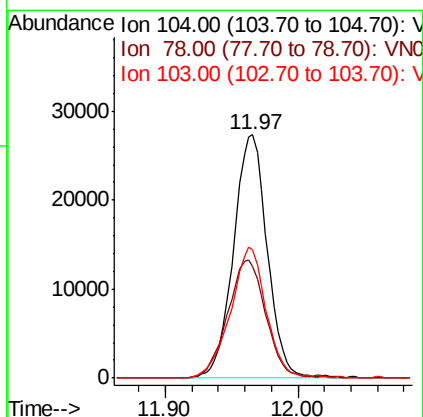
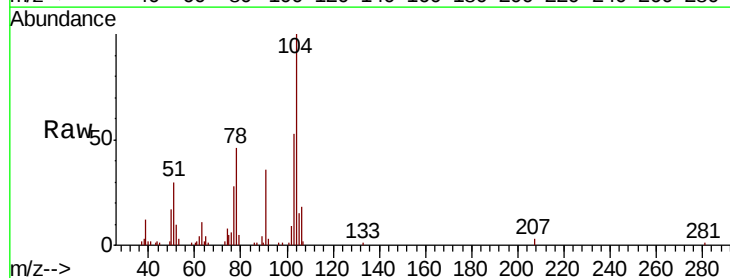
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

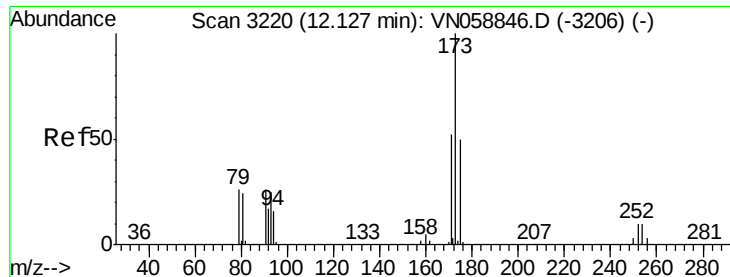
Tot Ion:106 Resp: 31083
Ion Ratio Lower Upper
106 100
91 220.7 111.5 334.4



#70
Styrene
Concen: 4.076 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion:104 Resp: 48314
Ion Ratio Lower Upper
104 100
78 54.4 42.8 64.2
103 56.6 44.3 66.5

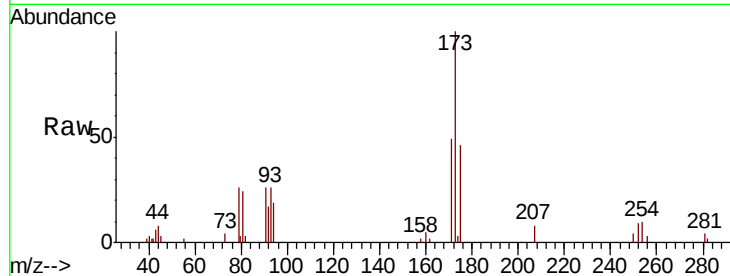




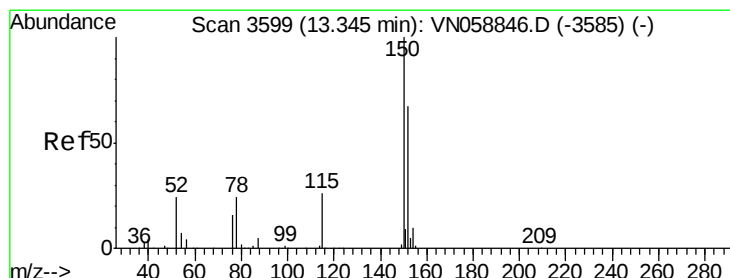
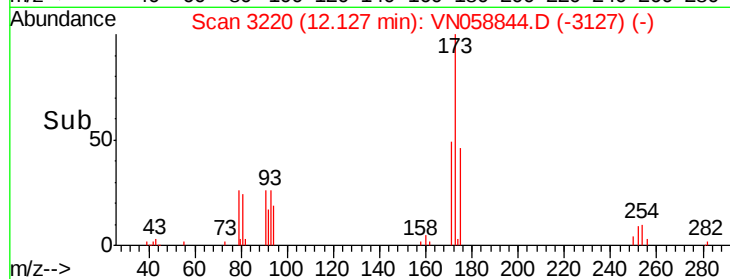
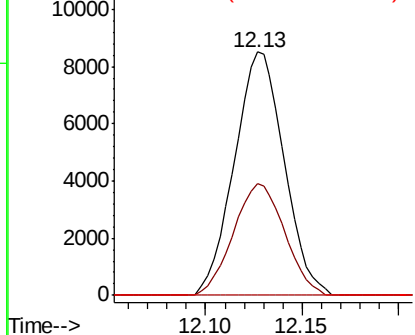
#71
Bromoform
Concen: 4.971 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:173 Resp: 15204
Ion Ratio Lower Upper
173 100
175 47.3 24.7 74.1
254 0.0 0.0 0.0

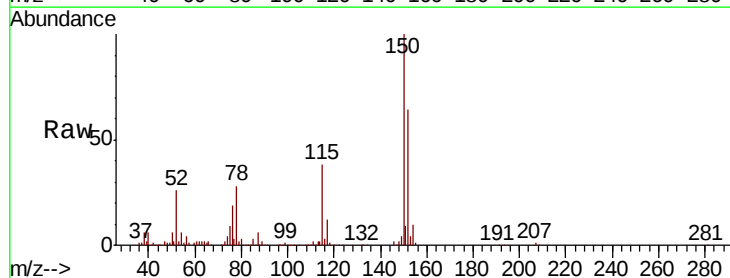


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

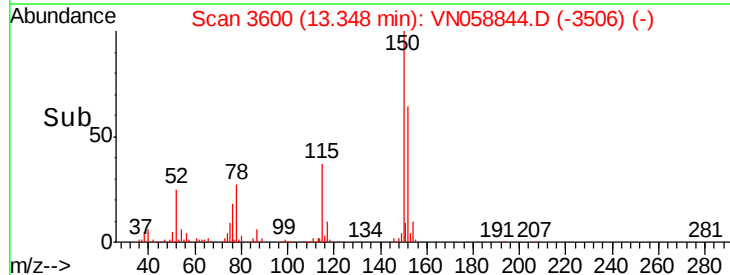
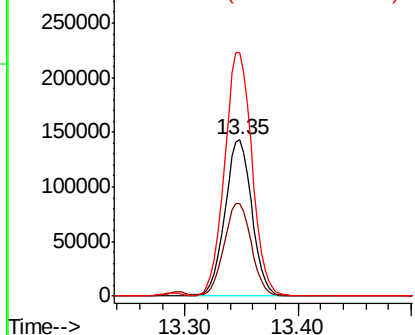


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion:152 Resp: 236972
Ion Ratio Lower Upper
152 100
115 59.9 30.5 91.5
150 158.3 0.0 344.4



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: 4.890 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

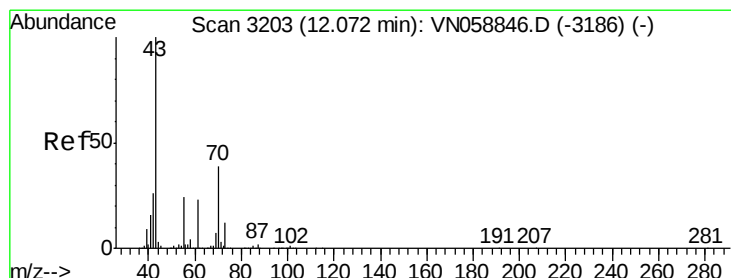
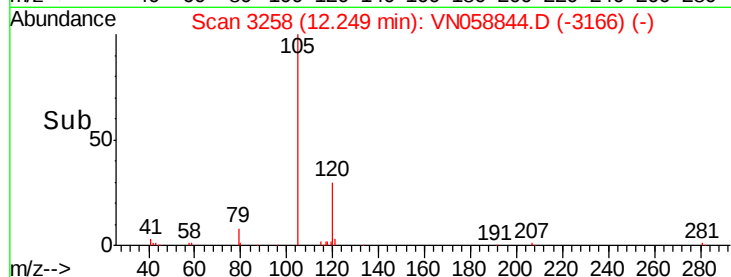
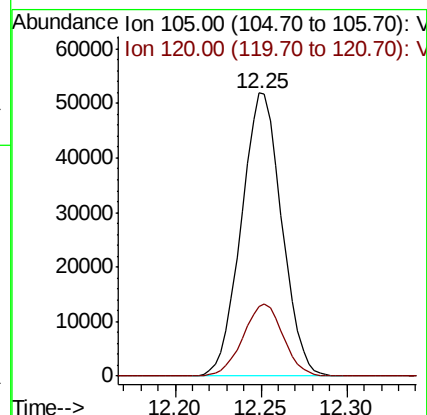
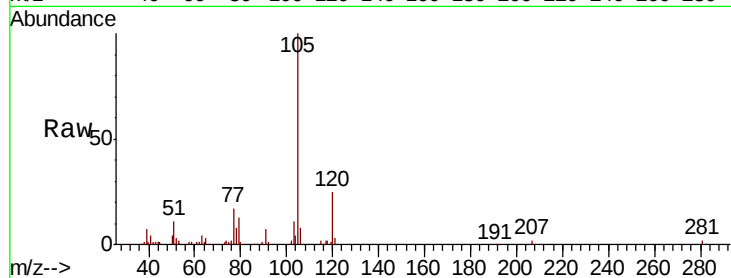
VSTDIC005

Tot Ion:105 Resp: 84544

Ion Ratio Lower Upper

105 100

120 25.5 12.8 38.4



#74

N-ethyl acetate

Concen: 4.552 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Tgt Ion: 43 Resp: 35643

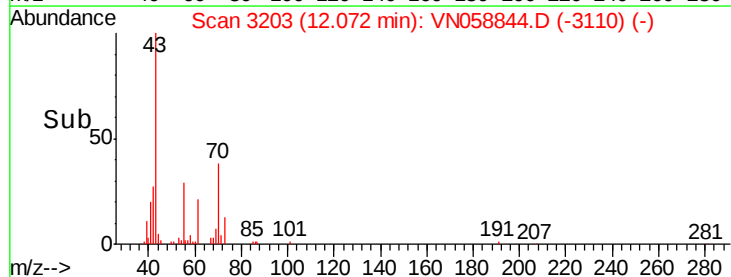
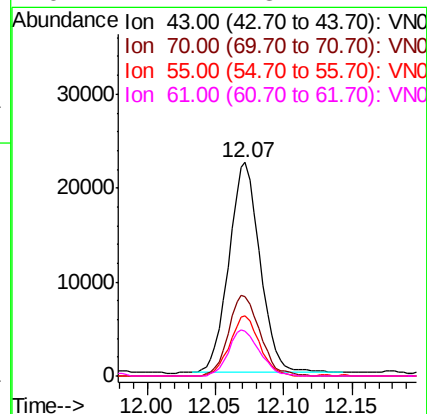
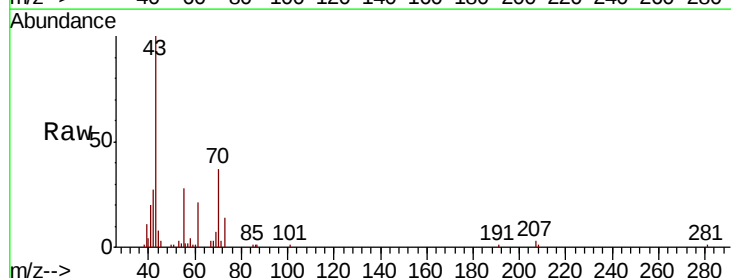
Ion Ratio Lower Upper

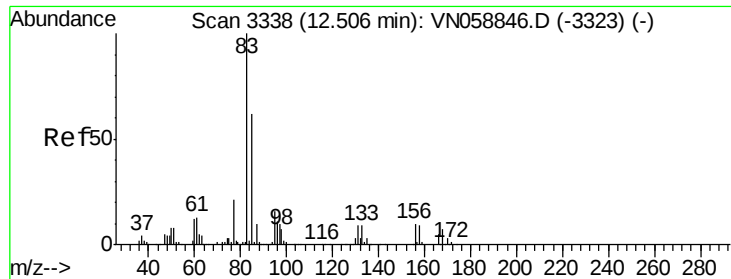
43 100

70 39.0 30.9 46.3

55 27.3 19.7 29.5

61 21.7 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 5.501 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

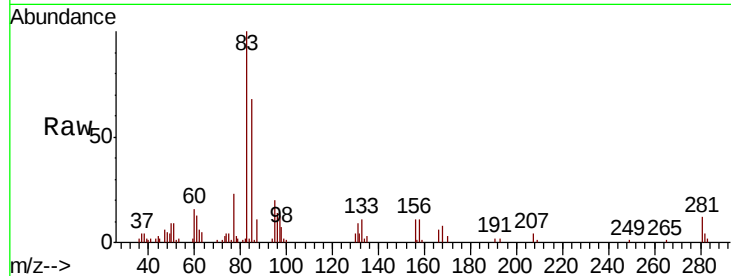
Tot Ion: 83 Resp: 31581

Ion Ratio Lower Upper

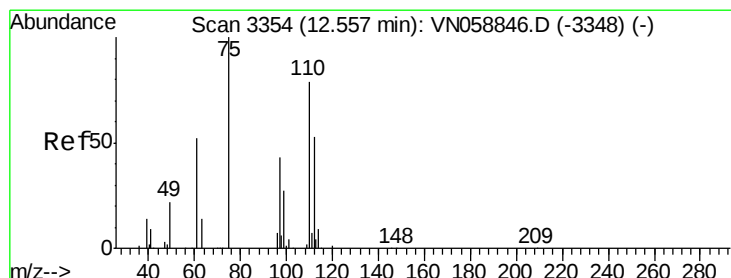
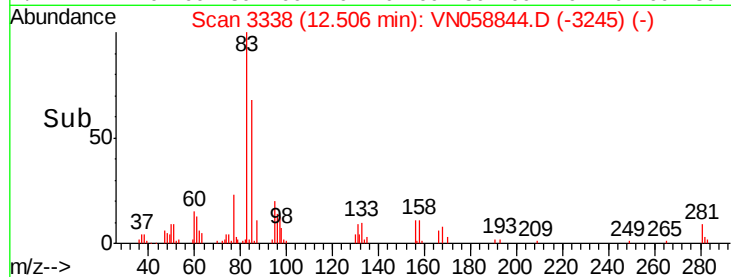
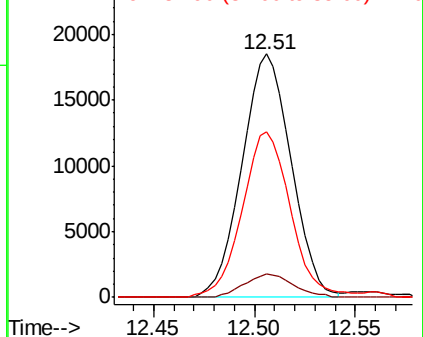
83 100

131 9.4 4.7 14.1

85 66.7 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 8.058 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN058844.D

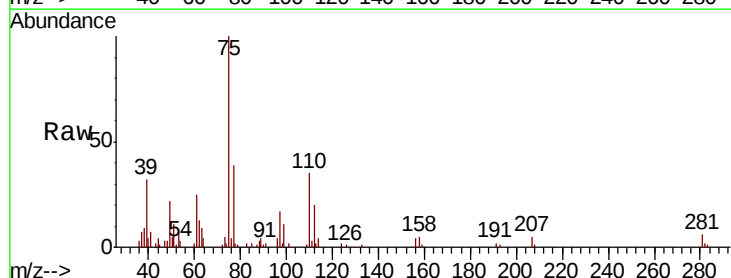
Acq: 18 Oct 2019 9:15

Tgt Ion: 75 Resp: 42975

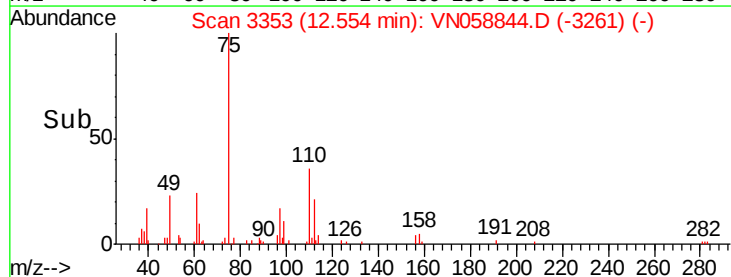
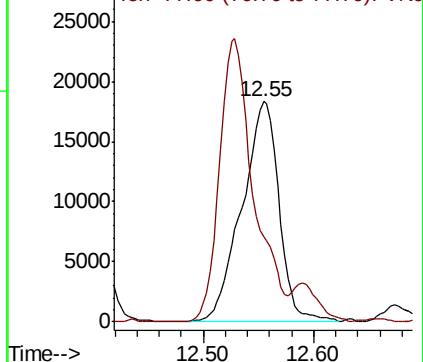
Ion Ratio Lower Upper

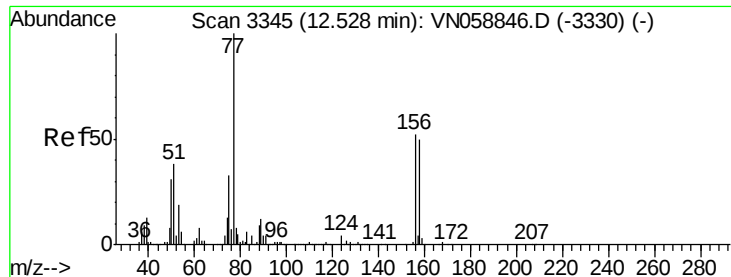
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 5.250 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

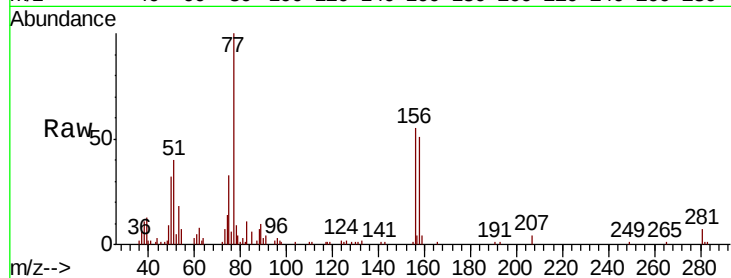
Tot Ion:156 Resp: 22119

Ion Ratio Lower Upper

156 100

77 229.4 118.0 354.0

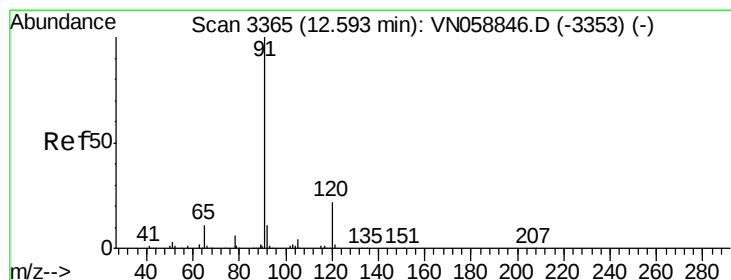
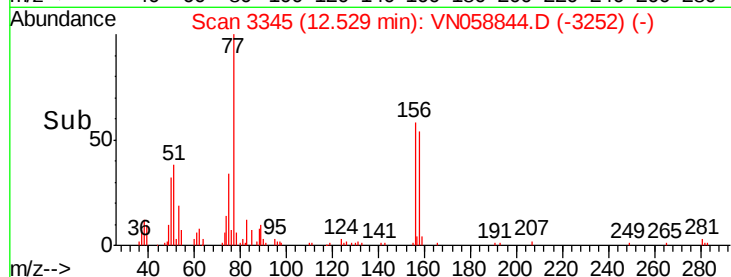
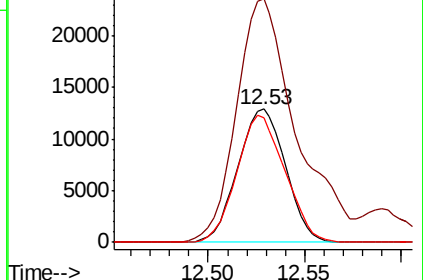
158 96.3 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.986 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058844.D

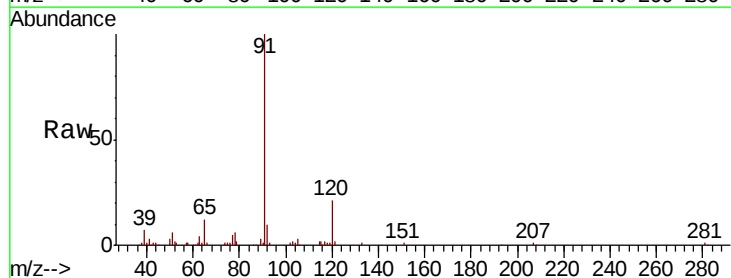
Acq: 18 Oct 2019 9:15

Tgt Ion: 91 Resp: 100574

Ion Ratio Lower Upper

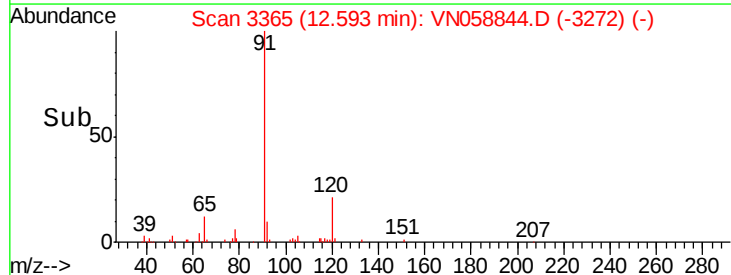
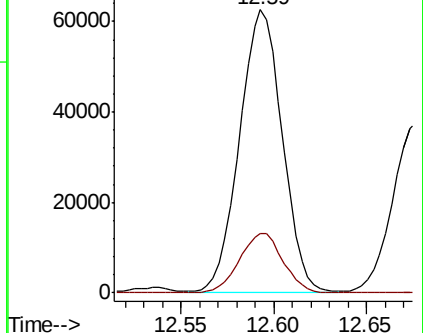
91 100

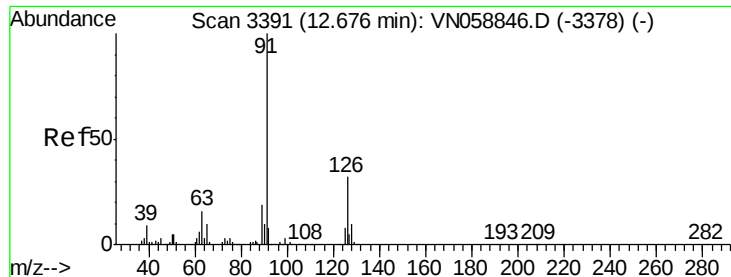
120 21.3 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V

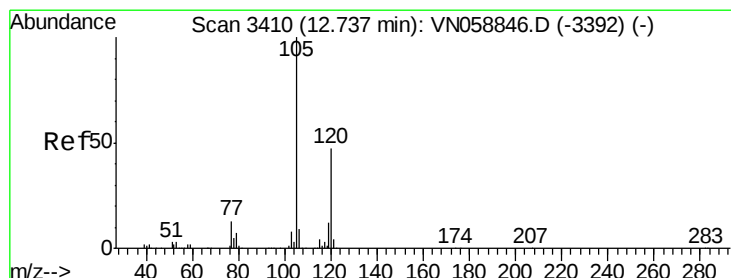
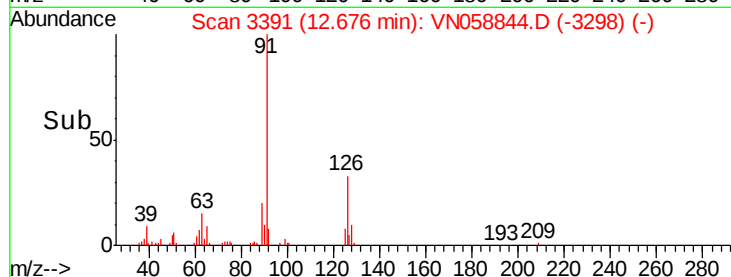
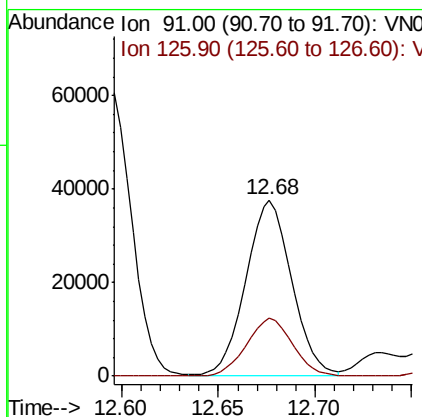
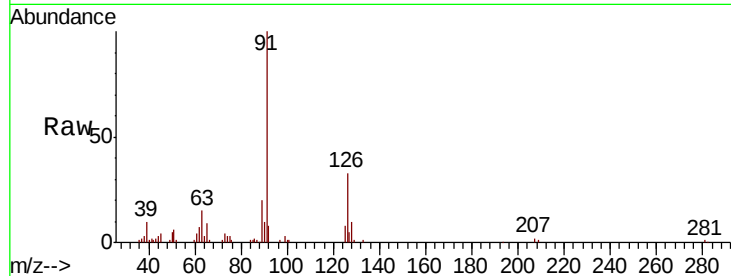




#79
 2-Chlorotoluene
 Concen: 4.986 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

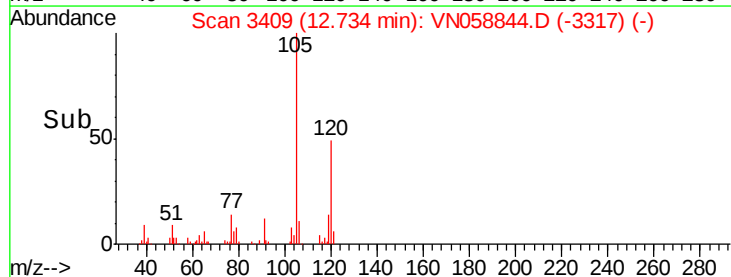
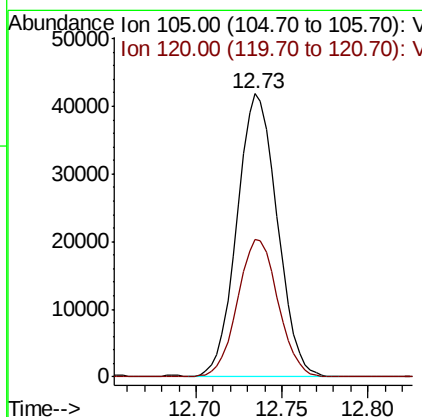
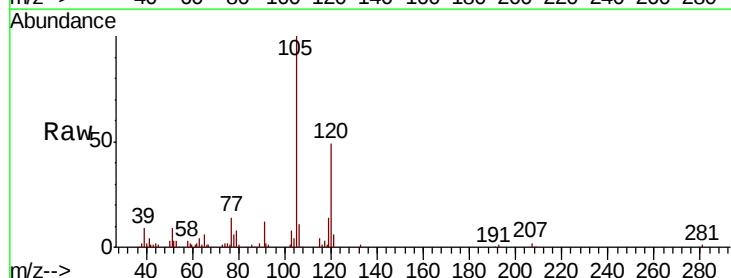
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 62414
 Ion Ratio Lower Upper
 91 100
 126 32.9 16.2 48.6



#80
 1,3,5-Trimethylbenzene
 Concen: 4.616 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

Tgt Ion: 105 Resp: 68137
 Ion Ratio Lower Upper
 105 100
 120 48.7 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 4.743 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

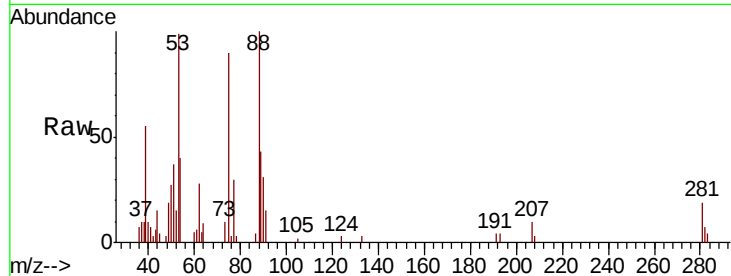
Tot Ion: 75 Resp: 9425

Ion Ratio Lower Upper

75 100

53 102.8 78.6 118.0

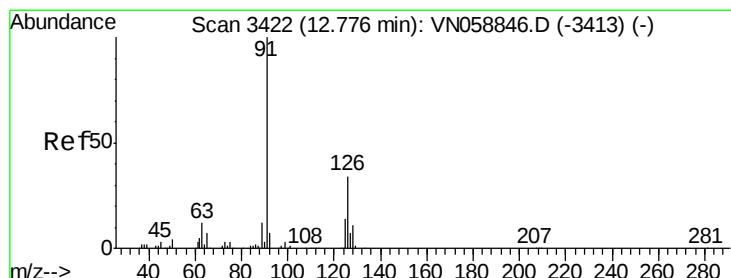
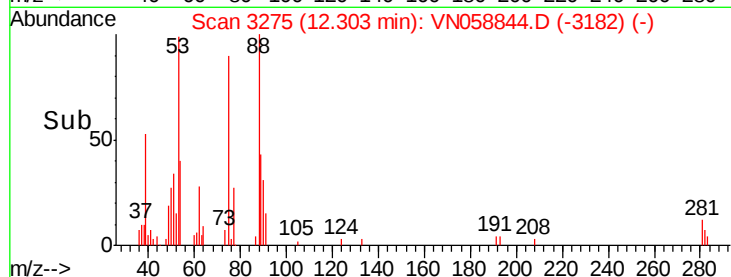
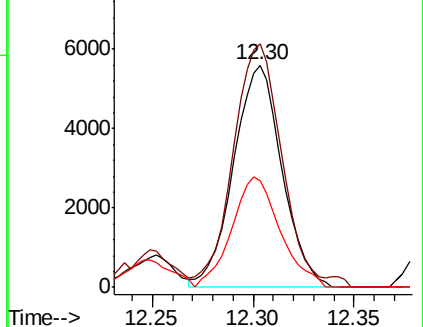
89 49.4 35.4 53.0



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: 4.894 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058844.D

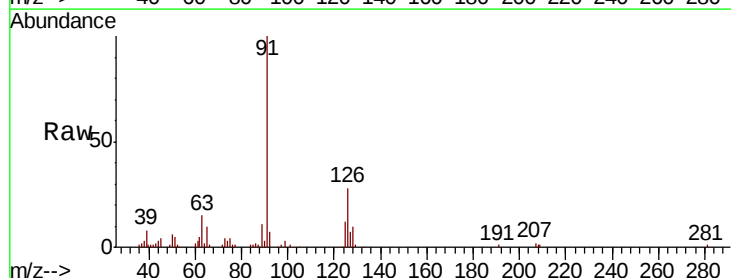
Acq: 18 Oct 2019 9:15

Tgt Ion: 91 Resp: 62831

Ion Ratio Lower Upper

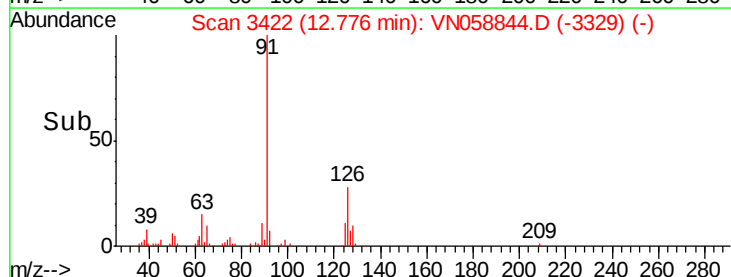
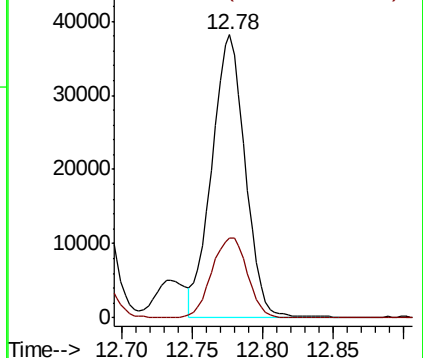
91 100

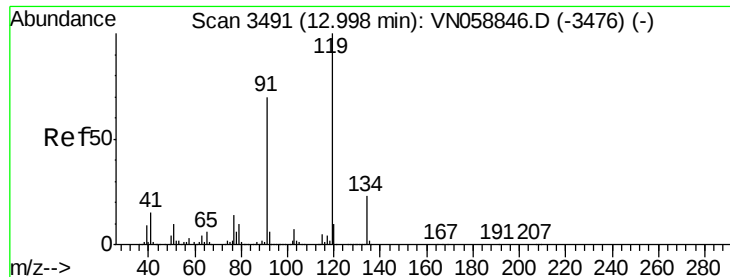
126 30.0 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

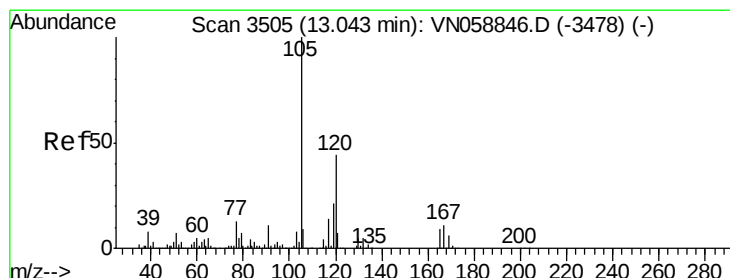
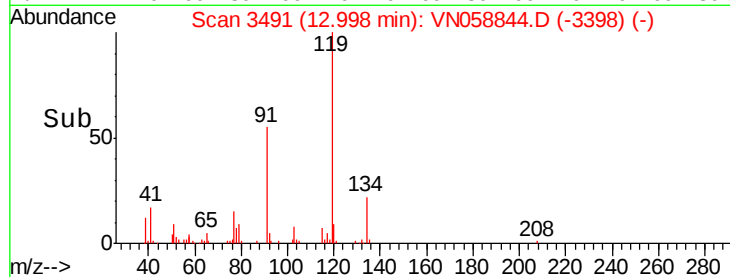
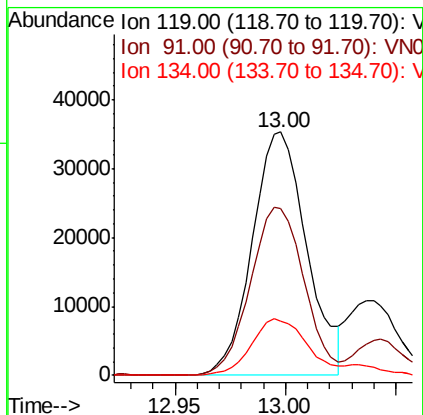
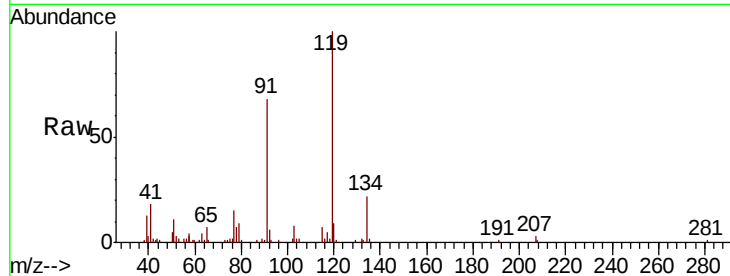




#83
tert-Butylbenzene
Concen: 4.778 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

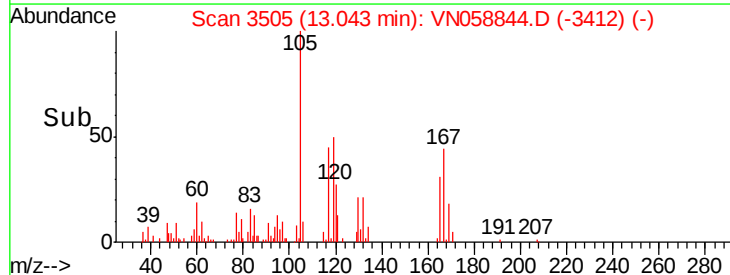
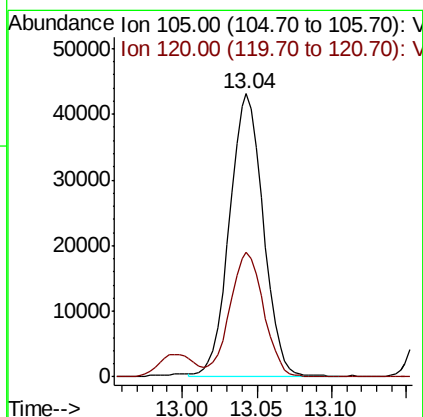
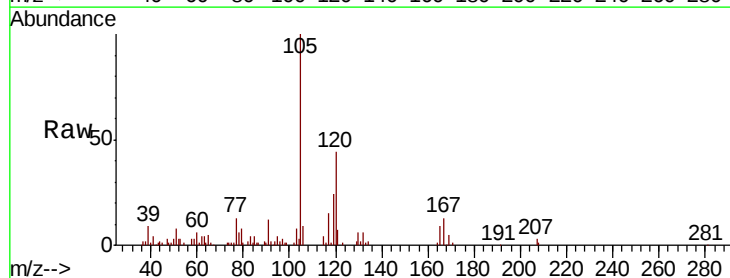
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

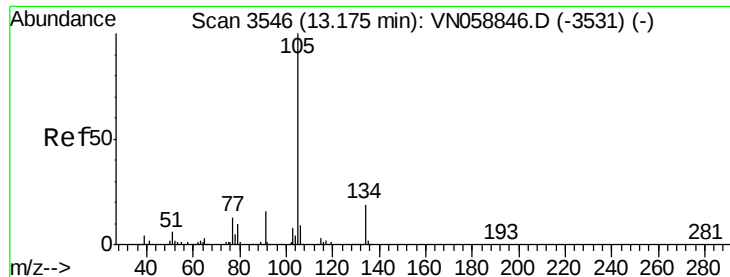
Tot Ion:119 Resp: 60406
Ion Ratio Lower Upper
119 100
91 68.2 34.1 102.3
134 23.9 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 4.629 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion:105 Resp: 67918
Ion Ratio Lower Upper
105 100
120 44.2 21.9 65.8





#85

sec-Butylbenzene

Concen: 4.765 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

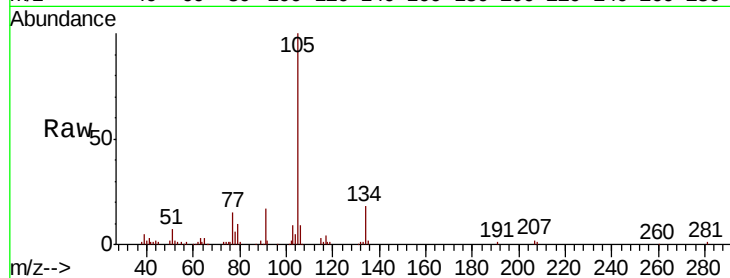
VSTDIC005

Tot Ion:105 Resp: 79461

Ion Ratio Lower Upper

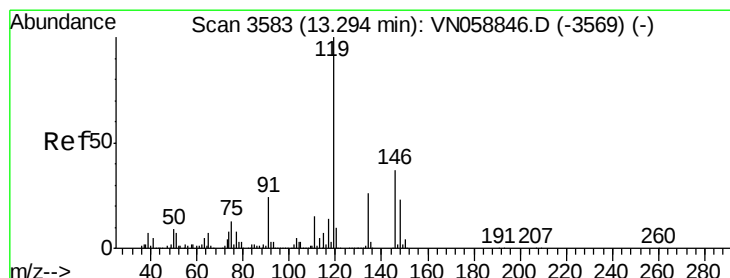
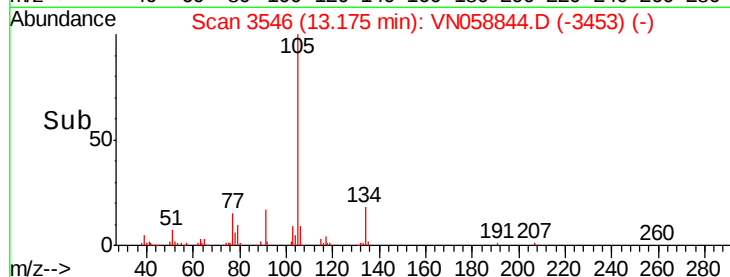
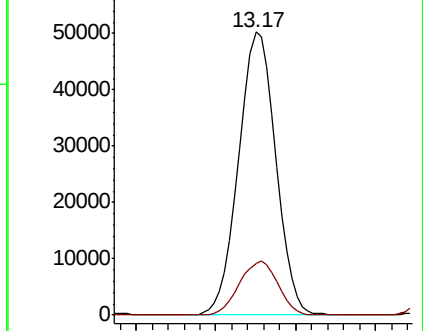
105 100

134 19.8 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.393 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

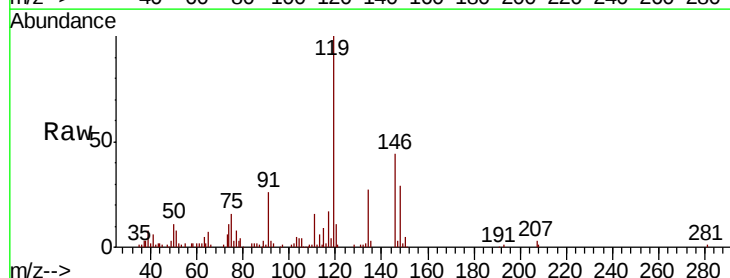
Tgt Ion:119 Resp: 66411

Ion Ratio Lower Upper

119 100

134 26.8 12.8 38.4

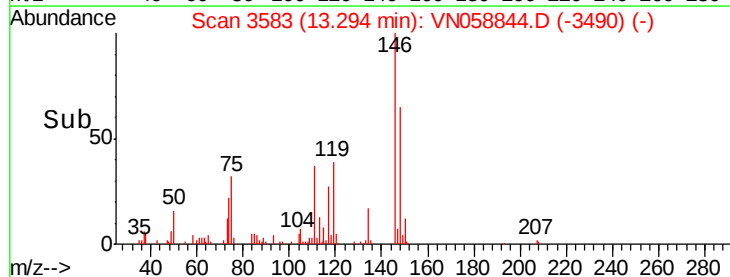
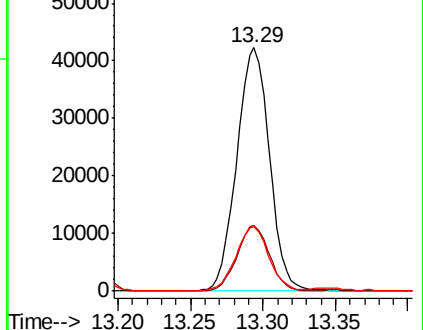
91 26.5 12.2 36.4

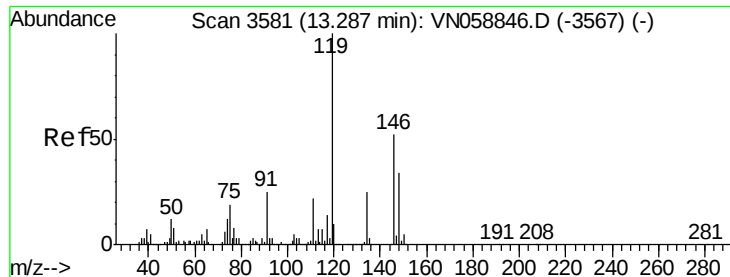


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

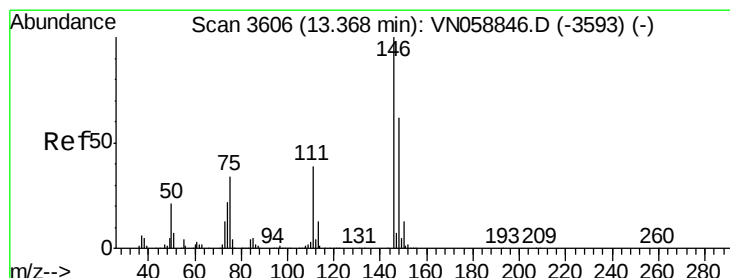
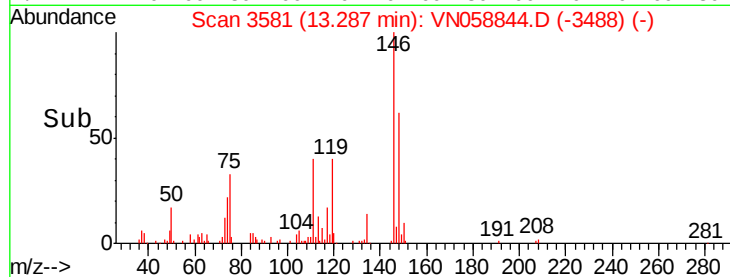
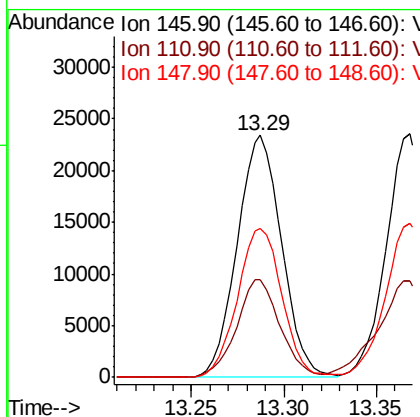
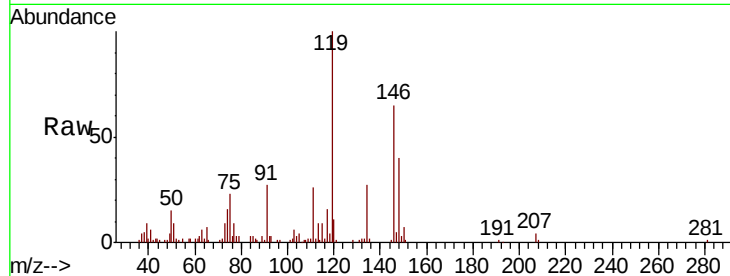




#87
 1,3-Dichlorobenzene
 Concen: 5.030 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

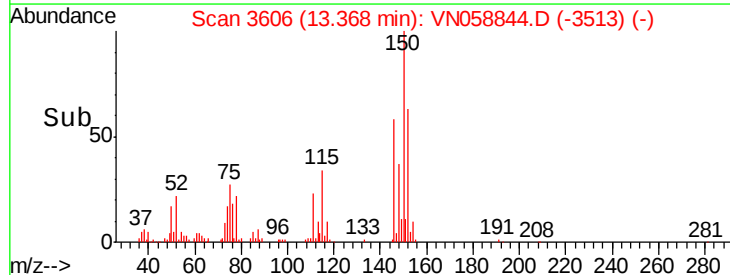
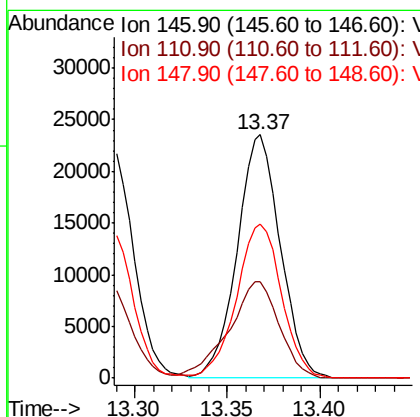
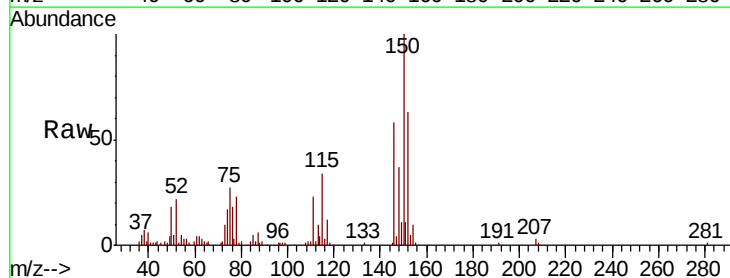
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

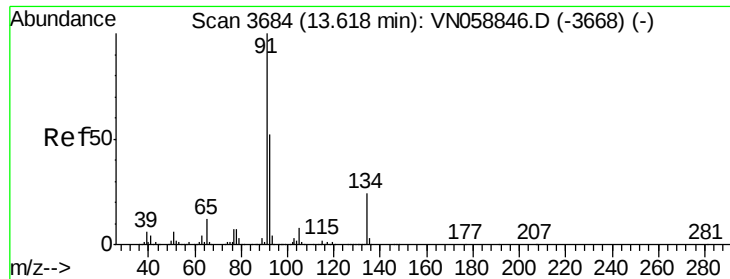
Tot Ion:146 Resp: 38947
 Ion Ratio Lower Upper
 146 100
 111 39.4 21.0 63.0
 148 61.5 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 4.817 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

Tgt Ion:146 Resp: 37971
 Ion Ratio Lower Upper
 146 100
 111 46.5 20.2 60.6
 148 66.3 31.6 94.7





#89

n-Butylbenzene

Concen: 4.372 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

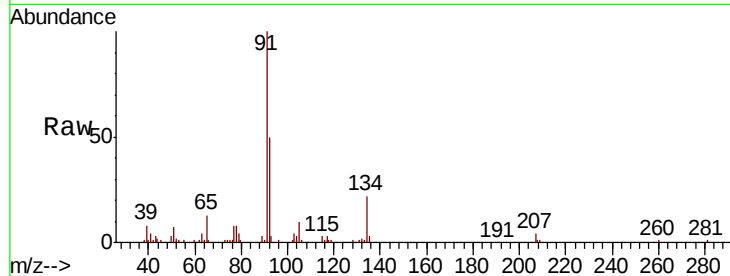
Tot Ion: 91 Resp: 61124

Ion Ratio Lower Upper

91 100

92 49.9 25.7 77.1

134 22.7 11.9 35.5

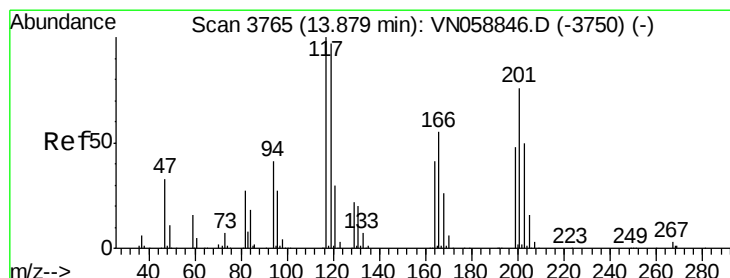
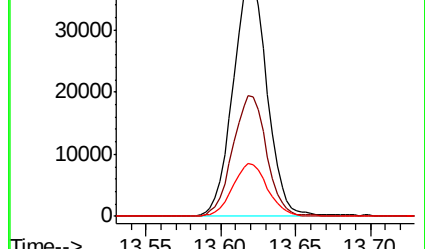
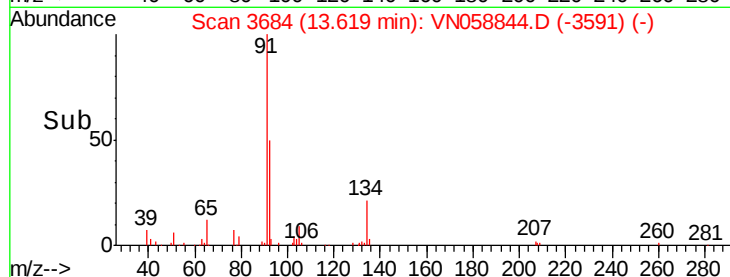


Abundance Ion 91.00 (90.70 to 91.70): VN058844.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN058844.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN058844.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 5.531 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN058844.D

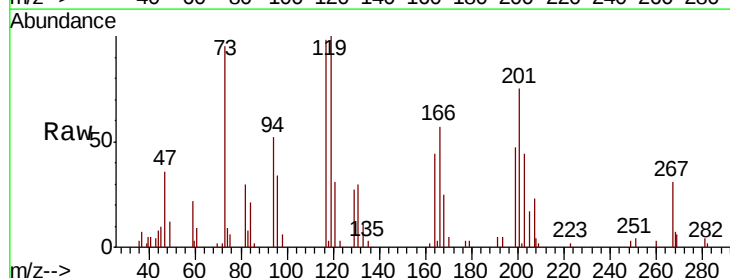
Acq: 18 Oct 2019 9:15

Tgt Ion: 117 Resp: 15110

Ion Ratio Lower Upper

117 100

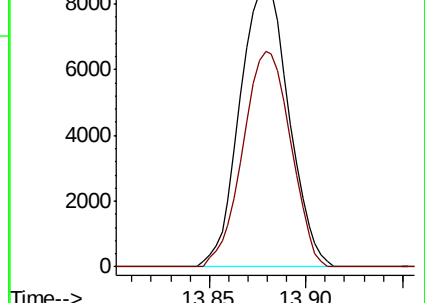
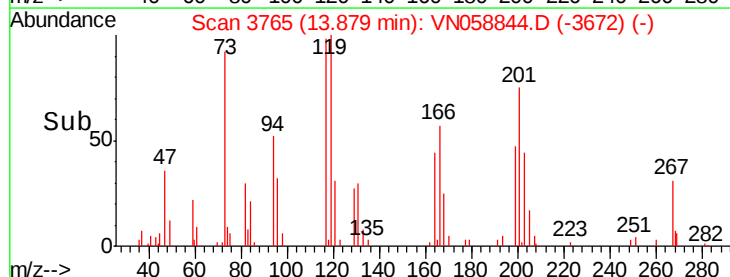
201 74.7 38.9 116.6



Abundance Ion 116.80 (116.50 to 117.50): VN058844.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058844.D (-3750) (-)

Time-->

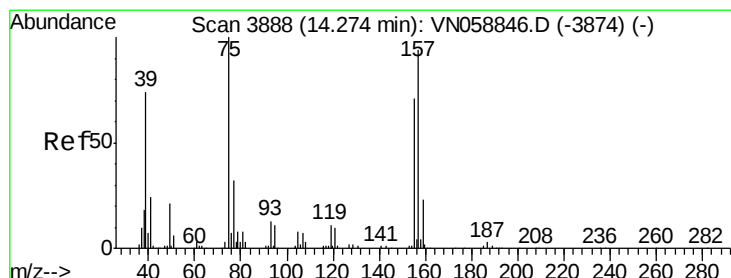
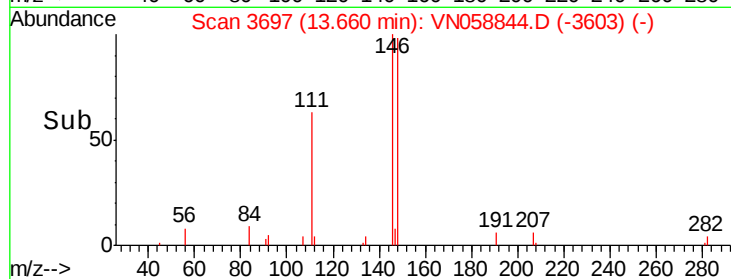
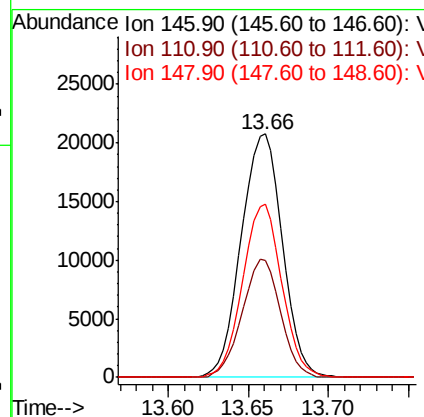
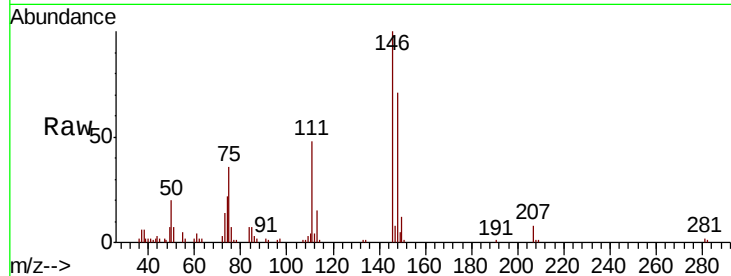




#91
 1,2-Dichlorobenzene
 Concen: 4.816 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

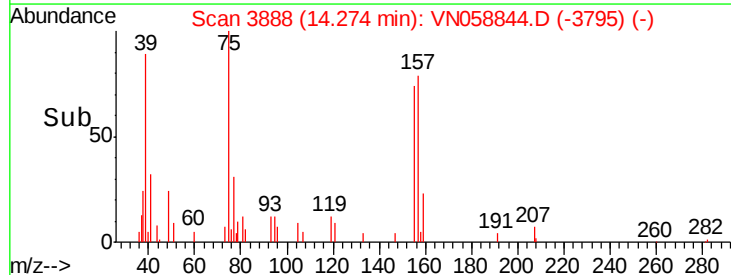
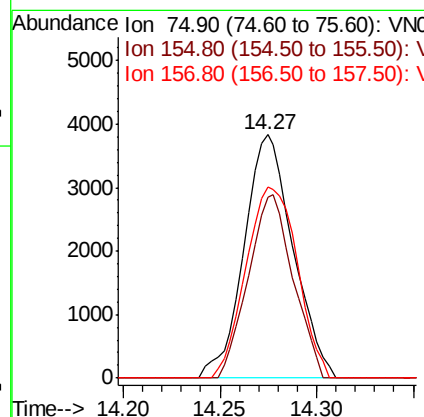
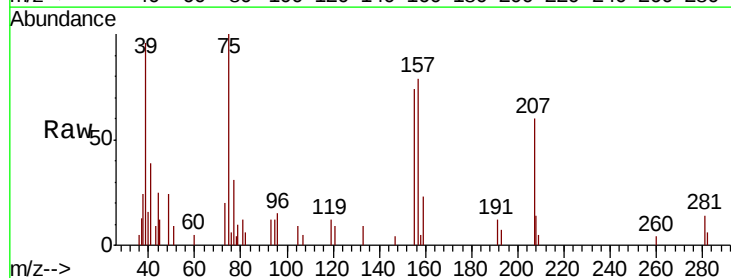
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

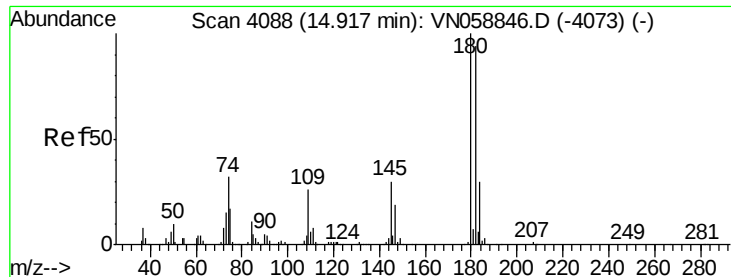
Tot Ion:146 Resp: 36422
 Ion Ratio Lower Upper
 146 100
 111 44.8 21.6 64.8
 148 67.5 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.009 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

Tgt Ion: 75 Resp: 6736
 Ion Ratio Lower Upper
 75 100
 155 68.9 35.6 106.8
 157 82.5 47.4 142.2

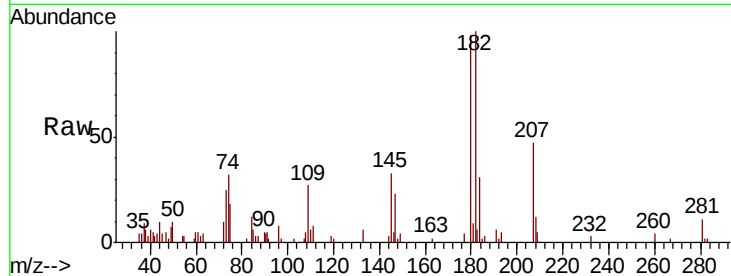




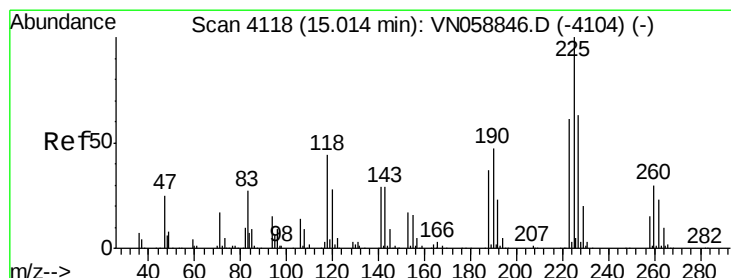
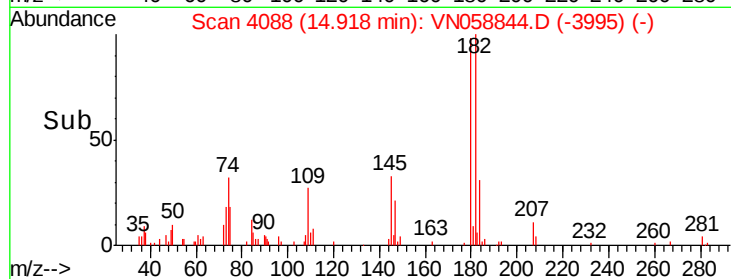
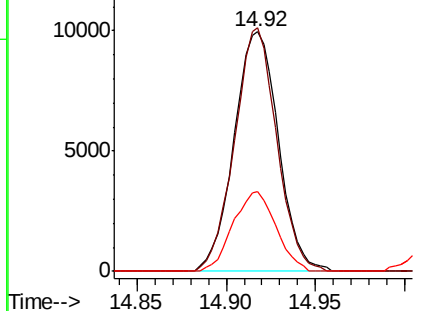
#93
 1,2,4-Trichlorobenzene
 Concen: 3.769 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.3	142.0
145	32.1	15.3	45.8

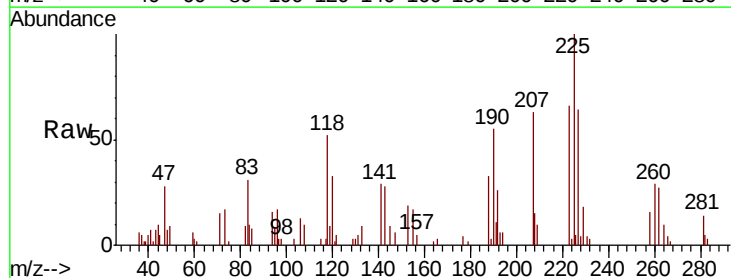


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

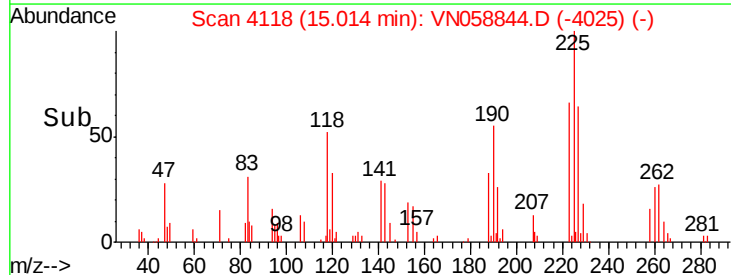
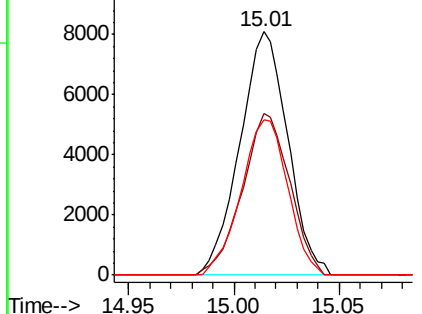


#94
 Hexachlorobutadiene
 Concen: 5.250 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.7	30.9	92.5
227	62.3	31.6	94.7



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: 3.348 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

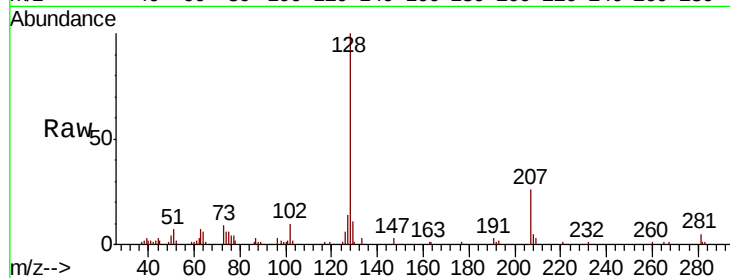
MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:128 Resp: 43883

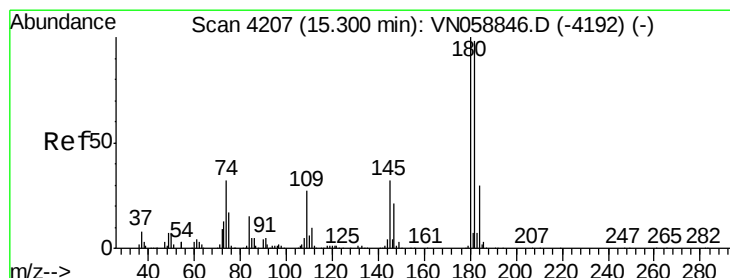
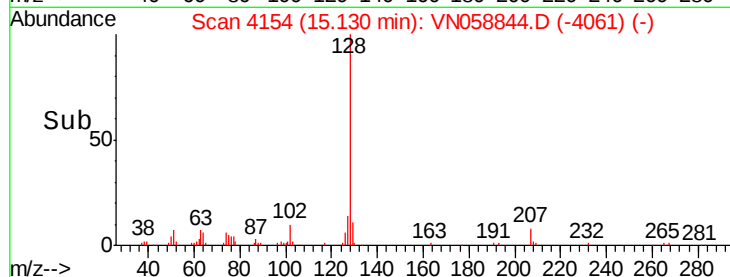
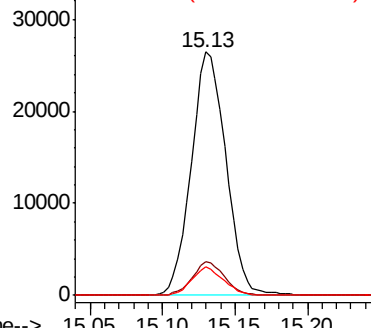
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.5	8.4	12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.635 ug/l

RT: 15.30 min Scan# 4207

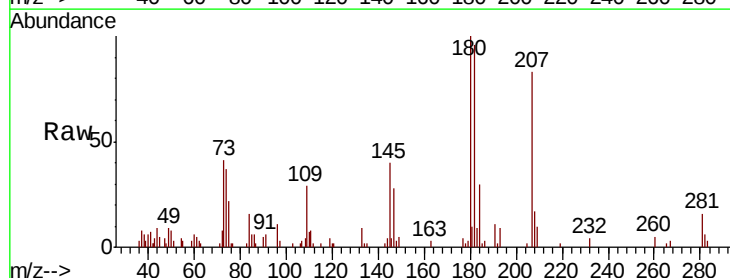
Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Tgt Ion:180 Resp: 16253

Ion	Ratio	Lower	Upper
180	100		
182	102.9	47.9	143.7
145	39.5	15.9	47.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

