

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055750.D
 Acq On : 23 May 2019 13:12
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: May 24 05:49:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 05:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	386460	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	530999	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	445531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	166814	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	18549	4.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.84%	
35) Dibromofluoromethane	7.59	113	15774	4.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.36%	
50) Toluene-d8	10.09	98	61941	4.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.70%	
62) 4-Bromofluorobenzene	12.40	95	19691	4.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.92%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	13596	4.658	ug/l	97
3) Chloromethane	2.06	50	17673	4.490	ug/l	98
4) Vinyl Chloride	2.18	62	18555	4.370	ug/l	99
5) Bromomethane	2.53	94	13977	5.141	ug/l	93
6) Chloroethane	2.68	64	11754	4.929	ug/l	96
7) Trichlorofluoromethane	3.00	101	24684	4.535	ug/l	96
8) Diethyl Ether	3.40	74	10362	4.678	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.74	101	15995	4.808	ug/l	99
10) Methyl Iodide	3.94	142	18855	3.905	ug/l	98
11) Tert butyl alcohol	4.81	59	15091	19.126	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	15832	4.522	ug/l	98
13) Acrolein	3.60	56	14970	32.985	ug/l	99
14) Allyl chloride	4.31	41	27114	4.790	ug/l	97
15) Acrylonitrile	4.99	53	40476	23.093	ug/l	99
16) Acetone	3.82	43	40455	23.347	ug/l	97
17) Carbon Disulfide	4.04	76	45767	4.705	ug/l	98
18) Methyl Acetate	4.32	43	20856	5.630	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	52020	4.502	ug/l	96
20) Methylene Chloride	4.54	84	17922	4.572	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	17300	4.645	ug/l	97
22) Diisopropyl ether	5.95	45	51338	4.562	ug/l	97
23) Vinyl Acetate	5.89	43	214432	22.461	ug/l	98
24) 1,1-Dichloroethane	5.84	63	30357	4.631	ug/l	98
25) 2-Butanone	6.84	43	56443	23.374	ug/l	100
26) 2,2-Dichloropropane	6.82	77	26352	4.539	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	19217	4.415	ug/l	97
28) Bromochloromethane	7.19	49	13566	4.687	ug/l	98
29) Tetrahydrofuran	7.22	42	36457	22.836	ug/l	99
30) Chloroform	7.37	83	30381	4.500	ug/l	97
31) Cyclohexane	7.65	56	33511	5.358	ug/l #	80
32) 1,1,1-Trichloroethane	7.57	97	26822	4.437	ug/l	98
36) 1,1-Dichloropropene	7.79	75	23788	5.051	ug/l	98
37) Ethyl Acetate	6.93	43	22017	5.159	ug/l	99
38) Carbon Tetrachloride	7.77	117	24049	4.769	ug/l	99

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 Data File : VN055750.D
 Acq On : 23 May 2019 13:12
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: May 24 05:49:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 05:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	28983	5.074	ug/l	98
40) Benzene	8.04	78	68538	4.918	ug/l	97
41) Methacrylonitrile	7.18	41	11327	6.114	ug/l #	89
42) 1,2-Dichloroethane	8.12	62	22916	5.087	ug/l	99
43) Isopropyl Acetate	8.17	43	36438	4.900	ug/l #	90
44) Trichloroethene	8.83	130	19608	4.991	ug/l	98
45) 1,2-Dichloropropane	9.12	63	18411	5.020	ug/l	95
46) Dibromomethane	9.21	93	12017	4.999	ug/l	99
47) Bromodichloromethane	9.40	83	23715	4.726	ug/l	97
48) Methyl methacrylate	9.20	41	16144	4.846	ug/l	94
49) 1,4-Dioxane	9.20	88	7188	108.873	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	106717	24.289	ug/l	100
52) Toluene	10.15	92	42341	4.832	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	24326	4.513	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	27618	4.675	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	17325	4.808	ug/l	98
56) Ethyl methacrylate	10.43	69	25209	4.479	ug/l	93
57) 1,3-Dichloropropane	10.71	76	27609	4.846	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	47875	20.487	ug/l	99
59) 2-Hexanone	10.75	43	74814	24.229	ug/l	99
60) Dibromochloromethane	10.90	129	19386	4.746	ug/l	98
61) 1,2-Dibromoethane	11.00	107	17535	4.859	ug/l	98
64) Tetrachloroethene	10.63	164	19684	5.559	ug/l	98
65) Chlorobenzene	11.43	112	45674	5.077	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	17969	4.971	ug/l	99
67) Ethyl Benzene	11.51	91	81427	5.068	ug/l	98
68) m/p-Xylenes	11.62	106	60847	10.028	ug/l	99
69) o-Xylene	11.95	106	29605	4.973	ug/l	99
70) Styrene	11.96	104	45980	4.658	ug/l	99
71) Bromoform	12.13	173	14642	4.768	ug/l #	99
73) Isopropylbenzene	12.25	105	81416	5.973	ug/l	100
74) N-amyl acetate	12.07	43	28192	6.009	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	23818	5.675	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	28056	8.161	ug/l #	100
77) Bromobenzene	12.53	156	20187	5.853	ug/l	98
78) n-propylbenzene	12.59	91	82013	5.551	ug/l	100
79) 2-Chlorotoluene	12.67	91	52434	5.826	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	67277	5.877	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	6940	5.305	ug/l	96
82) 4-Chlorotoluene	12.77	91	46940	5.389	ug/l	99
83) tert-Butylbenzene	12.99	119	61105	6.083	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	65576	5.816	ug/l	100
85) sec-Butylbenzene	13.17	105	73687	5.777	ug/l	100
86) p-Isopropyltoluene	13.29	119	64500	5.502	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	28970	5.113	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	27001	5.010	ug/l	94
89) n-Butylbenzene	13.62	91	46764	5.135	ug/l	99
90) Hexachloroethane	13.87	117	12177	5.441	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	29867	5.289	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3829	5.128	ug/l	97

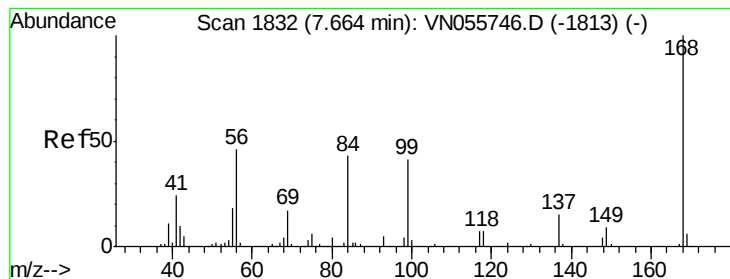
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
Data File : VN055750.D
Acq On : 23 May 2019 13:12
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: May 24 05:49:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260
QLast Update : Fri May 24 05:41:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	12436	4.390	ug/l	99
94) Hexachlorobutadiene	15.01	225	13437	6.687	ug/l	97
95) Naphthalene	15.13	128	33281	4.342	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	14250	4.769	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

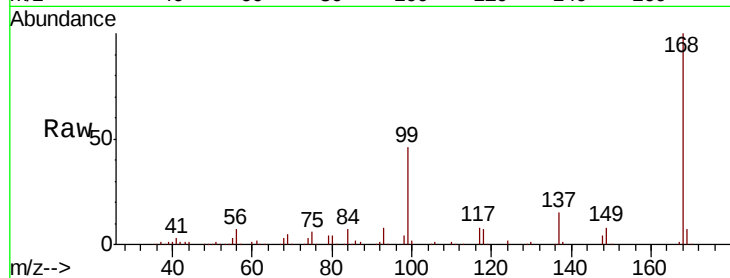
VSTDIC005

Tot Ion:168 Resp: 386460

Ion Ratio Lower Upper

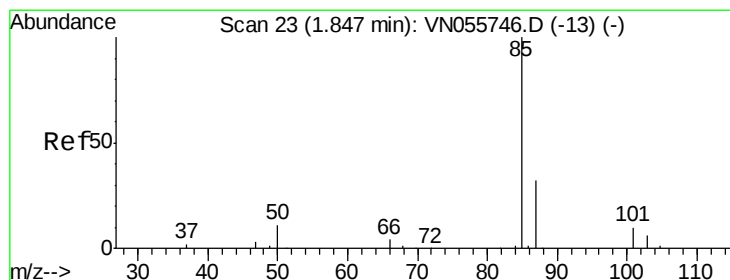
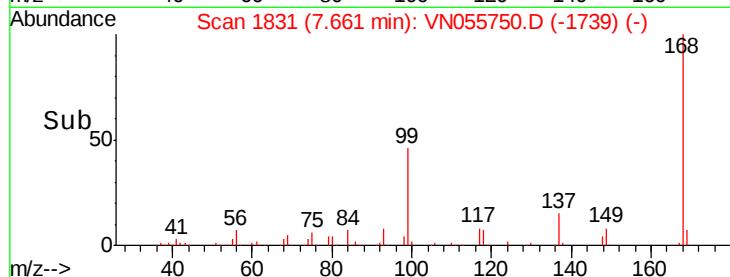
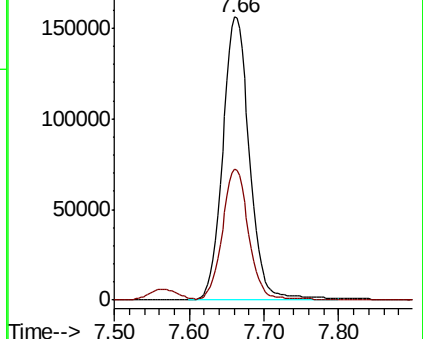
168 100

99 45.8 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 4.658 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055750.D

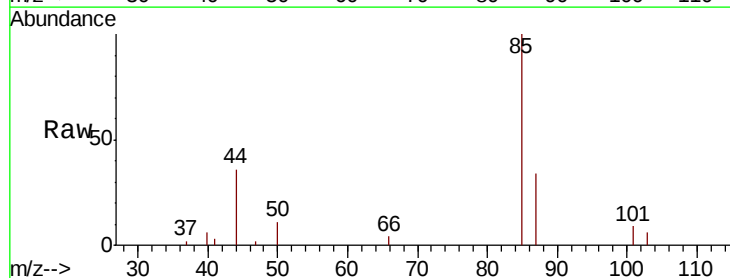
Acq: 23 May 2019 13:12

Tgt Ion: 85 Resp: 13596

Ion Ratio Lower Upper

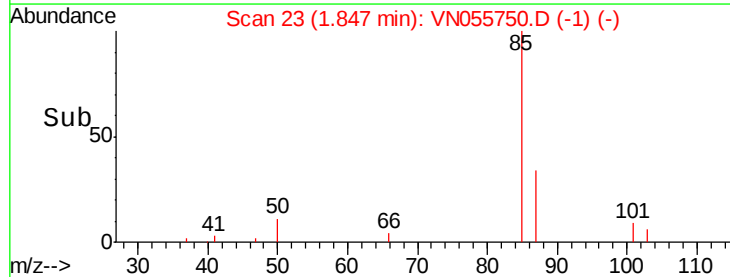
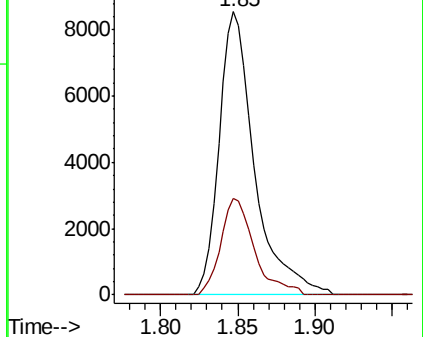
85 100

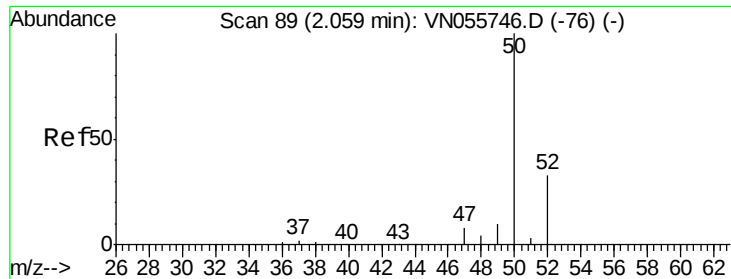
87 33.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

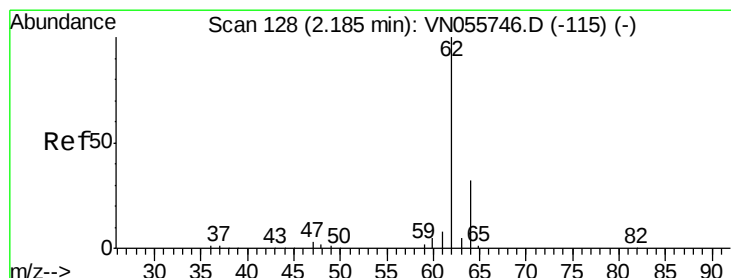
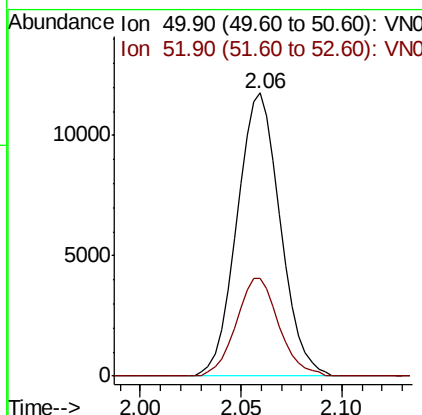
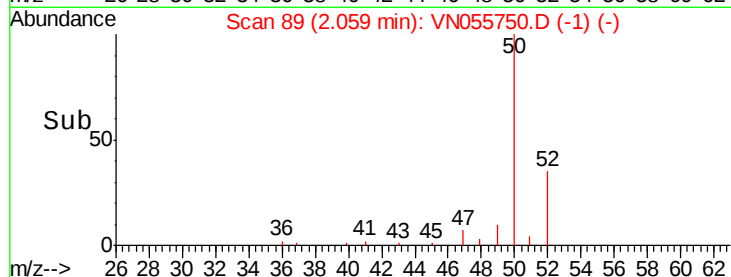
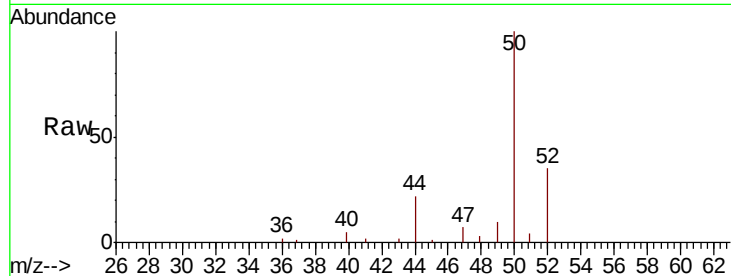




#3
Chloromethane
Concen: 4.490 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

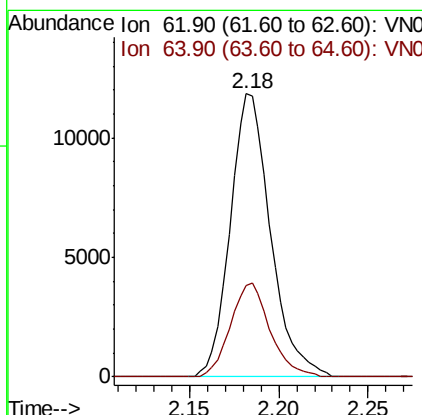
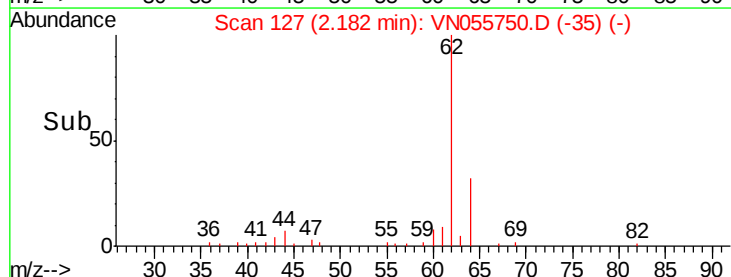
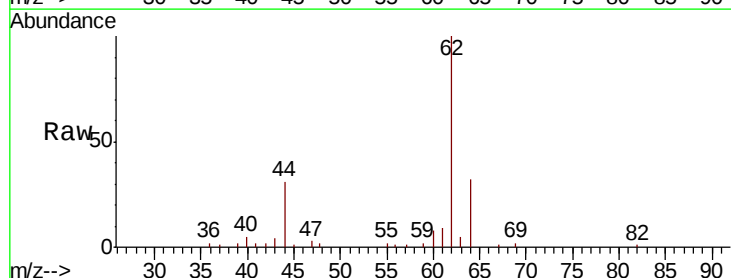
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

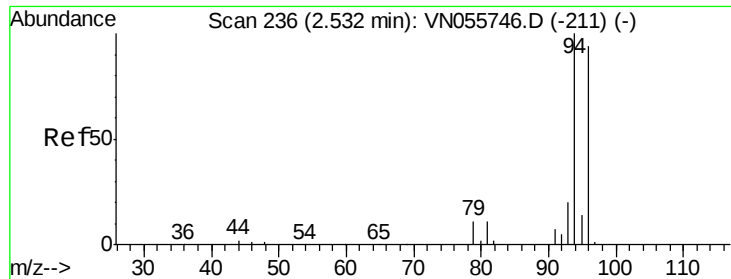
Tot Ion: 50 Resp: 17673
Ion Ratio Lower Upper
50 100
52 34.6 26.6 40.0



#4
Vinyl Chloride
Concen: 4.370 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion: 62 Resp: 18555
Ion Ratio Lower Upper
62 100
64 32.4 25.6 38.4





#5

Bromomethane

Concen: 5.141 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

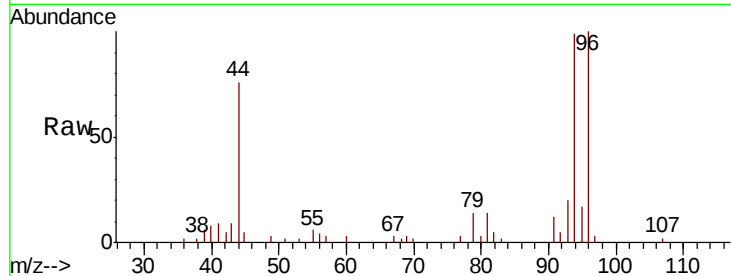
VSTDIC005

Tot Ion: 94 Resp: 13977

Ion Ratio Lower Upper

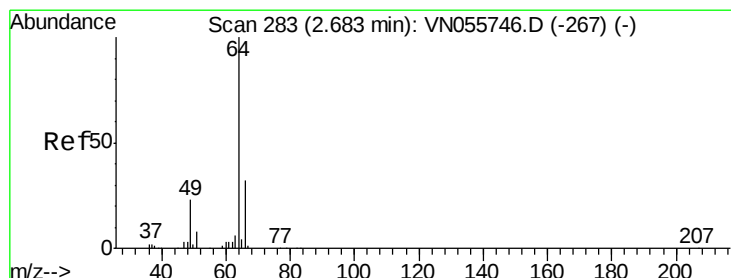
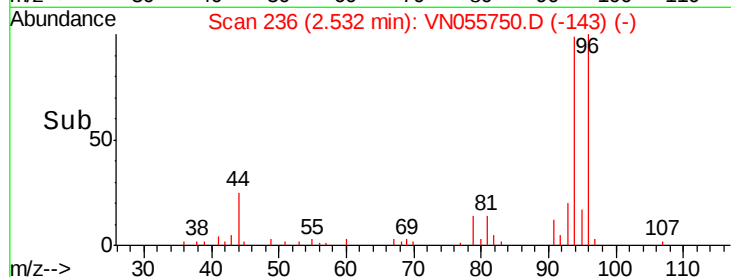
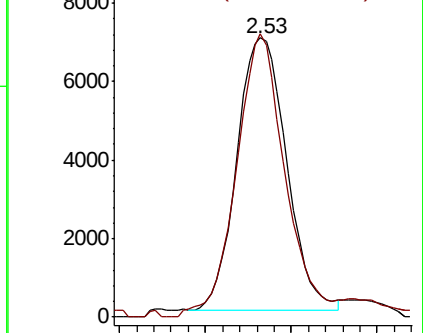
94 100

96 100.7 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 4.929 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN055750.D

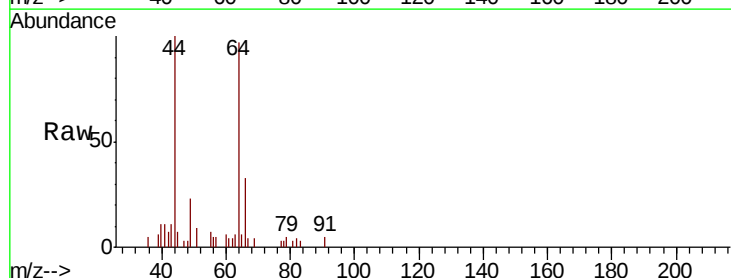
Acq: 23 May 2019 13:12

Tgt Ion: 64 Resp: 11754

Ion Ratio Lower Upper

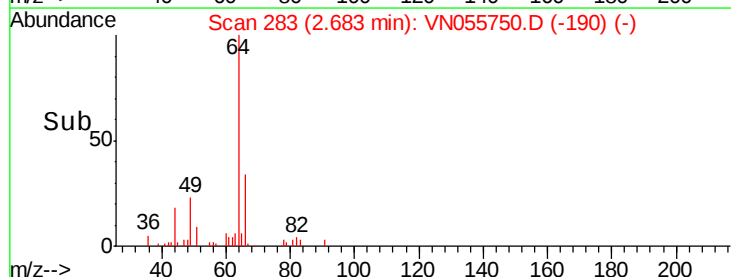
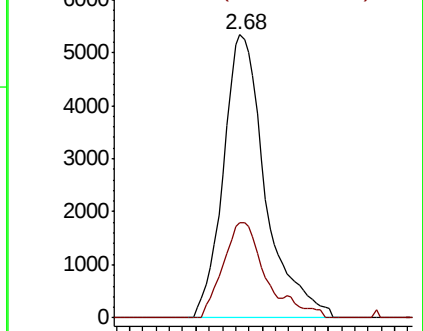
64 100

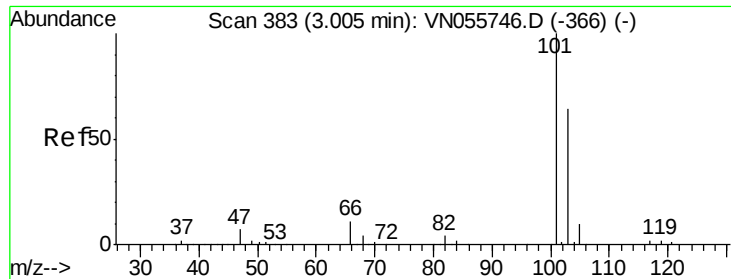
66 33.7 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



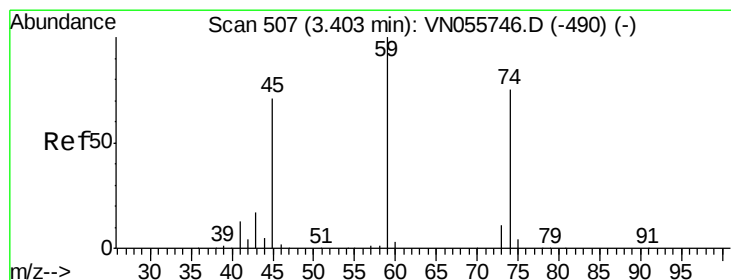
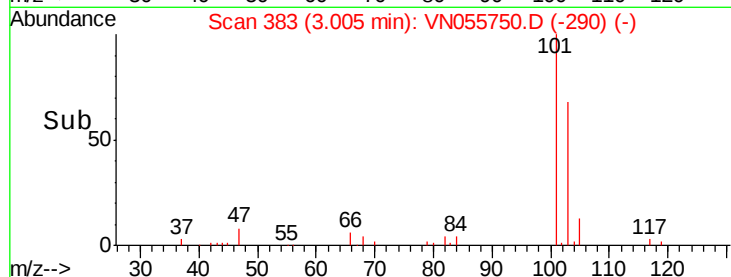
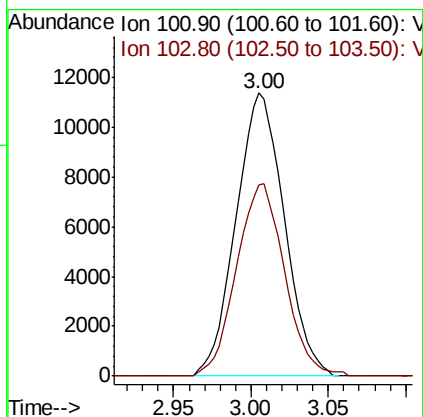
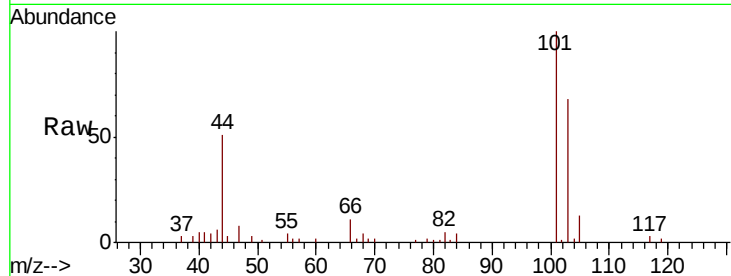


#7

Trichlorofluoromethane
 Concen: 4.535 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

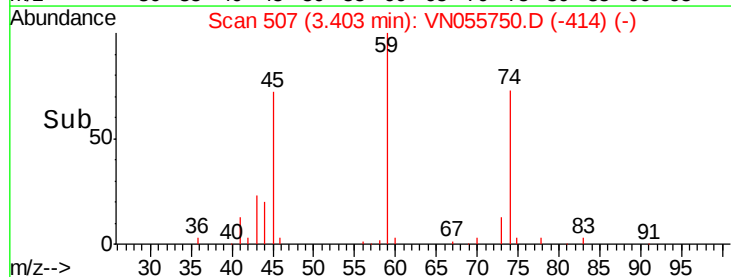
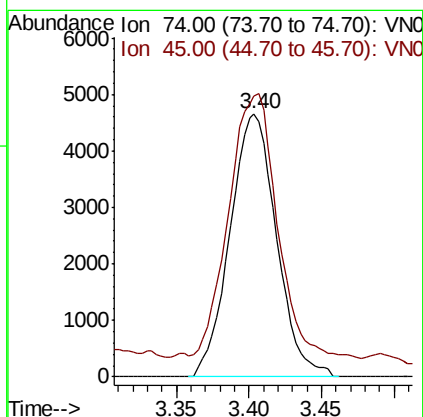
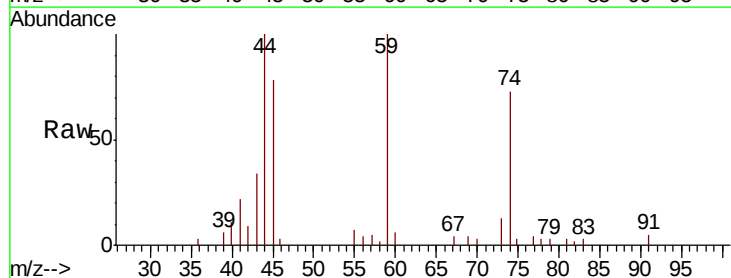
Tot Ion:101 Resp: 24684
 Ion Ratio Lower Upper
 101 100
 103 67.5 51.2 76.8

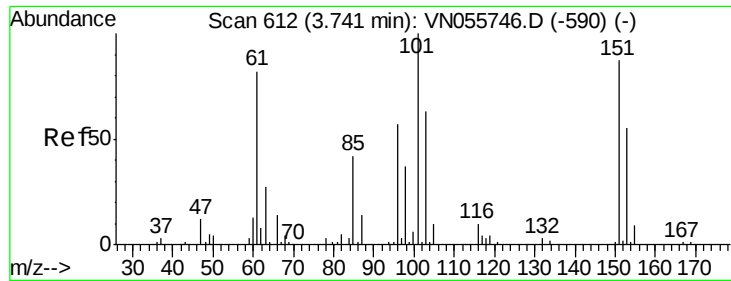


#8

Diethyl Ether
 Concen: 4.678 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Tgt Ion: 74 Resp: 10362
 Ion Ratio Lower Upper
 74 100
 45 104.6 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.808 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

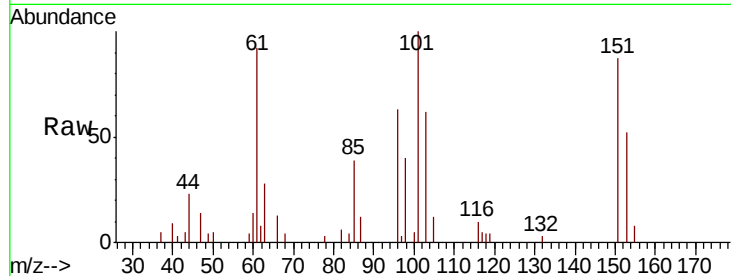
Tot Ion:101 Resp: 15995

Ion Ratio Lower Upper

101 100

85 43.4 33.4 50.2

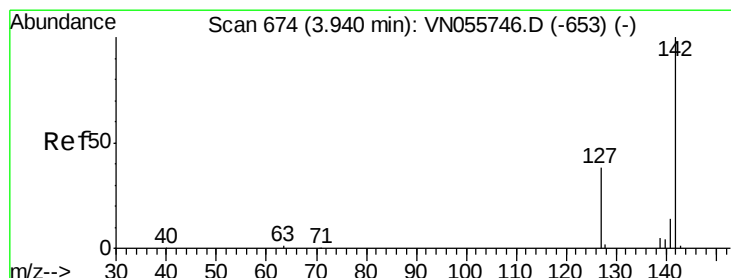
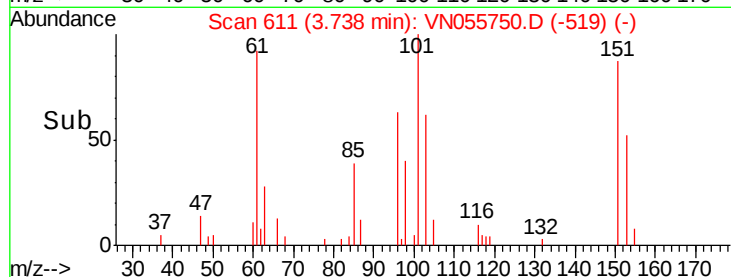
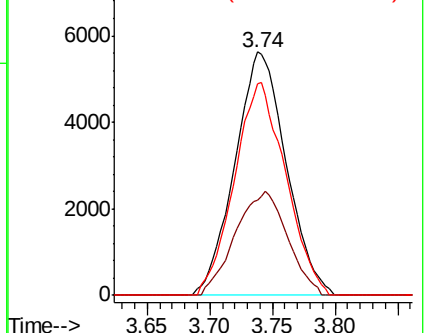
151 87.5 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.905 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

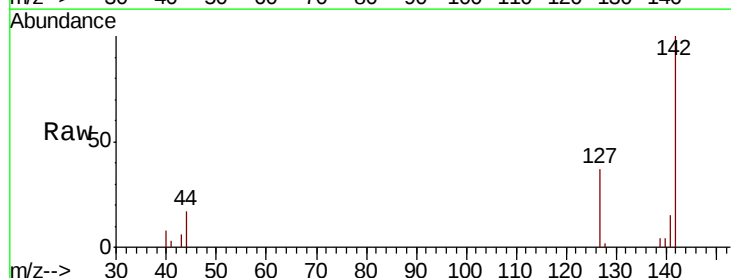
Tgt Ion:142 Resp: 18855

Ion Ratio Lower Upper

142 100

127 37.7 31.0 46.4

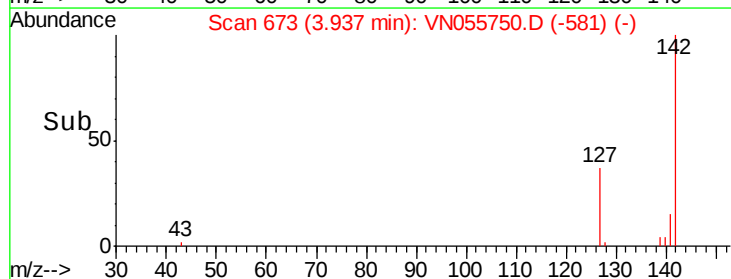
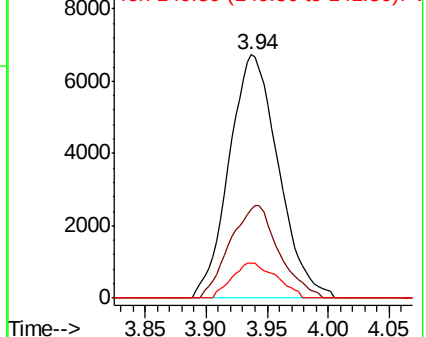
141 13.0 11.4 17.0

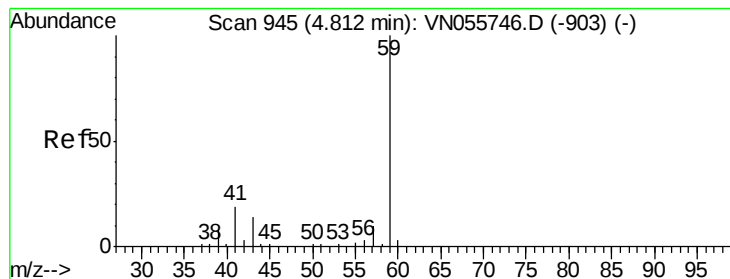


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



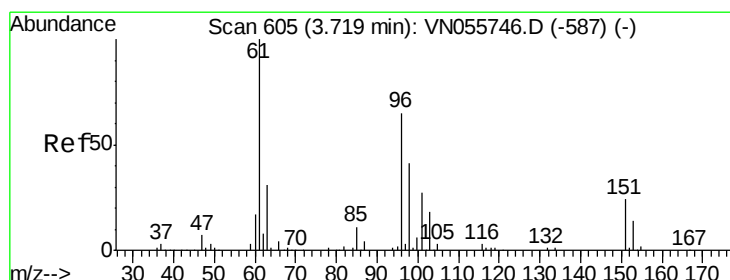
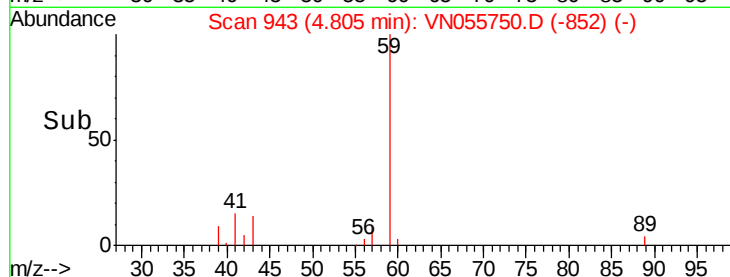
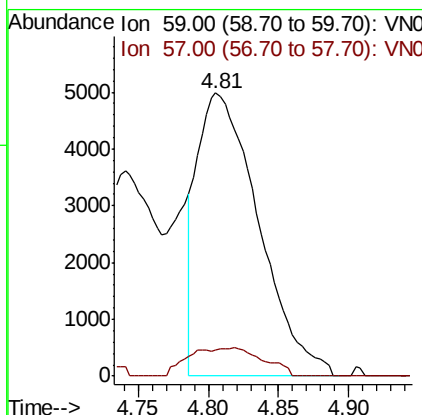
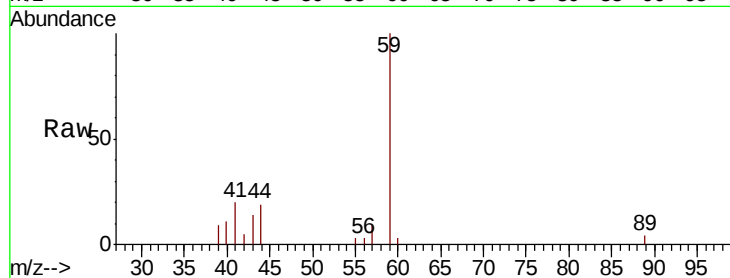


#11

Tert butyl alcohol
 Concen: 19.126 ug/l
 RT: 4.81 min Scan# 943
 Delta R.T. -0.01 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

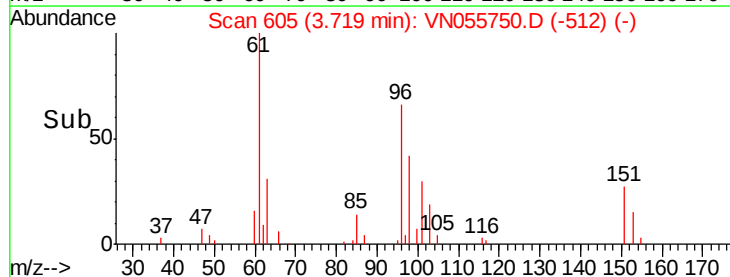
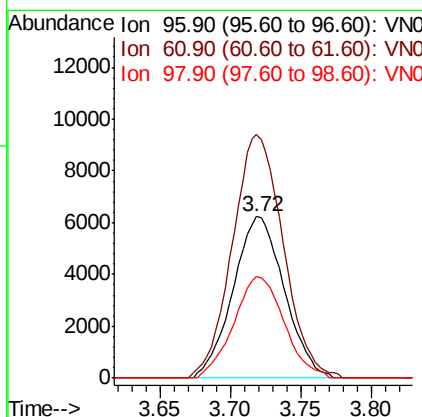
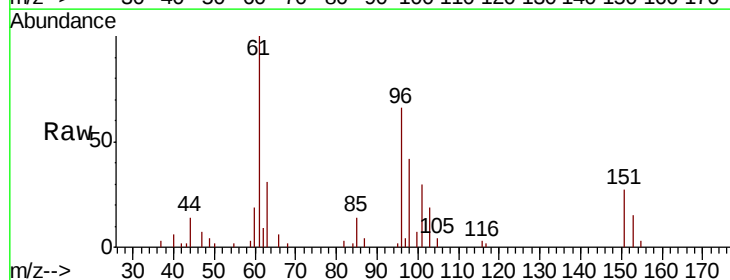
Tot Ion: 59 Resp: 15091
 Ion Ratio Lower Upper
 59 100
 57 4.4 7.8 11.6#

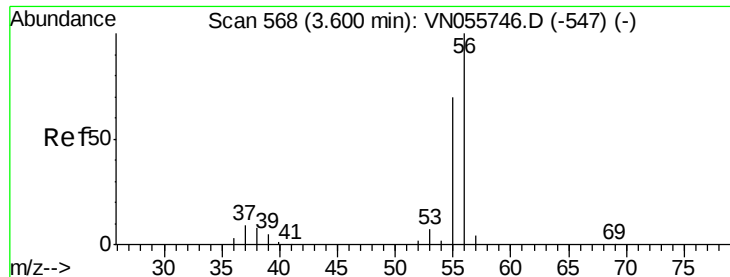


#12

1,1-Dichloroethene
 Concen: 4.522 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Tgt Ion: 96 Resp: 15832
 Ion Ratio Lower Upper
 96 100
 61 151.1 123.2 184.8
 98 63.1 50.4 75.6





#13

Acrolein

Concen: 32.985 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

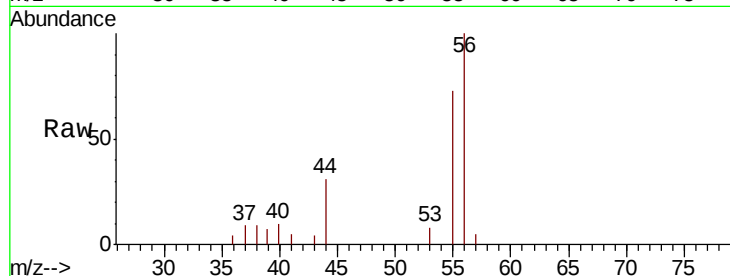
VSTDIC005

Tot Ion: 56 Resp: 14970

Ion Ratio Lower Upper

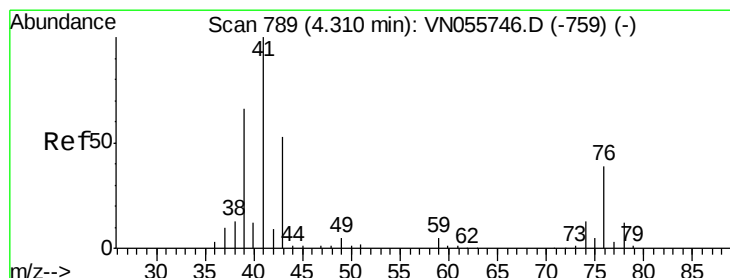
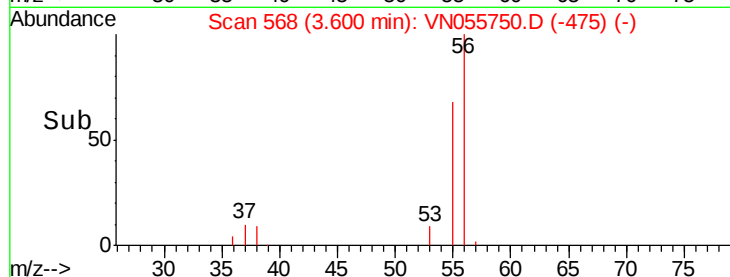
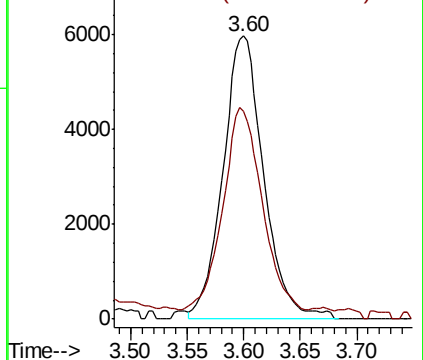
56 100

55 68.3 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 4.790 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

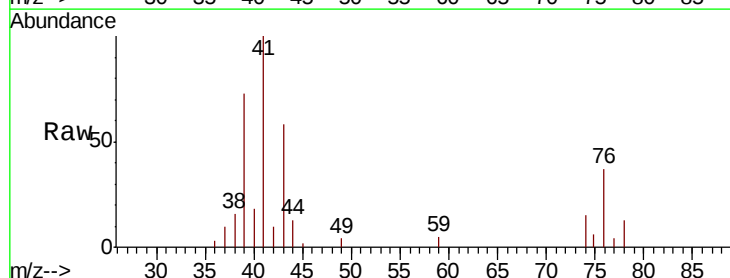
Tgt Ion: 41 Resp: 27114

Ion Ratio Lower Upper

41 100

39 64.4 50.0 75.0

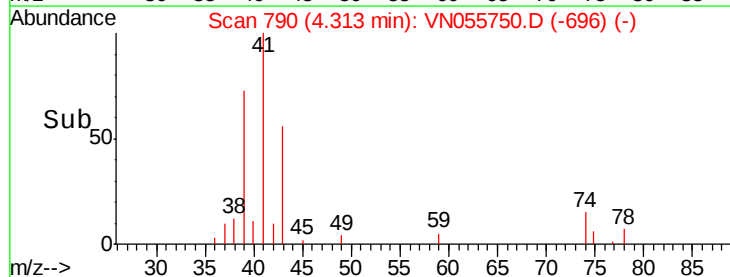
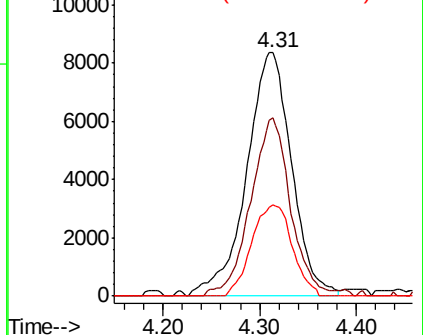
76 33.6 28.2 42.2

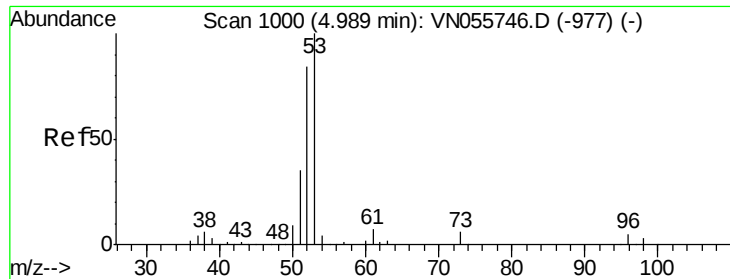


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 23.093 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

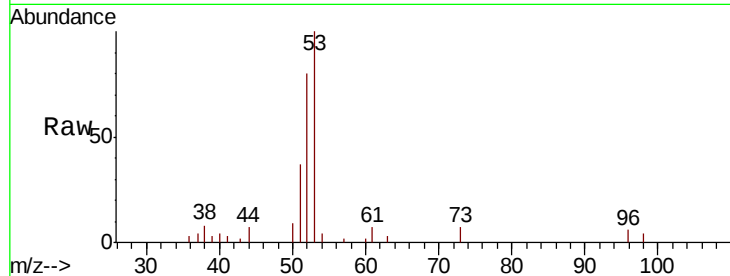
Tot Ion: 53 Resp: 40476

Ion Ratio Lower Upper

53 100

52 81.6 65.8 98.8

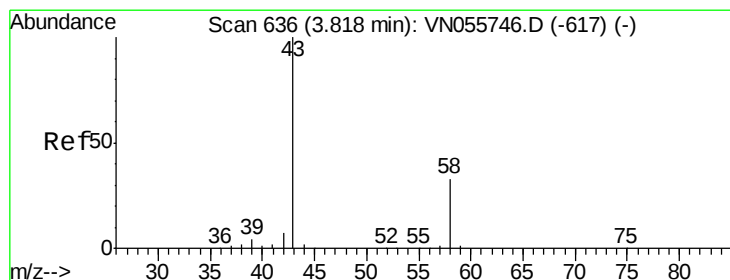
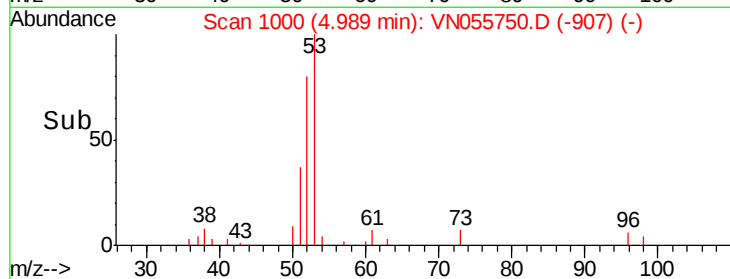
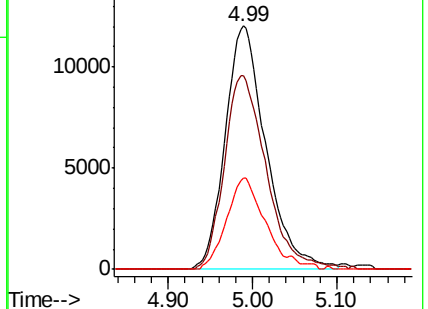
51 35.4 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 23.347 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055750.D

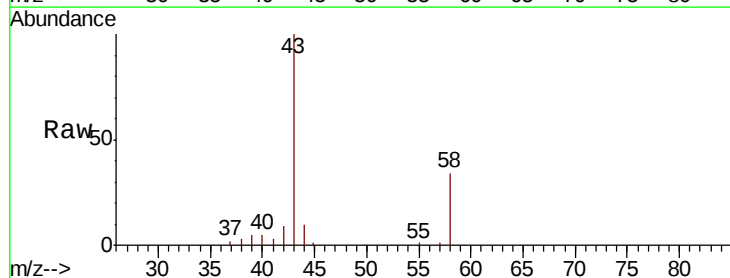
Acq: 23 May 2019 13:12

Tgt Ion: 43 Resp: 40455

Ion Ratio Lower Upper

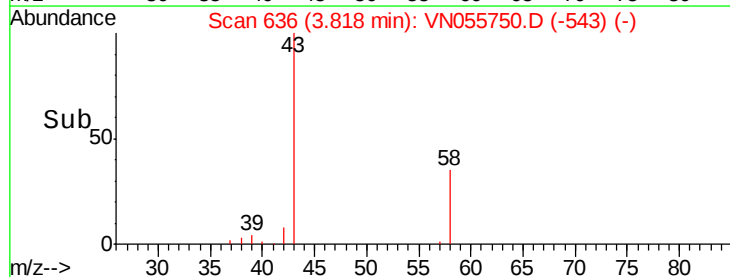
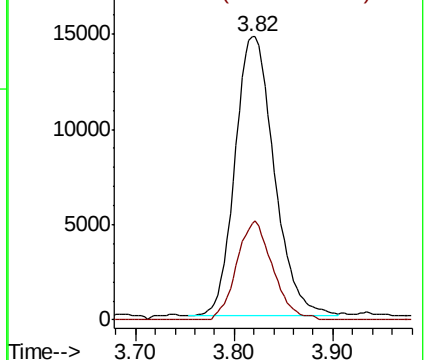
43 100

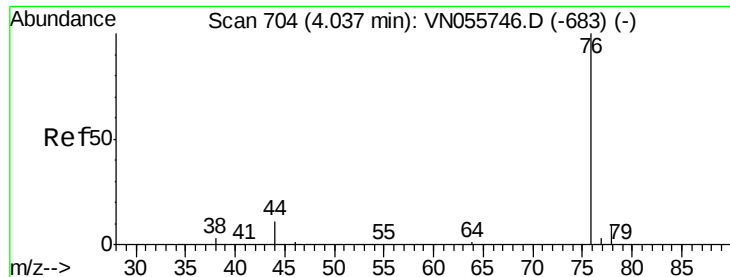
58 34.8 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

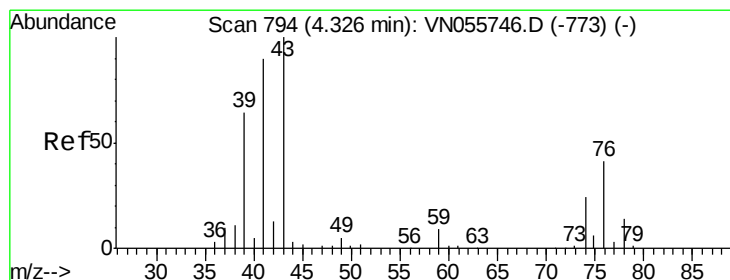
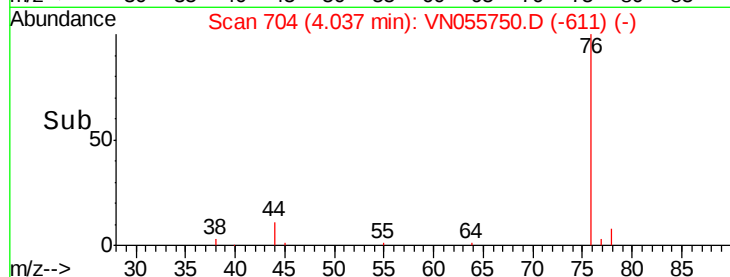
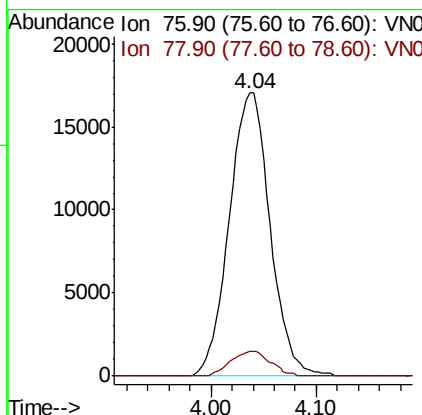
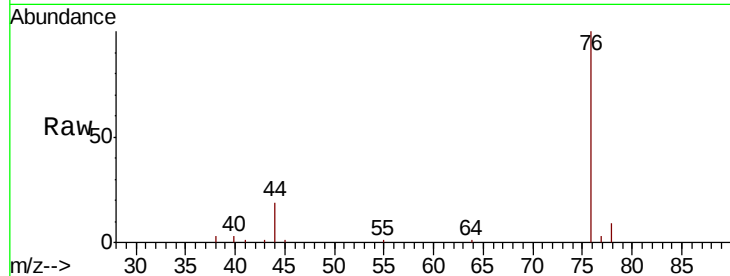




#17
Carbon Disulfide
Concen: 4.705 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

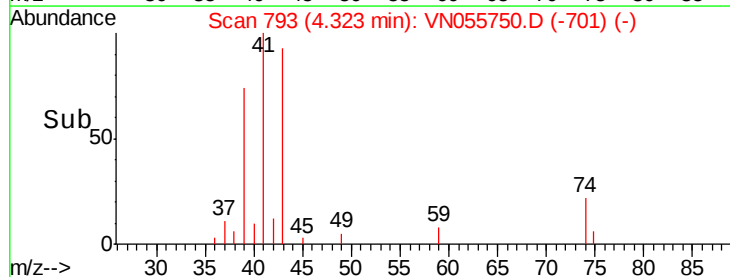
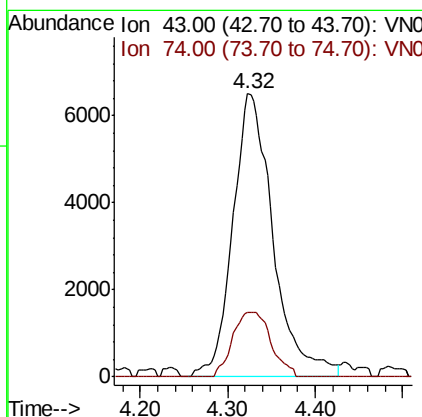
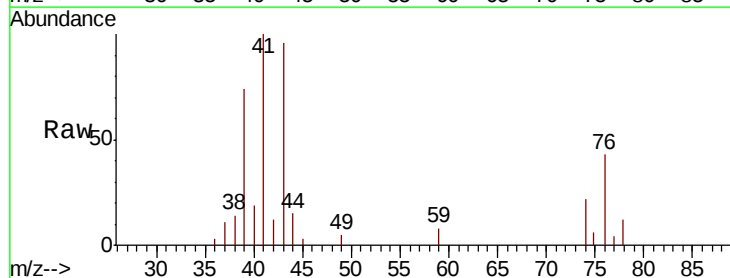
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

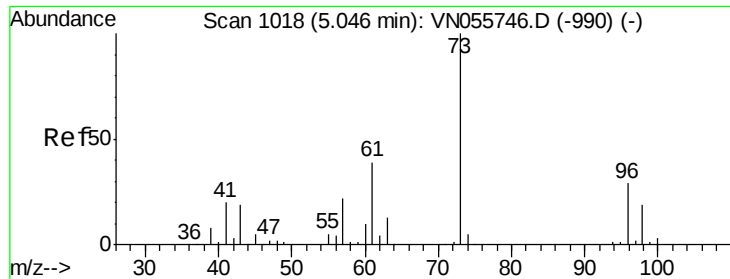
Tot Ion: 76 Resp: 45767
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.2



#18
Methyl Acetate
Concen: 5.630 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion: 43 Resp: 20856
Ion Ratio Lower Upper
43 100
74 21.5 19.3 28.9

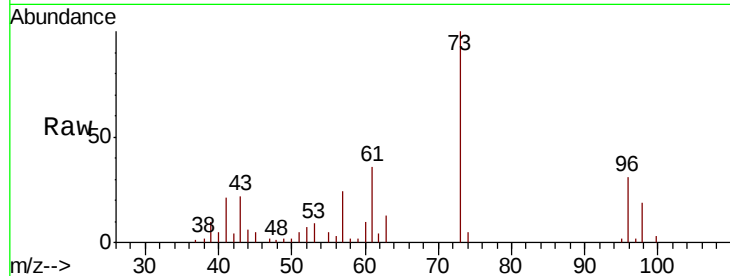




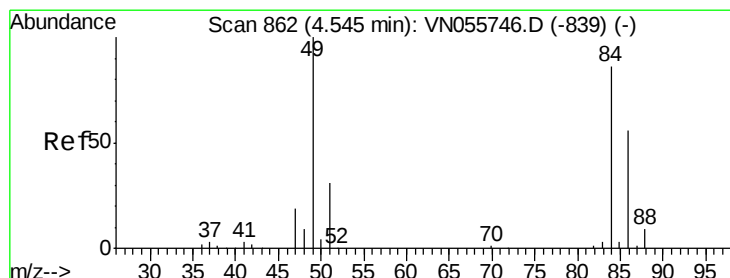
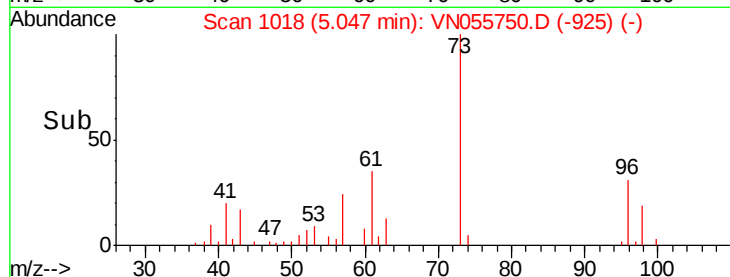
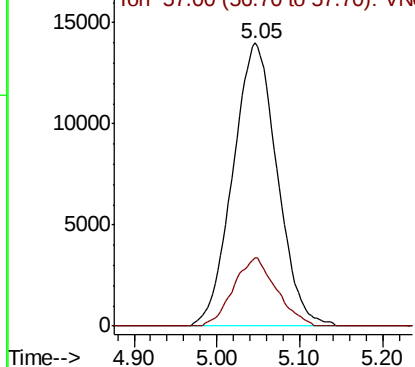
#19
Methyl tert-butyl Ether
Concen: 4.502 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 52020
Ion Ratio Lower Upper
73 100
57 24.1 17.8 26.8

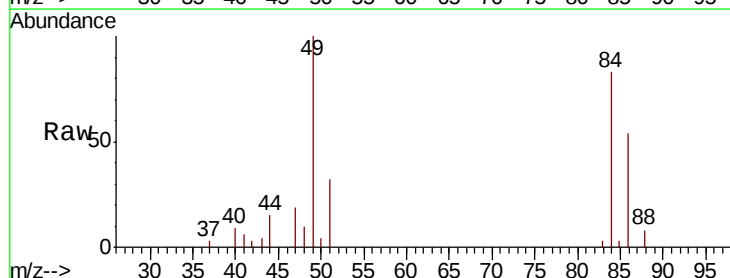


Abundance Ion 73.00 (72.70 to 73.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

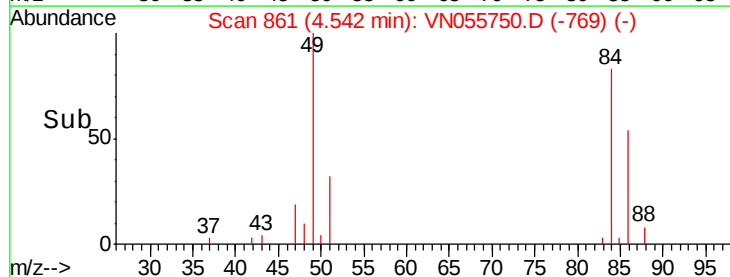
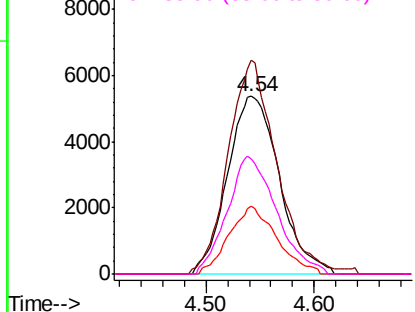


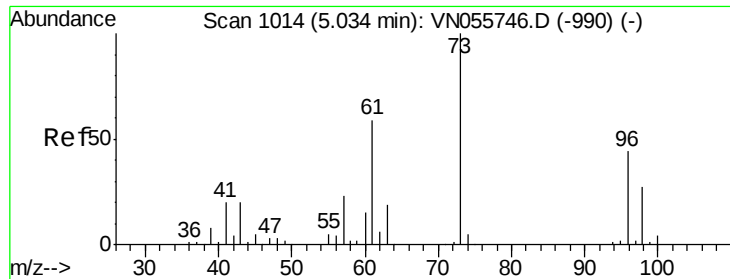
#20
Methylene Chloride
Concen: 4.572 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion: 84 Resp: 17922
Ion Ratio Lower Upper
84 100
49 120.1 93.5 140.3
51 38.2 28.6 43.0
86 64.6 52.6 79.0



Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0





#21

trans-1,2-Dichloroethene

Concen: 4.645 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

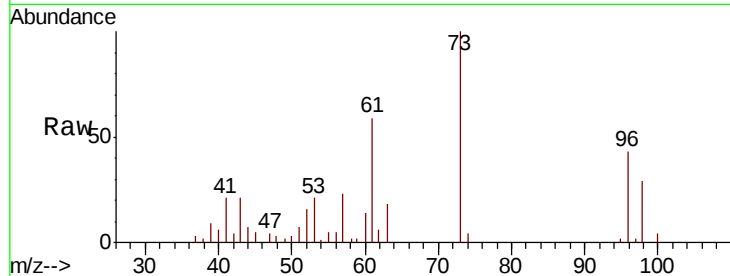
Tot Ion: 96 Resp: 17300

Ion Ratio Lower Upper

96 100

61 135.9 107.8 161.8

98 67.1 49.8 74.8

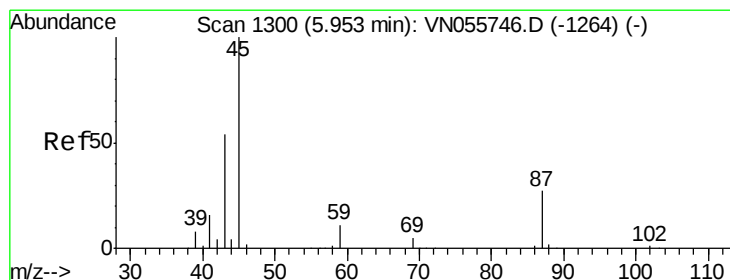
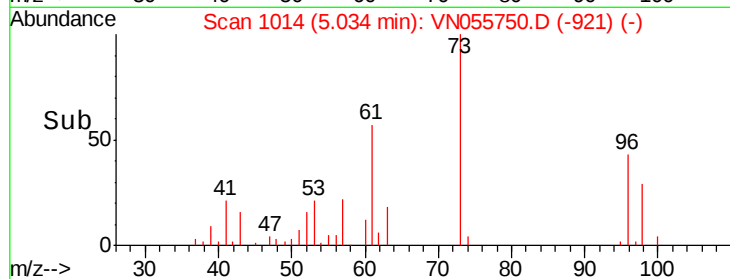
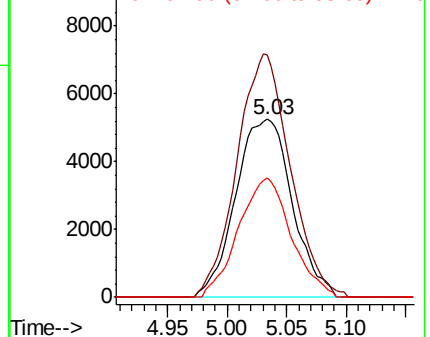


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 4.562 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Tgt Ion: 45 Resp: 51338

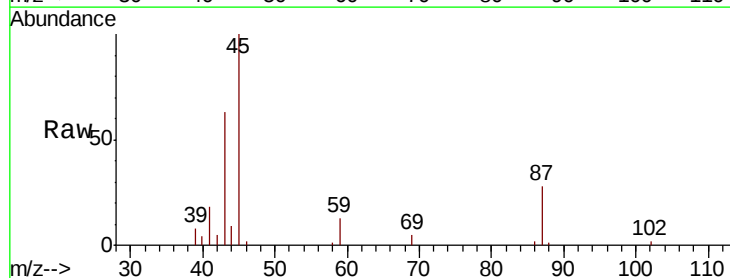
Ion Ratio Lower Upper

45 100

43 59.5 45.0 67.6

87 27.5 22.2 33.4

59 12.7 9.1 13.7



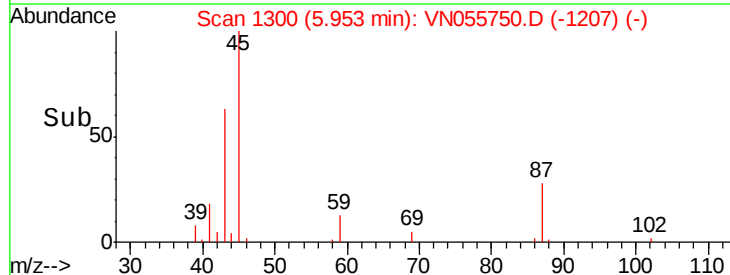
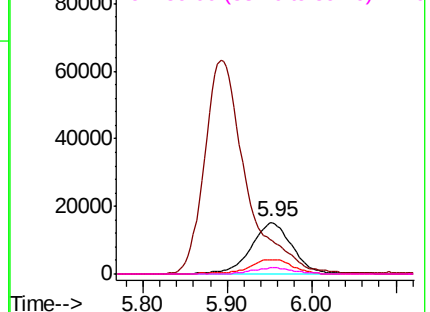
Abundance

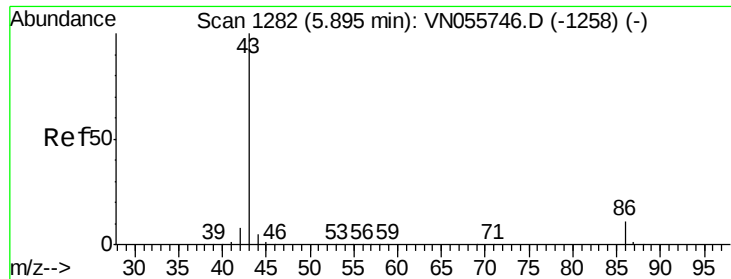
Ion 45.00 (44.70 to 45.70): VN0

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: 22.461 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

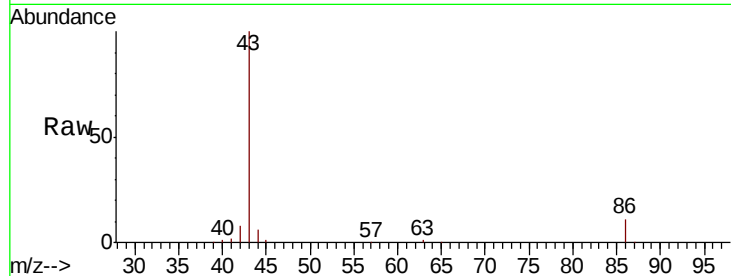
VSTDIC005

Tot Ion: 43 Resp: 214432

Ion Ratio Lower Upper

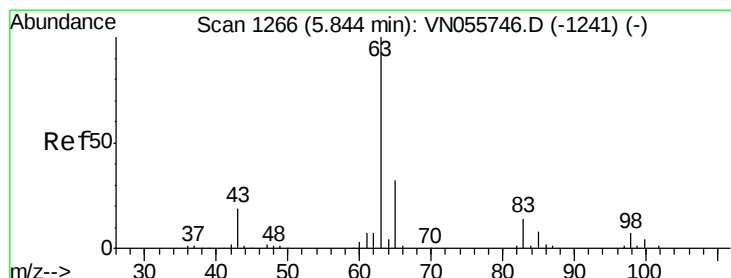
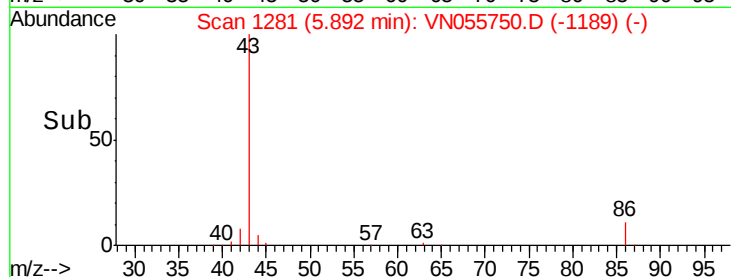
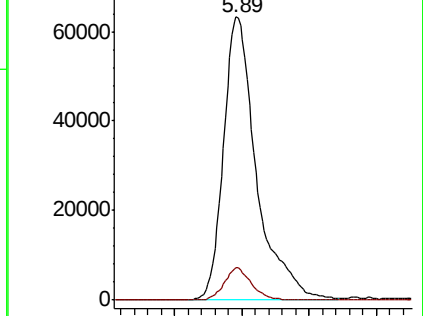
43 100

86 11.5 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1258) (-)

Ion 86.00 (85.70 to 86.70): VN055746.D (-1258) (-)



#24

1,1-Dichloroethane

Concen: 4.631 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

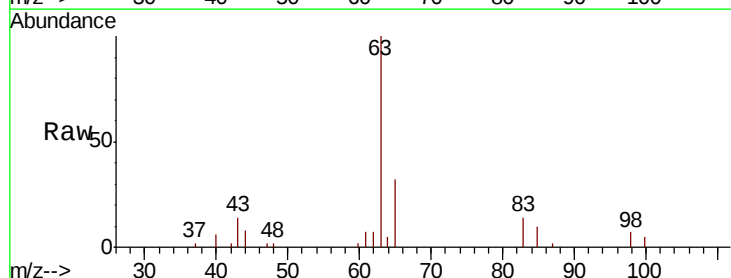
Tgt Ion: 63 Resp: 30357

Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.1

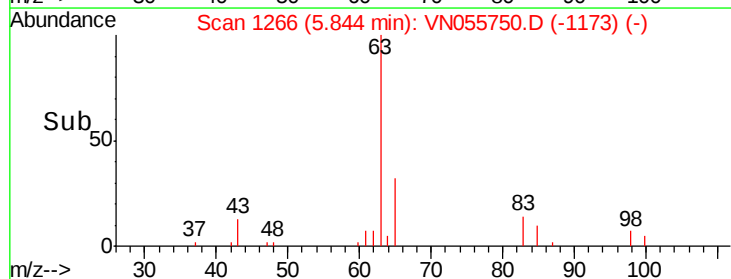
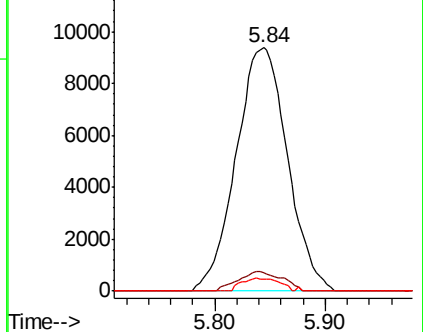
100 4.9 2.2 6.6

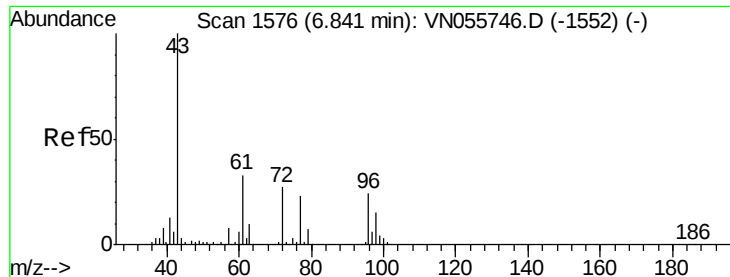


Abundance Ion 62.90 (62.60 to 63.60): VN055746.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN055746.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN055746.D (-1241) (-)

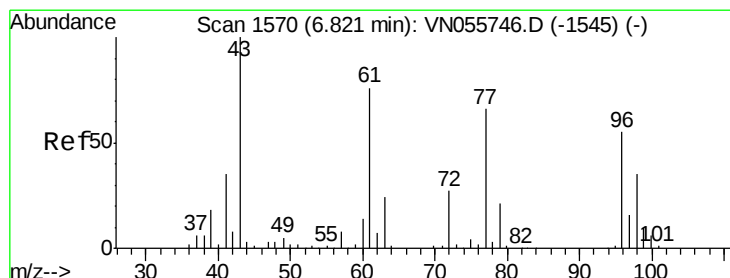
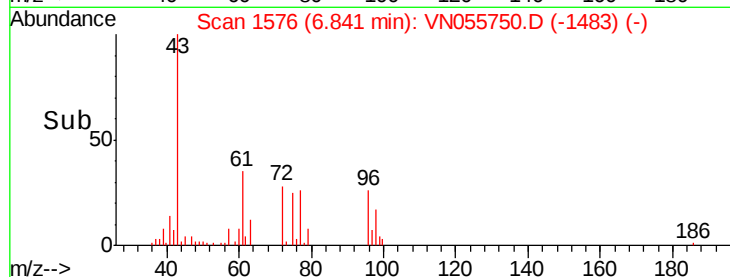
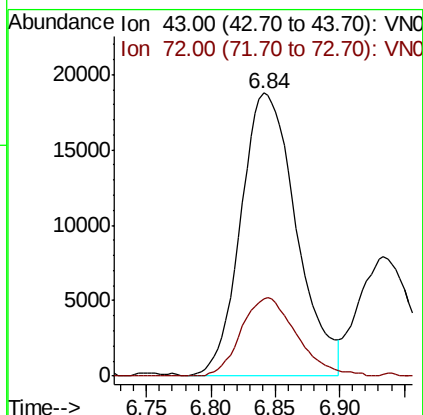
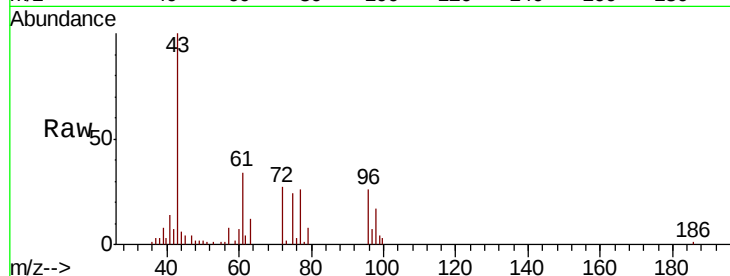




#25
 2-Butanone
 Concen: 23.374 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

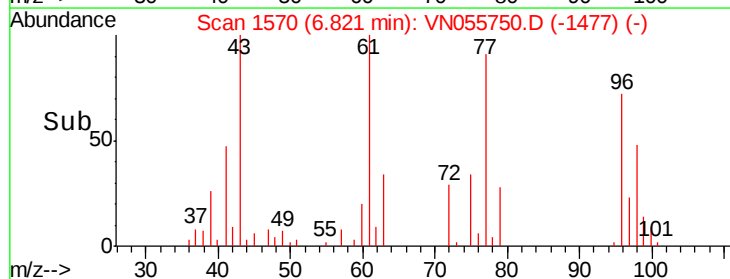
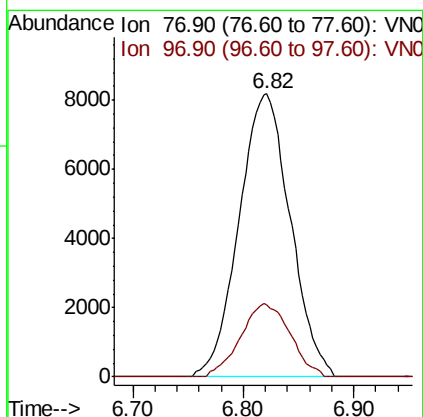
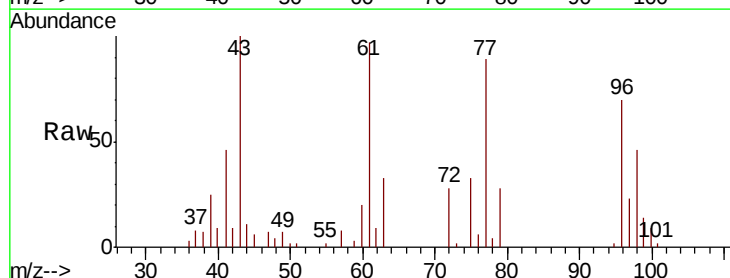
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

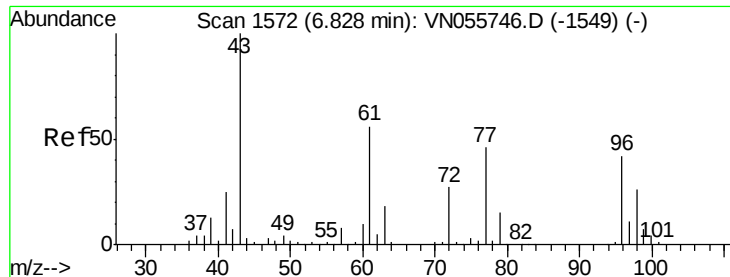
Tot Ion: 43 Resp: 56443
 Ion Ratio Lower Upper
 43 100
 72 27.2 21.9 32.9



#26
 2,2-Dichloropropane
 Concen: 4.539 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Tgt Ion: 77 Resp: 26352
 Ion Ratio Lower Upper
 77 100
 97 25.0 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 4.415 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

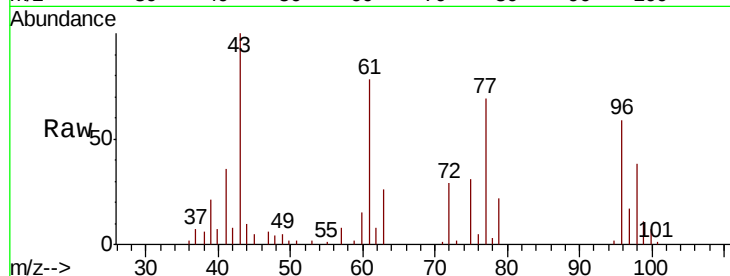
Tot Ion: 96 Resp: 19217

Ion Ratio Lower Upper

96 100

61 141.5 0.0 275.8

98 66.6 0.0 128.4

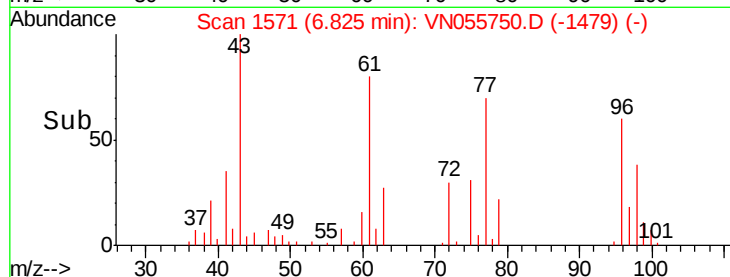


Abundance Ion 95.90 (95.60 to 96.60): VN055746.D (-1549) (-)

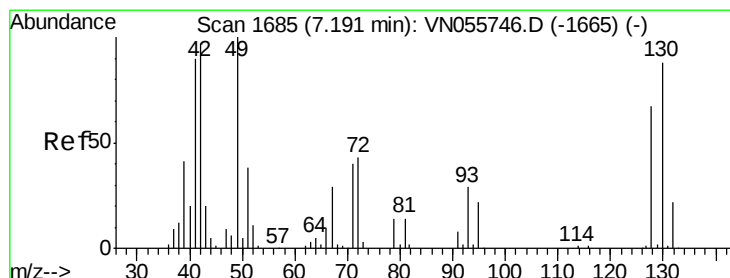
Ion 60.90 (60.60 to 61.60): VN055746.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN055746.D (-1549) (-)

6.82



Time-->



#28

Bromochloromethane

Concen: 4.687 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

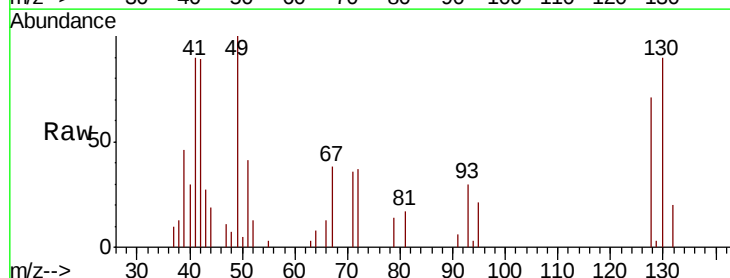
Tgt Ion: 49 Resp: 13566

Ion Ratio Lower Upper

49 100

129 0.2 0.0 4.4

130 90.9 71.2 106.8

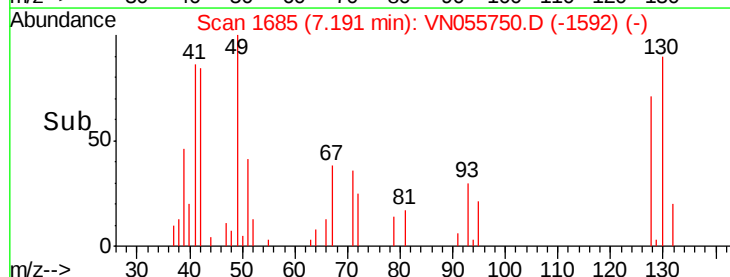


Abundance Ion 48.90 (48.60 to 49.60): VN055746.D (-1665) (-)

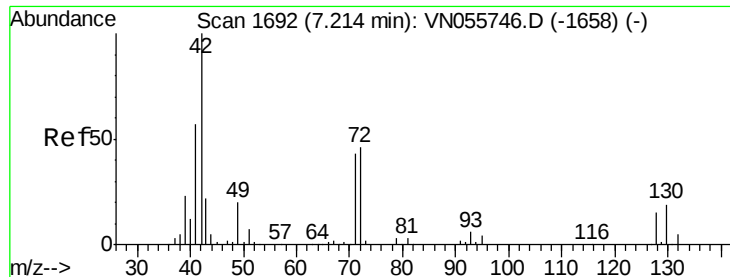
Ion 128.80 (128.50 to 129.50): VN055746.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN055746.D (-1665) (-)

7.19



Time-->



#29

Tetrahydrofuran

Concen: 22.836 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

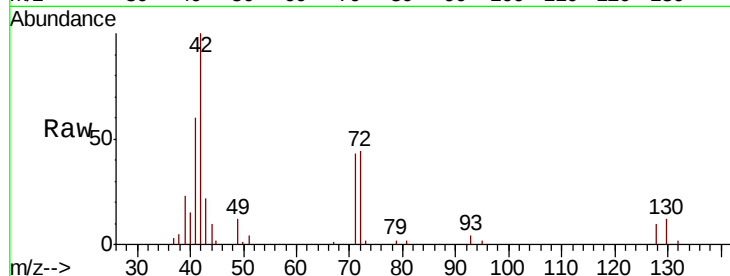
Tot Ion: 42 Resp: 36457

Ion Ratio Lower Upper

42 100

72 44.4 35.9 53.9

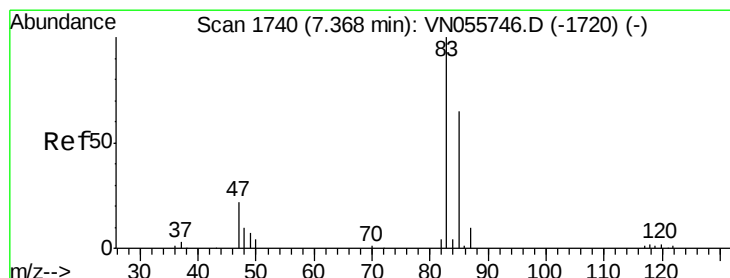
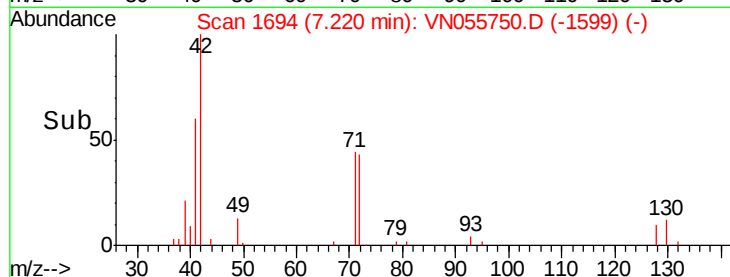
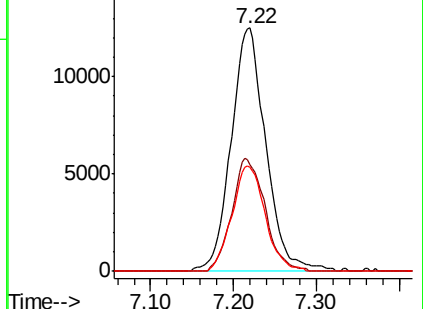
71 41.3 34.0 51.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 4.500 ug/l

RT: 7.37 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VN055750.D

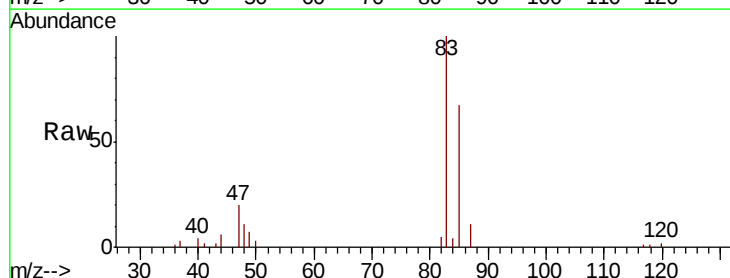
Acq: 23 May 2019 13:12

Tgt Ion: 83 Resp: 30381

Ion Ratio Lower Upper

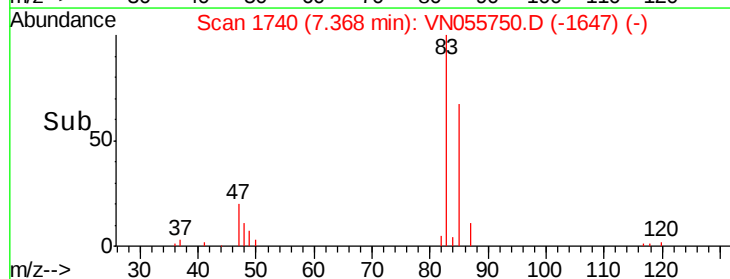
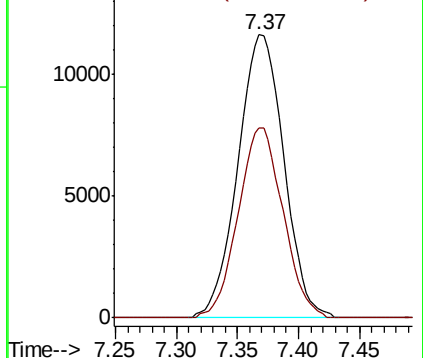
83 100

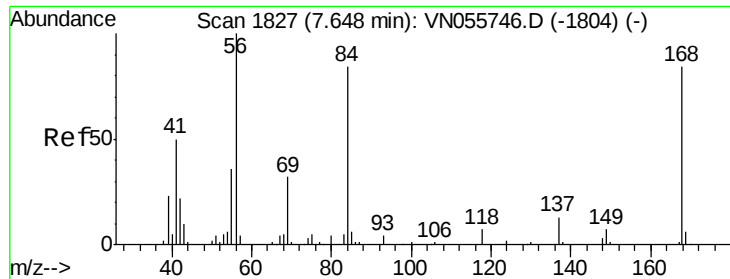
85 67.3 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

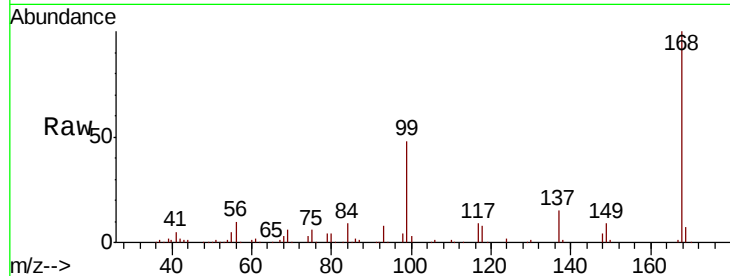




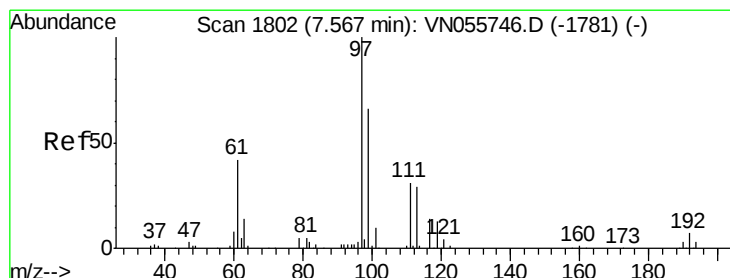
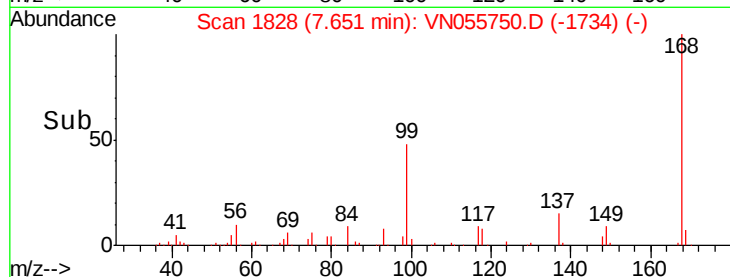
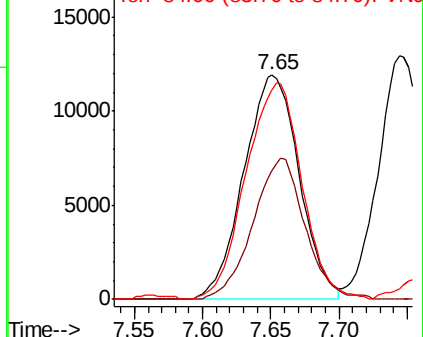
#31
Cyclohexane
Concen: 5.358 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 56 Resp: 33511
Ion Ratio Lower Upper
56 100
69 57.1 25.6 38.4#
84 93.2 67.4 101.0

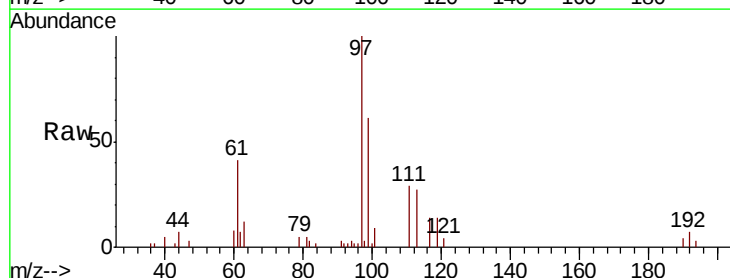


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

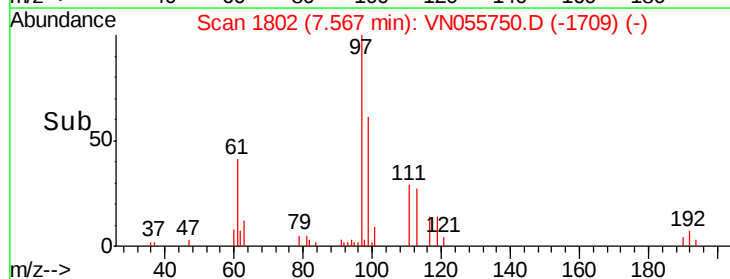
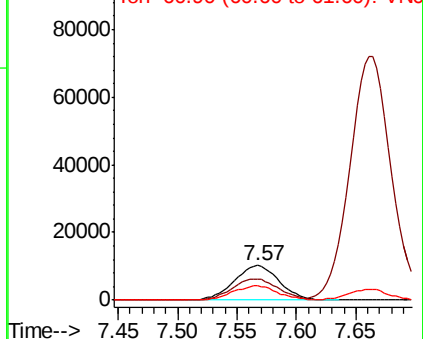


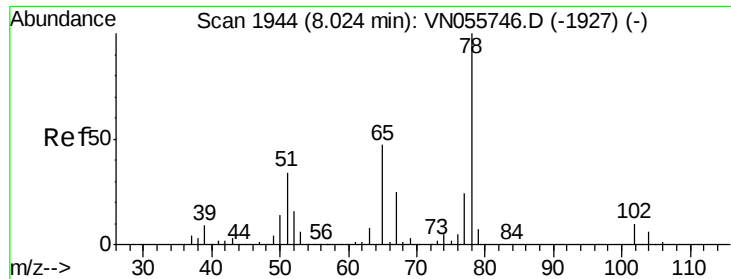
#32
1,1,1-Trichloroethane
Concen: 4.437 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion: 97 Resp: 26822
Ion Ratio Lower Upper
97 100
99 62.3 52.0 78.0
61 40.5 32.9 49.3



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 4.418 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

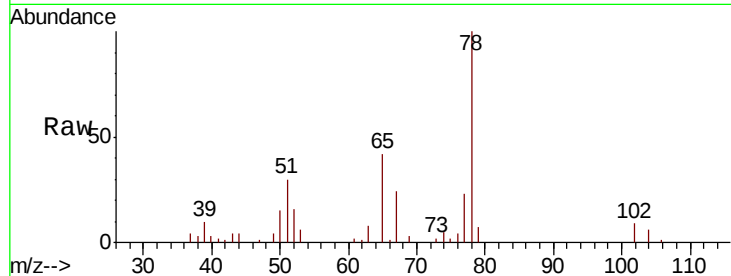
VSTDIC005

Tot Ion: 65 Resp: 18549

Ion Ratio Lower Upper

65 100

67 55.5 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN055750.D (-1851) (-)

Ion 66.90 (66.60 to 67.60): VN055750.D (-1851) (-)

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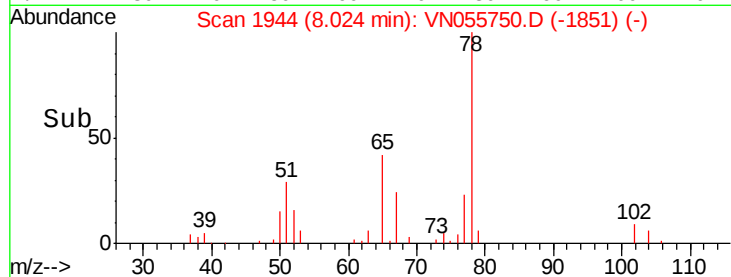
8.02

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8.02



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

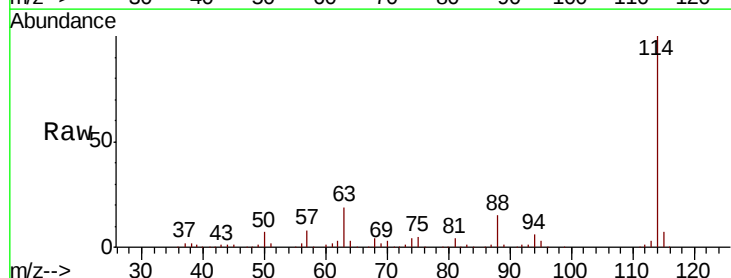
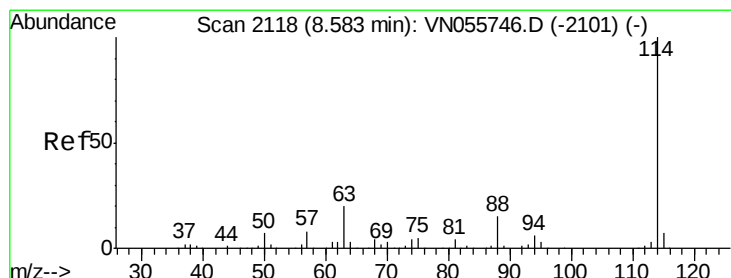
Tgt Ion: 114 Resp: 530999

Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.2

88 15.2 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN055750.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN055750.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN055750.D (-2025) (-)

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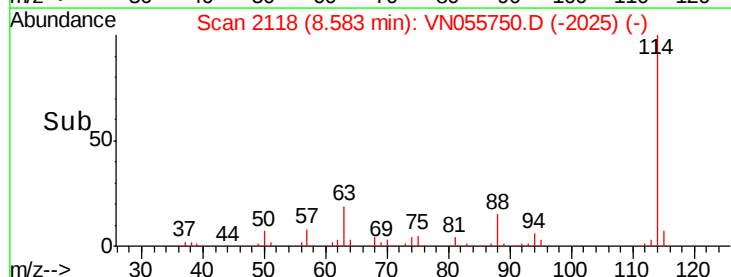
8.58

8.58

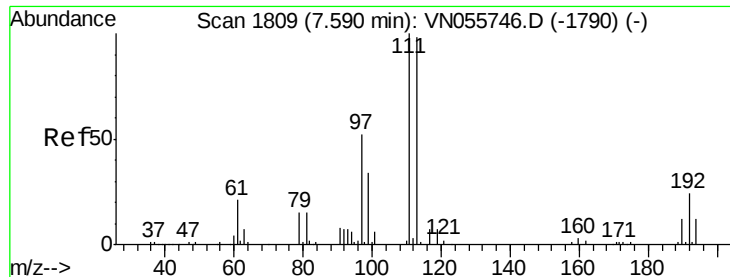
8.58

8.58

8.58



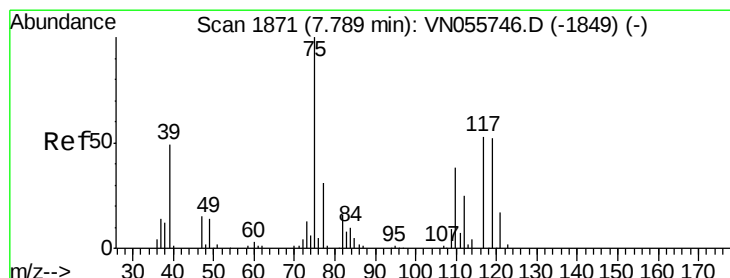
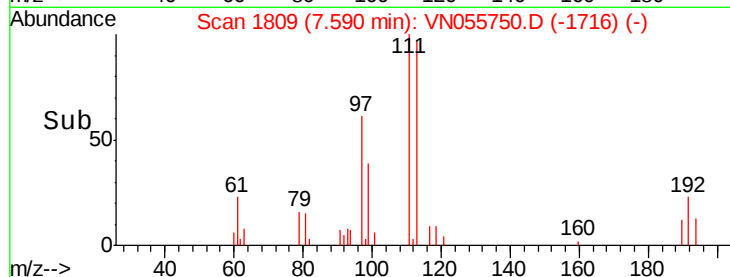
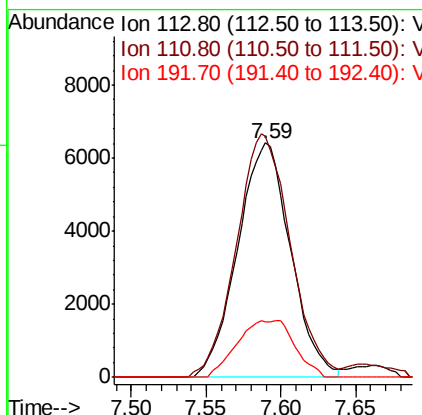
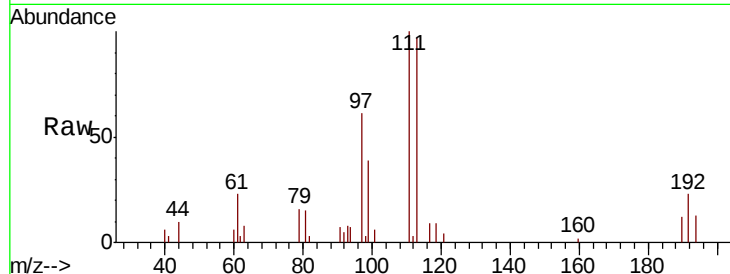
Time-->



#35
 Dibromofluoromethane
 Concen: 4.684 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

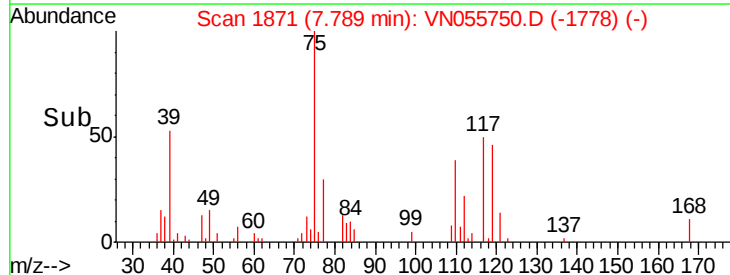
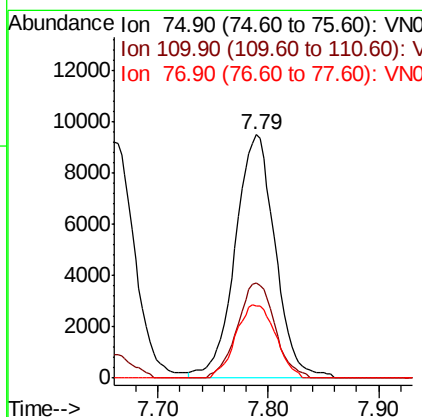
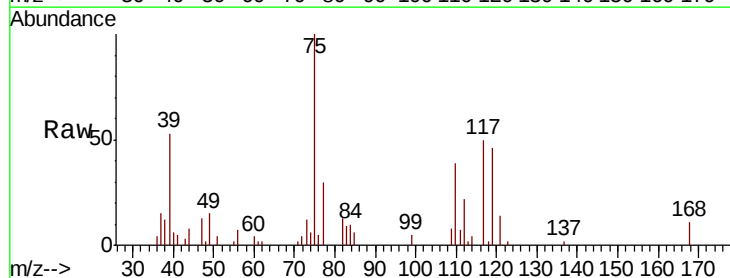
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

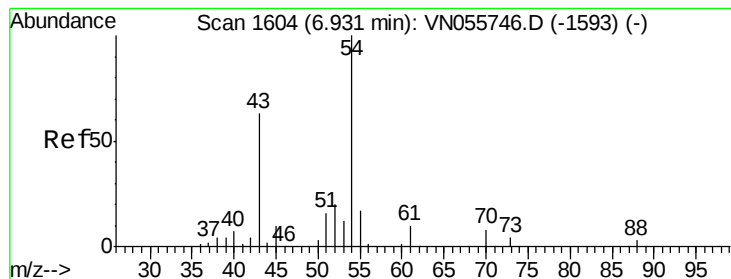
Tot Ion:113 Resp: 15774
 Ion Ratio Lower Upper
 113 100
 111 105.9 81.9 122.9
 192 26.2 19.5 29.3



#36
 1,1-Dichloropropene
 Concen: 5.051 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Tgt Ion: 75 Resp: 23788
 Ion Ratio Lower Upper
 75 100
 110 36.8 19.0 57.0
 77 29.9 25.1 37.7





#37

Ethyl Acetate

Concen: 5.159 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

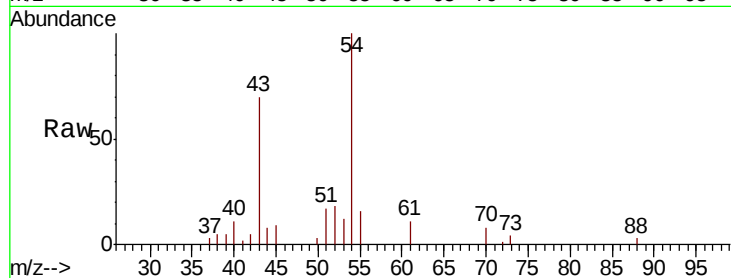
Tot Ion: 43 Resp: 22017

Ion Ratio Lower Upper

43 100

61 15.3 12.2 18.2

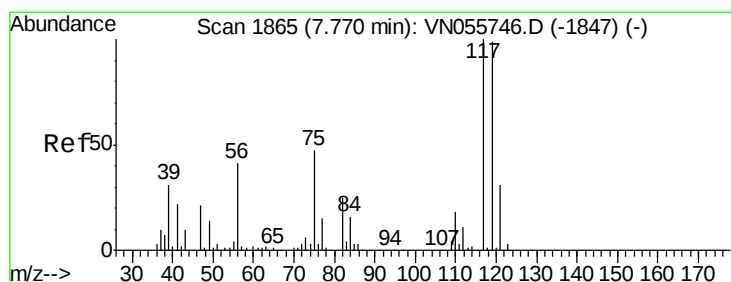
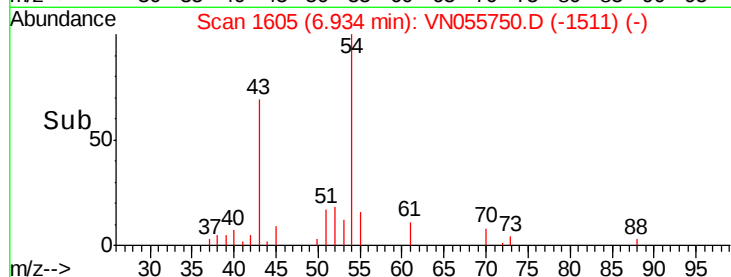
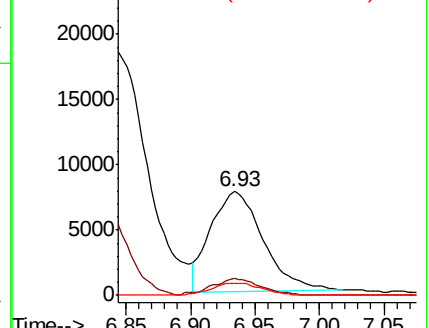
70 11.6 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1593) (-)

Ion 60.90 (60.60 to 61.60): VN055746.D (-1593) (-)

Ion 70.00 (69.70 to 70.70): VN055746.D (-1593) (-)



#38

Carbon Tetrachloride

Concen: 4.769 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

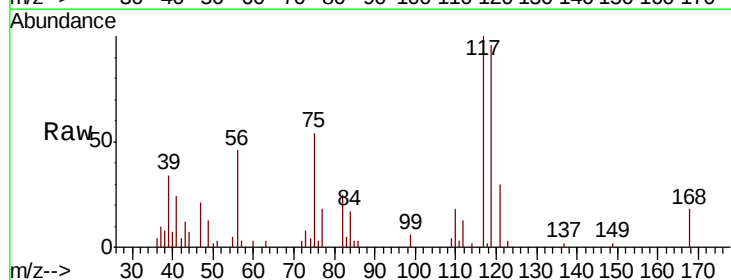
Tgt Ion: 117 Resp: 24049

Ion Ratio Lower Upper

117 100

119 98.1 79.0 118.6

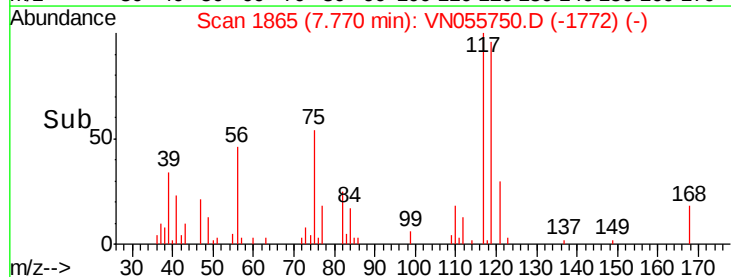
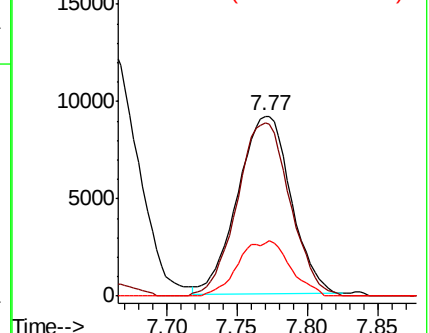
121 30.3 24.7 37.1

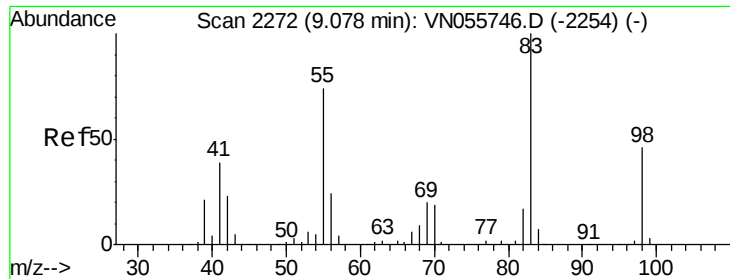


Abundance Ion 116.80 (116.50 to 117.50): VN055746.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN055746.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN055746.D (-1847) (-)

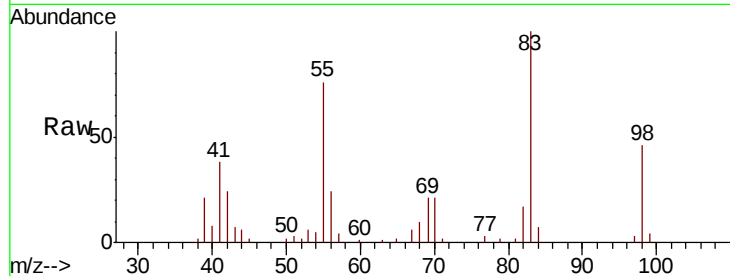




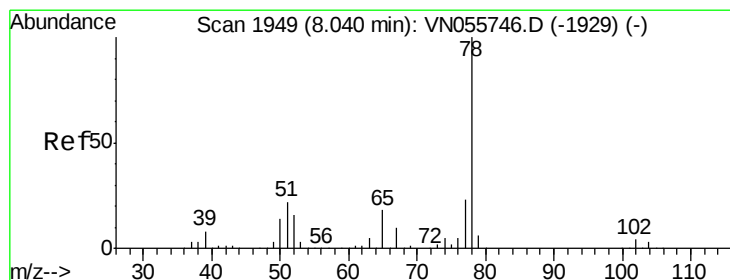
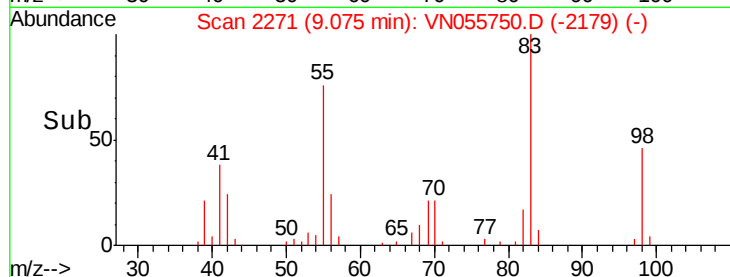
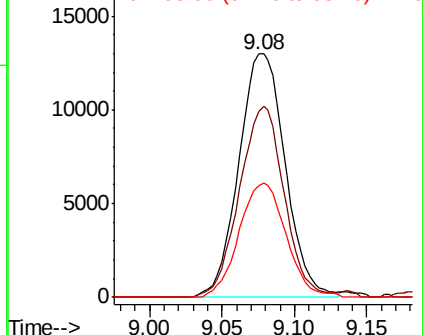
#39
Methvlcvclohexane
Concen: 5.074 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 83 Resp: 28983
Ion Ratio Lower Upper
83 100
55 76.2 59.3 88.9
98 45.9 36.6 54.8

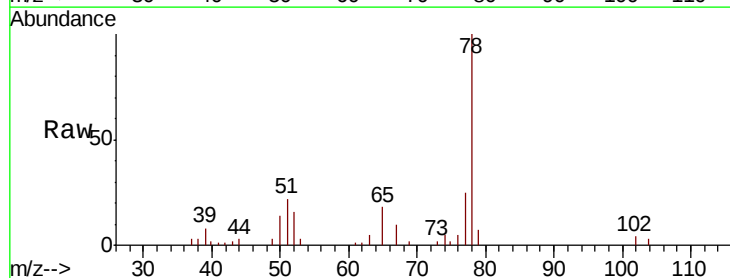


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

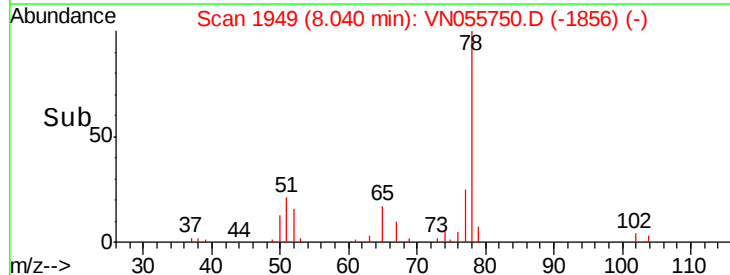
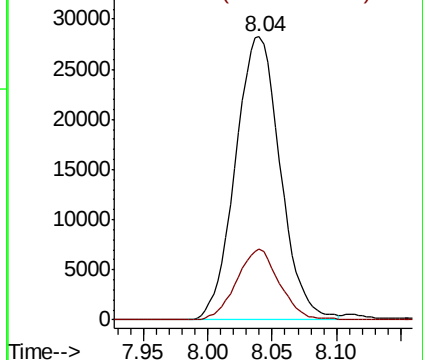


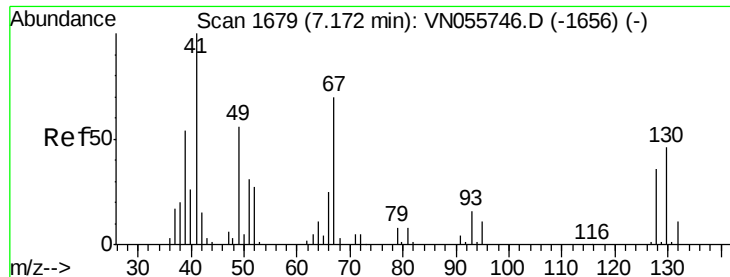
#40
Benzene
Concen: 4.918 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion: 78 Resp: 68538
Ion Ratio Lower Upper
78 100
77 24.9 18.8 28.2



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

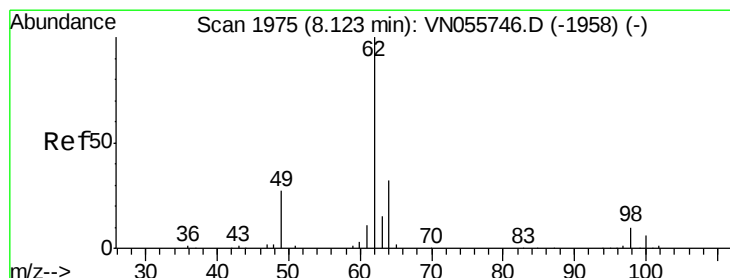
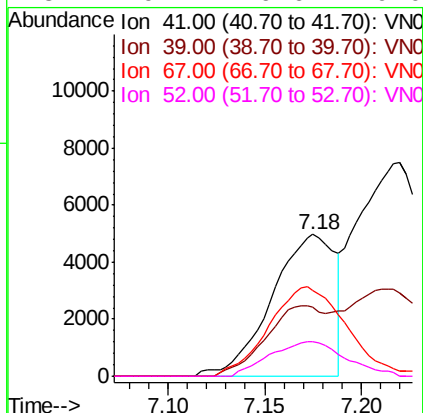
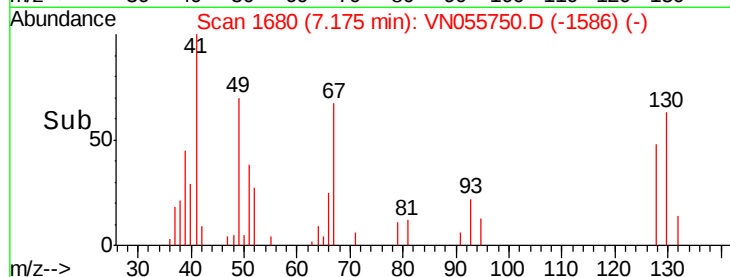
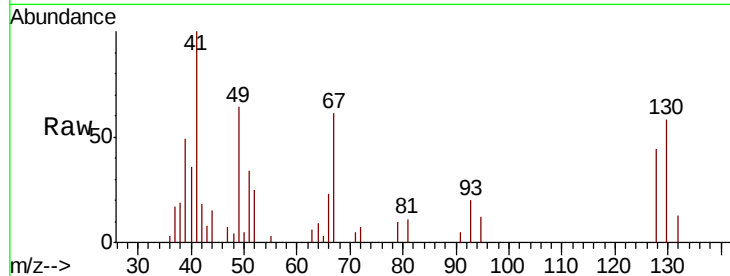




#41
Methacrylonitrile
Concen: 6.114 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

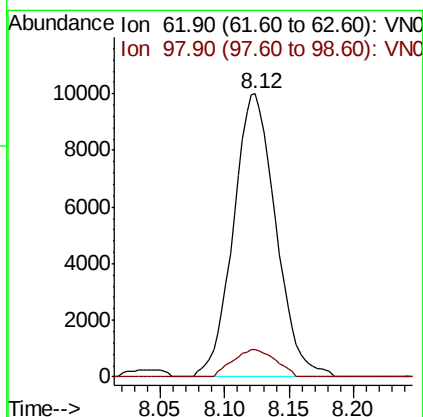
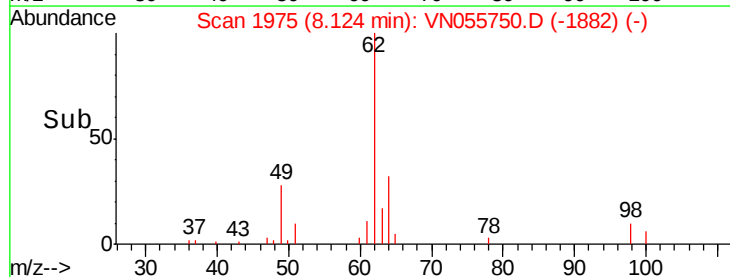
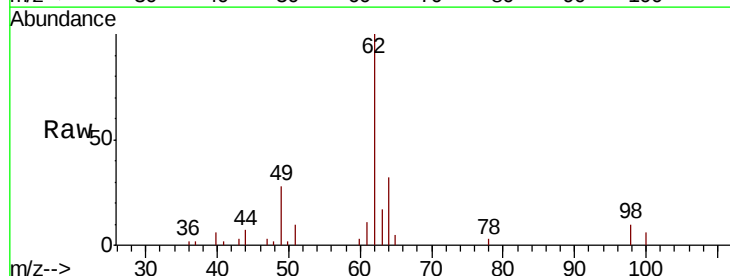
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

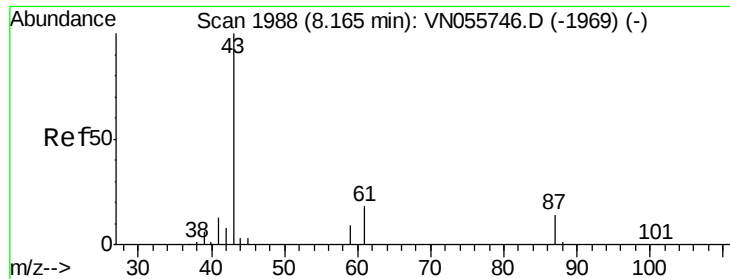
Tot Ion: 41 Resp: 11327
Ion Ratio Lower Upper
41 100
39 45.2 45.6 68.4#
67 76.8 67.7 101.5
52 29.2 26.6 40.0



#42
1,2-Dichloroethane
Concen: 5.087 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion: 62 Resp: 22916
Ion Ratio Lower Upper
62 100
98 9.8 0.0 20.2





#43

Isopropyl Acetate

Concen: 4.900 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

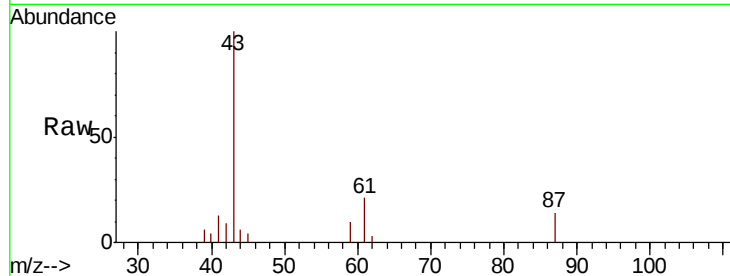
Tot Ion: 43 Resp: 36438

Ion Ratio Lower Upper

43 100

61 20.5 22.2 33.4#

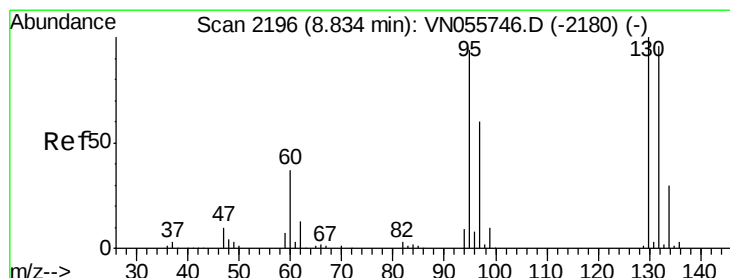
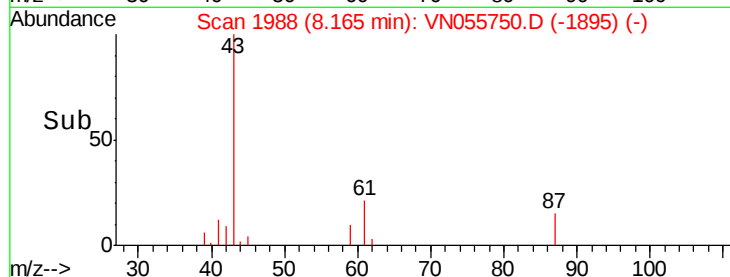
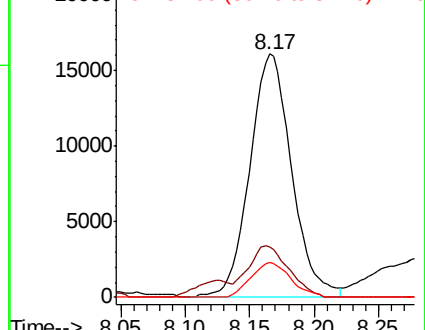
87 13.5 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN055746.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1969) (-)



#44

Trichloroethene

Concen: 4.991 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055750.D

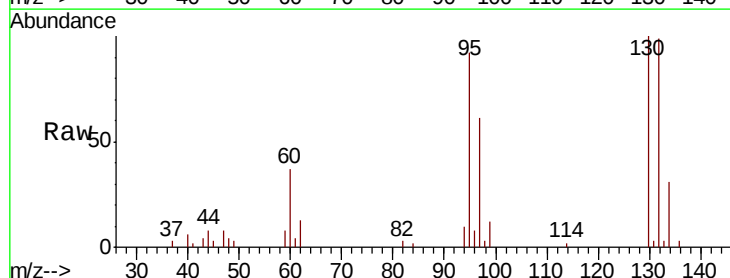
Acq: 23 May 2019 13:12

Tgt Ion:130 Resp: 19608

Ion Ratio Lower Upper

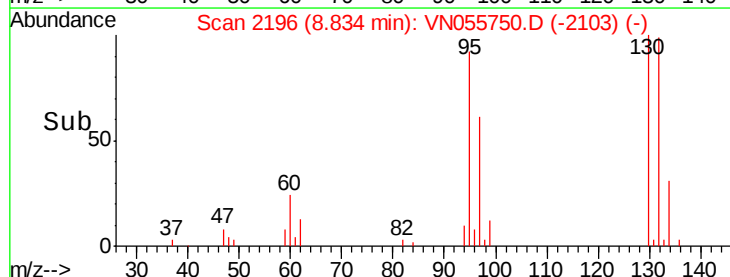
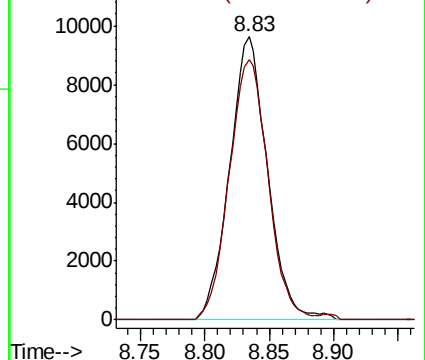
130 100

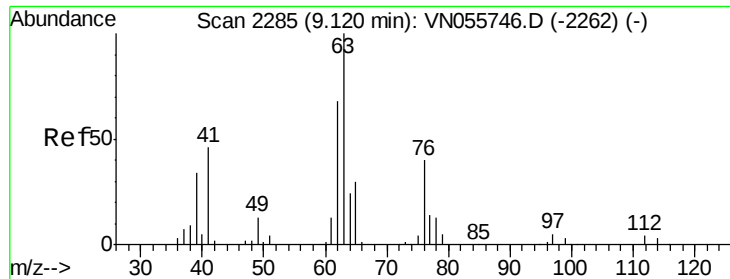
95 91.9 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055746.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055746.D (-2180) (-)

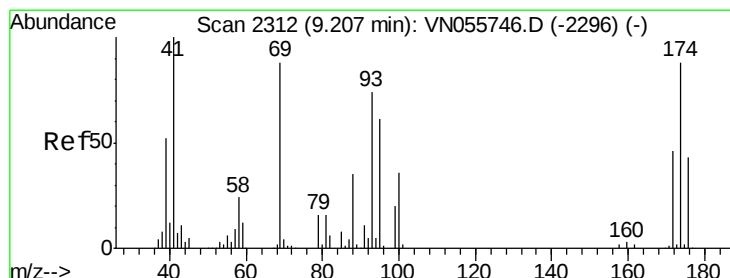
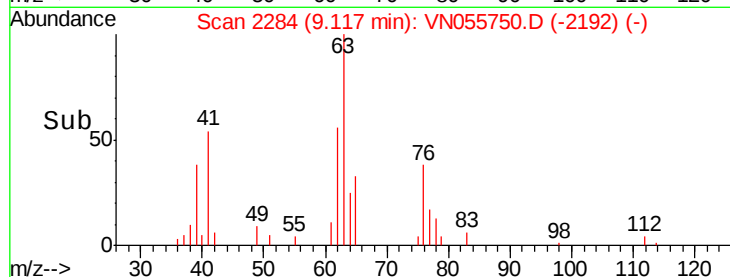
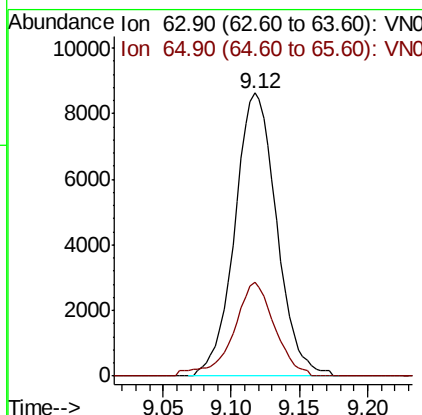
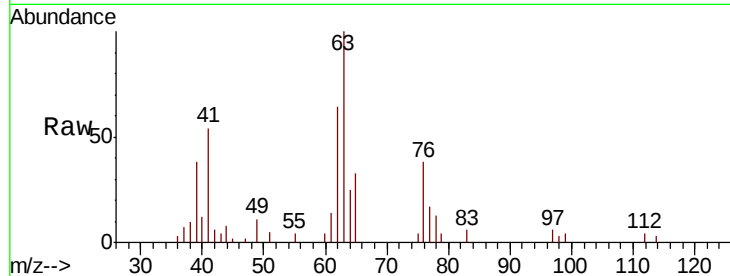




#45
 1,2-Dichloropropane
 Concen: 5.020 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

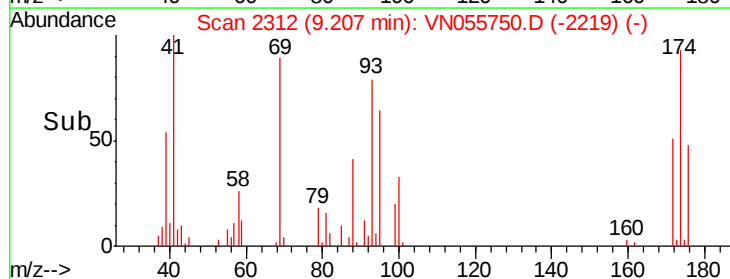
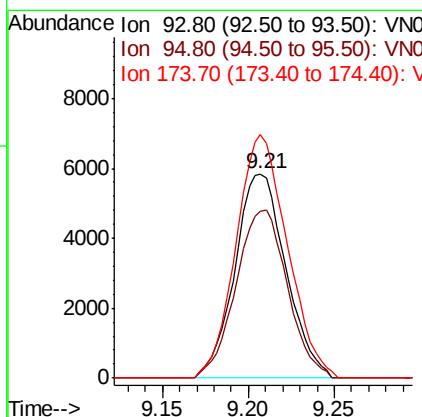
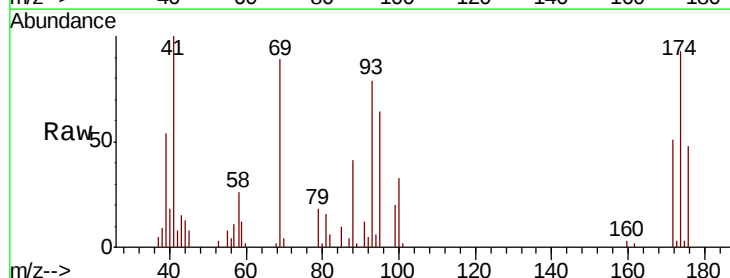
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 18411
 Ion Ratio Lower Upper
 63 100
 65 33.2 24.6 36.8



#46
 Dibromomethane
 Concen: 4.999 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Tgt Ion: 93 Resp: 12017
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.7 100.1
 174 119.7 96.4 144.6





#47

Bromodichloromethane

Concen: 4.726 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

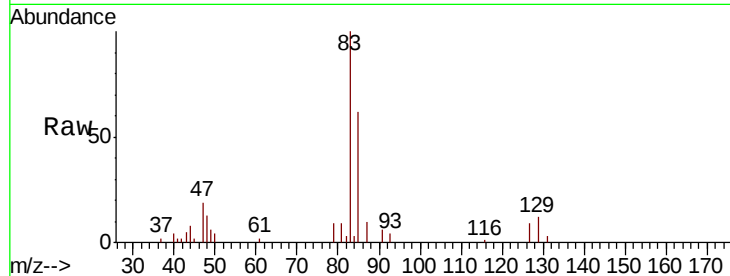
Tot Ion: 83 Resp: 23715

Ion Ratio Lower Upper

83 100

85 62.4 52.2 78.2

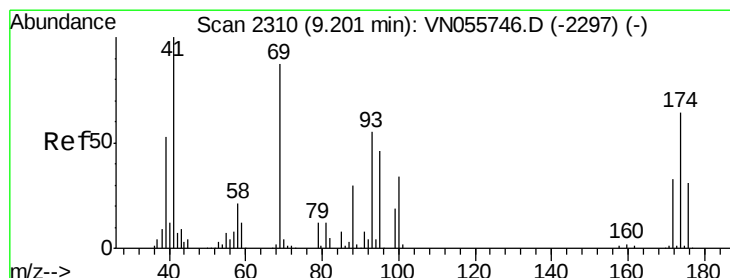
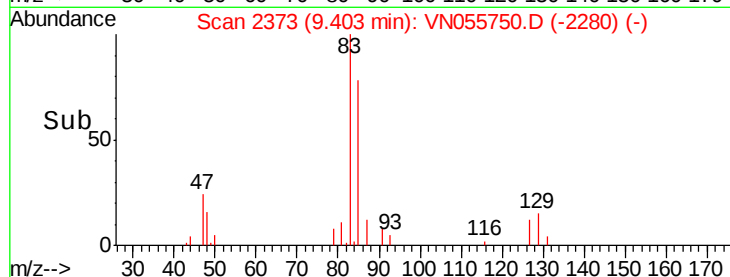
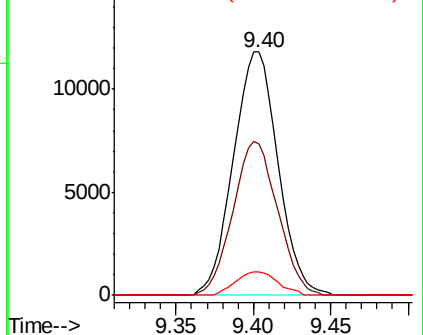
127 9.4 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN055746.D (-2354) (-)

Ion 84.90 (84.60 to 85.60): VN055746.D (-2354) (-)

Ion 126.80 (126.50 to 127.50): VN055746.D (-2354) (-)



#48

Methyl methacrylate

Concen: 4.846 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

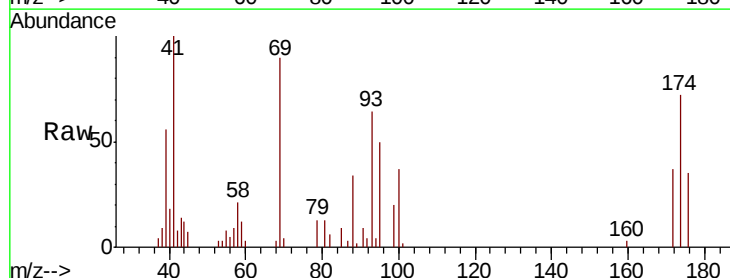
Tgt Ion: 41 Resp: 16144

Ion Ratio Lower Upper

41 100

69 94.6 71.0 106.6

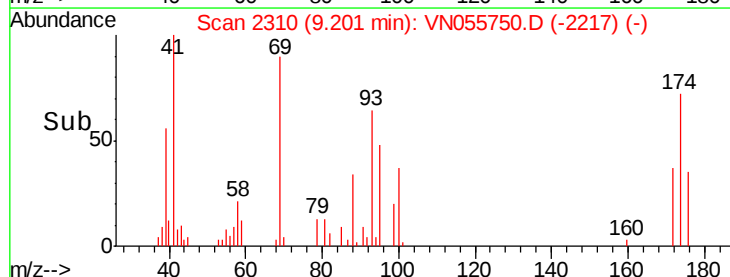
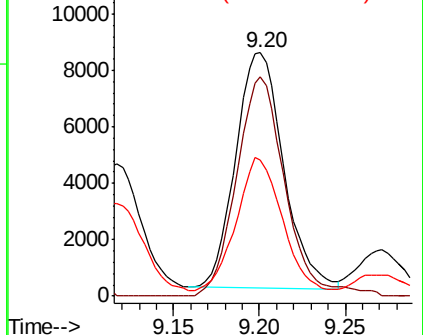
39 59.0 44.2 66.2

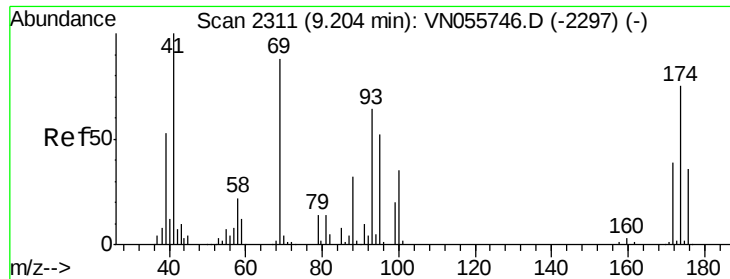


Abundance Ion 41.00 (40.70 to 41.70): VN055746.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN055746.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN055746.D (-2297) (-)





#49

1,4-Dioxane

Concen: 108.873 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

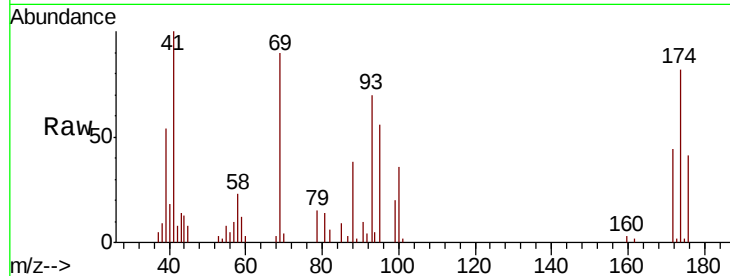
Tot Ion: 88 Resp: 7188

Ion Ratio Lower Upper

88 100

43 24.3 20.5 30.7

58 69.2 55.8 83.6

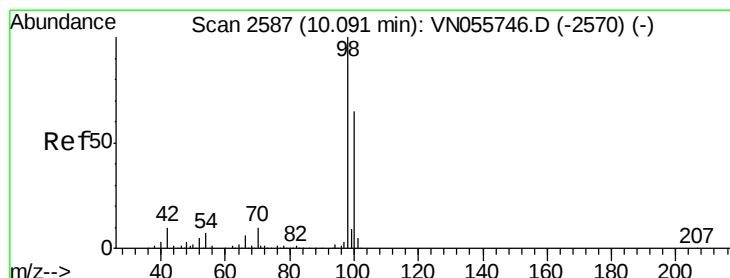
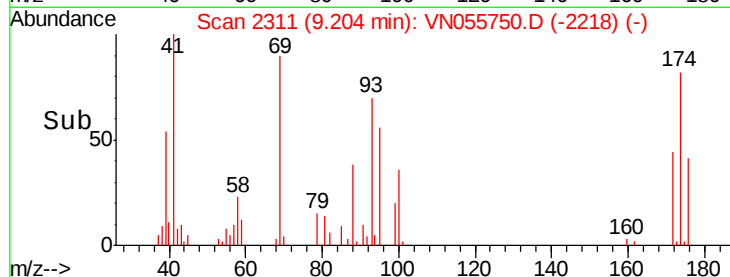
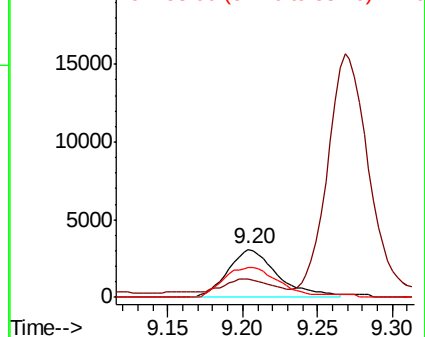


Abundance

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: 4.853 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055750.D

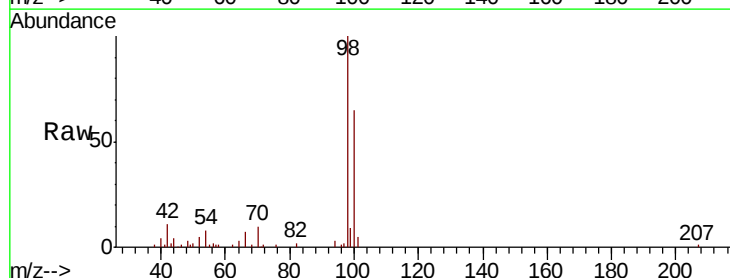
Acq: 23 May 2019 13:12

Tgt Ion: 98 Resp: 61941

Ion Ratio Lower Upper

98 100

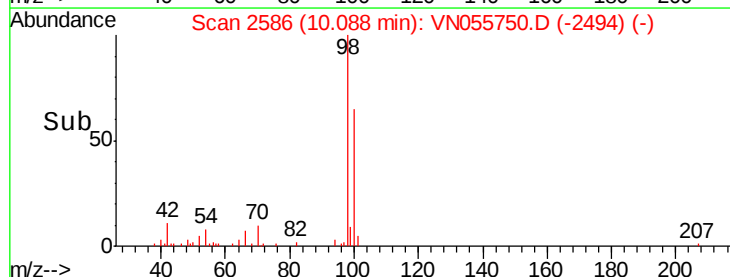
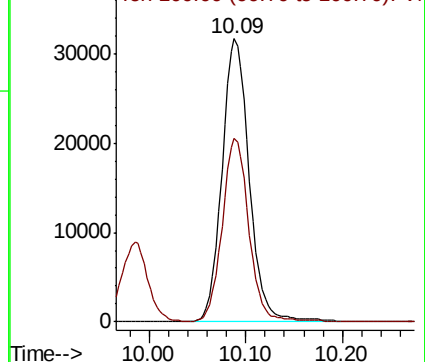
100 63.2 51.9 77.9

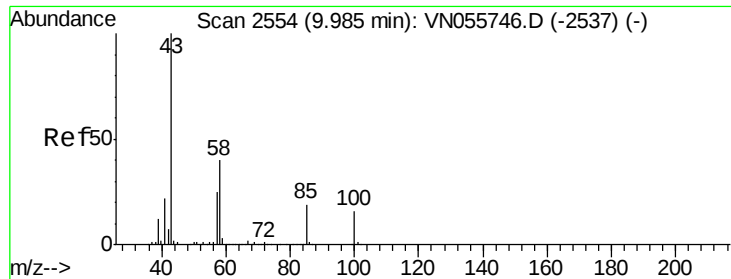


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

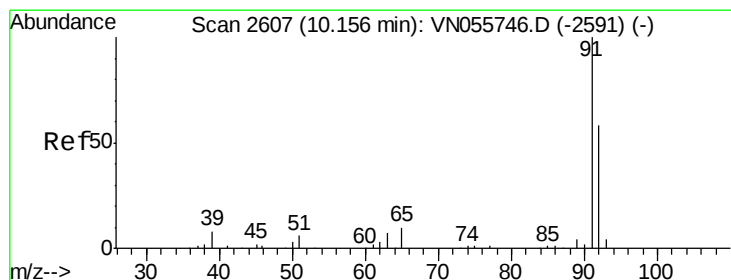
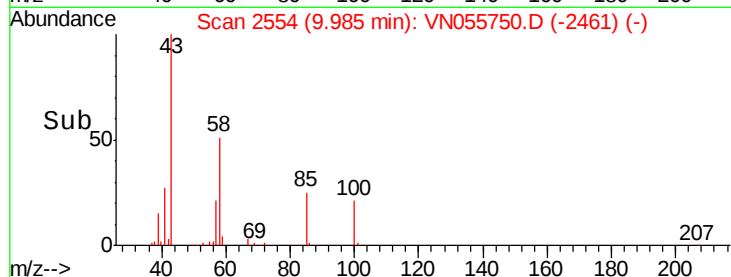
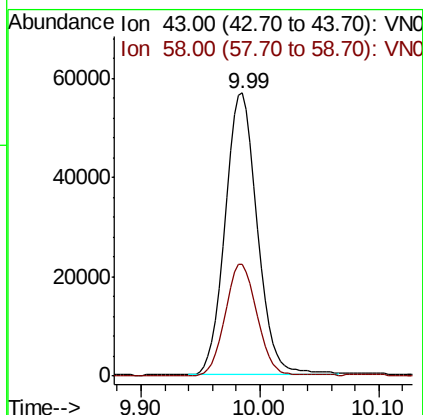
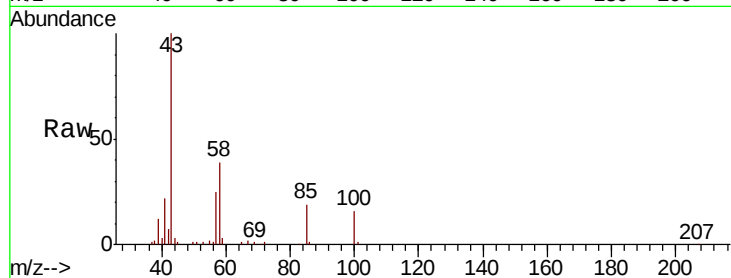




#51
 4-Methyl-2-Pentanone
 Concen: 24.289 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

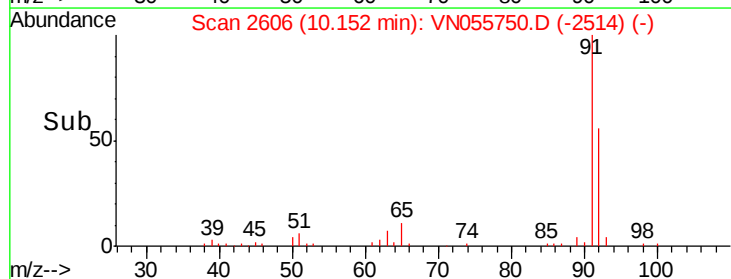
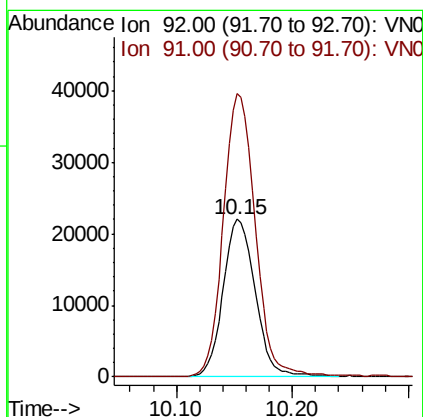
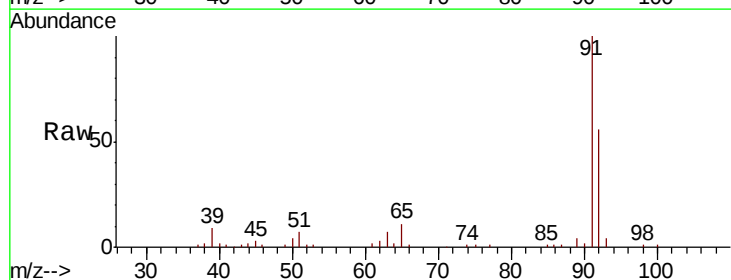
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

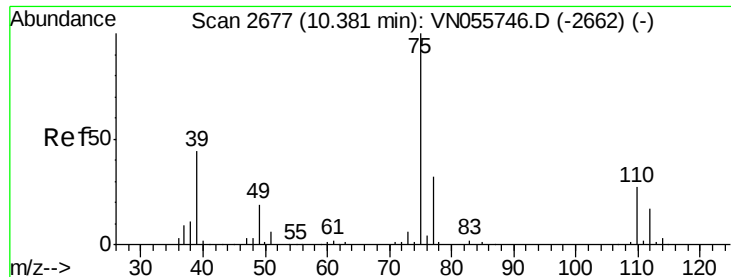
Tot Ion: 43 Resp: 106717
 Ion Ratio Lower Upper
 43 100
 58 39.8 32.1 48.1



#52
 Toluene
 Concen: 4.832 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. -0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Tgt Ion: 92 Resp: 42341
 Ion Ratio Lower Upper
 92 100
 91 178.3 139.4 209.2

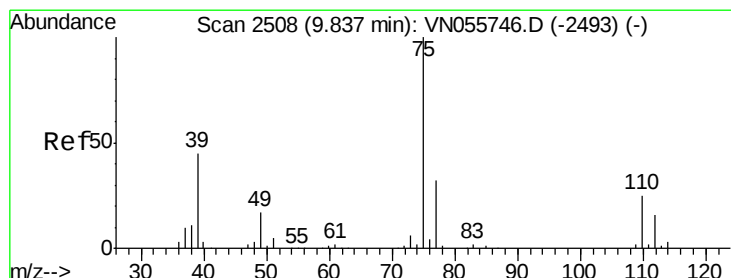
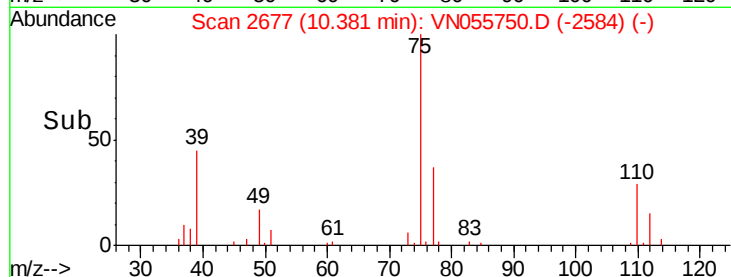
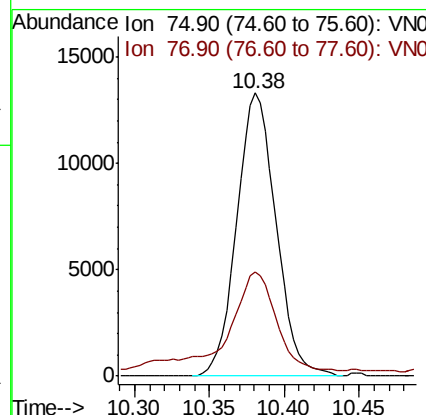
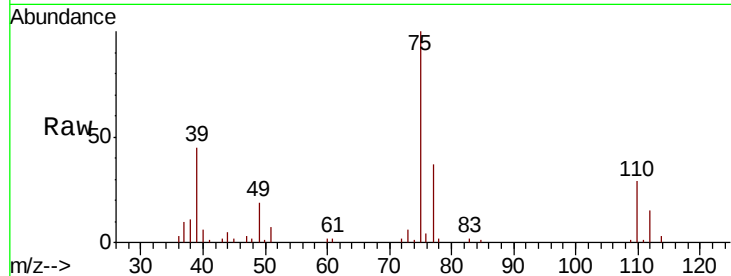




#53
 t-1,3-Dichloropropene
 Concen: 4.513 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

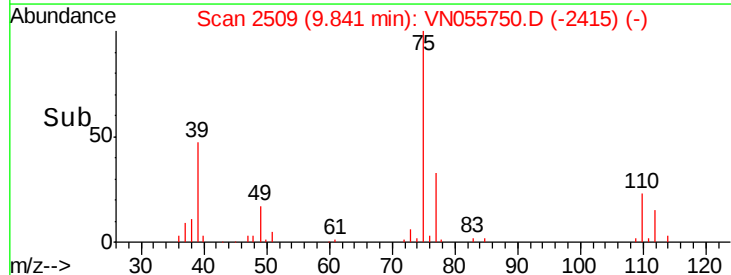
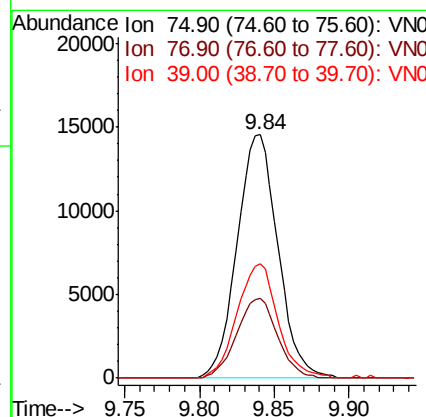
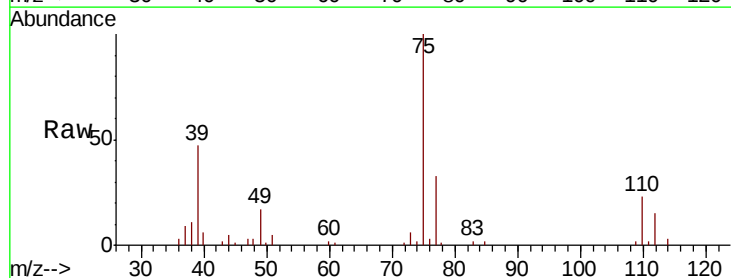
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

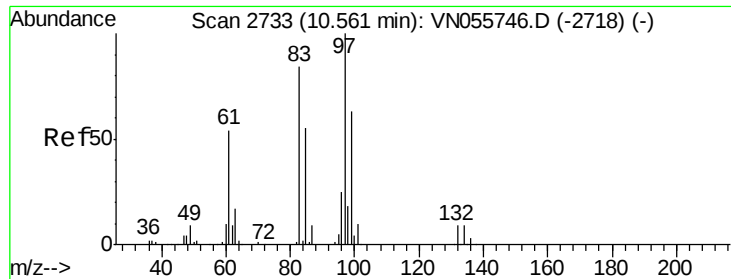
Tot Ion: 75 Resp: 24326
 Ion Ratio Lower Upper
 75 100
 77 34.9 25.8 38.6



#54
 cis-1,3-Dichloropropene
 Concen: 4.675 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Tgt Ion: 75 Resp: 27618
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.4 38.0
 39 47.1 36.3 54.5

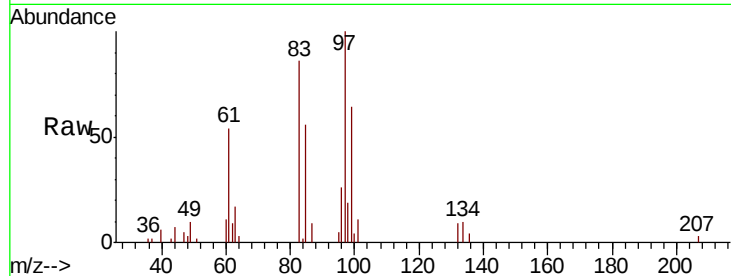




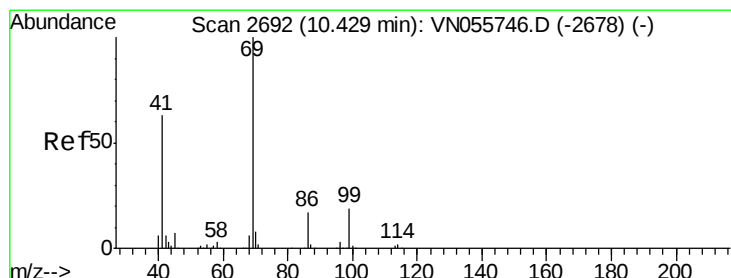
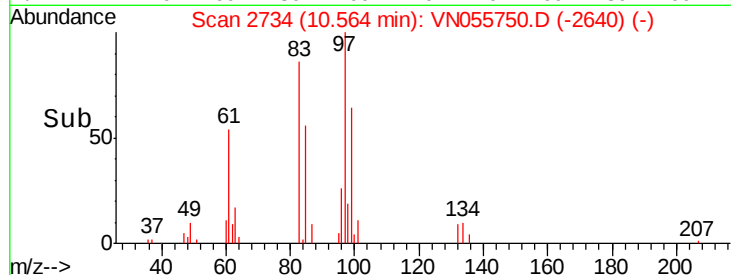
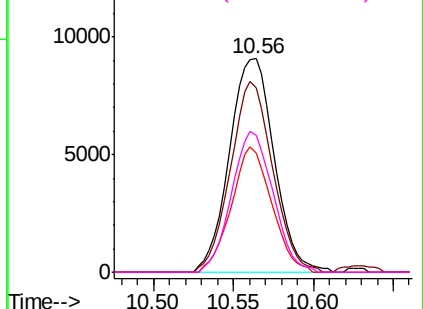
#55
 1,1,2-Trichloroethane
 Concen: 4.808 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion:	97	Resp:	17325
Ion	Ratio	Lower	Upper
97	100		
83	86.1	67.0	100.6
85	55.8	44.0	66.0
99	64.4	50.6	75.8

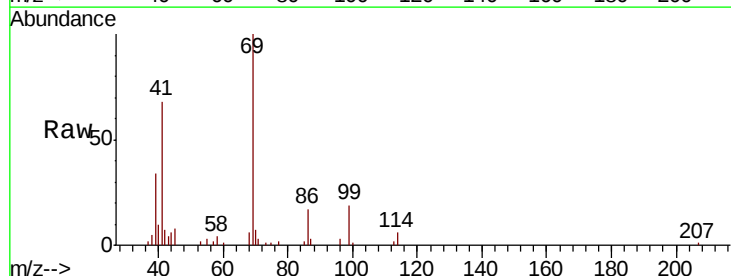


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

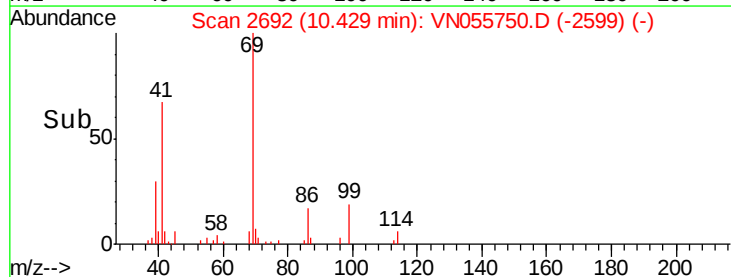
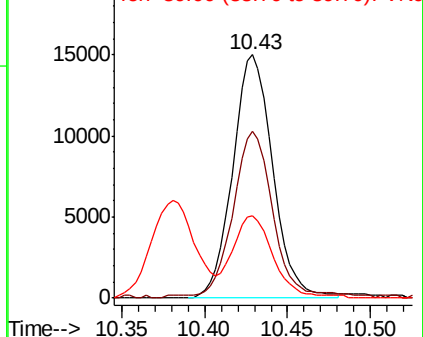


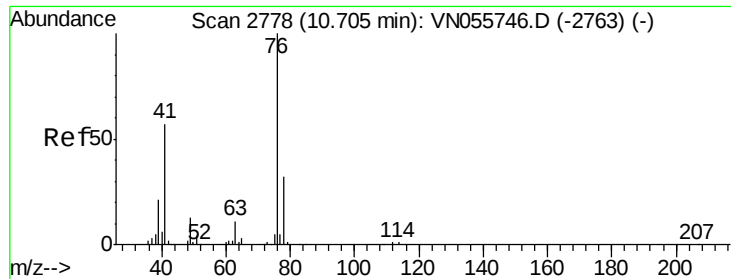
#56
 Ethyl methacrylate
 Concen: 4.479 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Tgt Ion:	69	Resp:	25209
Ion	Ratio	Lower	Upper
69	100		
41	69.9	49.7	74.5
39	32.1	24.7	37.1



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

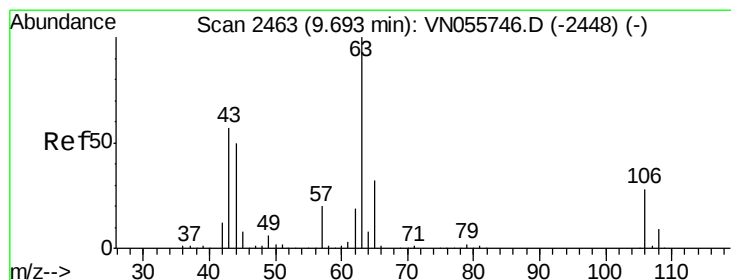
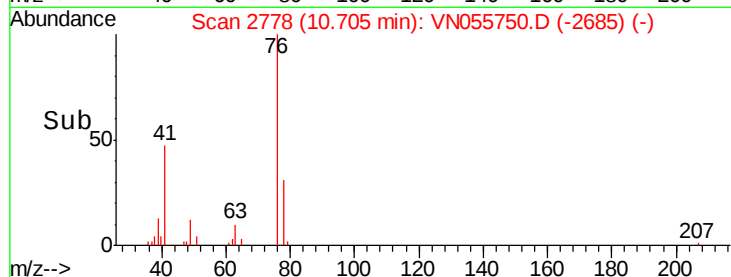
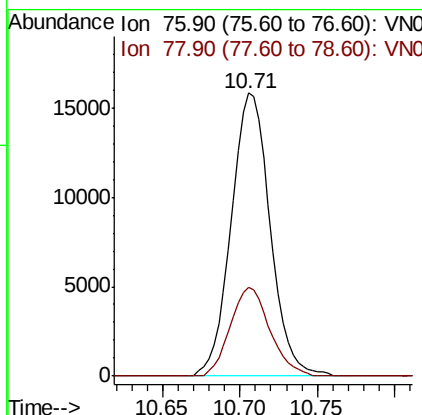
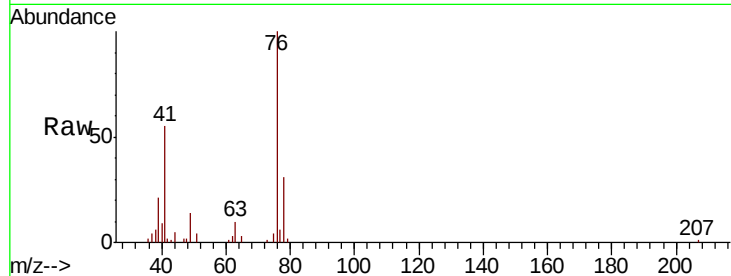




#57
 1,3-Dichloropropane
 Concen: 4.846 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

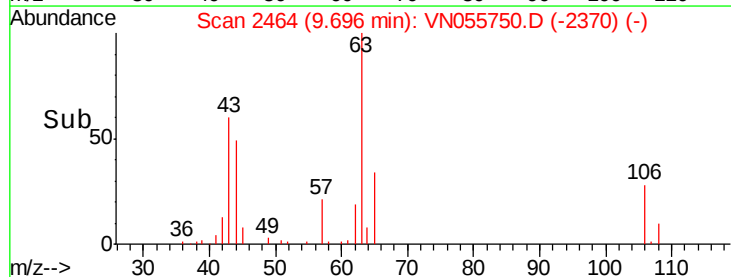
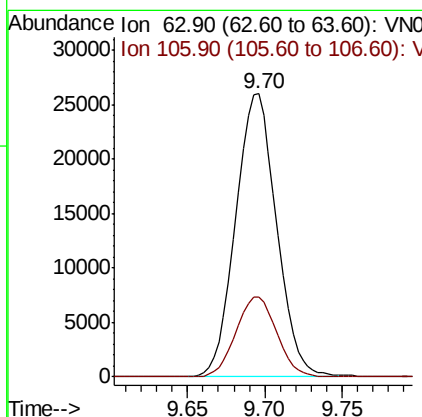
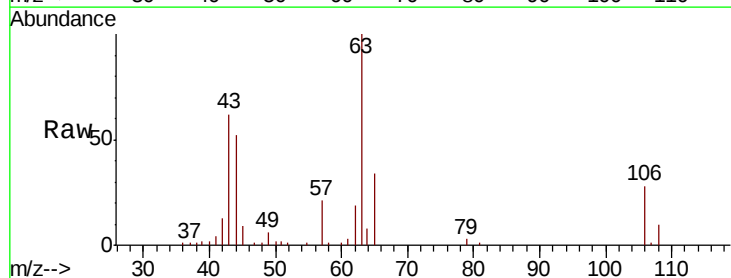
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

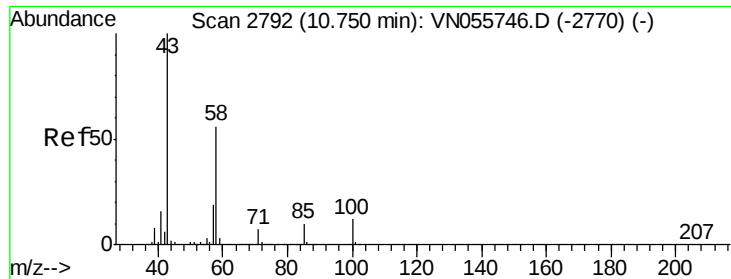
Tot Ion: 76 Resp: 27609
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 20.487 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Tgt Ion: 63 Resp: 47875
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.7 34.1

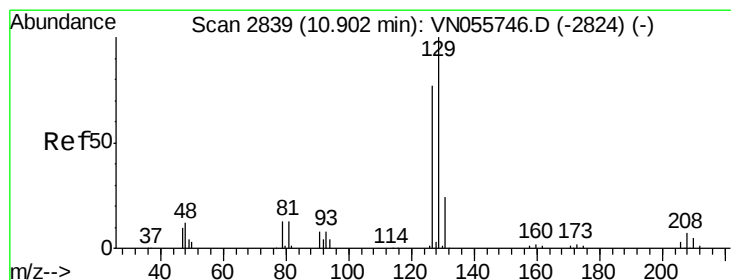
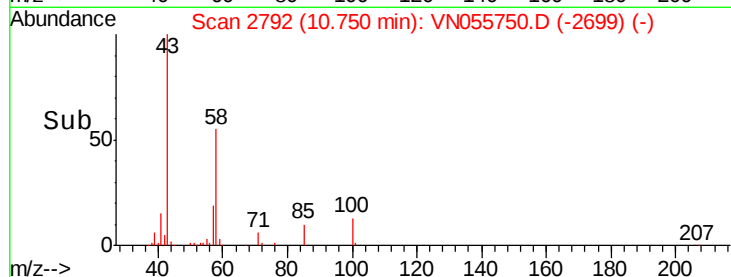
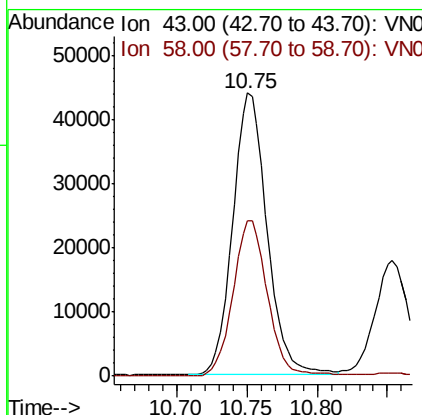
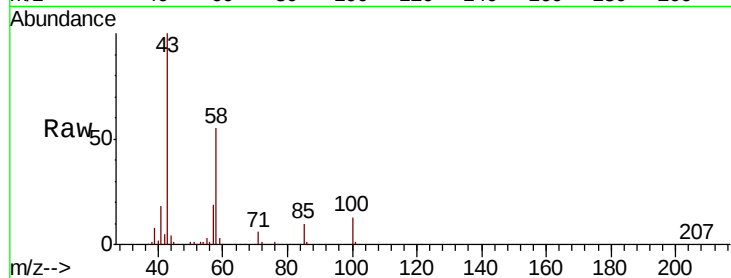




#59
2-Hexanone
Concen: 24.229 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

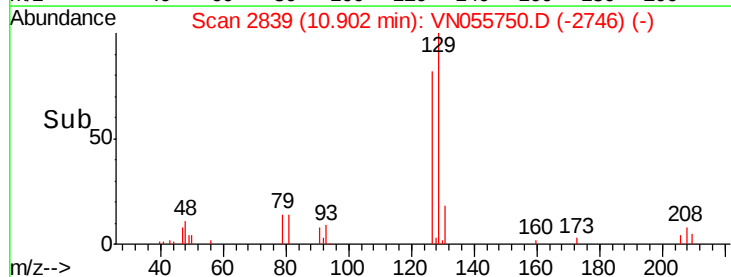
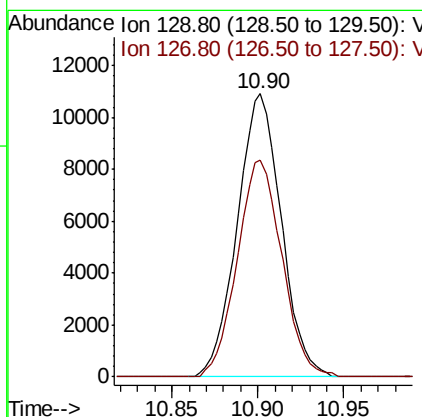
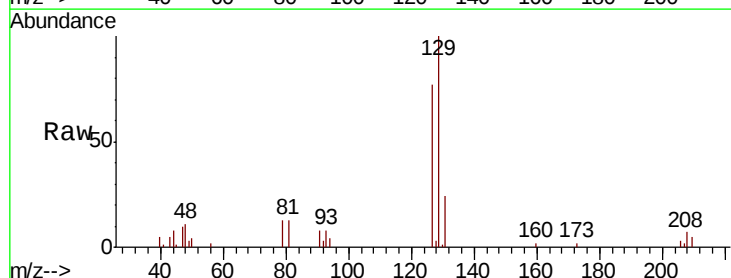
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

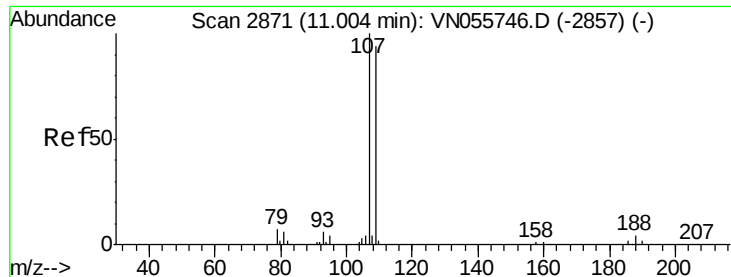
Tot Ion: 43 Resp: 74814
Ion Ratio Lower Upper
43 100
58 55.5 28.2 84.7



#60
Dibromochloromethane
Concen: 4.746 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion: 129 Resp: 19386
Ion Ratio Lower Upper
129 100
127 77.6 38.1 114.3

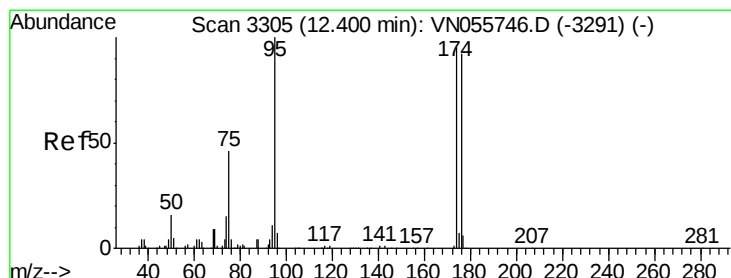
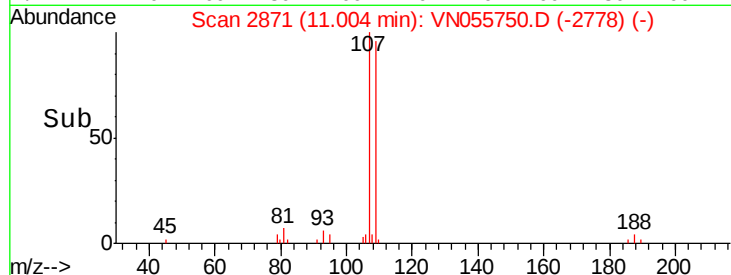
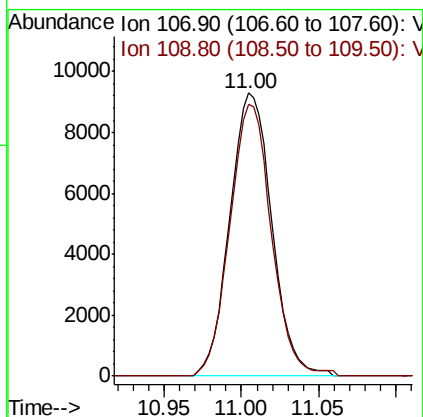
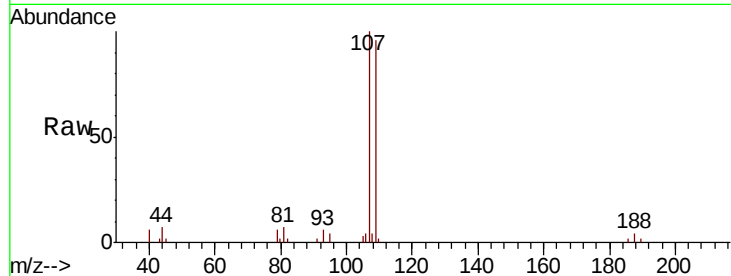




#61
 1,2-Dibromoethane
 Concen: 4.859 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

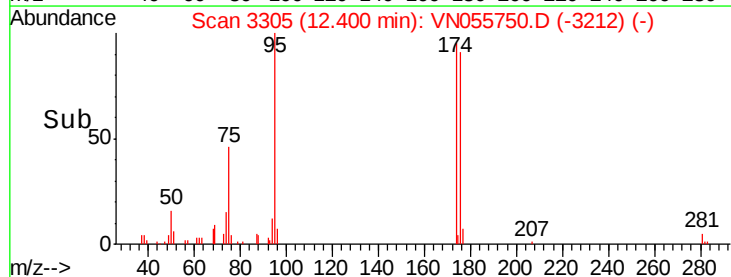
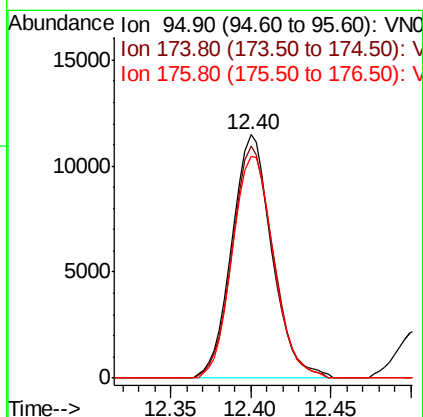
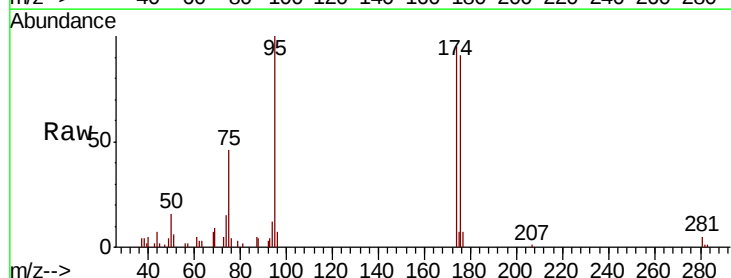
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

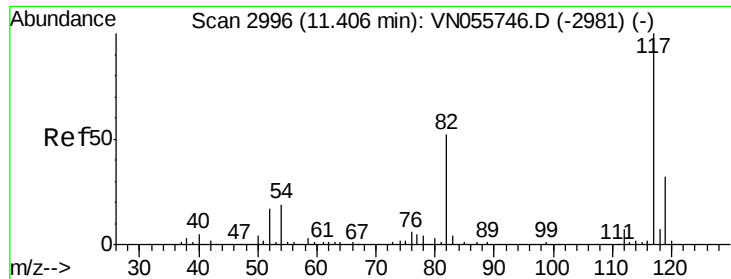
Tot Ion:107 Resp: 17535
 Ion Ratio Lower Upper
 107 100
 109 95.0 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 4.461 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Tgt Ion: 95 Resp: 19691
 Ion Ratio Lower Upper
 95 100
 174 96.3 0.0 191.0
 176 93.5 0.0 185.2

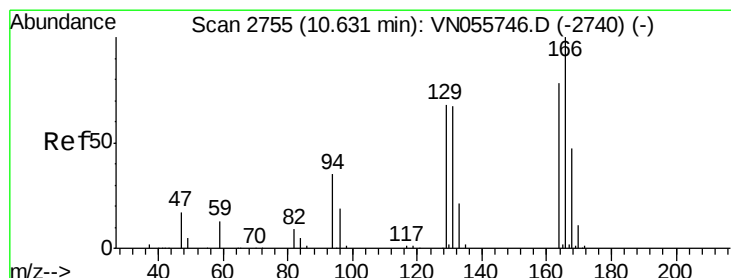
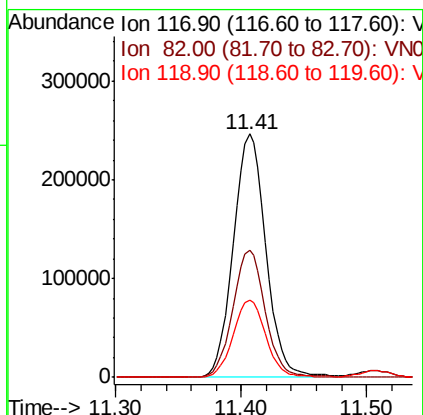
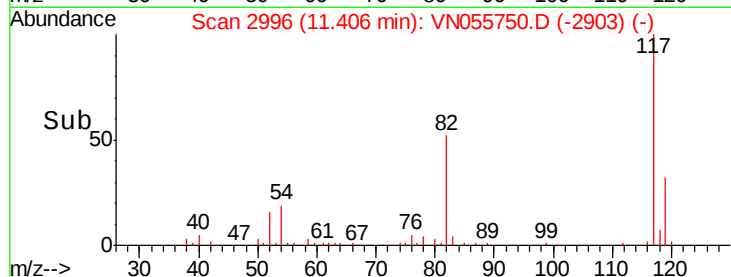
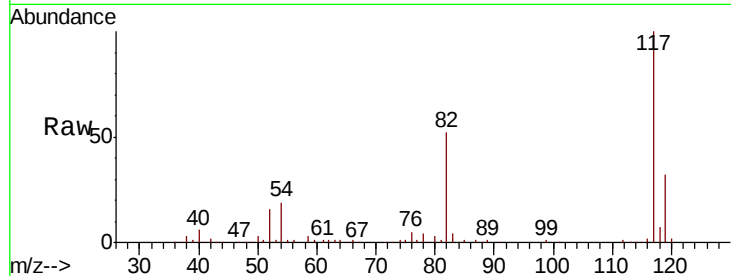




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

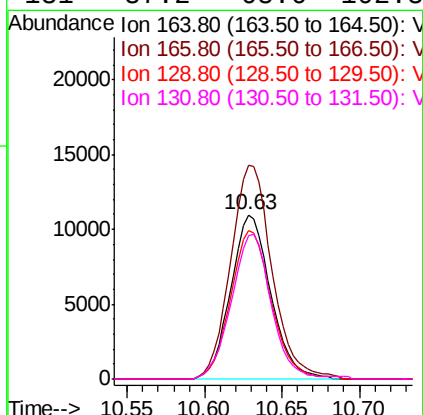
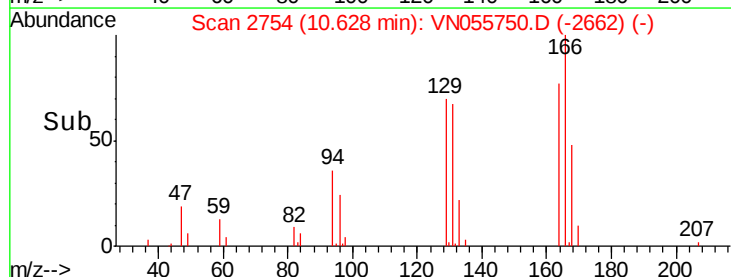
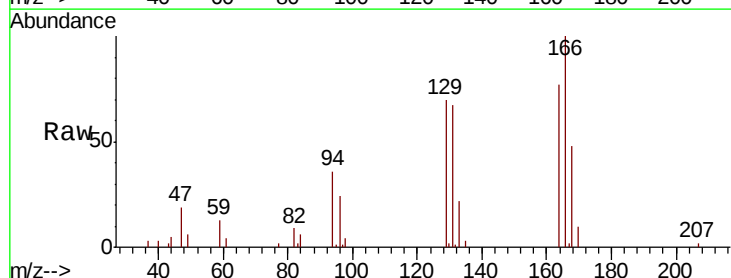
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

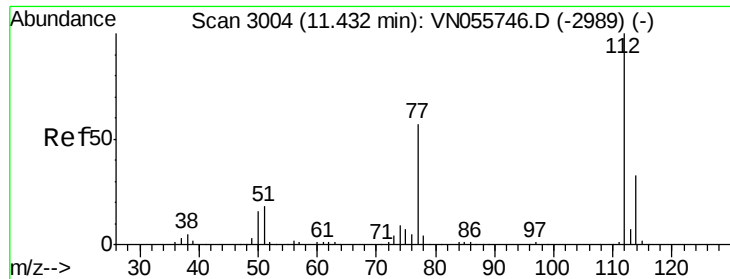
Tot Ion:117 Resp: 44531
Ion Ratio Lower Upper
117 100
82 52.4 41.8 62.8
119 31.9 25.4 38.0



#64
Tetrachloroethene
Concen: 5.559 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion:164 Resp: 19684
Ion Ratio Lower Upper
164 100
166 130.2 103.0 154.6
129 90.6 70.6 105.8
131 87.2 68.6 102.8

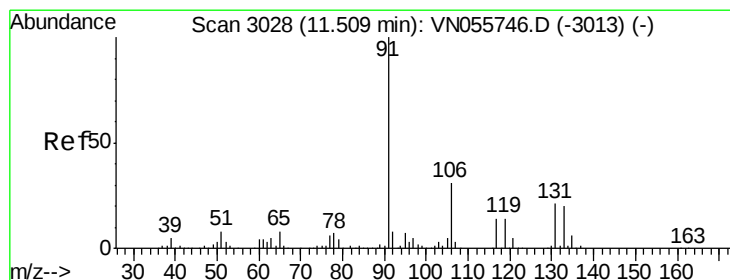
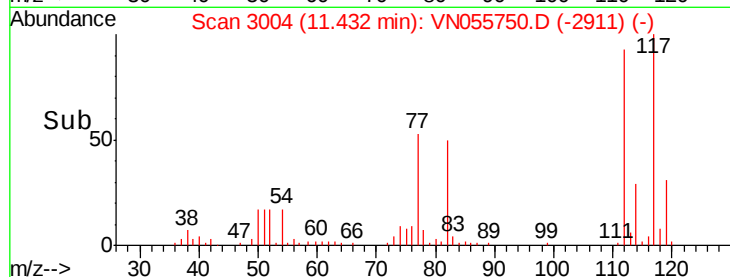
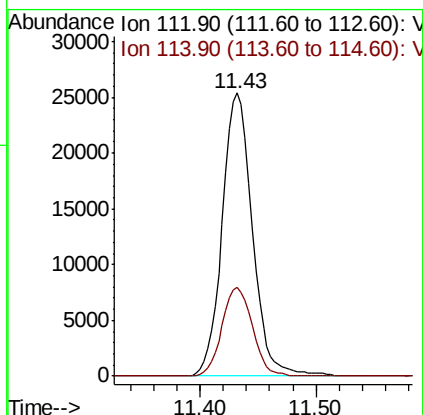
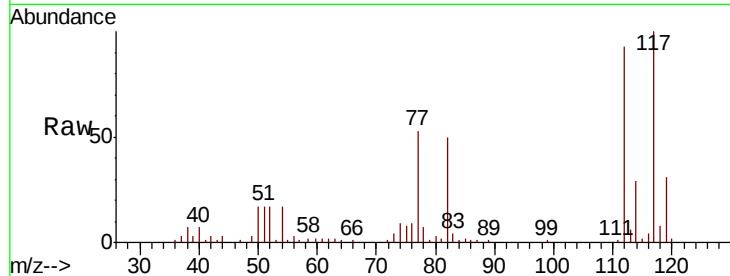




#65
Chlorobenzene
Concen: 5.077 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

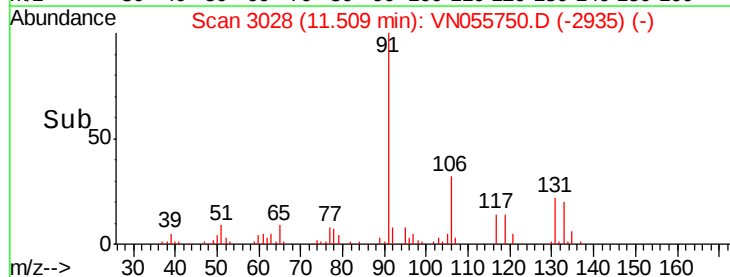
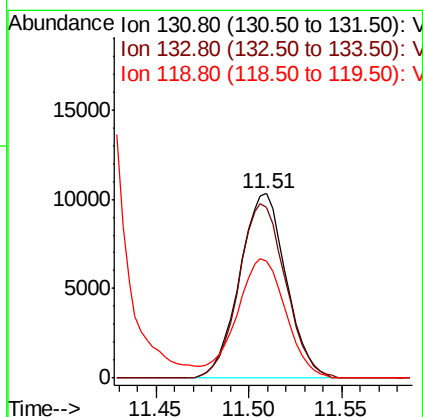
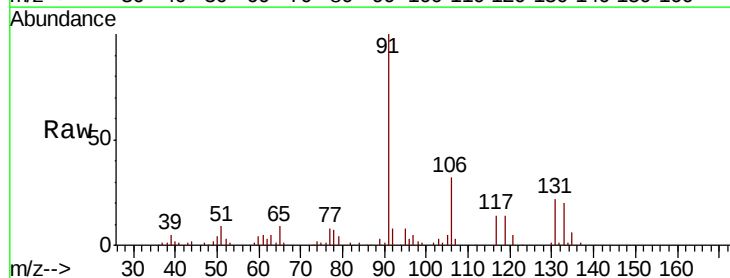
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

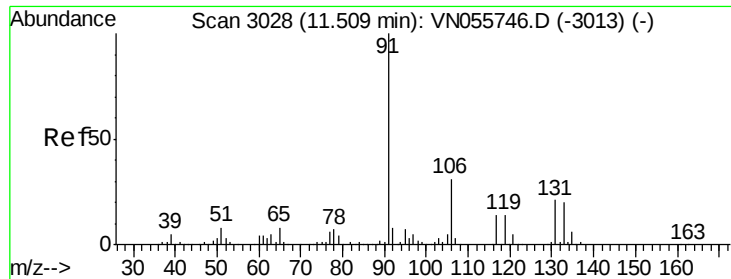
Tot Ion:112 Resp: 45674
Ion Ratio Lower Upper
112 100
114 31.3 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 4.971 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion:131 Resp: 17969
Ion Ratio Lower Upper
131 100
133 95.1 48.0 144.0
119 68.0 33.1 99.5

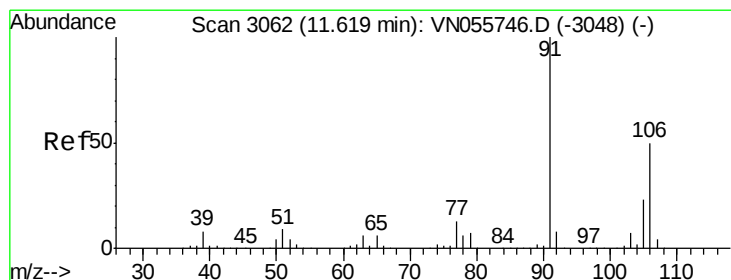
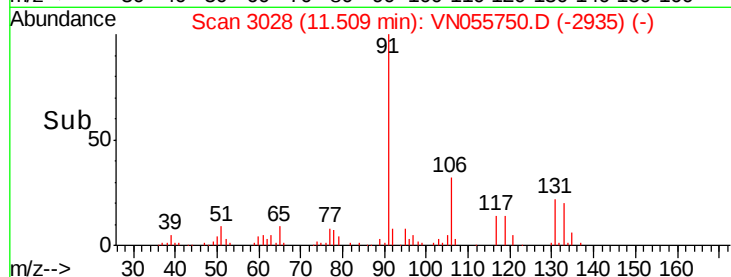
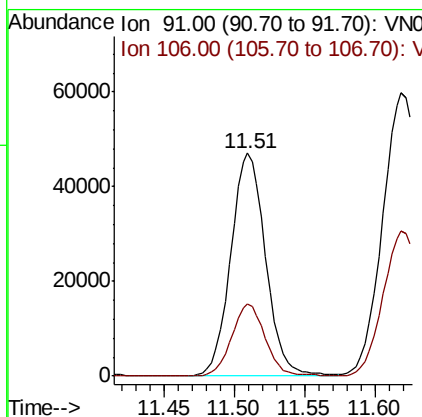
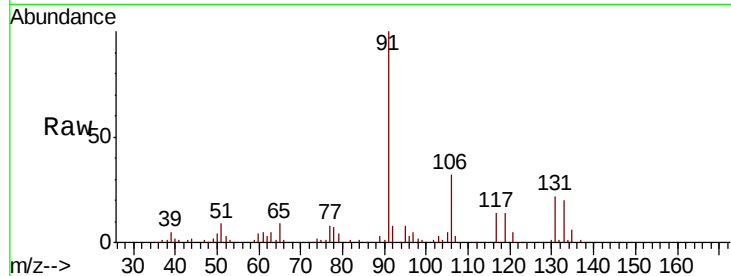




#67
Ethyl Benzene
Concen: 5.068 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

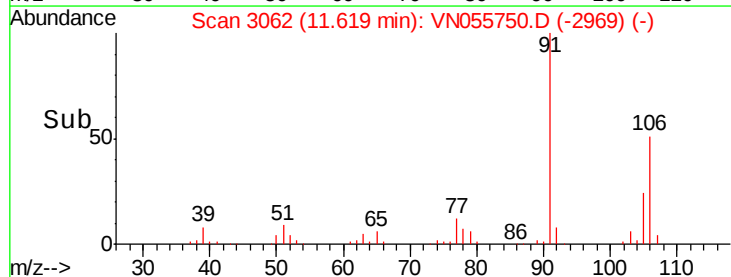
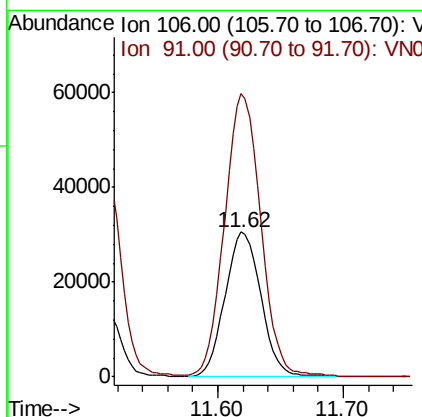
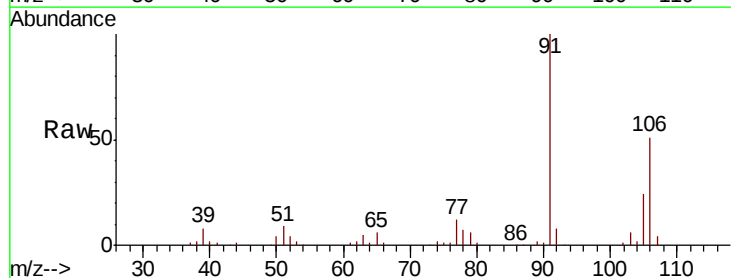
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

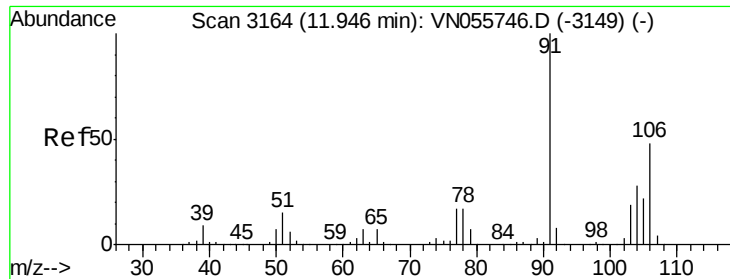
Tot Ion: 91 Resp: 81427
Ion Ratio Lower Upper
91 100
106 32.3 25.1 37.7



#68
m/p-Xylenes
Concen: 10.028 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion: 106 Resp: 60847
Ion Ratio Lower Upper
106 100
91 197.3 159.3 238.9

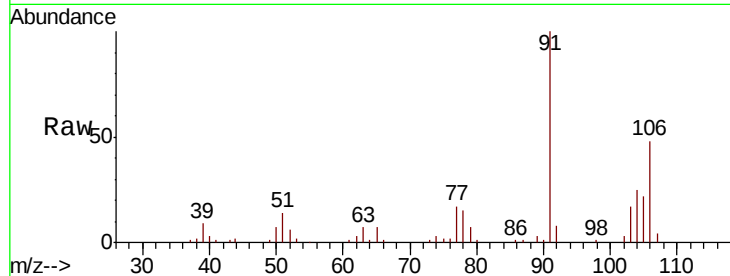




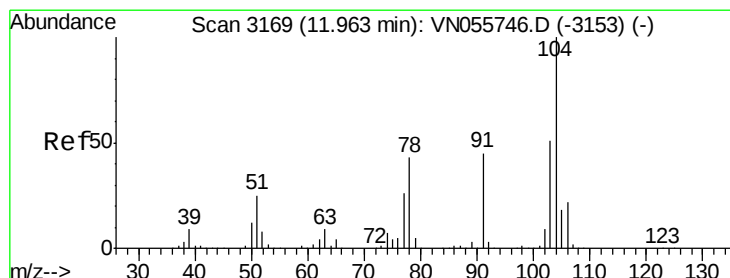
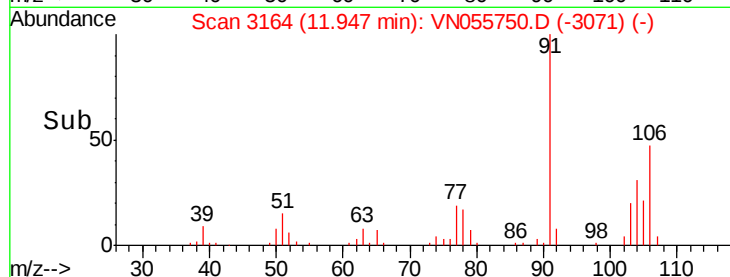
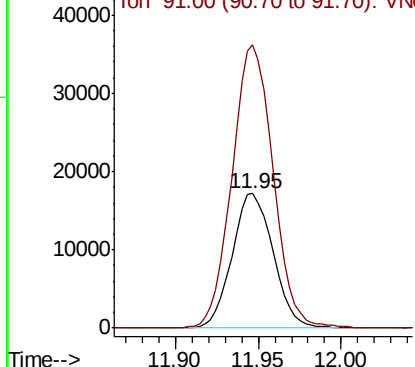
#69
o-Xylene
Concen: 4.973 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 29605
Ion Ratio Lower Upper
106 100
91 211.3 104.7 314.1

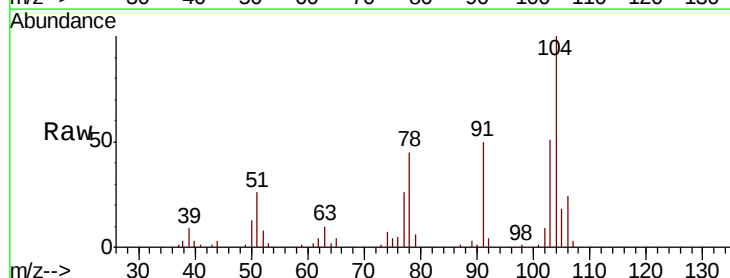


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

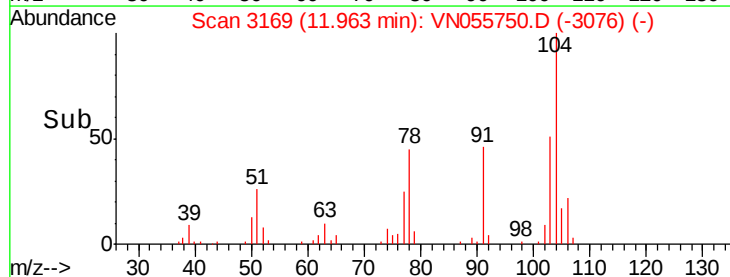
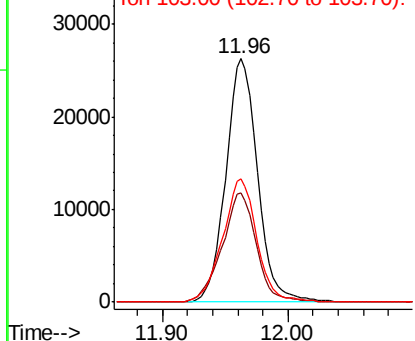


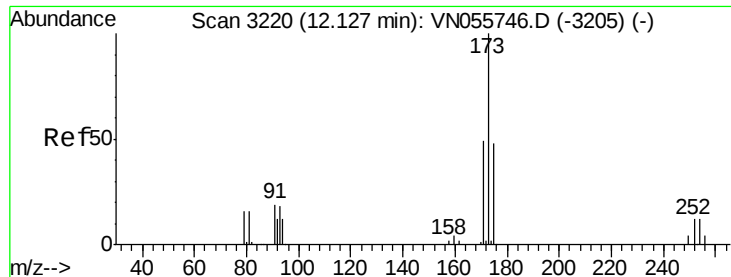
#70
Styrene
Concen: 4.658 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion:104 Resp: 45980
Ion Ratio Lower Upper
104 100
78 48.4 37.8 56.6
103 54.5 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 4.768 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

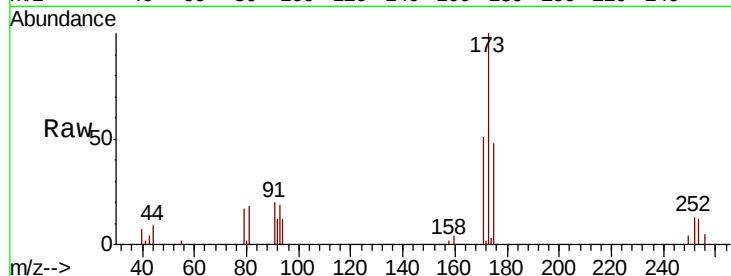
Tot Ion:173 Resp: 14642

Ion Ratio Lower Upper

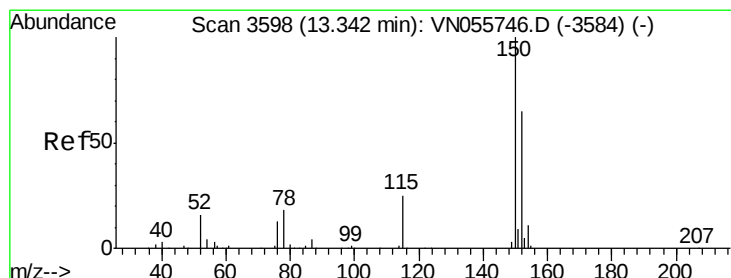
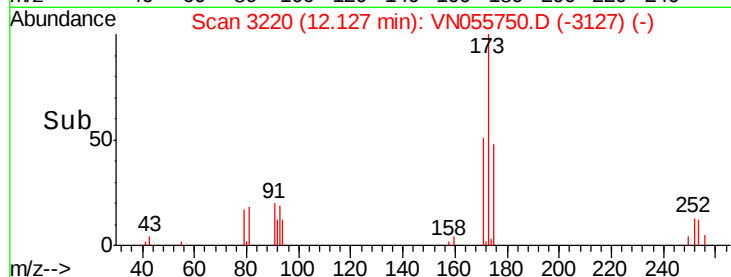
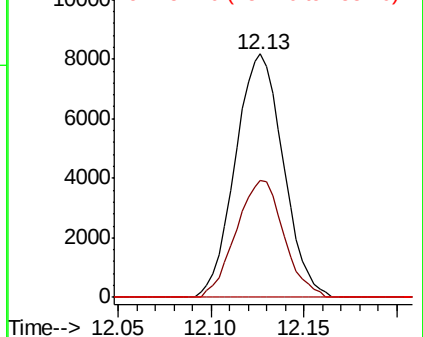
173 100

175 47.7 24.3 72.8

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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

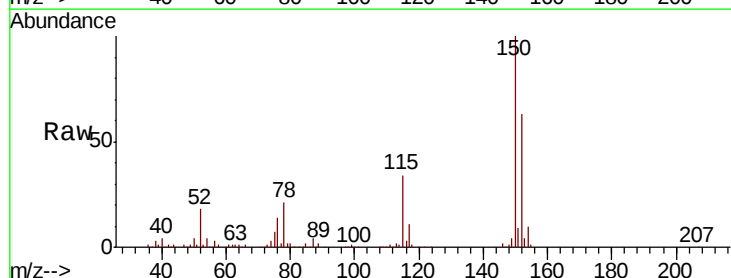
Tgt Ion:152 Resp: 166814

Ion Ratio Lower Upper

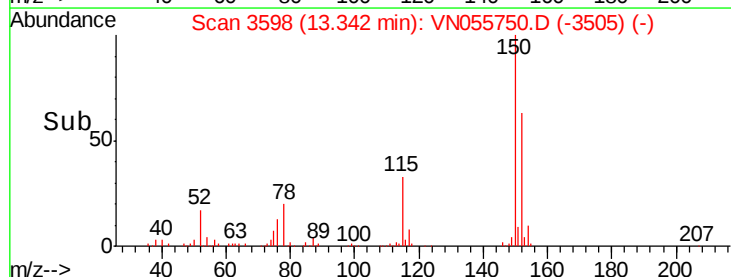
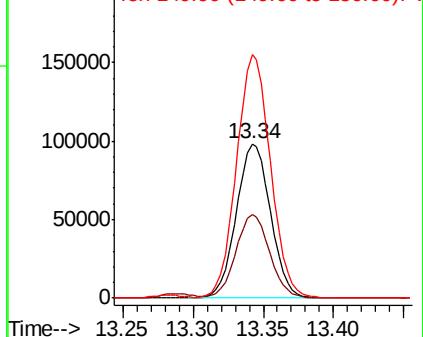
152 100

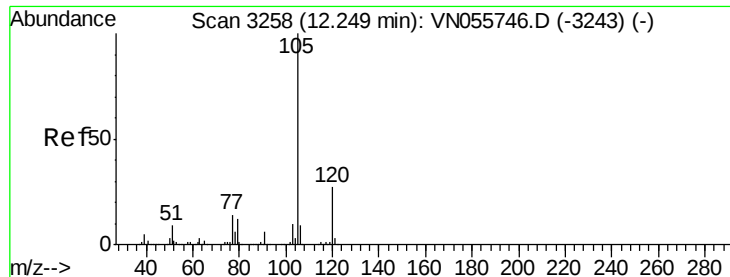
115 53.5 27.0 81.0

150 157.6 0.0 343.2



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: 5.973 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

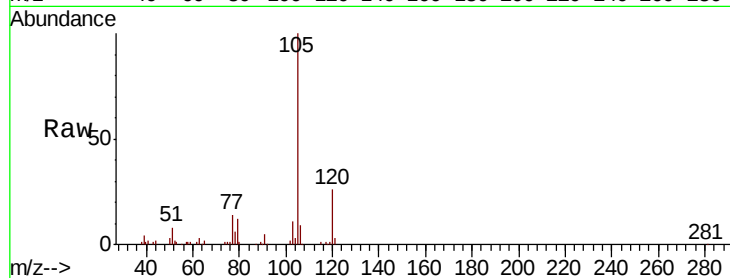
VSTDIC005

Tot Ion: 105 Resp: 81416

Ion Ratio Lower Upper

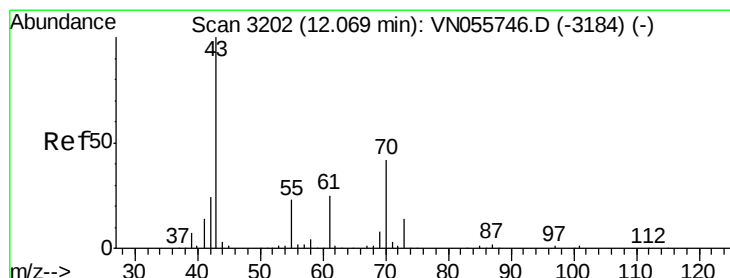
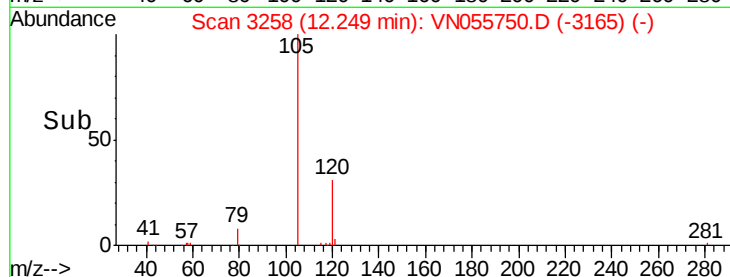
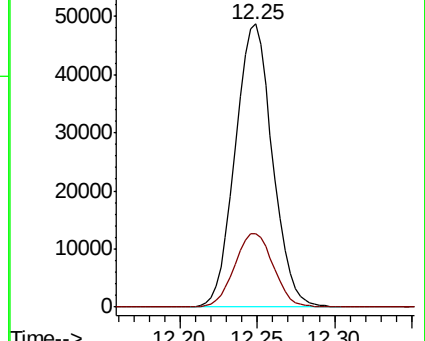
105 100

120 27.1 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 6.009 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Tgt Ion: 43 Resp: 28192

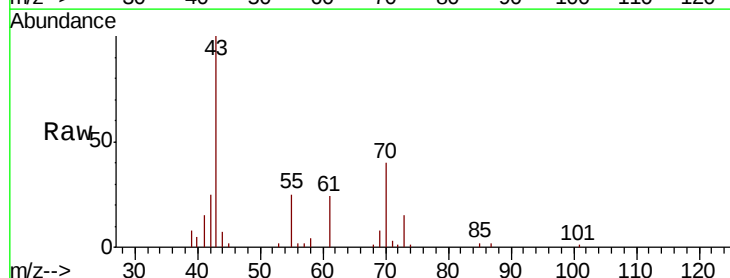
Ion Ratio Lower Upper

43 100

70 40.2 34.0 51.0

55 25.1 18.6 28.0

61 23.0 20.0 30.0

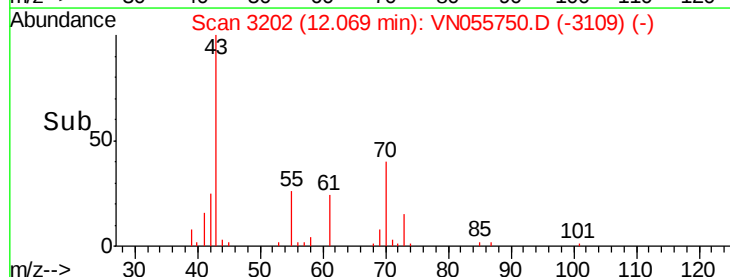
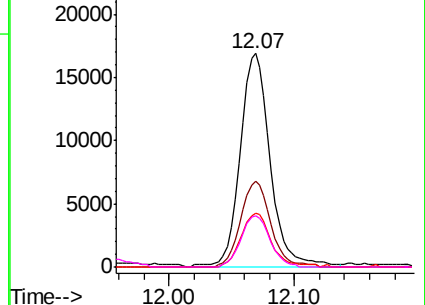


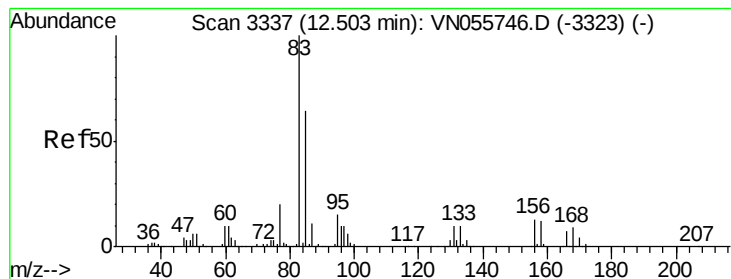
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 5.675 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

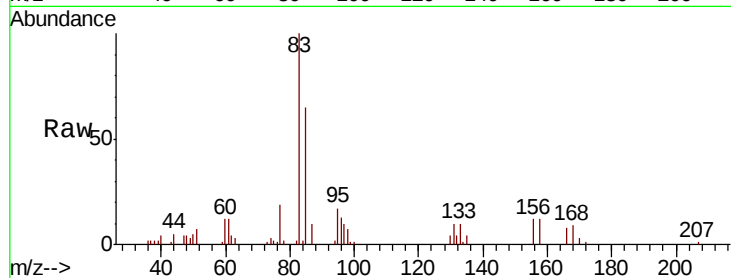
Tot Ion: 83 Resp: 23818

Ion Ratio Lower Upper

83 100

131 10.6 5.4 16.2

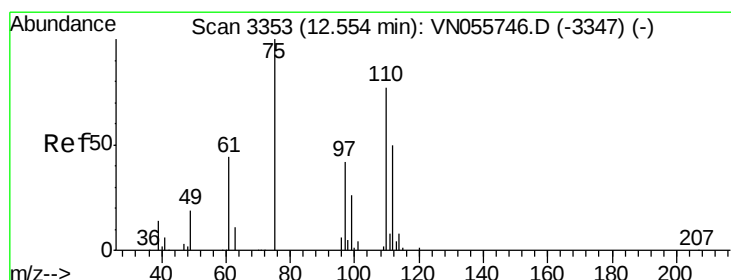
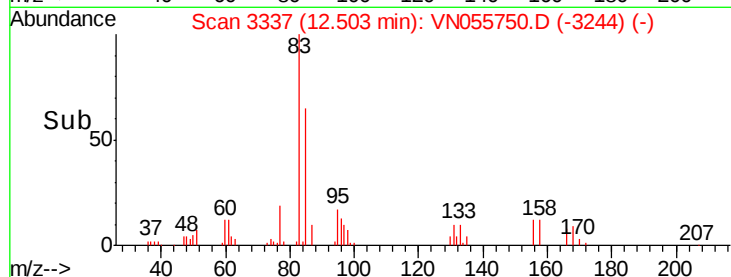
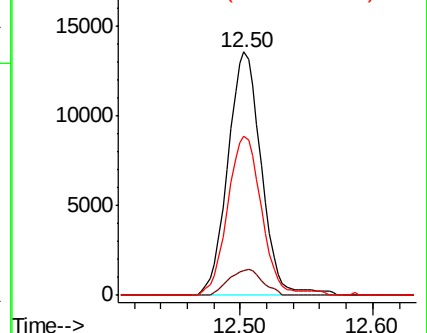
85 65.9 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN055746.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055746.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055746.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 8.161 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055750.D

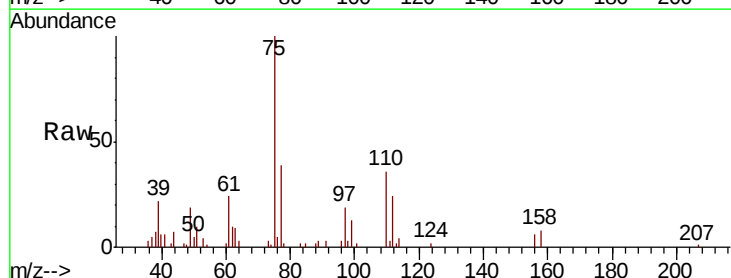
Acq: 23 May 2019 13:12

Tgt Ion: 75 Resp: 28056

Ion Ratio Lower Upper

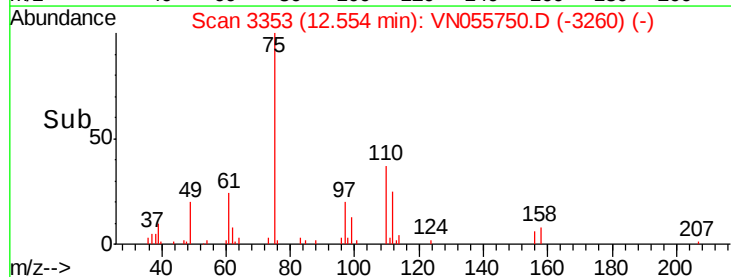
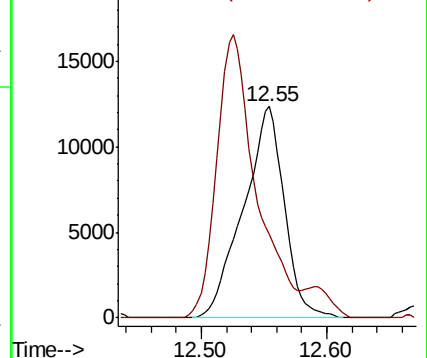
75 100

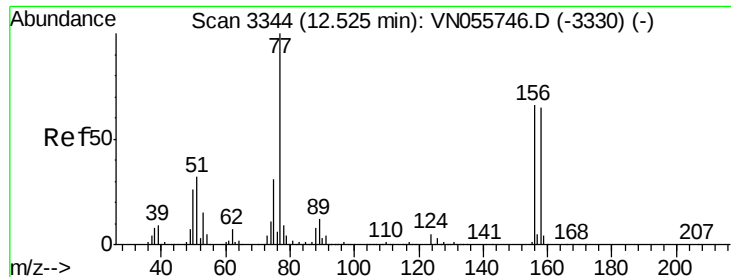
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055746.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN055746.D (-3347) (-)





#77

Bromobenzene

Concen: 5.853 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

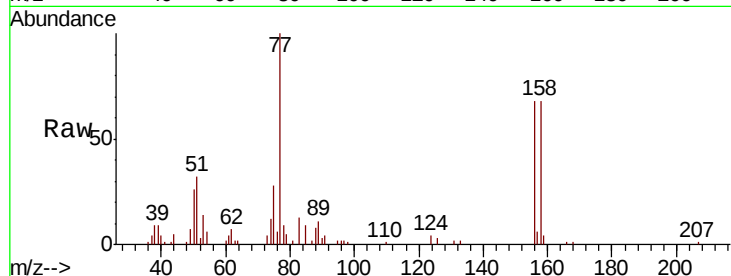
Tot Ion:156 Resp: 20187

Ion Ratio Lower Upper

156 100

77 178.8 90.8 272.5

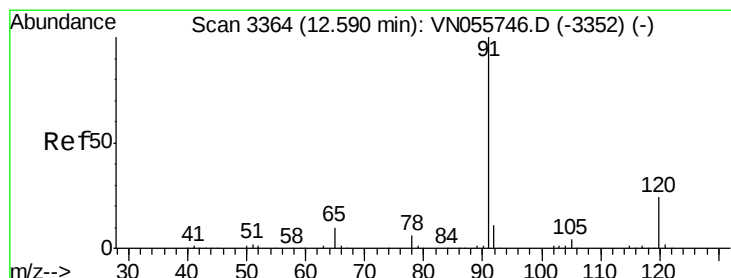
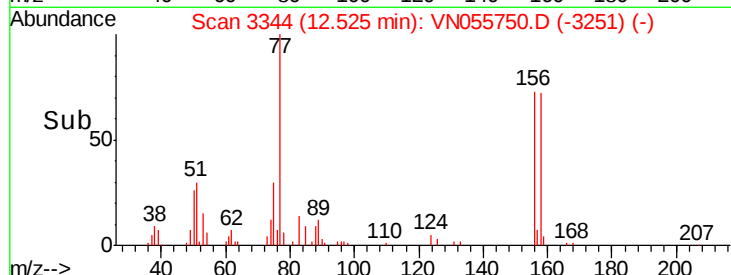
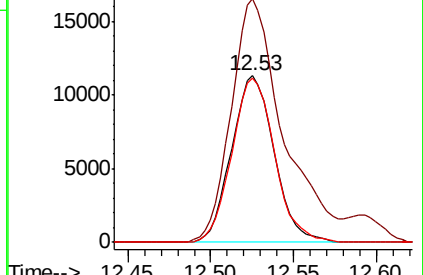
158 99.2 49.3 147.8



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: 5.551 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055750.D

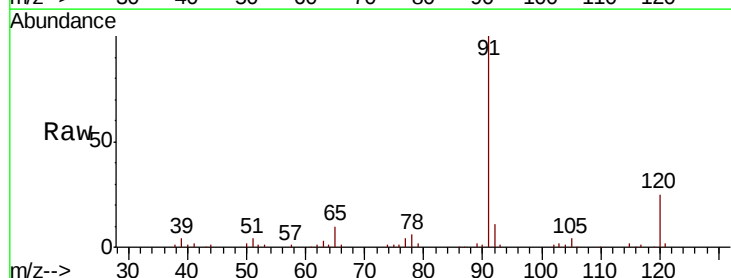
Acq: 23 May 2019 13:12

Tgt Ion: 91 Resp: 82013

Ion Ratio Lower Upper

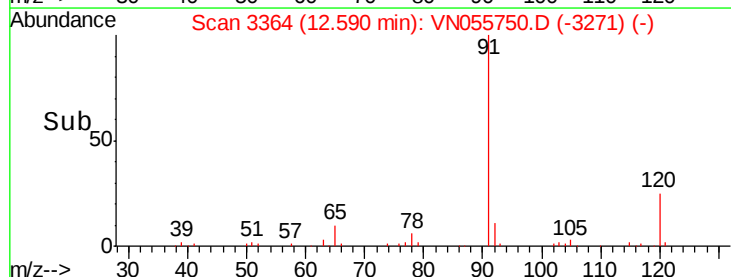
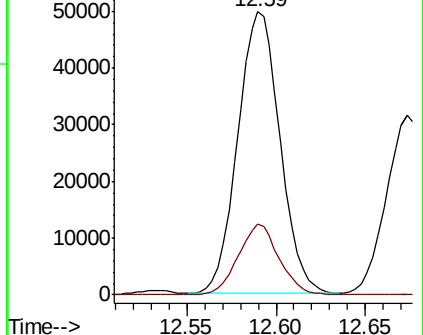
91 100

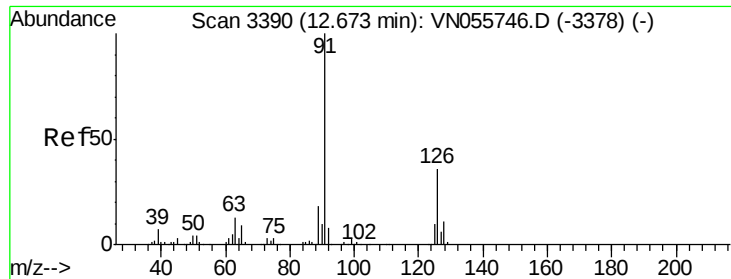
120 24.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.826 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

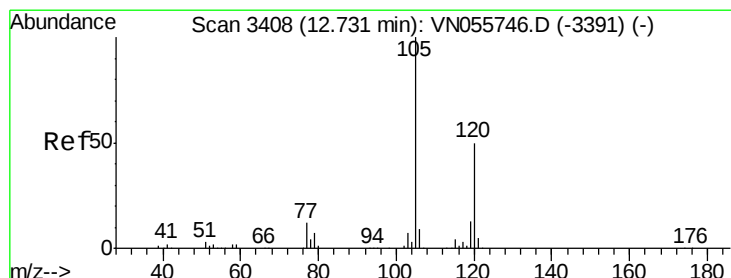
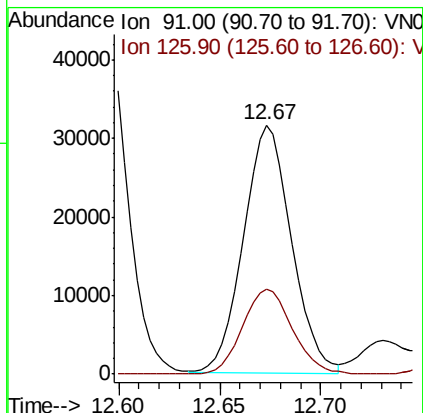
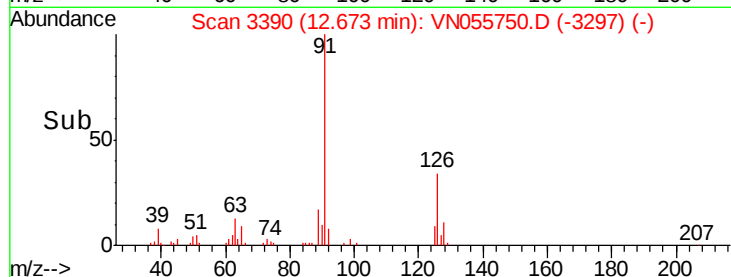
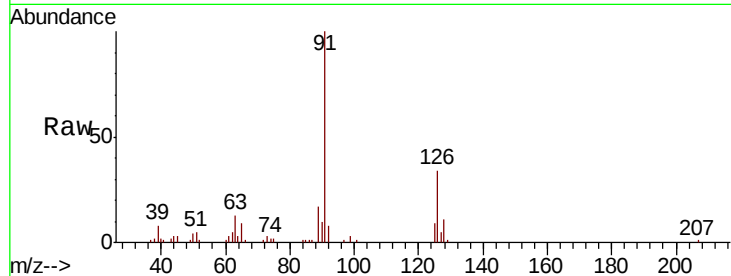
VSTDIC005

Tot Ion: 91 Resp: 52434

Ion Ratio Lower Upper

91 100

126 35.6 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 5.877 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055750.D

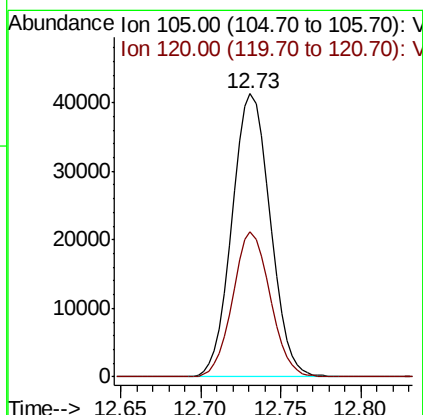
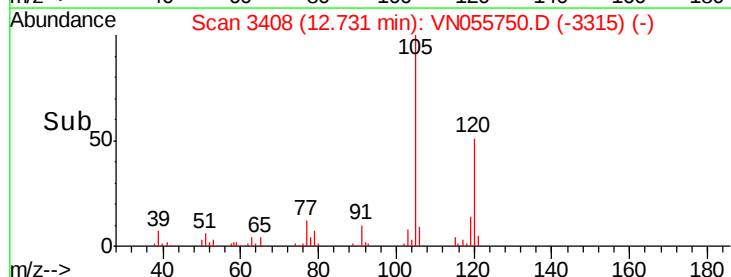
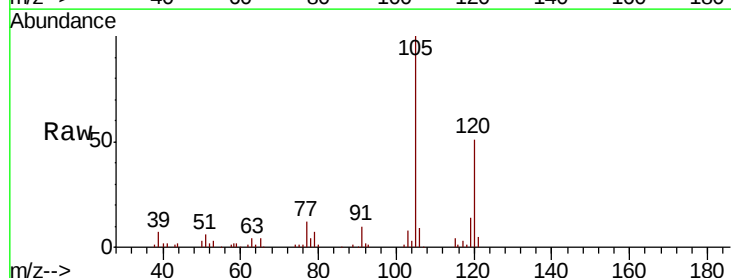
Acq: 23 May 2019 13:12

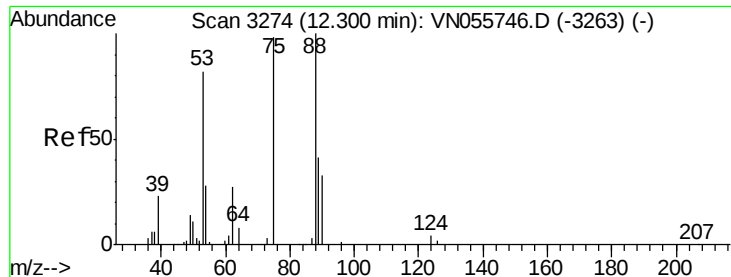
Tgt Ion: 105 Resp: 67277

Ion Ratio Lower Upper

105 100

120 50.1 24.7 74.1

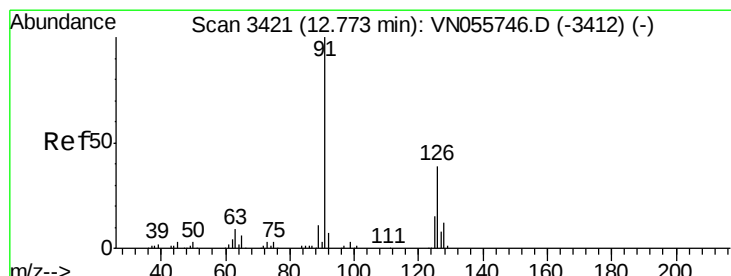
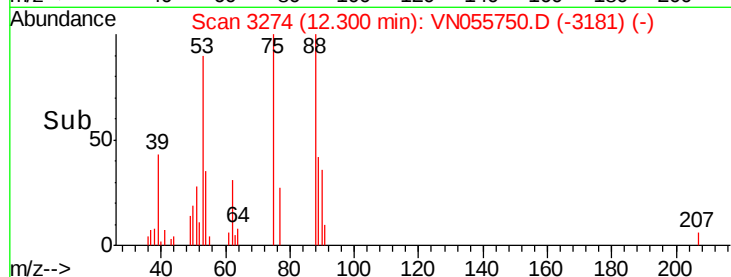
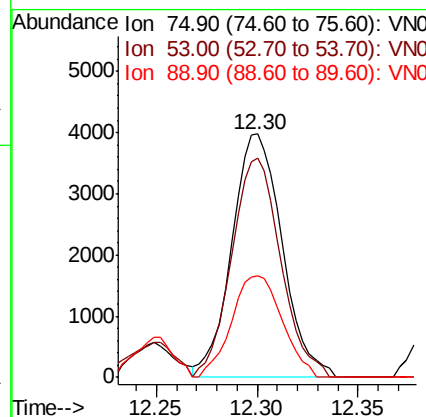
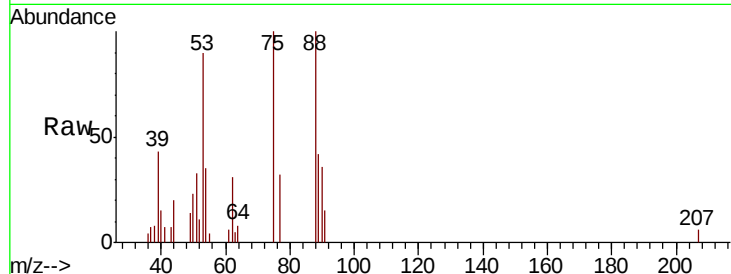




#81
trans-1,4-Dichloro-2-butene
Concen: 5.305 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

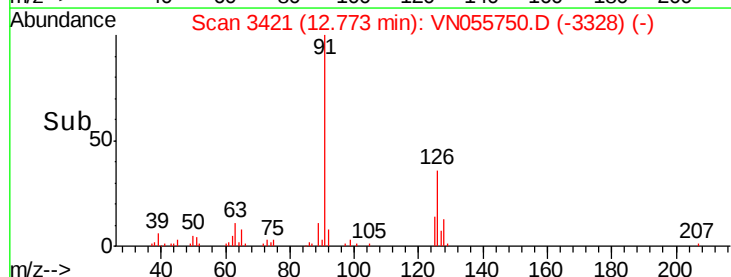
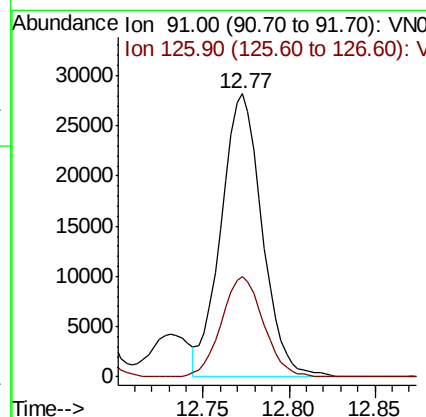
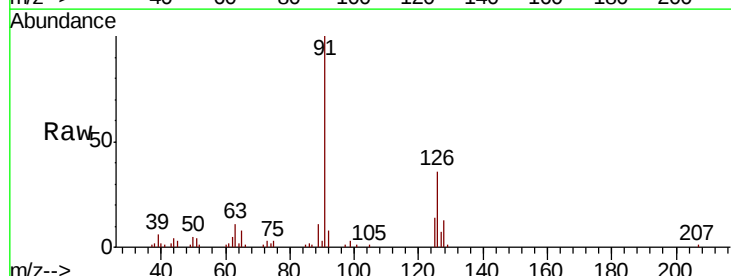
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

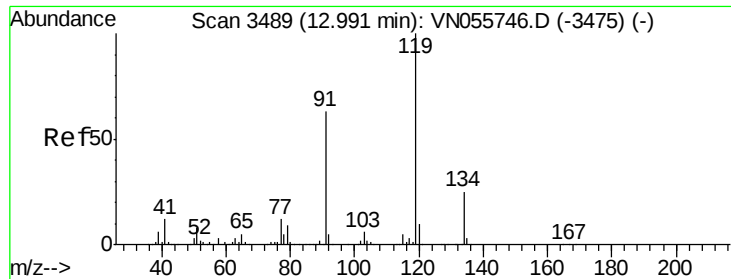
Tot Ion: 75 Resp: 6940
Ion Ratio Lower Upper
75 100
53 87.9 68.1 102.1
89 42.0 36.9 55.3



#82
4-Chlorotoluene
Concen: 5.389 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion: 91 Resp: 46940
Ion Ratio Lower Upper
91 100
126 36.2 17.8 53.3

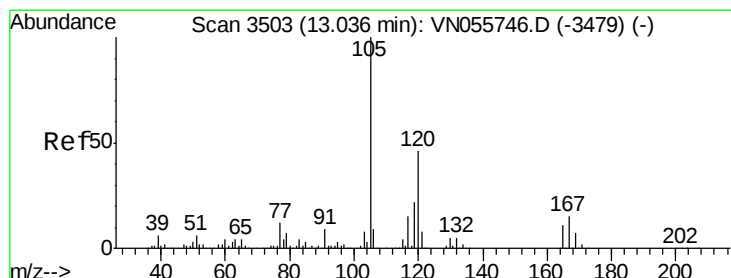
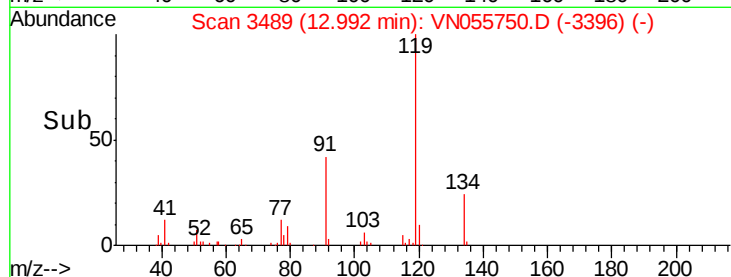
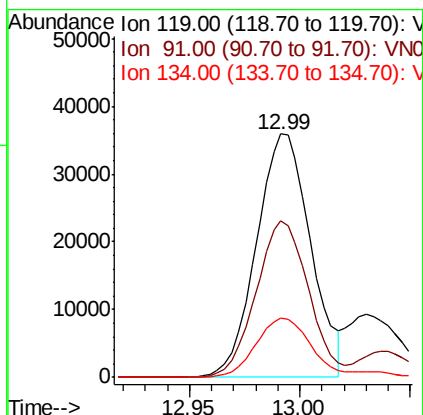
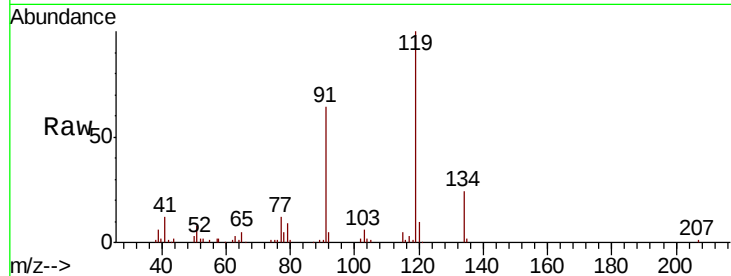




#83
 tert-Butylbenzene
 Concen: 6.083 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

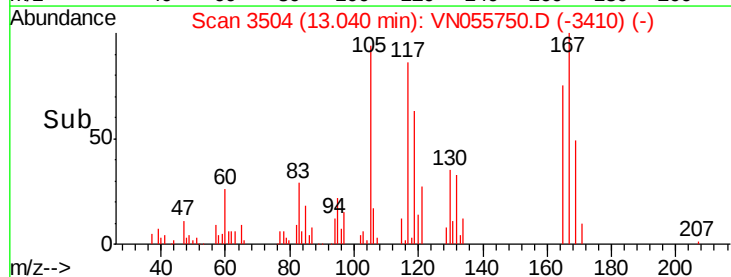
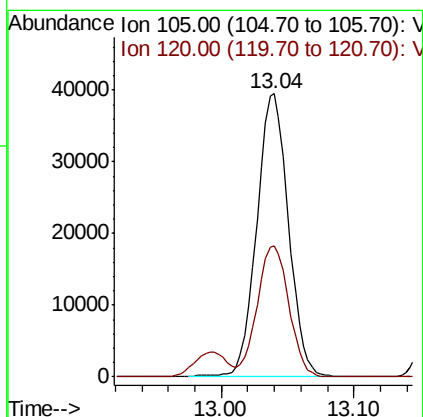
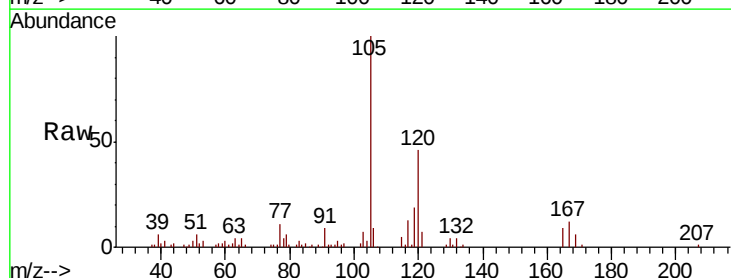
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

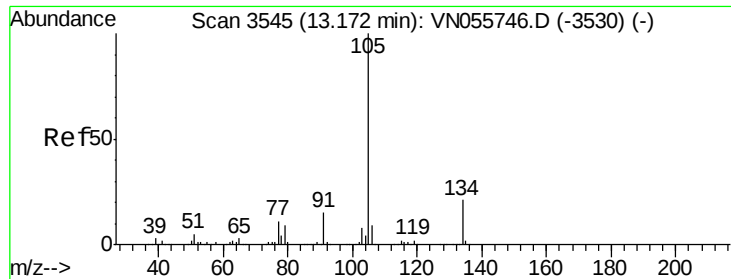
Tot Ion:119 Resp: 61105
 Ion Ratio Lower Upper
 119 100
 91 62.3 30.9 92.8
 134 24.7 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 5.816 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Tgt Ion:105 Resp: 65576
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.0 69.0





#85

sec-Butylbenzene

Concen: 5.777 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

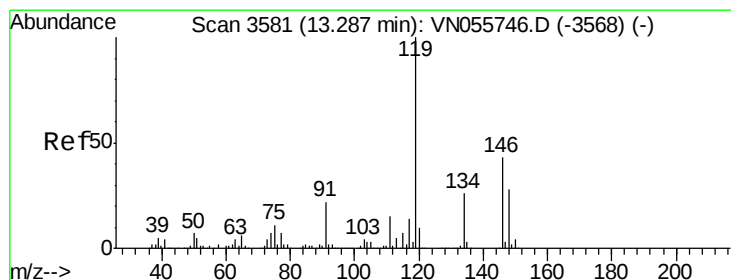
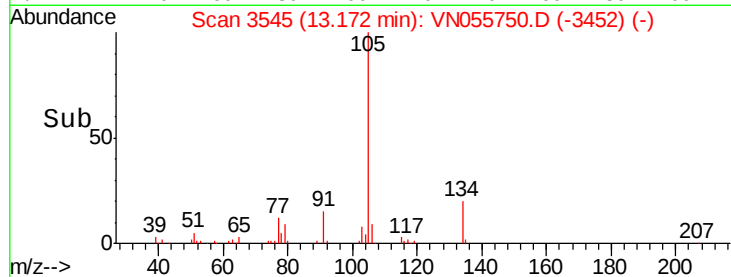
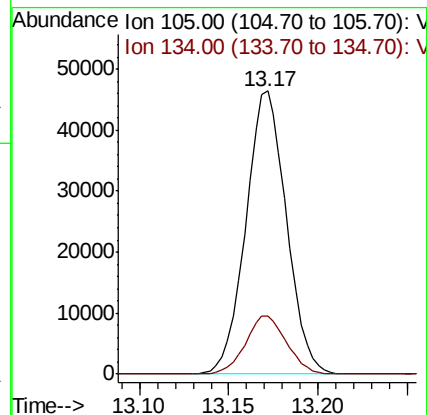
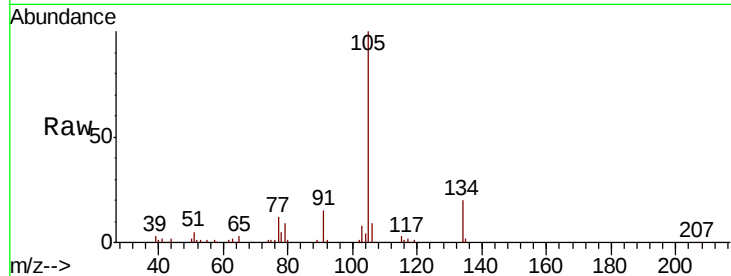
VSTDIC005

Tot Ion:105 Resp: 73687

Ion Ratio Lower Upper

105 100

134 20.6 10.4 31.2



#86

p-Isopropyltoluene

Concen: 5.502 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

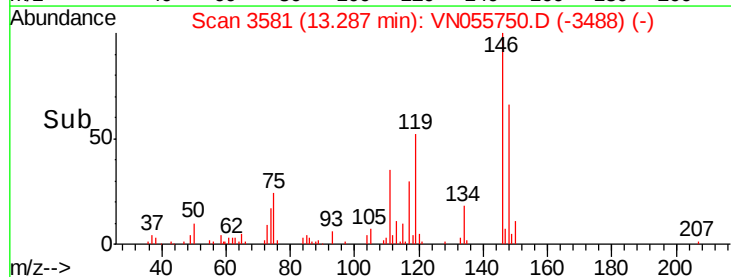
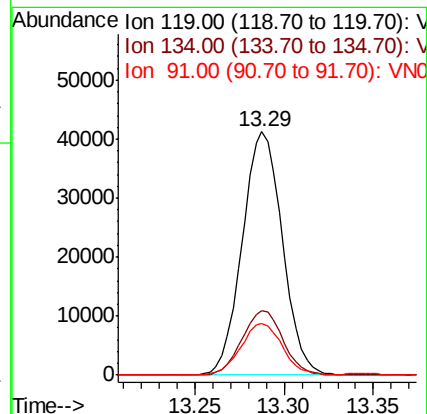
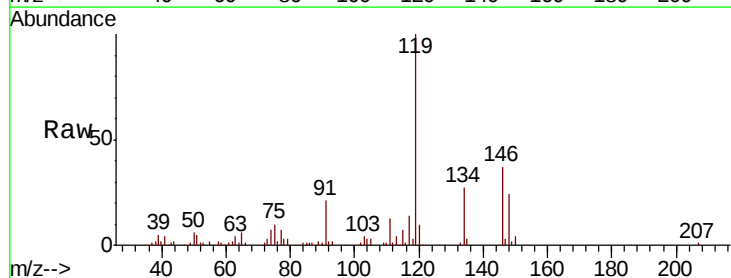
Tgt Ion:119 Resp: 64500

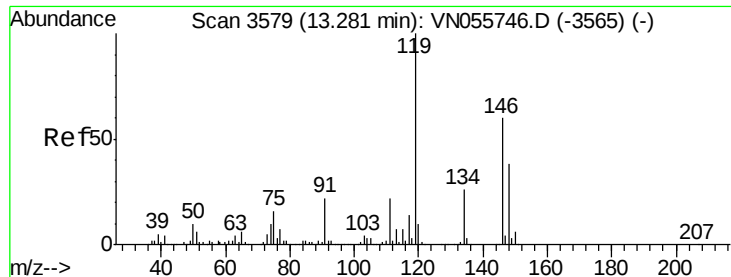
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 22.0 10.9 32.9

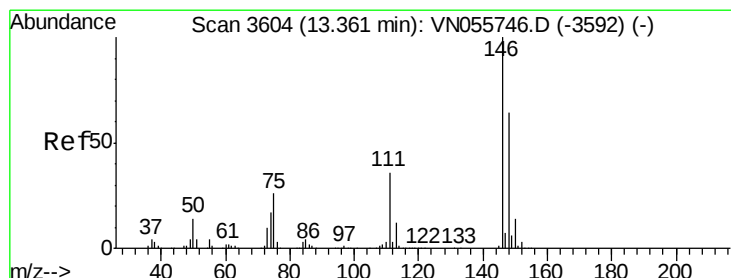
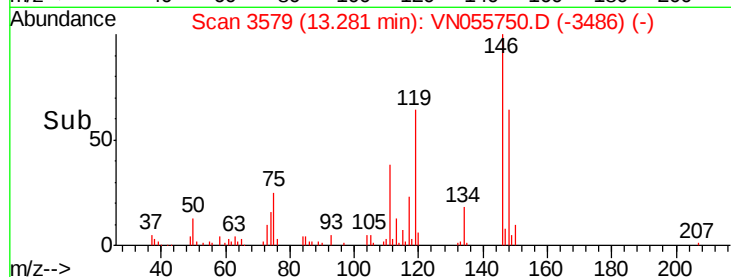
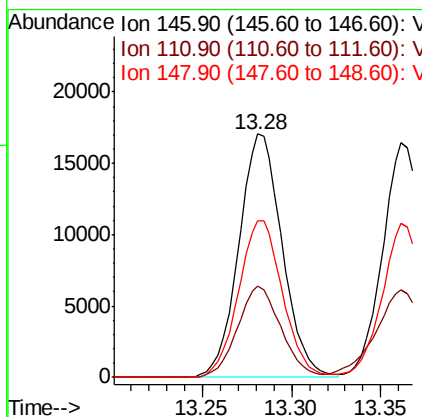
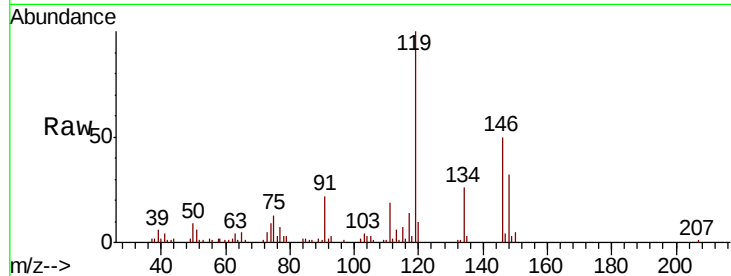




#87
 1,3-Dichlorobenzene
 Concen: 5.113 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

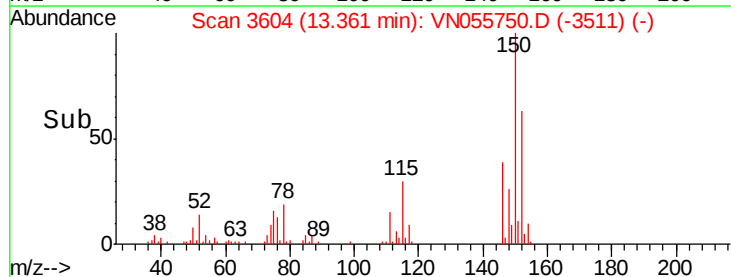
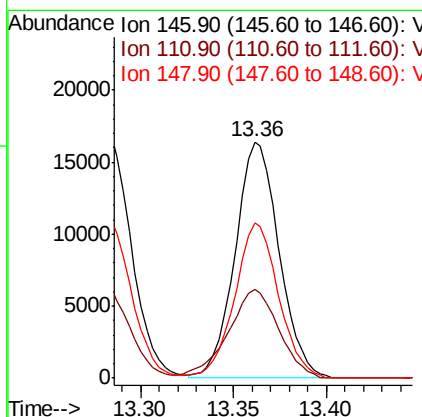
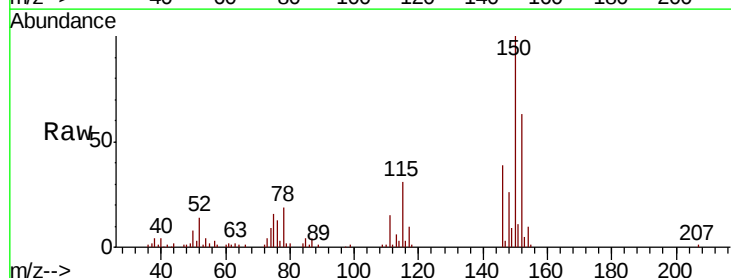
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

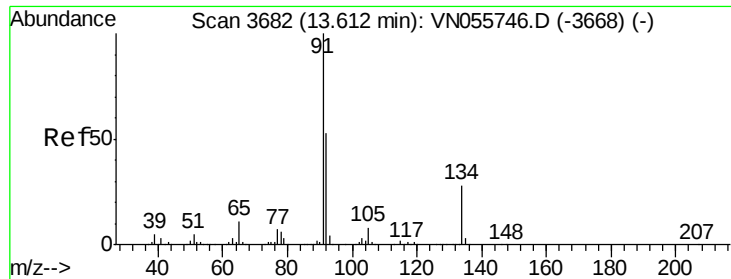
Tot Ion:146 Resp: 28970
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.5 55.5
 148 65.3 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 5.010 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Tgt Ion:146 Resp: 27001
 Ion Ratio Lower Upper
 146 100
 111 43.4 18.1 54.4
 148 65.9 32.1 96.5

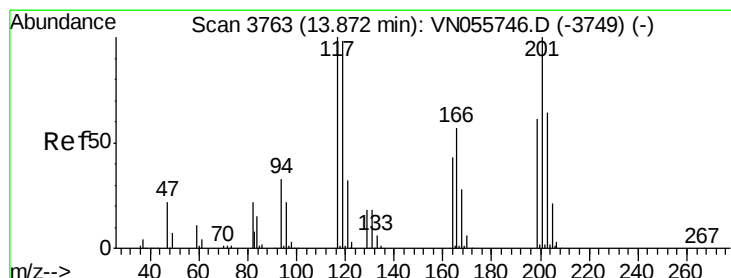
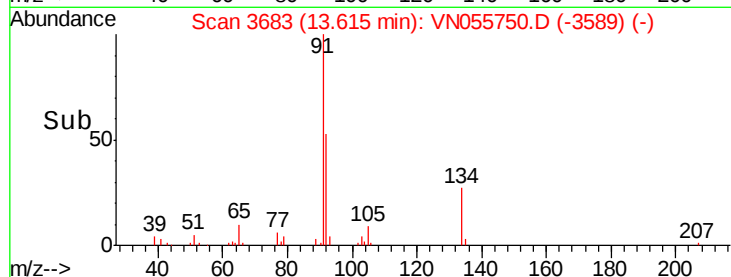
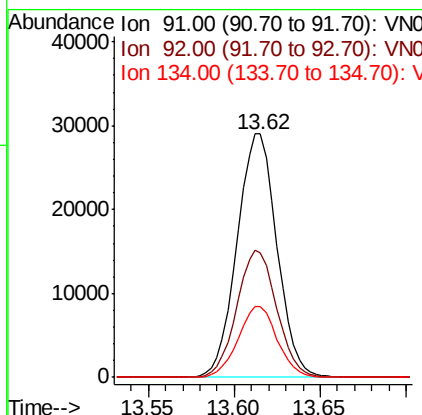
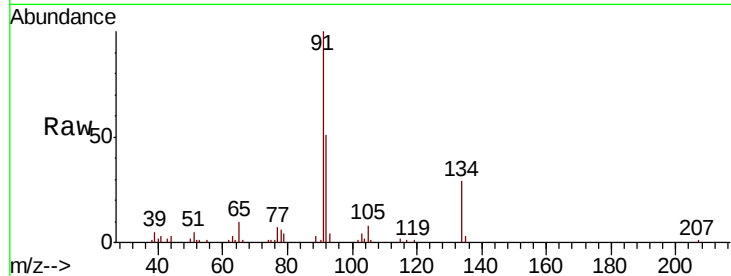




#89
n-Butylbenzene
Concen: 5.135 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

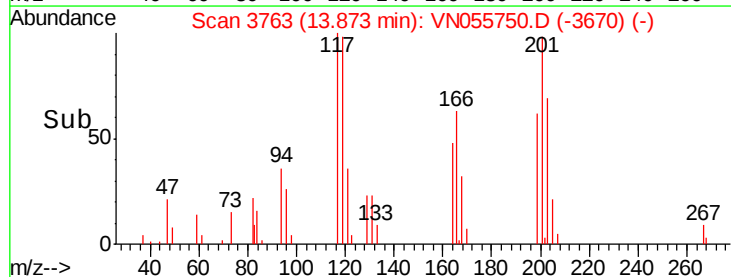
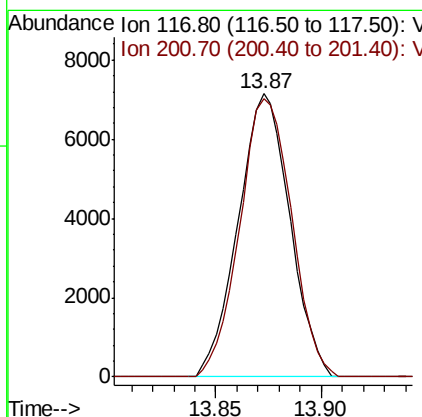
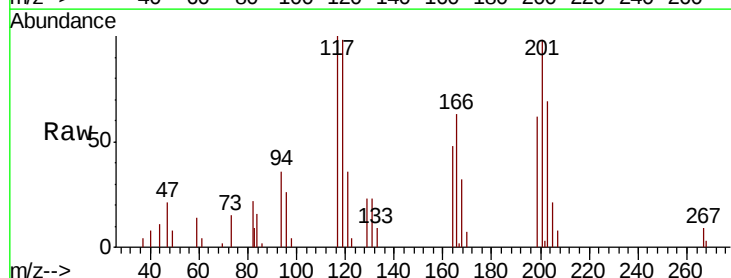
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

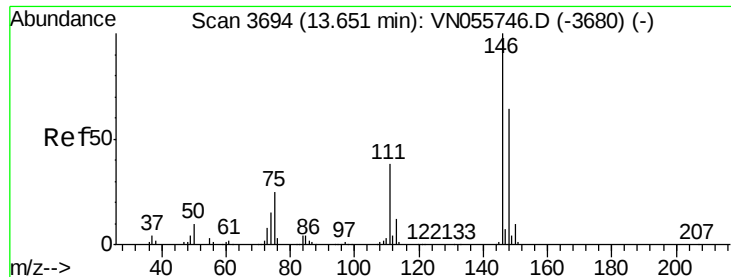
Tot Ion: 91 Resp: 46764
Ion Ratio Lower Upper
91 100
92 52.1 26.4 79.0
134 28.4 13.9 41.7



#90
Hexachloroethane
Concen: 5.441 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055750.D
Acq: 23 May 2019 13:12

Tgt Ion: 117 Resp: 12177
Ion Ratio Lower Upper
117 100
201 99.0 50.0 150.0





#91

1,2-Dichlorobenzene

Concen: 5.289 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

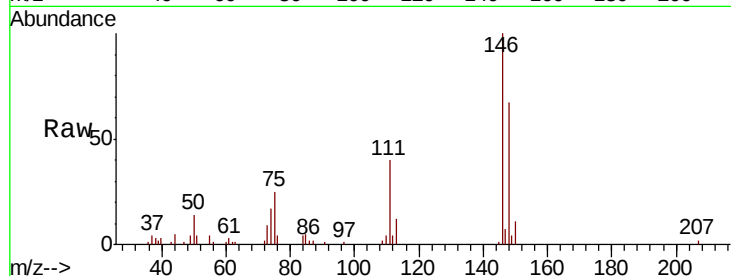
Tot Ion:146 Resp: 29867

Ion Ratio Lower Upper

146 100

111 38.5 19.1 57.5

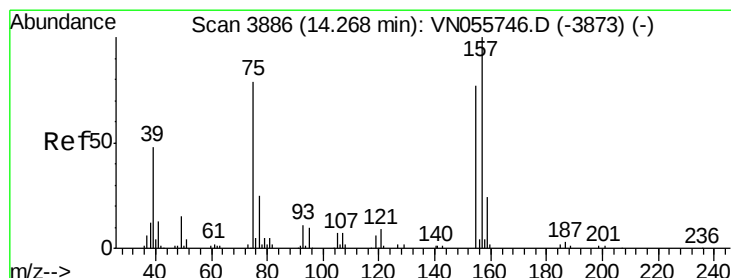
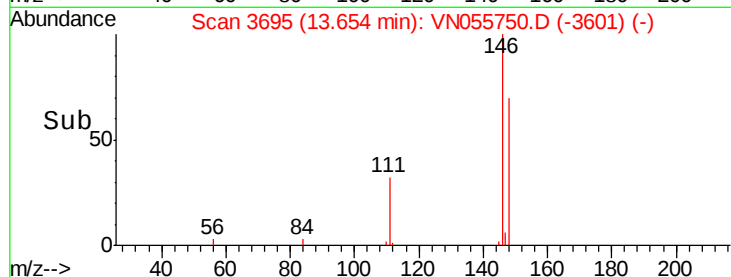
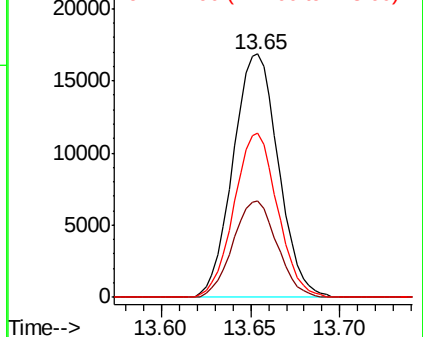
148 64.8 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.128 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

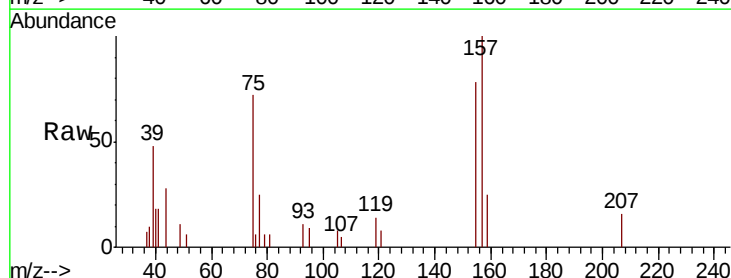
Tgt Ion: 75 Resp: 3829

Ion Ratio Lower Upper

75 100

155 101.9 50.0 150.1

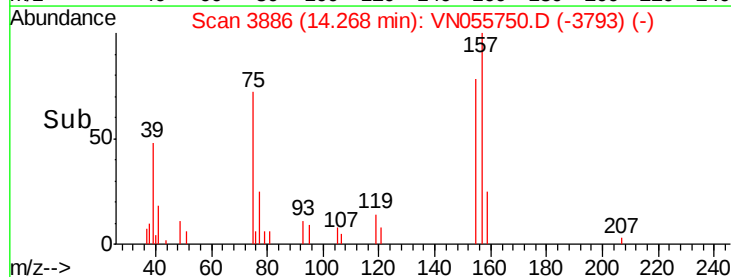
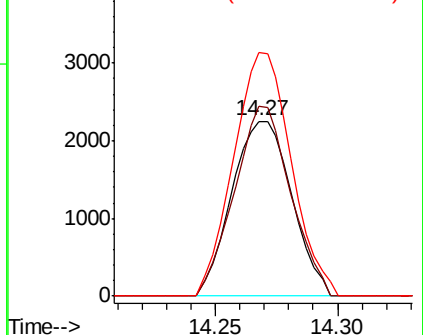
157 134.3 64.8 194.3

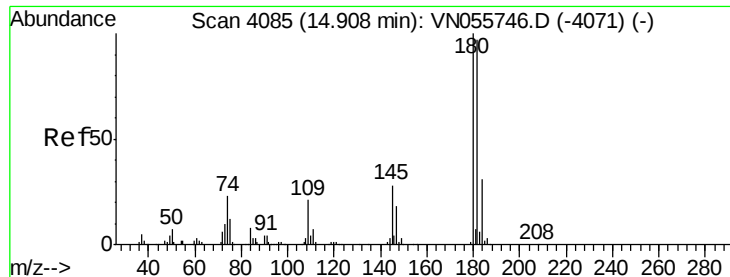


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

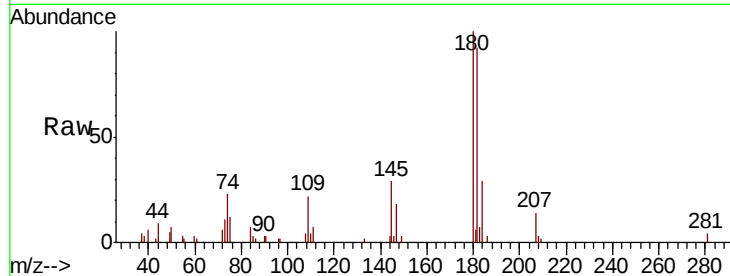




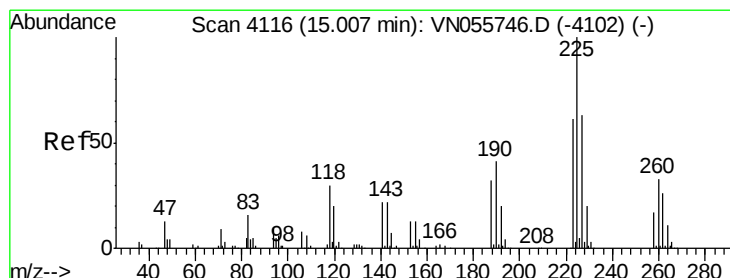
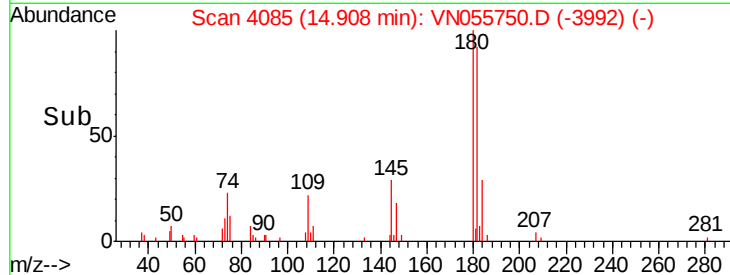
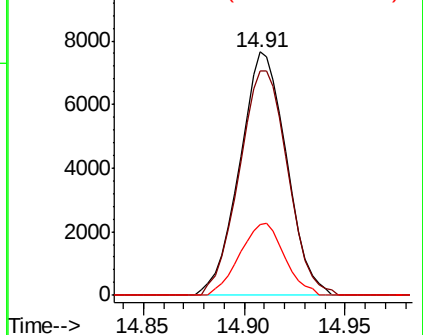
#93
 1,2,4-Trichlorobenzene
 Concen: 4.390 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 12436
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.3 144.9
 145 28.4 14.0 41.9

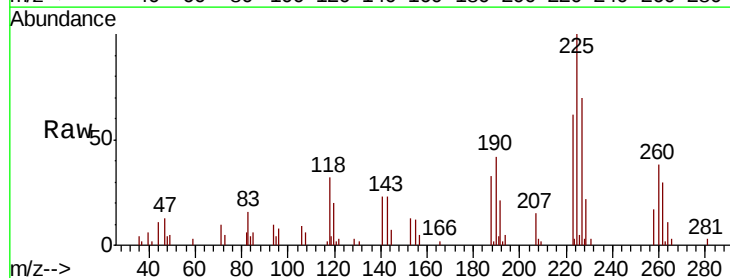


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

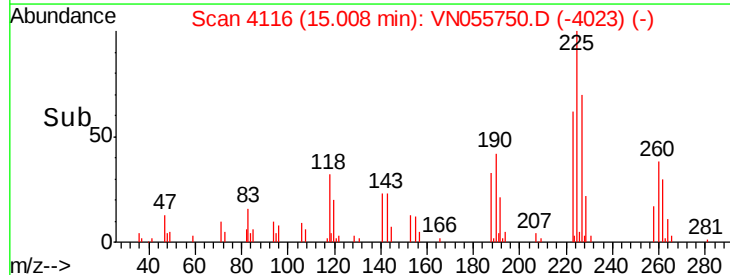
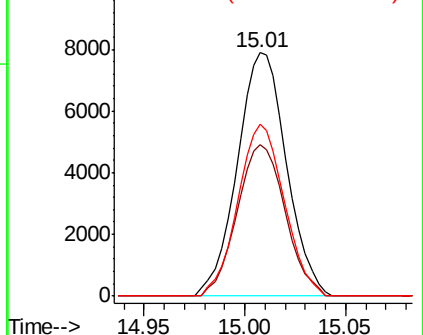


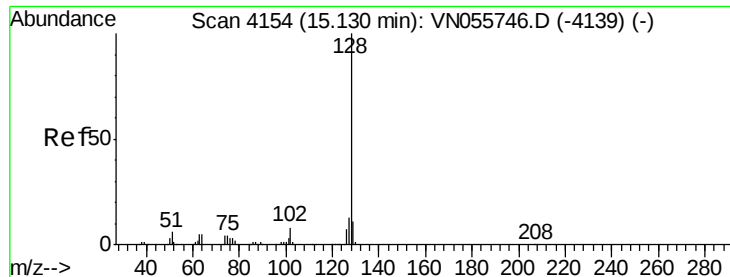
#94
 Hexachlorobutadiene
 Concen: 6.687 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055750.D
 Acq: 23 May 2019 13:12

Tgt Ion:225 Resp: 13437
 Ion Ratio Lower Upper
 225 100
 223 60.9 30.9 92.7
 227 66.6 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: 4.342 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

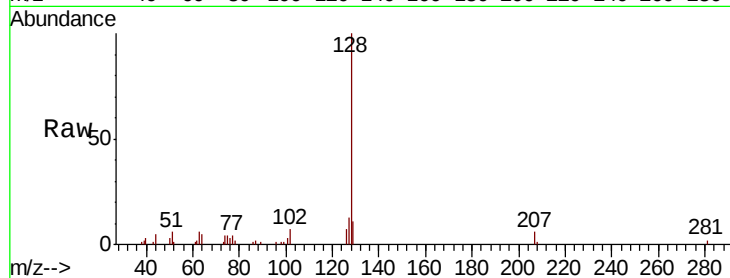
Tot Ion:128 Resp: 33281

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

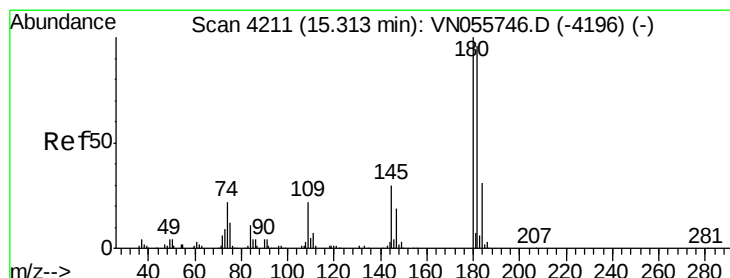
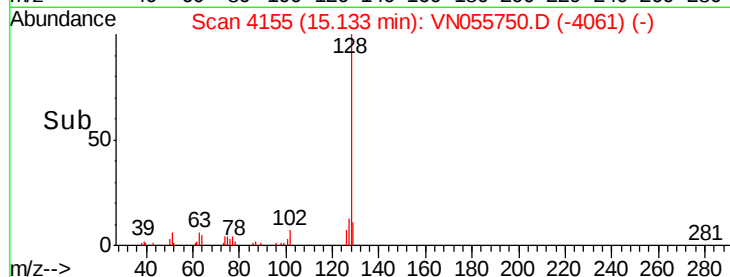
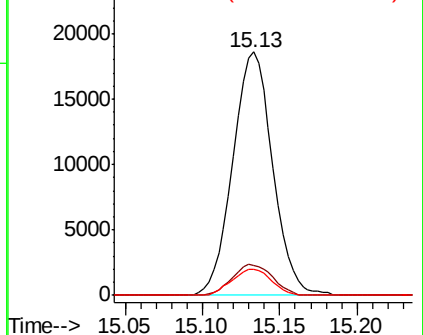
129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.769 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055750.D

Acq: 23 May 2019 13:12

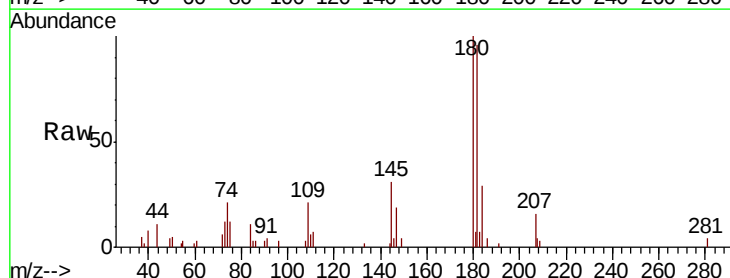
Tgt Ion:180 Resp: 14250

Ion Ratio Lower Upper

180 100

182 96.4 47.9 143.7

145 30.0 14.9 44.7



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

