

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
 Data File : VN054759.D
 Acq On : 29 Mar 2019 10:00
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 3:59:52 PM

Quant Time: Mar 30 00:18:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:26:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	466570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	776003	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	619166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	205265	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	5315	1.126	ug/l	97
3) Chloromethane	2.06	50	7123	1.092	ug/l	94
4) Vinyl Chloride	2.19	62	6606	1.127	ug/l	93
5) Bromomethane	2.58	94	4307	1.217	ug/l #	79
6) Chloroethane	2.72	64	3994	1.221	ug/l	98
7) Trichlorofluoromethane	3.02	101	8004	1.111	ug/l #	83
8) Diethyl Ether	3.41	74	2601	1.121	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	3.76	101	4376m	1.229	ug/l	
12) 1,1-Dichloroethene	3.73	96	3924	1.070	ug/l #	82
14) Allyl chloride	4.32	41	10370m	1.159	ug/l	
15) Acrylonitrile	5.00	53	9140	5.018	ug/l #	83
16) Acetone	3.82	43	8227	5.485	ug/l #	86
17) Carbon Disulfide	4.04	76	12398	1.042	ug/l #	88
18) Methyl Acetate	4.33	43	5745	1.326	ug/l #	85
19) Methyl tert-butyl Ether	5.06	73	13309	1.037	ug/l	92
20) Methylene Chloride	4.54	84	6187	1.169	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	5133	1.066	ug/l	97
22) Diisopropyl ether	5.97	45	17771	0.995	ug/l #	88
23) Vinyl Acetate	5.90	43	54631m	4.500	ug/l	
24) 1,1-Dichloroethane	5.85	63	9857	1.034	ug/l #	92
25) 2-Butanone	6.85	43	9234	4.165	ug/l #	85
26) 2,2-Dichloropropane	6.81	77	6699m	1.003	ug/l	
27) cis-1,2-Dichloroethene	6.83	96	5798	1.065	ug/l	44
28) Bromochloromethane	7.20	49	4965	1.042	ug/l #	35
29) Tetrahydrofuran	7.23	42	8067m	5.232	ug/l	
30) Chloroform	7.38	83	9393	1.034	ug/l #	83
31) Cyclohexane	7.66	56	19330	1.762	ug/l #	65
32) 1,1,1-Trichloroethane	7.57	97	7648	1.015	ug/l #	41
36) 1,1-Dichloropropene	7.79	75	7769m	1.097	ug/l	
37) Ethyl Acetate	6.95	43	5693m	1.094	ug/l	
38) Carbon Tetrachloride	7.77	117	8472	1.206	ug/l	96
39) Methylcyclohexane	9.08	83	7835	0.986	ug/l #	86
40) Benzene	8.04	78	20809	1.006	ug/l	99
41) Methacrylonitrile	7.19	41	2904	0.975	ug/l #	35

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
 Data File : VN054759.D
 Acq On : 29 Mar 2019 10:00
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 3:59:52 PM

Quant Time: Mar 30 00:18:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:26:34 2019
 Response via : Initial Calibration

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

42) 1,2-Dichloroethane	8.12	62	7575	1.025	ug/l	99
43) Isopropyl Acetate	8.17	43	6668	0.774	ug/l #	79
44) Trichloroethene	8.83	130	5294	0.986	ug/l	78
45) 1,2-Dichloropropane	9.12	63	6056	1.027	ug/l	93
46) Dibromomethane	9.21	93	3426	1.032	ug/l	85
47) Bromodichloromethane	9.40	83	6412	0.930	ug/l	98
48) Methyl methacrylate	9.20	41	5002	1.071	ug/l #	73
49) 1,4-Dioxane	9.21	88	715	15.429	ug/l #	45
51) 4-Methyl-2-Pentanone	9.99	43	21048	4.345	ug/l	90
52) Toluene	10.15	92	12258	0.996	ug/l	95
53) t-1,3-Dichloropropene	10.38	75	5193	0.800	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	6068	0.783	ug/l #	74
55) 1,1,2-Trichloroethane	10.56	97	4783	1.045	ug/l	93
56) Ethyl methacrylate	10.43	69	5264	0.877	ug/l #	67
57) 1,3-Dichloropropane	10.71	76	7475	0.950	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	8592	3.731	ug/l	91
59) 2-Hexanone	10.76	43	13508	4.356	ug/l	90
60) Dibromochloromethane	10.90	129	3869	0.834	ug/l	90
61) 1,2-Dibromoethane	11.01	107	4094	0.936	ug/l	89
64) Tetrachloroethene	10.63	164	5086	1.070	ug/l #	90
65) Chlorobenzene	11.43	112	11999	0.990	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.51	131	4318	0.952	ug/l #	65
67) Ethyl Benzene	11.51	91	21262	0.972	ug/l	97
68) m/p-Xylenes	11.62	106	16073	1.985	ug/l	96
69) o-Xylene	11.95	106	7971	1.004	ug/l	97
70) Styrene	11.96	104	10980	0.865	ug/l	96
71) Bromoform	12.13	173	2096	0.788	ug/l #	97
73) Isopropylbenzene	12.25	105	19443	1.159	ug/l	99
74) N-amyl acetate	12.07	43	5539	1.060	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.50	83	5180	1.243	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	4060m	1.178	ug/l	
77) Bromobenzene	12.53	156	4731	1.168	ug/l	75
78) n-propylbenzene	12.59	91	20694	1.122	ug/l	93
79) 2-Chlorotoluene	12.67	91	13666	1.198	ug/l	92
80) 1,3,5-Trimethylbenzene	12.73	105	15993	1.162	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.31	75	911	0.994	ug/l #	47
82) 4-Chlorotoluene	12.77	91	11934	1.077	ug/l	100
83) tert-Butylbenzene	12.99	119	14608	1.213	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	12964	0.988	ug/l	95
85) sec-Butylbenzene	13.17	105	16441	1.099	ug/l	96
86) p-Isopropyltoluene	13.29	119	13845	1.050	ug/l	93
87) 1,3-Dichlorobenzene	13.28	146	7189	1.060	ug/l	86
88) 1,4-Dichlorobenzene	13.36	146	7381m	1.110	ug/l	
89) n-Butylbenzene	13.61	91	11031	1.025	ug/l	93
90) Hexachloroethane	13.87	117	2434	1.087	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	8314	1.215	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	543	0.947	ug/l	91
93) 1,2,4-Trichlorobenzene	14.91	180	3299	1.000	ug/l	95
94) Hexachlorobutadiene	15.00	225	2672	1.201	ug/l	86
95) Naphthalene	15.13	128	7296	0.986	ug/l #	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
Data File : VN054759.D
Acq On : 29 Mar 2019 10:00
Operator : JC/SP
Sample : VSTDICC001
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

MMDadoda
4/1/2019 3:59:52 PM

Quant Time: Mar 30 00:18:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 29 13:26:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	3527	1.059	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 466570

Ion Ratio Lower Upper

168 100

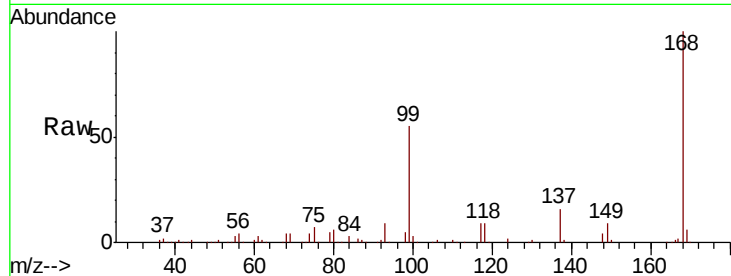
99 54.8 37.1 55.7

Manual Integrations

APPROVED

MMDadoda

4/1/2019 3:59:52 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

200000

150000

100000

50000

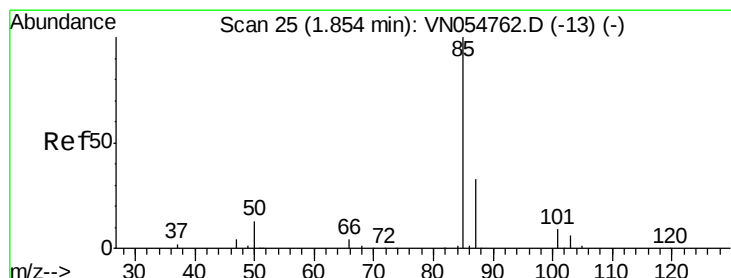
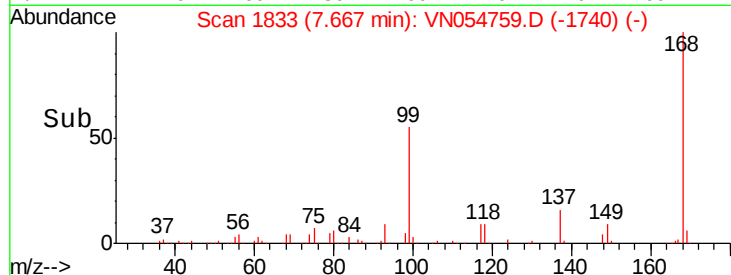
0

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 1.126 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054759.D

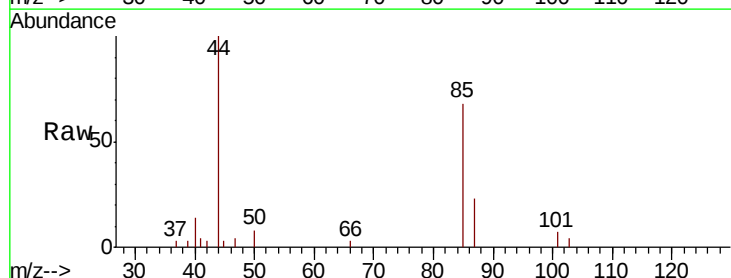
Acq: 29 Mar 2019 10:00

Tgt Ion: 85 Resp: 5315

Ion Ratio Lower Upper

85 100

87 33.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

4000

3000

2000

1000

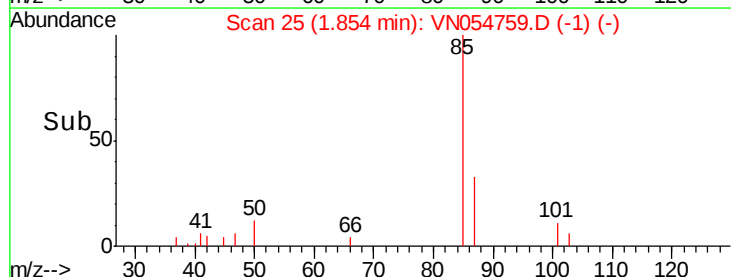
0

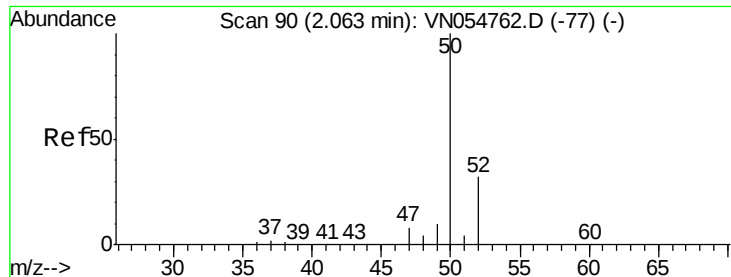
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 1.092 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 50 Resp: 7123

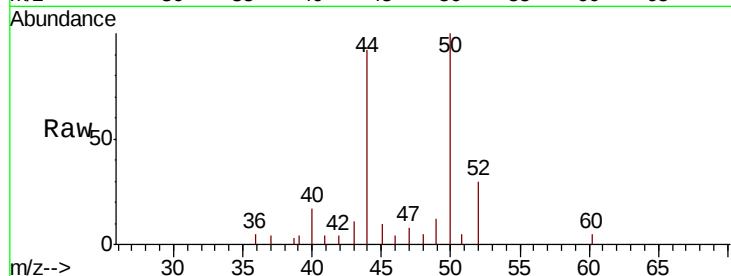
Ion Ratio Lower Upper

50 100

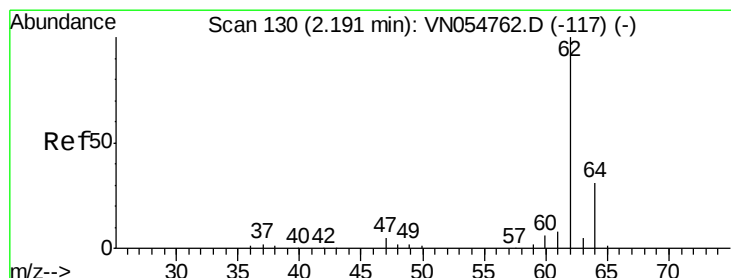
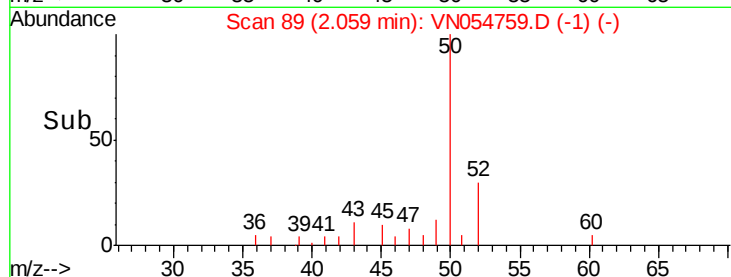
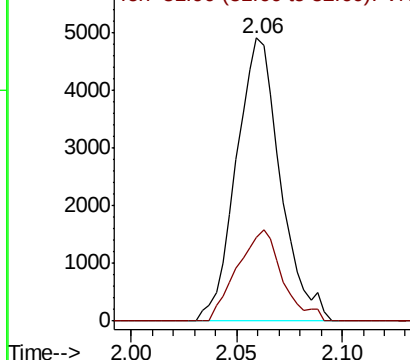
52 29.7 26.4 39.6

Manual Integrations
APPROVED

MMDadoda
4/1/2019 3:59:52 PM



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 1.127 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054759.D

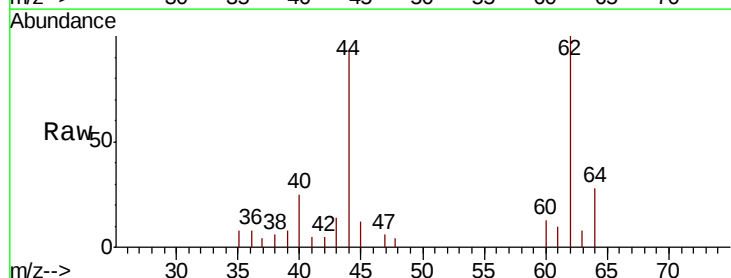
Acq: 29 Mar 2019 10:00

Tgt Ion: 62 Resp: 6606

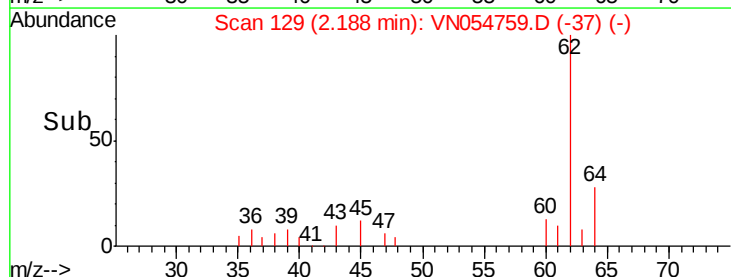
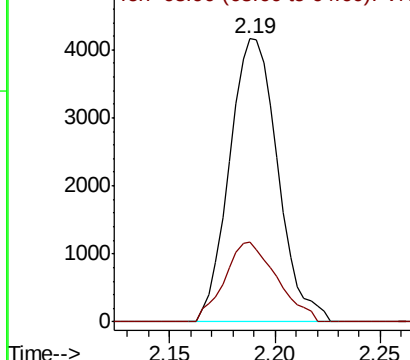
Ion Ratio Lower Upper

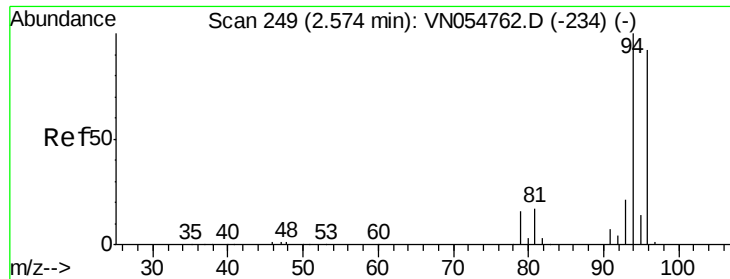
62 100

64 28.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 1.217 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 4307

Ion Ratio Lower Upper

94 100

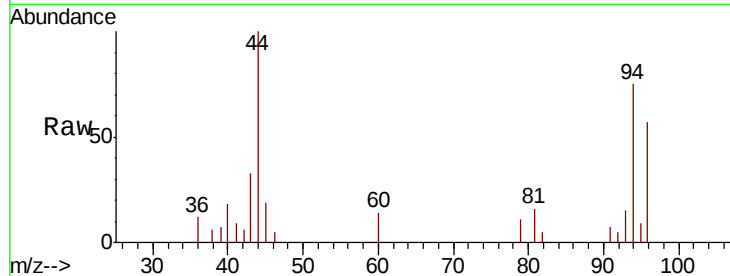
96 75.8 77.0 115.4#

Manual Integrations

APPROVED

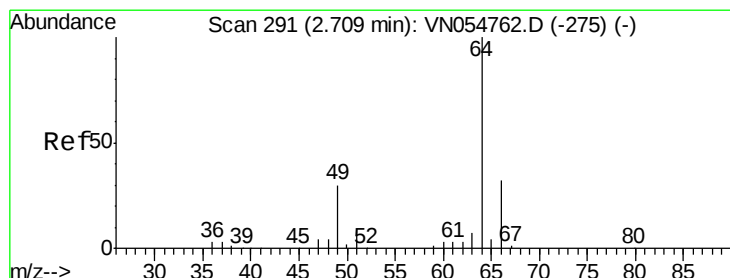
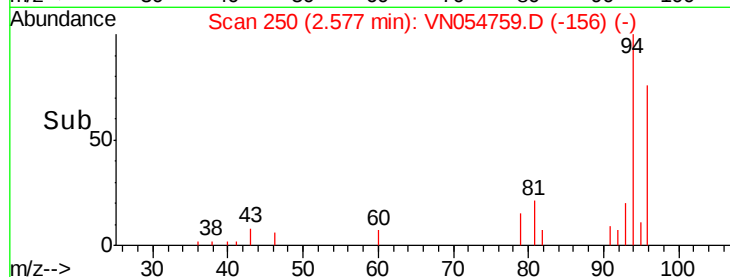
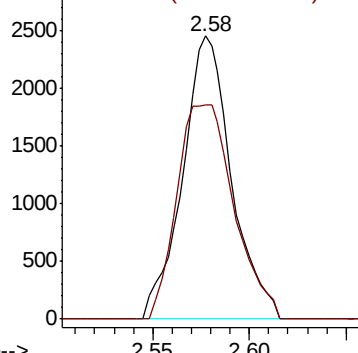
MMDadoda

4/1/2019 3:59:52 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 1.221 ug/l

RT: 2.72 min Scan# 293

Delta R.T. 0.01 min

Lab File: VN054759.D

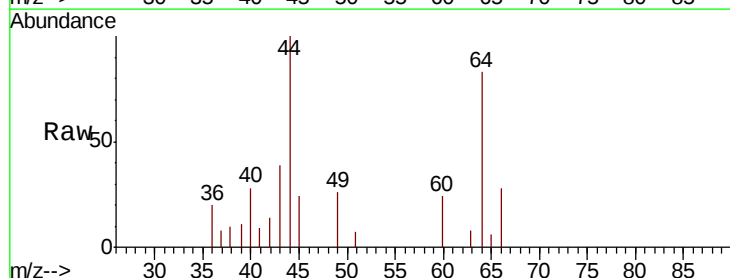
Acq: 29 Mar 2019 10:00

Tgt Ion: 64 Resp: 3994

Ion Ratio Lower Upper

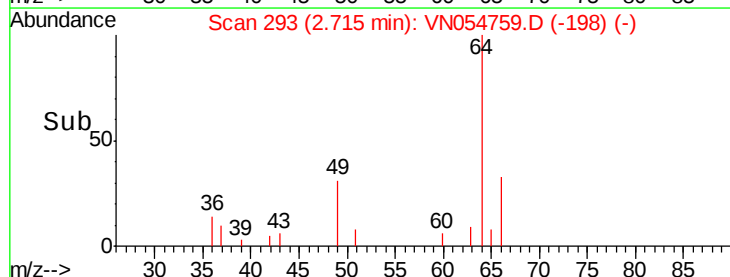
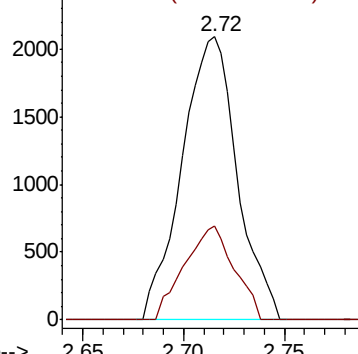
64 100

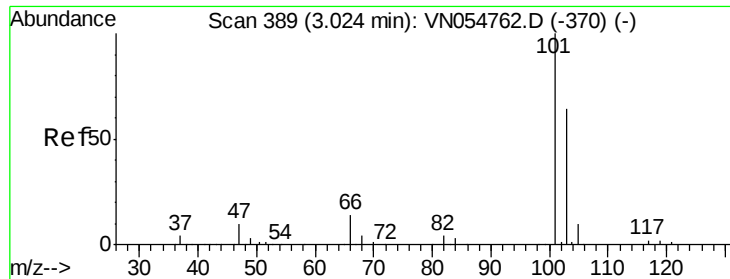
66 33.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 1.111 ug/l

RT: 3.02 min Scan# 389

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:101 Resp: 8004

Ion Ratio Lower Upper

101 100

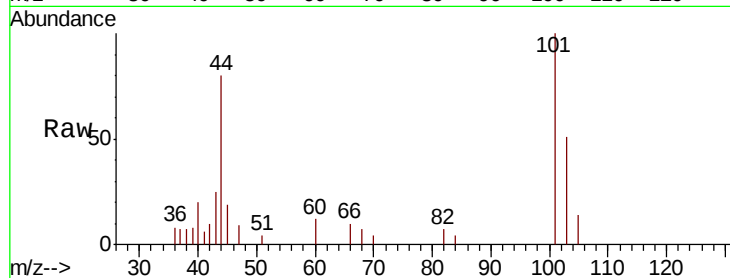
103 51.0 51.4 77.2#

Manual Integrations

APPROVED

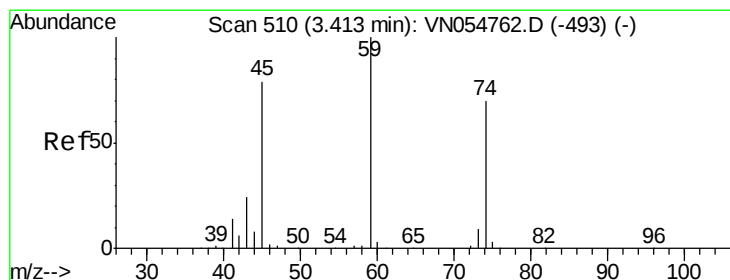
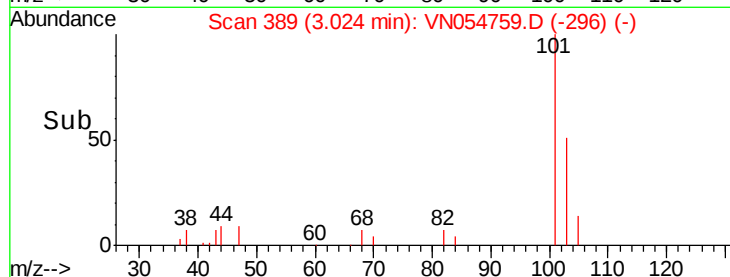
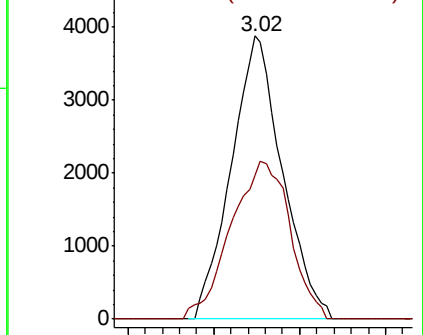
MMDadoda

4/1/2019 3:59:52 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 1.121 ug/l

RT: 3.41 min Scan# 509

Delta R.T. -0.00 min

Lab File: VN054759.D

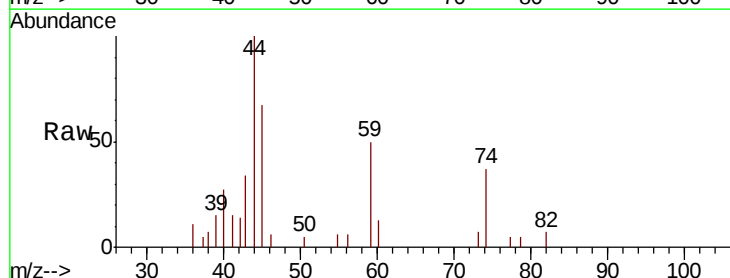
Acq: 29 Mar 2019 10:00

Tgt Ion: 74 Resp: 2601

Ion Ratio Lower Upper

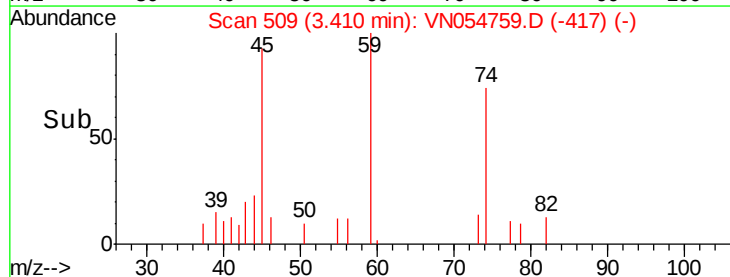
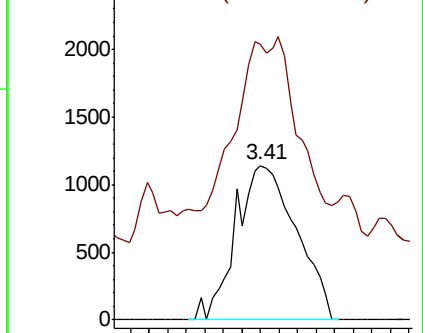
74 100

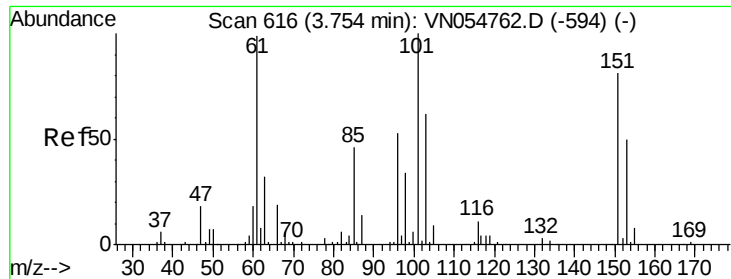
45 56.2 43.1 129.4



Abundance Ion 74.00 (73.70 to 74.70): VNC

Ion 45.00 (44.70 to 45.70): VNC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.229 ug/l m

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

ClientSampleId :

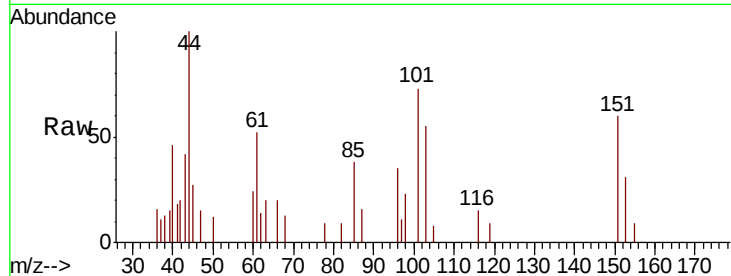
VSTDIC001

Tot Ion: 101 Resp: 4376

Ion	Ratio	Lower	Upper
101	100		
85	46.0	32.4	48.6
151	79.7	68.2	102.2

Manual Integrations
APPROVED

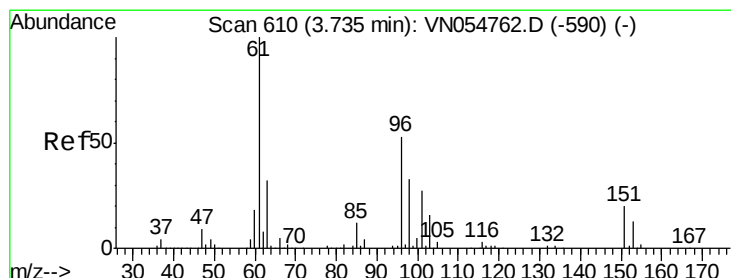
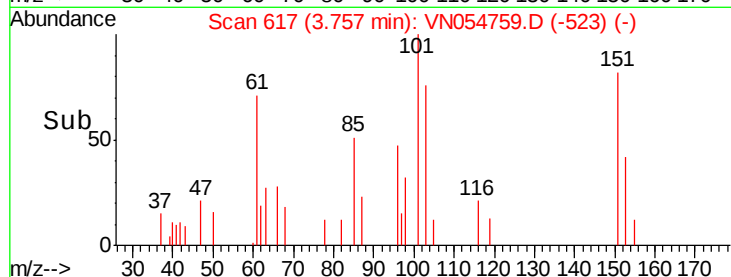
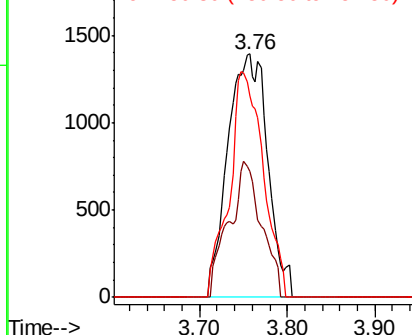
MMDadoda
4/1/2019 3:59:52 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VNO

Ion 150.80 (150.50 to 151.50): V



#12

1,1-Dichloroethene

Concen: 1.070 ug/l

RT: 3.73 min Scan# 608

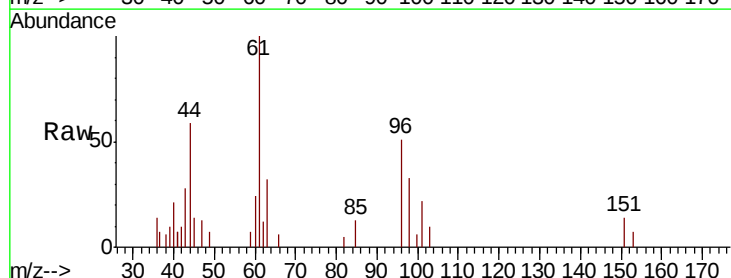
Delta R.T. -0.01 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Tgt Ion: 96 Resp: 3924

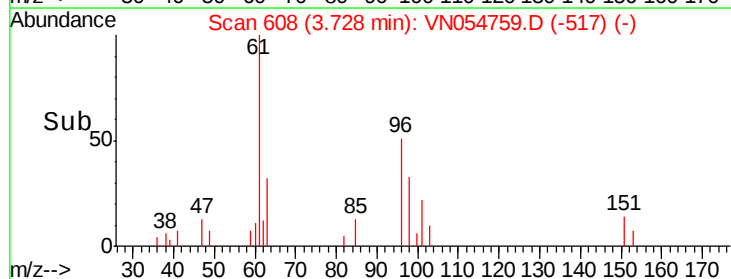
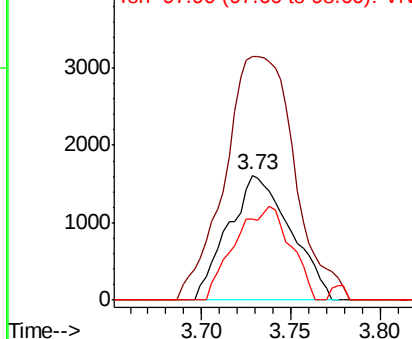
Ion	Ratio	Lower	Upper
96	100		
61	177.0	116.5	174.7#
98	65.0	51.0	76.4

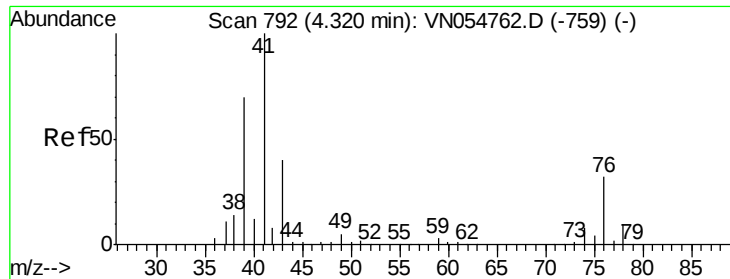


Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





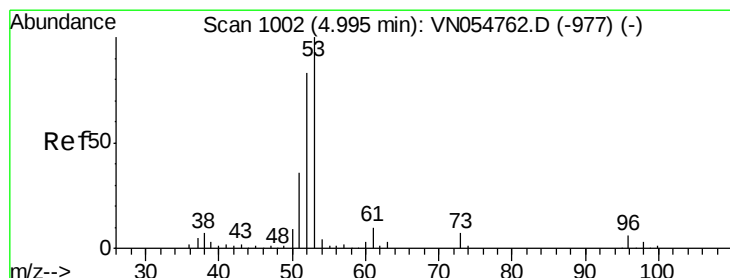
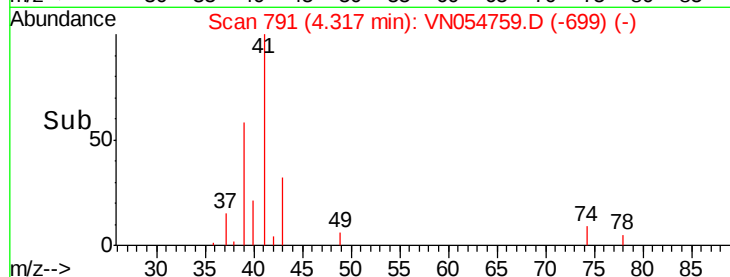
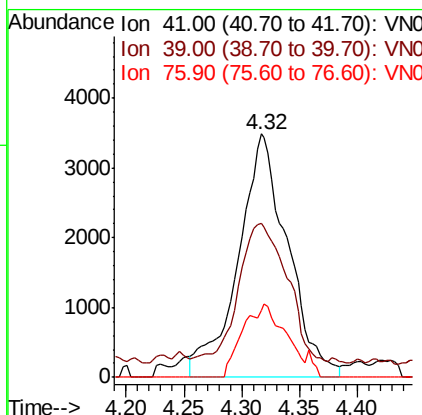
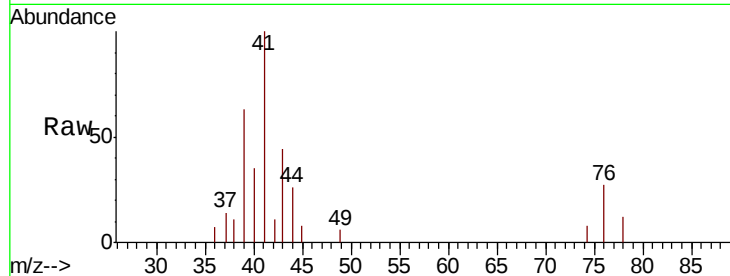
#14
Allvl chloride
Concen: 1.159 ug/l m
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.6	58.2	87.4#
76	26.0	31.7	47.5#

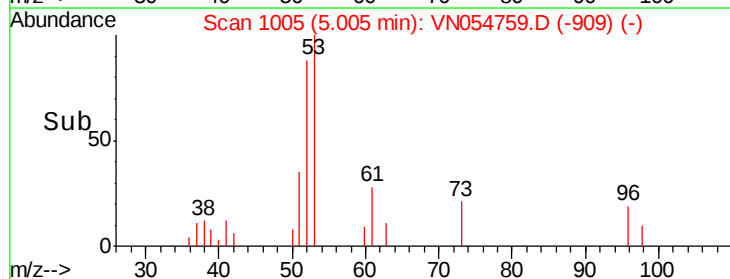
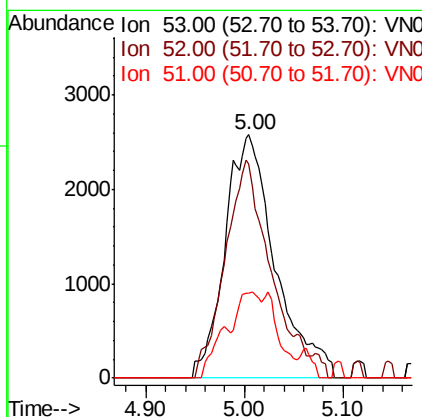
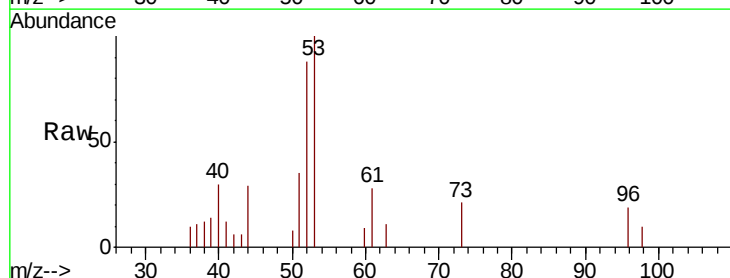
Manual Integrations
APPROVED

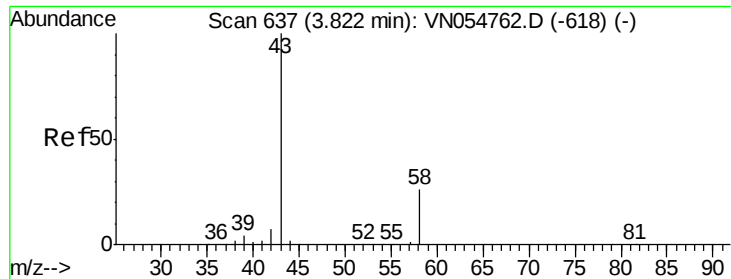
MMDadoda
4/1/2019 3:59:52 PM



#15
Acrylonitrile
Concen: 5.018 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Tgt Ion	Ratio	Lower	Upper
53	100		
52	80.7	66.4	99.6
51	7.7	29.6	44.4#





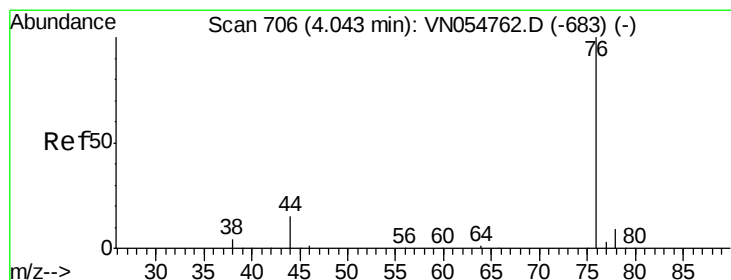
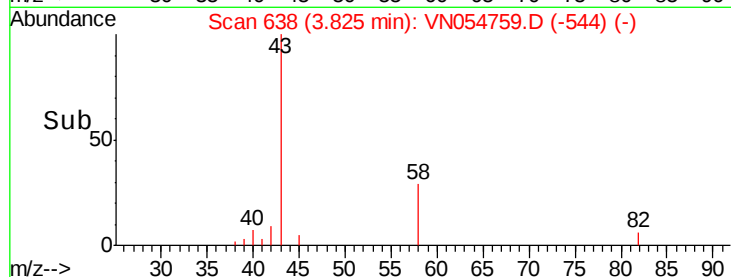
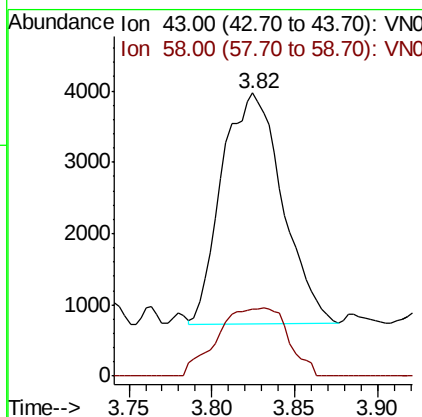
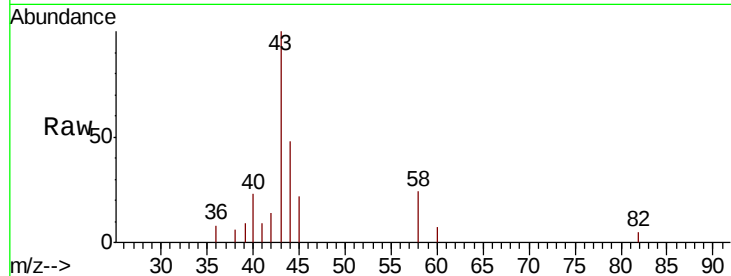
#16
Acetone
Concen: 5.485 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 8227
Ion Ratio Lower Upper
43 100
58 29.1 29.9 44.9#

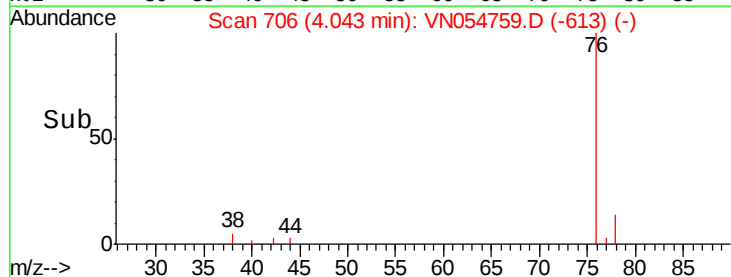
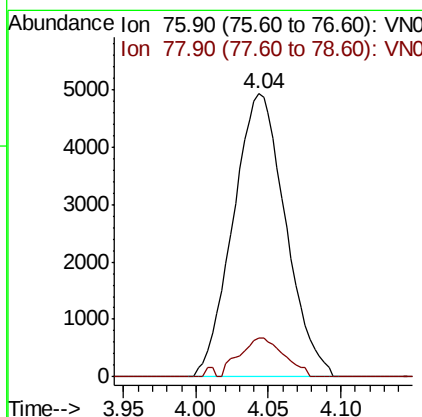
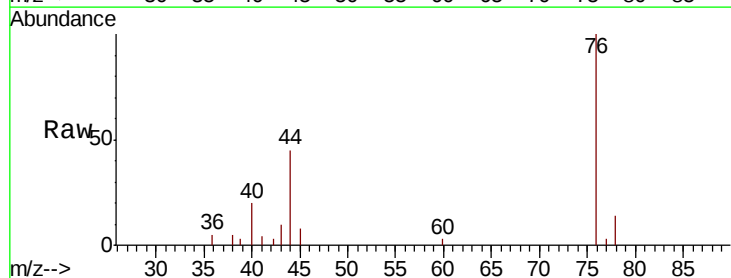
Manual Integrations
APPROVED

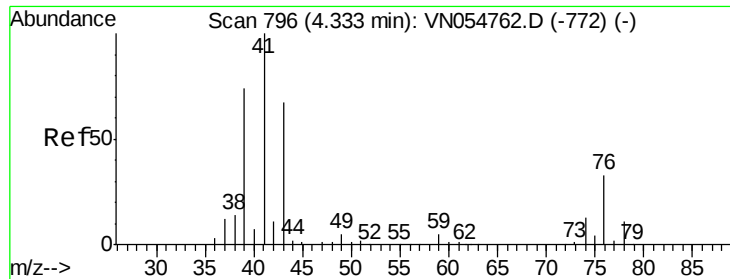
MMDadoda
4/1/2019 3:59:52 PM



#17
Carbon Disulfide
Concen: 1.042 ug/l
RT: 4.04 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Tgt Ion: 76 Resp: 12398
Ion Ratio Lower Upper
76 100
78 13.9 7.5 11.3#





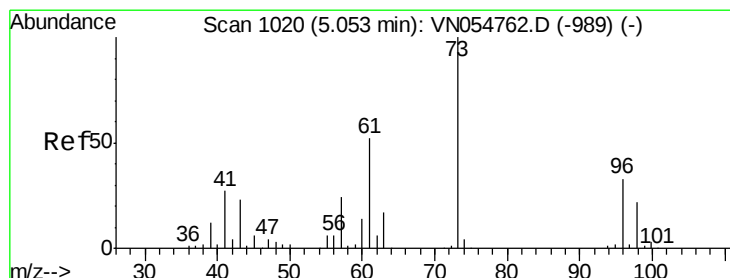
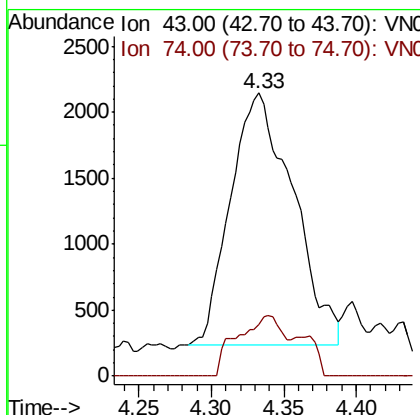
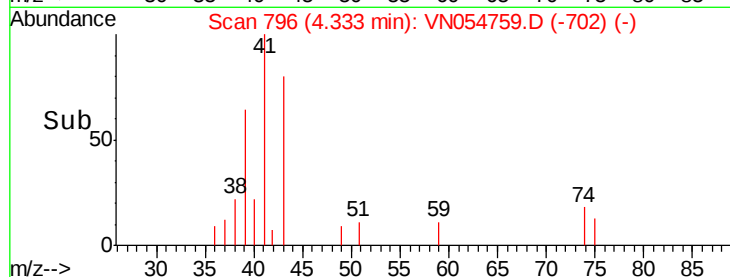
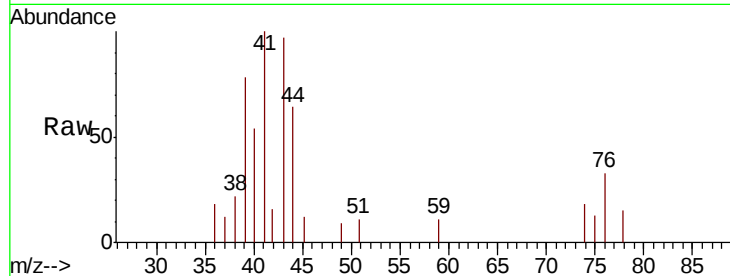
#18
Methyl Acetate
Concen: 1.326 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 5745
Ion Ratio Lower Upper
43 100
74 18.3 20.8 31.2#

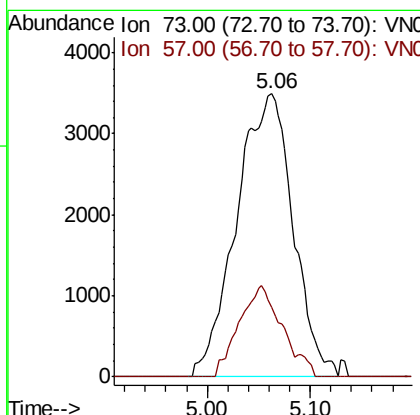
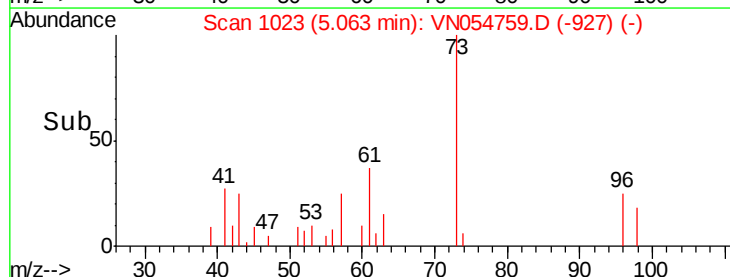
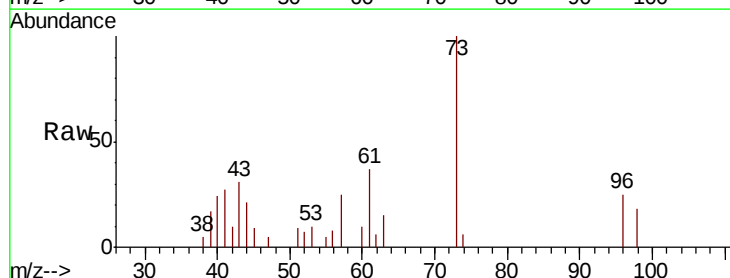
Manual Integrations
APPROVED

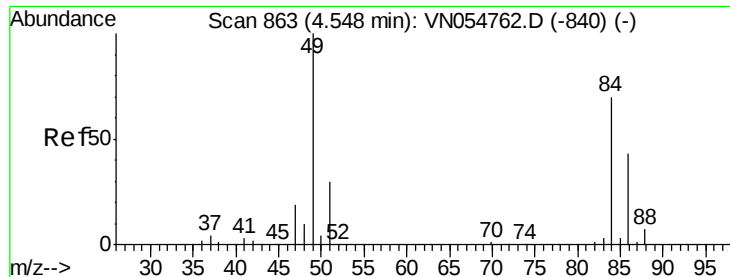
MMDadoda
4/1/2019 3:59:52 PM



#19
Methyl tert-butyl Ether
Concen: 1.037 ug/l
RT: 5.06 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Tgt Ion: 73 Resp: 13309
Ion Ratio Lower Upper
73 100
57 24.5 16.8 25.2





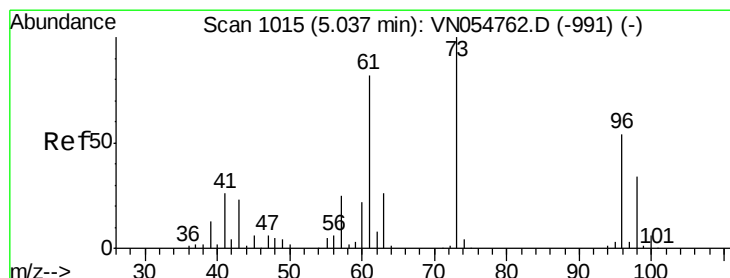
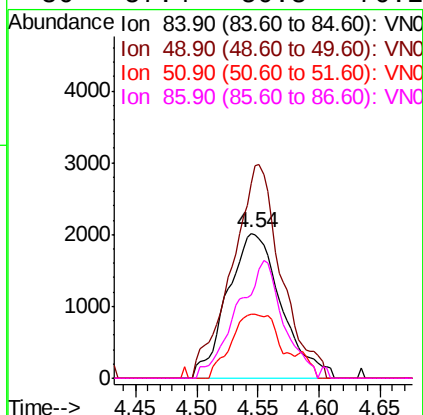
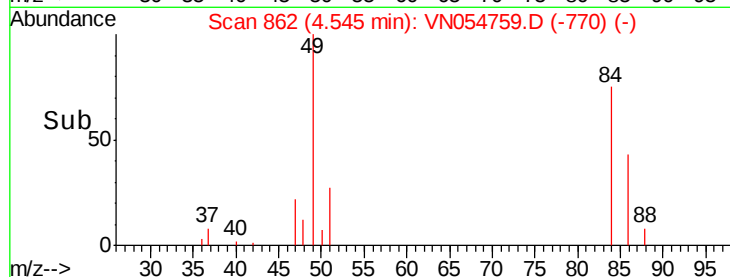
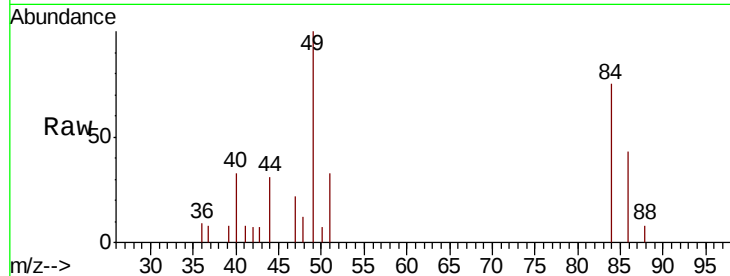
#20
Methvlene Chloride
Concen: 1.169 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 84 Resp: 6187
Ion Ratio Lower Upper
84 100
49 134.2 89.7 134.5
51 43.8 28.2 42.4#
86 57.4 50.8 76.2

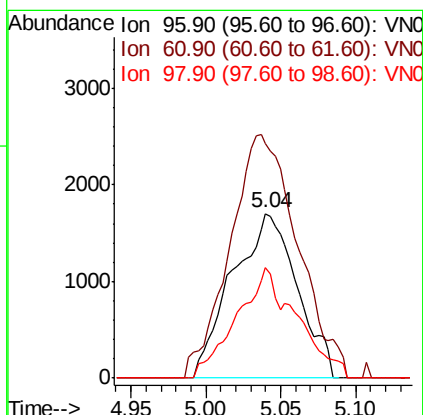
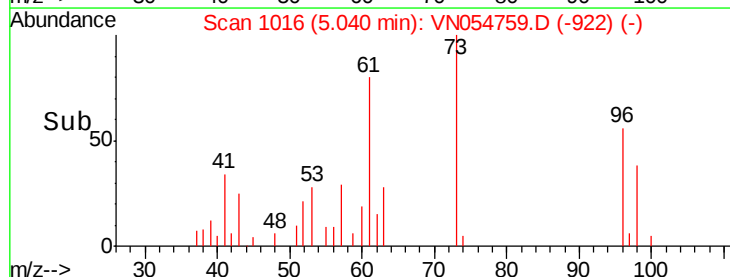
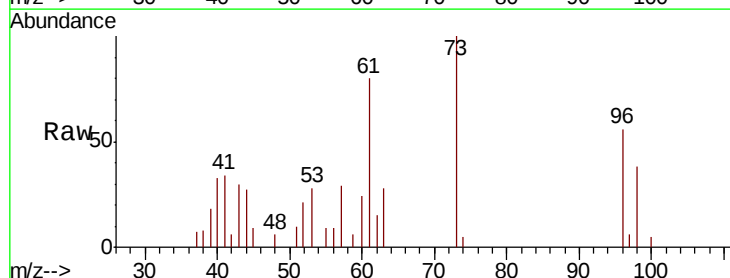
Manual Integrations
APPROVED

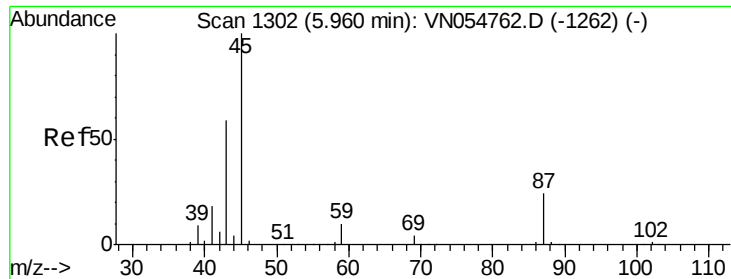
MMDadoda
4/1/2019 3:59:52 PM



#21
trans-1,2-Dichloroethene
Concen: 1.066 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Tgt Ion: 96 Resp: 5133
Ion Ratio Lower Upper
96 100
61 129.9 102.8 154.2
98 67.2 50.0 75.0





#22

Diisopropyl ether

Concen: 0.995 ug/l

RT: 5.97 min Scan# 1304

Delta R.T. 0.01 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

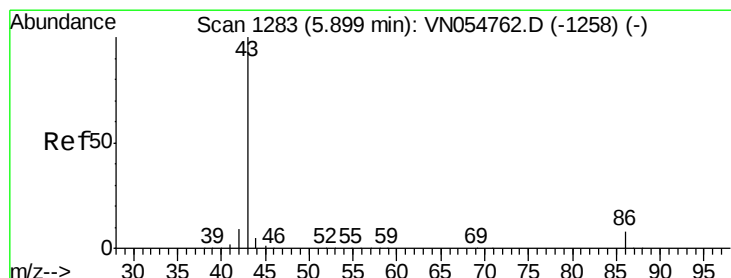
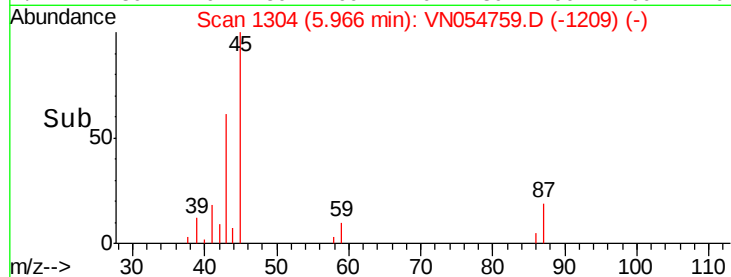
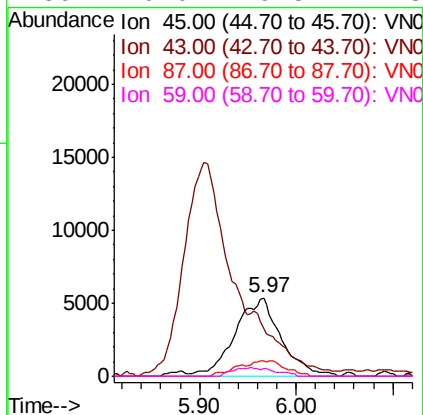
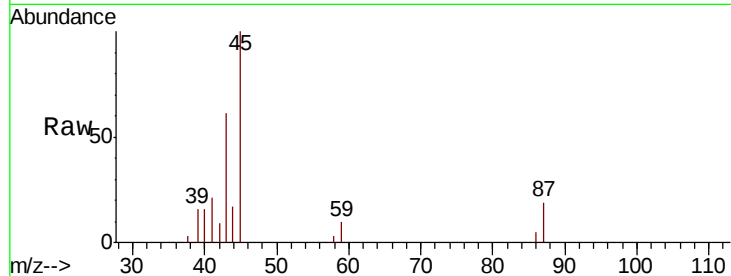
ClientSampleId :

VSTDIC001

Tot Ion:	45	Resp:	17771
Ion	Ratio	Lower	Upper
45	100		
43	54.2	48.2	72.2
87	19.1	24.9	37.3
59	10.0	9.5	14.3

Manual Integrations
APPROVED

MMDadoda
4/1/2019 3:59:52 PM



#23

Vinyl Acetate

Concen: 4.500 ug/l m

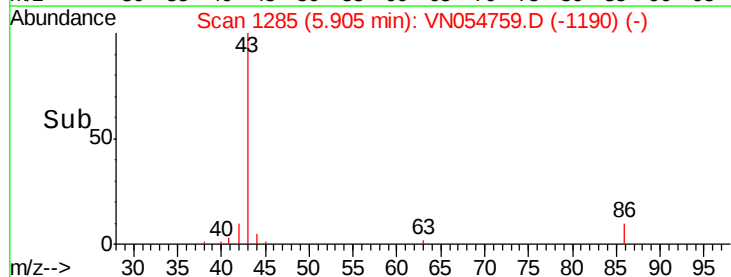
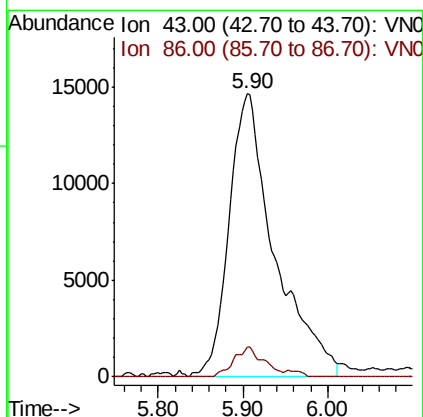
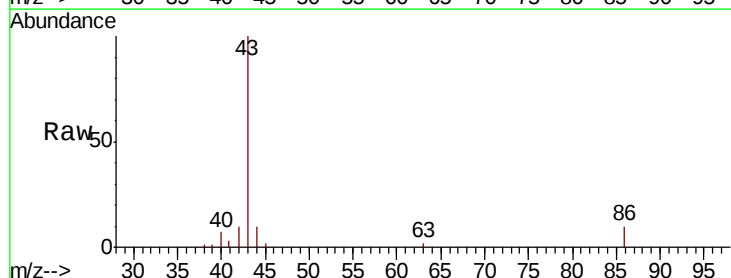
RT: 5.90 min Scan# 1285

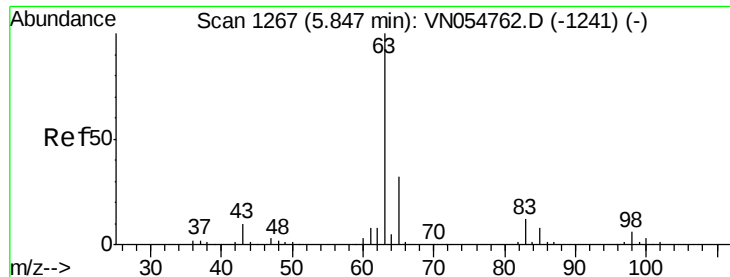
Delta R.T. 0.01 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Tgt Ion:	43	Resp:	54631
Ion	Ratio	Lower	Upper
43	100		
86	10.4	9.1	13.7





#24

1,1-Dichloroethane

Concen: 1.034 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

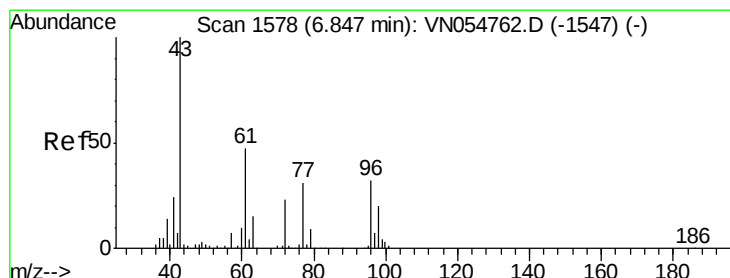
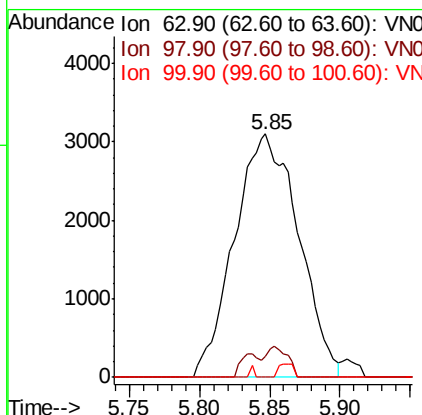
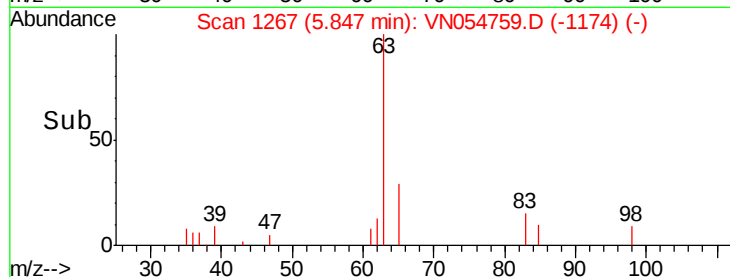
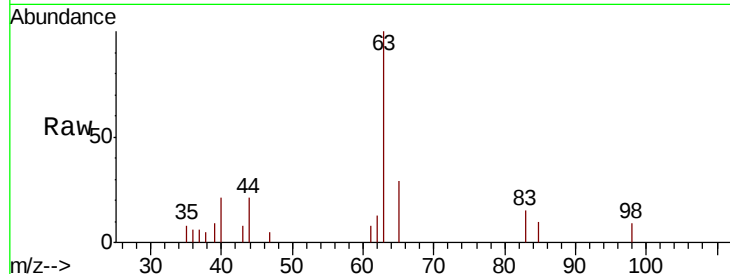
ClientSampleId :

VSTDIC001

Tot Ion:	63	Resp:	9857
Ion	Ratio	Lower	Upper
63	100		
98	8.8	3.5	10.5
100	0.0	2.0	6.0#

Manual Integrations
APPROVED

MMDadoda
4/1/2019 3:59:52 PM



#25

2-Butanone

Concen: 4.165 ug/l

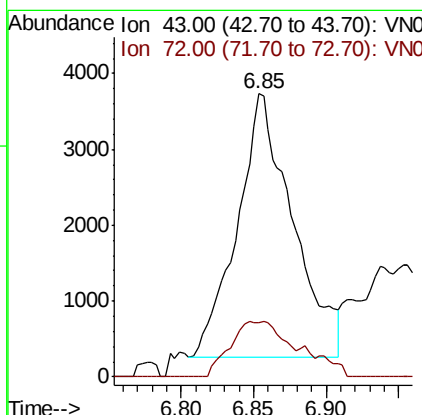
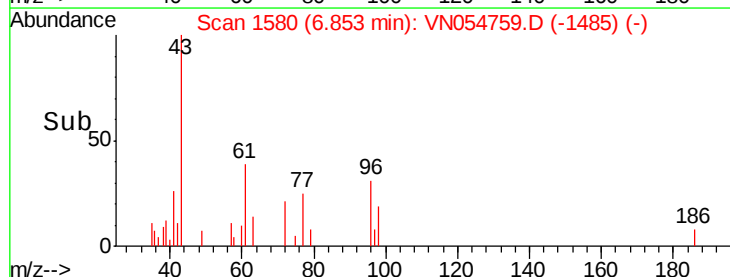
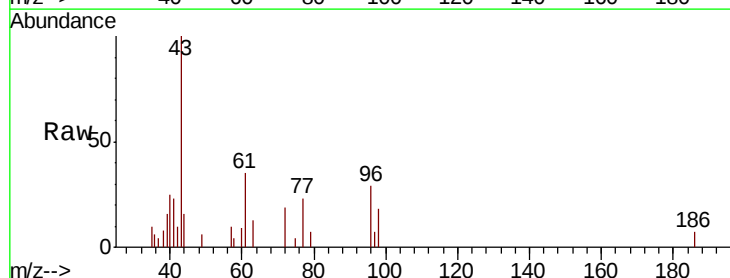
RT: 6.85 min Scan# 1580

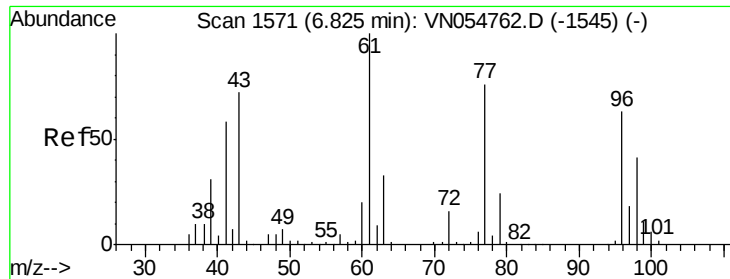
Delta R.T. 0.01 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Tgt Ion:	43	Resp:	9234
Ion	Ratio	Lower	Upper
43	100		
72	20.6	23.0	34.6#





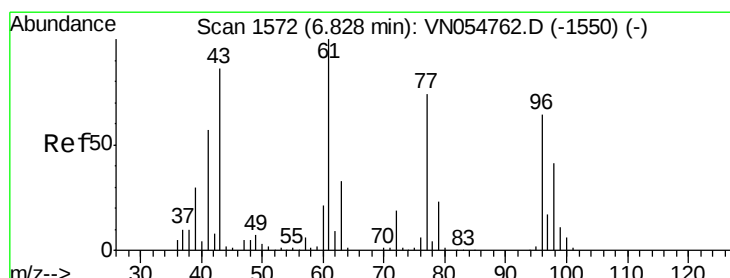
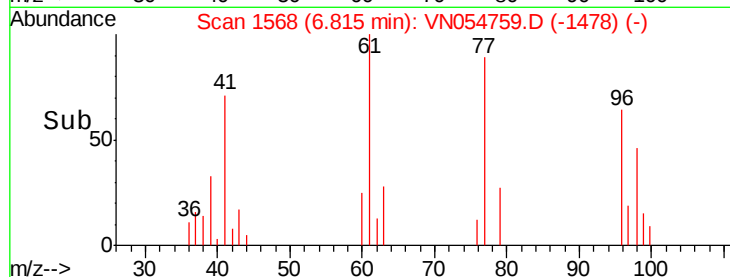
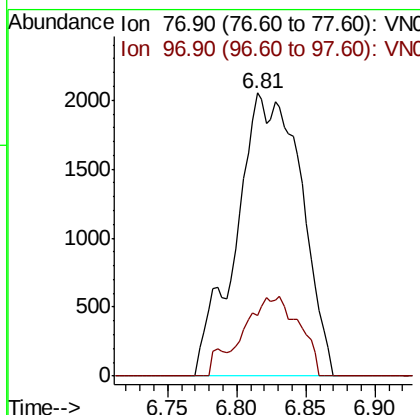
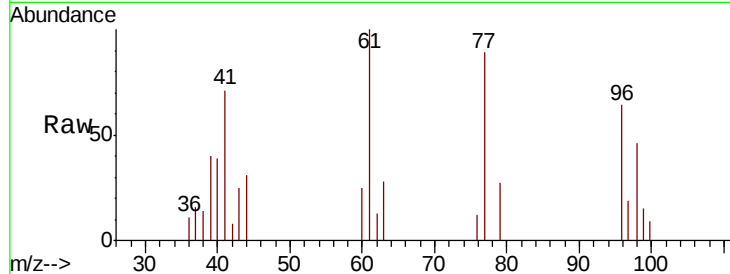
#26
 2,2-Dichloropropane
 Concen: 1.003 ug/l m
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 77 Resp: 6699
 Ion Ratio Lower Upper
 77 100
 97 2.1 11.9 35.9#

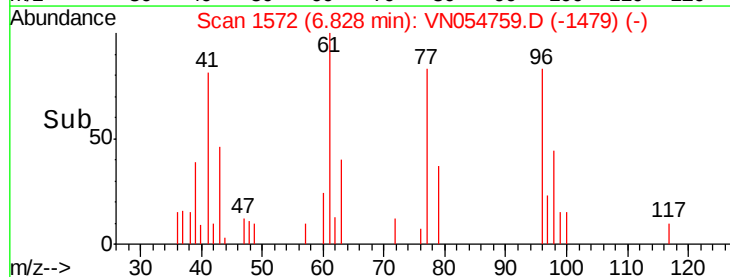
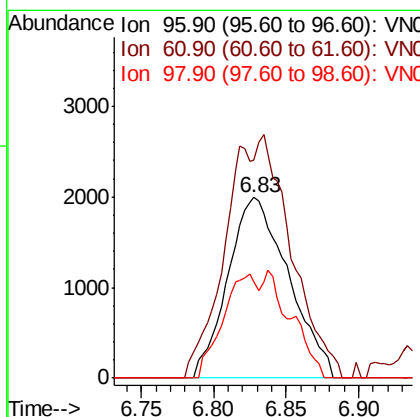
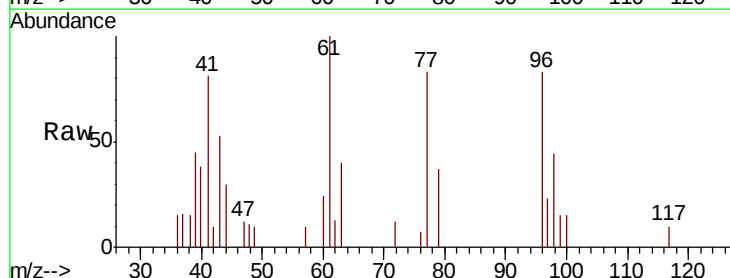
Manual Integrations
 APPROVED

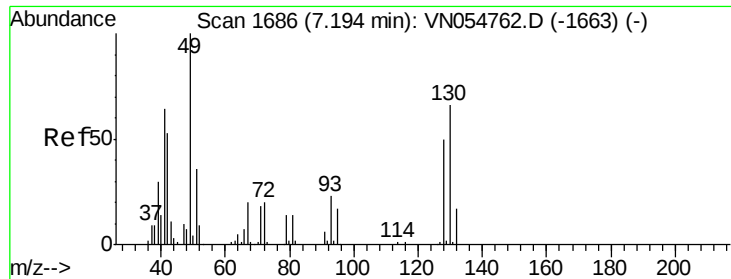
MMDadoda
 4/1/2019 3:59:52 PM



#27
 cis-1,2-Dichloroethene
 Concen: 1.065 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

Tgt Ion: 96 Resp: 5798
 Ion Ratio Lower Upper
 96 100
 61 59.9 0.0 273.0
 98 33.3 0.0 130.6





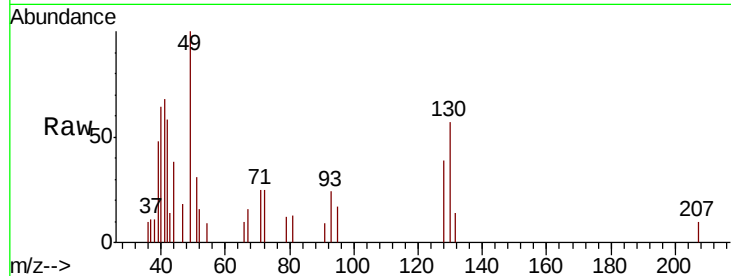
#28
Bromochloromethane
Concen: 1.042 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	30.6	76.7	115.1#

Manual Integrations
APPROVED

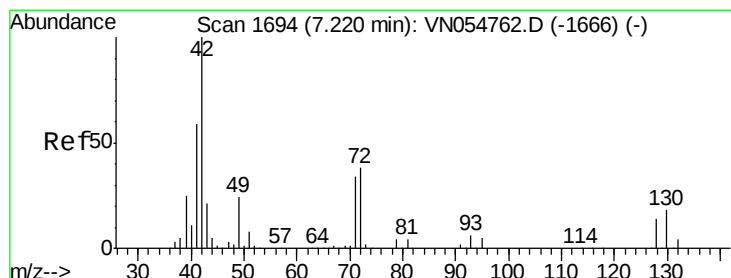
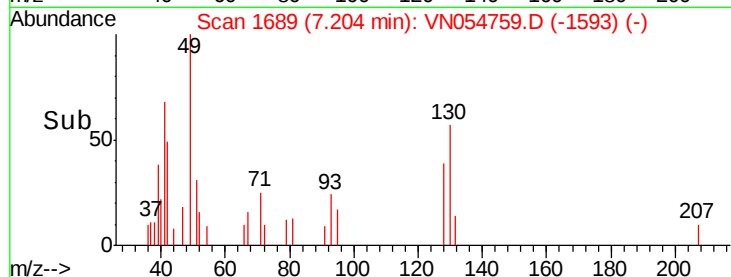
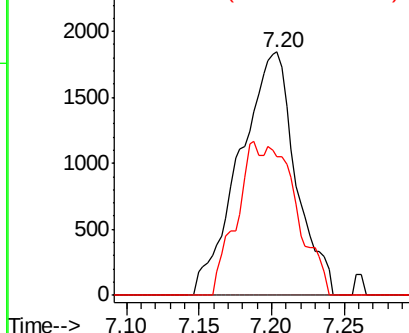
MMDadoda
4/1/2019 3:59:52 PM



Abundance Ion 48.90 (48.60 to 49.60): VN054762.D (-1663) (-)

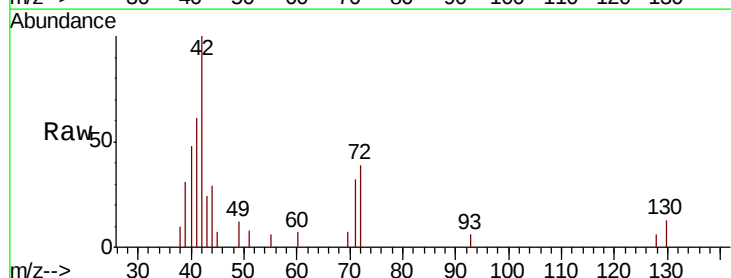
Ion 128.80 (128.50 to 129.50): VN054762.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN054762.D (-1663) (-)



#29
Tetrahydrofuran
Concen: 5.232 ug/l m
RT: 7.23 min Scan# 1697
Delta R.T. 0.01 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

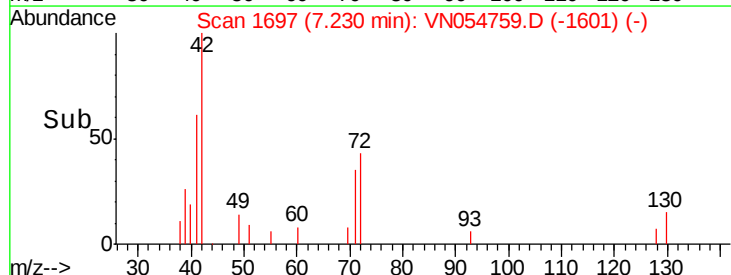
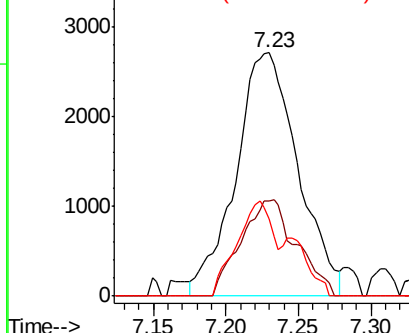
Tgt Ion	Ratio	Lower	Upper
42	100		
72	35.4	37.8	56.6#
71	22.5	36.2	54.2#

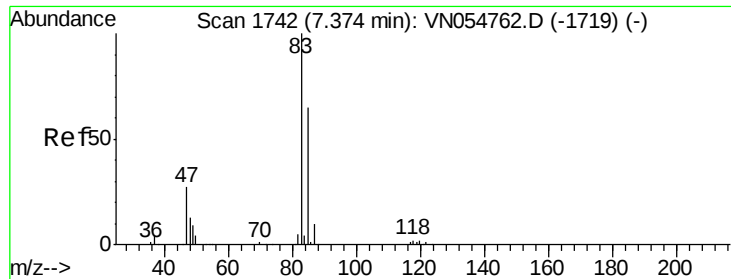


Abundance Ion 42.00 (41.70 to 42.70): VN054762.D (-1666) (-)

Ion 72.00 (71.70 to 72.70): VN054762.D (-1666) (-)

Ion 71.00 (70.70 to 71.70): VN054762.D (-1666) (-)





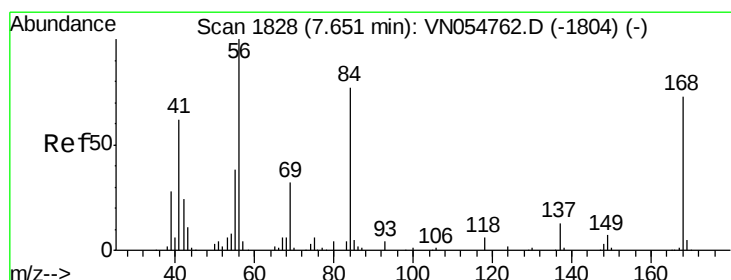
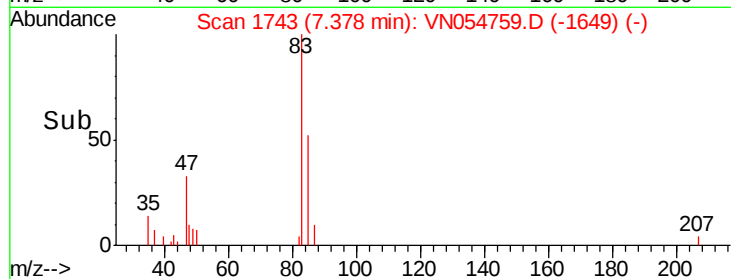
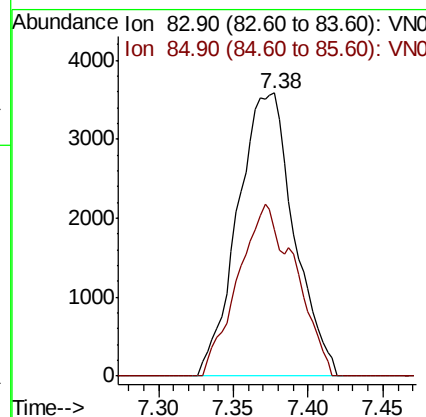
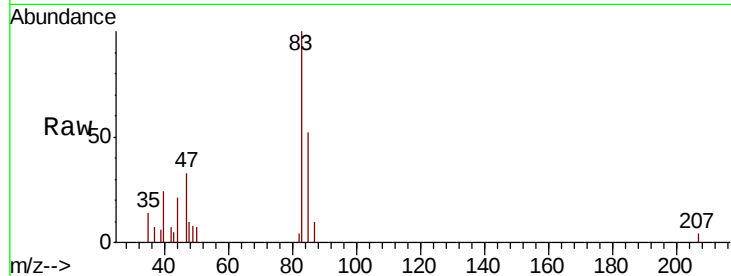
#30
Chloroform
Concen: 1.034 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 83 Resp: 9393
Ion Ratio Lower Upper
83 100
85 51.8 52.2 78.4#

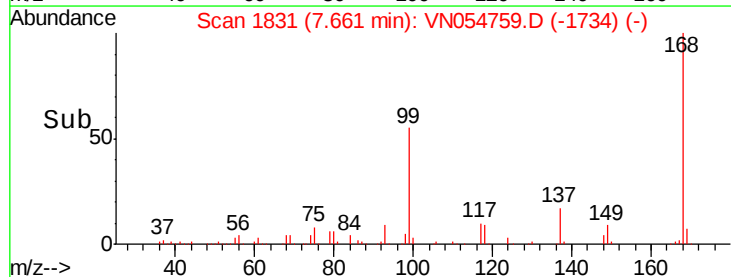
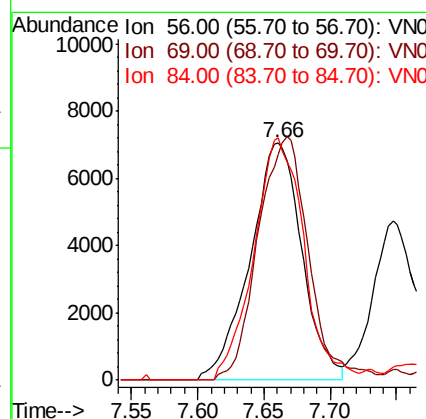
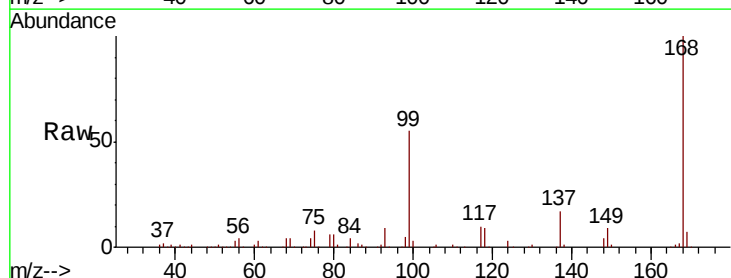
Manual Integrations
APPROVED

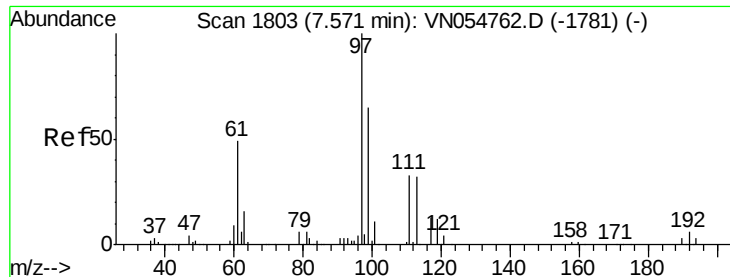
MMDadoda
4/1/2019 3:59:52 PM



#31
Cyclohexane
Concen: 1.762 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Tgt Ion: 56 Resp: 19330
Ion Ratio Lower Upper
56 100
69 94.7 27.8 41.6#
84 101.8 74.6 111.8





#32

1,1,1-Trichloroethane

Concen: 1.015 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

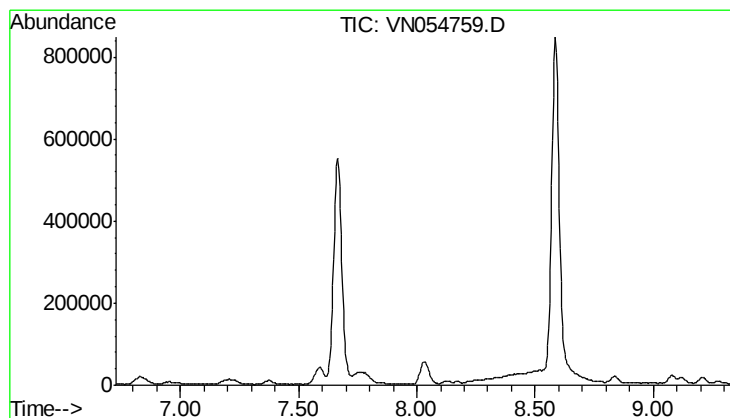
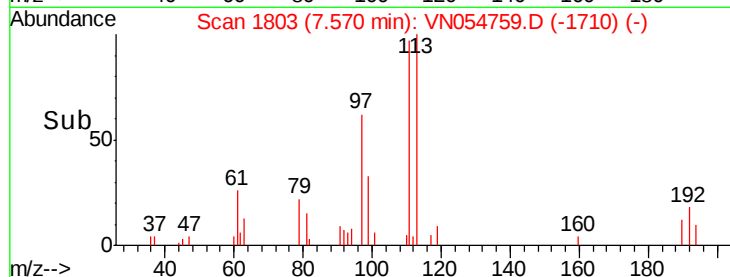
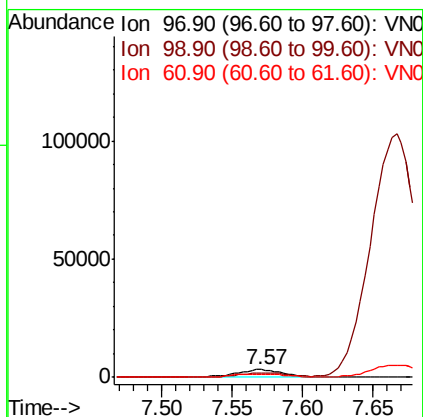
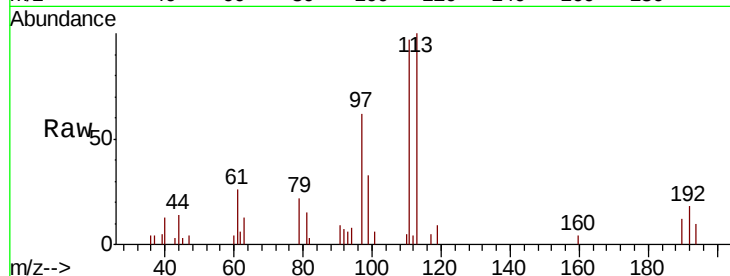
ClientSampleId :

VSTDIC001

Tot Ion:	97	Resp:	7648
Ion Ratio	Lower	Upper	
97	100		
99	0.0	51.5	77.3#
61	26.4	33.6	50.4#

Manual Integrations
APPROVED

MMDadoda
4/1/2019 3:59:52 PM



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.03 min

Lab File: VN054759.D

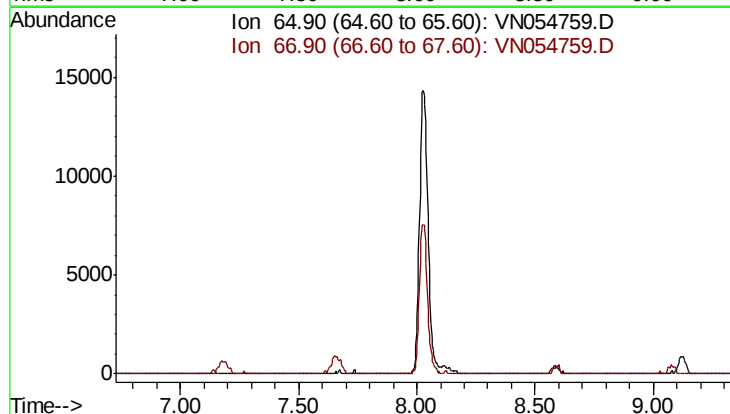
Acq: 29 Mar 2019 10:00

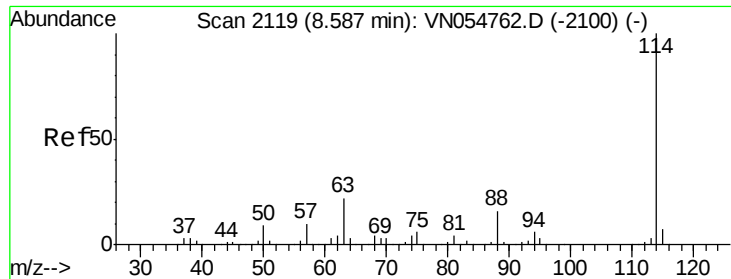
Tgt Ion: 65

Sig Exp Ratio

65 100

67 52.3





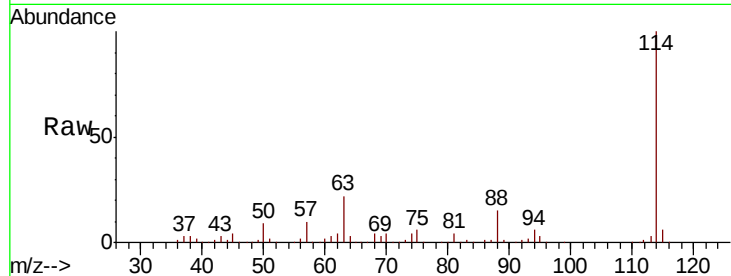
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

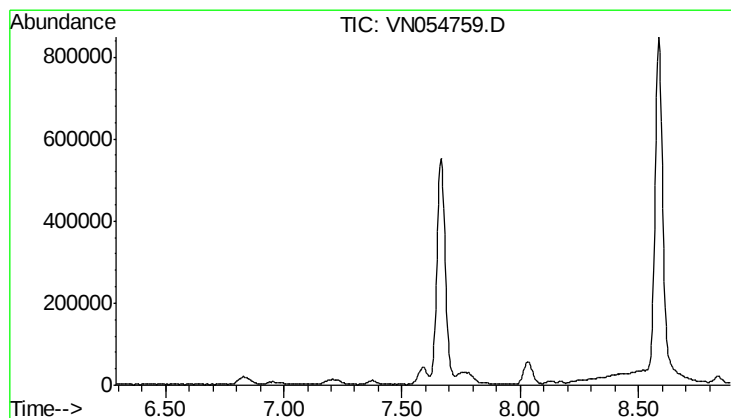
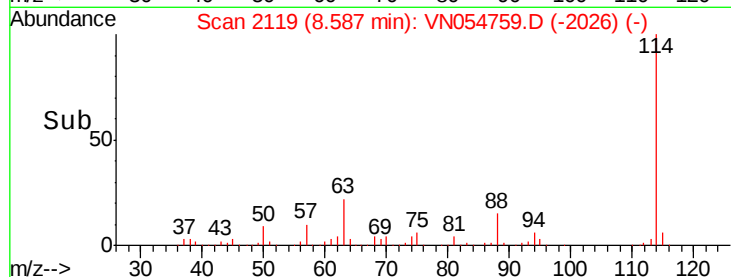
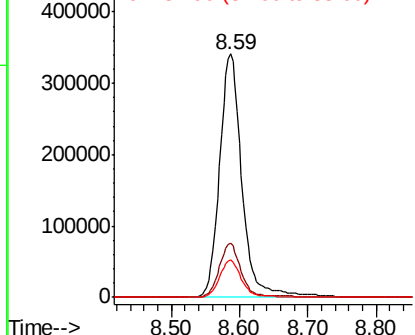
Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	22.1	0.0	35.2
88	15.3	0.0	30.2

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 3:59:52 PM



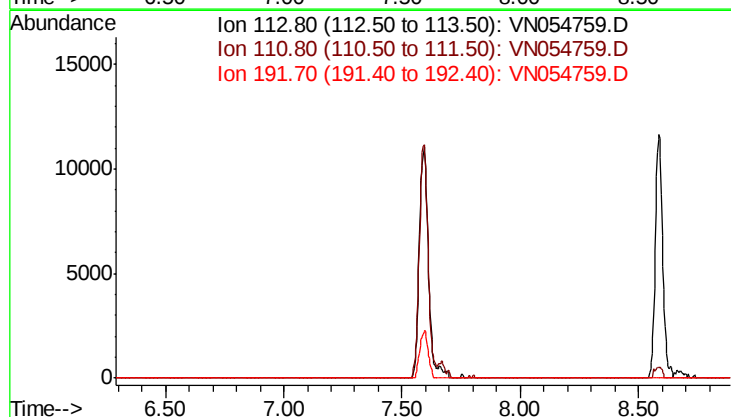
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

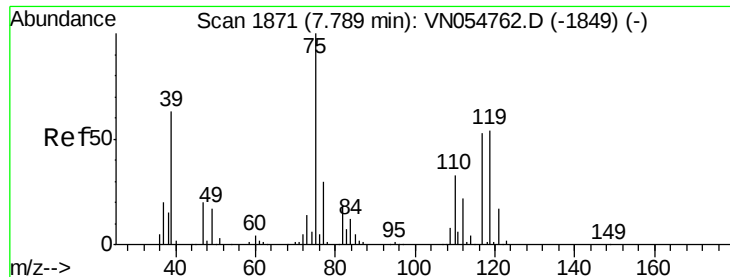


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.59 min

Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

Tgt Ion	Exp Ratio
113	100
111	102.8
192	24.0





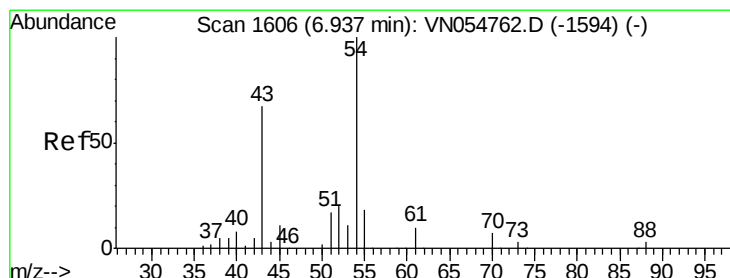
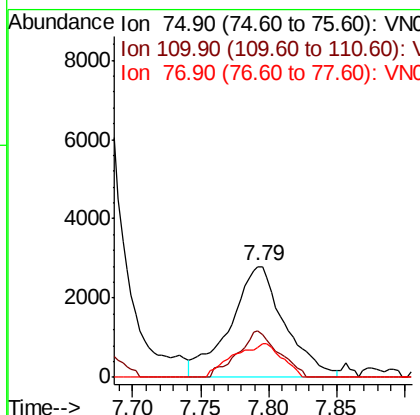
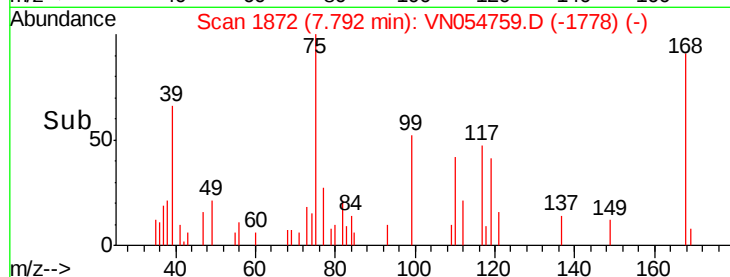
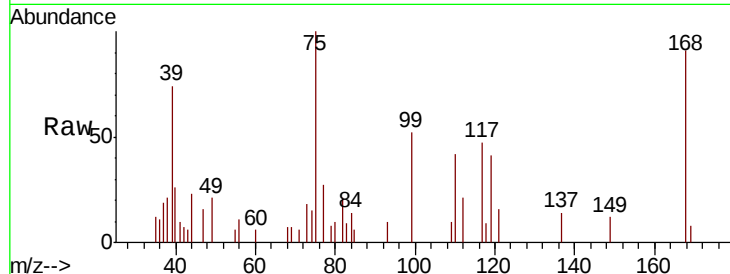
#36
 1,1-Dichloropropene
 Concen: 1.097 ug/l m
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	31.4	19.1	57.5
77	27.3	25.0	37.4

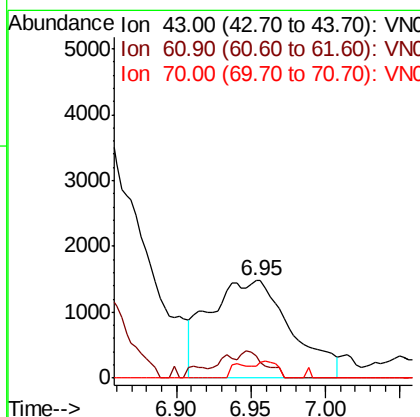
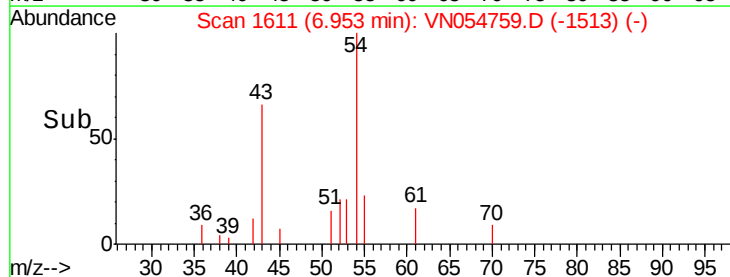
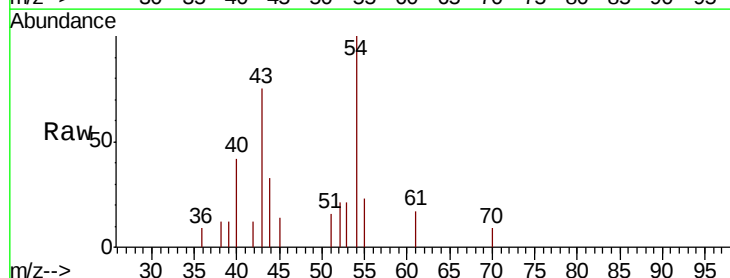
Manual Integrations
 APPROVED

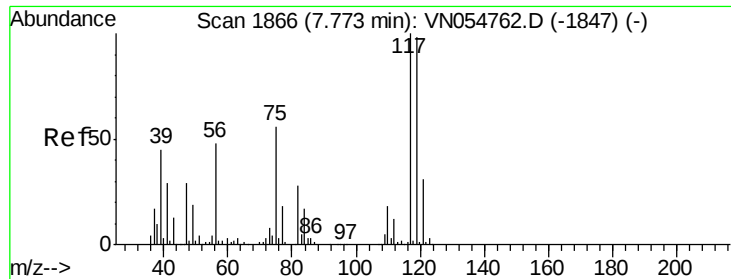
MMDadoda
 4/1/2019 3:59:52 PM



#37
 Ethyl Acetate
 Concen: 1.094 ug/l m
 RT: 6.95 min Scan# 1611
 Delta R.T. 0.02 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

Tgt Ion	Ratio	Lower	Upper
43	100		
61	5.4	11.8	17.6#
70	3.3	8.4	12.6#





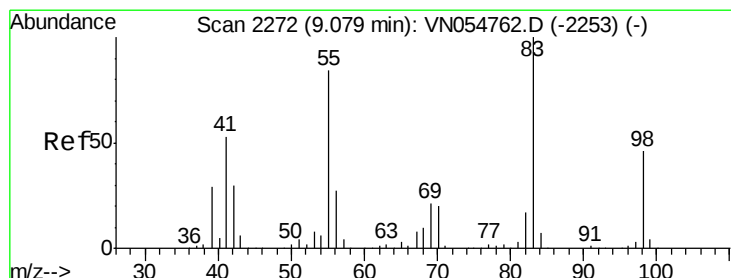
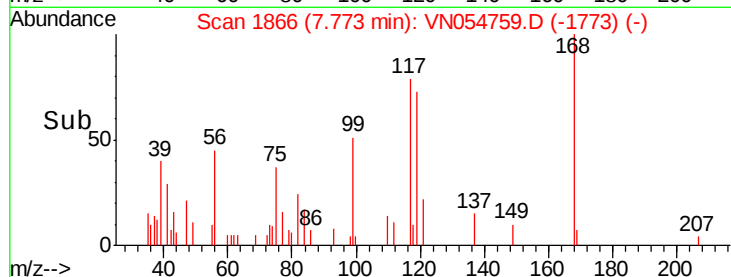
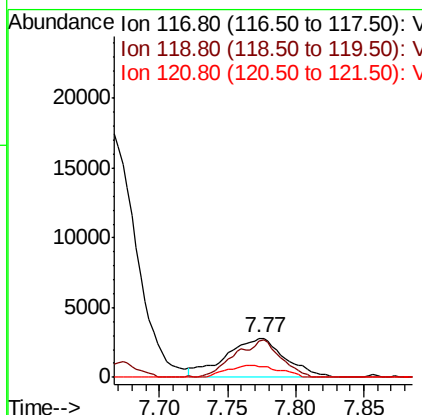
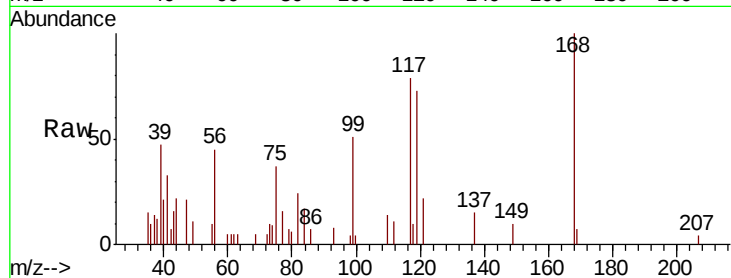
#38
Carbon Tetrachloride
Concen: 1.206 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.4	76.3	114.5
121	28.0	24.6	36.8

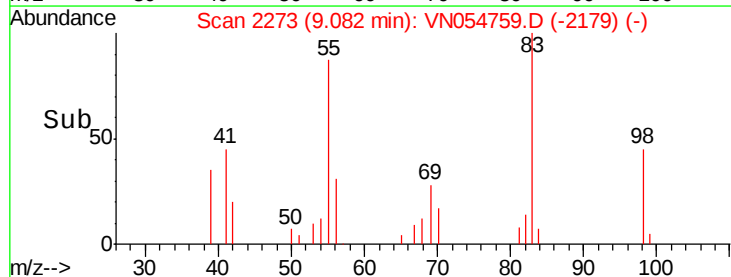
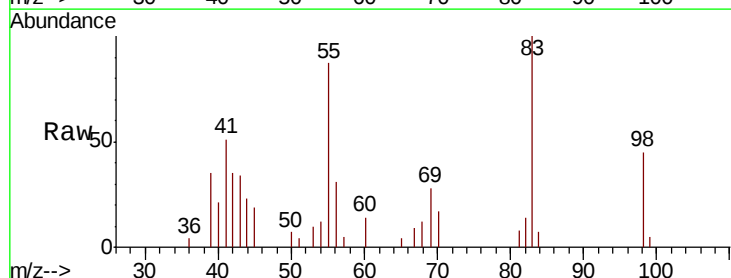
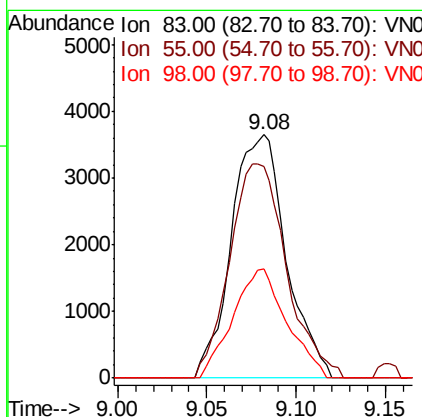
Manual Integrations
APPROVED

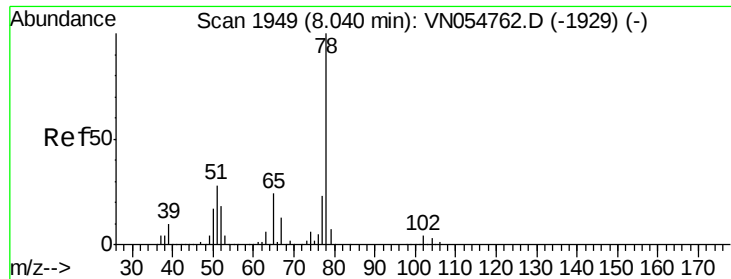
MMDadoda
4/1/2019 3:59:52 PM



#39
Methylcyclohexane
Concen: 0.986 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Tgt Ion	Ratio	Lower	Upper
83	100		
55	87.0	56.6	84.8#
98	45.0	38.4	57.6





#40

Benzene

Concen: 1.006 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 20809

Ion Ratio Lower Upper

78 100

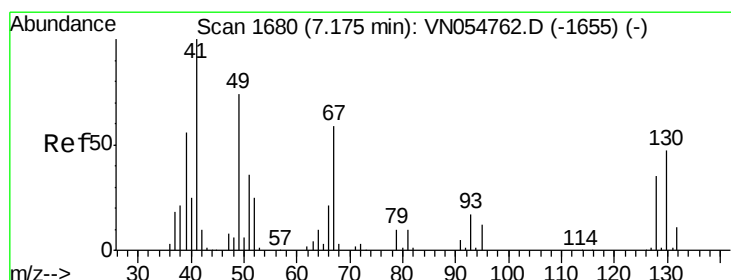
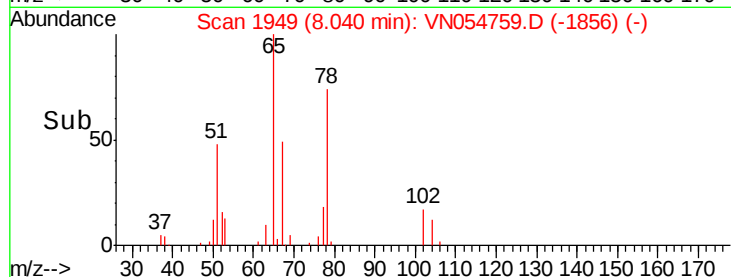
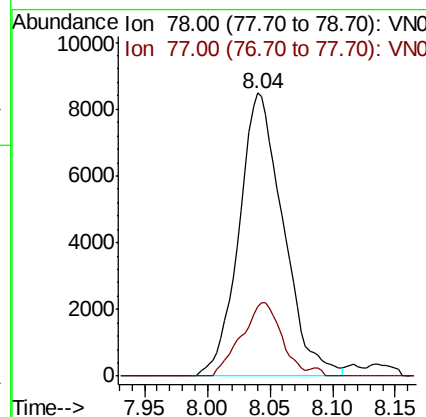
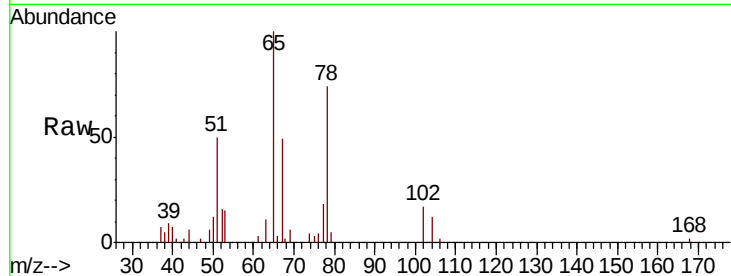
77 24.4 19.1 28.7

Manual Integrations

APPROVED

MMDadoda

4/1/2019 3:59:52 PM



#41

Methacrylonitrile

Concen: 0.975 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.02 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Tgt Ion: 41 Resp: 2904

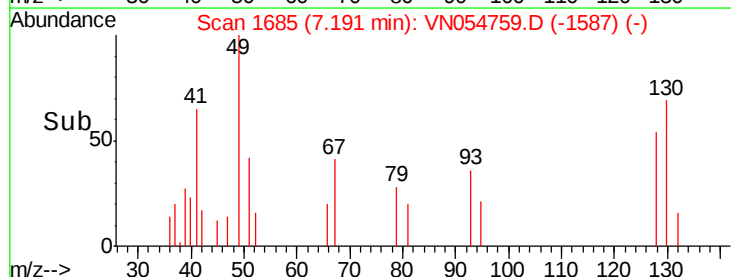
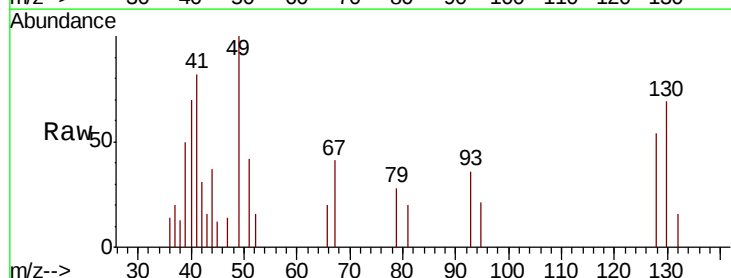
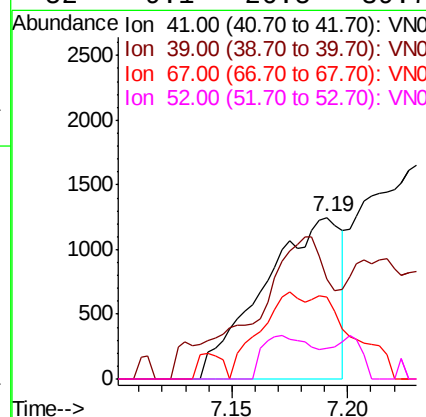
Ion Ratio Lower Upper

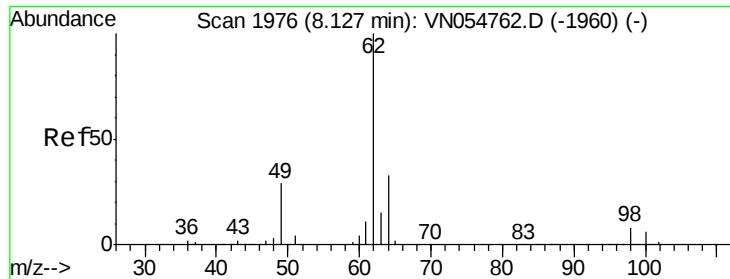
41 100

39 86.6 46.8 70.2#

67 0.0 67.0 100.4#

52 9.1 26.5 39.7#





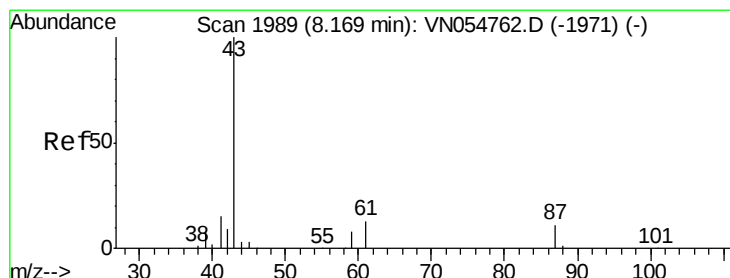
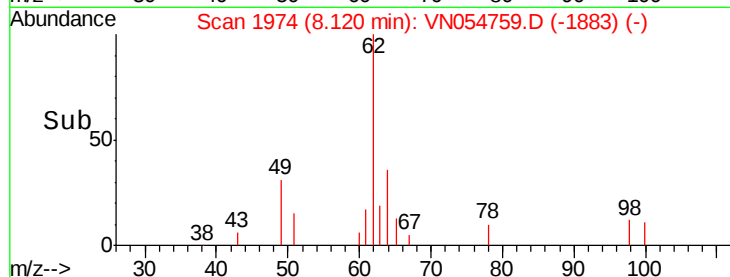
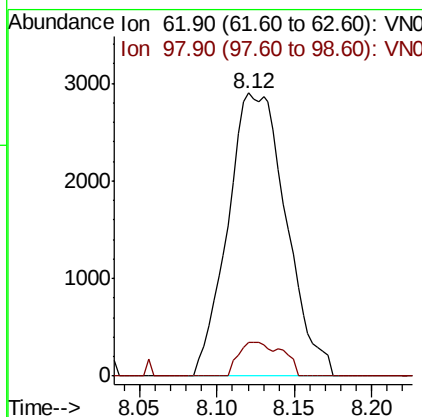
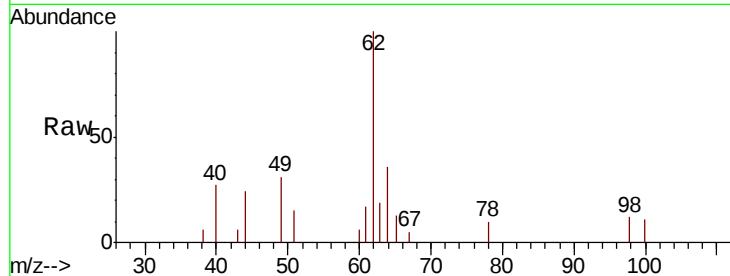
#42
 1,2-Dichloroethane
 Concen: 1.025 ug/l
 RT: 8.12 min Scan# 1974
 Delta R.T. -0.01 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.4

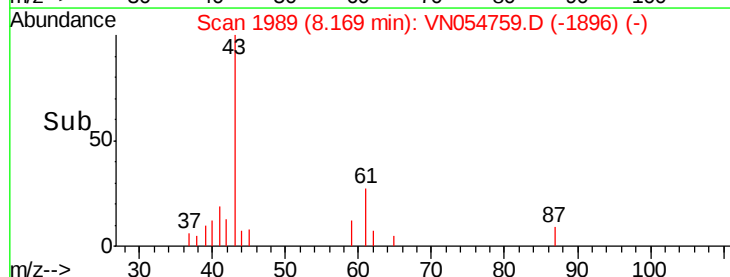
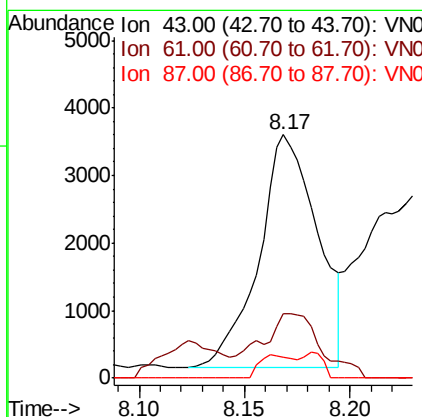
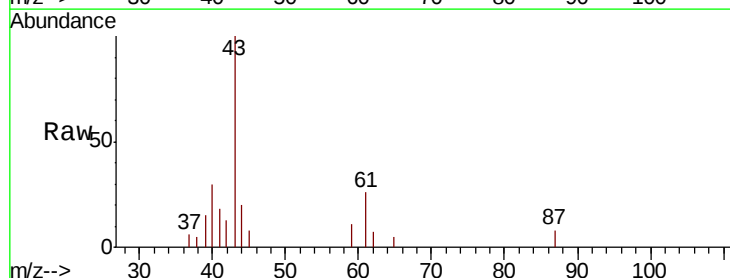
Manual Integrations
 APPROVED

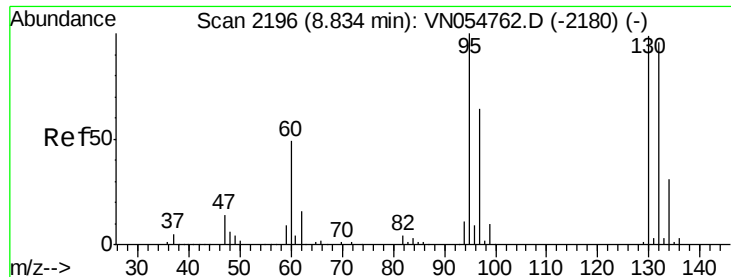
MMDadoda
 4/1/2019 3:59:52 PM



#43
 Isopropyl Acetate
 Concen: 0.774 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. -0.00 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

Tgt Ion	Ratio	Lower	Upper
43	100		
61	29.1	15.8	23.8#
87	5.9	12.0	18.0#





#44

Trichloroethene

Concen: 0.986 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 5294

Ion Ratio Lower Upper

130 100

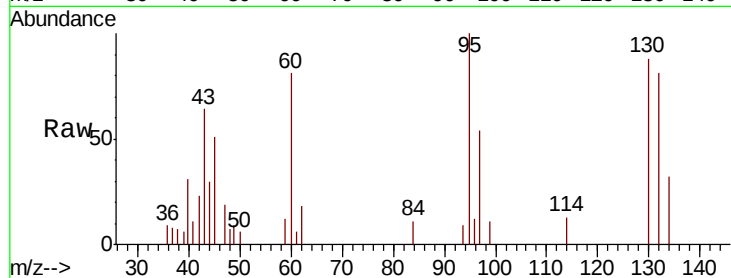
95 113.5 0.0 185.2

Manual Integrations

APPROVED

MMDadoda

4/1/2019 3:59:52 PM

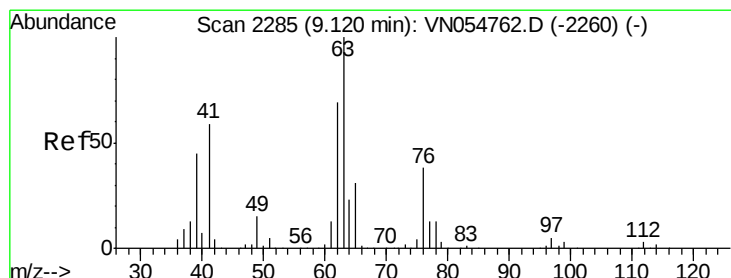
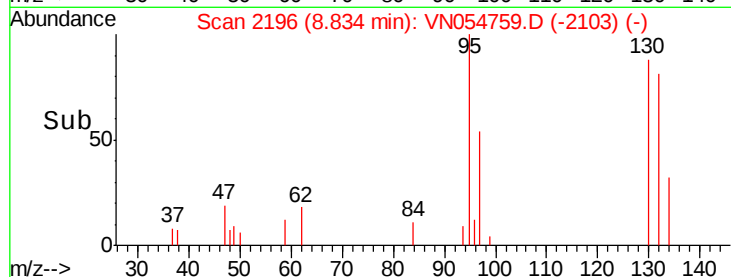


Abundance Ion 129.80 (129.50 to 130.50): VN054762.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN054762.D (-2180) (-)

8.83

Time-->



#45

1,2-Dichloropropane

Concen: 1.027 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054759.D

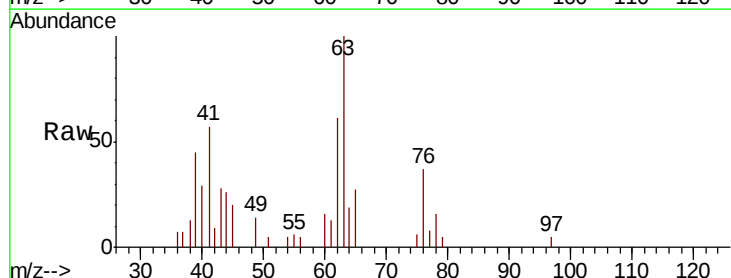
Acq: 29 Mar 2019 10:00

Tgt Ion: 63 Resp: 6056

Ion Ratio Lower Upper

63 100

65 27.3 25.0 37.6

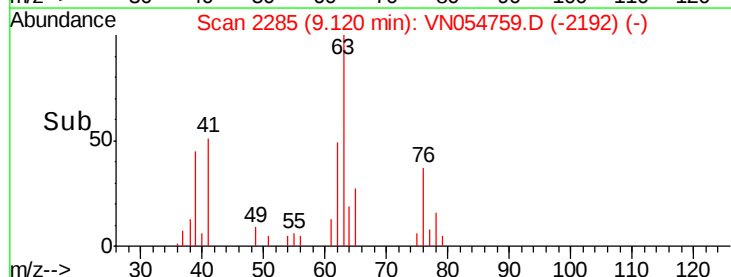


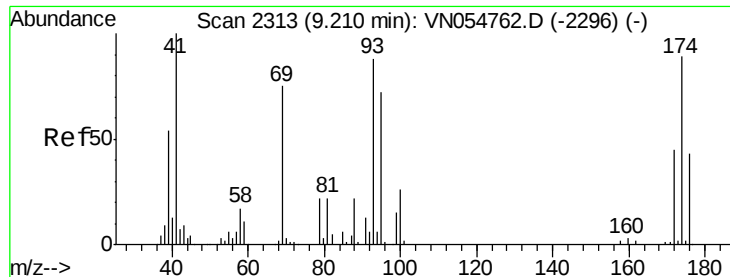
Abundance Ion 62.90 (62.60 to 63.60): VN054762.D (-2260) (-)

Ion 64.90 (64.60 to 65.60): VN054762.D (-2260) (-)

9.12

Time-->





#46

Dibromomethane

Concen: 1.032 ug/l

RT: 9.21 min Scan# 2314

Delta R.T. 0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 93 Resp: 3426

Ion Ratio Lower Upper

93 100

95 78.6 66.7 100.1

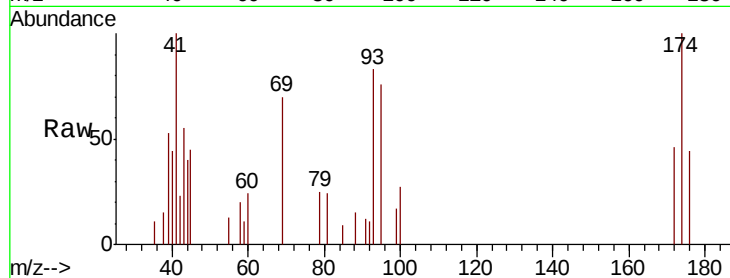
174 99.6 98.5 147.7

Manual Integrations

APPROVED

MMDadoda

4/1/2019 3:59:52 PM

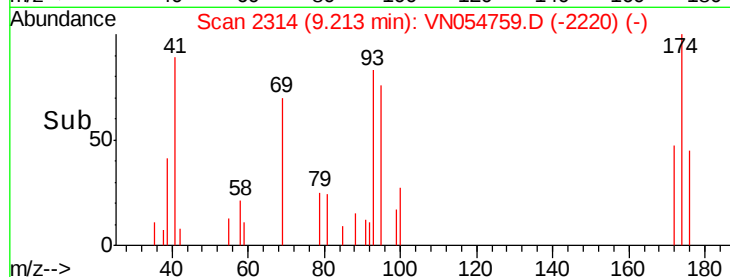


Abundance Ion 92.80 (92.50 to 93.50): VN054762.D (-2296) (-)

Ion 94.80 (94.50 to 95.50): VN054762.D (-2296) (-)

Ion 173.70 (173.40 to 174.40): VN054762.D (-2296) (-)

Time-->

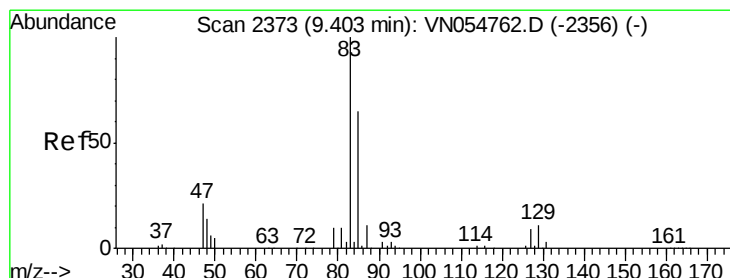


Abundance Ion 92.80 (92.50 to 93.50): VN054759.D (-2220) (-)

Ion 94.80 (94.50 to 95.50): VN054759.D (-2220) (-)

Ion 173.70 (173.40 to 174.40): VN054759.D (-2220) (-)

Time-->



#47

Bromodichloromethane

Concen: 0.930 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

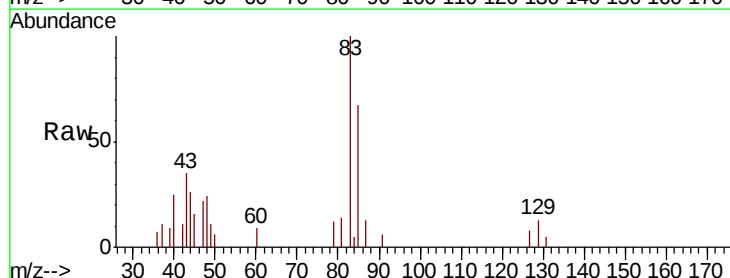
Tgt Ion: 83 Resp: 6412

Ion Ratio Lower Upper

83 100

85 67.3 52.8 79.2

127 8.3 7.4 11.2

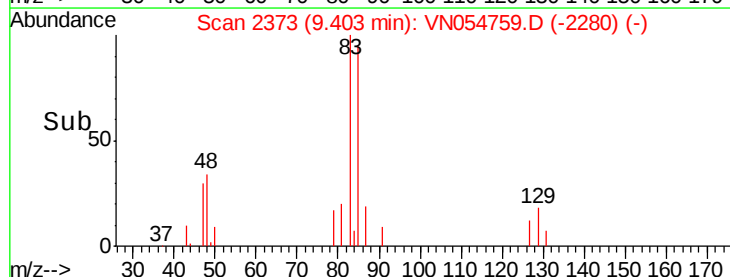


Abundance Ion 82.90 (82.60 to 83.60): VN054762.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN054762.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN054762.D (-2356) (-)

Time-->

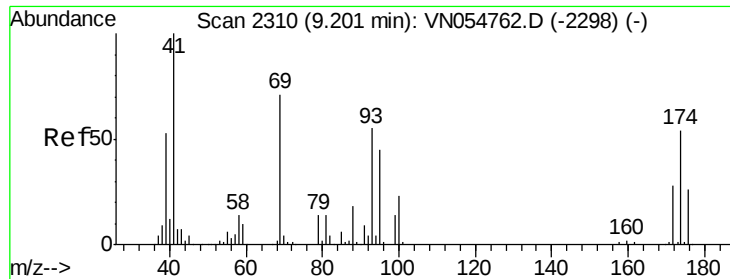


Abundance Ion 82.90 (82.60 to 83.60): VN054759.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054759.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054759.D (-2280) (-)

Time-->



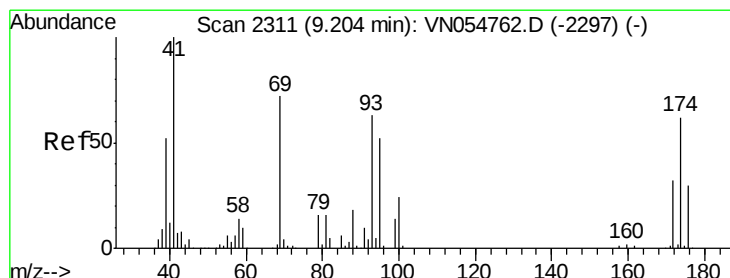
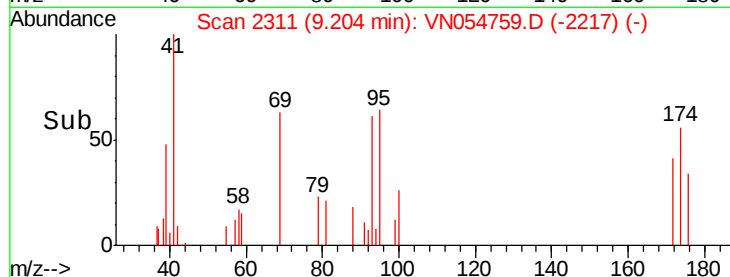
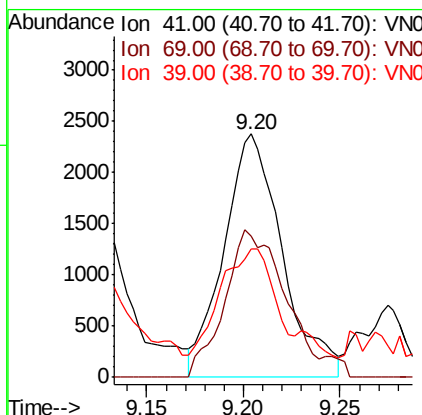
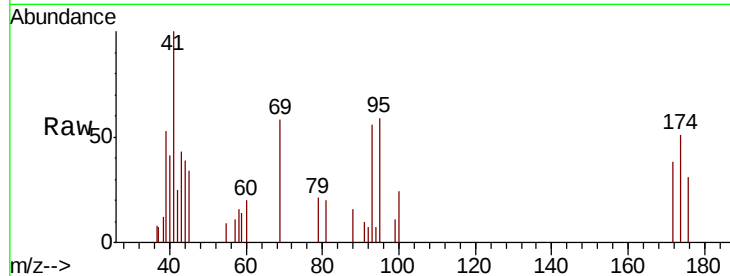
#48
Methyl methacrylate
Concen: 1.071 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	64.6	72.6	108.8#
39	39.3	47.5	71.3#

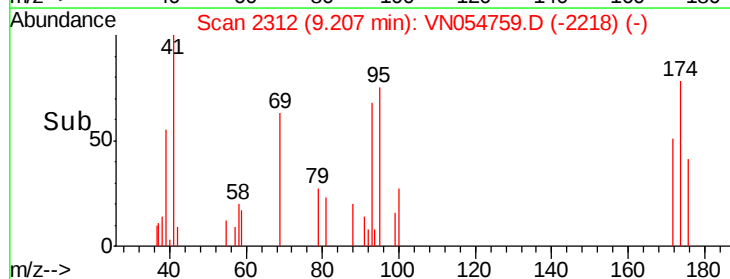
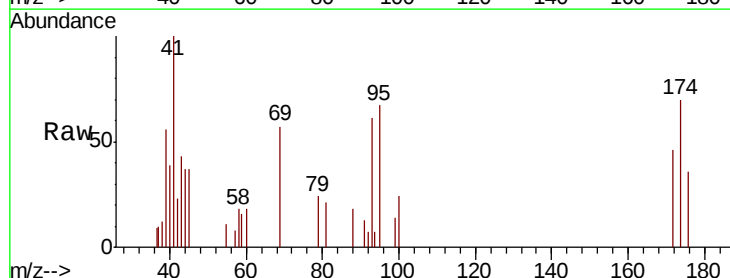
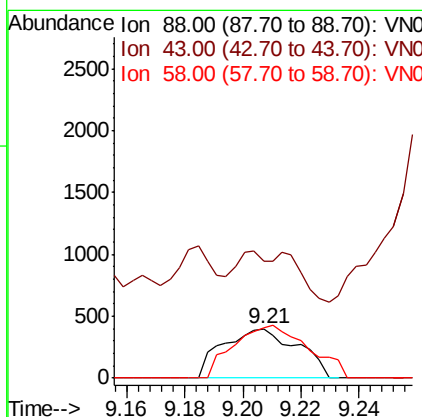
Manual Integrations
APPROVED

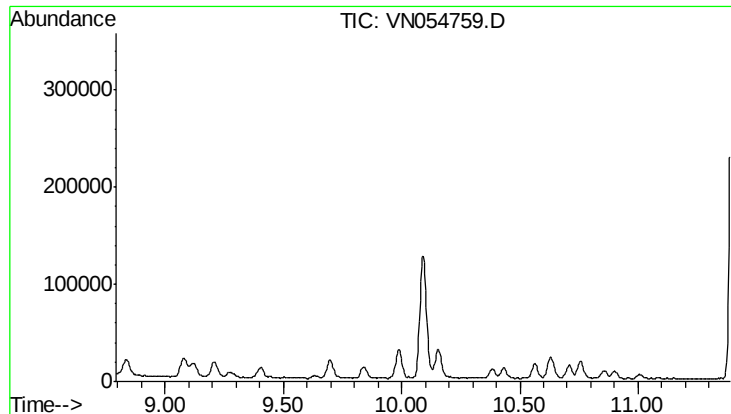
MMDadoda
4/1/2019 3:59:52 PM



#49
1,4-Dioxane
Concen: 15.429 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	24.1	36.1#
58	106.6	50.8	76.2#





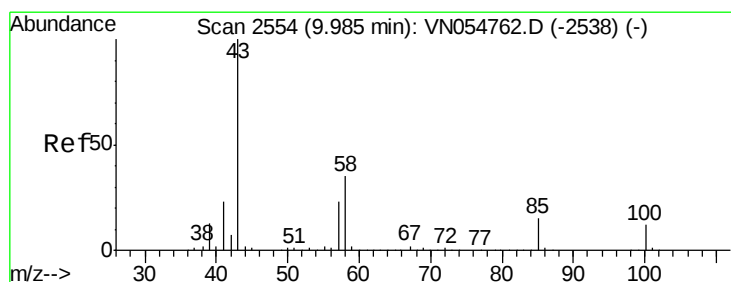
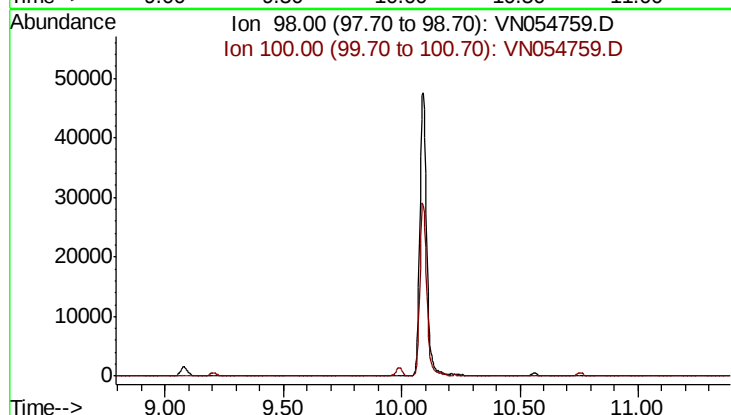
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.09 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.0

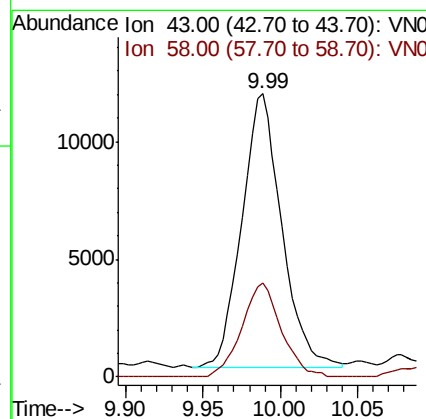
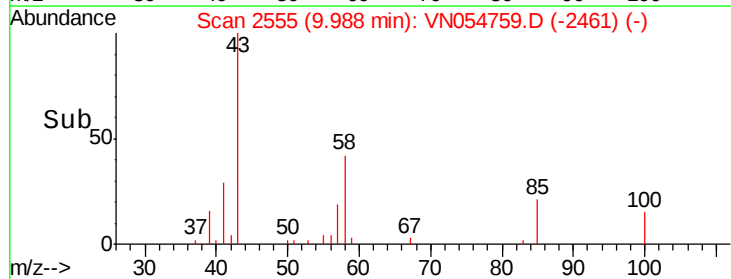
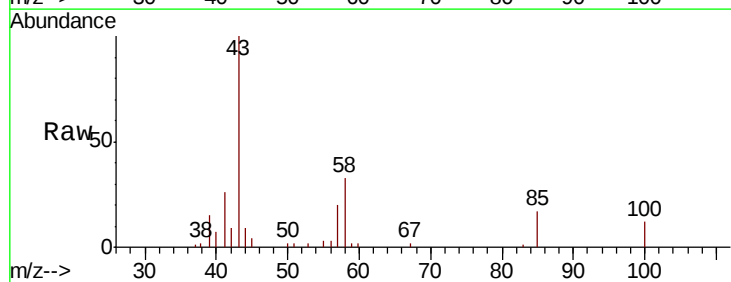
Manual Integrations
APPROVED

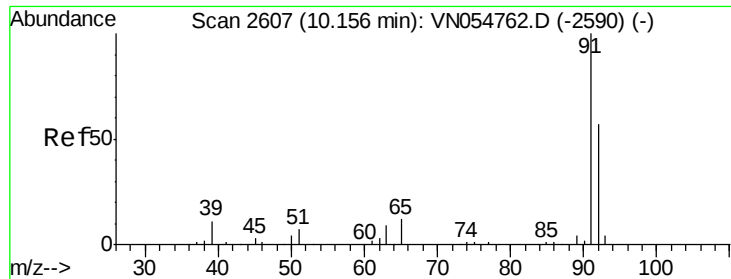
MMDadoda
4/1/2019 3:59:52 PM



#51
4-Methyl-2-Pentanone
Concen: 4.345 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Tgt Ion: 43 Resp: 21048
Ion Ratio Lower Upper
43 100
58 33.6 31.8 47.6





#52

Toluene

Concen: 0.996 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 92 Resp: 12258

Ion Ratio Lower Upper

92 100

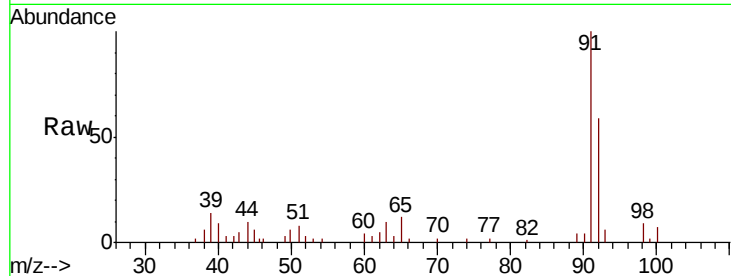
91 168.3 140.7 211.1

Manual Integrations

APPROVED

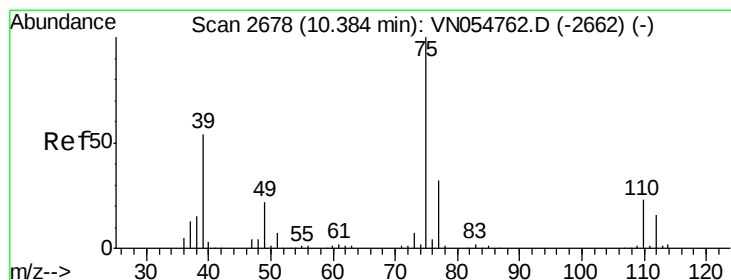
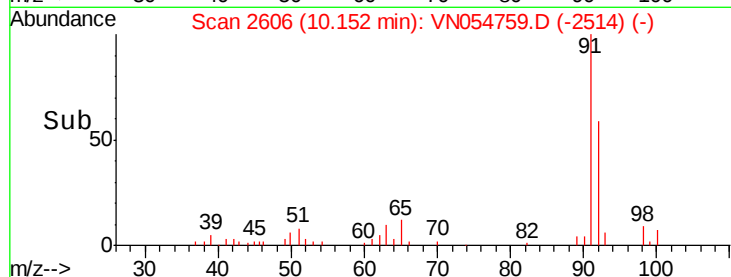
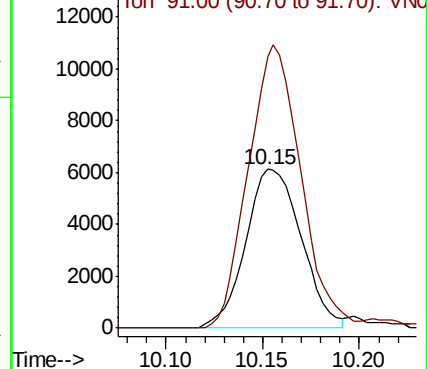
MMDadoda

4/1/2019 3:59:52 PM



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 0.800 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN054759.D

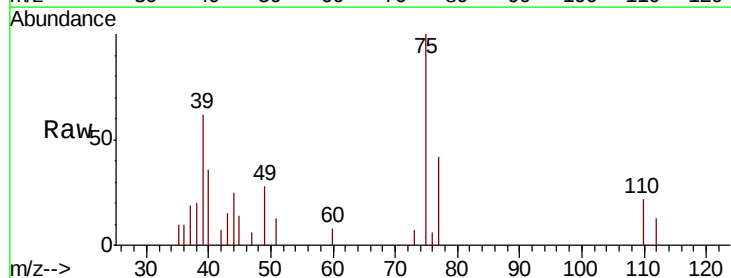
Acq: 29 Mar 2019 10:00

Tgt Ion: 75 Resp: 5193

Ion Ratio Lower Upper

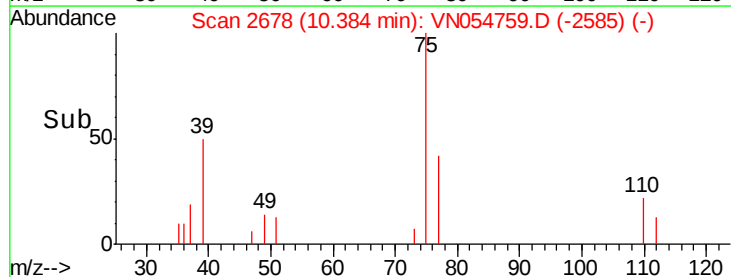
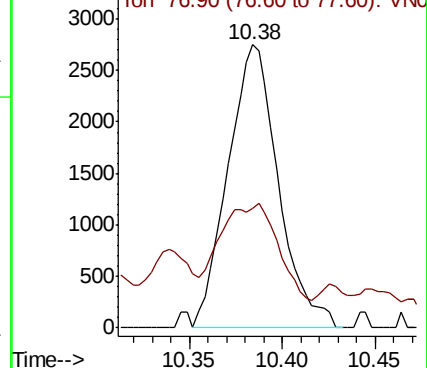
75 100

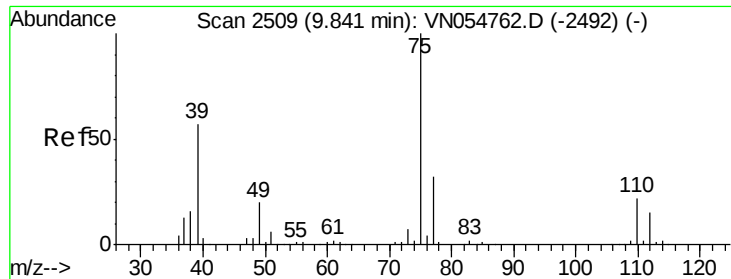
77 29.7 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#54

cis-1,3-Dichloropropene

Concen: 0.783 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

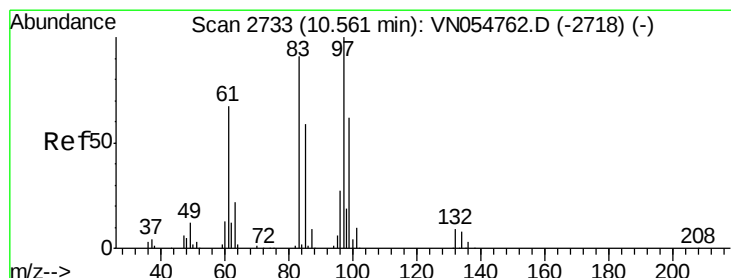
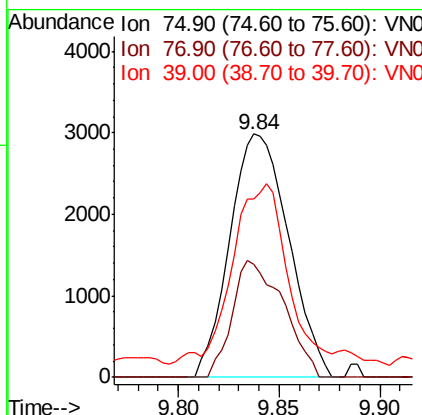
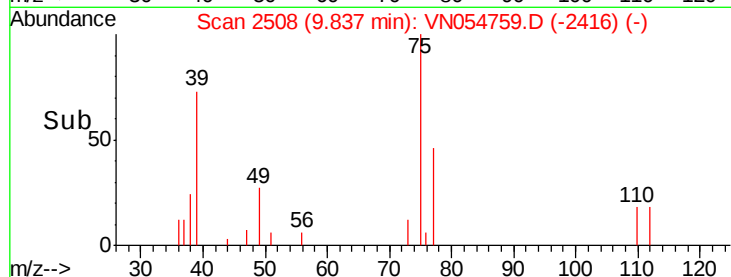
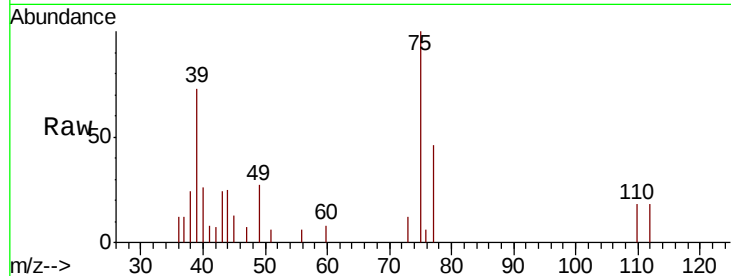
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	6068
Ion	Ratio	Lower	Upper
75	100		
77	46.5	25.4	38.0#
39	63.5	37.2	55.8#

Manual Integrations
APPROVED

MMDadoda
4/1/2019 3:59:52 PM



#55

1,1,2-Trichloroethane

Concen: 1.045 ug/l

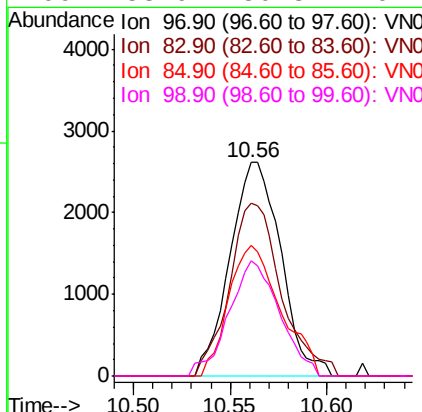
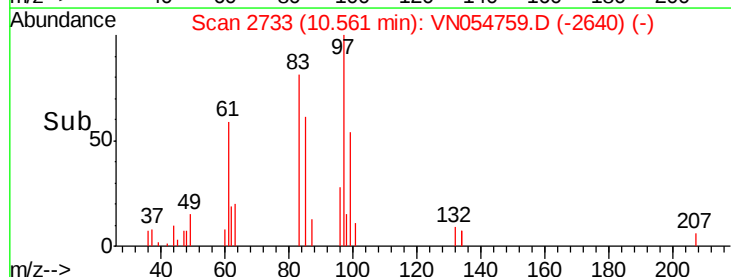
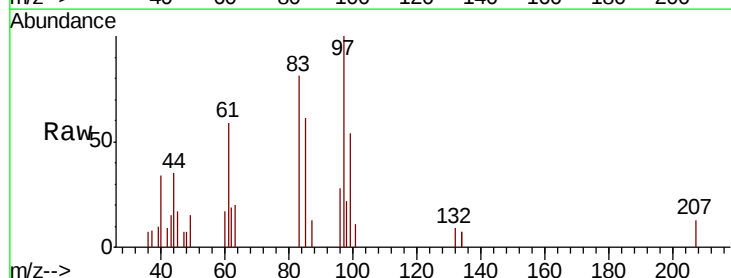
RT: 10.56 min Scan# 2733

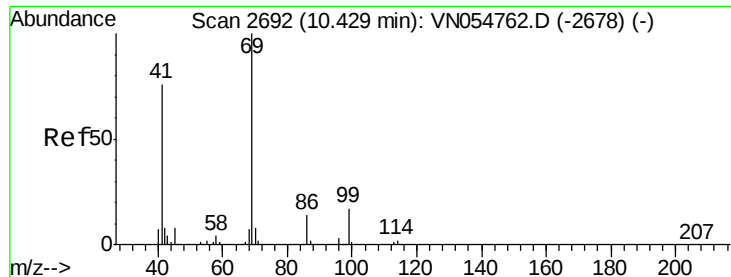
Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Tgt Ion:	97	Resp:	4783
Ion	Ratio	Lower	Upper
97	100		
83	80.9	66.6	100.0
85	60.9	44.4	66.6
99	53.9	50.8	76.2





#56

Ethyl methacrylate

Concen: 0.877 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

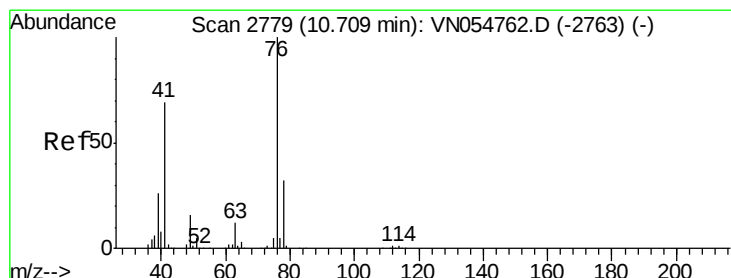
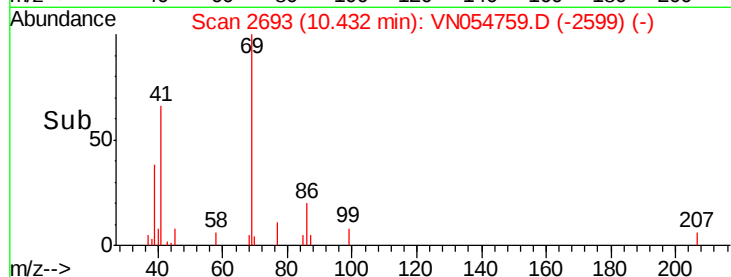
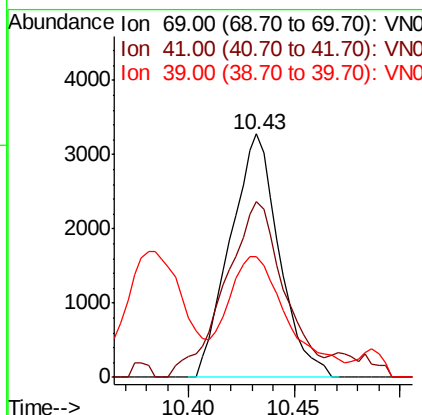
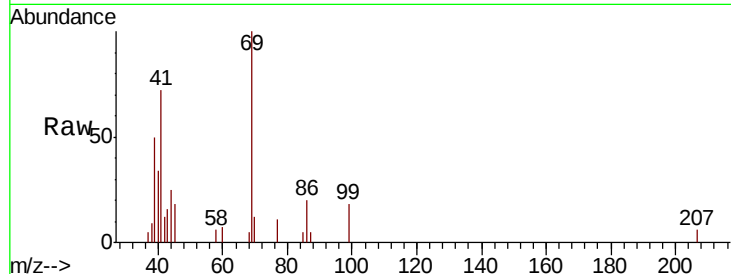
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	5264
Ion	Ratio	Lower	Upper
69	100		
41	87.5	49.4	74.2#
39	53.7	28.3	42.5#

Manual Integrations
APPROVED

MMDadoda
4/1/2019 3:59:52 PM



#57

1,3-Dichloropropane

Concen: 0.950 ug/l

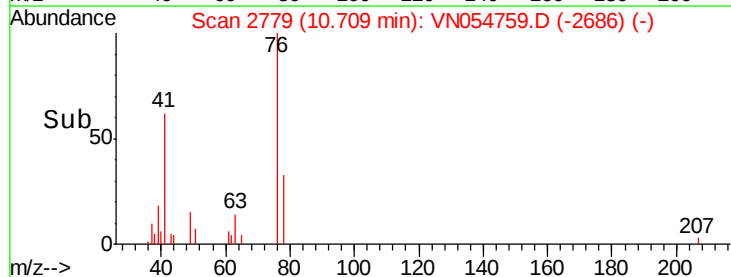
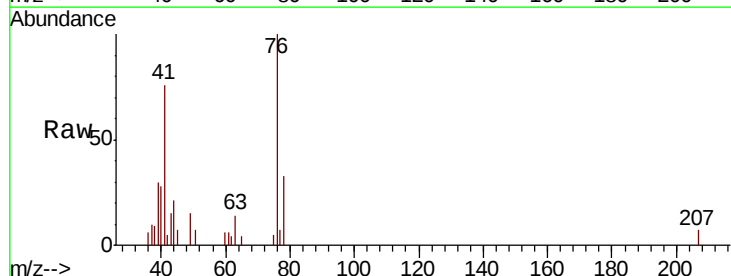
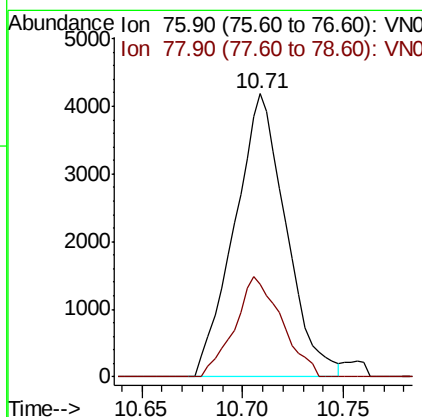
RT: 10.71 min Scan# 2779

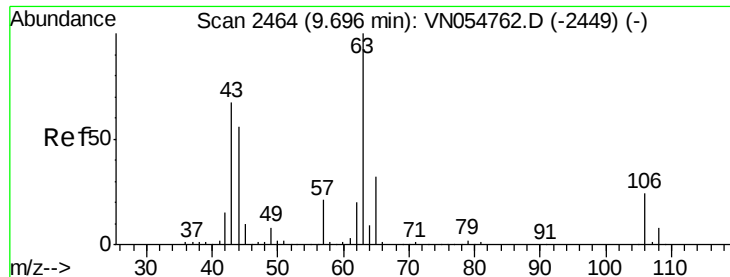
Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Tgt Ion:	76	Resp:	7475
Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.7	38.5





#58

2-Chloroethyl Vinyl ether

Concen: 3.731 ug/l

RT: 9.70 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 63 Resp: 8592

Ion Ratio Lower Upper

63 100

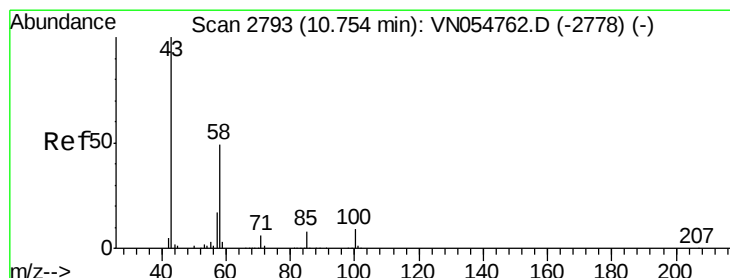
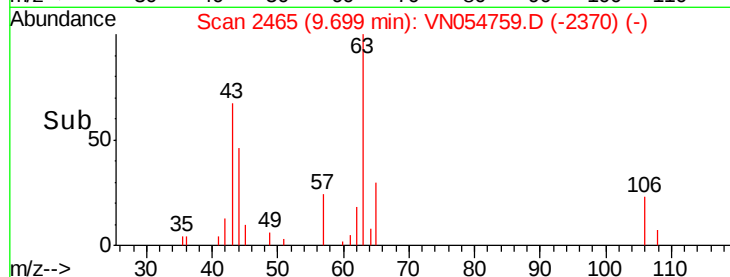
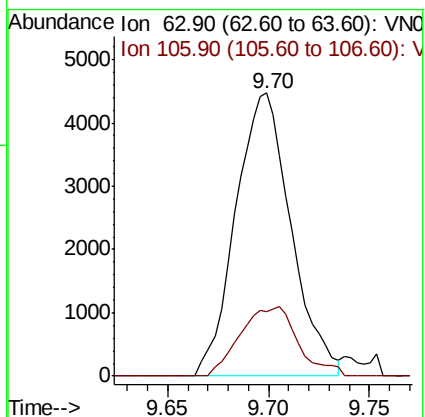
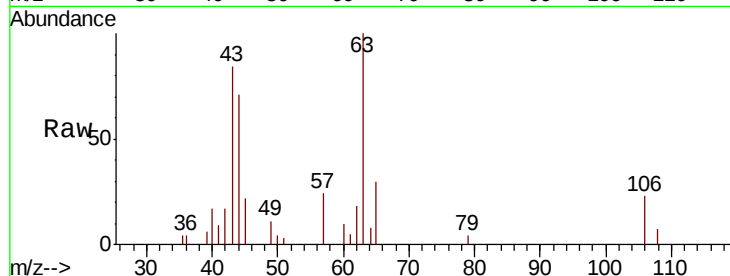
106 25.6 24.4 36.6

Manual Integrations

APPROVED

MMDadoda

4/1/2019 3:59:52 PM



#59

2-Hexanone

Concen: 4.356 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN054759.D

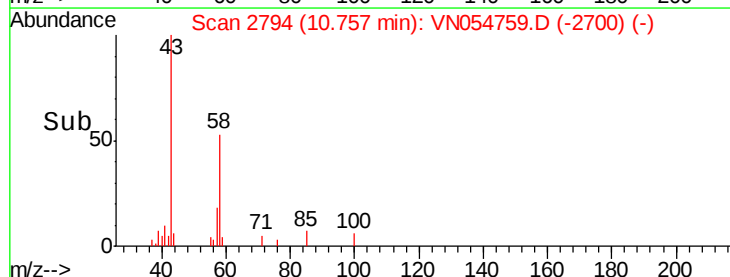
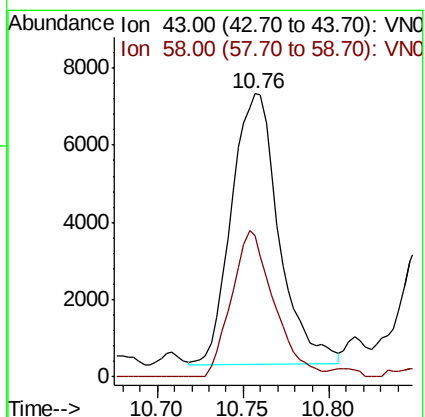
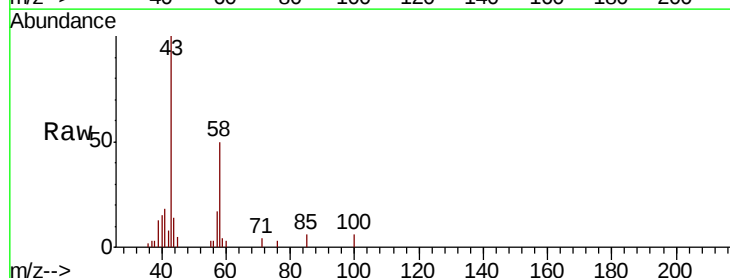
Acq: 29 Mar 2019 10:00

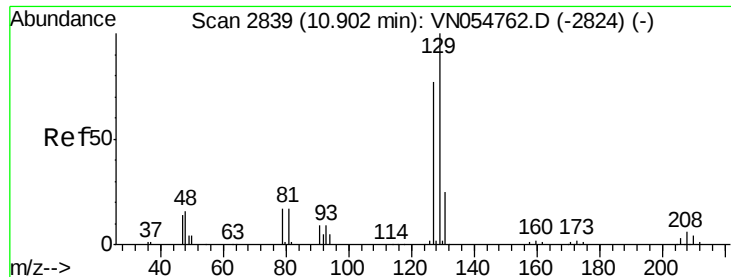
Tgt Ion: 43 Resp: 13508

Ion Ratio Lower Upper

43 100

58 48.3 28.0 83.9





#60

Dibromochloromethane

Concen: 0.834 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 3869

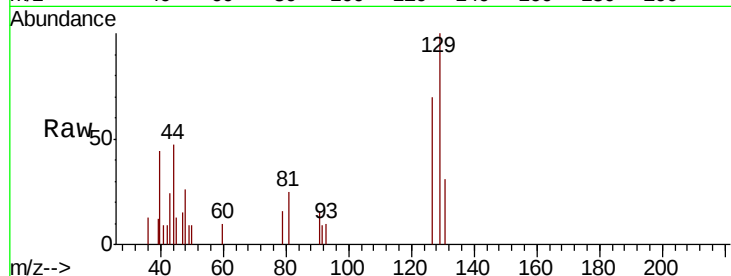
Ion Ratio Lower Upper

129 100

127 68.2 38.6 115.8

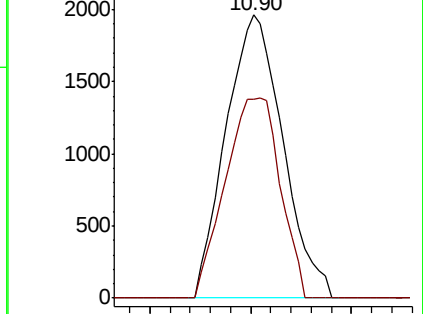
Manual Integrations
APPROVED

MMDadoda
4/1/2019 3:59:52 PM

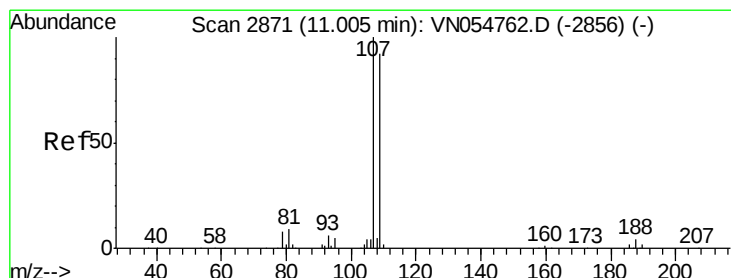
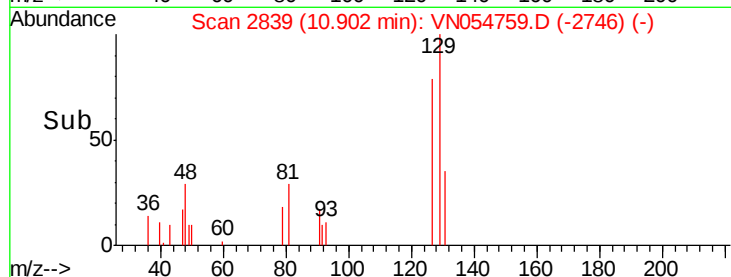


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time-->



#61

1,2-Dibromoethane

Concen: 0.936 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054759.D

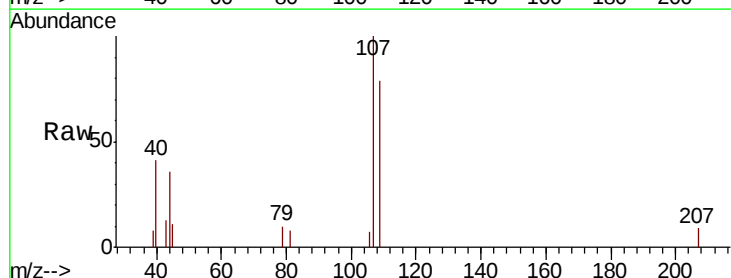
Acq: 29 Mar 2019 10:00

Tgt Ion:107 Resp: 4094

Ion Ratio Lower Upper

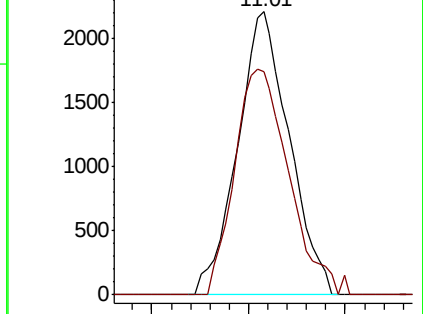
107 100

109 83.8 75.9 113.9

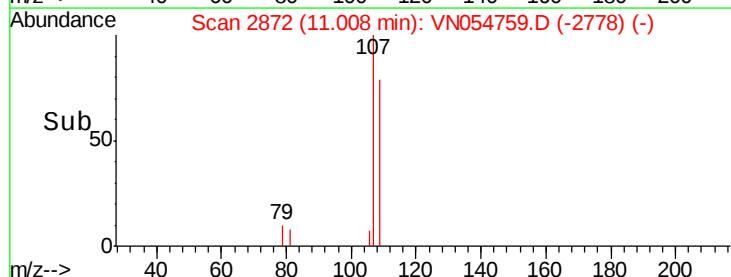


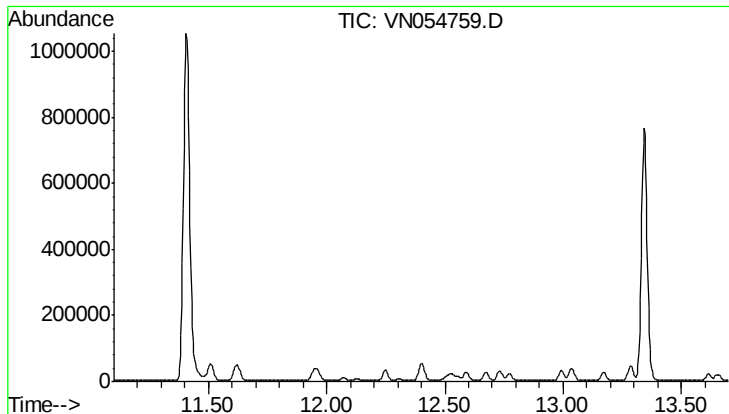
Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 12.40 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Tot Ion: 95

Sig Exp Ratio

95 100

174 95.5

176 93.7

Instrument :

MSVOA_N

ClientSampleId :

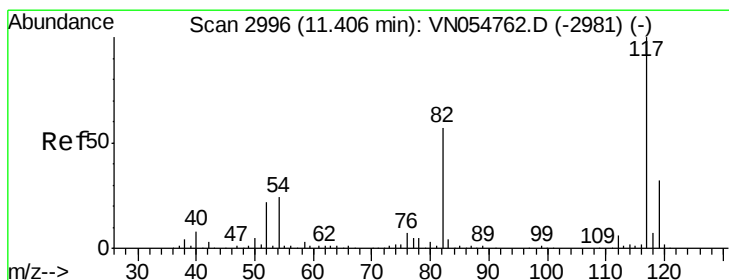
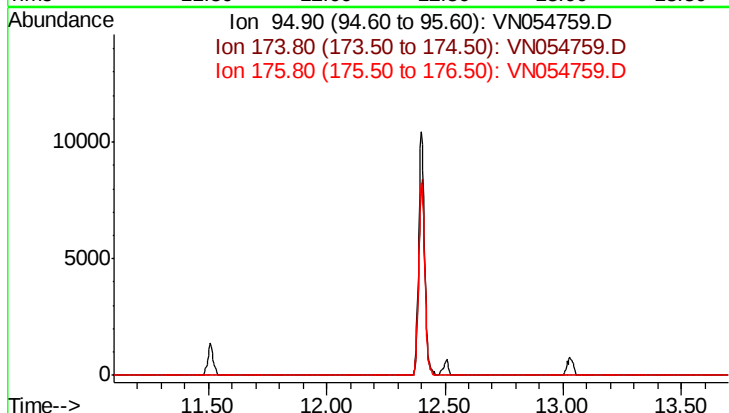
VSTDIC001

Manual Integrations

APPROVED

MMDadoda

4/1/2019 3:59:52 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

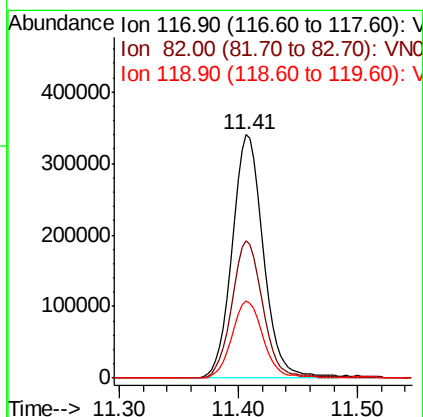
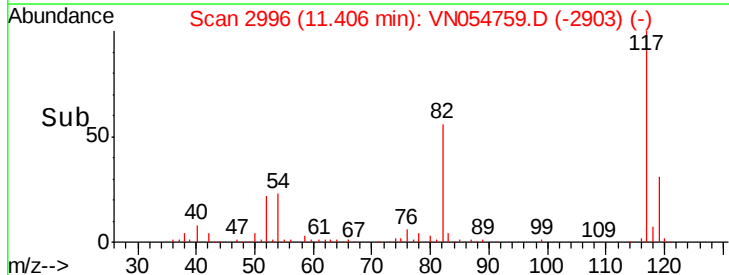
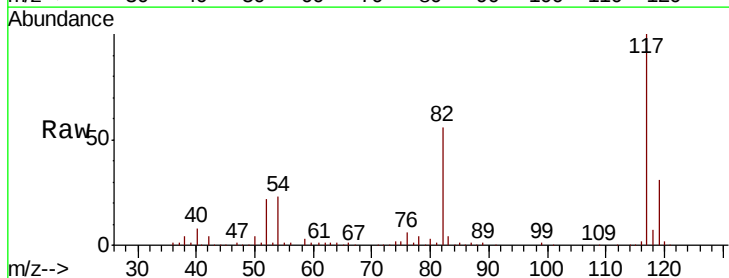
Tgt Ion:117 Resp: 619166

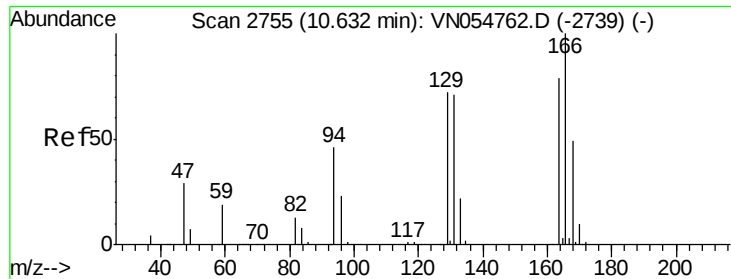
Ion Ratio Lower Upper

117 100

82 56.3 40.0 60.0

119 31.5 25.8 38.6





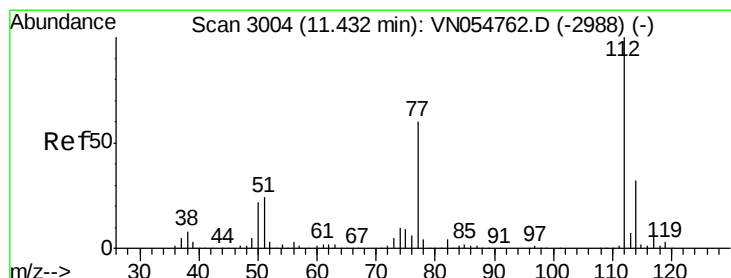
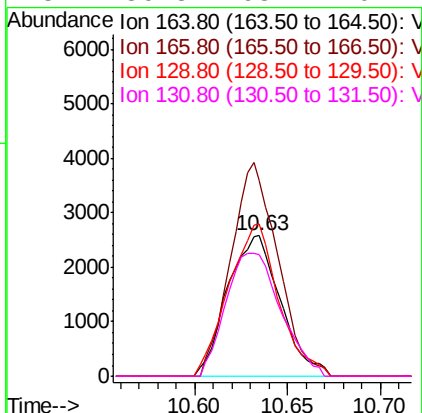
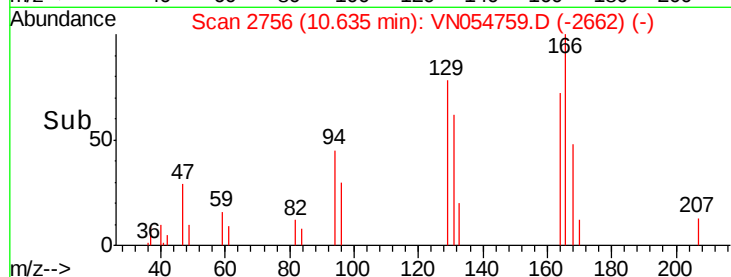
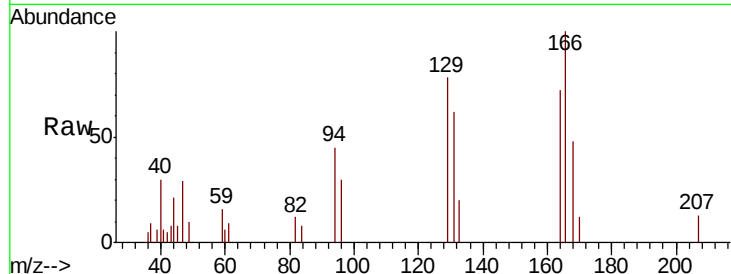
#64
Tetrachloroethene
Concen: 1.070 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
164	100		
166	138.9	103.9	155.9
129	108.2	71.1	106.7
131	86.3	68.2	102.4

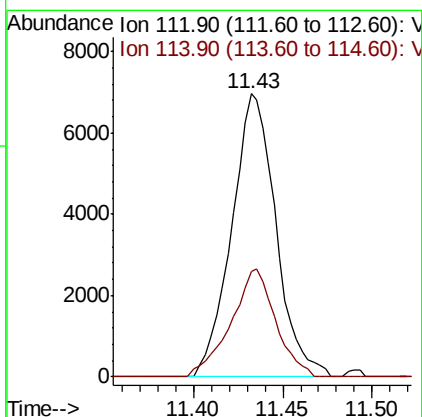
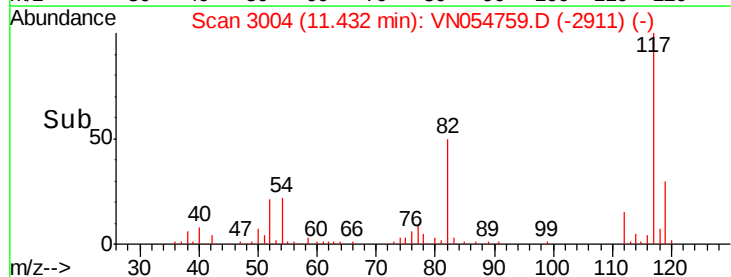
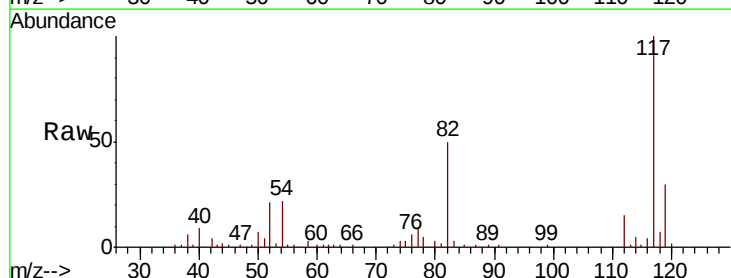
Manual Integrations
APPROVED

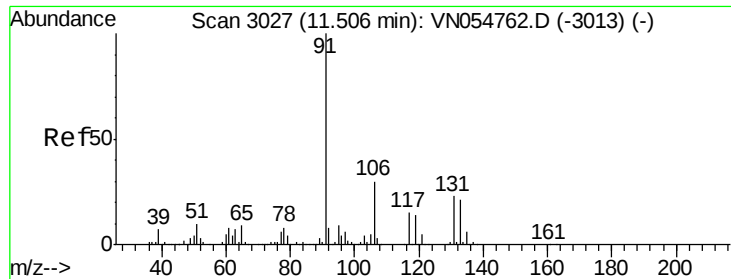
MMDadoda
4/1/2019 3:59:52 PM



#65
Chlorobenzene
Concen: 0.990 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Tgt Ion	Ratio	Lower	Upper
112	100		
114	37.4	25.9	38.9





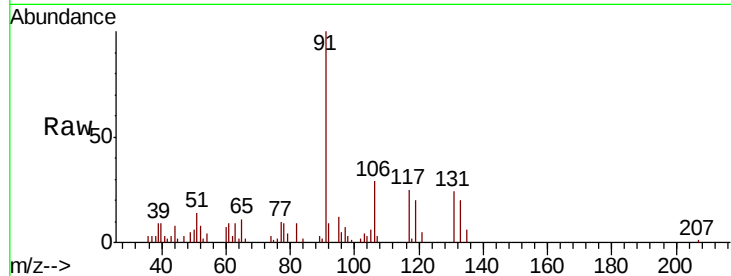
#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.952 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	92.9	47.6	142.9
119	0.0	32.4	97.0

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 3:59:52 PM

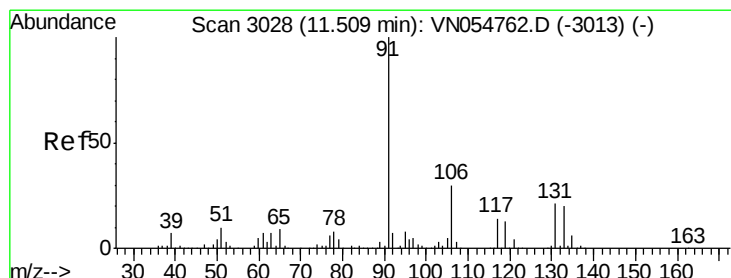
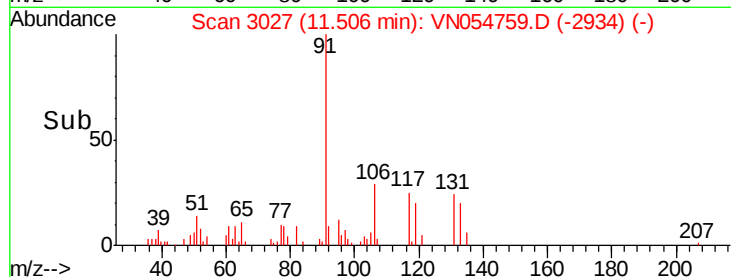
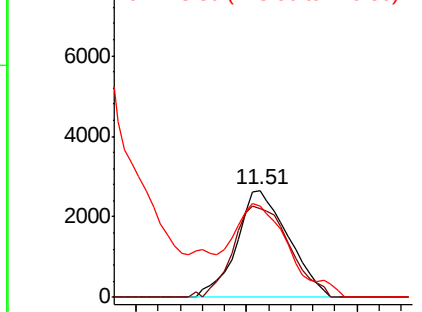


Abundance

Ion 130.80 (130.50 to 131.50): V

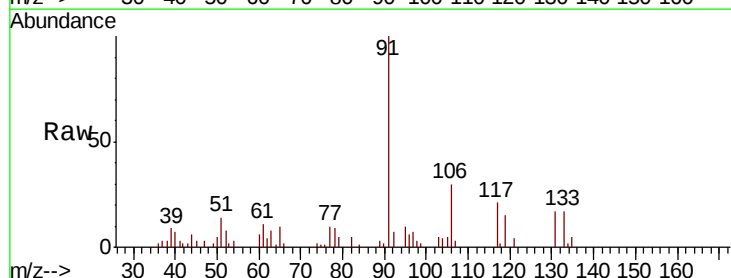
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67
 Ethyl Benzene
 Concen: 0.972 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

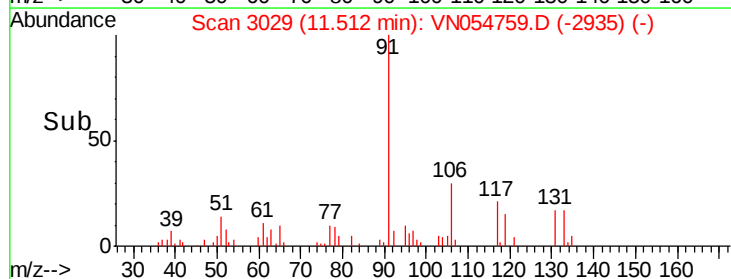
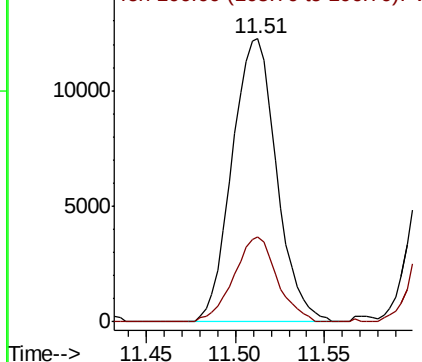
Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.5	38.3

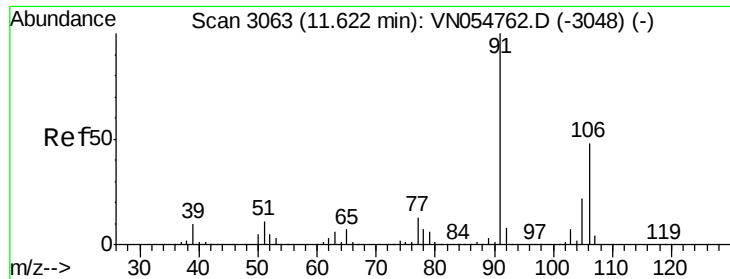


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





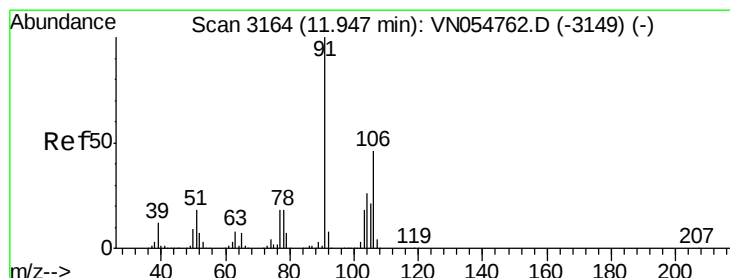
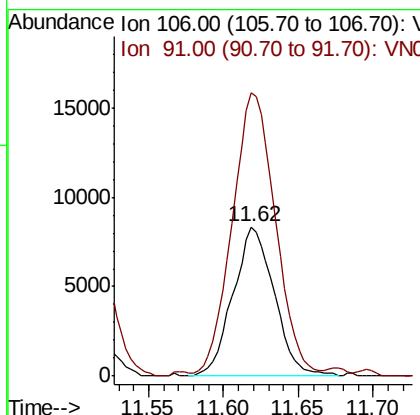
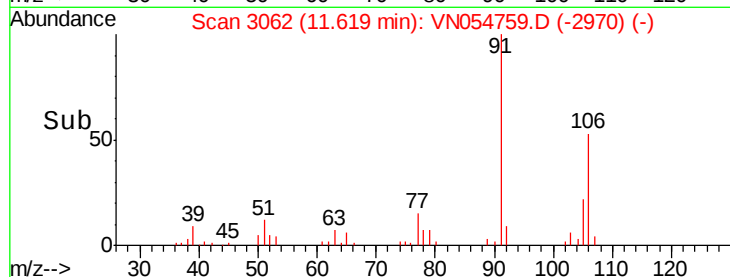
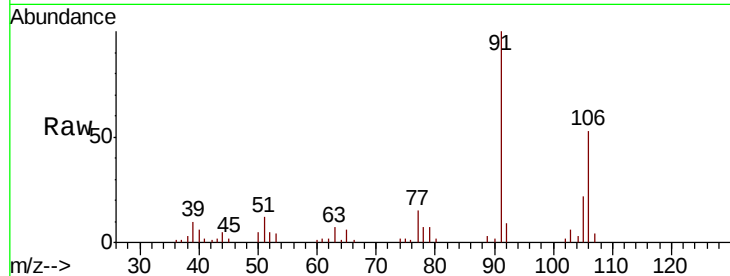
#68
m/p-Xylenes
Concen: 1.985 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 16073
Ion Ratio Lower Upper
106 100
91 193.8 159.4 239.2

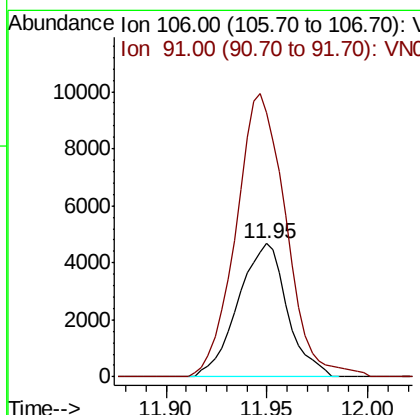
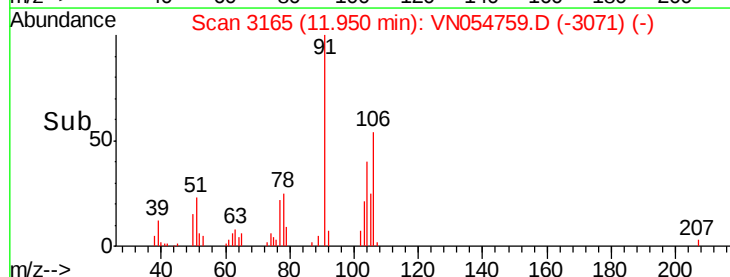
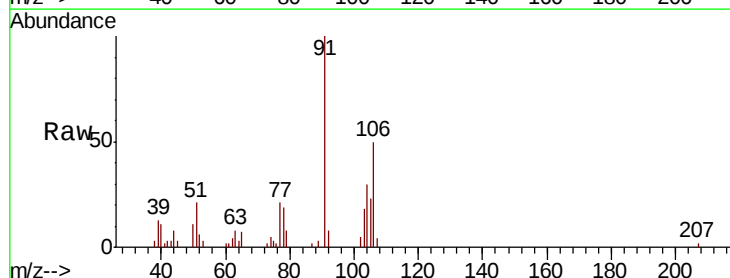
Manual Integrations
APPROVED

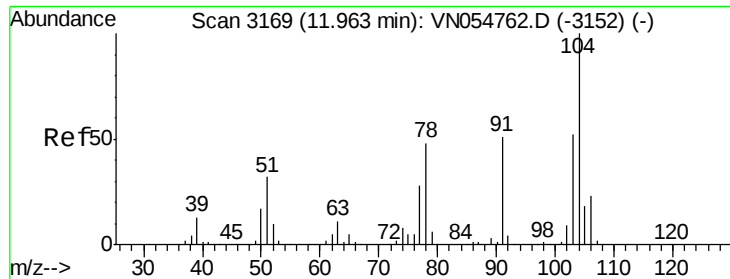
MMDadoda
4/1/2019 3:59:52 PM



#69
o-Xylene
Concen: 1.004 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Tgt Ion:106 Resp: 7971
Ion Ratio Lower Upper
106 100
91 216.4 105.7 317.1





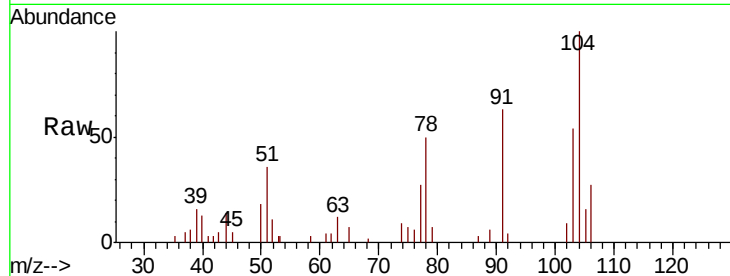
#70
Stvrene
Concen: 0.865 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.8	38.2	57.2
103	55.5	44.4	66.6

Manual Integrations
APPROVED

MMDadoda
4/1/2019 3:59:52 PM

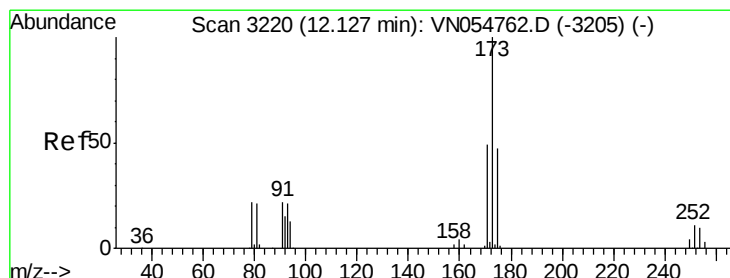
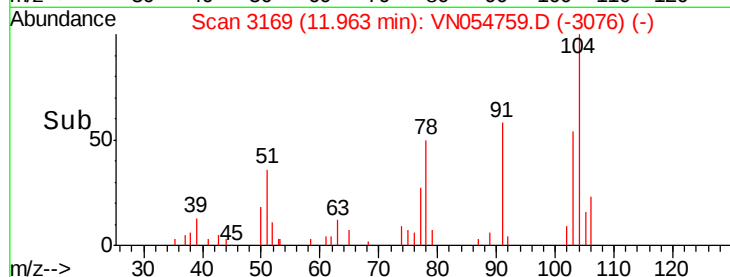
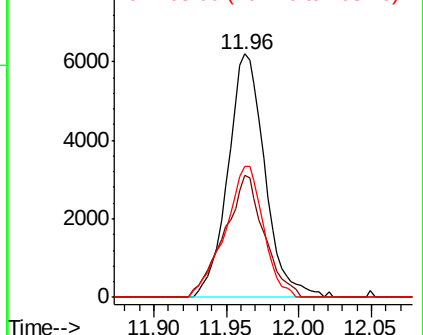


Abundance

Ion 104.00 (103.70 to 104.70): V

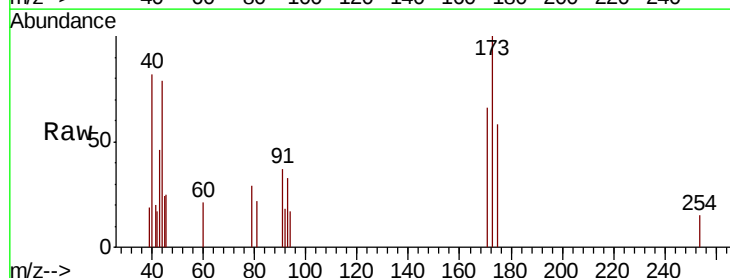
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71
Bromoform
Concen: 0.788 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.6	24.4	73.2
254	0.0	0.1	0.1#

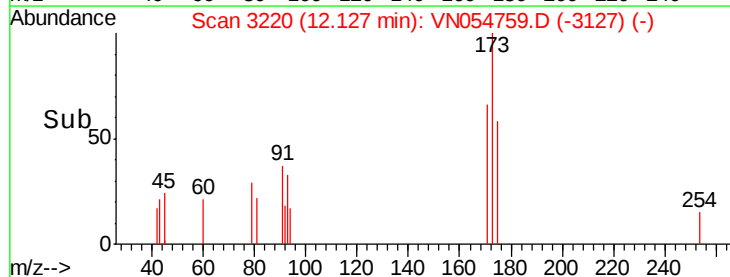
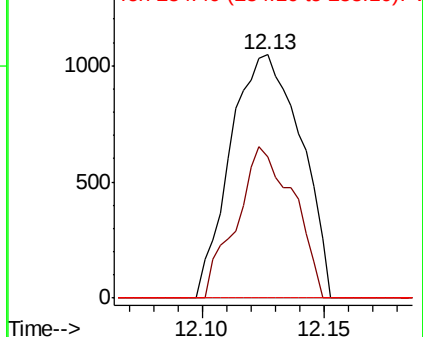


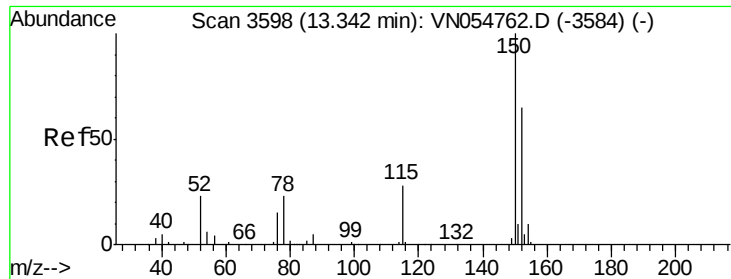
Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

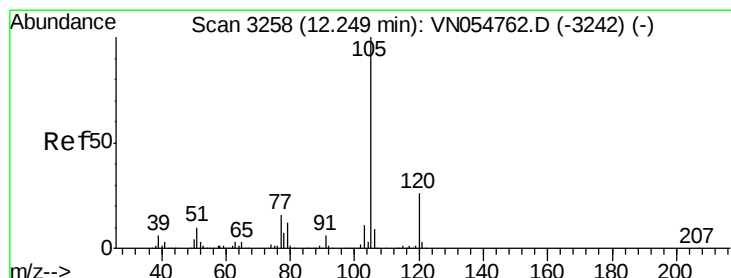
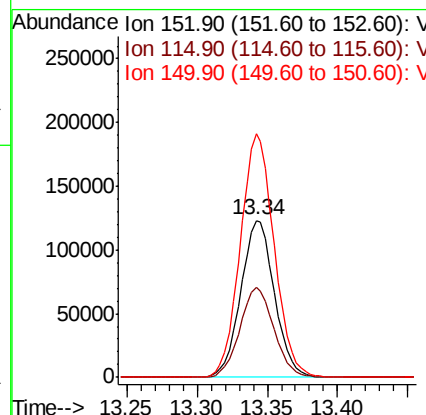
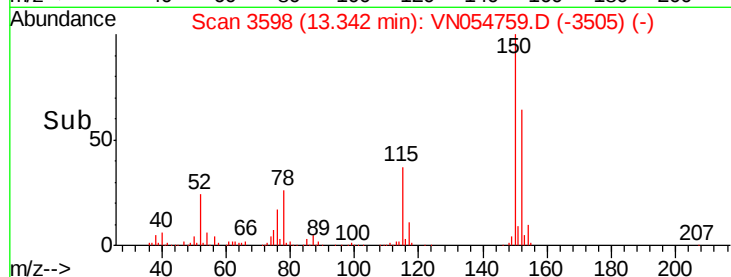
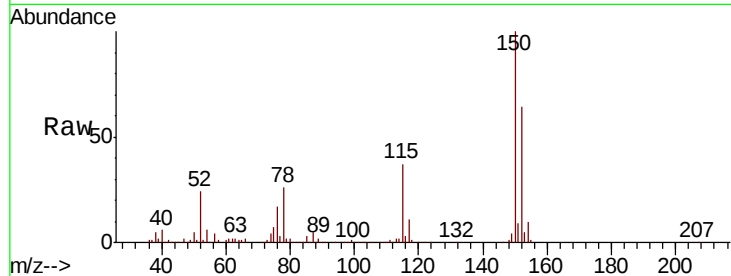
ClientSampleId :

VSTDIC001

Tot Ion:	152	Resp:	205265
Ion	Ratio	Lower	Upper
152	100		
115	58.0	27.2	81.6
150	156.5	0.0	349.2

Manual Integrations
APPROVED

MMDadoda
4/1/2019 3:59:52 PM



#73

Isopropylbenzene

Concen: 1.159 ug/l

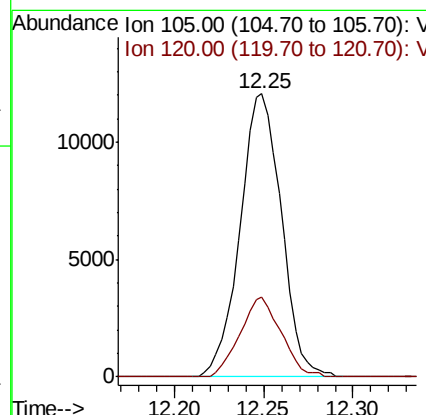
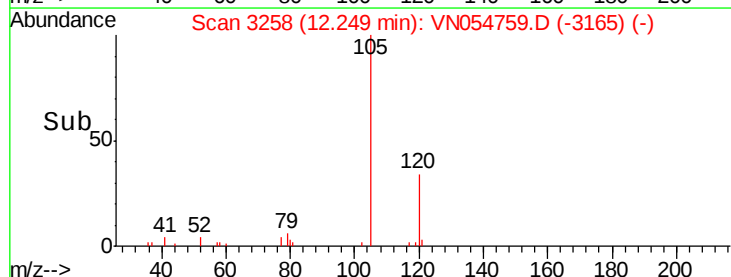
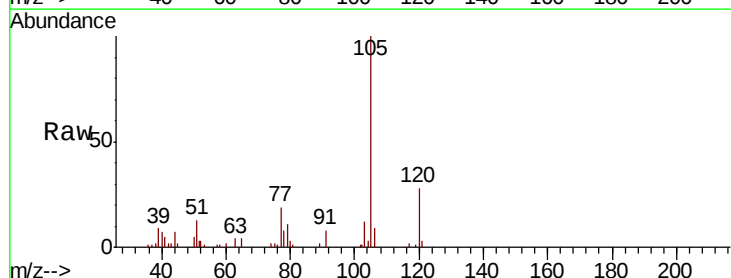
RT: 12.25 min Scan# 3258

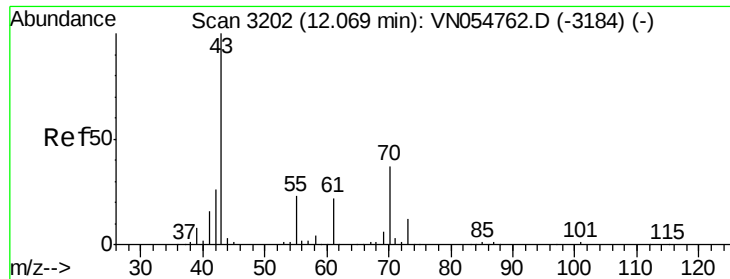
Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Tgt Ion:	105	Resp:	19443
Ion	Ratio	Lower	Upper
105	100		
120	28.0	13.8	41.3





#74

N-amvl acetate

Concen: 1.060 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

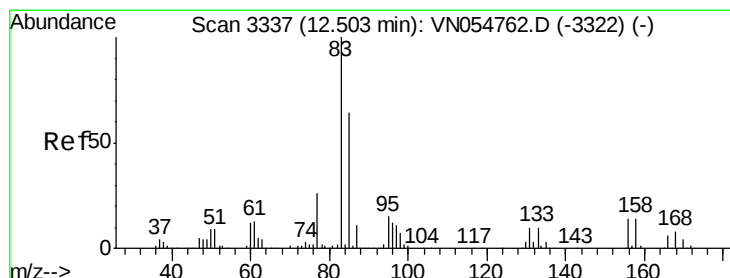
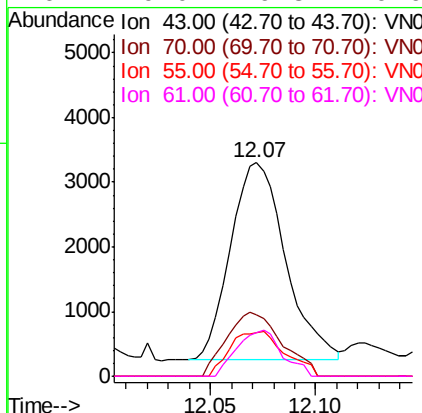
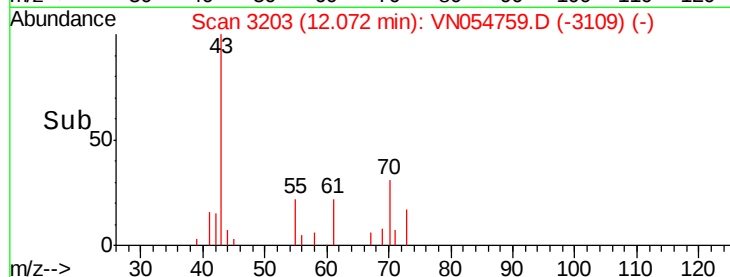
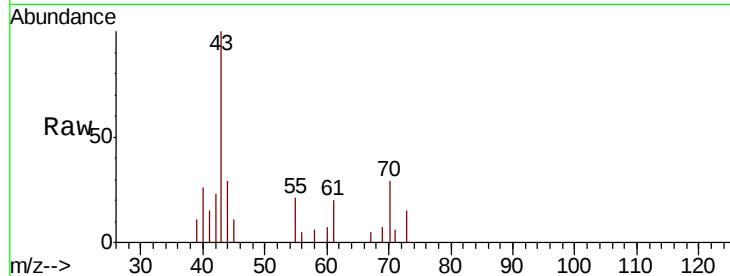
ClientSampled :

VSTDIC001

Tot Ion:	43	Resp:	5539
Ion	Ratio	Lower	Upper
43	100		
70	32.4	35.4	53.0#
55	22.4	19.8	29.6
61	19.0	19.8	29.6#

Manual Integrations
APPROVED

MMDadoda
4/1/2019 3:59:52 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 1.243 ug/l

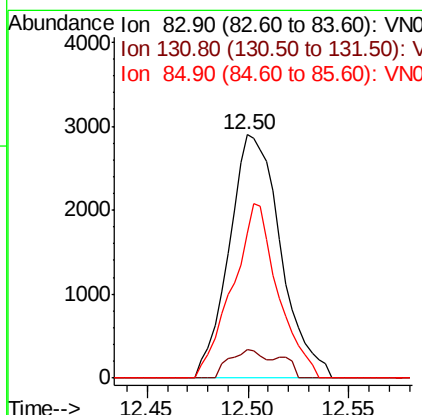
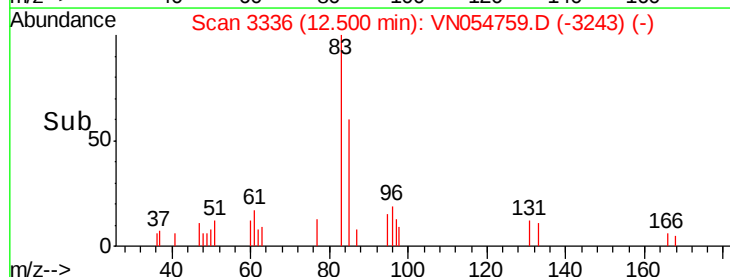
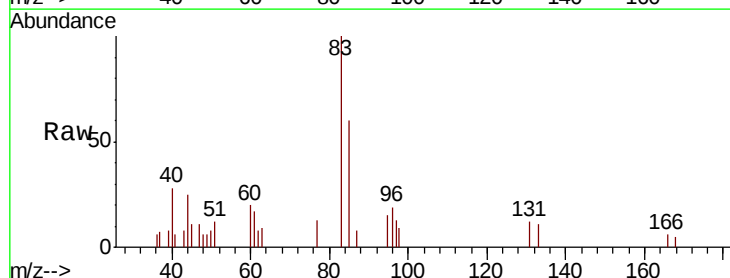
RT: 12.50 min Scan# 3336

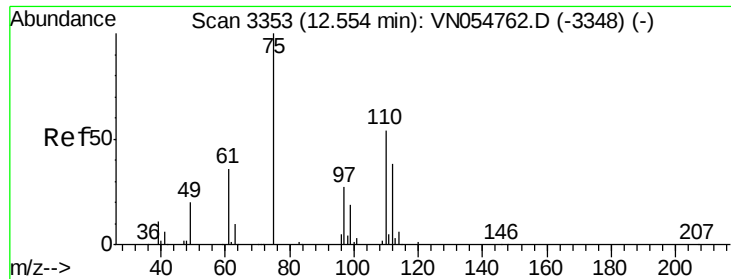
Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Tgt Ion:	83	Resp:	5180
Ion	Ratio	Lower	Upper
83	100		
131	7.7	5.8	17.4
85	63.1	32.2	96.6





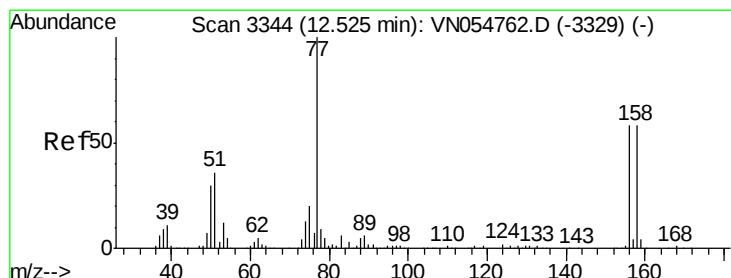
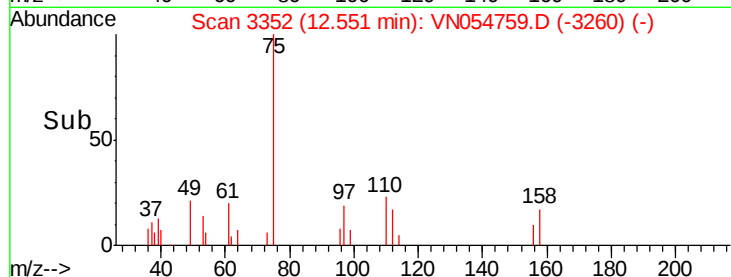
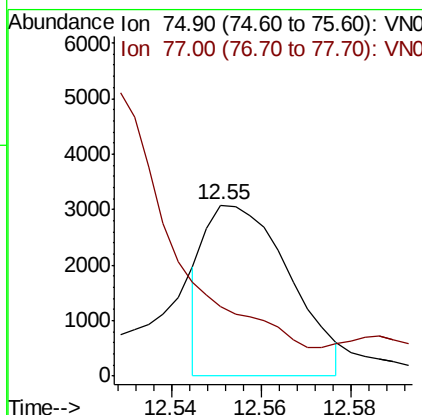
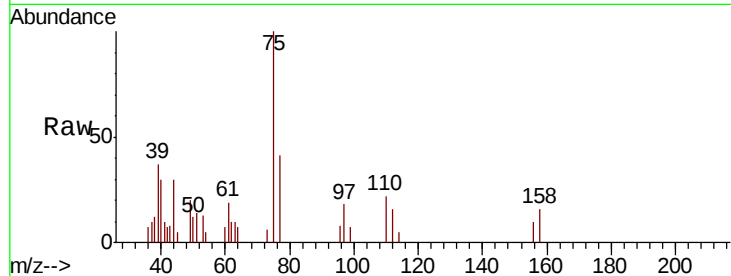
#76
 1,2,3-Trichloropropane
 Concen: 1.178 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 4060
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

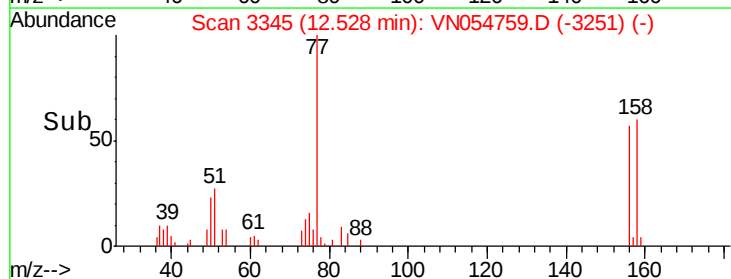
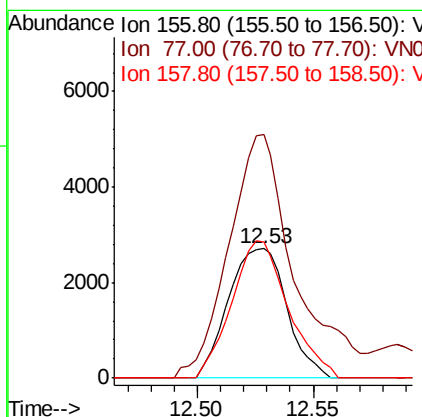
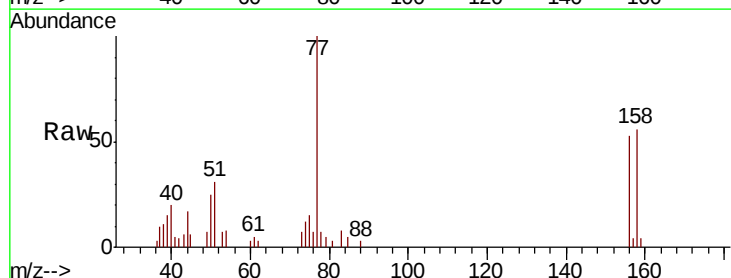
Manual Integrations
 APPROVED

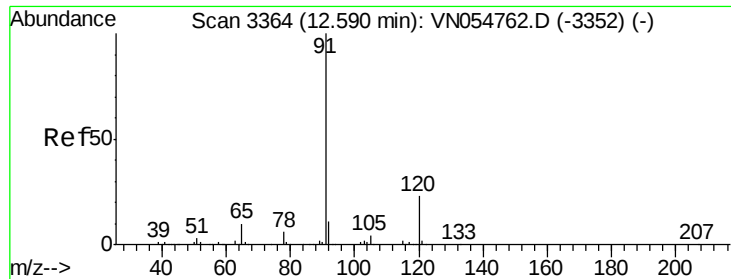
MMDadoda
 4/1/2019 3:59:52 PM



#77
 Bromobenzene
 Concen: 1.168 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

Tgt Ion: 156 Resp: 4731
 Ion Ratio Lower Upper
 156 100
 77 212.0 81.5 244.4
 158 102.7 49.0 147.2





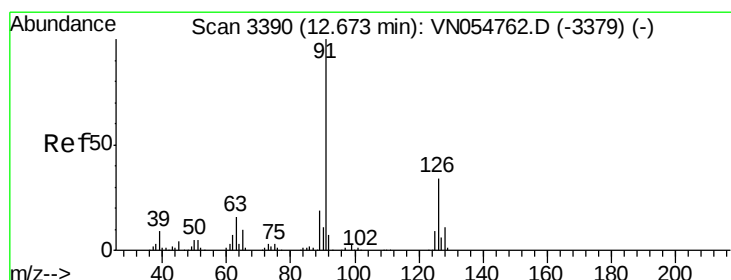
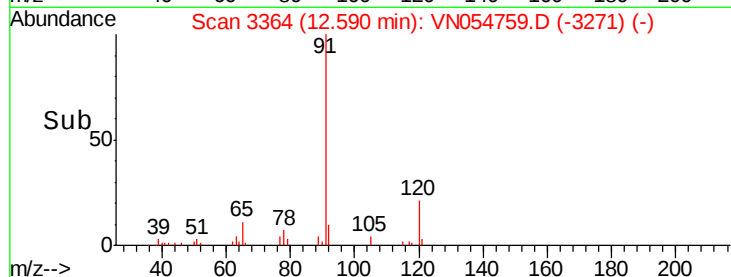
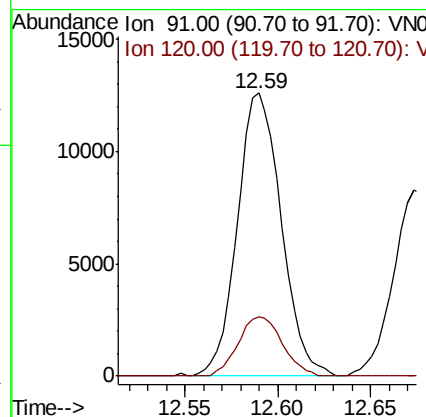
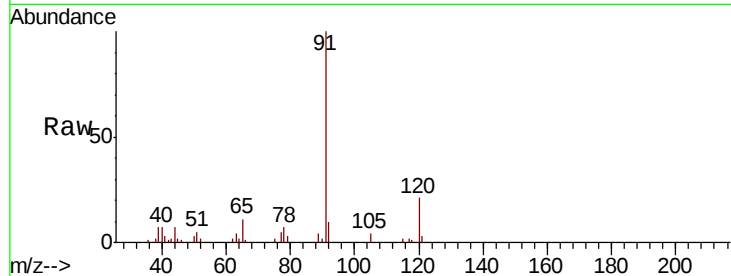
#78
n-propylbenzene
Concen: 1.122 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 20694
Ion Ratio Lower Upper
91 100
120 21.2 12.3 36.9

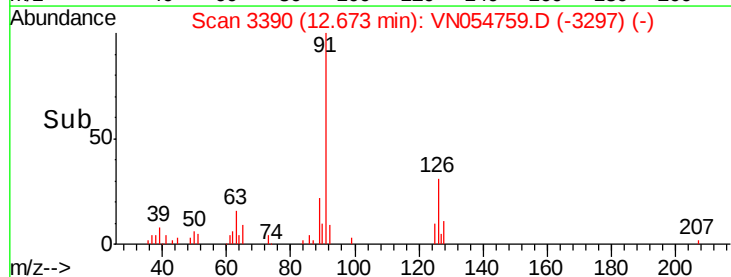
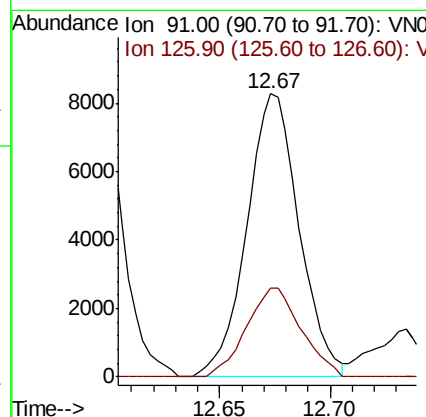
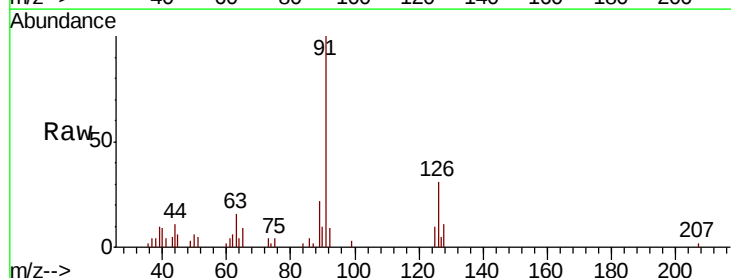
Manual Integrations
APPROVED

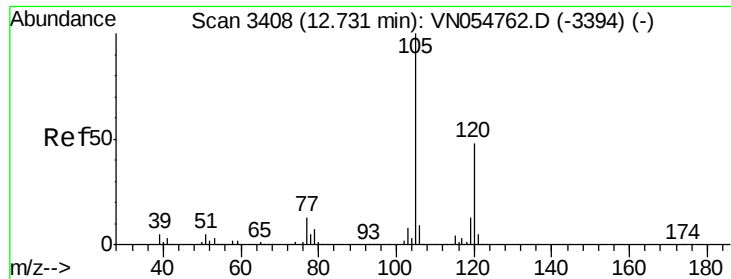
MMDadoda
4/1/2019 3:59:52 PM



#79
2-Chlorotoluene
Concen: 1.198 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Tgt Ion: 91 Resp: 13666
Ion Ratio Lower Upper
91 100
126 32.7 18.7 56.1





#80

1,3,5-Trimethylbenzene

Concen: 1.162 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:105 Resp: 15993

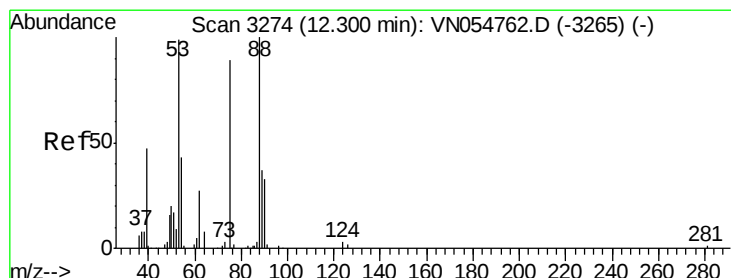
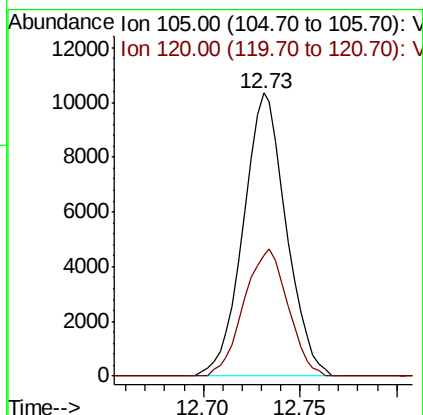
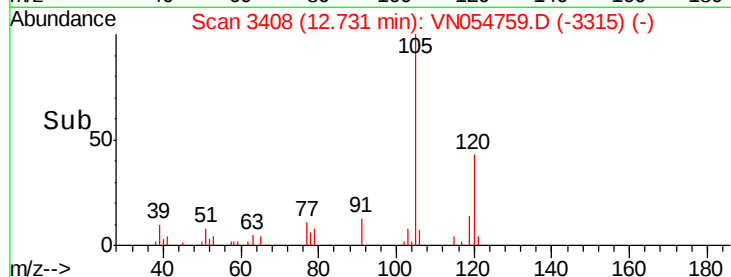
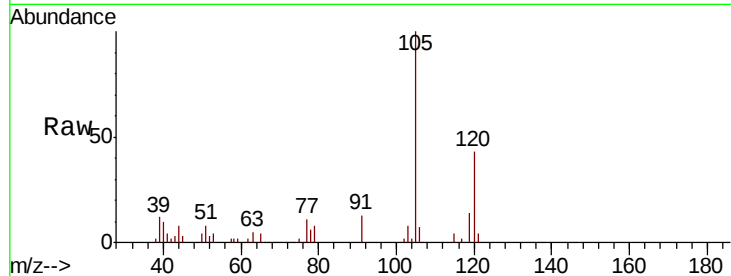
Ion Ratio Lower Upper

105 100

120 45.9 25.0 75.0

Manual Integrations
APPROVED

MMDadoda
4/1/2019 3:59:52 PM



#81

trans-1,4-Dichloro-2-butene

Concen: 0.994 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.01 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

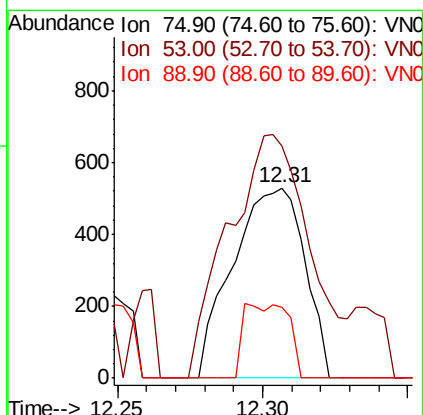
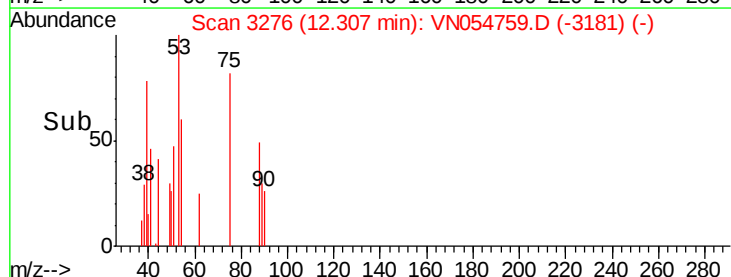
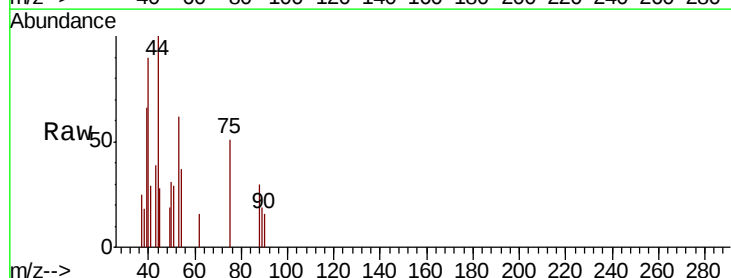
Tgt Ion: 75 Resp: 911

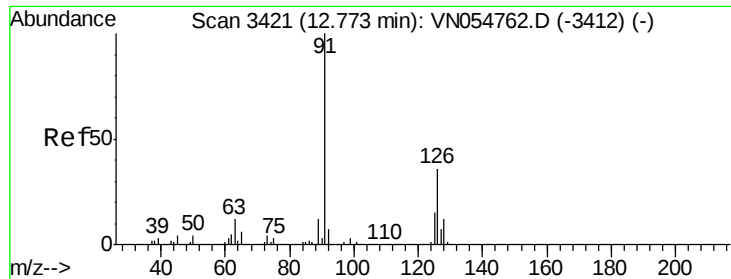
Ion Ratio Lower Upper

75 100

53 146.1 76.2 114.2#

89 12.6 39.2 58.8#





#82

4-Chlorotoluene

Concen: 1.077 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 11934

Ion Ratio Lower Upper

91 100

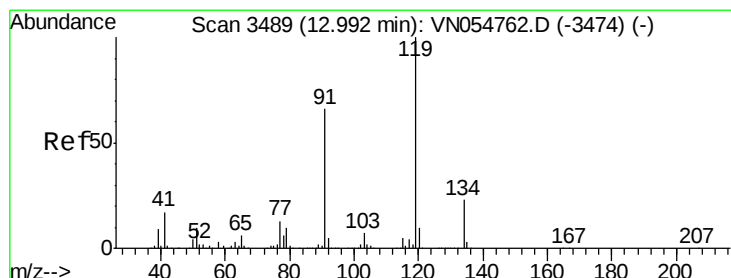
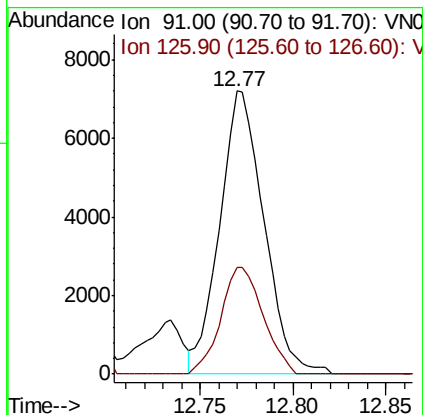
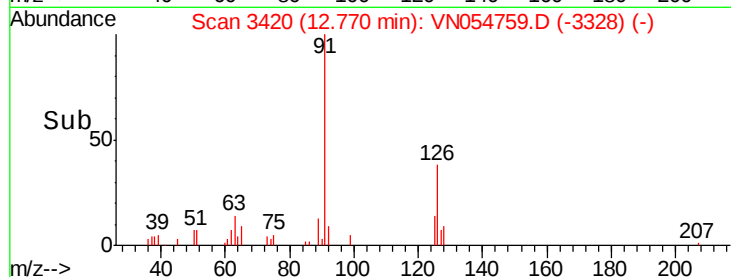
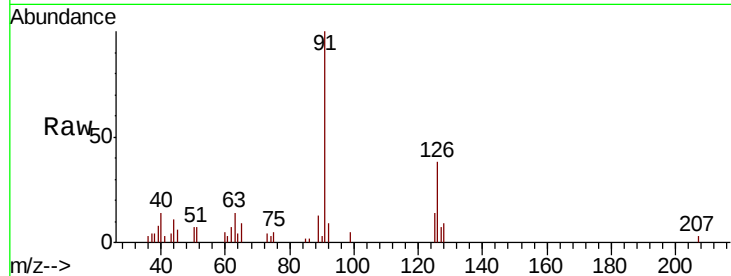
126 36.0 18.1 54.1

Manual Integrations

APPROVED

MMDadoda

4/1/2019 3:59:52 PM



#83

tert-Butylbenzene

Concen: 1.213 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

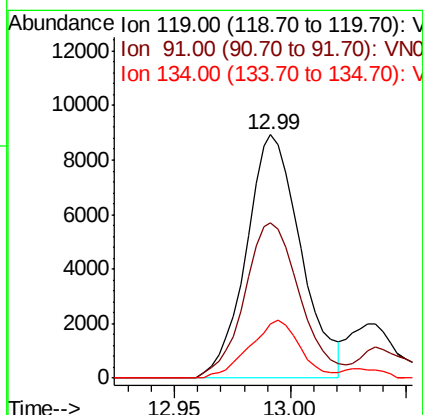
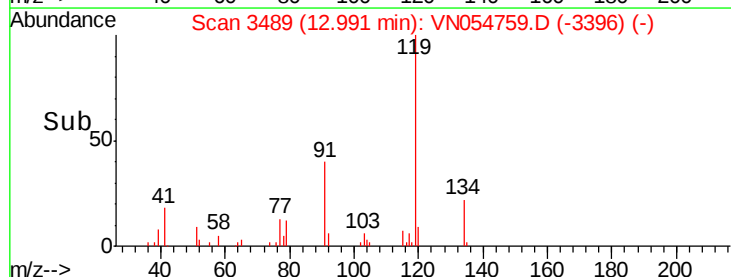
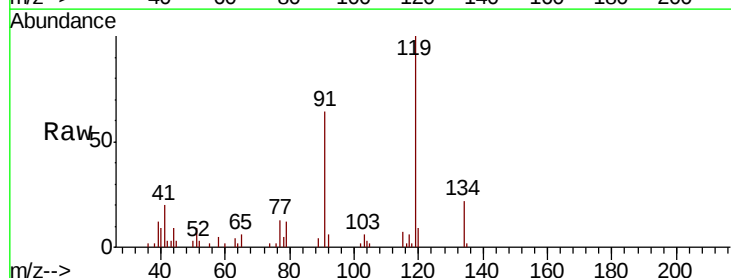
Tgt Ion: 119 Resp: 14608

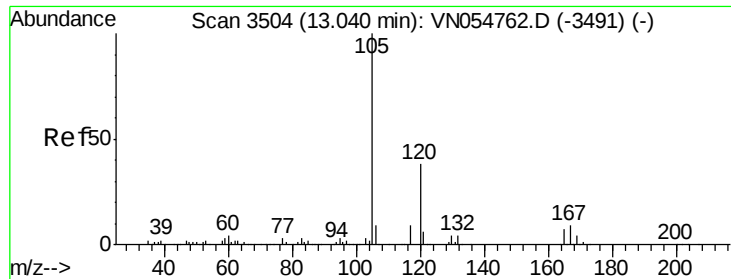
Ion Ratio Lower Upper

119 100

91 65.1 30.9 92.8

134 21.9 13.2 39.6





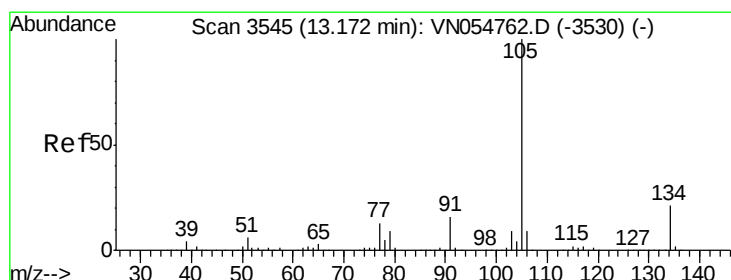
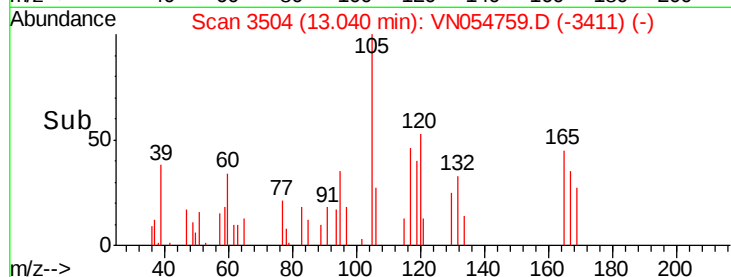
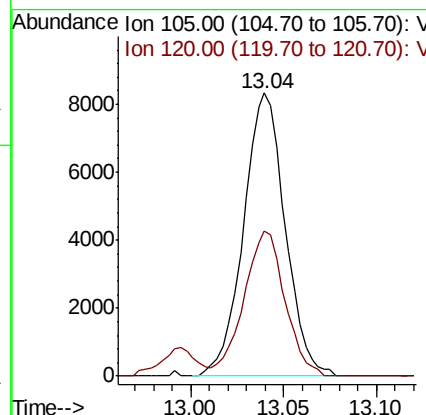
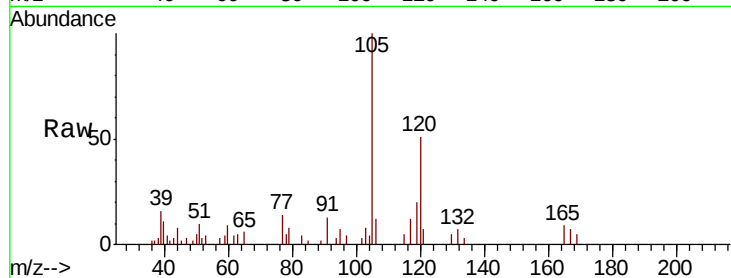
#84
 1,2,4-Trimethylbenzene
 Concen: 0.988 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 12964
 Ion Ratio Lower Upper
 105 100
 120 50.3 23.4 70.3

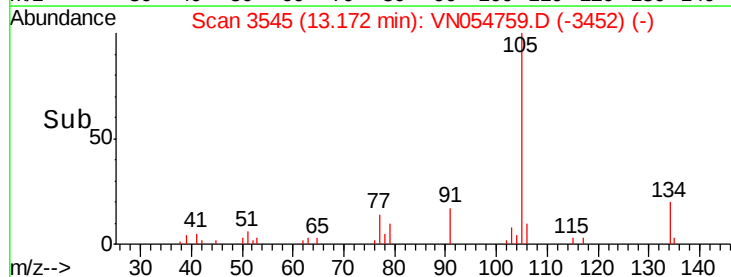
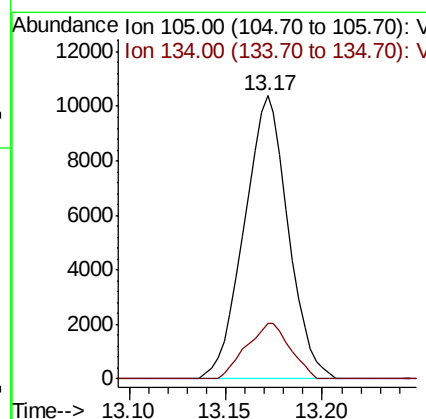
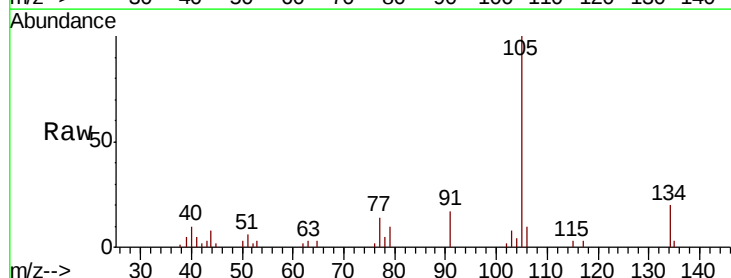
Manual Integrations
 APPROVED

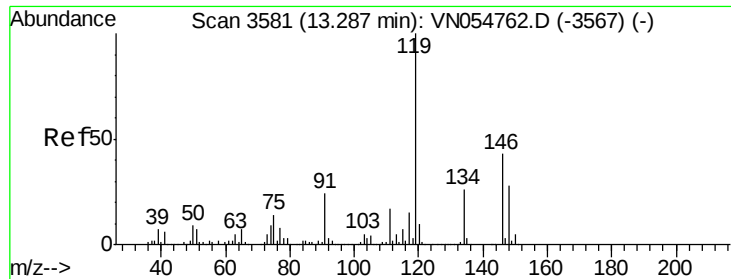
MMDadoda
 4/1/2019 3:59:52 PM



#85
 sec-Butylbenzene
 Concen: 1.099 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

Tgt Ion:105 Resp: 16441
 Ion Ratio Lower Upper
 105 100
 134 19.6 10.7 32.1





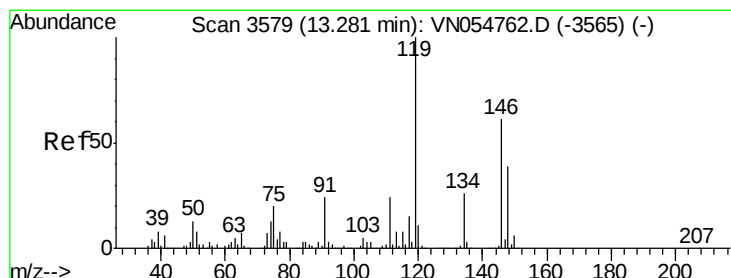
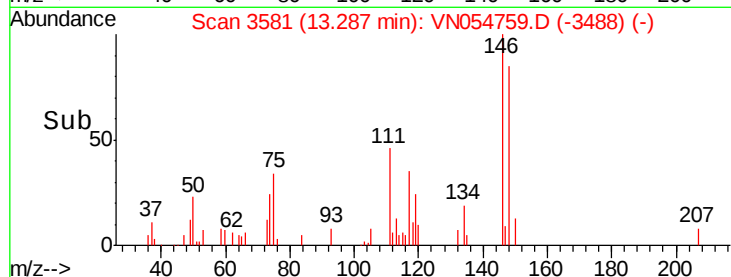
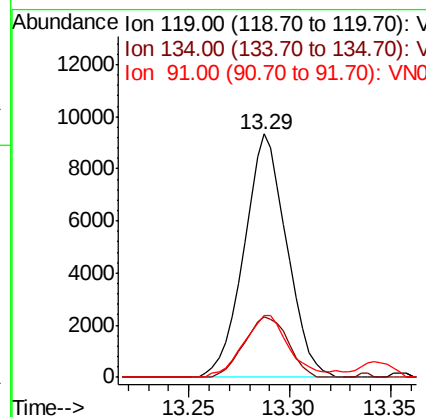
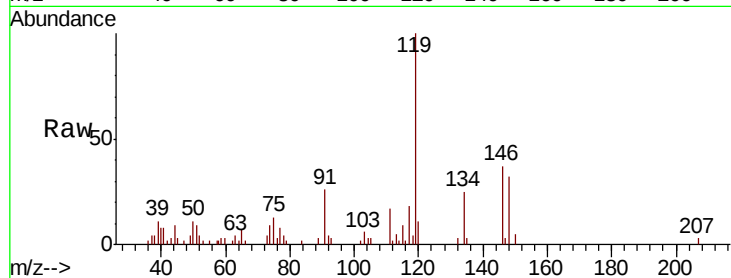
#86
p-Isopropyltoluene
Concen: 1.050 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. -0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.6	40.8
91	28.2	11.1	33.3

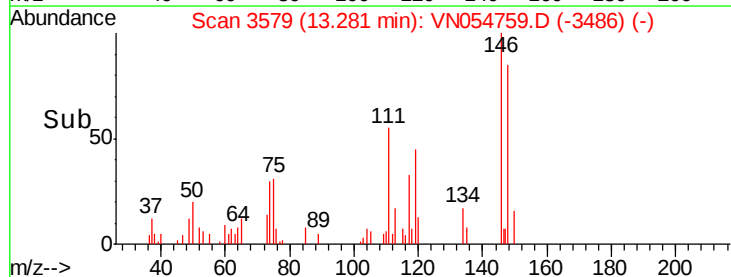
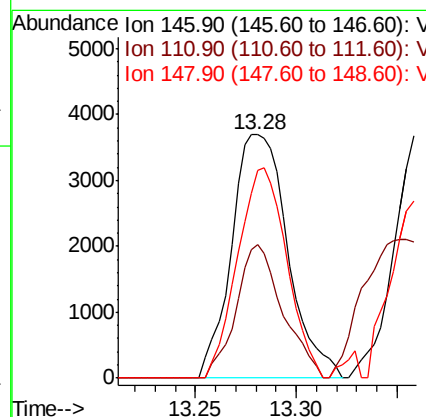
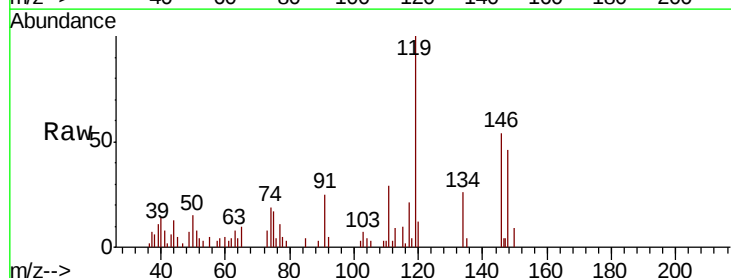
Manual Integrations
APPROVED

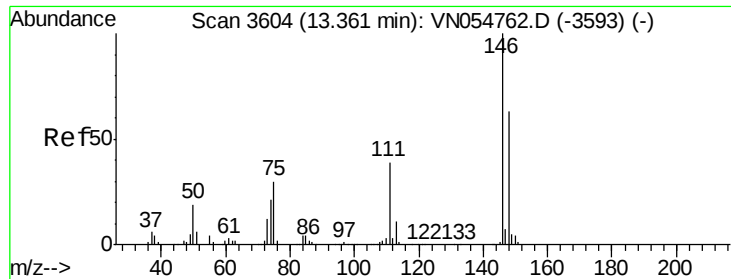
MMDadoda
4/1/2019 3:59:52 PM



#87
1,3-Dichlorobenzene
Concen: 1.060 ug/l
RT: 13.28 min Scan# 3579
Delta R.T. -0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.3	18.8	56.3
148	75.7	32.2	96.6





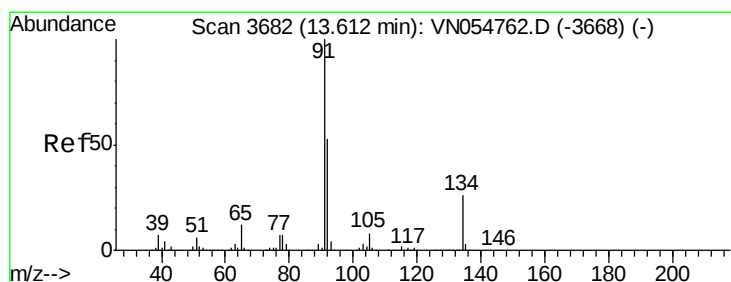
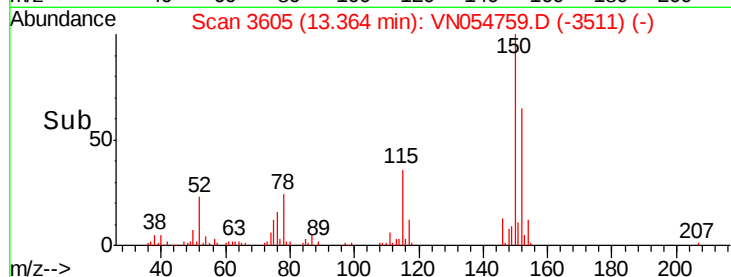
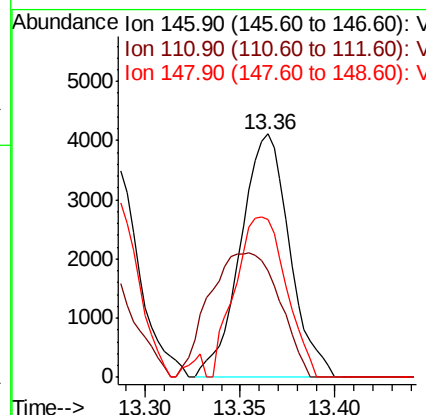
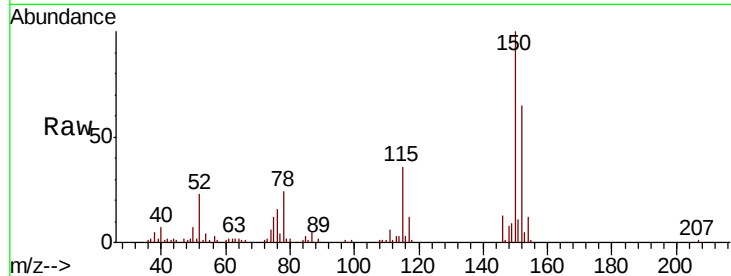
#88
 1,4-Dichlorobenzene
 Concen: 1.110 ug/l m
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	18.1	54.1
148	73.7	32.0	96.0

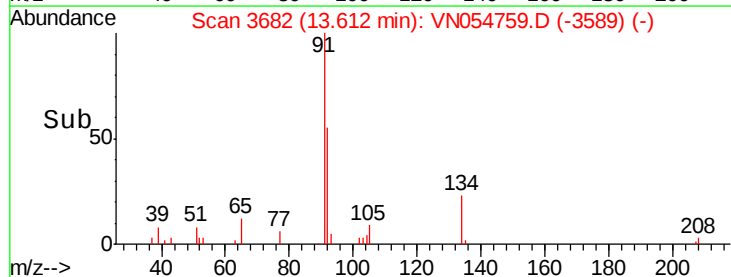
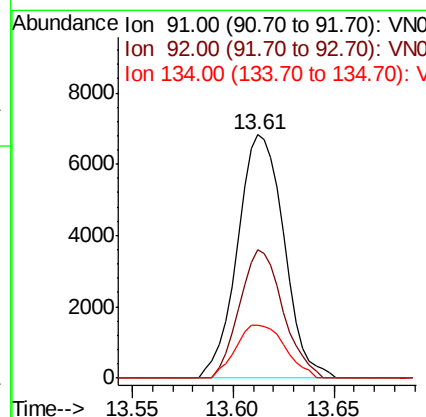
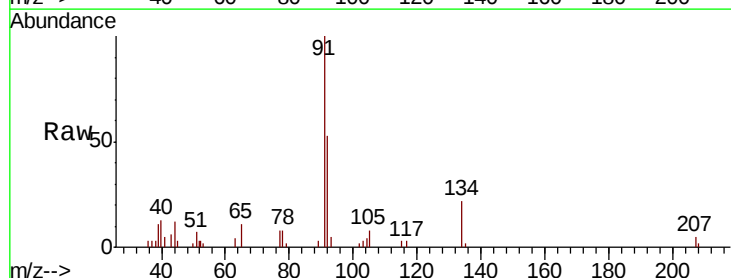
Manual Integrations
 APPROVED

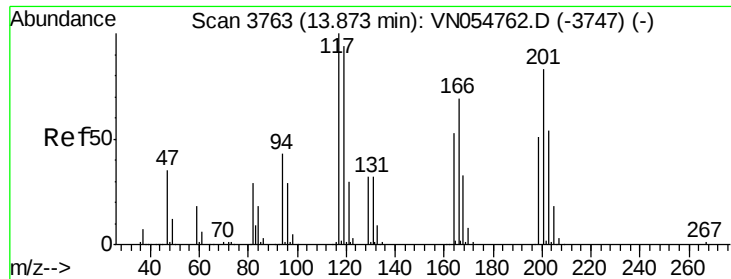
MMDadoda
 4/1/2019 3:59:52 PM



#89
 n-Butylbenzene
 Concen: 1.025 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.2	26.2	78.6
134	23.0	14.3	42.9





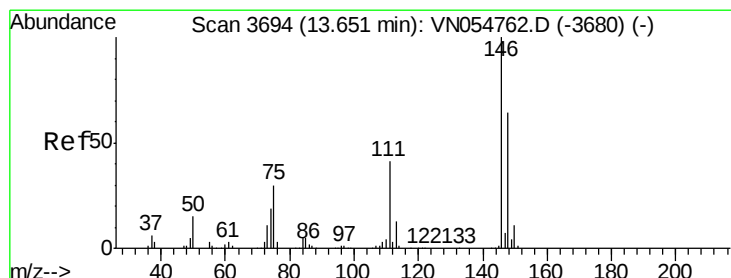
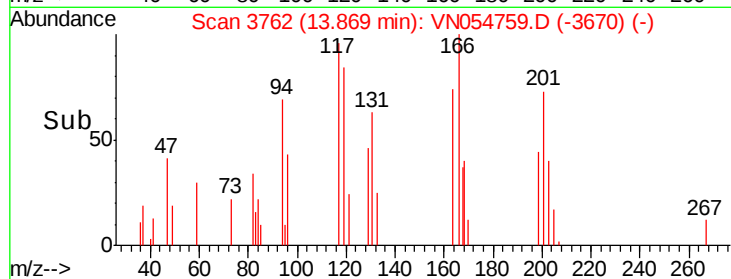
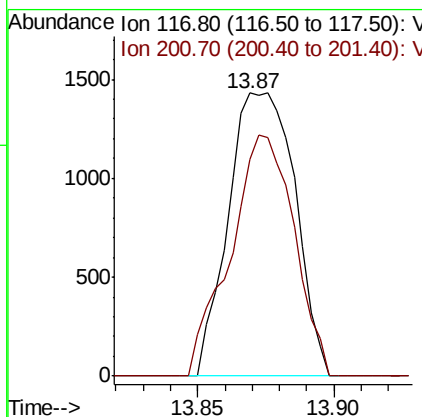
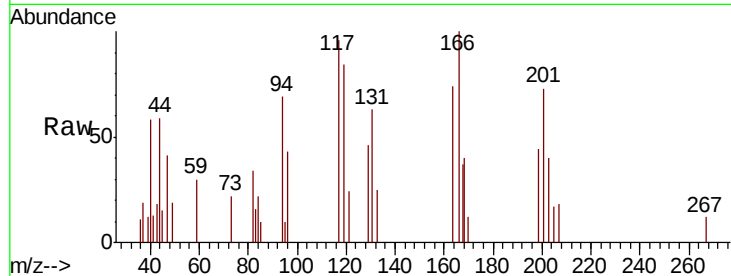
#90
Hexachloroethane
Concen: 1.087 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 2434
Ion Ratio Lower Upper
117 100
201 81.1 48.1 144.4

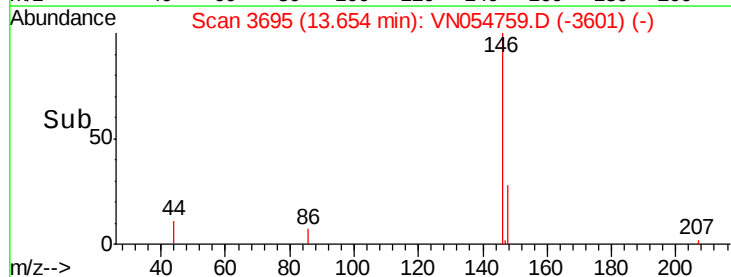
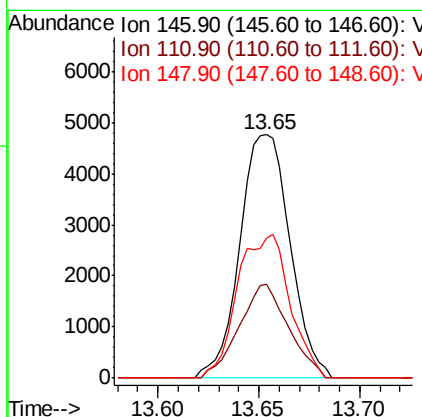
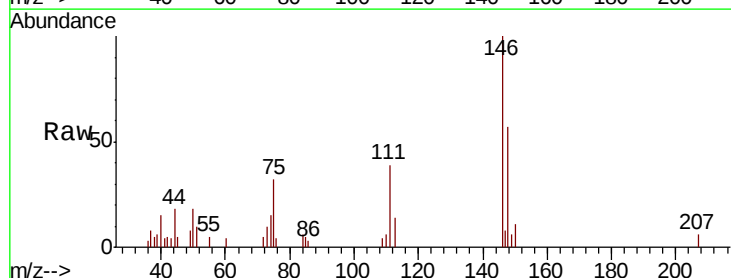
Manual Integrations
APPROVED

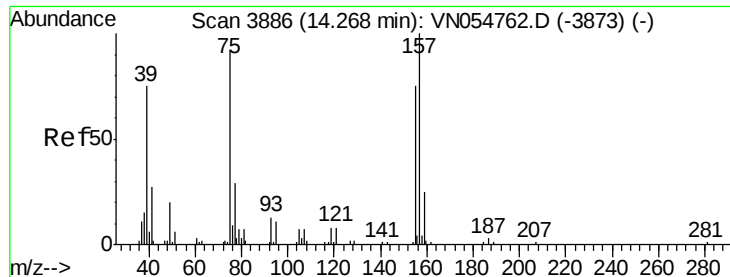
MMDadoda
4/1/2019 3:59:52 PM



#91
1,2-Dichlorobenzene
Concen: 1.215 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Tgt Ion:146 Resp: 8314
Ion Ratio Lower Upper
146 100
111 37.9 19.1 57.3
148 61.3 32.4 97.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.947 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

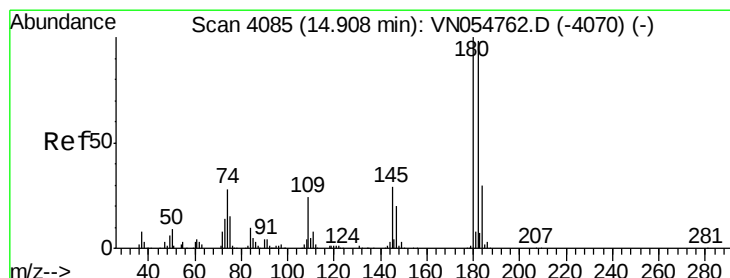
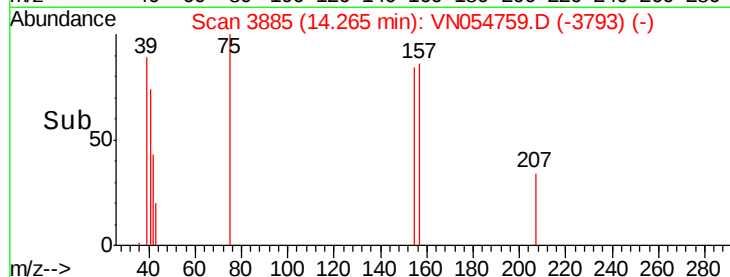
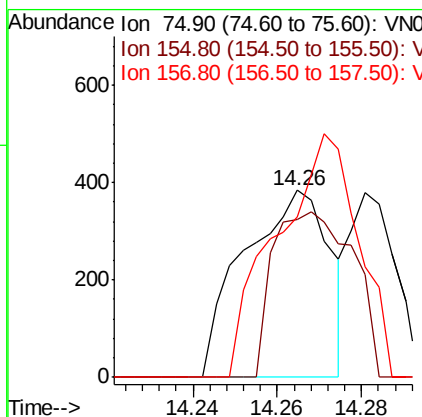
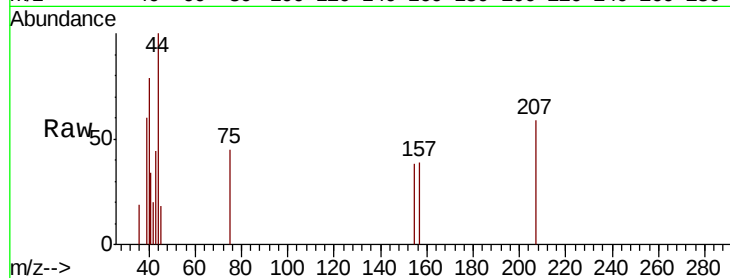
ClientSampled :

VSTDIC001

Tot Ion:	75	Resp:	543
Ion	Ratio	Lower	Upper
75	100		
155	82.3	50.1	150.3
157	123.6	63.1	189.3

Manual Integrations
APPROVED

MMDadoda
4/1/2019 3:59:52 PM



#93

1,2,4-Trichlorobenzene

Concen: 1.000 ug/l

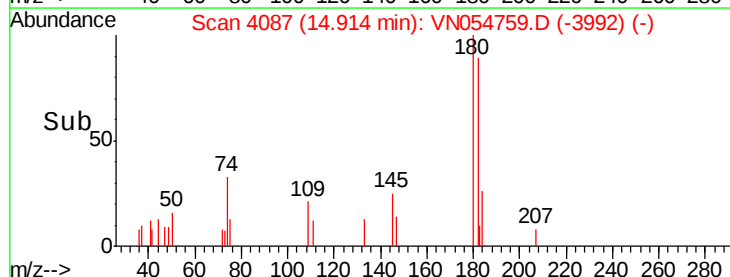
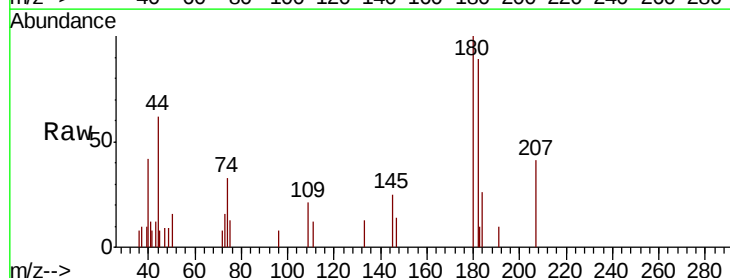
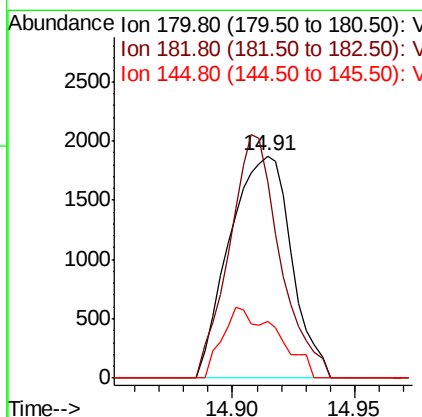
RT: 14.91 min Scan# 4087

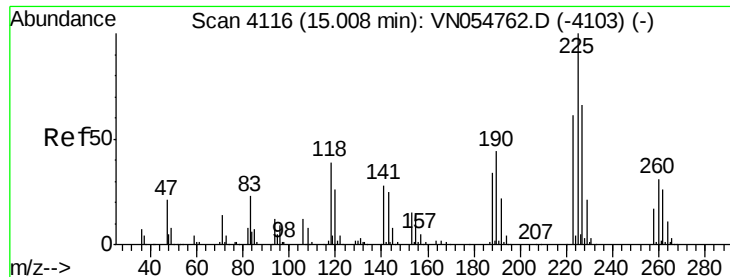
Delta R.T. 0.01 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Tgt Ion:	180	Resp:	3299
Ion	Ratio	Lower	Upper
180	100		
182	89.4	48.0	144.2
145	28.3	14.2	42.8





#94

Hexachlorobutadiene

Concen: 1.201 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

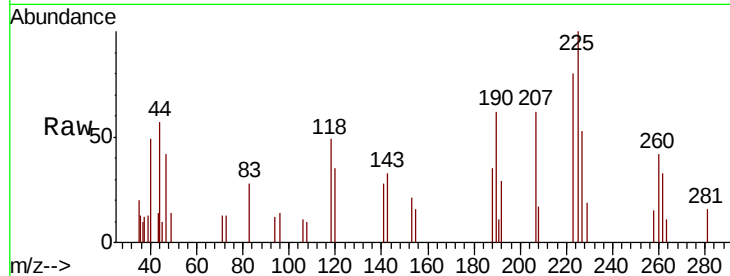
ClientSampled :

VSTDIC001

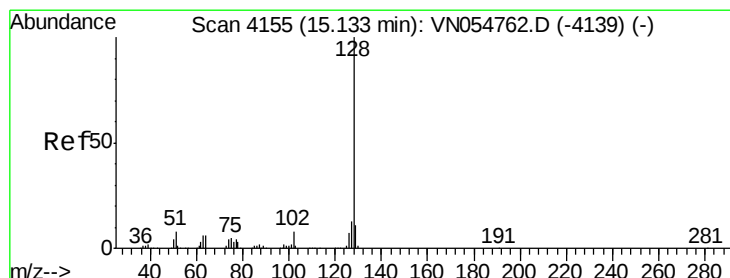
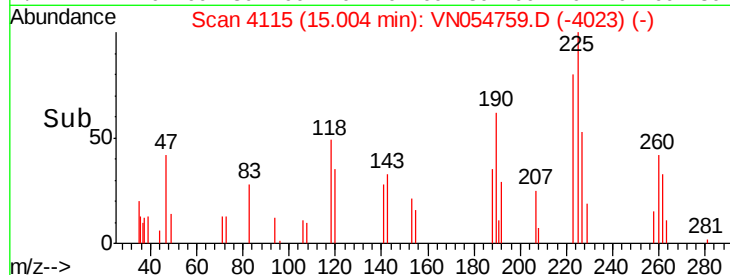
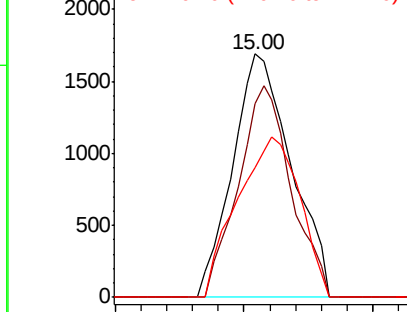
Tot Ion:	225	Resp:	2672
Ion Ratio	Lower	Upper	
225	100		
223	78.1	31.1	93.5
227	70.5	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
4/1/2019 3:59:52 PM



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: 0.986 ug/l

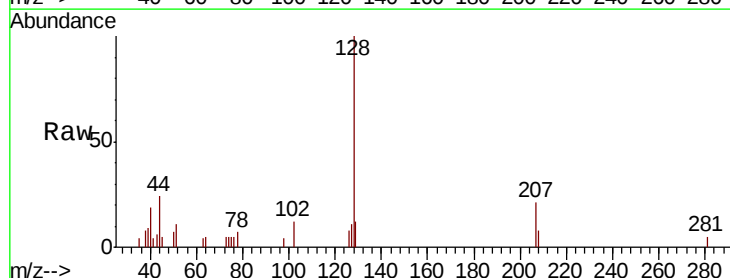
RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

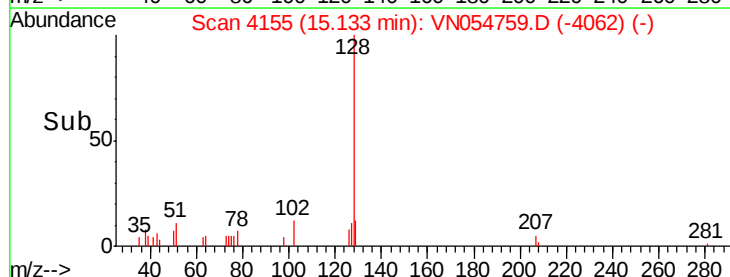
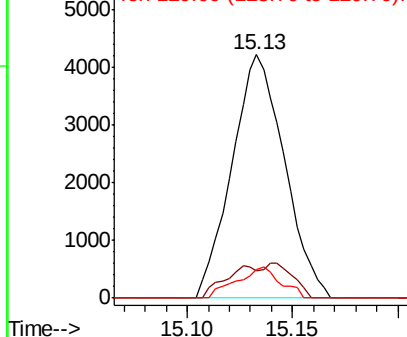
Lab File: VN054759.D

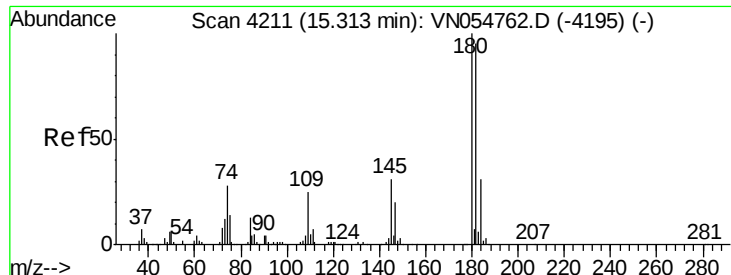
Acq: 29 Mar 2019 10:00

Tgt Ion:	128	Resp:	7296
Ion Ratio	Lower	Upper	
128	100		
127	7.0	10.1	15.1#
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





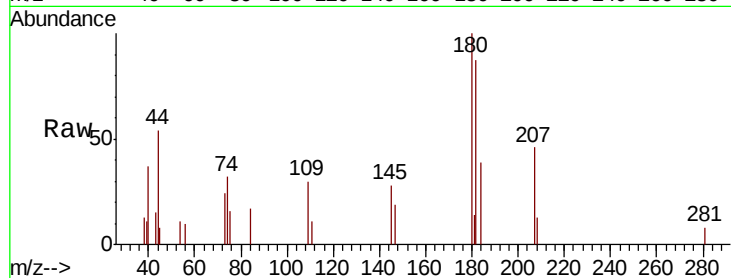
#96
 1,2,3-Trichlorobenzene
 Concen: 1.059 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.5	142.6
145	29.3	14.8	44.3

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 3:59:52 PM



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

