

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051181.D
 Acq On : 14 Sep 2018 11:30
 Operator : MD\SY
 Sample : VN0914WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0914WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 1:39:42 PM

Quant Time: Sep 14 15:32:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	108051	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	589474	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	507467	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	203591	29.53	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.43%
60) 4-Bromofluorobenzene	12.40	95	216367	28.67	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.57%
63) Toluene-d8	10.09	98	729358	30.82	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.73%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	94982	14.15	ug/l	99
3) Chloromethane	2.06	50	127107	16.04	ug/l	98
4) Vinyl Chloride	2.18	62	132410	16.91	ug/l	100
5) Bromomethane	2.57	94	74727	15.66	ug/l	98
6) Chloroethane	2.70	64	81913	17.74	ug/l	96
7) Trichlorofluoromethane	3.01	101	188329	18.15	ug/l	98
8) Diethyl Ether	3.41	74	66046	18.05	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	118521	18.44	ug/l	98
10) 1,1-Dichloroethene	3.74	96	105061	17.99	ug/l	100
11) Methyl Iodide	3.95	142	83162	15.27	ug/l	99
12) Methyl Acetate	4.33	43	93674	13.88	ug/l	98
13) Acrolein	3.61	56	30685	205.26	ug/l	98
14) Acrylonitrile	4.99	53	186148	81.55	ug/l	96
15) Acetone	3.82	58	46090	78.91	ug/l	94
16) Carbon Disulfide	4.05	76	303130	17.27	ug/l	100
17) Allyl chloride	4.32	41	158186	17.22	ug/l	99
18) Methylene Chloride	4.55	84	130235	19.00	ug/l	97
19) trans-1,2-Dichloroethene	5.04	96	115786	18.61	ug/l	95
20) Diisopropyl ether	5.96	45	358094	18.78	ug/l	98
21) 1,1-Dichloroethane	5.85	63	220942	18.90	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	130208	18.53	ug/l	98
23) tert-Butyl Alcohol	4.79	59	36304	74.79	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	284606	17.82	ug/l	99
25) Chloroform	7.37	83	226395	19.40	ug/l	99
26) Cyclohexane	7.65	56	172199	17.78	ug/l	# 99
29) 1,1-Dichloropropene	7.79	75	164191	18.61	ug/l	98
30) 2-Butanone	6.84	43	198218	73.01	ug/l	99
31) 2,2-Dichloropropane	6.83	77	166503	19.39	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	189349	18.92	ug/l	99
33) Carbon Tetrachloride	7.77	117	169089	18.76	ug/l	95
34) Benzene	8.04	78	507143	18.58	ug/l	99
35) Methacrylonitrile	7.17	41	52671	17.71	ug/l	96
36) 1,2-Dichloroethane	8.13	62	152239	18.44	ug/l	100
37) Trichloroethene	8.84	130	135032	18.92	ug/l	95
38) Methylcyclohexane	9.08	83	166512	17.57	ug/l	99
39) 1,2-Dichloropropane	9.12	63	133690	18.75	ug/l	100
40) Dibromomethane	9.21	93	77095	17.95	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051181.D
 Acq On : 14 Sep 2018 11:30
 Operator : MD\SY
 Sample : VN0914WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 1:39:42 PM

Quant Time: Sep 14 15:32:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	169895	18.76	ug/l	97
42) Vinyl Acetate	5.90	43	1093542	87.45	ug/l	99
43) Ethyl Acetate	6.93	43	86890	15.62	ug/l	98
44) Isopropyl Acetate	8.17	43	163480	16.66	ug/l	98
45) 1,4-Dioxane	9.20	88	22599	310.00	ug/l	99
46) Methyl methacrylate	9.20	41	75022	15.26	ug/l	98
47) n-amyl Acetate	12.07	43	108489	13.75	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	152501	17.18	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	185007	18.15	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	116314	18.64	ug/l	98
51) Ethyl methacrylate	10.43	69	122566	16.05	ug/l	97
52) 1,3-Dichloropropane	10.71	76	186020	18.00	ug/l	100
53) Dibromochloromethane	10.90	129	130162	18.34	ug/l	97
54) 1,2-Dibromoethane	11.01	107	106638	17.28	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	225650	71.02	ug/l	99
56) Bromoform	12.13	173	85712	16.98	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	448816	77.30	ug/l	99
59) 2-Hexanone	10.75	43	266209	70.14	ug/l	100
61) Tetrachloroethene	10.63	164	123130	19.47	ug/l	98
62) Toluene	10.16	91	543537	19.20	ug/l	100
64) Chlorobenzene	11.43	112	330781	18.85	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	131841	19.90	ug/l	100
66) Ethyl Benzene	11.51	91	534963	18.24	ug/l	100
67) m/p-Xylenes	11.62	106	425143	37.68	ug/l	99
68) o-Xylene	11.95	106	204763	18.99	ug/l	99
69) Styrene	11.96	104	314269	18.33	ug/l	99
70) Isopropylbenzene	12.25	105	541185	18.89	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	133678	17.23	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	99614m	14.89	ug/l	
73) Bromobenzene	12.53	156	135665	18.00	ug/l	95
74) n-propylbenzene	12.59	91	574811	17.75	ug/l	99
75) 2-Chlorotoluene	12.67	91	363194	18.46	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	438149	18.72	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	27622	14.49	ug/l	96
78) 4-Chlorotoluene	12.77	91	339623	17.53	ug/l	99
79) tert-butylbenzene	12.99	119	378064	18.59	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	428926	18.38	ug/l	99
81) sec-Butylbenzene	13.17	105	483509	18.18	ug/l	99
82) p-Isopropyltoluene	13.29	119	407756	17.76	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	218997	17.18	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	204347	16.92	ug/l	99
85) n-Butylbenzene	13.62	91	272310	15.54	ug/l	100
86) Hexachloroethane	13.87	117	82212	18.65	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	219789	17.52	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16346	15.06	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	66864	11.97	ug/l	100
90) Hexachlorobutadiene	15.01	225	72729	19.17	ug/l	99
91) Naphthalene	15.13	128	122912	15.62	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	74762	13.34	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
Data File : VN051181.D
Acq On : 14 Sep 2018 11:30
Operator : MD\SY
Sample : VN0914WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Manual Integrations
APPROVED

MMDadoda
9/17/2018 1:39:42 PM

Quant Time: Sep 14 15:32:49 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:38:44 2018
Response via : Initial Calibration

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

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

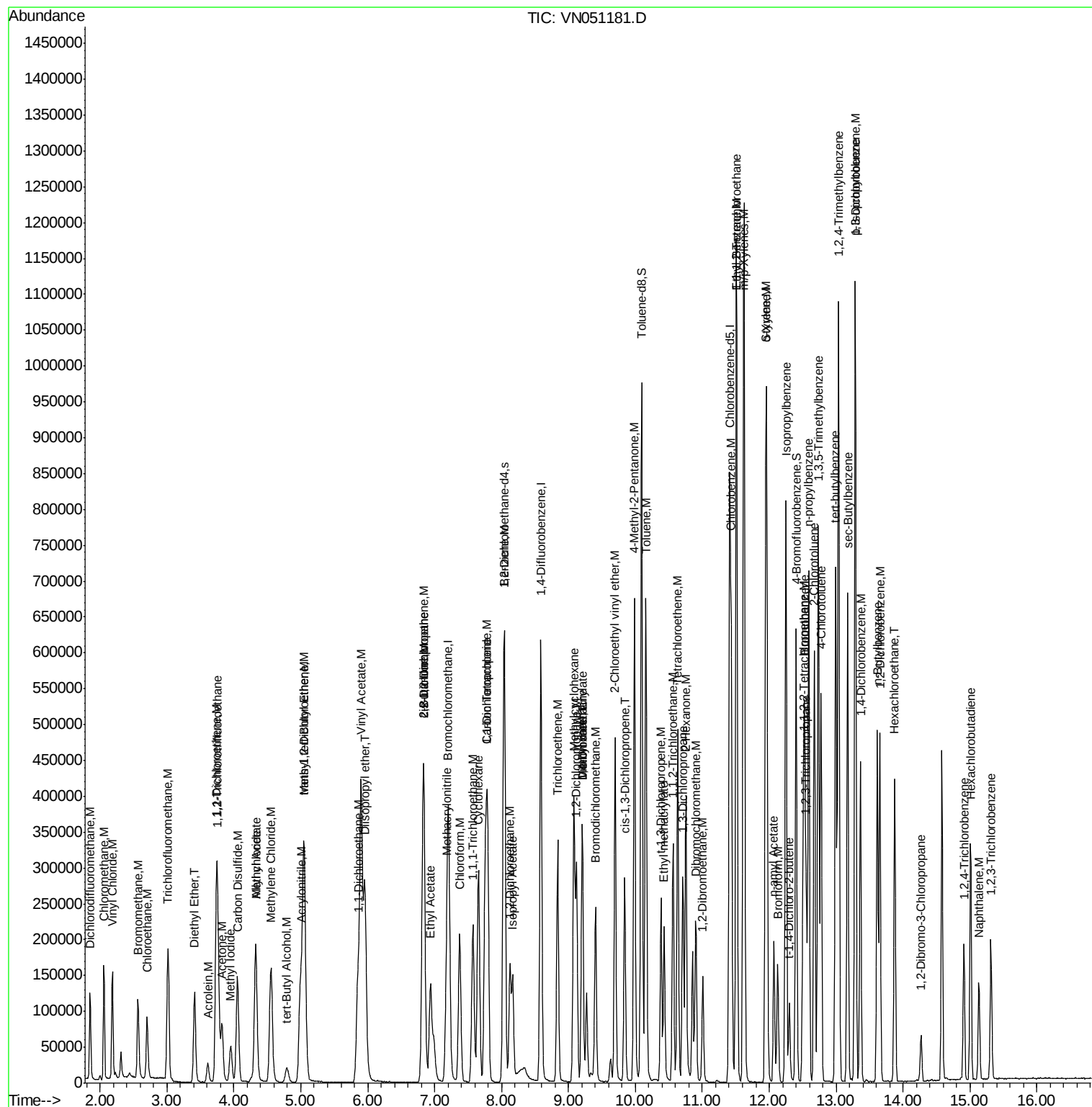
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
Data File : VN051181.D
Acq On : 14 Sep 2018 11:30
Operator : MD\SY
Sample : VN0914WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
Client Sample Id :
VN0914WBSD01

Manual Integrations
APPROVED

MMDadoda
9/17/2018 1:39:42 PM

Quant Time: Sep 14 15:32:49 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:38:44 2018
Response via : Initial Calibration





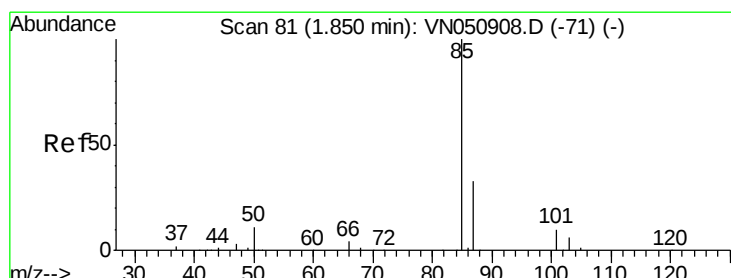
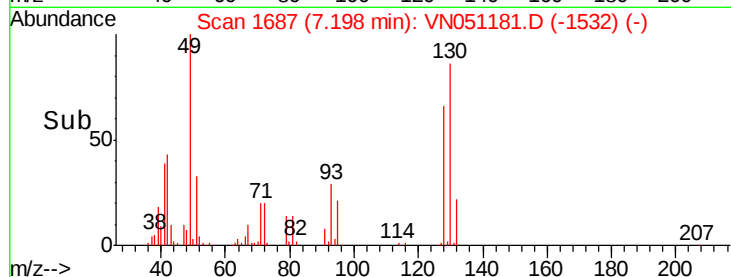
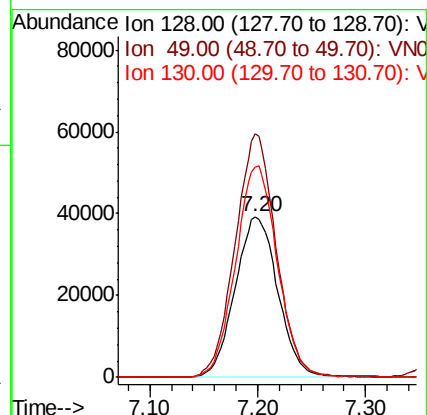
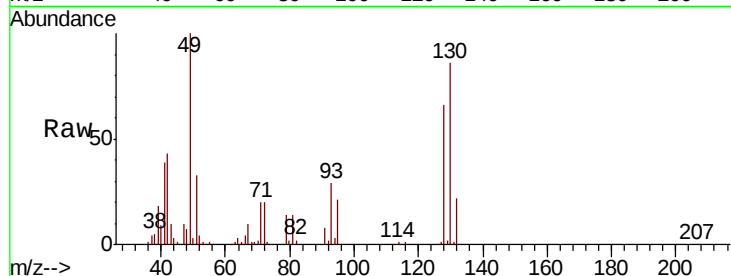
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	108051		
49	145.6	0.0	380.3	
130	129.0	0.0	325.3	

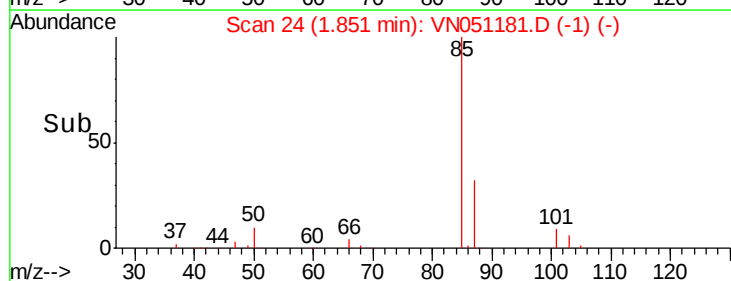
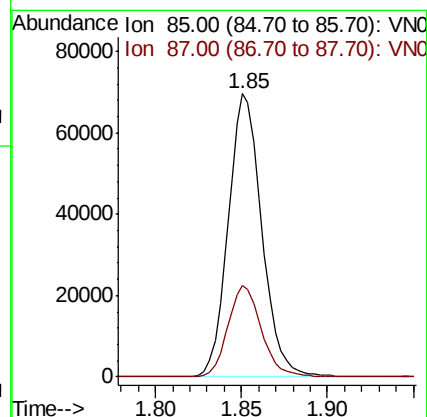
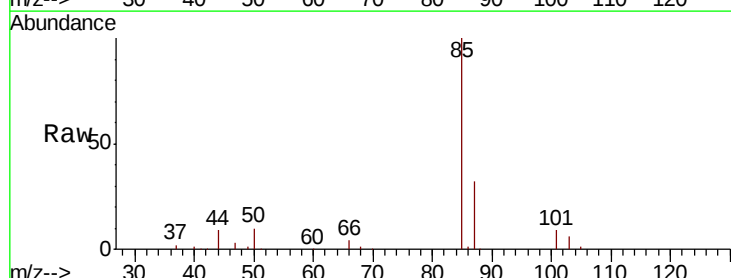
Manual Integrations
APPROVED

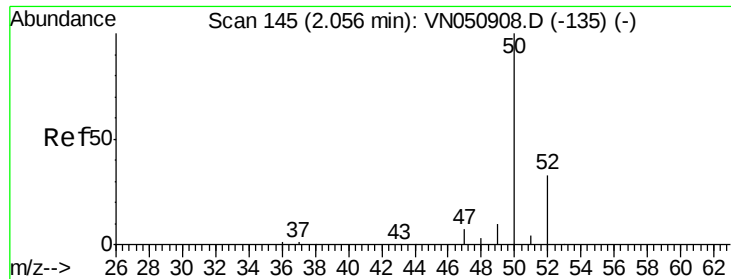
MMDadoda
9/17/2018 1:39:42 PM



#2
Dichlorodifluoromethane
Concen: 14.15 ug/l
RT: 1.85 min Scan# 24
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	94982		
87	32.2	16.4	49.1	





#3

Chloromethane

Concen: 16.04 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion: 50 Resp: 127107

Ion Ratio Lower Upper

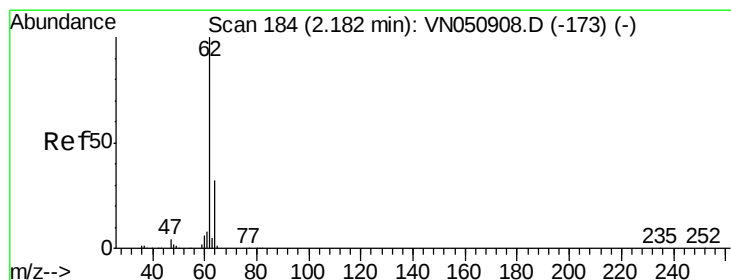
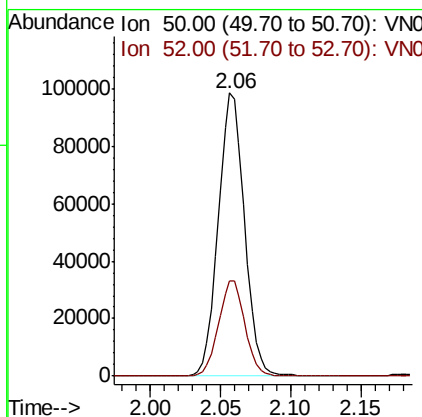
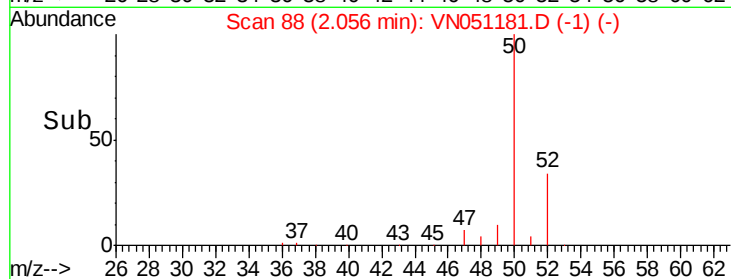
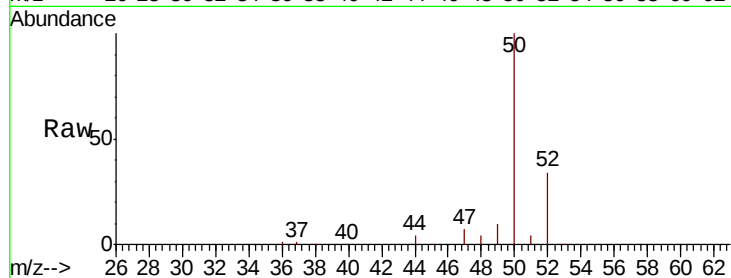
50 100

52 33.8 26.2 39.4

Manual Integrations
APPROVED

MMDadoda

9/17/2018 1:39:42 PM



#4

Vinyl Chloride

Concen: 16.91 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051181.D

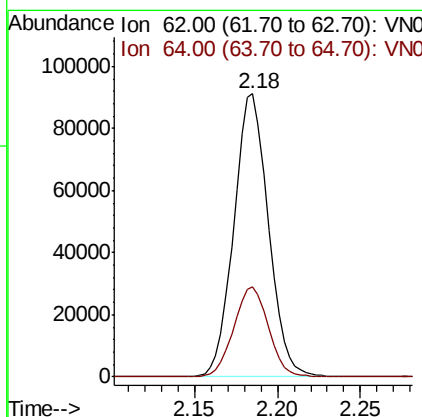
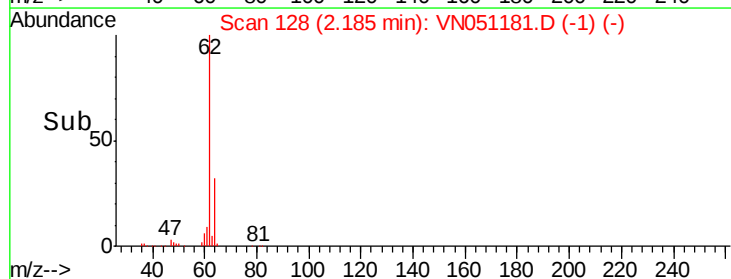
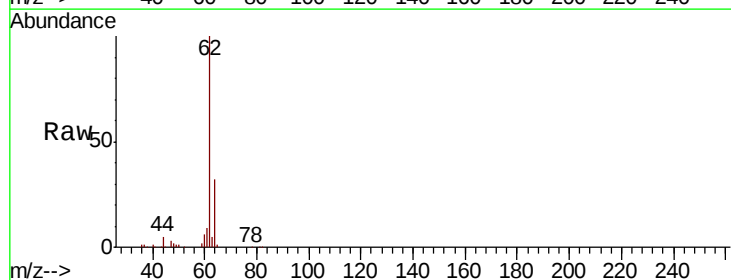
Acq: 14 Sep 2018 11:30

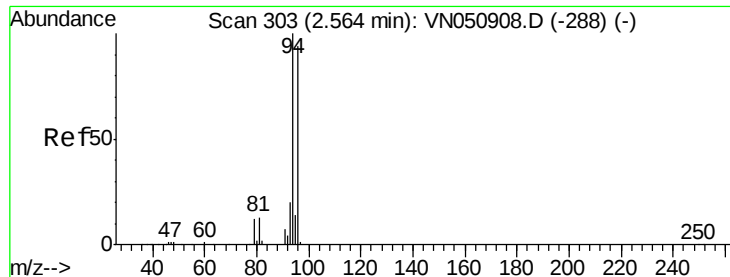
Tgt Ion: 62 Resp: 132410

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 15.66 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion: 94 Resp: 74727

Ion Ratio Lower Upper

94 100

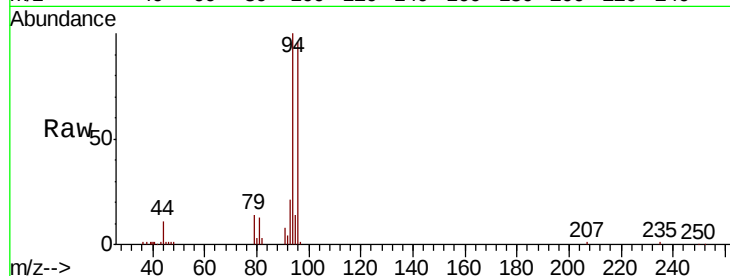
96 95.7 74.9 112.3

Manual Integrations

APPROVED

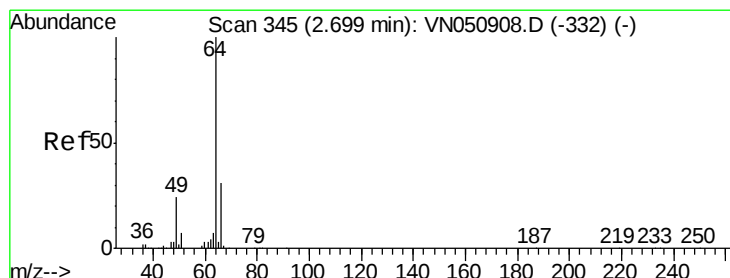
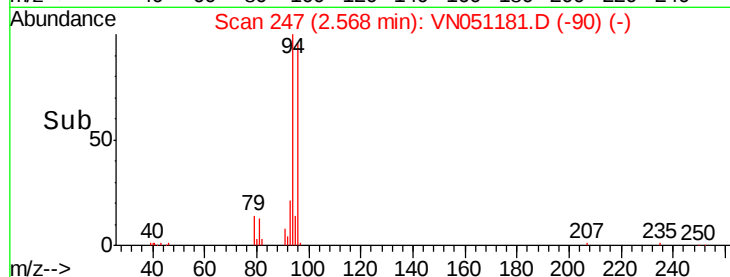
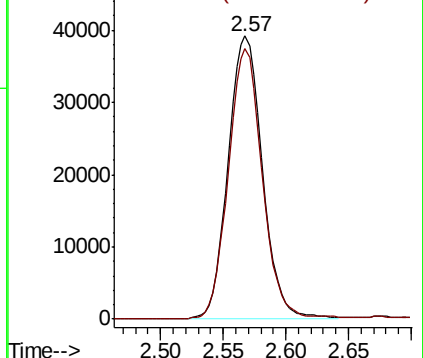
MMDadoda

9/17/2018 1:39:42 PM



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 17.74 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051181.D

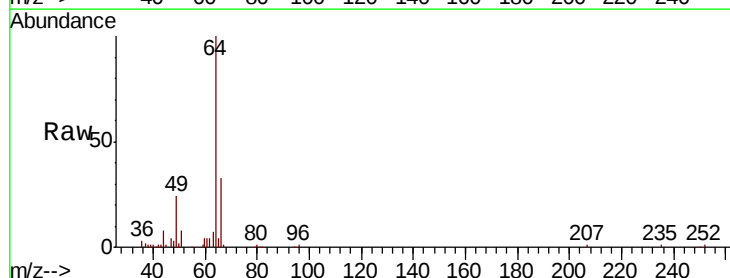
Acq: 14 Sep 2018 11:30

Tgt Ion: 64 Resp: 81913

Ion Ratio Lower Upper

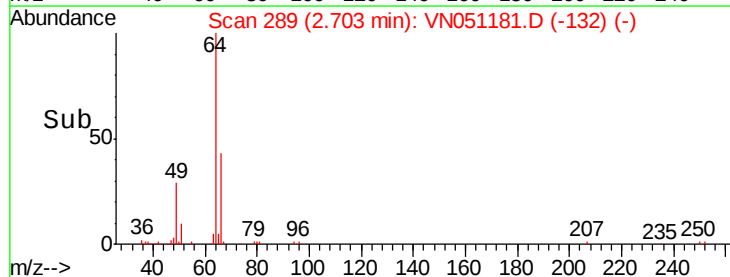
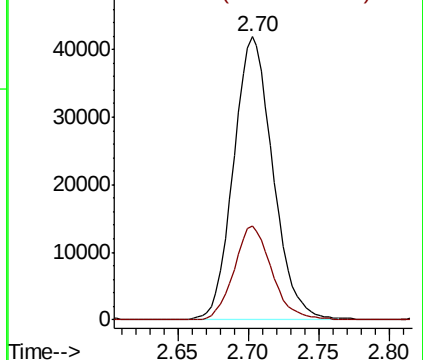
64 100

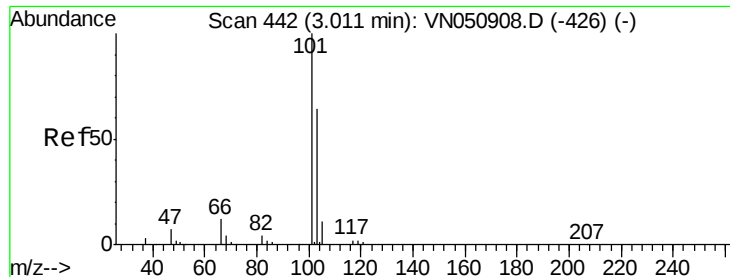
66 33.0 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

Trichlorofluoromethane

Concen: 18.15 ug/l

RT: 3.01 min Scan# 386

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion:101 Resp: 188329

Ion Ratio Lower Upper

101 100

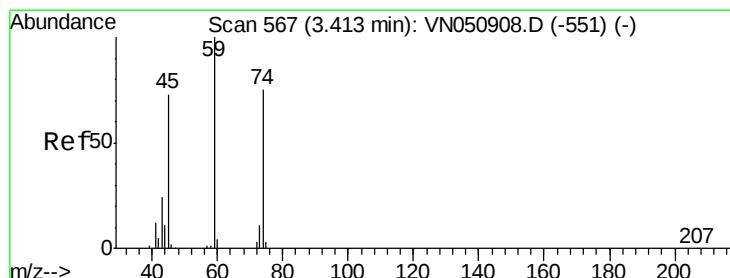
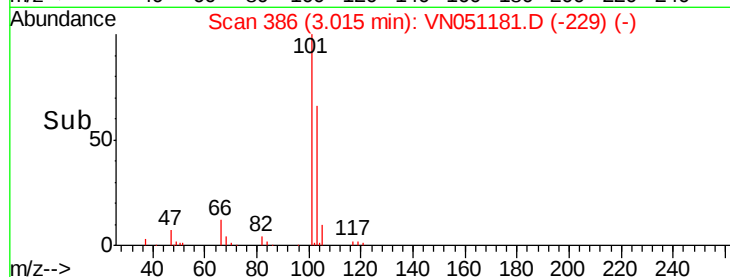
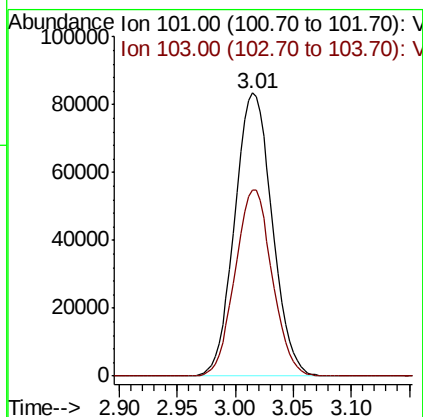
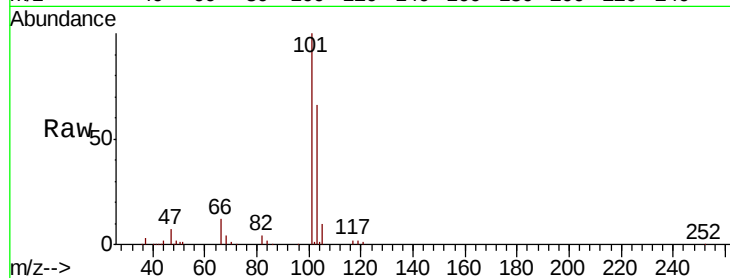
103 65.9 51.3 76.9

Manual Integrations

APPROVED

MMDadoda

9/17/2018 1:39:42 PM



#8

Diethyl Ether

Concen: 18.05 ug/l

RT: 3.41 min Scan# 510

Delta R.T. 0.00 min

Lab File: VN051181.D

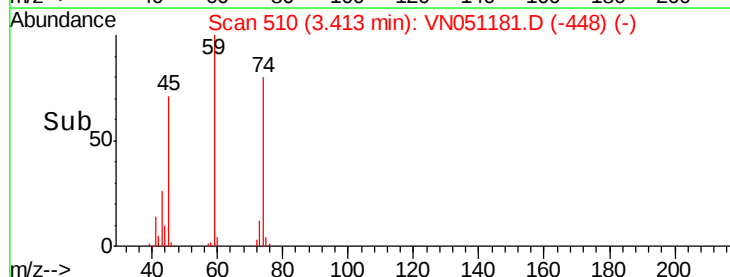
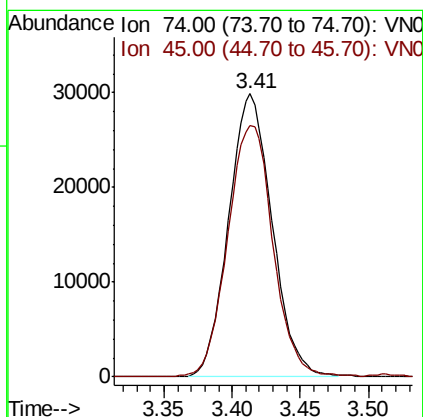
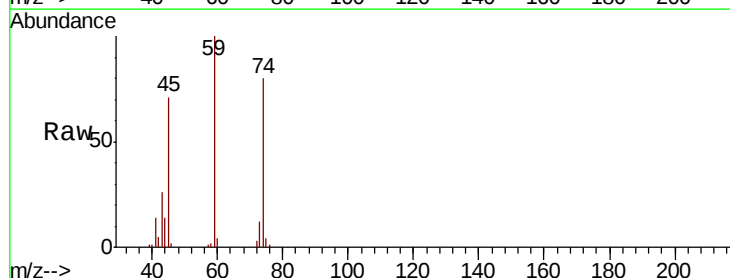
Acq: 14 Sep 2018 11:30

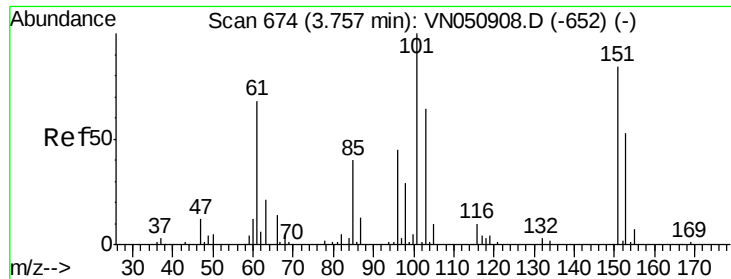
Tgt Ion: 74 Resp: 66046

Ion Ratio Lower Upper

74 100

45 92.4 19.7 177.1





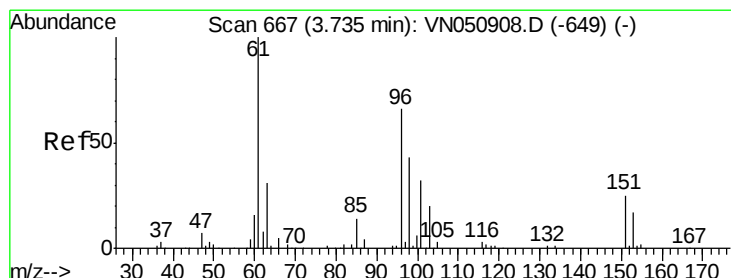
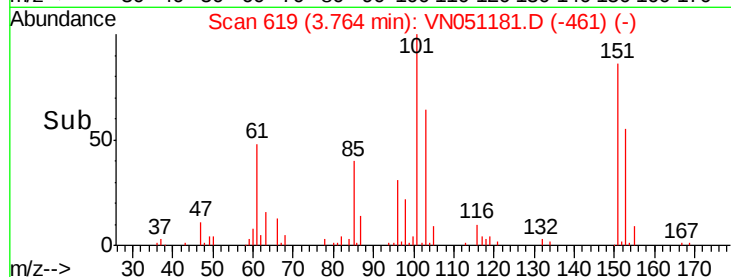
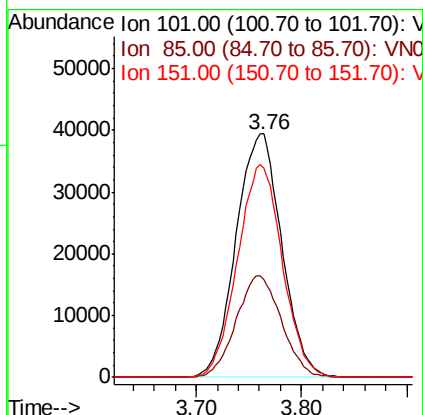
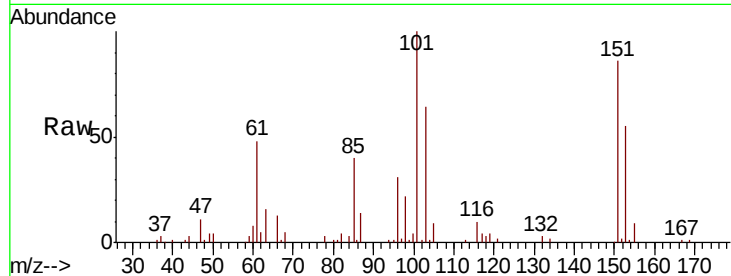
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.44 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.01 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion	Ratio	Resp Lower	Resp Upper
101	100		
85	41.3	0.0	83.6
151	85.9	0.0	167.0

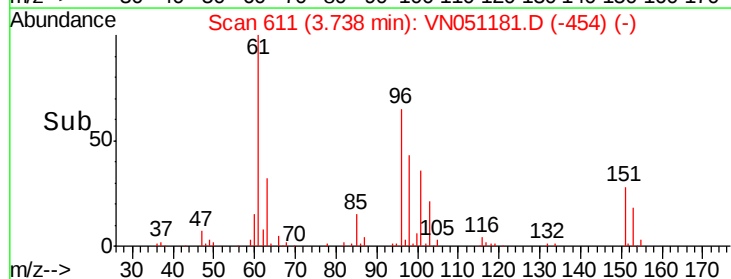
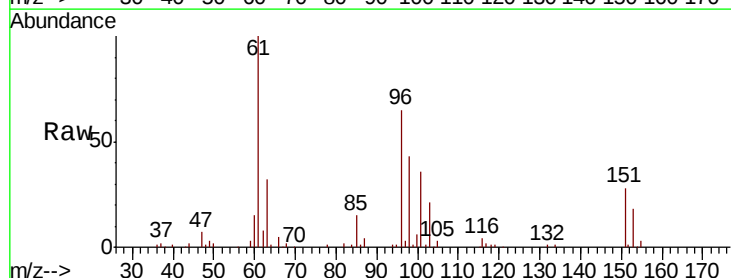
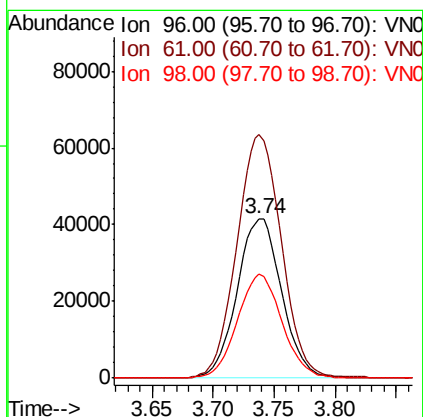
Manual Integrations
 APPROVED

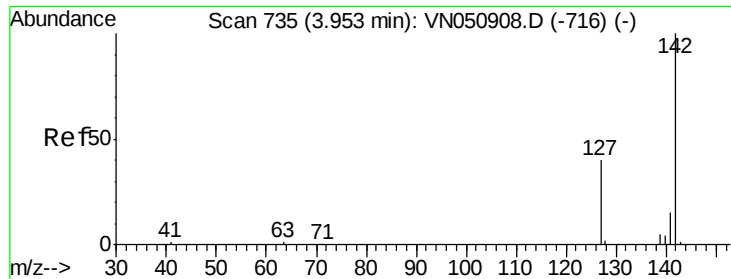
MMDadoda
 9/17/2018 1:39:42 PM



#10
 1,1-Dichloroethene
 Concen: 17.99 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	152.4	121.8	182.8
98	64.9	52.3	78.5





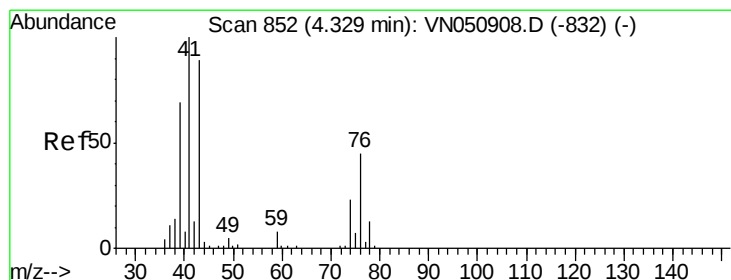
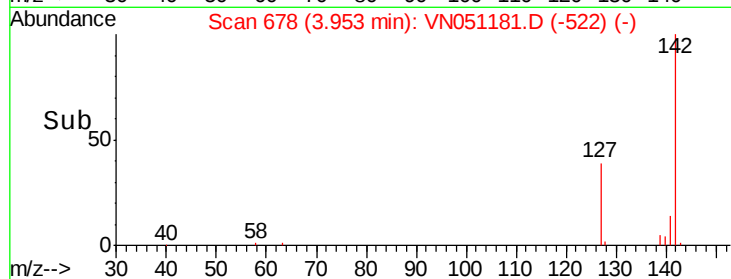
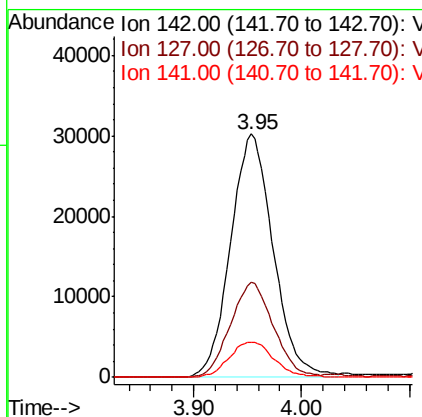
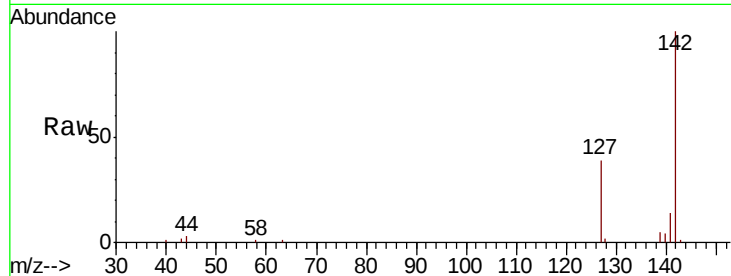
#11
Methvl Iodide
Concen: 15.27 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.6	19.7	59.1
141	14.5	7.3	22.0

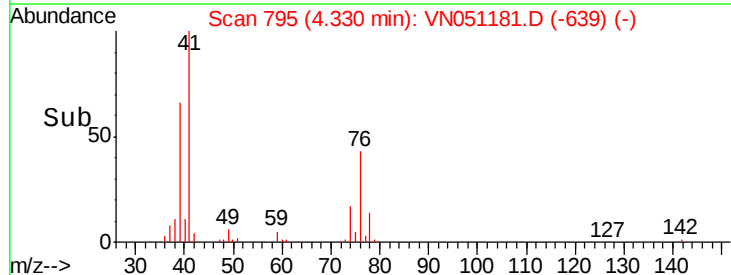
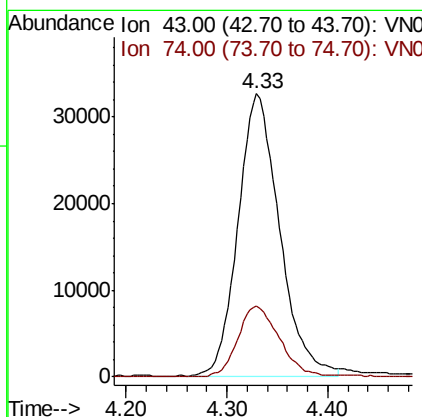
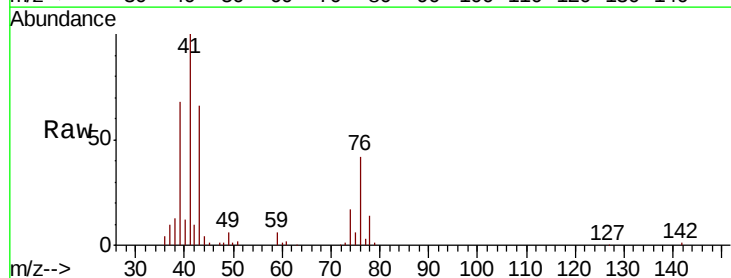
Manual Integrations
APPROVED

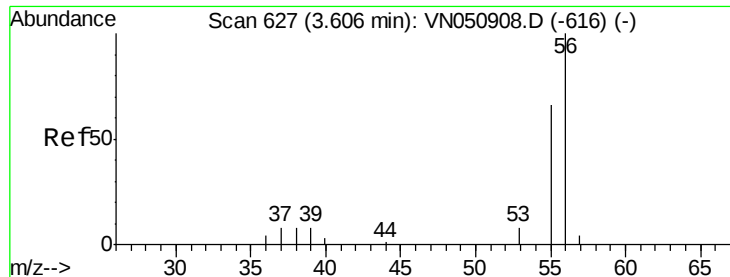
MMDadoda
9/17/2018 1:39:42 PM



#12
Methyl Acetate
Concen: 13.88 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	20.6	31.0





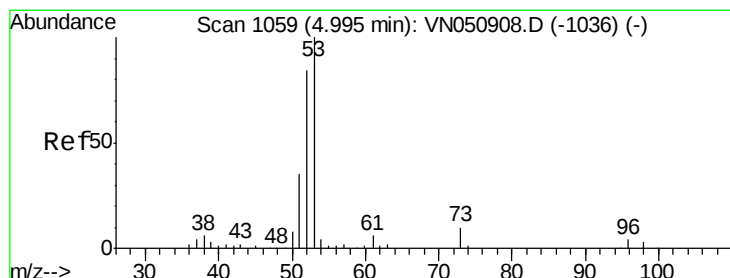
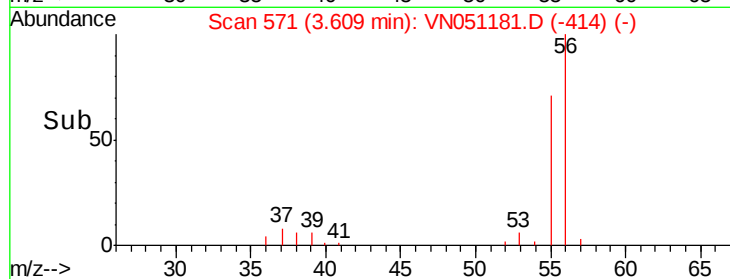
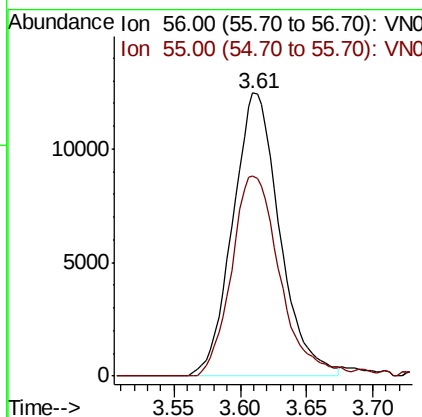
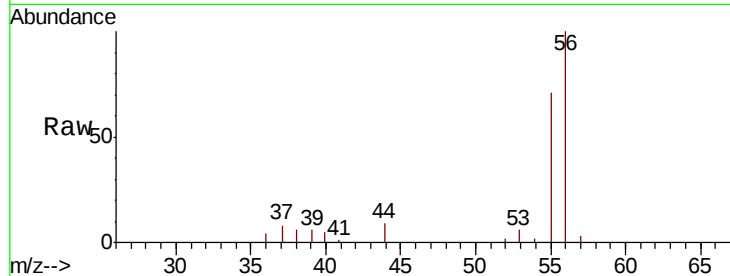
#13
Acrolein
Concen: 205.26 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion: 56 Resp: 30685
Ion Ratio Lower Upper
56 100
55 72.0 59.1 88.7

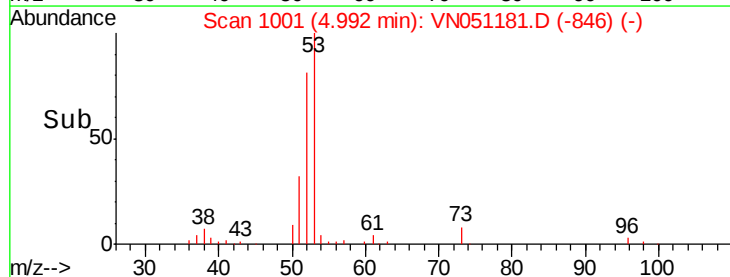
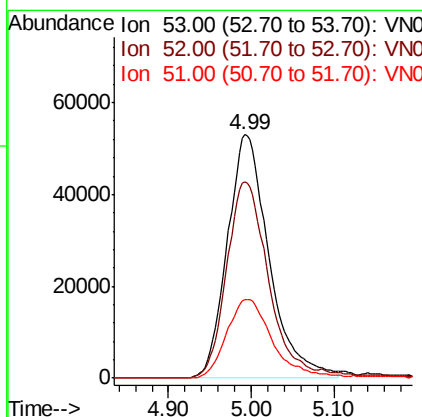
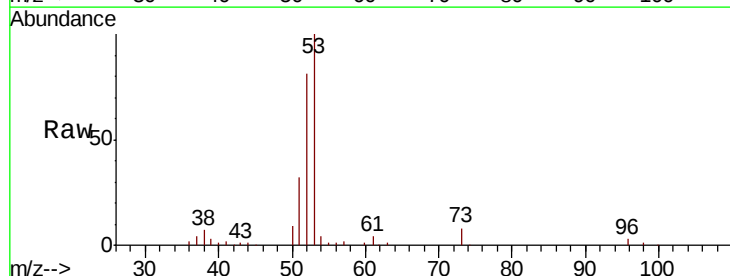
Manual Integrations
APPROVED

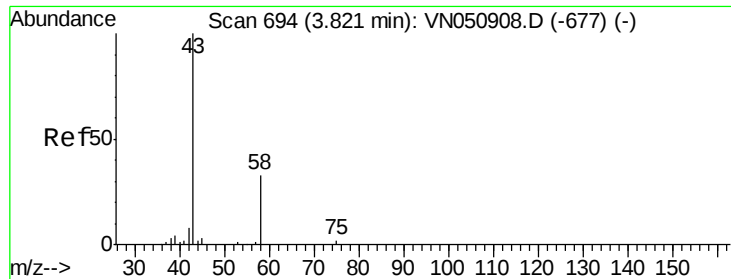
MMDadoda
9/17/2018 1:39:42 PM



#14
Acrylonitrile
Concen: 81.55 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion: 53 Resp: 186148
Ion Ratio Lower Upper
53 100
52 79.7 42.2 126.6
51 35.0 17.7 53.1





#15

Acetone

Concen: 78.91 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion: 58 Resp: 46090

Ion Ratio Lower Upper

58 100

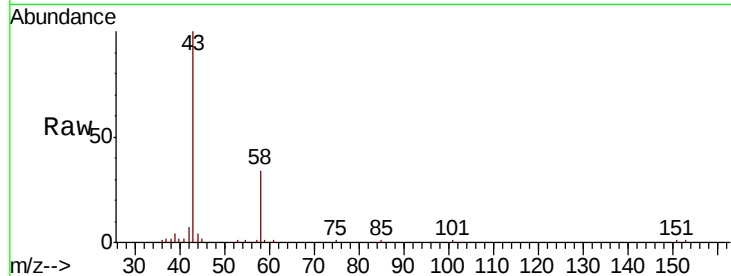
43 287.0 239.4 359.0

Manual Integrations

APPROVED

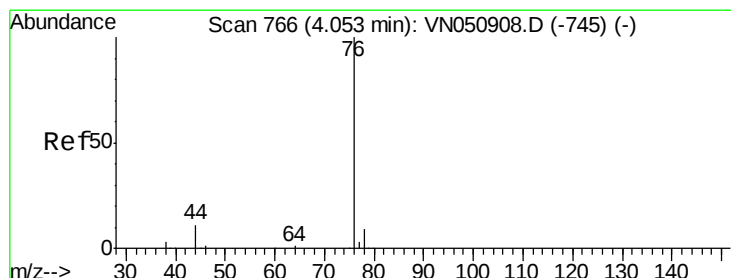
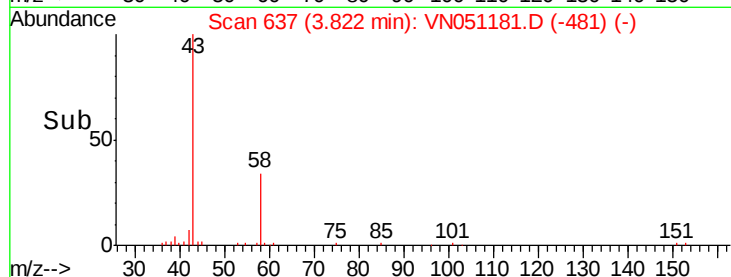
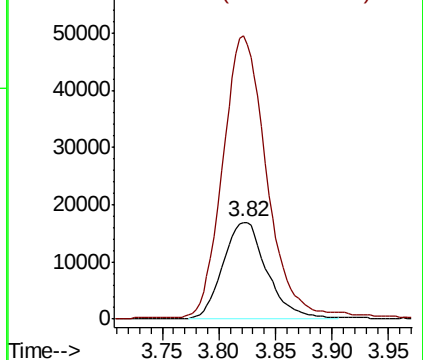
MMDadoda

9/17/2018 1:39:42 PM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.27 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051181.D

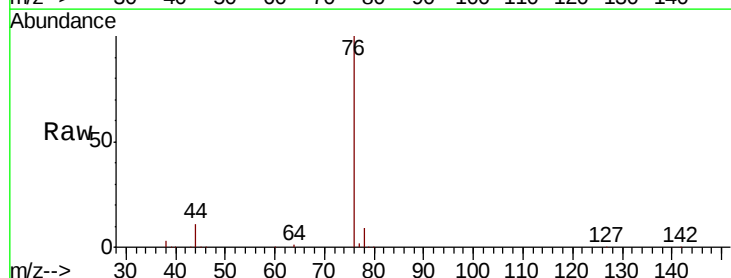
Acq: 14 Sep 2018 11:30

Tgt Ion: 76 Resp: 303130

Ion Ratio Lower Upper

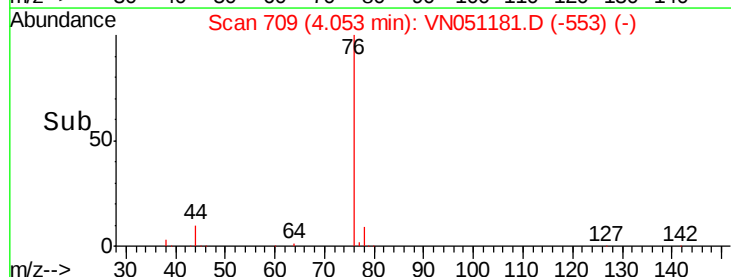
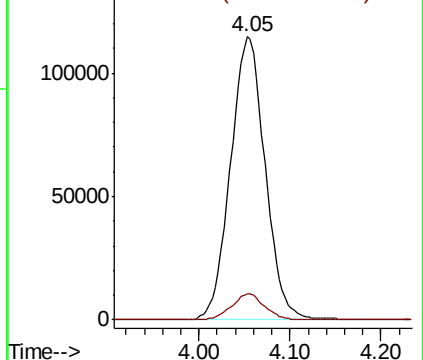
76 100

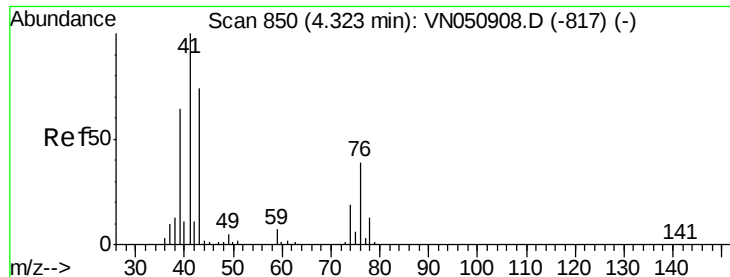
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 17.22 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

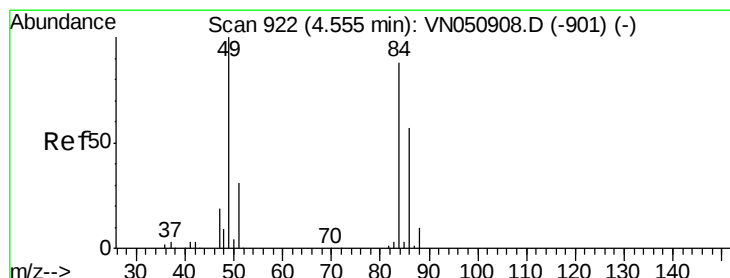
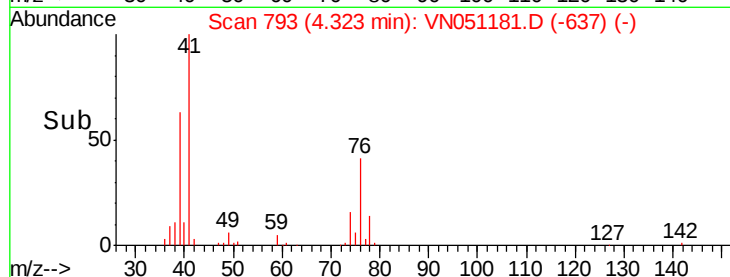
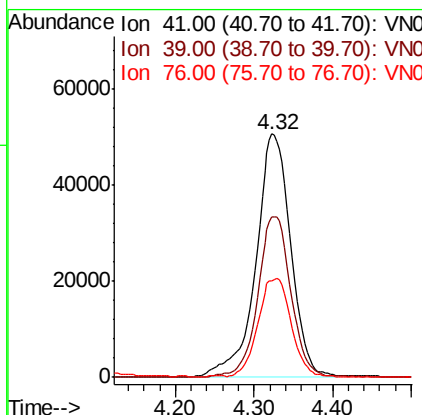
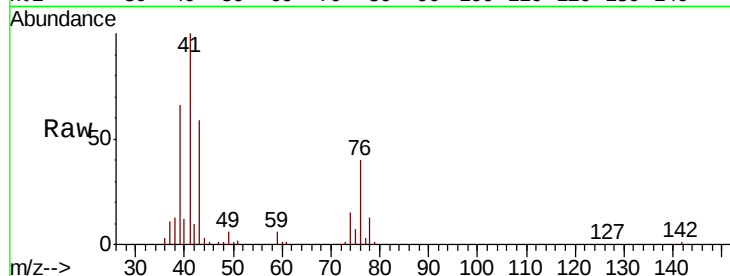
ClientSampleId :

VN0914WBSD01

Tot Ion:	41	Resp:	158186
Ion	Ratio	Lower	Upper
41	100		
39	65.7	32.2	96.6
76	39.3	19.6	58.7

Manual Integrations
APPROVED

MMDadoda
9/17/2018 1:39:42 PM



#18

Methylene Chloride

Concen: 19.00 ug/l

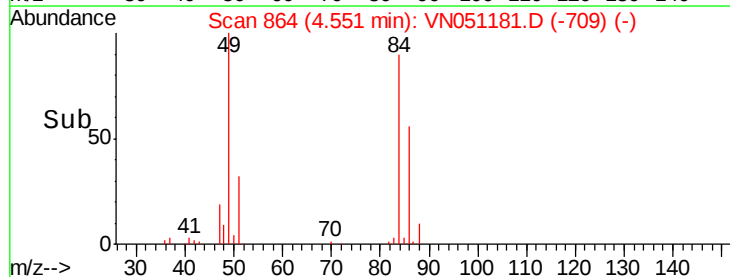
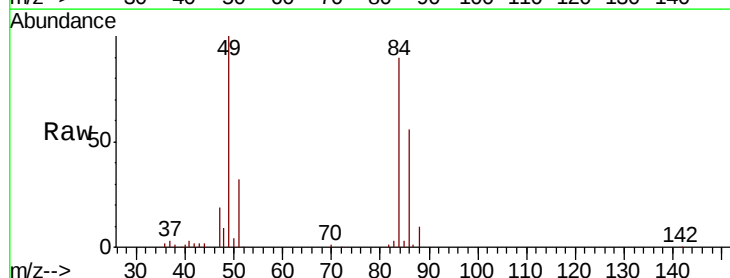
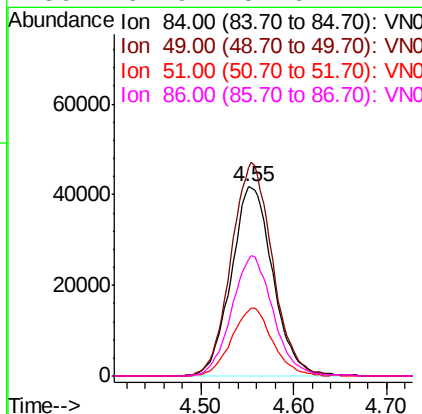
RT: 4.55 min Scan# 864

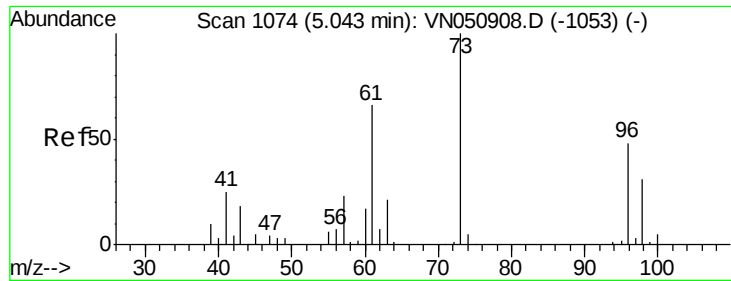
Delta R.T. -0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Tgt Ion:	84	Resp:	130235
Ion	Ratio	Lower	Upper
84	100		
49	110.2	90.6	135.8
51	34.9	28.4	42.6
86	61.9	51.6	77.4





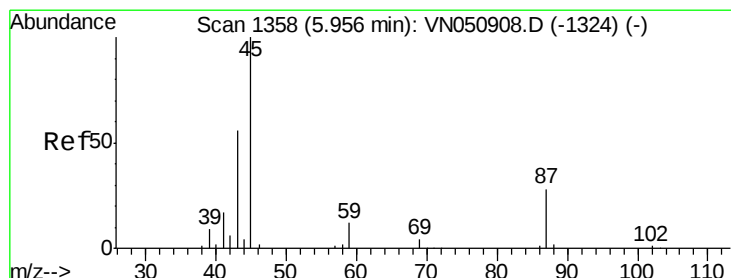
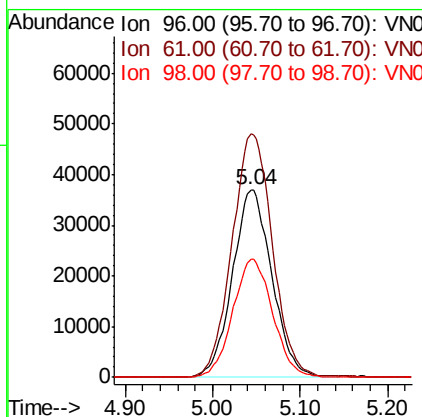
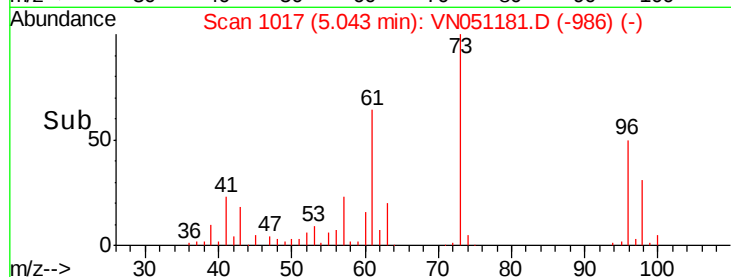
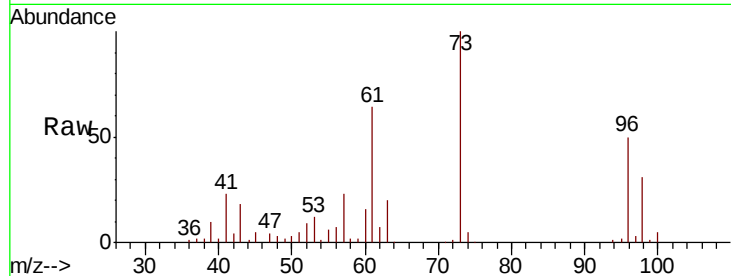
#19
trans-1,2-Dichloroethene
Concen: 18.61 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.6	109.5	164.3
98	62.8	51.9	77.9

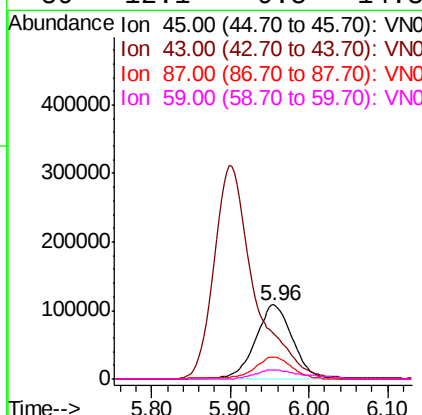
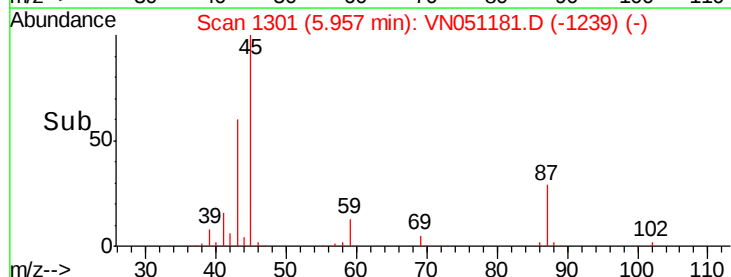
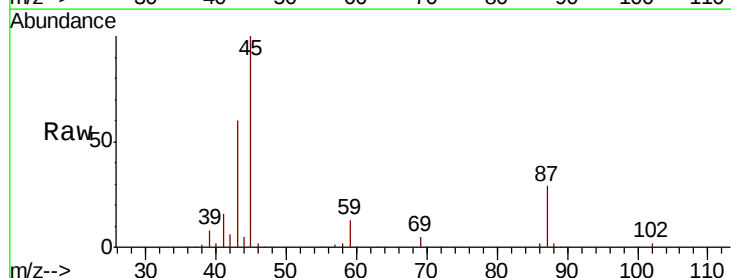
Manual Integrations
APPROVED

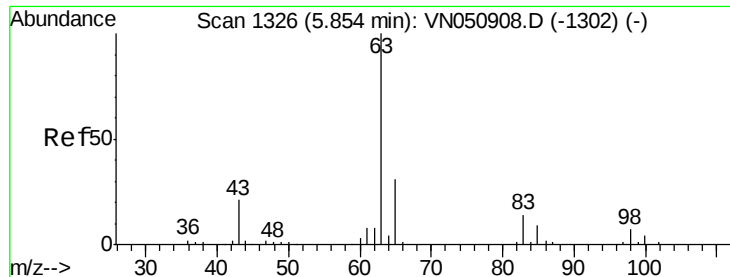
MMDadoda
9/17/2018 1:39:42 PM



#20
Diisopropyl ether
Concen: 18.78 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.4	47.0	70.6
87	29.3	22.8	34.2
59	12.1	9.5	14.3





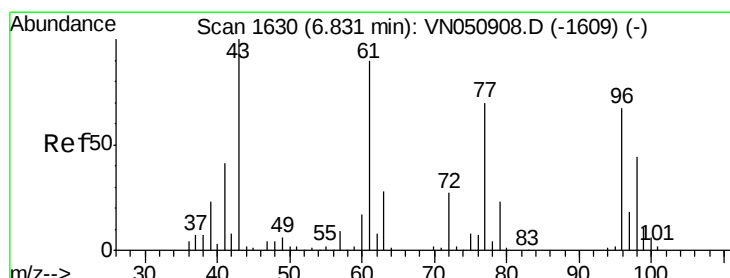
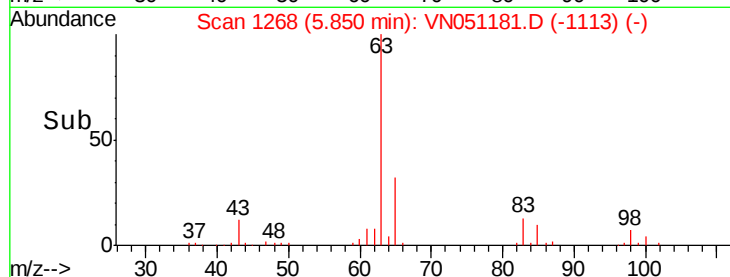
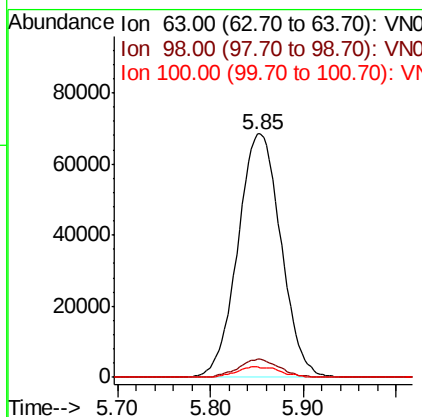
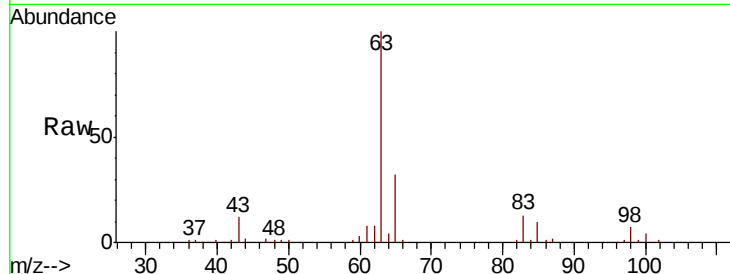
#21
 1,1-Dichloroethane
 Concen: 18.90 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.3	9.9
100	4.2	2.0	6.0

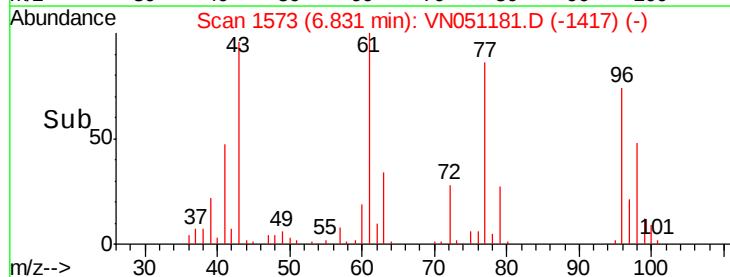
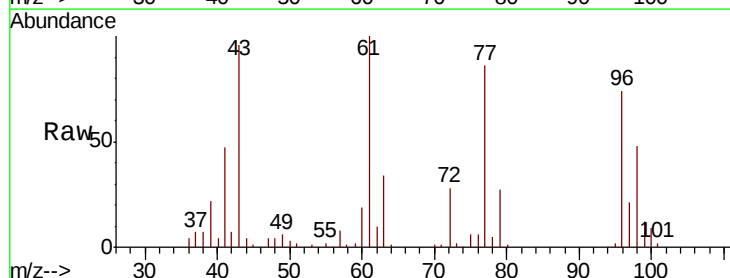
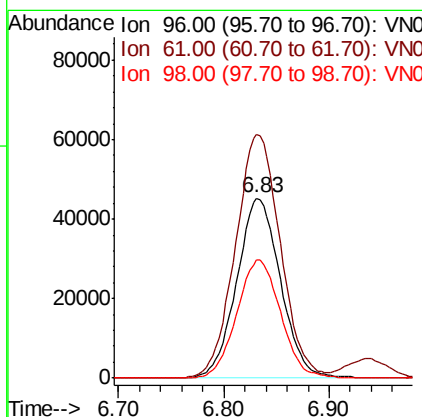
Manual Integrations
 APPROVED

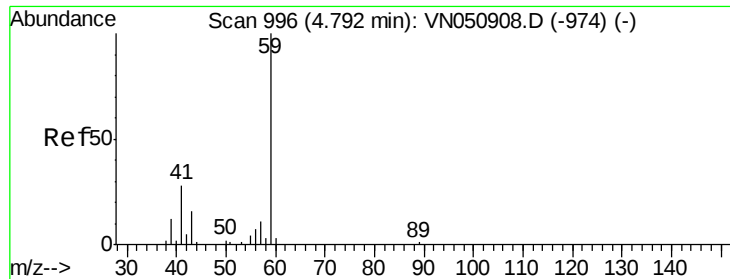
MMDadoda
 9/17/2018 1:39:42 PM



#22
 cis-1,2-Dichloroethene
 Concen: 18.53 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.4	110.0	165.0
98	66.0	51.7	77.5





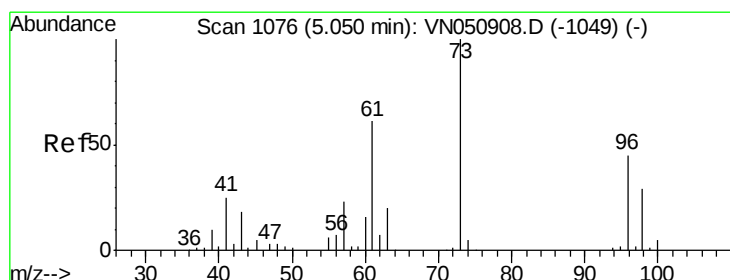
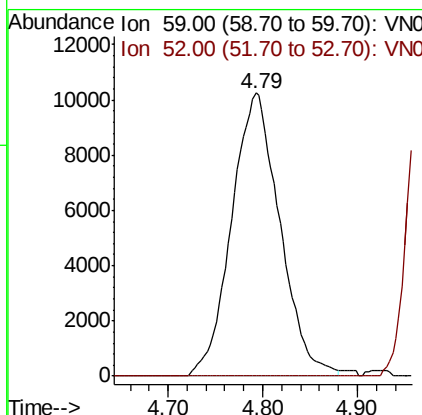
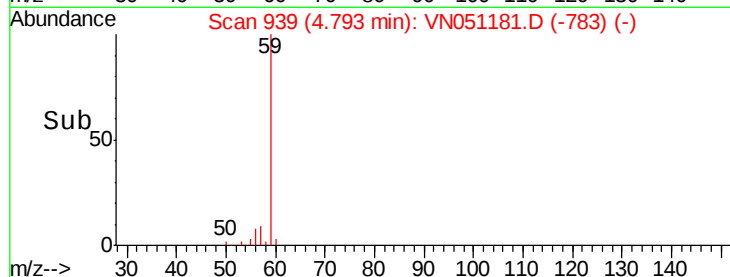
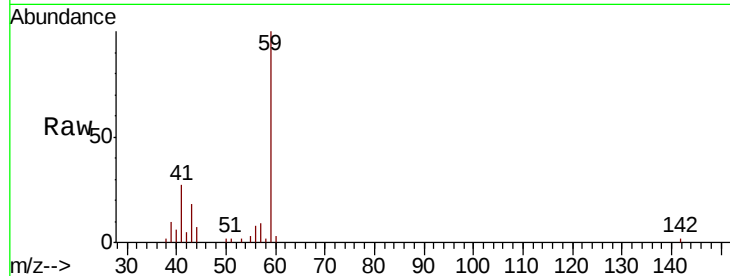
#23
 tert-Butyl Alcohol
 Concen: 74.79 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion: 59 Resp: 36304
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

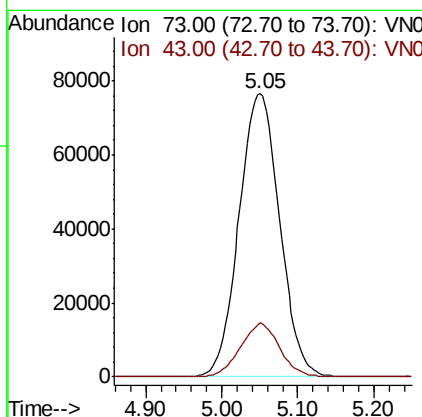
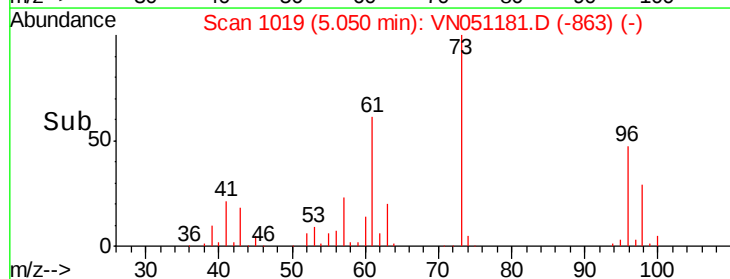
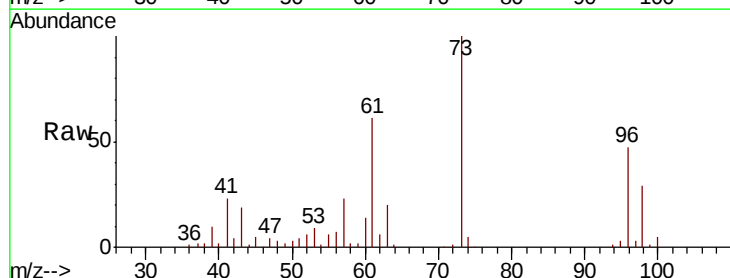
Manual Integrations
 APPROVED

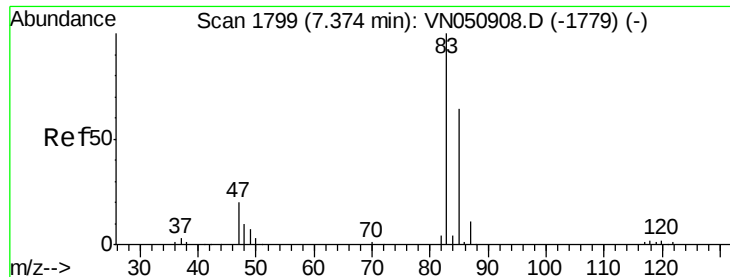
MMDadoda
 9/17/2018 1:39:42 PM



#24
 Methyl tert-Butyl Ether
 Concen: 17.82 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Tgt Ion: 73 Resp: 284606
 Ion Ratio Lower Upper
 73 100
 43 18.3 14.4 21.6





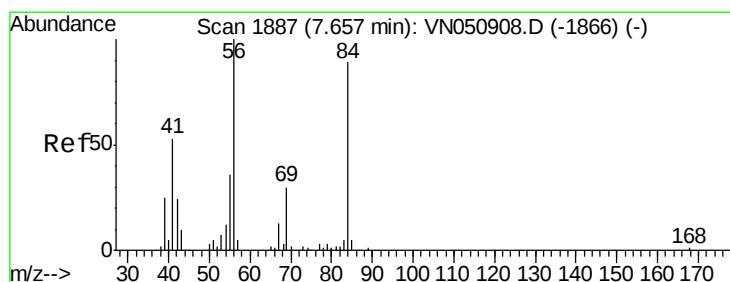
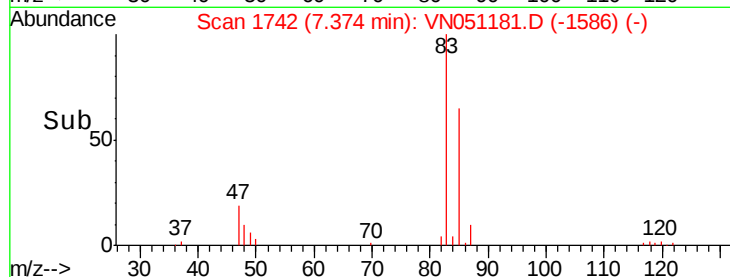
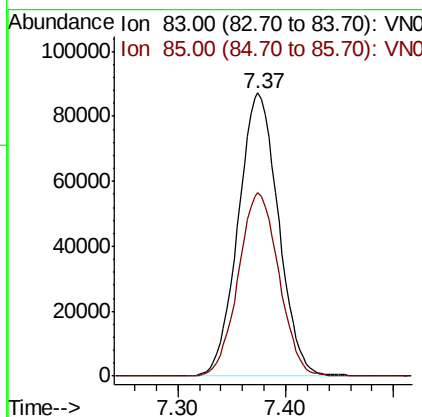
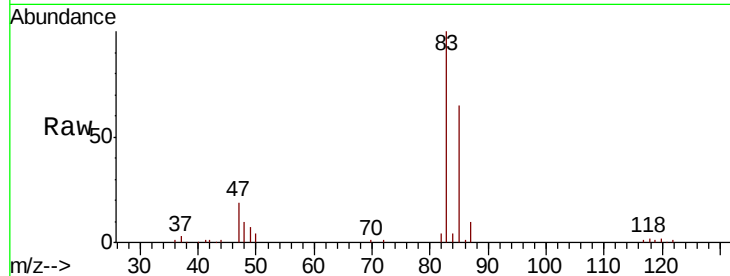
#25
Chloroform
Concen: 19.40 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion: 83 Resp: 226395
Ion Ratio Lower Upper
83 100
85 64.7 51.4 77.0

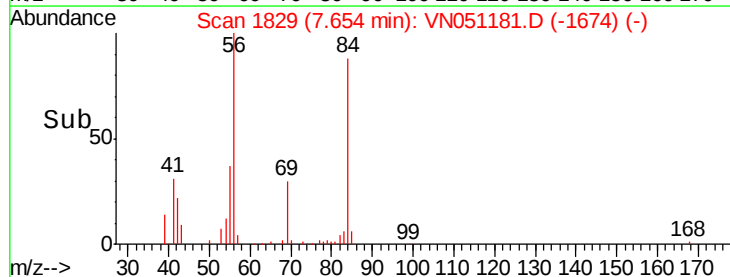
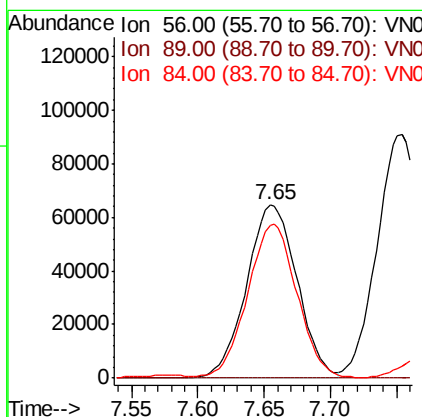
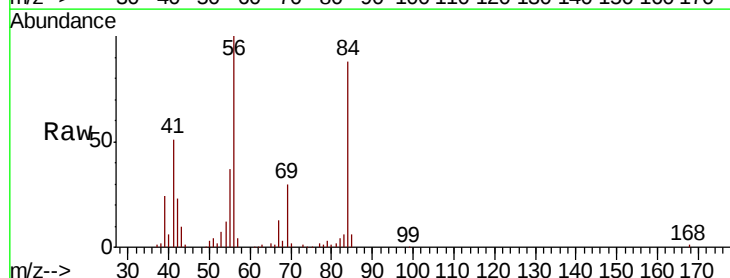
Manual Integrations
APPROVED

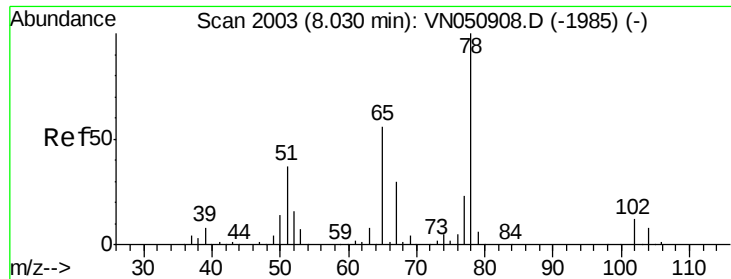
MMDadoda
9/17/2018 1:39:42 PM



#26
Cyclohexane
Concen: 17.78 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion: 56 Resp: 172199
Ion Ratio Lower Upper
56 100
89 0.1 0.4 0.6#
84 87.0 70.4 105.6





#27

1,2-Dichloroethane-d4

Concen: 29.53 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion: 65 Resp: 203591

Ion Ratio Lower Upper

65 100

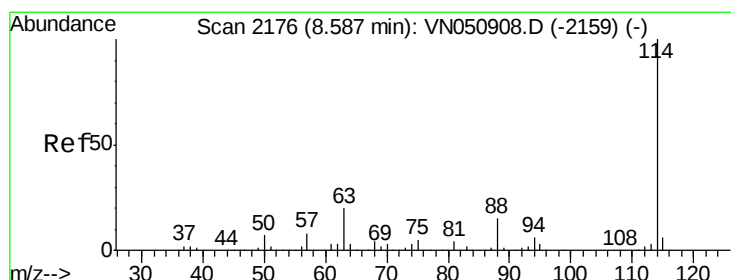
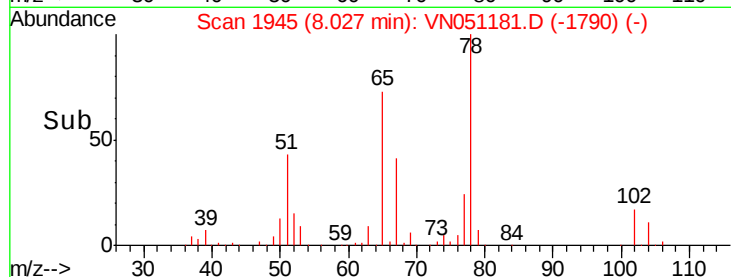
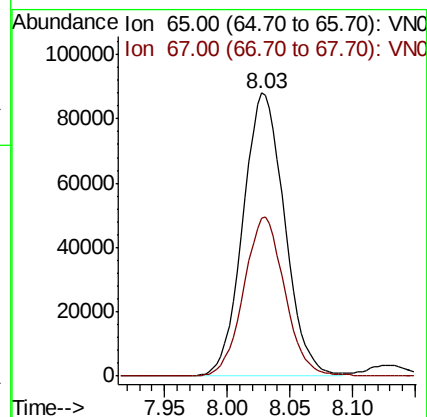
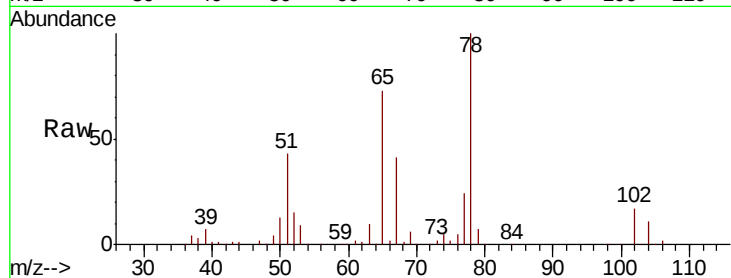
67 55.3 43.7 65.5

Manual Integrations

APPROVED

MMDadoda

9/17/2018 1:39:42 PM



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

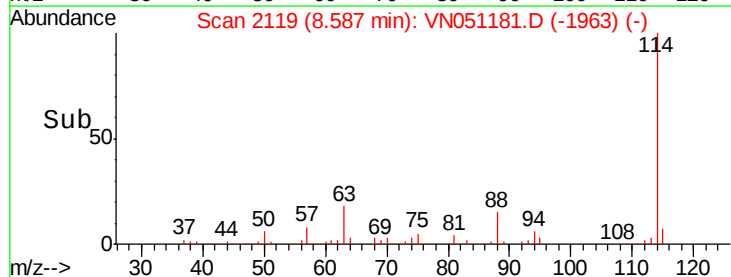
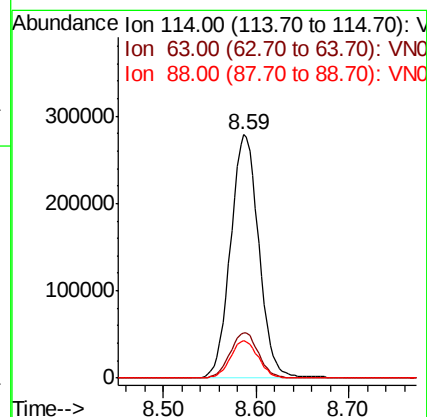
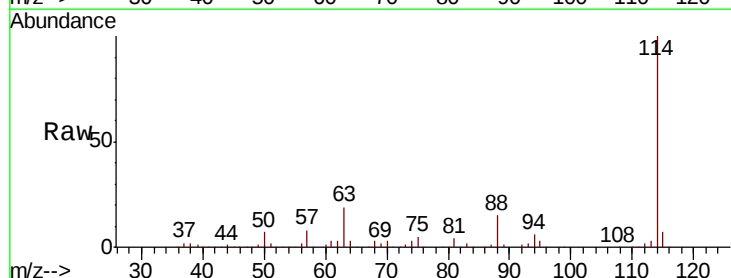
Tgt Ion: 114 Resp: 589474

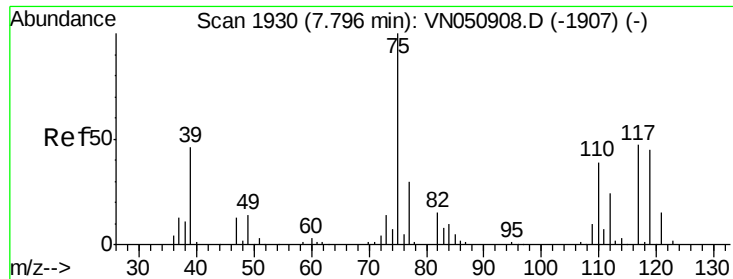
Ion Ratio Lower Upper

114 100

63 18.6 15.6 23.4

88 15.1 12.2 18.4





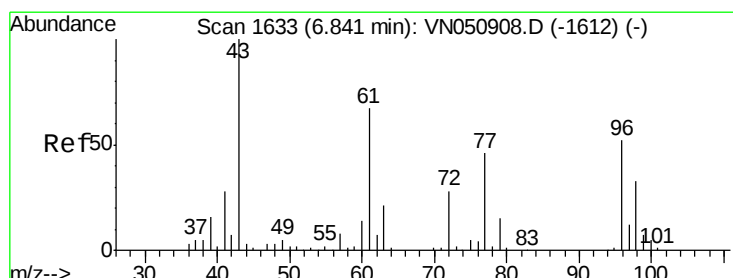
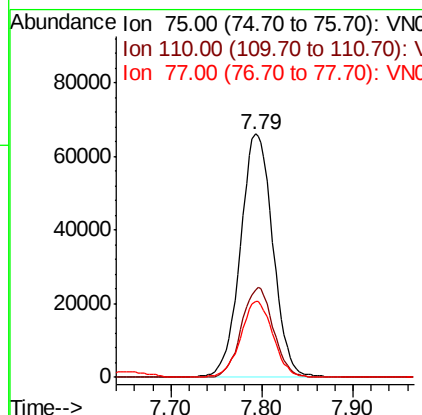
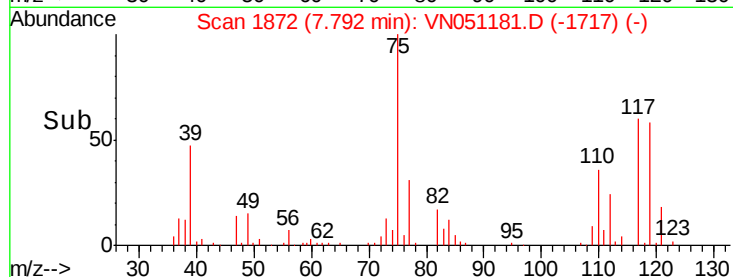
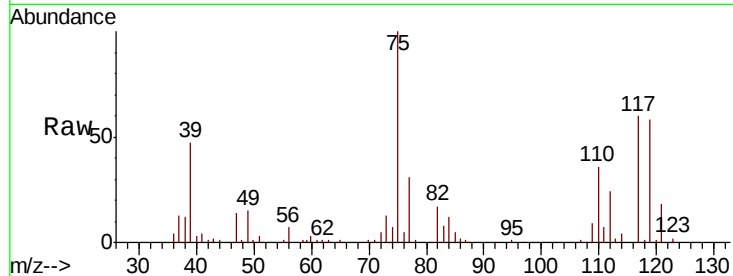
#29
 1,1-Dichloropropene
 Concen: 18.61 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.2	0.0	75.0
77	30.9	0.0	60.6

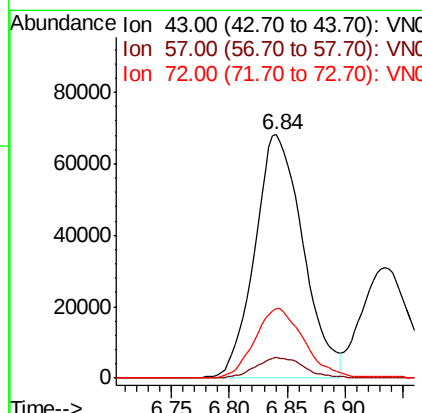
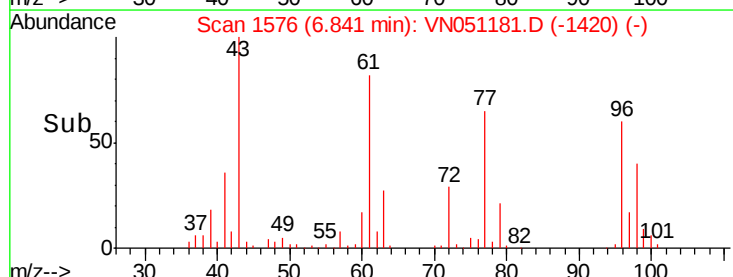
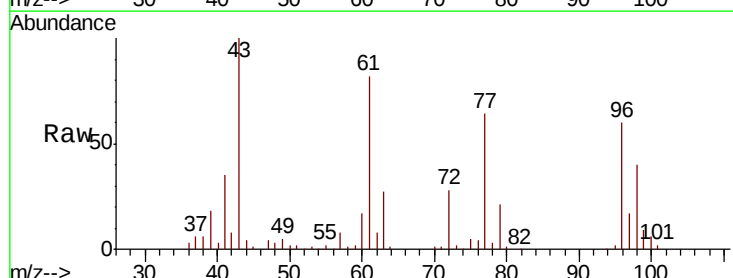
Manual Integrations
 APPROVED

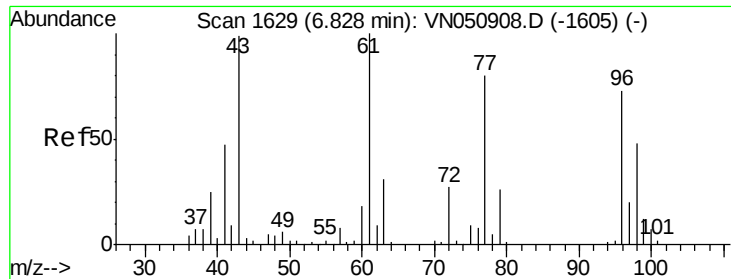
MMDadoda
 9/17/2018 1:39:42 PM



#30
 2-Butanone
 Concen: 73.01 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.5	6.9	10.3
72	29.1	22.8	34.2





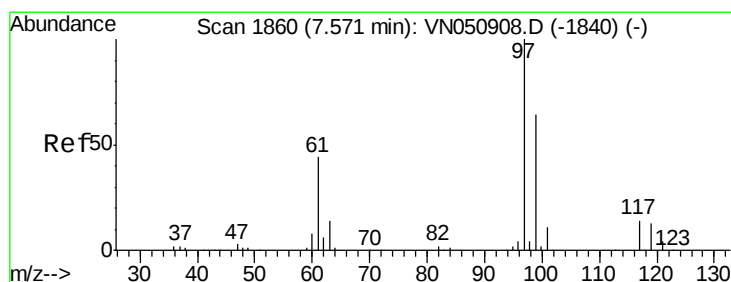
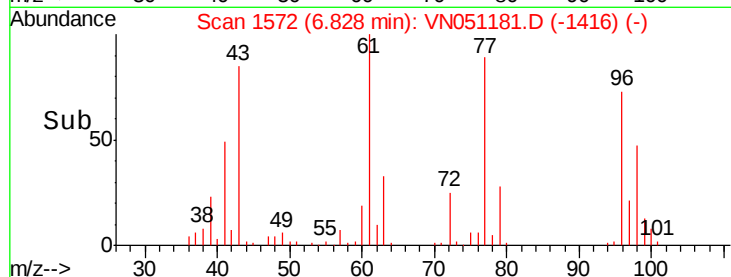
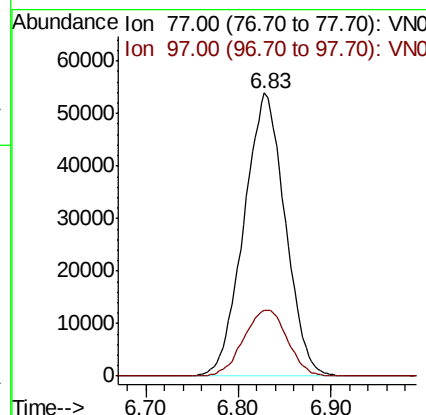
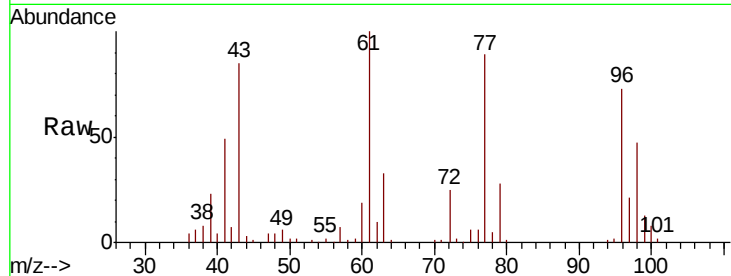
#31
 2,2-Dichloropropane
 Concen: 19.39 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion: 77 Resp: 166503
 Ion Ratio Lower Upper
 77 100
 97 24.7 20.2 30.2

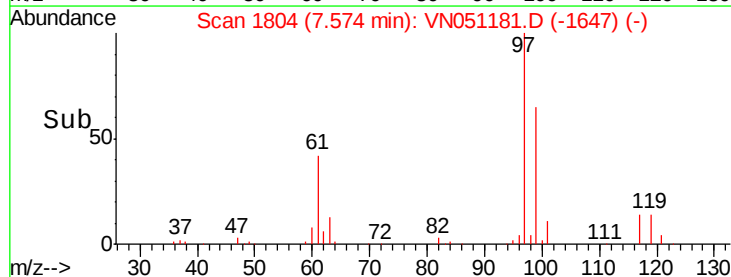
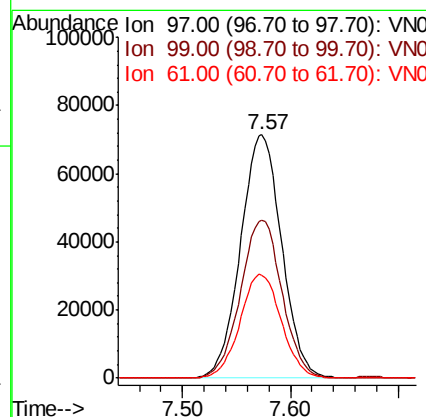
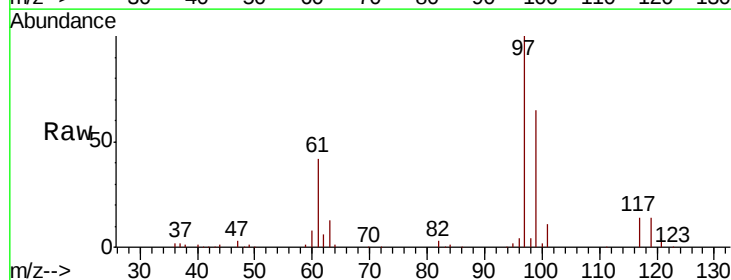
Manual Integrations
 APPROVED

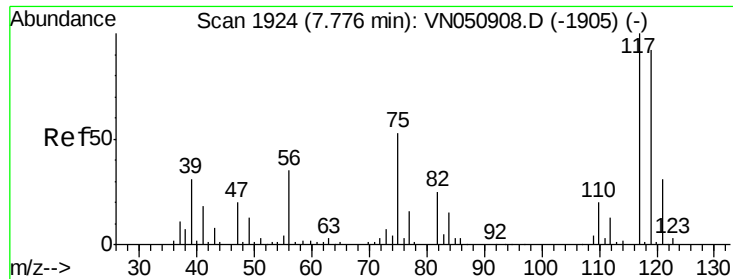
MMDadoda
 9/17/2018 1:39:42 PM



#32
 1,1,1-Trichloroethane
 Concen: 18.92 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Tgt Ion: 97 Resp: 189349
 Ion Ratio Lower Upper
 97 100
 99 65.5 52.0 78.0
 61 42.8 35.0 52.6





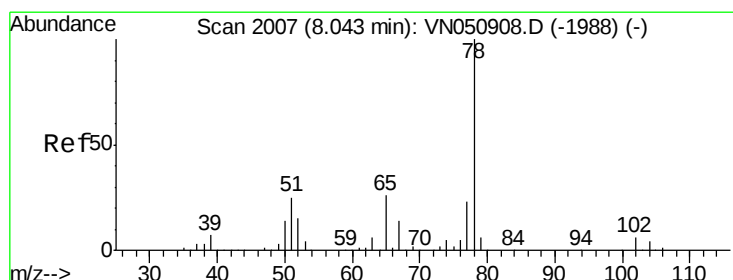
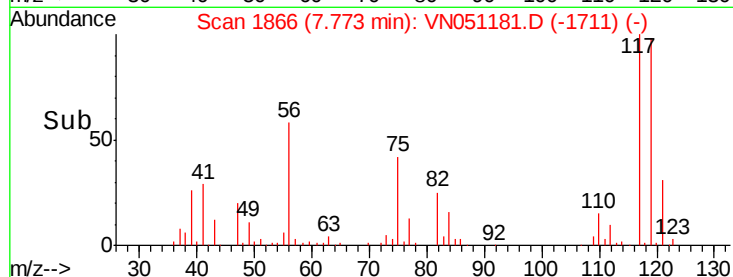
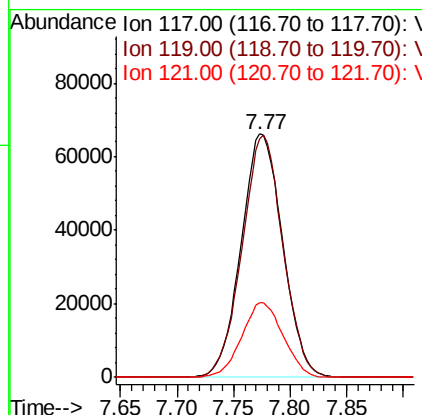
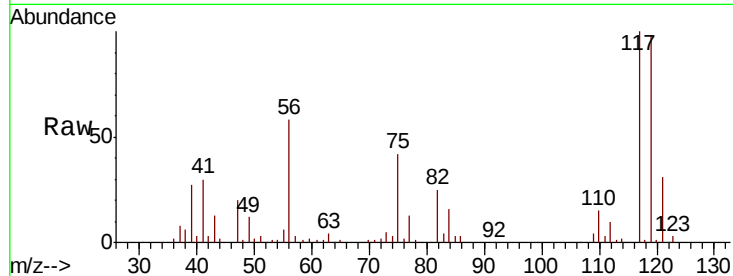
#33
Carbon Tetrachloride
Concen: 18.76 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.9	73.5	110.3
121	30.9	24.6	37.0

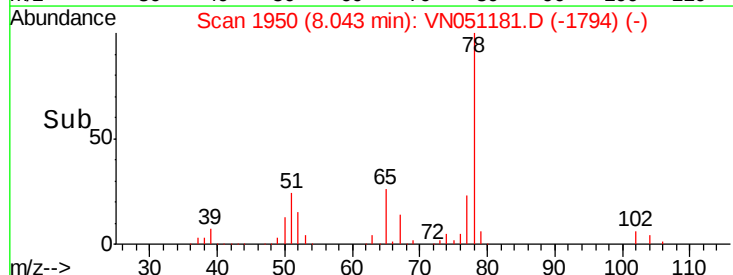
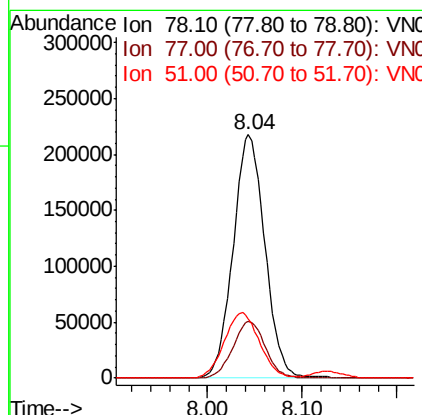
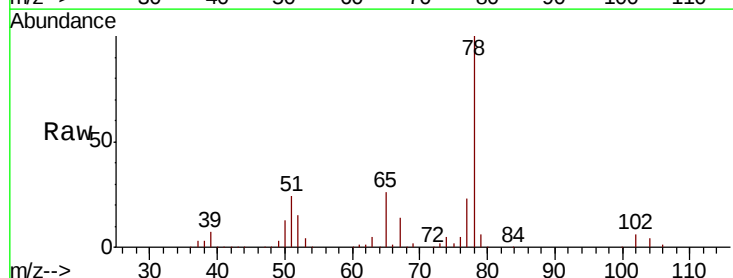
Manual Integrations
APPROVED

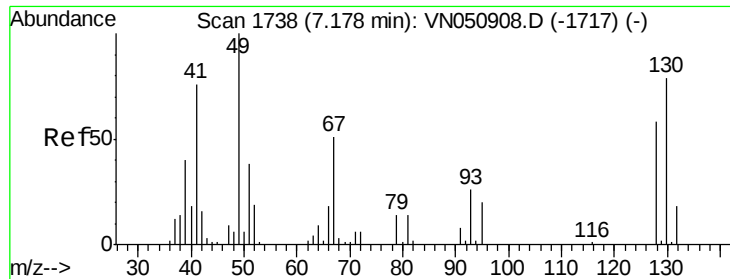
MMDadoda
9/17/2018 1:39:42 PM



#34
Benzene
Concen: 18.58 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.6	28.0
51	24.2	20.0	30.0





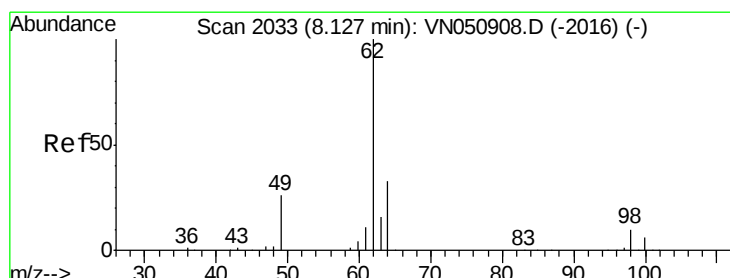
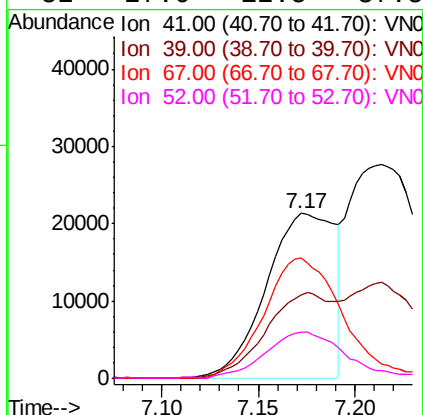
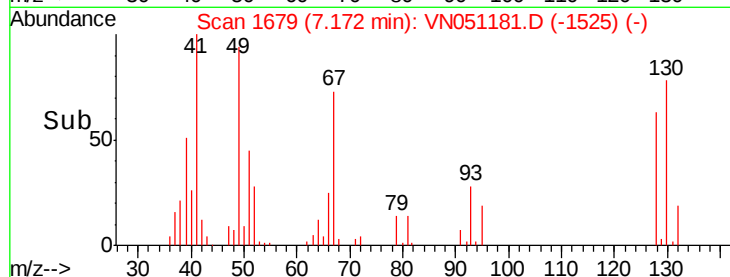
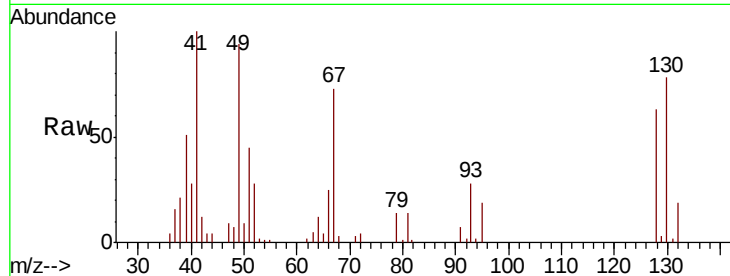
#35
Methacrylonitrile
Concen: 17.71 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.6	26.2	78.5
67	72.7	33.9	101.6
52	27.0	12.5	37.5

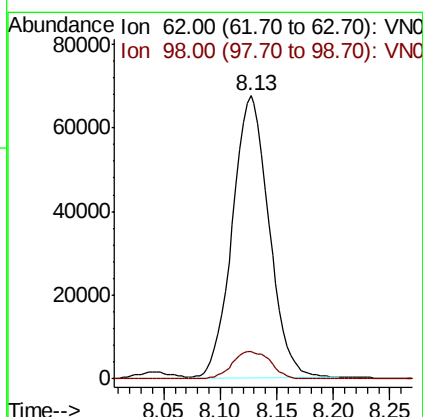
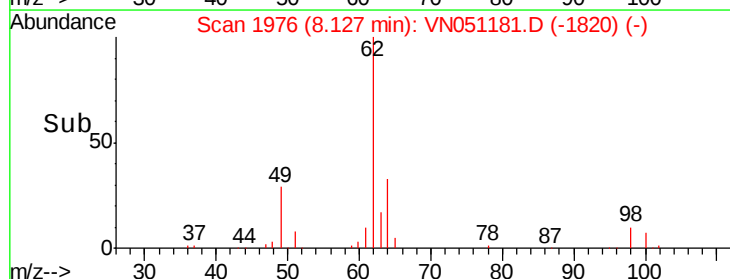
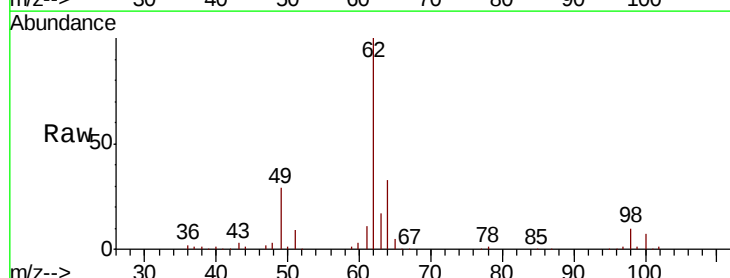
Manual Integrations
APPROVED

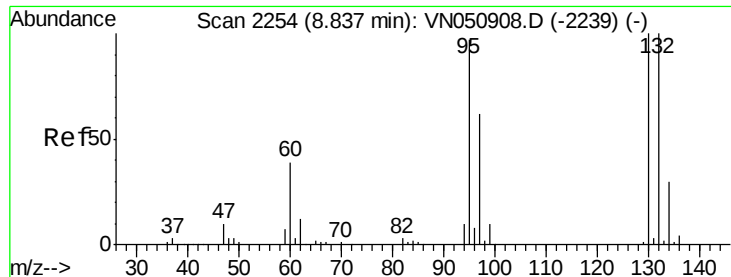
MMDadoda
9/17/2018 1:39:42 PM



#36
1,2-Dichloroethane
Concen: 18.44 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	8.0	12.0





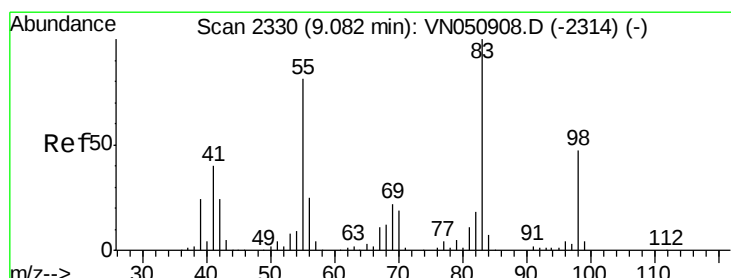
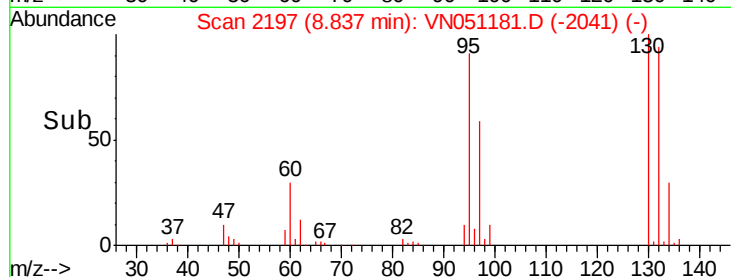
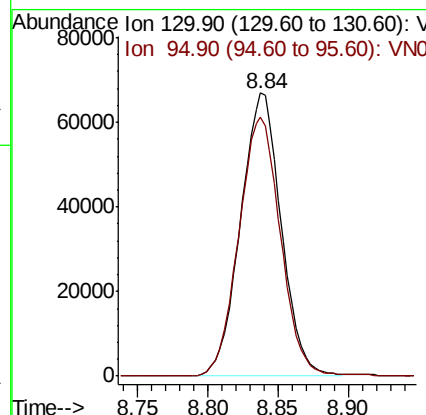
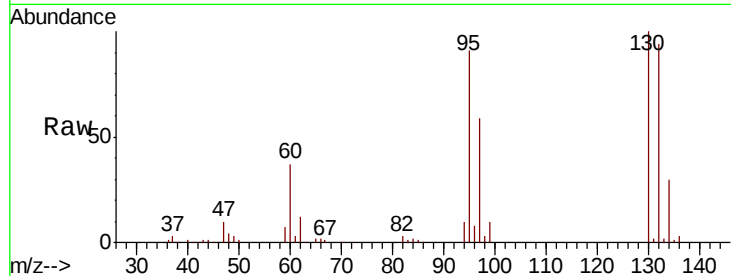
#37
 Trichloroethene
 Concen: 18.92 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion:130 Resp: 135032
 Ion Ratio Lower Upper
 130 100
 95 91.4 77.4 116.0

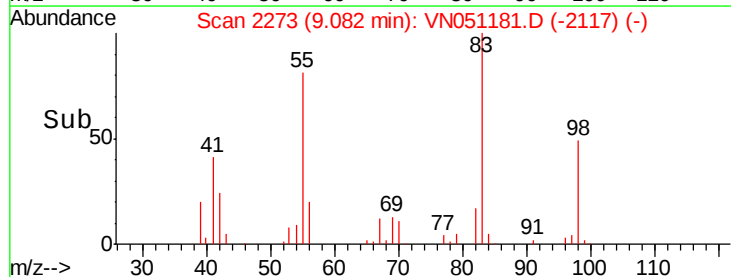
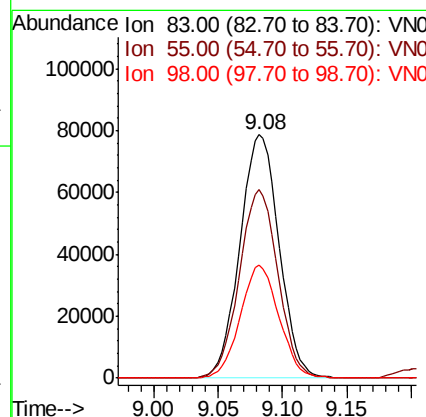
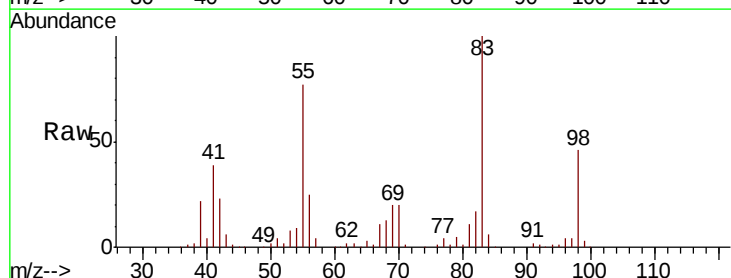
Manual Integrations
 APPROVED

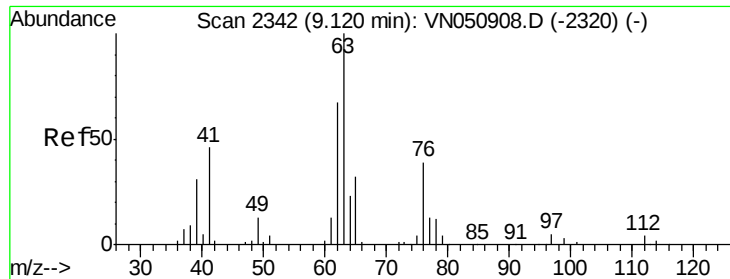
MMDadoda
 9/17/2018 1:39:42 PM



#38
 Methylcyclohexane
 Concen: 17.57 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Tgt Ion: 83 Resp: 166512
 Ion Ratio Lower Upper
 83 100
 55 76.4 38.9 116.7
 98 45.9 22.9 68.7





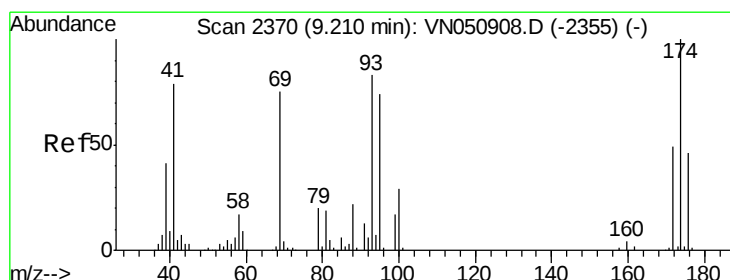
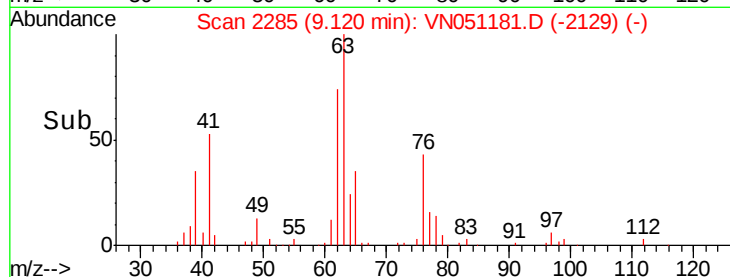
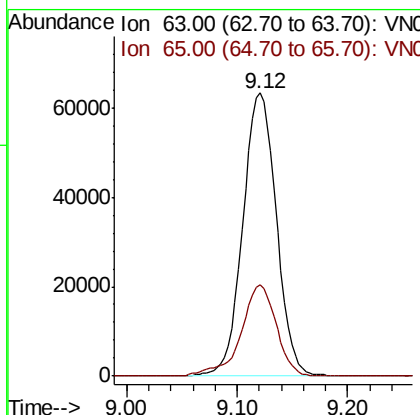
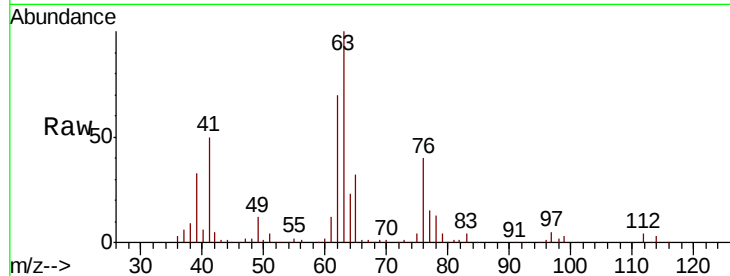
#39
 1,2-Dichloropropane
 Concen: 18.75 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion: 63 Resp: 133690
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.6 38.4

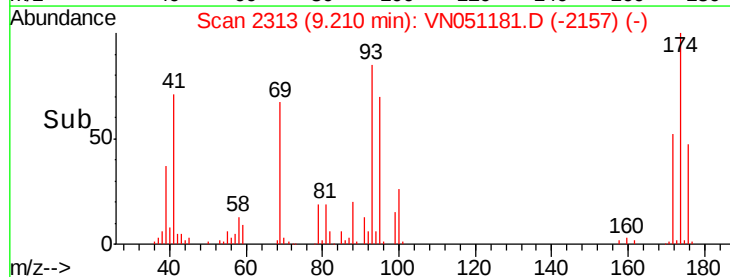
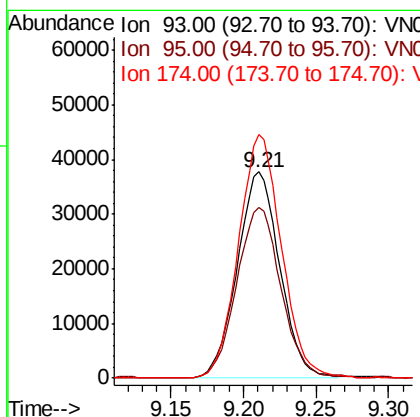
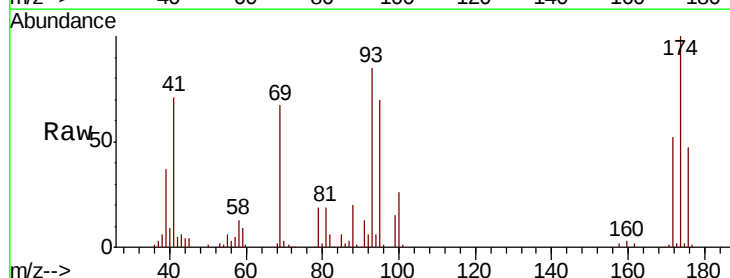
Manual Integrations
 APPROVED

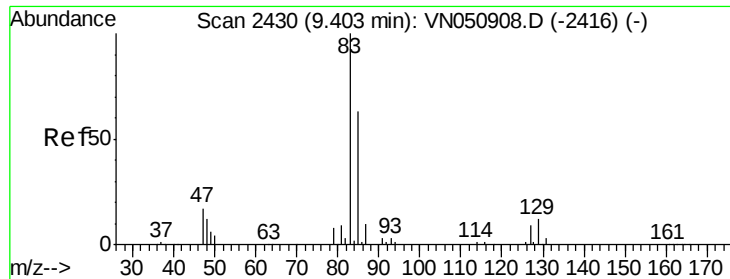
MMDadoda
 9/17/2018 1:39:42 PM



#40
 Dibromomethane
 Concen: 17.95 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Tgt Ion: 93 Resp: 77095
 Ion Ratio Lower Upper
 93 100
 95 85.8 0.0 173.4
 174 118.7 0.0 234.8





#41

Bromodichloromethane

Concen: 18.76 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

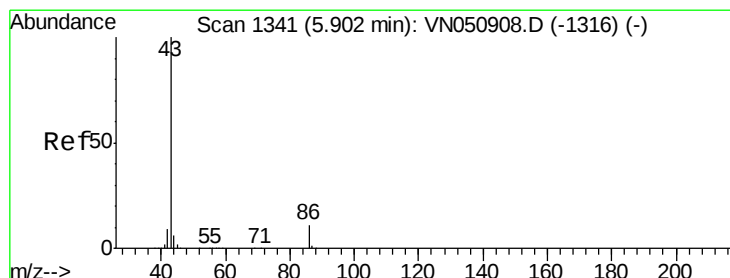
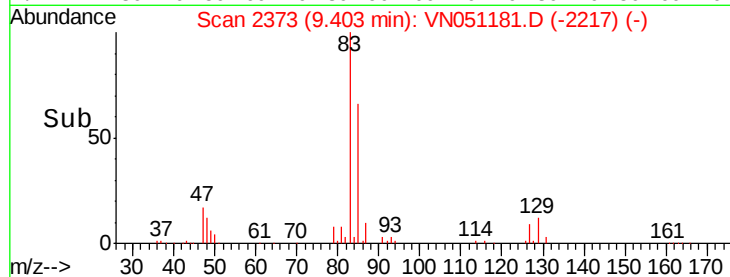
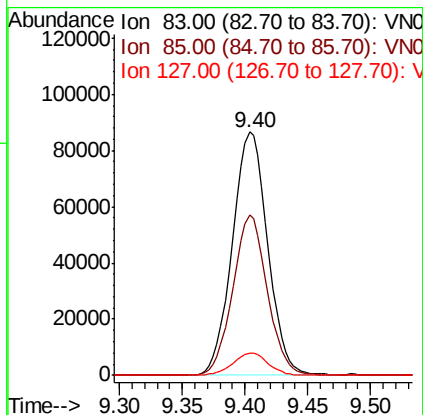
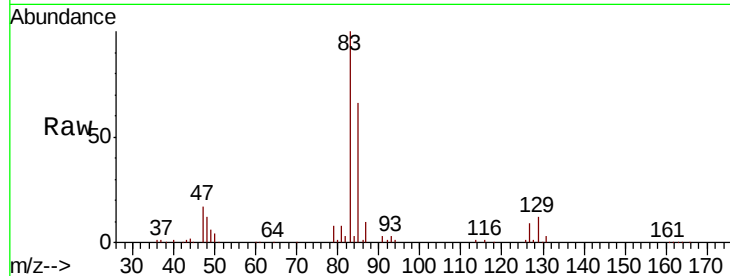
ClientSampleId :

VN0914WBSD01

Tot Ion:	83	Resp:	169895
Ion Ratio	Lower	Upper	
83	100		
85	66.0	50.6	76.0
127	9.0	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
9/17/2018 1:39:42 PM



#42

Vinyl Acetate

Concen: 87.45 ug/l

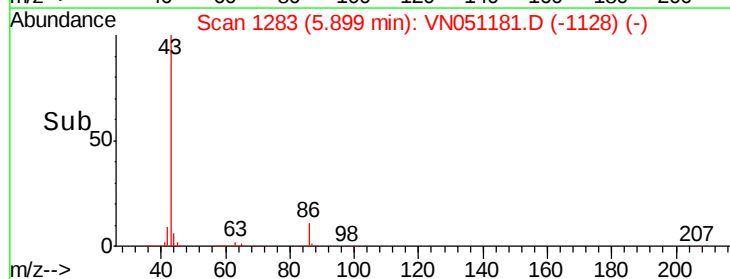
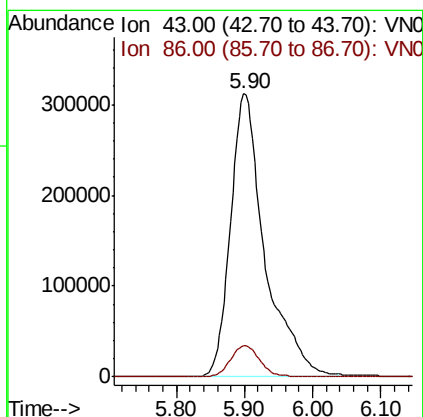
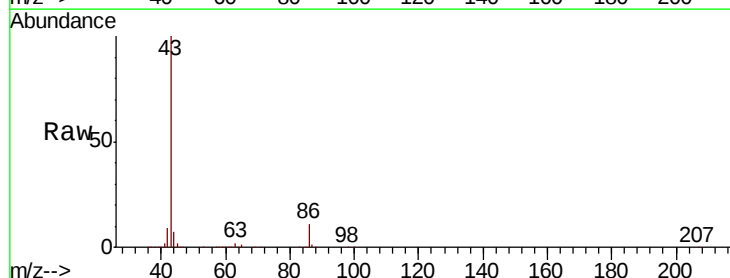
RT: 5.90 min Scan# 1283

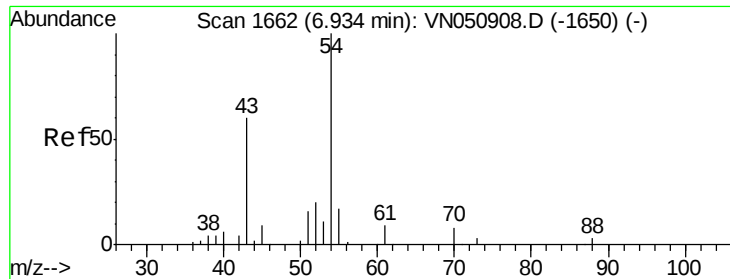
Delta R.T. -0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Tgt Ion:	43	Resp:	1093542
Ion Ratio	Lower	Upper	
43	100		
86	9.5	7.2	10.8





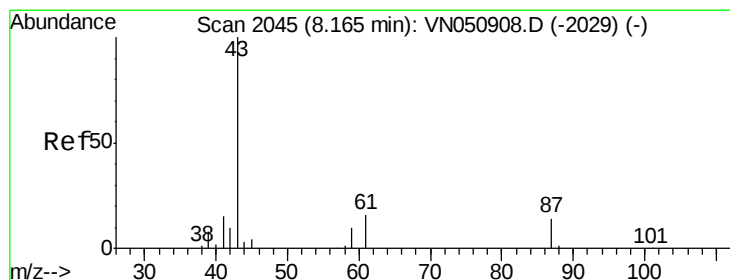
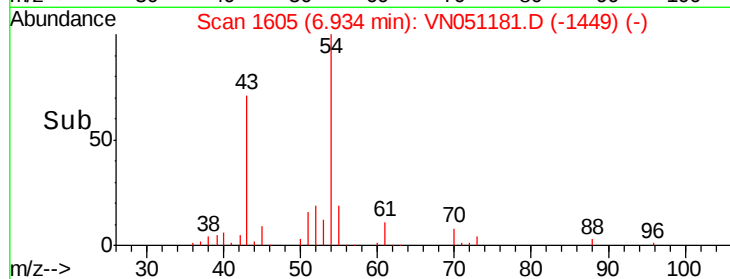
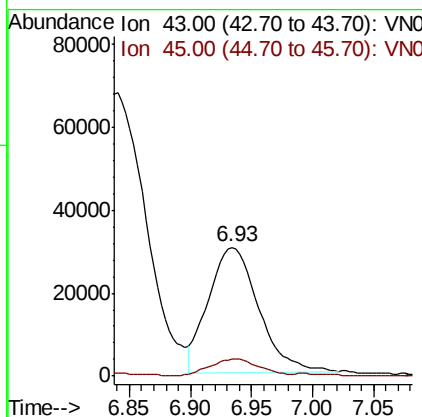
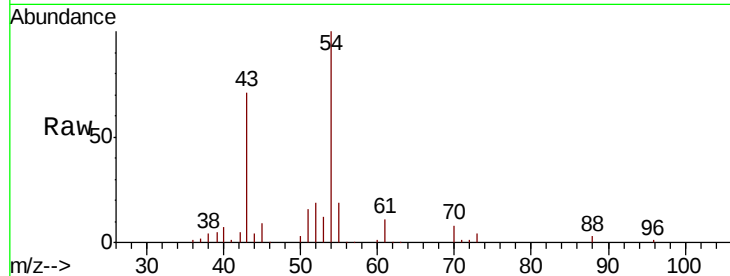
#43
Ethyl Acetate
Concen: 15.62 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	43	45	Ratio	Lower	Upper
86890	100	13.6		10.2	15.2

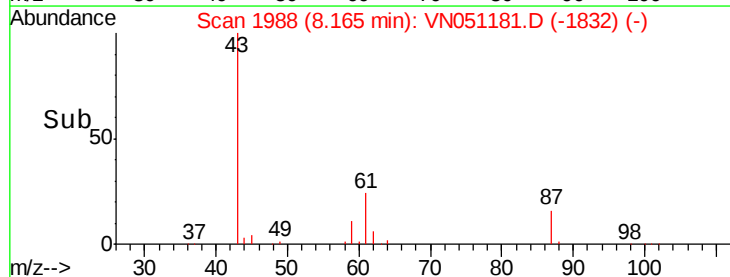
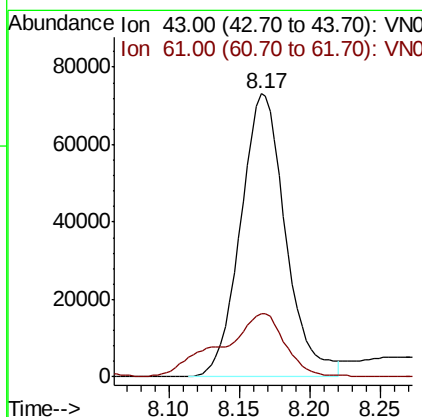
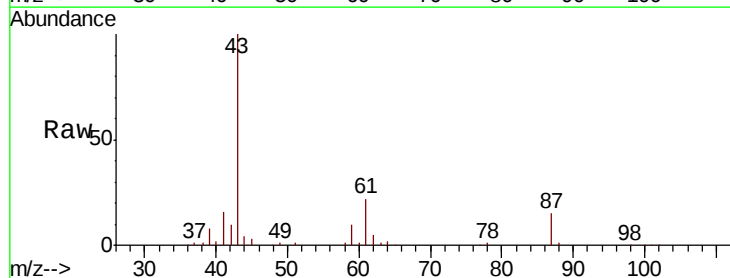
Manual Integrations
APPROVED

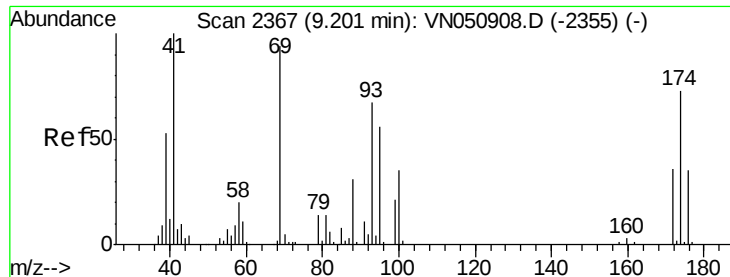
MMDadoda
9/17/2018 1:39:42 PM



#44
Isopropyl Acetate
Concen: 16.66 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion	43	61	Ratio	Lower	Upper
163480	100	21.5		16.3	24.5





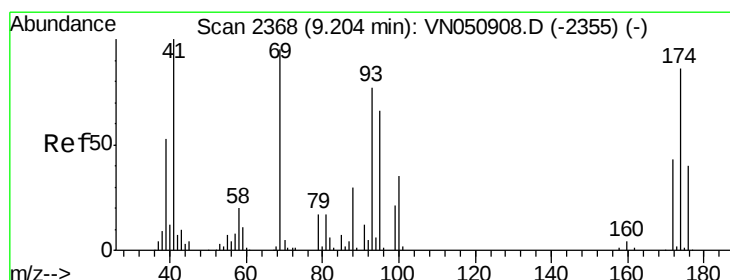
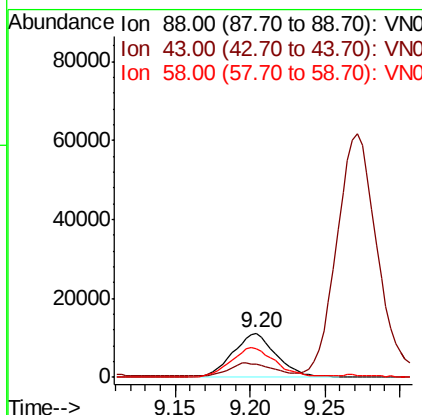
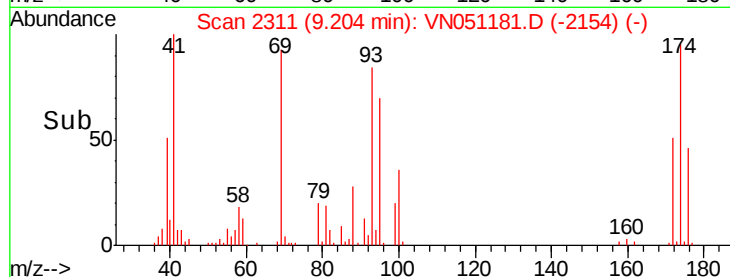
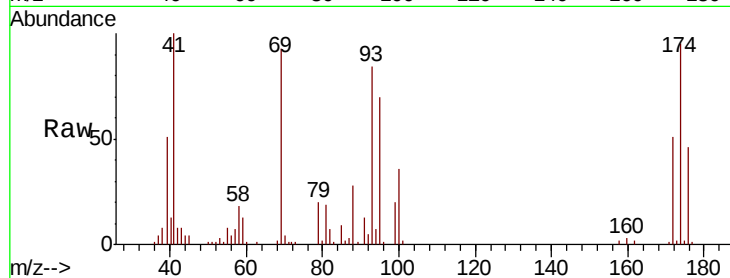
#45
 1,4-Dioxane
 Concen: 310.00 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.7	23.5	35.3
58	69.2	55.2	82.8

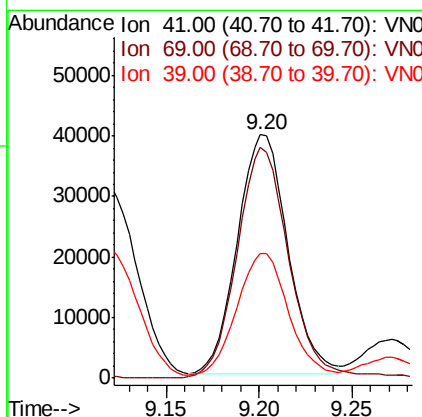
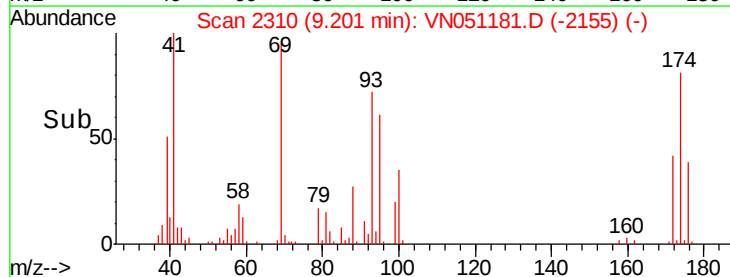
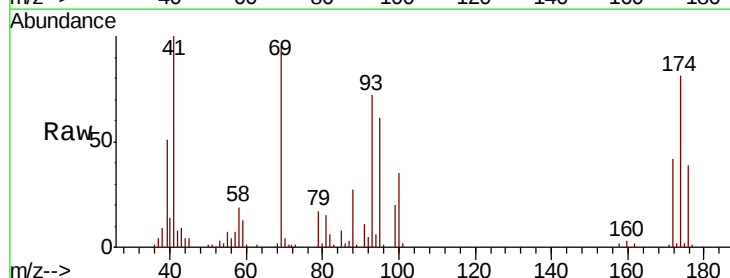
Manual Integrations
 APPROVED

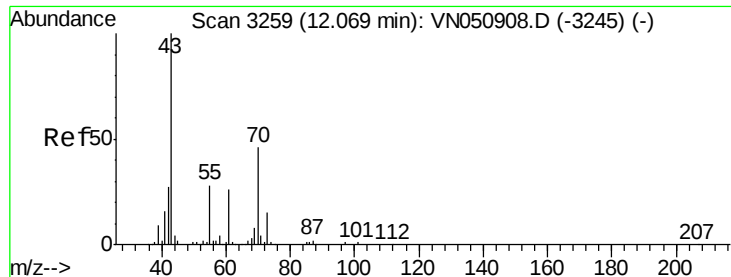
MMDadoda
 9/17/2018 1:39:42 PM



#46
 Methyl methacrylate
 Concen: 15.26 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Tgt Ion	Ratio	Lower	Upper
41	100		
69	95.9	47.4	142.2
39	51.0	26.6	79.7





#47

n-amyl Acetate

Concen: 13.75 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampled :

VN0914WBSD01

Tot Ion: 43 Resp: 108489

Ion Ratio Lower Upper

43 100

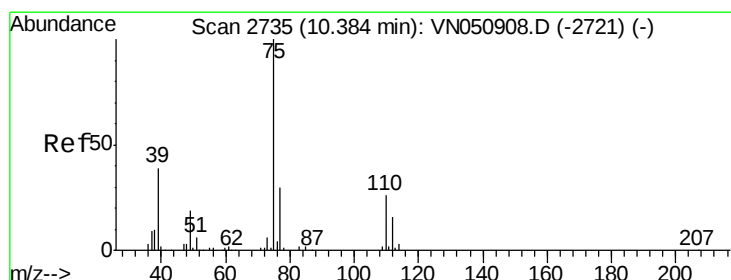
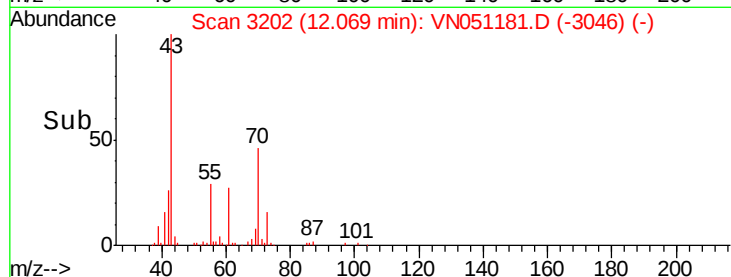
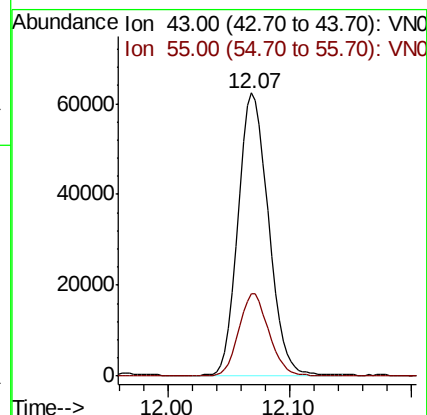
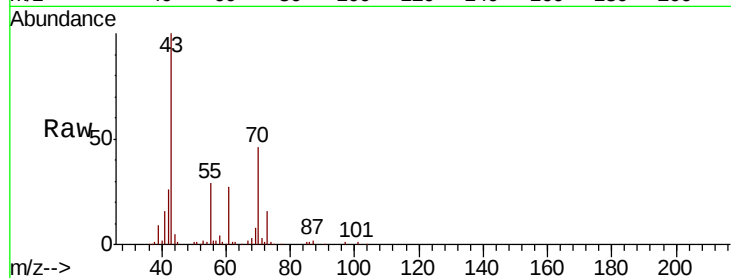
55 28.7 23.0 34.4

Manual Integrations

APPROVED

MMDadoda

9/17/2018 1:39:42 PM



#48

t-1,3-Dichloropropene

Concen: 17.18 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051181.D

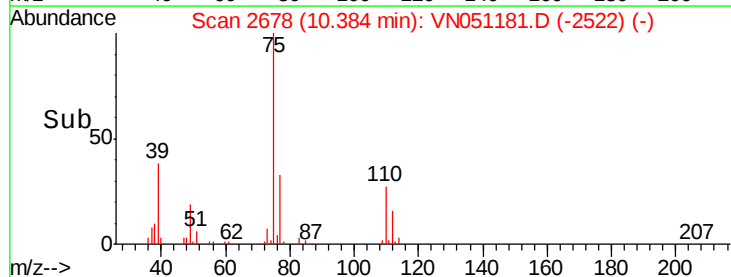
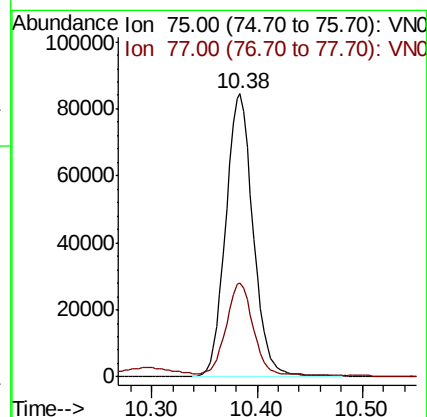
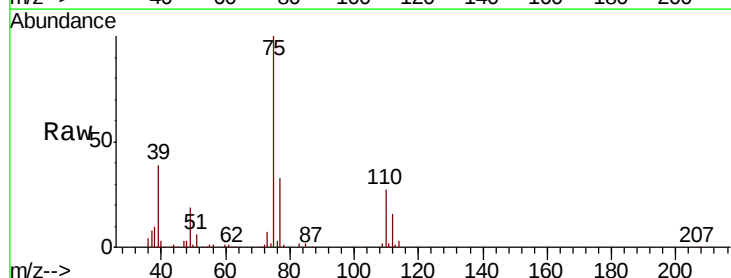
Acq: 14 Sep 2018 11:30

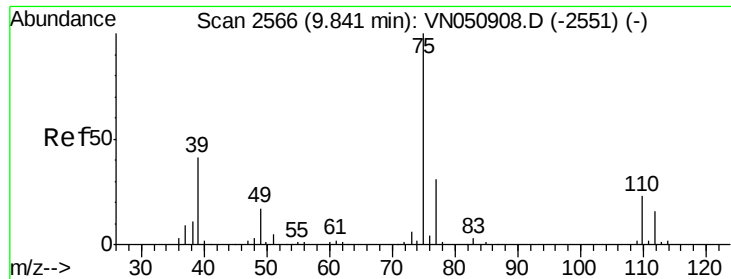
Tgt Ion: 75 Resp: 152501

Ion Ratio Lower Upper

75 100

77 32.9 24.8 37.2





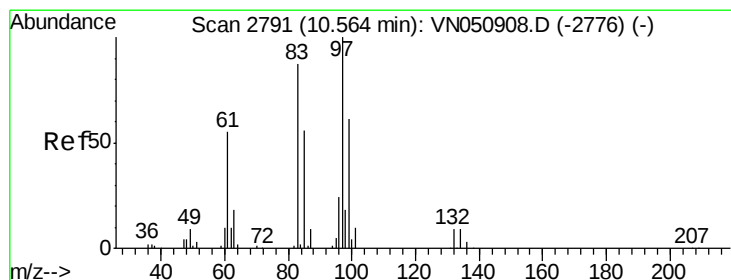
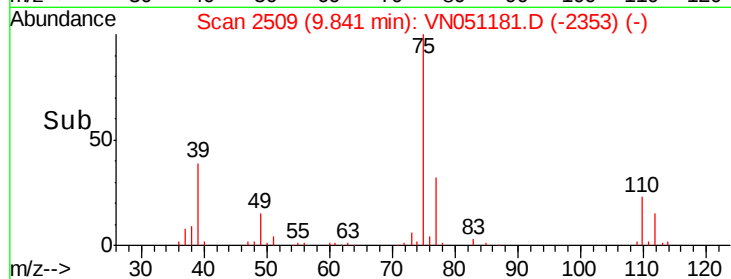
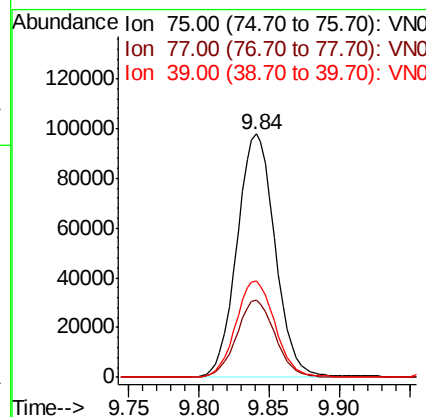
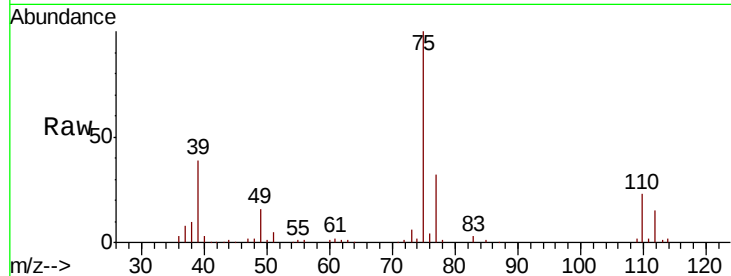
#49
 cis-1,3-Dichloropropene
 Concen: 18.15 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.4
39	39.3	32.9	49.3

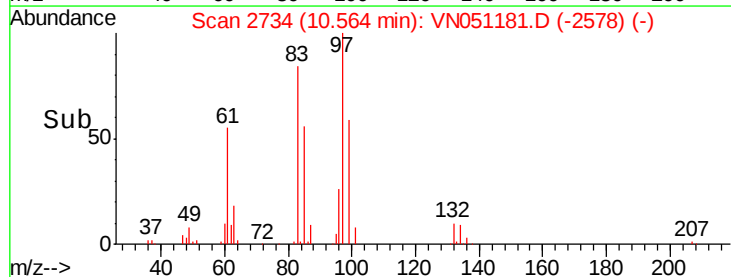
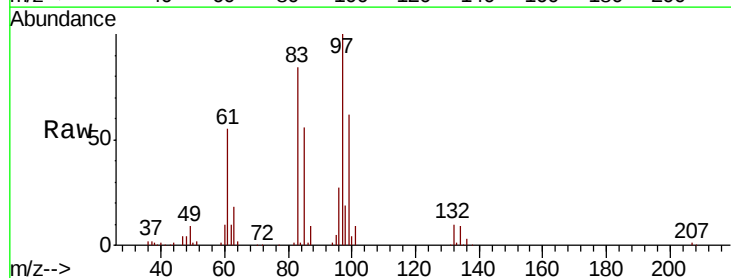
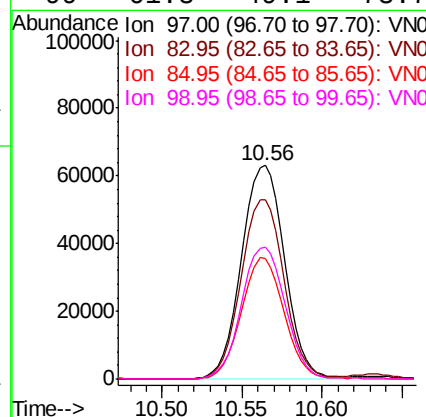
Manual Integrations
 APPROVED

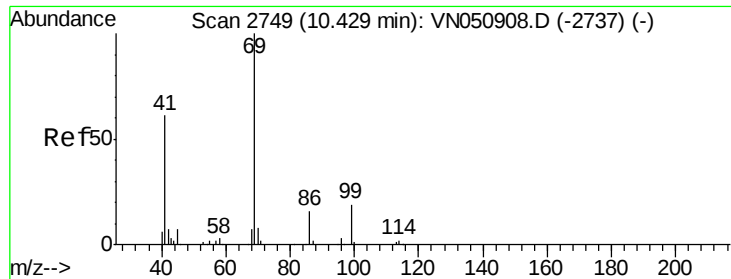
MMDadoda
 9/17/2018 1:39:42 PM



#50
 1,1,2-Trichloroethane
 Concen: 18.64 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.0	69.8	104.6
85	56.4	45.0	67.6
99	61.8	49.1	73.7





#51

Ethyl methacrylate

Concen: 16.05 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

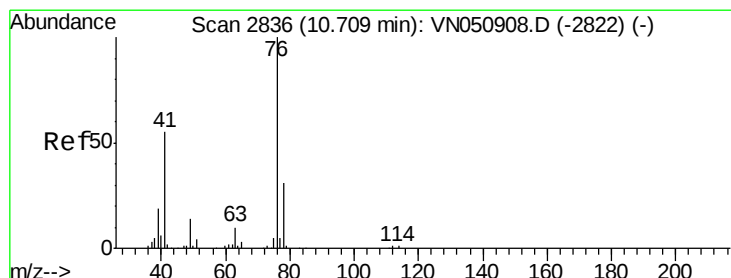
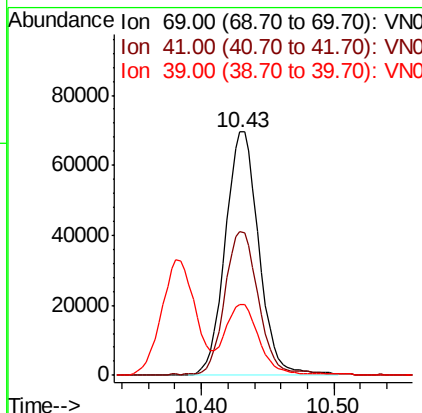
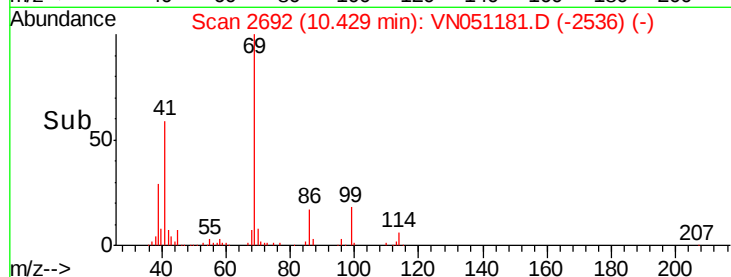
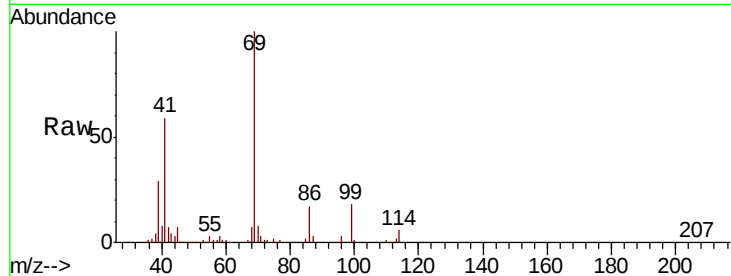
ClientSampleId :

VN0914WBSD01

Tot Ion:	69	Resp:	122566
Ion	Ratio	Lower	Upper
69	100		
41	58.7	30.5	91.5
39	28.8	15.3	45.8

Manual Integrations
APPROVED

MMDadoda
9/17/2018 1:39:42 PM



#52

1,3-Dichloropropane

Concen: 18.00 ug/l

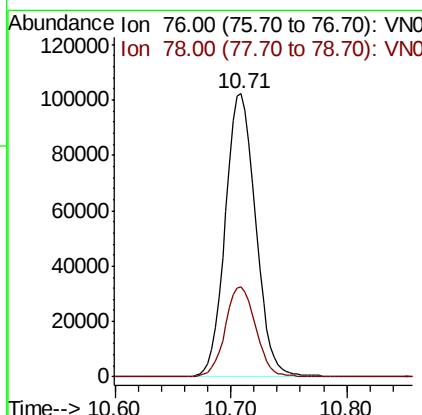
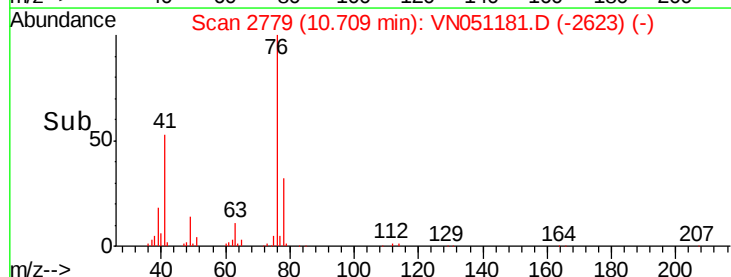
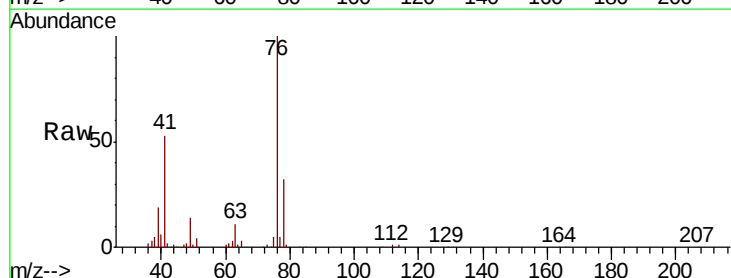
RT: 10.71 min Scan# 2779

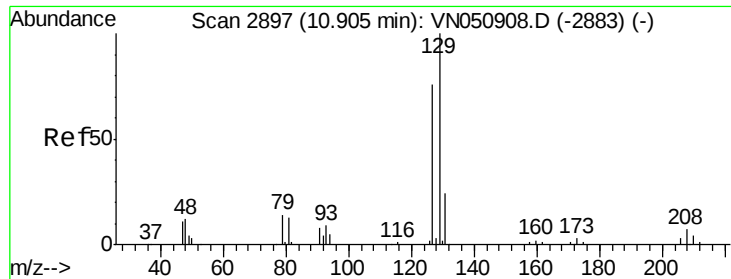
Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Tgt Ion:	76	Resp:	186020
Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	63.4





#53

Dibromochloromethane

Concen: 18.34 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion:129 Resp: 130162

Ion Ratio Lower Upper

129 100

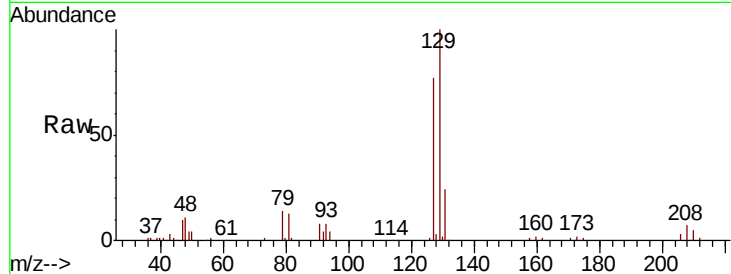
127 75.0 39.0 116.9

Manual Integrations

APPROVED

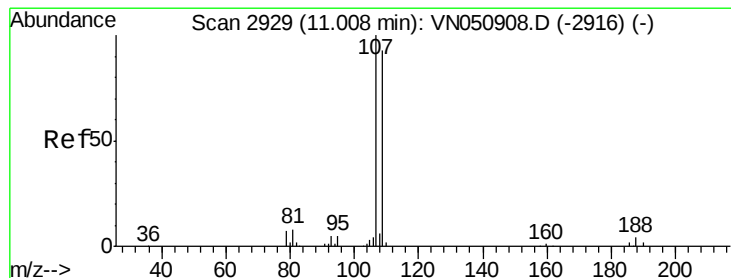
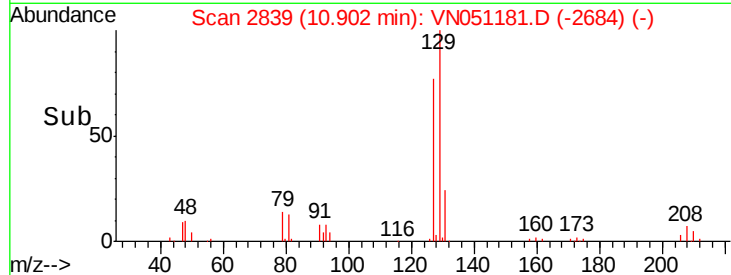
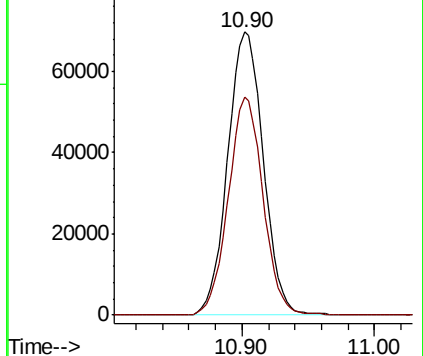
MMDadoda

9/17/2018 1:39:42 PM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 17.28 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051181.D

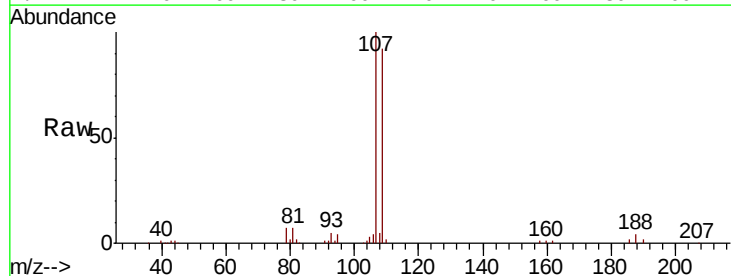
Acq: 14 Sep 2018 11:30

Tgt Ion:107 Resp: 106638

Ion Ratio Lower Upper

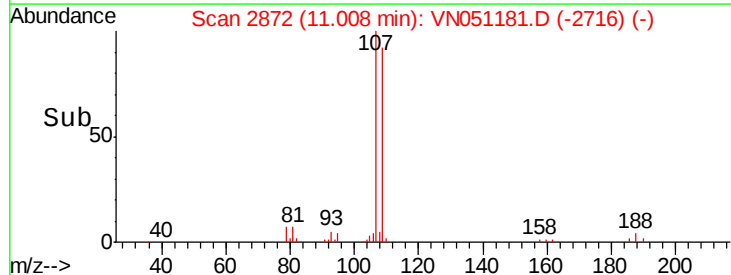
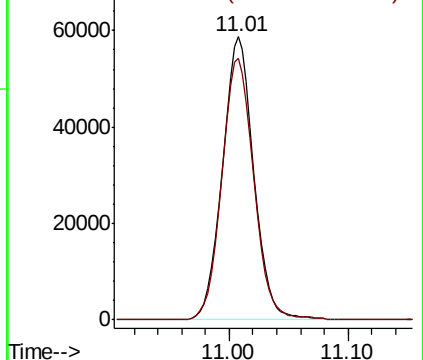
107 100

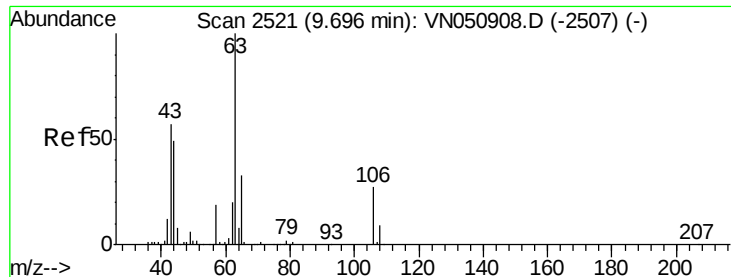
109 94.0 74.4 111.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





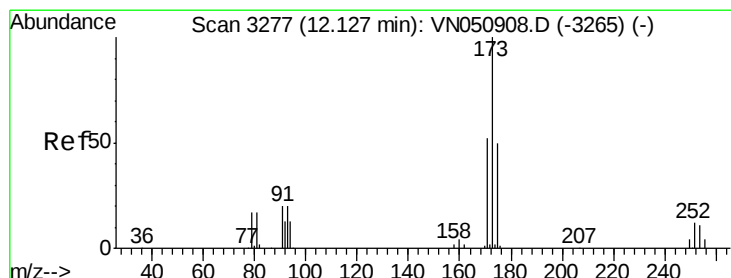
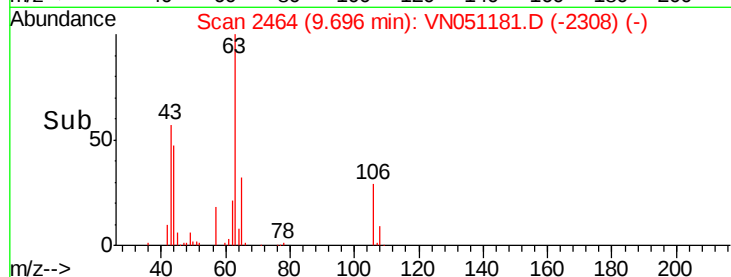
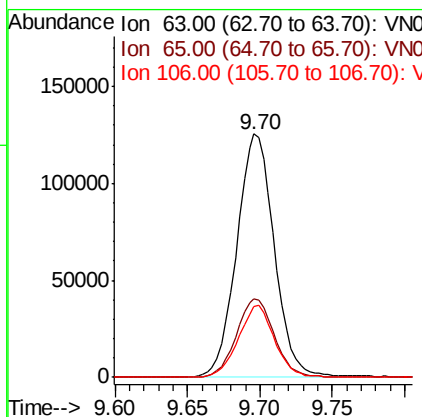
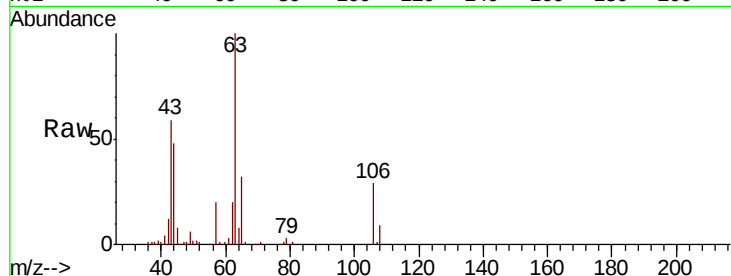
#55
2-Chloroethyl vinyl ether
Concen: 71.02 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.4	38.2
106	28.4	22.0	33.0

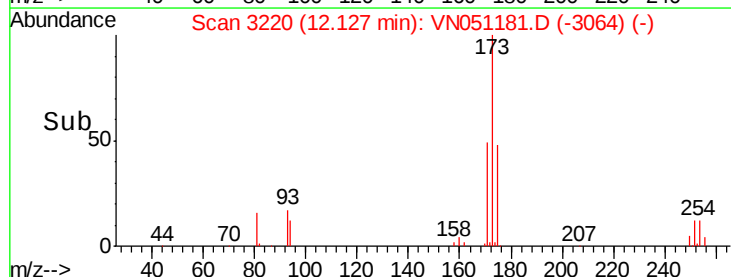
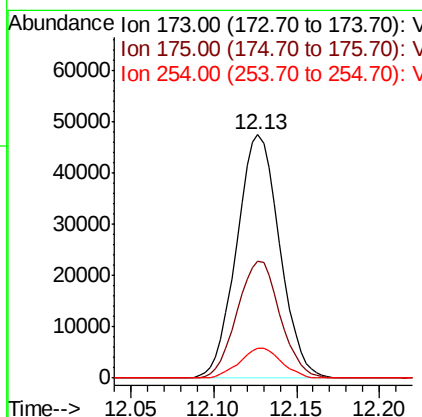
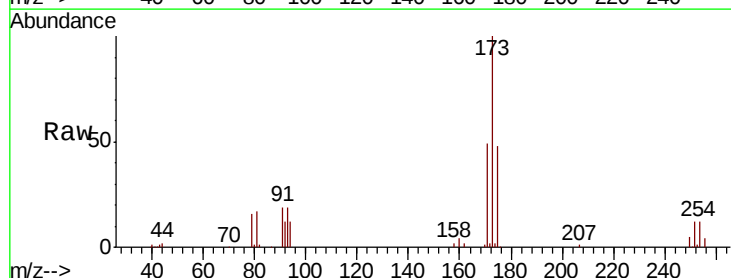
Manual Integrations
APPROVED

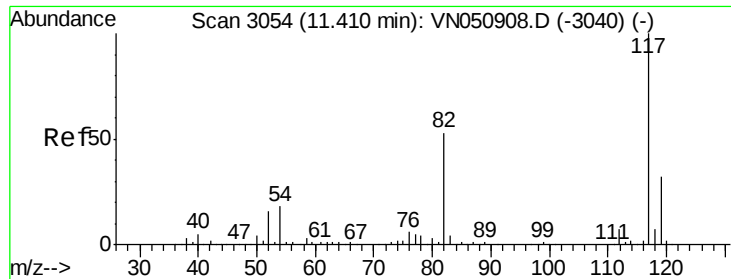
MMDadoda
9/17/2018 1:39:42 PM



#56
Bromoform
Concen: 16.98 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.9	39.2	58.8
254	11.9	9.0	13.6





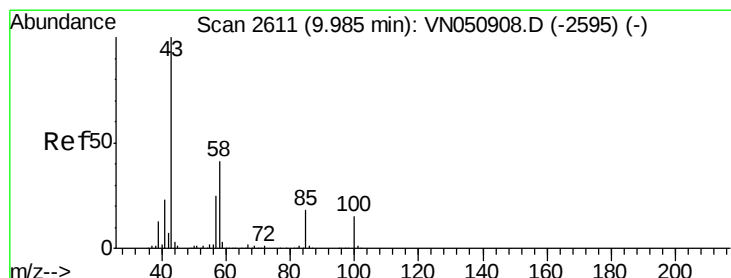
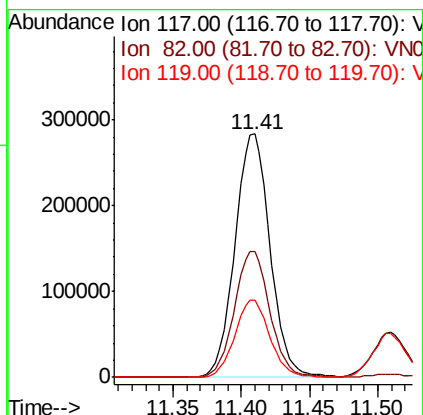
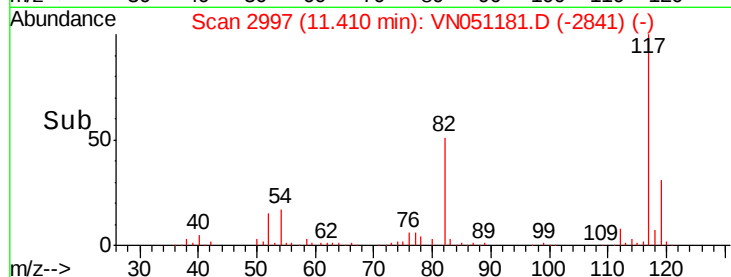
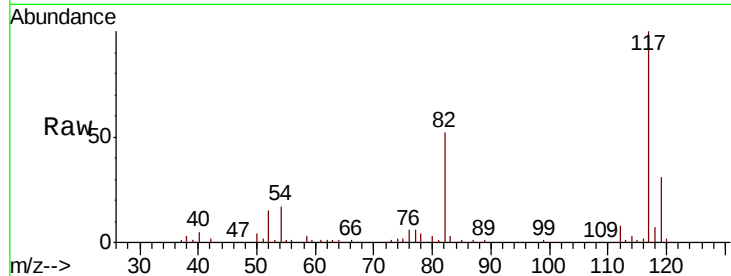
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.6	64.0
119	31.6	25.7	38.5

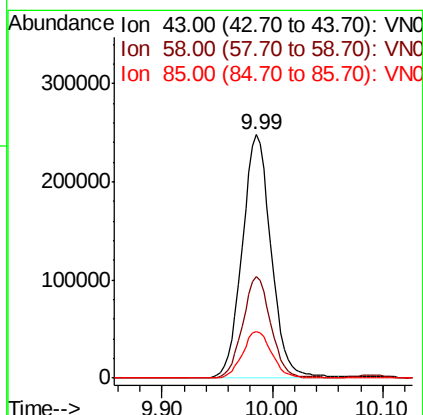
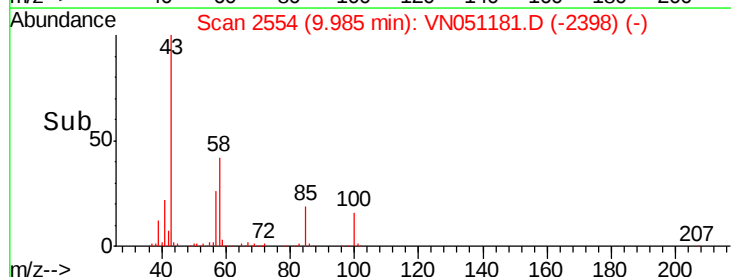
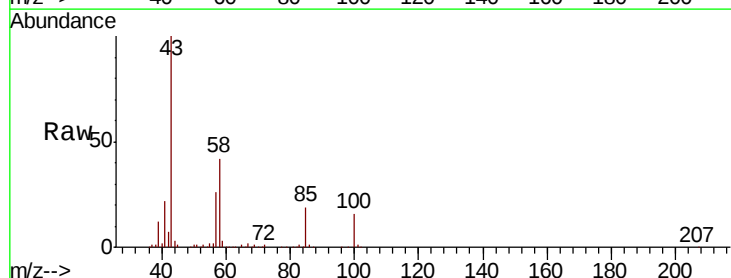
Manual Integrations
APPROVED

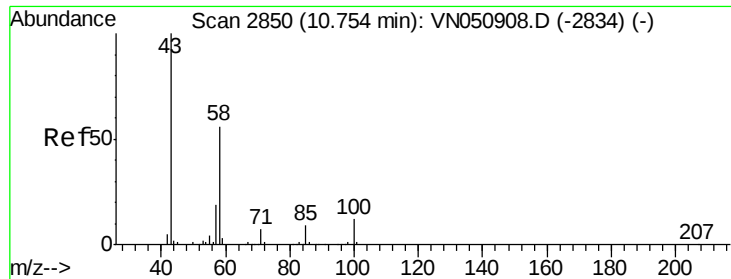
MMDadoda
9/17/2018 1:39:42 PM



#58
4-Methyl-2-Pentanone
Concen: 77.30 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.0	32.3	48.5
85	19.3	14.9	22.3





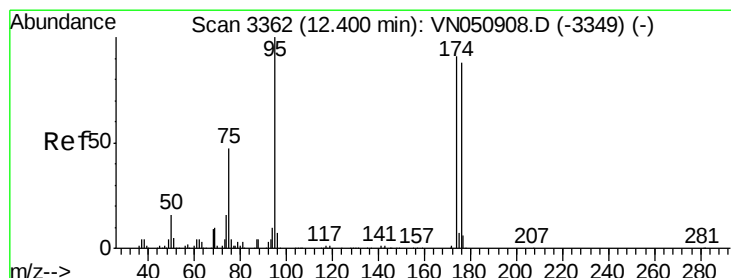
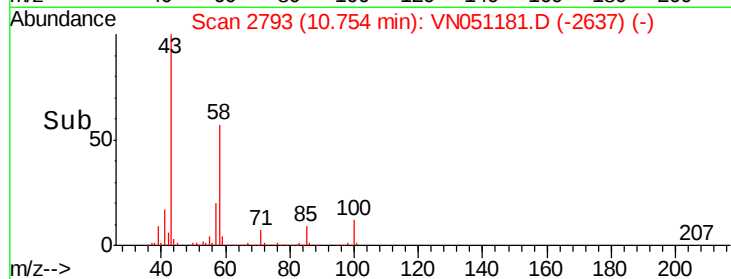
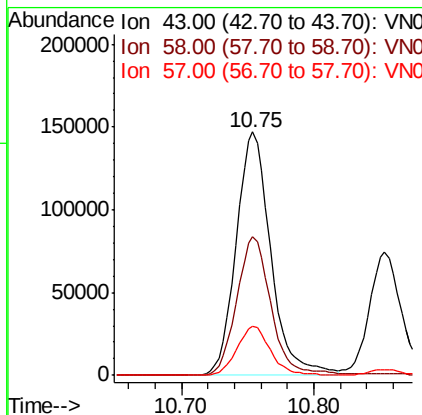
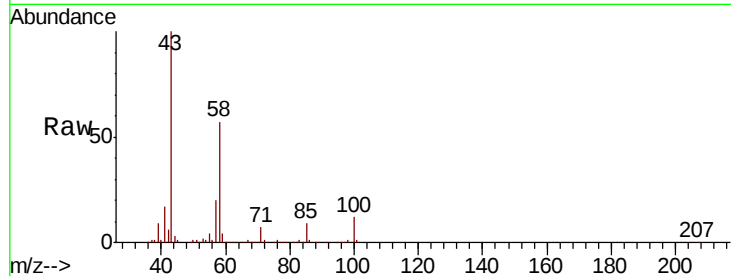
#59
2-Hexanone
Concen: 70.14 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion:	43	Resp:	266209
Ion Ratio	Lower	Upper	
43	100		
58	56.8	45.5	68.3
57	19.5	15.2	22.8

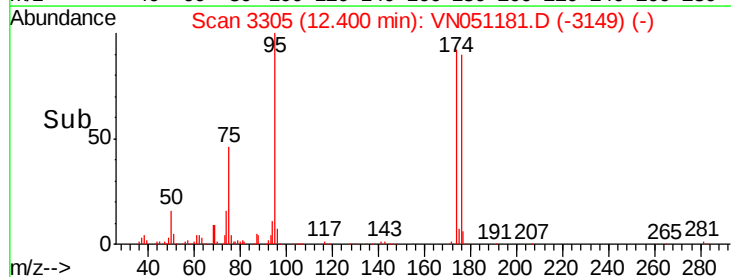
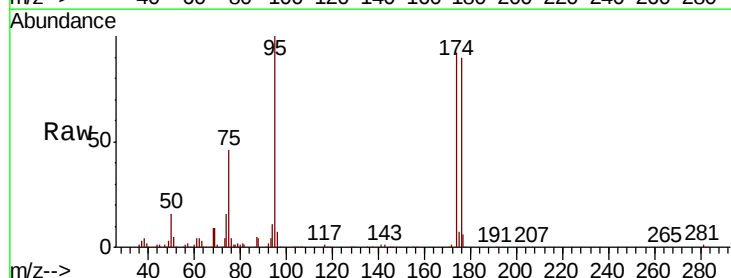
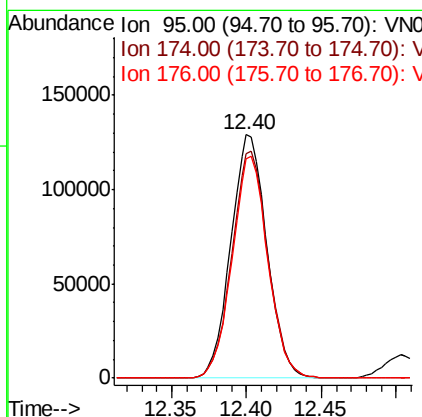
Manual Integrations
APPROVED

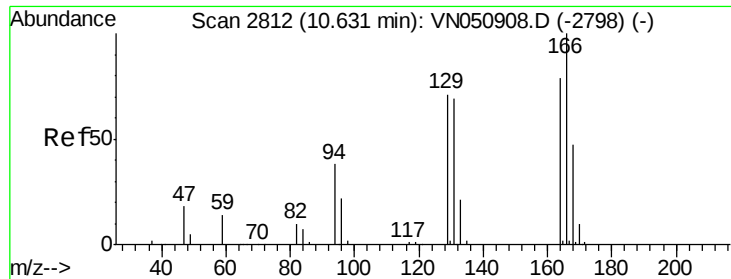
MMDadoda
9/17/2018 1:39:42 PM



#60
4-Bromofluorobenzene
Concen: 28.67 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion:	95	Resp:	216367
Ion Ratio	Lower	Upper	
95	100		
174	93.2	74.6	112.0
176	90.5	71.5	107.3





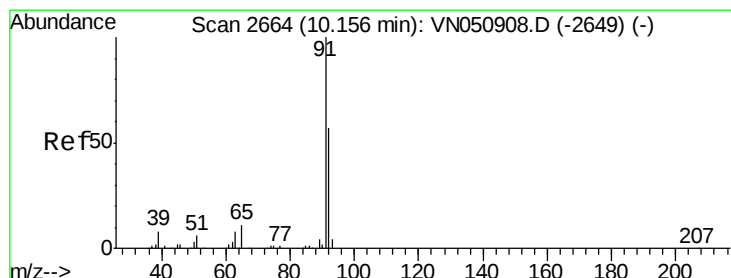
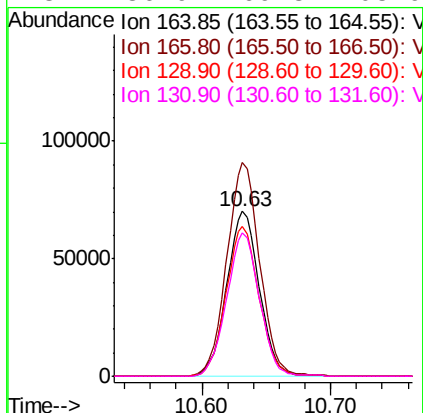
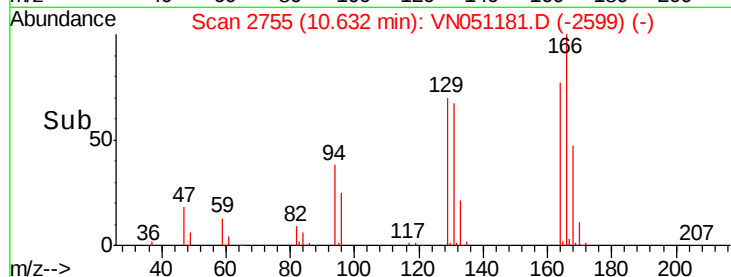
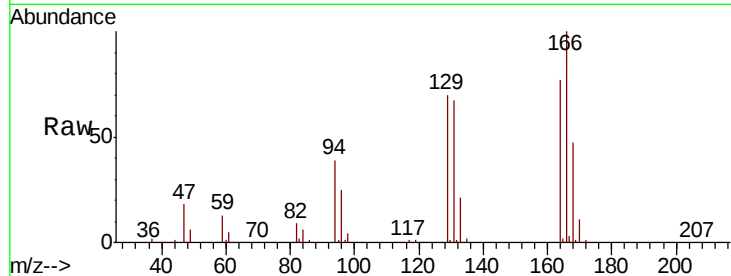
#61
Tetrachloroethene
Concen: 19.47 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Instrument :
MSVOA_N
ClientSampled :
VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.6	100.6	151.0
129	90.9	71.0	106.6
131	86.9	69.3	103.9

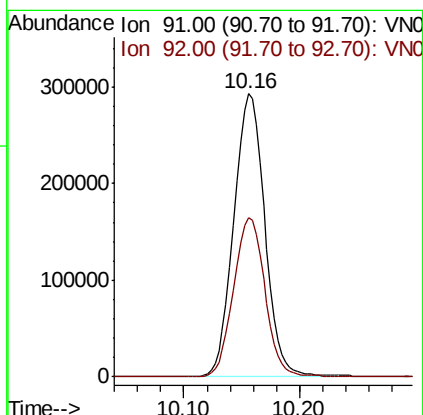
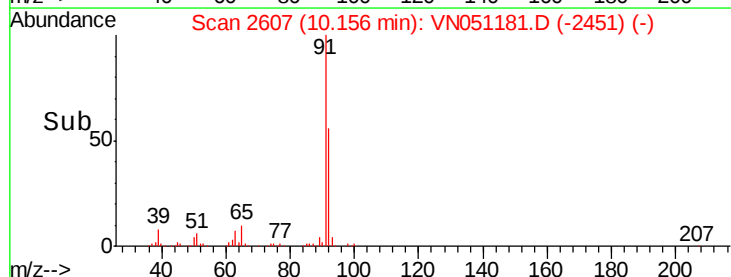
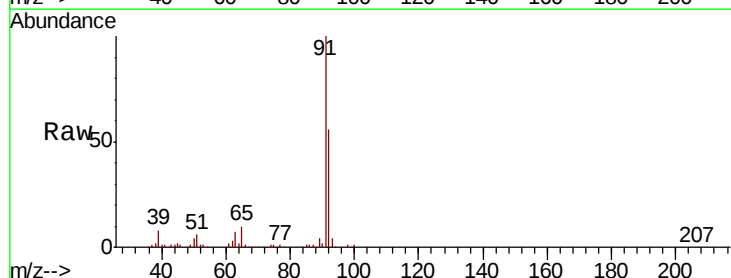
Manual Integrations
APPROVED

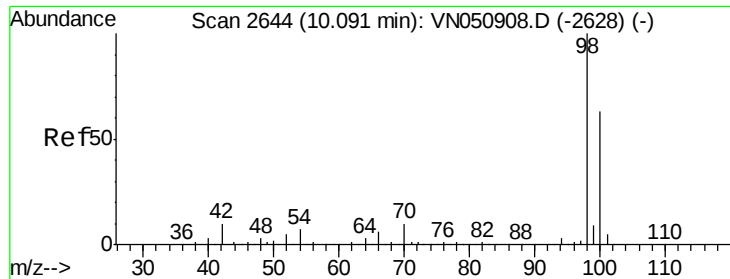
MMDadoda
9/17/2018 1:39:42 PM



#62
Toluene
Concen: 19.20 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.1	45.8	68.8





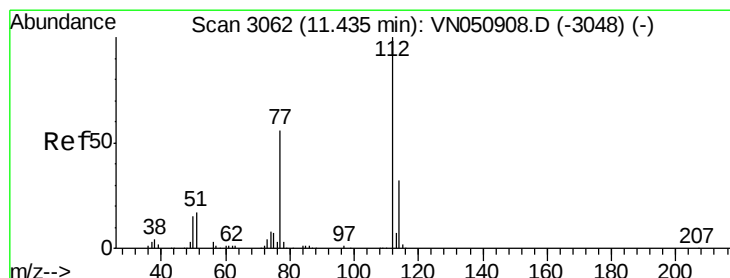
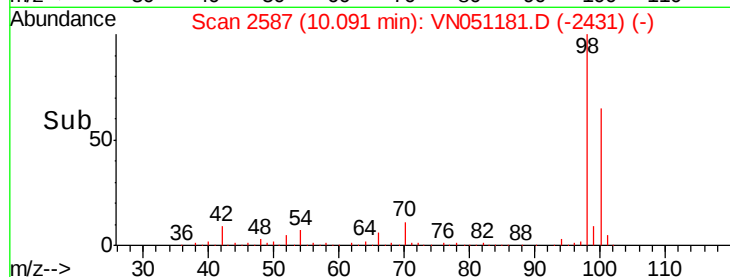
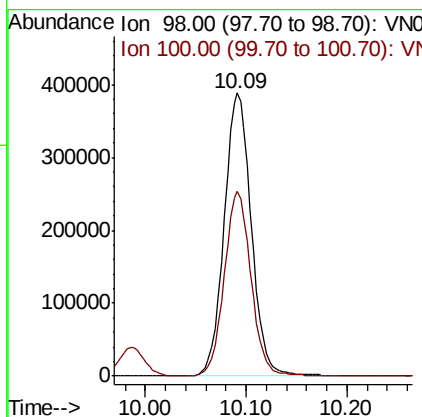
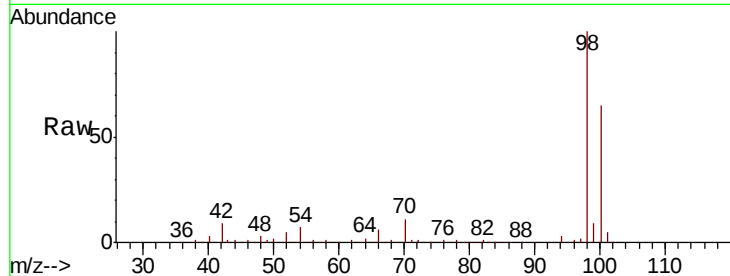
#63
Toluene-d8
Concen: 30.82 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion: 98 Resp: 729358
Ion Ratio Lower Upper
98 100
100 64.2 50.6 75.8

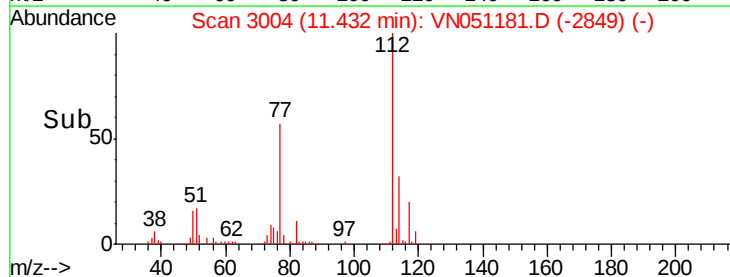
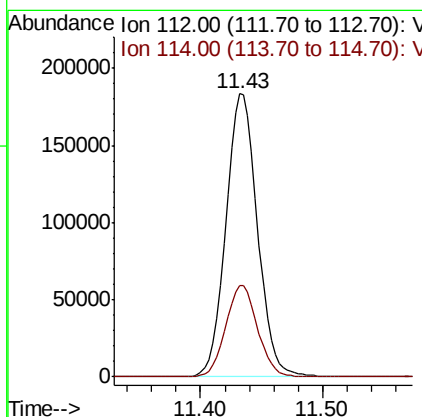
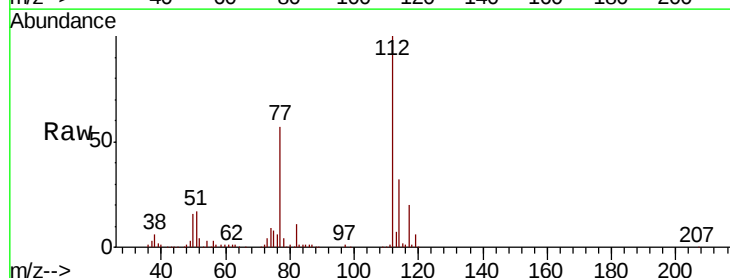
Manual Integrations
APPROVED

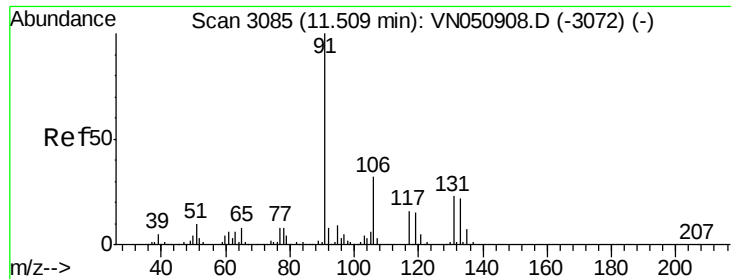
MMDadoda
9/17/2018 1:39:42 PM



#64
Chlorobenzene
Concen: 18.85 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion: 112 Resp: 330781
Ion Ratio Lower Upper
112 100
114 32.2 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 19.90 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

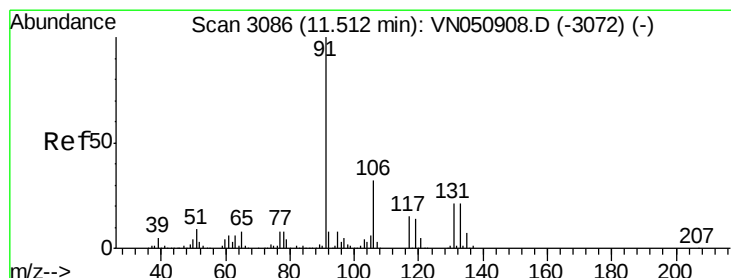
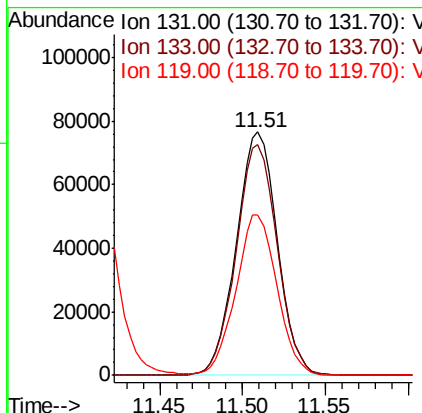
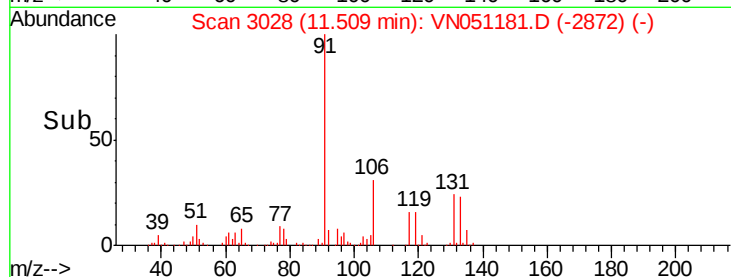
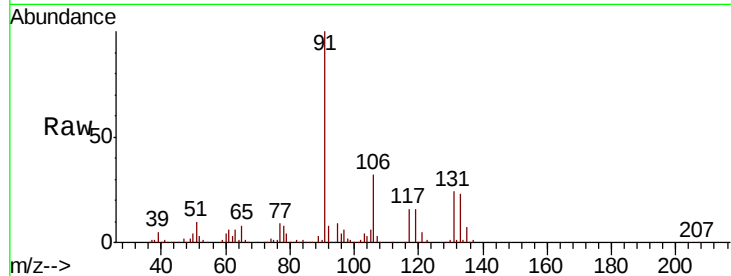
ClientSampleId :

VN0914WBSD01

Tot Ion:	131	Resp:	131841
Ion Ratio	Lower	Upper	
131	100		
133	95.4	0.0	189.4
119	66.1	0.0	132.2

Manual Integrations
APPROVED

MMDadoda
9/17/2018 1:39:42 PM



#66

Ethyl Benzene

Concen: 18.24 ug/l

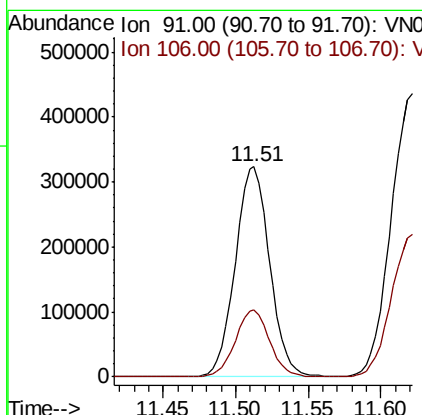
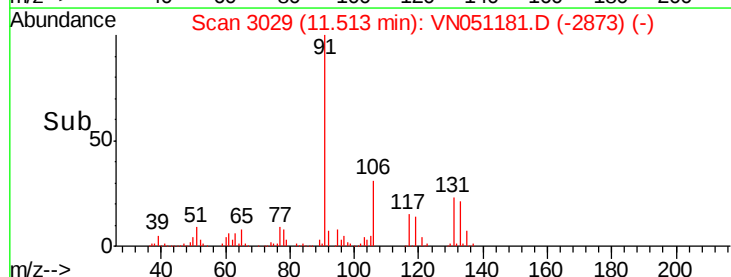
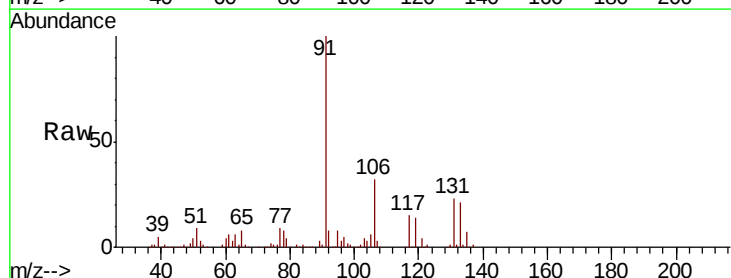
RT: 11.51 min Scan# 3029

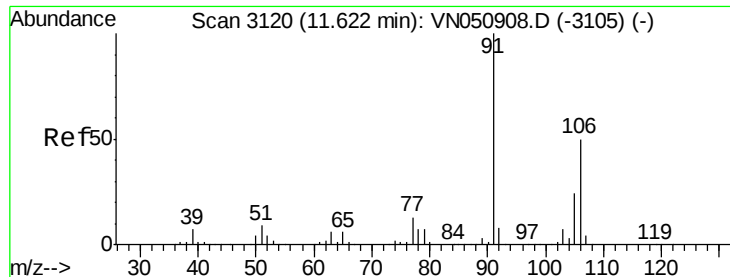
Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Tgt Ion:	91	Resp:	534963
Ion Ratio	Lower	Upper	
91	100		
106	31.8	25.7	38.5





#67

m/p-Xylenes

Concen: 37.68 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion:106 Resp: 425143

Ion Ratio Lower Upper

106 100

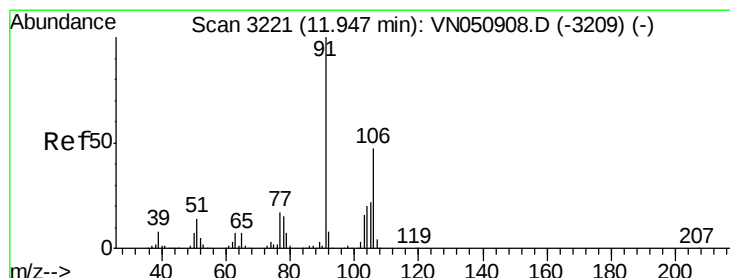
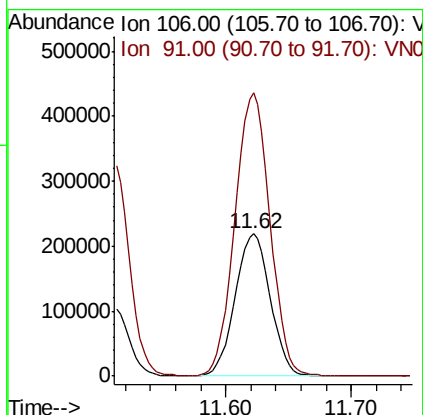
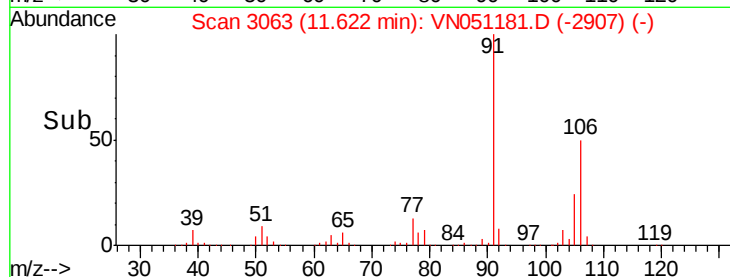
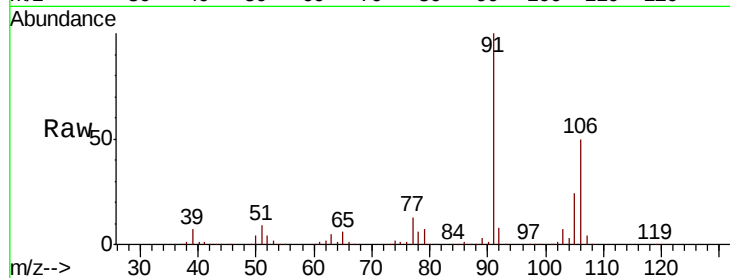
91 198.8 160.6 241.0

Manual Integrations

APPROVED

MMDadoda

9/17/2018 1:39:42 PM



#68

o-Xylene

Concen: 18.99 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN051181.D

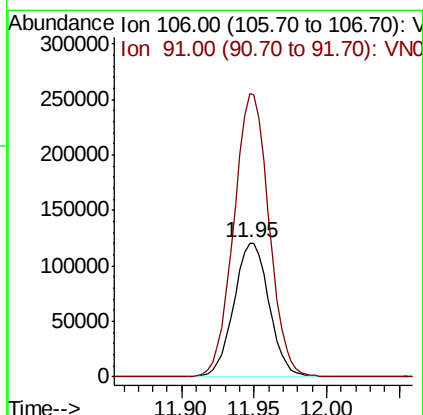
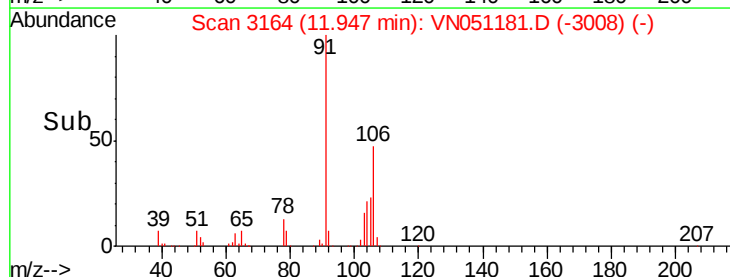
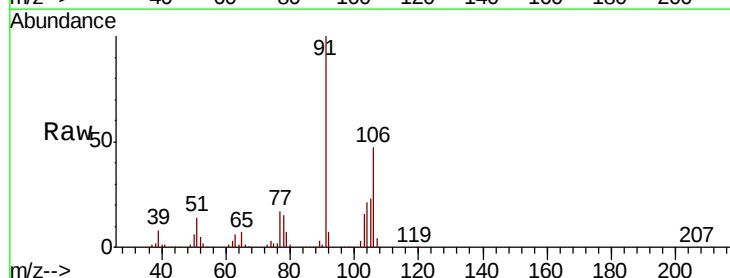
Acq: 14 Sep 2018 11:30

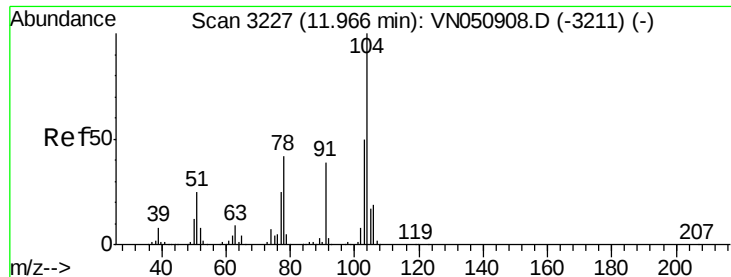
Tgt Ion:106 Resp: 204763

Ion Ratio Lower Upper

106 100

91 210.8 106.4 319.2





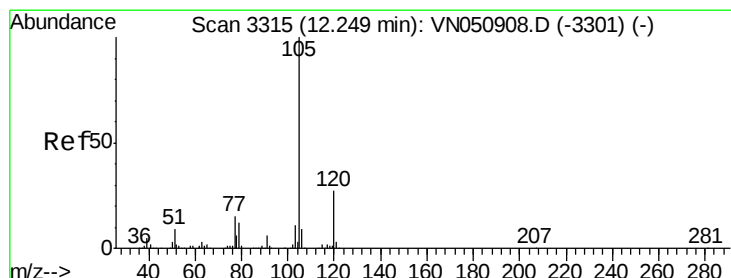
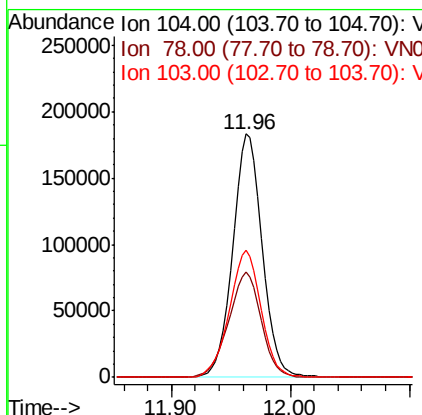
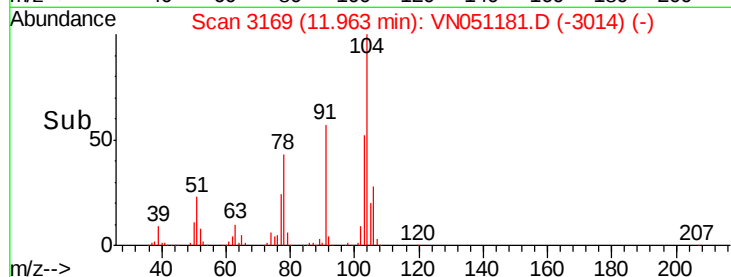
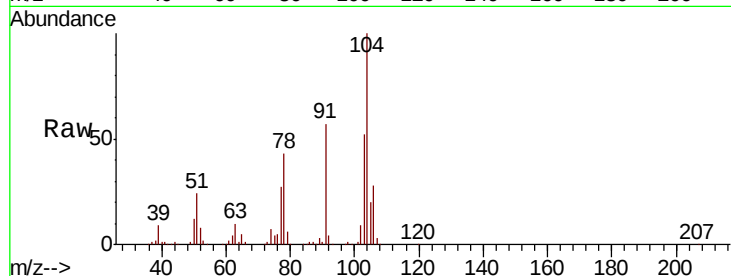
#69
Stvrene
Concen: 18.33 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	314269		
78	47.9		38.6	58.0
103	56.1		45.4	68.2

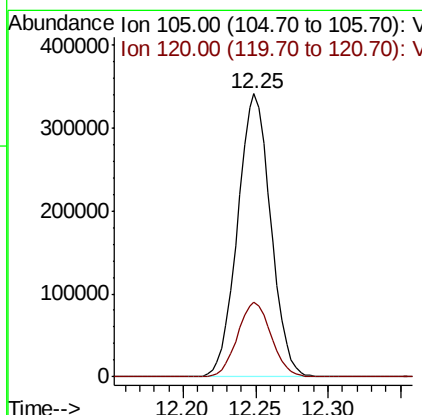
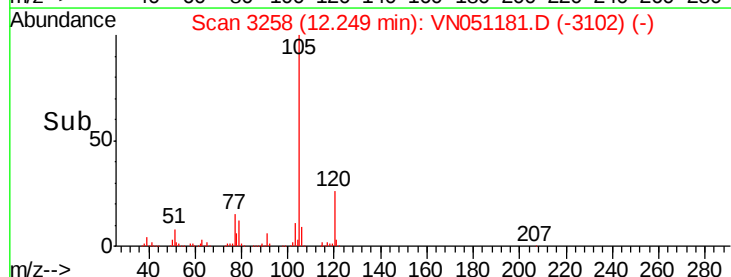
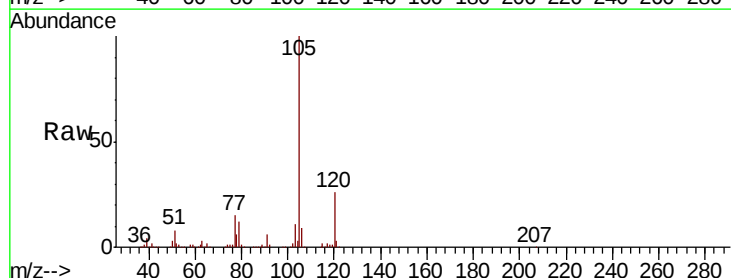
Manual Integrations
APPROVED

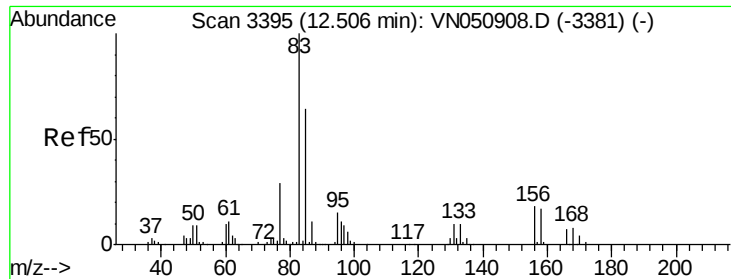
MMDadoda
9/17/2018 1:39:42 PM



#70
Isopropylbenzene
Concen: 18.89 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	541185		
120	26.8		18.6	34.6





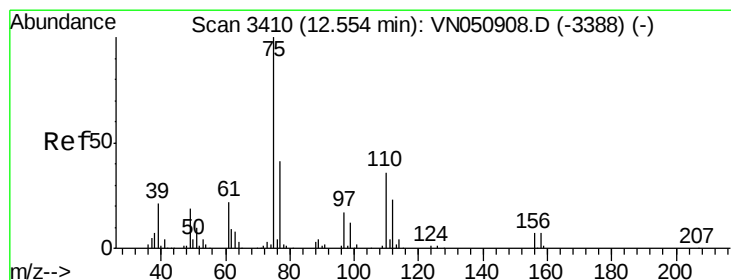
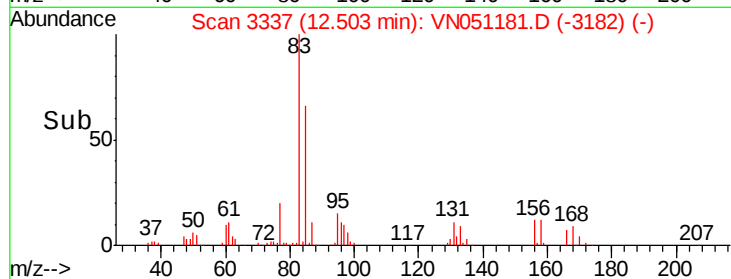
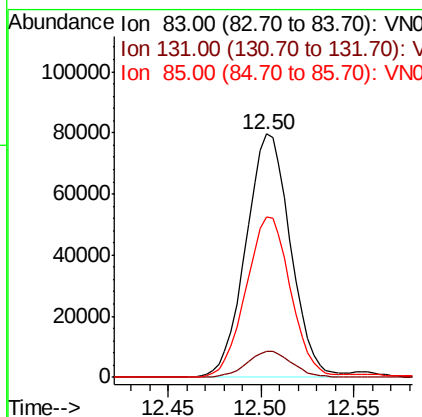
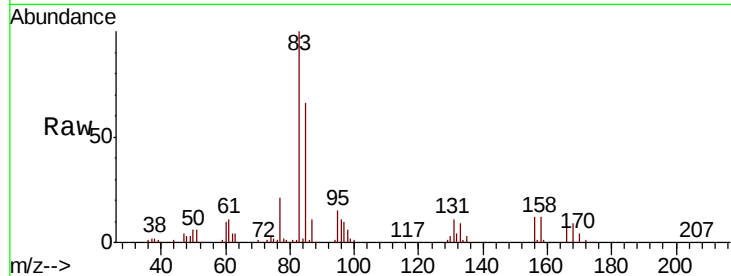
#71
 1,1,2,2-Tetrachloroethane
 Concen: 17.23 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	11.0	5.3	15.9	
85	66.0	32.3	96.9	

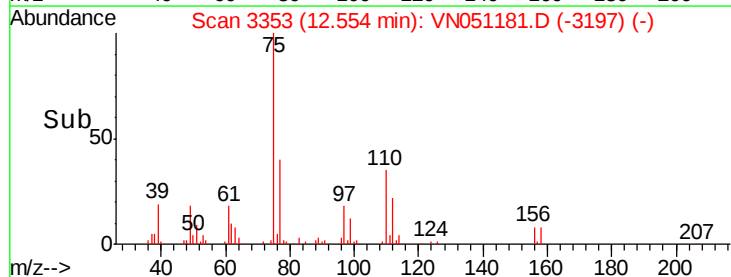
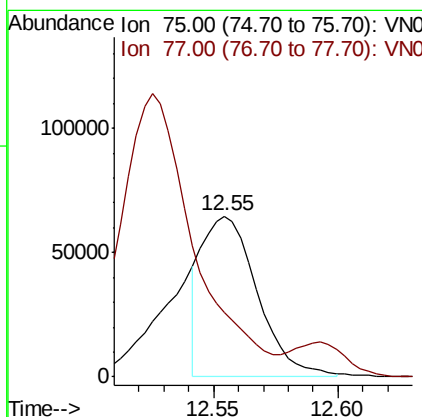
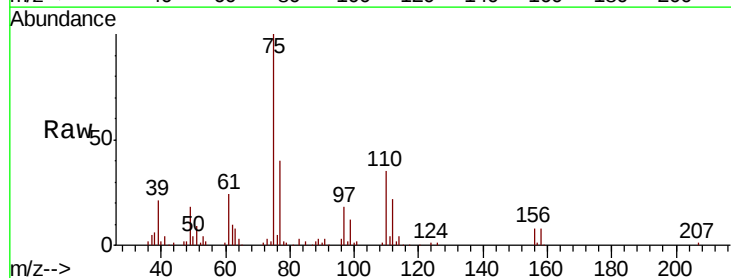
Manual Integrations
 APPROVED

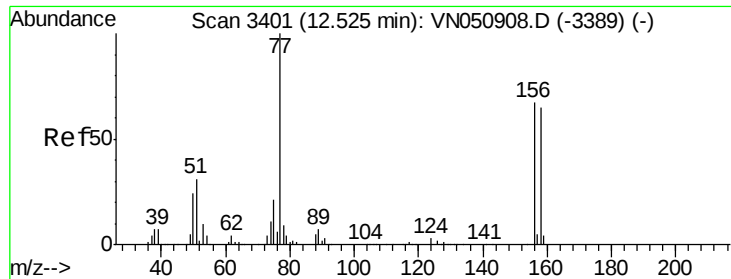
MMDadoda
 9/17/2018 1:39:42 PM



#72
 1,2,3-Trichloropropane
 Concen: 14.89 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	232.8	0.0	301.6	





#73

Bromobenzene

Concen: 18.00 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

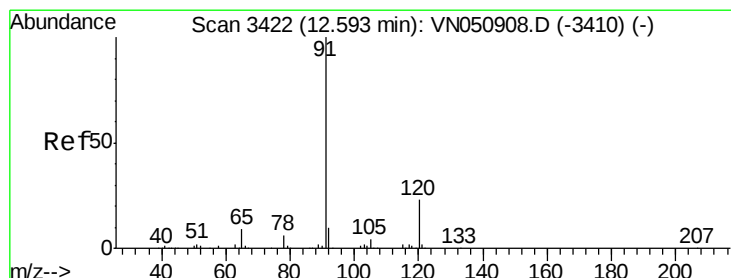
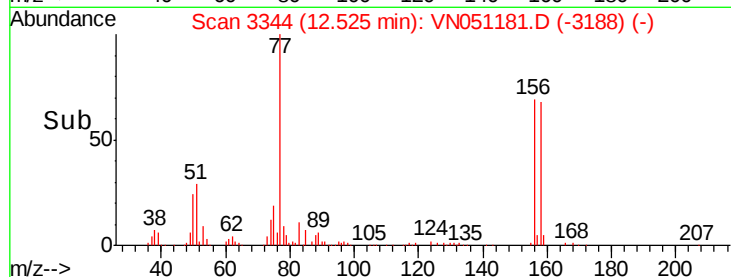
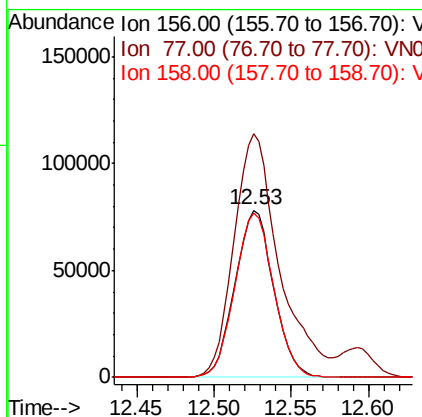
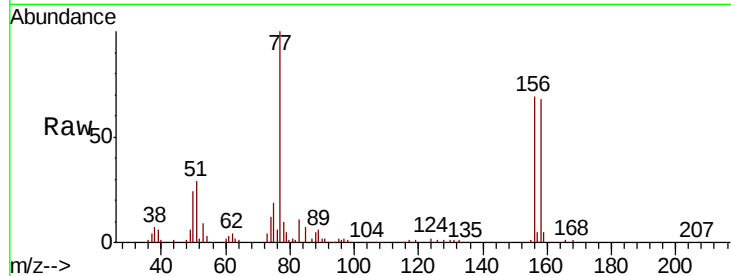
ClientSampleId :

VN0914WBSD01

Tot Ion:	156	Resp:	135665
Ion Ratio	Lower	Upper	
156	100		
77	170.9	0.0	359.4
158	99.0	0.0	194.6

Manual Integrations
APPROVED

MMDadoda
9/17/2018 1:39:42 PM



#74

n-propylbenzene

Concen: 17.75 ug/l

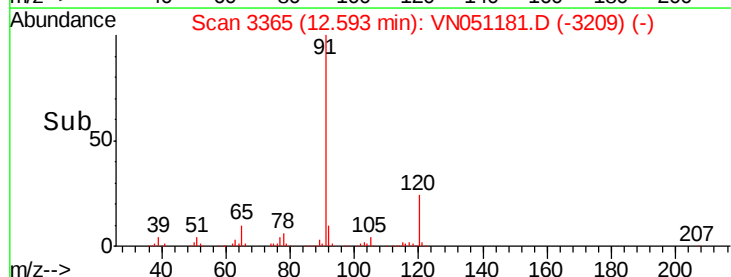
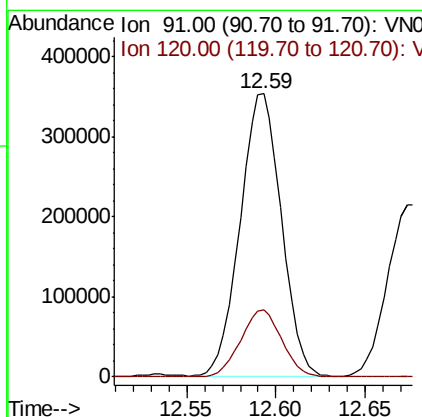
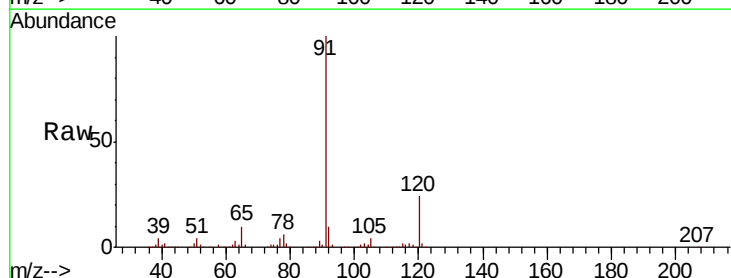
RT: 12.59 min Scan# 3365

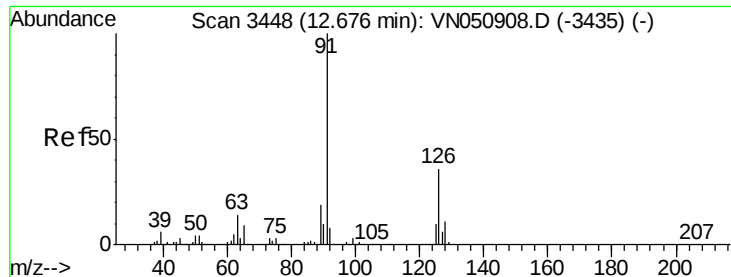
Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Tgt Ion:	91	Resp:	574811
Ion Ratio	Lower	Upper	
91	100		
120	23.4	0.0	46.0





#75

2-Chlorotoluene

Concen: 18.46 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampled :

VN0914WBSD01

Tot Ion: 91 Resp: 363194

Ion Ratio Lower Upper

91 100

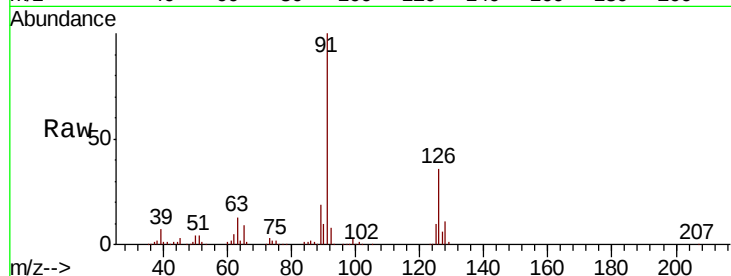
126 35.8 0.0 71.8

Manual Integrations

APPROVED

MMDadoda

9/17/2018 1:39:42 PM



Abundance Ion 91.00 (90.70 to 91.70): VN050908.D (-3435) (-)

Ion 126.00 (125.70 to 126.70): VN050908.D (-3435) (-)

300000

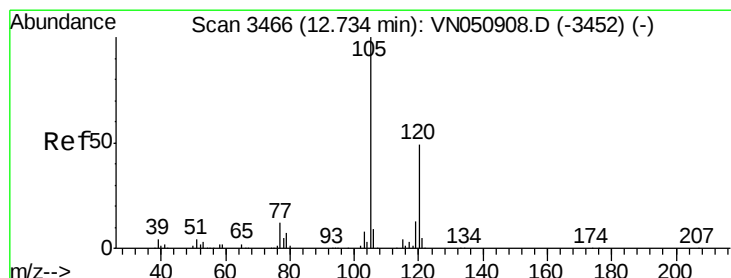
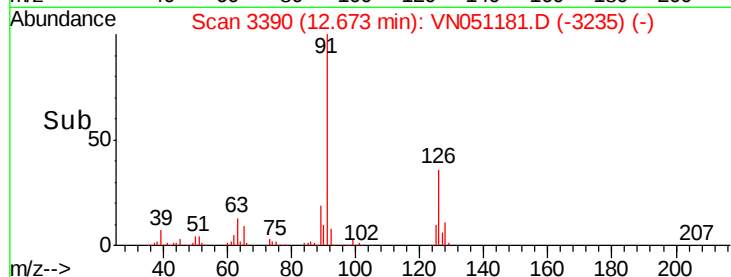
200000

100000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 18.72 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051181.D

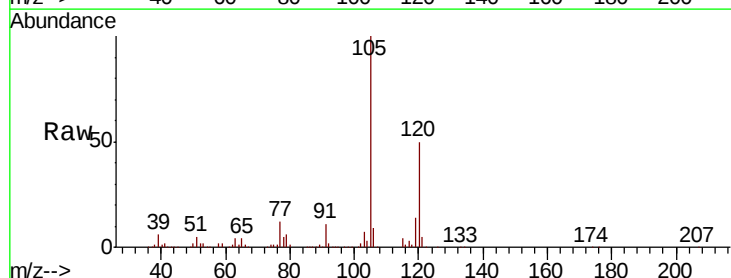
Acq: 14 Sep 2018 11:30

Tgt Ion: 105 Resp: 438149

Ion Ratio Lower Upper

105 100

120 50.3 0.0 99.6



Abundance Ion 105.00 (104.70 to 105.70): VN050908.D (-3452) (-)

Ion 120.00 (119.70 to 120.70): VN050908.D (-3452) (-)

300000

250000

200000

150000

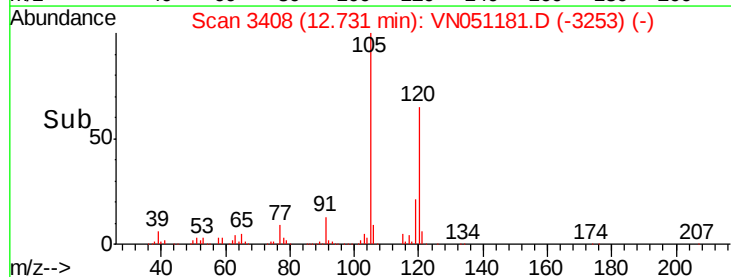
100000

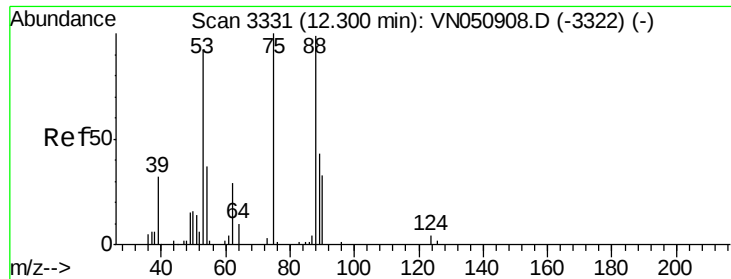
50000

0

12.65 12.70 12.75 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 14.49 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

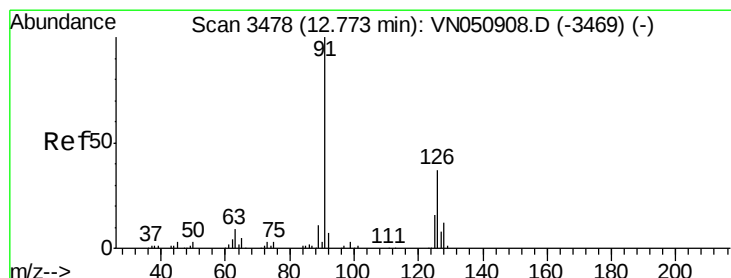
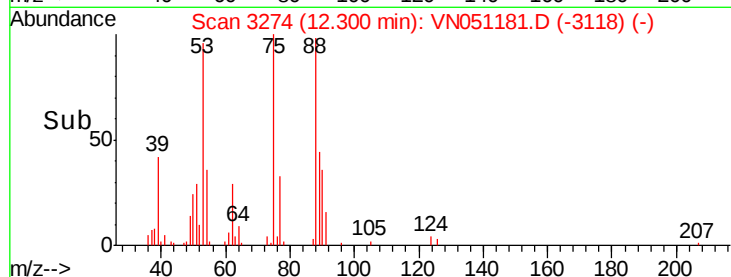
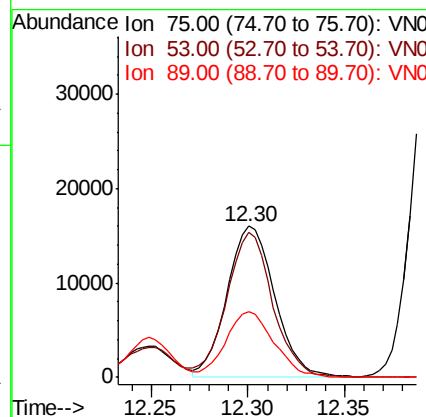
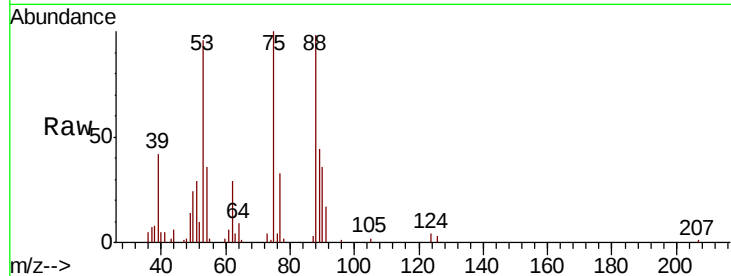
ClientSampleId :

VN0914WBSD01

Tot Ion:	75	Resp:	27622
Ion Ratio	Lower	Upper	
75	100		
53	97.0	45.5	136.4
89	44.2	21.9	65.8

Manual Integrations
APPROVED

MMDadoda
9/17/2018 1:39:42 PM



#78

4-Chlorotoluene

Concen: 17.53 ug/l

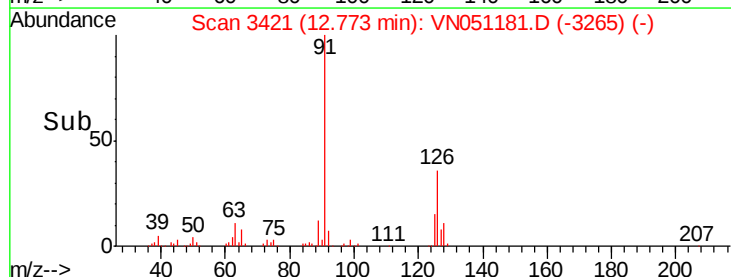
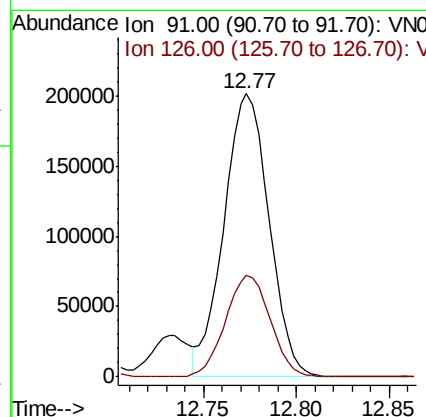
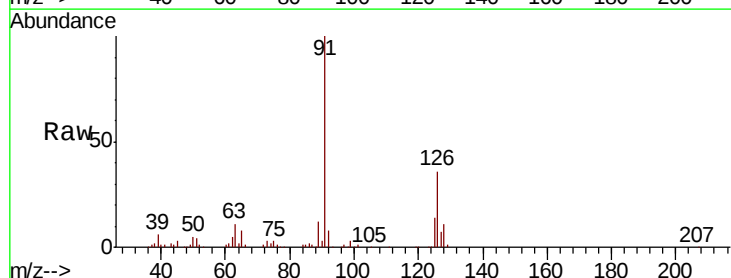
RT: 12.77 min Scan# 3421

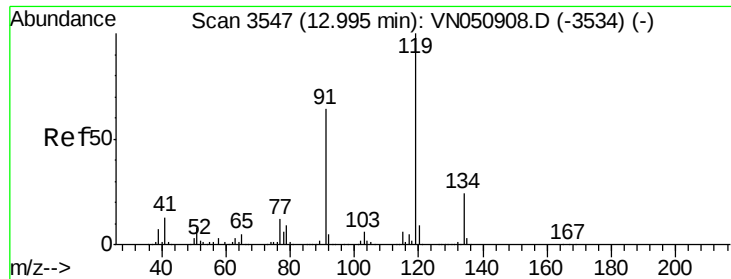
Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Tgt Ion:	91	Resp:	339623
Ion Ratio	Lower	Upper	
91	100		
126	35.7	0.0	69.8





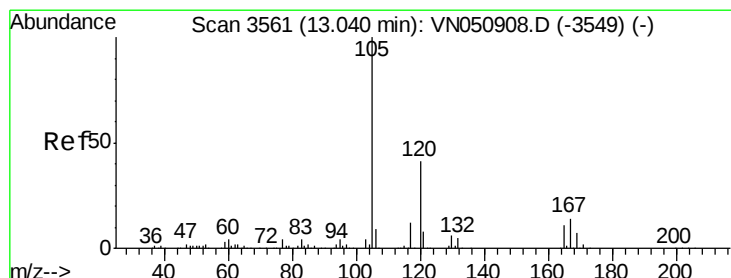
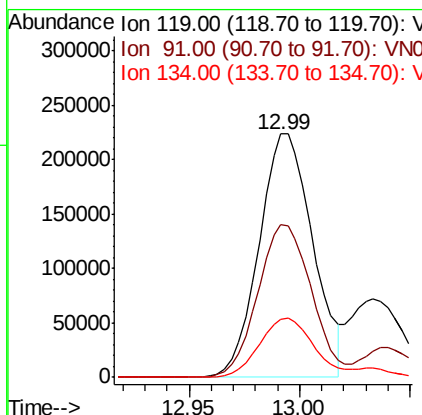
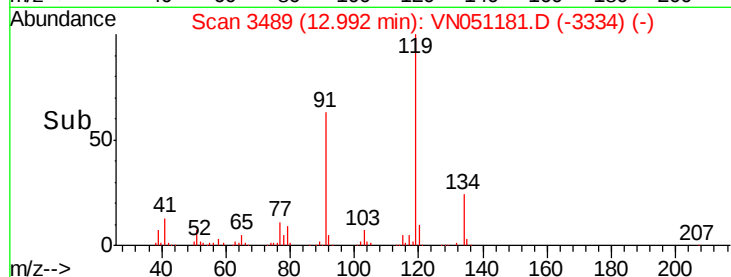
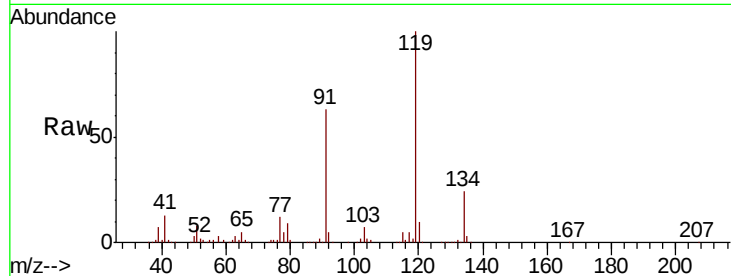
#79
tert-butylbenzene
Concen: 18.59 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	378064		
91	62.6		0.0	125.6
134	24.8		0.0	48.4

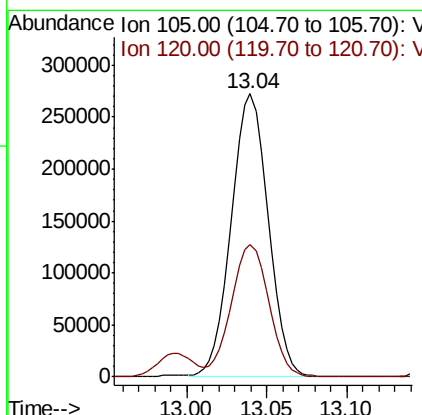
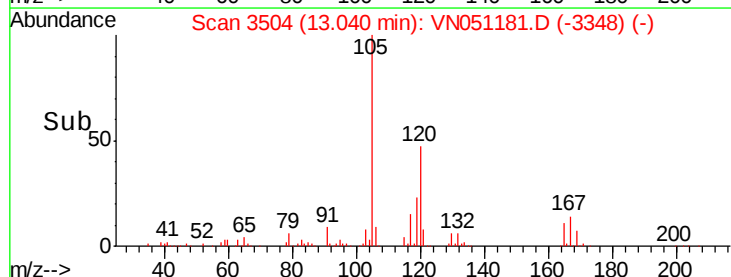
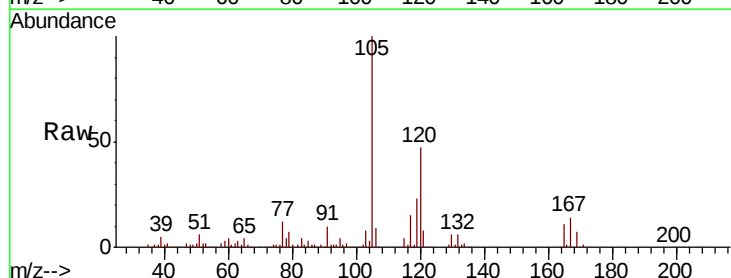
Manual Integrations
APPROVED

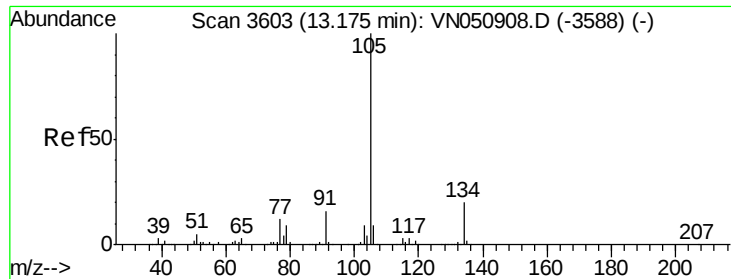
MMDadoda
9/17/2018 1:39:42 PM



#80
1,2,4-Trimethylbenzene
Concen: 18.38 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	428926		
120	47.5		0.0	93.6





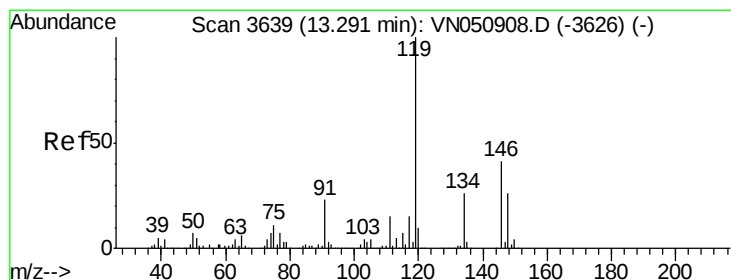
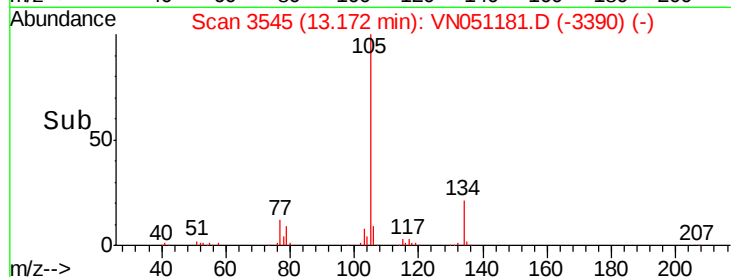
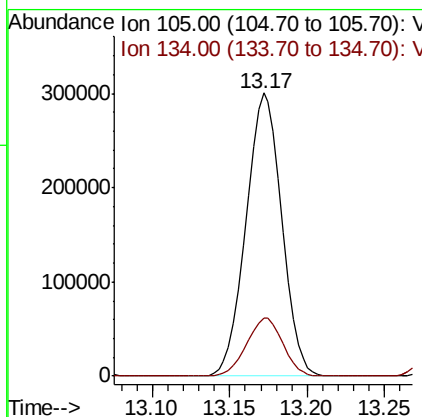
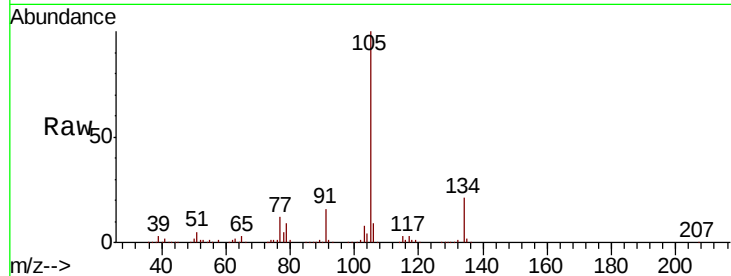
#81
 sec-Butylbenzene
 Concen: 18.18 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	0.0	40.8

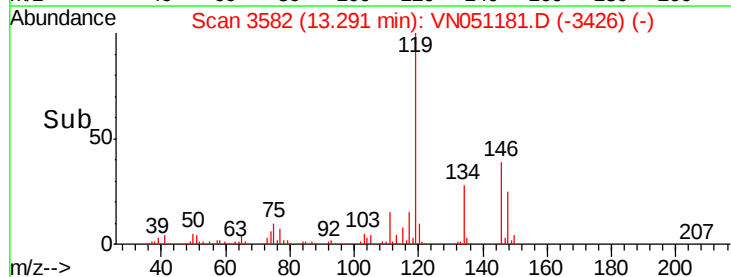
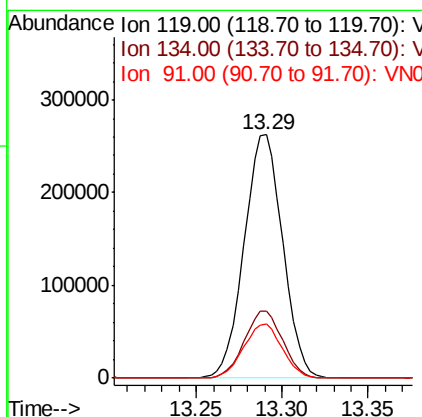
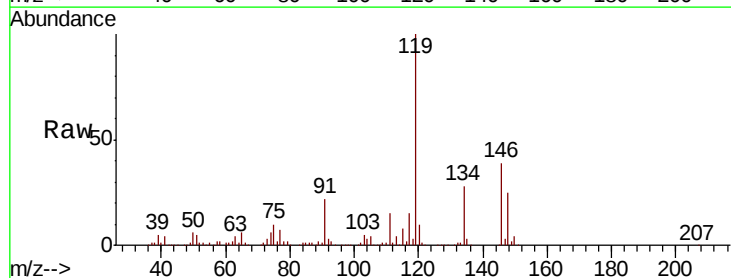
Manual Integrations
 APPROVED

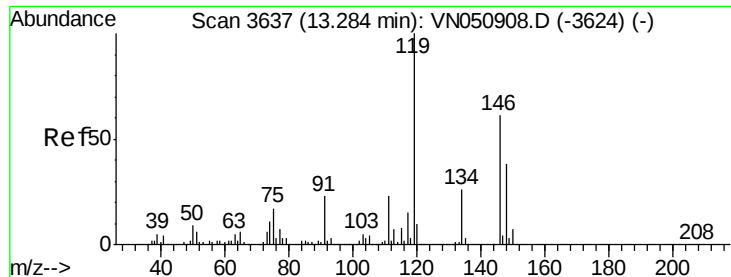
MMDadoda
 9/17/2018 1:39:42 PM



#82
 p-Isopropyltoluene
 Concen: 17.76 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	0.0	53.2
91	22.4	0.0	46.0





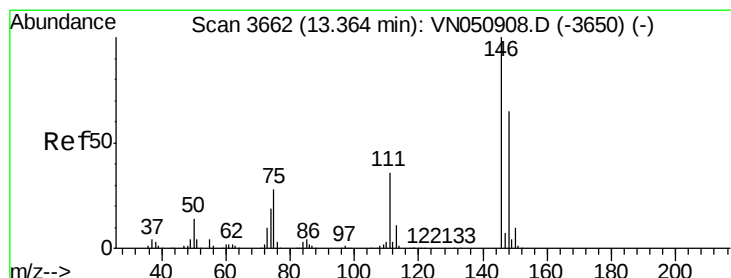
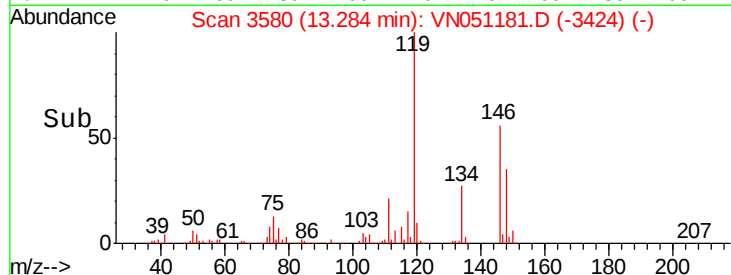
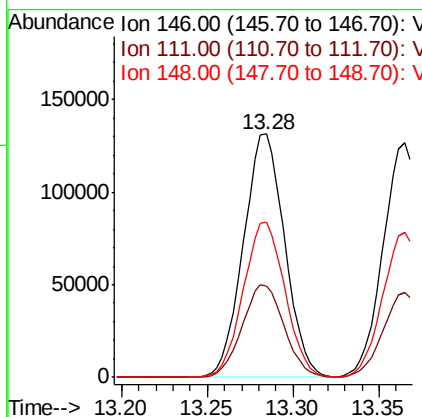
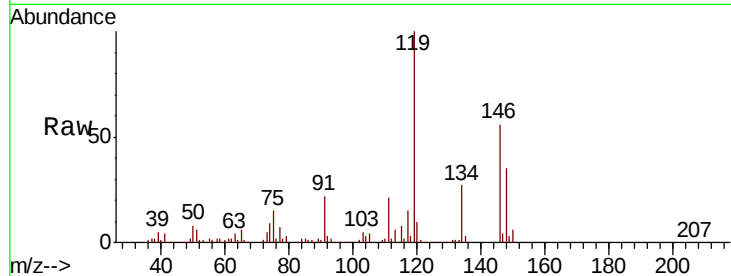
#83
1,3-Dichlorobenzene
Concen: 17.18 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	218997		
111	38.5	18.6	55.6	
148	64.4	31.8	95.3	

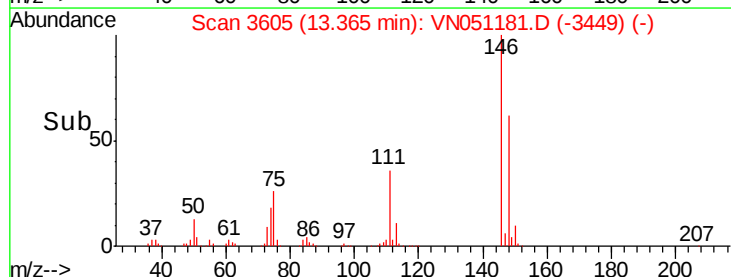
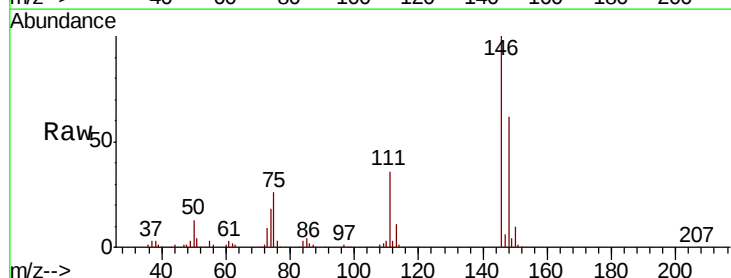
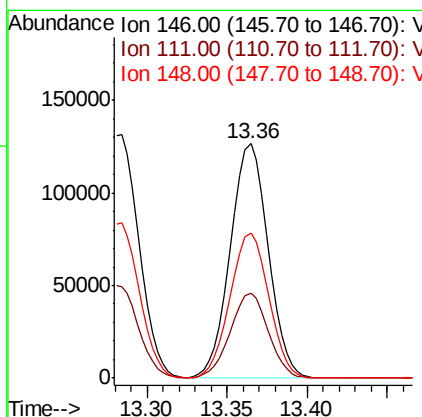
Manual Integrations
APPROVED

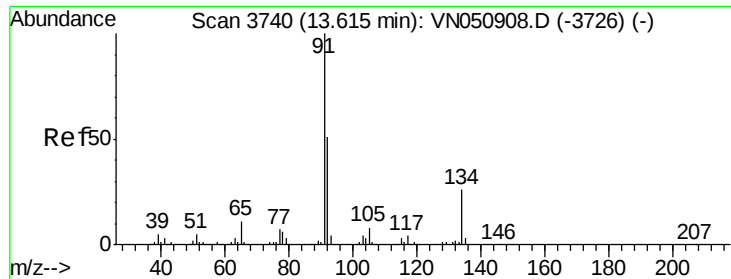
MMDadoda
9/17/2018 1:39:42 PM



#84
1,4-Dichlorobenzene
Concen: 16.92 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	204347		
111	36.4	17.7	53.1	
148	63.4	31.6	94.8	





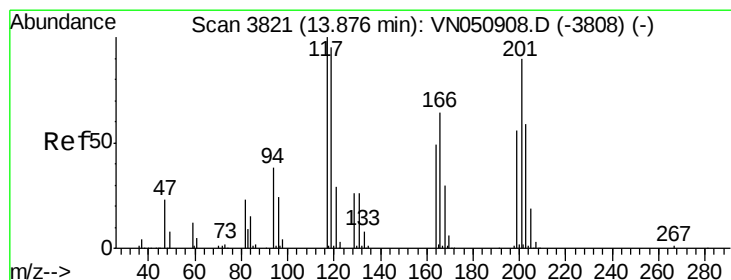
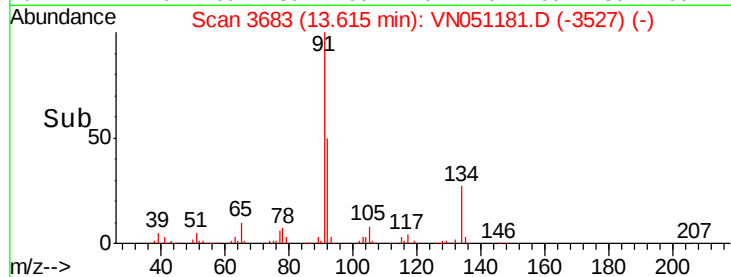
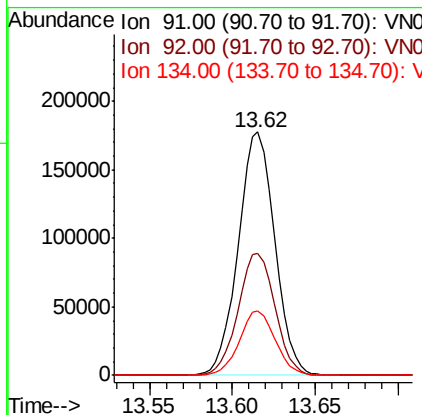
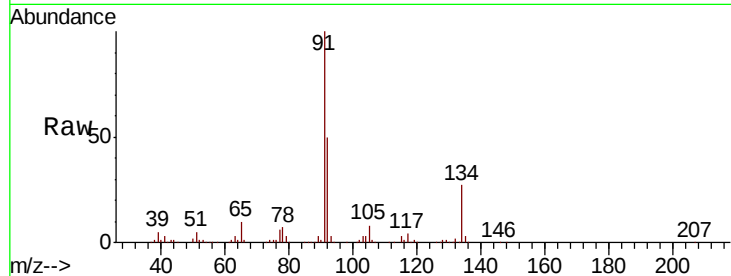
#85
n-Butylbenzene
Concen: 15.54 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	272310		
92	50.6	0.0	101.8	
134	26.0	0.0	52.2	

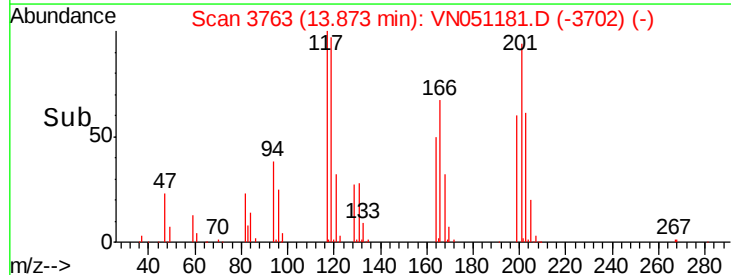
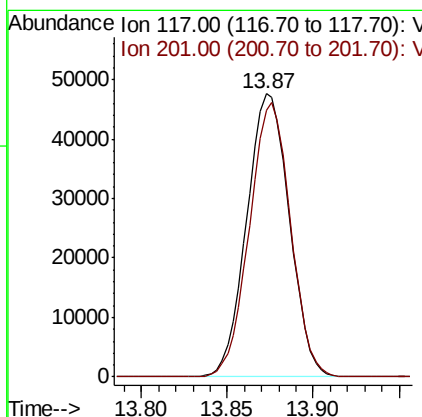
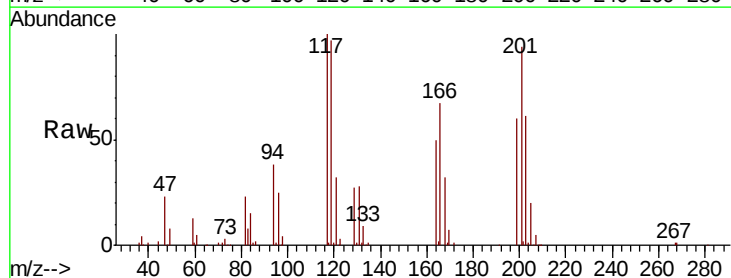
Manual Integrations
APPROVED

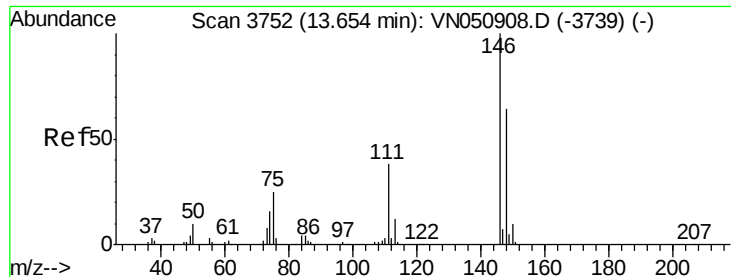
MMDadoda
9/17/2018 1:39:42 PM



#86
Hexachloroethane
Concen: 18.65 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	82212		
201	93.3	45.8	137.4	





#87

1,2-Dichlorobenzene

Concen: 17.52 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

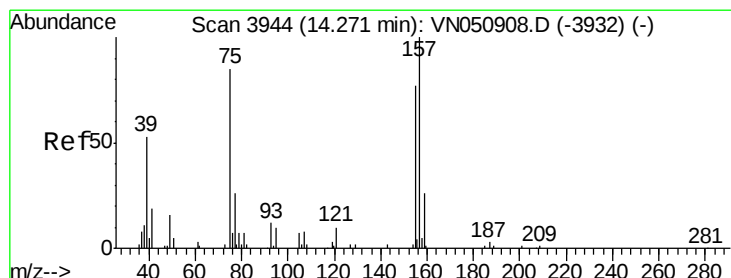
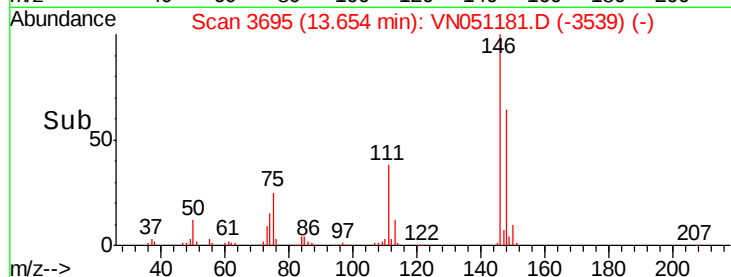
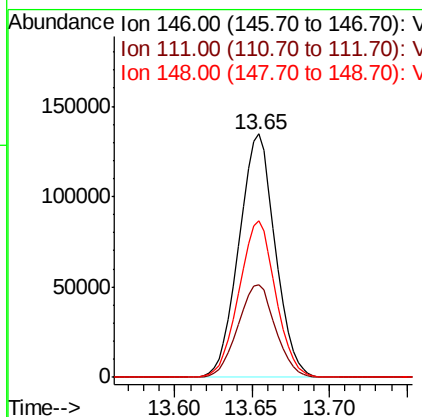
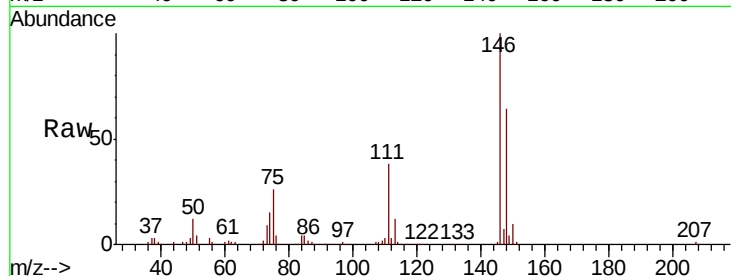
ClientSampleId :

VN0914WBSD01

Tot Ion:	146	Resp:	219789
Ion Ratio	Lower	Upper	
146	100		
111	39.3	19.1	57.1
148	64.8	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
9/17/2018 1:39:42 PM



#88

1,2-Dibromo-3-Chloropropane

Concen: 15.06 ug/l

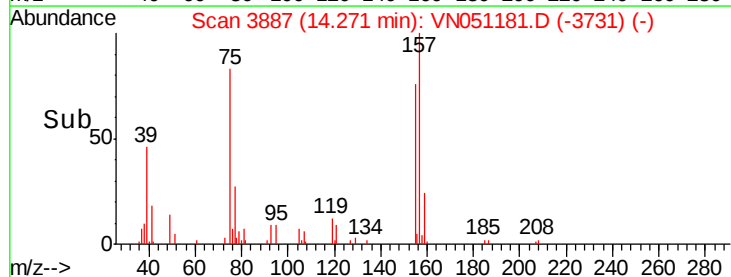
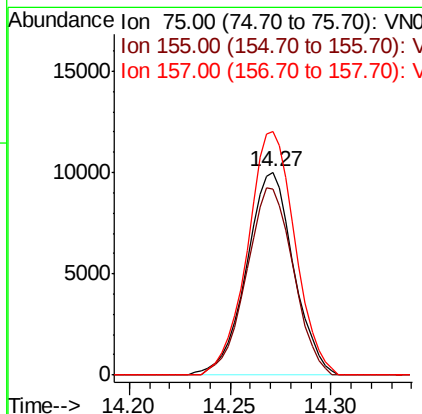
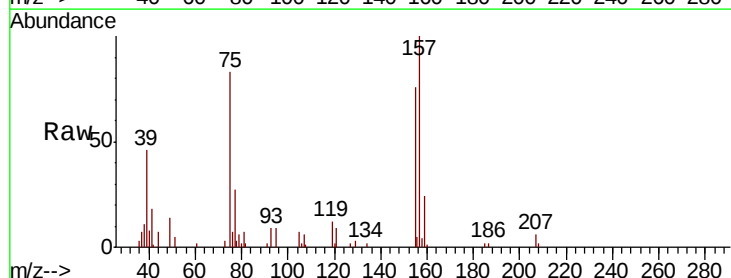
RT: 14.27 min Scan# 3887

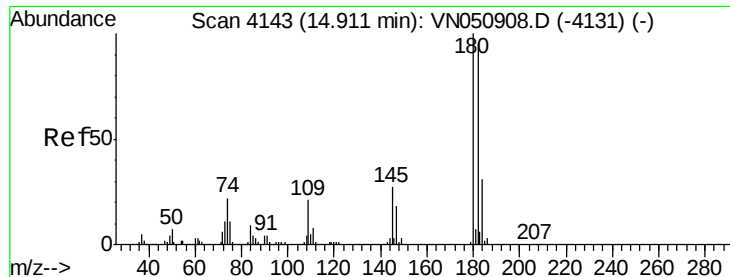
Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Tgt Ion:	75	Resp:	16346
Ion Ratio	Lower	Upper	
75	100		
155	91.9	71.8	107.6
157	120.7	91.1	136.7





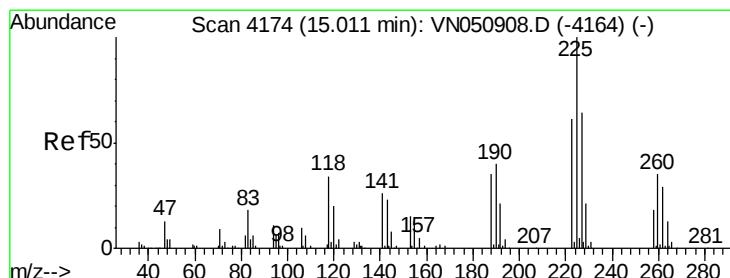
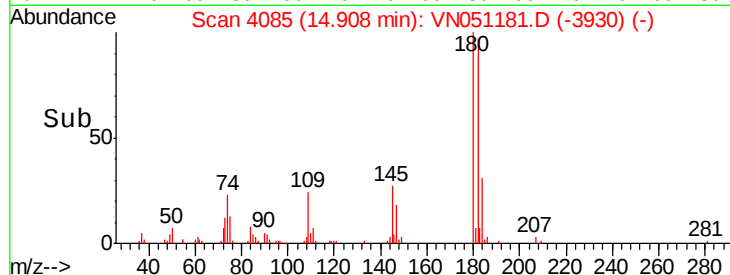
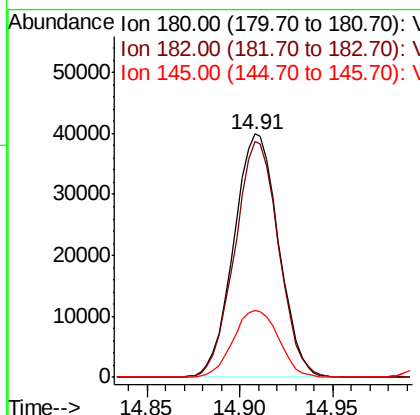
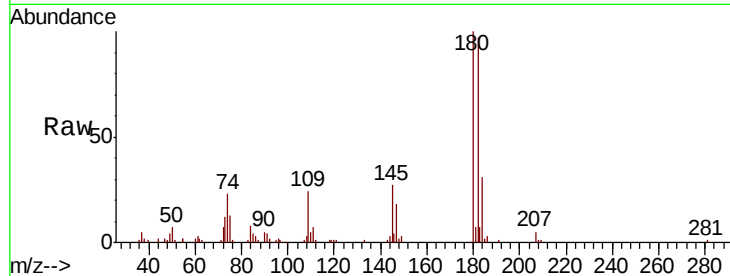
#89
 1,2,4-Trichlorobenzene
 Concen: 11.97 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.2	114.4
145	27.8	22.2	33.4

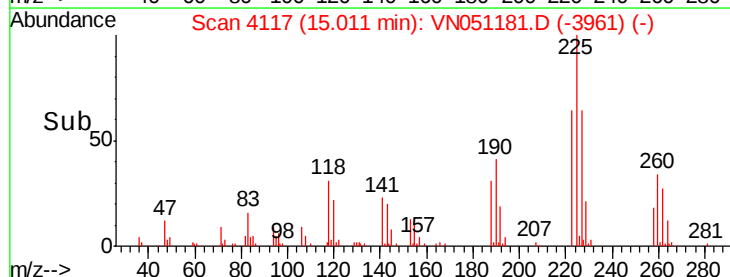
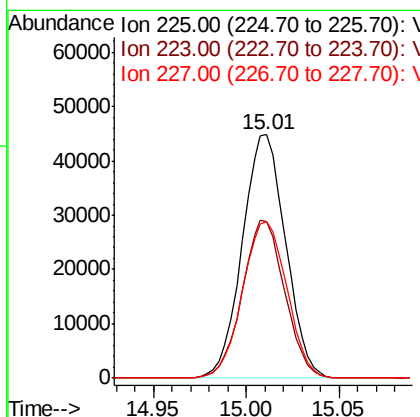
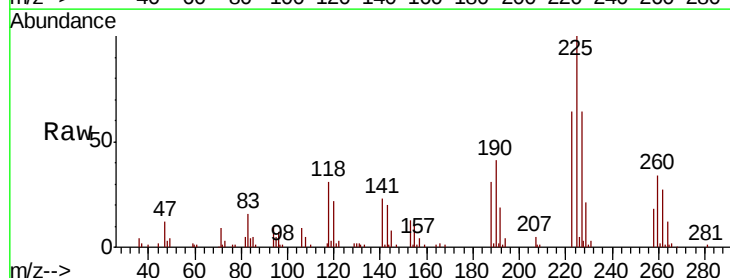
Manual Integrations
 APPROVED

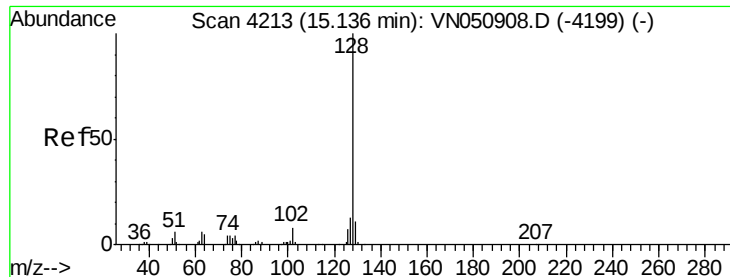
MMDadoda
 9/17/2018 1:39:42 PM



#90
 Hexachlorobutadiene
 Concen: 19.17 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	0.0	127.8
227	65.9	0.0	128.4





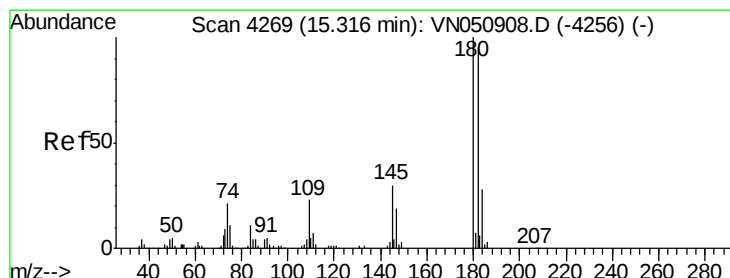
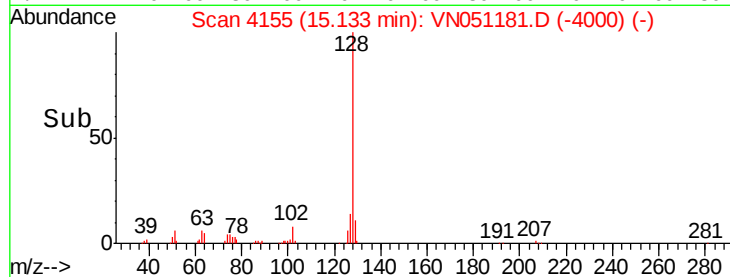
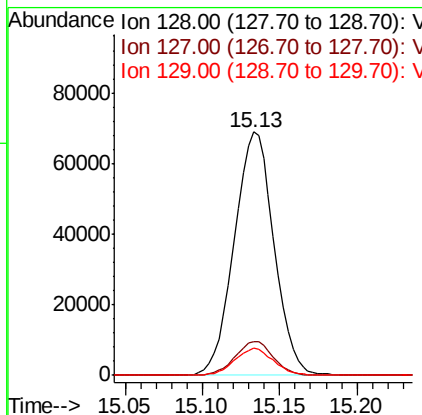
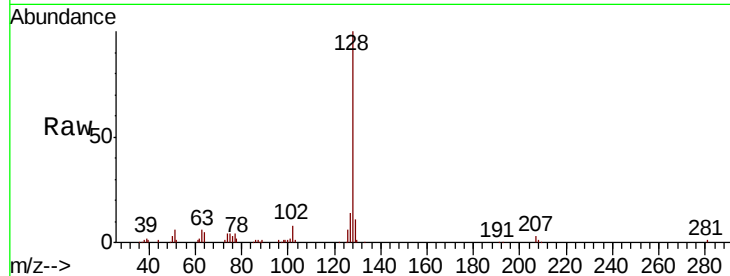
#91
Naphthalene
Concen: 15.62 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/17/2018 1:39:42 PM



#92
1,2,3-Trichlorobenzene
Concen: 13.34 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	0.0	192.8
145	29.2	0.0	60.0

