

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091818\
 Data File : VN051296.D
 Acq On : 18 Sep 2018 14:36
 Operator : MD\SY
 Sample : VN0918WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 2:57:08 PM

Quant Time: Sep 18 15:07:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 06:04:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	533415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	737298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	642824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	296280	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	290899	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
35) Dibromofluoromethane	7.59	113	285064	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
50) Toluene-d8	10.09	98	1039704	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
62) 4-Bromofluorobenzene	12.40	95	313050	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	99343	19.204	ug/l	99
3) Chloromethane	2.06	50	127698	18.745	ug/l	100
4) Vinyl Chloride	2.18	62	133399	19.102	ug/l	99
5) Bromomethane	2.57	94	80476	19.824	ug/l	94
6) Chloroethane	2.70	64	80068	19.218	ug/l	99
7) Trichlorofluoromethane	3.01	101	185341	19.366	ug/l	99
8) Diethyl Ether	3.41	74	62264	19.881	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	113958	19.056	ug/l	99
10) Methyl Iodide	3.95	142	97215	20.279	ug/l	99
11) Tert butyl alcohol	4.80	59	34213	107.173	ug/l	100
12) 1,1-Dichloroethene	3.74	96	102147	18.911	ug/l	96
13) Acrolein	3.61	56	40403	90.118	ug/l	99
14) Allyl chloride	4.33	41	148557	18.632	ug/l	98
15) Acrylonitrile	5.00	53	172390	103.218	ug/l	99
16) Acetone	3.82	43	121902	89.819	ug/l	98
17) Carbon Disulfide	4.05	76	309910	18.608	ug/l	99
18) Methyl Acetate	4.33	43	80077	19.876	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	268525	20.744	ug/l	99
20) Methylene Chloride	4.55	84	120325	18.964	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	111224	18.784	ug/l	94
22) Diisopropyl ether	5.96	45	321943	20.846	ug/l	99
23) Vinyl Acetate	5.90	43	1014176	101.349	ug/l	100
24) 1,1-Dichloroethane	5.85	63	201414	19.507	ug/l	100
25) 2-Butanone	6.84	43	182286	98.159	ug/l	96
26) 2,2-Dichloropropane	6.83	77	153792	18.315	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	122436	19.356	ug/l	98
28) Bromochloromethane	7.20	49	91567	20.137	ug/l	98
29) Tetrahydrofuran	7.22	42	125316	109.144	ug/l	99
30) Chloroform	7.37	83	207797	19.705	ug/l	99
31) Cyclohexane	7.66	56	174931	18.668	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	179284	19.812	ug/l	100
36) 1,1-Dichloropropene	7.80	75	155473	19.480	ug/l	100
37) Ethyl Acetate	6.94	43	85479	20.833	ug/l	100
38) Carbon Tetrachloride	7.78	117	160646	19.303	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091818\
 Data File : VN051296.D
 Acq On : 18 Sep 2018 14:36
 Operator : MD\SY
 Sample : VN0918WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0918WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 2:57:08 PM

Quant Time: Sep 18 15:07:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 06:04:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	162252	18.715	ug/l	99
40) Benzene	8.05	78	470394	19.809	ug/l	99
41) Methacrylonitrile	7.18	41	41982	19.940	ug/l #	87
42) 1,2-Dichloroethane	8.13	62	140749	20.158	ug/l	100
43) Isopropyl Acetate	8.17	43	151914	21.398	ug/l #	89
44) Trichloroethene	8.84	130	128570	19.260	ug/l	98
45) 1,2-Dichloropropane	9.12	63	123081	20.444	ug/l	97
46) Dibromomethane	9.21	93	73366	20.005	ug/l	99
47) Bromodichloromethane	9.40	83	156033	19.962	ug/l	100
48) Methyl methacrylate	9.20	41	70956	20.753	ug/l	98
49) 1,4-Dioxane	9.20	88	19361	391.394	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	400231	109.256	ug/l	100
52) Toluene	10.16	92	289971	20.399	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	141398	19.251	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	170491	19.434	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	104543	20.567	ug/l	99
56) Ethyl methacrylate	10.43	69	114997	19.114	ug/l	99
57) 1,3-Dichloropropane	10.71	76	170421	20.583	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	248637	92.071	ug/l	98
59) 2-Hexanone	10.75	43	242477	100.533	ug/l	99
60) Dibromochloromethane	10.90	129	118721	19.847	ug/l	98
61) 1,2-Dibromoethane	11.01	107	100415	20.554	ug/l	99
64) Tetrachloroethene	10.63	164	119231	19.538	ug/l	97
65) Chlorobenzene	11.44	112	308511	19.403	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	119914	19.920	ug/l	99
67) Ethyl Benzene	11.51	91	497569	19.636	ug/l	99
68) m/p-Xylenes	11.62	106	394253	40.052	ug/l	100
69) o-Xylene	11.95	106	186000	19.827	ug/l	98
70) Styrene	11.96	104	293524	18.494	ug/l	100
71) Bromoform	12.13	173	80043	20.051	ug/l #	100
73) Isopropylbenzene	12.25	105	492795	19.722	ug/l	99
74) N-amyl acetate	12.07	43	95833	18.685	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	123590	22.187	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	101937m	23.693	ug/l	
77) Bromobenzene	12.53	156	130465	20.345	ug/l	100
78) n-propylbenzene	12.59	91	530144	19.670	ug/l	100
79) 2-Chlorotoluene	12.67	91	330268	19.279	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	405176	20.282	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	26987	20.230	ug/l	97
82) 4-Chlorotoluene	12.77	91	318757	19.560	ug/l	100
83) tert-Butylbenzene	12.99	119	346231	19.612	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	396510	20.439	ug/l	99
85) sec-Butylbenzene	13.17	105	443687	19.792	ug/l	100
86) p-Isopropyltoluene	13.29	119	384443	20.452	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	208833	18.920	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	200036	19.385	ug/l	98
89) n-Butylbenzene	13.62	91	259009	18.119	ug/l	100
90) Hexachloroethane	13.88	117	74542	19.812	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	207644	20.113	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15873	21.872	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091818\
Data File : VN051296.D
Acq On : 18 Sep 2018 14:36
Operator : MD\SY
Sample : VN0918WBSD02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD02

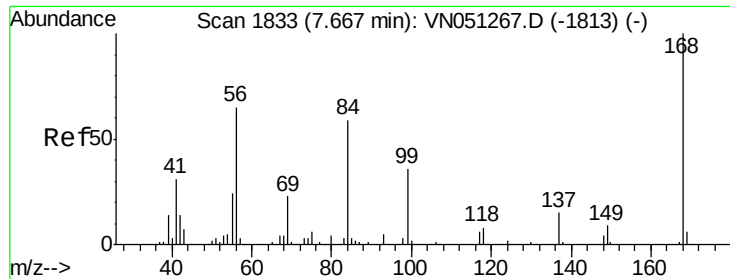
Manual Integrations
APPROVED

MMDadoda
9/19/2018 2:57:08 PM

Quant Time: Sep 18 15:07:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 18 06:04:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	67517	17.183	ug/l	98
94) Hexachlorobutadiene	15.01	225	71857	20.388	ug/l	99
95) Naphthalene	15.13	128	121336	17.460	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	76581	18.804	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBSD02

Tgt Ion:168 Resp: 533415

Ion Ratio Lower Upper

168 100

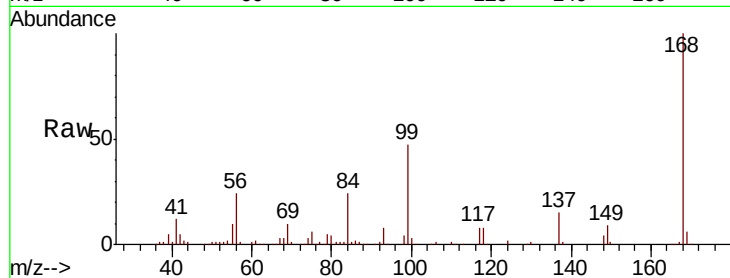
99 47.2 38.2 57.4

Manual Integrations

APPROVED

MMDadoda

9/19/2018 2:57:08 PM



Abundance Ion 167.90 (167.60 to 168.60): VN051267.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051267.D (-1813) (-)

7.67

250000

200000

150000

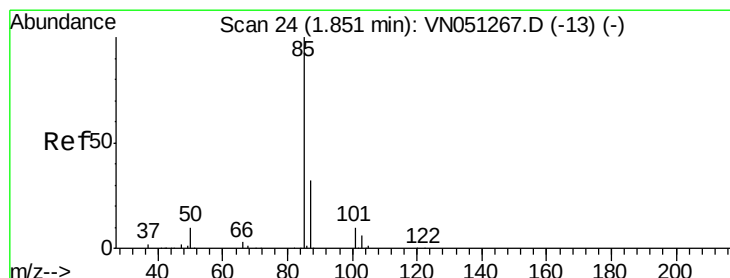
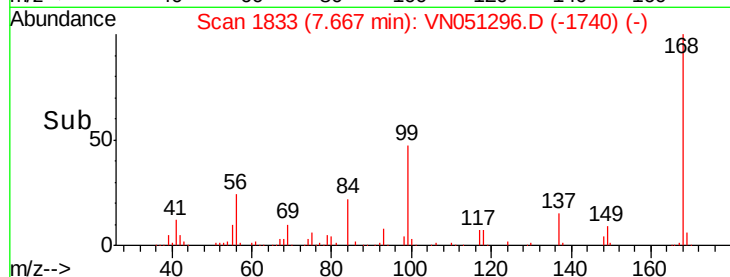
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.204 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051296.D

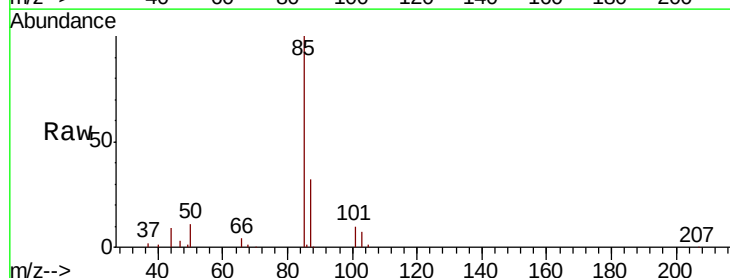
Acq: 18 Sep 2018 14:36

Tgt Ion: 85 Resp: 99343

Ion Ratio Lower Upper

85 100

87 31.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN051267.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN051267.D (-13) (-)

1.85

80000

60000

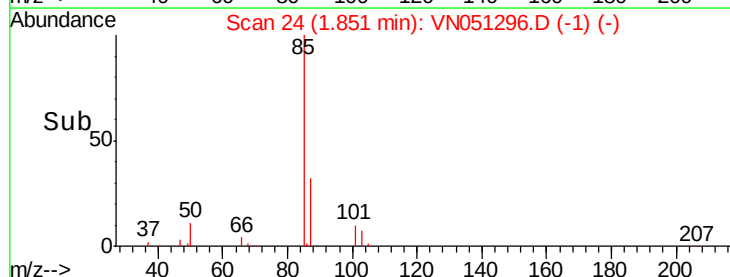
40000

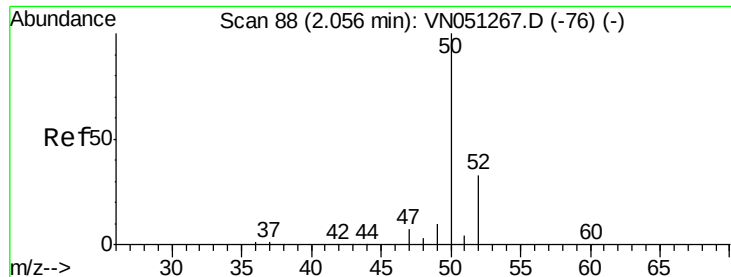
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.745 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBSD02

Tgt Ion: 50 Resp: 127698

Ion Ratio Lower Upper

50 100

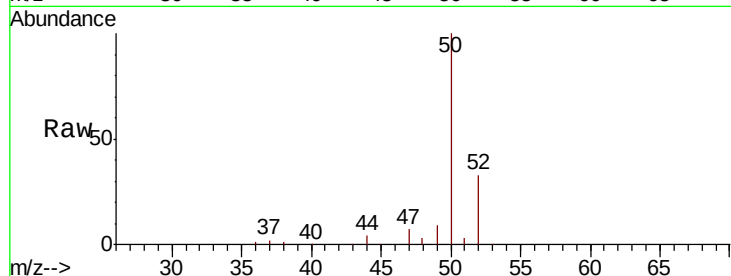
52 33.1 26.6 40.0

Manual Integrations

APPROVED

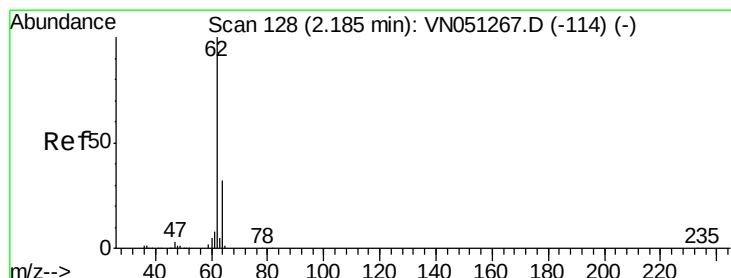
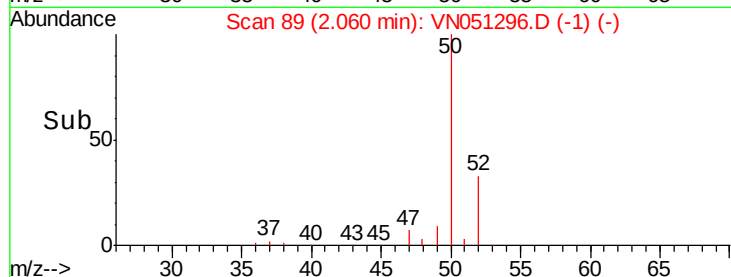
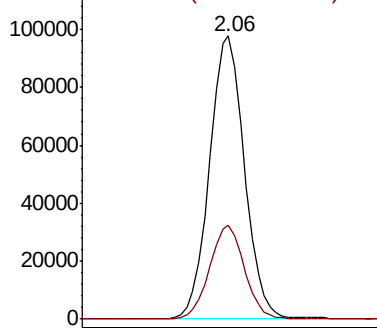
MMDadoda

9/19/2018 2:57:08 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.102 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051296.D

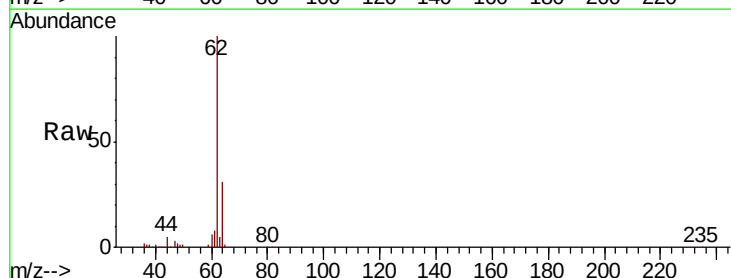
Acq: 18 Sep 2018 14:36

Tgt Ion: 62 Resp: 133399

Ion Ratio Lower Upper

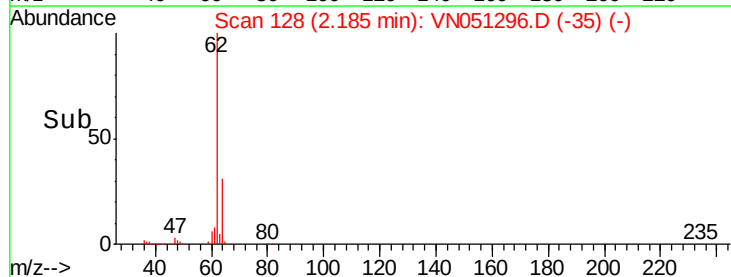
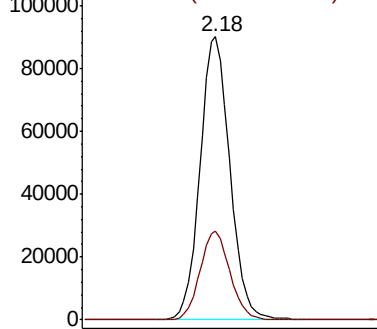
62 100

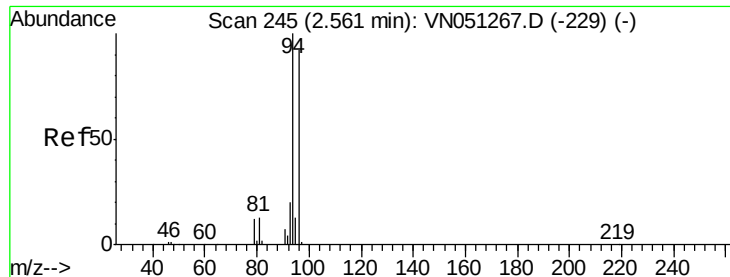
64 31.4 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.824 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBSD02

Tgt Ion: 94 Resp: 80476

Ion Ratio Lower Upper

94 100

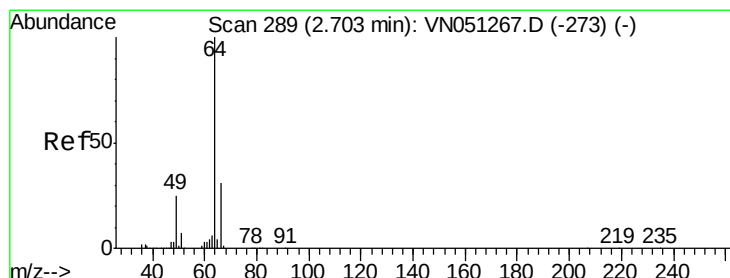
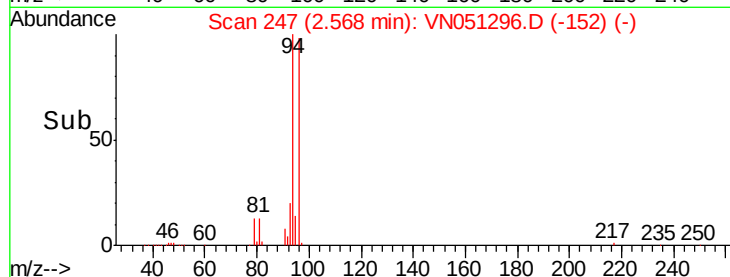
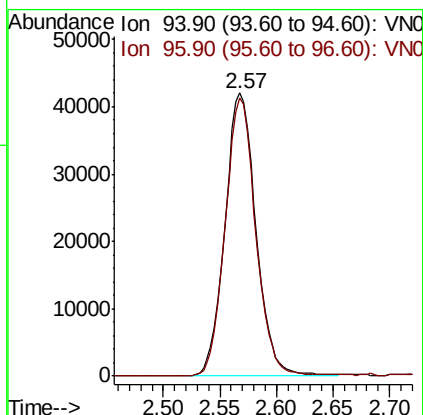
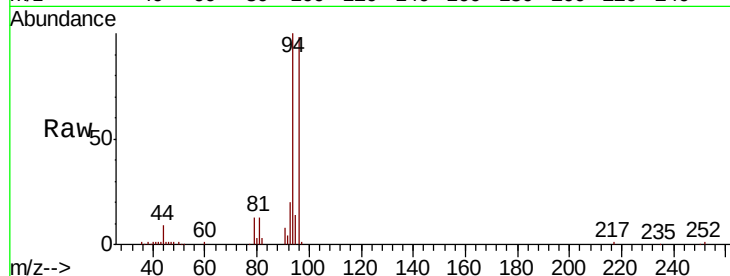
96 98.2 73.8 110.8

Manual Integrations

APPROVED

MMDadoda

9/19/2018 2:57:08 PM



#6

Chloroethane

Concen: 19.218 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051296.D

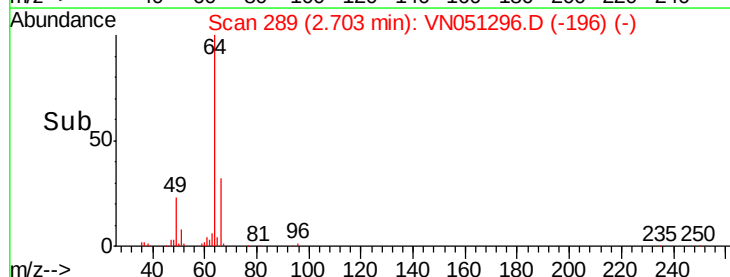
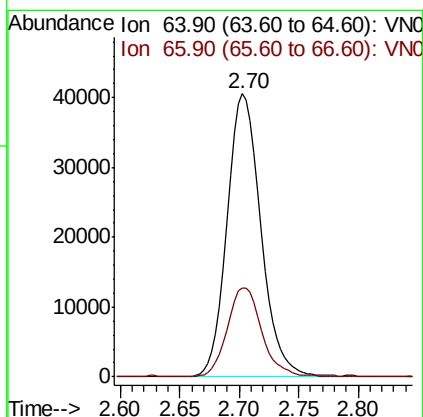
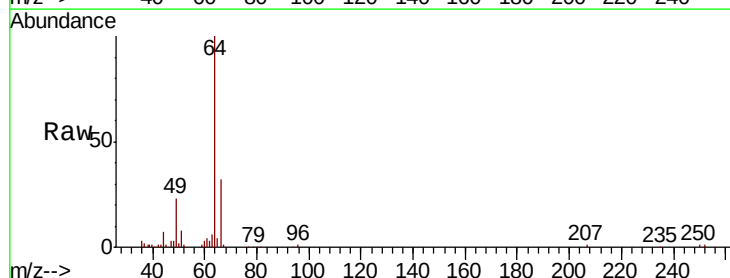
Acq: 18 Sep 2018 14:36

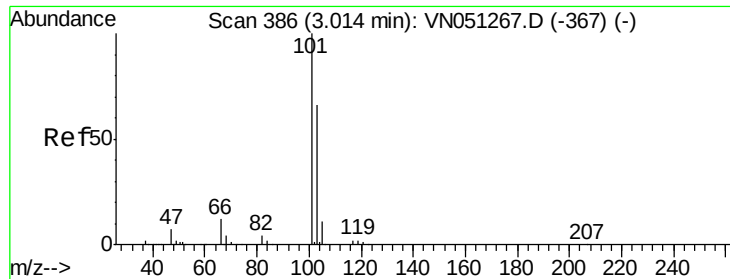
Tgt Ion: 64 Resp: 80068

Ion Ratio Lower Upper

64 100

66 31.5 24.9 37.3





#7

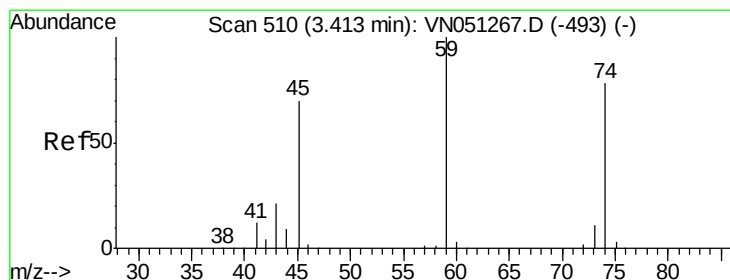
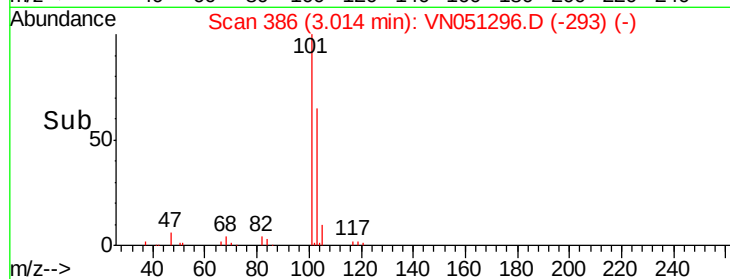
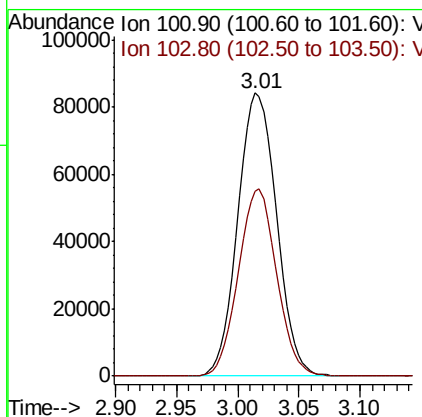
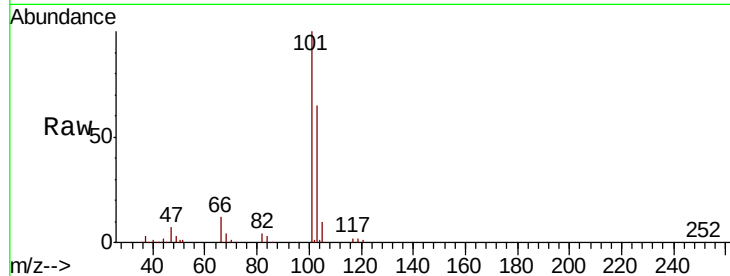
Trichlorofluoromethane
 Concen: 19.366 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD02

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.7	79.1

Manual Integrations
 APPROVED

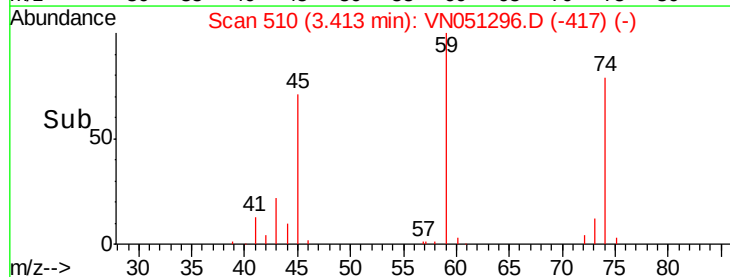
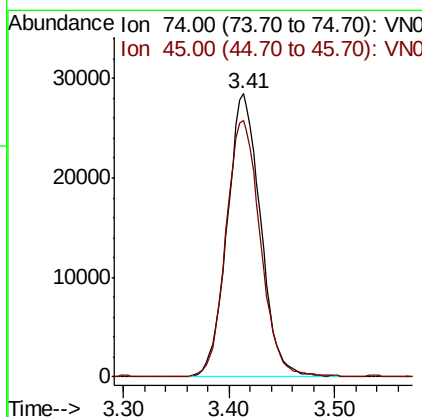
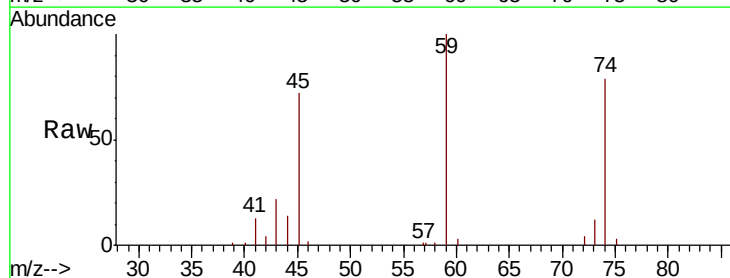
MMDadoda
 9/19/2018 2:57:08 PM

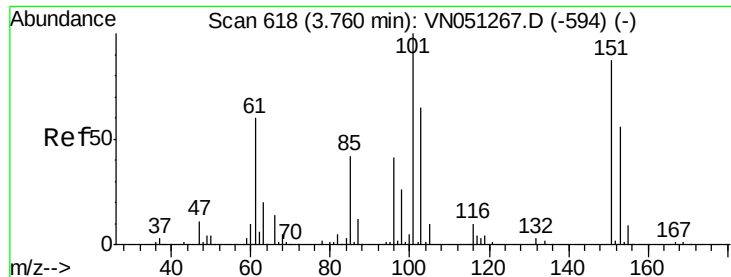


#8

Diethyl Ether
 Concen: 19.881 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.3	46.4	139.2





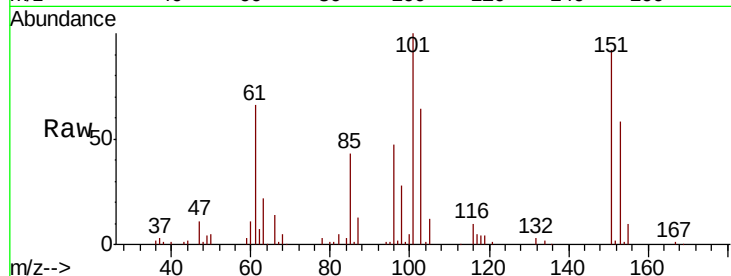
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.056 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0918WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	113958		
85	41.9	33.0	49.6	
151	88.5	69.8	104.8	

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 2:57:08 PM

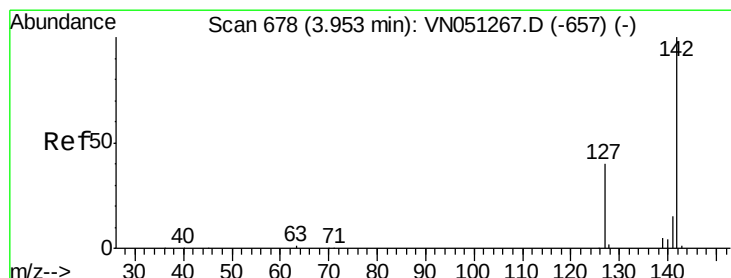
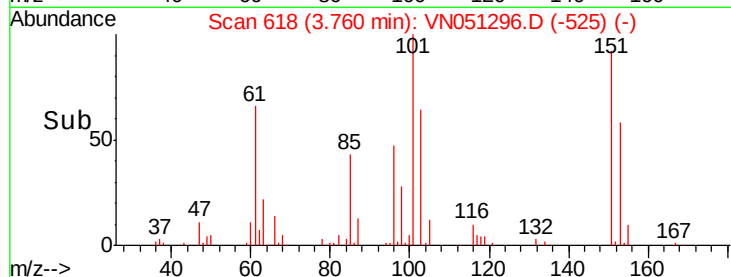
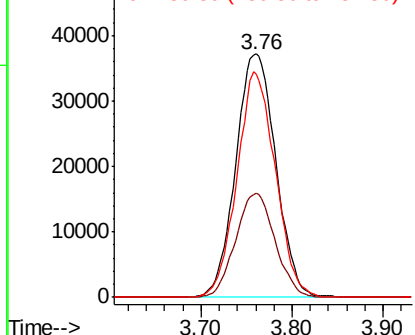


Abundance

Ion 100.90 (100.60 to 101.60): V

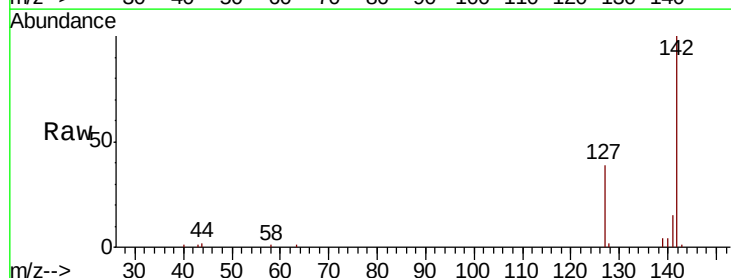
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 20.279 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	97215		
127	40.4	31.7	47.5	
141	13.9	11.6	17.4	

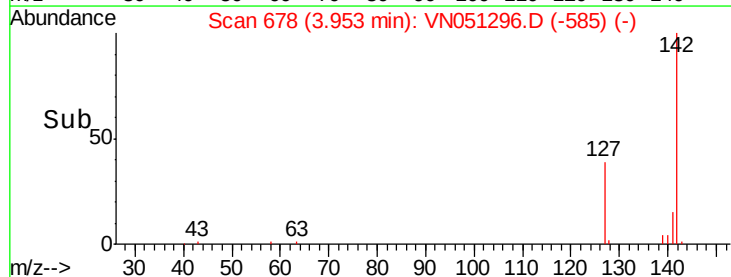
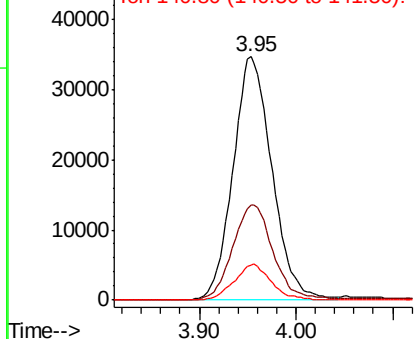


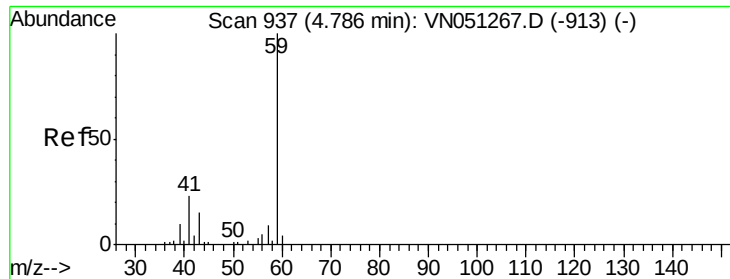
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





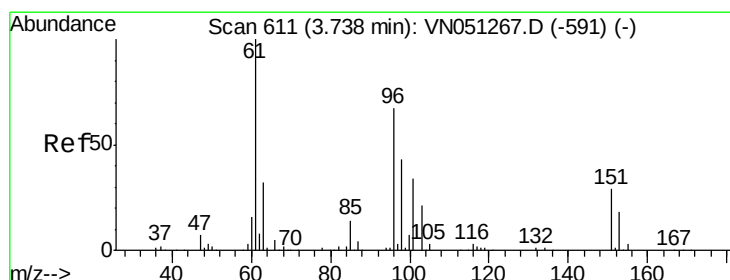
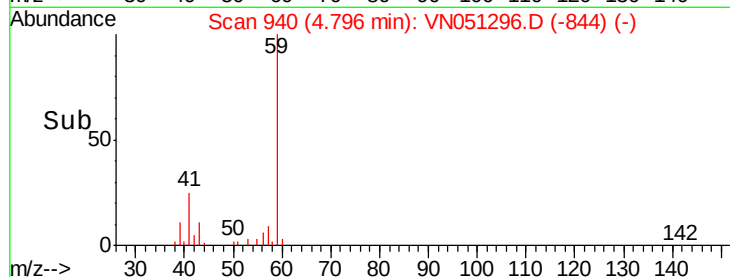
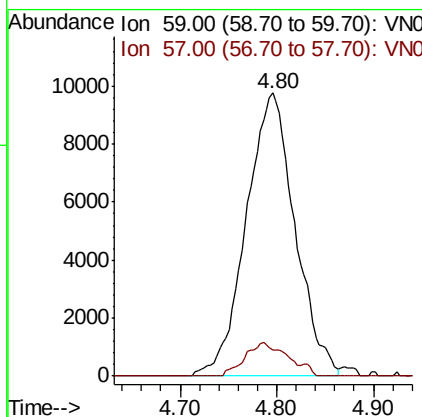
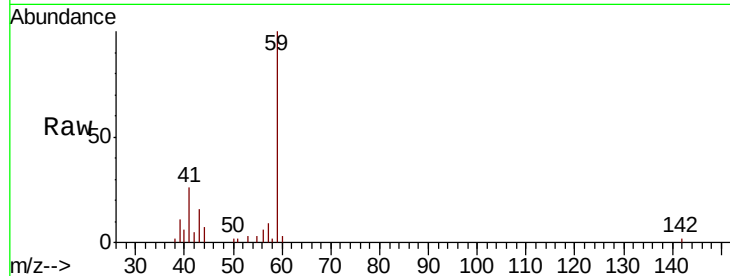
#11
Tert butyl alcohol
Concen: 107.173 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.01 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD02

Tgt Ion: 59 Resp: 34213
Ion Ratio Lower Upper
59 100
57 9.8 7.9 11.9

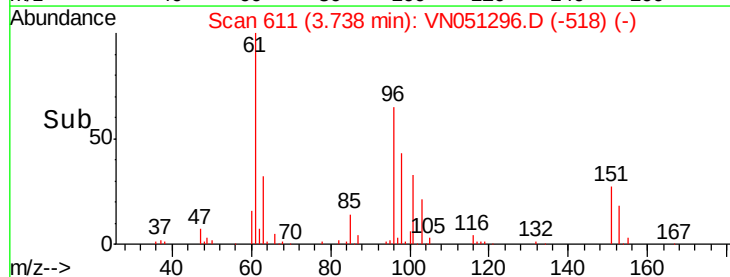
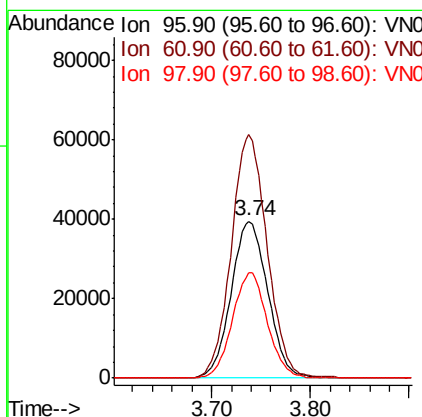
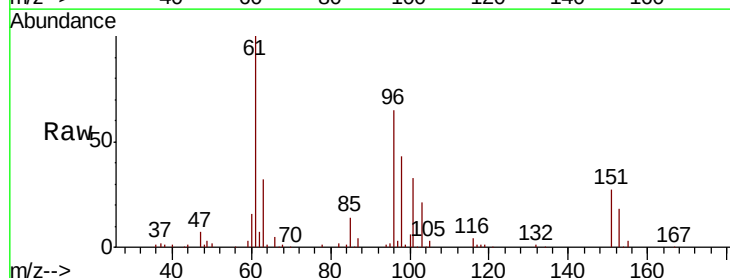
Manual Integrations
APPROVED

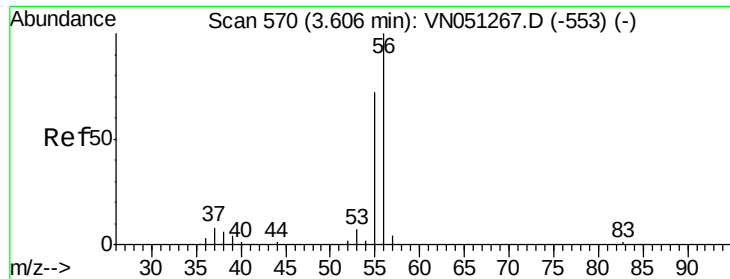
MMDadoda
9/19/2018 2:57:08 PM



#12
1,1-Dichloroethene
Concen: 18.911 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Tgt Ion: 96 Resp: 102147
Ion Ratio Lower Upper
96 100
61 154.9 119.3 178.9
98 66.8 51.8 77.6





#13

Acrolein

Concen: 90.118 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBSD02

Tgt Ion: 56 Resp: 40403

Ion Ratio Lower Upper

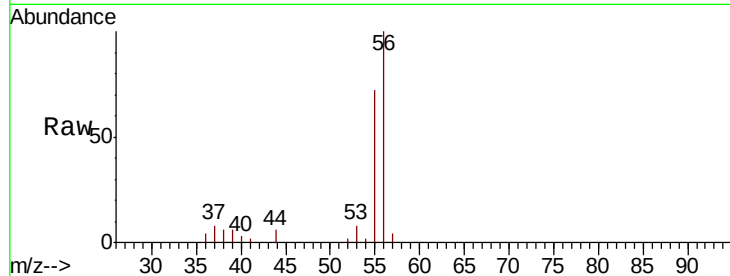
56 100

55 71.2 56.4 84.6

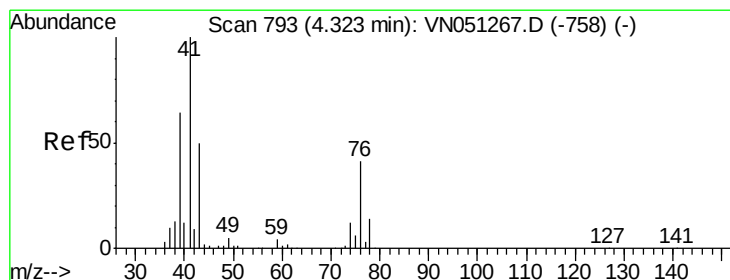
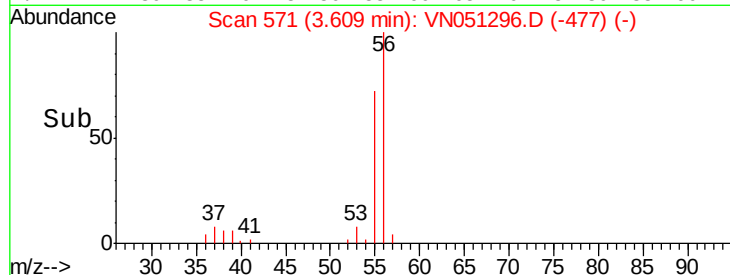
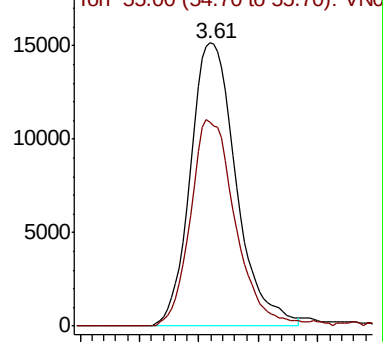
Manual Integrations
APPROVED

MMDadoda

9/19/2018 2:57:08 PM



Abundance Ion 56.00 (55.70 to 56.70): VN051267.D (-553) (-)



#14

Allyl chloride

Concen: 18.632 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

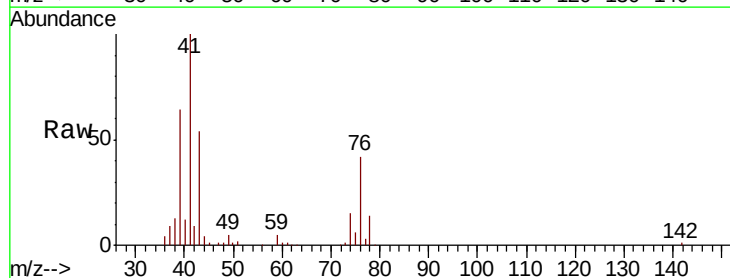
Tgt Ion: 41 Resp: 148557

Ion Ratio Lower Upper

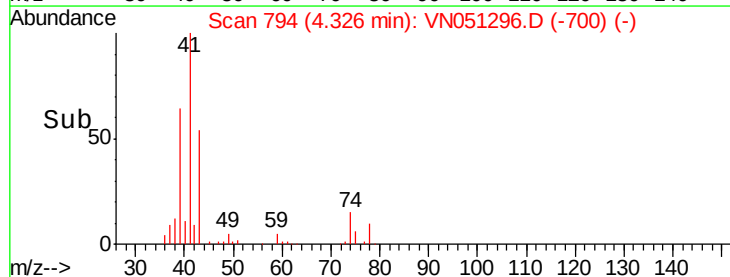
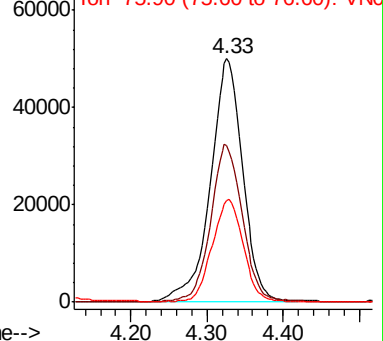
41 100

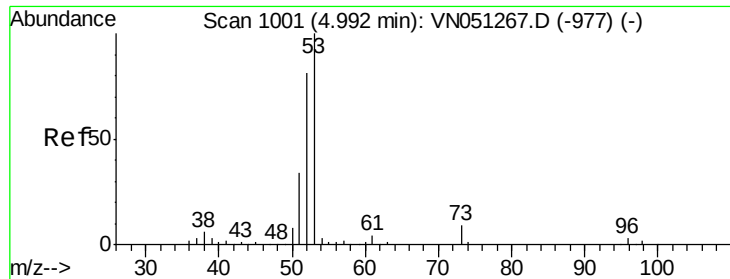
39 63.2 49.0 73.4

76 40.4 31.4 47.0



Abundance Ion 41.00 (40.70 to 41.70): VN051267.D (-758) (-)





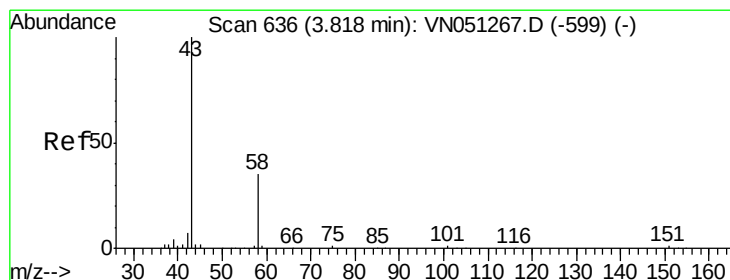
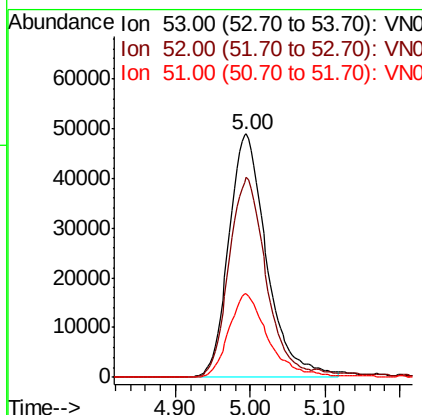
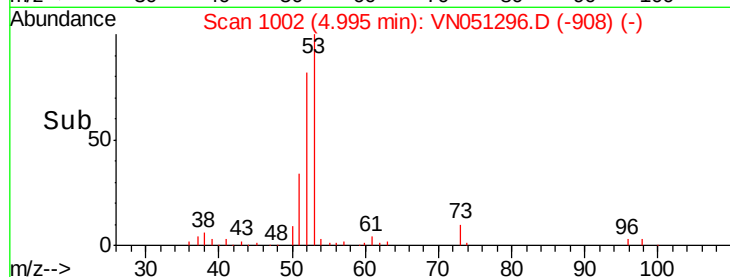
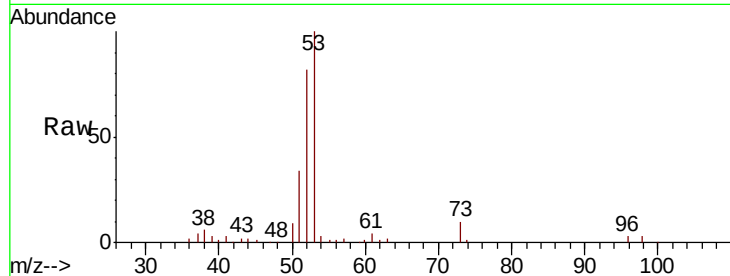
#15
 Acrylonitrile
 Concen: 103.218 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD02

Tgt Ion	Ratio	Lower	Upper
53	100		
52	79.9	65.0	97.6
51	35.6	28.0	42.0

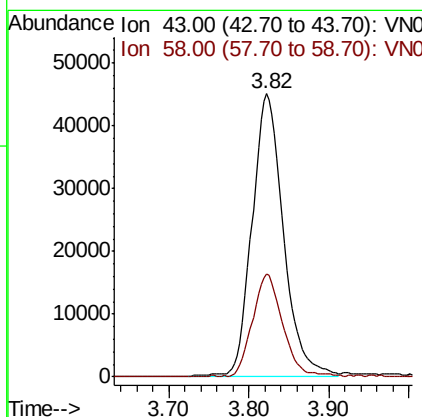
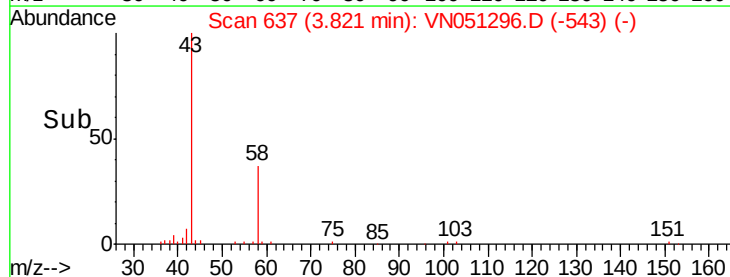
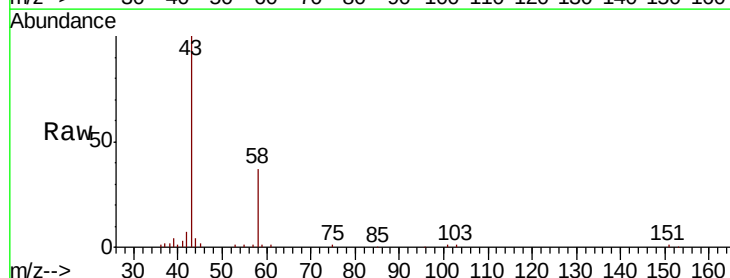
Manual Integrations
 APPROVED

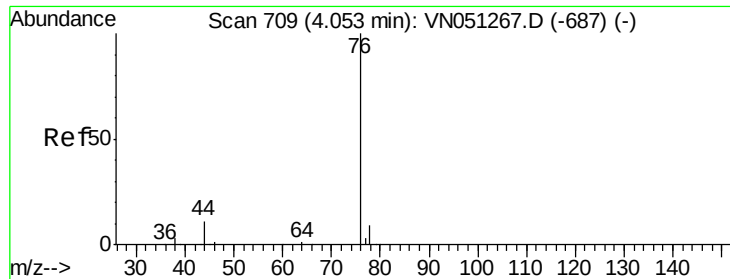
MMDadoda
 9/19/2018 2:57:08 PM



#16
 Acetone
 Concen: 89.819 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.5	28.2	42.2





#17

Carbon Disulfide

Concen: 18.608 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBSD02

Tgt Ion: 76 Resp: 309910

Ion Ratio Lower Upper

76 100

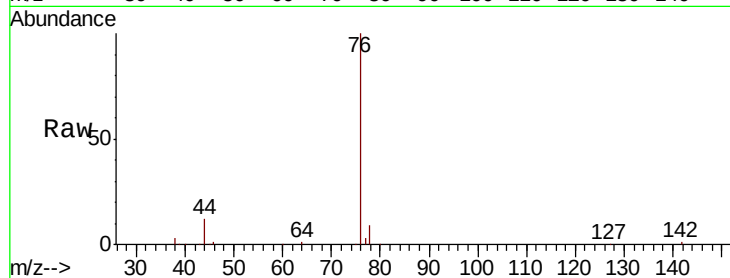
78 8.8 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

9/19/2018 2:57:08 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

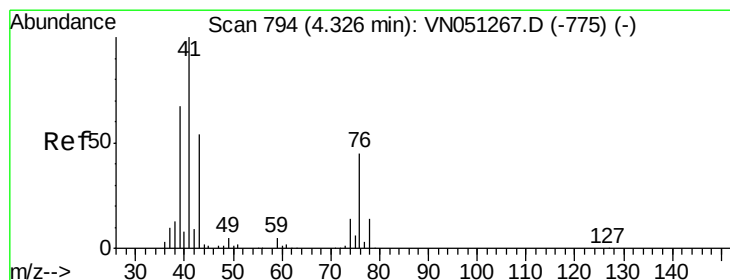
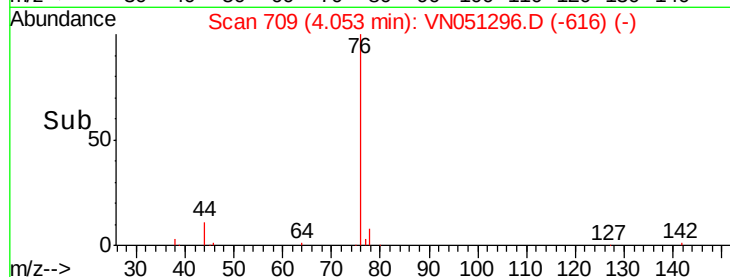
4.05

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 19.876 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051296.D

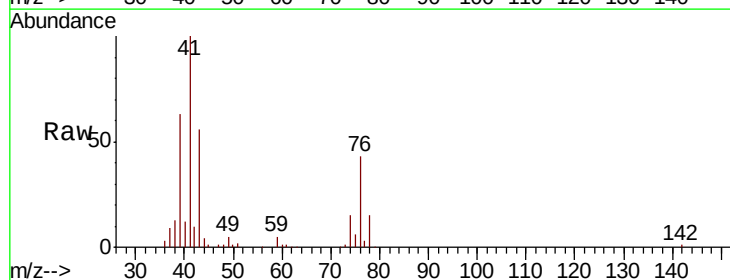
Acq: 18 Sep 2018 14:36

Tgt Ion: 43 Resp: 80077

Ion Ratio Lower Upper

43 100

74 27.7 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

30000

25000

20000

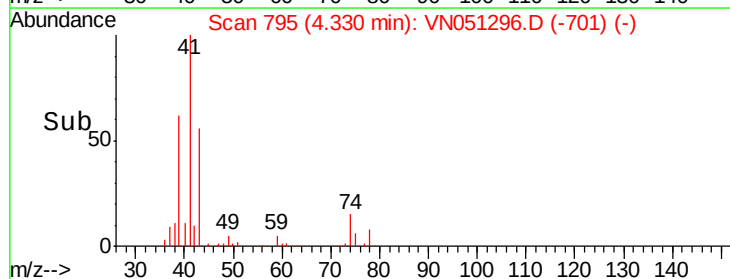
15000

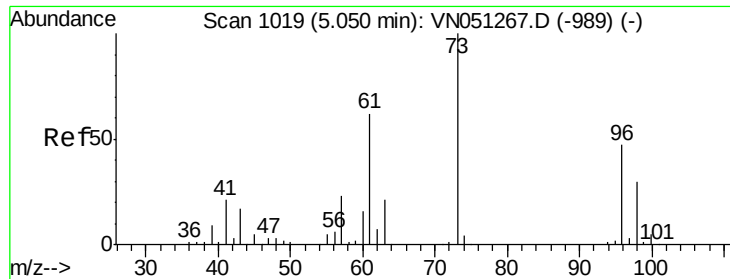
10000

5000

0

Time-->





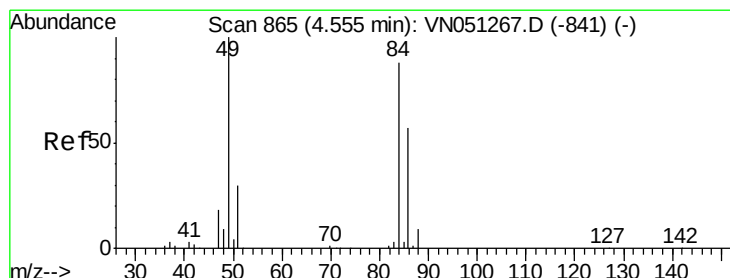
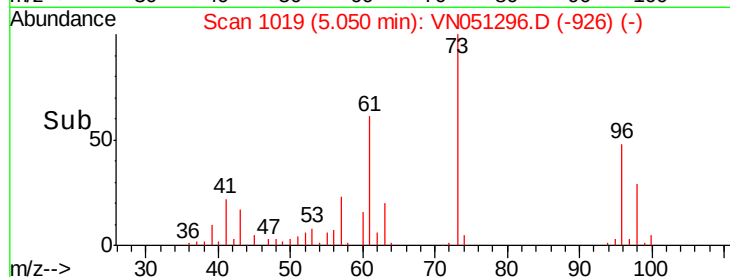
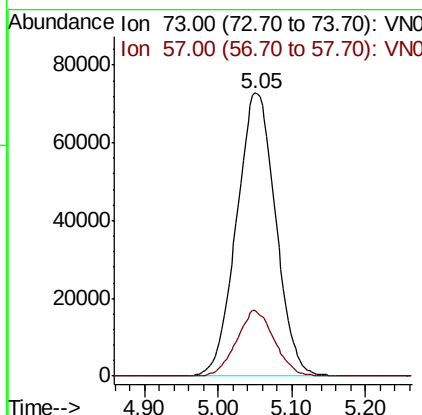
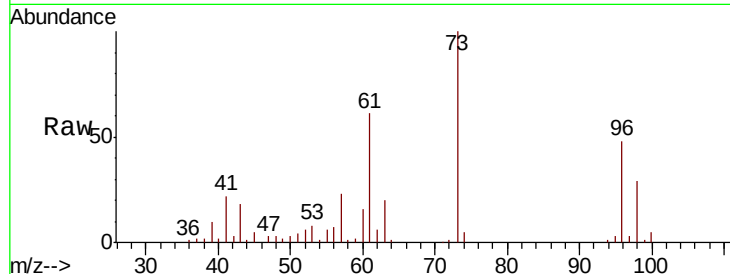
#19
Methyl tert-butyl Ether
Concen: 20.744 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD02

Tgt Ion: 73 Resp: 268525
Ion Ratio Lower Upper
73 100
57 23.3 18.1 27.1

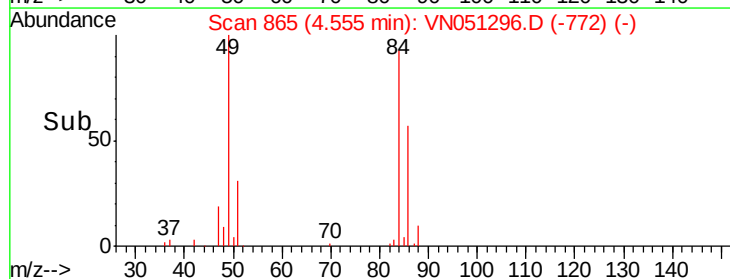
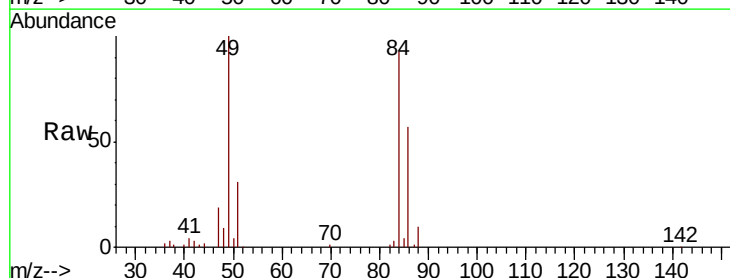
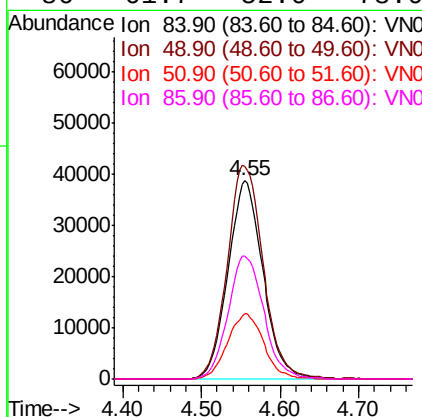
Manual Integrations
APPROVED

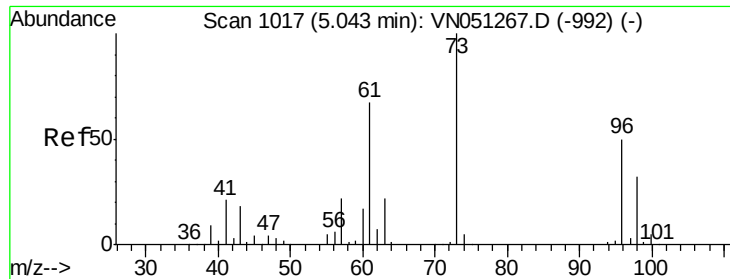
MMDadoda
9/19/2018 2:57:08 PM



#20
Methylene Chloride
Concen: 18.964 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Tgt Ion: 84 Resp: 120325
Ion Ratio Lower Upper
84 100
49 107.3 91.2 136.8
51 33.1 27.7 41.5
86 61.7 52.0 78.0





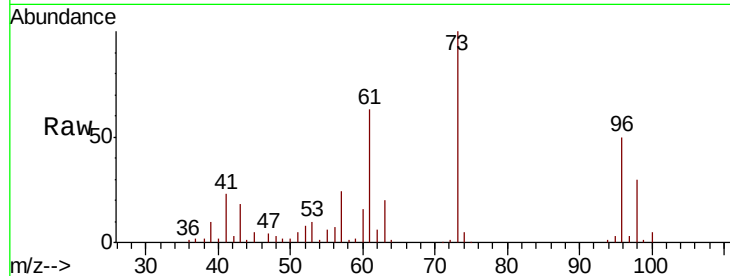
#21
trans-1,2-Dichloroethene
Concen: 18.784 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	125.3	106.7	160.1
98	61.1	51.4	77.0

Manual Integrations
APPROVED

MMDadoda
9/19/2018 2:57:08 PM

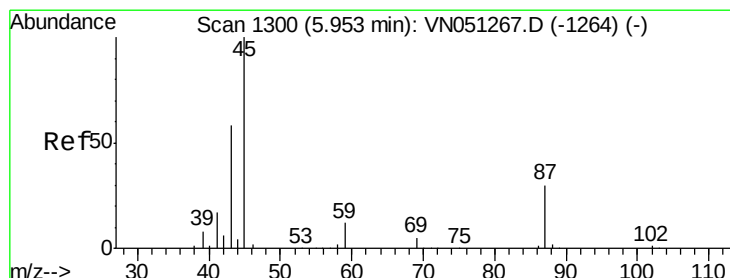
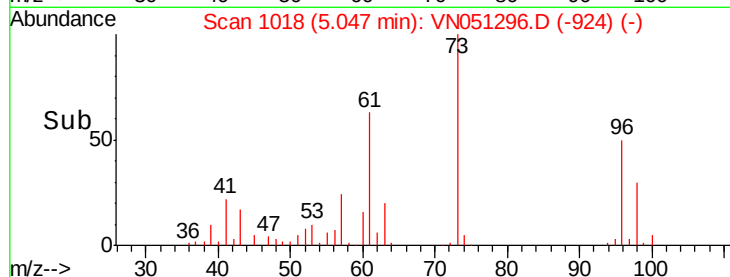
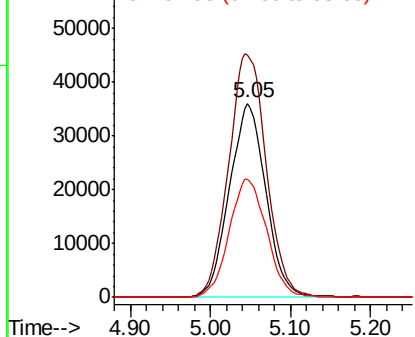


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 20.846 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.1	46.7	70.1
87	30.6	24.6	36.8
59	12.5	9.6	14.4

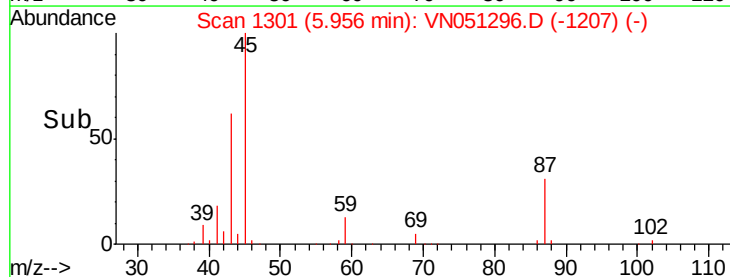
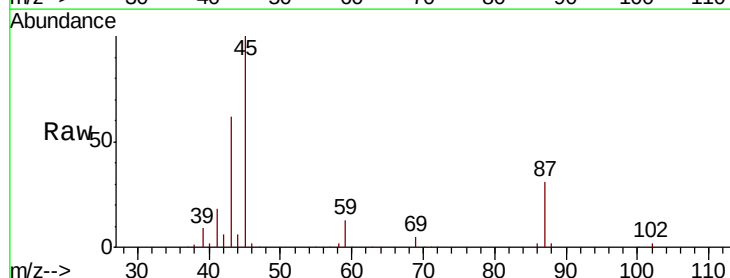
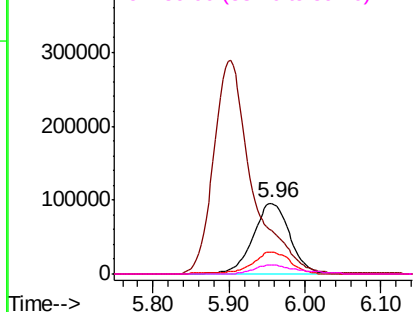
Abundance

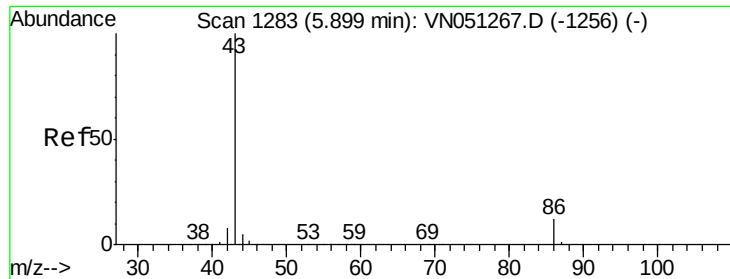
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





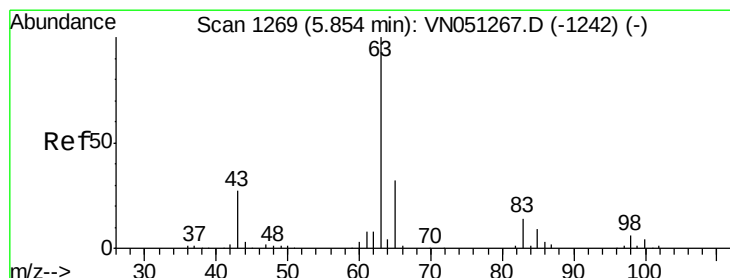
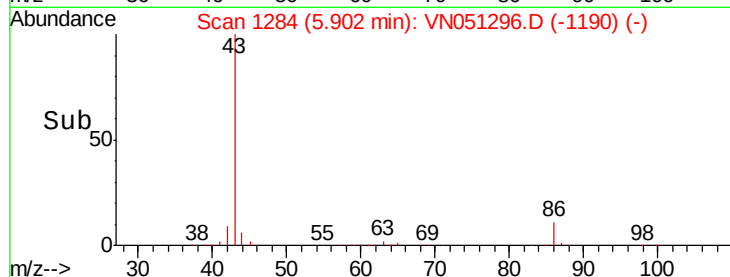
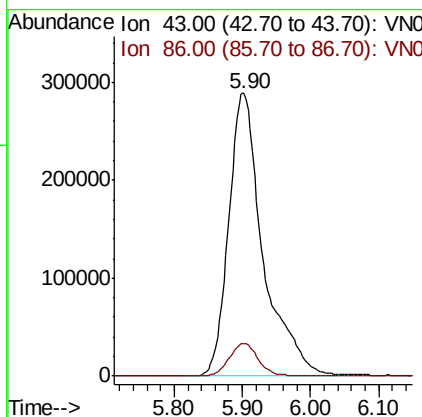
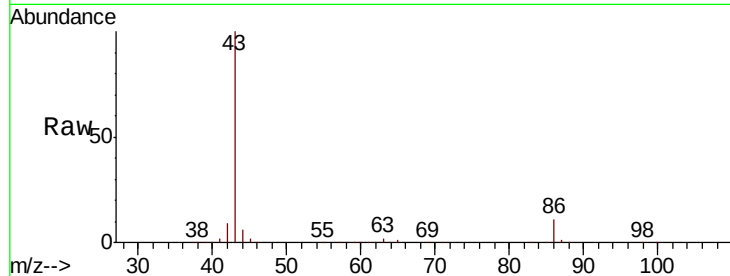
#23
 Vinyl Acetate
 Concen: 101.349 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD02

Tgt Ion: 43 Resp: 1014176
 Ion Ratio Lower Upper
 43 100
 86 11.5 9.3 13.9

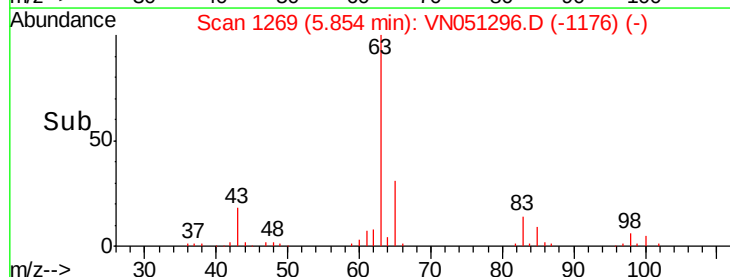
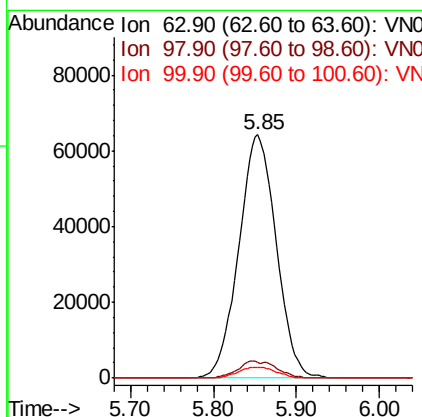
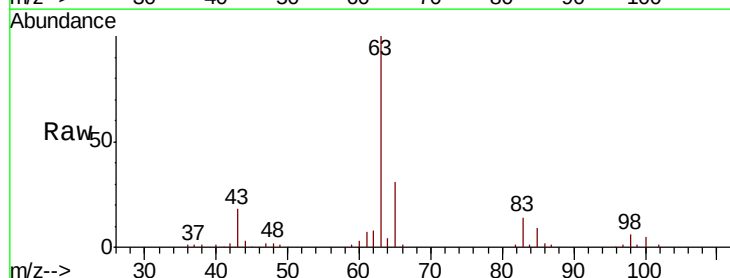
Manual Integrations
 APPROVED

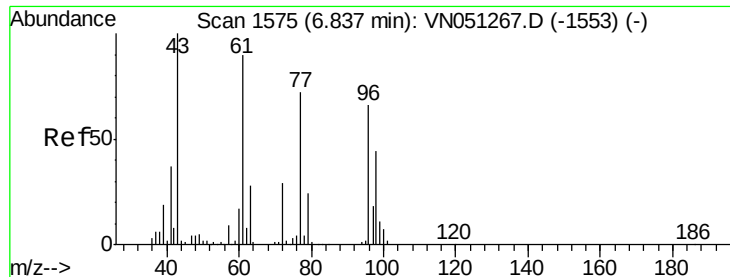
MMDadoda
 9/19/2018 2:57:08 PM



#24
 1,1-Dichloroethane
 Concen: 19.507 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Tgt Ion: 63 Resp: 201414
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.3 9.8
 100 4.6 2.3 6.8





#25

2-Butanone

Concen: 98.159 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBSD02

Tgt Ion: 43 Resp: 182286

Ion Ratio Lower Upper

43 100

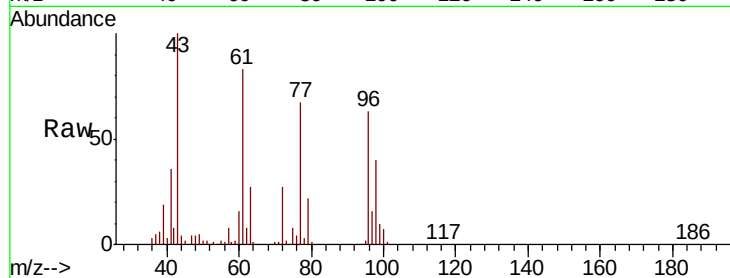
72 27.1 23.4 35.0

Manual Integrations

APPROVED

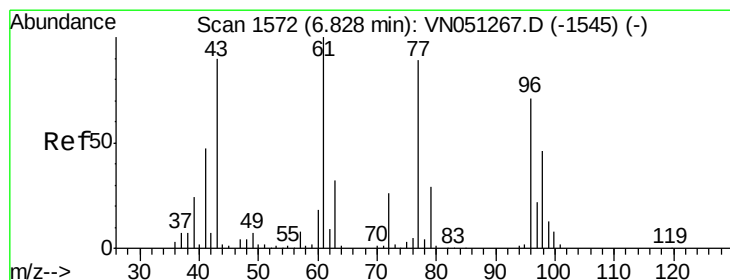
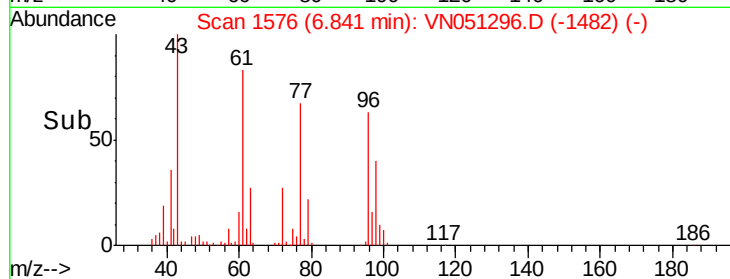
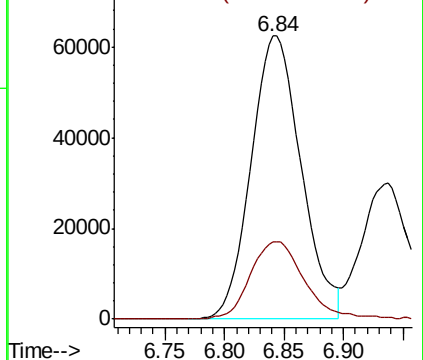
MMDadoda

9/19/2018 2:57:08 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 18.315 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051296.D

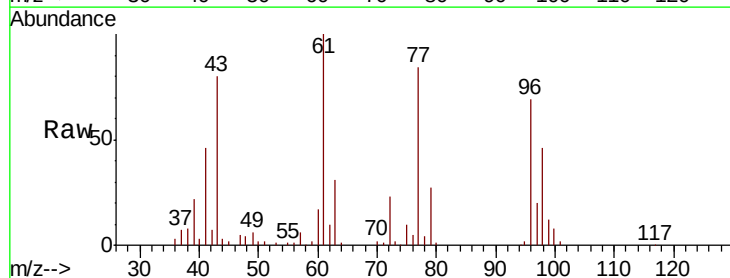
Acq: 18 Sep 2018 14:36

Tgt Ion: 77 Resp: 153792

Ion Ratio Lower Upper

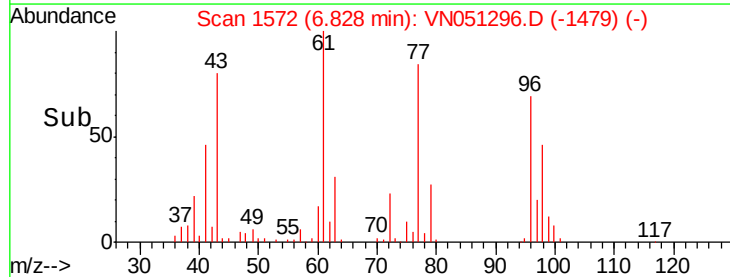
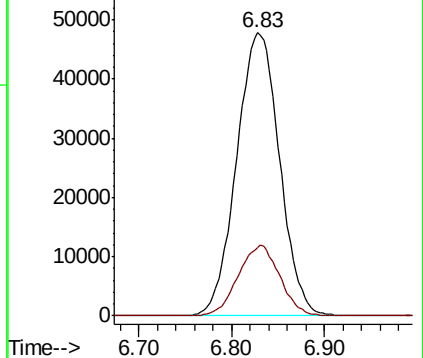
77 100

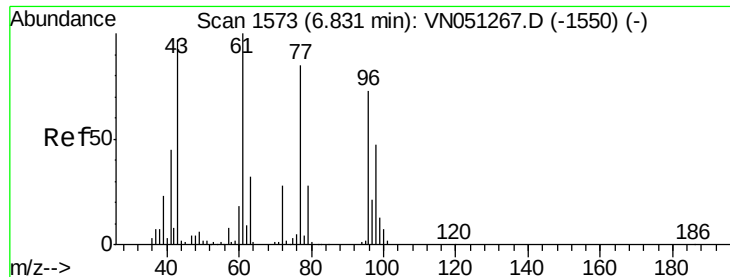
97 24.1 12.2 36.4



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.356 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

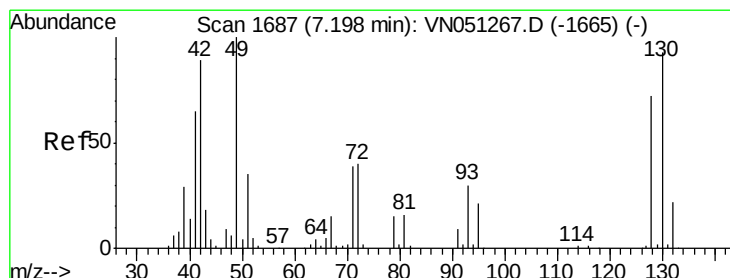
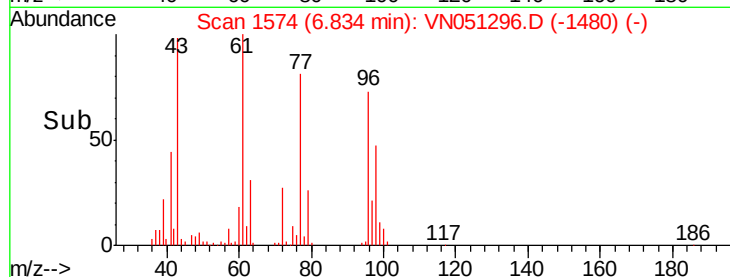
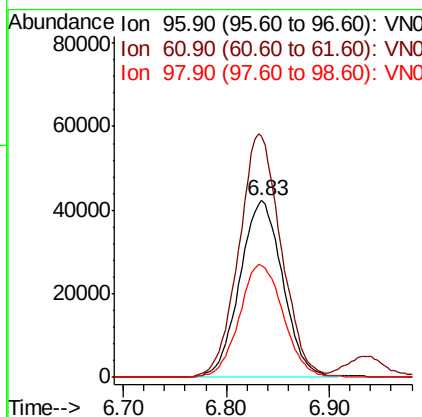
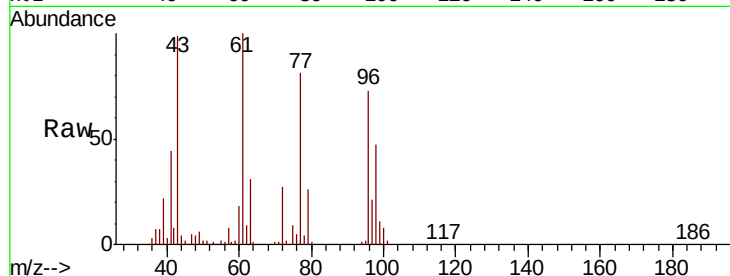
ClientSampleId :

VN0918WBSD02

Tgt Ion:	96	Resp:	122436
Ion	Ratio	Lower	Upper
96	100		
61	135.4	0.0	276.2
98	65.3	0.0	129.2

Manual Integrations
APPROVED

MMDadoda
9/19/2018 2:57:08 PM



#28

Bromochloromethane

Concen: 20.137 ug/l

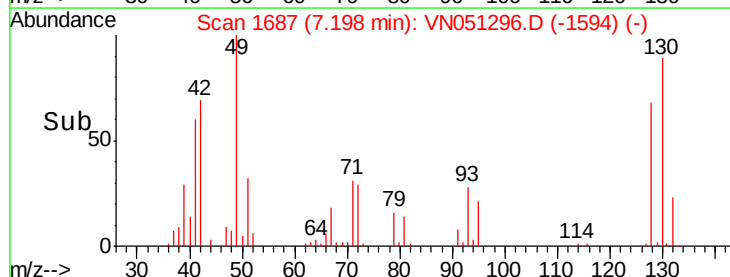
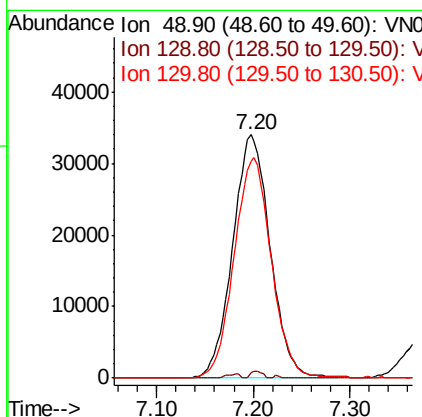
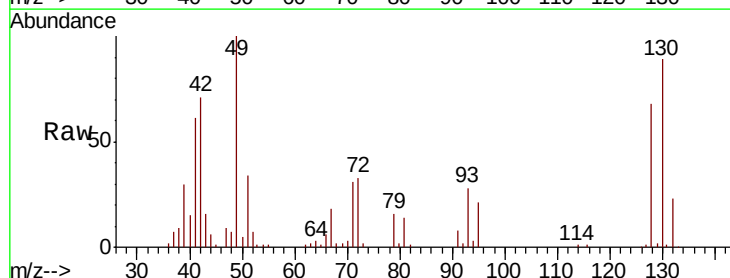
RT: 7.20 min Scan# 1687

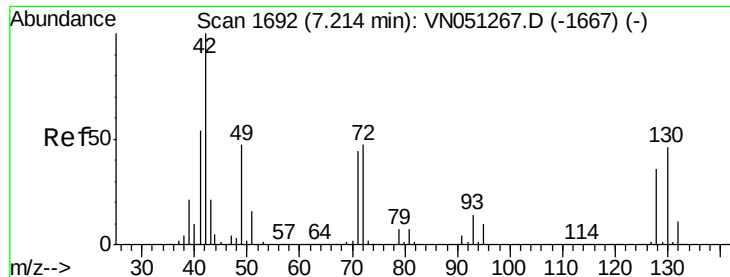
Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Tgt Ion:	49	Resp:	91567
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	4.6
130	90.0	73.7	110.5





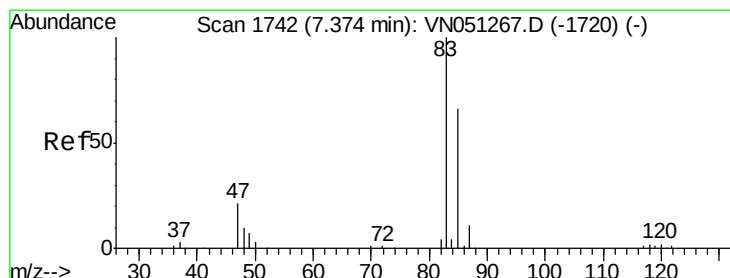
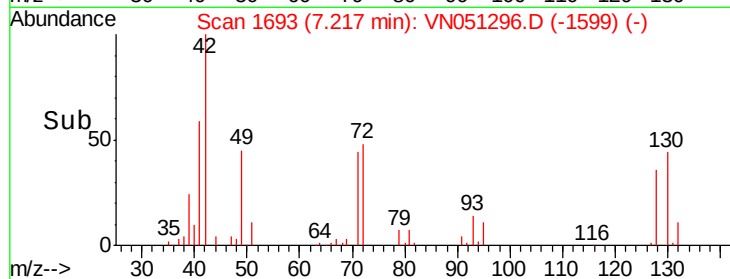
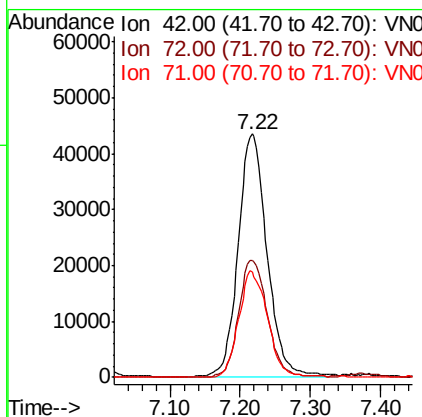
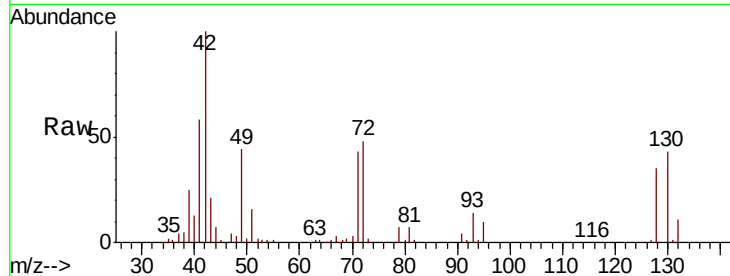
#29
Tetrahydrofuran
Concen: 109.144 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	47.6	37.6	56.4
71	43.2	35.4	53.2

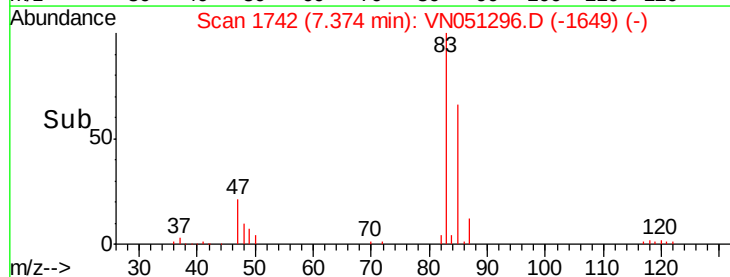
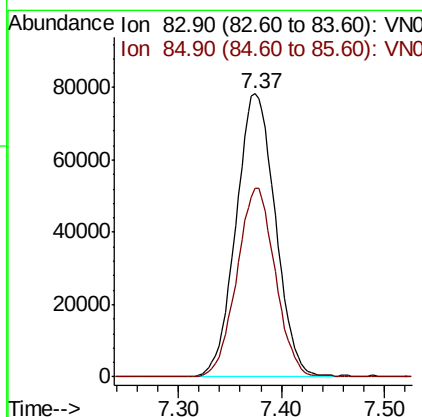
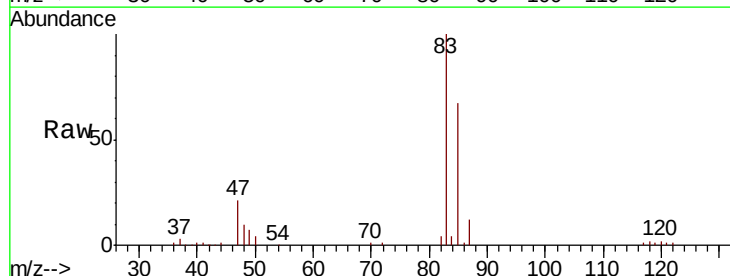
Manual Integrations
APPROVED

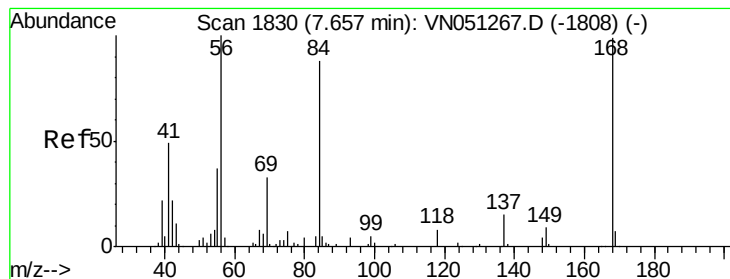
MMDadoda
9/19/2018 2:57:08 PM



#30
Chloroform
Concen: 19.705 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.4	78.6





#31

Cyclohexane

Concen: 18.668 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBSD02

Tgt Ion: 56 Resp: 174931
Ion Ratio Lower Upper

56 100

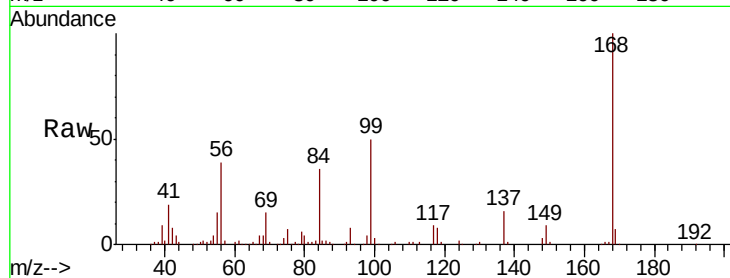
69 39.2 26.2 39.2

84 93.0 70.6 106.0

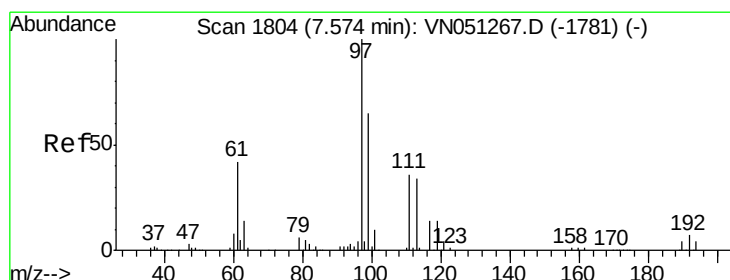
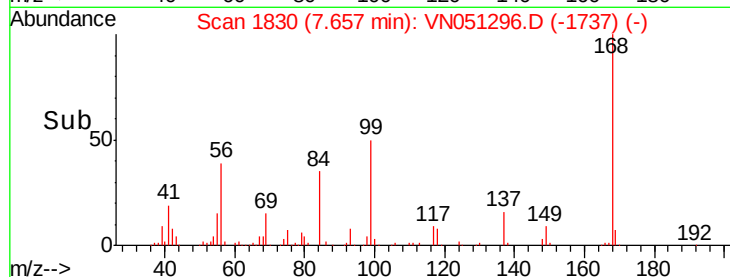
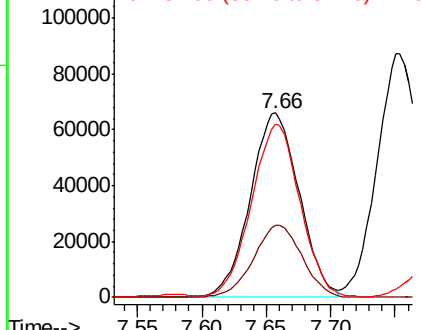
Manual Integrations
APPROVED

MMDadoda

9/19/2018 2:57:08 PM



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



#32

1,1,1-Trichloroethane

Concen: 19.812 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051296.D

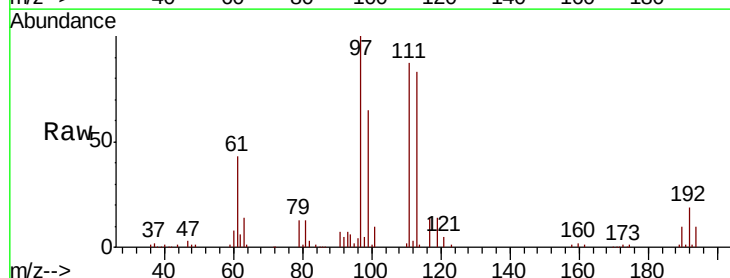
Acq: 18 Sep 2018 14:36

Tgt Ion: 97 Resp: 179284
Ion Ratio Lower Upper

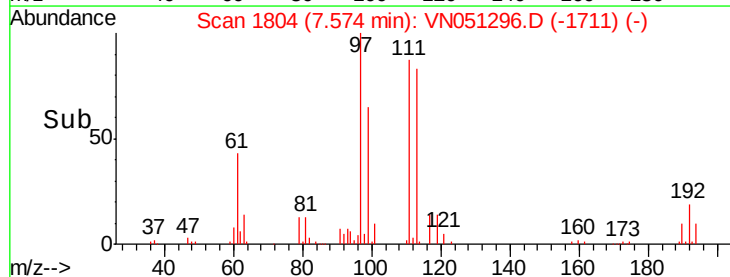
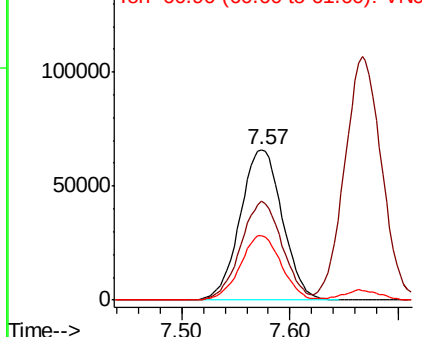
97 100

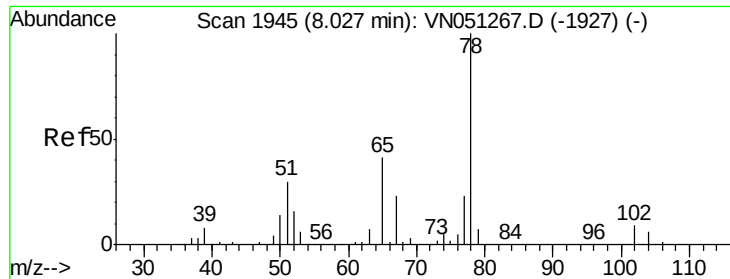
99 64.4 51.6 77.4

61 41.9 33.4 50.2



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





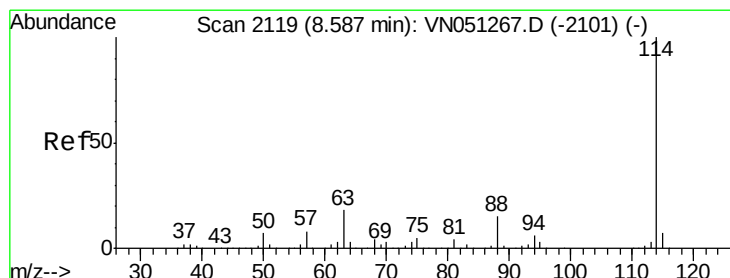
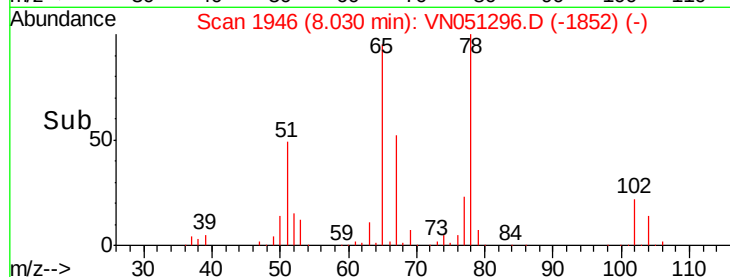
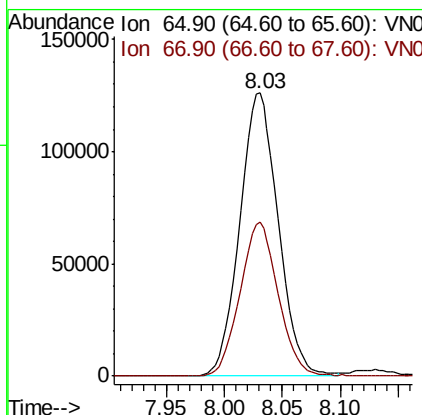
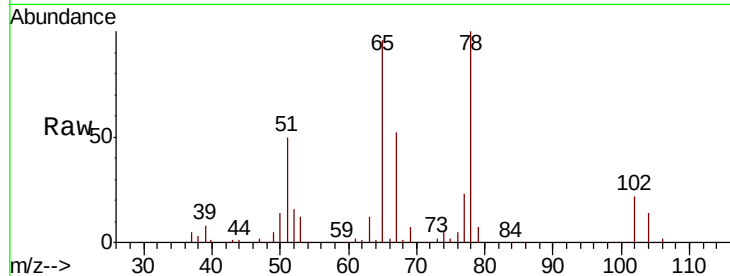
#33
 1,2-Dichloroethane-d4
 Concen: 50.180 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD02

Tgt Ion: 65 Resp: 290899
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 111.0

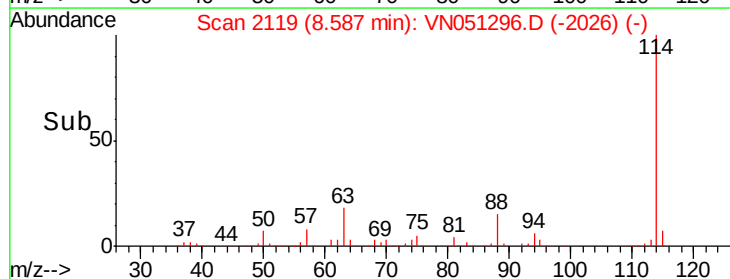
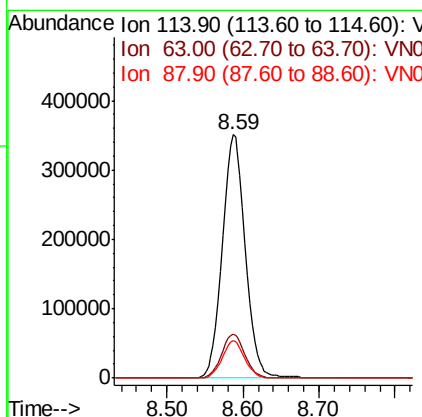
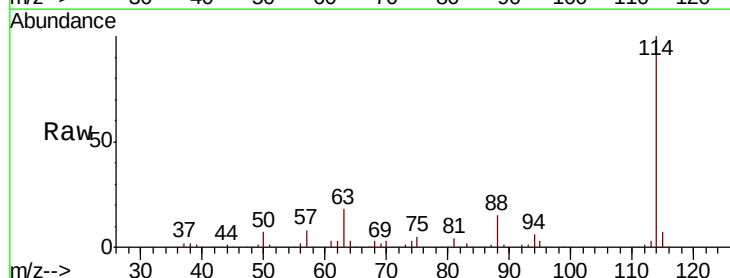
Manual Integrations
 APPROVED

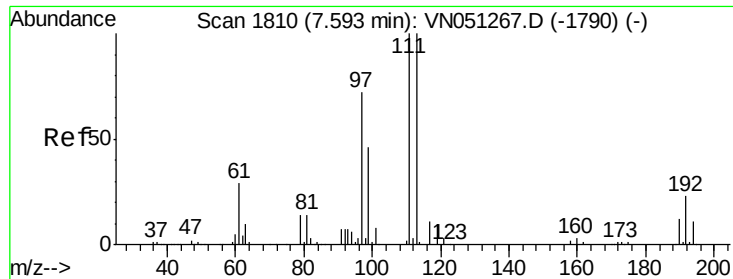
MMDadoda
 9/19/2018 2:57:08 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Tgt Ion: 114 Resp: 737298
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 36.8
 88 15.2 0.0 30.8





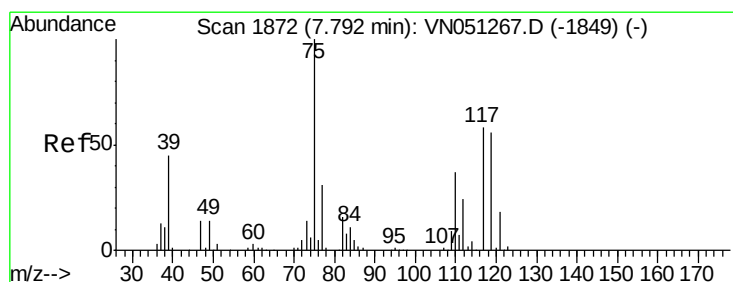
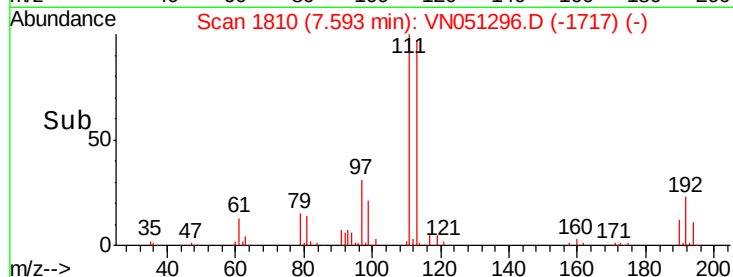
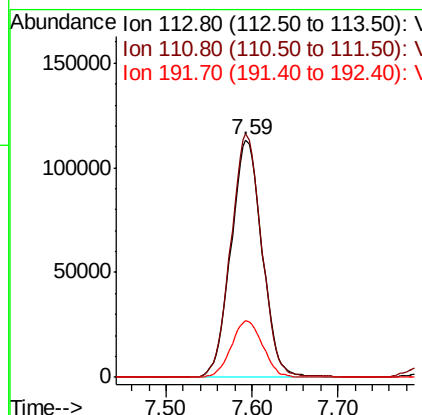
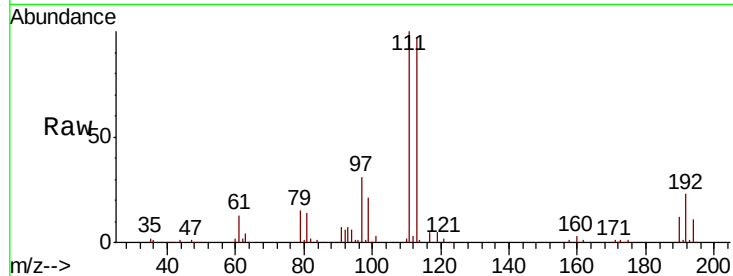
#35
 Dibromofluoromethane
 Concen: 49.754 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	285064		
111	101.4	82.2	123.4	
192	24.1	19.0	28.6	

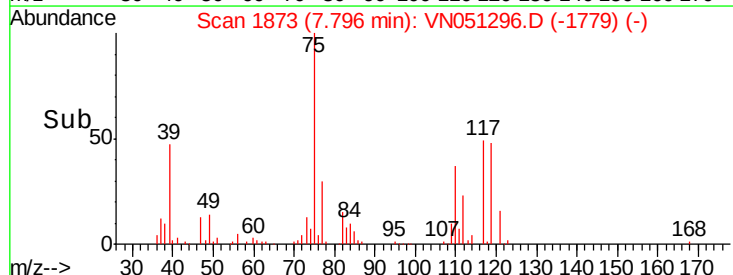
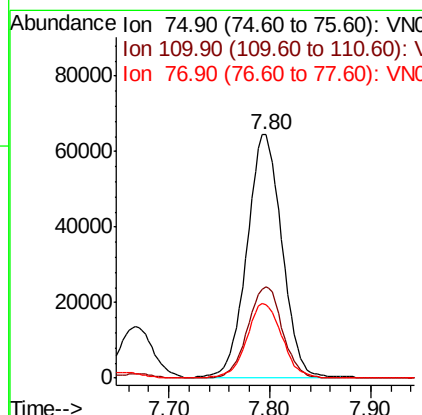
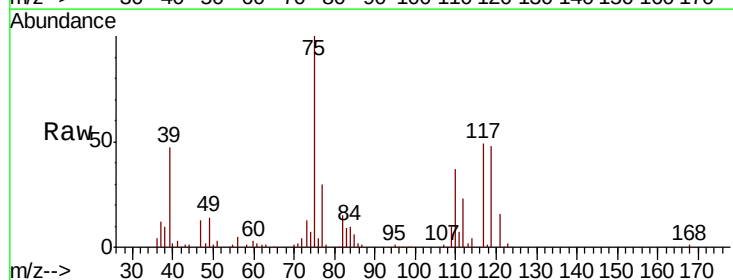
Manual Integrations
 APPROVED

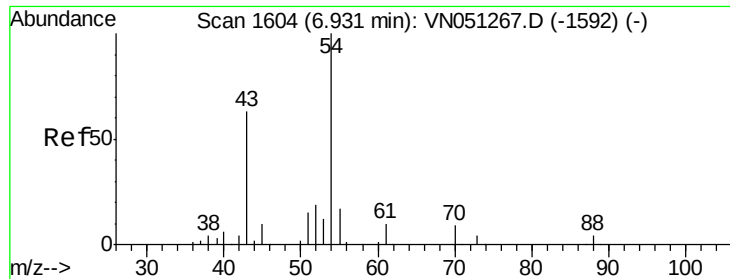
MMDadoda
 9/19/2018 2:57:08 PM



#36
 1,1-Dichloropropene
 Concen: 19.480 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	155473		
110	37.0	18.6	56.0	
77	30.9	24.7	37.1	





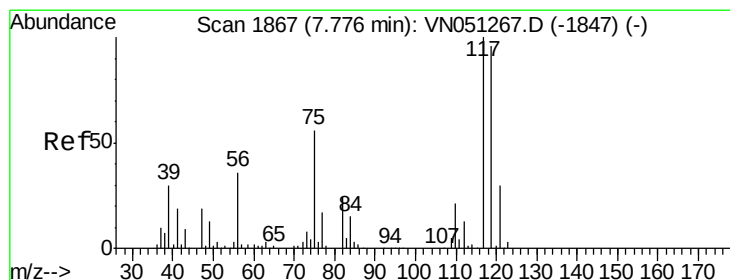
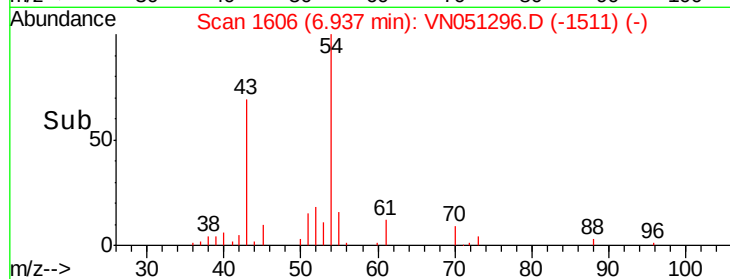
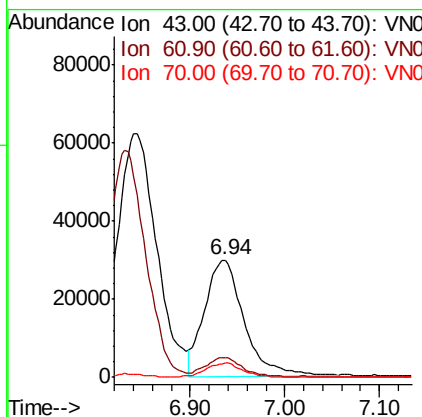
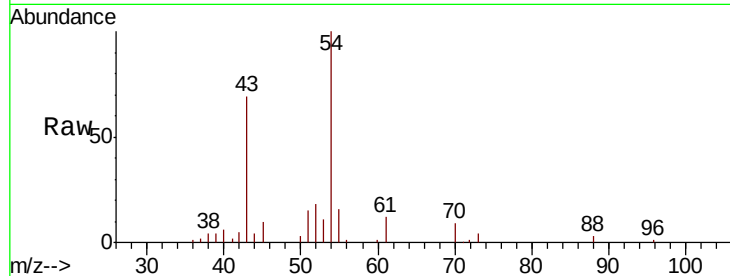
#37
Ethyl Acetate
Concen: 20.833 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Instrument :
MSVOA_N
ClientSampled :
VN0918WBSD02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.3	18.5
70	11.7	9.4	14.0

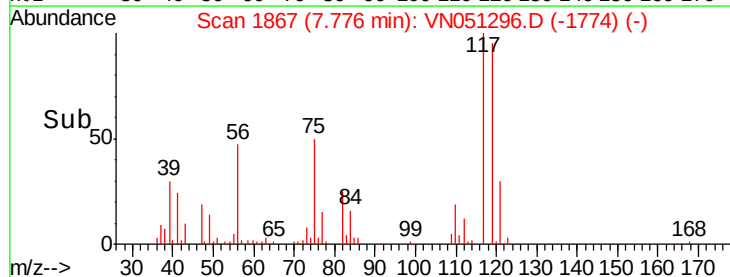
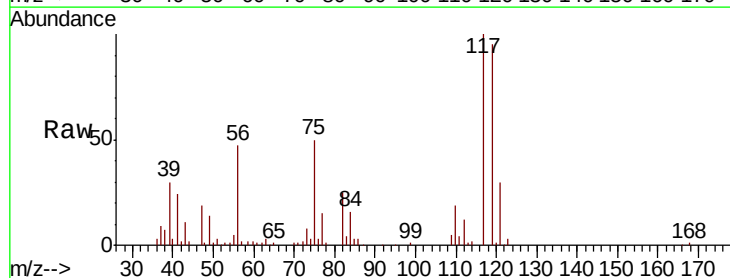
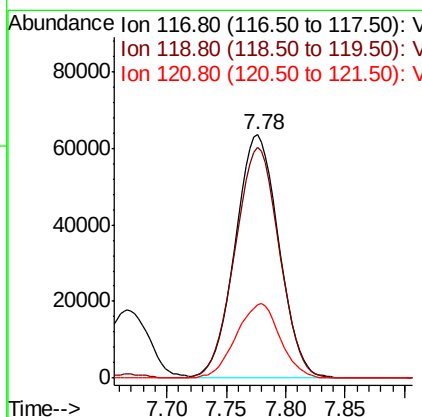
Manual Integrations
APPROVED

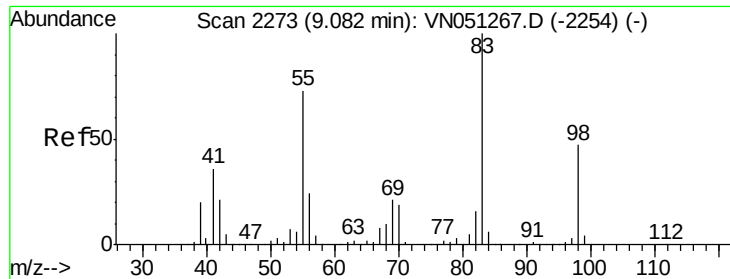
MMDadoda
9/19/2018 2:57:08 PM



#38
Carbon Tetrachloride
Concen: 19.303 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.8	115.2
121	30.1	24.2	36.2





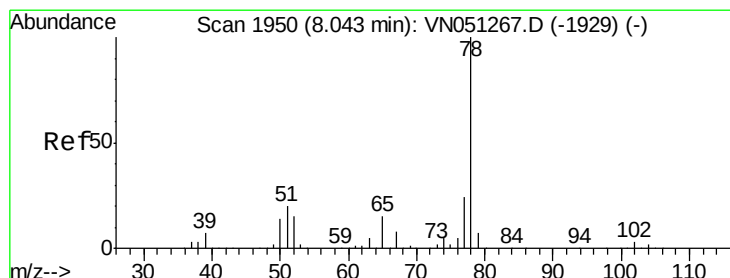
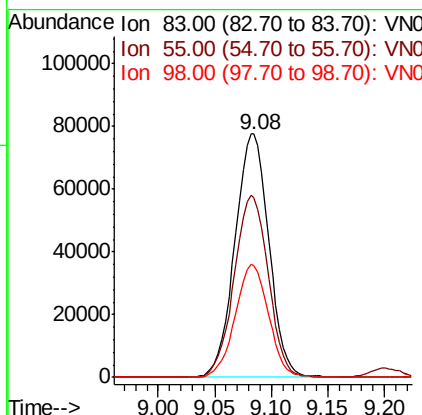
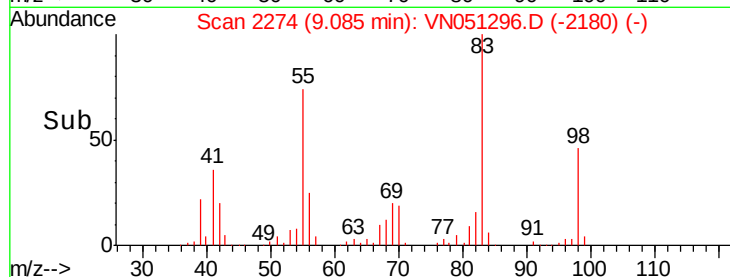
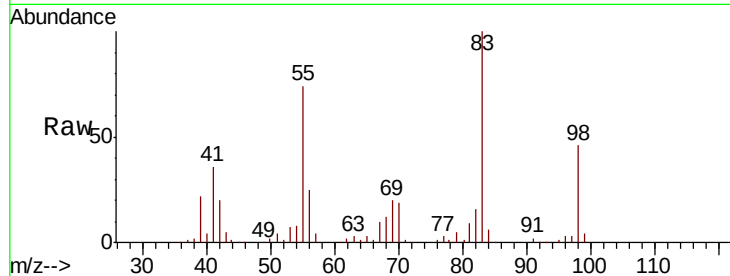
#39
Methylcyclohexane
Concen: 18.715 ug/l
RT: 9.08 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.6	58.7	88.1
98	45.8	37.3	55.9

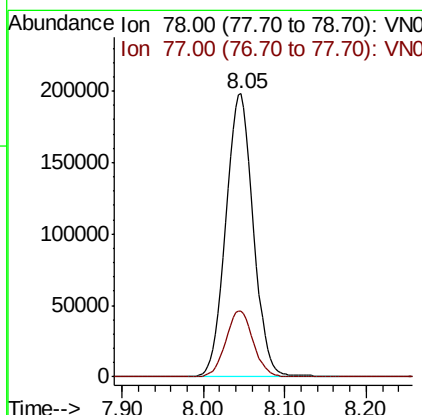
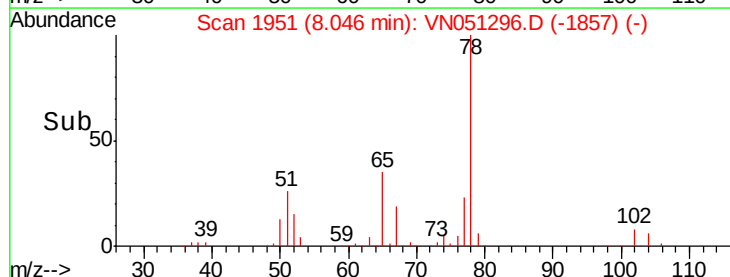
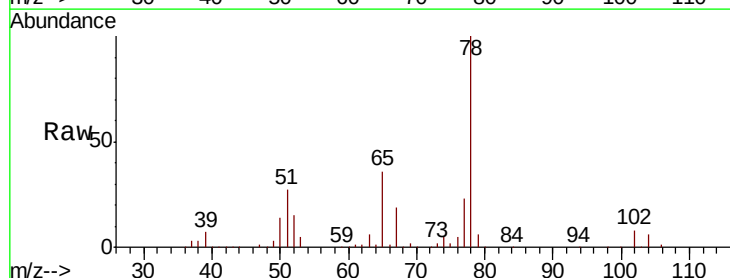
Manual Integrations
APPROVED

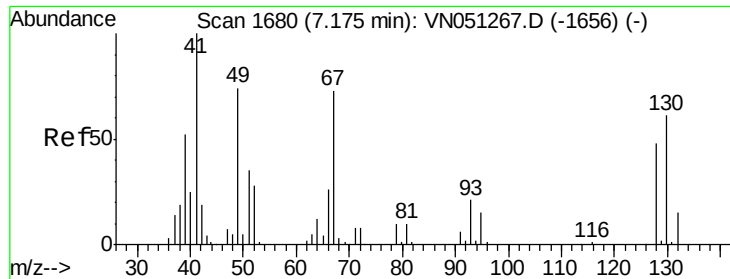
MMDadoda
9/19/2018 2:57:08 PM



#40
Benzene
Concen: 19.809 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4





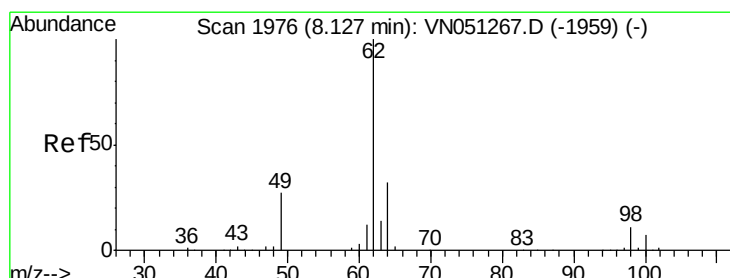
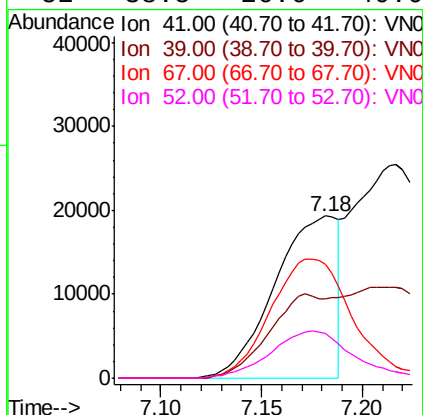
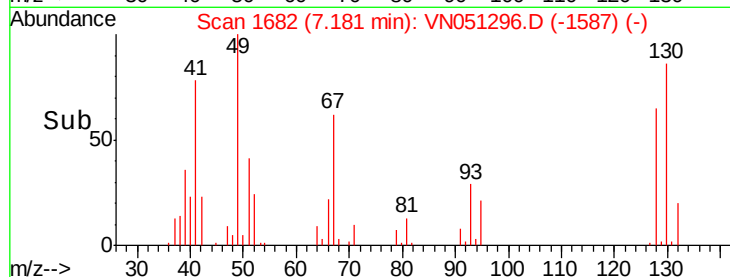
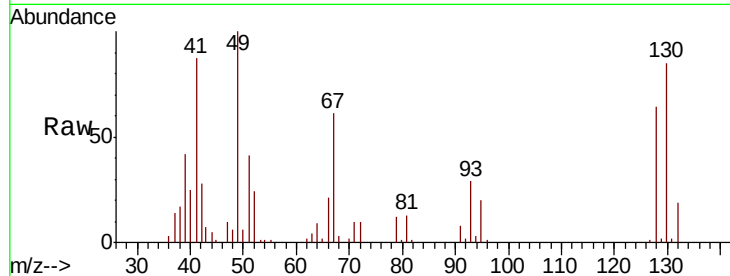
#41
Methacrylonitrile
Concen: 19.940 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD02

Tgt Ion: 41 Resp: 41982
Ion Ratio Lower Upper
41 100
39 44.9 47.8 71.6#
67 95.8 69.8 104.6
52 38.5 26.6 40.0

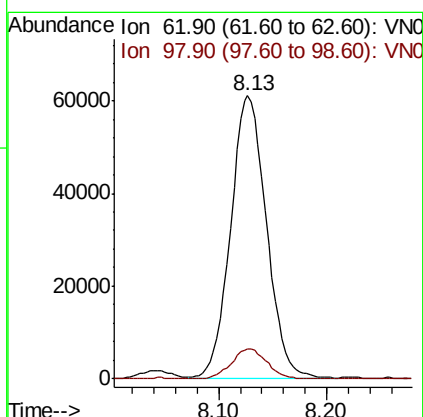
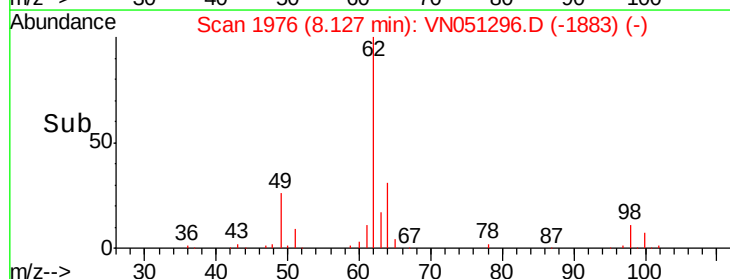
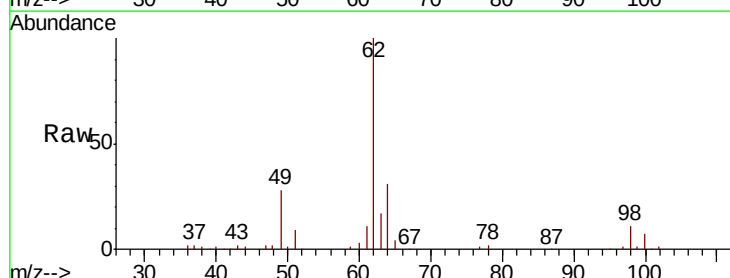
Manual Integrations
APPROVED

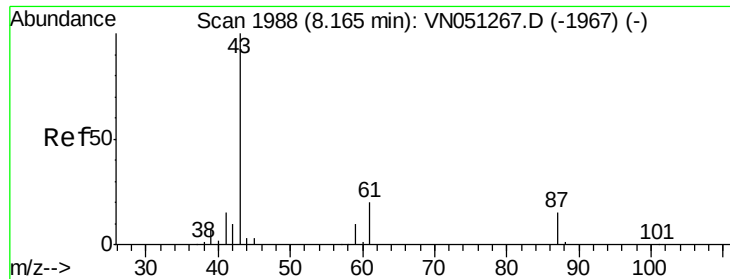
MMDadoda
9/19/2018 2:57:08 PM



#42
1,2-Dichloroethane
Concen: 20.158 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Tgt Ion: 62 Resp: 140749
Ion Ratio Lower Upper
62 100
98 10.5 0.0 21.0





#43

Isopropyl Acetate

Concen: 21.398 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

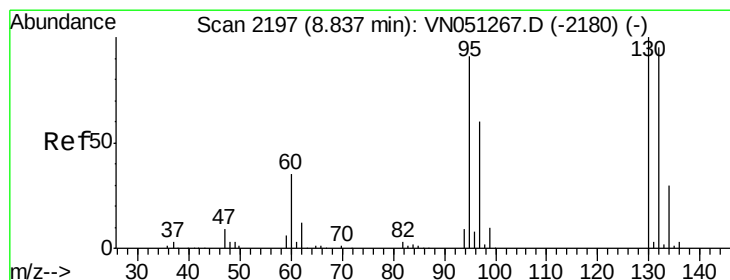
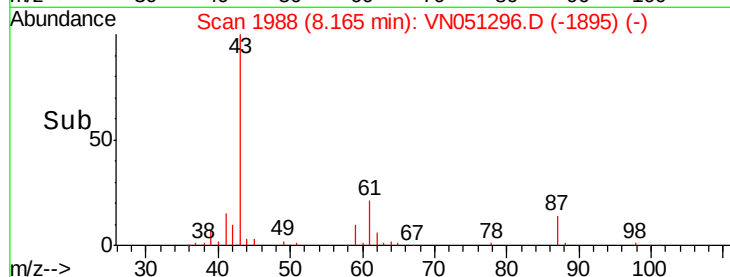
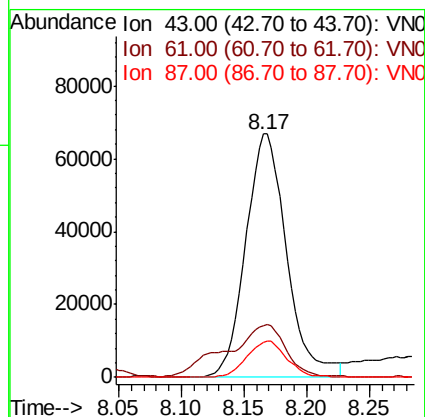
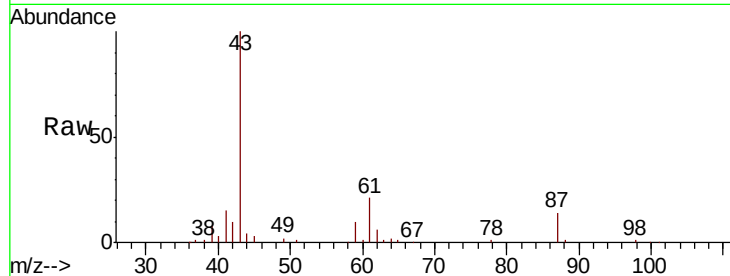
ClientSampleId :

VN0918WBSD02

Tgt Ion:	43	Resp:	151914
Ion	Ratio	Lower	Upper
43	100		
61	30.4	17.4	26.2#
87	14.6	12.2	18.4

Manual Integrations
APPROVED

MMDadoda
9/19/2018 2:57:08 PM



#44

Trichloroethene

Concen: 19.260 ug/l

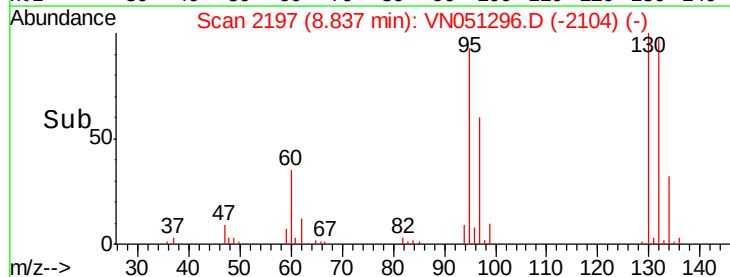
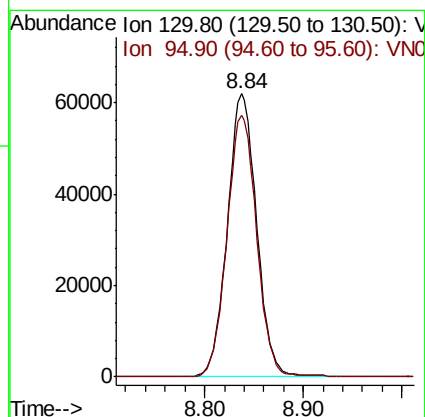
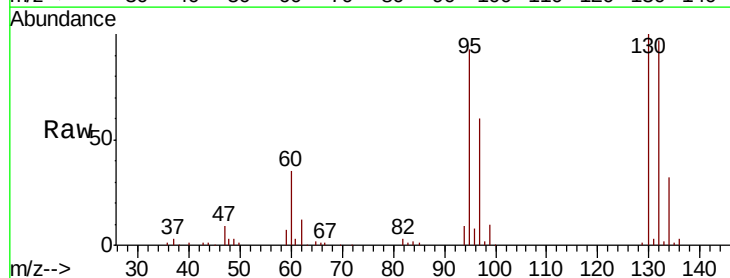
RT: 8.84 min Scan# 2197

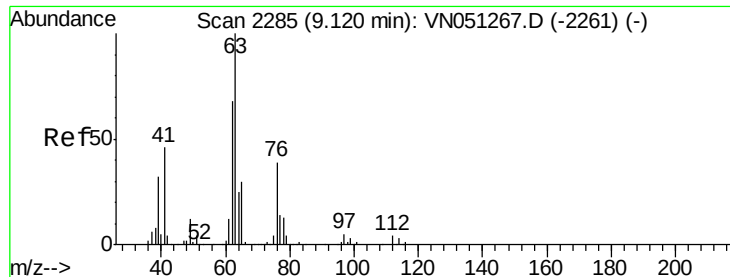
Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Tgt Ion:	130	Resp:	128570
Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	181.8





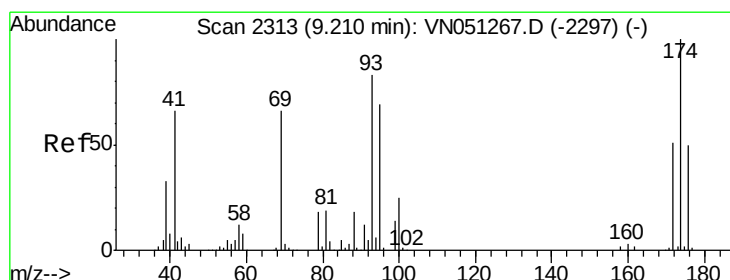
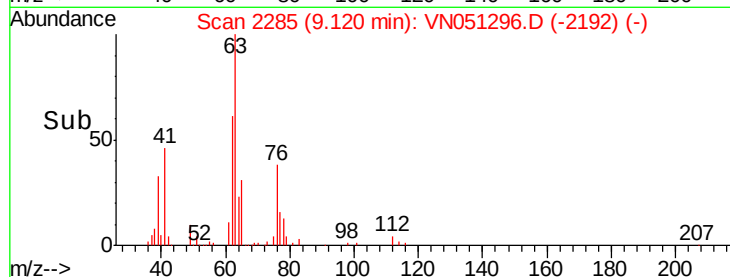
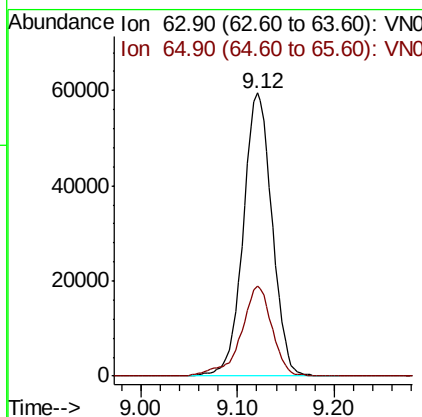
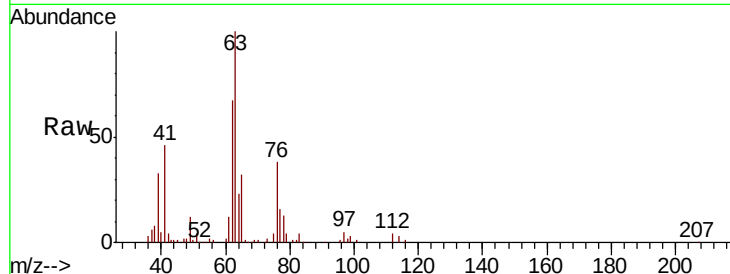
#45
 1,2-Dichloropropane
 Concen: 20.444 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD02

Tgt Ion: 63 Resp: 123081
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.2 36.4

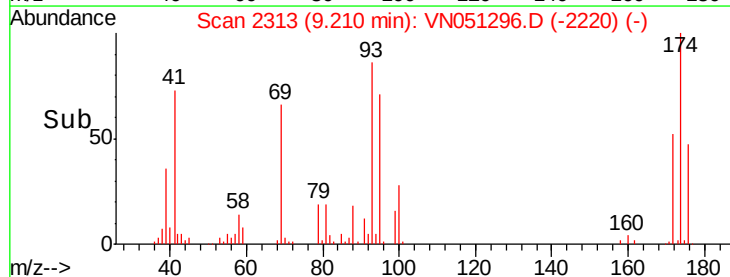
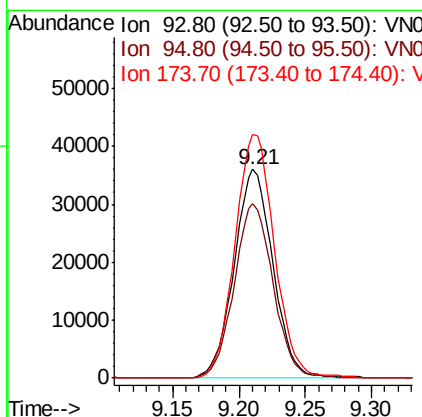
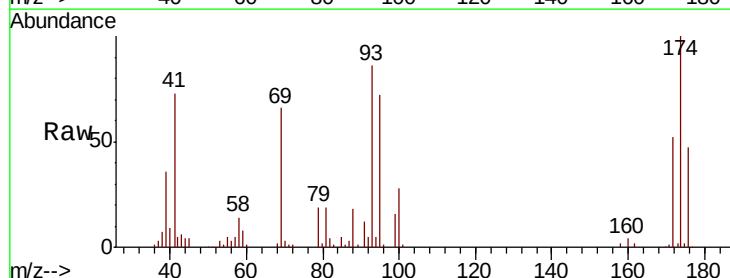
Manual Integrations
 APPROVED

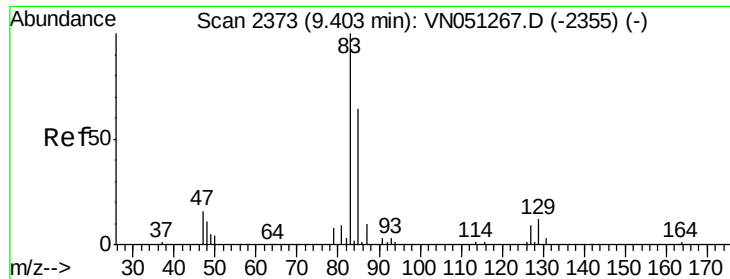
MMDadoda
 9/19/2018 2:57:08 PM



#46
 Dibromomethane
 Concen: 20.005 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Tgt Ion: 93 Resp: 73366
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.6 100.0
 174 118.9 95.6 143.4





#47

Bromodichloromethane

Concen: 19.962 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBSD02

Tgt Ion: 83 Resp: 156033

Ion Ratio Lower Upper

83 100

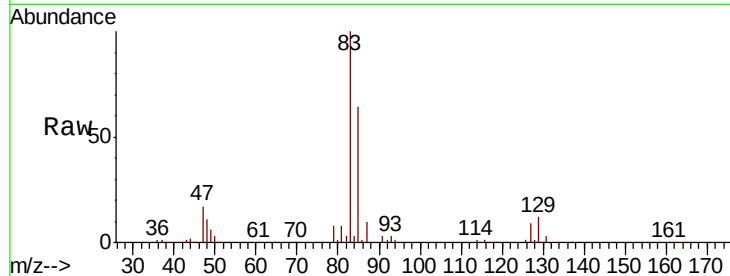
85 64.0 51.0 76.4

127 8.9 7.1 10.7

Manual Integrations
APPROVED

MMDadoda

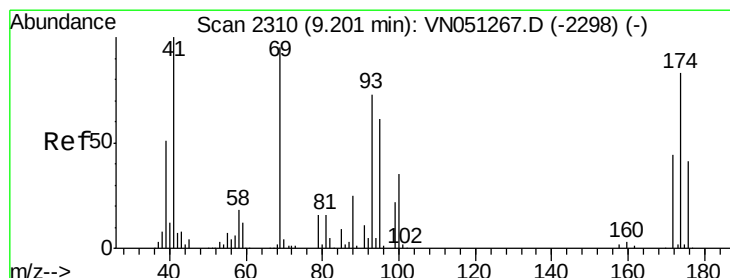
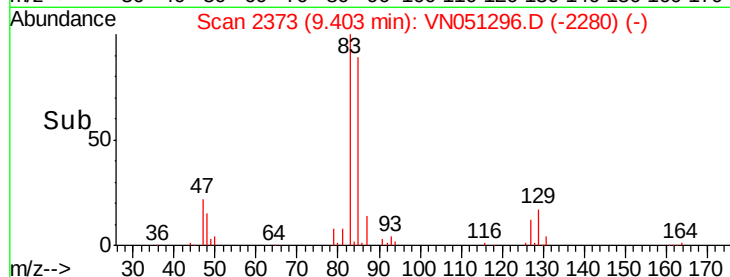
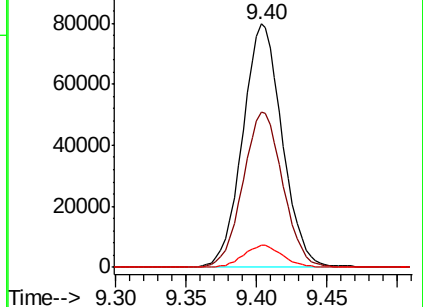
9/19/2018 2:57:08 PM



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 20.753 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

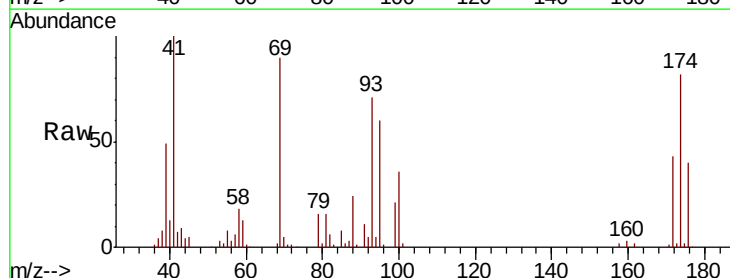
Tgt Ion: 41 Resp: 70956

Ion Ratio Lower Upper

41 100

69 95.6 78.9 118.3

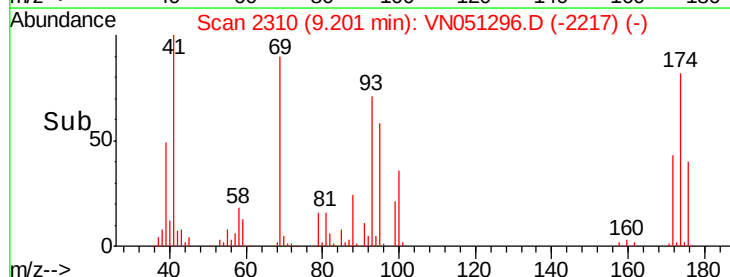
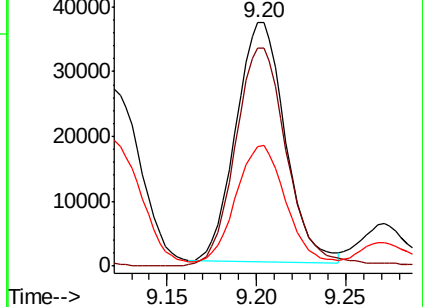
39 51.7 42.2 63.2

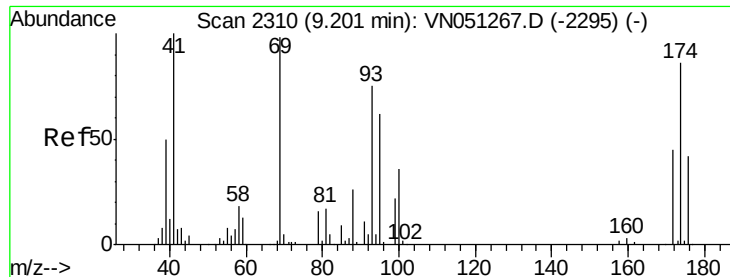


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





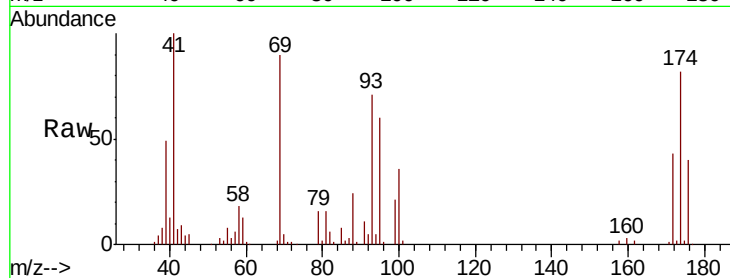
#49
 1,4-Dioxane
 Concen: 391.394 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD02

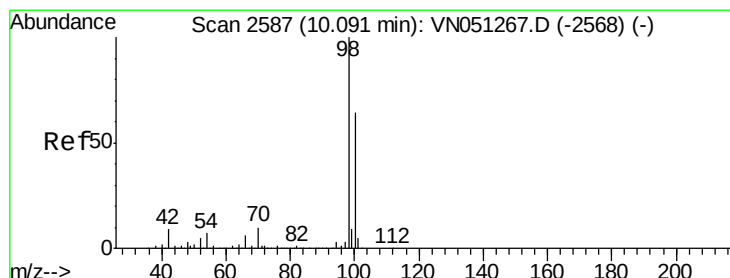
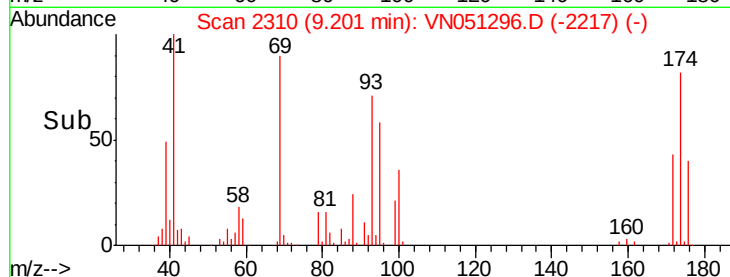
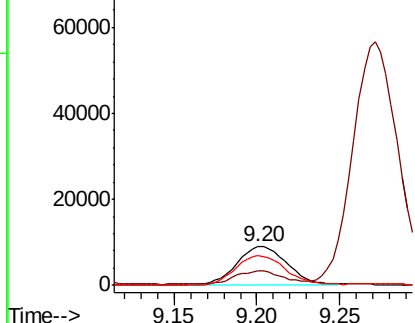
Tgt Ion	Ratio	Lower	Upper
88	100		
43	29.4	25.3	37.9
58	75.6	54.9	82.3

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 2:57:08 PM

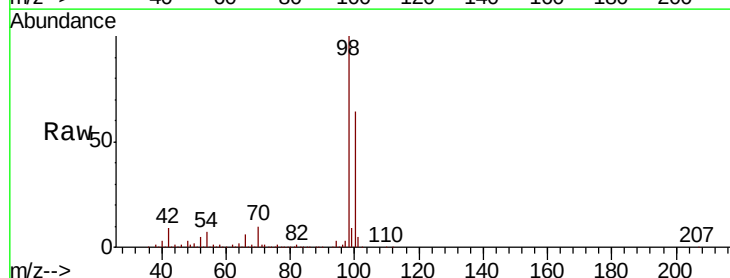


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

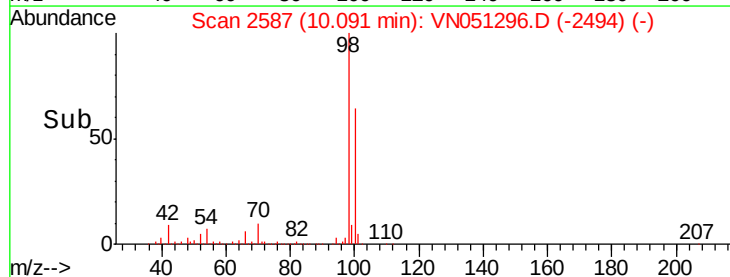
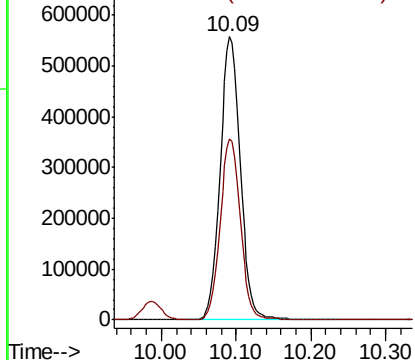


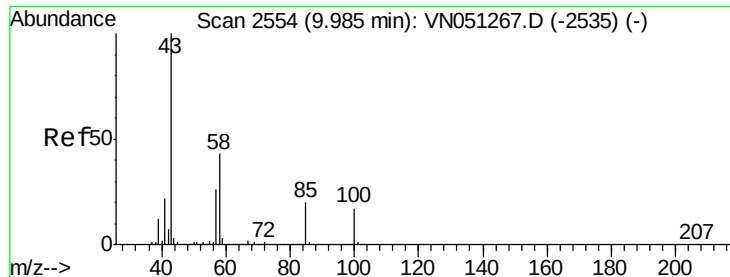
#50
 Toluene-d8
 Concen: 49.094 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.6	77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





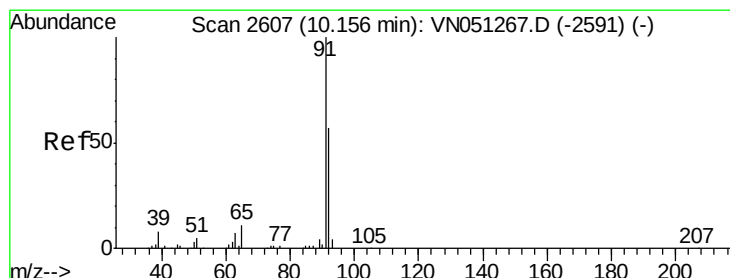
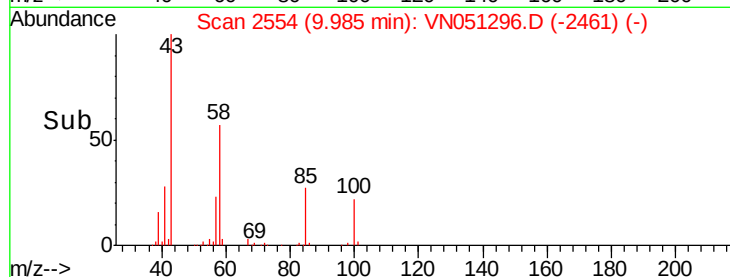
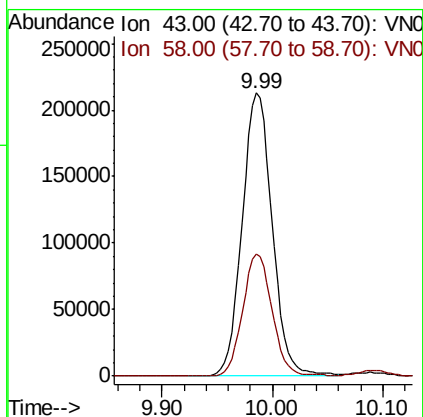
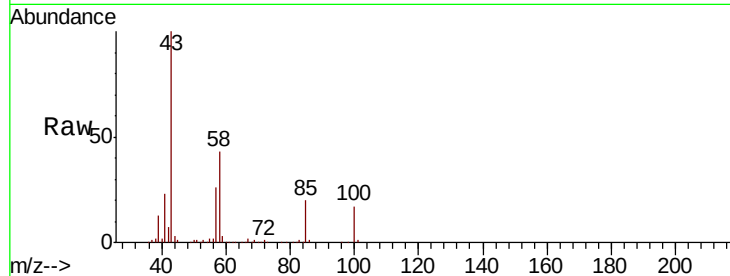
#51
 4-Methyl-2-Pentanone
 Concen: 109.256 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD02

Tgt Ion: 43 Resp: 400231
 Ion Ratio Lower Upper
 43 100
 58 42.3 33.8 50.6

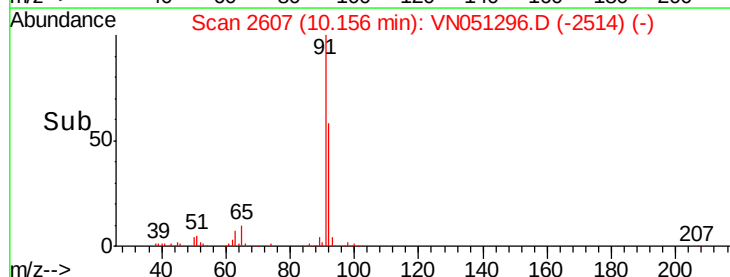
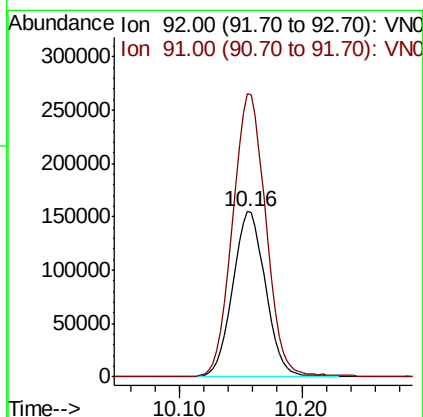
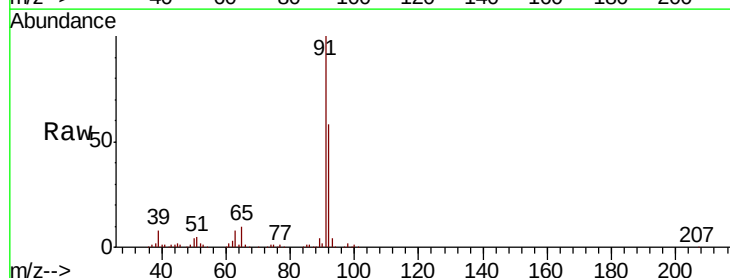
Manual Integrations
 APPROVED

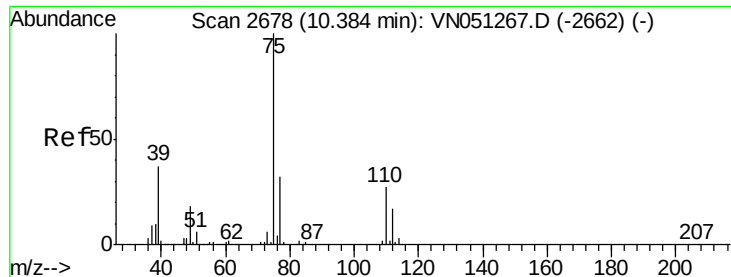
MMDadoda
 9/19/2018 2:57:08 PM



#52
 Toluene
 Concen: 20.399 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Tgt Ion: 92 Resp: 289971
 Ion Ratio Lower Upper
 92 100
 91 173.8 139.2 208.8





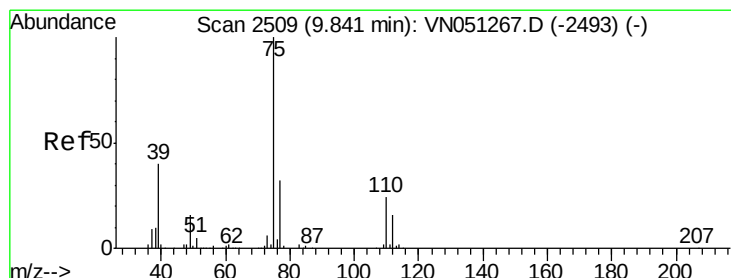
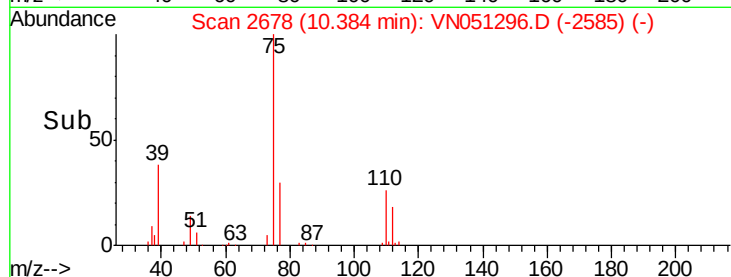
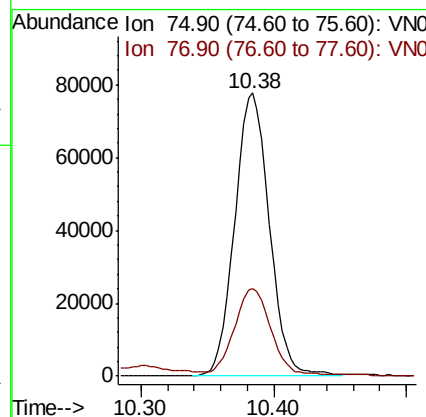
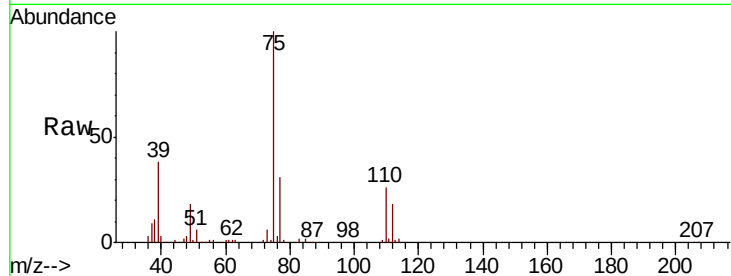
#53
t-1,3-Dichloropropene
Concen: 19.251 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Instrument :
MSVOA_N
ClientSampled :
VN0918WBSD02

Tgt Ion: 75 Resp: 141398
Ion Ratio Lower Upper
75 100
77 30.3 25.5 38.3

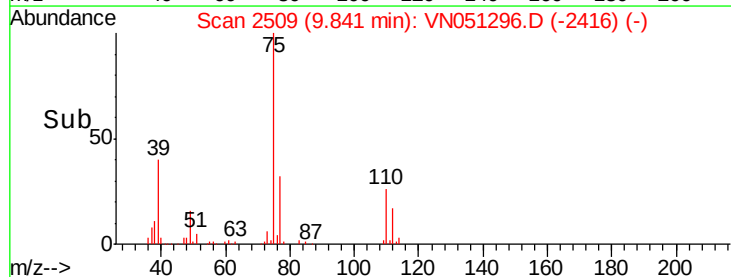
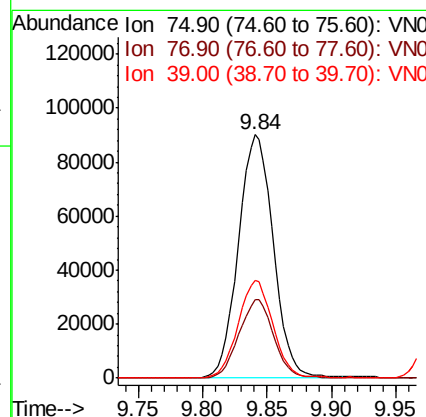
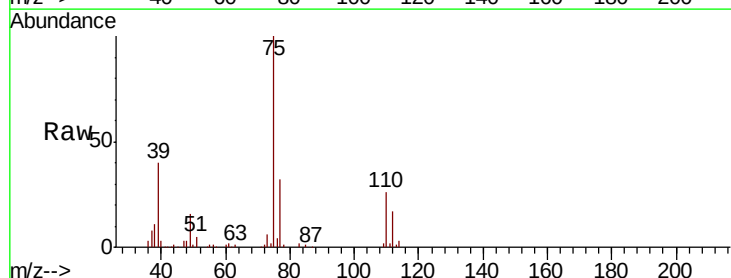
Manual Integrations
APPROVED

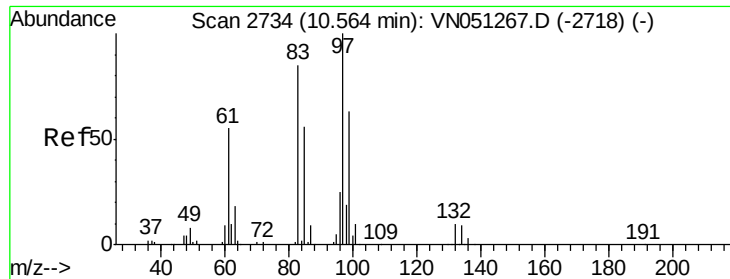
MMDadoda
9/19/2018 2:57:08 PM



#54
cis-1,3-Dichloropropene
Concen: 19.434 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Tgt Ion: 75 Resp: 170491
Ion Ratio Lower Upper
75 100
77 32.4 25.8 38.8
39 40.1 31.8 47.8





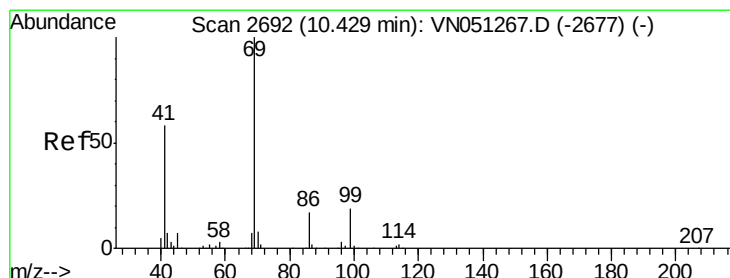
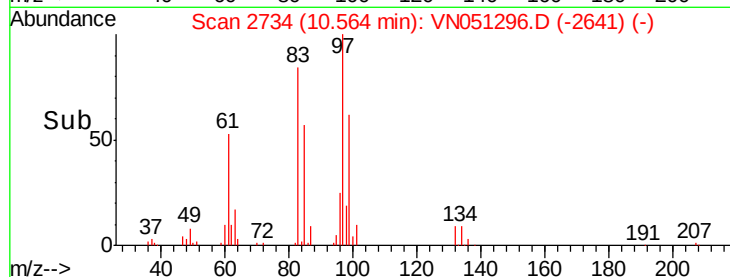
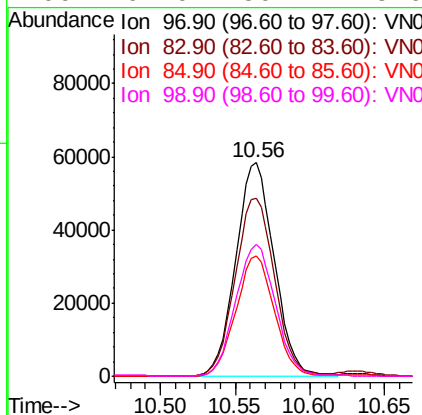
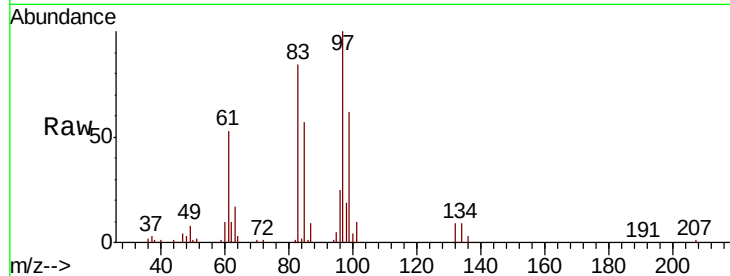
#55
 1,1,2-Trichloroethane
 Concen: 20.567 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.6	67.7	101.5
85	56.5	44.5	66.7
99	62.0	50.4	75.6

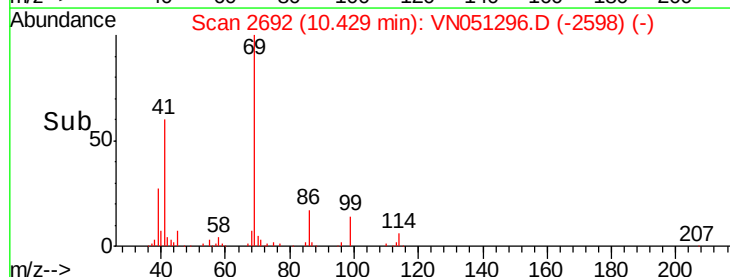
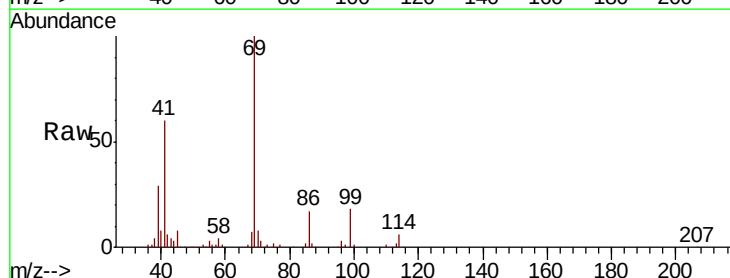
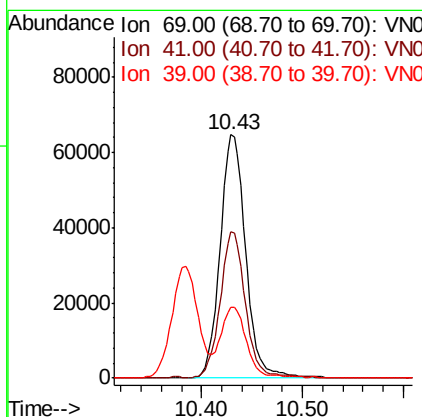
Manual Integrations
 APPROVED

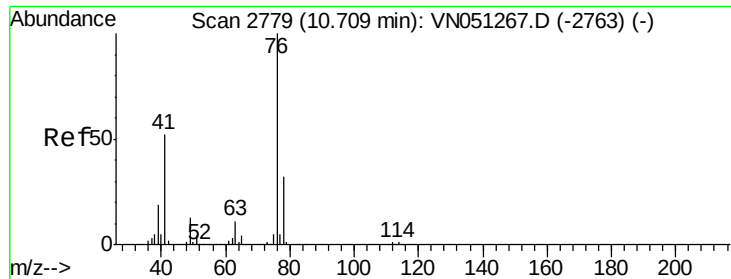
MMDadoda
 9/19/2018 2:57:08 PM



#56
 Ethyl methacrylate
 Concen: 19.114 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Tgt Ion	Ratio	Lower	Upper
69	100		
41	58.7	47.4	71.0
39	28.4	23.7	35.5





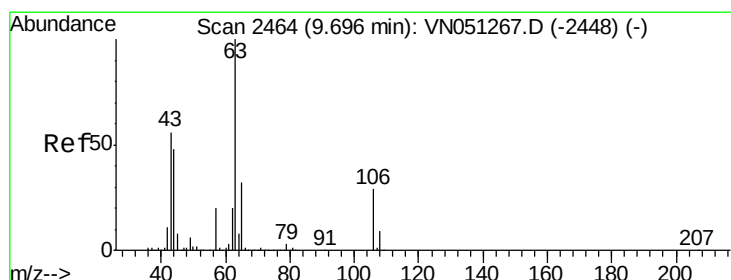
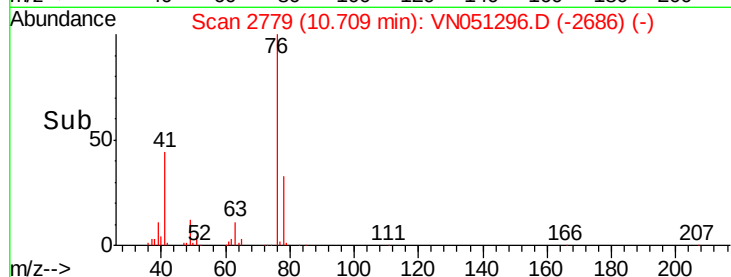
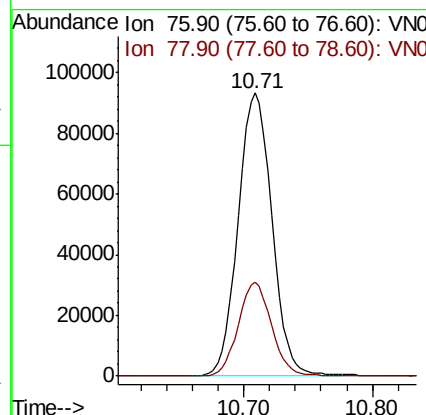
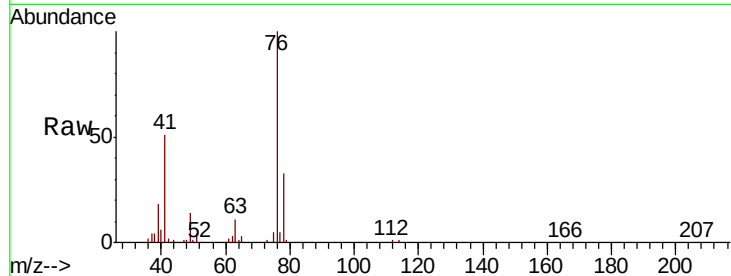
#57
 1,3-Dichloropropane
 Concen: 20.583 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Instrument :
 MSVOA_N
 ClientSampled :
 VN0918WBSD02

Tgt Ion: 76 Resp: 170421
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.6

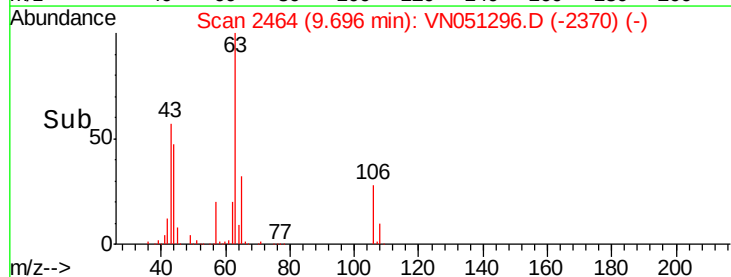
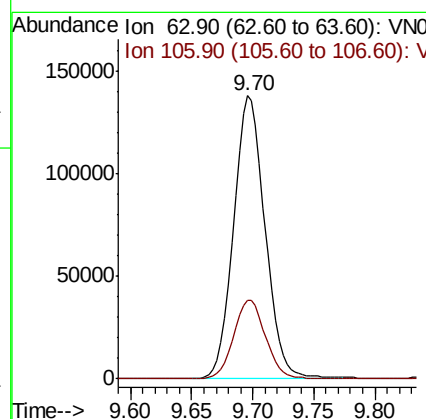
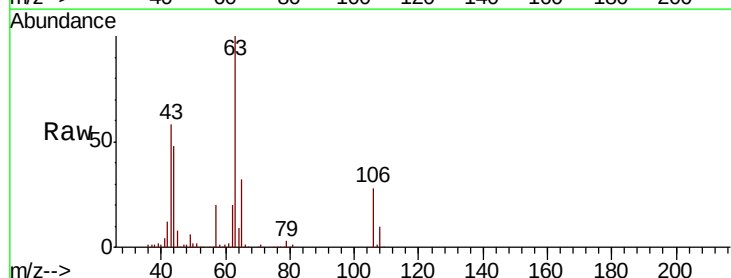
Manual Integrations
 APPROVED

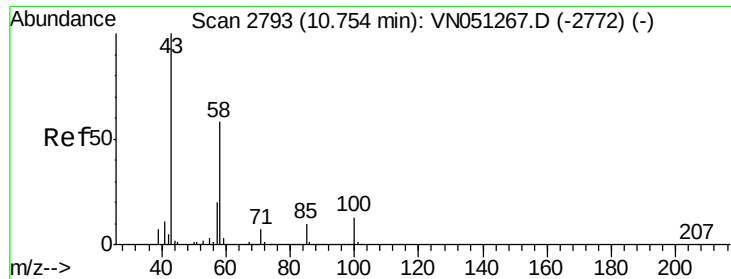
MMDadoda
 9/19/2018 2:57:08 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.071 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Tgt Ion: 63 Resp: 248637
 Ion Ratio Lower Upper
 63 100
 106 28.2 23.4 35.2





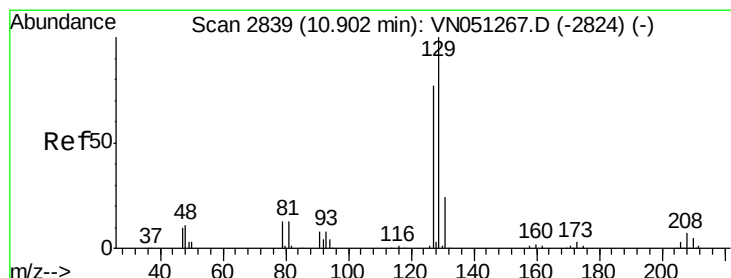
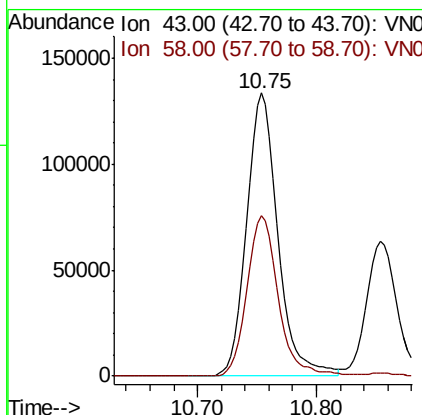
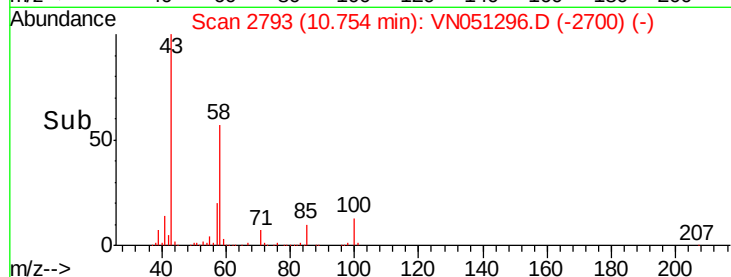
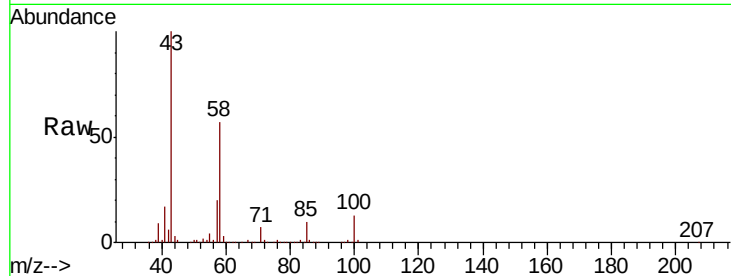
#59
2-Hexanone
Concen: 100.533 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD02

Tgt Ion: 43 Resp: 242477
Ion Ratio Lower Upper
43 100
58 57.1 28.9 86.8

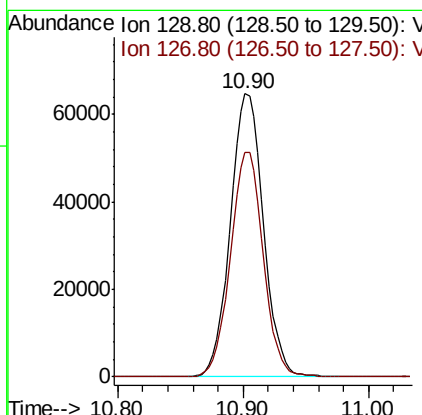
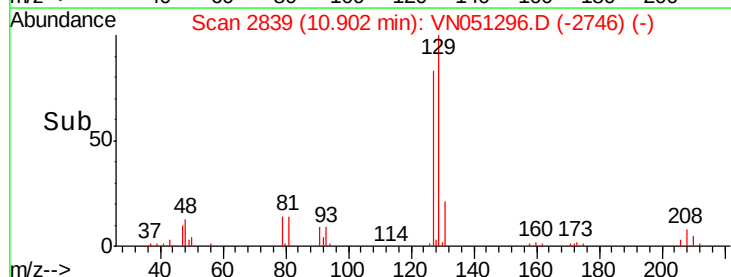
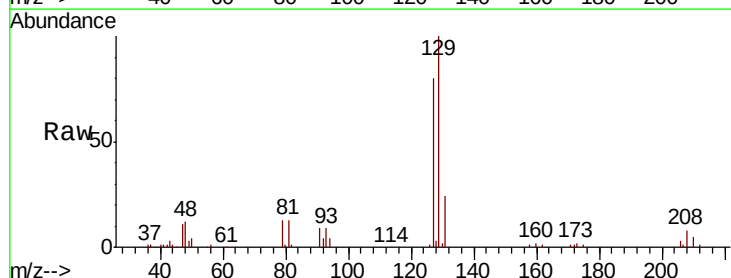
Manual Integrations
APPROVED

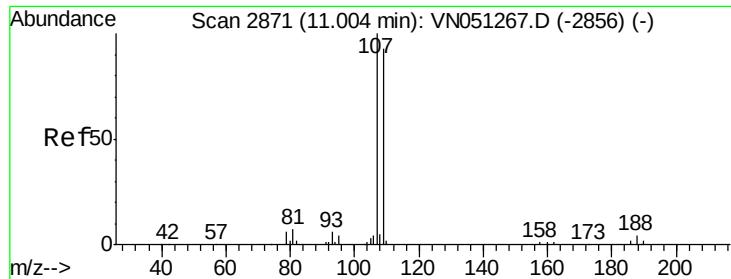
MMDadoda
9/19/2018 2:57:08 PM



#60
Dibromochloromethane
Concen: 19.847 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Tgt Ion: 129 Resp: 118721
Ion Ratio Lower Upper
129 100
127 78.5 38.3 114.9





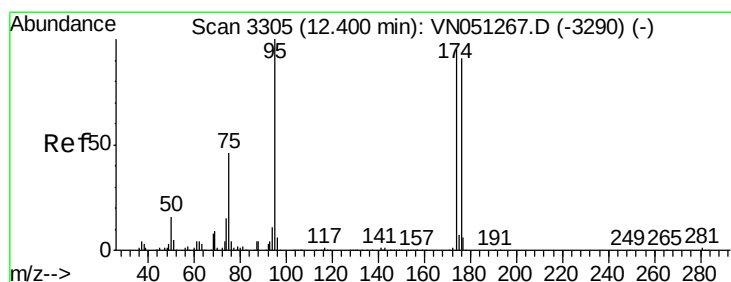
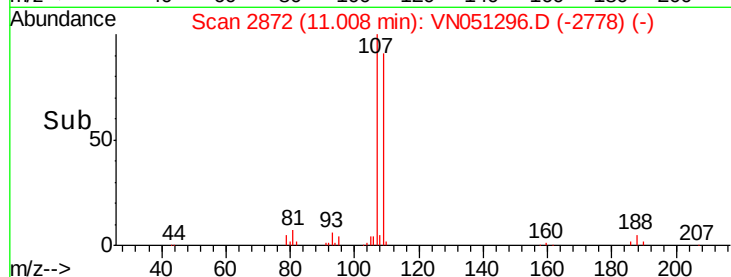
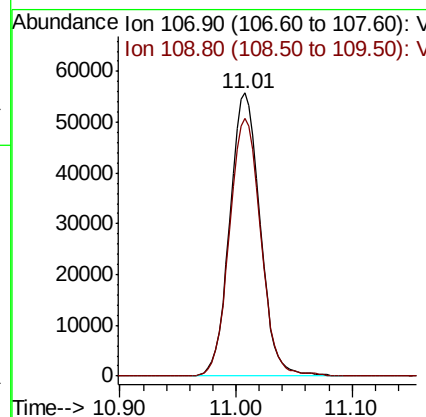
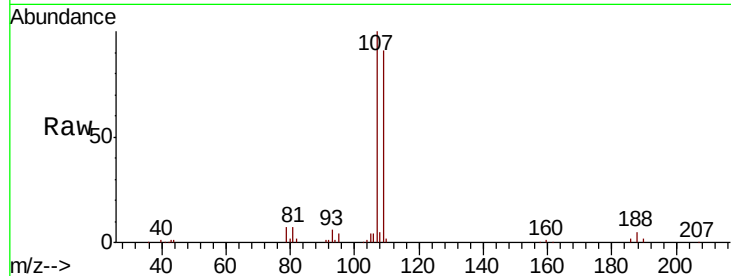
#61
 1,2-Dibromoethane
 Concen: 20.554 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD02

Tgt Ion: 107 Resp: 100415
 Ion Ratio Lower Upper
 107 100
 109 94.2 74.7 112.1

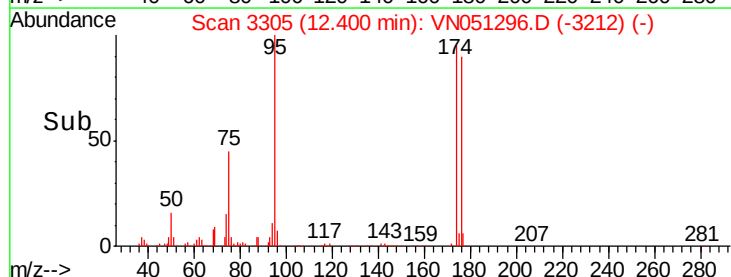
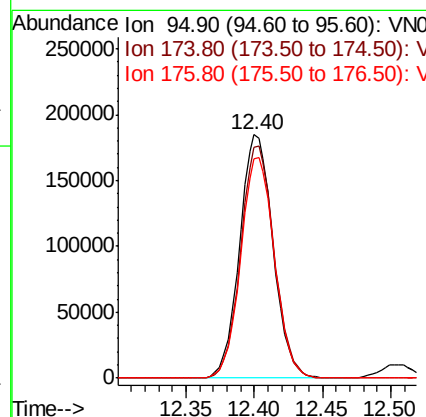
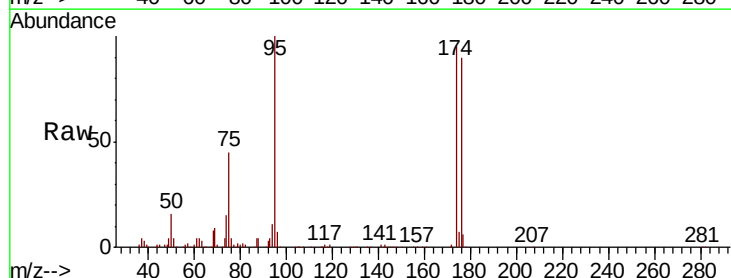
Manual Integrations
 APPROVED

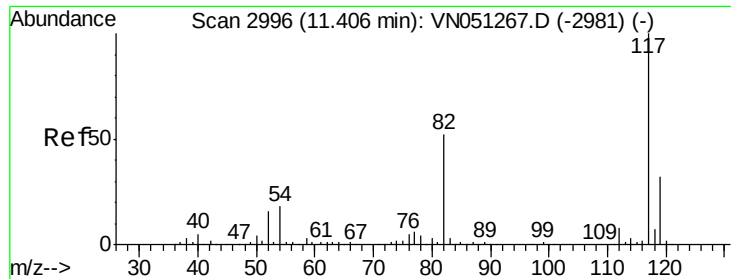
MMDadoda
 9/19/2018 2:57:08 PM



#62
 4-Bromofluorobenzene
 Concen: 46.474 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Tgt Ion: 95 Resp: 313050
 Ion Ratio Lower Upper
 95 100
 174 95.8 0.0 189.6
 176 91.7 0.0 182.6





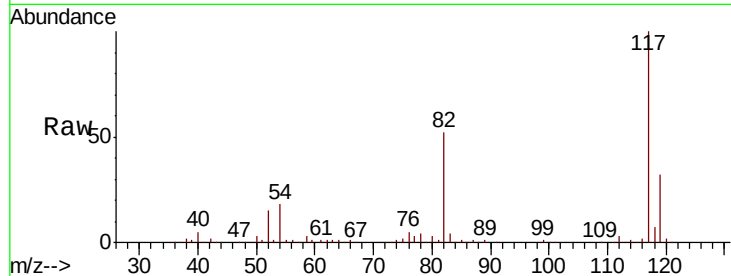
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.6	41.8	62.8
119	32.2	25.6	38.4

Manual Integrations
APPROVED

MMDadoda
9/19/2018 2:57:08 PM

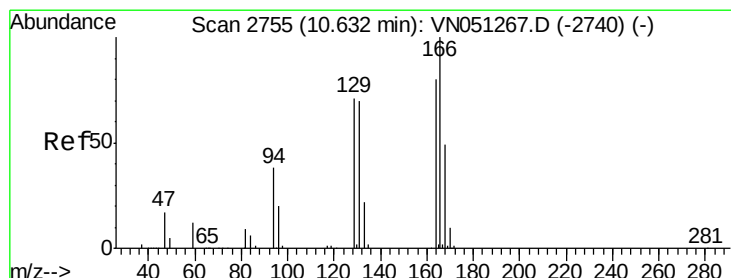
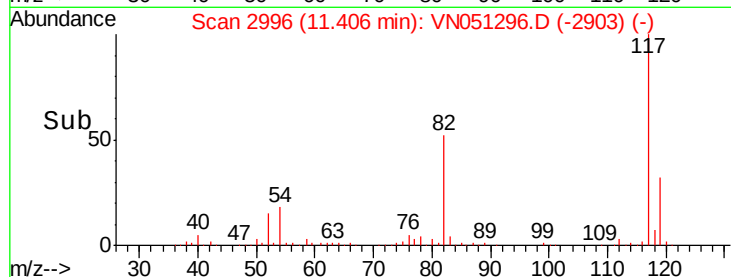
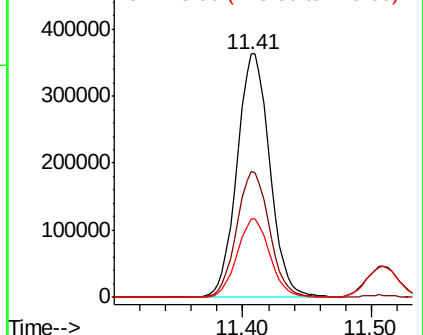


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.538 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	100.0	150.0
129	89.6	70.8	106.2
131	90.7	69.6	104.4

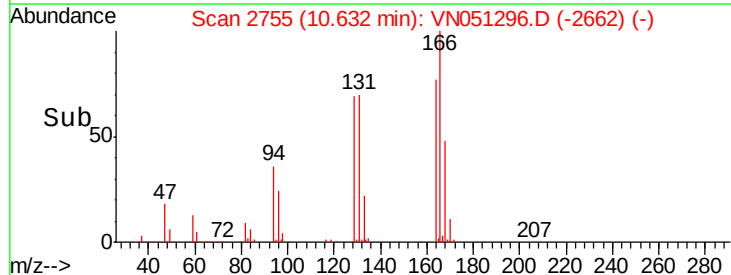
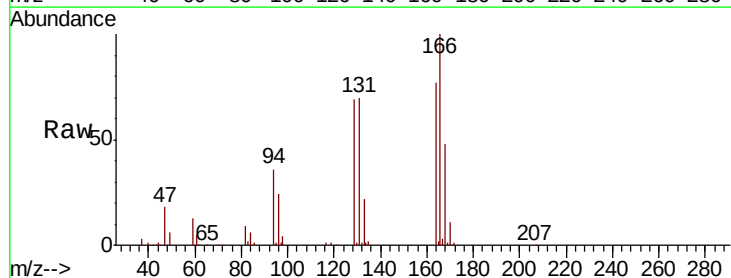
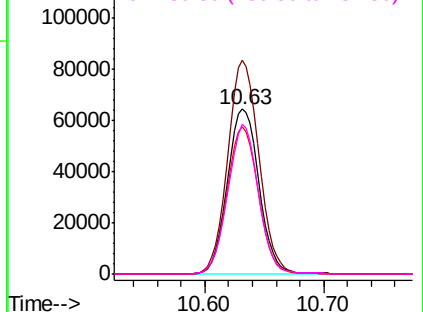
Abundance

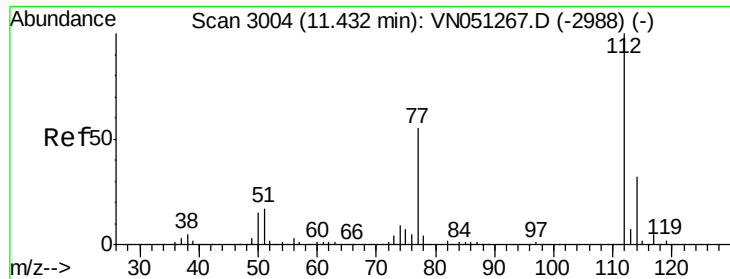
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





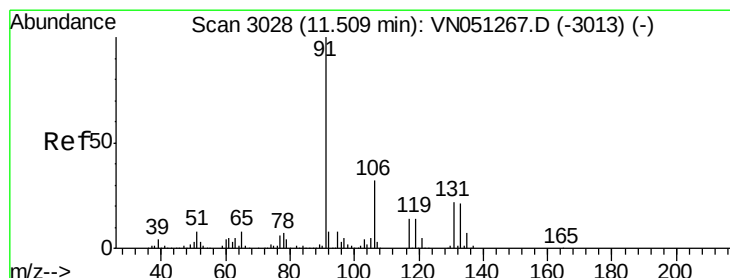
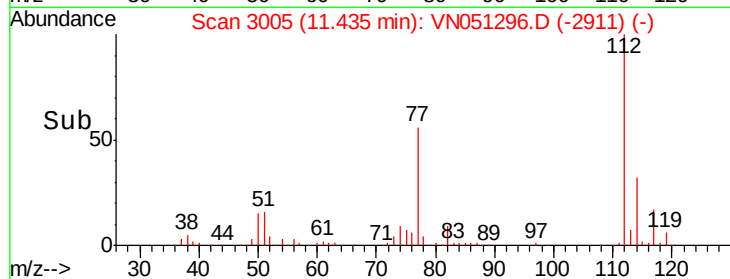
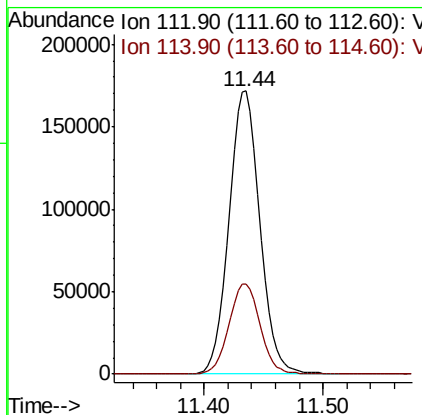
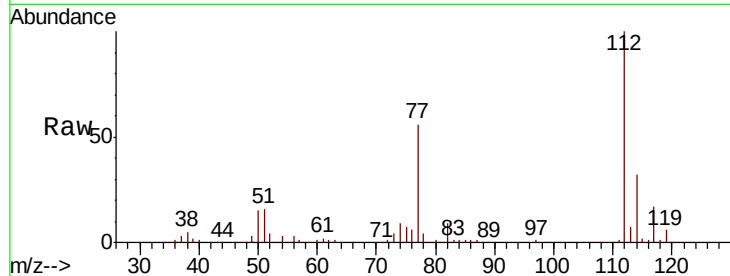
#65
Chlorobenzene
Concen: 19.403 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD02

Tgt Ion:112 Resp: 308511
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9

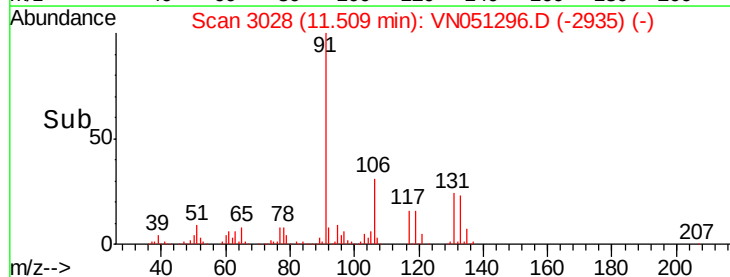
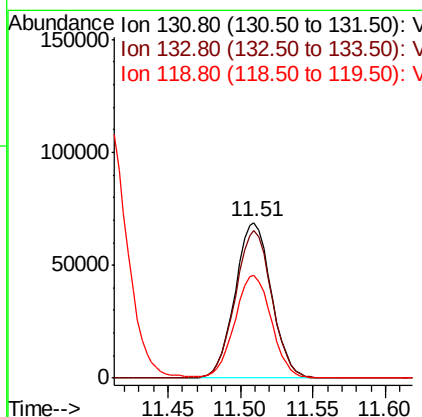
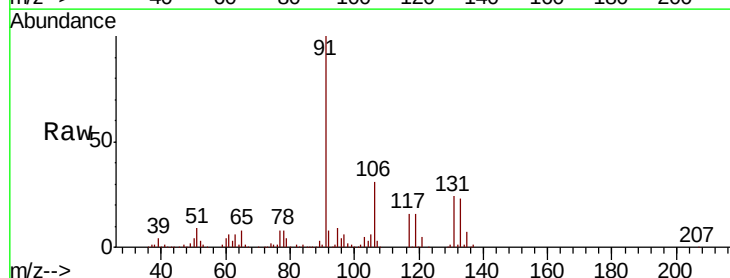
Manual Integrations
APPROVED

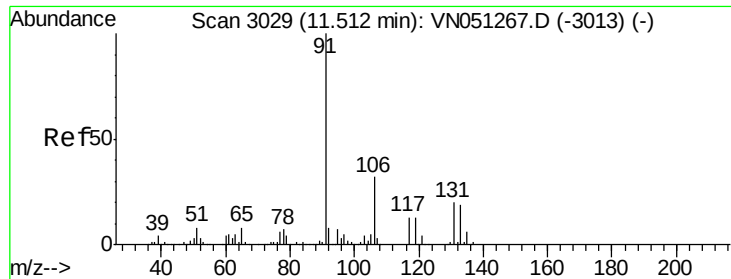
MMDadoda
9/19/2018 2:57:08 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.920 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Tgt Ion:131 Resp: 119914
Ion Ratio Lower Upper
131 100
133 95.6 47.9 143.7
119 66.7 32.6 98.0





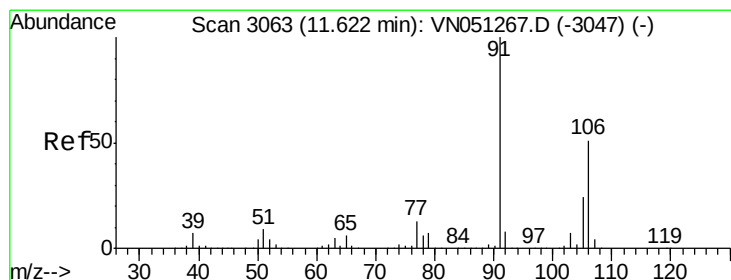
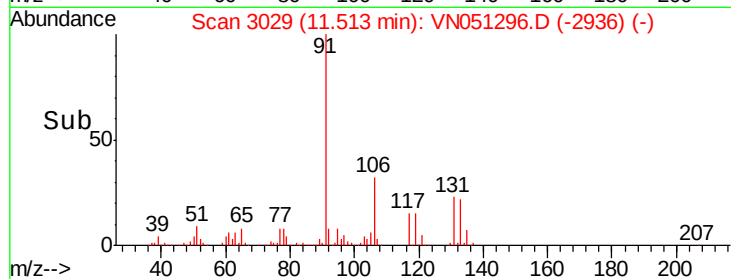
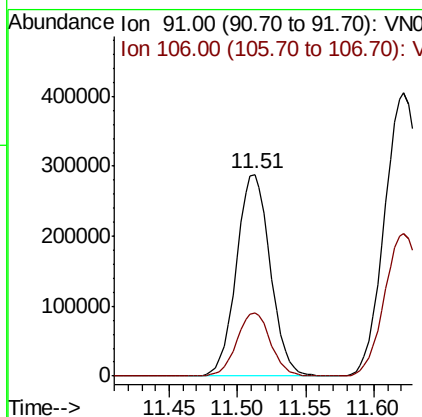
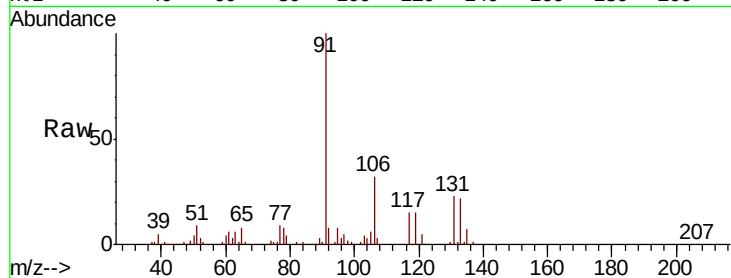
#67
Ethyl Benzene
Concen: 19.636 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Instrument :
MSVOA_N
ClientSampled :
VN0918WBSD02

Tgt Ion: 91 Resp: 497569
Ion Ratio Lower Upper
91 100
106 31.5 25.7 38.5

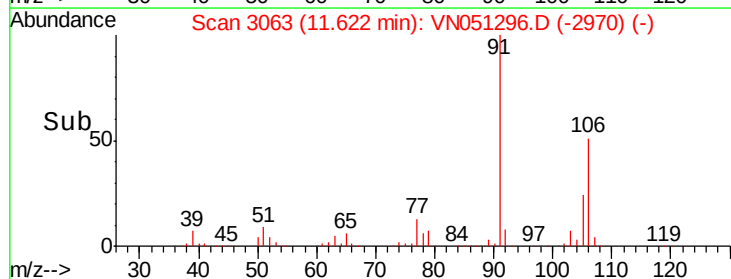
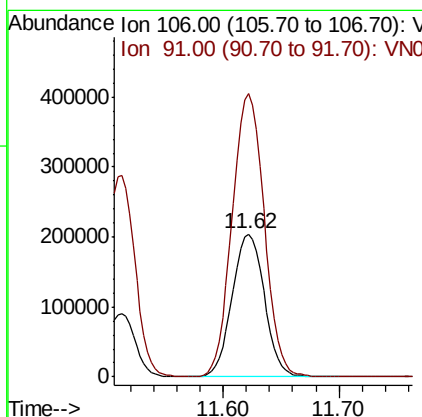
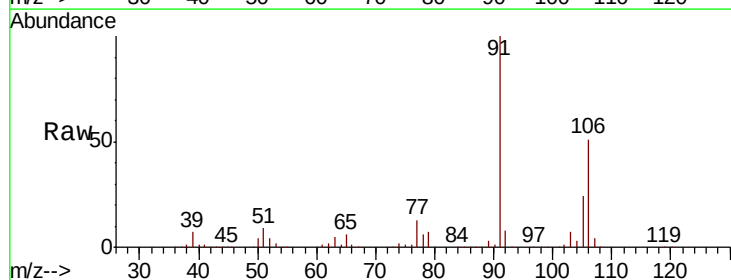
Manual Integrations
APPROVED

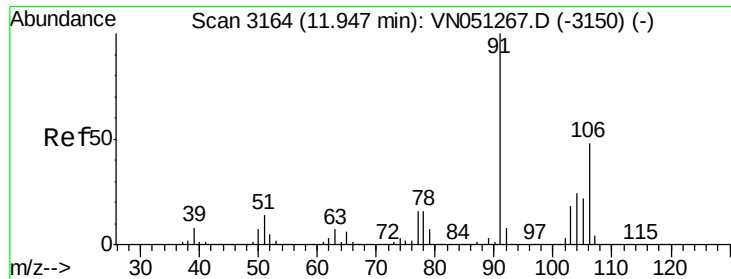
MMDadoda
9/19/2018 2:57:08 PM



#68
m/p-Xylenes
Concen: 40.052 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Tgt Ion: 106 Resp: 394253
Ion Ratio Lower Upper
106 100
91 197.6 158.6 238.0





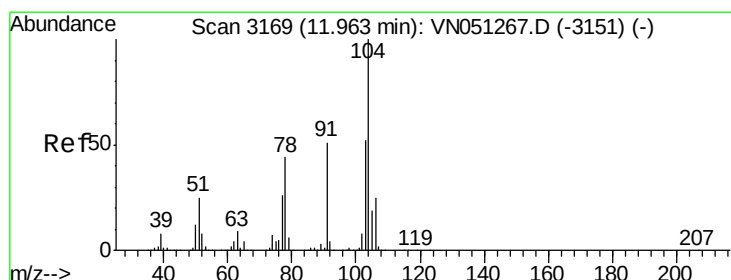
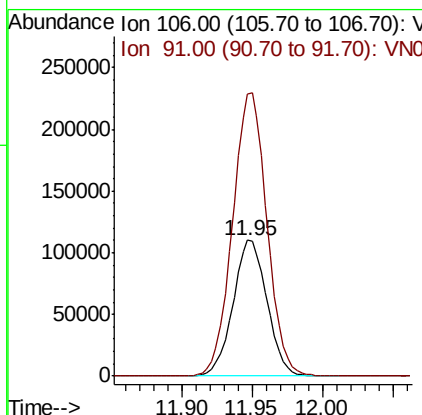
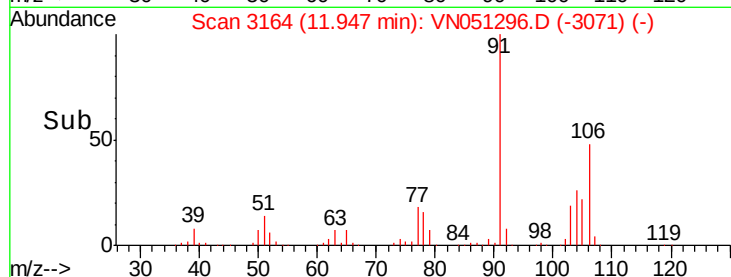
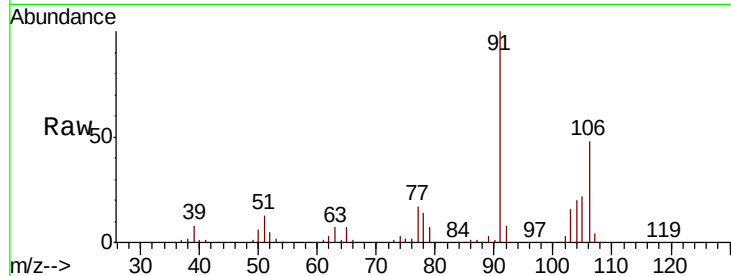
#69
o-Xylene
Concen: 19.827 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Instrument :
MSVOA_N
ClientSampled :
VN0918WBSD02

Tgt Ion:106 Resp: 186000
Ion Ratio Lower Upper
106 100
91 210.7 104.1 312.3

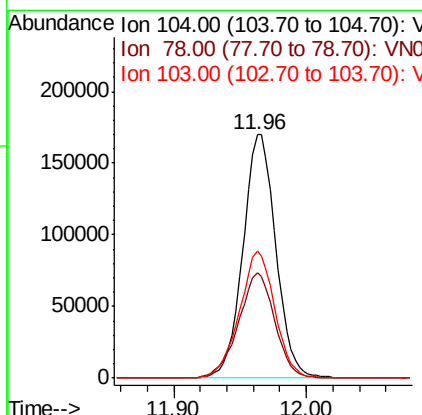
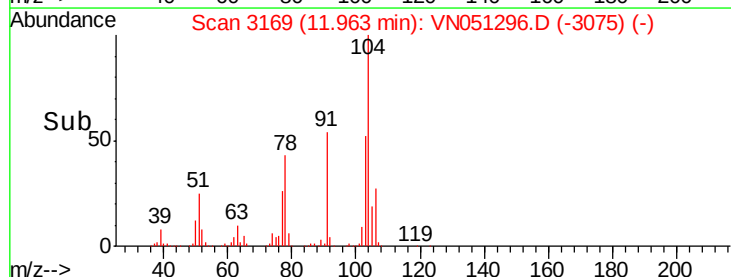
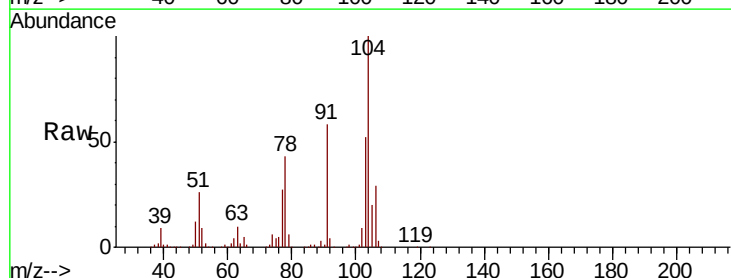
Manual Integrations
APPROVED

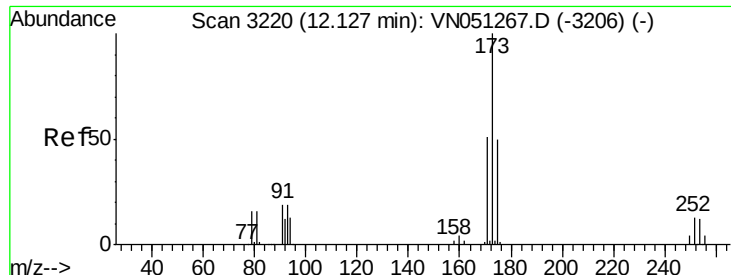
MMDadoda
9/19/2018 2:57:08 PM



#70
Styrene
Concen: 18.494 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Tgt Ion:104 Resp: 293524
Ion Ratio Lower Upper
104 100
78 47.3 38.1 57.1
103 56.1 44.8 67.2





#71

Bromoform

Concen: 20.051 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBSD02

Tgt Ion:173 Resp: 80043

Ion Ratio Lower Upper

173 100

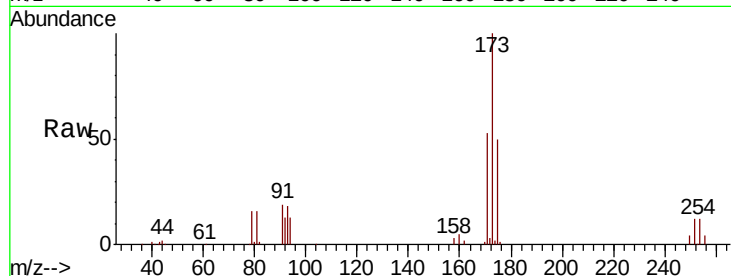
175 48.8 24.4 73.2

254 0.0 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda

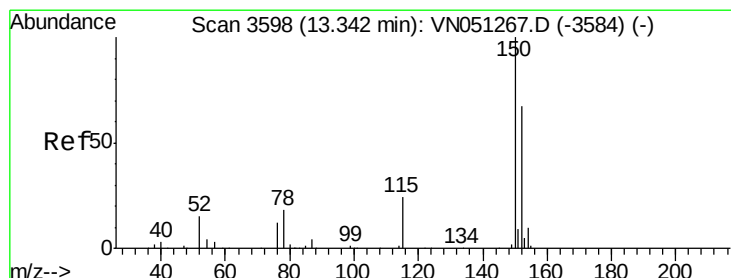
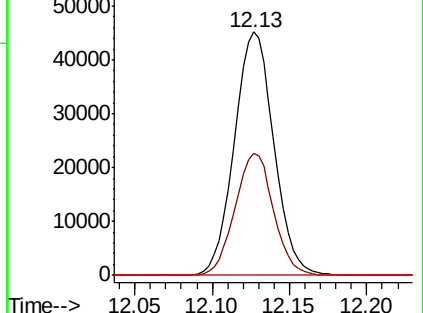
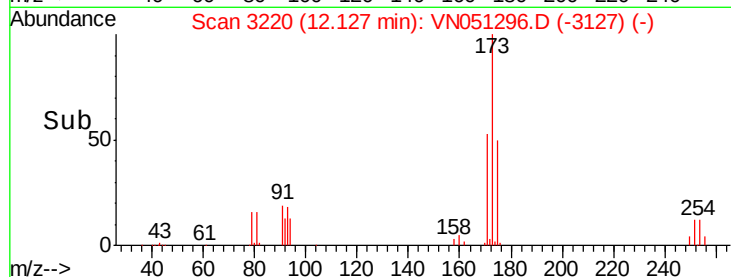
9/19/2018 2:57:08 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

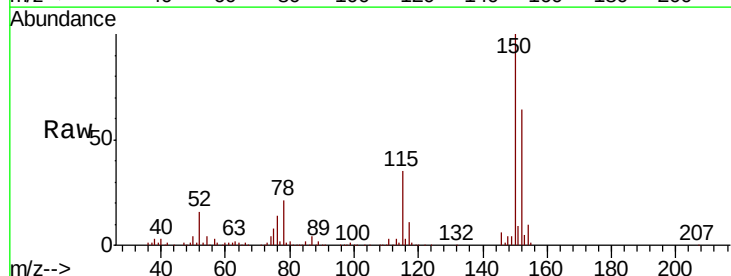
Tgt Ion:152 Resp: 296280

Ion Ratio Lower Upper

152 100

115 55.1 27.1 81.2

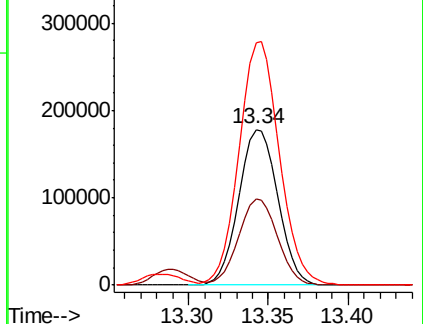
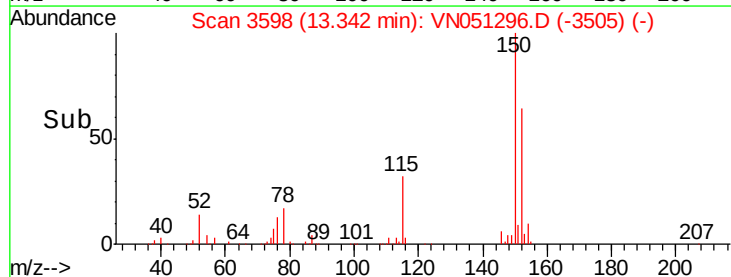
150 161.9 0.0 349.0

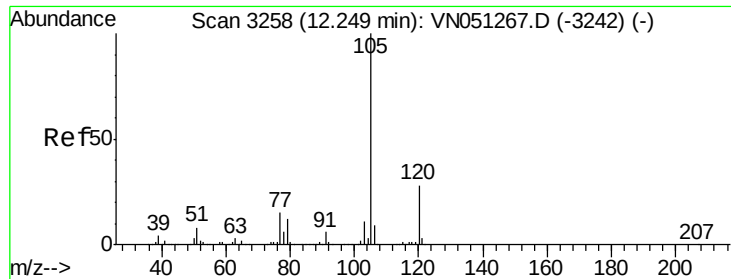


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





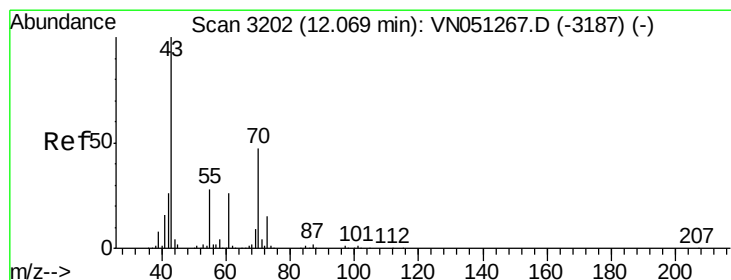
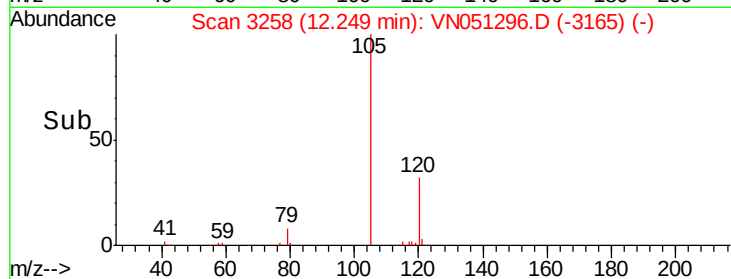
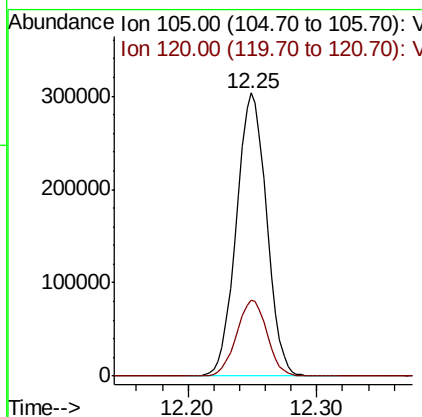
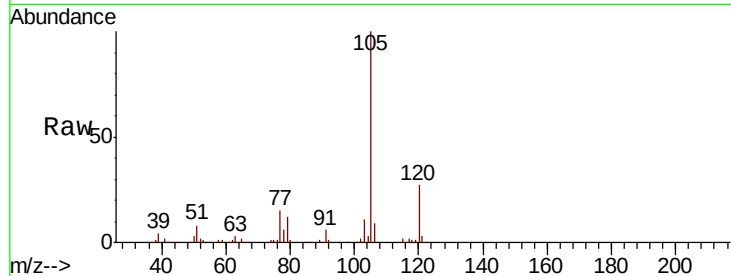
#73
Isopropylbenzene
Concen: 19.722 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.8	41.4

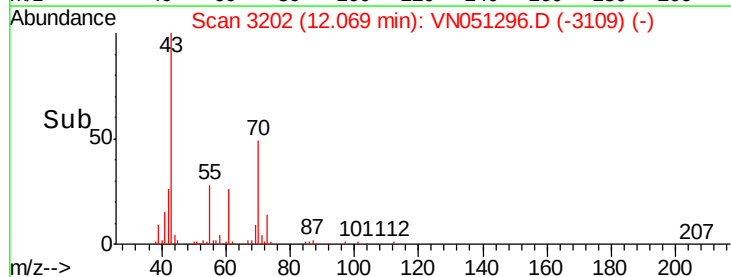
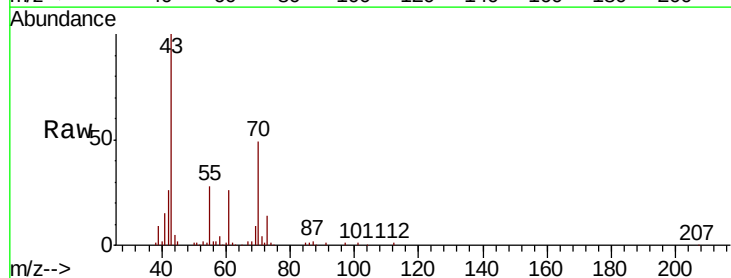
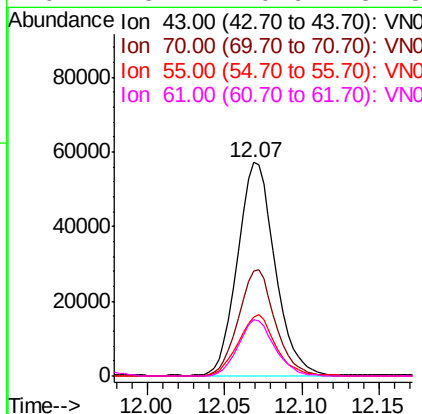
Manual Integrations
APPROVED

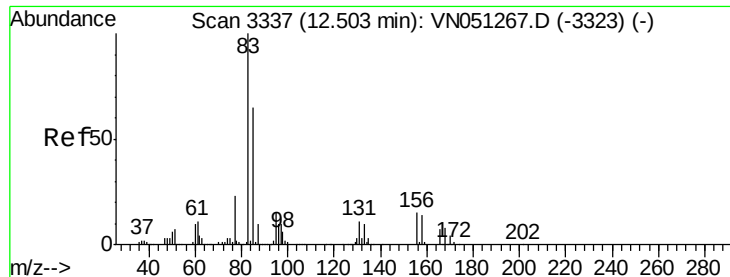
MMDadoda
9/19/2018 2:57:08 PM



#74
N-ethyl acetate
Concen: 18.685 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Tgt Ion	Ratio	Lower	Upper
43	100		
70	48.9	37.8	56.6
55	28.7	22.6	34.0
61	25.4	20.9	31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 22.187 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

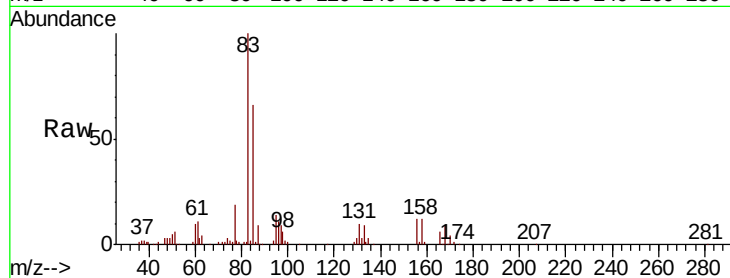
ClientSampleId :

VN0918WBSD02

Tgt Ion:	83	Resp:	123590
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.5	16.7
85	64.5	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
9/19/2018 2:57:08 PM

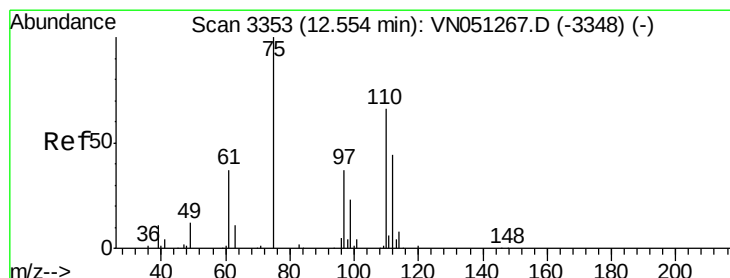
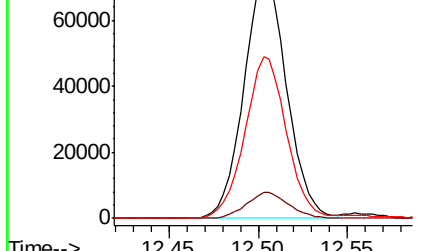
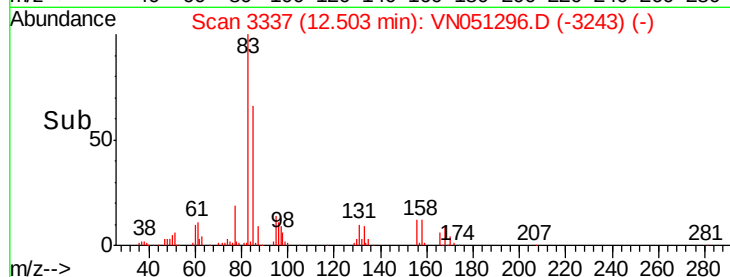


Abundance Ion 82.90 (82.60 to 83.60): VN051296.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN051296.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN051296.D (-3243) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 23.693 ug/l m

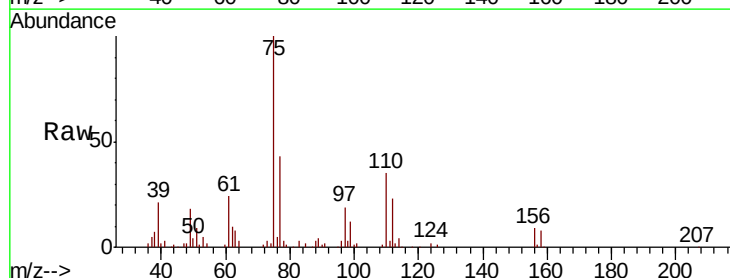
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

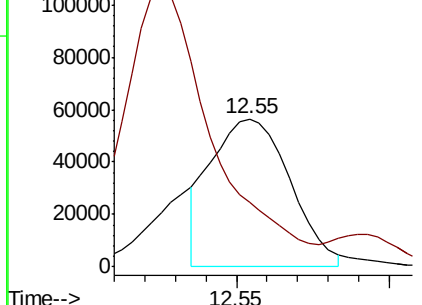
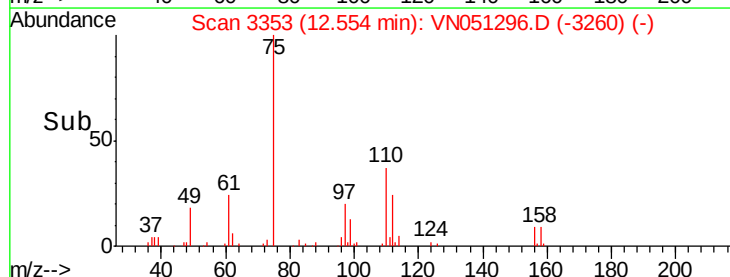
Tgt Ion:	75	Resp:	101937
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

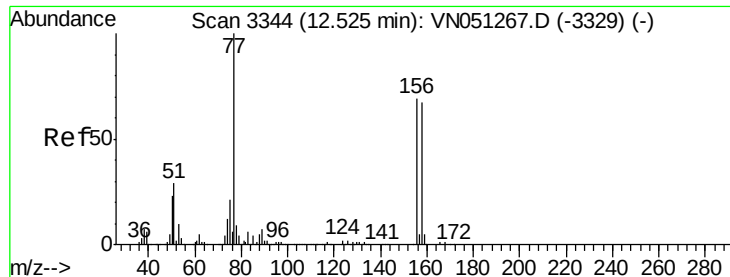


Abundance Ion 74.90 (74.60 to 75.60): VN051296.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN051296.D (-3260) (-)

Time-->





#77

Bromobenzene

Concen: 20.345 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

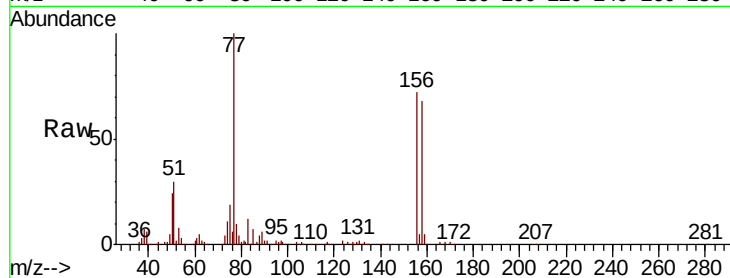
ClientSampleId :

VN0918WBSD02

Tgt Ion:	156	Resp:	130465
Ion Ratio	Lower	Upper	
156	100		
77	167.4	83.7	251.1
158	97.3	49.0	147.2

Manual Integrations
APPROVED

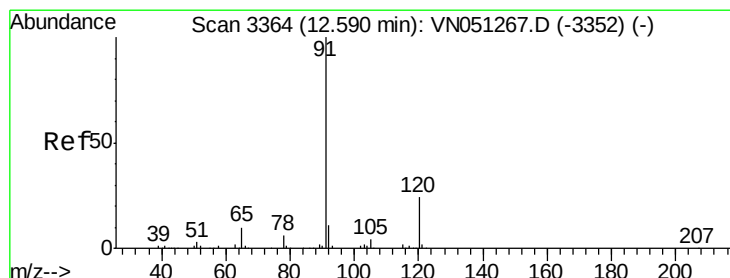
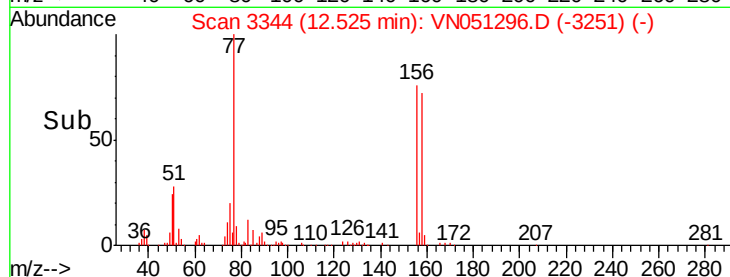
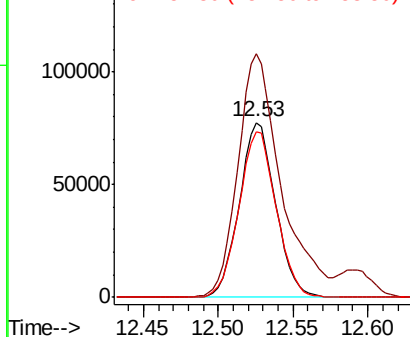
MMDadoda
9/19/2018 2:57:08 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.670 ug/l

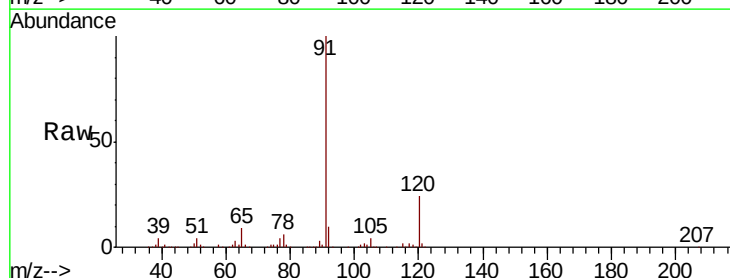
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051296.D

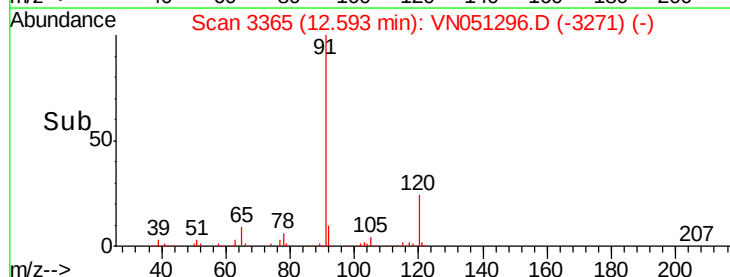
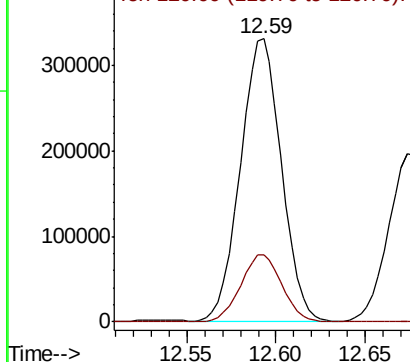
Acq: 18 Sep 2018 14:36

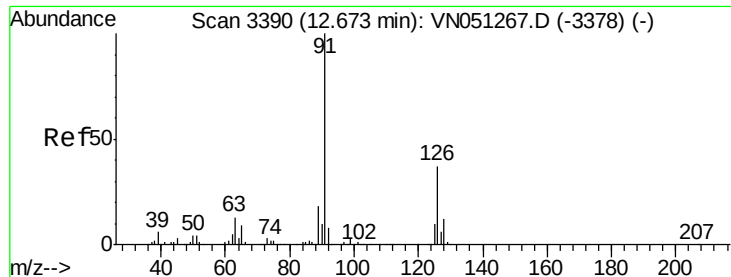
Tgt Ion:	91	Resp:	530144
Ion Ratio	Lower	Upper	
91	100		
120	24.0	12.1	36.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.279 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBSD02

Tgt Ion: 91 Resp: 330268

Ion Ratio Lower Upper

91 100

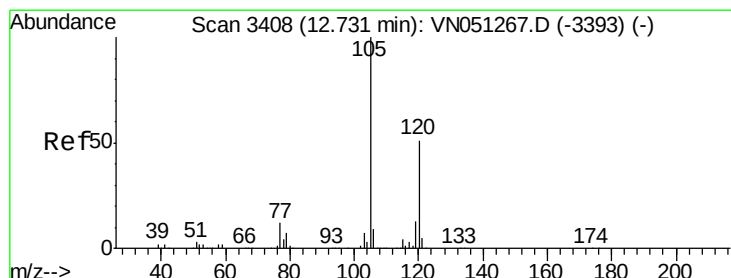
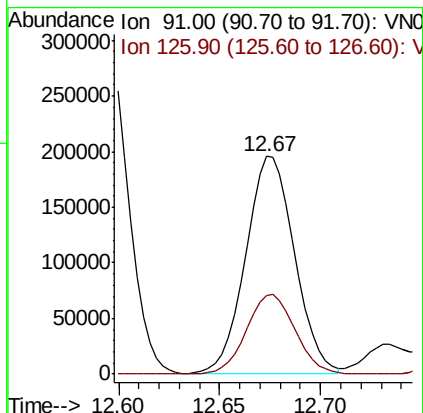
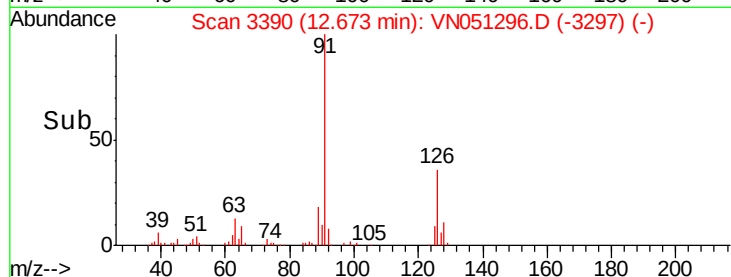
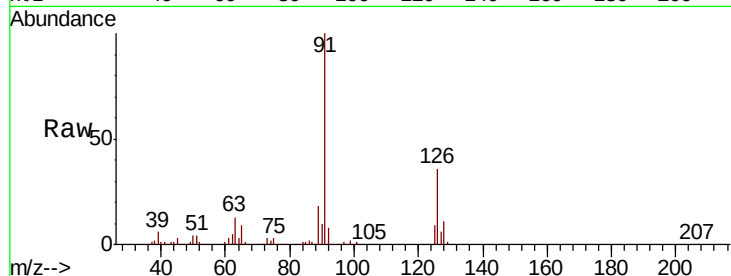
126 36.7 18.2 54.6

Manual Integrations

APPROVED

MMDadoda

9/19/2018 2:57:08 PM



#80

1,3,5-Trimethylbenzene

Concen: 20.282 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051296.D

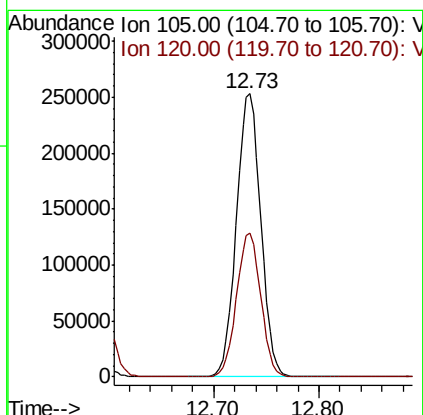
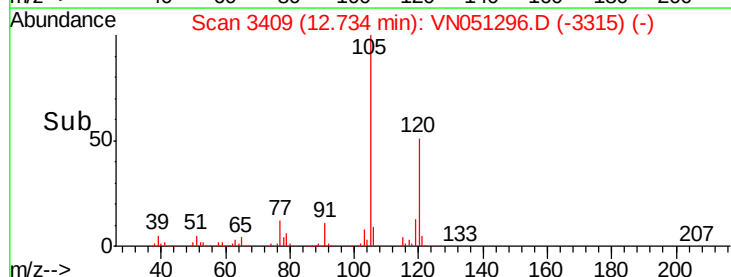
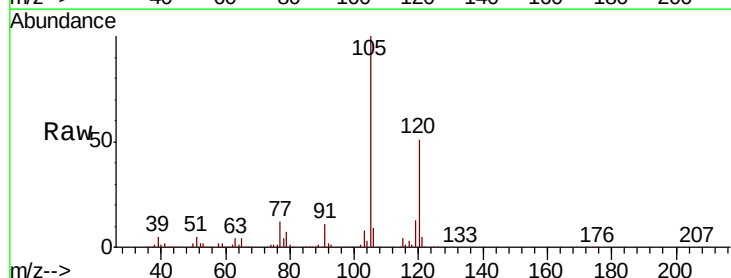
Acq: 18 Sep 2018 14:36

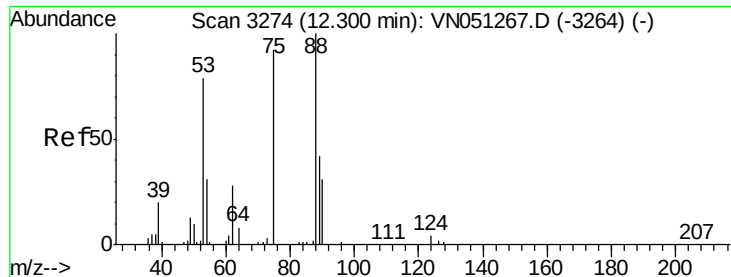
Tgt Ion: 105 Resp: 405176

Ion Ratio Lower Upper

105 100

120 50.4 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.230 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

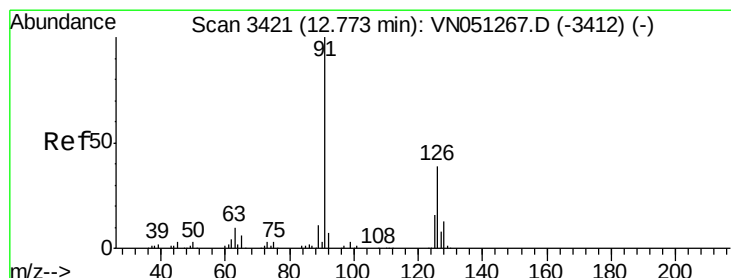
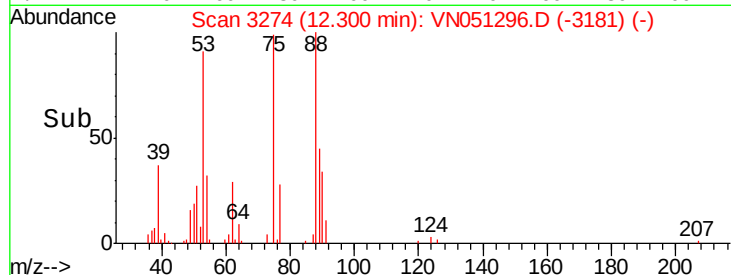
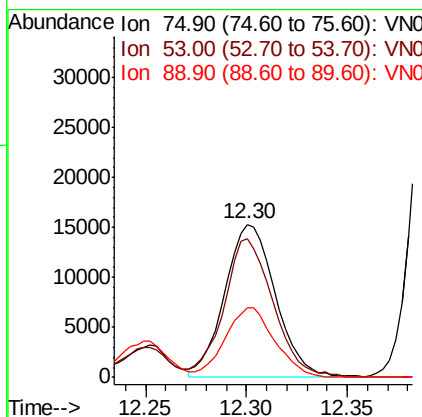
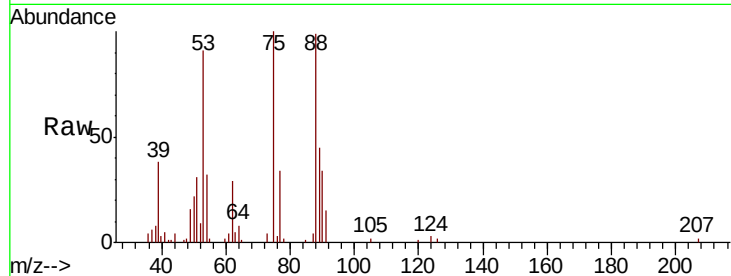
ClientSampleId :

VN0918WBSD02

Tgt Ion:	75	Resp:	26987
Ion	Ratio	Lower	Upper
75	100		
53	87.5	67.7	101.5
89	44.4	36.9	55.3

Manual Integrations
APPROVED

MMDadoda
9/19/2018 2:57:08 PM



#82

4-Chlorotoluene

Concen: 19.560 ug/l

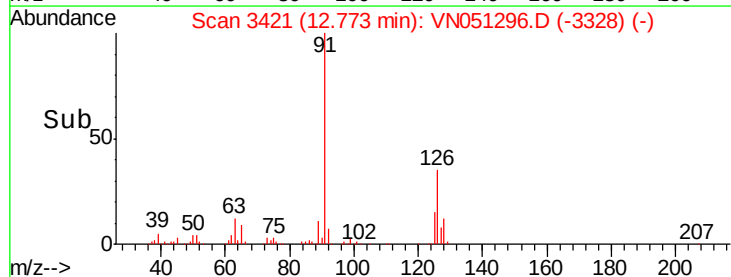
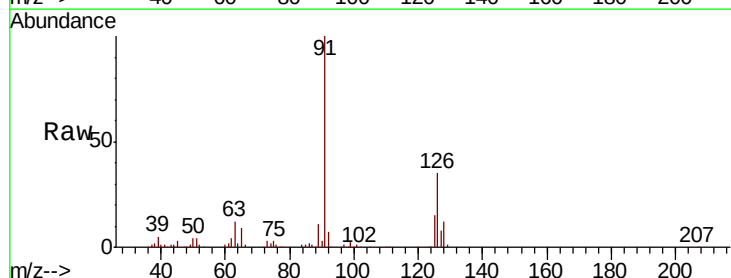
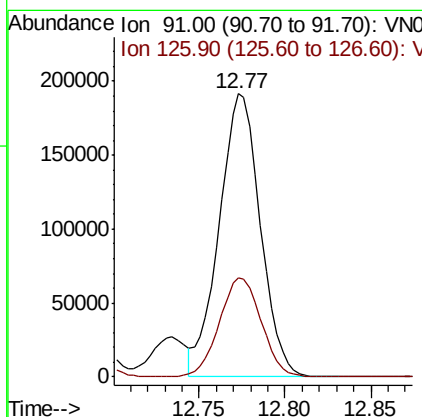
RT: 12.77 min Scan# 3421

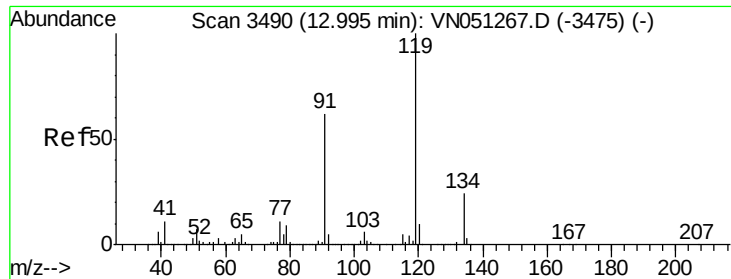
Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Tgt Ion:	91	Resp:	318757
Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.9	53.8





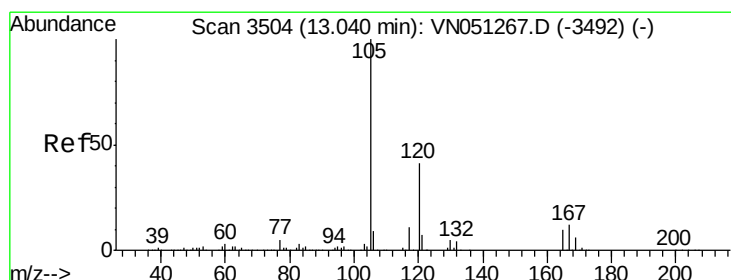
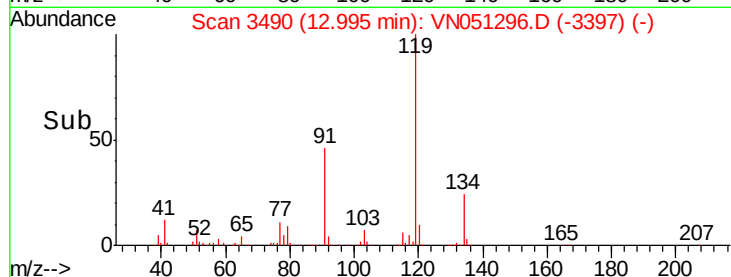
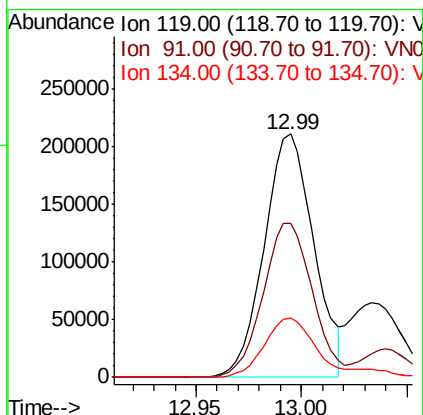
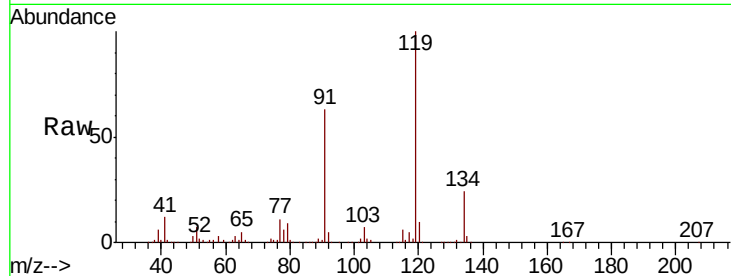
#83
 tert-Butylbenzene
 Concen: 19.612 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	346231		
91	62.9	30.8	92.4	
134	27.4	12.4	37.0	

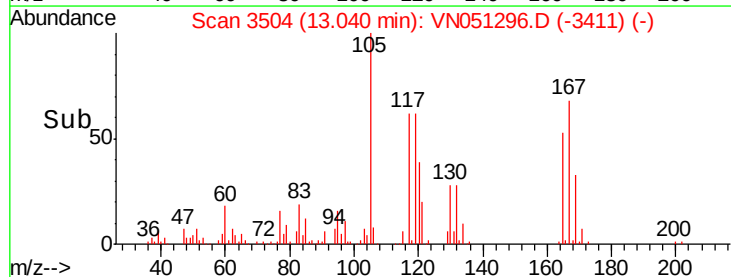
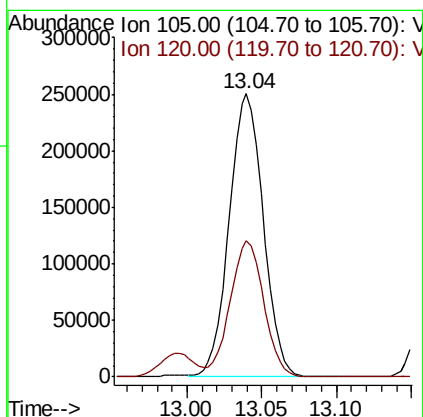
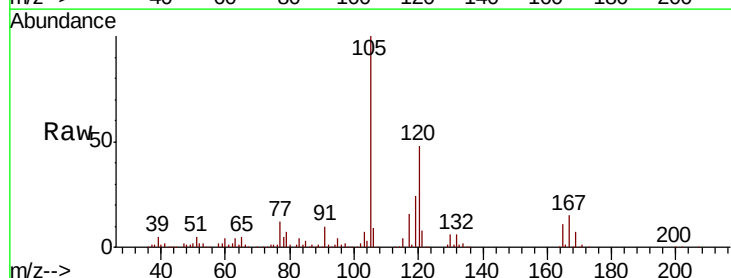
Manual Integrations
 APPROVED

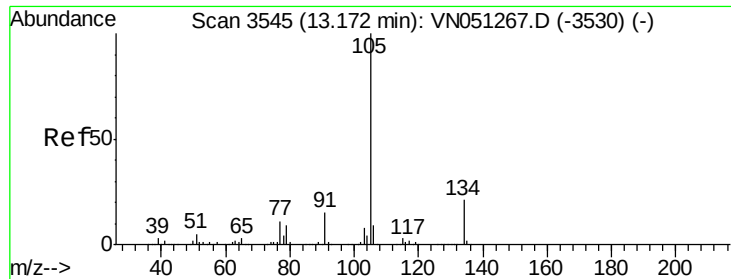
MMDadoda
 9/19/2018 2:57:08 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.439 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	396510		
120	47.7	23.5	70.6	





#85

sec-Butylbenzene

Concen: 19.792 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBSD02

Tgt Ion:105 Resp: 443687

Ion Ratio Lower Upper

105 100

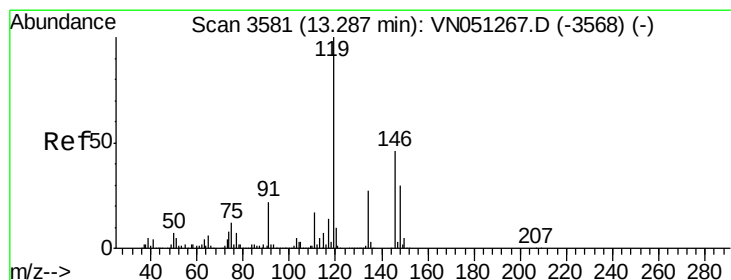
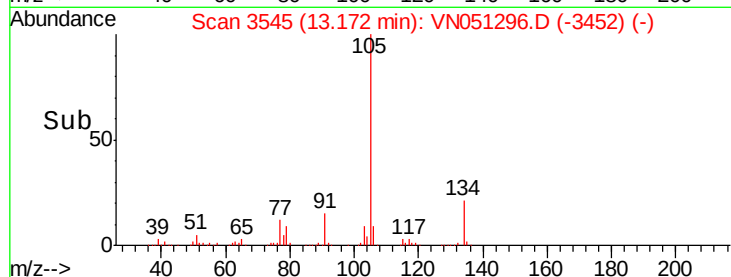
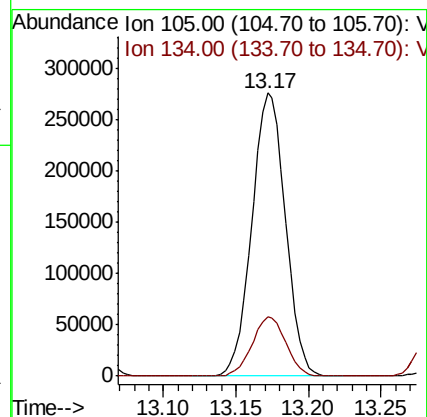
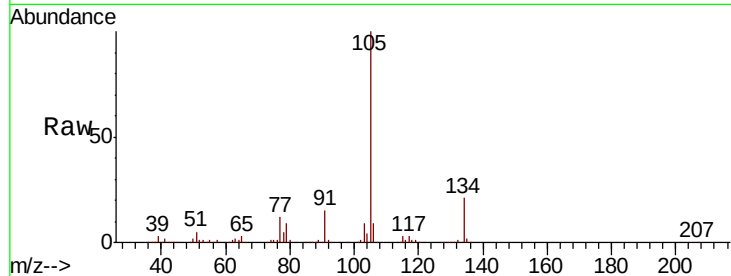
134 21.0 10.5 31.6

Manual Integrations

APPROVED

MMDadoda

9/19/2018 2:57:08 PM



#86

p-Isopropyltoluene

Concen: 20.452 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

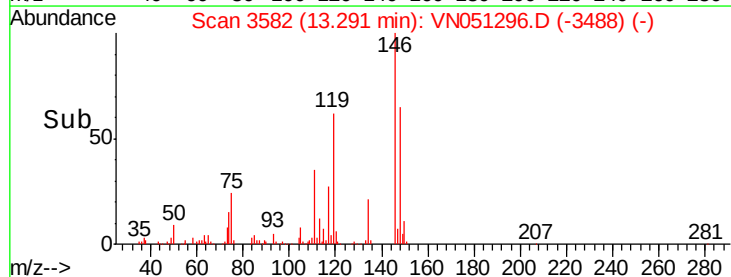
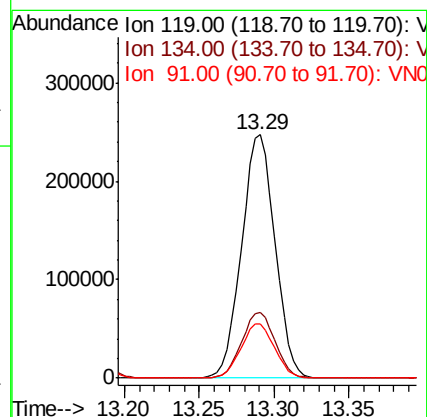
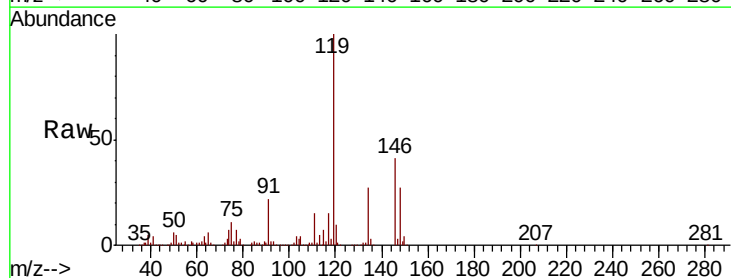
Tgt Ion:119 Resp: 384443

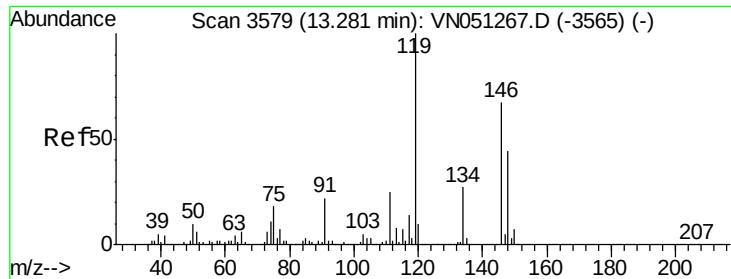
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

91 22.2 11.1 33.1





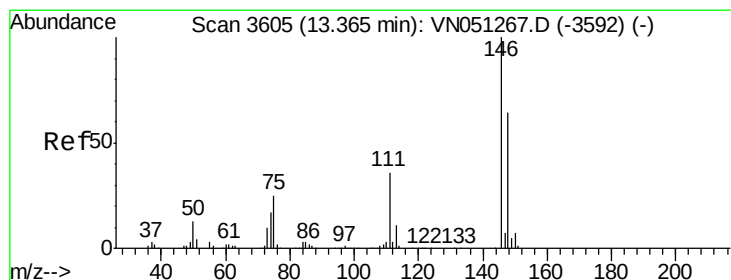
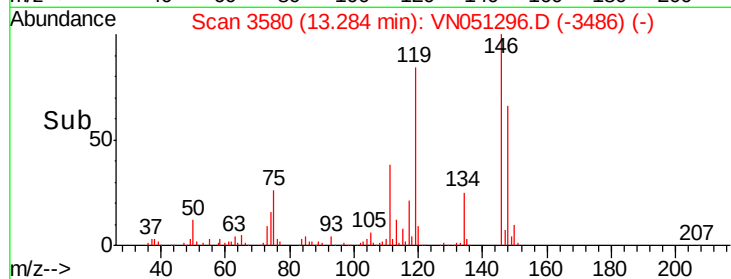
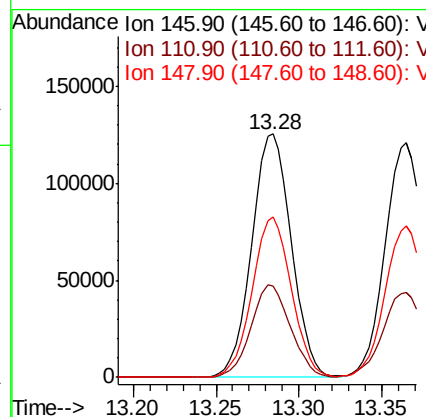
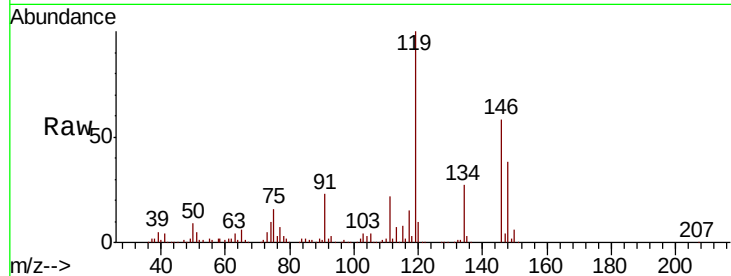
#87
 1,3-Dichlorobenzene
 Concen: 18.920 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.7	56.1
148	65.1	32.2	96.6

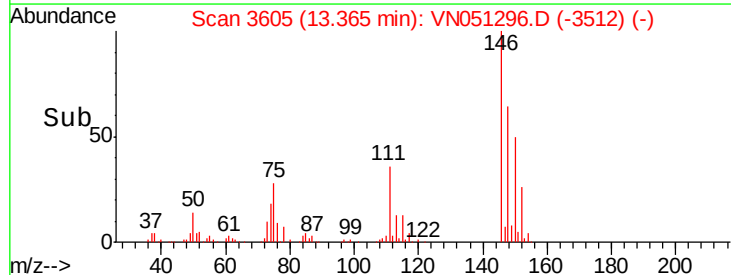
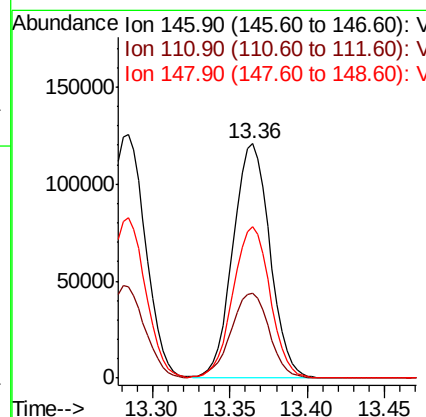
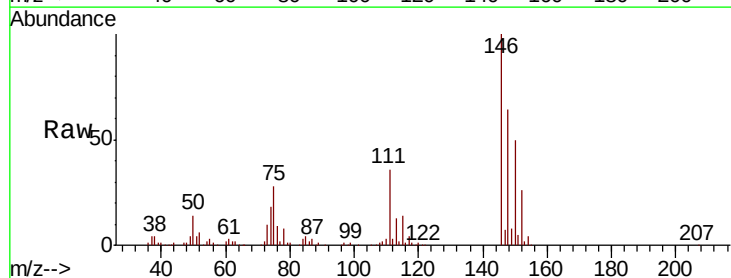
Manual Integrations
 APPROVED

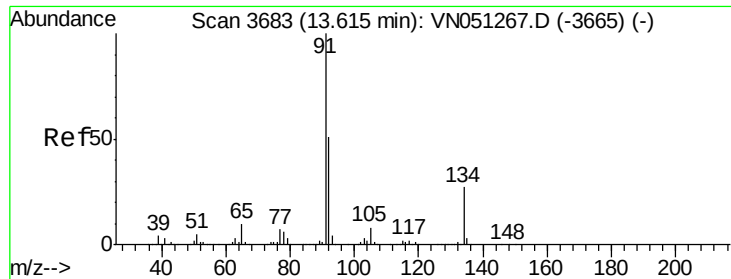
MMDadoda
 9/19/2018 2:57:08 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.385 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.2	54.6
148	65.1	31.9	95.7





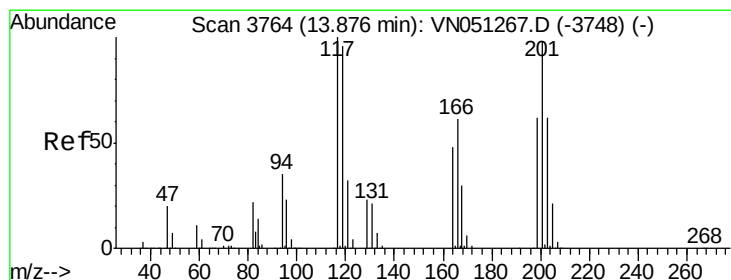
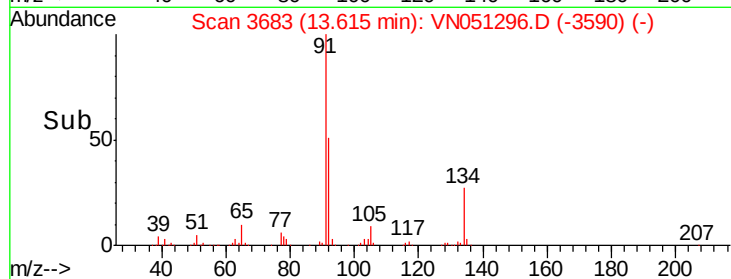
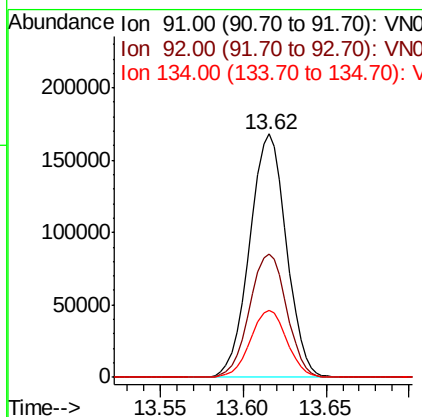
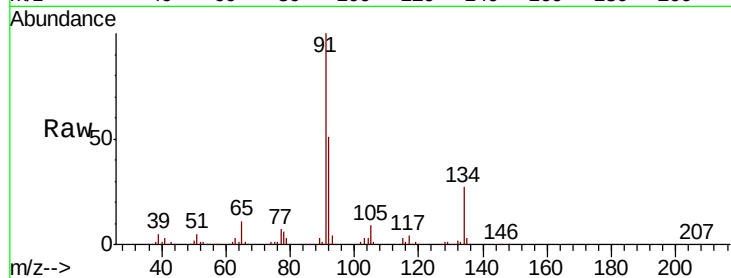
#89
n-Butylbenzene
Concen: 18.119 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD02

Tgt Ion: 91 Resp: 259009
Ion Ratio Lower Upper
91 100
92 51.3 25.8 77.4
134 27.4 13.7 41.0

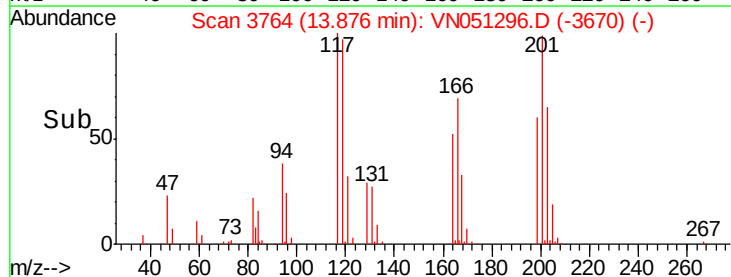
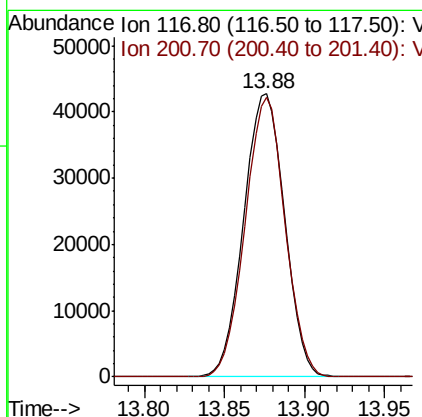
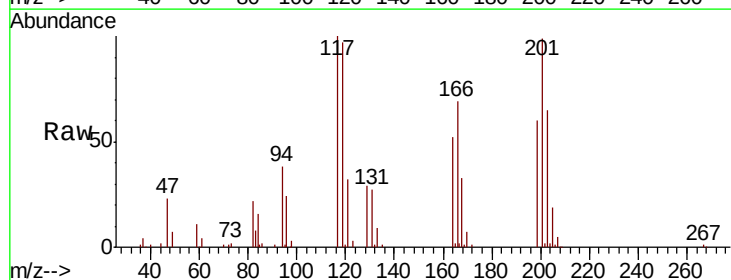
Manual Integrations
APPROVED

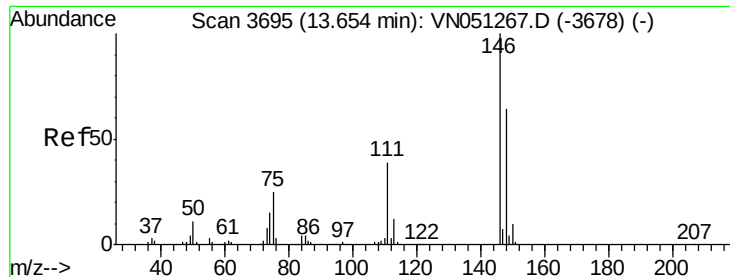
MMDadoda
9/19/2018 2:57:08 PM



#90
Hexachloroethane
Concen: 19.812 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Tgt Ion: 117 Resp: 74542
Ion Ratio Lower Upper
117 100
201 96.2 48.4 145.3





#91

1,2-Dichlorobenzene

Concen: 20.113 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

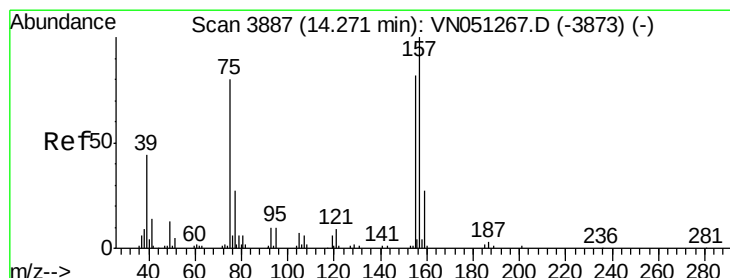
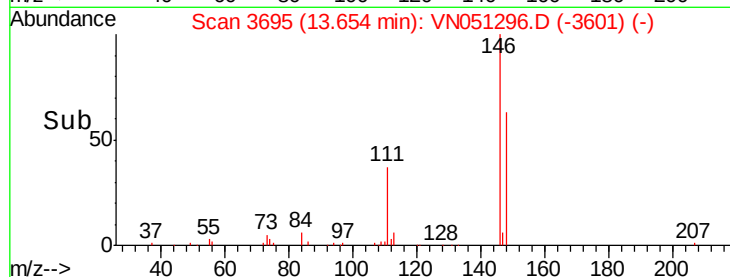
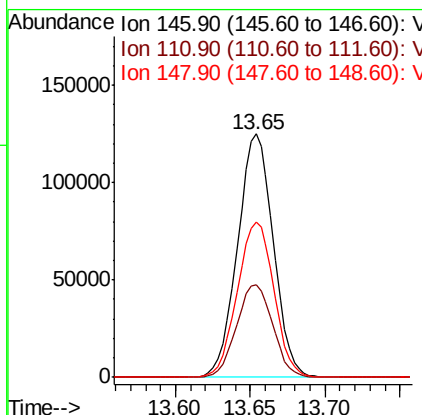
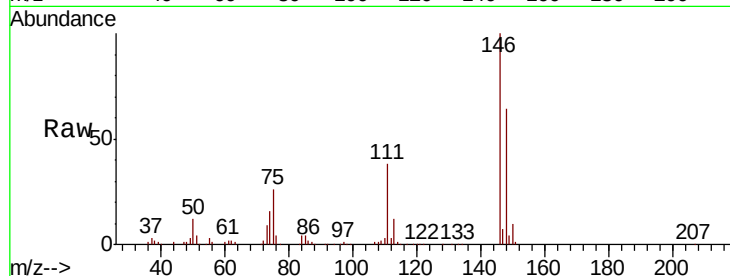
ClientSampleId :

VN0918WBSD02

Tgt Ion:	146	Resp:	207644
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.6	58.7
148	65.4	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
9/19/2018 2:57:08 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.872 ug/l

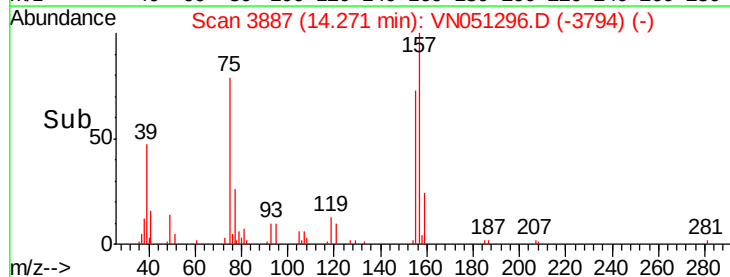
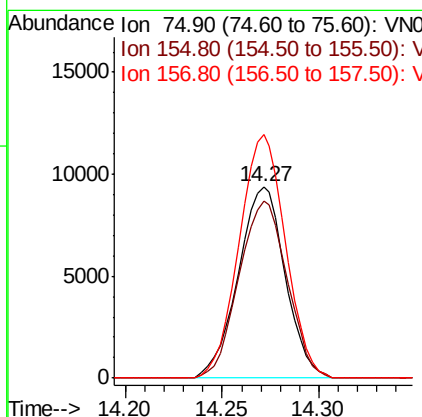
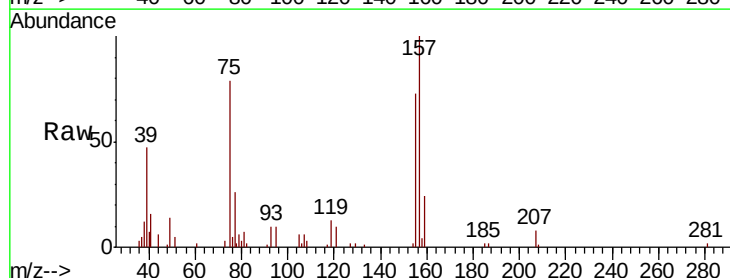
RT: 14.27 min Scan# 3887

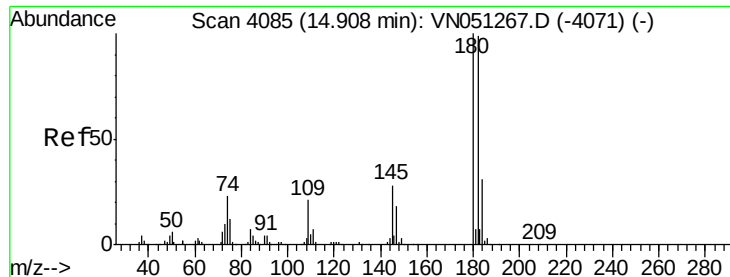
Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Tgt Ion:	75	Resp:	15873
Ion Ratio	Lower	Upper	
75	100		
155	94.8	50.2	150.7
157	125.6	62.9	188.7





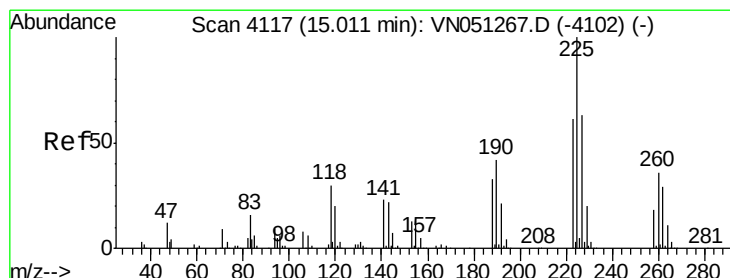
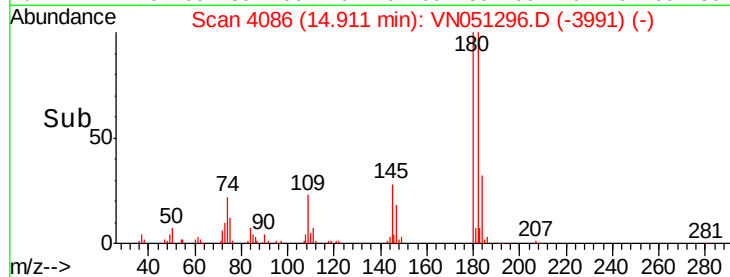
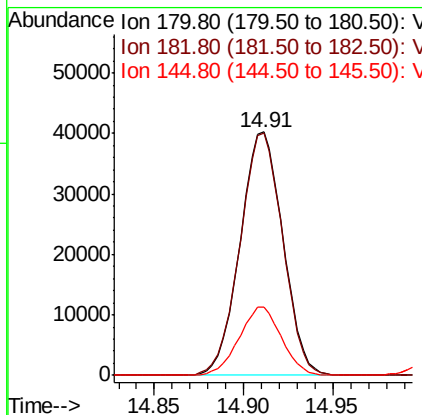
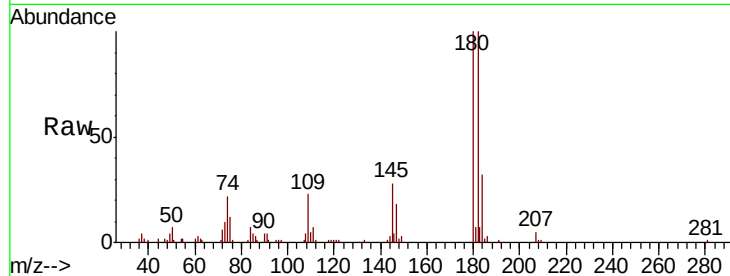
#93
 1,2,4-Trichlorobenzene
 Concen: 17.183 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	67517		
182	99.2	48.5	145.6	
145	27.8	14.0	41.9	

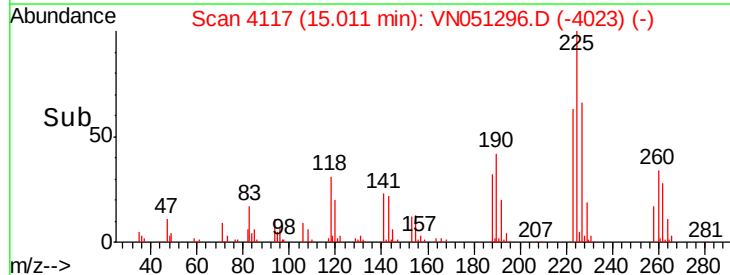
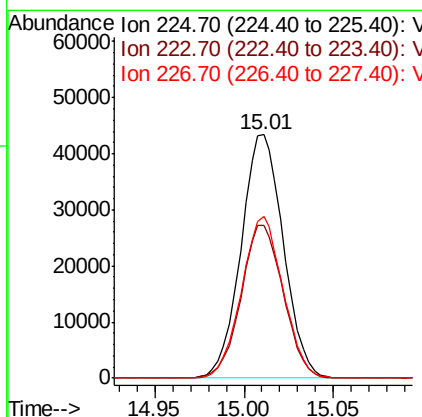
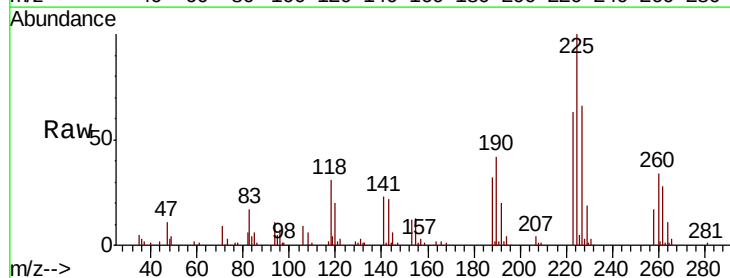
Manual Integrations
 APPROVED

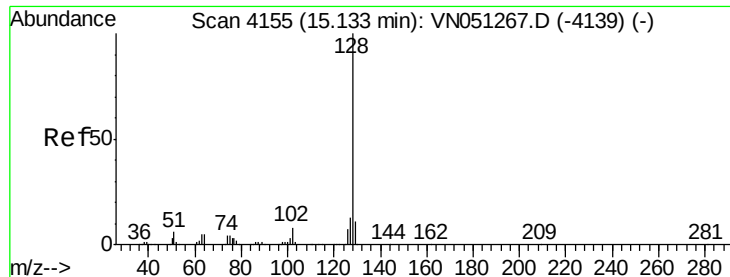
MMDadoda
 9/19/2018 2:57:08 PM



#94
 Hexachlorobutadiene
 Concen: 20.388 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	71857		
223	62.7	30.8	92.3	
227	65.0	32.1	96.3	





#95

Naphthalene

Concen: 17.460 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

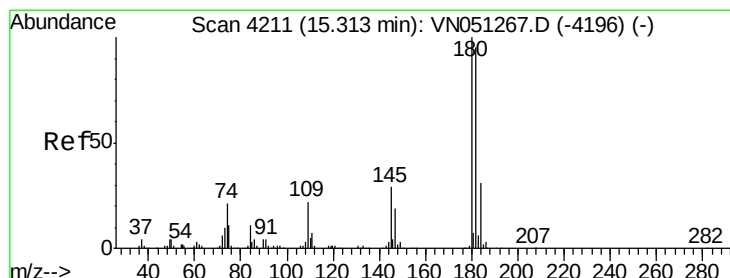
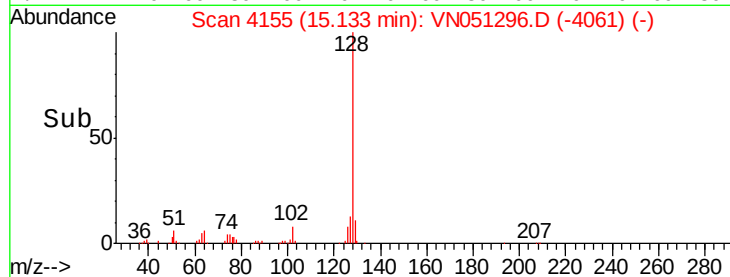
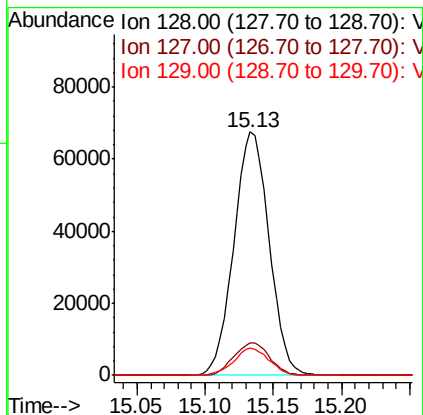
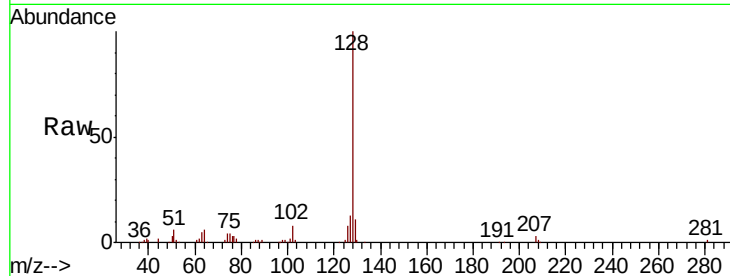
ClientSampleId :

VN0918WBSD02

Tgt Ion:	128	Resp:	121336
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.7	16.1
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/19/2018 2:57:08 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.804 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Tgt Ion:	180	Resp:	76581
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.5	142.6
145	28.7	14.8	44.4

