

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073118\
 Data File : VN050204.D
 Acq On : 31 Jul 2018 9:37
 Operator : MD\SY
 Sample : VN0731WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/1/2018 11:13:55 AM

Quant Time: Jul 31 17:50:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	127516	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	704962	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	606236	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	261596	30.18	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.60%
60) 4-Bromofluorobenzene	12.40	95	271555	29.16	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.20%
63) Toluene-d8	10.09	98	877461	30.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	179989	20.483	ug/l 96
3) Chloromethane	2.06	50	166487	18.376	ug/l 99
4) Vinyl Chloride	2.18	62	185599	19.241	ug/l 100
5) Bromomethane	2.57	94	58692	9.982	ug/l 97
6) Chloroethane	2.70	64	108910	19.091	ug/l 98
7) Trichlorofluoromethane	3.01	101	255550	20.275	ug/l 99
8) Diethyl Ether	3.41	74	80180	18.964	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	160987	20.995	ug/l 98
10) 1,1-Dichloroethene	3.74	96	134188	19.737	ug/l 97
11) Methyl Iodide	3.95	142	69886	6.986	ug/l 100
12) Methyl Acetate	4.33	43	159589	20.492	ug/l 99
13) Acrolein	3.61	56	13858	28.792	ug/l 97
14) Acrylonitrile	4.99	53	223106	85.852	ug/l 99
15) Acetone	3.82	58	63222	91.540	ug/l 92
16) Carbon Disulfide	4.05	76	382938	18.405	ug/l 100
17) Allyl chloride	4.33	41	207067	19.286	ug/l 99
18) Methylene Chloride	4.55	84	157112	20.026	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	141590	19.452	ug/l 100
20) Diisopropyl ether	5.95	45	450259	20.452	ug/l 99
21) 1,1-Dichloroethane	5.85	63	281395	20.328	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	162595	20.143	ug/l 99
23) tert-Butyl Alcohol	4.79	59	44952m	77.412	ug/l
24) Methyl tert-Butyl Ether	5.05	73	346932	18.711	ug/l 99
25) Chloroform	7.37	83	287036	20.483	ug/l 98
26) Cyclohexane	7.65	56	217193	19.744	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	205957	18.825	ug/l 100
30) 2-Butanone	6.84	43	271575	79.105	ug/l 99
31) 2,2-Dichloropropane	6.83	77	230649	19.073	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	240046	18.641	ug/l 98
33) Carbon Tetrachloride	7.77	117	215962	18.813	ug/l 100
34) Benzene	8.04	78	635573	19.129	ug/l 98
35) Methacrylonitrile	7.17	41	42695	10.923	ug/l 94
36) 1,2-Dichloroethane	8.13	62	201358	18.457	ug/l 99
37) Trichloroethene	8.84	130	163914	18.810	ug/l 94
38) Methylcyclohexane	9.08	83	211058	18.299	ug/l 100
39) 1,2-Dichloropropane	9.12	63	170798	19.514	ug/l 100
40) Dibromomethane	9.21	93	98058	18.127	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073118\
 Data File : VN050204.D
 Acq On : 31 Jul 2018 9:37
 Operator : MD\SY
 Sample : VN0731WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0731WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/1/2018 11:13:55 AM

Quant Time: Jul 31 17:50:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	215544	18.889	ug/l	97
42) Vinyl Acetate	5.90	43	1349785	83.551	ug/l	99
43) Ethyl Acetate	6.93	43	110921	15.473	ug/l	96
44) Isopropyl Acetate	8.17	43	241390	18.177	ug/l	92
45) 1,4-Dioxane	9.20	88	26028	297.843	ug/l	94
46) Methyl methacrylate	9.20	41	103003	16.000	ug/l	98
47) n-amyl Acetate	12.07	43	151528	14.664	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	196807	18.095	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	235400	18.419	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	141264	18.193	ug/l	99
51) Ethyl methacrylate	10.43	69	151816	16.108	ug/l	99
52) 1,3-Dichloropropane	10.71	76	229113	17.968	ug/l	99
53) Dibromochloromethane	10.90	129	155062	17.596	ug/l	97
54) 1,2-Dibromoethane	11.01	107	133308	17.529	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	338368	79.327	ug/l	99
56) Bromoform	12.13	173	100114	16.089	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	586371	83.124	ug/l	99
59) 2-Hexanone	10.75	43	377659	78.475	ug/l	99
61) Tetrachloroethene	10.63	164	159651	19.442	ug/l	99
62) Toluene	10.16	91	671848	19.424	ug/l	99
64) Chlorobenzene	11.44	112	408598	19.481	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	160037	19.562	ug/l	100
66) Ethyl Benzene	11.51	91	677109	19.156	ug/l	100
67) m/p-Xylenes	11.62	106	527867	38.806	ug/l	99
68) o-Xylene	11.95	106	246319	19.032	ug/l	98
69) Styrene	11.96	104	389431	18.770	ug/l	98
70) Isopropylbenzene	12.25	105	671789	19.490	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	164170	17.347	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	135632m	16.780	ug/l	
73) Bromobenzene	12.53	156	166922	18.179	ug/l	97
74) n-propylbenzene	12.59	91	764330	19.039	ug/l	99
75) 2-Chlorotoluene	12.67	91	467295	19.380	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	551752	19.489	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	37900	14.342	ug/l	92
78) 4-Chlorotoluene	12.77	91	456036	19.086	ug/l	100
79) tert-butylbenzene	12.99	119	475621	19.650	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	561669	19.581	ug/l	99
81) sec-Butylbenzene	13.17	105	636634	19.362	ug/l	99
82) p-Isopropyltoluene	13.29	119	538573	19.197	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	296752	18.561	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	277523	18.368	ug/l	99
85) n-Butylbenzene	13.62	91	410788	18.042	ug/l	99
86) Hexachloroethane	13.88	117	104465	18.633	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	292996	18.748	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	23029	15.620	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	116312	15.582	ug/l	98
90) Hexachlorobutadiene	15.01	225	94728	19.248	ug/l	98
91) Naphthalene	15.14	128	209132	16.579	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	120586	15.884	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073118\
Data File : VN050204.D
Acq On : 31 Jul 2018 9:37
Operator : MD\SY
Sample : VN0731WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS01

Manual Integrations
APPROVED

MMDadoda
8/1/2018 11:13:55 AM

Quant Time: Jul 31 17:50:15 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 26 15:21:50 2018
Response via : Initial Calibration

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

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

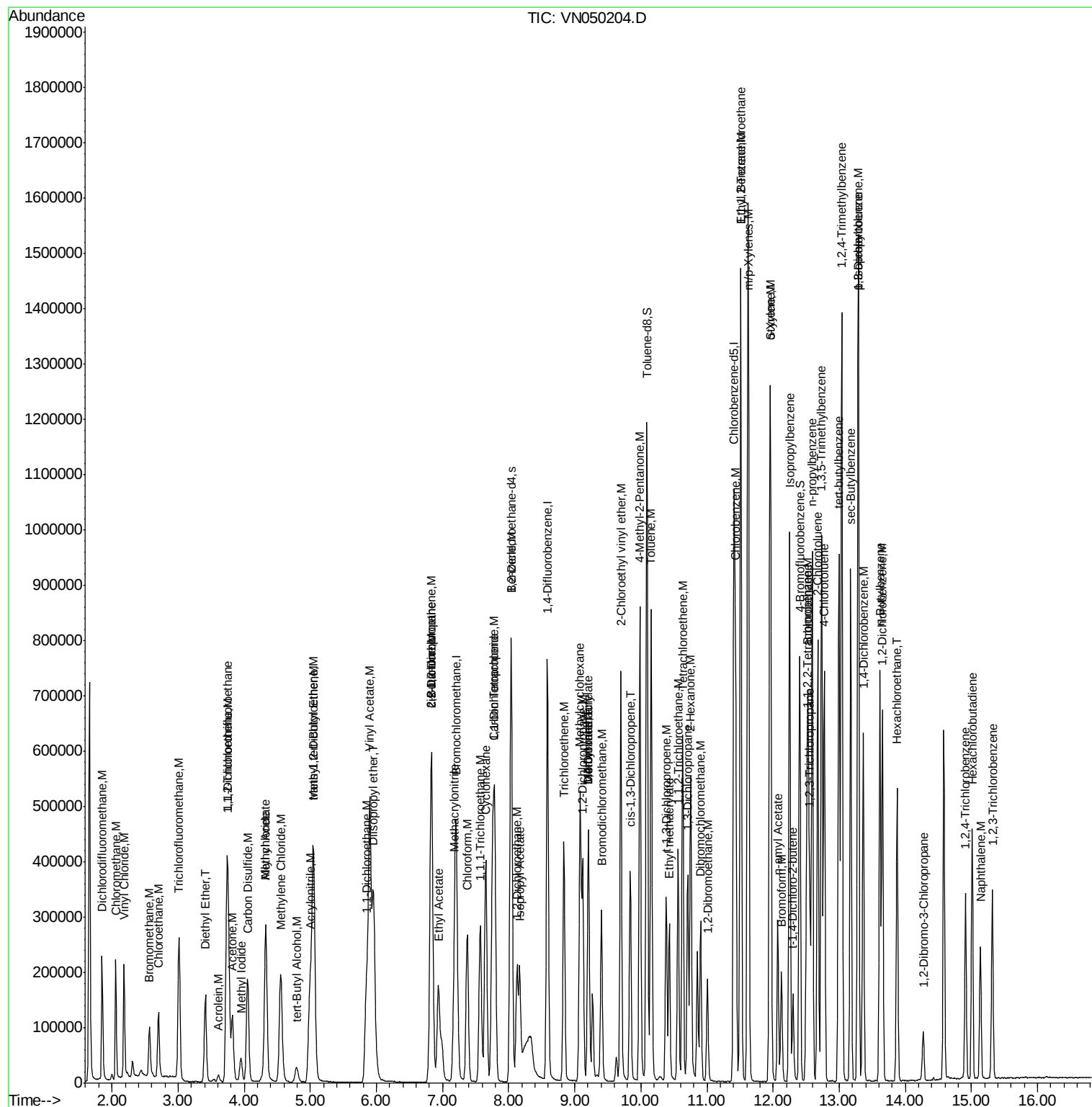
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073118\
 Data File : VN050204.D
 Acq On : 31 Jul 2018 9:37
 Operator : MD\SY
 Sample : VN0731WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

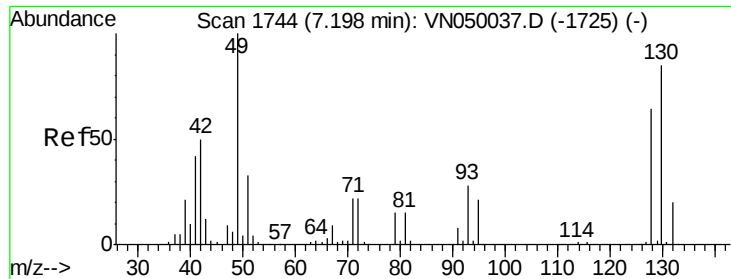
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/1/2018 11:13:55 AM

Quant Time: Jul 31 17:50:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

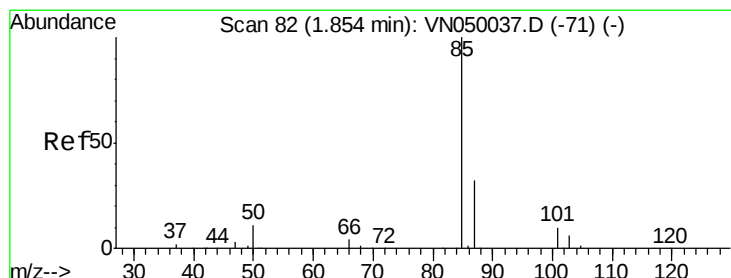
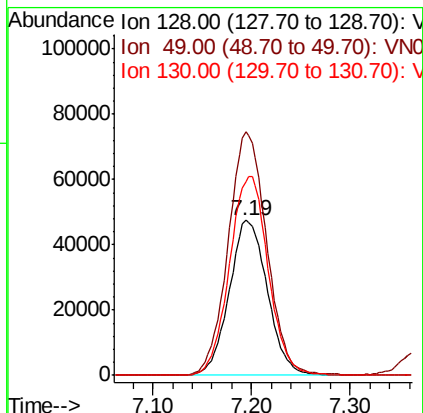
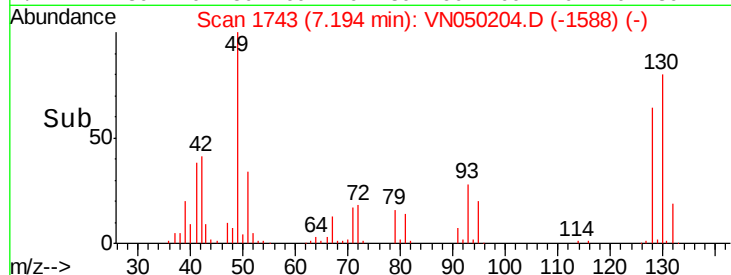
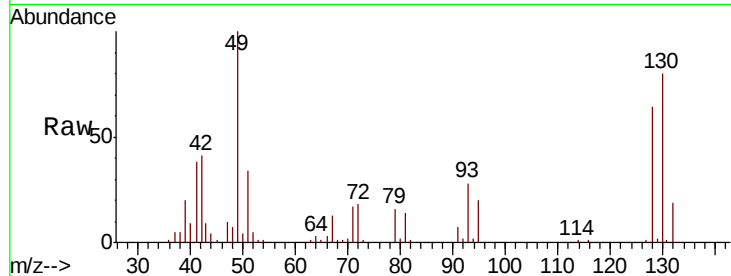
ClientSampleId :

VN0731WBS01

Tot Ion	128	Resp	127516
Ion	Ratio	Lower	Upper
128	100		
49	158.5	0.0	378.3
130	130.4	0.0	320.7

Manual Integrations
APPROVED

MMDadoda
8/1/2018 11:13:55 AM



#2

Dichlorodifluoromethane

Concen: 20.483 ug/l

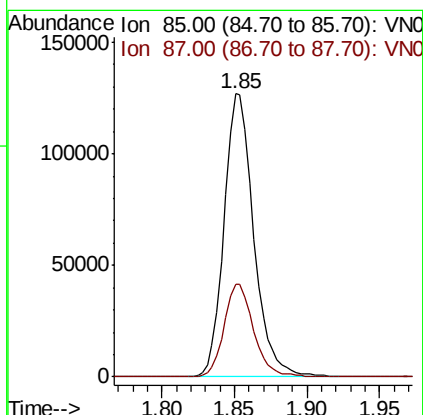
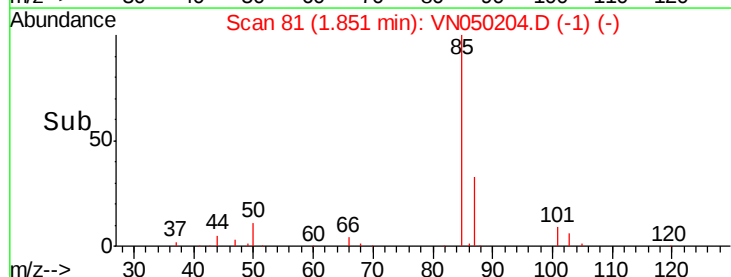
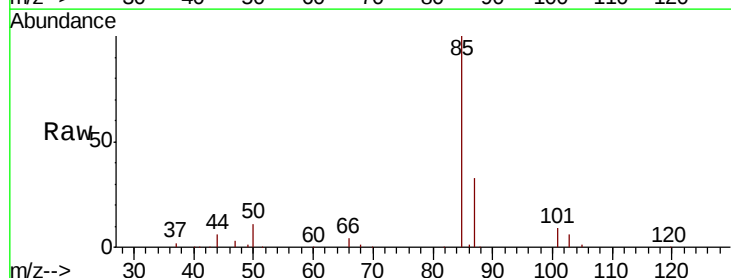
RT: 1.85 min Scan# 81

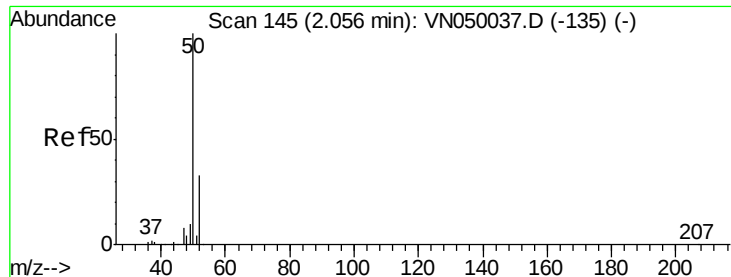
Delta R.T. -0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Tgt Ion	85	Resp	179989
Ion	Ratio	Lower	Upper
85	100		
87	32.9	15.4	46.4





#3

Chloromethane

Concen: 18.376 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampled :

VN0731WBS01

Tot Ion: 50 Resp: 166487

Ion Ratio Lower Upper

50 100

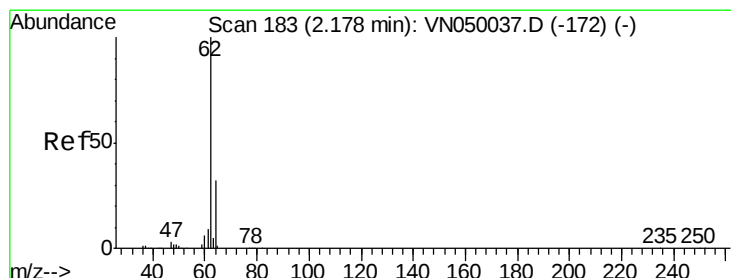
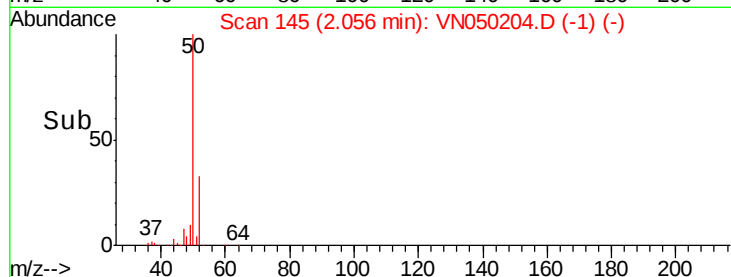
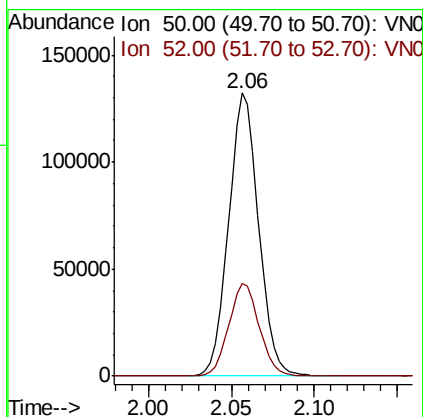
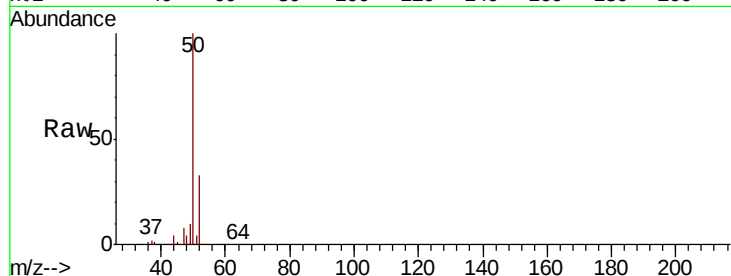
52 32.9 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

8/1/2018 11:13:55 AM



#4

Vinyl Chloride

Concen: 19.241 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050204.D

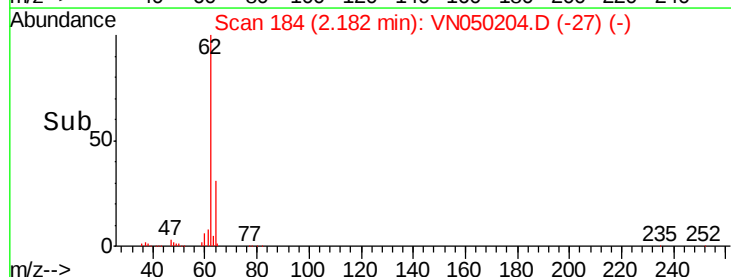
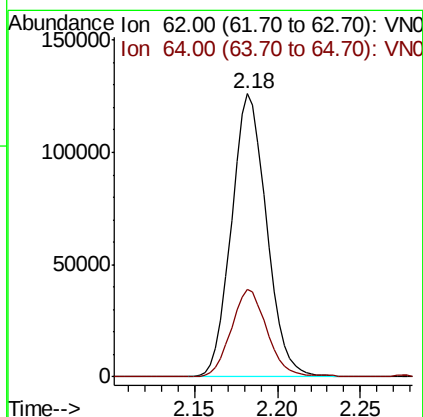
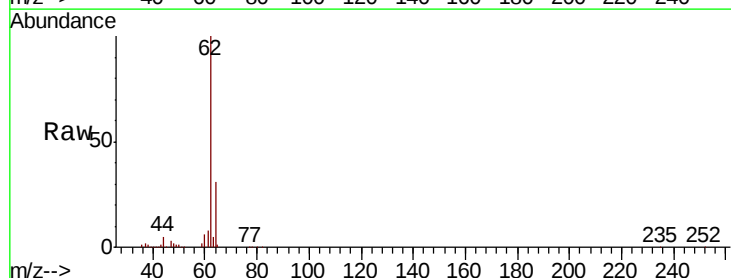
Acq: 31 Jul 2018 9:37

Tgt Ion: 62 Resp: 185599

Ion Ratio Lower Upper

62 100

64 30.6 24.4 36.6





#5

Bromomethane

Concen: 9.982 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampled :

VN0731WBS01

Tot Ion: 94 Resp: 58692

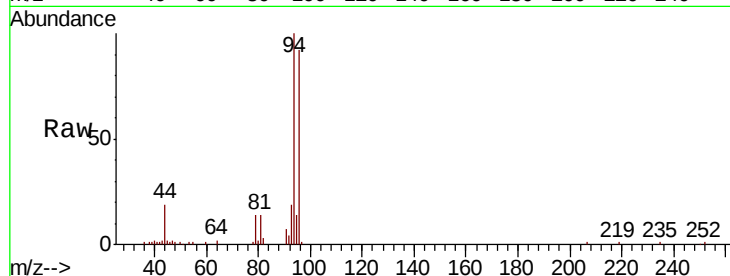
Ion Ratio Lower Upper

94 100

96 91.7 75.9 113.9

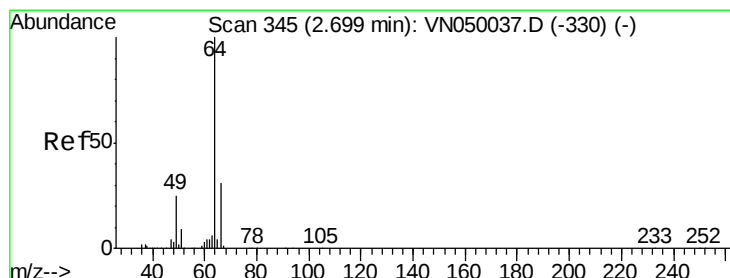
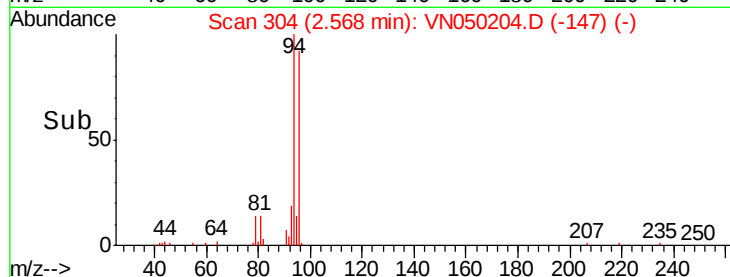
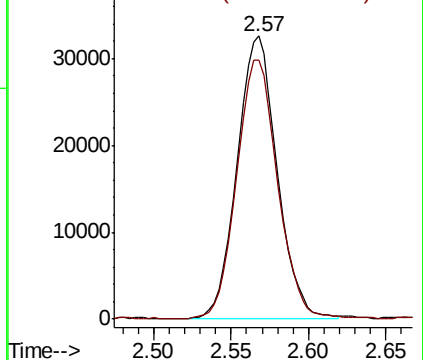
Manual Integrations
APPROVED

MMDadoda
8/1/2018 11:13:55 AM



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.091 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050204.D

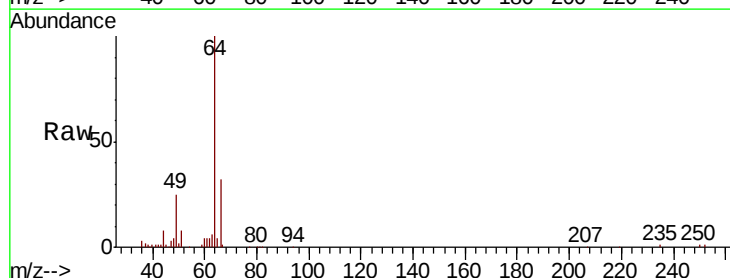
Acq: 31 Jul 2018 9:37

Tgt Ion: 64 Resp: 108910

Ion Ratio Lower Upper

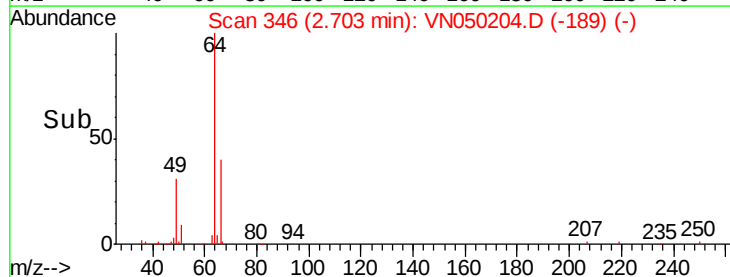
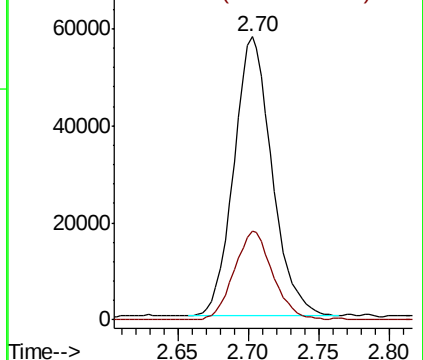
64 100

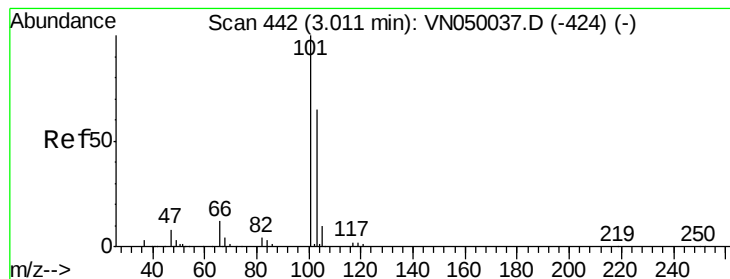
66 32.0 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

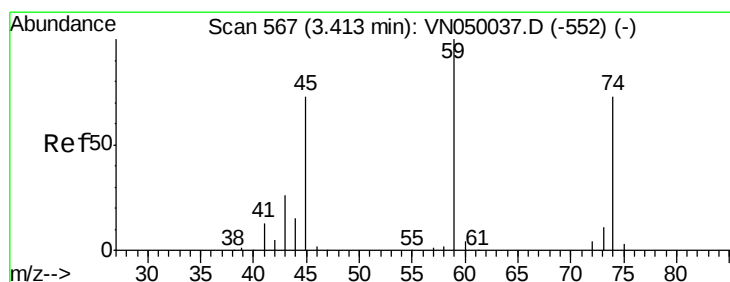
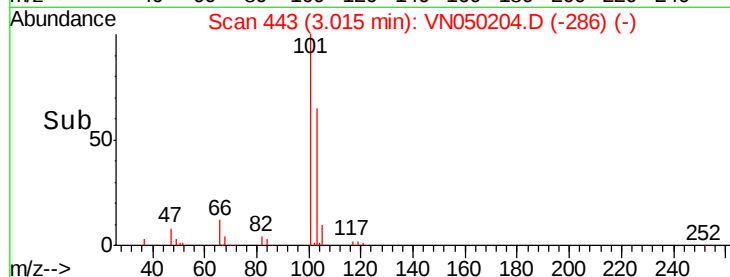
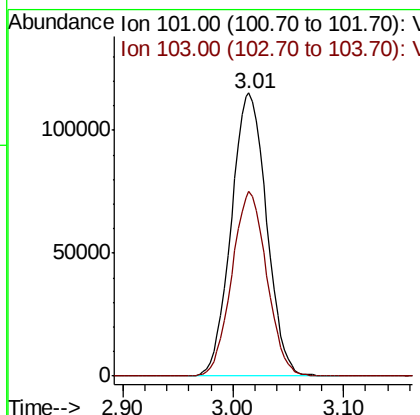
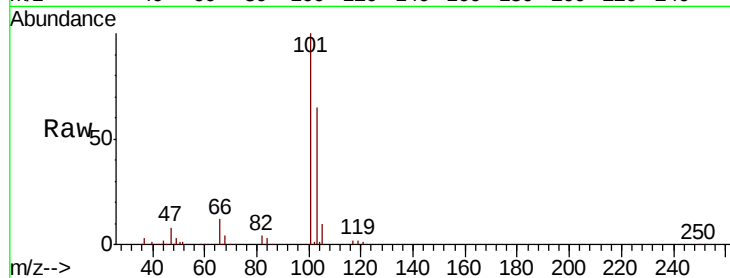
Trichlorofluoromethane
 Concen: 20.275 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.5	77.3

Manual Integrations
 APPROVED

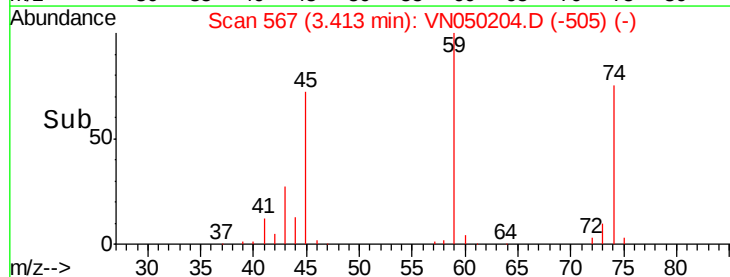
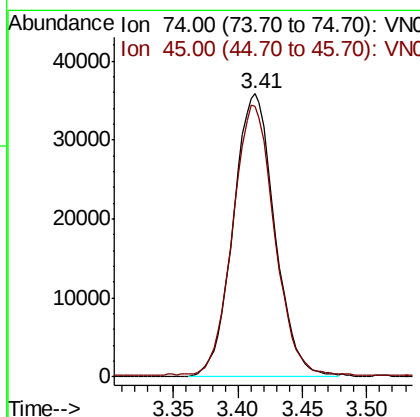
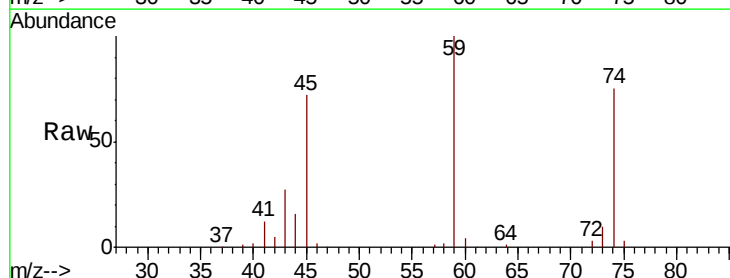
MMDadoda
 8/1/2018 11:13:55 AM

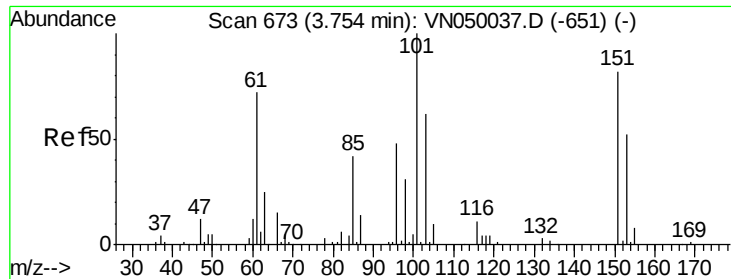


#8

Diethyl Ether
 Concen: 18.964 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.7	18.7	167.9





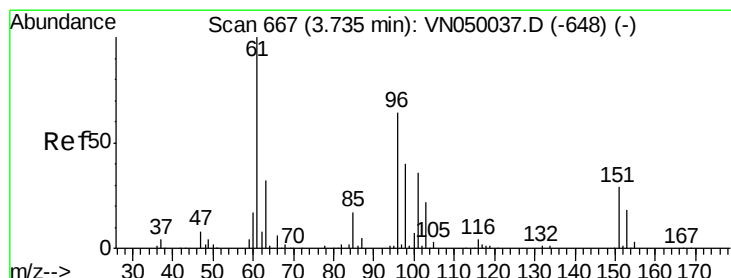
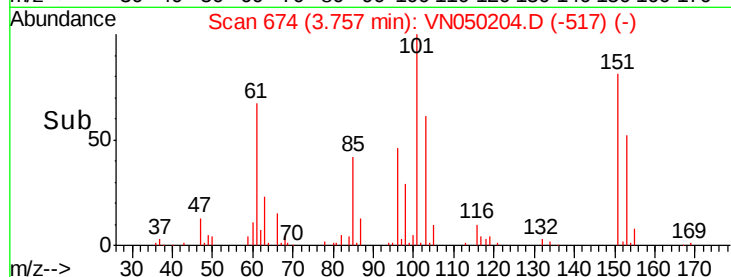
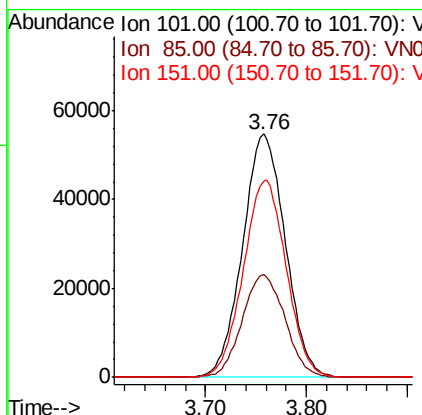
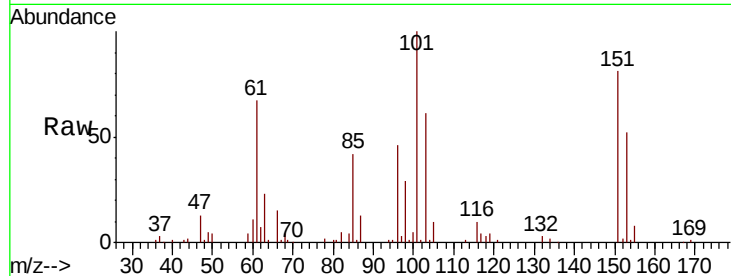
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.995 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	160987		
85	42.3	0.0	83.0	
151	81.4	0.0	166.8	

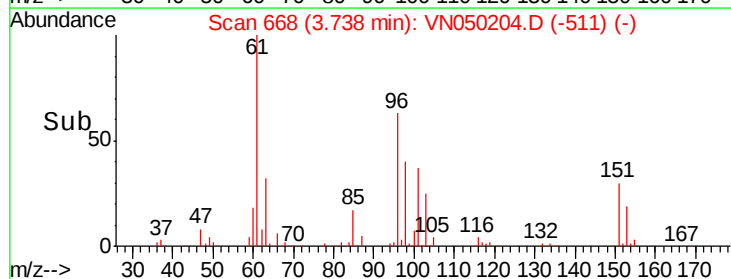
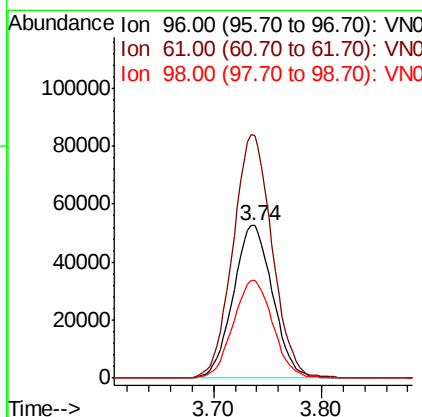
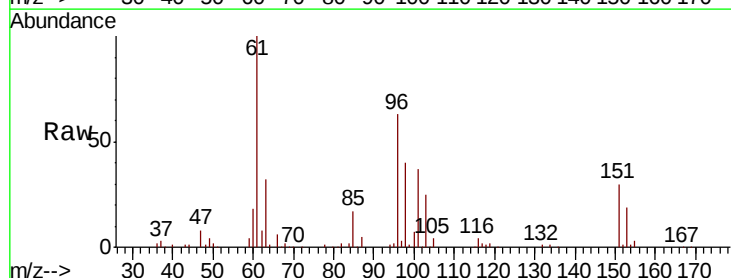
Manual Integrations
 APPROVED

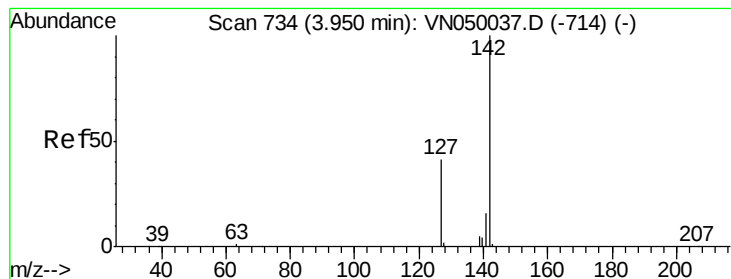
MMDadoda
 8/1/2018 11:13:55 AM



#10
 1,1-Dichloroethene
 Concen: 19.737 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	134188		
61	159.1	130.6	195.8	
98	64.3	53.5	80.3	





#11

Methyl Iodide

Concen: 6.986 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

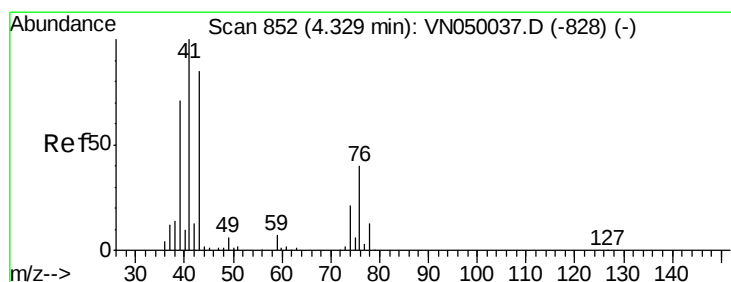
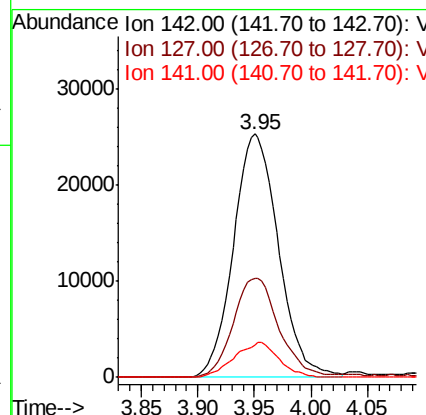
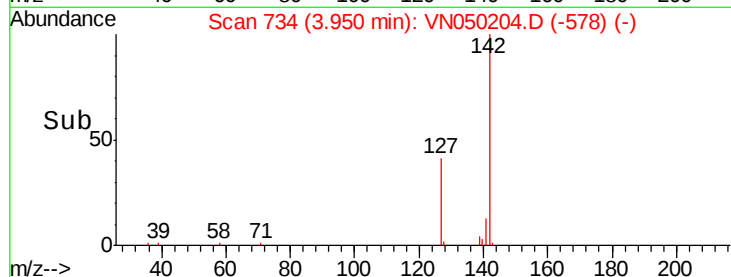
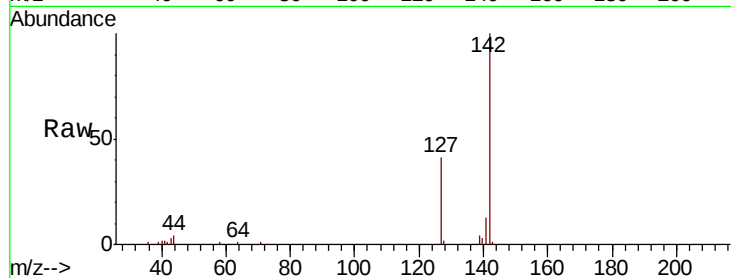
ClientSampled :

VN0731WBS01

Tot Ion:	142	Resp:	69886
Ion Ratio	Lower	Upper	
142	100		
127	40.6	20.2	60.5
141	13.6	6.9	20.6

Manual Integrations
APPROVED

MMDadoda
8/1/2018 11:13:55 AM



#12

Methyl Acetate

Concen: 20.492 ug/l

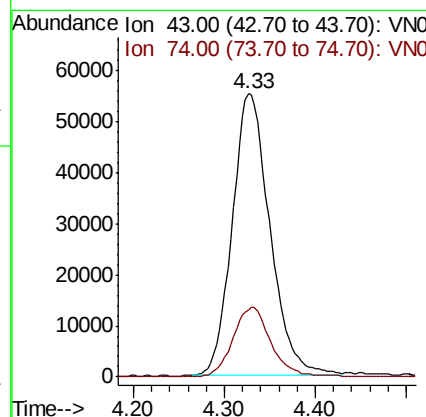
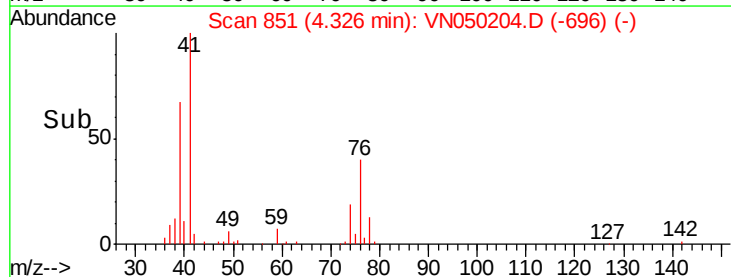
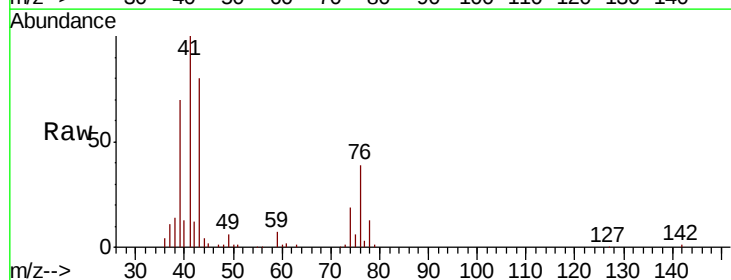
RT: 4.33 min Scan# 851

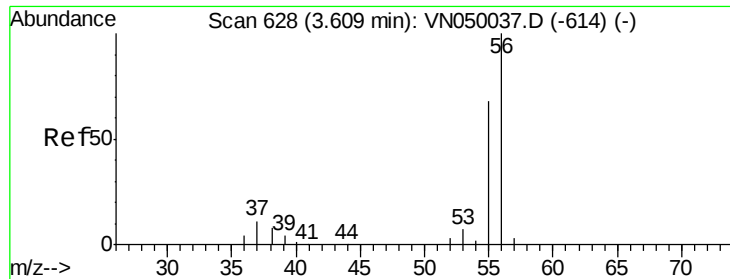
Delta R.T. -0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Tgt Ion:	43	Resp:	159589
Ion Ratio	Lower	Upper	
43	100		
74	23.7	19.3	28.9





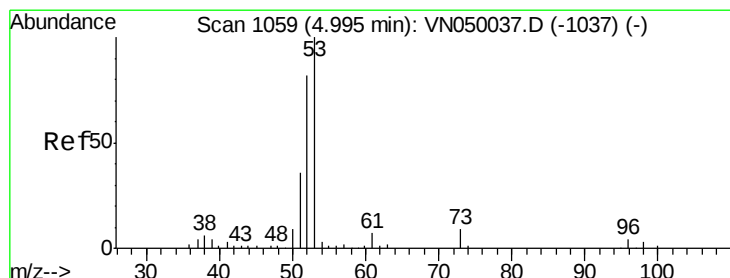
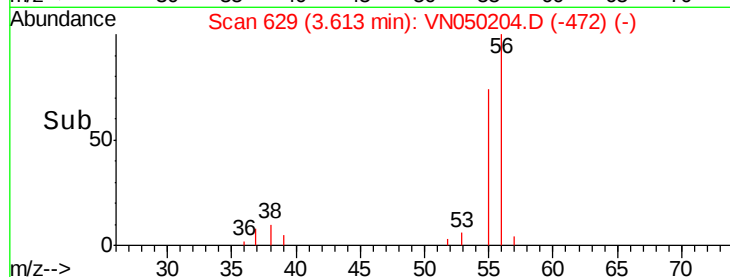
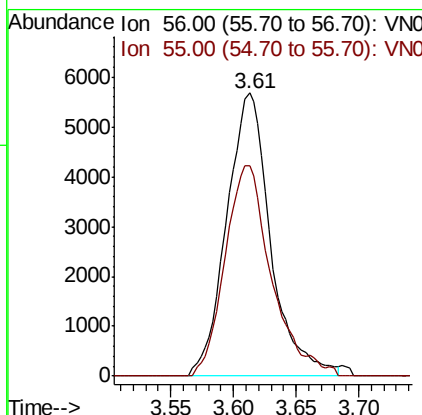
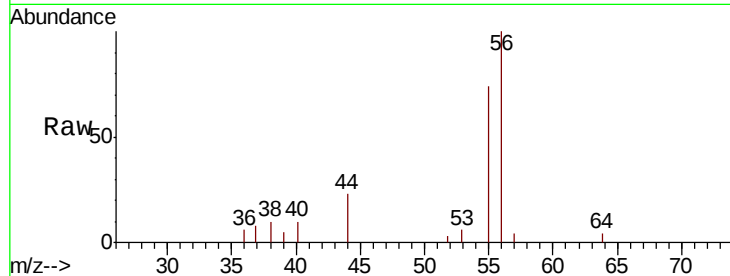
#13
 Acrolein
 Concen: 28.792 ug/l
 RT: 3.61 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0731WBS01

Tot Ion	56	55	Ratio	100	75.8	Resp	13858	Lower	58.6	Upper	88.0
Ion	56	55	Ratio	100	75.8	Resp	13858	Lower	58.6	Upper	88.0

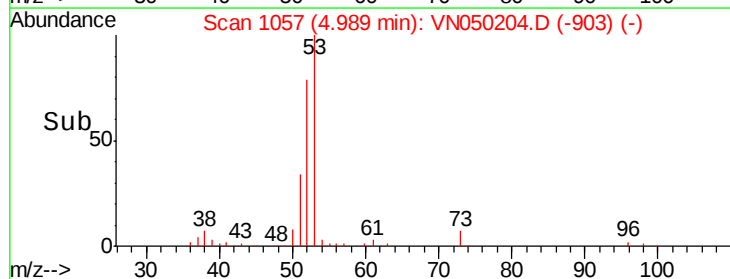
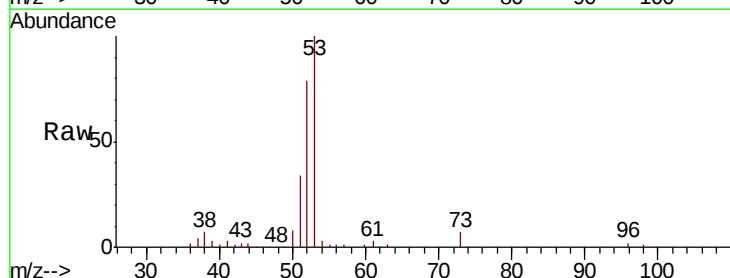
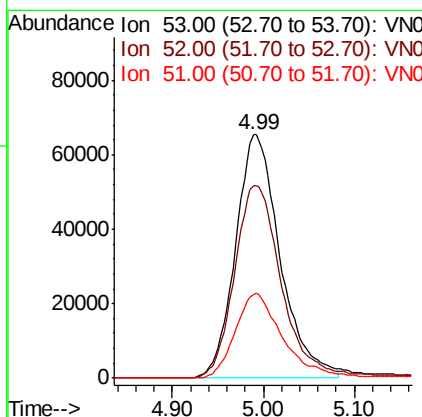
Manual Integrations
 APPROVED

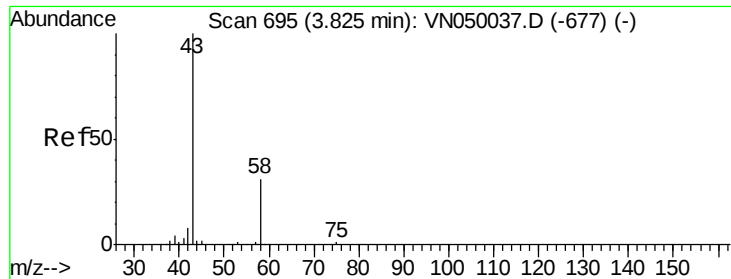
MMDadoda
 8/1/2018 11:13:55 AM



#14
 Acrylonitrile
 Concen: 85.852 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.01 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Tgt Ion	53	52	51	Ratio	100	82.1	37.0	Resp	223106	Lower	41.5	18.7	Upper	124.5	56.1
Ion	53	52	51	Ratio	100	82.1	37.0	Resp	223106	Lower	41.5	18.7	Upper	124.5	56.1





#15

Acetone

Concen: 91.540 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampled :

VN0731WBS01

Tot Ion: 58 Resp: 63222

Ion Ratio Lower Upper

58 100

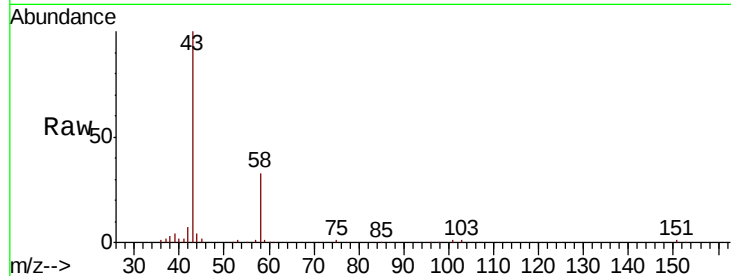
43 298.7 252.0 378.0

Manual Integrations

APPROVED

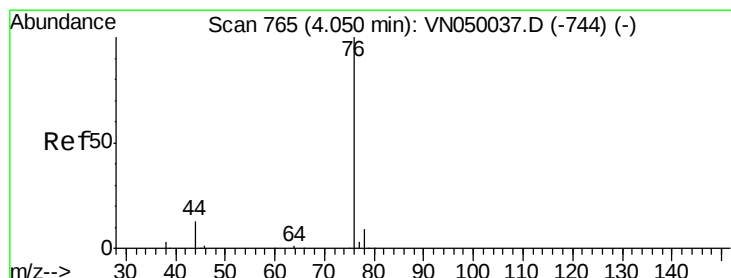
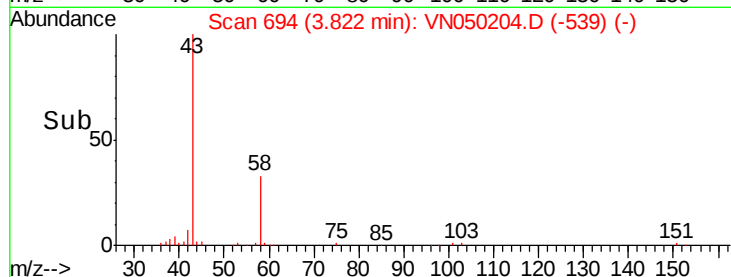
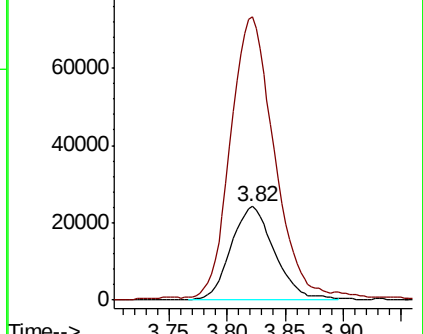
MMDadoda

8/1/2018 11:13:55 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.405 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050204.D

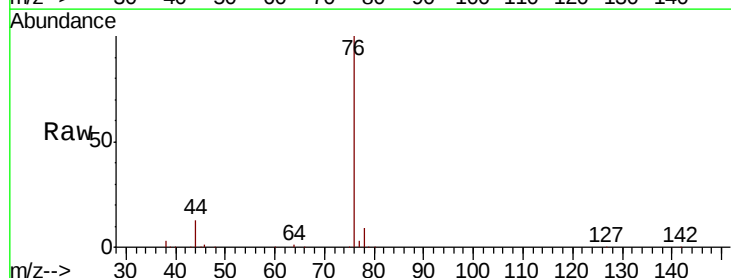
Acq: 31 Jul 2018 9:37

Tgt Ion: 76 Resp: 382938

Ion Ratio Lower Upper

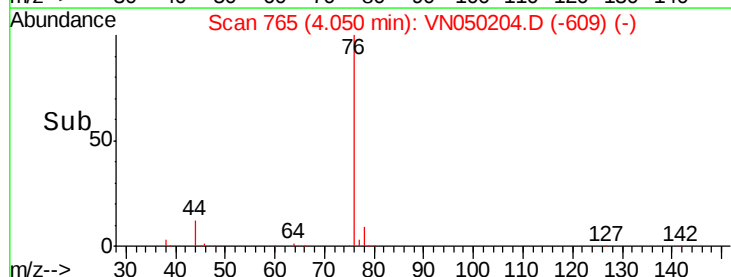
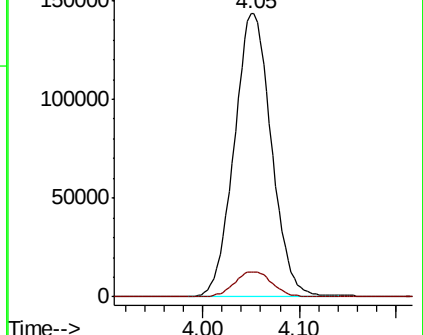
76 100

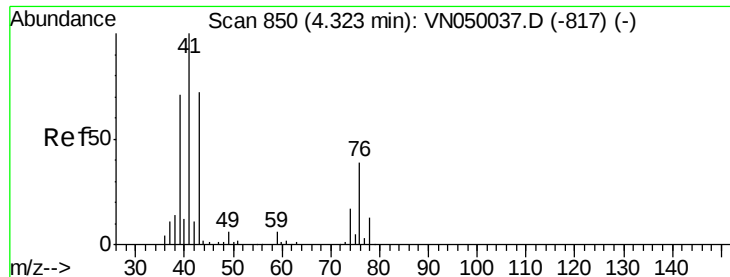
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





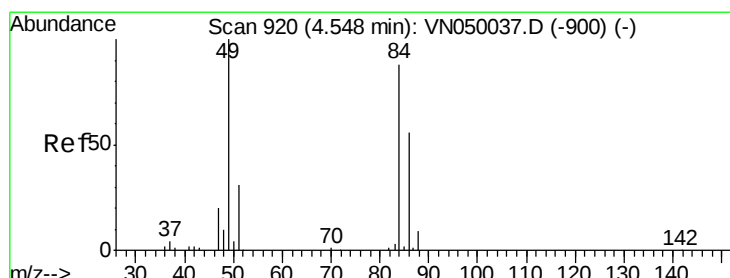
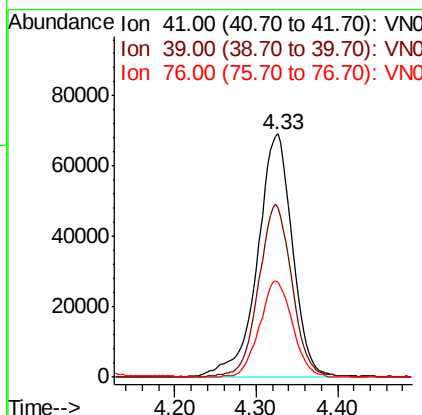
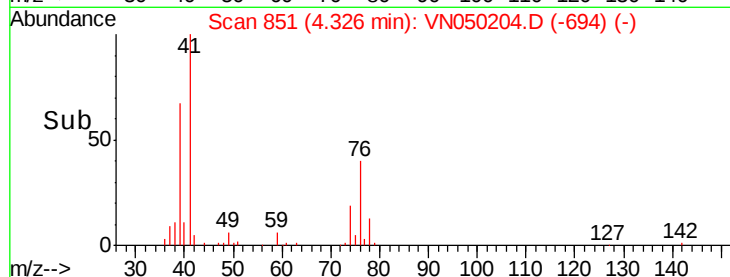
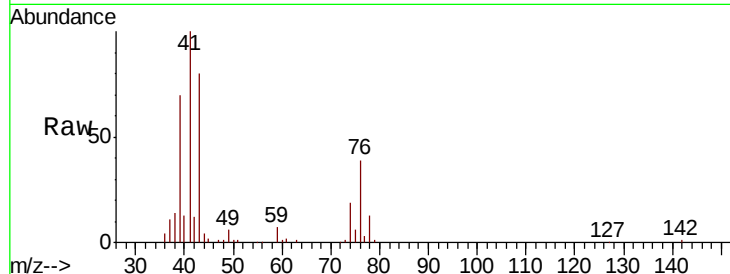
#17
Allvl chloride
Concen: 19.286 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.8	35.4	106.3
76	38.5	19.7	59.1

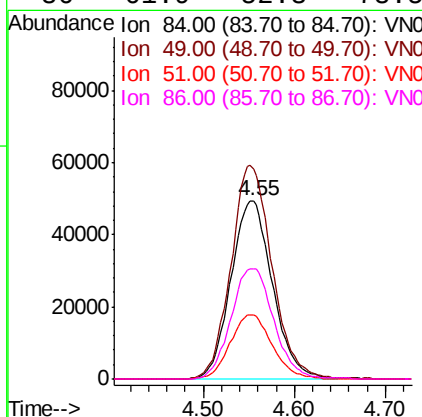
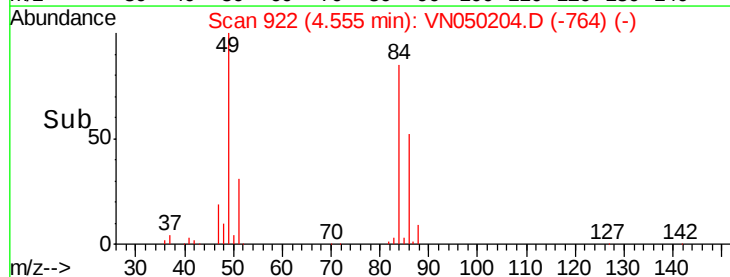
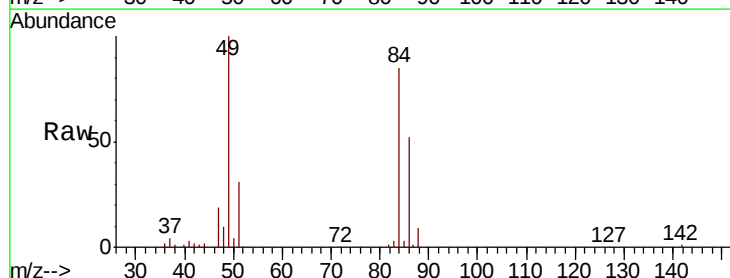
Manual Integrations
APPROVED

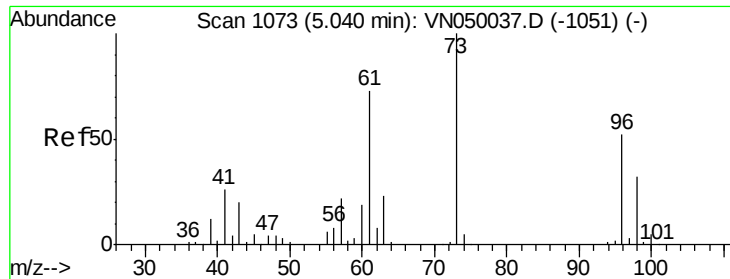
MMDadoda
8/1/2018 11:13:55 AM



#18
Methylene Chloride
Concen: 20.026 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.01 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.0	95.1	142.7
51	36.1	28.8	43.2
86	61.9	52.3	78.5





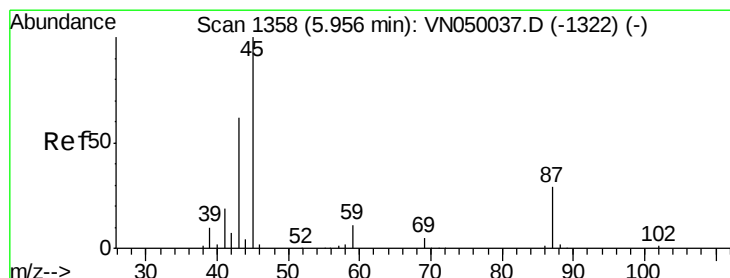
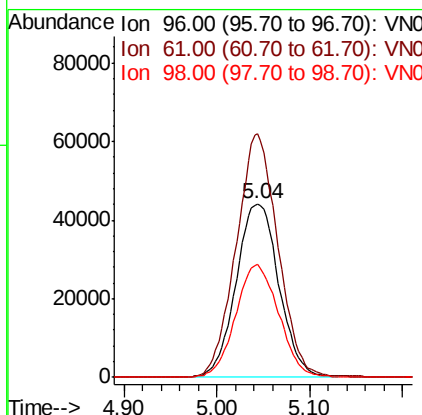
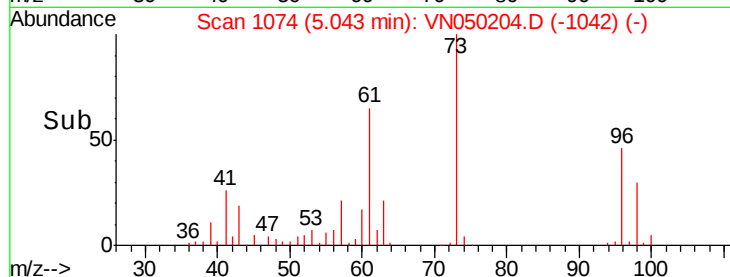
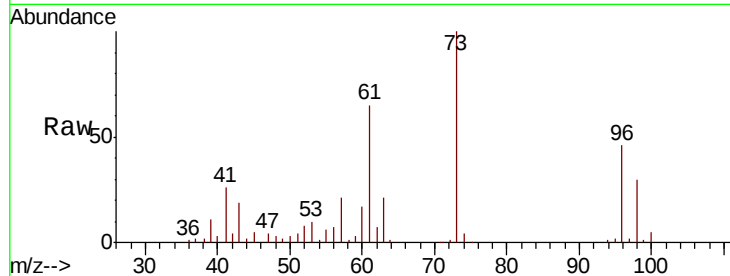
#19
trans-1,2-Dichloroethene
Concen: 19.452 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Instrument :
MSVOA_N
ClientSampled :
VN0731WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.2	112.1	168.1
98	64.8	51.3	76.9

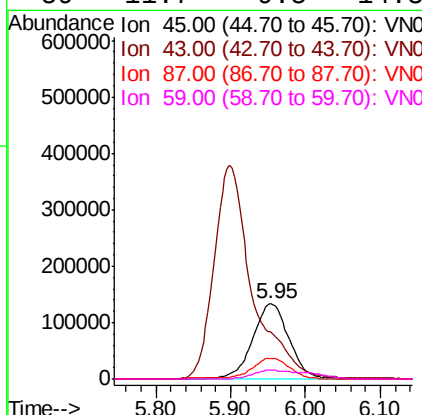
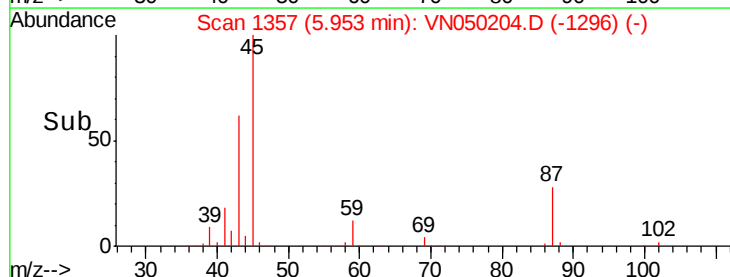
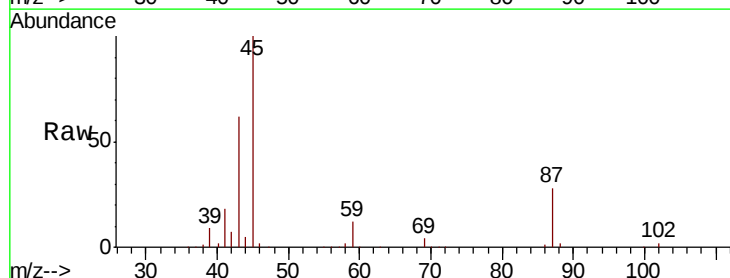
Manual Integrations
APPROVED

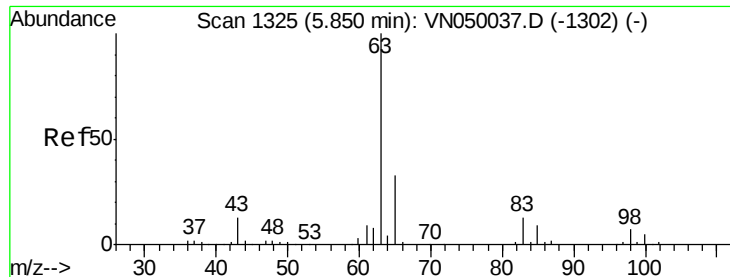
MMDadoda
8/1/2018 11:13:55 AM



#20
Diisopropyl ether
Concen: 20.452 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.7	46.6	70.0
87	27.6	22.3	33.5
59	11.7	9.5	14.3





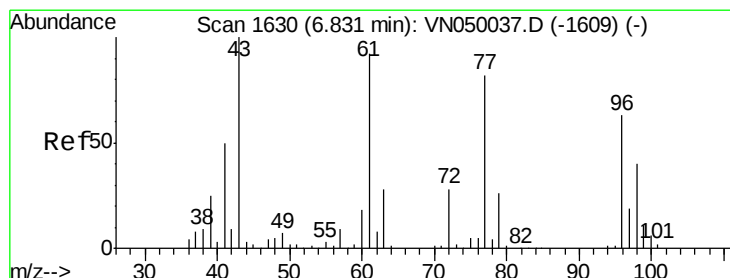
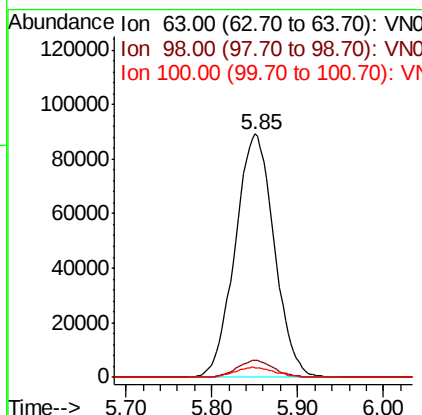
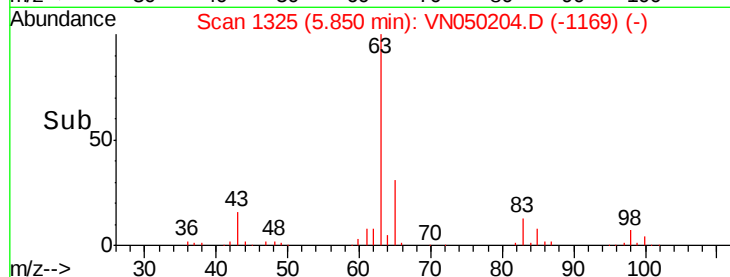
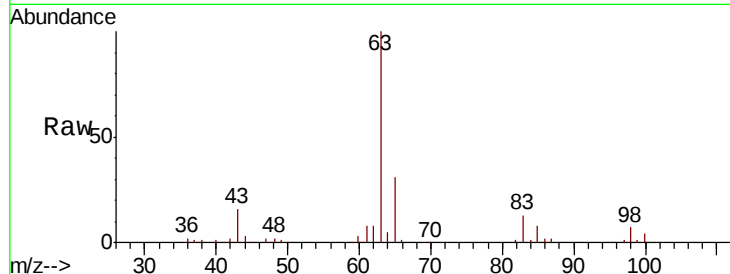
#21
 1,1-Dichloroethane
 Concen: 20.328 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	281395		
98	6.8		3.5	10.6
100	4.1		2.3	6.8

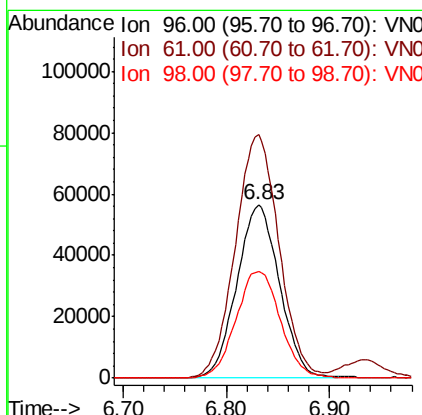
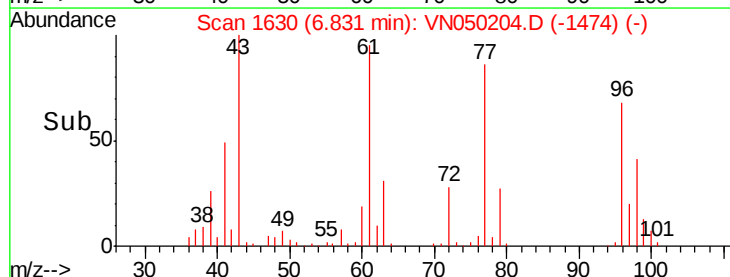
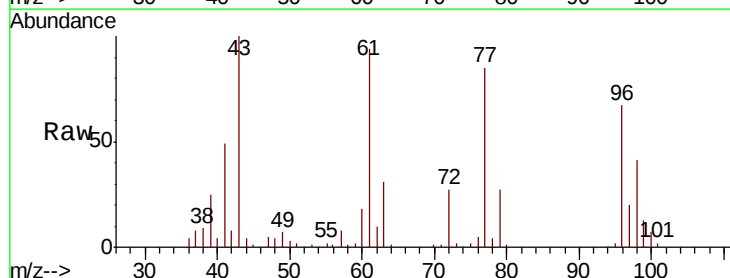
Manual Integrations
 APPROVED

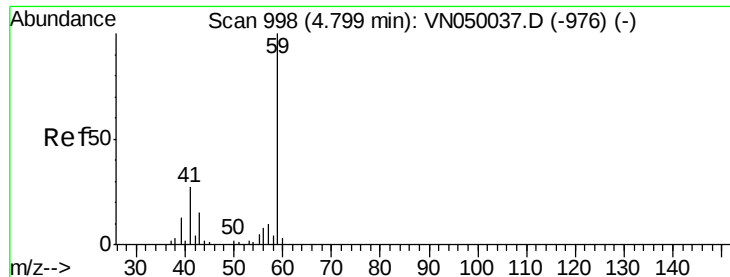
MMDadoda
 8/1/2018 11:13:55 AM



#22
 cis-1,2-Dichloroethene
 Concen: 20.143 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	162595		
61	144.0		114.2	171.2
98	64.3		51.7	77.5





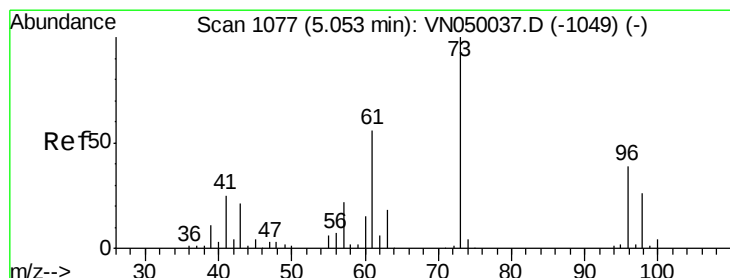
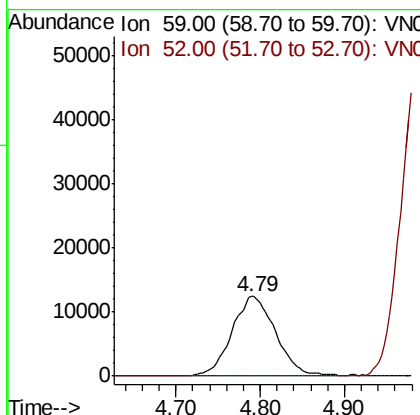
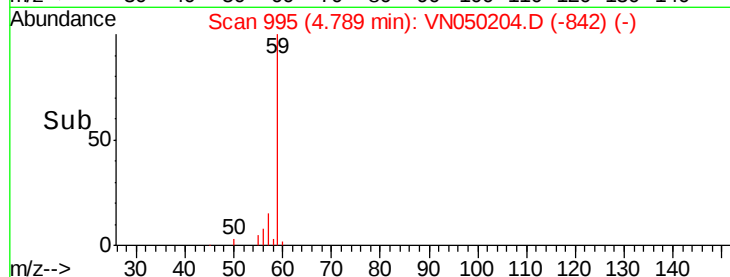
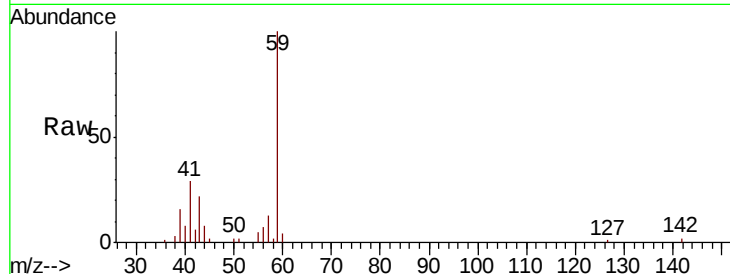
#23
tert-Butyl Alcohol
Concen: 77.412 ug/l m
RT: 4.79 min Scan# 995
Delta R.T. -0.01 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Instrument :
MSVOA_N
ClientSampled :
VN0731WBS01

Tot Ion: 59 Resp: 44952
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#

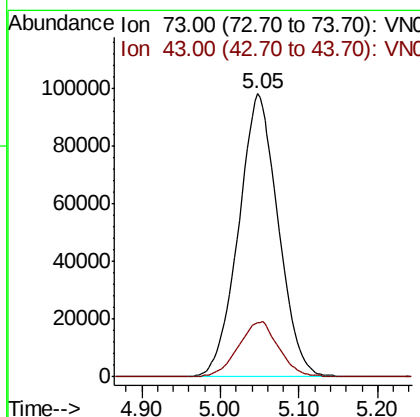
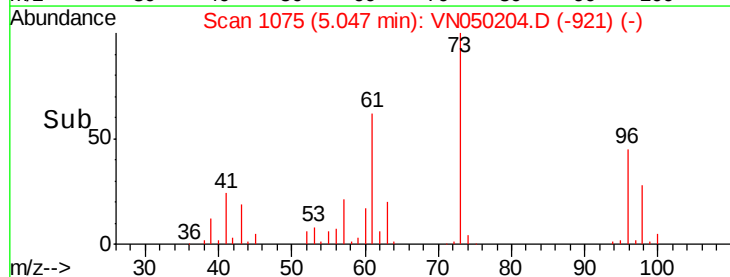
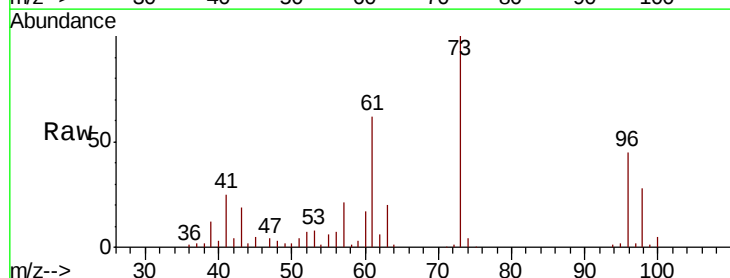
Manual Integrations
APPROVED

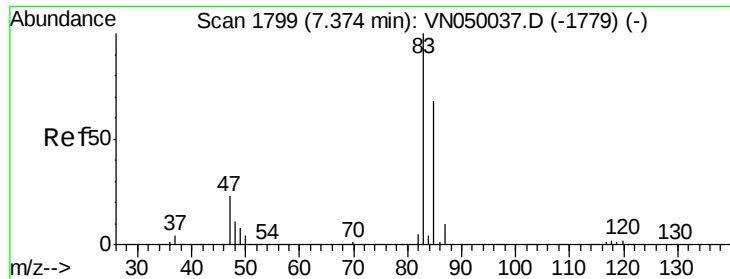
MMDadoda
8/1/2018 11:13:55 AM



#24
Methyl tert-Butyl Ether
Concen: 18.711 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Tgt Ion: 73 Resp: 346932
Ion Ratio Lower Upper
73 100
43 20.0 15.5 23.3





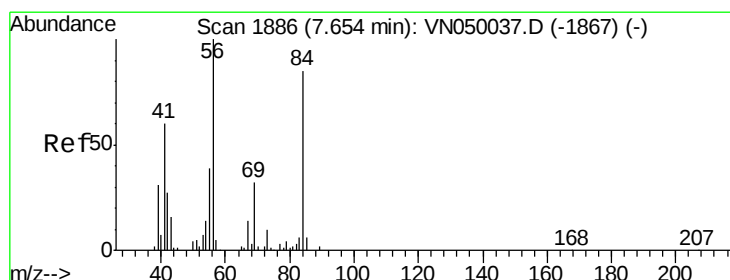
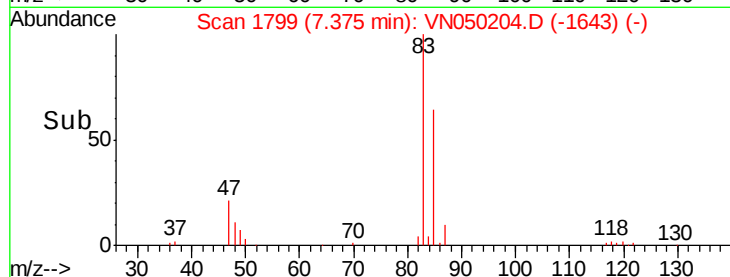
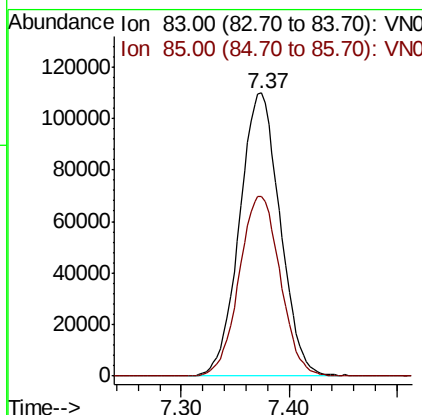
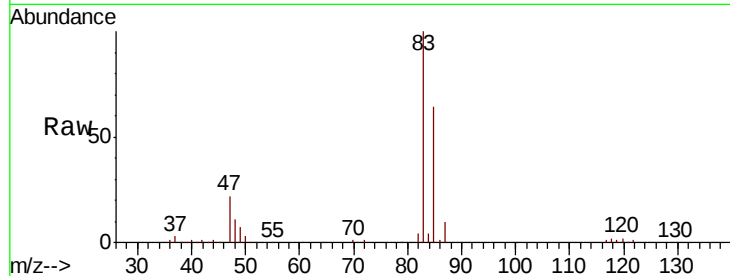
#25
Chloroform
Concen: 20.483 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Instrument :
MSVOA_N
ClientSampled :
VN0731WBS01

Tot Ion	83	Resp	287036
Ion Ratio	100	Lower	Upper
85	63.6	52.1	78.1

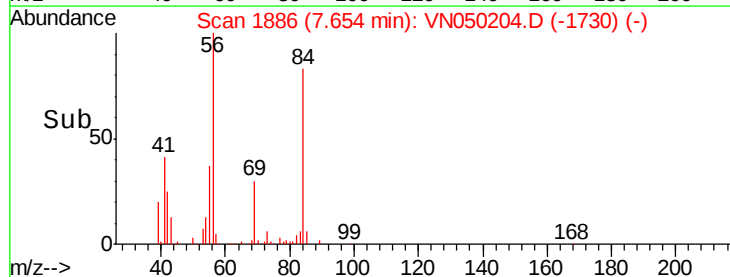
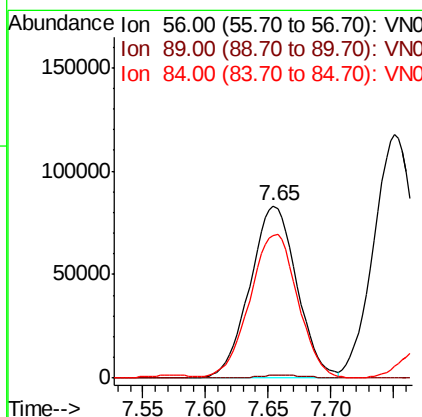
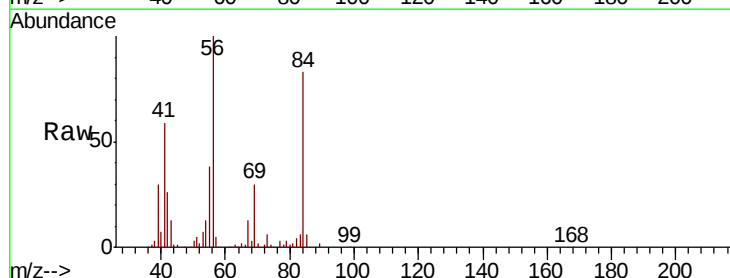
Manual Integrations
APPROVED

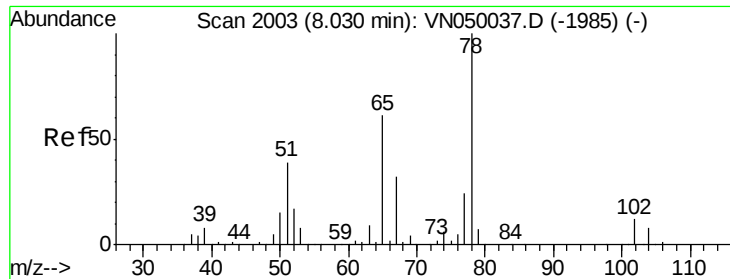
MMDadoda
8/1/2018 11:13:55 AM



#26
Cyclohexane
Concen: 19.744 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Tgt Ion	56	Resp	217193
Ion Ratio	100	Lower	Upper
89	1.7	3.0	4.4#
84	85.7	69.8	104.8





#27

1,2-Dichloroethane-d4

Concen: 30.181 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampled :

VN0731WBS01

Tot Ion: 65 Resp: 261596

Ion Ratio Lower Upper

65 100

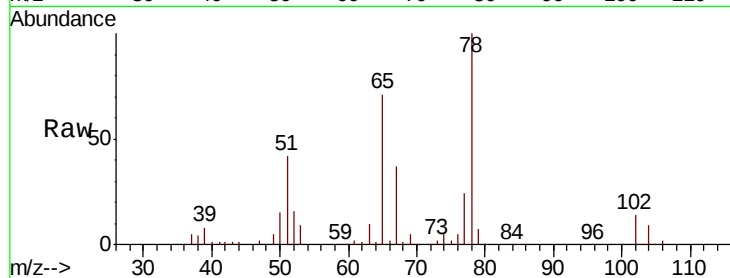
67 53.6 42.7 64.1

Manual Integrations

APPROVED

MMDadoda

8/1/2018 11:13:55 AM



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

8.03

120000

100000

80000

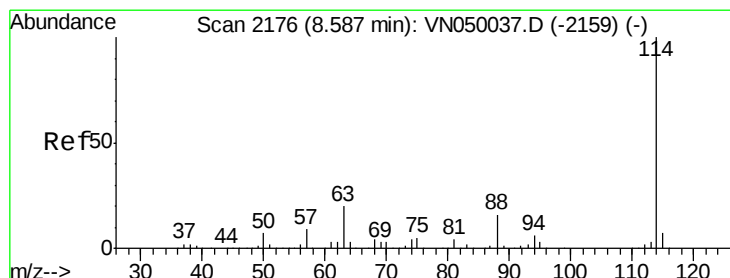
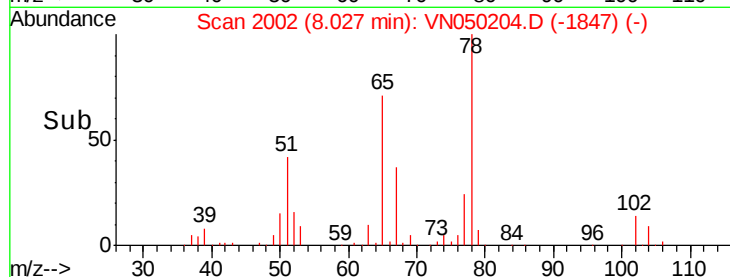
60000

40000

20000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

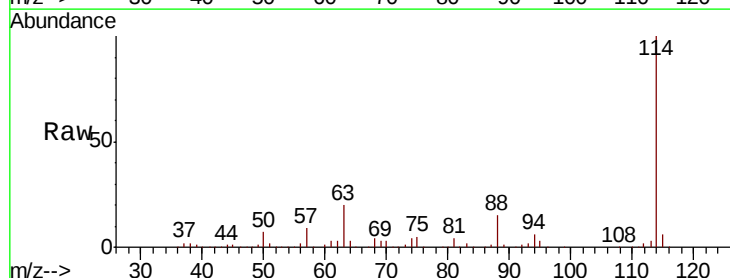
Tgt Ion: 114 Resp: 704962

Ion Ratio Lower Upper

114 100

63 19.7 16.2 24.2

88 15.1 12.3 18.5



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

8.59

400000

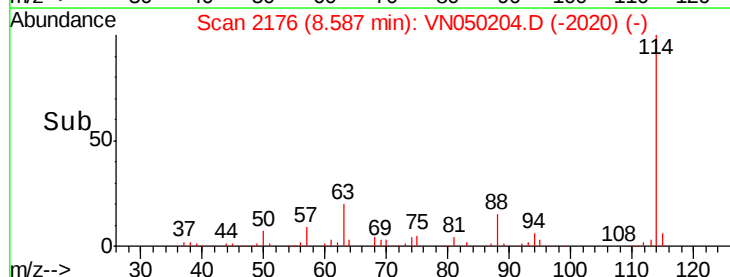
300000

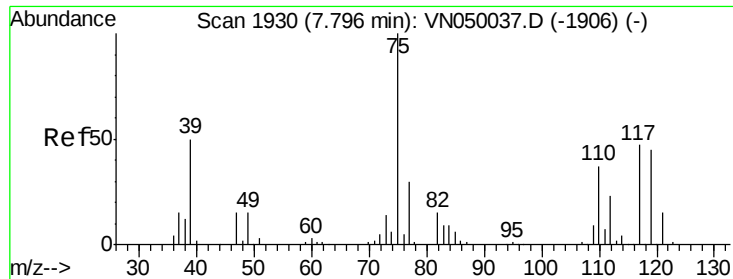
200000

100000

0

Time-->





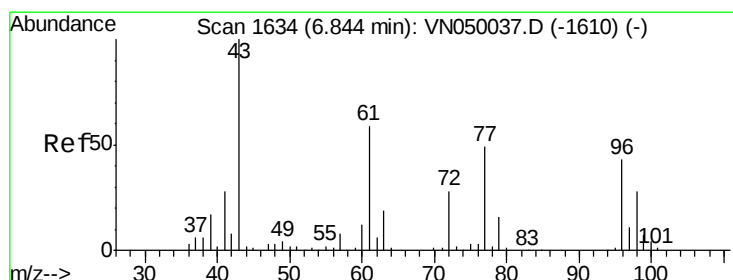
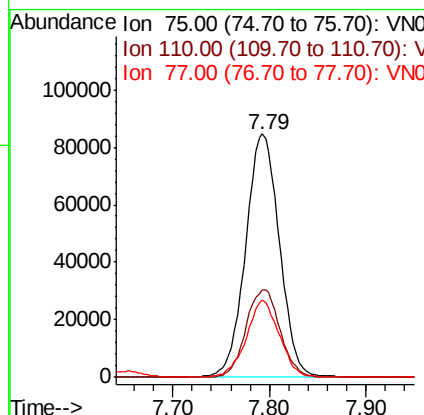
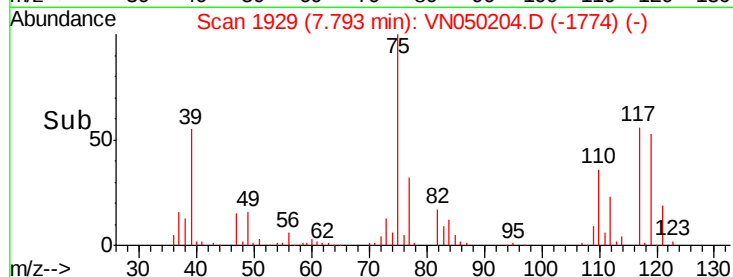
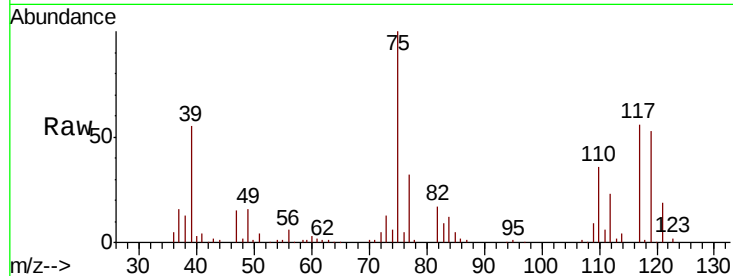
#29
 1,1-Dichloropropene
 Concen: 18.825 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.2	0.0	73.2
77	31.0	0.0	62.0

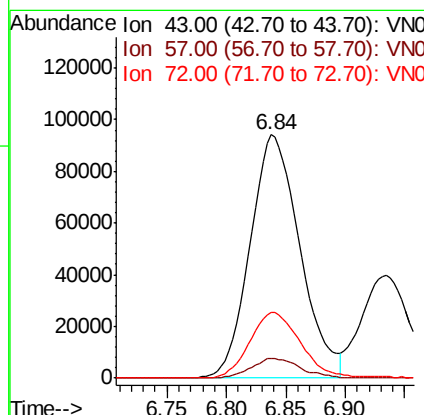
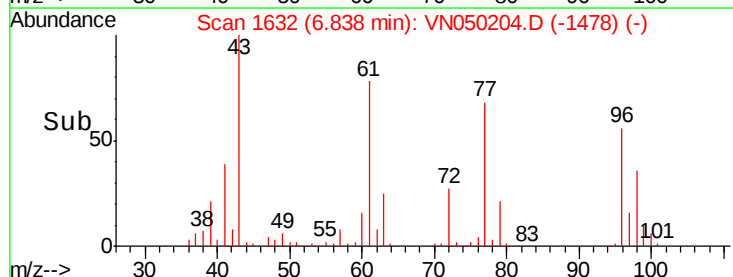
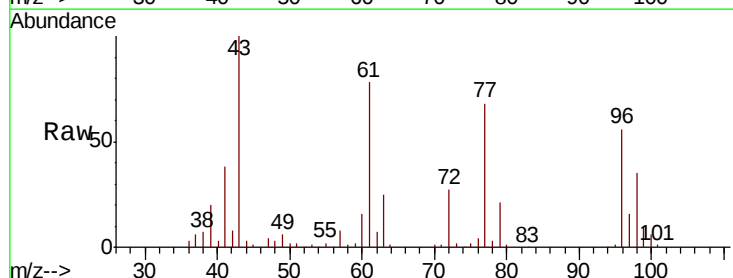
Manual Integrations
 APPROVED

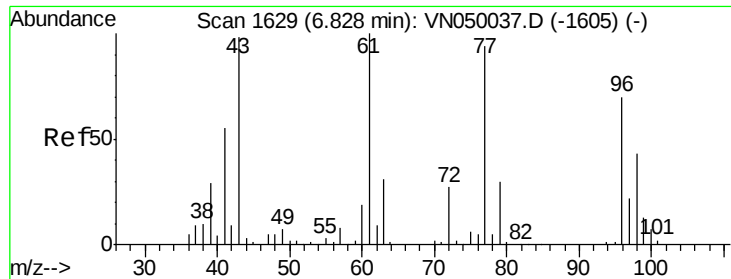
MMDadoda
 8/1/2018 11:13:55 AM



#30
 2-Butanone
 Concen: 79.105 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. -0.01 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.0	6.8	10.2
72	27.4	21.4	32.0





#31

2,2-Dichloropropane

Concen: 19.073 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampled :

VN0731WBS01

Tot Ion: 77 Resp: 230649

Ion Ratio Lower Upper

77 100

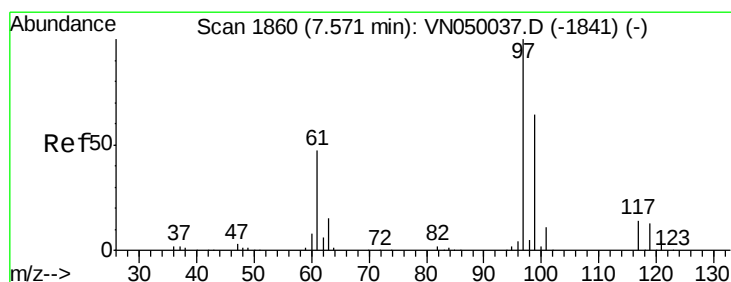
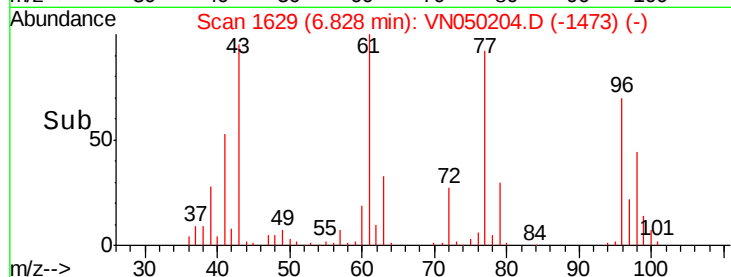
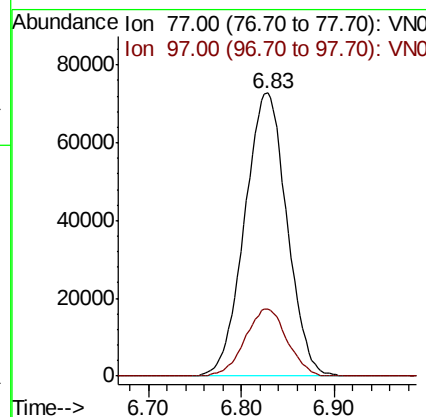
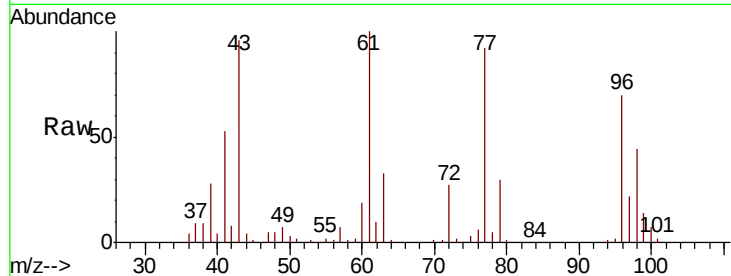
97 23.6 18.9 28.3

Manual Integrations

APPROVED

MMDadoda

8/1/2018 11:13:55 AM



#32

1,1,1-Trichloroethane

Concen: 18.641 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

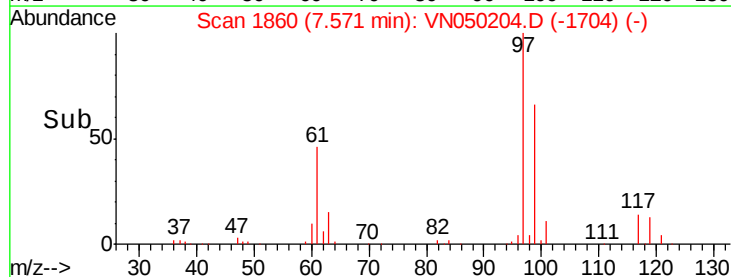
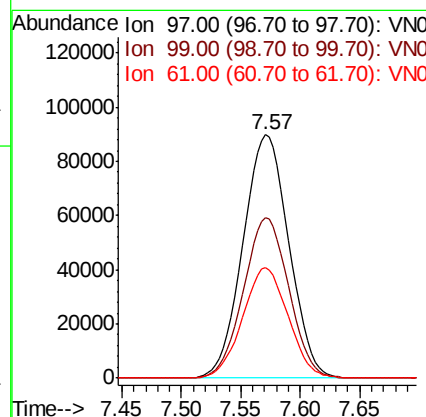
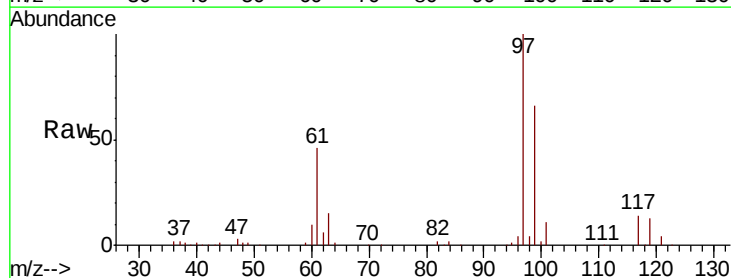
Tgt Ion: 97 Resp: 240046

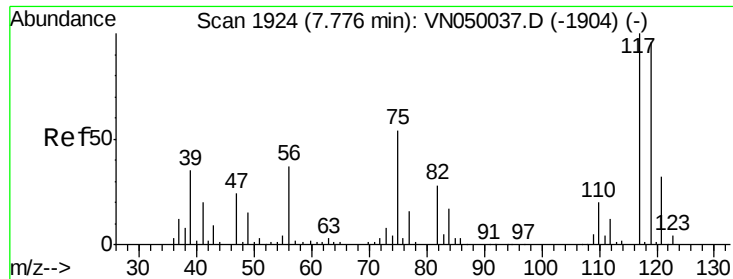
Ion Ratio Lower Upper

97 100

99 65.2 51.2 76.8

61 45.2 35.3 52.9





#33

Carbon Tetrachloride

Concen: 18.813 ug/l

RT: 7.77 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

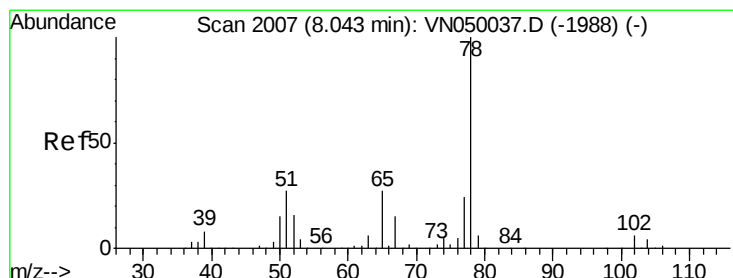
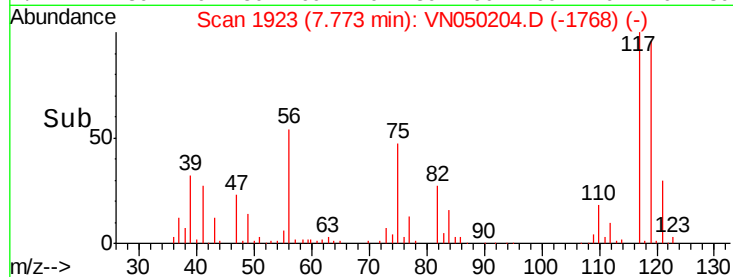
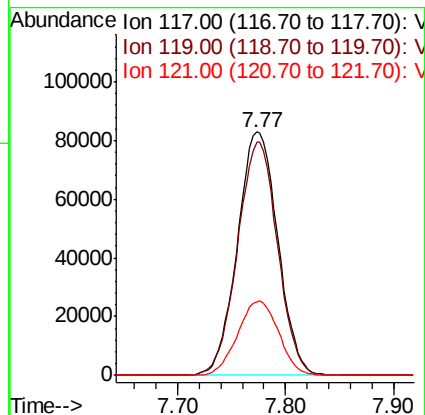
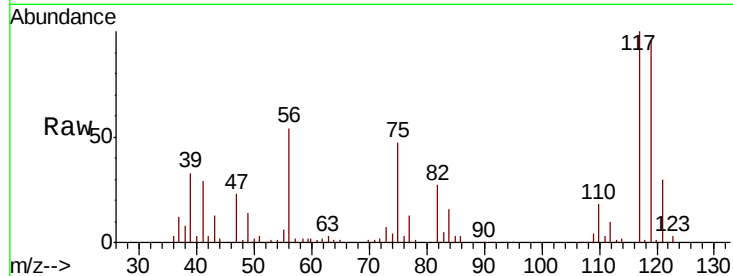
ClientSampled :

VN0731WBS01

Tot Ion:	117	Resp:	215962
Ion Ratio	Lower	Upper	
117	100		
119	96.0	76.9	115.3
121	30.1	24.4	36.6

Manual Integrations
APPROVED

MMDadoda
8/1/2018 11:13:55 AM



#34

Benzene

Concen: 19.129 ug/l

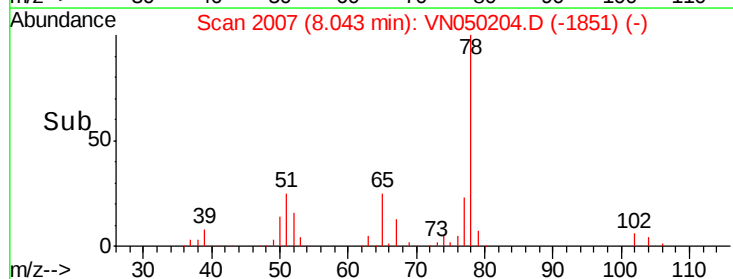
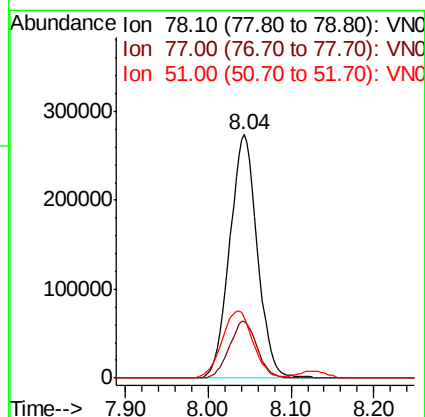
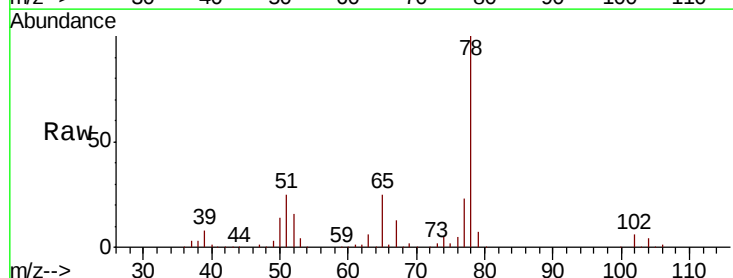
RT: 8.04 min Scan# 2007

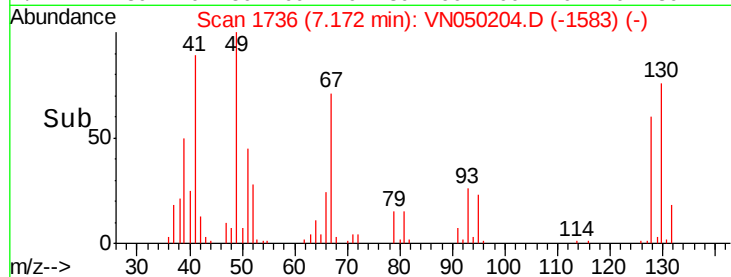
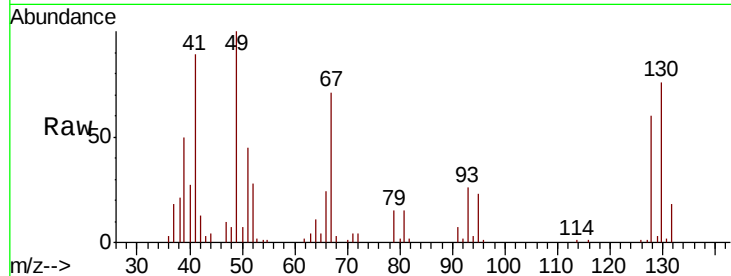
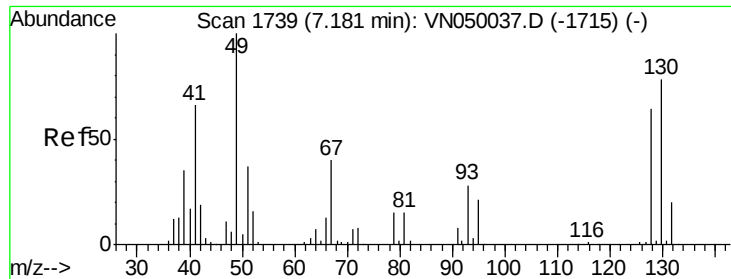
Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Tgt Ion:	78	Resp:	635573
Ion Ratio	Lower	Upper	
78	100		
77	23.2	19.1	28.7
51	24.8	21.0	31.4





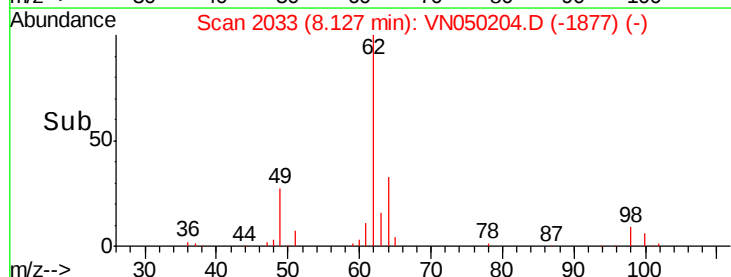
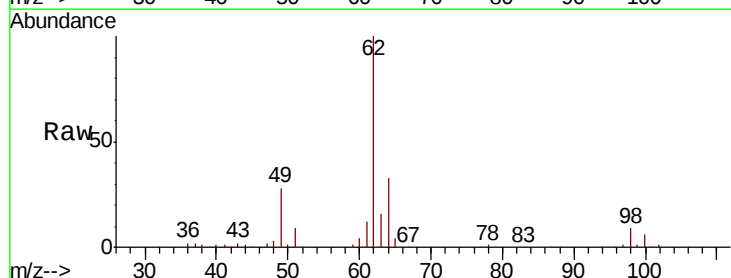
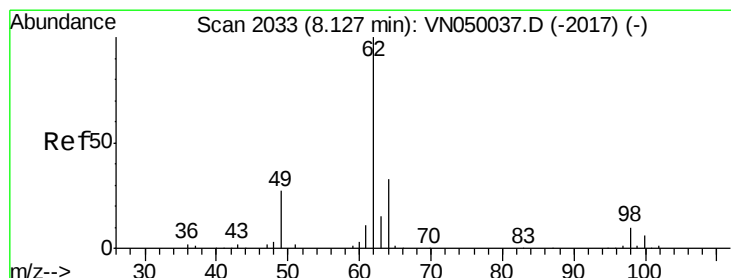
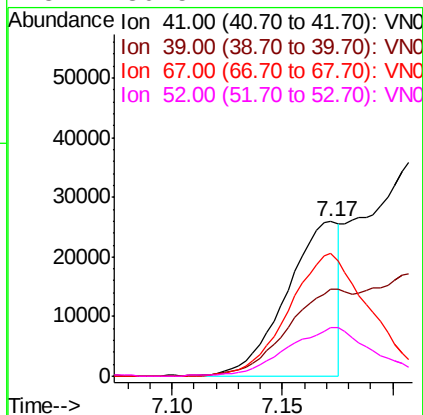
#35
Methacrylonitrile
Concen: 10.923 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.4	27.6	82.7
67	79.8	35.1	105.5
52	30.5	14.1	42.4

Instrument :
MSVOA_N
ClientSampled :
VN0731WBS01

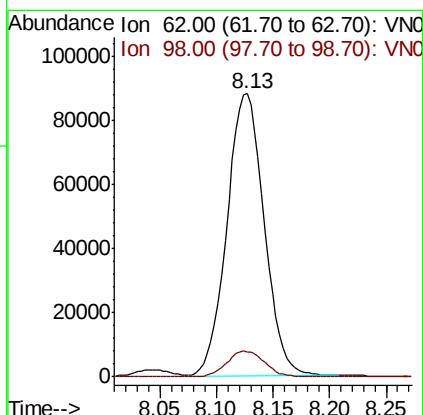
Manual Integrations
APPROVED

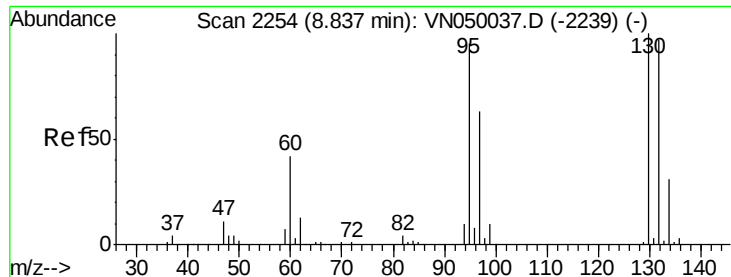
MMDadoda
8/1/2018 11:13:55 AM



#36
1,2-Dichloroethane
Concen: 18.457 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	7.8	11.6





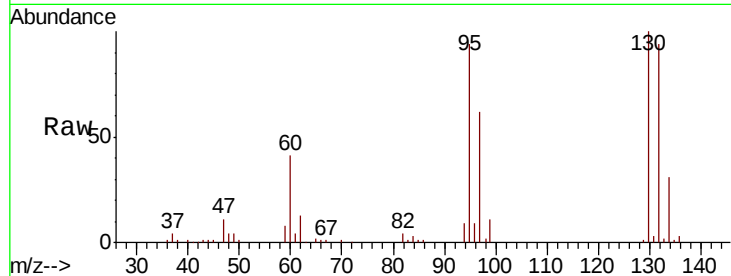
#37
 Trichloroethene
 Concen: 18.810 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS01

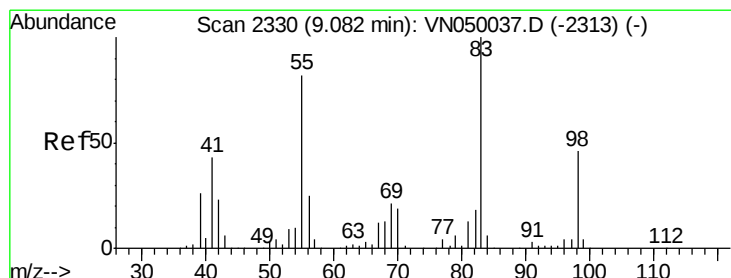
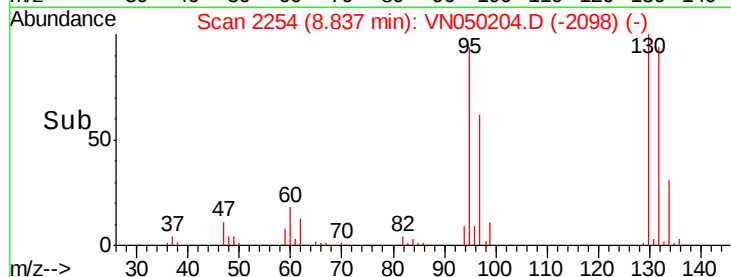
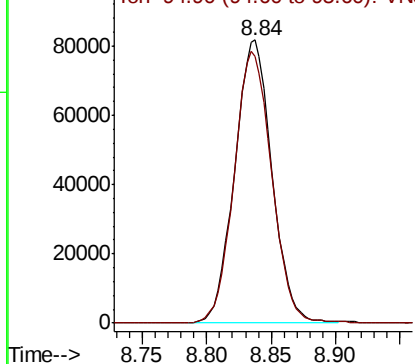
Tot Ion:130 Resp: 163914
 Ion Ratio Lower Upper
 130 100
 95 94.1 79.7 119.5

Manual Integrations
 APPROVED

MMDadoda
 8/1/2018 11:13:55 AM

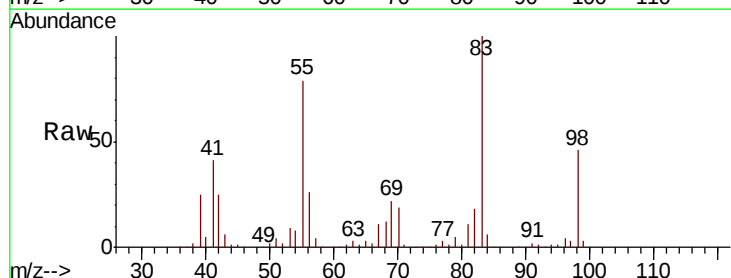


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

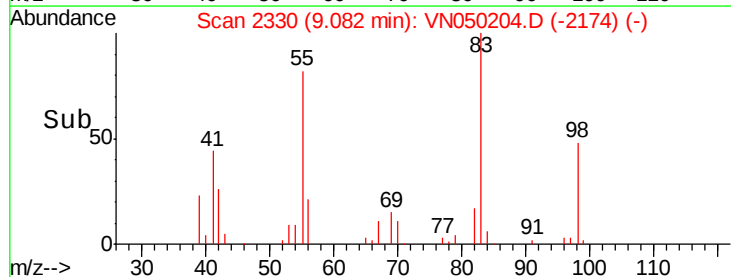
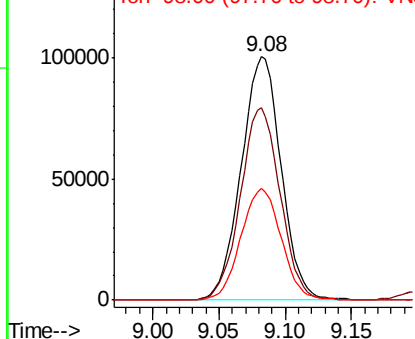


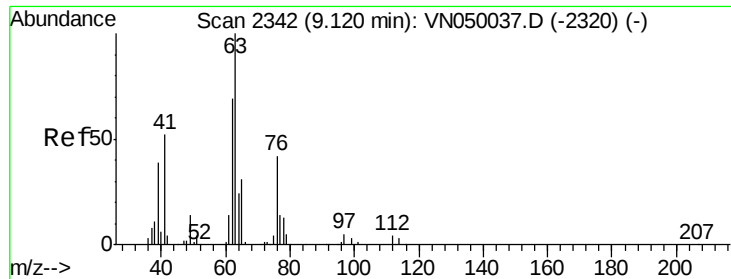
#38
 Methylcyclohexane
 Concen: 18.299 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Tgt Ion: 83 Resp: 211058
 Ion Ratio Lower Upper
 83 100
 55 78.8 39.3 117.8
 98 46.4 23.0 69.0



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





#39

1,2-Dichloropropane

Concen: 19.514 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampled :

VN0731WBS01

Tot Ion: 63 Resp: 170798

Ion Ratio Lower Upper

63 100

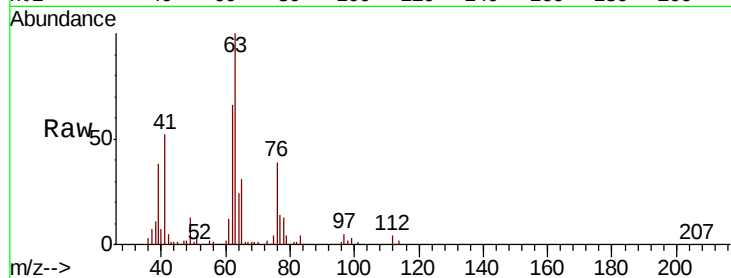
65 30.4 24.2 36.2

Manual Integrations

APPROVED

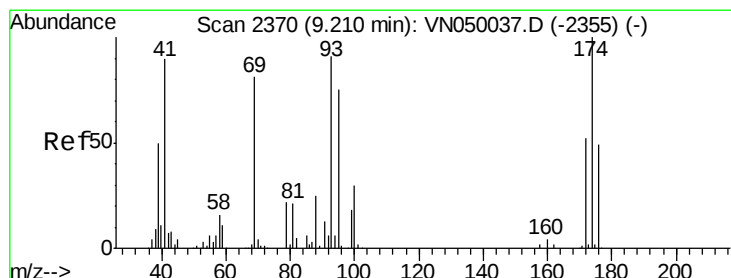
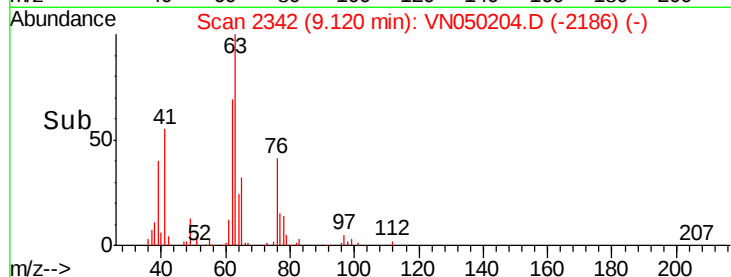
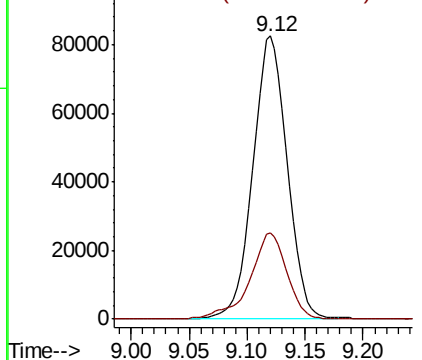
MMDadoda

8/1/2018 11:13:55 AM



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 18.127 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

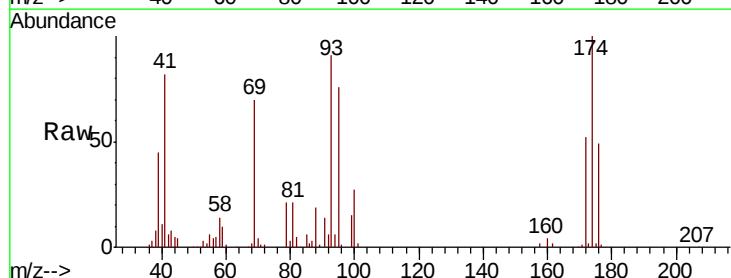
Tgt Ion: 93 Resp: 98058

Ion Ratio Lower Upper

93 100

95 83.5 0.0 165.6

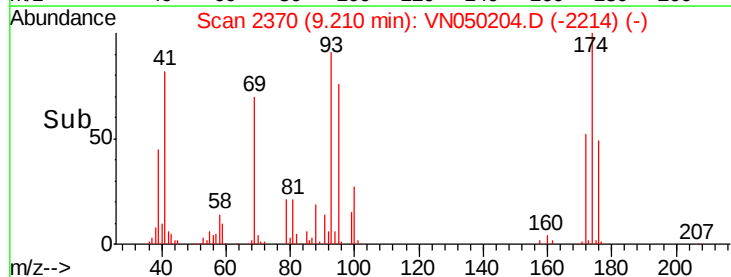
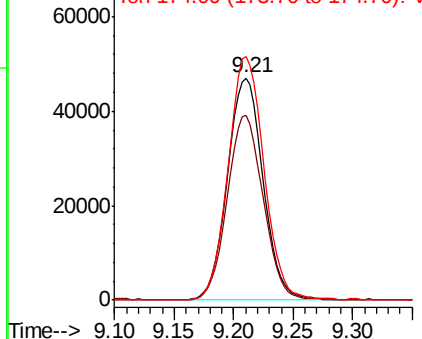
174 109.6 0.0 223.2

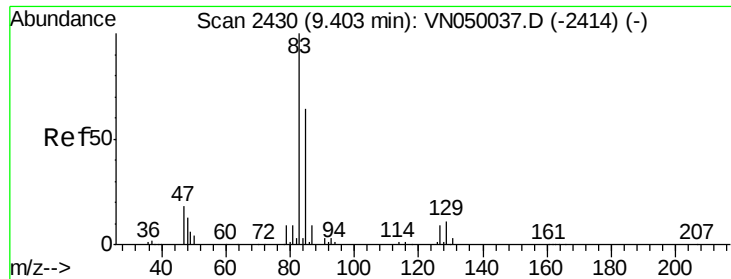


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 18.889 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

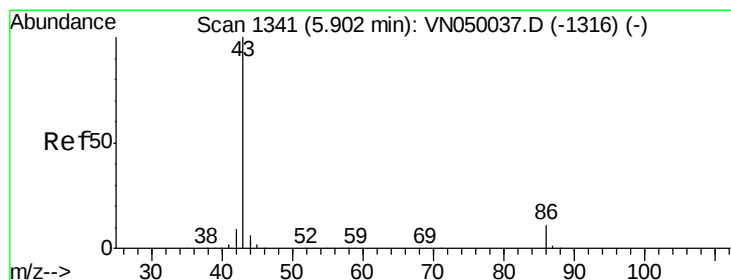
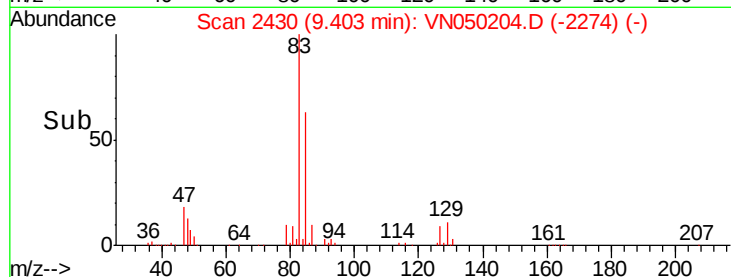
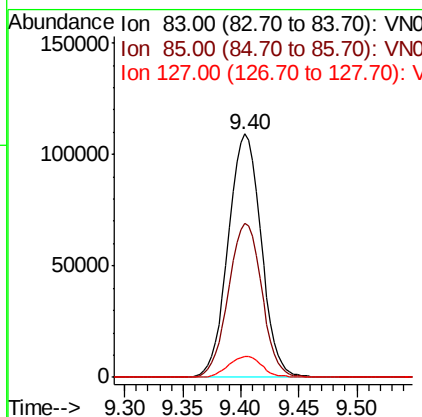
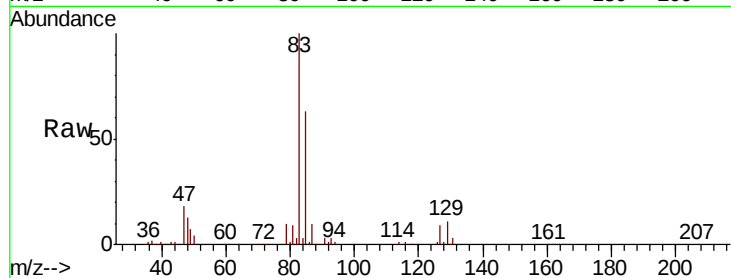
ClientSampleId :

VN0731WBS01

Tot Ion:	83	Resp:	215544
Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.6	78.8
127	8.7	7.0	10.4

Manual Integrations
APPROVED

MMDadoda
8/1/2018 11:13:55 AM



#42

Vinyl Acetate

Concen: 83.551 ug/l

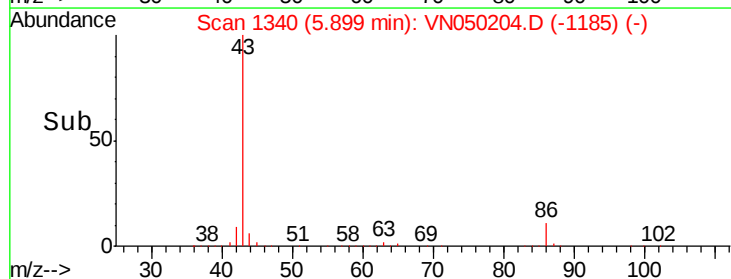
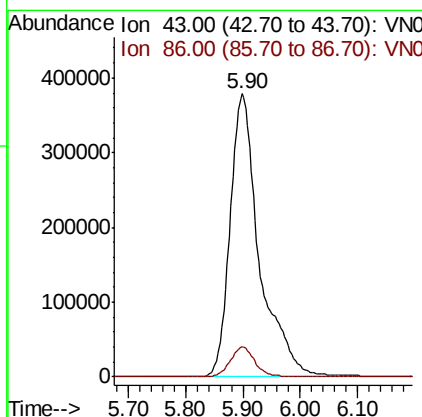
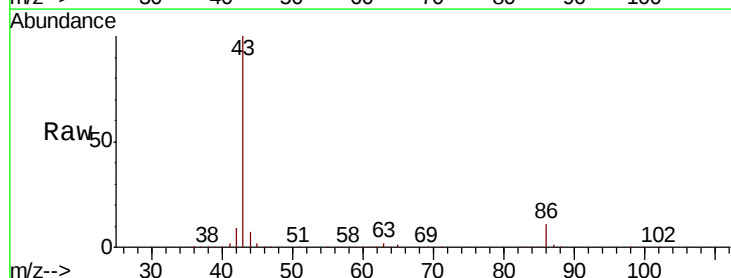
RT: 5.90 min Scan# 1340

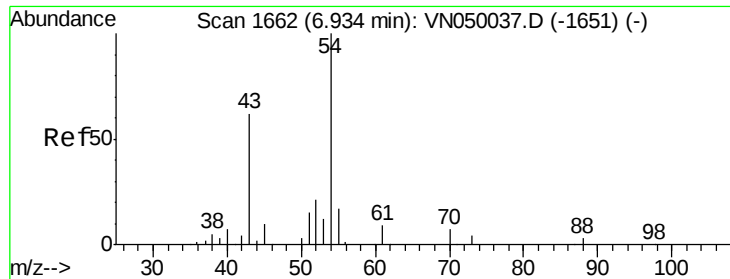
Delta R.T. -0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Tgt Ion:	43	Resp:	1349785
Ion	Ratio	Lower	Upper
43	100		
86	8.8	7.3	10.9





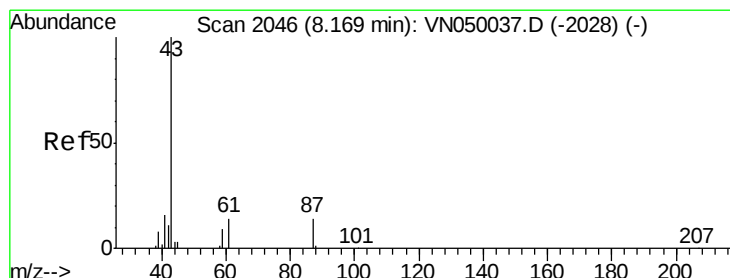
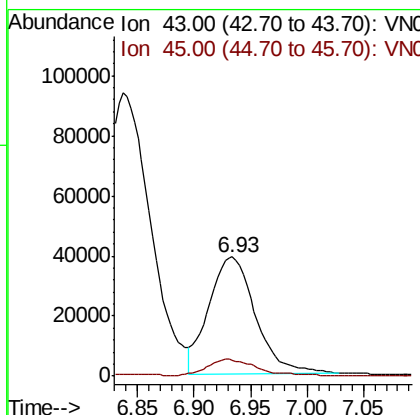
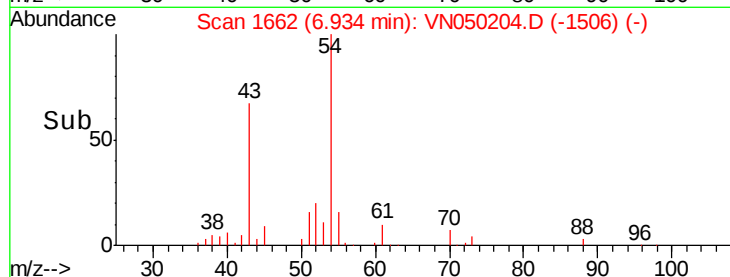
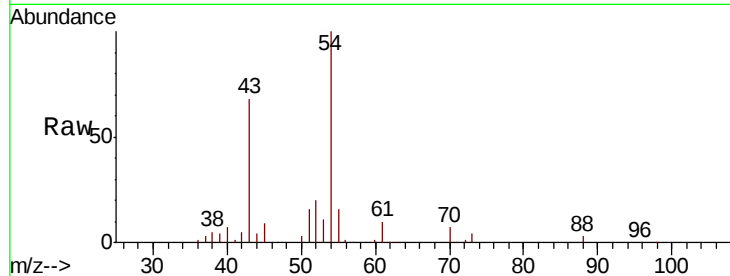
#43
Ethyl Acetate
Concen: 15.473 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Instrument :
MSVOA_N
ClientSampled :
VN0731WBS01

Tot Ion: 43 Resp: 110921
Ion Ratio Lower Upper
43 100
45 14.6 13.0 19.6

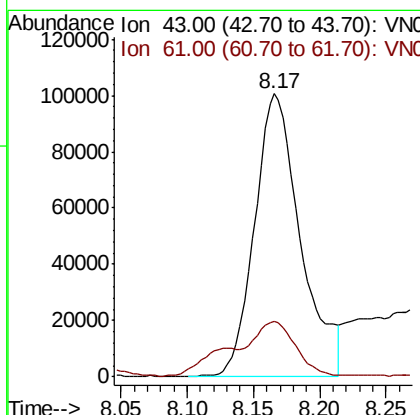
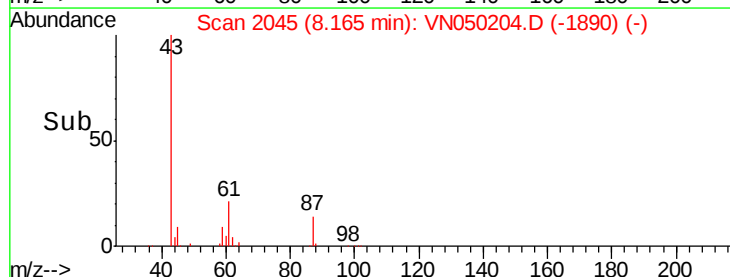
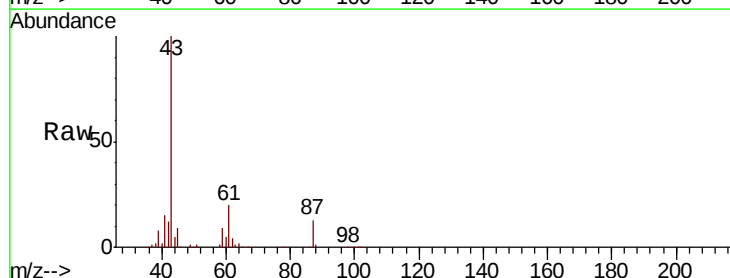
Manual Integrations
APPROVED

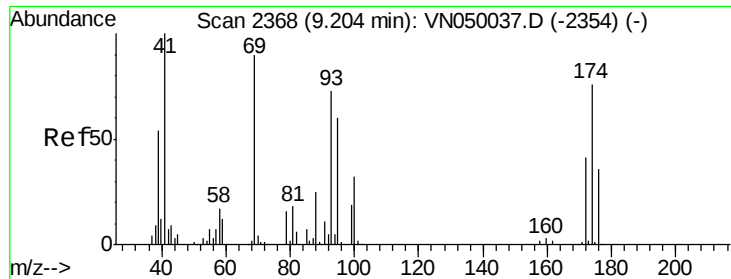
MMDadoda
8/1/2018 11:13:55 AM



#44
Isopropyl Acetate
Concen: 18.177 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. -0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Tgt Ion: 43 Resp: 241390
Ion Ratio Lower Upper
43 100
61 16.7 16.4 24.6





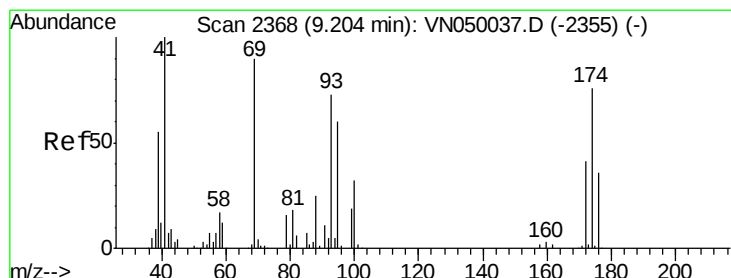
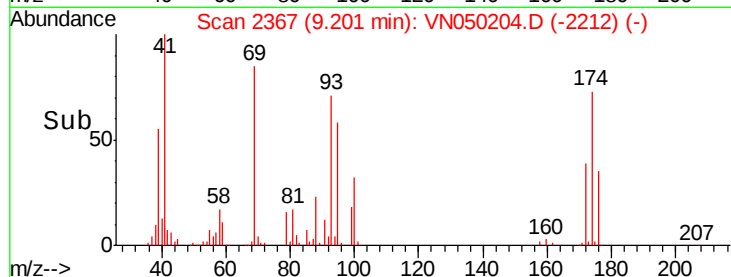
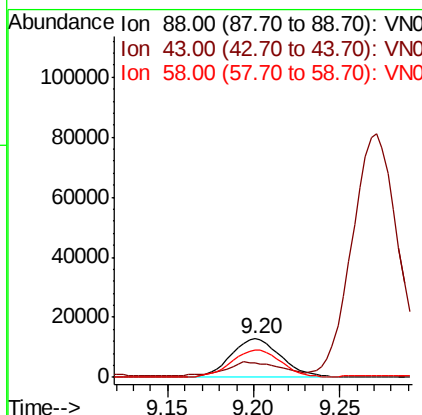
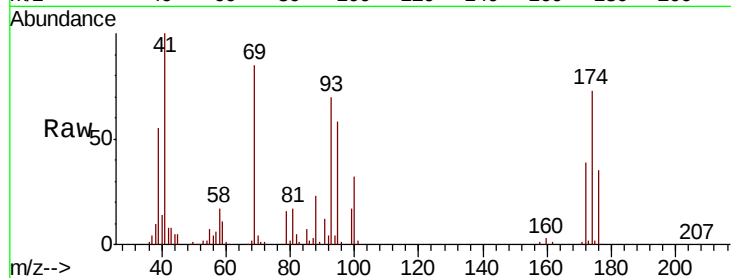
#45
1,4-Dioxane
Concen: 297.843 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Instrument :
MSVOA_N
ClientSampled :
VN0731WBS01

Tot Ion	88	Resp	26028
Ion	Ratio	Lower	Upper
88	100		
43	37.0	26.9	40.3
58	71.4	53.6	80.4

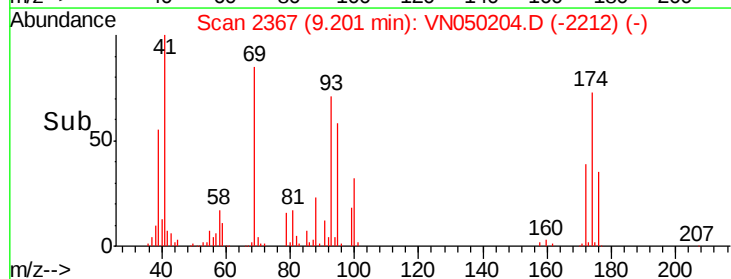
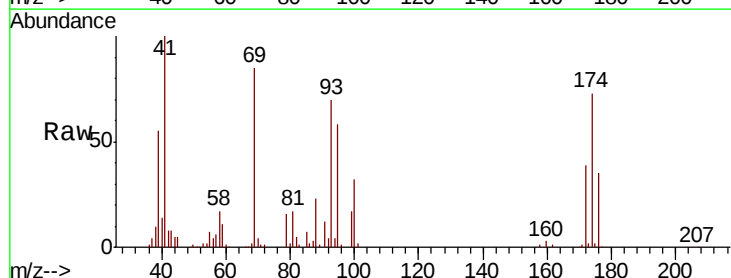
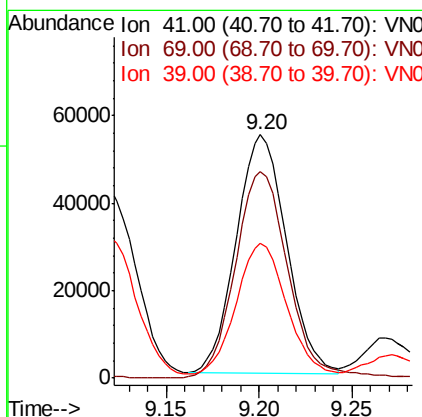
Manual Integrations
APPROVED

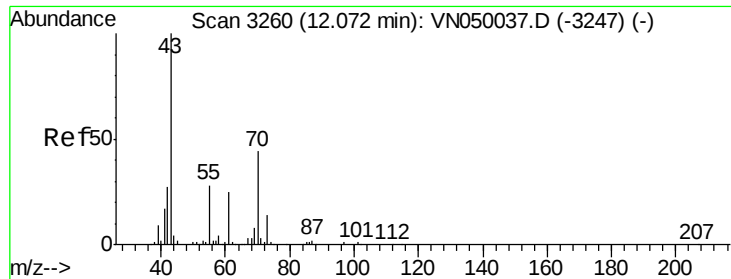
MMDadoda
8/1/2018 11:13:55 AM



#46
Methyl methacrylate
Concen: 16.000 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Tgt Ion	41	Resp	103003
Ion	Ratio	Lower	Upper
41	100		
69	86.3	44.0	132.1
39	54.7	27.0	80.8





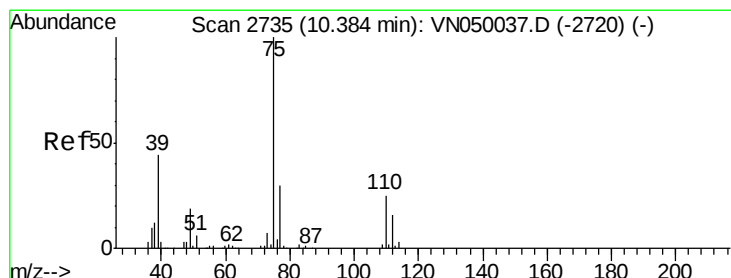
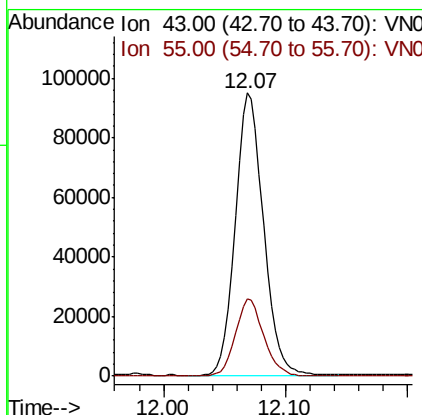
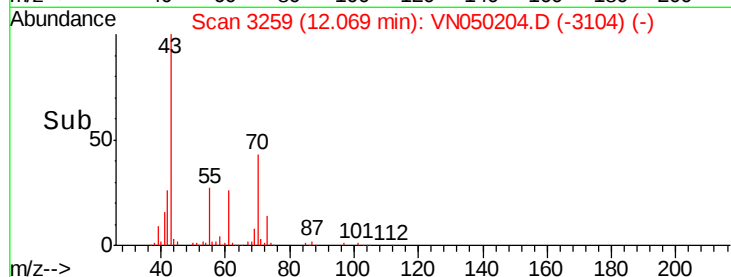
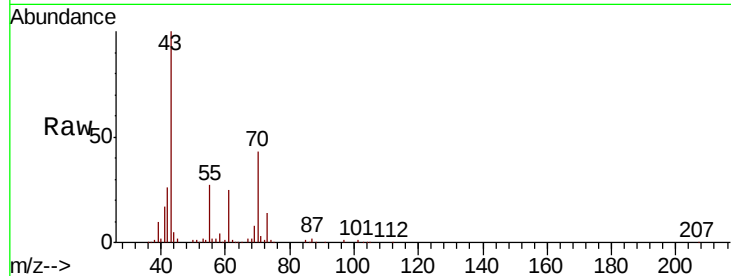
#47
n-amvl Acetate
Concen: 14.664 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Instrument :
MSVOA_N
ClientSampled :
VN0731WBS01

Tot Ion	43	Resp	151528
Ion Ratio	Lower	Upper	
43	100		
55	27.5	21.0	31.4

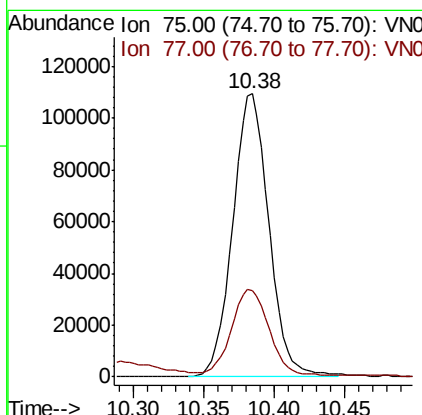
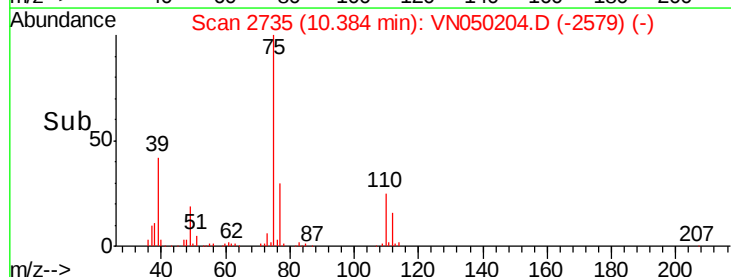
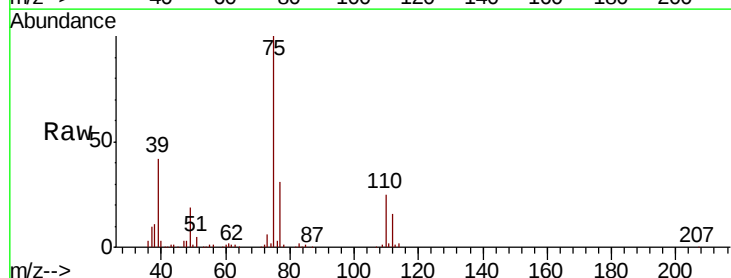
Manual Integrations
APPROVED

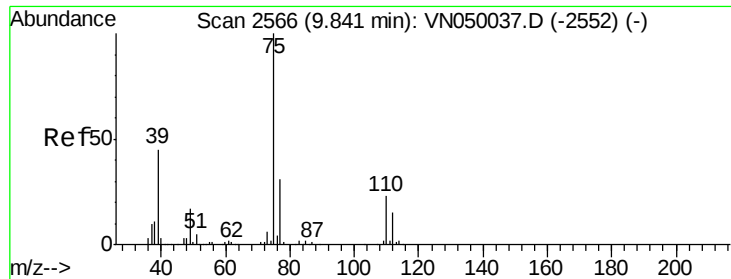
MMDadoda
8/1/2018 11:13:55 AM



#48
t-1,3-Dichloropropene
Concen: 18.095 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Tgt Ion	75	Resp	196807
Ion Ratio	Lower	Upper	
75	100		
77	30.0	24.6	37.0





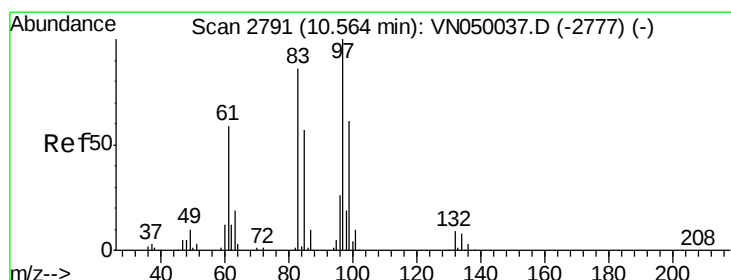
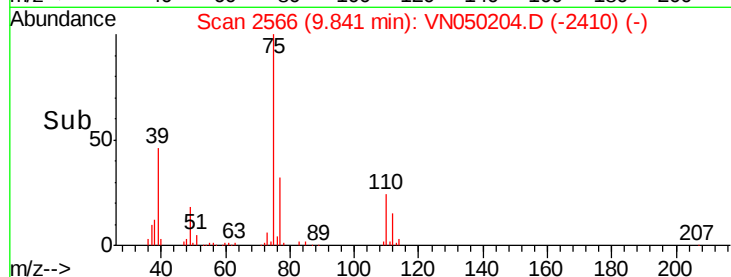
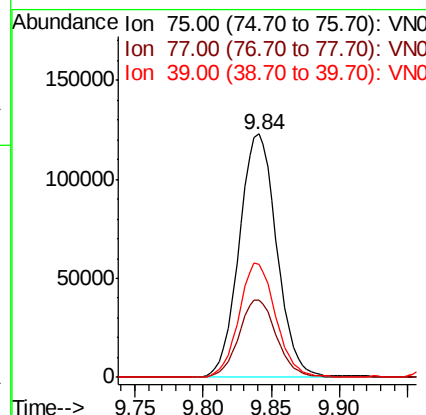
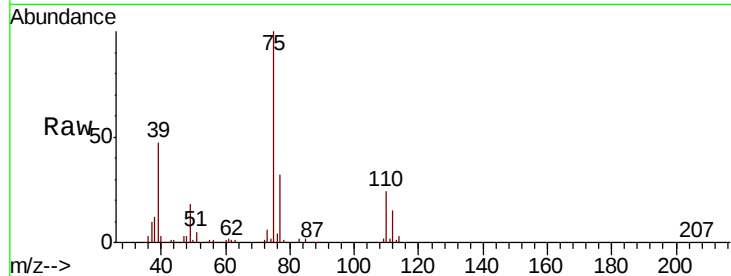
#49
 cis-1,3-Dichloropropene
 Concen: 18.419 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.7	38.5
39	46.5	36.3	54.5

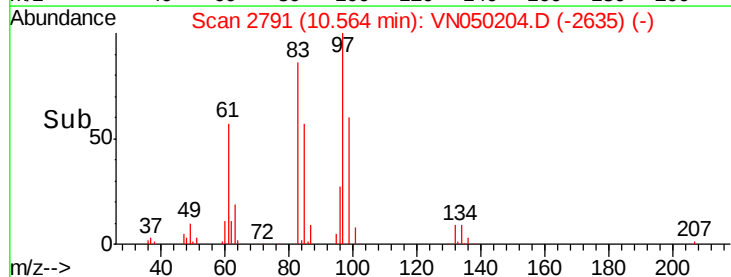
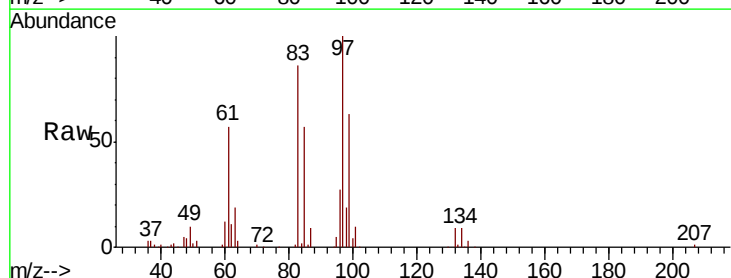
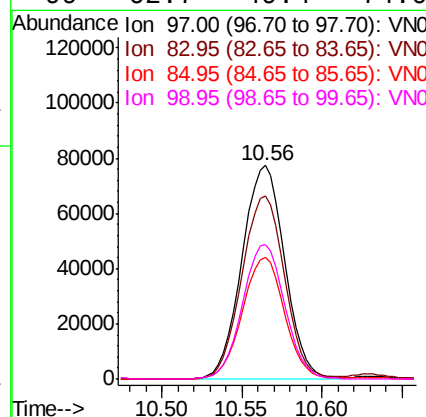
Manual Integrations
 APPROVED

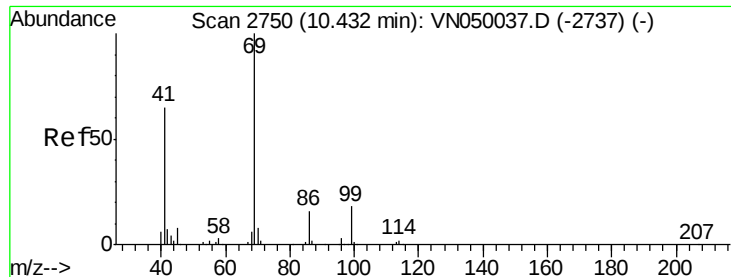
MMDadoda
 8/1/2018 11:13:55 AM



#50
 1,1,2-Trichloroethane
 Concen: 18.193 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.7	68.1	102.1
85	57.0	45.4	68.2
99	62.7	49.4	74.0





#51

Ethyl methacrylate

Concen: 16.108 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

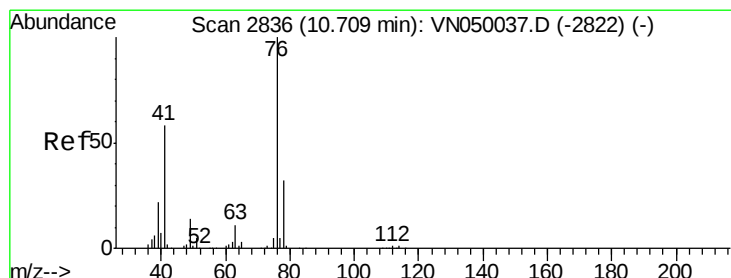
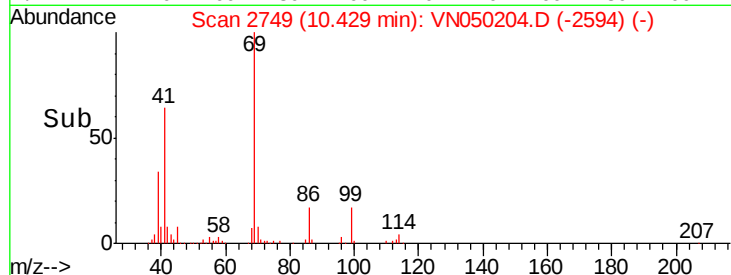
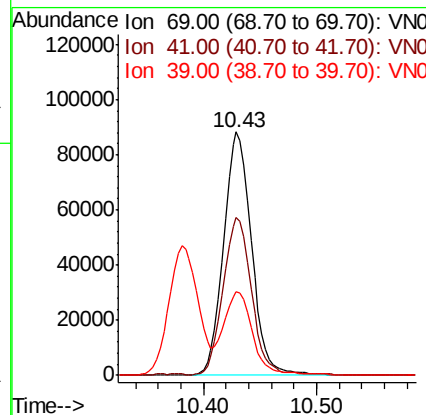
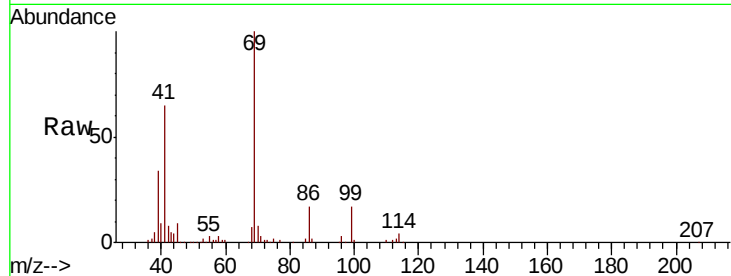
ClientSampled :

VN0731WBS01

Tot Ion:	69	Resp:	151816
Ion Ratio	Lower	Upper	
69	100		
41	64.5	31.9	95.9
39	33.9	16.7	50.1

Manual Integrations
APPROVED

MMDadoda
8/1/2018 11:13:55 AM



#52

1,3-Dichloropropane

Concen: 17.968 ug/l

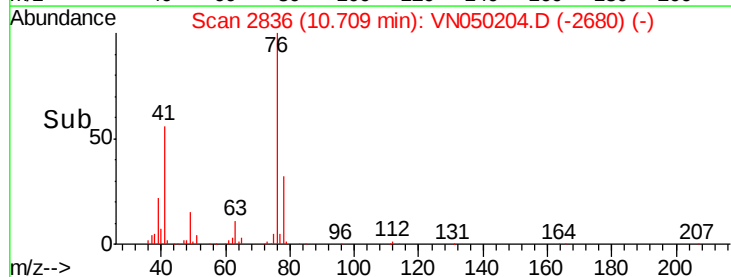
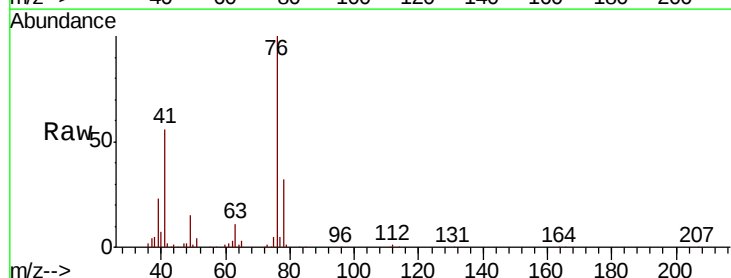
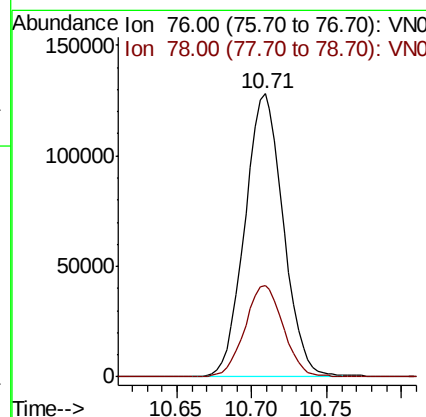
RT: 10.71 min Scan# 2836

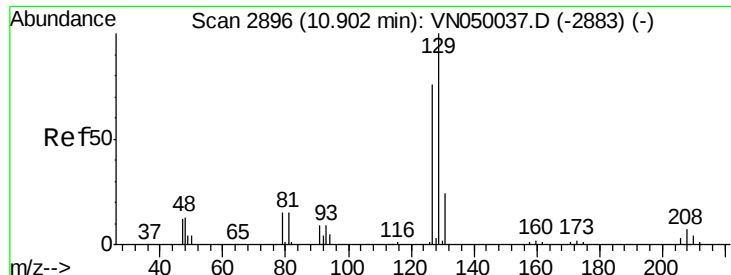
Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Tgt Ion:	76	Resp:	229113
Ion Ratio	Lower	Upper	
76	100		
78	32.3	0.0	65.6





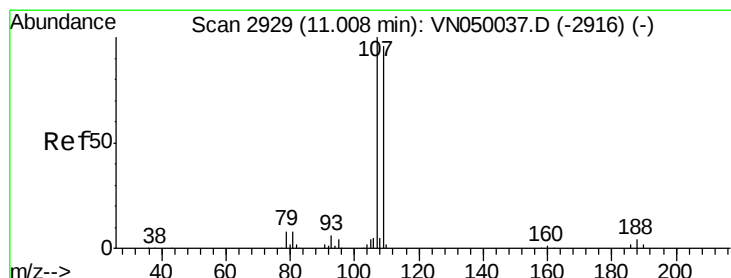
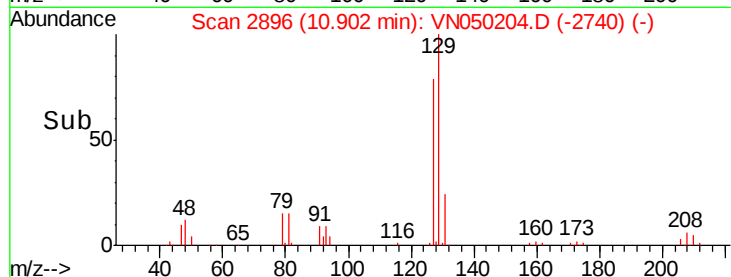
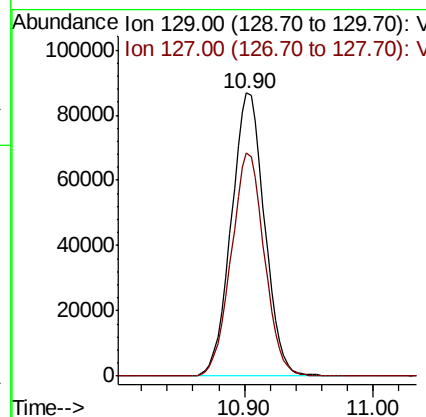
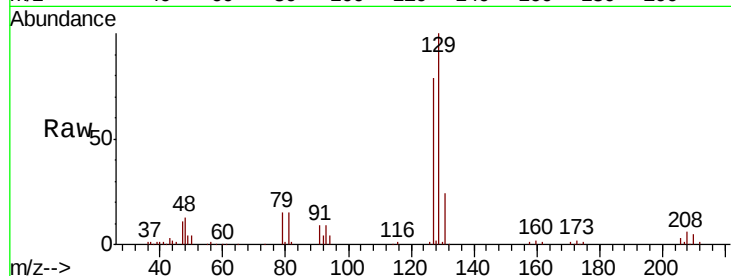
#53
 Dibromochloromethane
 Concen: 17.596 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0731WBS01

Tot Ion:129 Resp: 155062
 Ion Ratio Lower Upper
 129 100
 127 78.6 38.1 114.5

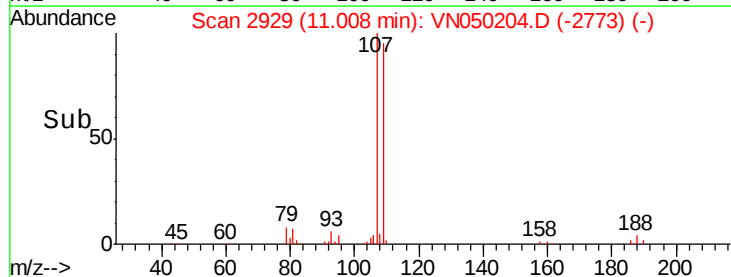
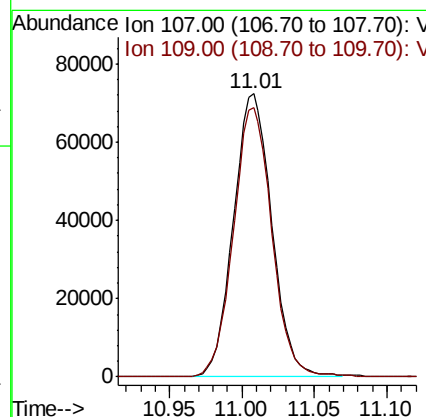
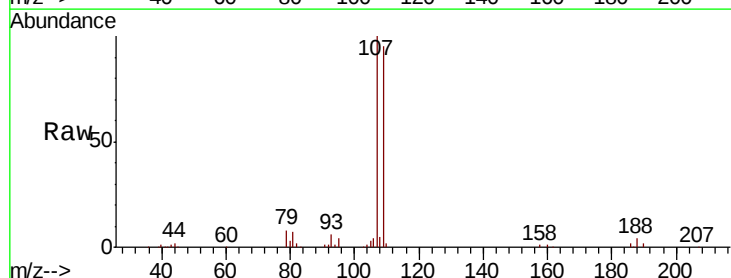
Manual Integrations
 APPROVED

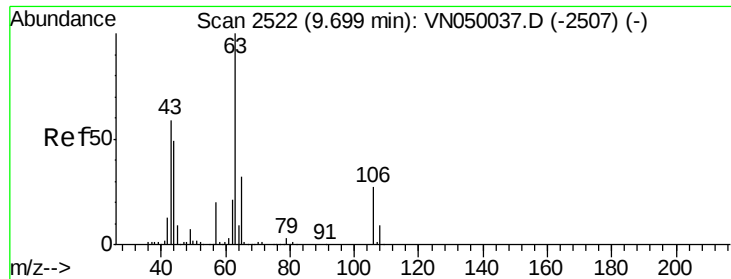
MMDadoda
 8/1/2018 11:13:55 AM



#54
 1,2-Dibromoethane
 Concen: 17.529 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Tgt Ion:107 Resp: 133308
 Ion Ratio Lower Upper
 107 100
 109 95.2 76.2 114.2





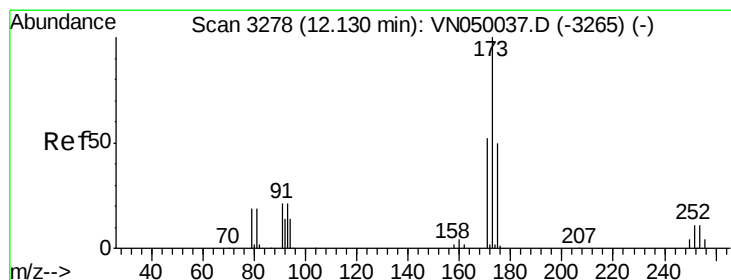
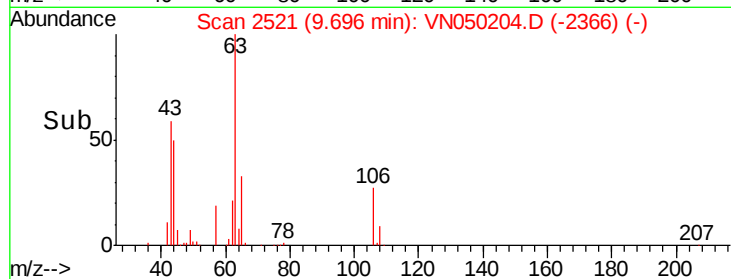
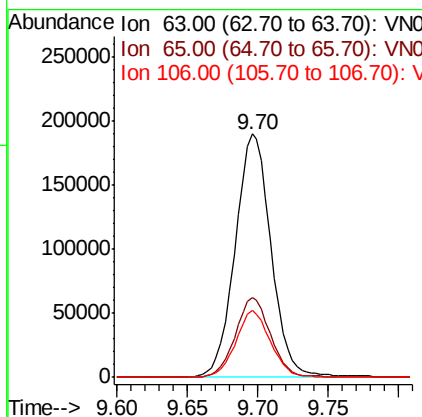
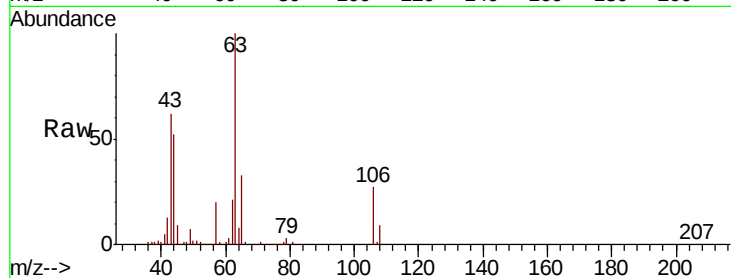
#55
2-Chloroethyl vinyl ether
Concen: 79.327 ug/l
RT: 9.70 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Instrument :
MSVOA_N
ClientSampled :
VN0731WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.5	38.3
106	26.6	21.8	32.6

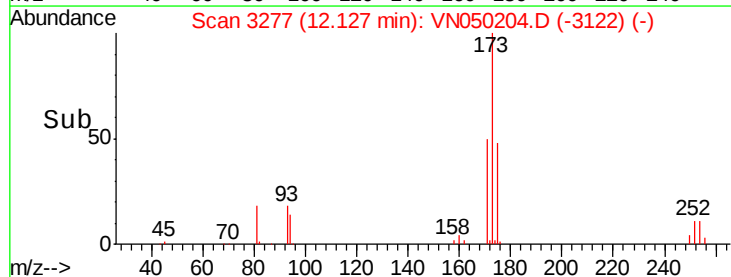
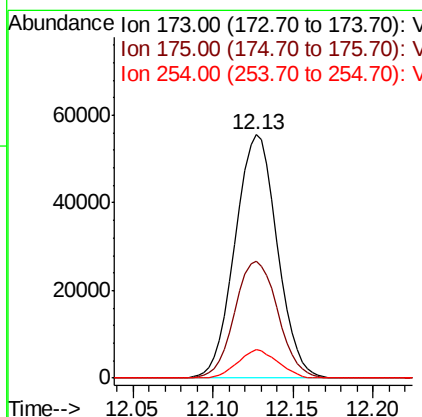
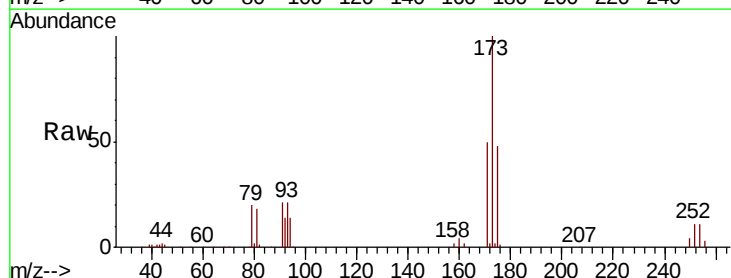
Manual Integrations
APPROVED

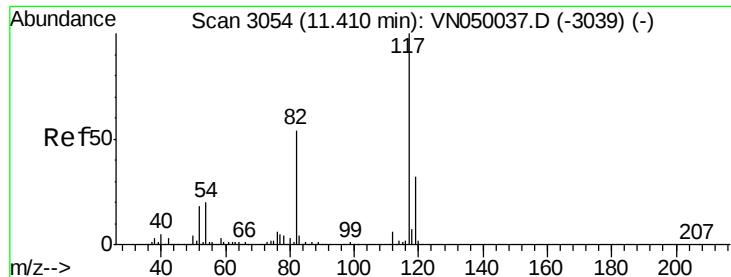
MMDadoda
8/1/2018 11:13:55 AM



#56
Bromoform
Concen: 16.089 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.3	38.6	57.8
254	11.1	8.8	13.2





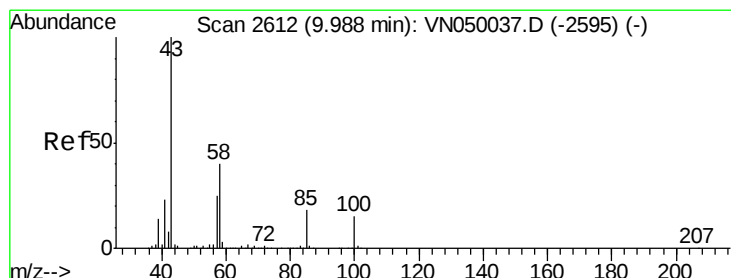
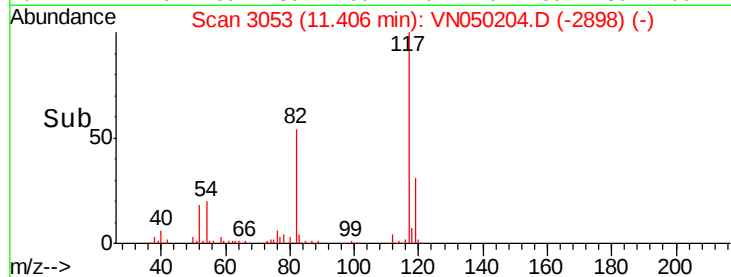
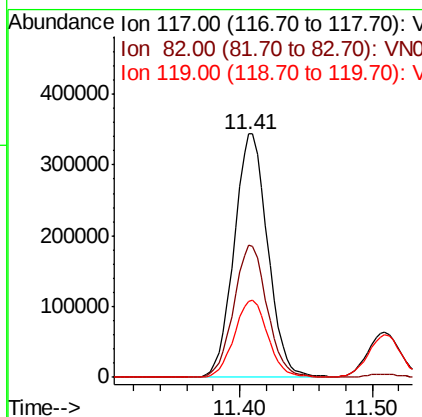
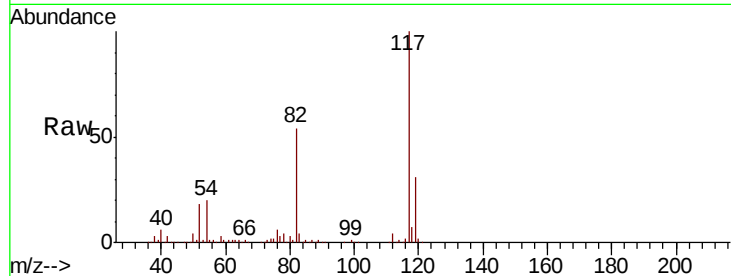
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Instrument :
MSVOA_N
ClientSampled :
VN0731WBS01

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	54.0	42.4	63.6
119	31.7	25.4	38.0

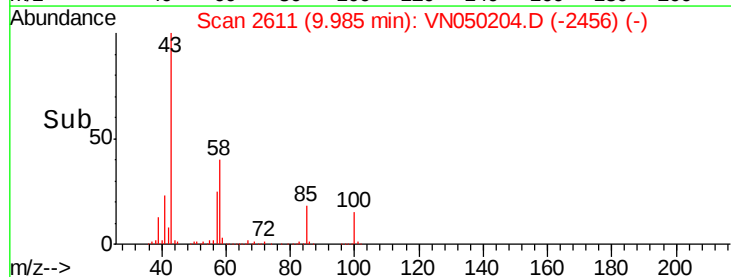
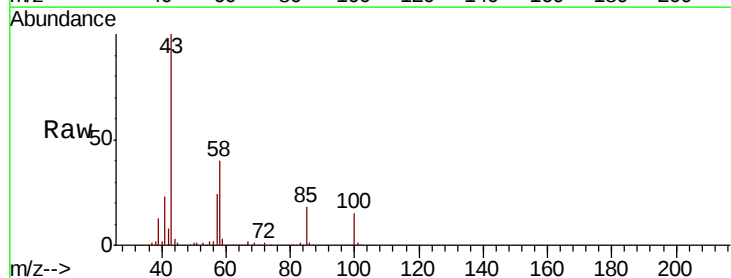
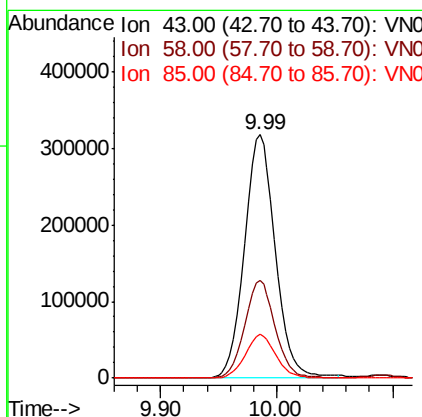
Manual Integrations
APPROVED

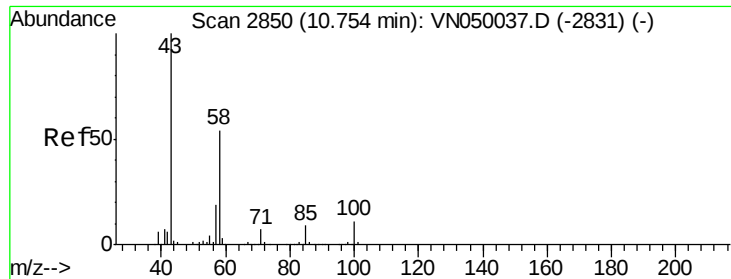
MMDadoda
8/1/2018 11:13:55 AM



#58
4-Methyl-2-Pentanone
Concen: 83.124 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
58	39.7	31.2	46.8
85	17.7	14.4	21.6





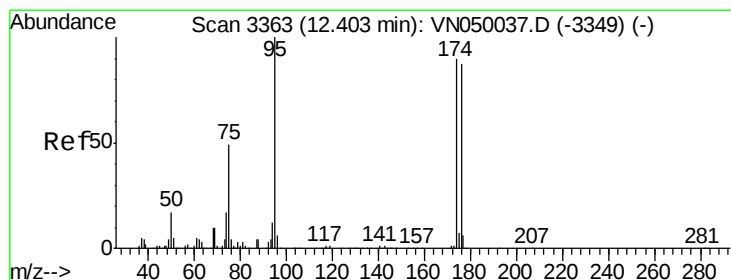
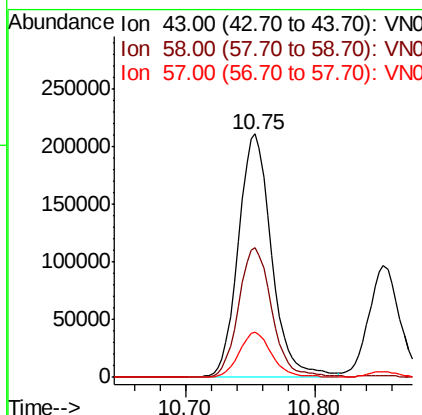
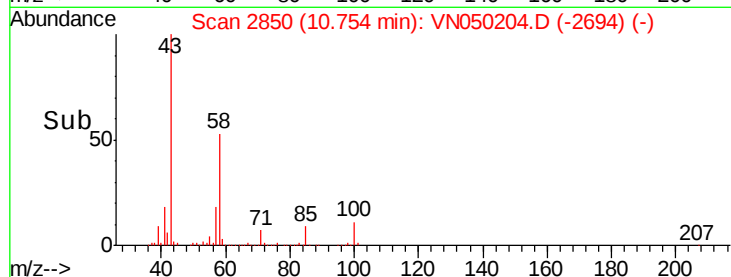
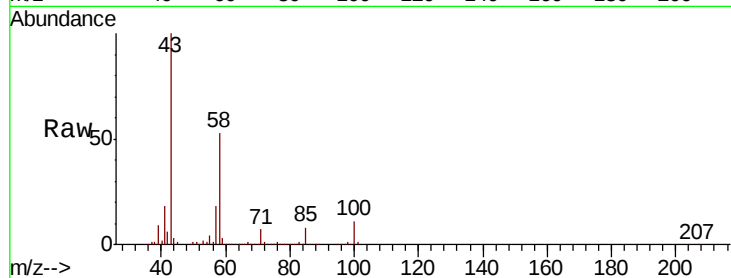
#59
2-Hexanone
Concen: 78.475 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Instrument :
MSVOA_N
ClientSampled :
VN0731WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.7	43.8	65.8
57	18.3	15.1	22.7

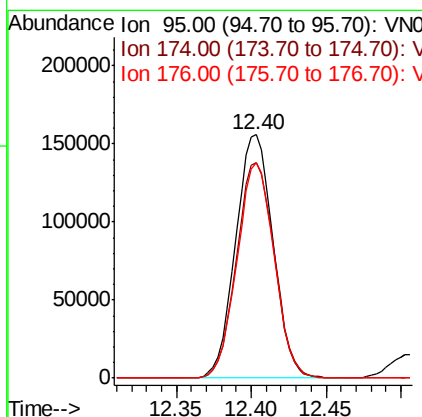
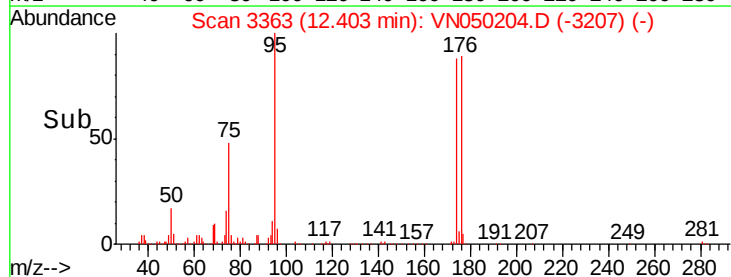
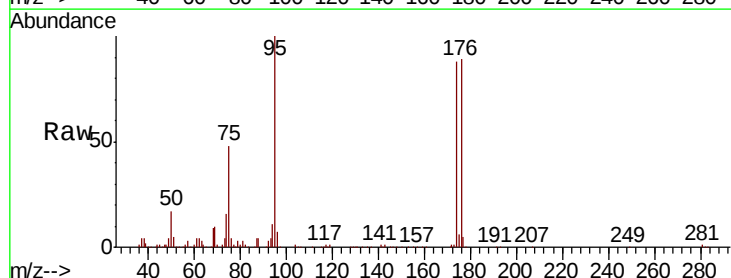
Manual Integrations
APPROVED

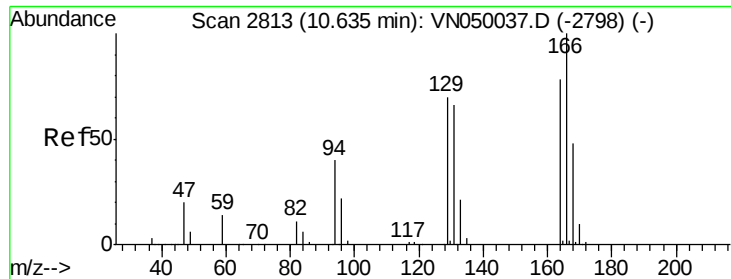
MMDadoda
8/1/2018 11:13:55 AM



#60
4-Bromofluorobenzene
Concen: 29.157 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.7	72.3	108.5
176	87.6	70.0	105.0





#61

Tetrachloroethene

Concen: 19.442 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampled :

VN0731WBS01

Tot Ion:164 Resp: 159651

Ion Ratio Lower Upper

164 100

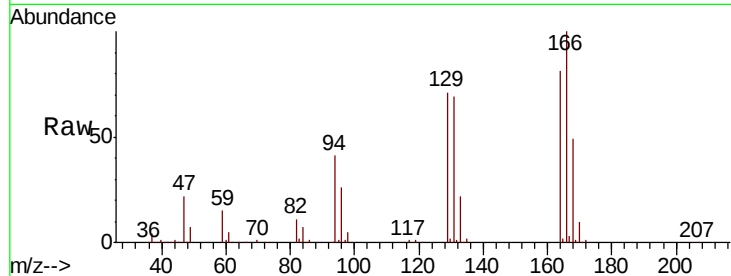
166 123.0 100.0 150.0

129 87.3 69.3 103.9

131 84.5 68.8 103.2

Manual Integrations
APPROVED

MMDadoda
8/1/2018 11:13:55 AM

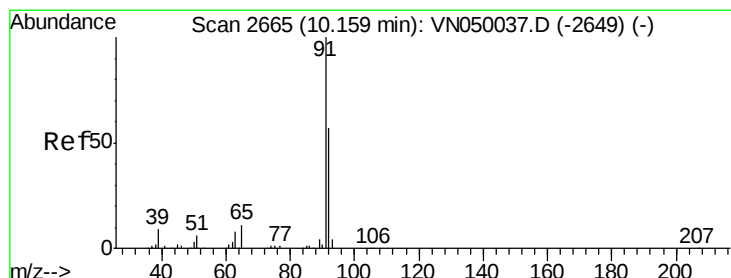
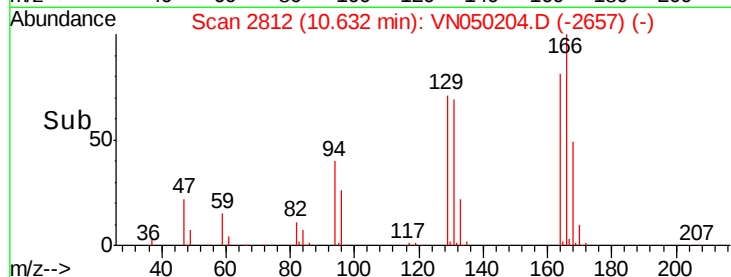
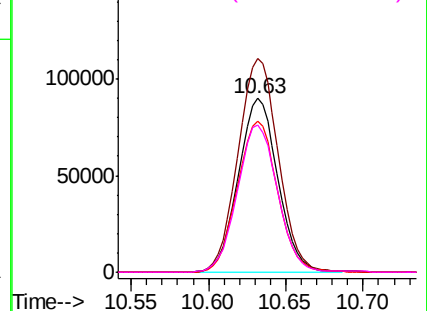


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.424 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050204.D

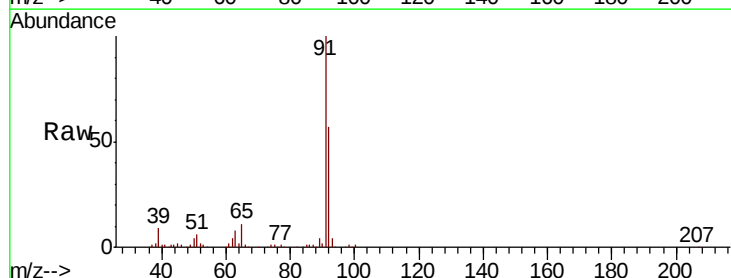
Acq: 31 Jul 2018 9:37

Tgt Ion: 91 Resp: 671848

Ion Ratio Lower Upper

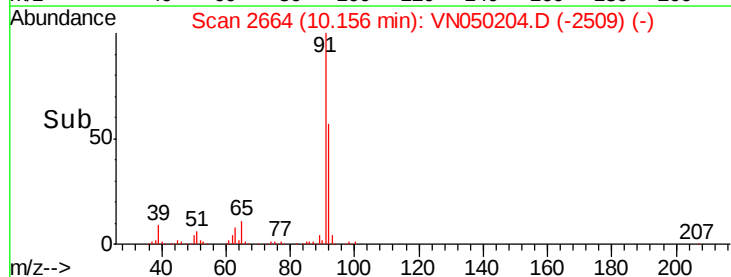
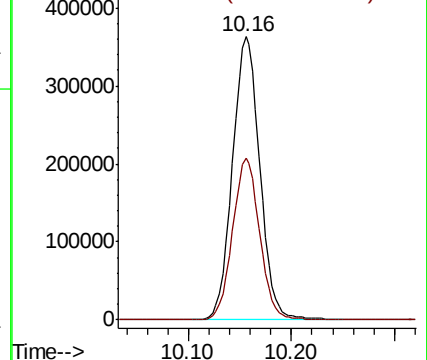
91 100

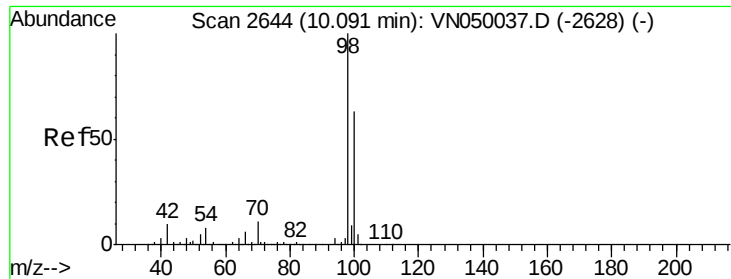
92 56.5 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.302 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampled :

VN0731WBS01

Tot Ion: 98 Resp: 877461

Ion Ratio Lower Upper

98 100

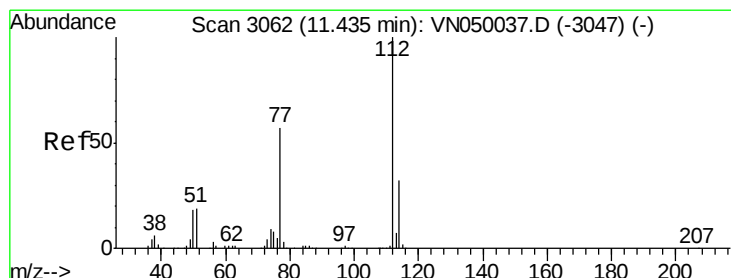
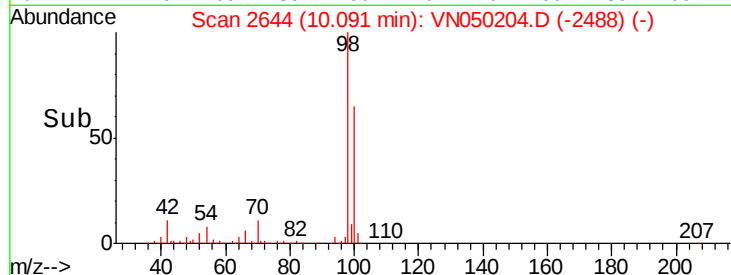
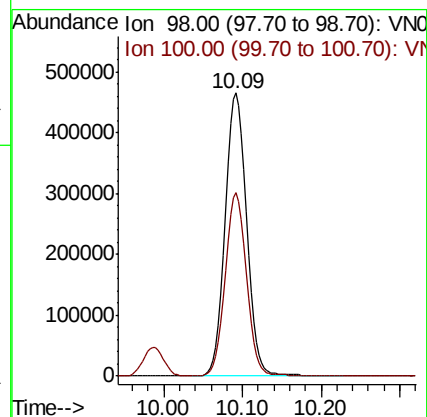
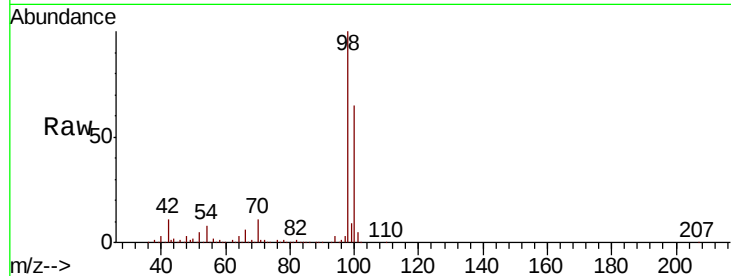
100 63.6 51.2 76.8

Manual Integrations

APPROVED

MMDadoda

8/1/2018 11:13:55 AM



#64

Chlorobenzene

Concen: 19.481 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050204.D

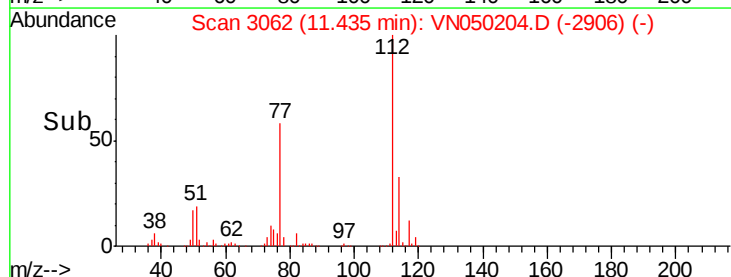
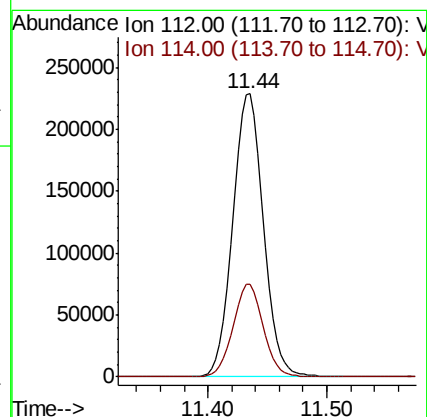
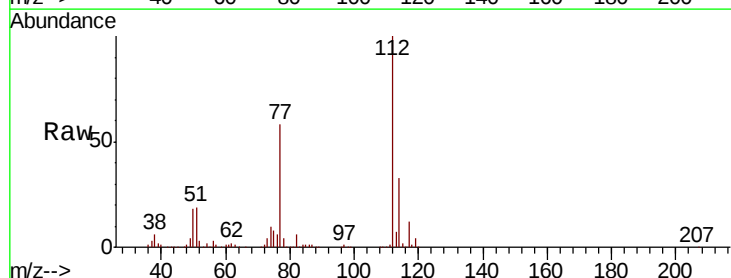
Acq: 31 Jul 2018 9:37

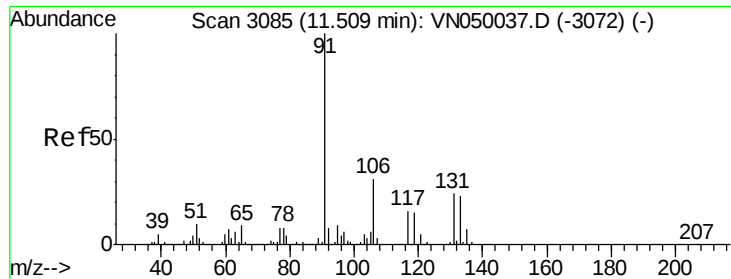
Tgt Ion: 112 Resp: 408598

Ion Ratio Lower Upper

112 100

114 32.5 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.562 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

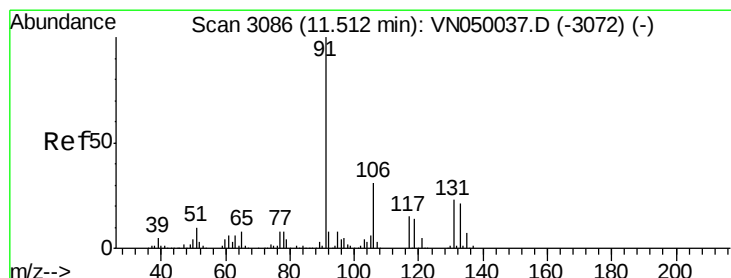
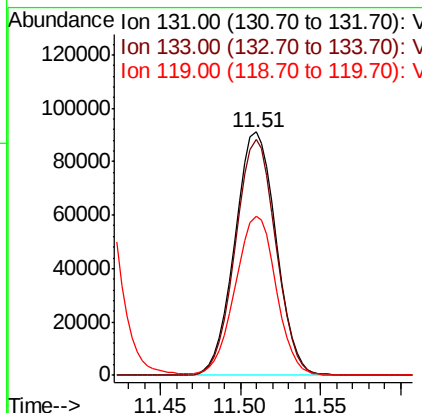
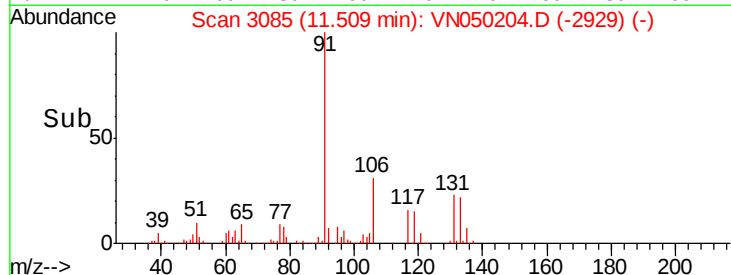
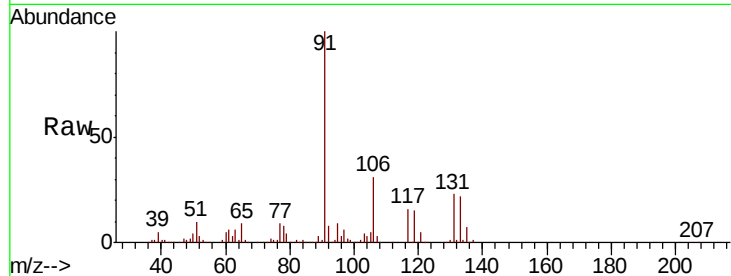
ClientSampled :

VN0731WBS01

Tot Ion:	131	Resp:	160037
Ion Ratio	Lower	Upper	
131	100		
133	95.1	0.0	190.0
119	65.1	0.0	131.6

Manual Integrations
APPROVED

MMDadoda
8/1/2018 11:13:55 AM



#66

Ethyl Benzene

Concen: 19.156 ug/l

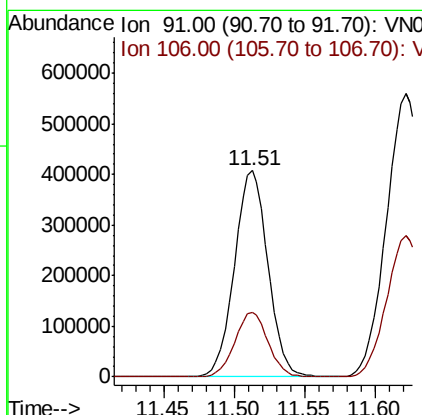
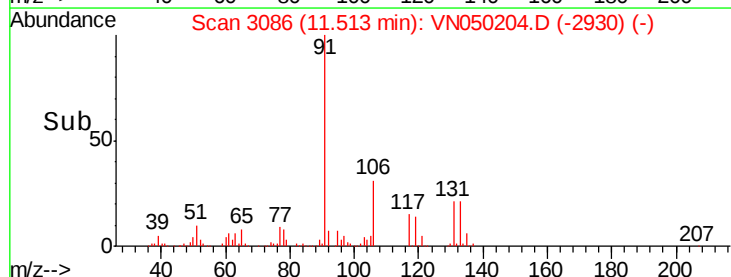
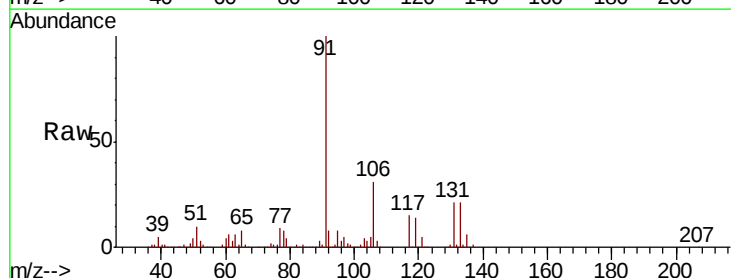
RT: 11.51 min Scan# 3086

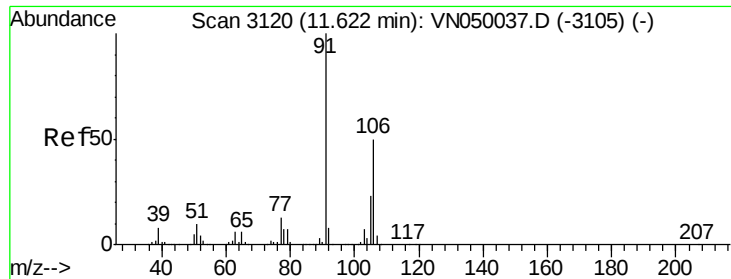
Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Tgt Ion:	91	Resp:	677109
Ion Ratio	Lower	Upper	
91	100		
106	31.4	25.1	37.7





#67

m/p-Xylenes

Concen: 38.806 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBS01

Tot Ion:106 Resp: 527867

Ion Ratio Lower Upper

106 100

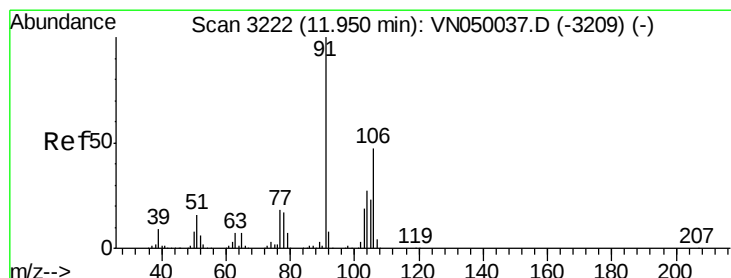
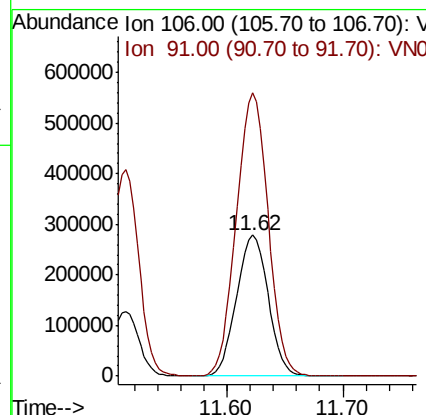
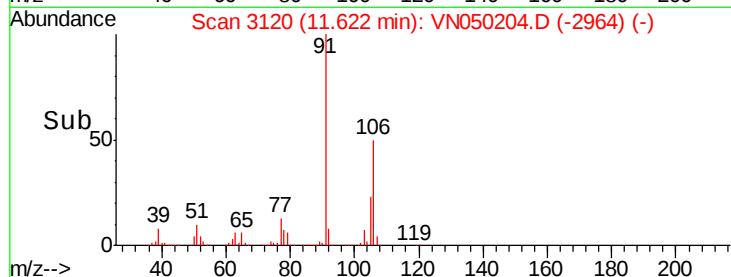
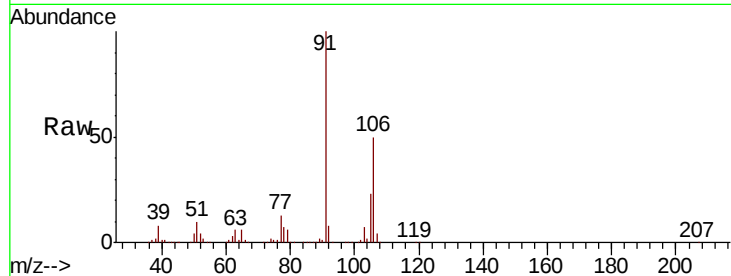
91 201.4 162.5 243.7

Manual Integrations

APPROVED

MMDadoda

8/1/2018 11:13:55 AM



#68

o-Xylene

Concen: 19.032 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050204.D

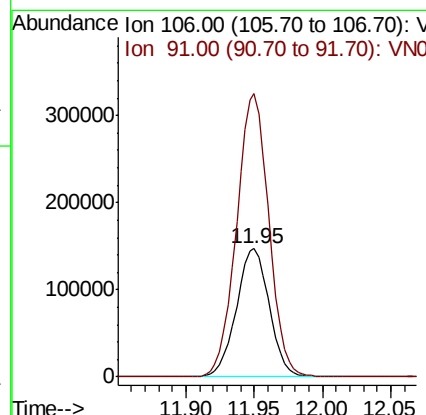
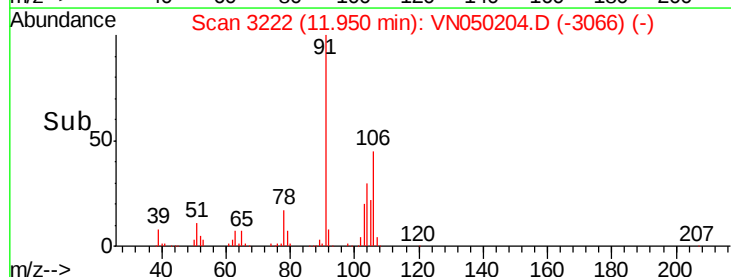
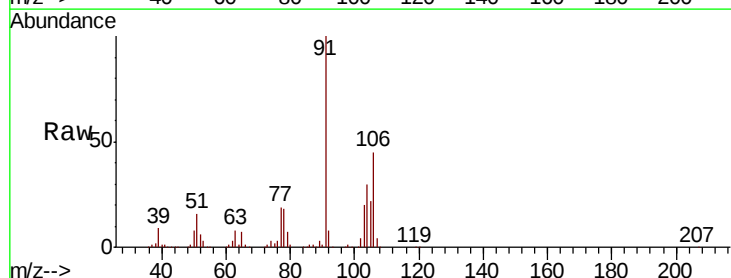
Acq: 31 Jul 2018 9:37

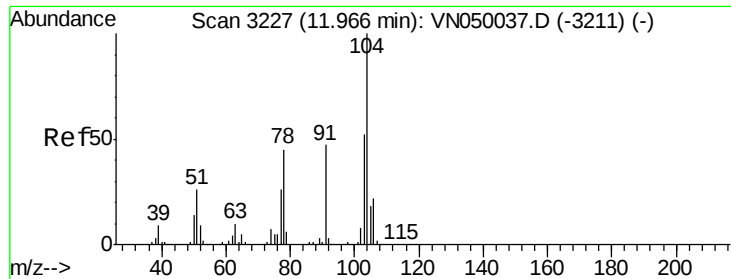
Tgt Ion:106 Resp: 246319

Ion Ratio Lower Upper

106 100

91 216.1 106.8 320.4





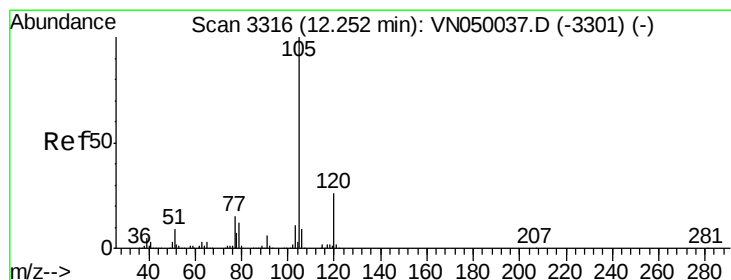
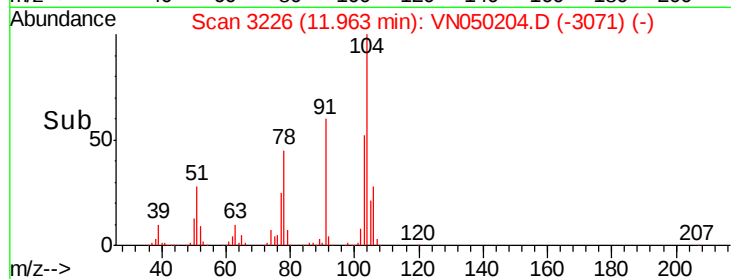
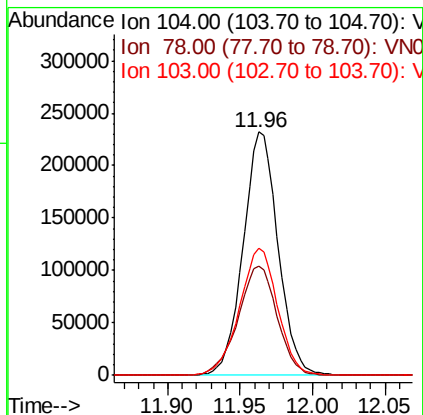
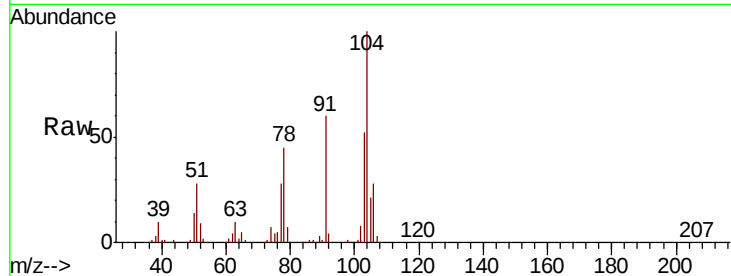
#69
Stvrene
Concen: 18.770 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.0	39.3	58.9
103	57.0	44.5	66.7

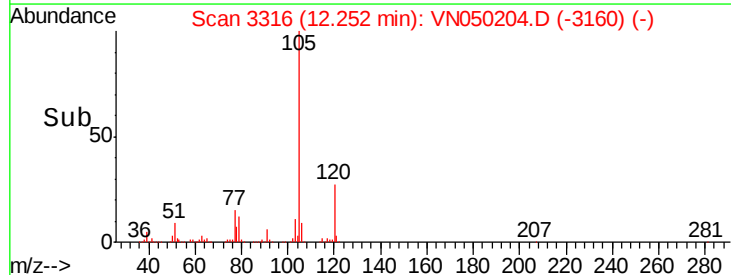
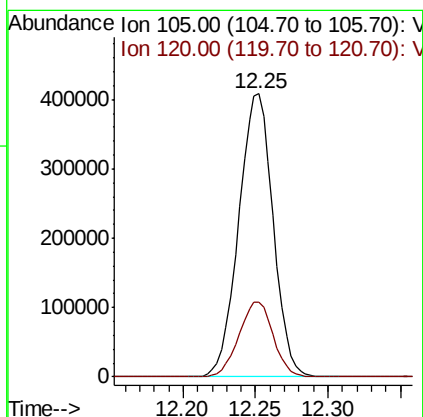
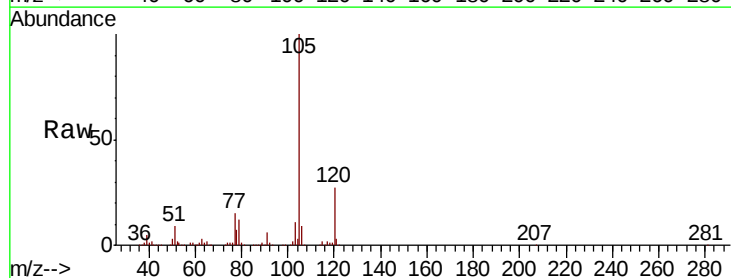
Manual Integrations
APPROVED

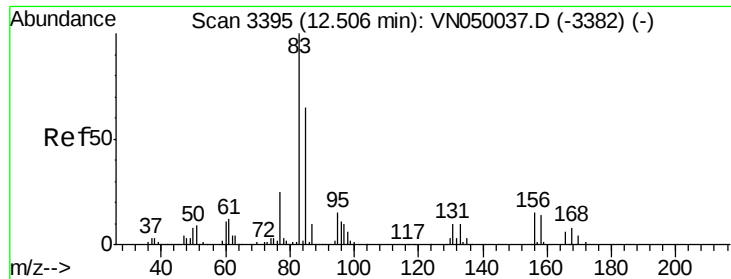
MMDadoda
8/1/2018 11:13:55 AM



#70
Isopropylbenzene
Concen: 19.490 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	18.9	35.1





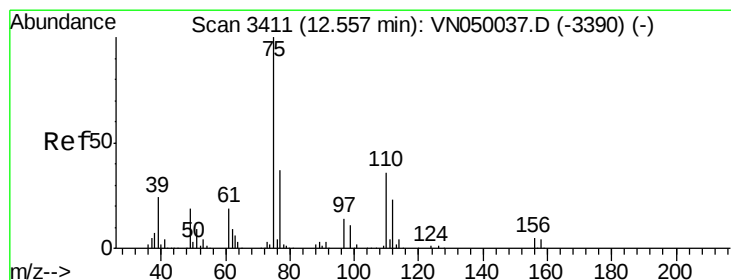
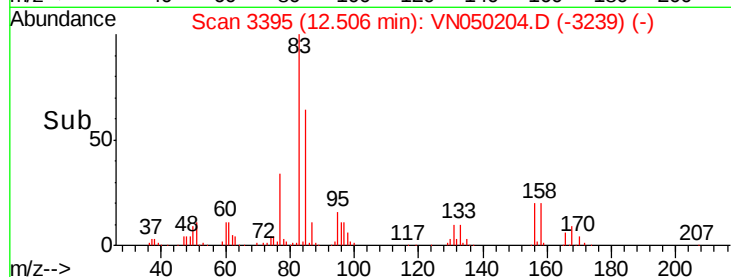
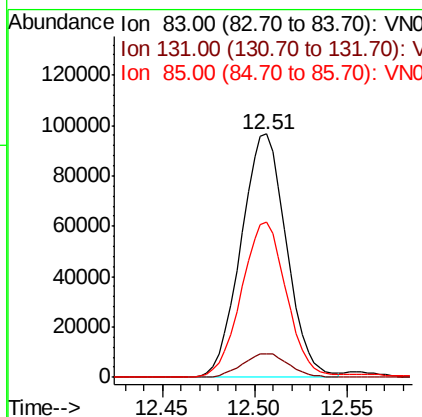
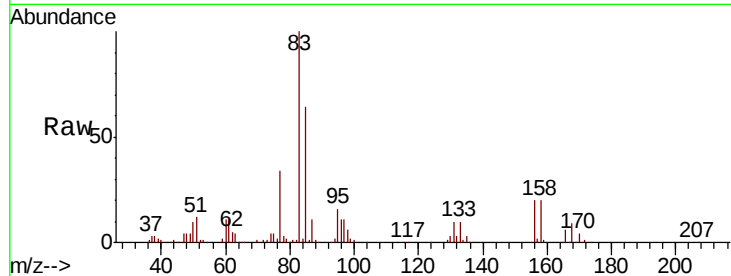
#71
 1,1,2,2-Tetrachloroethane
 Concen: 17.347 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS01

Tot Ion	83	Resp	164170
Ion Ratio	100	Lower	Upper
83	100		
131	10.1	5.2	15.6
85	63.2	31.7	95.1

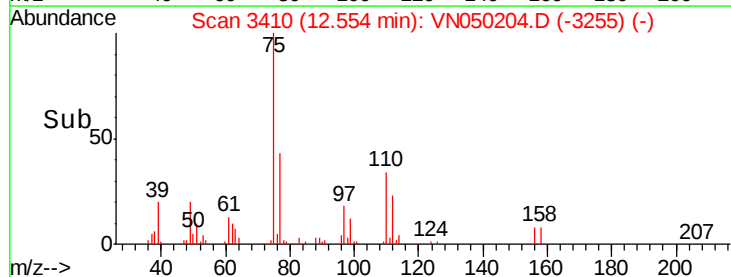
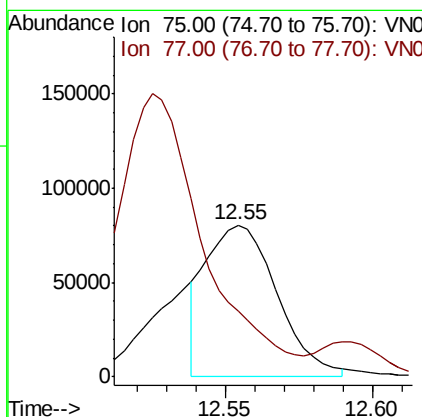
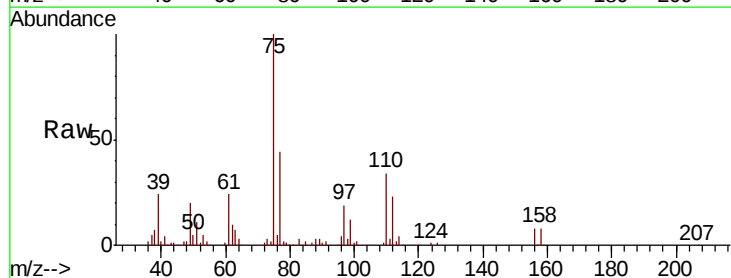
Manual Integrations
 APPROVED

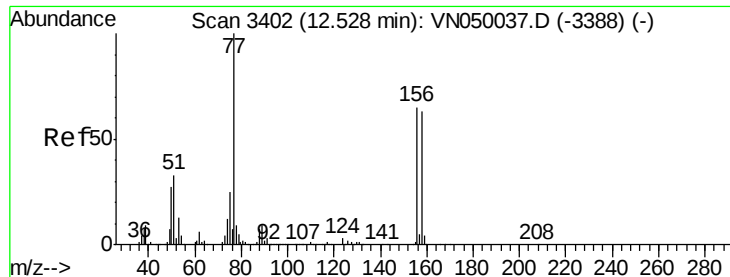
MMDadoda
 8/1/2018 11:13:55 AM



#72
 1,2,3-Trichloropropane
 Concen: 16.780 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Tgt Ion	75	Resp	135632
Ion Ratio	100	Lower	Upper
75	100		
77	227.0	0.0	454.4





#73

Bromobenzene

Concen: 18.179 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

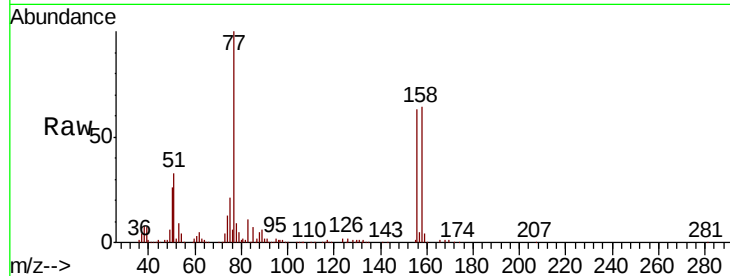
ClientSampled :

VN0731WBS01

Tot Ion:	156	Resp:	166922
Ion Ratio	Lower	Upper	
156	100		
77	184.5	0.0	359.8
158	99.7	0.0	192.8

Manual Integrations
APPROVED

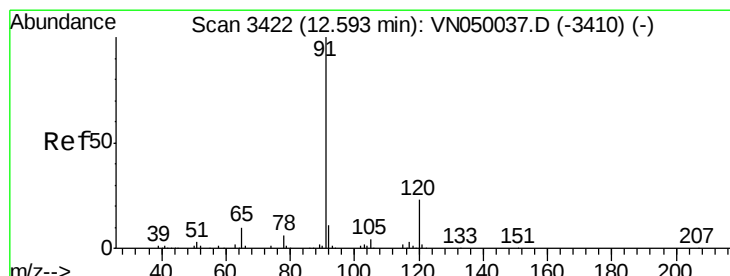
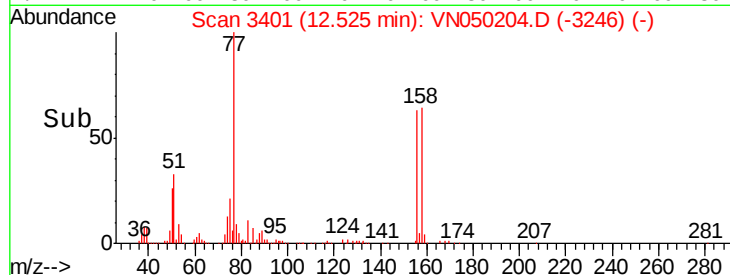
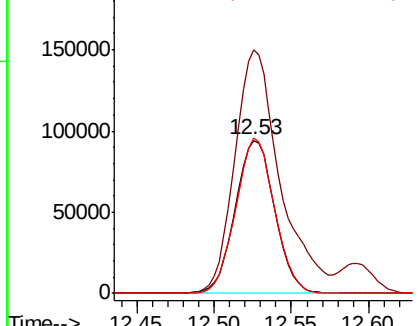
MMDadoda
8/1/2018 11:13:55 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.039 ug/l

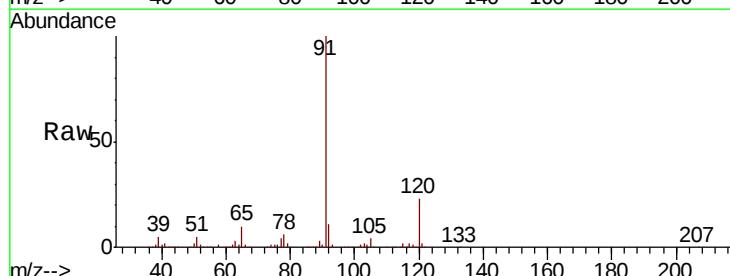
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050204.D

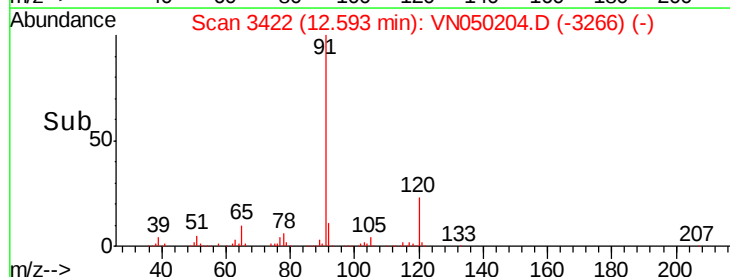
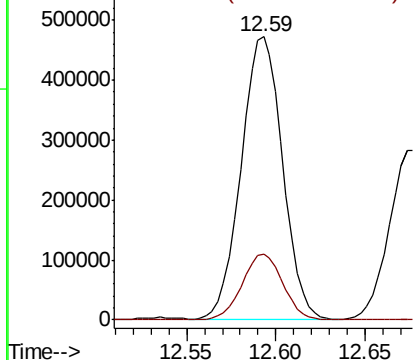
Acq: 31 Jul 2018 9:37

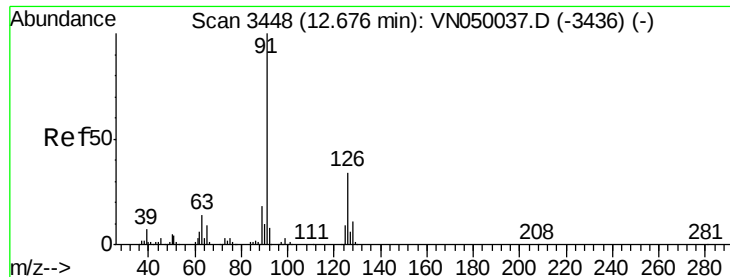
Tgt Ion:	91	Resp:	764330
Ion Ratio	Lower	Upper	
91	100		
120	22.9	0.0	46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.380 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampled :

VN0731WBS01

Tot Ion: 91 Resp: 467295

Ion Ratio Lower Upper

91 100

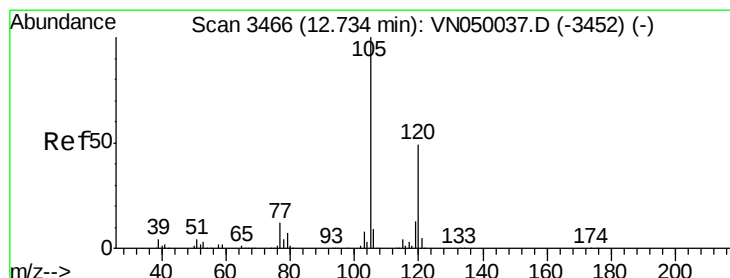
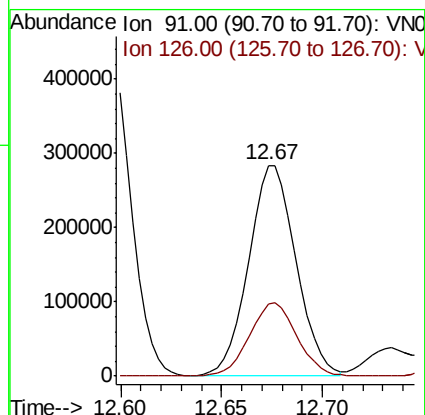
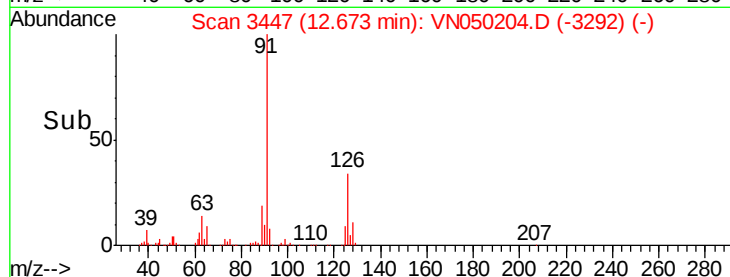
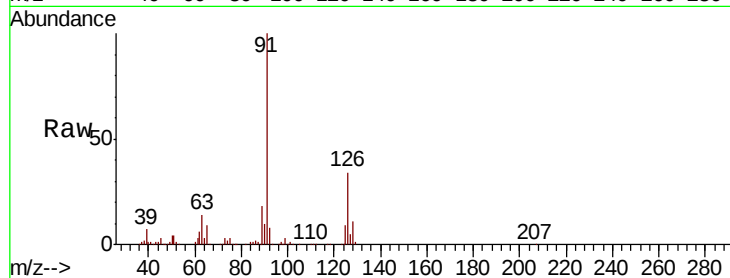
126 34.8 0.0 68.6

Manual Integrations

APPROVED

MMDadoda

8/1/2018 11:13:55 AM



#76

1,3,5-Trimethylbenzene

Concen: 19.489 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050204.D

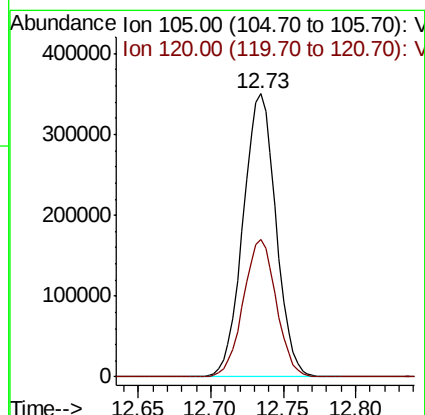
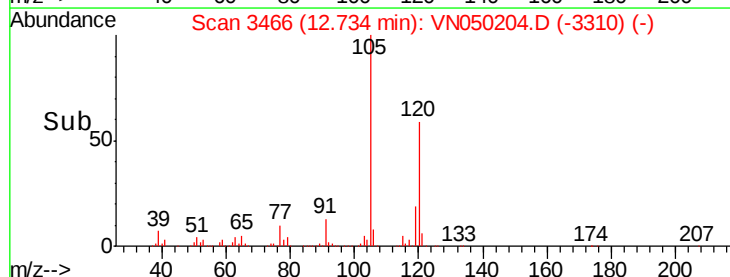
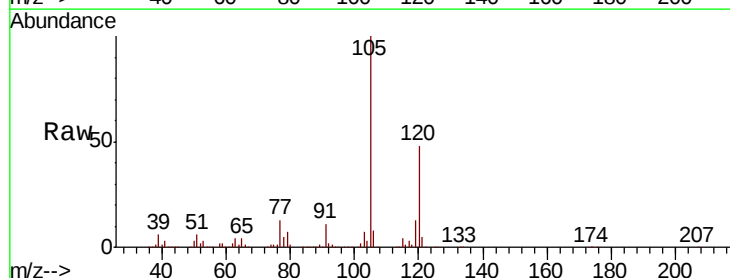
Acq: 31 Jul 2018 9:37

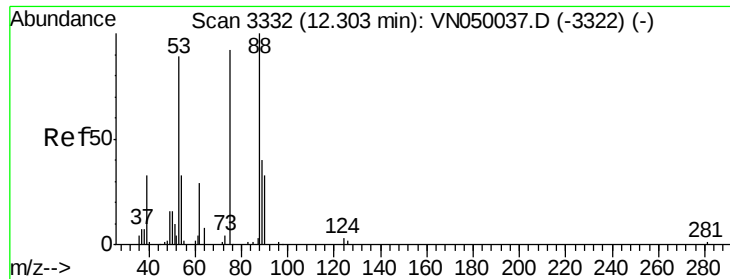
Tgt Ion: 105 Resp: 551752

Ion Ratio Lower Upper

105 100

120 48.7 0.0 98.0





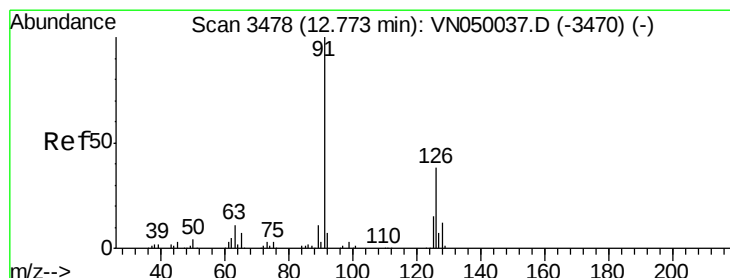
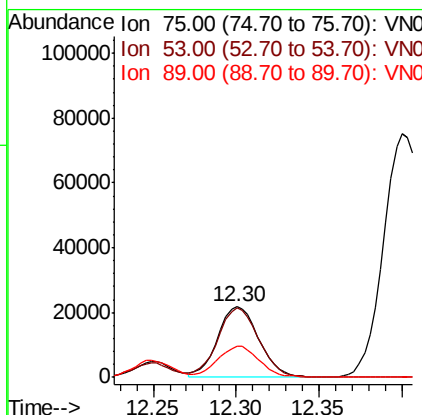
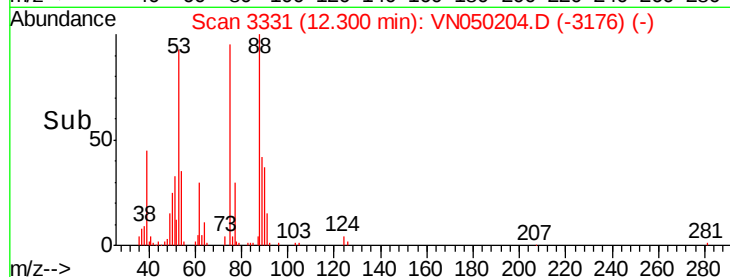
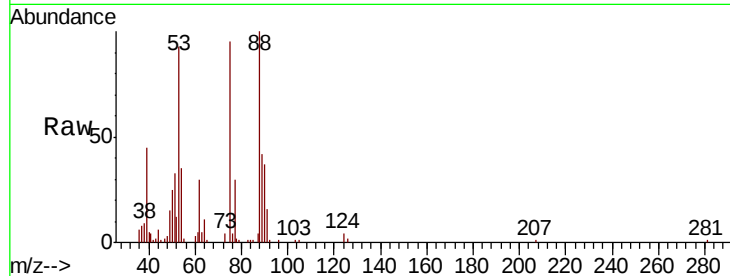
#77
t-1,4-Dichloro-2-butene
Concen: 14.342 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Instrument :
MSVOA_N
ClientSampled :
VN0731WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.3	44.6	134.0
89	44.9	20.7	62.1

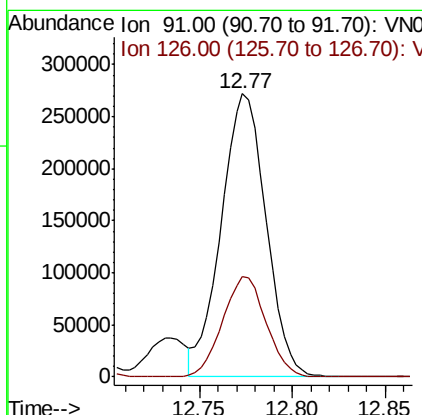
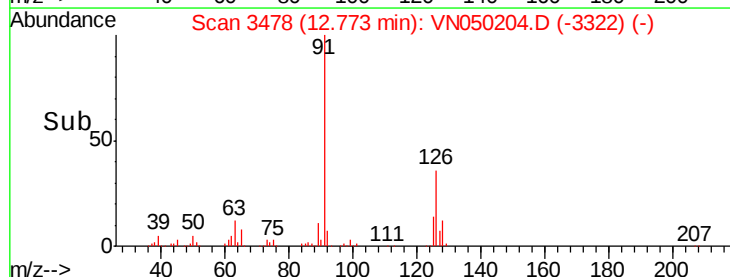
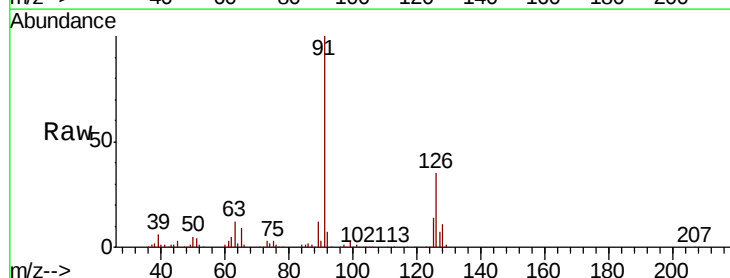
Manual Integrations
APPROVED

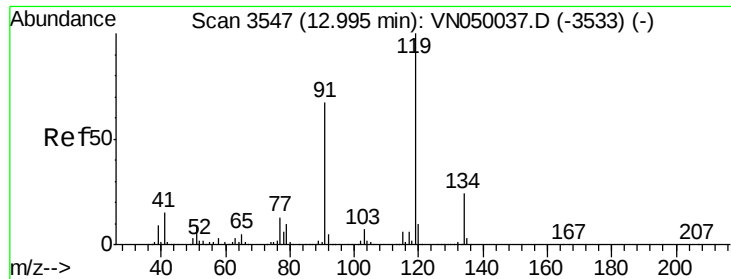
MMDadoda
8/1/2018 11:13:55 AM



#78
4-Chlorotoluene
Concen: 19.086 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	0.0	68.4





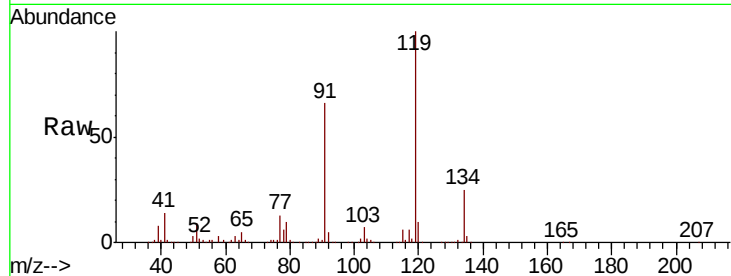
#79
tert-butylbenzene
Concen: 19.650 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS01

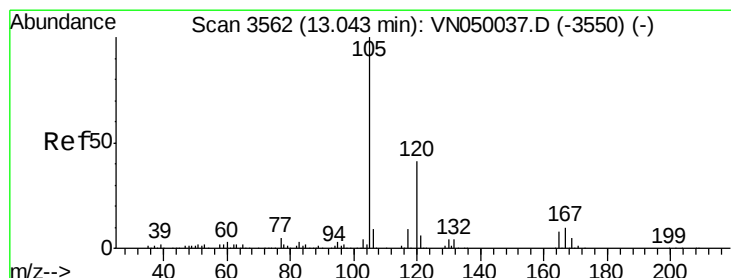
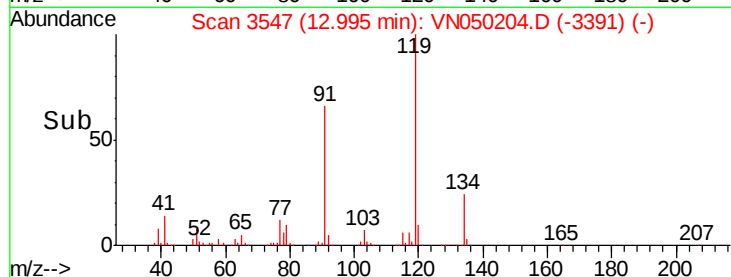
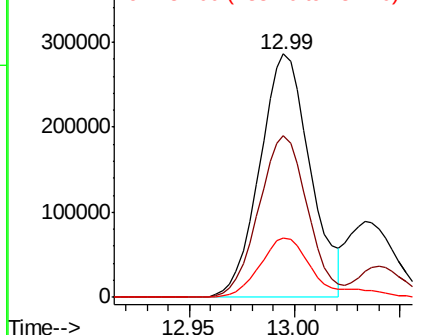
Tot Ion	Ratio	Resp	Lower	Upper
119	100	475621		
91	64.6	0.0	126.8	
134	24.3	0.0	47.4	

Manual Integrations
APPROVED

MMDadoda
8/1/2018 11:13:55 AM

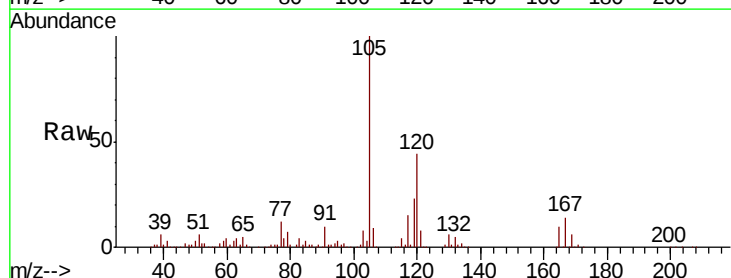


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

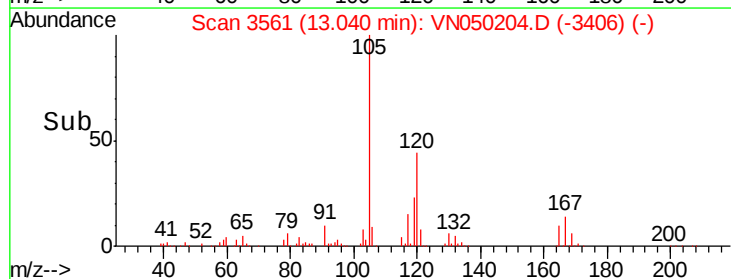
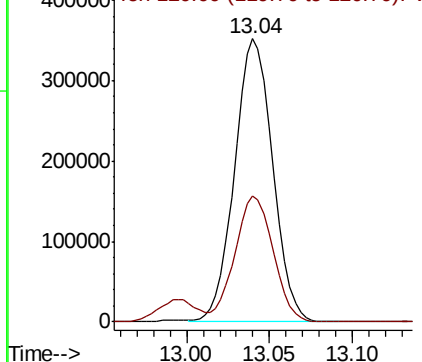


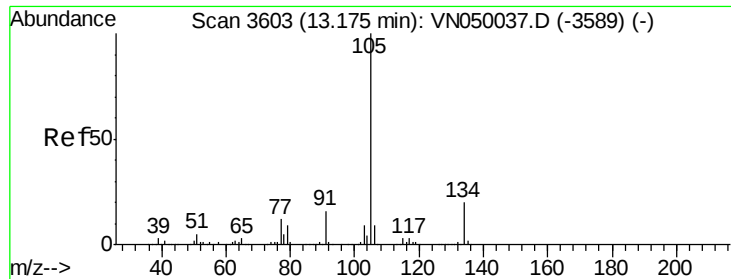
#80
1,2,4-Trimethylbenzene
Concen: 19.581 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	561669		
120	45.0	0.0	90.6	



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





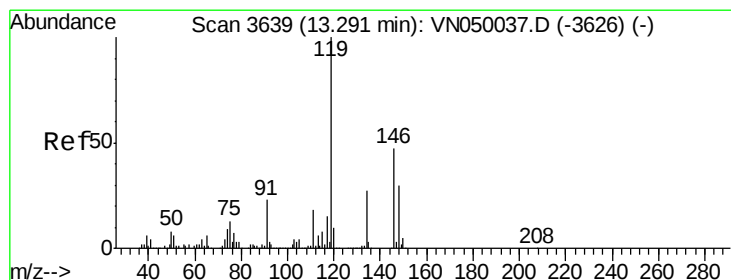
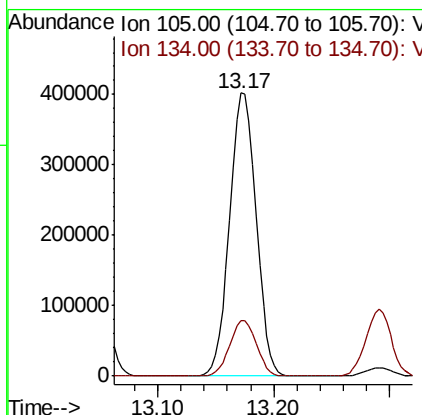
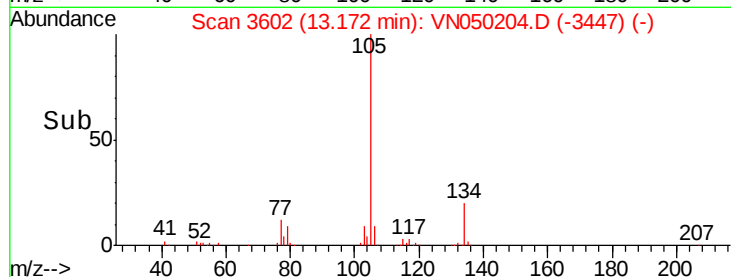
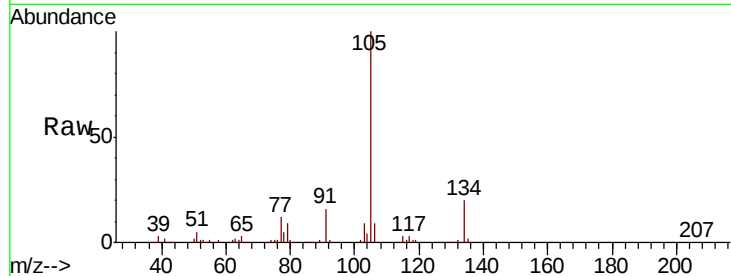
#81
 sec-Butylbenzene
 Concen: 19.362 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	0.0	40.6

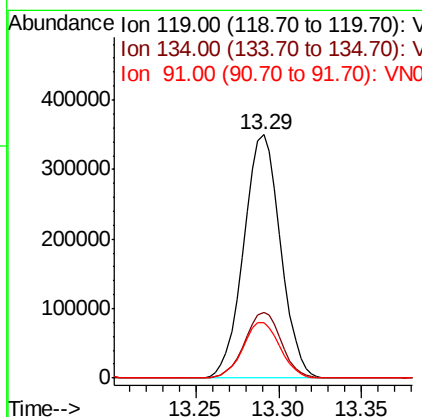
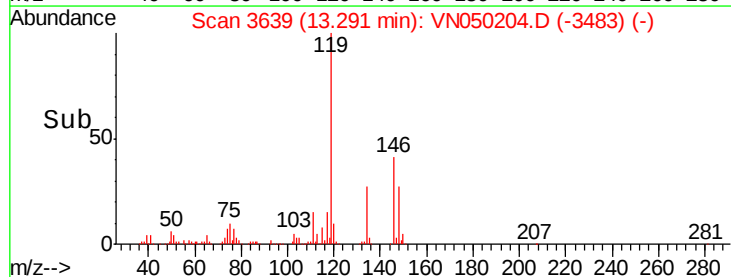
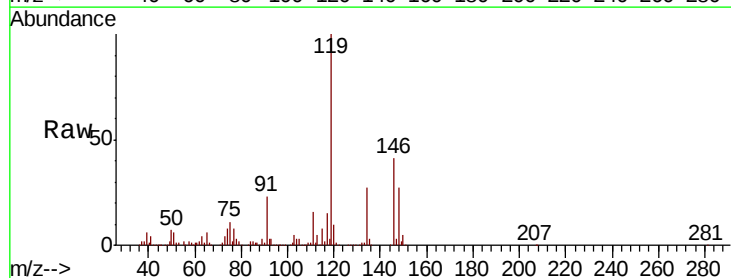
Manual Integrations
 APPROVED

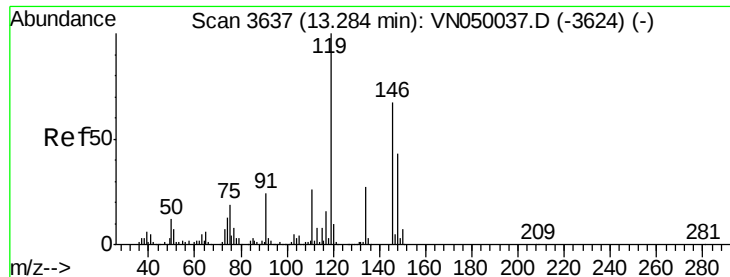
MMDadoda
 8/1/2018 11:13:55 AM



#82
 p-Isopropyltoluene
 Concen: 19.197 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	0.0	52.2
91	23.0	0.0	45.6





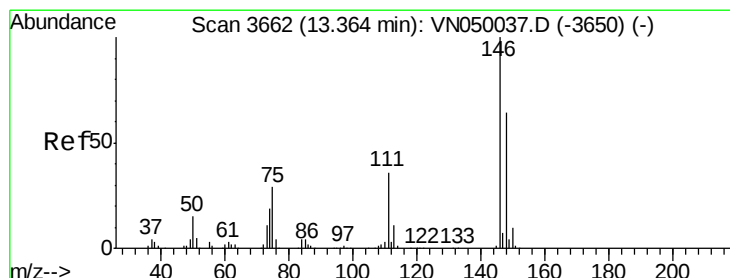
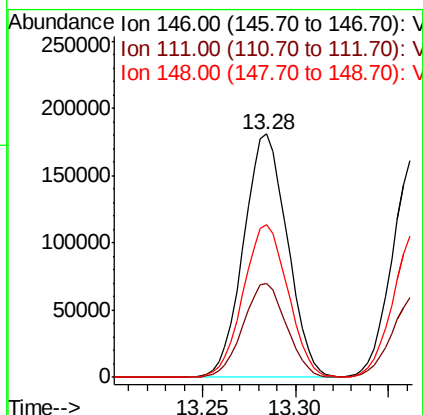
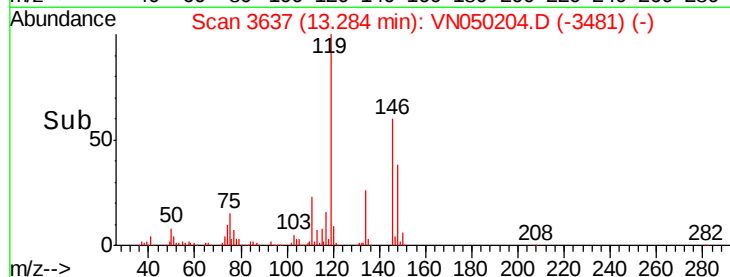
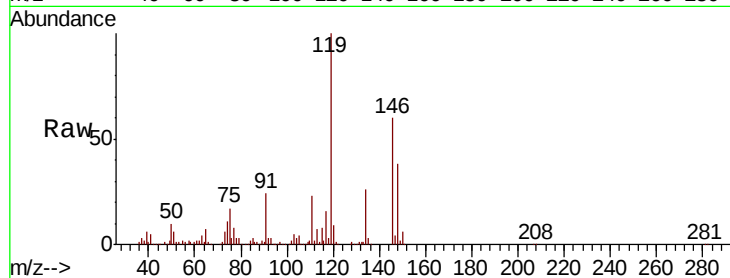
#83
1,3-Dichlorobenzene
Concen: 18.561 ug/l
RT: 13.28 min Scan# 3637
Delta R.T. 0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	296752		
111	38.3	19.1	57.1	
148	64.1	31.9	95.9	

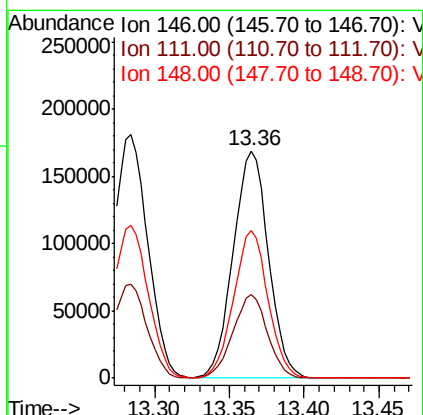
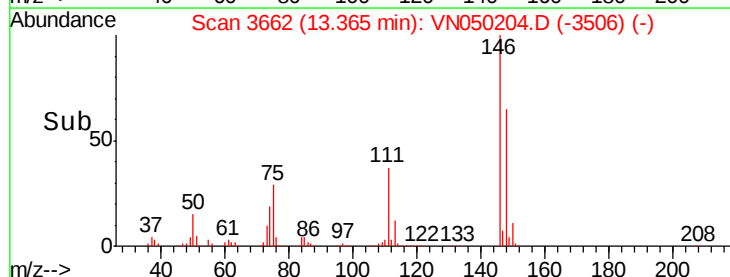
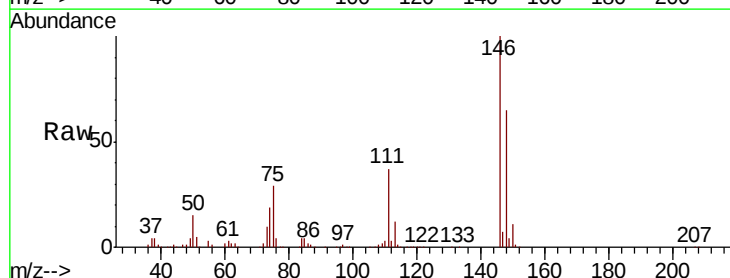
Manual Integrations
APPROVED

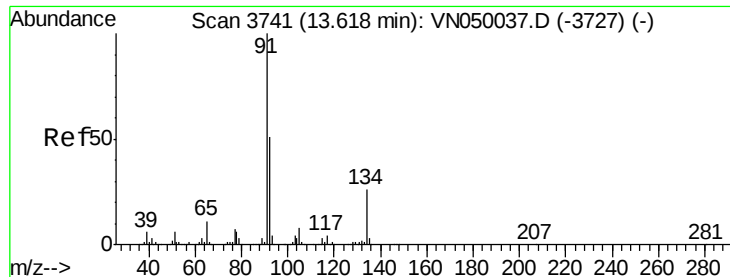
MMDadoda
8/1/2018 11:13:55 AM



#84
1,4-Dichlorobenzene
Concen: 18.368 ug/l
RT: 13.36 min Scan# 3662
Delta R.T. 0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	277523		
111	36.0	17.9	53.8	
148	63.4	32.4	97.0	





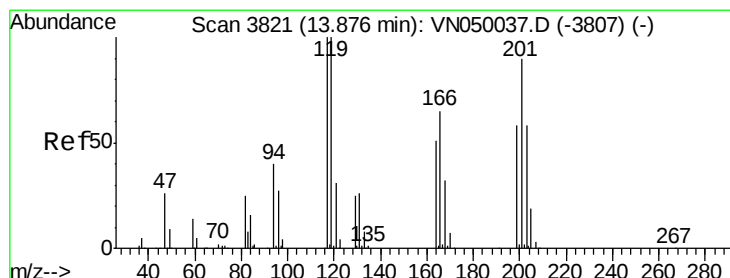
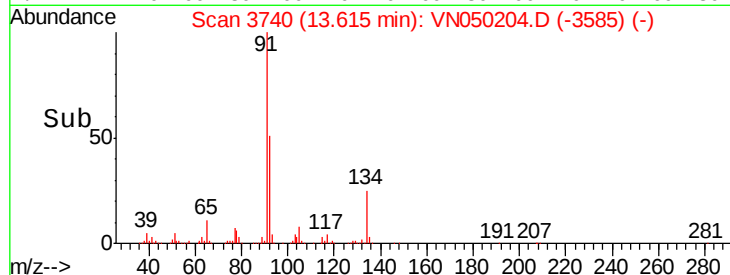
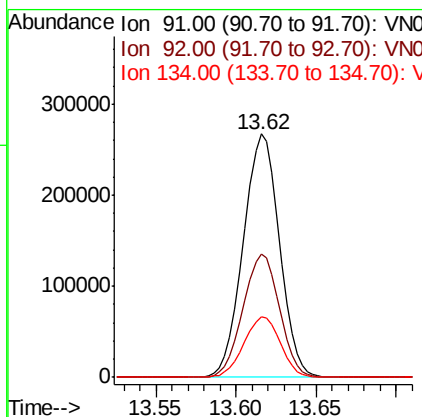
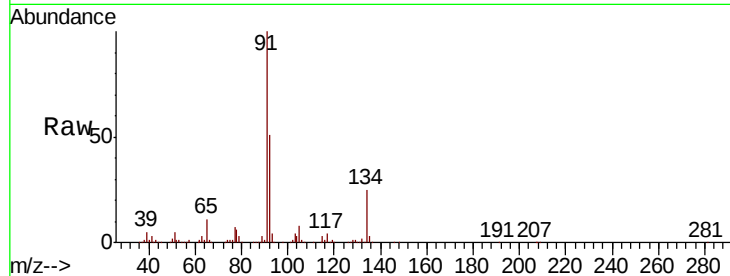
#85
n-Butylbenzene
Concen: 18.042 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.1	0.0	102.8	
134	25.2	0.0	51.0	

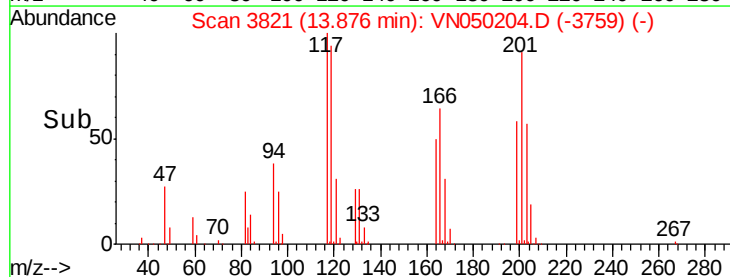
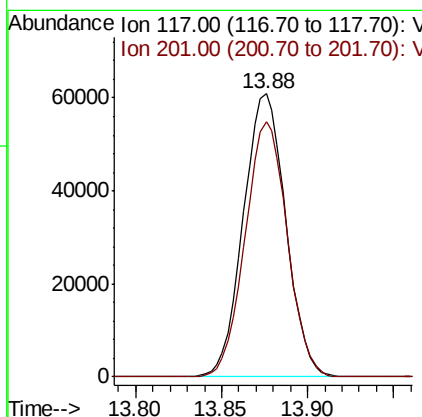
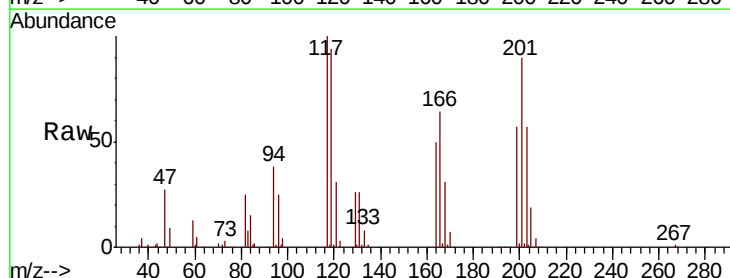
Manual Integrations
APPROVED

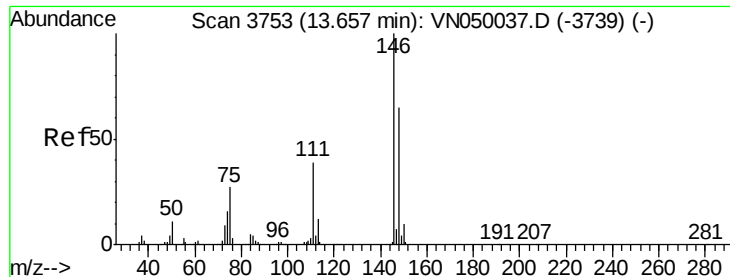
MMDadoda
8/1/2018 11:13:55 AM



#86
Hexachloroethane
Concen: 18.633 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	89.3	46.6	139.7	





#87

1,2-Dichlorobenzene

Concen: 18.748 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

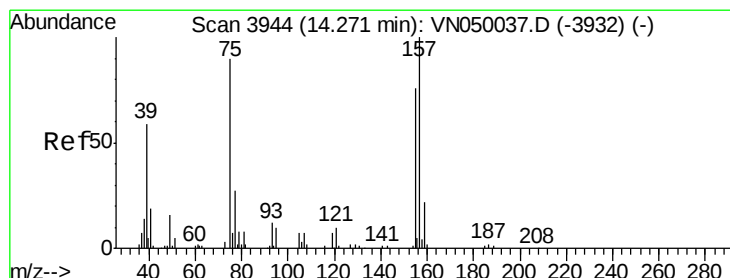
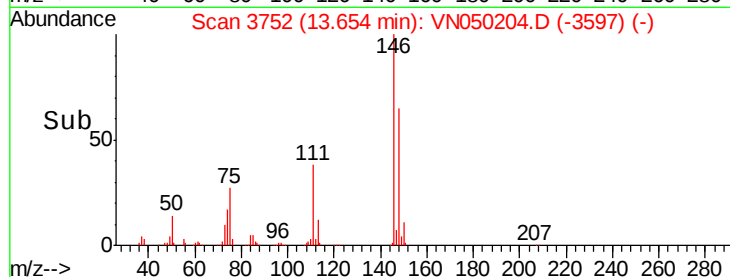
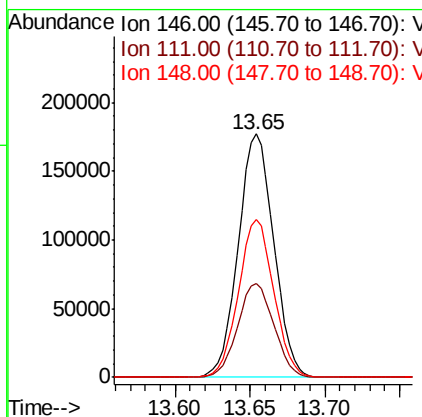
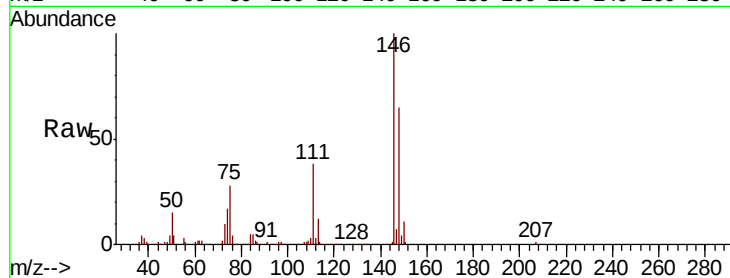
ClientSampleId :

VN0731WBS01

Tot Ion:	146	Resp:	292996
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.8	59.3
148	64.4	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
8/1/2018 11:13:55 AM



#88

1,2-Dibromo-3-Chloropropane

Concen: 15.620 ug/l

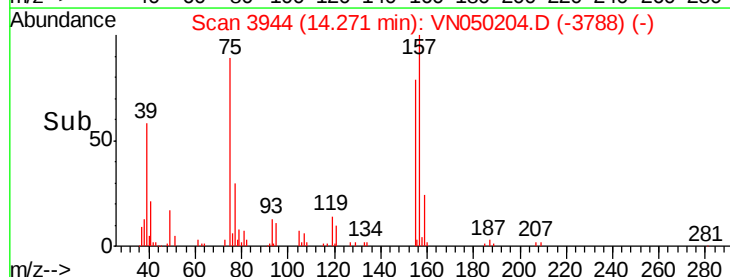
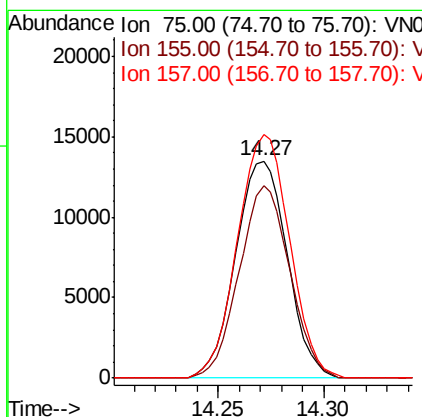
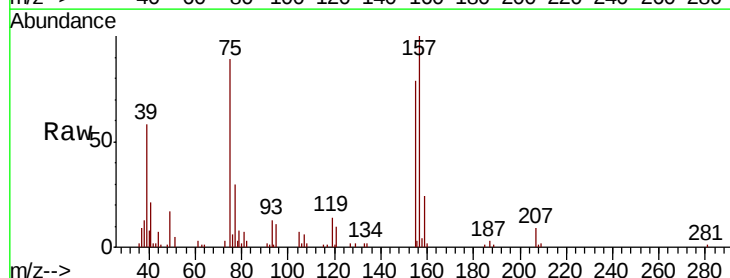
RT: 14.27 min Scan# 3944

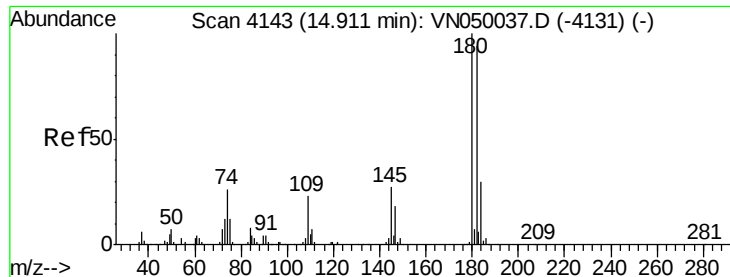
Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Tgt Ion:	75	Resp:	23029
Ion Ratio	Lower	Upper	
75	100		
155	86.8	73.0	109.6
157	113.3	94.9	142.3





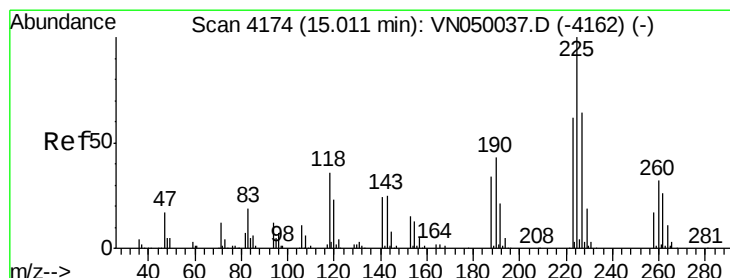
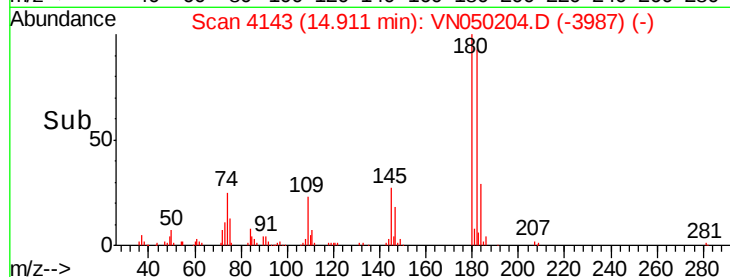
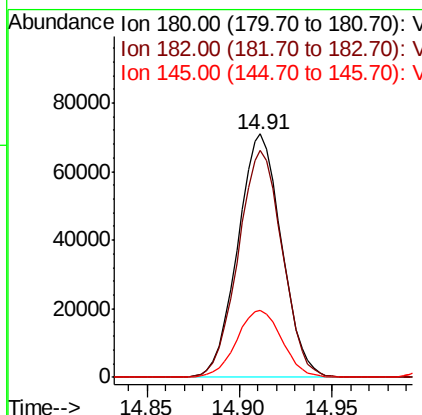
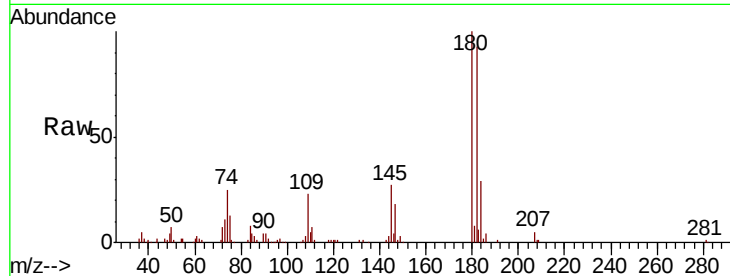
#89
 1,2,4-Trichlorobenzene
 Concen: 15.582 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0731WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	116312		
182	94.0	76.7	115.1	
145	28.3	23.4	35.0	

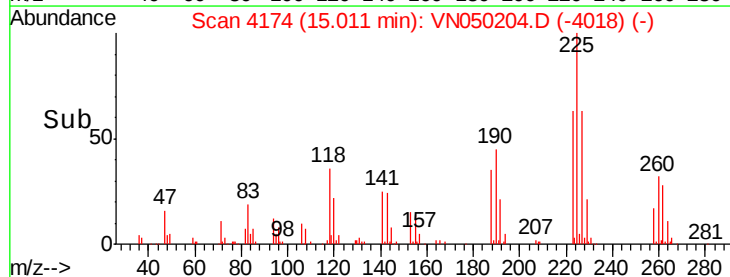
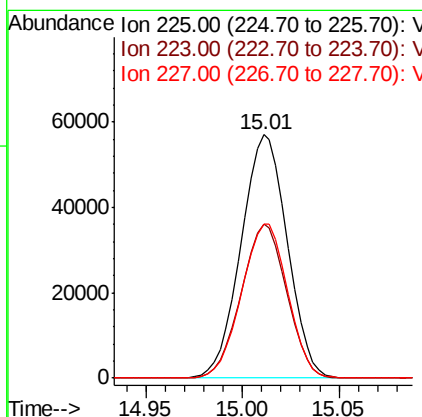
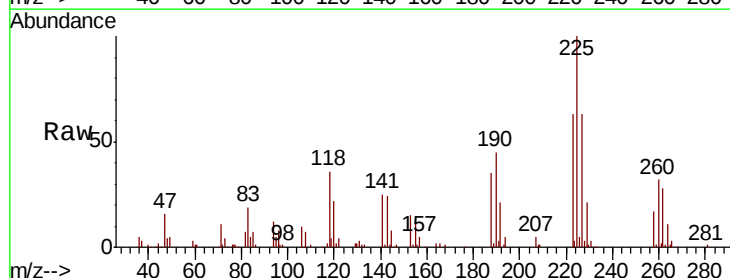
Manual Integrations
 APPROVED

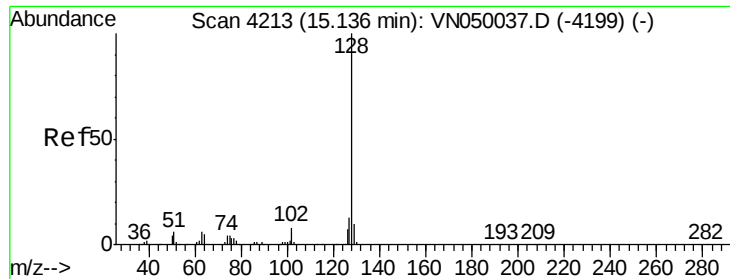
MMDadoda
 8/1/2018 11:13:55 AM



#90
 Hexachlorobutadiene
 Concen: 19.248 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	94728		
223	62.5	0.0	124.4	
227	63.0	0.0	133.0	





#91

Naphthalene

Concen: 16.579 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

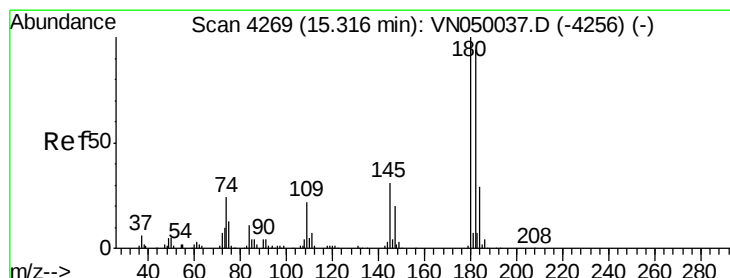
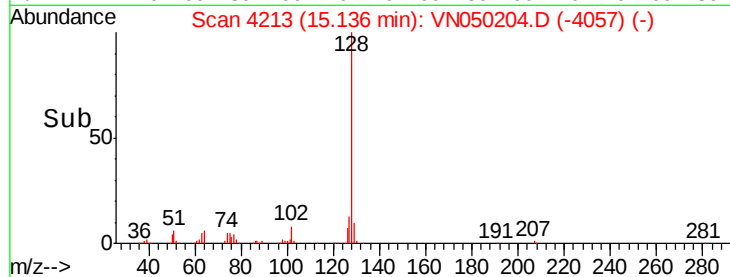
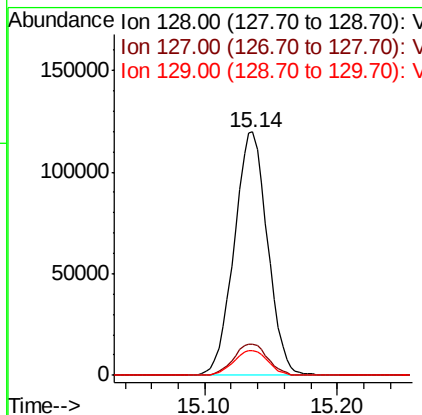
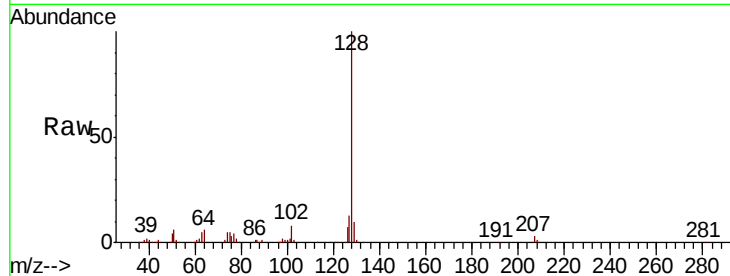
ClientSampleId :

VN0731WBS01

Tot Ion	128	Resp	209132
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.2	15.4
129	10.6	9.0	13.4

Manual Integrations
APPROVED

MMDadoda
8/1/2018 11:13:55 AM



#92

1,2,3-Trichlorobenzene

Concen: 15.884 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Tgt Ion	180	Resp	120586
Ion Ratio	Lower	Upper	
180	100		
182	97.7	0.0	188.8
145	31.1	0.0	60.8

