

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100818\
 Data File : VN051722.D
 Acq On : 8 Oct 2018 9:37
 Operator : MD\SY
 Sample : VN1008MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBS01

Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 11:48:36 AM

Quant Time: Oct 09 04:19:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	578749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	854094	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	783934	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	397242	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	369943	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
35) Dibromofluoromethane	7.59	113	335159	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
50) Toluene-d8	10.09	98	1238587	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
62) 4-Bromofluorobenzene	12.40	95	393842	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	155095	22.085	ug/l	97
3) Chloromethane	2.06	50	137795	20.863	ug/l	99
4) Vinyl Chloride	2.18	62	217039	20.861	ug/l	100
5) Bromomethane	2.57	94	149227	18.651	ug/l	97
6) Chloroethane	2.70	64	143558	20.530	ug/l	100
7) Trichlorofluoromethane	3.01	101	249493	22.284	ug/l	100
8) Diethyl Ether	3.41	74	65866	21.725	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	122968	21.265	ug/l	95
10) Methyl Iodide	3.95	142	127628	18.250	ug/l	99
11) Tert butyl alcohol	4.80	59	52158	100.381	ug/l #	94
12) 1,1-Dichloroethene	3.74	96	112042	20.788	ug/l	92
13) Acrolein	3.61	56	29059	89.517	ug/l	99
14) Allyl chloride	4.33	41	163851	19.932	ug/l	99
15) Acrylonitrile	5.00	53	175717	98.000	ug/l	98
16) Acetone	3.82	43	146272	103.169	ug/l	99
17) Carbon Disulfide	4.05	76	306891	18.733	ug/l	99
18) Methyl Acetate	4.33	43	89917	21.307	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	351097	19.735	ug/l	100
20) Methylene Chloride	4.55	84	123951	19.705	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	122316	19.151	ug/l	95
22) Diisopropyl ether	5.95	45	343571	19.498	ug/l	98
23) Vinyl Acetate	5.90	43	1270561	98.063	ug/l	99
24) 1,1-Dichloroethane	5.85	63	217855	19.223	ug/l	97
25) 2-Butanone	6.84	43	222032	100.569	ug/l	97
26) 2,2-Dichloropropane	6.83	77	219255	19.306	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	143962	19.417	ug/l	97
28) Bromochloromethane	7.20	49	95814	19.097	ug/l	98
29) Tetrahydrofuran	7.22	42	138840	102.478	ug/l	99
30) Chloroform	7.37	83	249311	19.580	ug/l	96
31) Cyclohexane	7.66	56	201726	19.436	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	234526	19.002	ug/l	100
36) 1,1-Dichloropropene	7.80	75	177124	19.840	ug/l	98
37) Ethyl Acetate	6.94	43	101272	21.750	ug/l	98
38) Carbon Tetrachloride	7.78	117	211853	19.777	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100818\
 Data File : VN051722.D
 Acq On : 8 Oct 2018 9:37
 Operator : MD\SY
 Sample : VN1008MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1008MBS01

Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 11:48:36 AM

Quant Time: Oct 09 04:19:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	226238	20.188	ug/l	99
40) Benzene	8.04	78	523509	19.781	ug/l	96
41) Methacrylonitrile	7.18	41	52871	21.870	ug/l	96
42) 1,2-Dichloroethane	8.13	62	180379	20.224	ug/l	99
43) Isopropyl Acetate	8.17	43	207229	21.347	ug/l #	88
44) Trichloroethene	8.84	130	154261	20.528	ug/l	99
45) 1,2-Dichloropropane	9.12	63	130130	19.888	ug/l	98
46) Dibromomethane	9.21	93	91229	20.059	ug/l	99
47) Bromodichloromethane	9.40	83	199056	19.882	ug/l	99
48) Methyl methacrylate	9.20	41	92241	20.795	ug/l	99
49) 1,4-Dioxane	9.20	88	27713	416.651	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	533924	108.541	ug/l	97
52) Toluene	10.16	92	340554	19.347	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	193732	18.753	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	211199	19.252	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	126201	20.126	ug/l	96
56) Ethyl methacrylate	10.43	69	158087	19.936	ug/l	94
57) 1,3-Dichloropropane	10.71	76	200247	20.178	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	318716	97.116	ug/l	99
59) 2-Hexanone	10.75	43	341534	102.234	ug/l	98
60) Dibromochloromethane	10.90	129	157055	19.140	ug/l	98
61) 1,2-Dibromoethane	11.01	107	131955	19.906	ug/l	98
64) Tetrachloroethene	10.63	164	145355	21.017	ug/l	98
65) Chlorobenzene	11.44	112	383027	19.728	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	149743	19.262	ug/l	97
67) Ethyl Benzene	11.51	91	671355	20.006	ug/l	99
68) m/p-Xylenes	11.62	106	526177	39.187	ug/l	100
69) o-Xylene	11.95	106	262877	19.963	ug/l	99
70) Styrene	11.97	104	395106	18.830	ug/l	99
71) Bromoform	12.13	173	106709	18.454	ug/l #	100
73) Isopropylbenzene	12.25	105	698224	20.619	ug/l	100
74) N-amyl acetate	12.07	43	160066	20.965	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	152030	20.903	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	133821m	25.066	ug/l	
77) Bromobenzene	12.53	156	164220	19.834	ug/l	99
78) n-propylbenzene	12.59	91	758739	20.543	ug/l	99
79) 2-Chlorotoluene	12.67	91	442667	20.336	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	584141	20.470	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	41090	19.014	ug/l	92
82) 4-Chlorotoluene	12.77	91	435653	19.923	ug/l	99
83) tert-Butylbenzene	12.99	119	533585	20.867	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	589054	20.608	ug/l	100
85) sec-Butylbenzene	13.17	105	708755	20.954	ug/l	99
86) p-Isopropyltoluene	13.29	119	617296	20.586	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	290401	20.128	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	277434	19.536	ug/l	99
89) n-Butylbenzene	13.62	91	472559	19.932	ug/l	99
90) Hexachloroethane	13.88	117	124103	20.744	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	279011	19.453	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24911	20.942	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100818\
Data File : VN051722.D
Acq On : 8 Oct 2018 9:37
Operator : MD\SY
Sample : VN1008MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 5 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

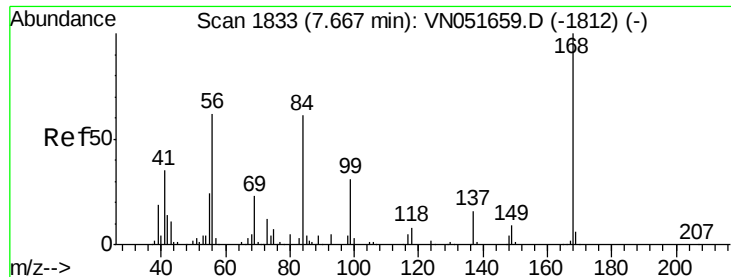
Manual Integrations
APPROVED

MMDadoda
10/10/2018 11:48:36 AM

Quant Time: Oct 09 04:19:37 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 05 02:22:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	110481	17.311	ug/l	99
94) Hexachlorobutadiene	15.01	225	89649	20.703	ug/l	99
95) Naphthalene	15.13	128	224477	16.288	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	114547	18.224	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBS01

Tot Ion:168 Resp: 578749

Ion Ratio Lower Upper

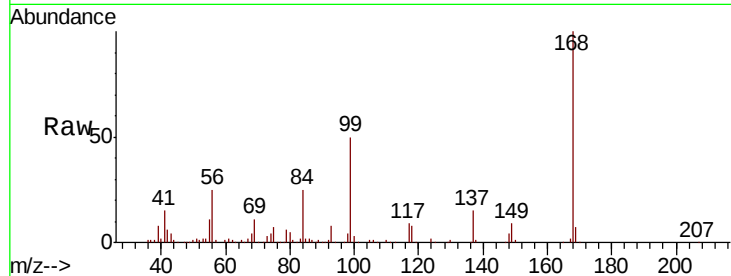
168 100

99 49.8 40.4 60.6

Manual Integrations
APPROVED

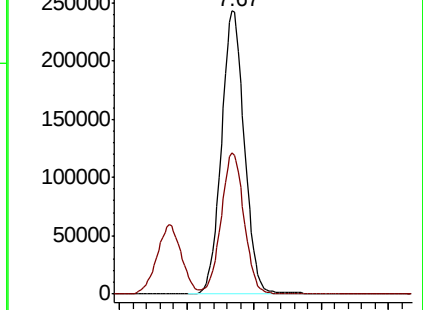
MMDadoda

10/10/2018 11:48:36 AM

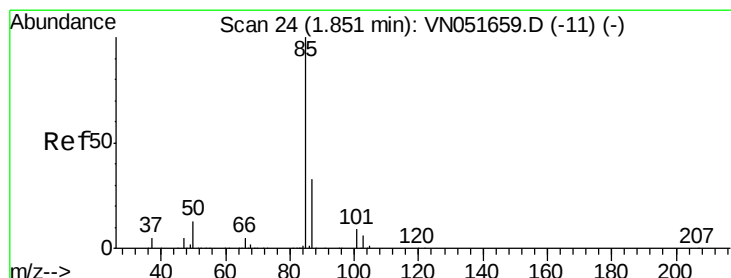
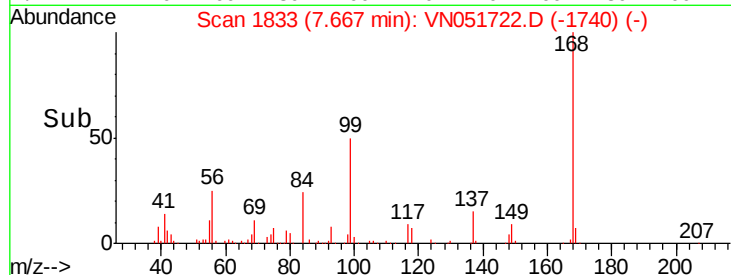


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



Time-->



#2

Dichlorodifluoromethane

Concen: 22.085 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051722.D

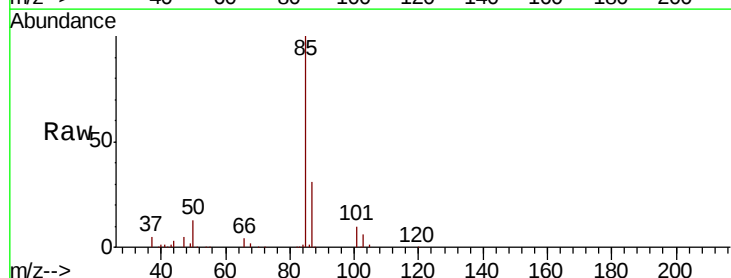
Acq: 8 Oct 2018 9:37

Tgt Ion: 85 Resp: 155095

Ion Ratio Lower Upper

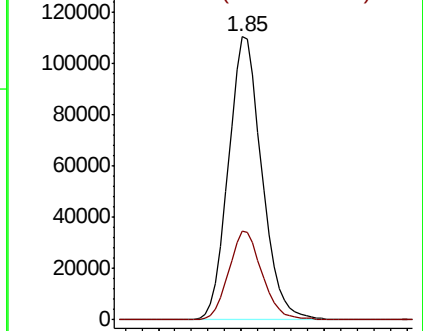
85 100

87 31.2 16.4 49.4

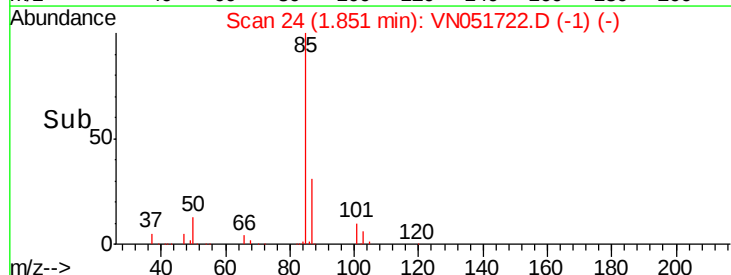


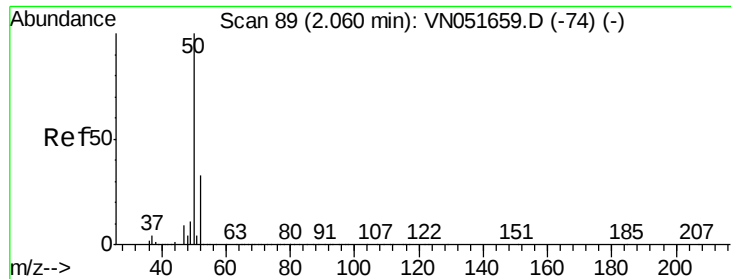
Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO



Time-->





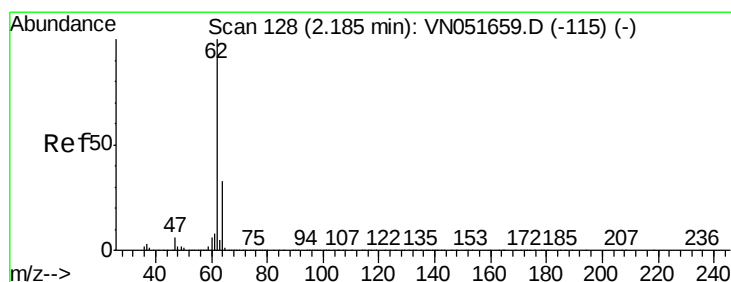
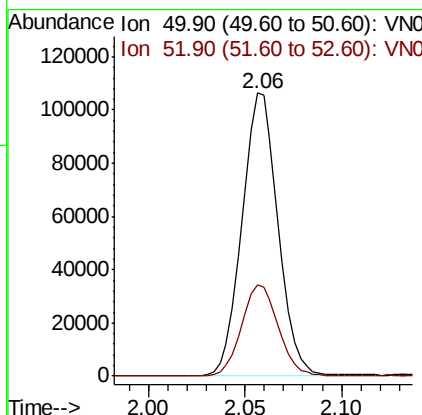
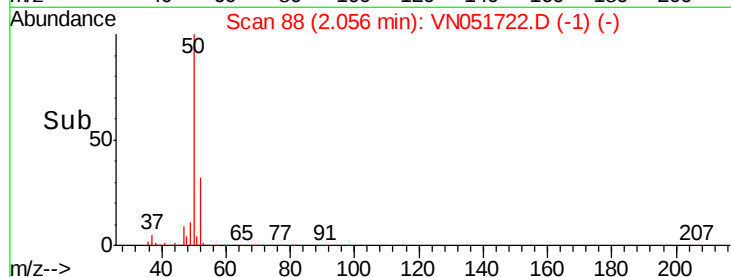
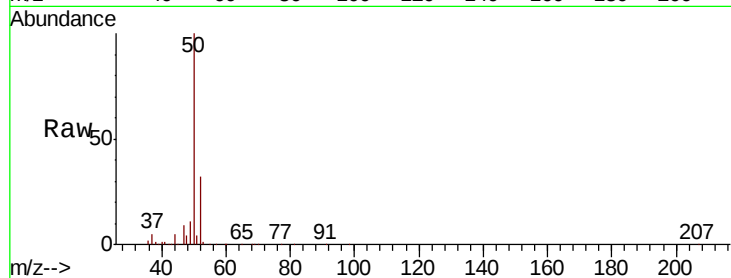
#3
Chloromethane
Concen: 20.863 ug/l
RT: 2.06 min Scan# 88
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.6	39.8

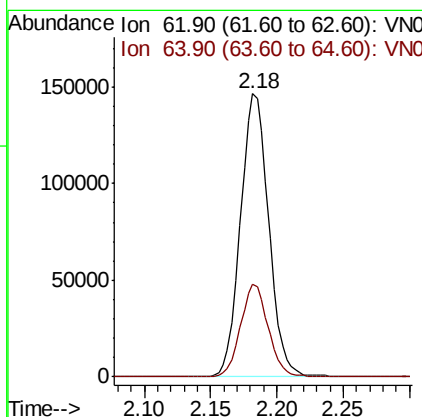
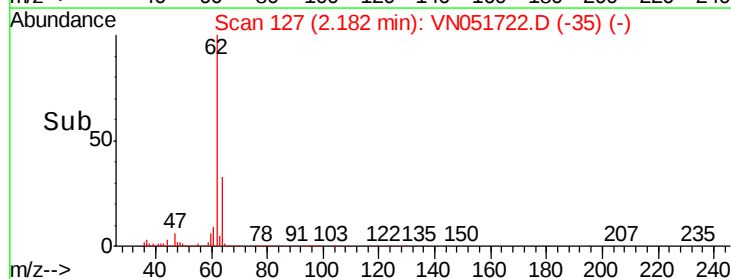
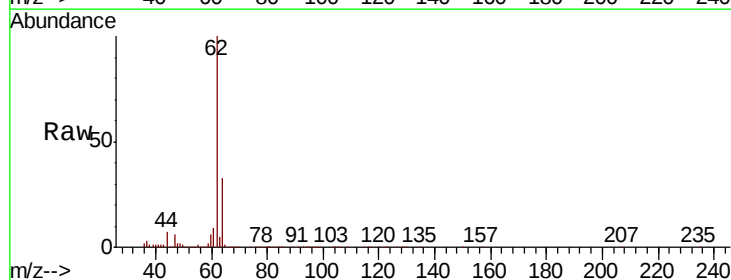
Manual Integrations
APPROVED

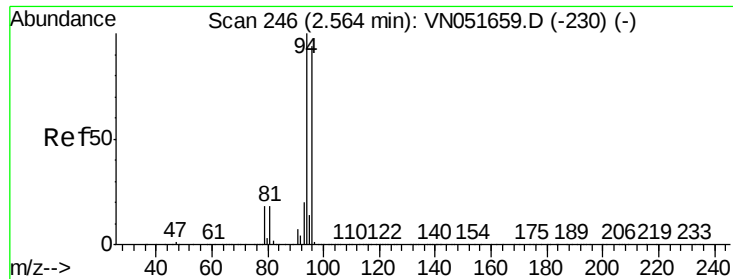
MMDadoda
10/10/2018 11:48:36 AM



#4
Vinyl Chloride
Concen: 20.861 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.2	39.4





#5

Bromomethane

Concen: 18.651 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBS01

Tot Ion: 94 Resp: 149227

Ion Ratio Lower Upper

94 100

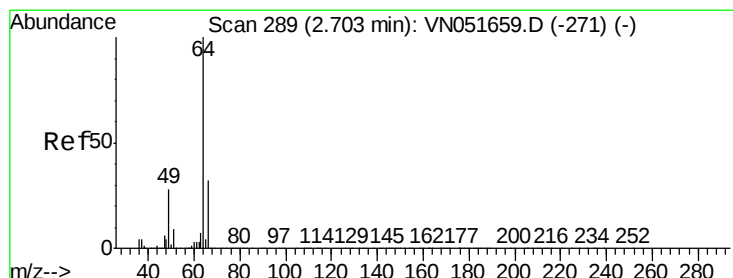
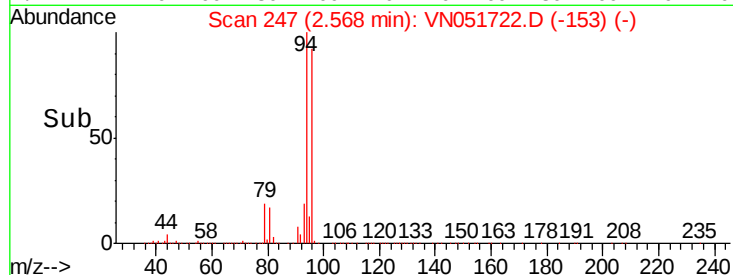
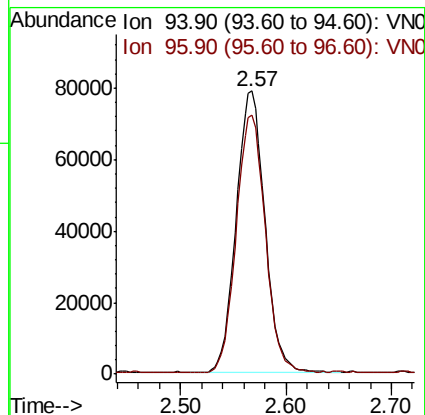
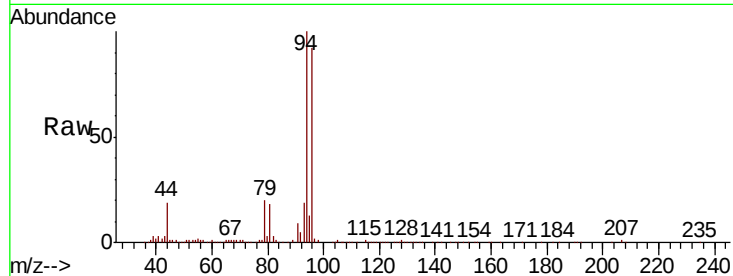
96 91.5 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

10/10/2018 11:48:36 AM



#6

Chloroethane

Concen: 20.530 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051722.D

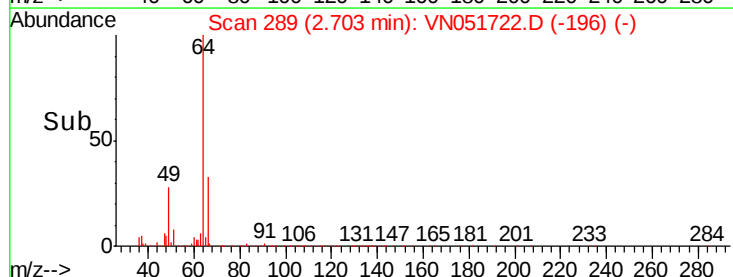
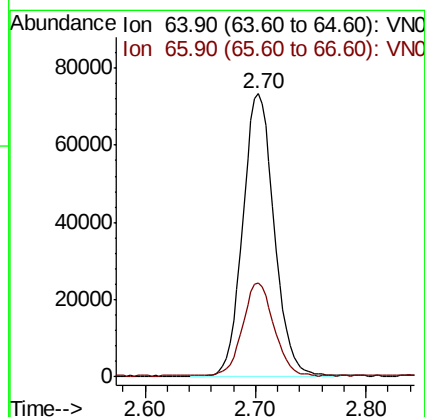
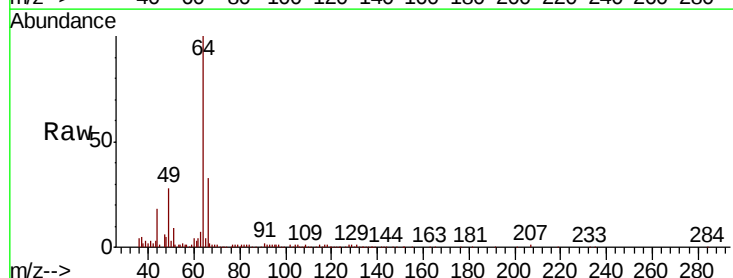
Acq: 8 Oct 2018 9:37

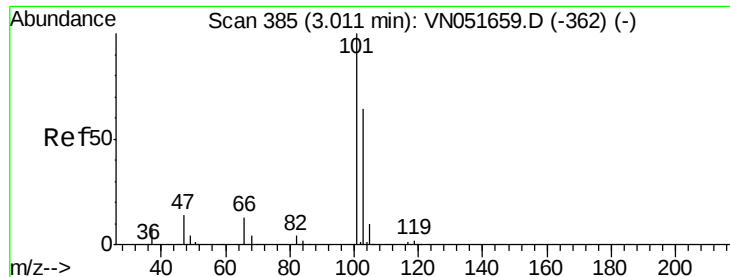
Tgt Ion: 64 Resp: 143558

Ion Ratio Lower Upper

64 100

66 32.7 26.0 39.0





#7

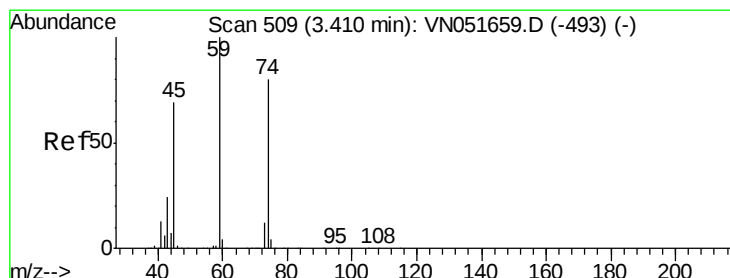
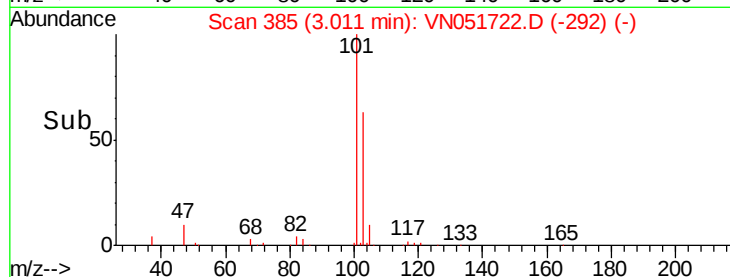
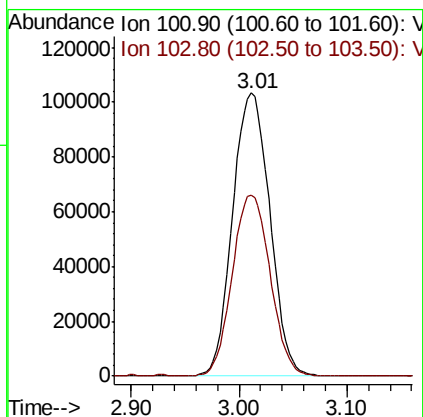
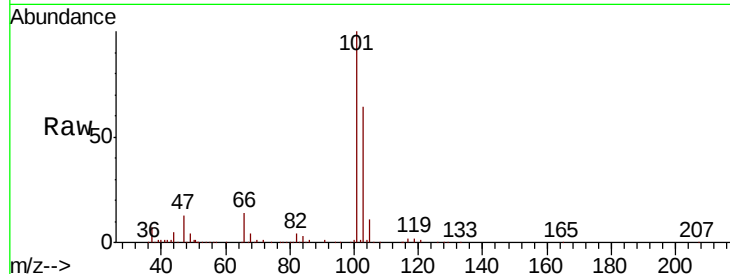
Trichlorofluoromethane
 Concen: 22.284 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.1	76.7

Manual Integrations
 APPROVED

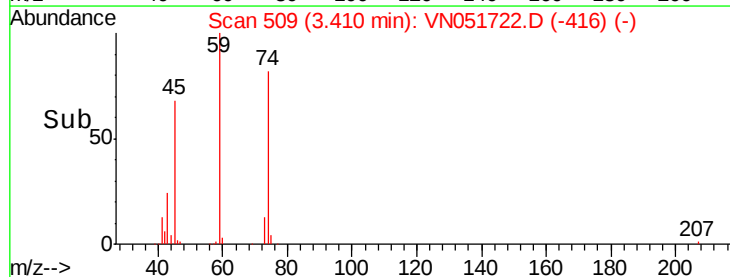
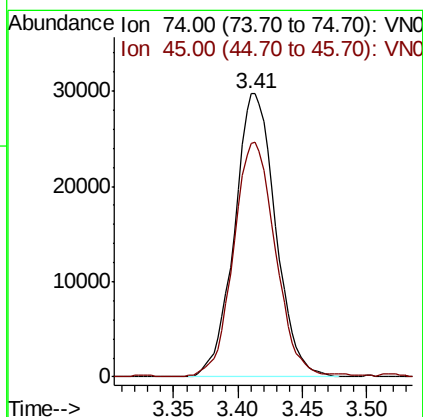
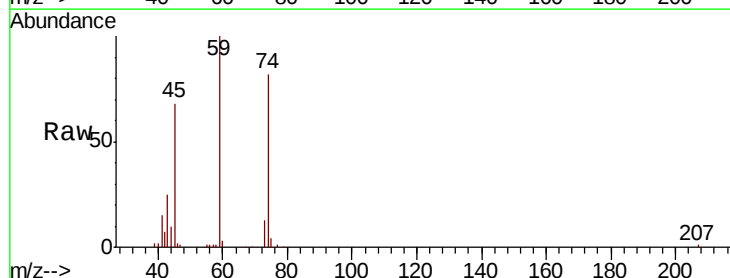
MMDadoda
 10/10/2018 11:48:36 AM

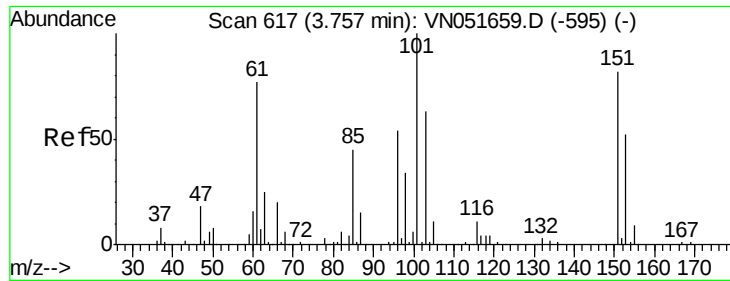


#8

Diethyl Ether
 Concen: 21.725 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	84.3	44.3	132.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.265 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

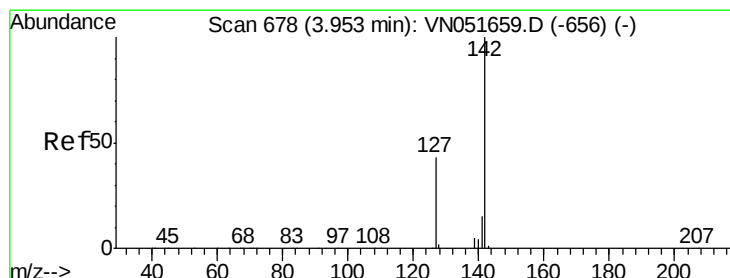
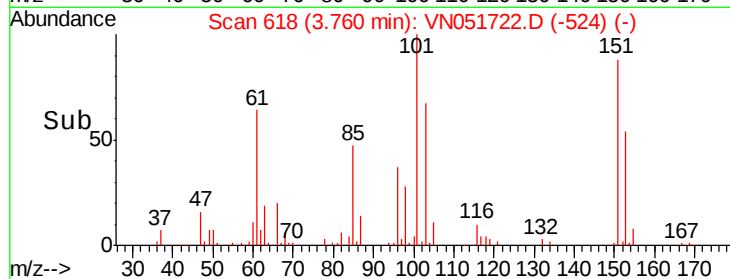
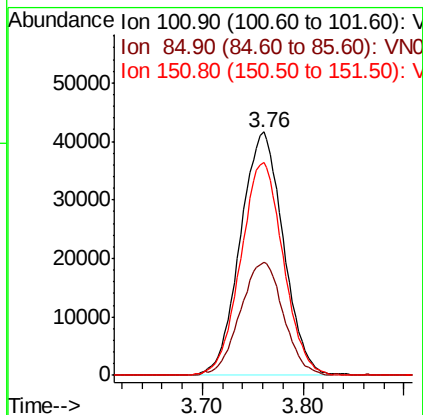
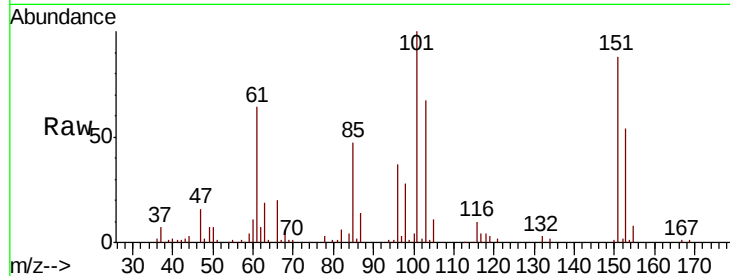
ClientSampleId :

VN1008MBS01

Tot Ion:	101	Resp:	122968
Ion Ratio	Lower	Upper	
101	100		
85	46.7	35.6	53.4
151	86.7	65.5	98.3

Manual Integrations
APPROVED

MMDadoda
10/10/2018 11:48:36 AM



#10

Methyl Iodide

Concen: 18.250 ug/l

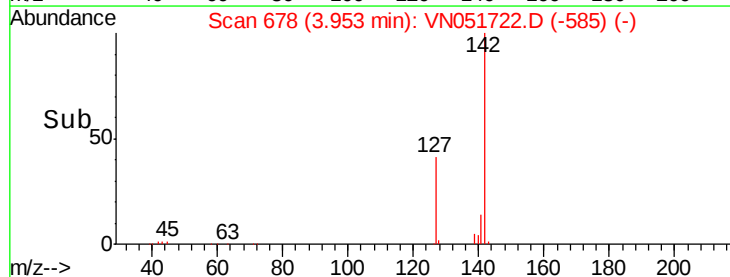
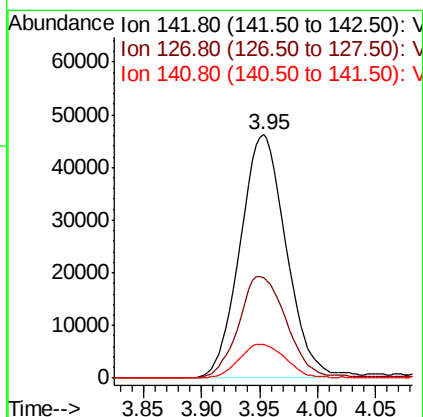
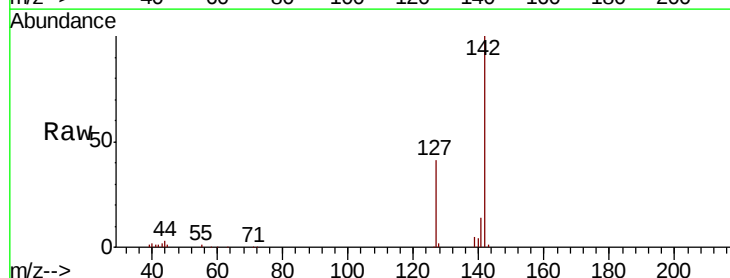
RT: 3.95 min Scan# 678

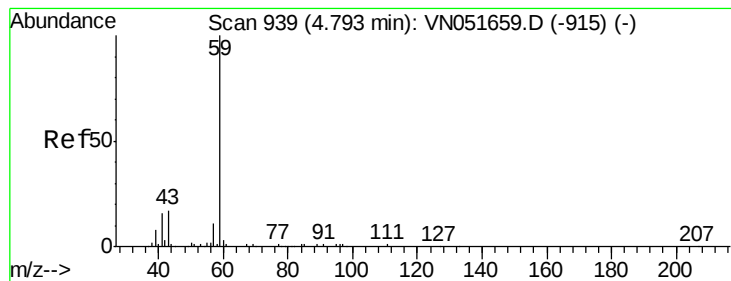
Delta R.T. 0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Tgt Ion:	142	Resp:	127628
Ion Ratio	Lower	Upper	
142	100		
127	43.8	34.7	52.1
141	14.1	11.4	17.2





#11

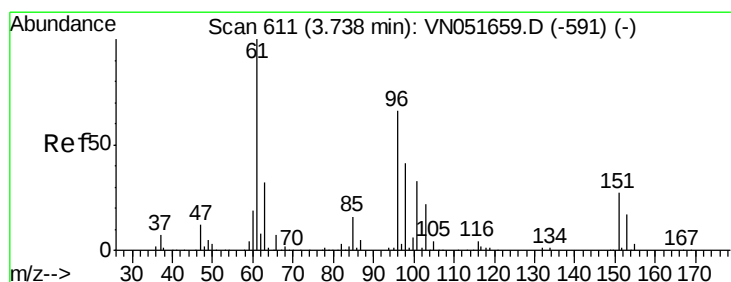
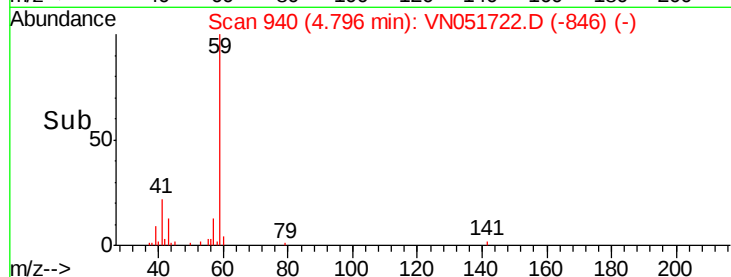
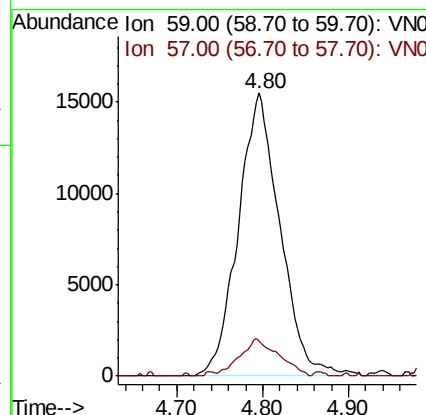
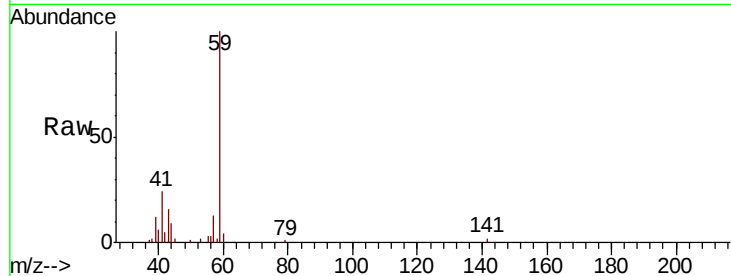
Tert butyl alcohol
Concen: 100.381 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.3	8.1	12.1#

Manual Integrations
APPROVED

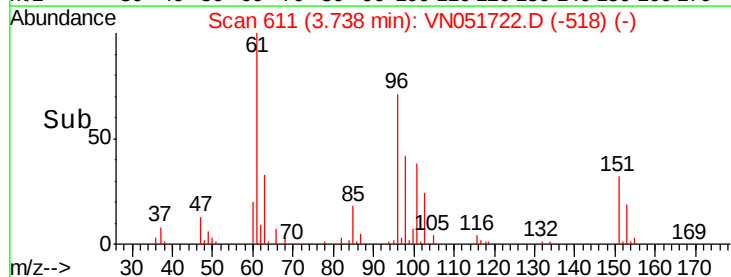
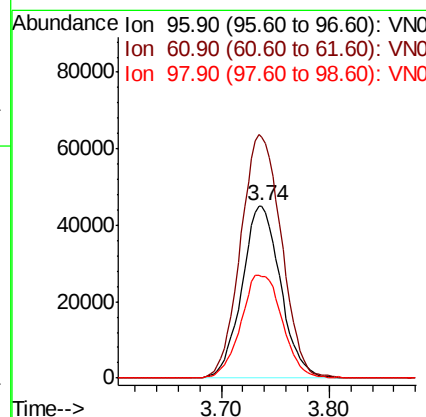
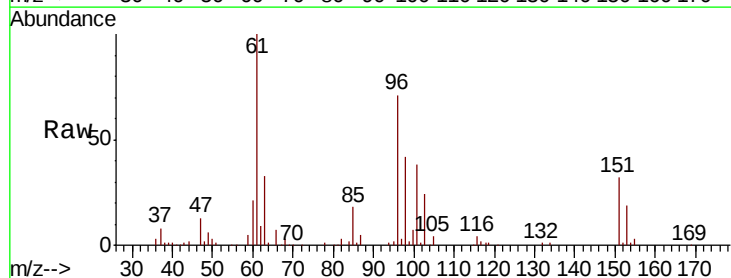
MMDadoda
10/10/2018 11:48:36 AM



#12

1,1-Dichloroethene
Concen: 20.788 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.0	121.4	182.0
98	58.9	49.9	74.9





#13

Acrolein

Concen: 89.517 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBS01

Tot Ion: 56 Resp: 29059

Ion Ratio Lower Upper

56 100

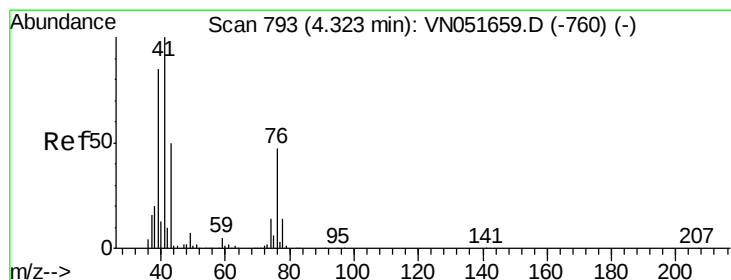
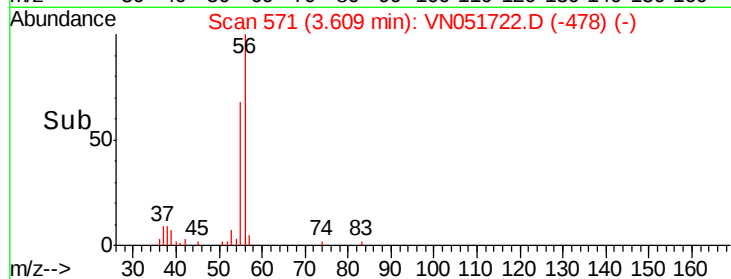
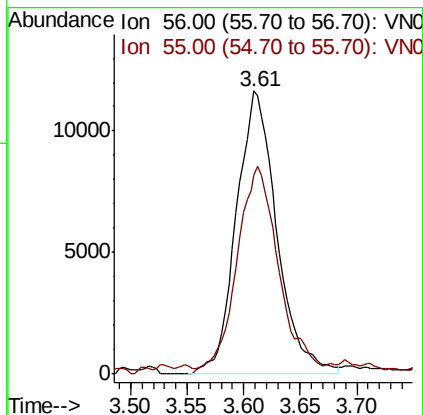
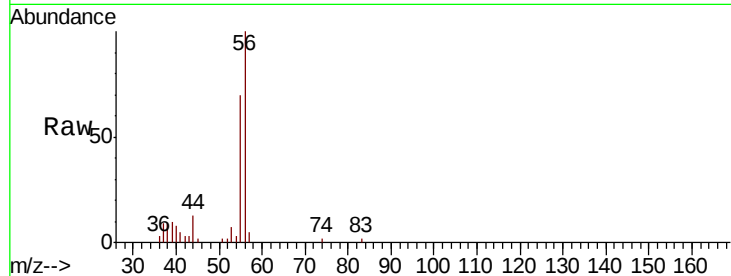
55 71.0 57.5 86.3

Manual Integrations

APPROVED

MMDadoda

10/10/2018 11:48:36 AM



#14

Allyl chloride

Concen: 19.932 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

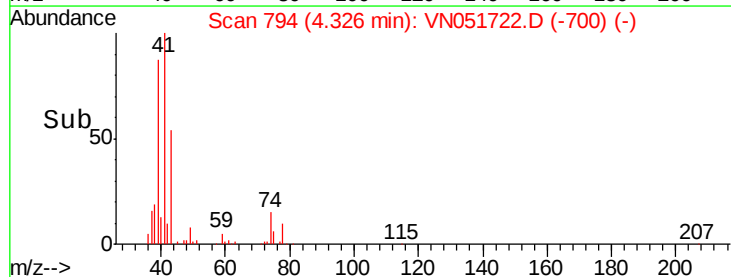
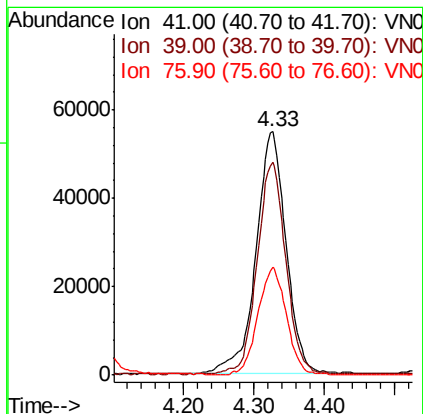
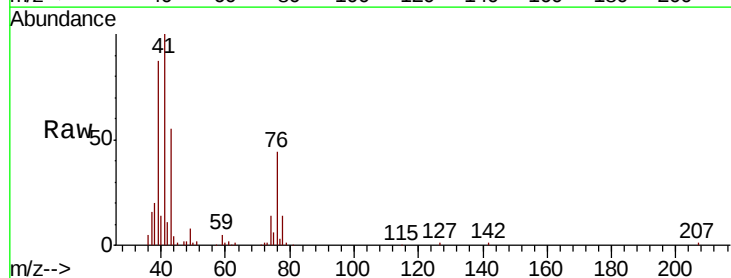
Tgt Ion: 41 Resp: 163851

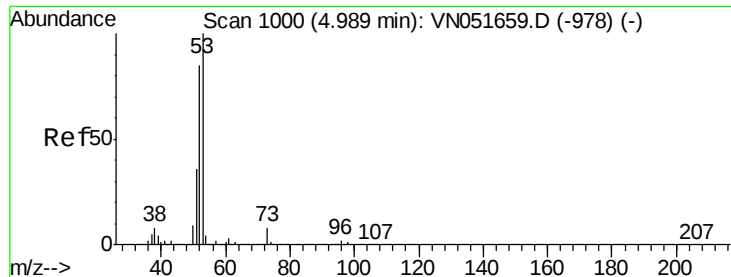
Ion Ratio Lower Upper

41 100

39 82.4 65.4 98.0

76 42.0 34.3 51.5





#15

Acrylonitrile

Concen: 98.000 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

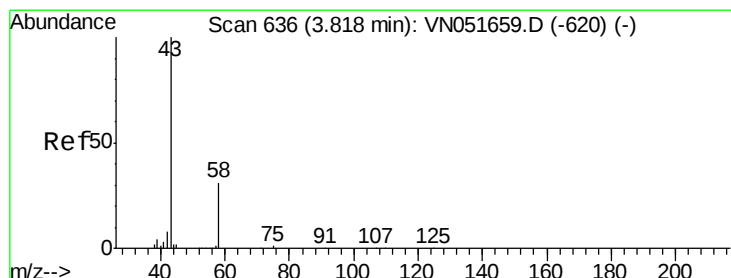
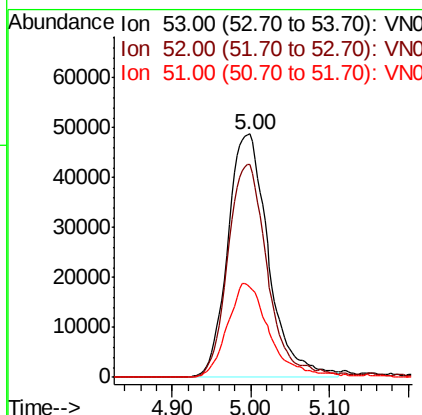
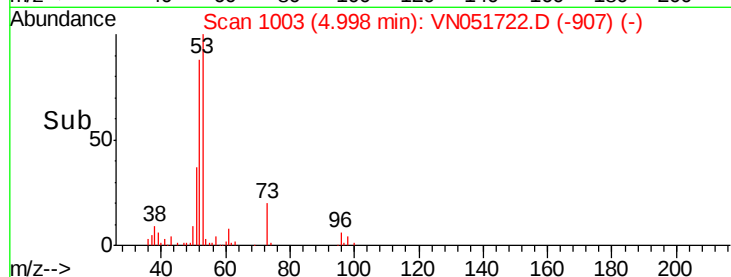
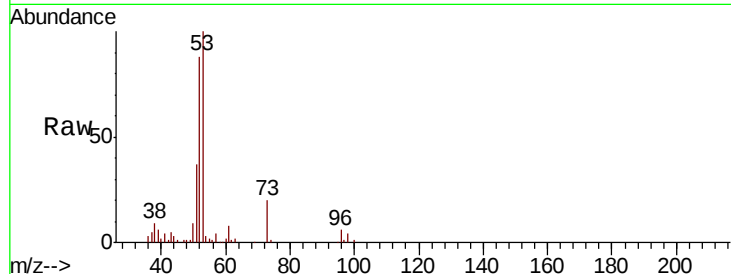
ClientSampleId :

VN1008MBS01

Tot Ion:	53	Resp:	175717
Ion Ratio	Lower	Upper	
53	100		
52	85.1	66.2	99.2
51	39.1	30.3	45.5

Manual Integrations
APPROVED

MMDadoda
10/10/2018 11:48:36 AM



#16

Acetone

Concen: 103.169 ug/l

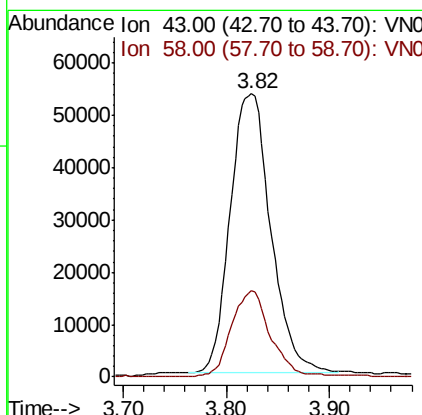
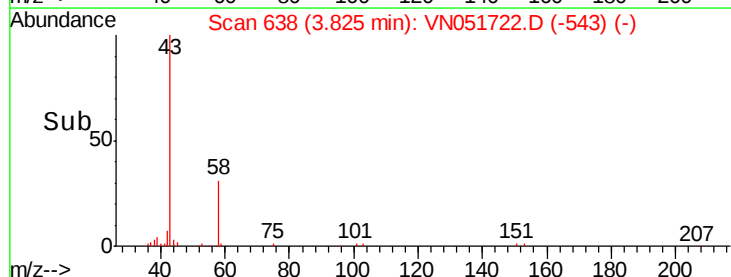
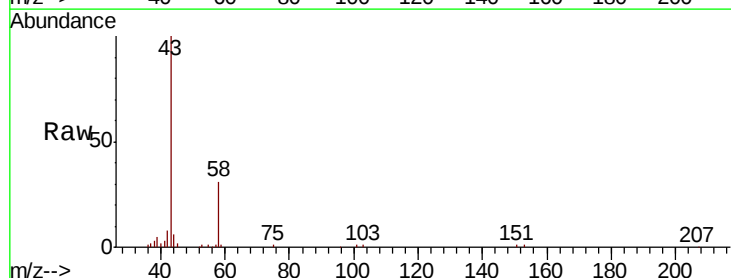
RT: 3.82 min Scan# 638

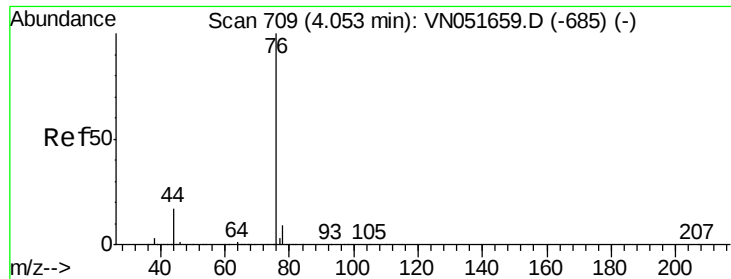
Delta R.T. 0.01 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Tgt Ion:	43	Resp:	146272
Ion Ratio	Lower	Upper	
43	100		
58	31.0	24.3	36.5





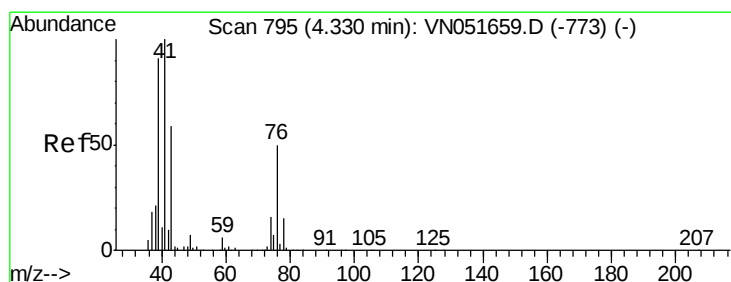
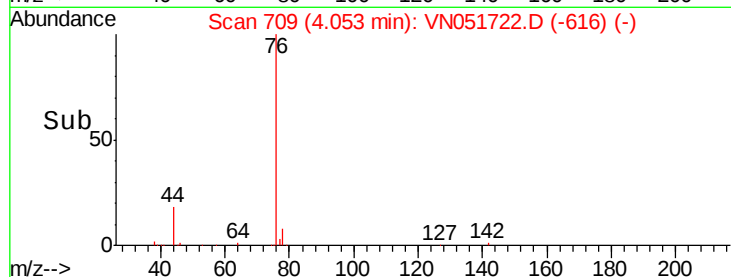
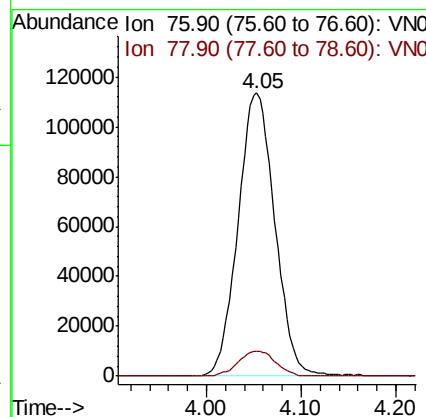
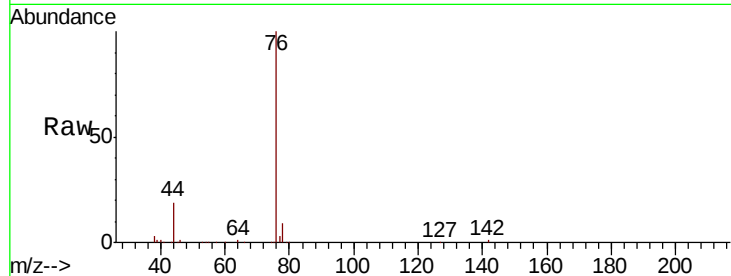
#17
Carbon Disulfide
Concen: 18.733 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

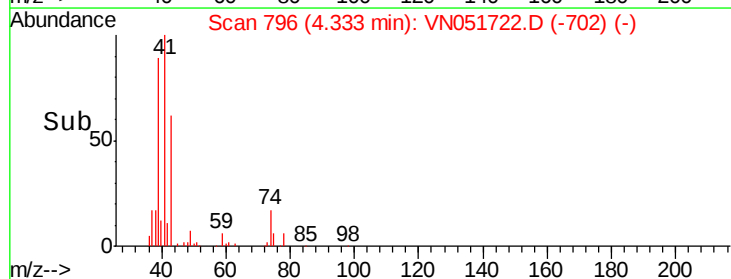
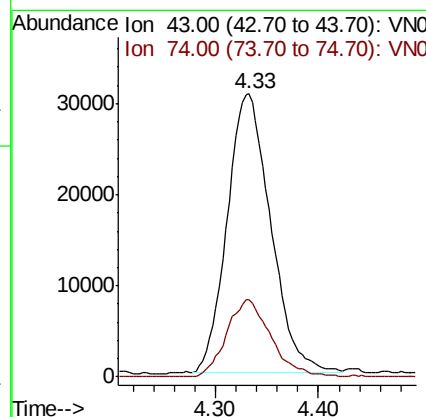
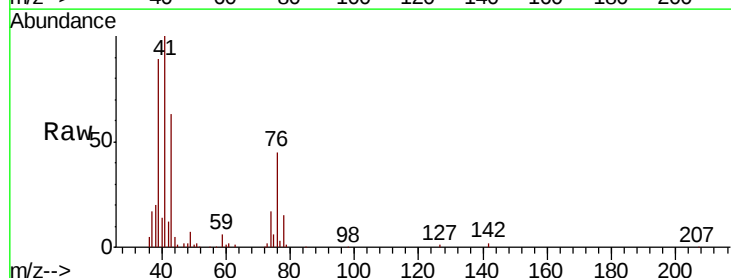
Manual Integrations
APPROVED

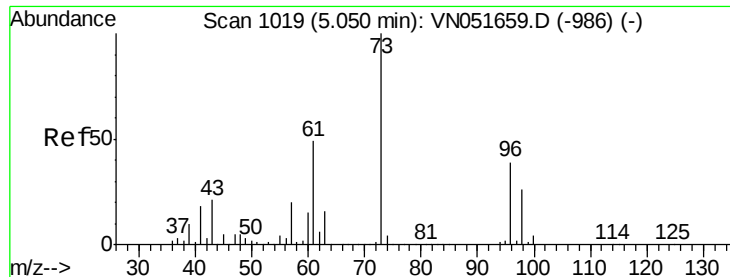
MMDadoda
10/10/2018 11:48:36 AM



#18
Methyl Acetate
Concen: 21.307 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.2	21.5	32.3





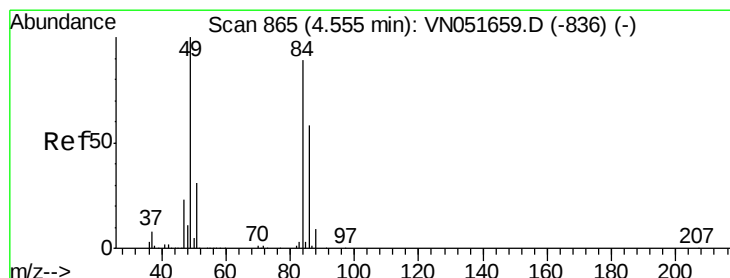
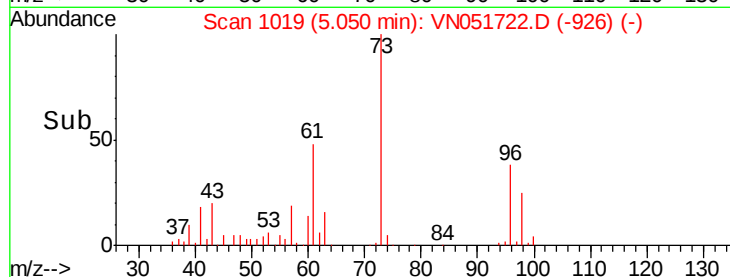
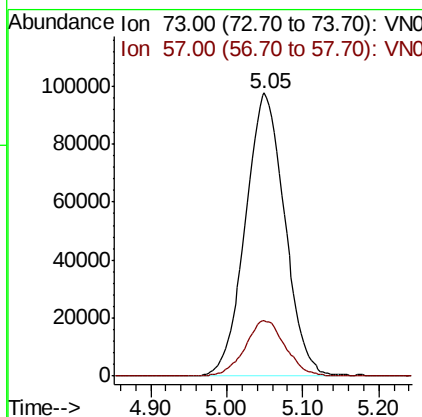
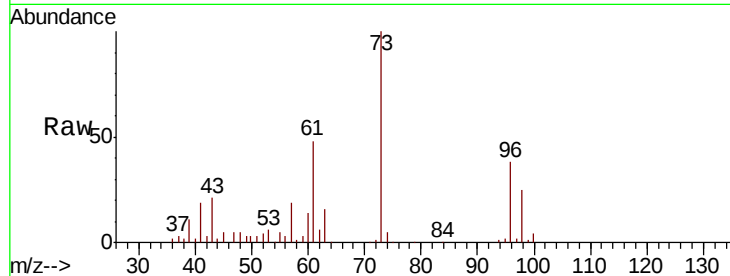
#19
Methvl tert-butvl Ether
Concen: 19.735 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

Tot Ion: 73 Resp: 351097
Ion Ratio Lower Upper
73 100
57 19.4 15.6 23.4

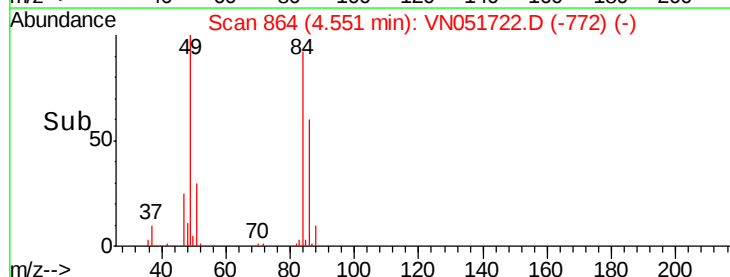
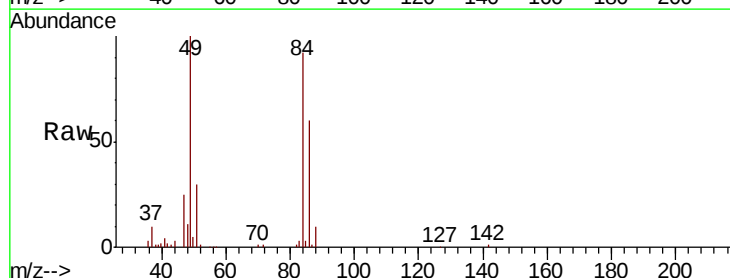
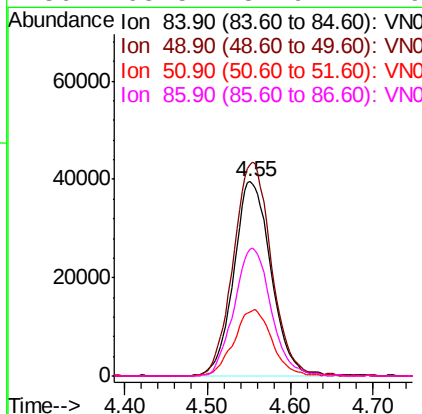
Manual Integrations
APPROVED

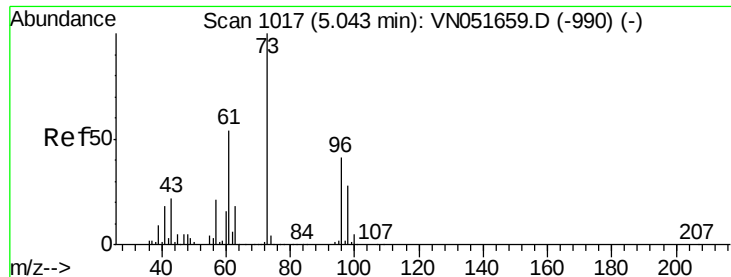
MMDadoda
10/10/2018 11:48:36 AM



#20
Methylene Chloride
Concen: 19.705 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion: 84 Resp: 123951
Ion Ratio Lower Upper
84 100
49 108.4 89.5 134.3
51 32.8 27.4 41.0
86 65.5 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 19.151 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

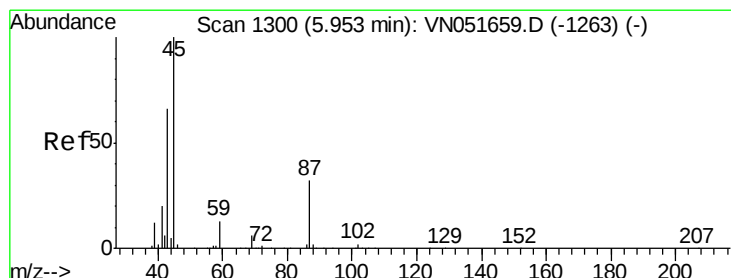
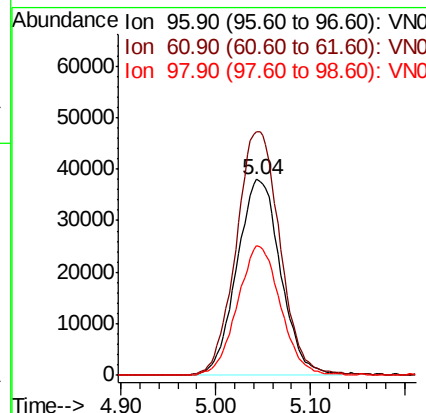
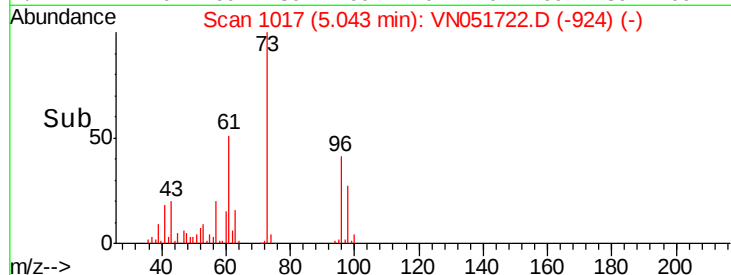
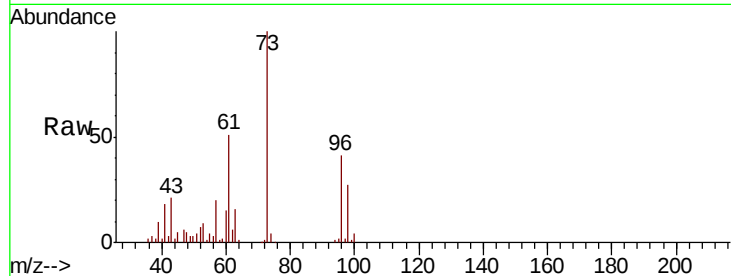
ClientSampleId :

VN1008MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.7	104.7	157.1
98	66.1	54.6	82.0

Manual Integrations
APPROVED

MMDadoda
10/10/2018 11:48:36 AM



#22

Diisopropyl ether

Concen: 19.498 ug/l

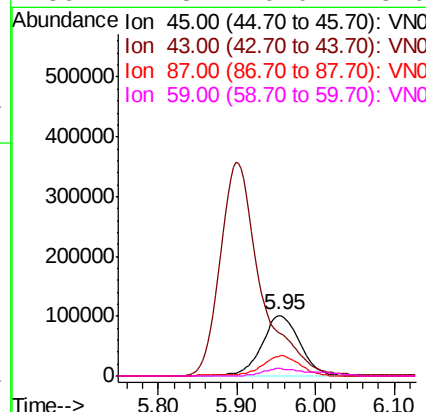
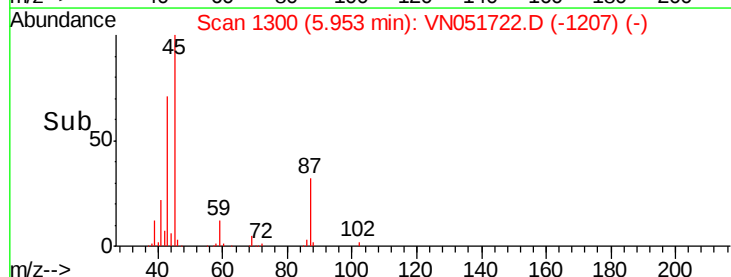
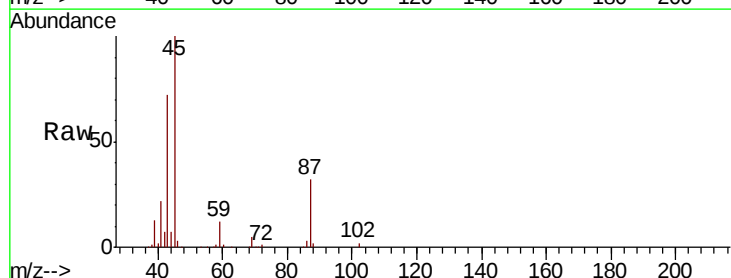
RT: 5.95 min Scan# 1300

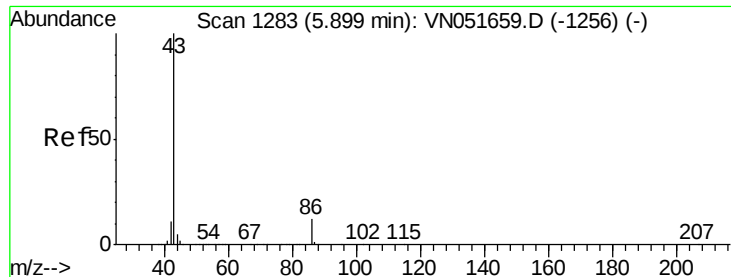
Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.1	53.0	79.4
87	32.1	26.4	39.6
59	11.8	10.0	15.0





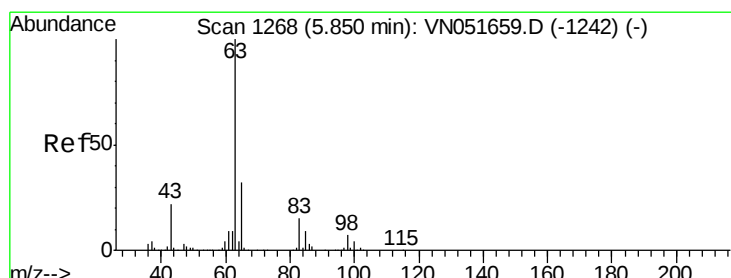
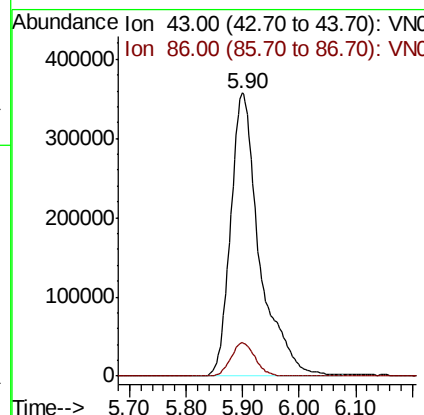
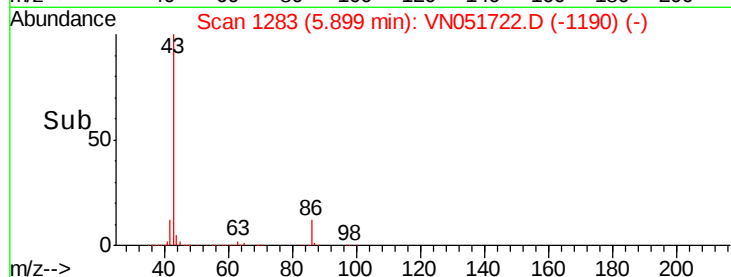
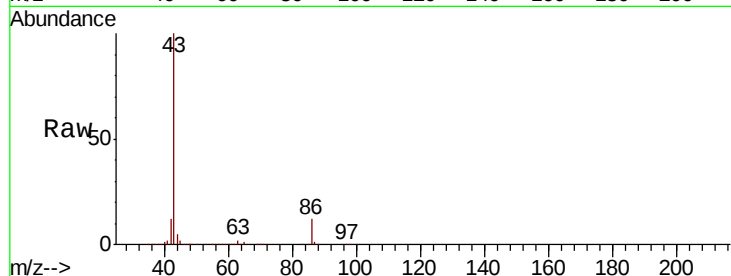
#23
 Vinyl Acetate
 Concen: 98.063 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBS01

Tot Ion: 43 Resp: 1270561
 Ion Ratio Lower Upper
 43 100
 86 11.8 9.3 13.9

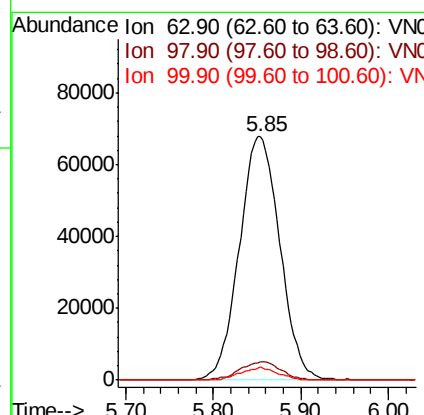
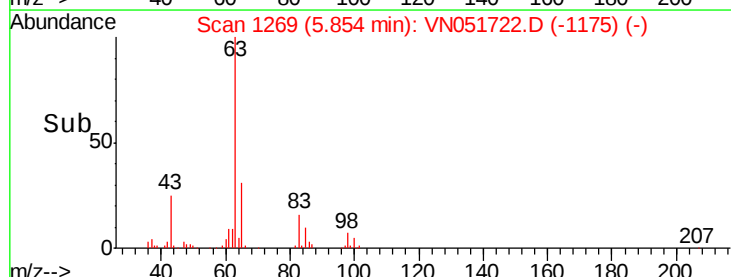
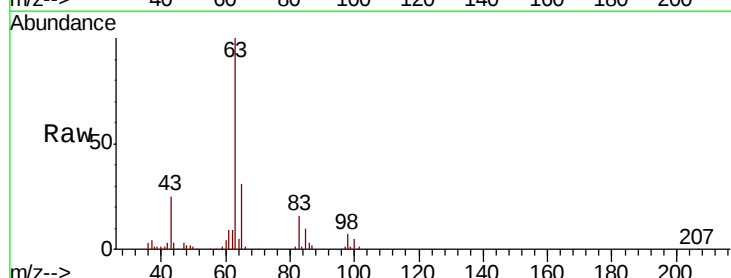
Manual Integrations
 APPROVED

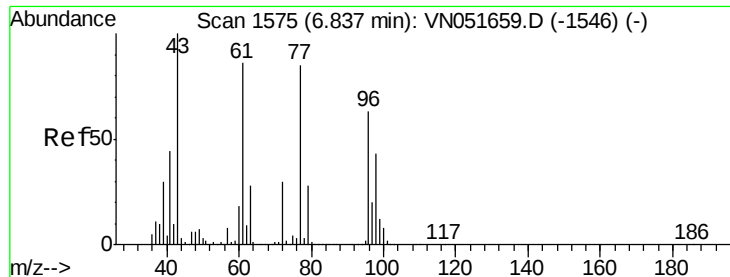
MMDadoda
 10/10/2018 11:48:36 AM



#24
 1,1-Dichloroethane
 Concen: 19.223 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Tgt Ion: 63 Resp: 217855
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.3 9.9
 100 5.2 2.2 6.6





#25

2-Butanone

Concen: 100.569 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBS01

Tot Ion: 43 Resp: 222032

Ion Ratio Lower Upper

43 100

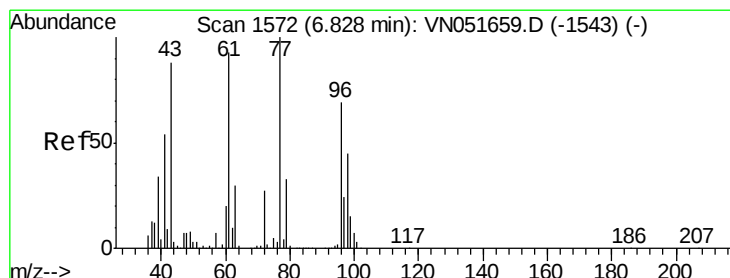
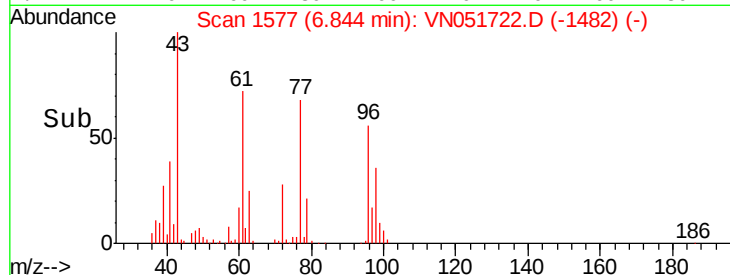
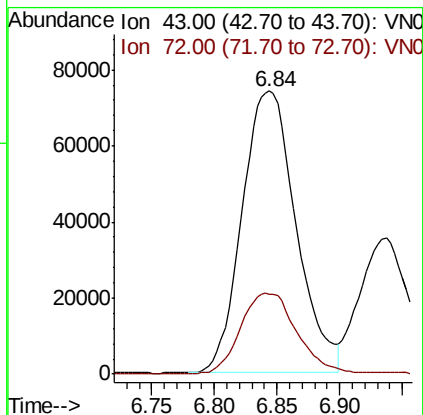
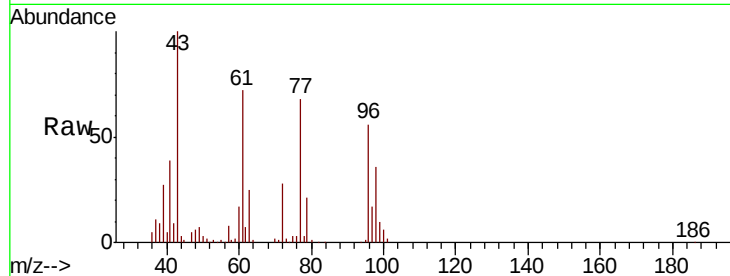
72 28.4 24.2 36.2

Manual Integrations

APPROVED

MMDadoda

10/10/2018 11:48:36 AM



#26

2,2-Dichloropropane

Concen: 19.306 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051722.D

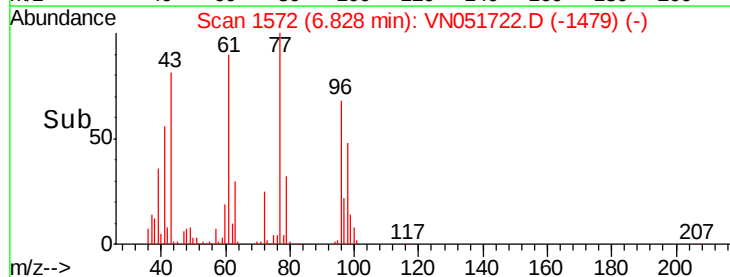
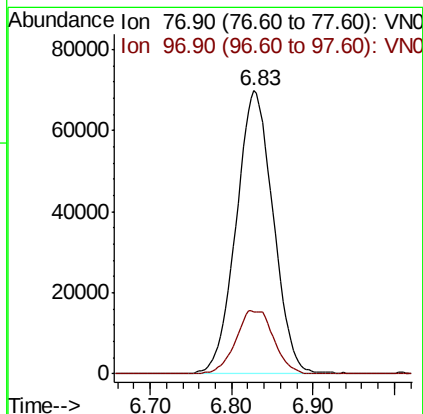
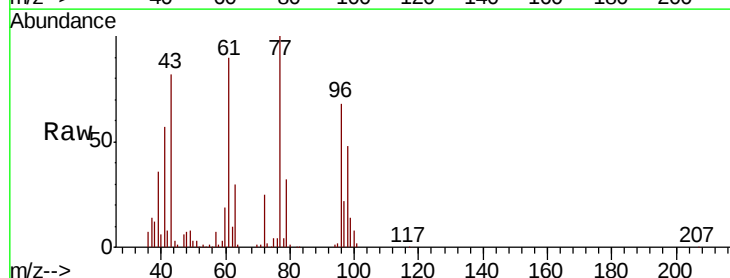
Acq: 8 Oct 2018 9:37

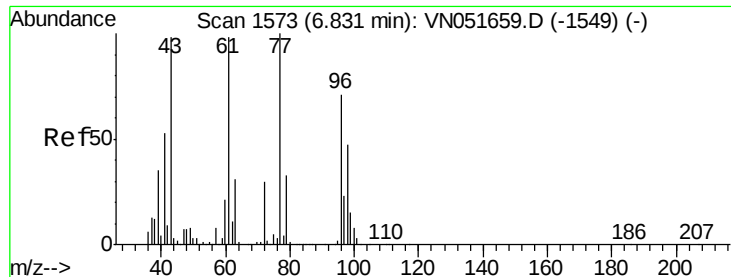
Tgt Ion: 77 Resp: 219255

Ion Ratio Lower Upper

77 100

97 22.8 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 19.417 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

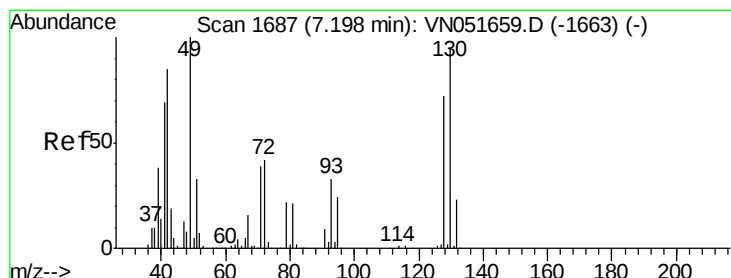
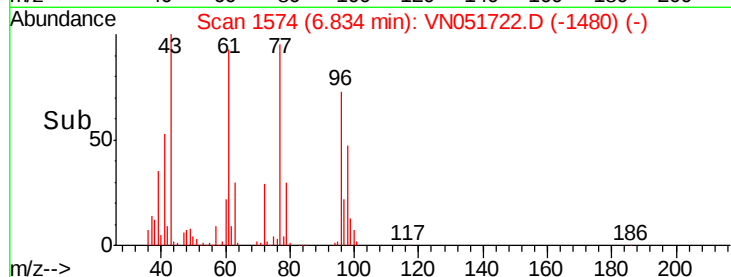
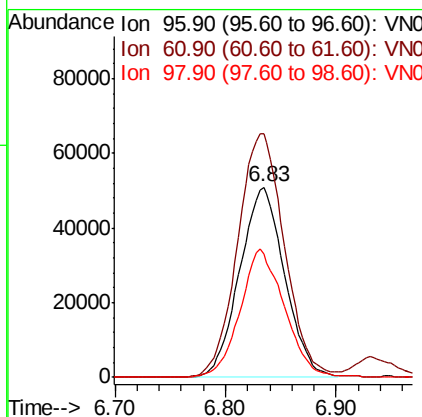
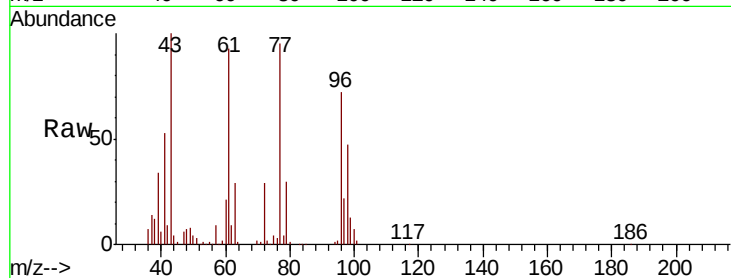
ClientSampleId :

VN1008MBS01

Tot Ion:	96	Resp:	143962
Ion Ratio	Lower	Upper	
96	100		
61	133.1	0.0	275.4
98	66.4	0.0	129.6

Manual Integrations
APPROVED

MMDadoda
10/10/2018 11:48:36 AM



#28

Bromochloromethane

Concen: 19.097 ug/l

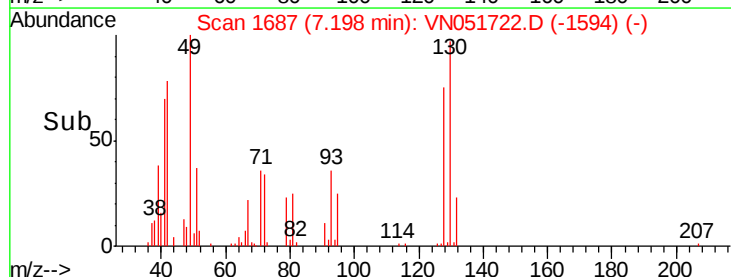
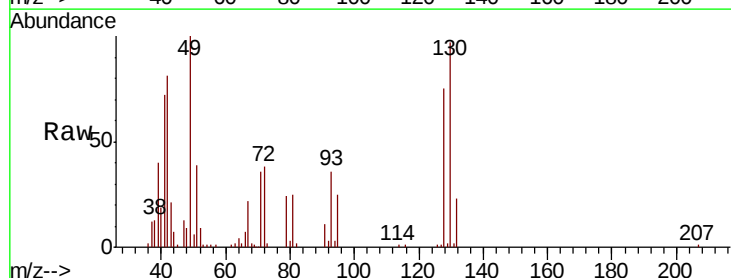
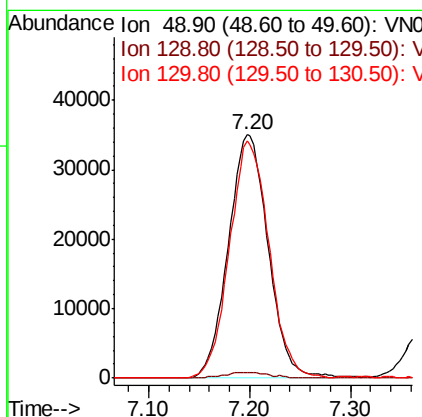
RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Tgt Ion:	49	Resp:	95814
Ion Ratio	Lower	Upper	
49	100		
129	2.6	0.0	4.8
130	96.8	75.7	113.5





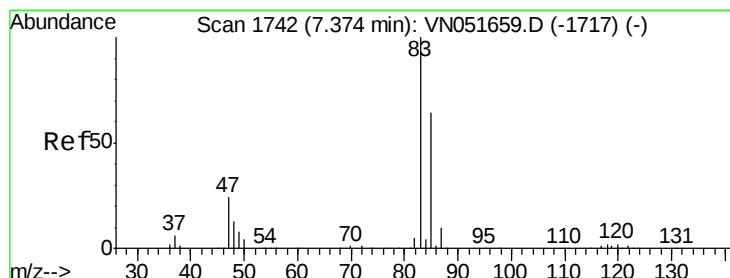
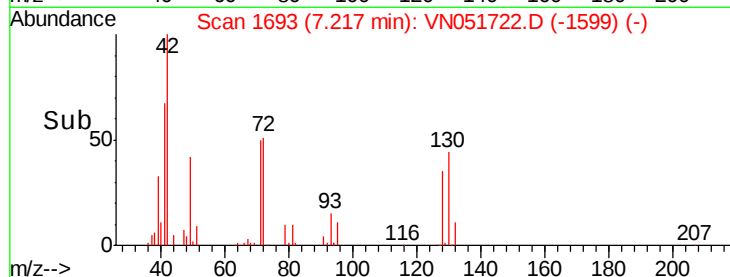
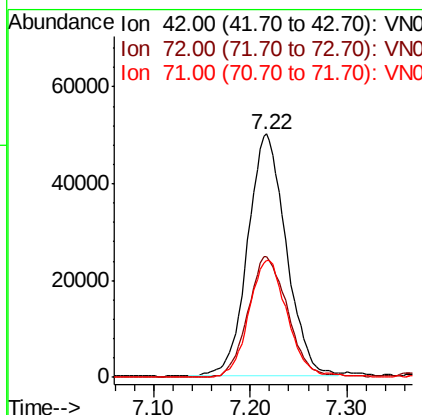
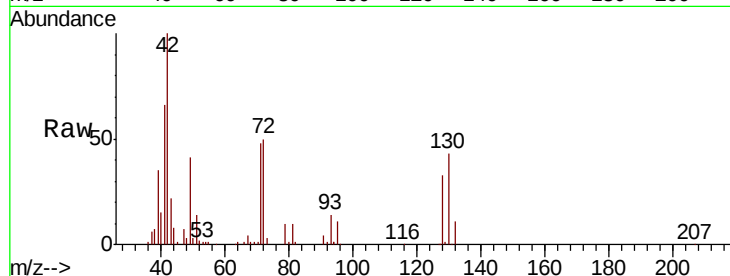
#29
Tetrahydrofuran
Concen: 102.478 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.5	40.1	60.1
71	47.7	38.0	57.0

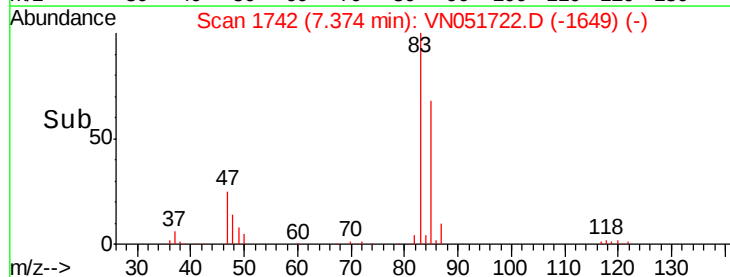
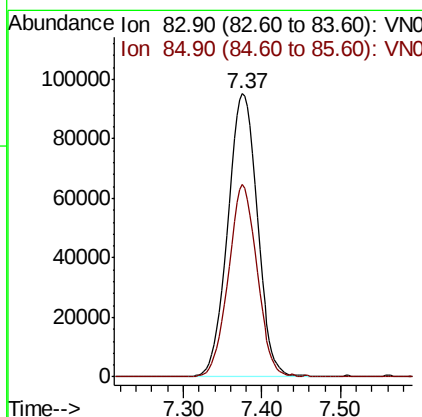
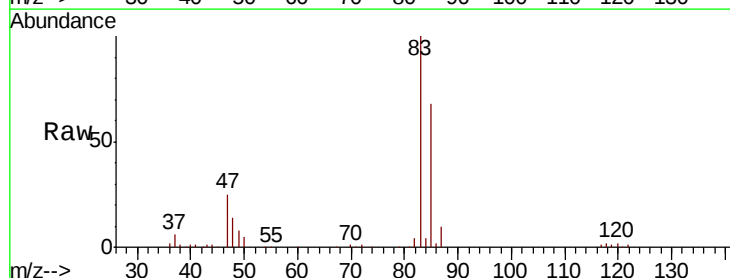
Manual Integrations
APPROVED

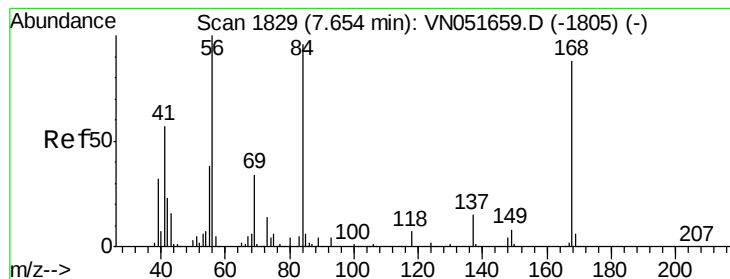
MMDadoda
10/10/2018 11:48:36 AM



#30
Chloroform
Concen: 19.580 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.9	51.6	77.4





#31

Cyclohexane

Concen: 19.436 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBS01

Tot Ion: 56 Resp: 201726

Ion Ratio Lower Upper

56 100

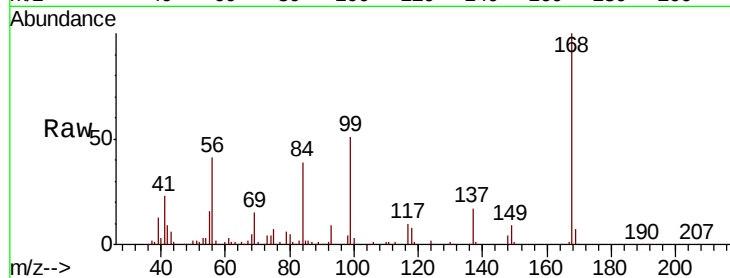
69 37.8 27.5 41.3

84 92.9 76.7 115.1

Manual Integrations
APPROVED

MMDadoda

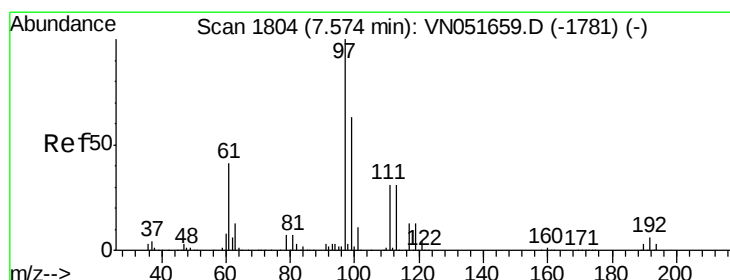
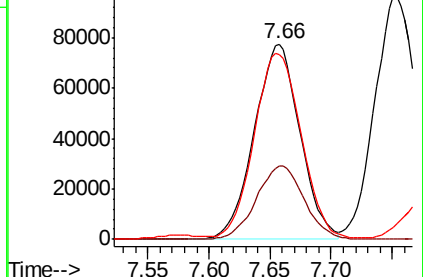
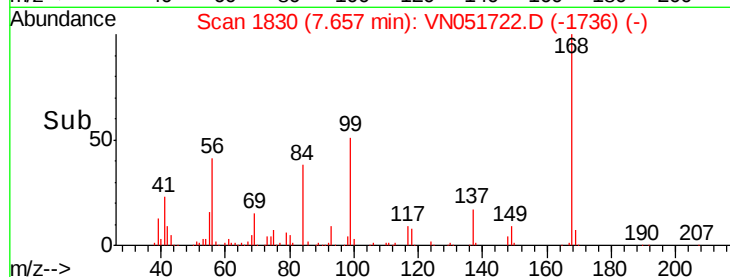
10/10/2018 11:48:36 AM



Abundance Ion 56.00 (55.70 to 56.70): VN051722.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN051722.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN051722.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 19.002 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

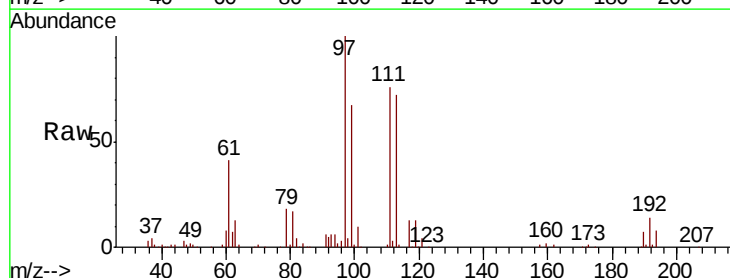
Tgt Ion: 97 Resp: 234526

Ion Ratio Lower Upper

97 100

99 64.6 51.9 77.9

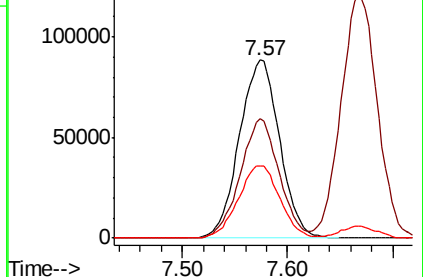
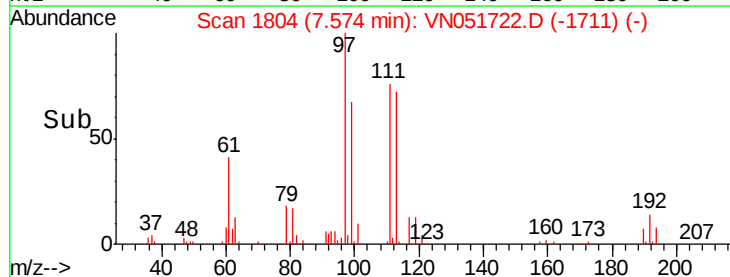
61 41.9 33.4 50.0

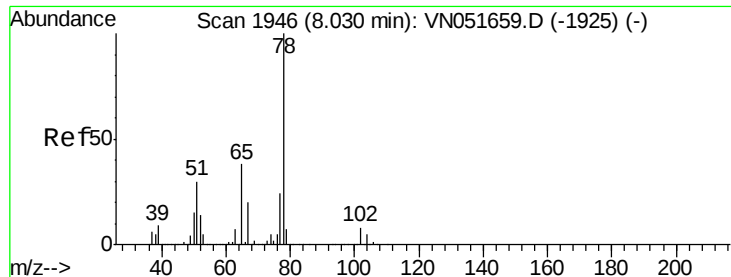


Abundance Ion 96.90 (96.60 to 97.60): VN051722.D (-1711) (-)

Ion 98.90 (98.60 to 99.60): VN051722.D (-1711) (-)

Ion 60.90 (60.60 to 61.60): VN051722.D (-1711) (-)





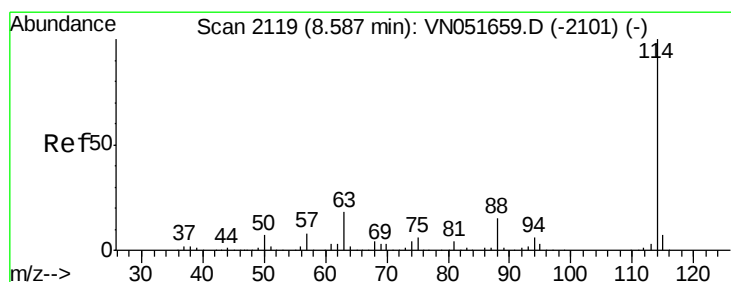
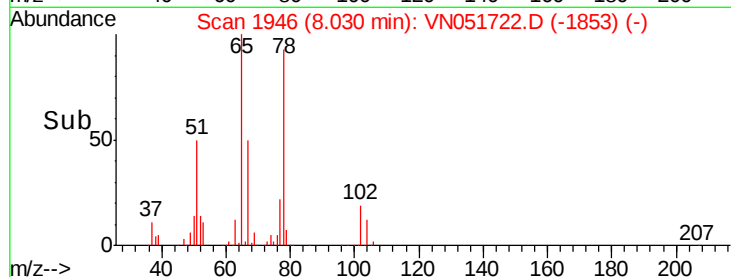
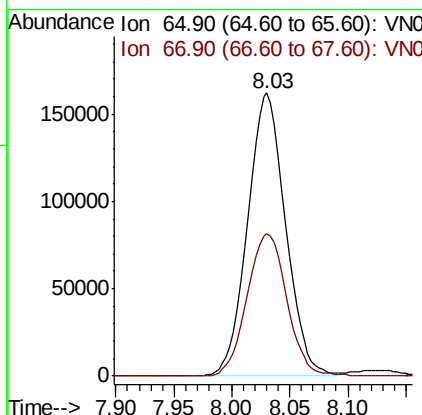
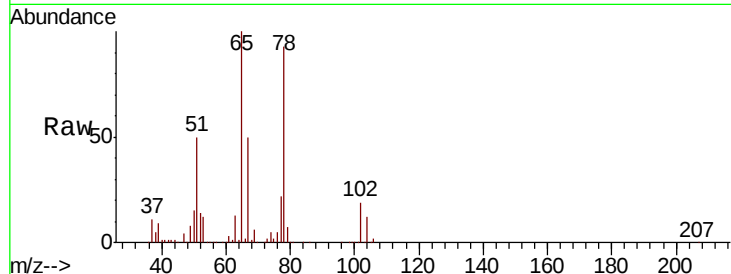
#33
 1,2-Dichloroethane-d4
 Concen: 19.002 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.6	0.0	103.6	

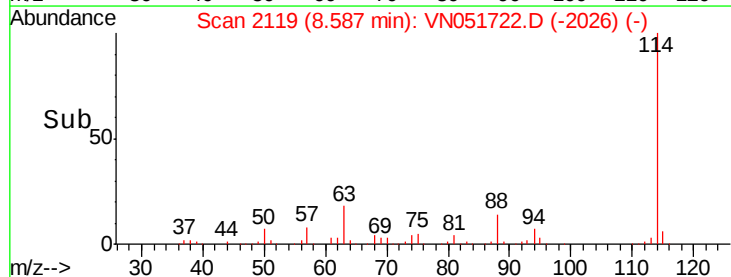
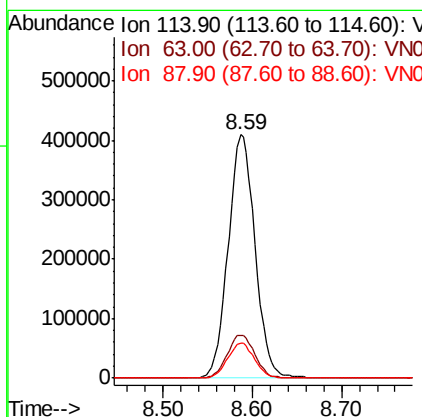
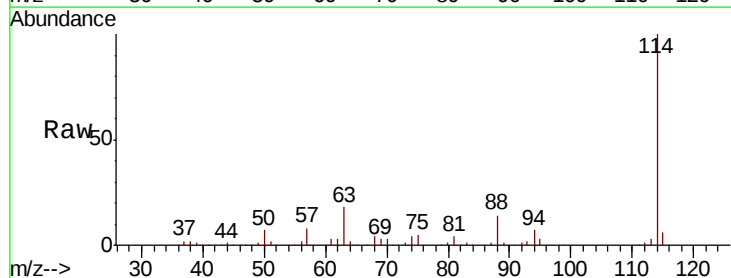
Manual Integrations
 APPROVED

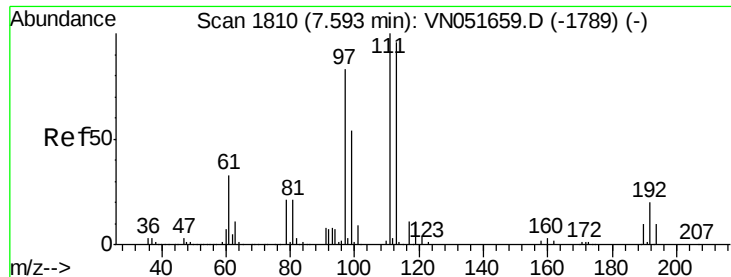
MMDadoda
 10/10/2018 11:48:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.7	0.0	36.2	
88	14.4	0.0	30.2	





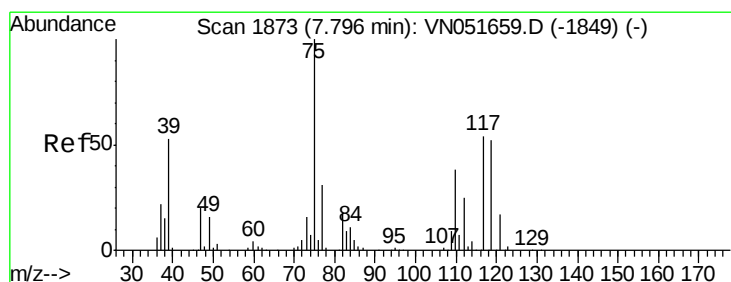
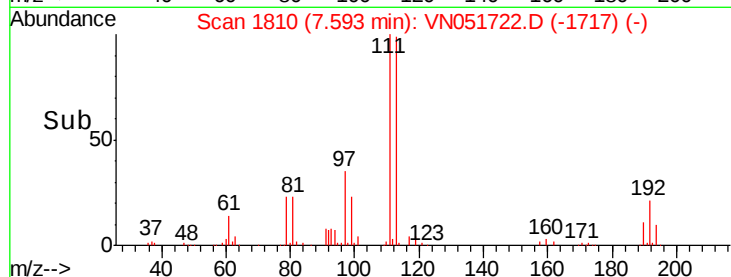
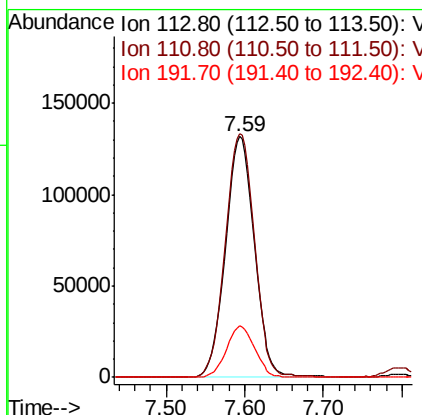
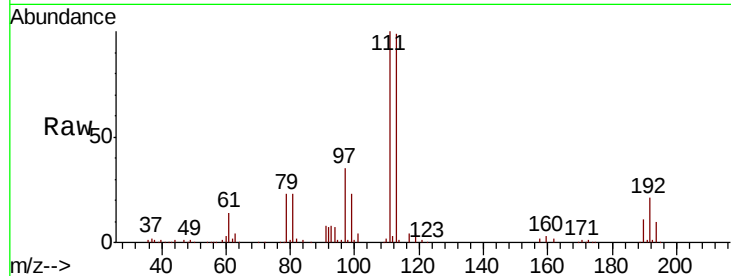
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.0	81.8	122.8	
192	21.0	16.5	24.7	

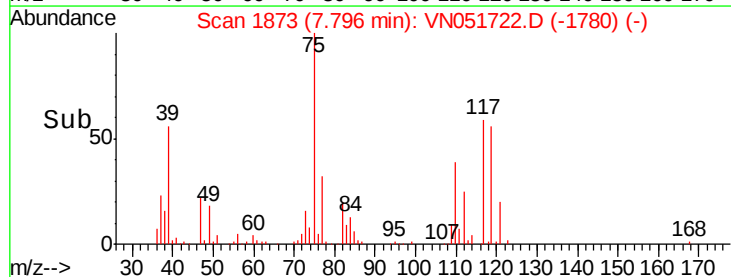
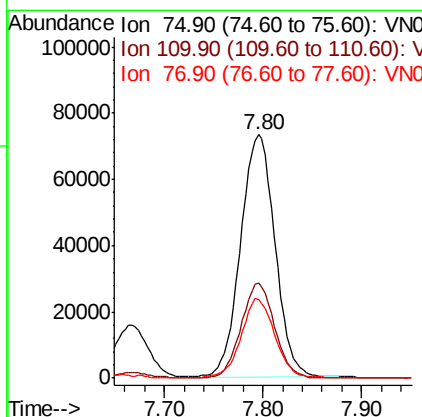
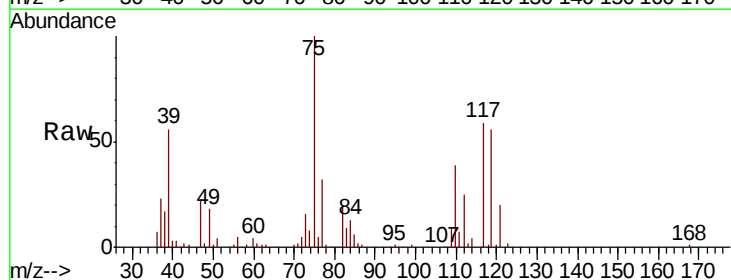
Manual Integrations
APPROVED

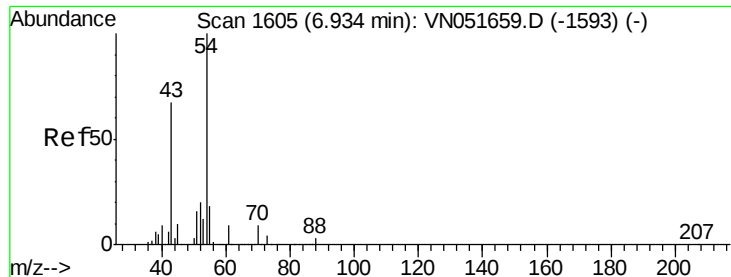
MMDadoda
10/10/2018 11:48:36 AM



#36
1,1-Dichloropropene
Concen: 19.840 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.0	19.3	57.8	
77	32.2	24.7	37.1	





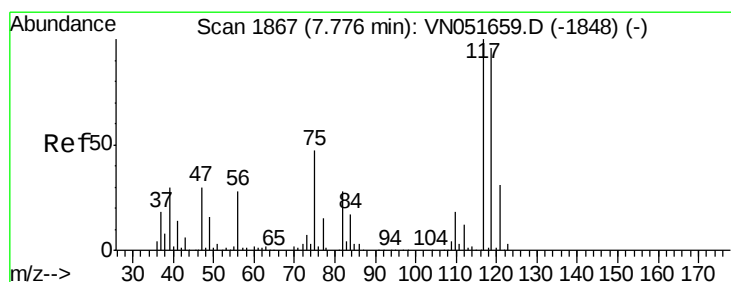
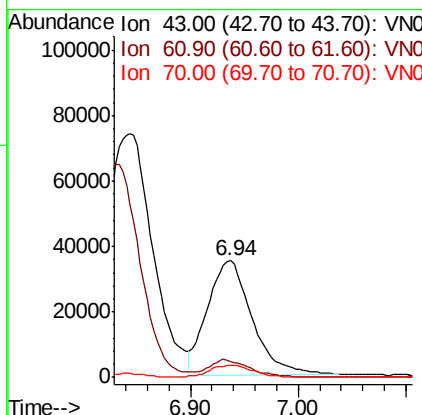
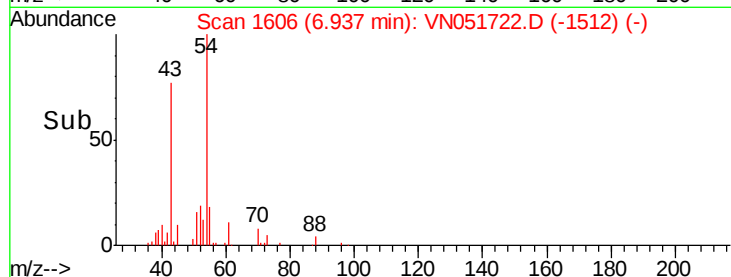
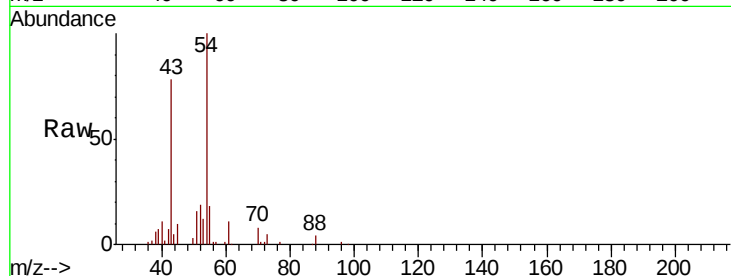
#37
Ethyl Acetate
Concen: 21.750 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.8	17.6
70	10.3	8.7	13.1

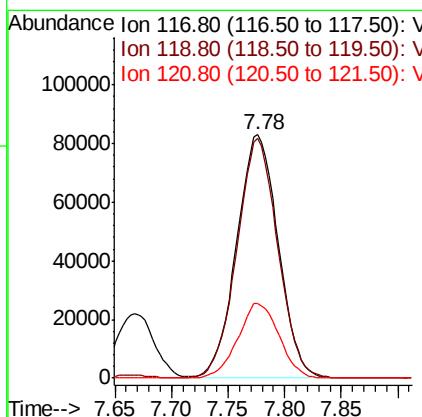
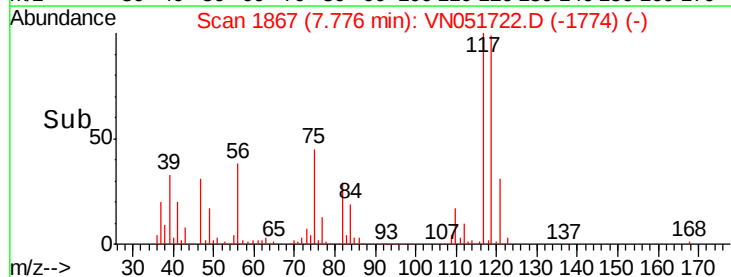
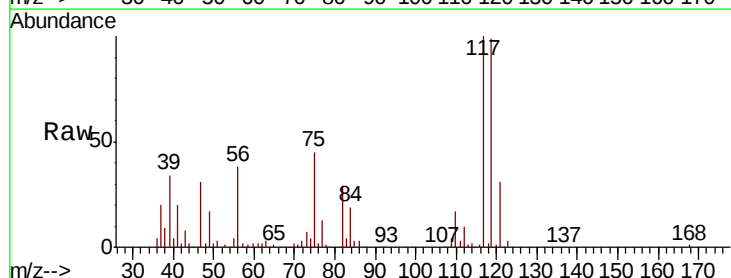
Manual Integrations
APPROVED

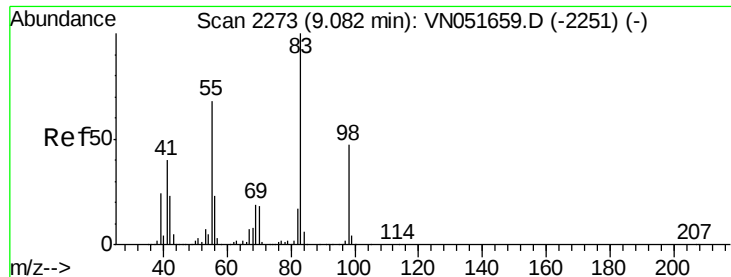
MMDadoda
10/10/2018 11:48:36 AM



#38
Carbon Tetrachloride
Concen: 19.777 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.6	77.0	115.6
121	30.9	25.0	37.6





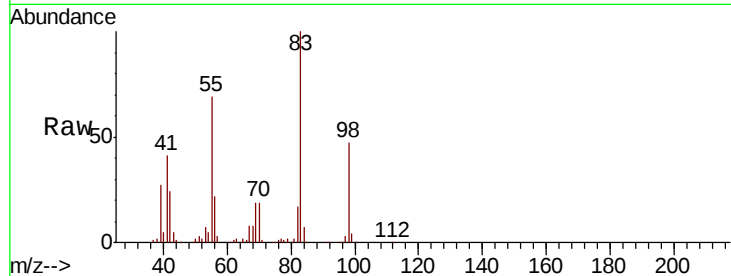
#39
Methvlcvclohexane
Concen: 20.188 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	226238		
55	69.0		54.3	81.5
98	47.0		37.4	56.2

Manual Integrations
APPROVED

MMDadoda
10/10/2018 11:48:36 AM

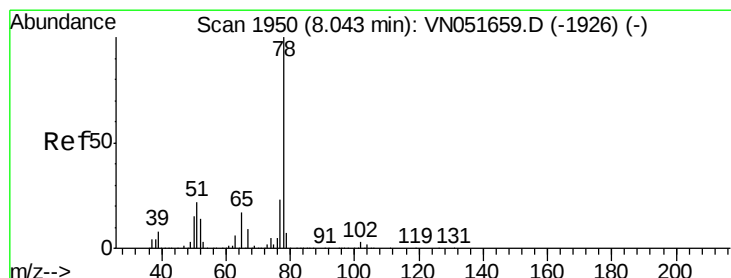
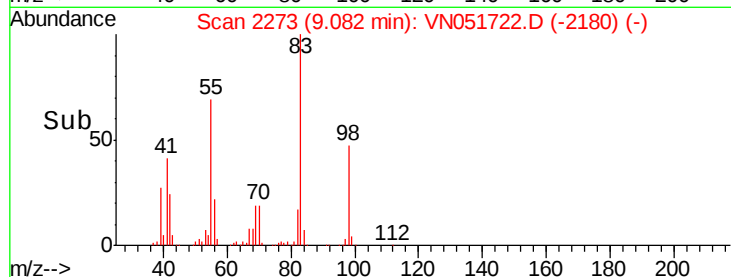
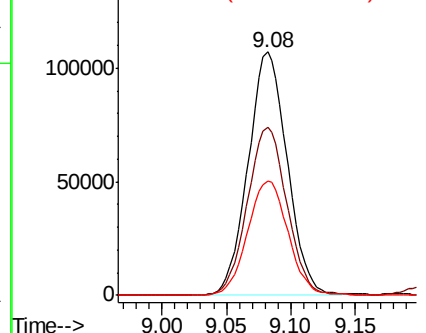


Abundance

Ion 83.00 (82.70 to 83.70): VN0

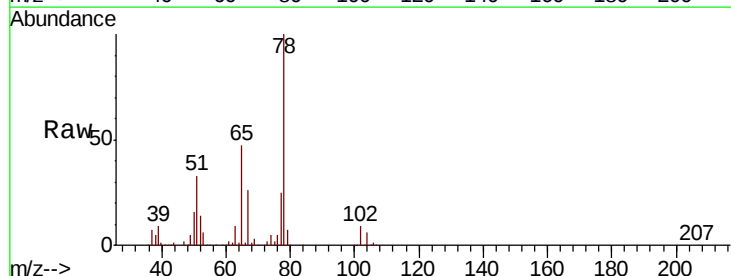
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 19.781 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

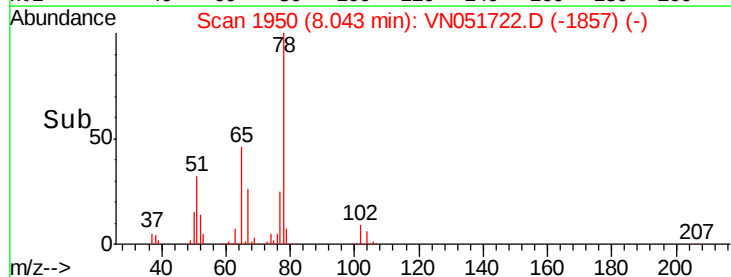
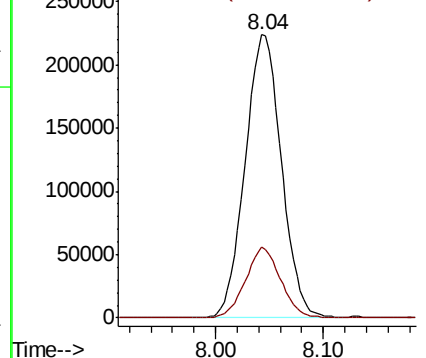
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	523509		
77	24.9		18.5	27.7

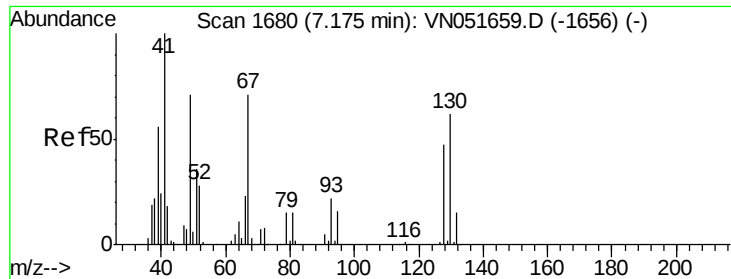


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





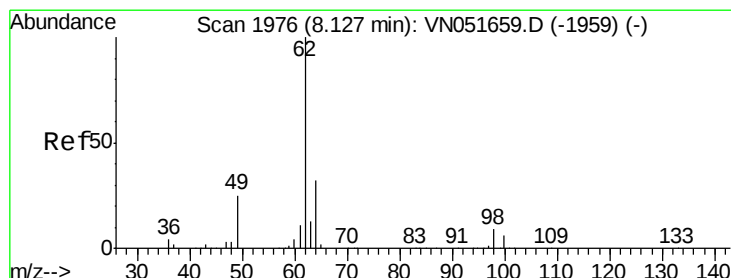
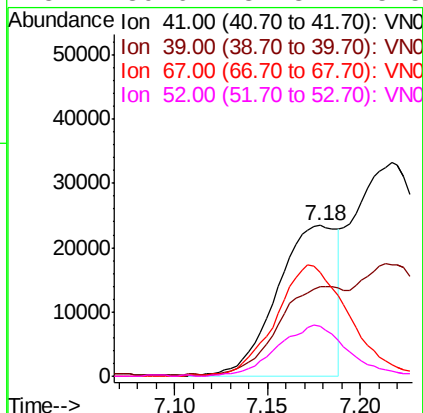
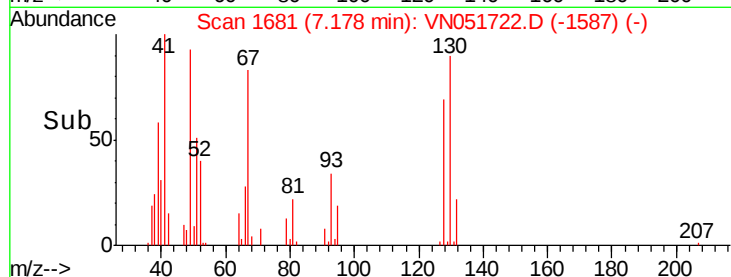
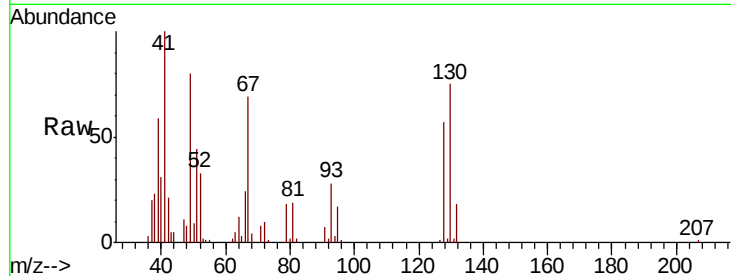
#41
Methacrylonitrile
Concen: 21.870 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

Tot Ion	41	Resp	52871
Ion	Ratio	Lower	Upper
41	100		
39	66.1	53.9	80.9
67	90.9	78.1	117.1
52	39.6	32.3	48.5

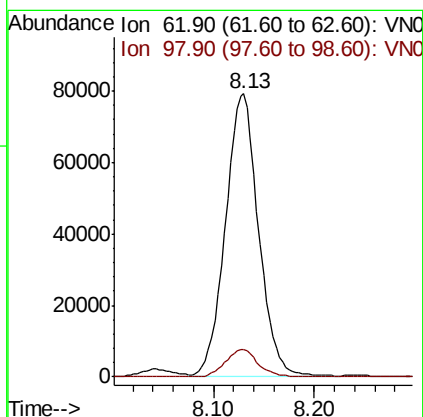
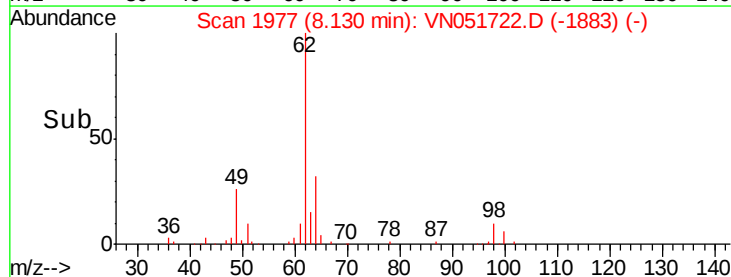
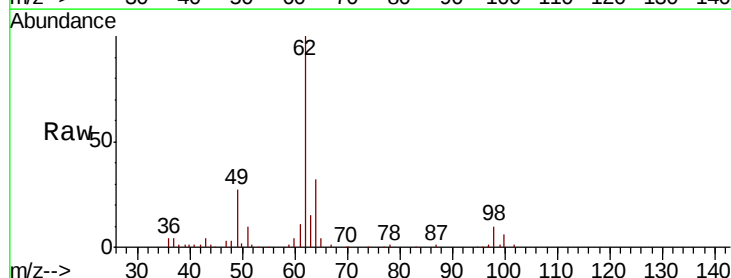
Manual Integrations
APPROVED

MMDadoda
10/10/2018 11:48:36 AM



#42
1,2-Dichloroethane
Concen: 20.224 ug/l
RT: 8.13 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion	62	Resp	180379
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.4





#43

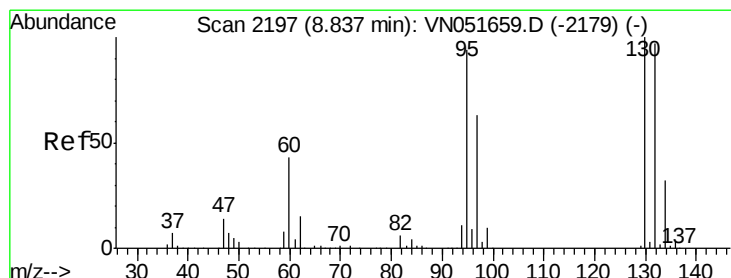
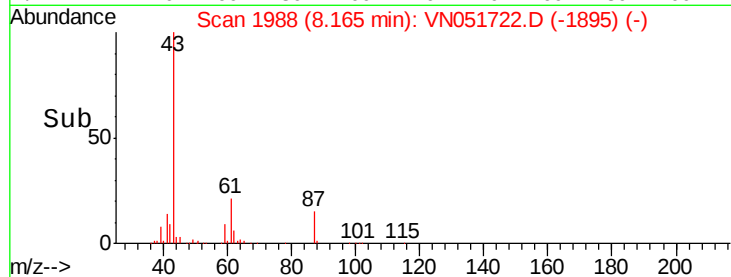
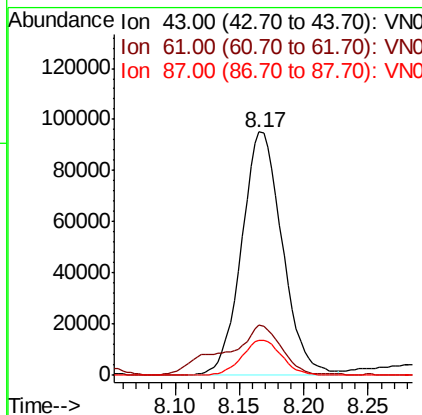
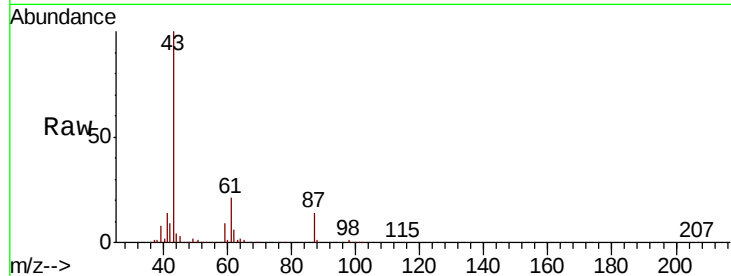
Isopropyl Acetate
 Concen: 21.347 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.9	15.8	23.6#
87	14.3	12.6	19.0

Manual Integrations
 APPROVED

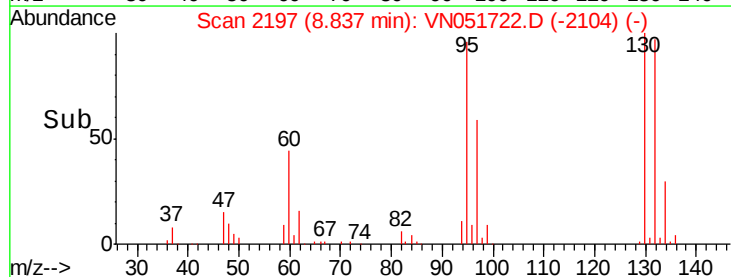
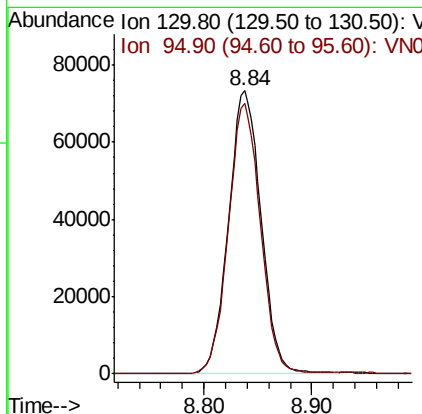
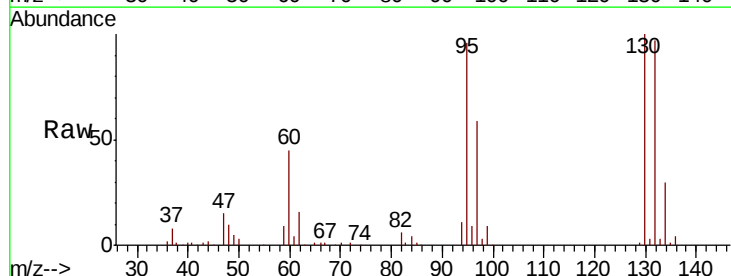
MMDadoda
 10/10/2018 11:48:36 AM

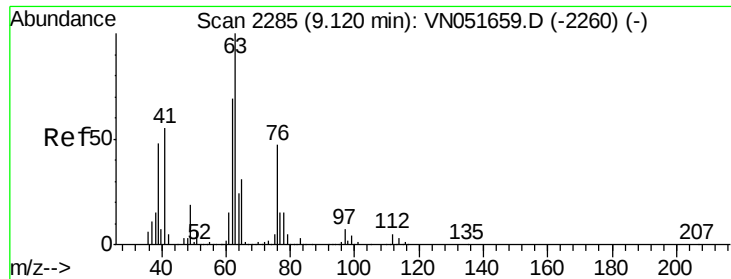


#44

Trichloroethene
 Concen: 20.528 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	188.0





#45

1,2-Dichloropropane

Concen: 19.888 ug/l

RT: 9.12 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBS01

Tot Ion: 63 Resp: 130130

Ion Ratio Lower Upper

63 100

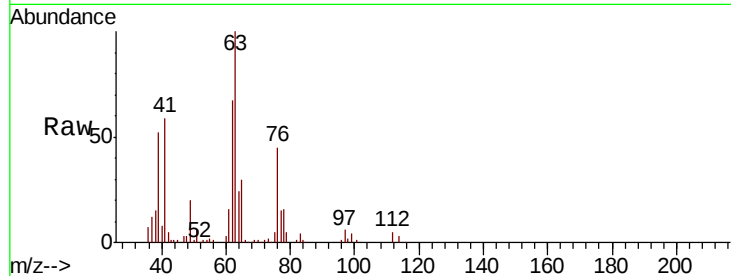
65 29.9 25.0 37.4

Manual Integrations

APPROVED

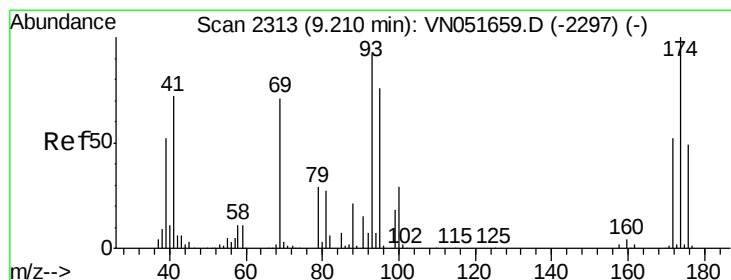
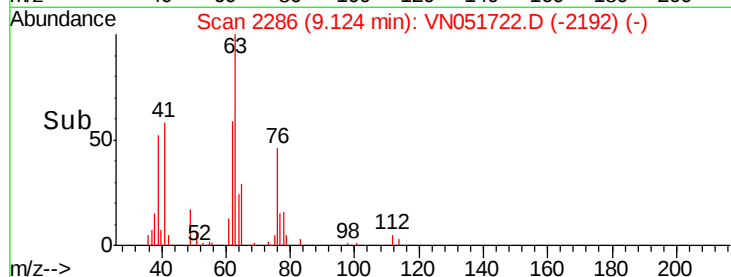
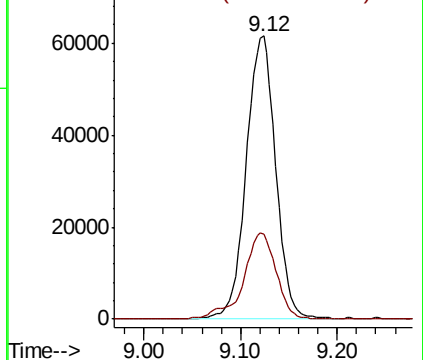
MMDadoda

10/10/2018 11:48:36 AM



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 20.059 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

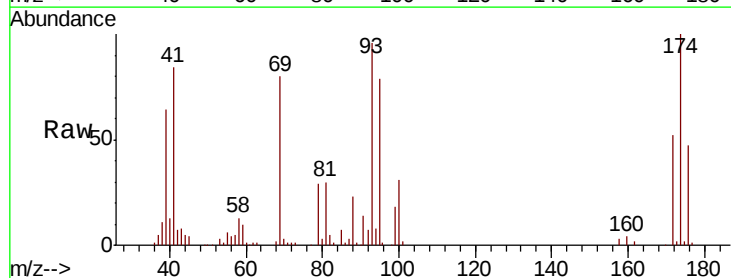
Tgt Ion: 93 Resp: 91229

Ion Ratio Lower Upper

93 100

95 83.9 66.6 100.0

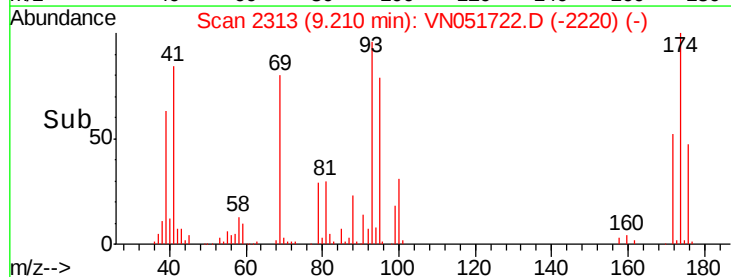
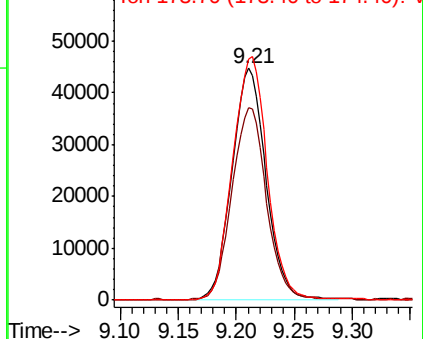
174 106.7 85.9 128.9

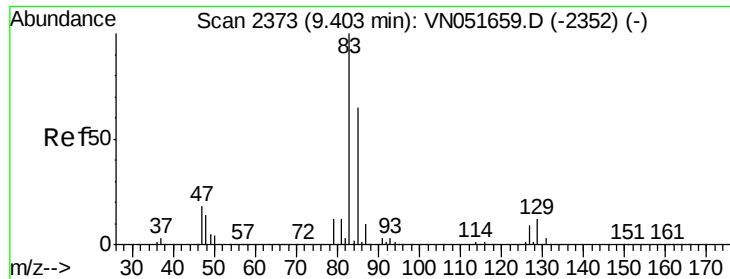


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





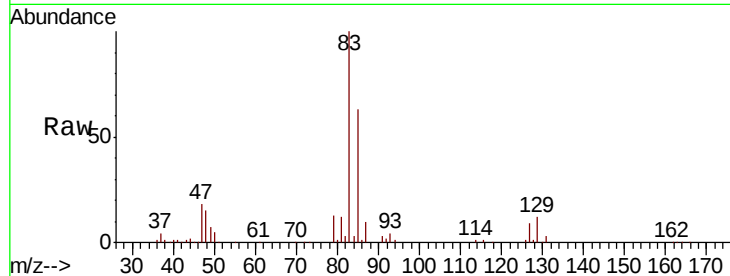
#47
Bromodichloromethane
Concen: 19.882 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

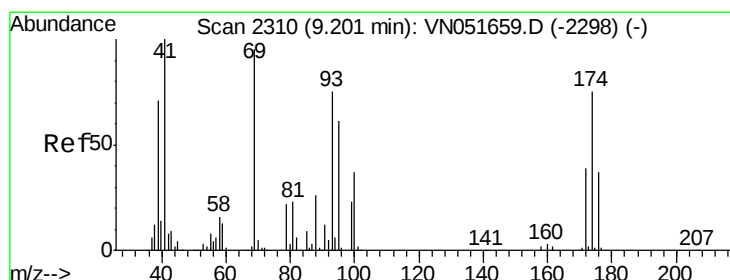
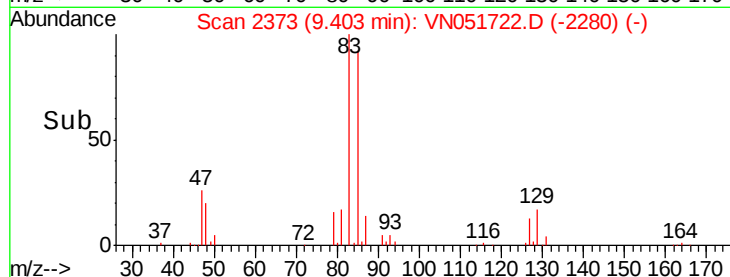
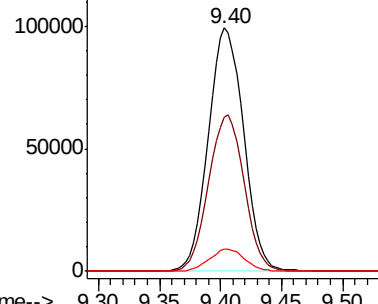
Tot Ion	Ratio	Resp	Lower	Upper
83	100	199056		
85	63.5	51.6	77.4	
127	9.0	7.3	10.9	

Manual Integrations
APPROVED

MMDadoda
10/10/2018 11:48:36 AM

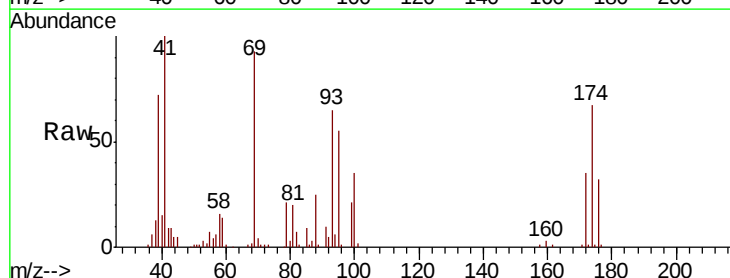


Abundance Ion 82.90 (82.60 to 83.60): VN051722.D (-2280) (-)
Ion 84.90 (84.60 to 85.60): VN051722.D (-2280) (-)
Ion 126.80 (126.50 to 127.50): VN051722.D (-2280) (-)

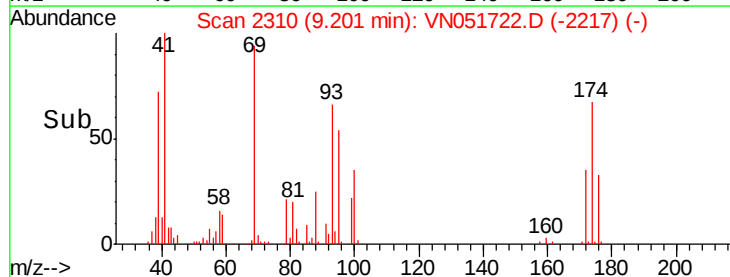
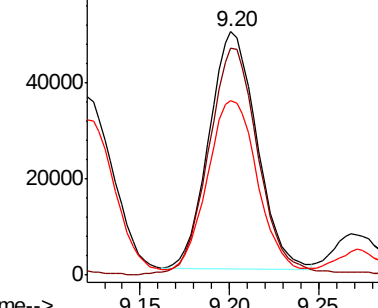


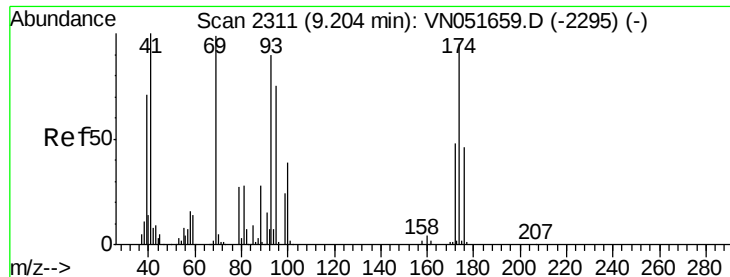
#48
Methyl methacrylate
Concen: 20.795 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	92241		
69	99.2	78.6	118.0	
39	74.0	59.2	88.8	



Abundance Ion 41.00 (40.70 to 41.70): VN051722.D (-2217) (-)
Ion 69.00 (68.70 to 69.70): VN051722.D (-2217) (-)
Ion 39.00 (38.70 to 39.70): VN051722.D (-2217) (-)





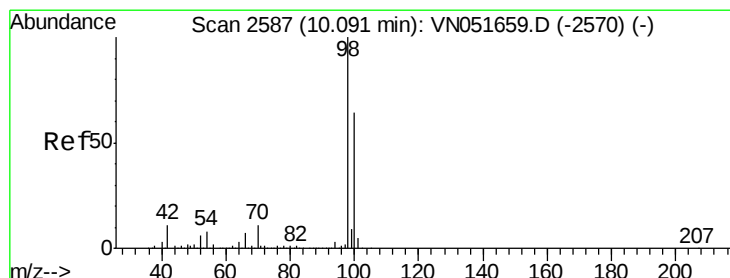
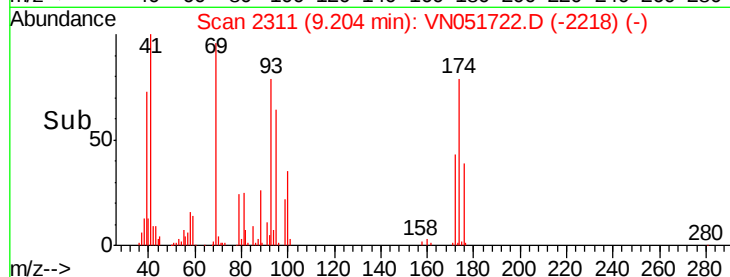
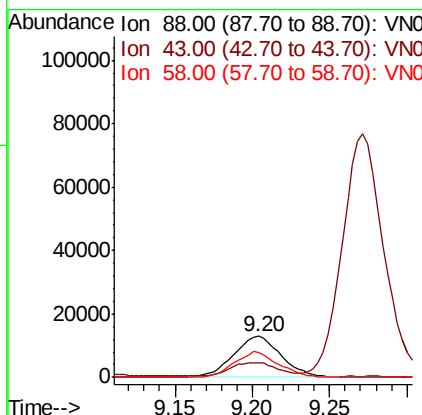
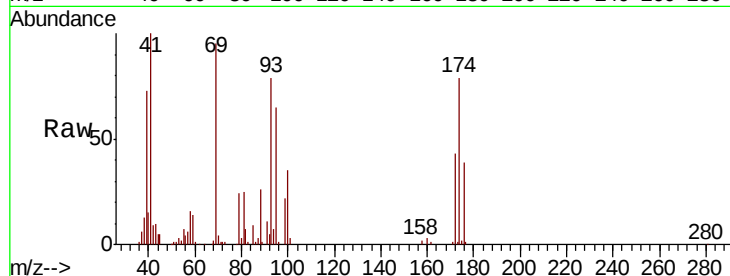
#49
1,4-Dioxane
Concen: 416.651 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

Tot Ion	88	Resp	27713
Ion	Ratio	Lower	Upper
88	100		
43	32.1	24.5	36.7
58	57.7	47.6	71.4

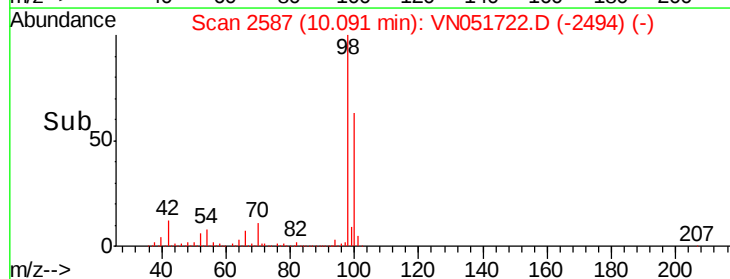
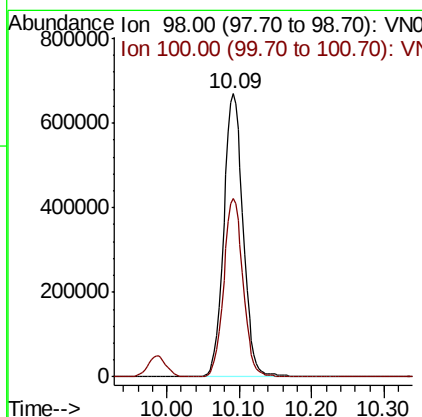
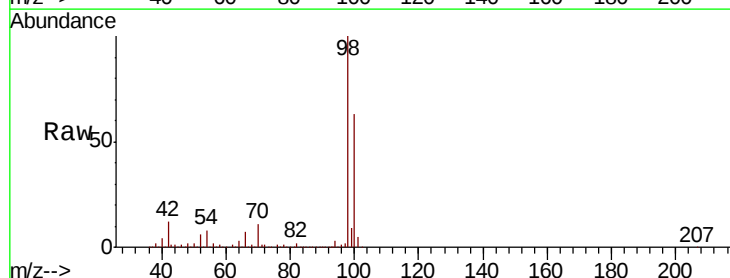
Manual Integrations
APPROVED

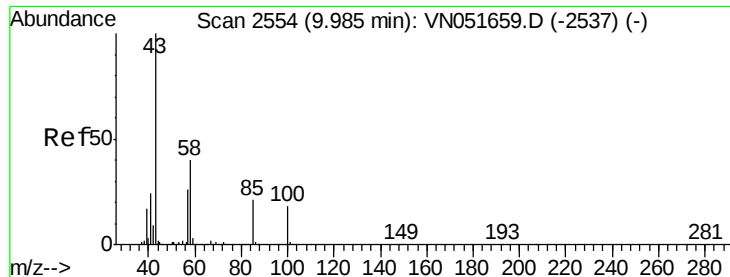
MMDadoda
10/10/2018 11:48:36 AM



#50
Toluene-d8
Concen: 416.651 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion	98	Resp	1238587
Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 108.541 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBS01

Tot Ion: 43 Resp: 533924

Ion Ratio Lower Upper

43 100

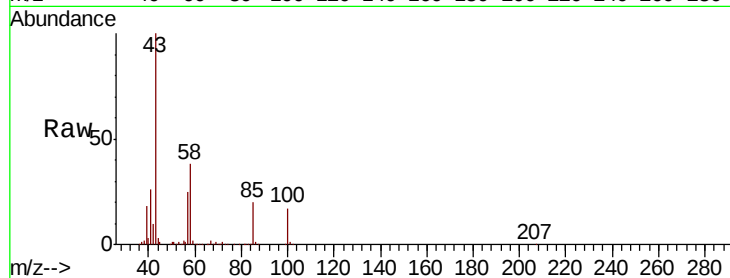
58 38.2 32.2 48.2

Manual Integrations

APPROVED

MMDadoda

10/10/2018 11:48:36 AM



Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN051659.D (-2537) (-)

9.99

300000

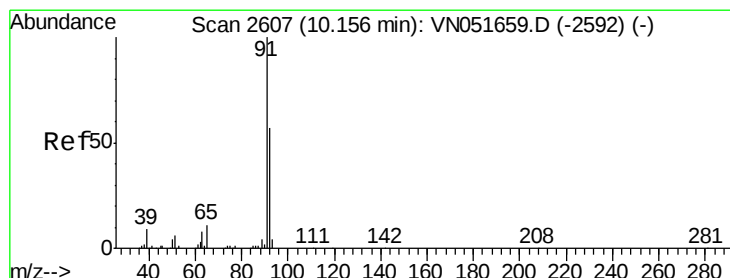
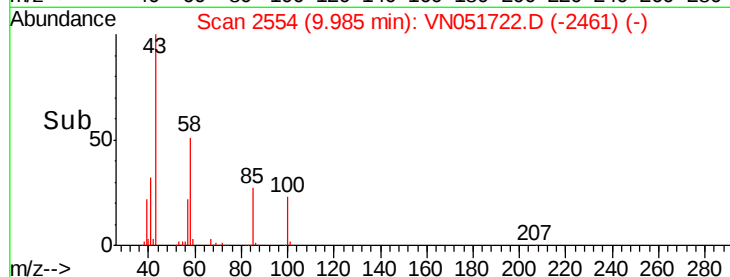
200000

100000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 19.347 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051722.D

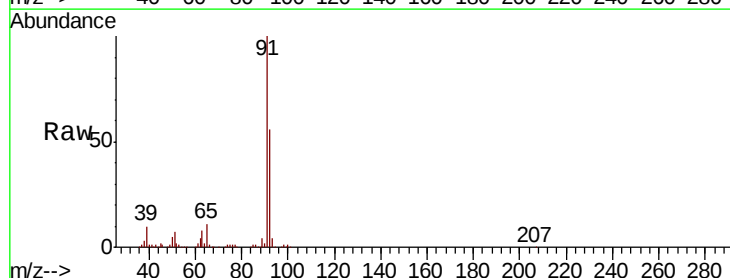
Acq: 8 Oct 2018 9:37

Tgt Ion: 92 Resp: 340554

Ion Ratio Lower Upper

92 100

91 177.7 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN051659.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN051659.D (-2592) (-)

10.16

300000

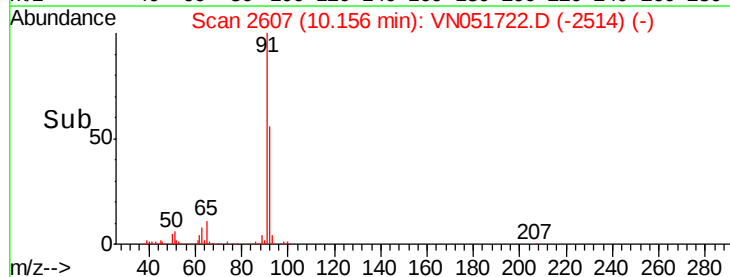
200000

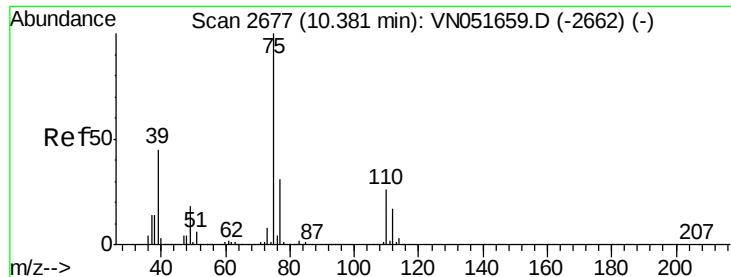
100000

0

10.10 10.20

Time-->





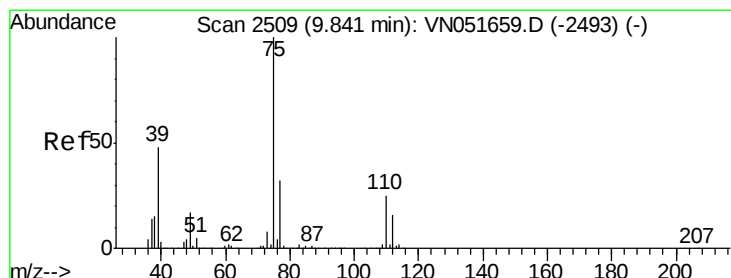
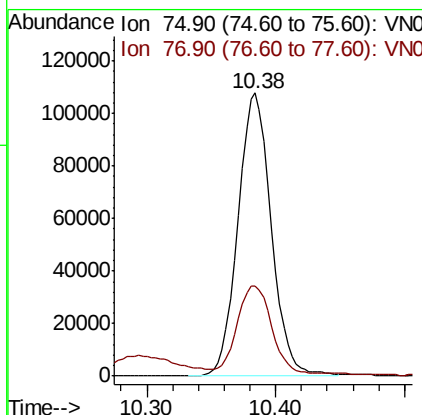
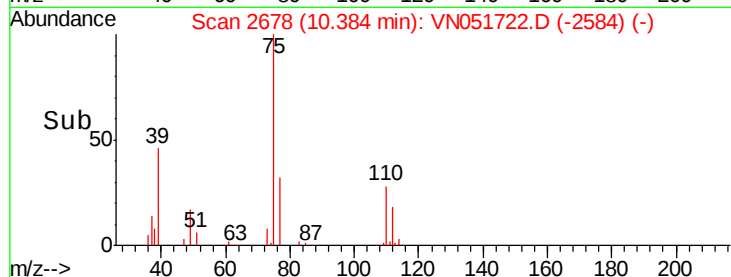
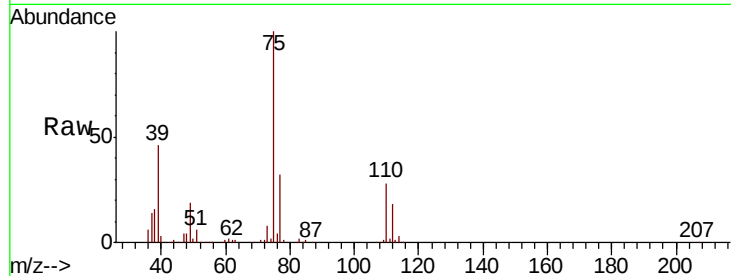
#53
t-1,3-Dichloropropene
Concen: 18.753 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.5	38.3

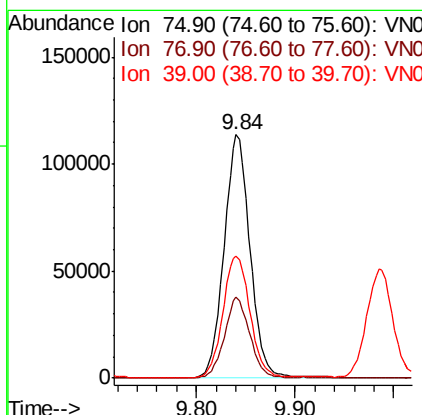
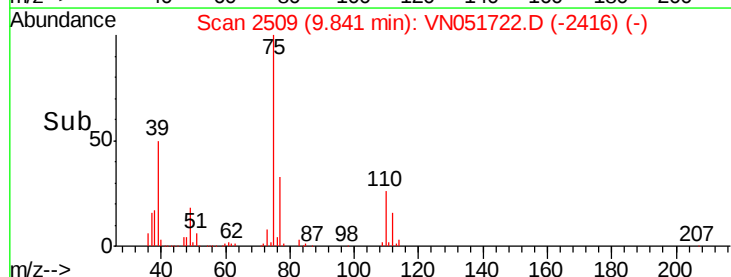
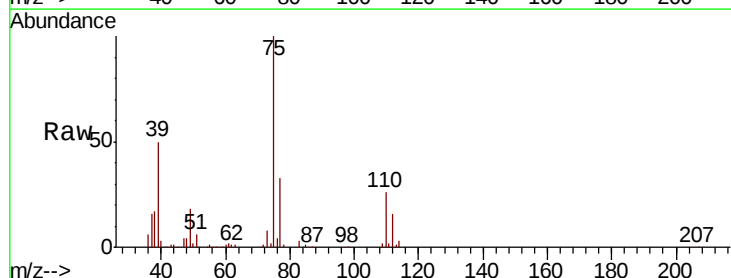
Manual Integrations
APPROVED

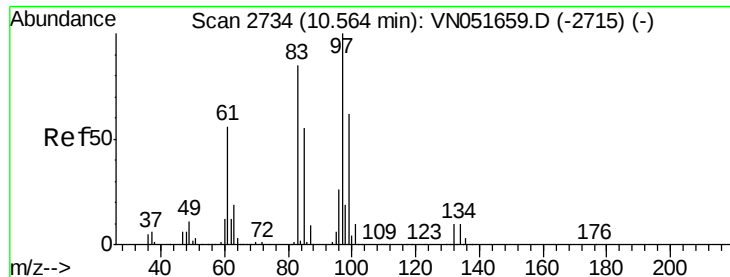
MMDadoda
10/10/2018 11:48:36 AM



#54
cis-1,3-Dichloropropene
Concen: 19.252 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.3	25.7	38.5
39	49.7	38.1	57.1





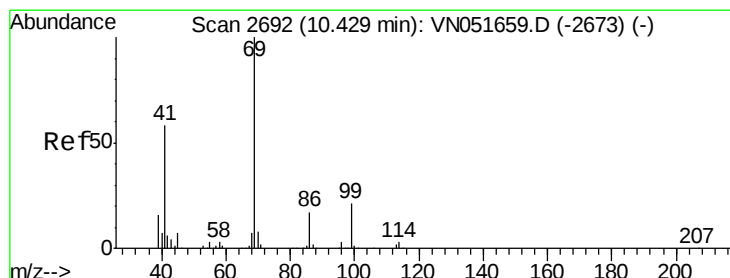
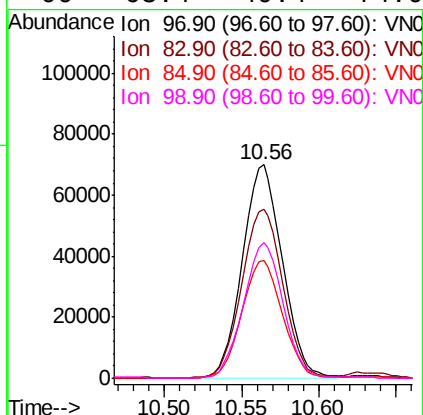
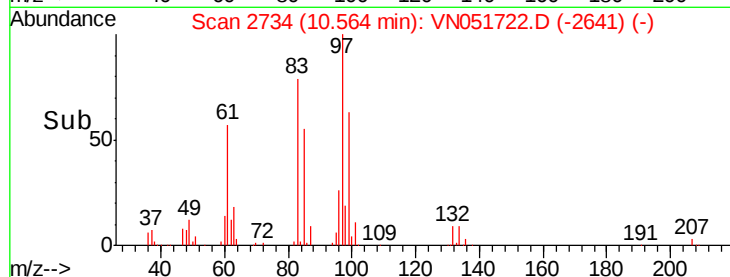
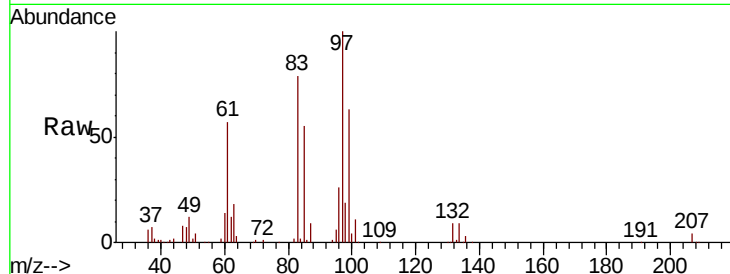
#55
 1,1,2-Trichloroethane
 Concen: 20.126 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBS01

Tot Ion:	97	Resp:	126201
Ion	Ratio	Lower	Upper
97	100		
83	79.0	68.1	102.1
85	55.2	43.6	65.4
99	63.4	49.4	74.0

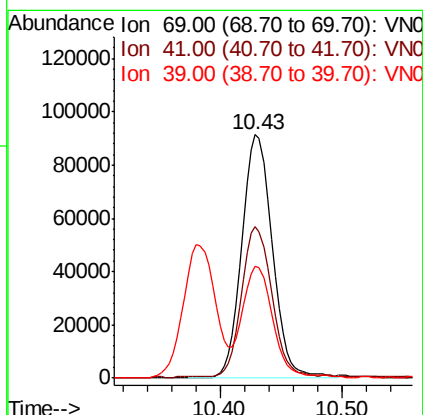
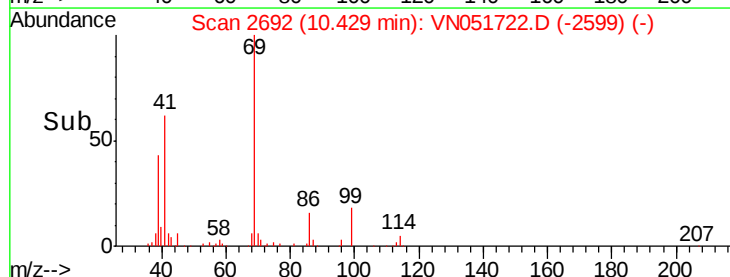
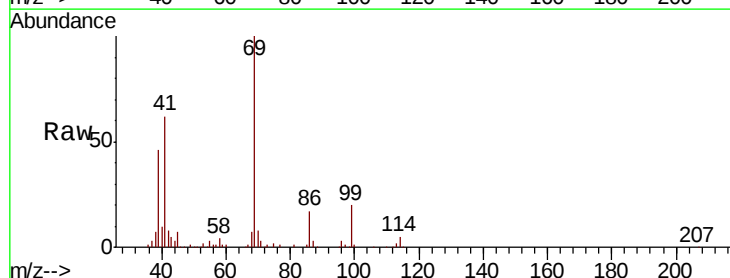
Manual Integrations
 APPROVED

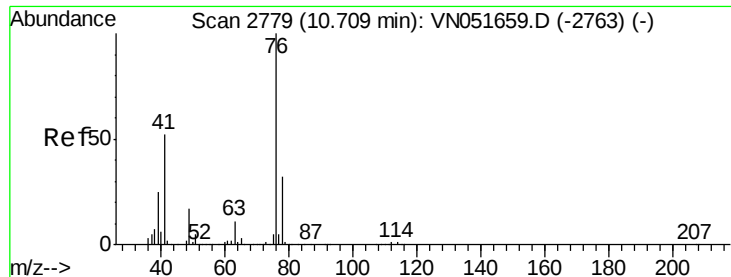
MMDadoda
 10/10/2018 11:48:36 AM



#56
 Ethyl methacrylate
 Concen: 19.936 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Tgt Ion:	69	Resp:	158087
Ion	Ratio	Lower	Upper
69	100		
41	60.7	46.4	69.6
39	45.9	32.4	48.6





#57

1,3-Dichloropropane

Concen: 20.178 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBS01

Tot Ion: 76 Resp: 200247

Ion Ratio Lower Upper

76 100

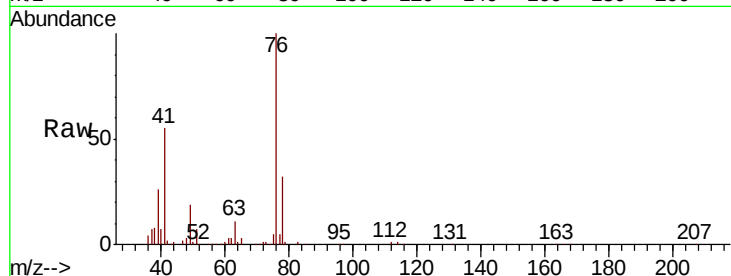
78 32.7 26.0 39.0

Manual Integrations

APPROVED

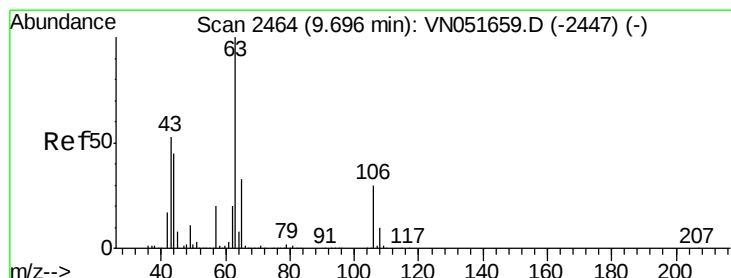
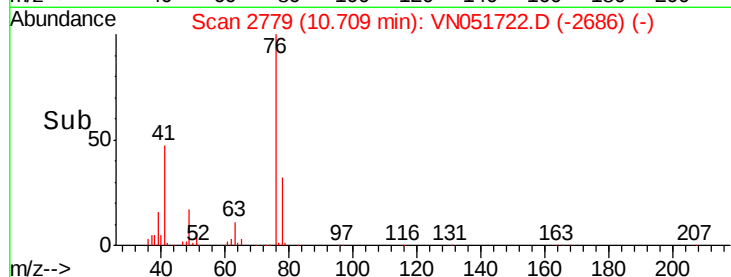
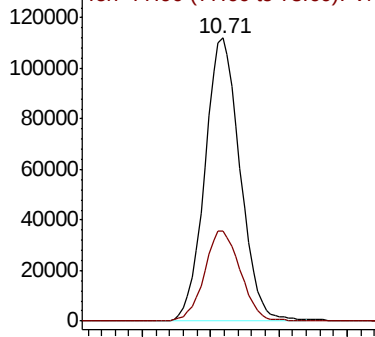
MMDadoda

10/10/2018 11:48:36 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 97.116 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051722.D

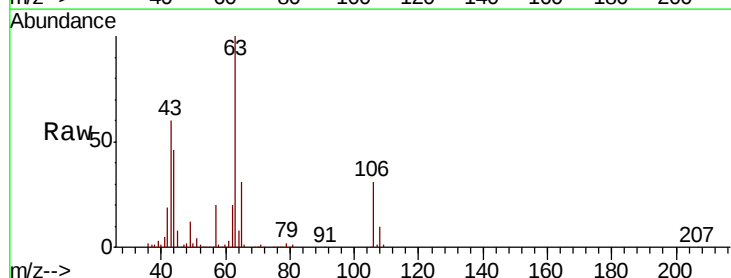
Acq: 8 Oct 2018 9:37

Tgt Ion: 63 Resp: 318716

Ion Ratio Lower Upper

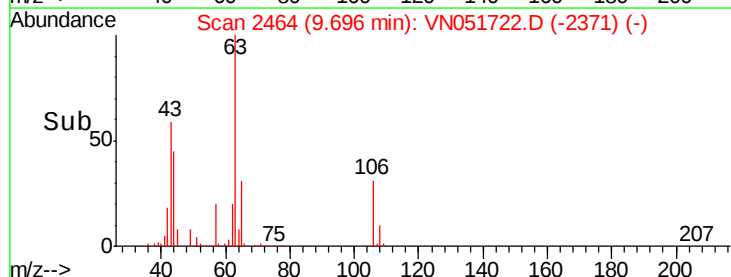
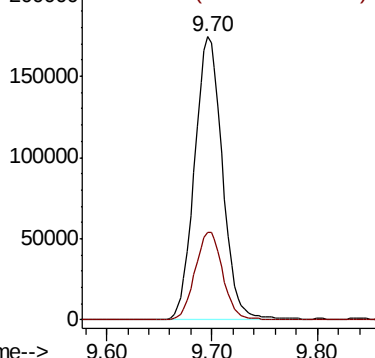
63 100

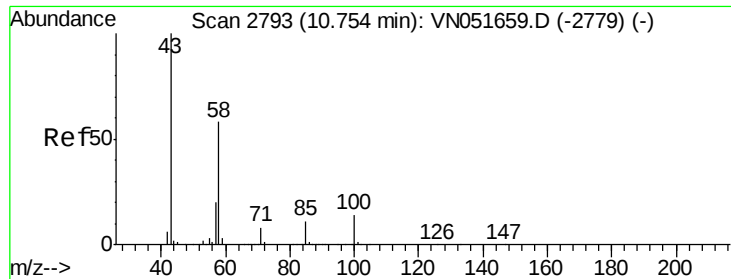
106 30.8 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





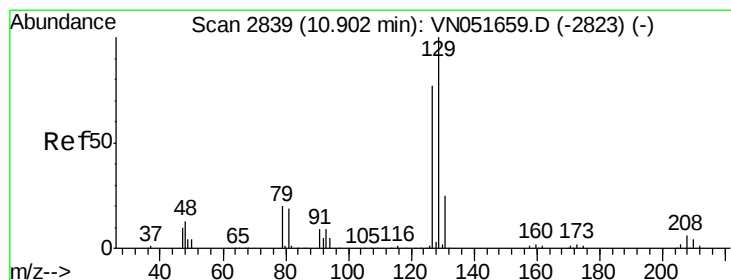
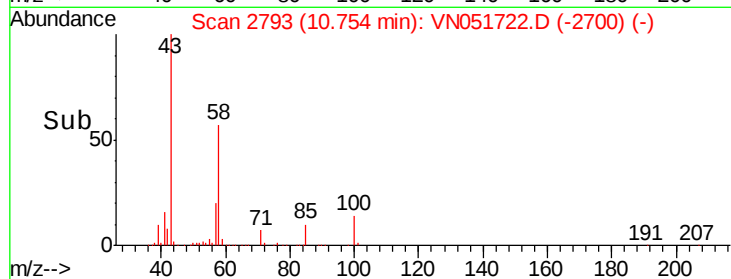
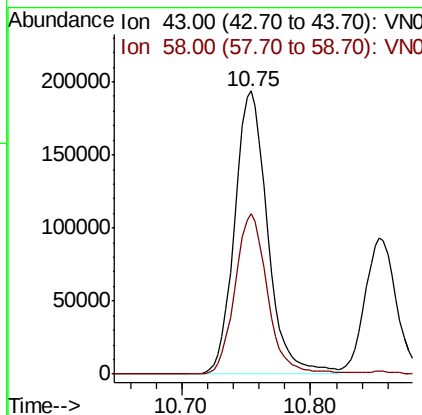
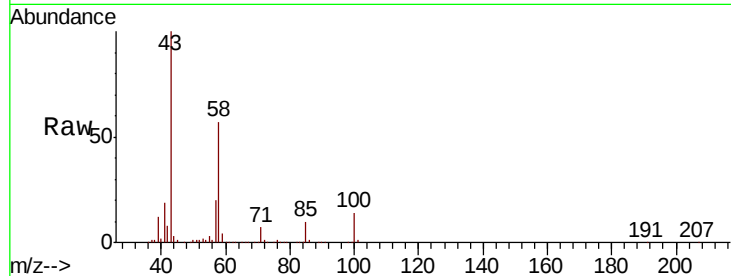
#59
2-Hexanone
Concen: 102.234 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

Tot Ion: 43 Resp: 341534
Ion Ratio Lower Upper
43 100
58 56.3 28.8 86.4

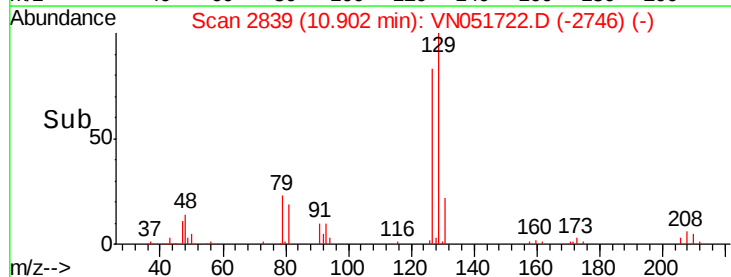
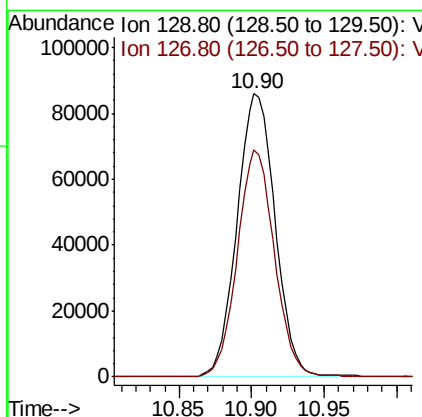
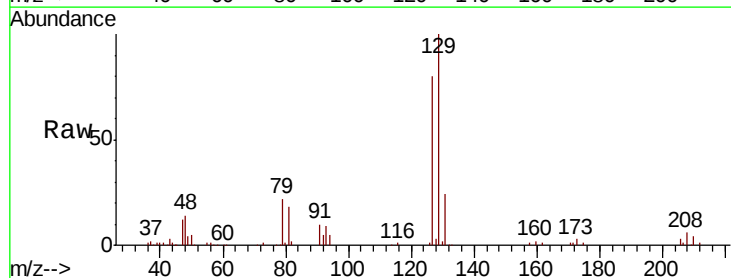
Manual Integrations
APPROVED

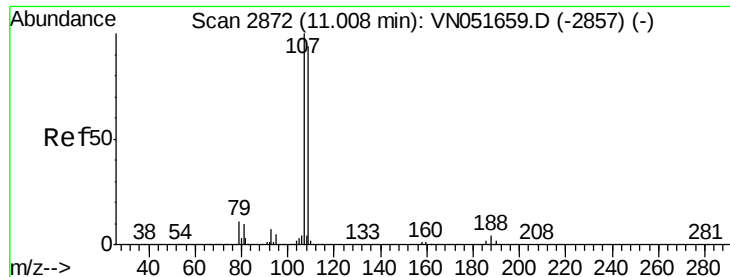
MMDadoda
10/10/2018 11:48:36 AM



#60
Dibromochloromethane
Concen: 19.140 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion: 129 Resp: 157055
Ion Ratio Lower Upper
129 100
127 78.4 38.6 115.7





#61

1,2-Dibromoethane

Concen: 19.906 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBS01

Tot Ion: 107 Resp: 131955

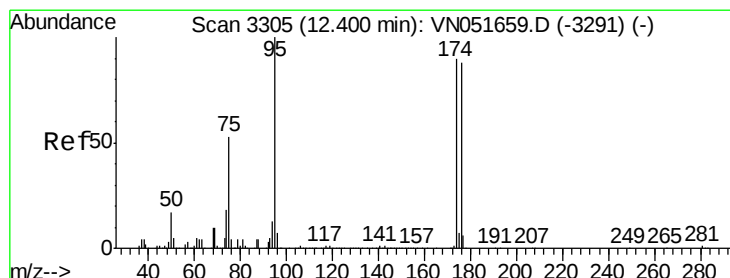
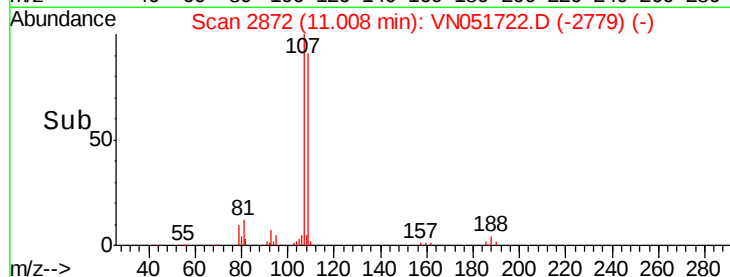
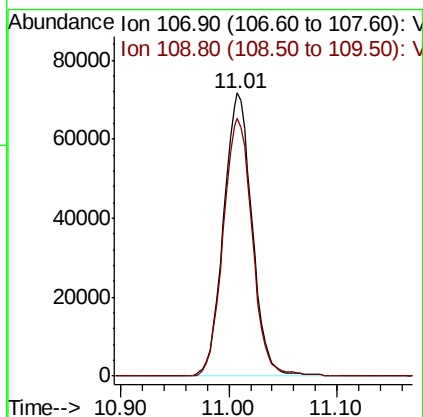
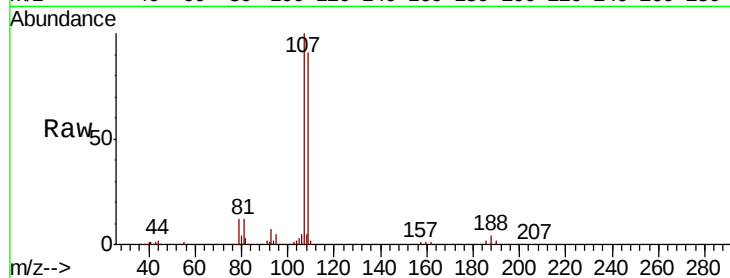
Ion Ratio Lower Upper

107 100

109 92.7 75.4 113.0

Manual Integrations
APPROVED

MMDadoda
10/10/2018 11:48:36 AM



#62

4-Bromofluorobenzene

Concen: 19.906 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

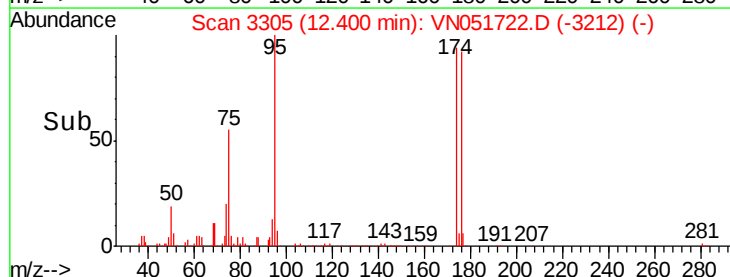
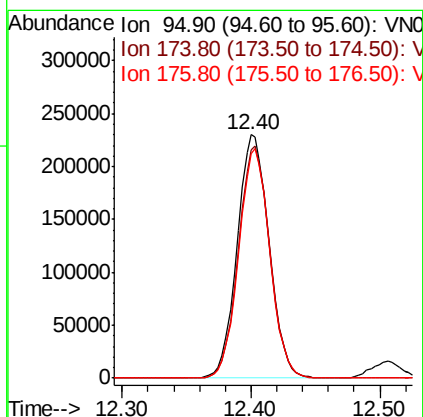
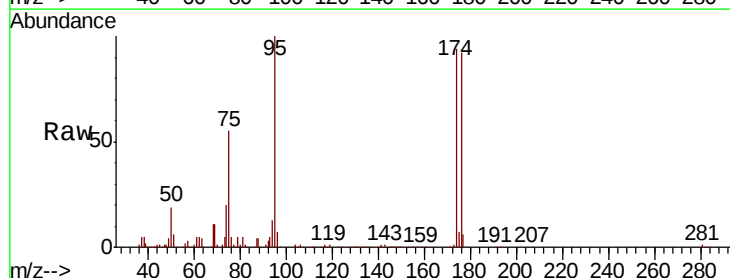
Tgt Ion: 95 Resp: 393842

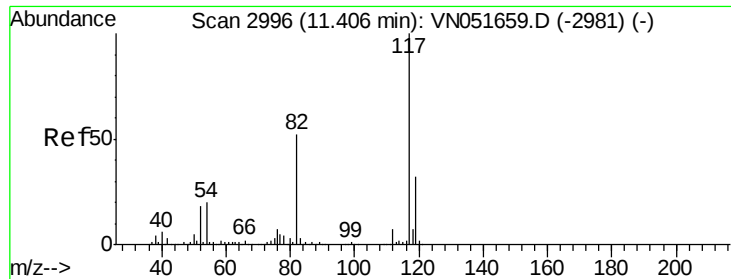
Ion Ratio Lower Upper

95 100

174 94.4 0.0 182.8

176 92.5 0.0 176.4





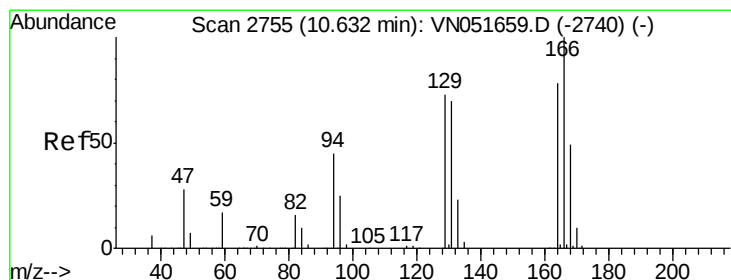
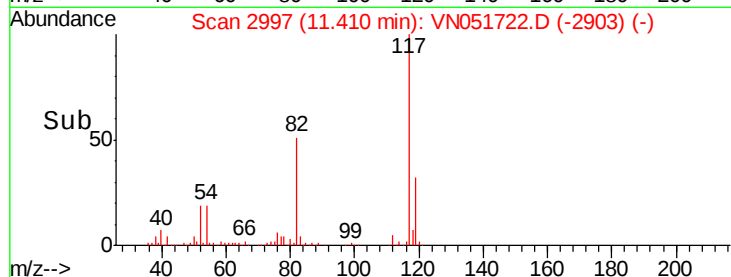
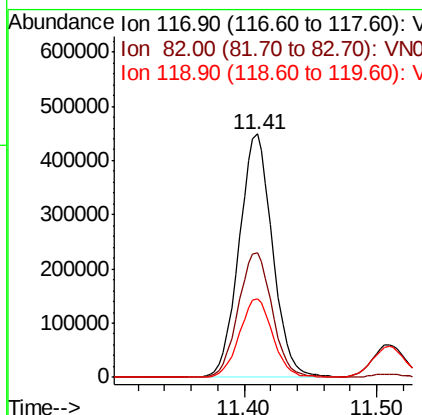
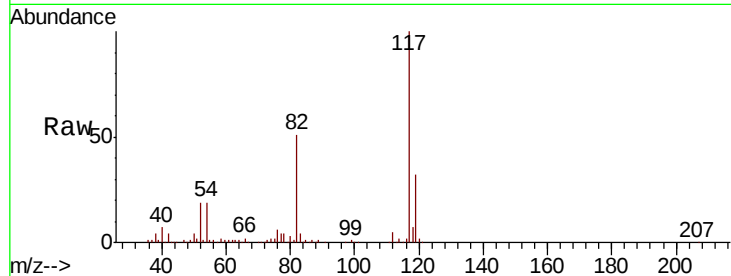
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	783934		
82	51.0		41.3	61.9
119	32.2		25.9	38.9

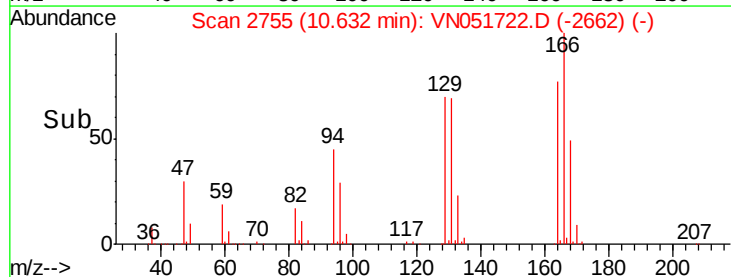
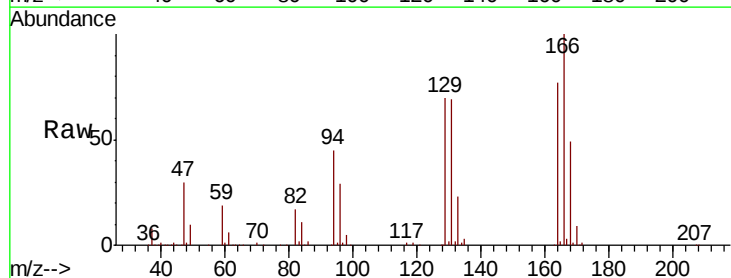
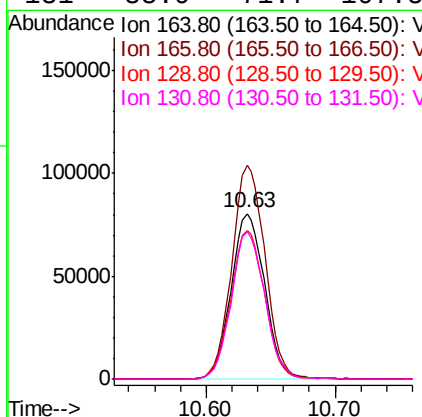
Manual Integrations
APPROVED

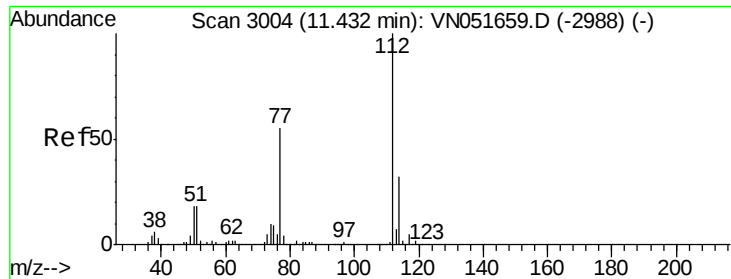
MMDadoda
10/10/2018 11:48:36 AM



#64
Tetrachloroethene
Concen: 21.017 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	145355		
166	129.3		103.0	154.6
129	90.2		75.2	112.8
131	88.9		71.7	107.5





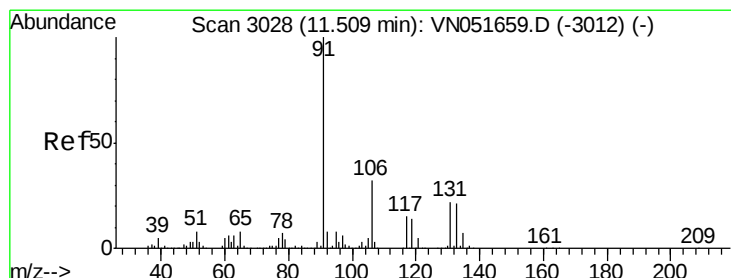
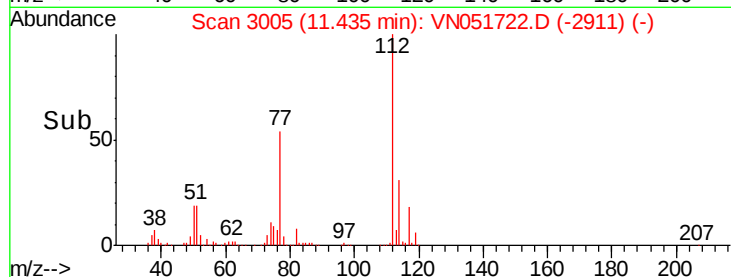
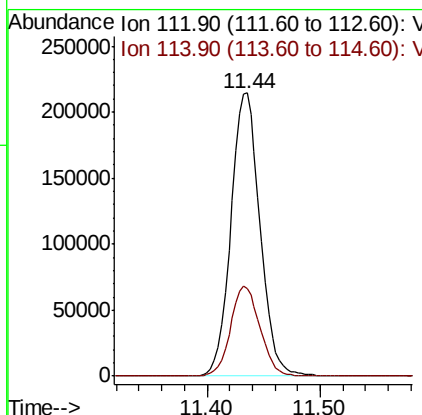
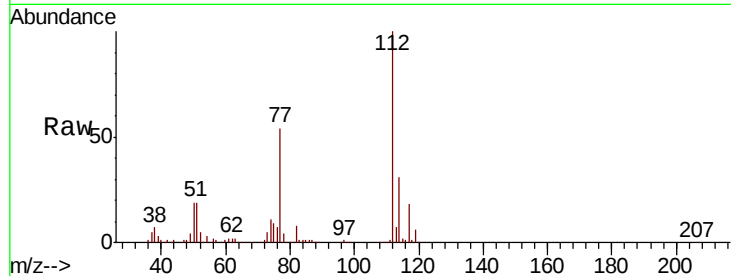
#65
Chlorobenzene
Concen: 19.728 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.9	38.9

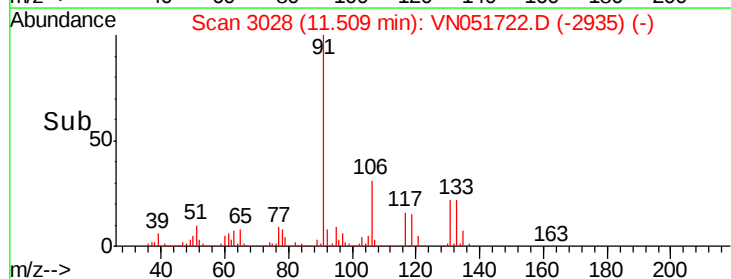
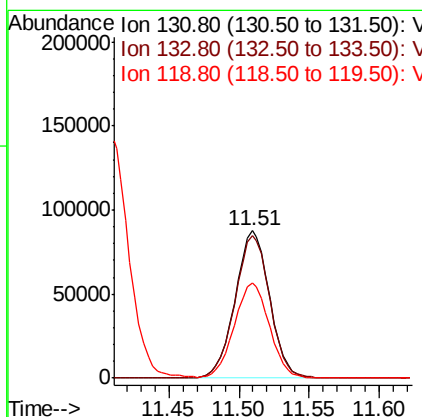
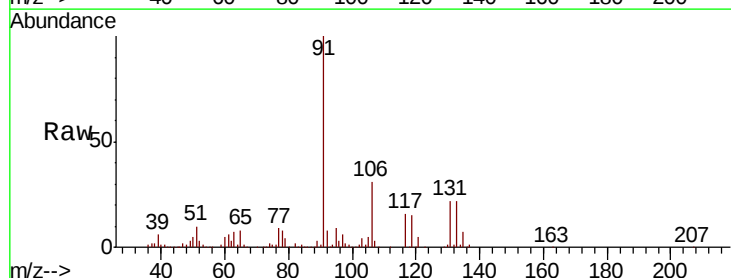
Manual Integrations
APPROVED

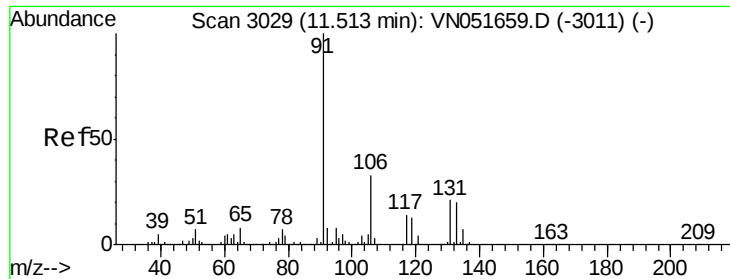
MMDadoda
10/10/2018 11:48:36 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.262 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.1	47.6	142.8
119	66.0	32.0	96.0





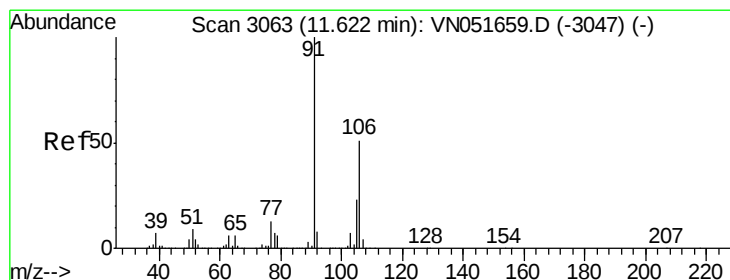
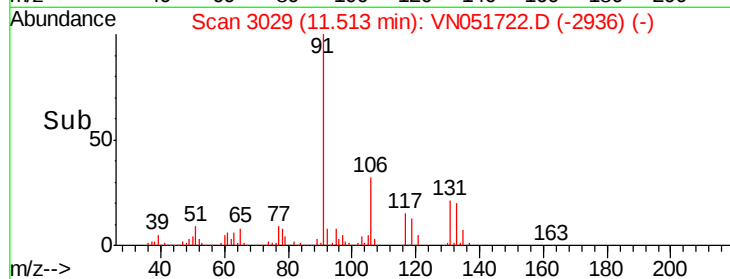
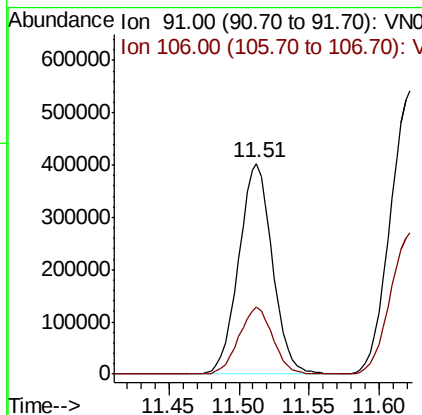
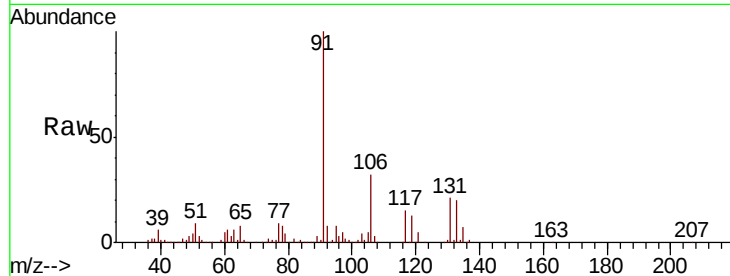
#67
Ethyl Benzene
Concen: 20.006 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

Tot Ion: 91 Resp: 671355
Ion Ratio Lower Upper
91 100
106 31.7 26.0 39.0

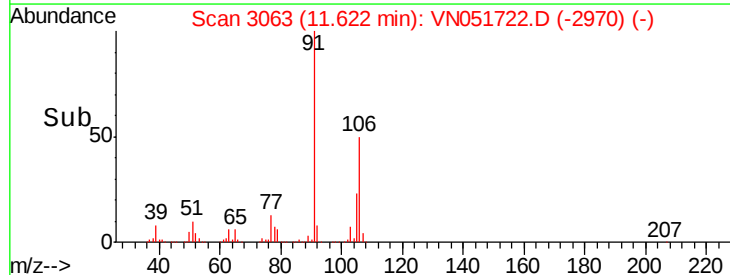
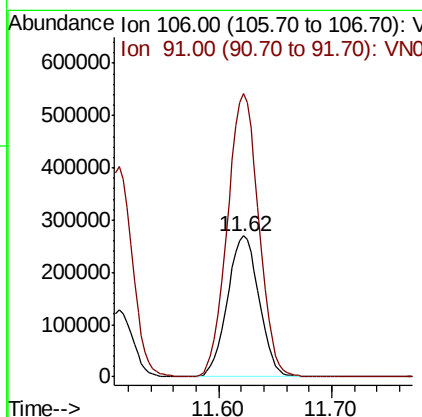
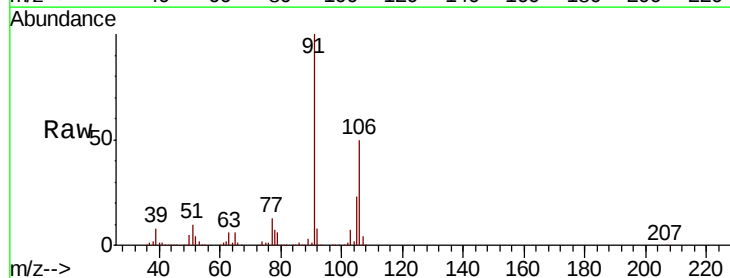
Manual Integrations
APPROVED

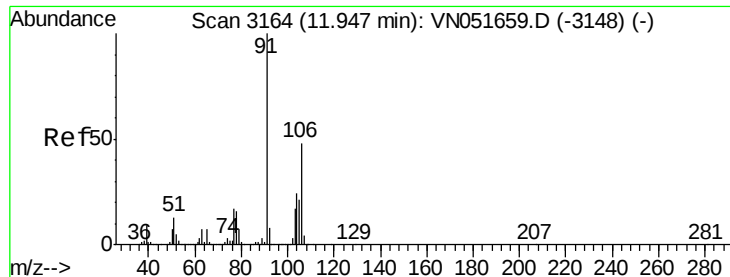
MMDadoda
10/10/2018 11:48:36 AM



#68
m/p-Xylenes
Concen: 39.187 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion: 106 Resp: 526177
Ion Ratio Lower Upper
106 100
91 198.7 158.4 237.6





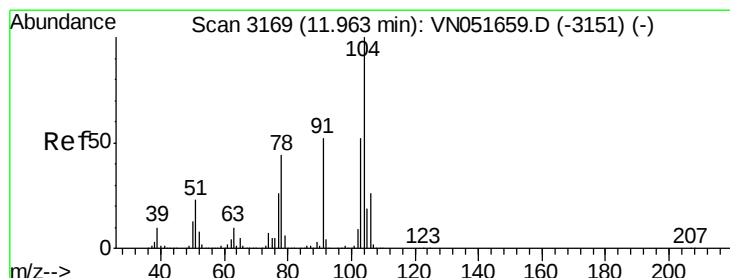
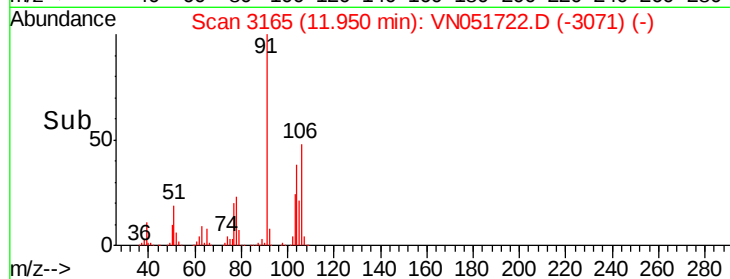
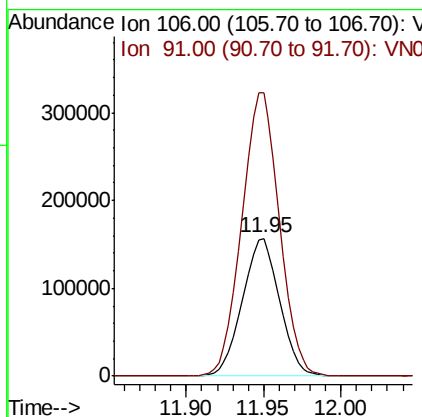
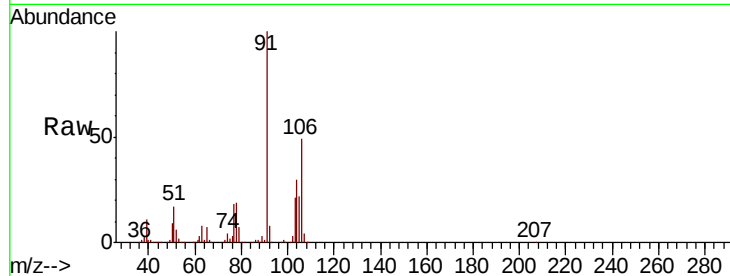
#69
o-Xylene
Concen: 19.963 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

Tot Ion:106 Resp: 262877
Ion Ratio Lower Upper
106 100
91 208.0 104.4 313.2

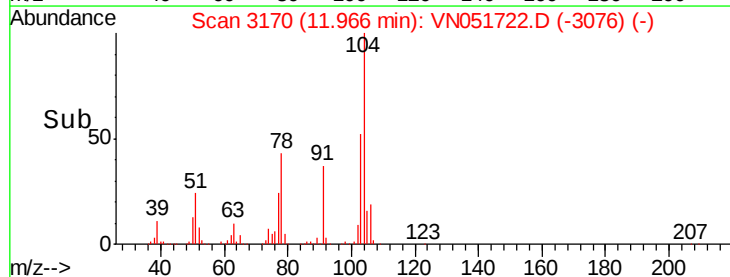
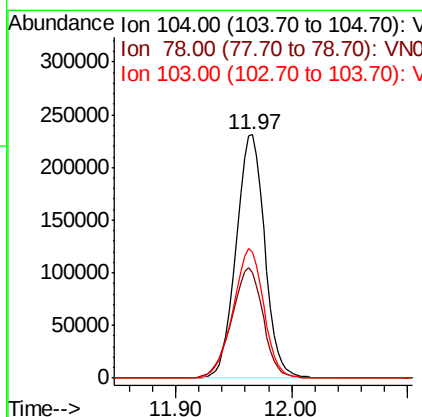
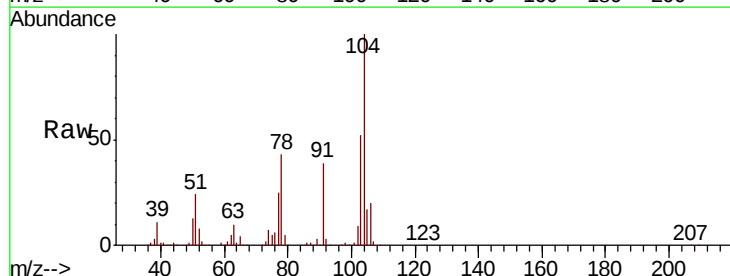
Manual Integrations
APPROVED

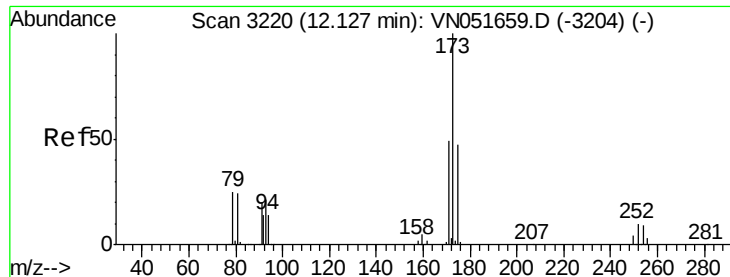
MMDadoda
10/10/2018 11:48:36 AM



#70
Styrene
Concen: 18.830 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion:104 Resp: 395106
Ion Ratio Lower Upper
104 100
78 49.8 39.3 58.9
103 57.1 45.0 67.6





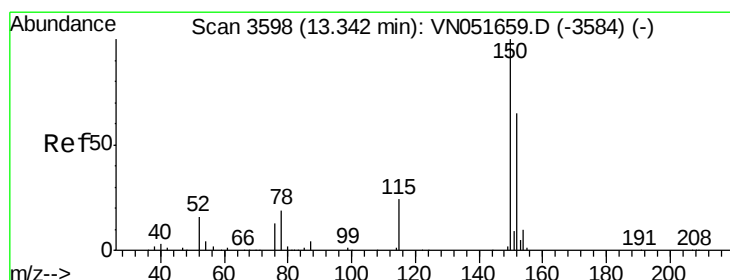
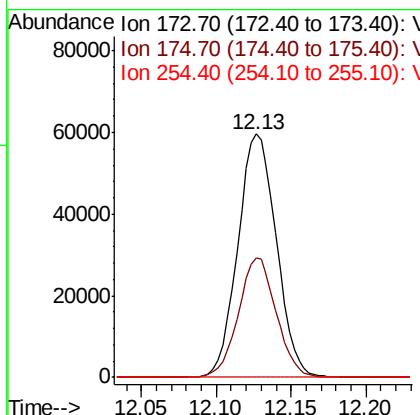
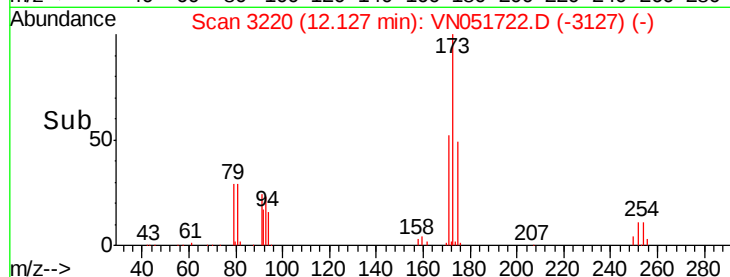
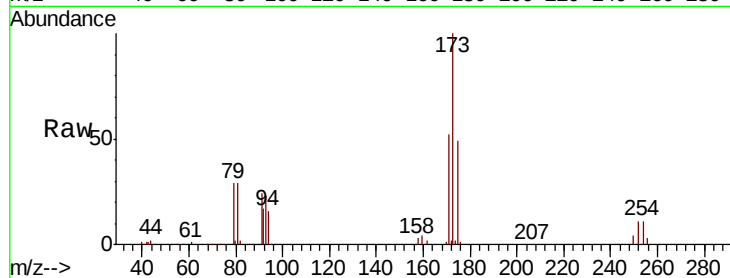
#71
Bromoform
Concen: 18.454 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.0	72.0
254	0.0	0.1	0.1

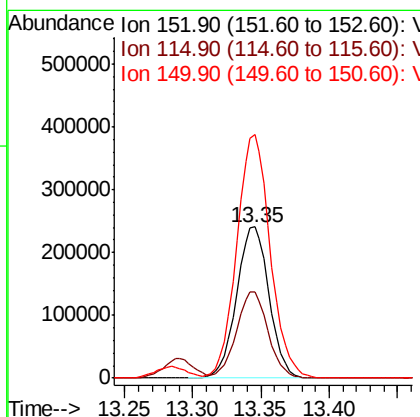
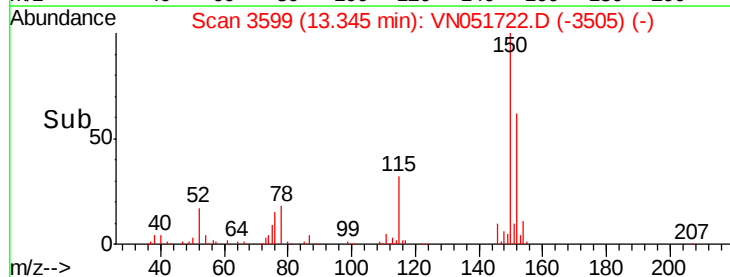
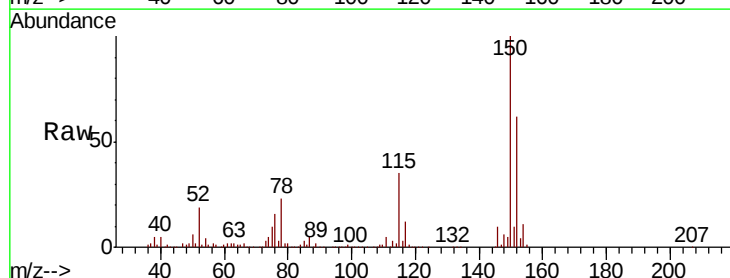
Manual Integrations
APPROVED

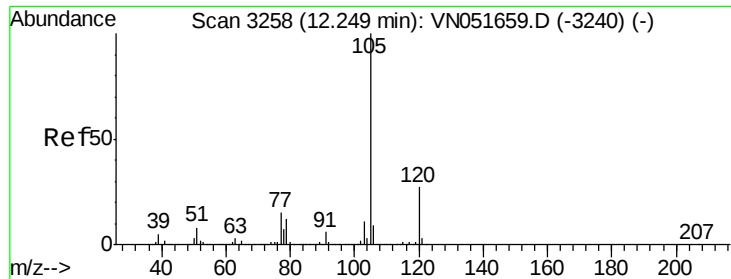
MMDadoda
10/10/2018 11:48:36 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.6	85.8
150	165.5	0.0	352.4





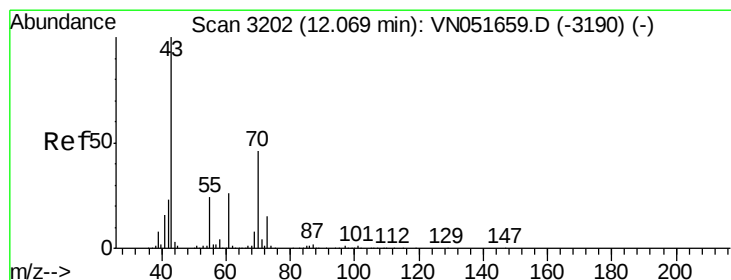
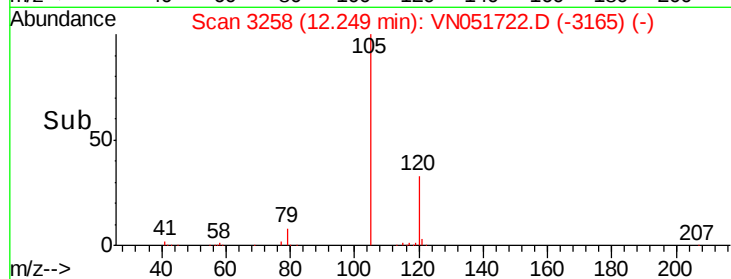
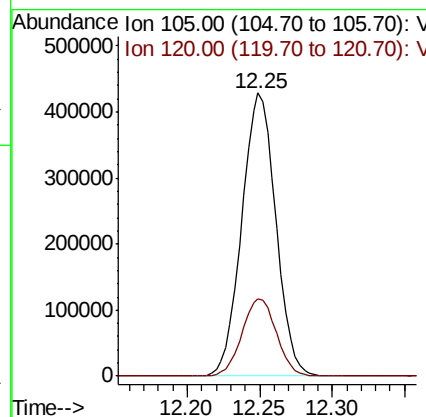
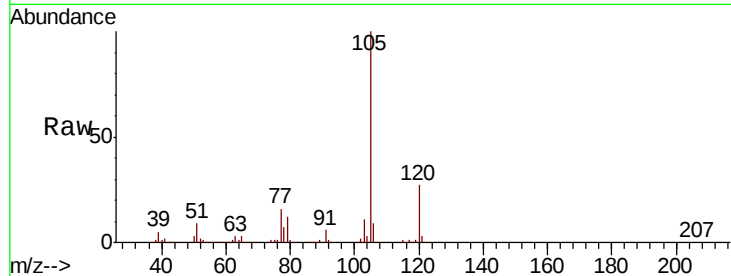
#73
Isopropylbenzene
Concen: 20.619 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.7	13.9	41.6

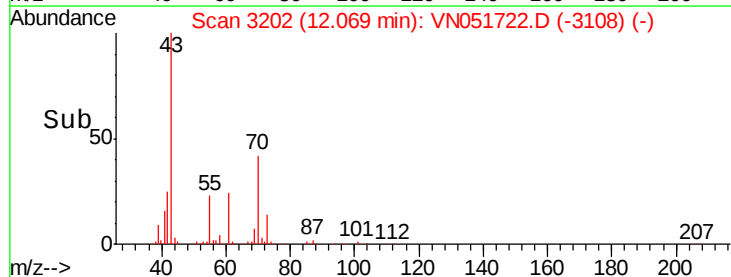
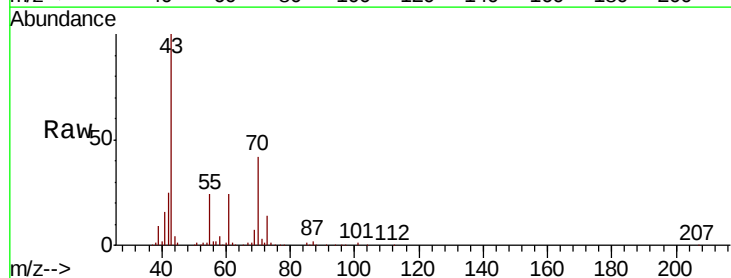
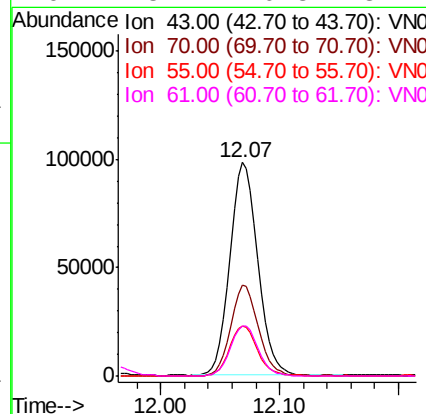
Manual Integrations
APPROVED

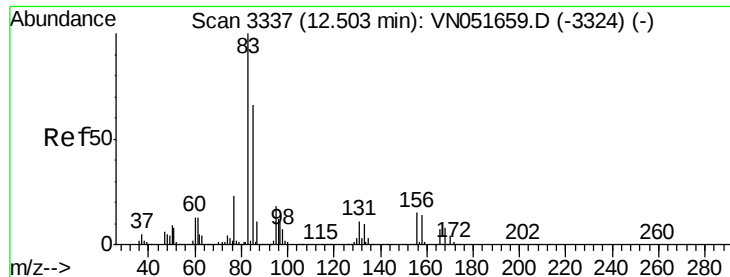
MMDadoda
10/10/2018 11:48:36 AM



#74
N-ethyl acetate
Concen: 20.965 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.2	37.1	55.7
55	23.7	19.1	28.7
61	23.7	20.8	31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.903 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBS01

Tot Ion: 83 Resp: 152030
Ion Ratio Lower Upper

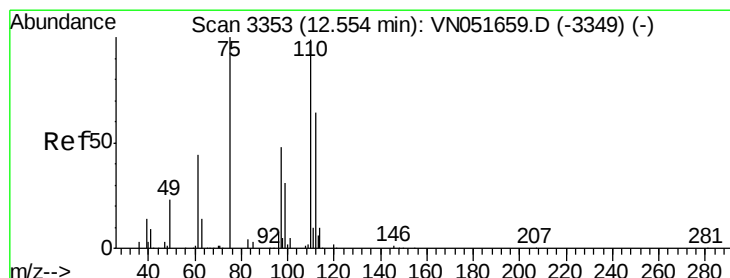
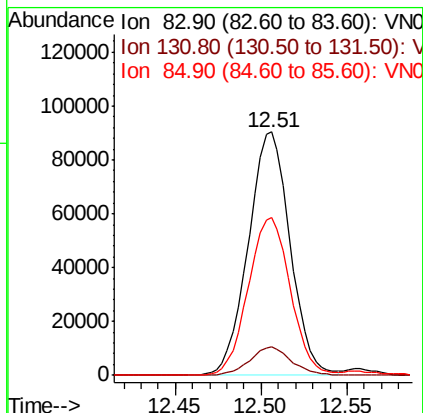
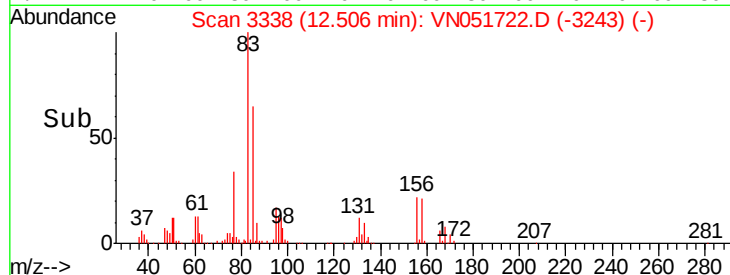
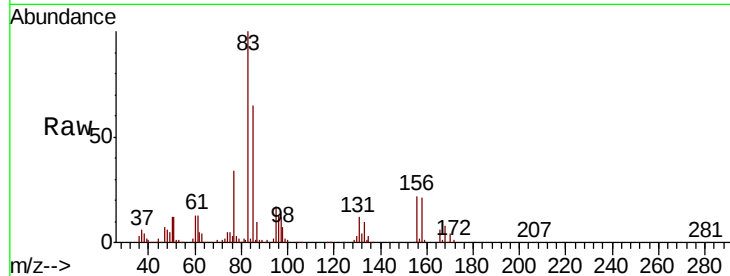
83 100

131 11.5 5.7 17.1

85 65.4 33.0 98.9

Manual Integrations
APPROVED

MMDadoda
10/10/2018 11:48:36 AM



#76

1,2,3-Trichloropropane

Concen: 25.066 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

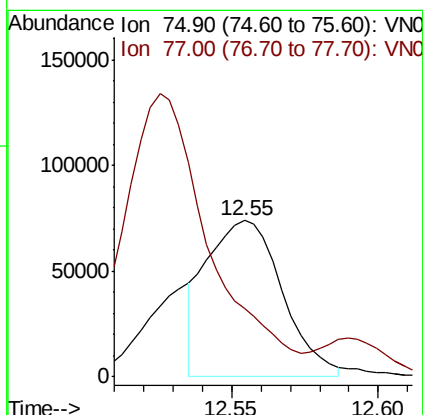
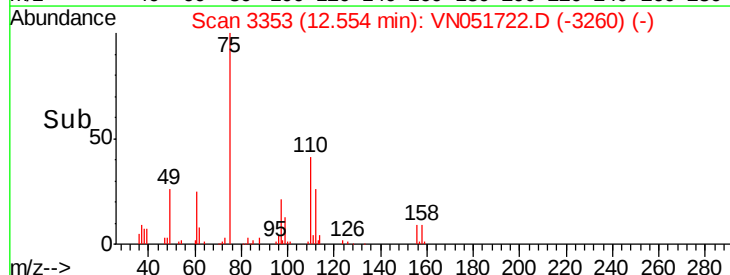
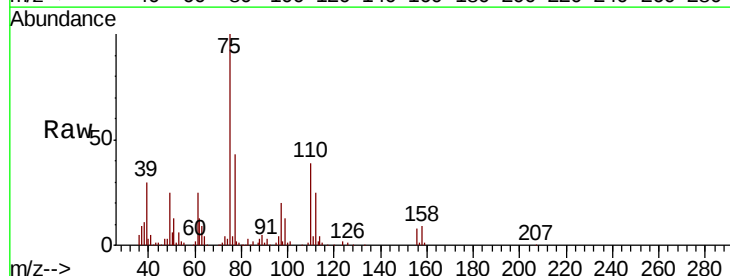
Lab File: VN051722.D

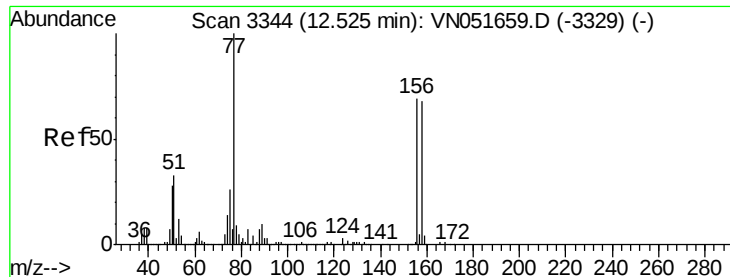
Acq: 8 Oct 2018 9:37

Tgt Ion: 75 Resp: 133821
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





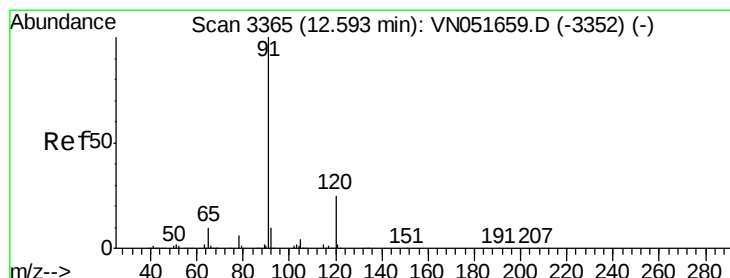
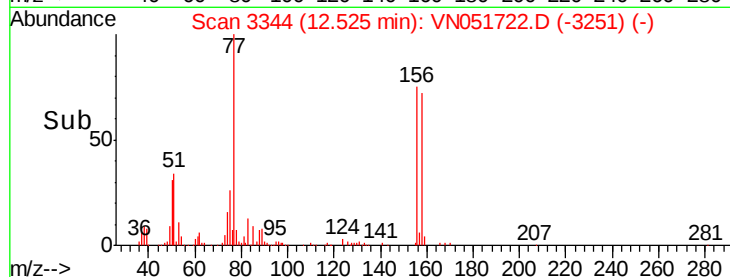
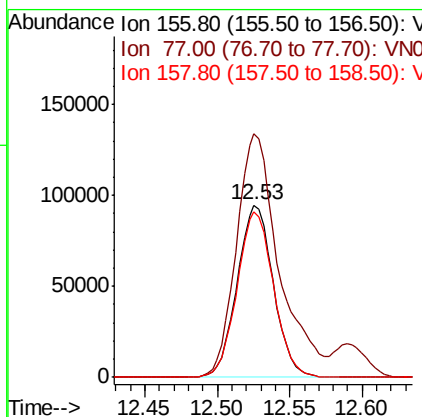
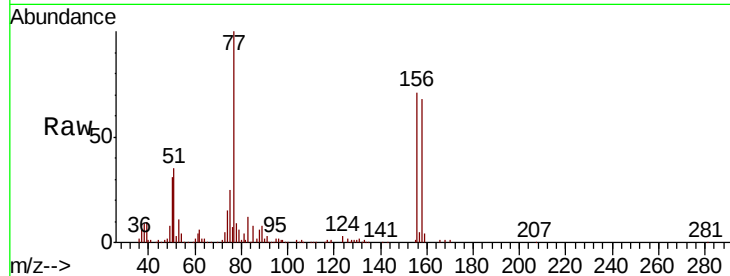
#77
Bromobenzene
Concen: 19.834 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	166.4	83.2	249.4
158	96.9	49.0	147.2

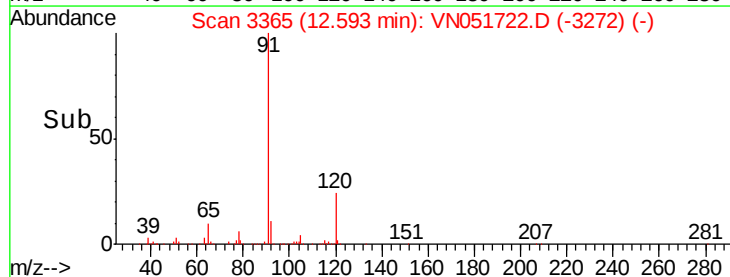
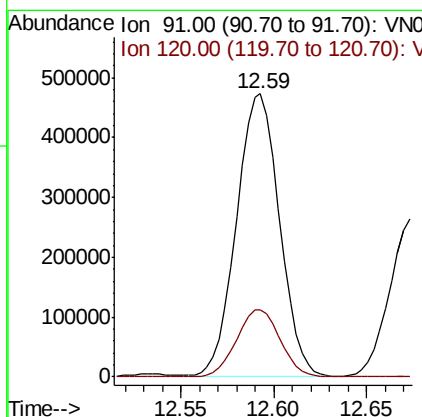
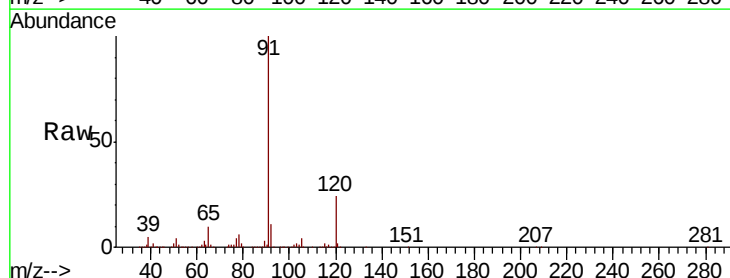
Manual Integrations
APPROVED

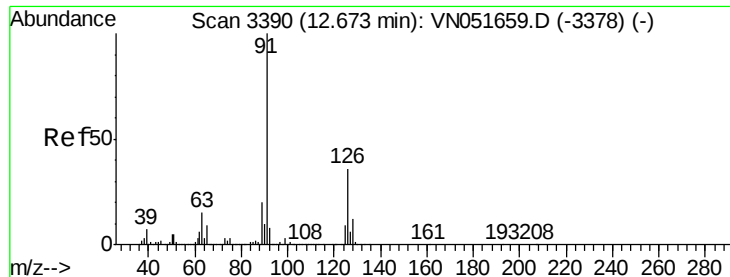
MMDadoda
10/10/2018 11:48:36 AM



#78
n-propylbenzene
Concen: 20.543 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	12.4	37.2





#79

2-Chlorotoluene

Concen: 20.336 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBS01

Tot Ion: 91 Resp: 442667

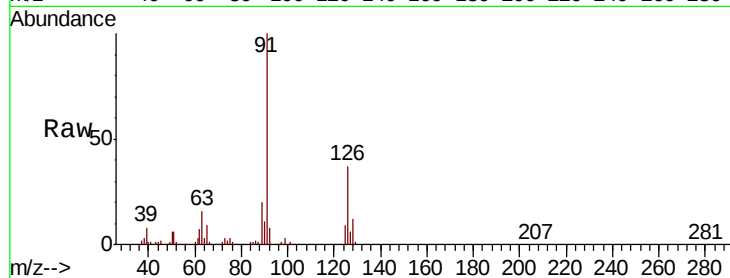
Ion Ratio Lower Upper

91 100

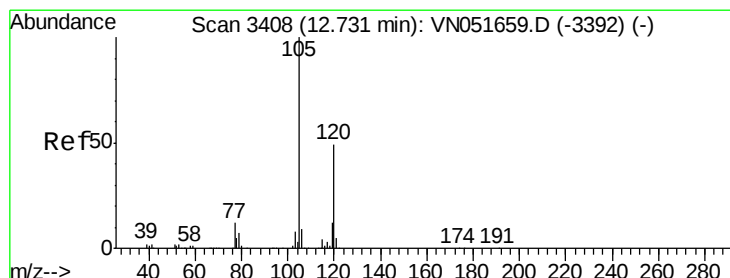
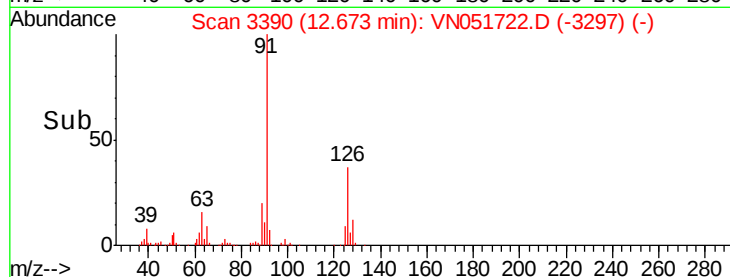
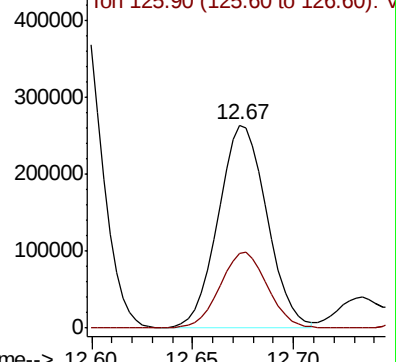
126 36.6 18.5 55.5

Manual Integrations
APPROVED

MMDadoda
10/10/2018 11:48:36 AM



Abundance Ion 91.00 (90.70 to 91.70): VN051659.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.470 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051722.D

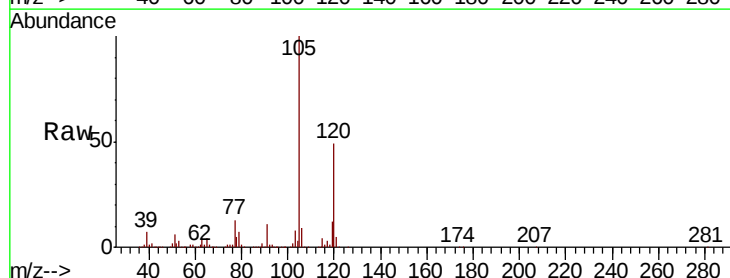
Acq: 8 Oct 2018 9:37

Tgt Ion: 105 Resp: 584141

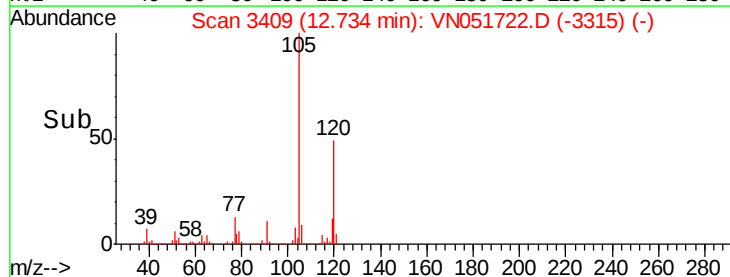
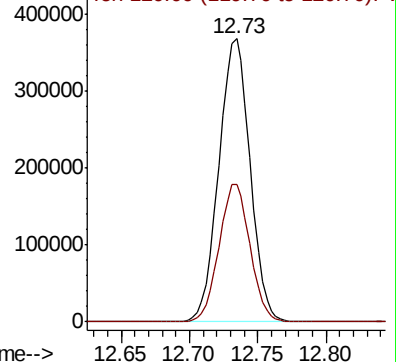
Ion Ratio Lower Upper

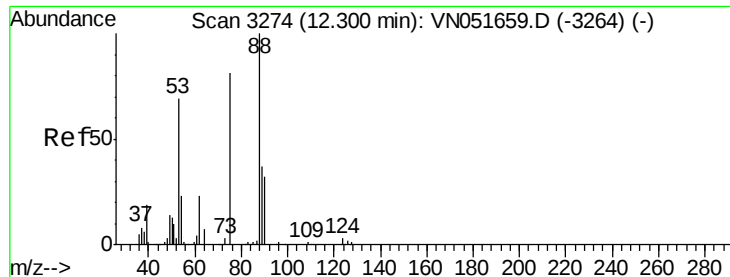
105 100

120 48.3 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN051659.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.014 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

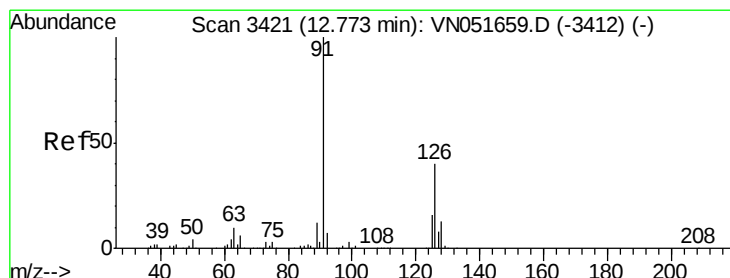
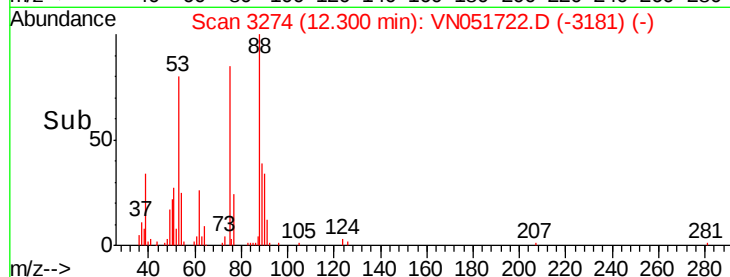
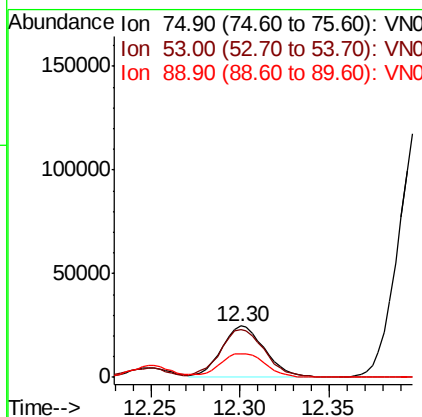
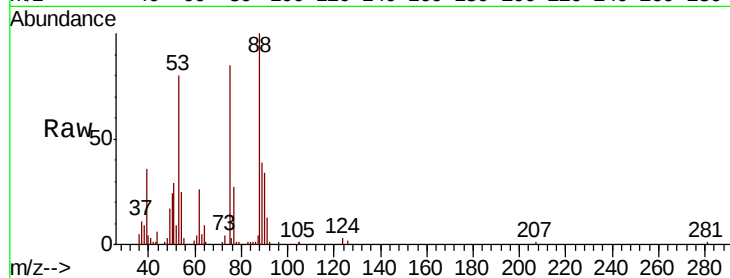
ClientSampleId :

VN1008MBS01

Tot Ion:	75	Resp:	41090
Ion	Ratio	Lower	Upper
75	100		
53	96.9	68.6	102.8
89	50.3	39.4	59.2

Manual Integrations
APPROVED

MMDadoda
10/10/2018 11:48:36 AM



#82

4-Chlorotoluene

Concen: 19.923 ug/l

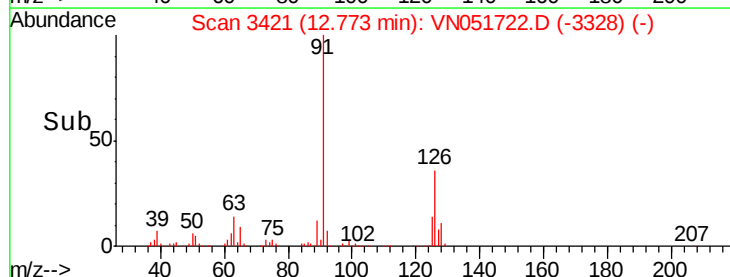
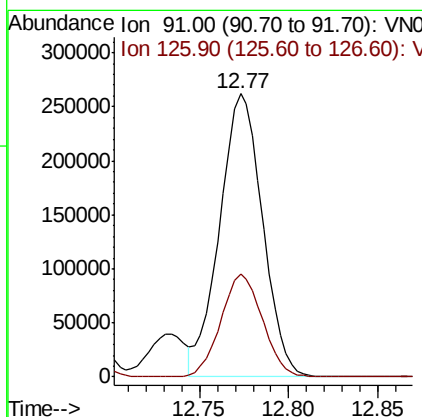
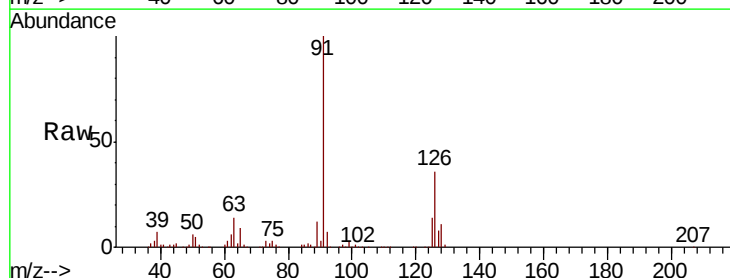
RT: 12.77 min Scan# 3421

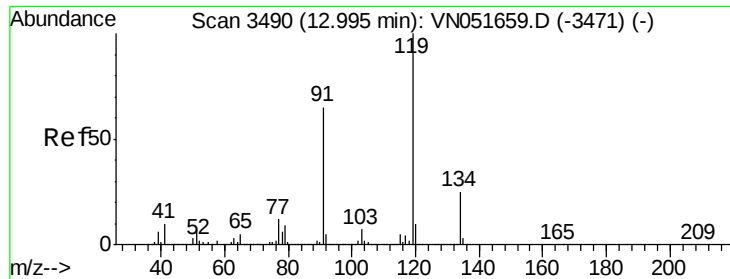
Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Tgt Ion:	91	Resp:	435653
Ion	Ratio	Lower	Upper
91	100		
126	35.4	18.0	54.0





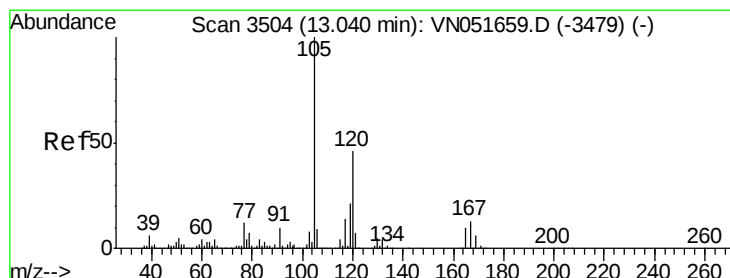
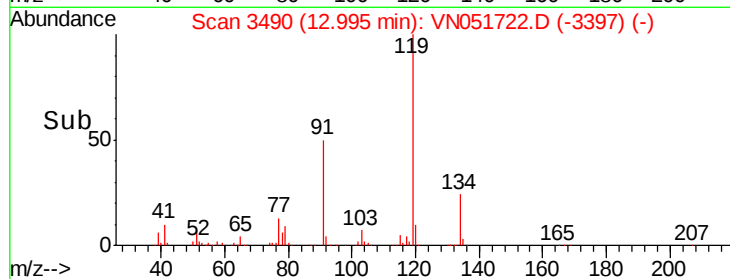
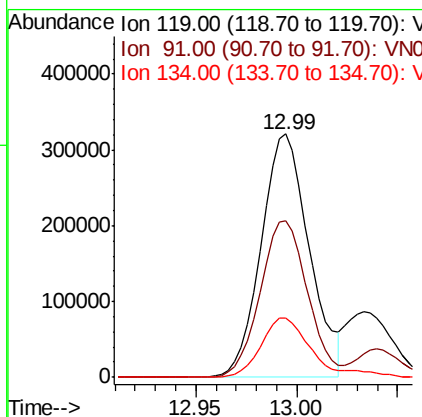
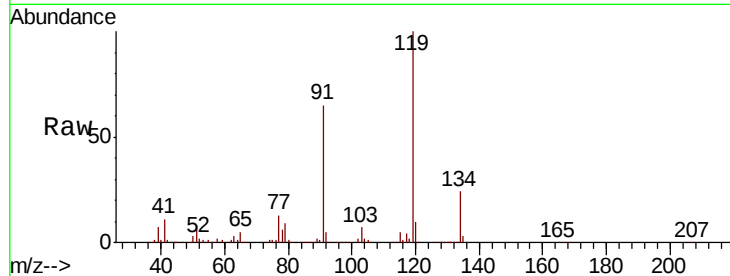
#83
tert-Butylbenzene
Concen: 20.867 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	533585		
91	63.6	32.1	96.5	
134	25.9	13.3	39.9	

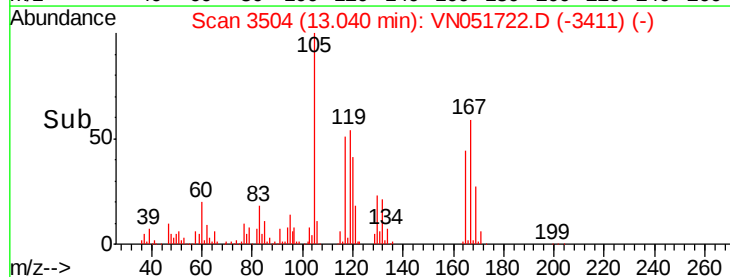
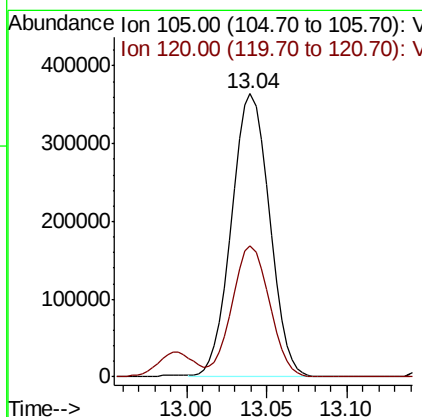
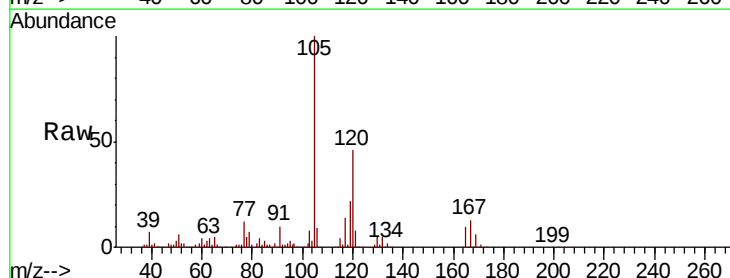
Manual Integrations
APPROVED

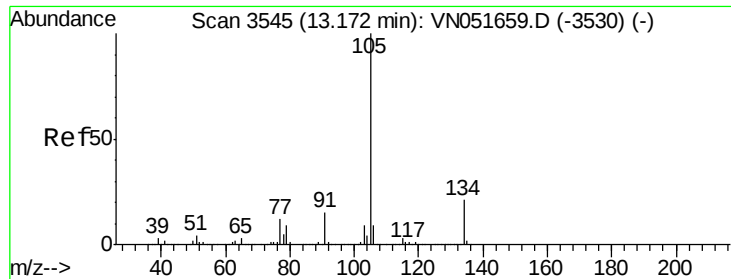
MMDadoda
10/10/2018 11:48:36 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.608 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	589054		
120	45.8	22.9	68.7	





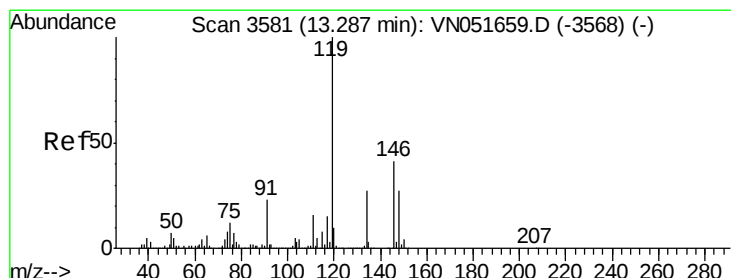
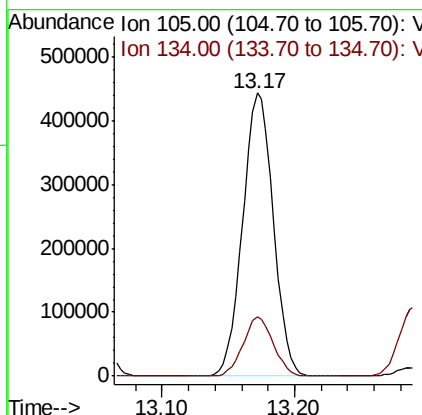
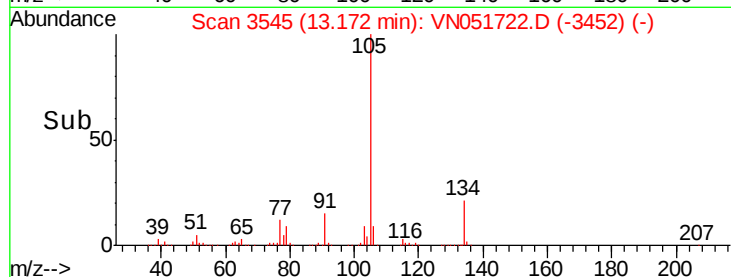
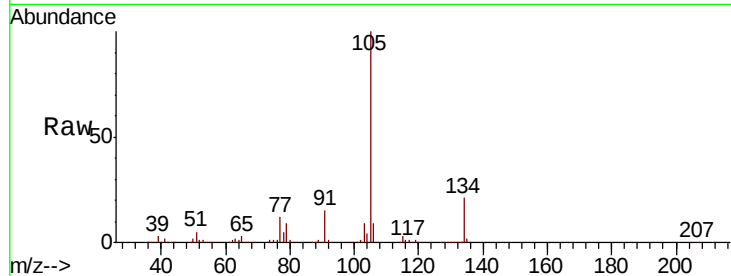
#85
 sec-Butylbenzene
 Concen: 20.954 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	708755		
134	20.6	10.5	31.6	

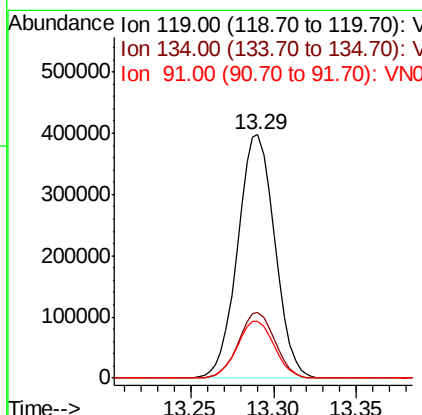
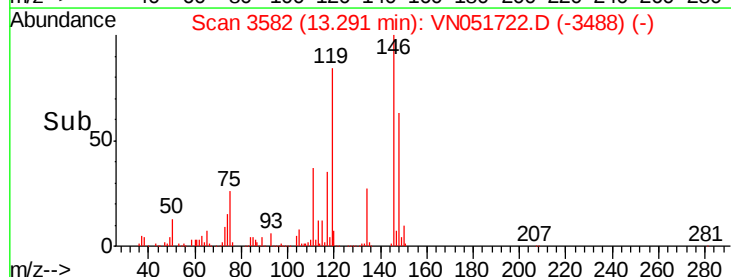
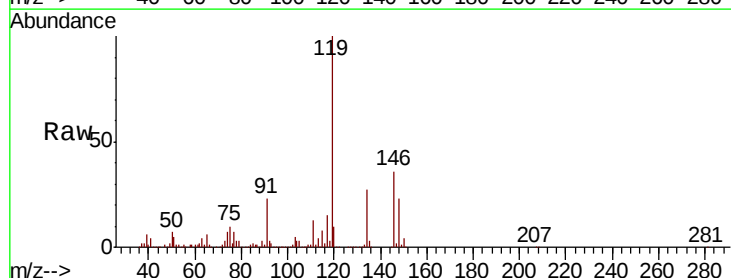
Manual Integrations
 APPROVED

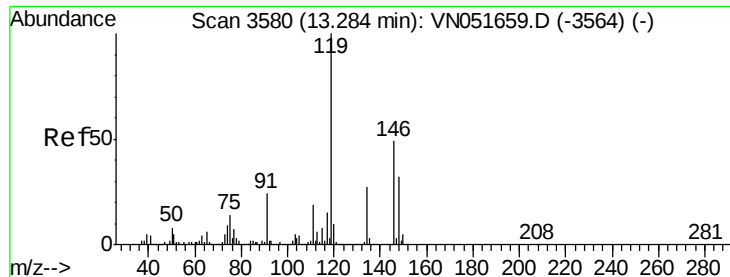
MMDadoda
 10/10/2018 11:48:36 AM



#86
 p-Isopropyltoluene
 Concen: 20.586 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	617296		
134	26.6	13.4	40.2	
91	23.3	11.7	35.1	





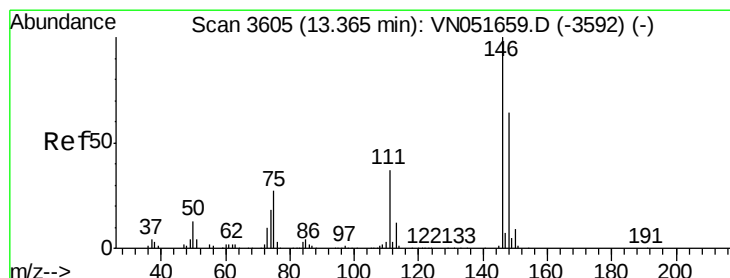
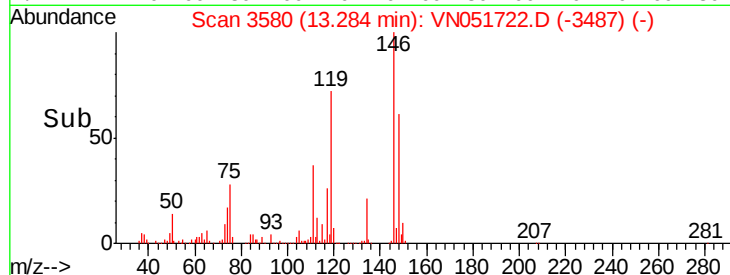
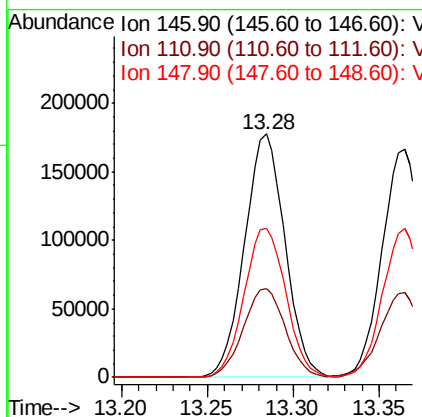
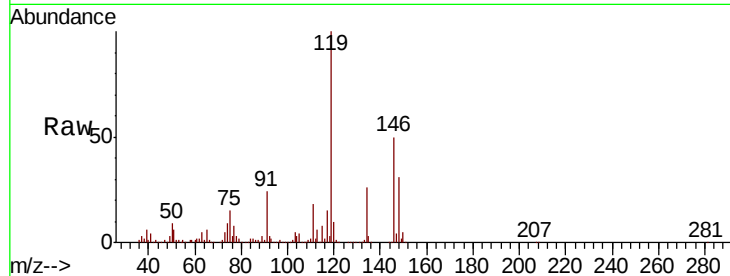
#87
 1,3-Dichlorobenzene
 Concen: 20.128 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	290401		
111	37.8	19.3	57.9	
148	62.9	32.5	97.5	

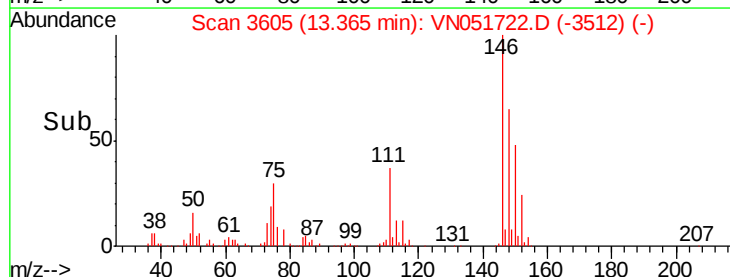
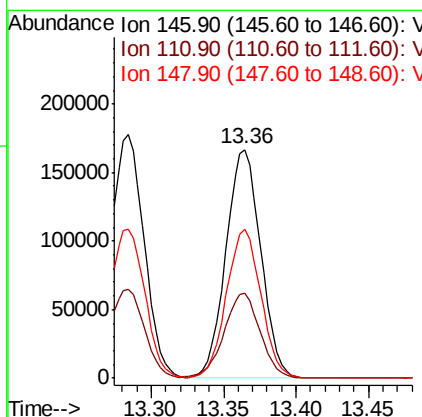
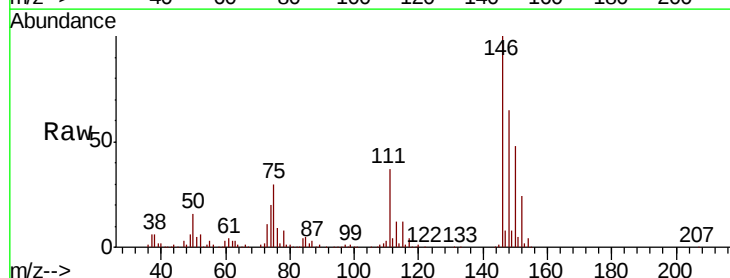
Manual Integrations
 APPROVED

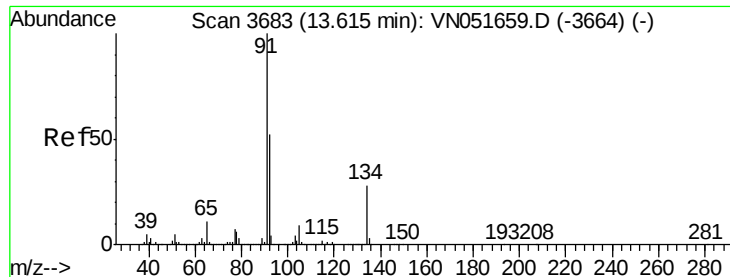
MMDadoda
 10/10/2018 11:48:36 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.536 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	277434		
111	38.6	18.6	55.8	
148	64.5	32.3	96.8	





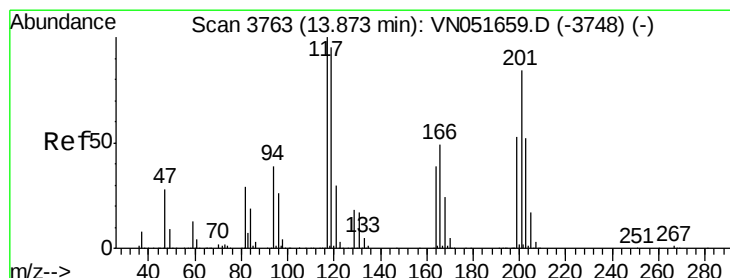
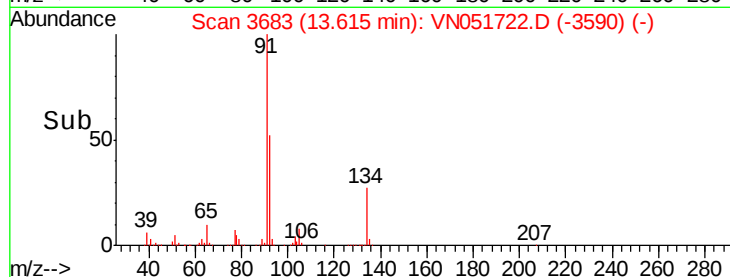
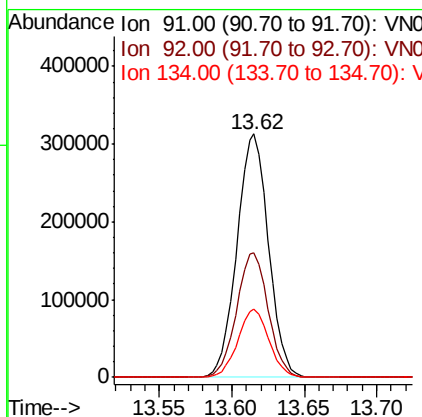
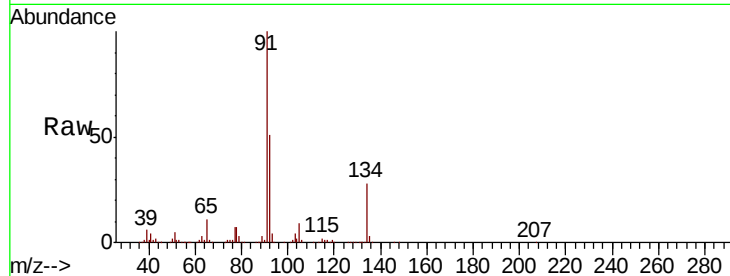
#89
n-Butylbenzene
Concen: 19.932 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.0	78.0
134	27.6	14.2	42.6

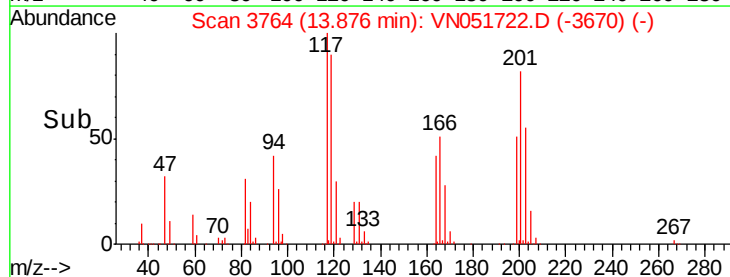
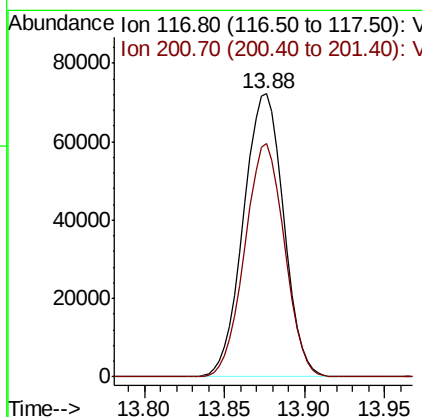
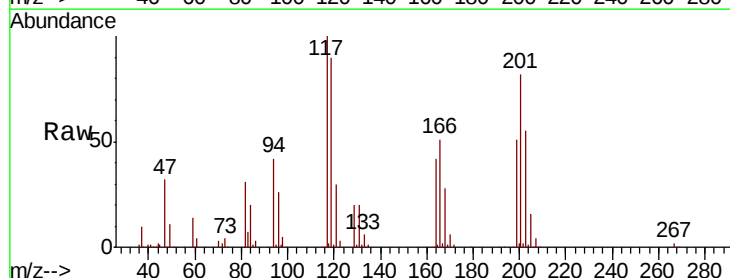
Manual Integrations
APPROVED

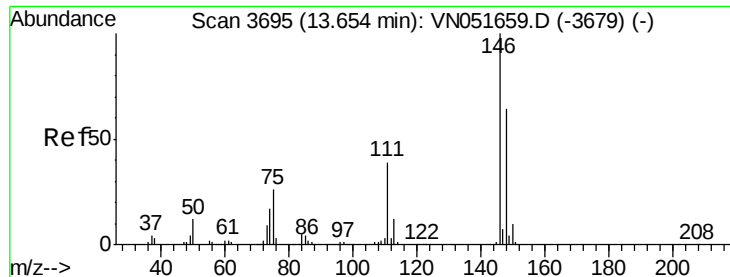
MMDadoda
10/10/2018 11:48:36 AM



#90
Hexachloroethane
Concen: 20.744 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.4	42.4	127.3





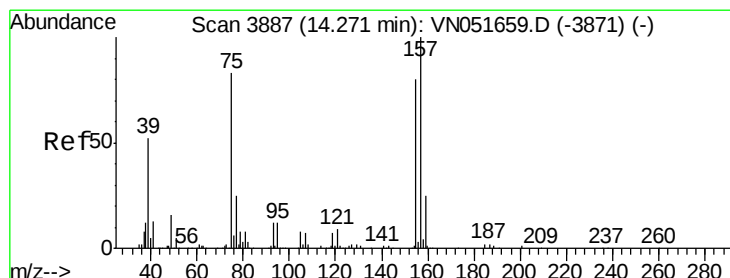
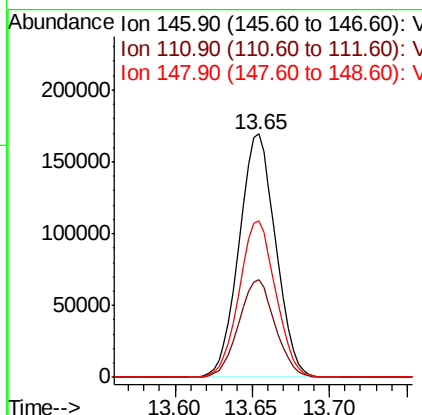
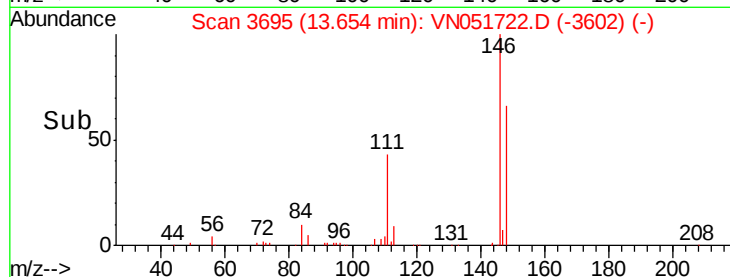
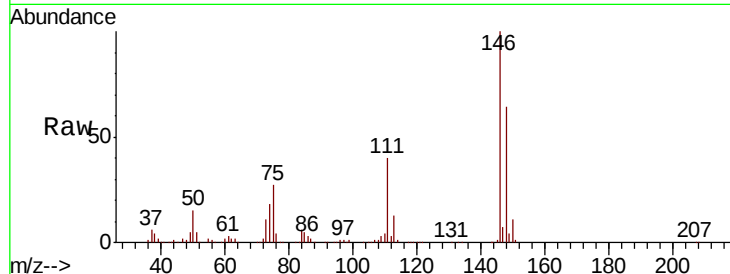
#91
 1,2-Dichlorobenzene
 Concen: 19.453 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.7	59.0
148	64.3	32.1	96.3

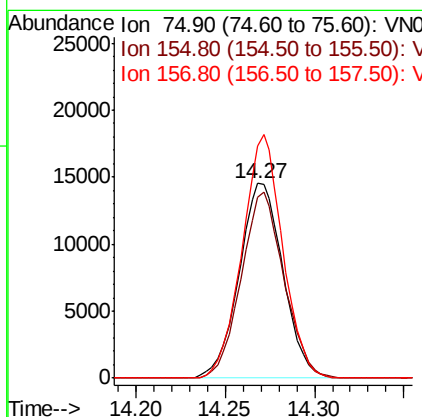
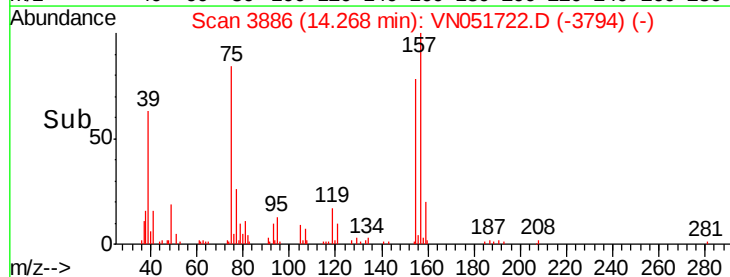
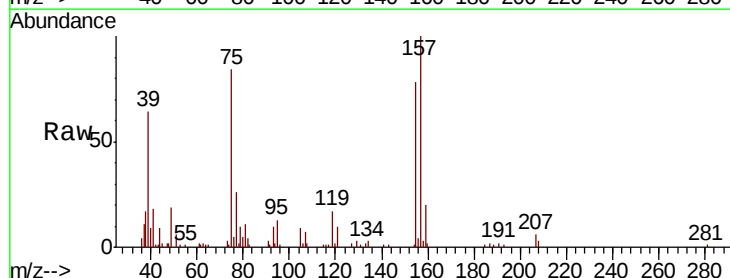
Manual Integrations
 APPROVED

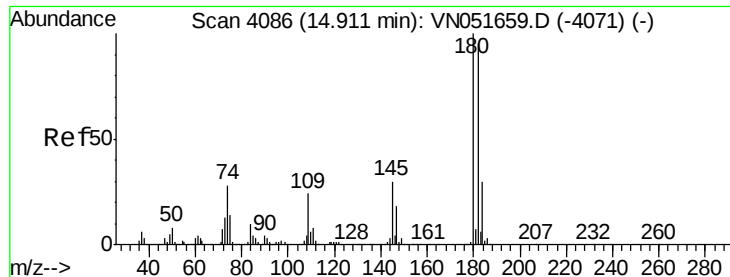
MMDadoda
 10/10/2018 11:48:36 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.942 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.1	47.6	142.9
157	115.8	61.7	185.1





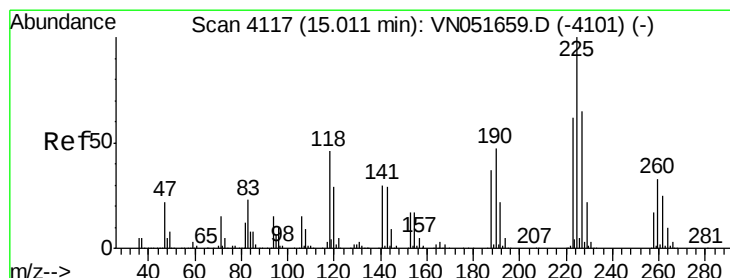
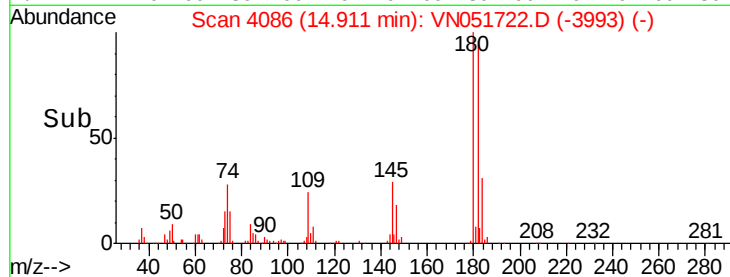
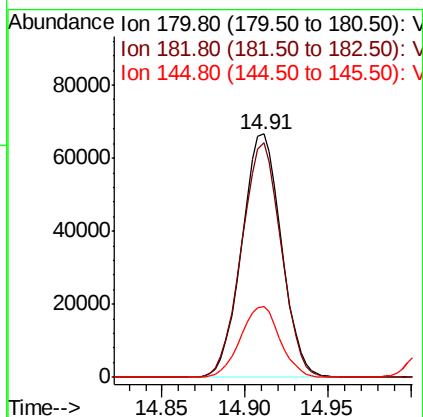
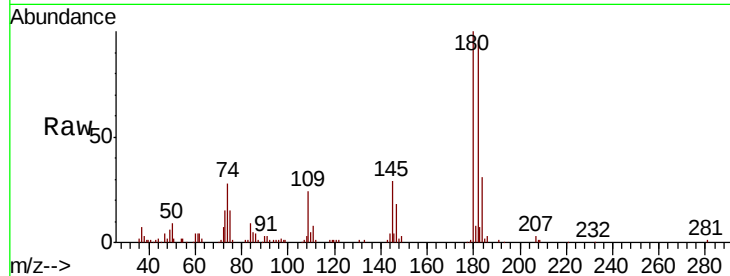
#93
 1,2,4-Trichlorobenzene
 Concen: 17.311 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	110481		
182	96.5	47.7	143.1	
145	29.1	15.3	45.9	

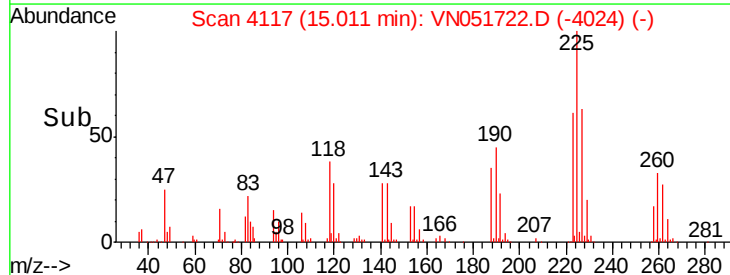
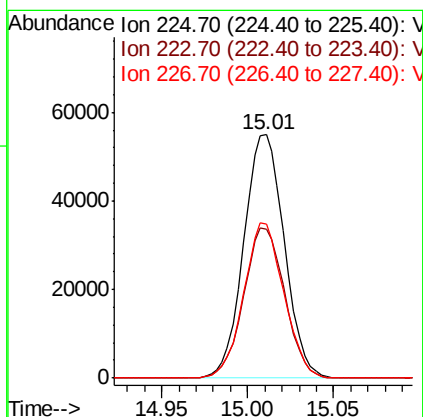
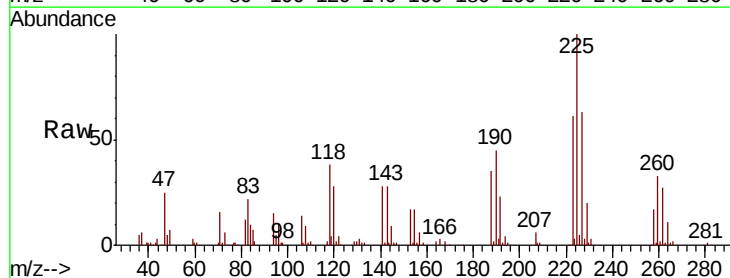
Manual Integrations
 APPROVED

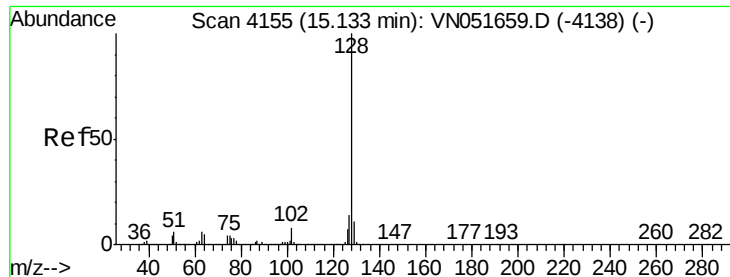
MMDadoda
 10/10/2018 11:48:36 AM



#94
 Hexachlorobutadiene
 Concen: 20.703 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	89649		
223	62.5	31.9	95.5	
227	63.1	31.7	95.1	





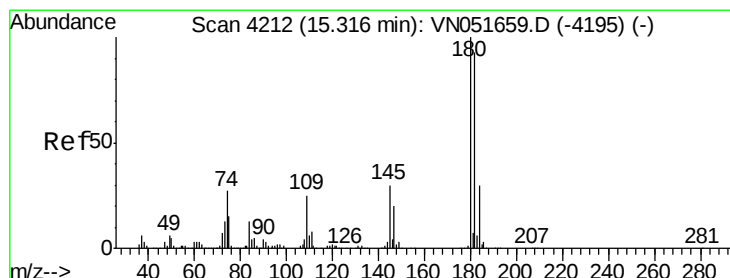
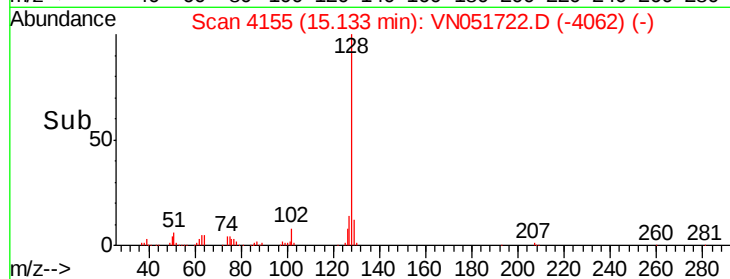
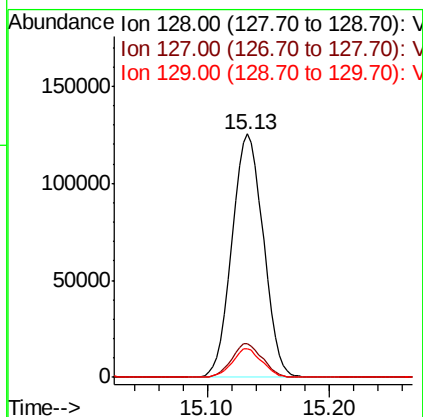
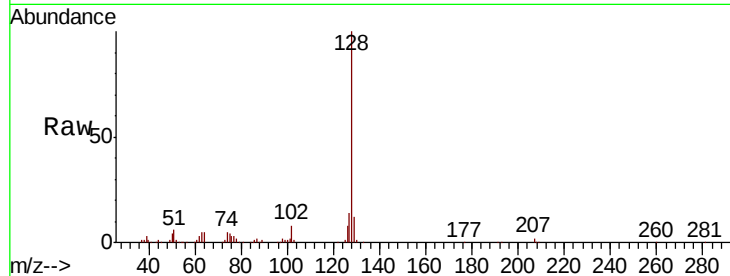
#95
Naphthalene
Concen: 16.288 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	11.1	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
10/10/2018 11:48:36 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.224 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.3	141.8
145	30.6	15.6	46.8

