

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057804.D
 Acq On : 9 Sep 2019 16:32
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 4:30:18 PM

Quant Time: Sep 10 02:52:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 02:26:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	390551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	629048	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	612910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	377306	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	1129091	123.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	246.72%	
35) Dibromofluoromethane	7.57	113	836998	146.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.80%	
50) Toluene-d8	10.08	98	3189500	148.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.54%	
62) 4-Bromofluorobenzene	12.40	95	1317758	152.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	811061	133.577	ug/l	100
3) Chloromethane	2.03	50	698016	66.497	ug/l	100
4) Vinyl Chloride	2.16	62	757316	139.951	ug/l	100
5) Bromomethane	2.50	94	486416	183.926	ug/l	97
6) Chloroethane	2.66	64	470617m	145.594	ug/l	
7) Trichlorofluoromethane	2.98	101	1024856	122.474	ug/l	99
8) Diethyl Ether	3.39	74	416761	124.967	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	635932	121.222	ug/l	98
10) Methyl Iodide	3.92	142	792670	150.249	ug/l	99
11) Tert butyl alcohol	4.77	59	713058	664.529	ug/l	100
12) 1,1-Dichloroethene	3.71	96	558310	118.952	ug/l	98
13) Acrolein	3.58	56	599438	1036.451	ug/l	100
14) Allyl chloride	4.29	41	1141801	108.887	ug/l	100
15) Acrylonitrile	4.96	53	1912195	697.714	ug/l	100
16) Acetone	3.80	43	1763112	610.266	ug/l	97
17) Carbon Disulfide	4.02	76	994027	97.767	ug/l	100
18) Methyl Acetate	4.30	43	983181	125.694	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	2527161	127.330	ug/l	99
20) Methylene Chloride	4.52	84	735985	119.350	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	598344	121.107	ug/l	98
22) Diisopropyl ether	5.93	45	2893487	127.074	ug/l	97
23) Vinyl Acetate	5.87	43	8678970	481.662	ug/l #	85
24) 1,1-Dichloroethane	5.82	63	1454145	124.007	ug/l	99
25) 2-Butanone	6.82	43	2696057	653.644	ug/l	99
26) 2,2-Dichloropropane	6.81	77	1264749	130.662	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	838593	132.841	ug/l	99
28) Bromochloromethane	7.18	49	743774	119.891	ug/l	96
29) Tetrahydrofuran	7.19	42	1662336	629.761	ug/l	100
30) Chloroform	7.36	83	1542289	126.050	ug/l	99
31) Cyclohexane	7.64	56	1046744	103.275	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	1279244	126.771	ug/l	99
36) 1,1-Dichloropropene	7.78	75	1011060	124.171	ug/l	99
37) Ethyl Acetate	6.91	43	1062221	131.510	ug/l	98
38) Carbon Tetrachloride	7.76	117	1047991	135.605	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057804.D
 Acq On : 9 Sep 2019 16:32
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 4:30:18 PM

Quant Time: Sep 10 02:52:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 02:26:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	1086187	126.926	ug/l	99
40) Benzene	8.03	78	3069289	131.859	ug/l	97
41) Methacrylonitrile	7.16	41	527533	133.337	ug/l	95
42) 1,2-Dichloroethane	8.11	62	1240436	116.245	ug/l	100
43) Isopropyl Acetate	8.15	43	1958137	126.962	ug/l #	92
44) Trichloroethene	8.82	130	760514	144.489	ug/l	98
45) 1,2-Dichloropropane	9.11	63	917487	140.364	ug/l	100
46) Dibromomethane	9.20	93	560584	134.950	ug/l	99
47) Bromodichloromethane	9.40	83	1239095	140.469	ug/l	98
48) Methyl methacrylate	9.19	41	963173	121.502	ug/l	99
49) 1,4-Dioxane	9.19	88	313746	3249.265	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	4456653	513.579	ug/l #	79
52) Toluene	10.15	92	2022033	142.288	ug/l	89
53) t-1,3-Dichloropropene	10.38	75	1414020	158.885	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	1471096	152.486	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	878264	151.453	ug/l	99
56) Ethyl methacrylate	10.43	69	1416044	154.258	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1513097	145.990	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	2952826	633.301	ug/l	95
59) 2-Hexanone	10.75	43	3644430	590.505	ug/l	85
60) Dibromochloromethane	10.90	129	965959	172.906	ug/l	100
61) 1,2-Dibromoethane	11.00	107	858480	155.436	ug/l	100
64) Tetrachloroethene	10.63	164	622274	132.021	ug/l	99
65) Chlorobenzene	11.43	112	2253563	140.573	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.51	131	884593	158.540	ug/l	100
67) Ethyl Benzene	11.51	91	3524291	115.894	ug/l #	79
68) m/p-Xylenes	11.62	106	2983254	282.012	ug/l #	69
69) o-Xylene	11.95	106	1548731	147.205	ug/l	88
70) Styrene	11.96	104	2664546	145.924	ug/l	95
71) Bromoform	12.13	173	659059	183.426	ug/l	98
73) Isopropylbenzene	12.25	105	3575268	109.335	ug/l	88
74) N-amyl acetate	12.07	43	1946132	121.364	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	1370515	137.445	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	1236152m	143.704	ug/l	
77) Bromobenzene	12.53	156	1029574	143.326	ug/l	98
78) n-propylbenzene	12.59	91	3916232	101.321	ug/l	85
79) 2-Chlorotoluene	12.68	91	2847069	120.758	ug/l	96
80) 1,3,5-Trimethylbenzene	12.74	105	3224021	115.843	ug/l	89
81) trans-1,4-Dichloro-2-buten	12.30	75	446577	162.395	ug/l	94
82) 4-Chlorotoluene	12.78	91	2978411	122.355	ug/l	95
83) tert-Butylbenzene	13.00	119	2967651	125.405	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	3164120	114.655	ug/l	89
85) sec-Butylbenzene	13.17	105	3575105	110.165	ug/l	89
86) p-Isopropyltoluene	13.29	119	3283051	118.543	ug/l	88
87) 1,3-Dichlorobenzene	13.29	146	1946826	143.580	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	1936895	142.814	ug/l	98
89) n-Butylbenzene	13.62	91	3208524	118.183	ug/l	87
90) Hexachloroethane	13.88	117	677251	158.368	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	1907506	143.052	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	263369	137.848	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
Data File : VN057804.D
Acq On : 9 Sep 2019 16:32
Operator : JC/SP
Sample : VSTDICC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

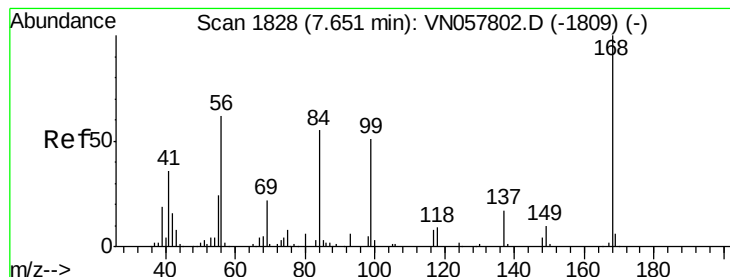
Manual Integrations
APPROVED

MMDadoda
9/10/2019 4:30:18 PM

Quant Time: Sep 10 02:52:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 02:26:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1264015	158.719	ug/l	98
94) Hexachlorobutadiene	15.01	225	544961	142.828	ug/l	98
95) Naphthalene	15.13	128	3233680	139.804	ug/l	96
96) 1,2,3-Trichlorobenzene	15.30	180	1203164	158.089	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 390551

Ion Ratio Lower Upper

168 100

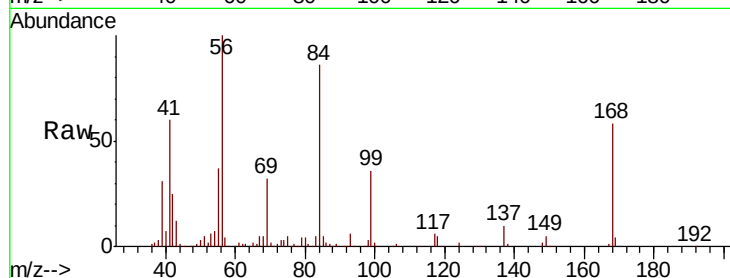
99 61.4 48.0 72.0

Manual Integrations

APPROVED

MMDadoda

9/10/2019 4:30:18 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

300000

200000

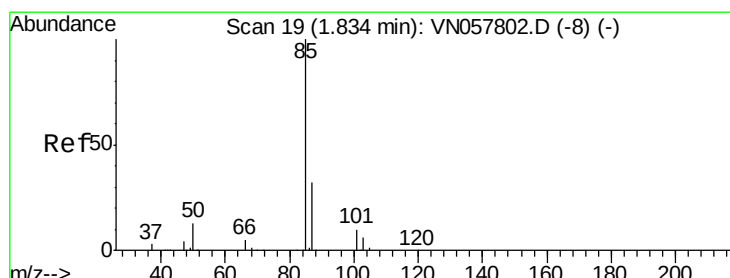
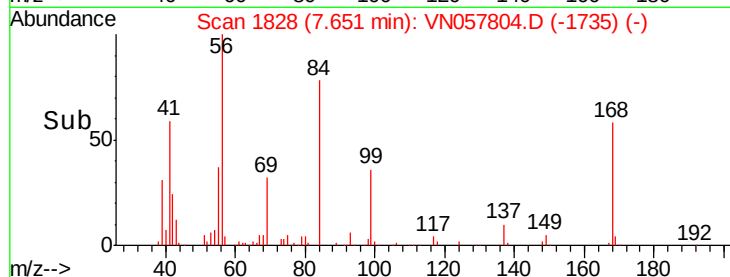
100000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 133.577 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057804.D

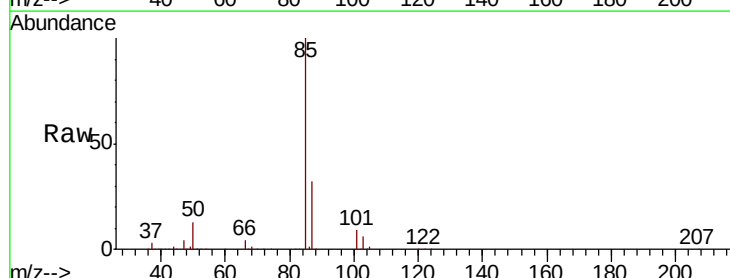
Acq: 9 Sep 2019 16:32

Tgt Ion: 85 Resp: 811061

Ion Ratio Lower Upper

85 100

87 31.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

600000

400000

200000

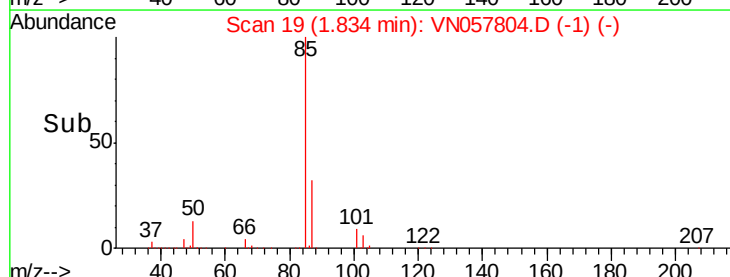
0

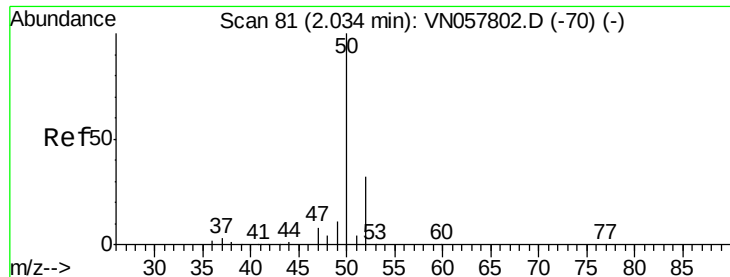
1.80

1.90

2.00

Time-->





#3

Chloromethane

Concen: 66.497 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 50 Resp: 698016

Ion Ratio Lower Upper

50 100

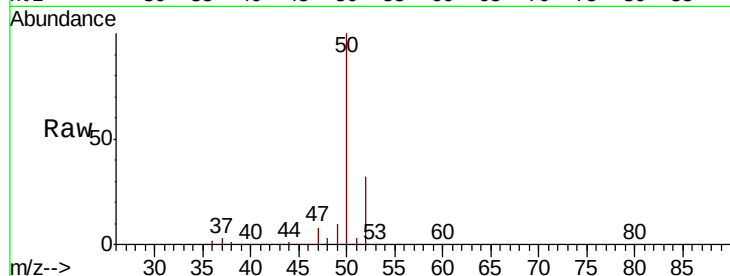
52 32.2 25.5 38.3

Manual Integrations

APPROVED

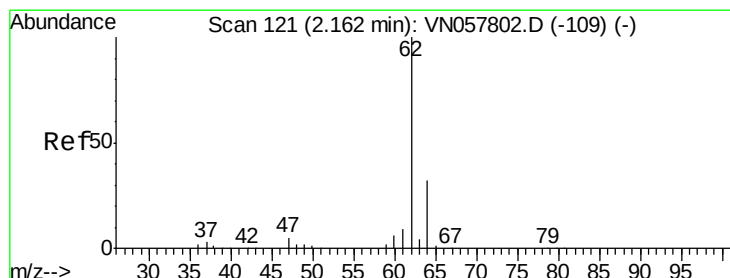
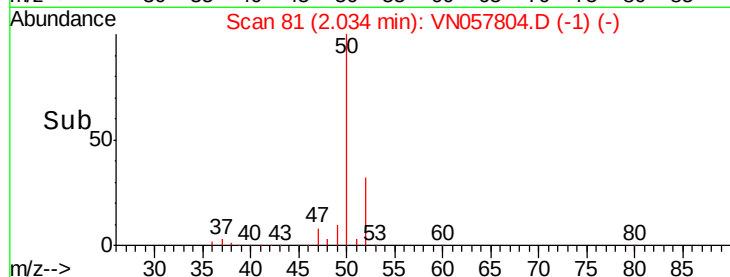
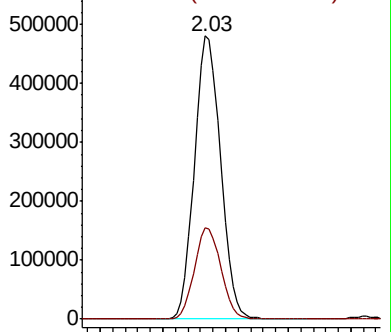
MMDadoda

9/10/2019 4:30:18 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 139.951 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057804.D

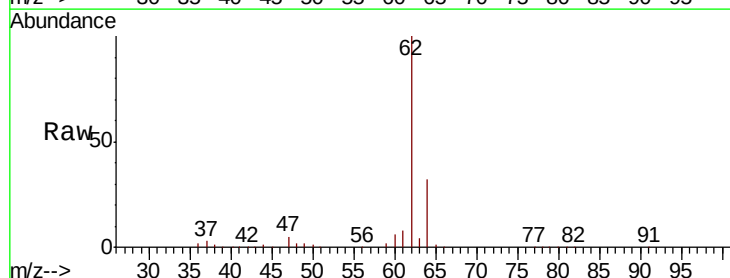
Acq: 9 Sep 2019 16:32

Tgt Ion: 62 Resp: 757316

Ion Ratio Lower Upper

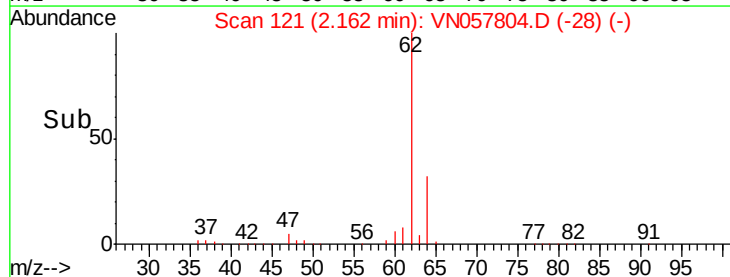
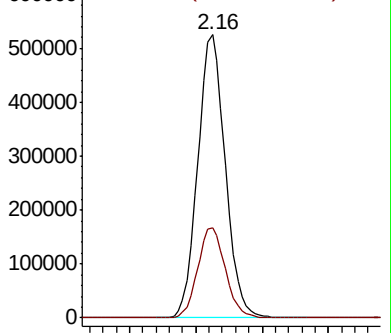
62 100

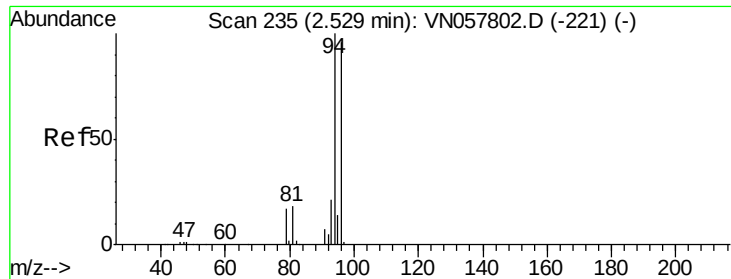
64 31.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 183.926 ug/l

RT: 2.50 min Scan# 227

Delta R.T. -0.03 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 486416

Ion Ratio Lower Upper

94 100

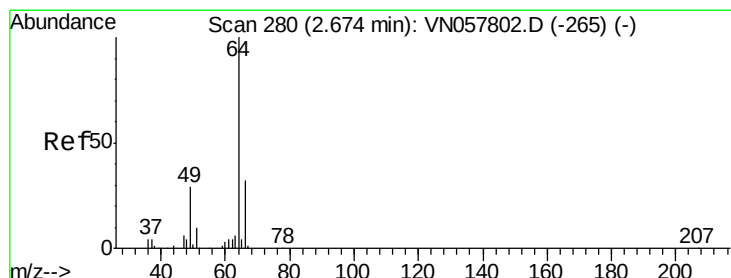
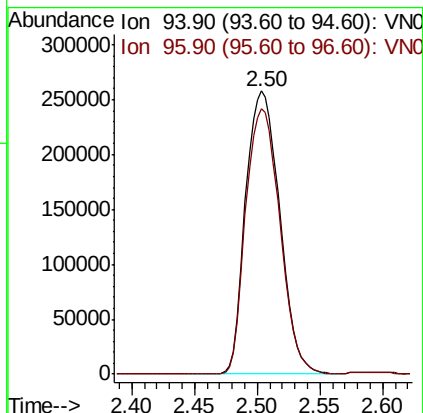
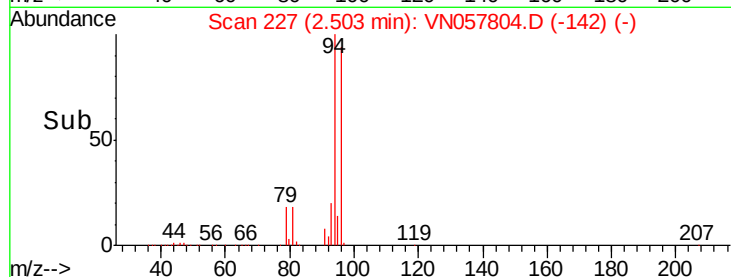
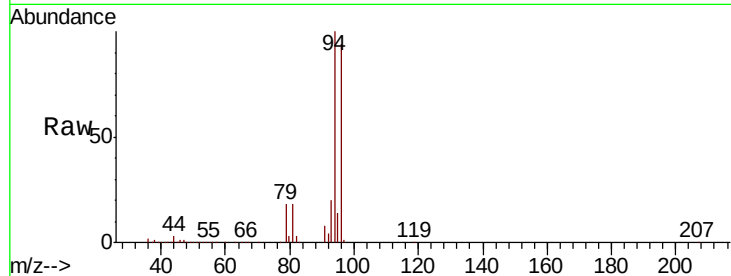
96 93.7 77.0 115.4

Manual Integrations

APPROVED

MMDadoda

9/10/2019 4:30:18 PM



#6

Chloroethane

Concen: 145.594 ug/l m

RT: 2.66 min Scan# 275

Delta R.T. -0.02 min

Lab File: VN057804.D

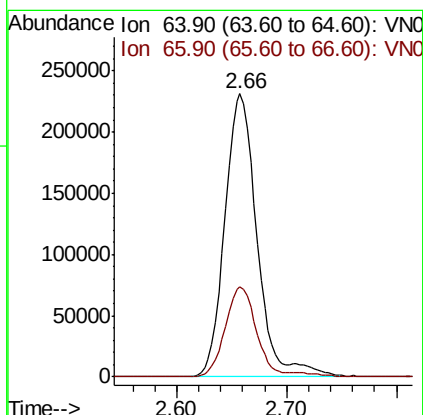
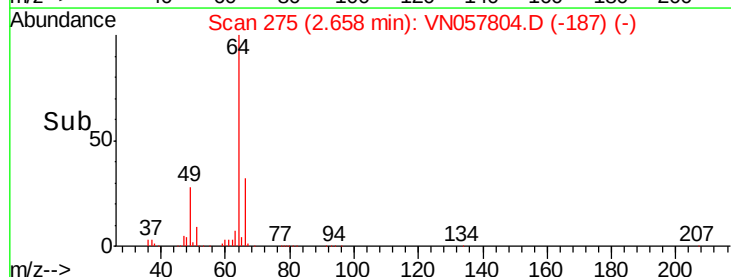
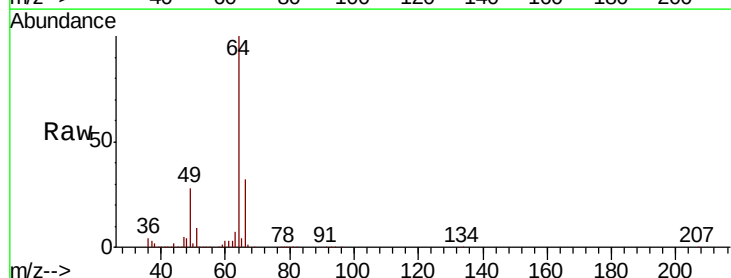
Acq: 9 Sep 2019 16:32

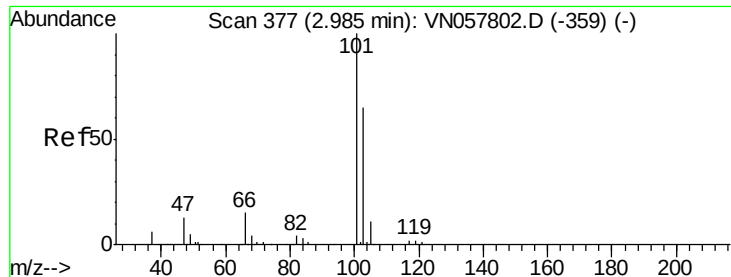
Tgt Ion: 64 Resp: 470617

Ion Ratio Lower Upper

64 100

66 31.9 25.5 38.3





#7

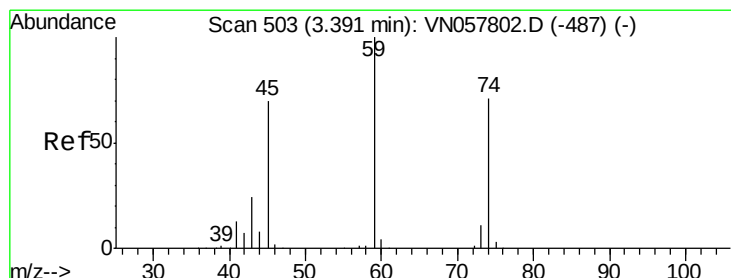
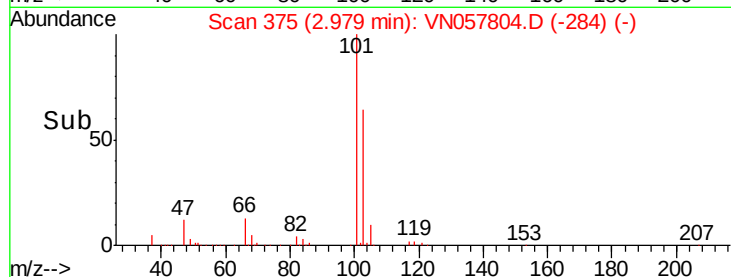
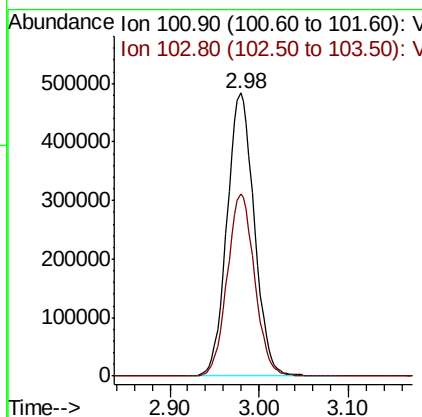
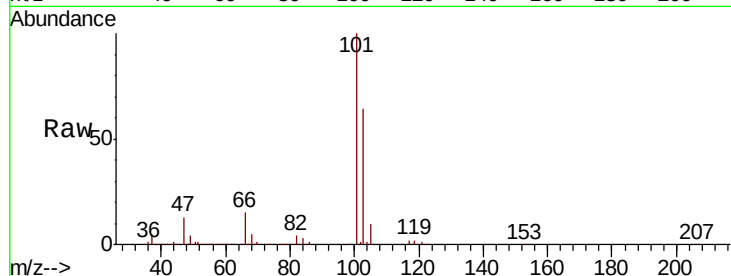
Trichlorofluoromethane
 Concen: 122.474 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.01 min
 Lab File: VN057804.D
 Acq: 9 Sep 2019 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:101 Resp: 1024856
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.9 77.9

Manual Integrations
 APPROVED

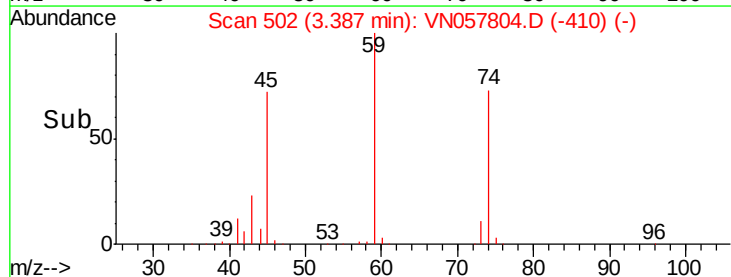
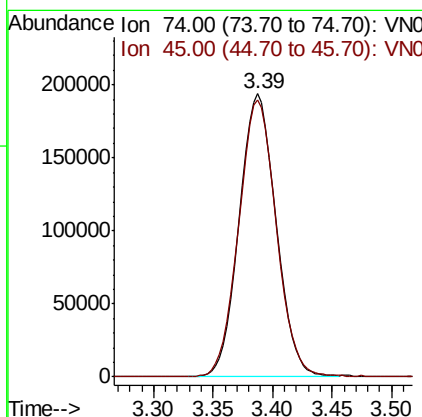
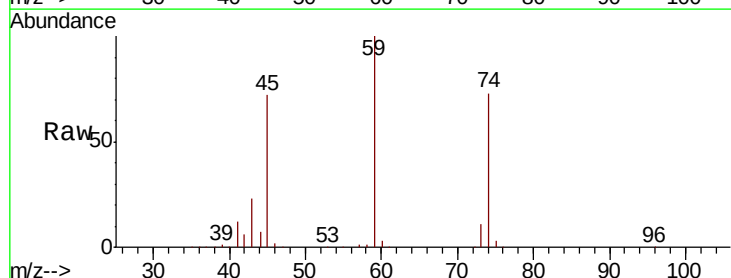
MMDadoda
 9/10/2019 4:30:18 PM

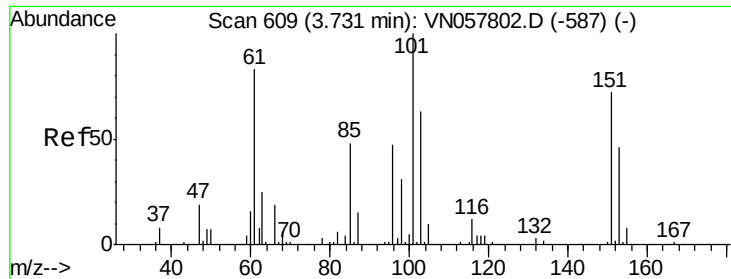


#8

Diethyl Ether
 Concen: 124.967 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN057804.D
 Acq: 9 Sep 2019 16:32

Tgt Ion: 74 Resp: 416761
 Ion Ratio Lower Upper
 74 100
 45 99.4 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 121.222 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Instrument :

MSVOA_N

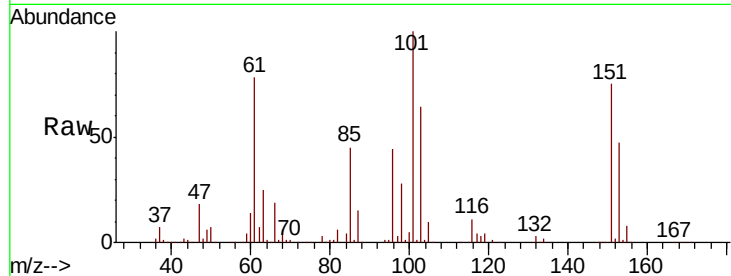
ClientSampled :

VSTDIC150

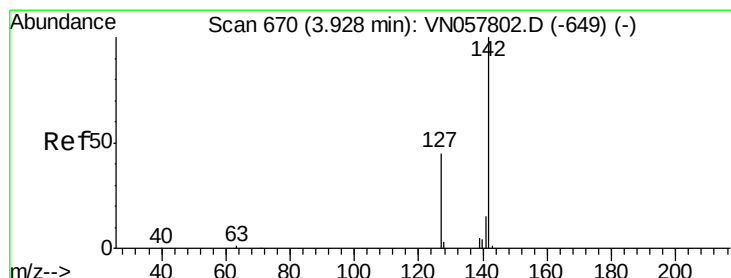
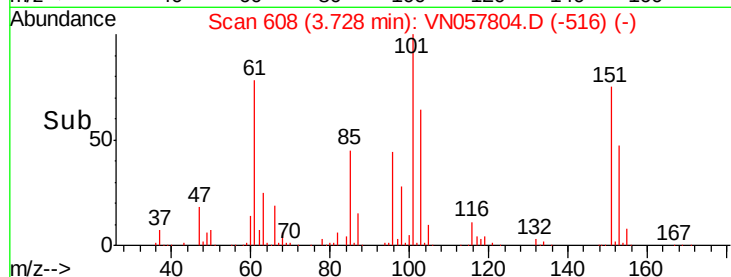
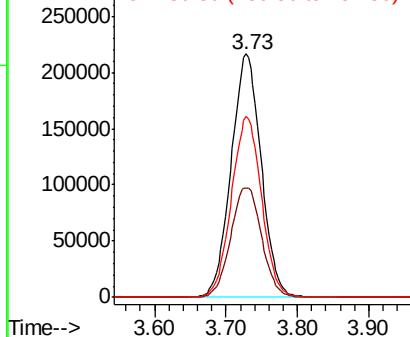
Tot Ion:	101	Resp:	635932
Ion Ratio	Lower	Upper	
101	100		
85	46.5	38.1	57.1
151	74.4	58.4	87.6

Manual Integrations
APPROVED

MMDadoda
9/10/2019 4:30:18 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 150.249 ug/l

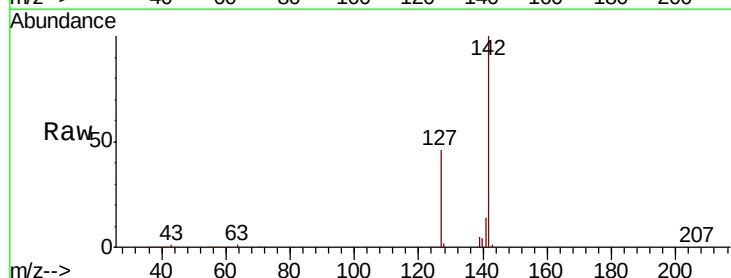
RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

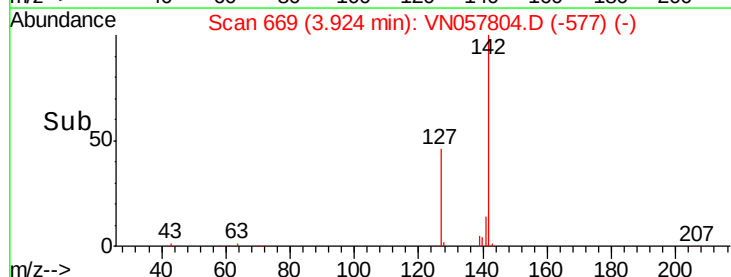
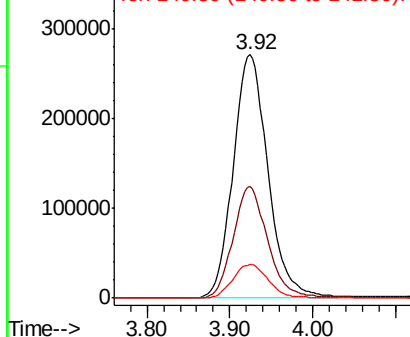
Lab File: VN057804.D

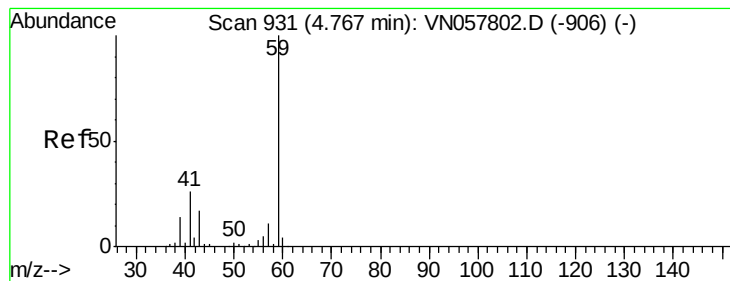
Acq: 9 Sep 2019 16:32

Tgt Ion:	142	Resp:	792670
Ion Ratio	Lower	Upper	
142	100		
127	45.5	36.7	55.1
141	14.1	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

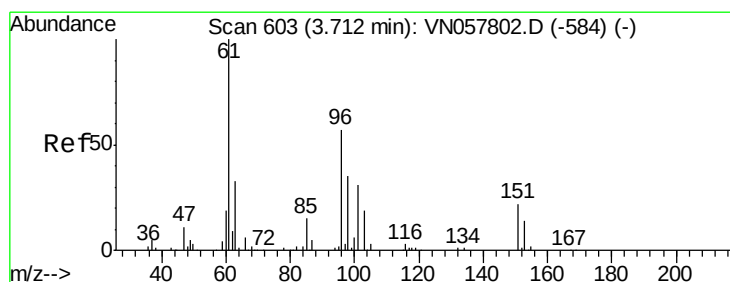
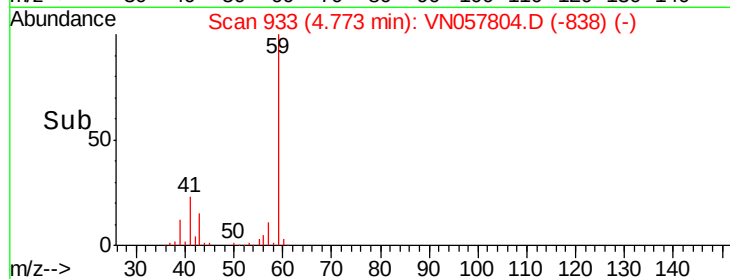
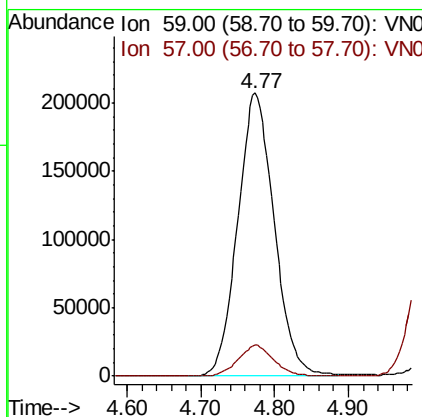
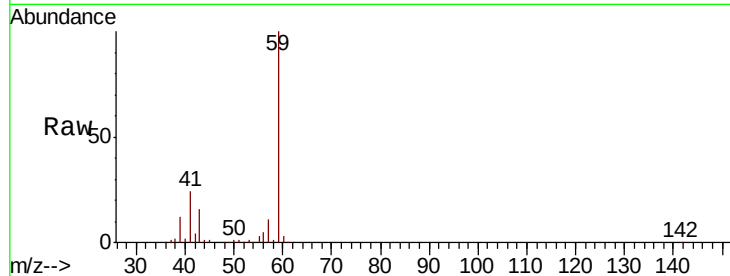
Tert butyl alcohol
 Concen: 664.529 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. 0.01 min
 Lab File: VN057804.D
 Acq: 9 Sep 2019 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.4	12.6

Manual Integrations
 APPROVED

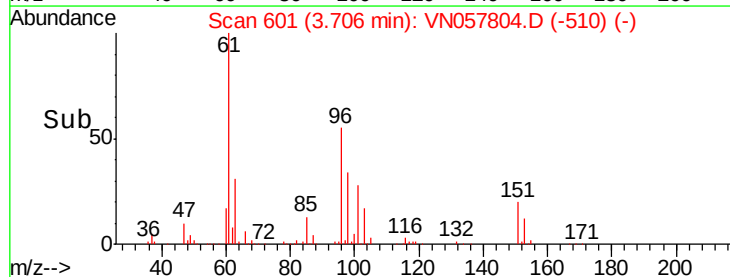
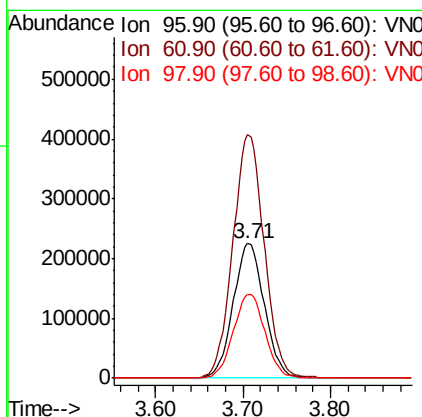
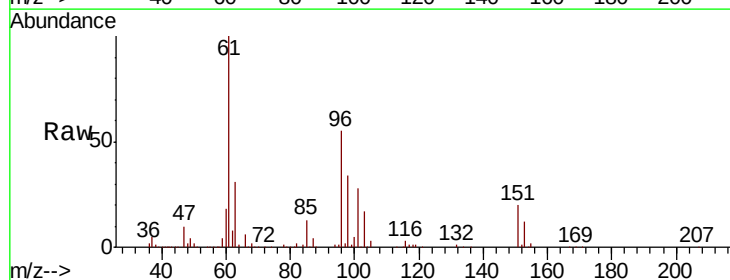
MMDadoda
 9/10/2019 4:30:18 PM

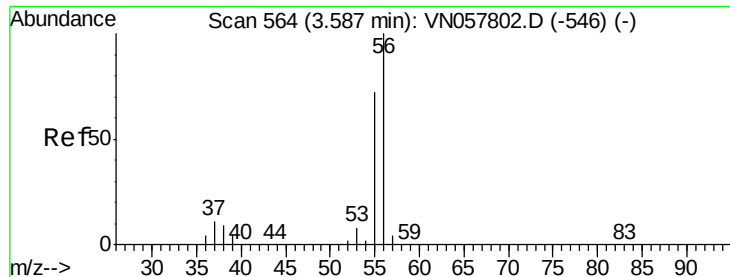


#12

1,1-Dichloroethene
 Concen: 118.952 ug/l
 RT: 3.71 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: VN057804.D
 Acq: 9 Sep 2019 16:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.7	141.2	211.8
98	62.1	49.9	74.9





#13

Acrolein

Concen: 1036.451 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 599438

Ion Ratio Lower Upper

56 100

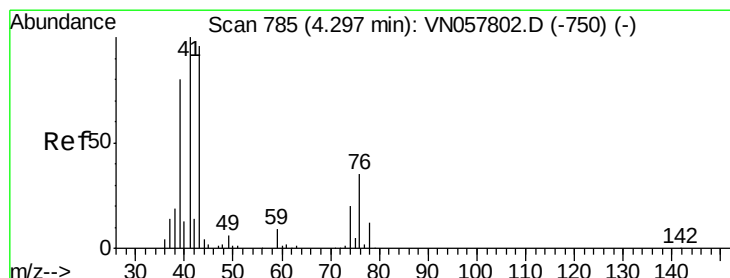
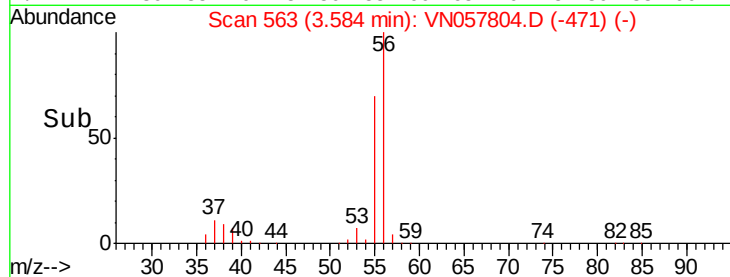
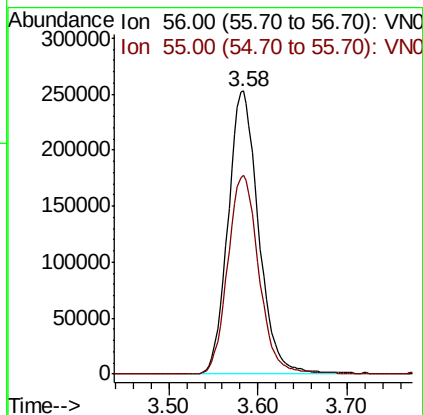
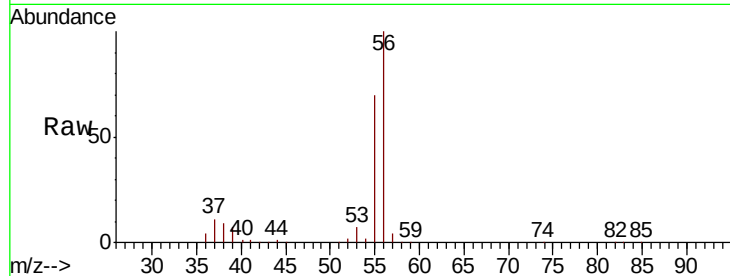
55 71.5 57.3 85.9

Manual Integrations

APPROVED

MMDadoda

9/10/2019 4:30:18 PM



#14

Allyl chloride

Concen: 108.887 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

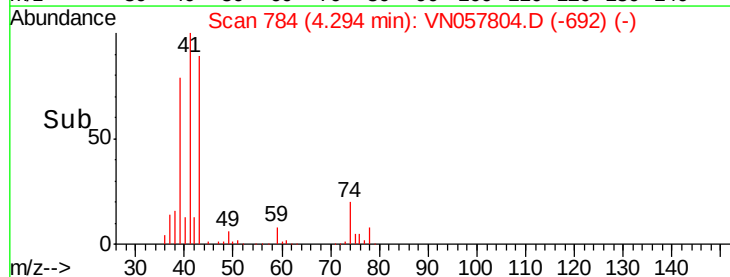
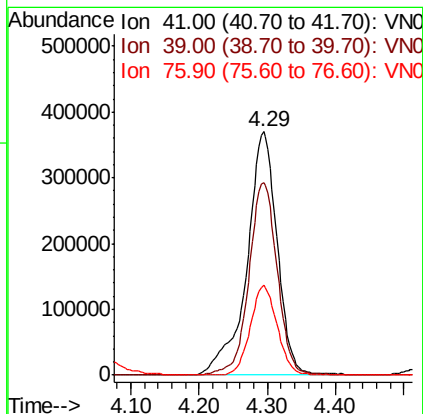
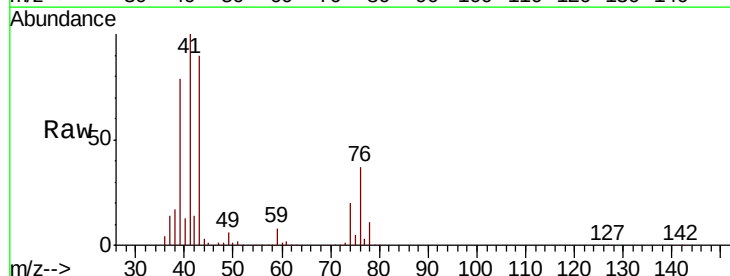
Tgt Ion: 41 Resp: 1141801

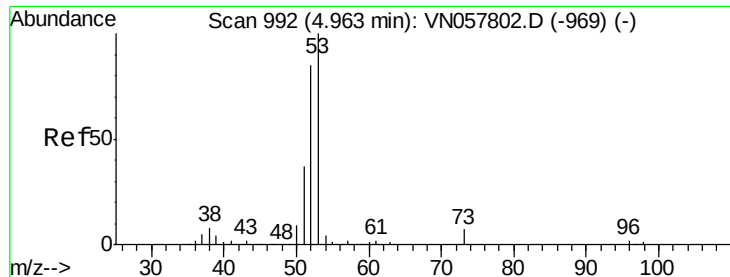
Ion Ratio Lower Upper

41 100

39 73.8 59.4 89.2

76 32.4 26.0 39.0





#15

Acrylonitrile

Concen: 697.714 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1912195

Ion Ratio Lower Upper

53 100

52 83.1 66.6 100.0

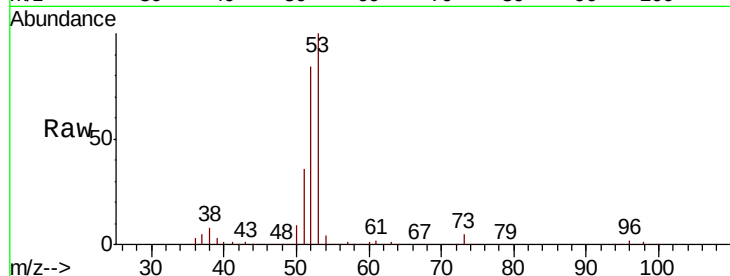
51 37.0 29.8 44.8

Manual Integrations

APPROVED

MMDadoda

9/10/2019 4:30:18 PM

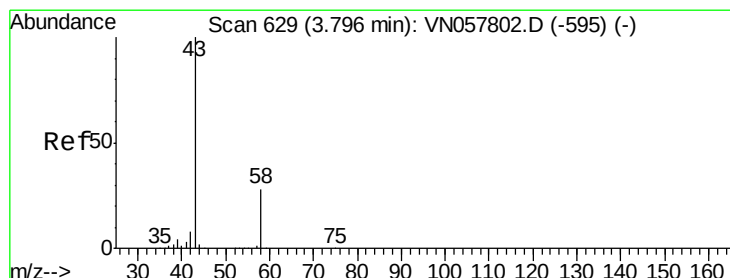
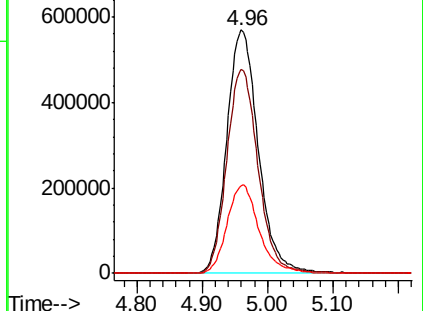
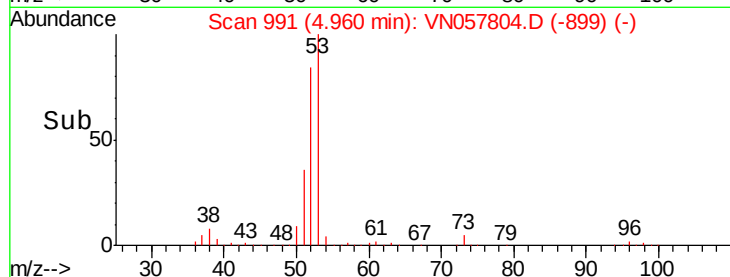


Abundance Ion 53.00 (52.70 to 53.70): VN057802.D (-969) (-)

Ion 52.00 (51.70 to 52.70): VN057802.D (-969) (-)

Ion 51.00 (50.70 to 51.70): VN057802.D (-969) (-)

Time-->



#16

Acetone

Concen: 610.266 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN057804.D

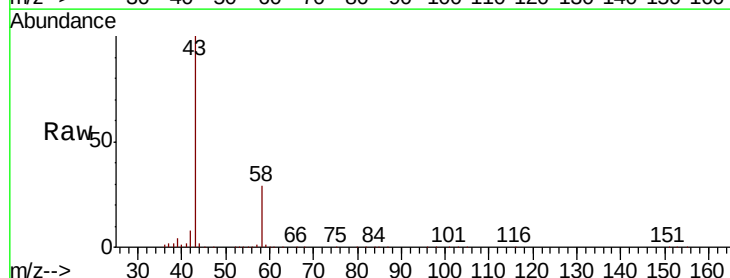
Acq: 9 Sep 2019 16:32

Tgt Ion: 43 Resp: 1763112

Ion Ratio Lower Upper

43 100

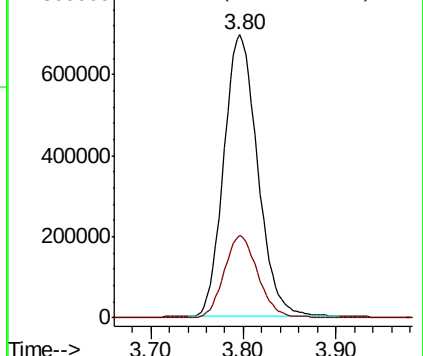
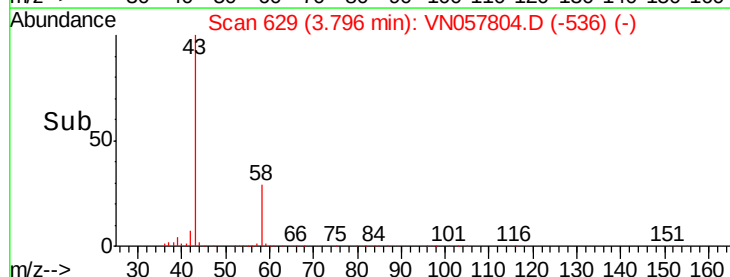
58 29.1 22.2 33.2

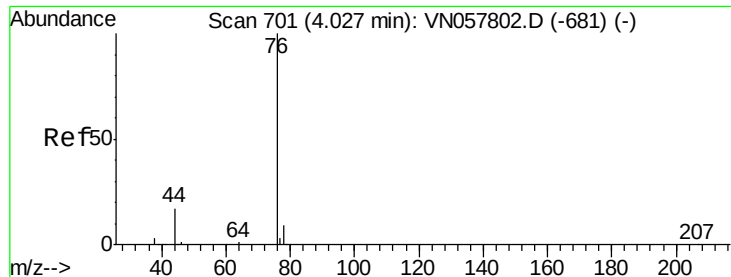


Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-595) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-595) (-)

Time-->





#17

Carbon Disulfide

Concen: 97.767 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 994027

Ion Ratio Lower Upper

76 100

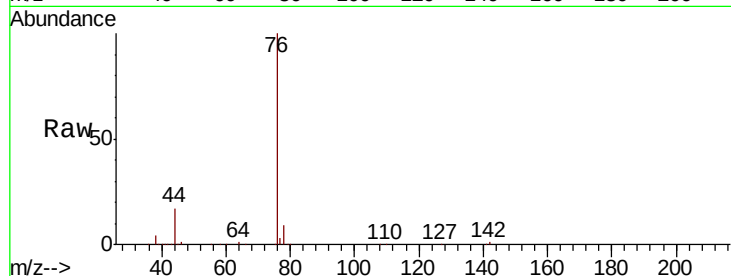
78 9.0 7.1 10.7

Manual Integrations

APPROVED

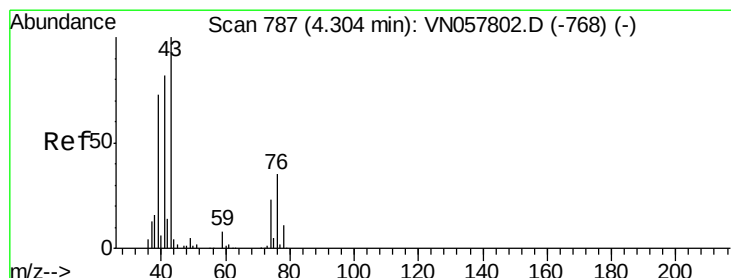
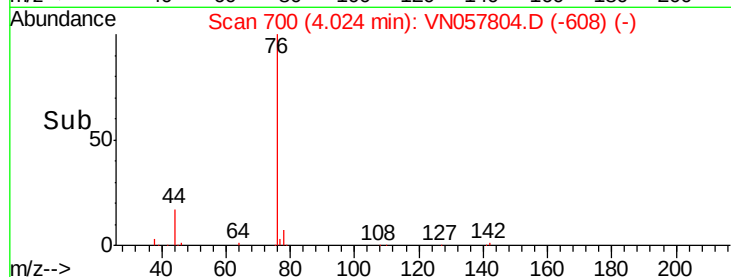
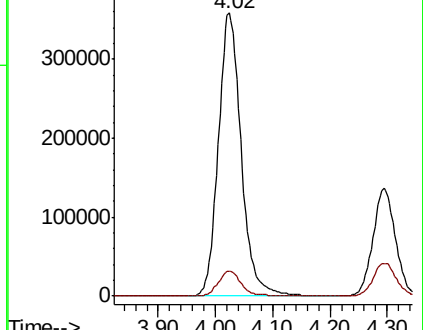
MMDadoda

9/10/2019 4:30:18 PM



Abundance Ion 75.90 (75.60 to 76.60): VN057802.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN057802.D (-681) (-)



#18

Methyl Acetate

Concen: 125.694 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN057804.D

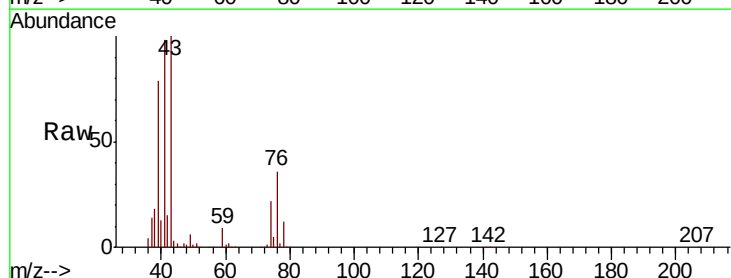
Acq: 9 Sep 2019 16:32

Tgt Ion: 43 Resp: 983181

Ion Ratio Lower Upper

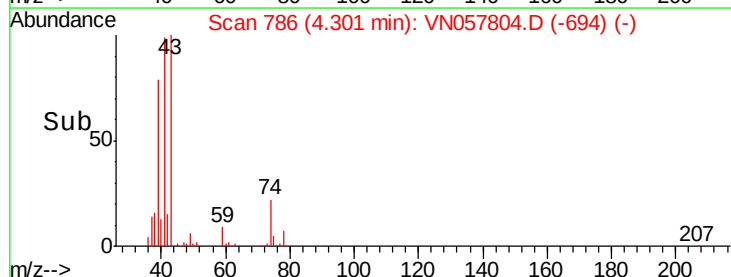
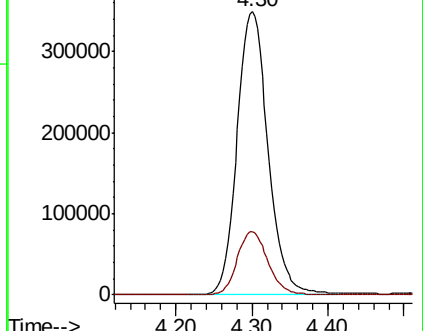
43 100

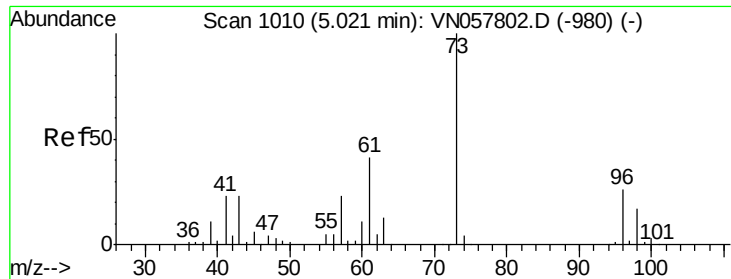
74 22.2 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-768) (-)

Ion 74.00 (73.70 to 74.70): VN057802.D (-768) (-)





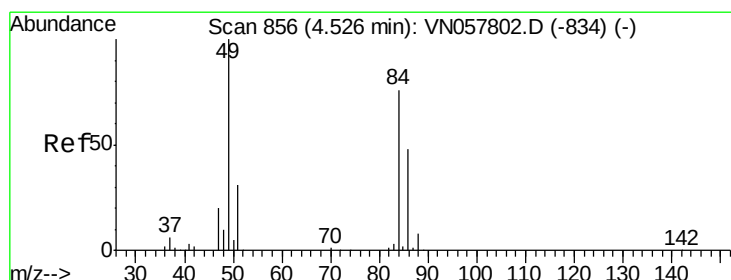
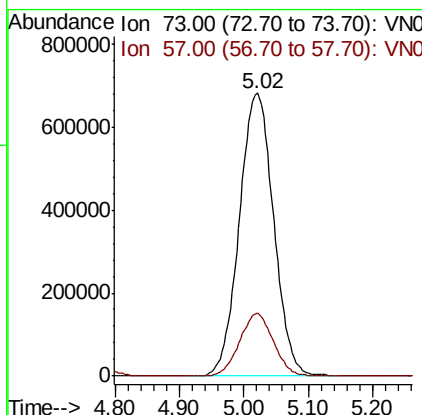
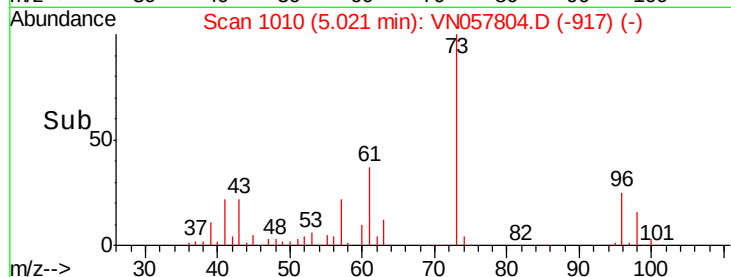
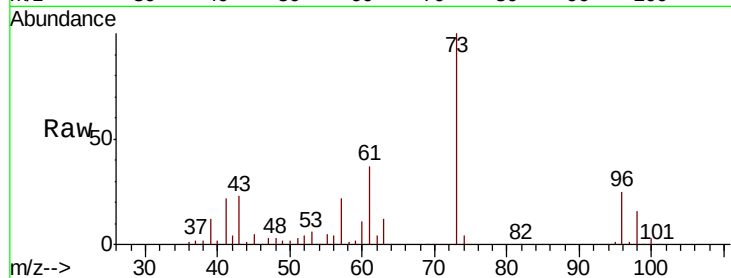
#19
Methvl tert-butvl Ether
Concen: 127.330 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057804.D
Acq: 9 Sep 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 2527161
Ion Ratio Lower Upper
73 100
57 22.3 18.2 27.2

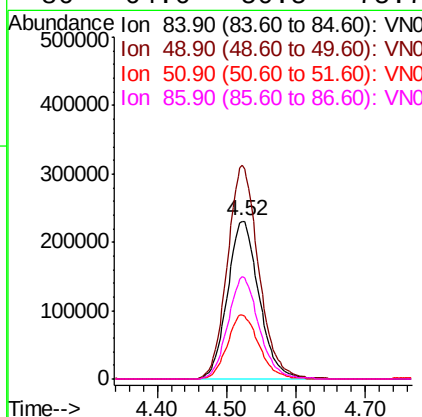
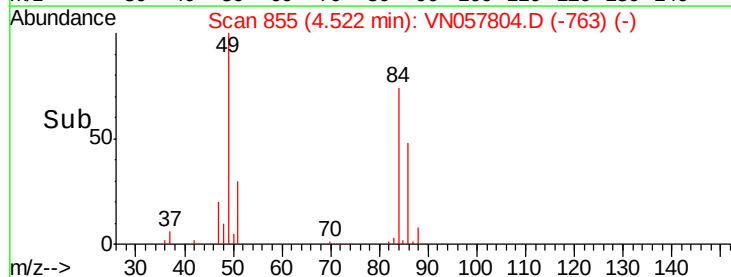
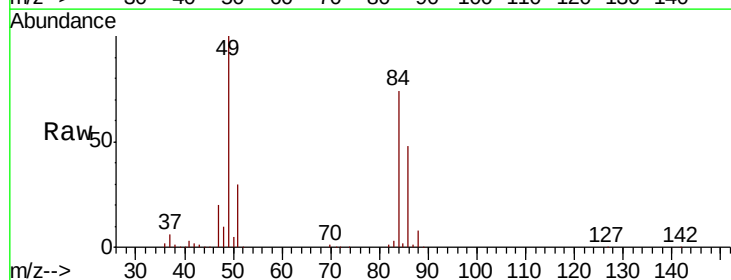
Manual Integrations
APPROVED

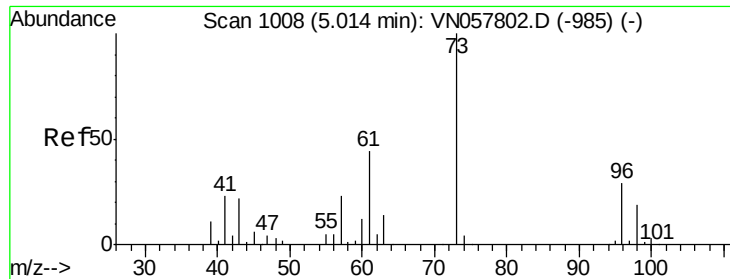
MMDadoda
9/10/2019 4:30:18 PM



#20
Methylene Chloride
Concen: 119.350 ug/l
RT: 4.52 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN057804.D
Acq: 9 Sep 2019 16:32

Tgt Ion: 84 Resp: 735985
Ion Ratio Lower Upper
84 100
49 135.4 104.8 157.2
51 41.0 33.0 49.4
86 64.6 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 121.107 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 598344

Ion Ratio Lower Upper

96 100

61 150.1 121.9 182.9

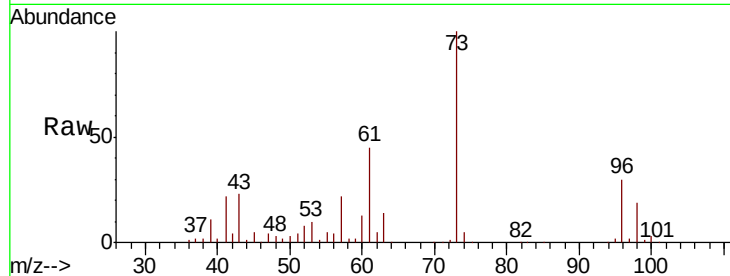
98 62.6 52.2 78.4

Manual Integrations

APPROVED

MMDadoda

9/10/2019 4:30:18 PM

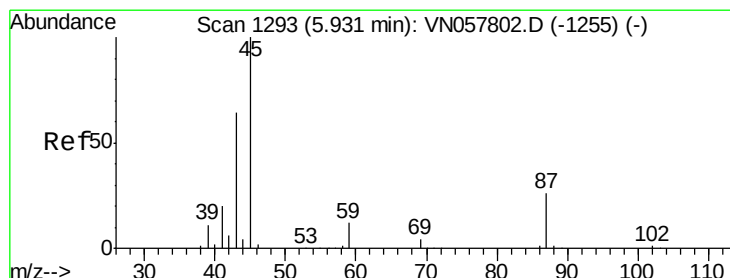
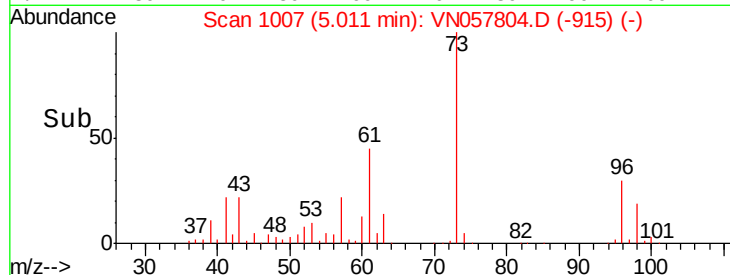
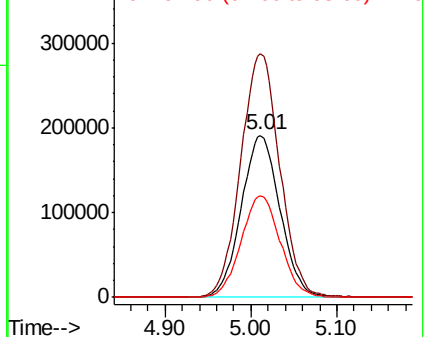


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 127.074 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Tgt Ion: 45 Resp: 2893487

Ion Ratio Lower Upper

45 100

43 61.1 51.4 77.2

87 27.3 21.3 31.9

59 11.3 9.3 13.9

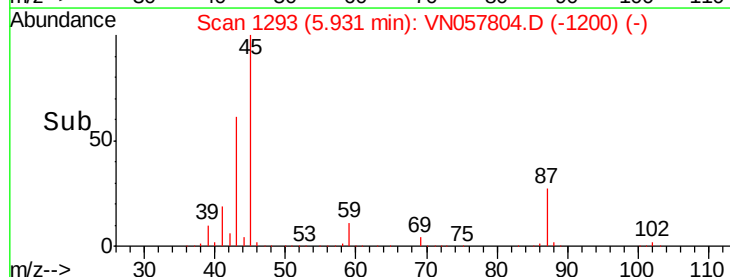
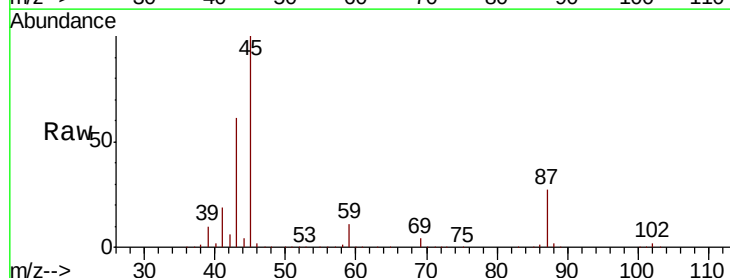
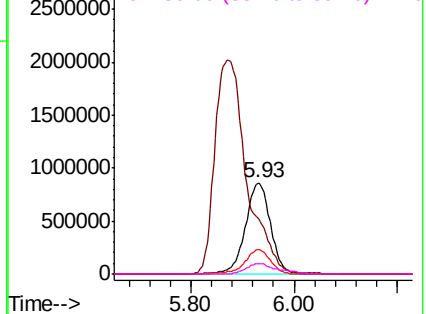
Abundance

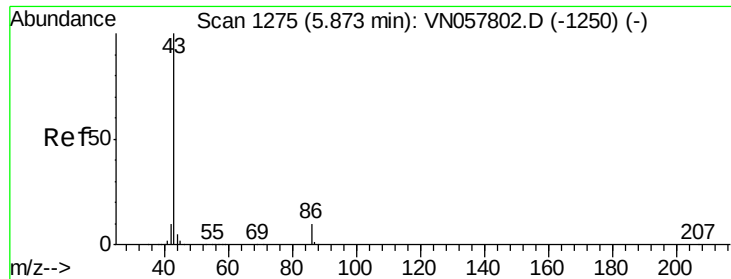
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





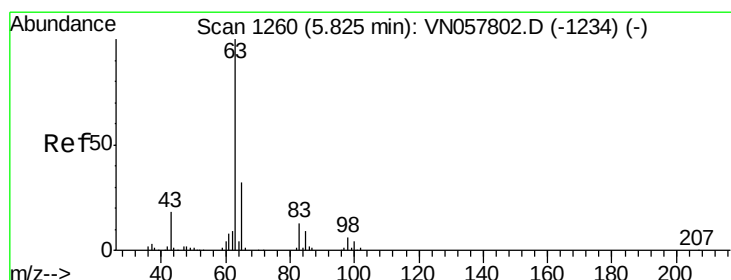
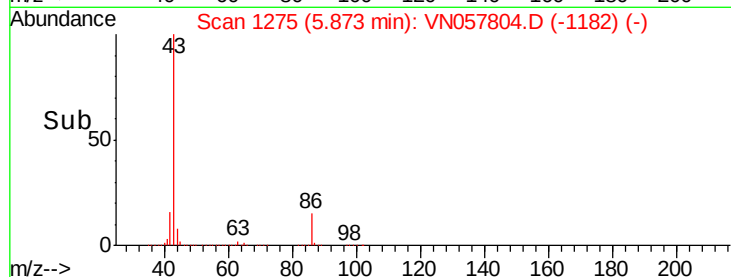
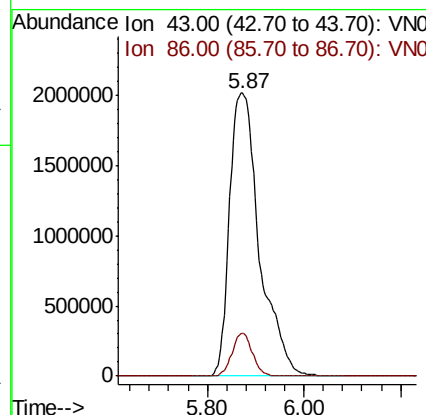
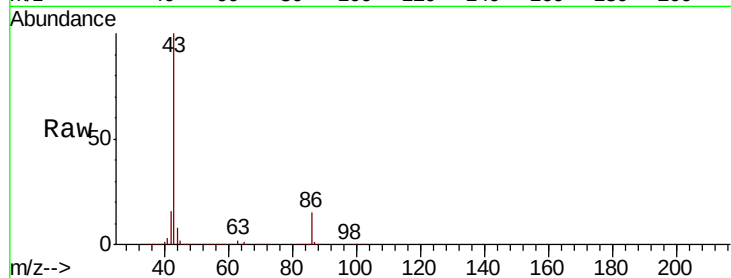
#23
 Vinyl Acetate
 Concen: 481.662 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN057804.D
 Acq: 9 Sep 2019 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 8678970
 Ion Ratio Lower Upper
 43 100
 86 15.2 7.7 11.5#

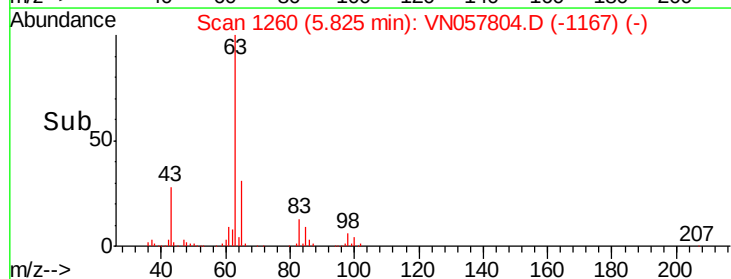
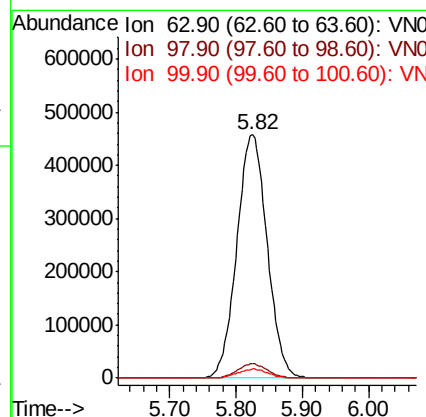
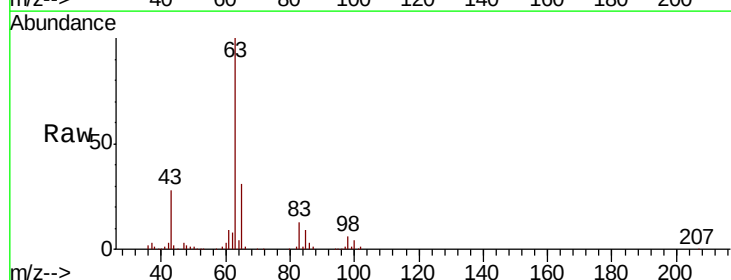
Manual Integrations
 APPROVED

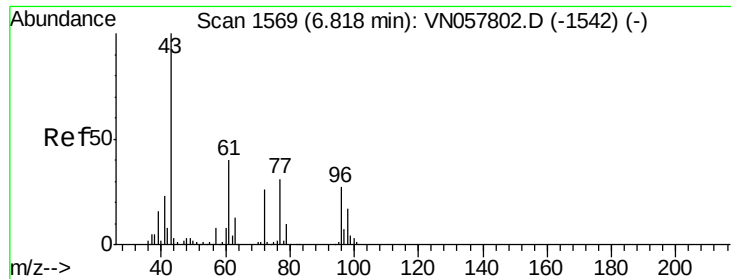
MMDadoda
 9/10/2019 4:30:18 PM



#24
 1,1-Dichloroethane
 Concen: 124.007 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN057804.D
 Acq: 9 Sep 2019 16:32

Tgt Ion: 63 Resp: 1454145
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.0 9.2
 100 3.6 2.0 5.8





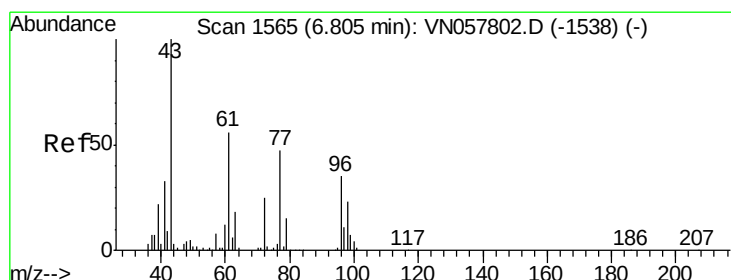
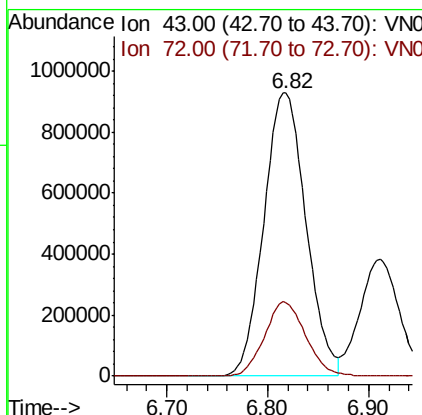
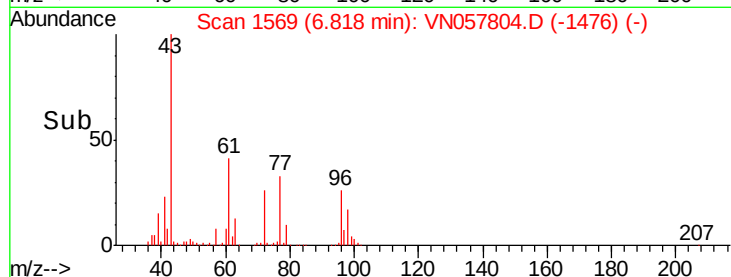
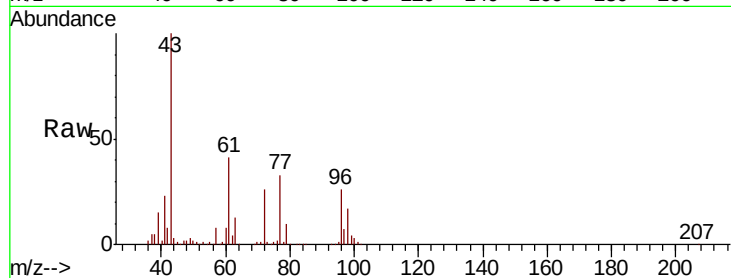
#25
2-Butanone
Concen: 653.644 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN057804.D
Acq: 9 Sep 2019 16:32

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 43 Resp: 2696057
Ion Ratio Lower Upper
43 100
72 26.1 20.6 30.8

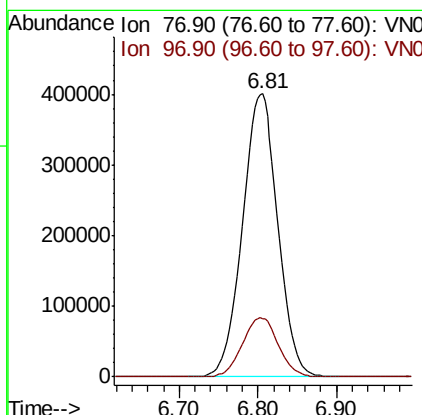
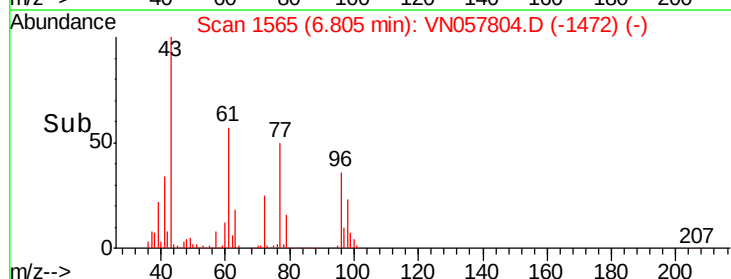
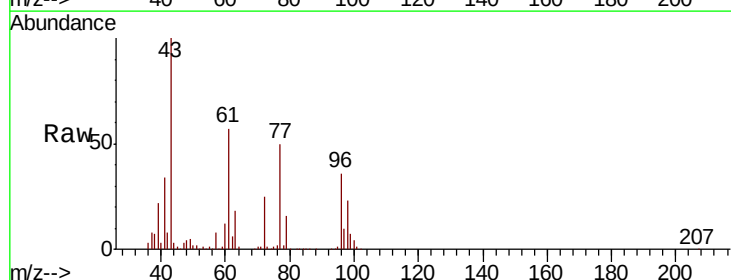
Manual Integrations
APPROVED

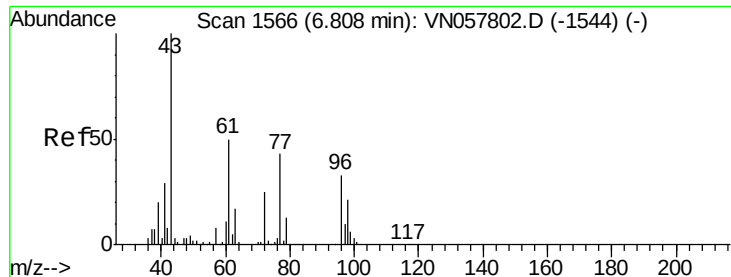
MMDadoda
9/10/2019 4:30:18 PM



#26
2,2-Dichloropropane
Concen: 130.662 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN057804.D
Acq: 9 Sep 2019 16:32

Tgt Ion: 77 Resp: 1264749
Ion Ratio Lower Upper
77 100
97 21.3 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 132.841 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Instrument :

MSVOA_N

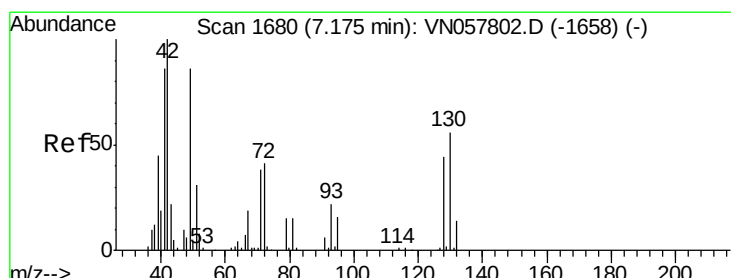
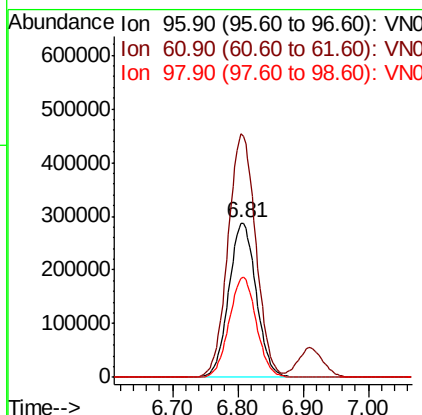
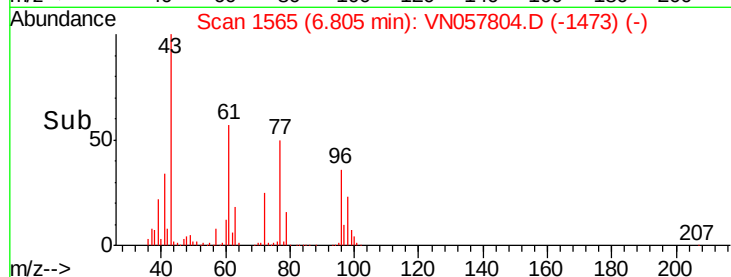
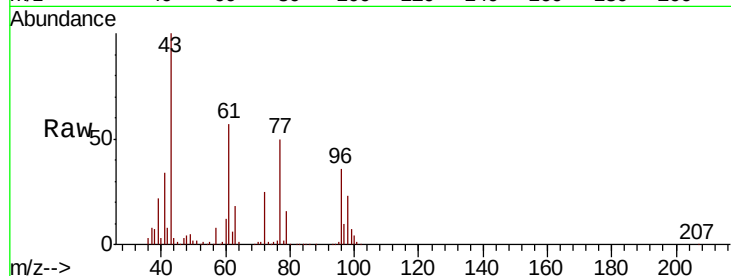
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	838593
Ion Ratio	Lower	Upper	
96	100		
61	159.5	0.0	314.0
98	64.1	0.0	128.6

Manual Integrations
APPROVED

MMDadoda
9/10/2019 4:30:18 PM



#28

Bromochloromethane

Concen: 119.891 ug/l

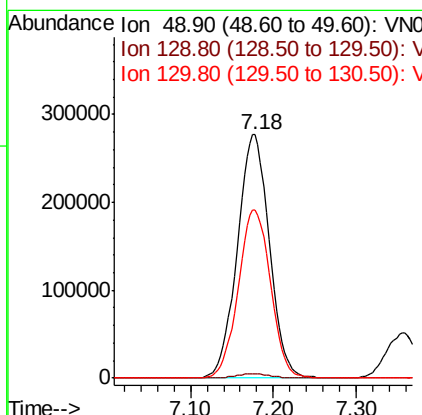
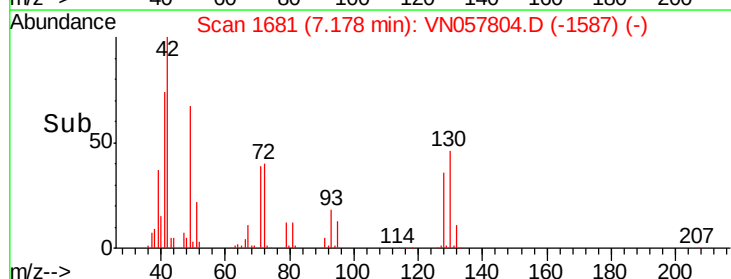
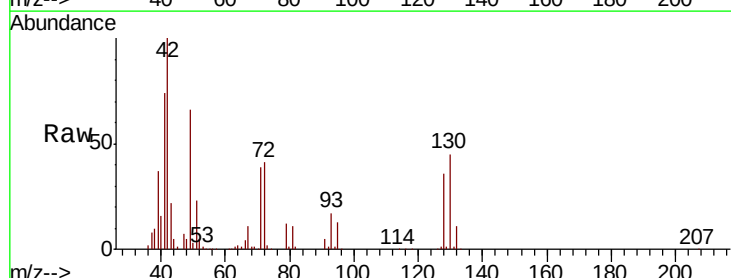
RT: 7.18 min Scan# 1681

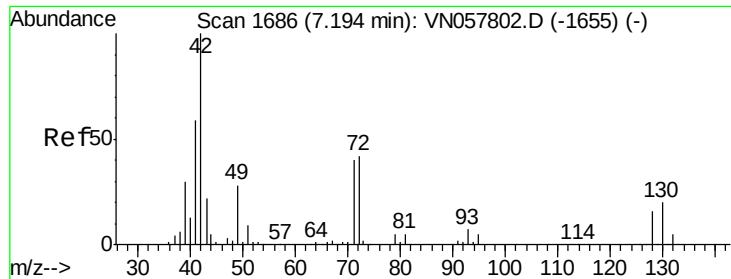
Delta R.T. 0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Tgt Ion:	49	Resp:	743774
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	3.8
130	69.7	53.0	79.6





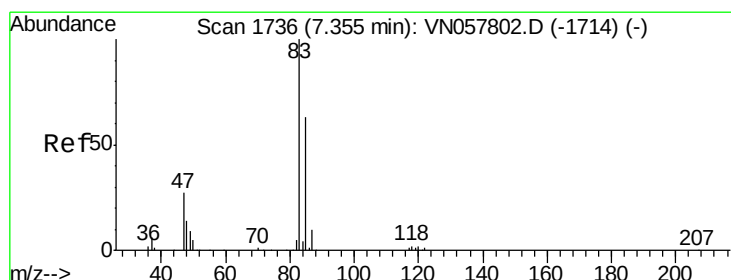
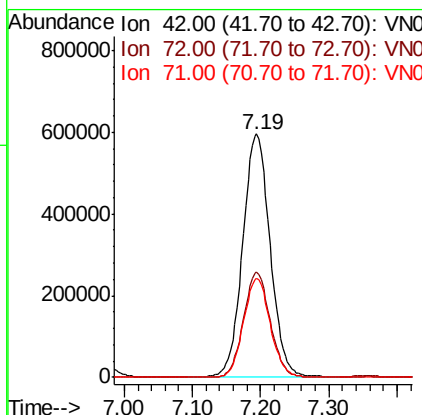
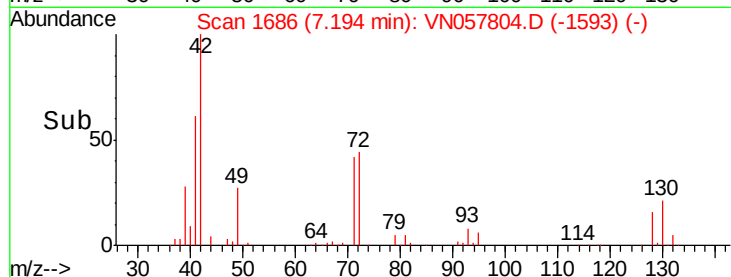
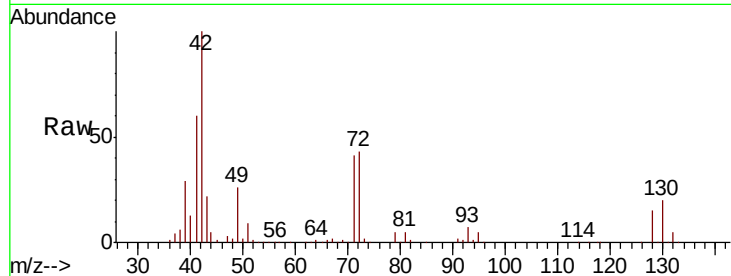
#29
Tetrahydrofuran
Concen: 629.761 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN057804.D
Acq: 9 Sep 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1662336
Ion Ratio Lower Upper
42 100
72 42.1 33.7 50.5
71 39.7 31.9 47.9

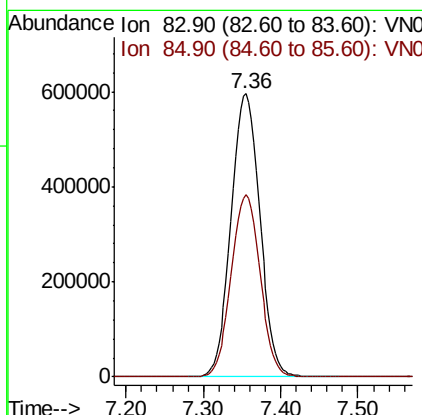
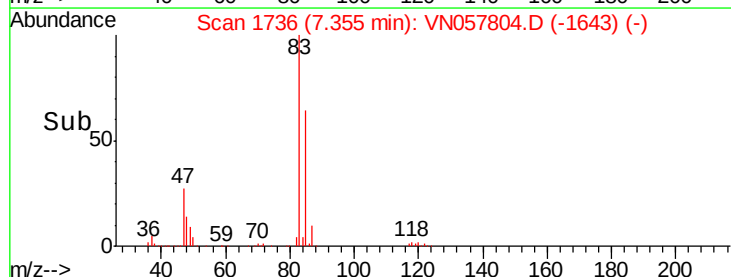
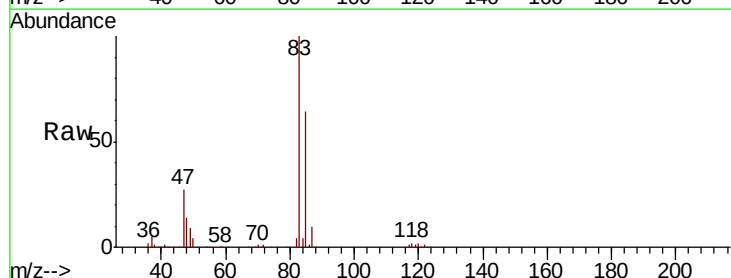
Manual Integrations
APPROVED

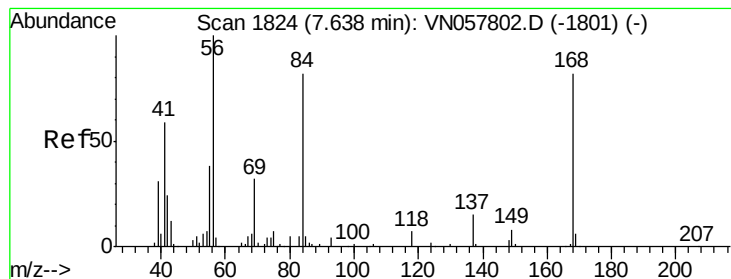
MMDadoda
9/10/2019 4:30:18 PM



#30
Chloroform
Concen: 126.050 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057804.D
Acq: 9 Sep 2019 16:32

Tgt Ion: 83 Resp: 1542289
Ion Ratio Lower Upper
83 100
85 64.3 50.6 75.8





#31

Cyclohexane

Concen: 103.275 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 1046744

Ion Ratio Lower Upper

56 100

69 30.8 25.9 38.9

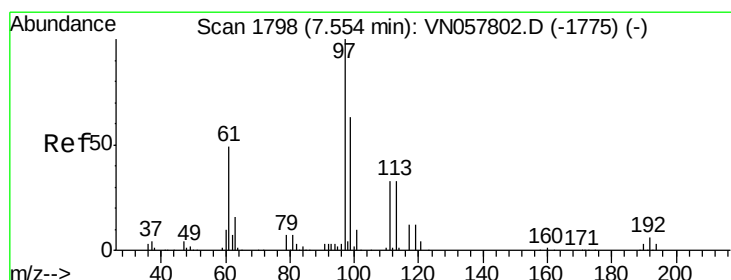
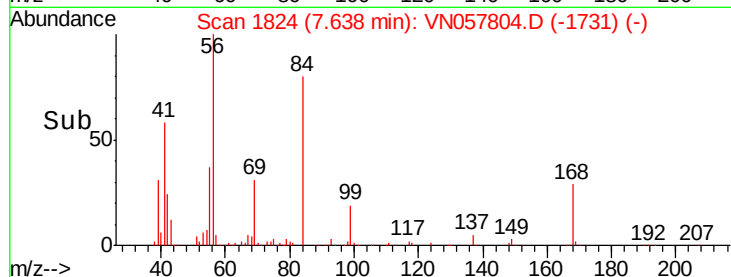
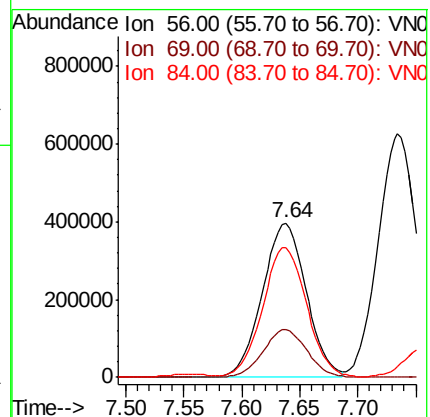
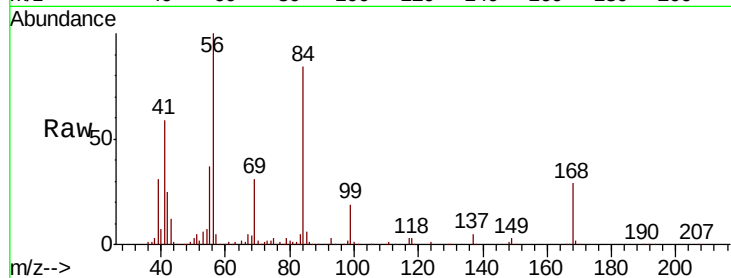
84 82.1 65.6 98.4

Manual Integrations

APPROVED

MMDadoda

9/10/2019 4:30:18 PM



#32

1,1,1-Trichloroethane

Concen: 126.771 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

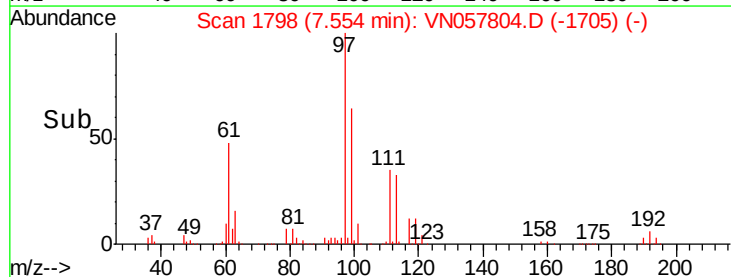
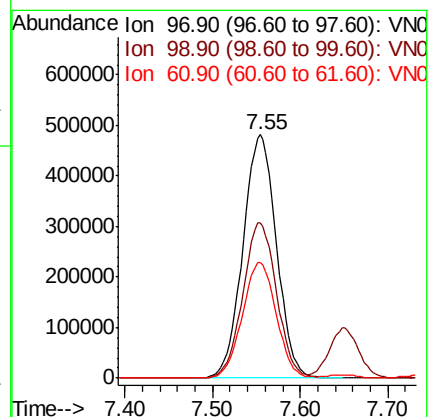
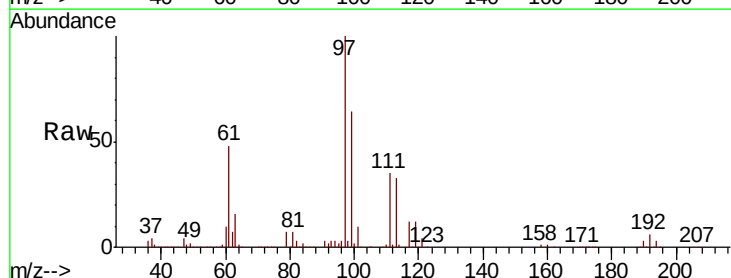
Tgt Ion: 97 Resp: 1279244

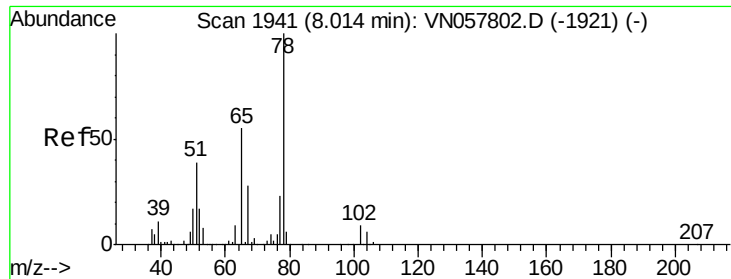
Ion Ratio Lower Upper

97 100

99 64.1 51.0 76.4

61 48.1 39.0 58.6





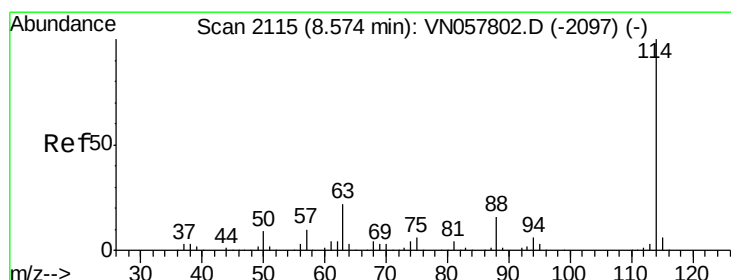
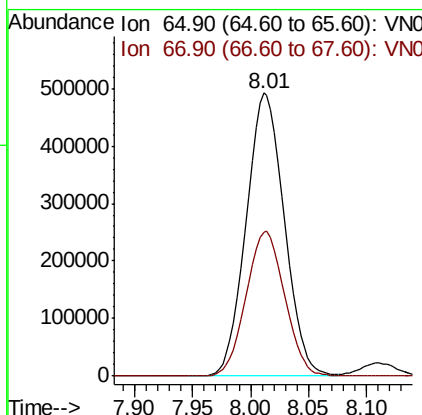
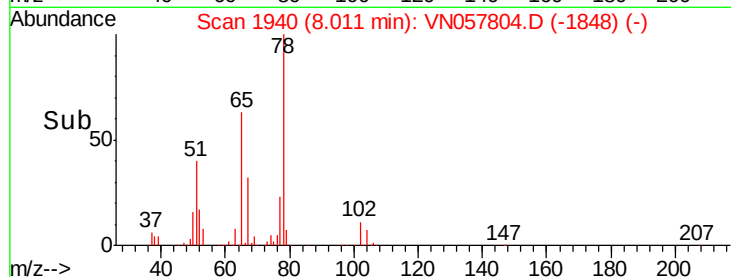
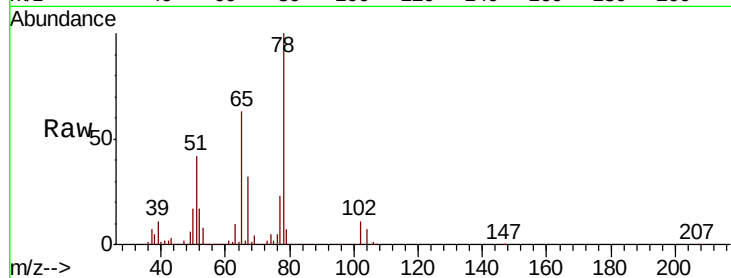
#33
 1,2-Dichloroethane-d4
 Concen: 123.356 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN057804.D
 Acq: 9 Sep 2019 16:32

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion: 65 Resp: 1129091
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.0

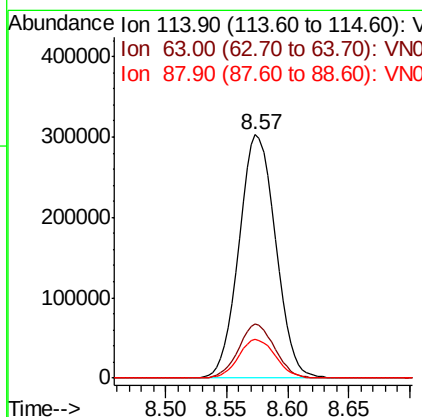
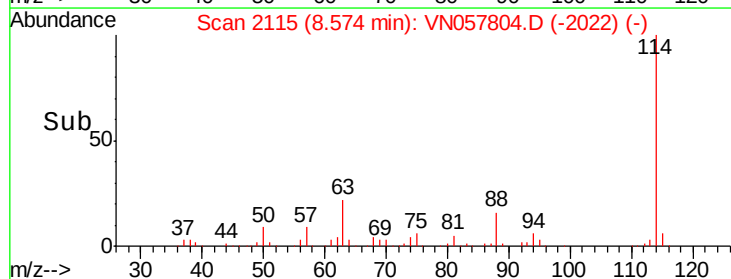
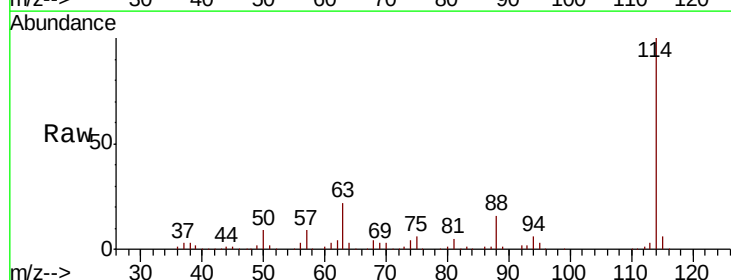
Manual Integrations
 APPROVED

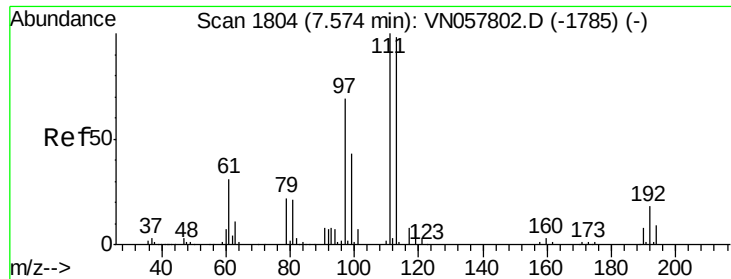
MMDadoda
 9/10/2019 4:30:18 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057804.D
 Acq: 9 Sep 2019 16:32

Tgt Ion: 114 Resp: 629048
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 44.0
 88 15.8 0.0 31.4





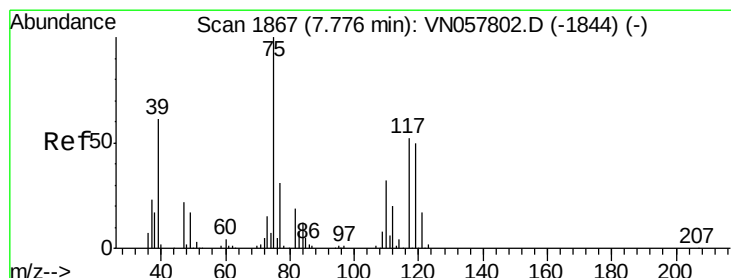
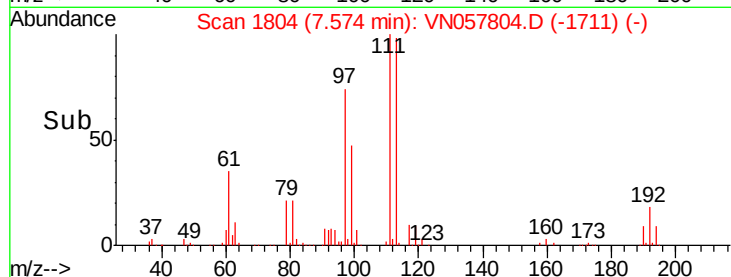
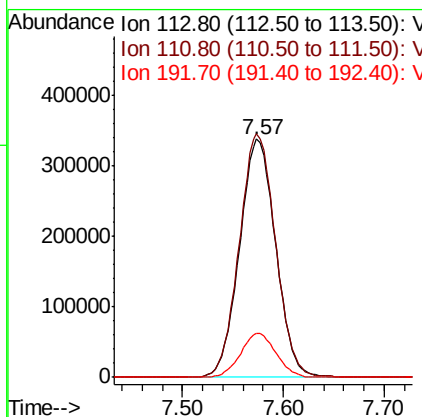
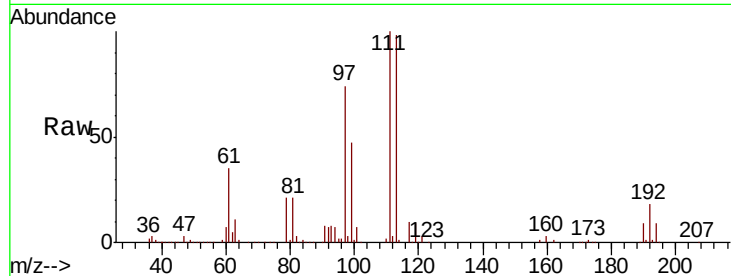
#35
Dibromofluoromethane
Concen: 146.403 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN057804.D
Acq: 9 Sep 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	836998		
111	102.8	81.3	121.9	
192	18.2	14.6	22.0	

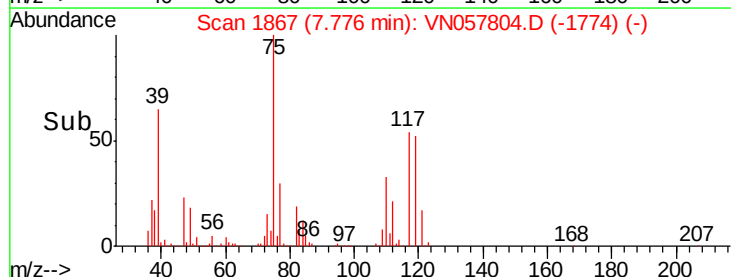
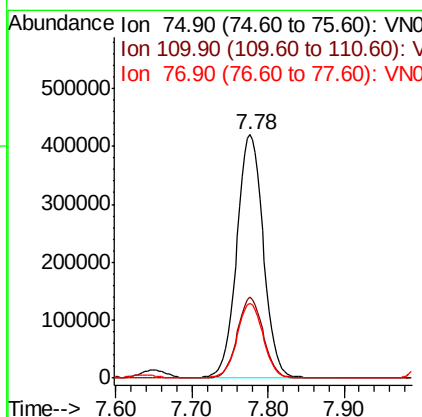
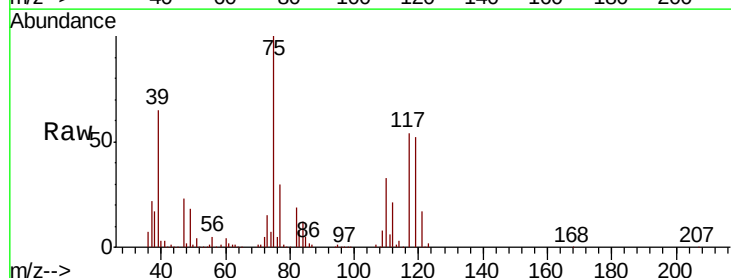
Manual Integrations
APPROVED

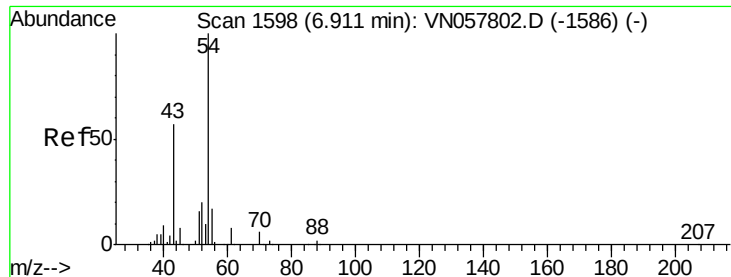
MMDadoda
9/10/2019 4:30:18 PM



#36
1,1-Dichloropropene
Concen: 124.171 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN057804.D
Acq: 9 Sep 2019 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1011060		
110	32.7	16.3	48.9	
77	30.6	25.0	37.4	





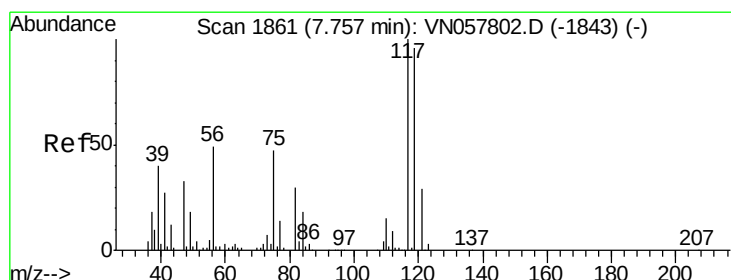
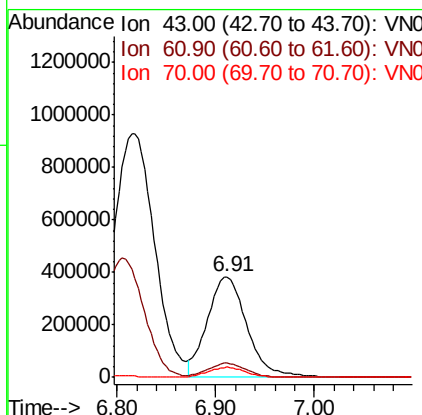
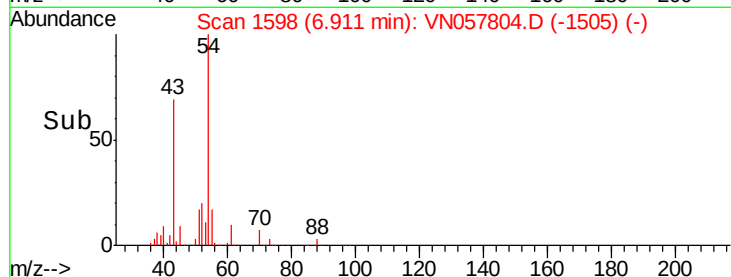
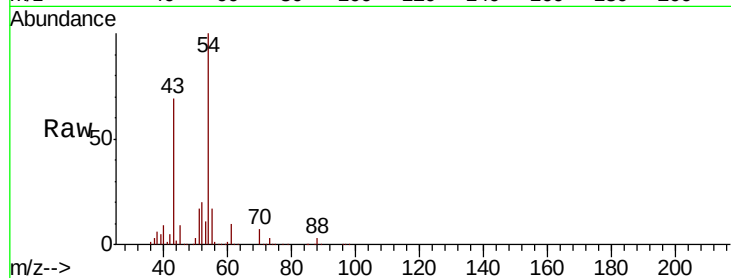
#37
Ethyl Acetate
Concen: 131.510 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057804.D
Acq: 9 Sep 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1062221
Ion Ratio Lower Upper
43 100
61 13.7 10.5 15.7
70 9.8 7.4 11.0

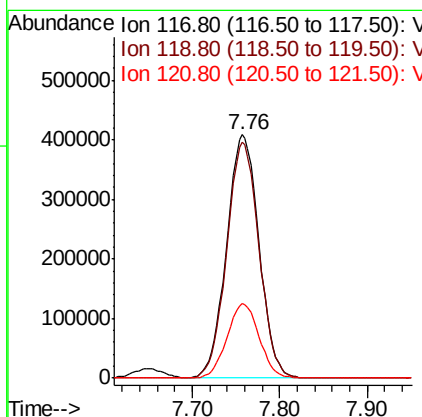
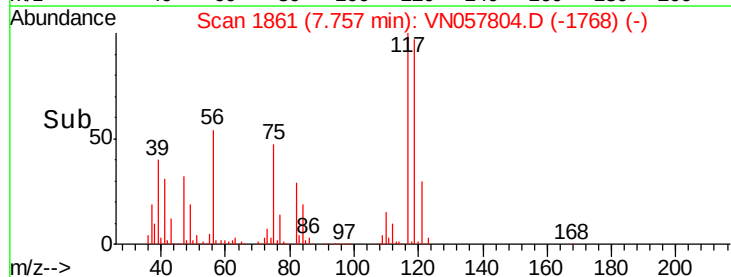
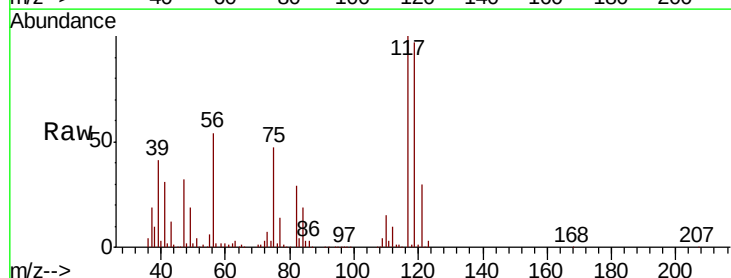
Manual Integrations
APPROVED

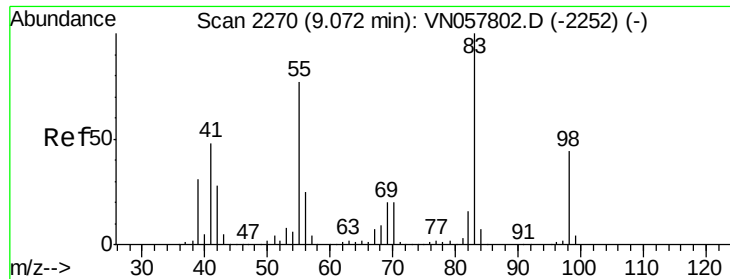
MMDadoda
9/10/2019 4:30:18 PM



#38
Carbon Tetrachloride
Concen: 135.605 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057804.D
Acq: 9 Sep 2019 16:32

Tgt Ion: 117 Resp: 1047991
Ion Ratio Lower Upper
117 100
119 97.0 76.9 115.3
121 30.5 23.4 35.2





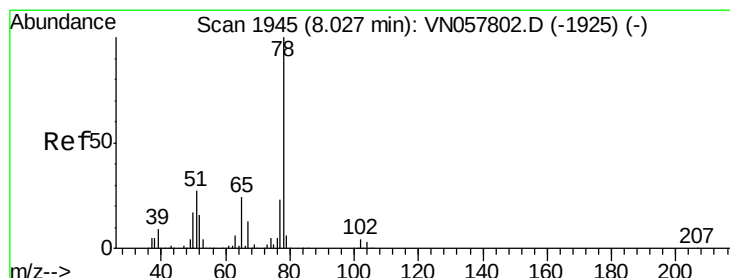
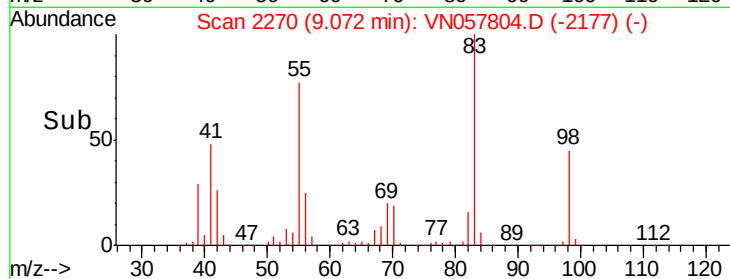
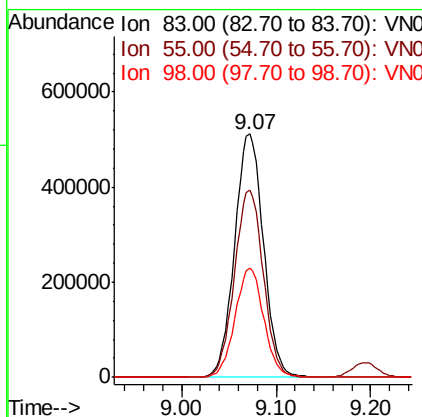
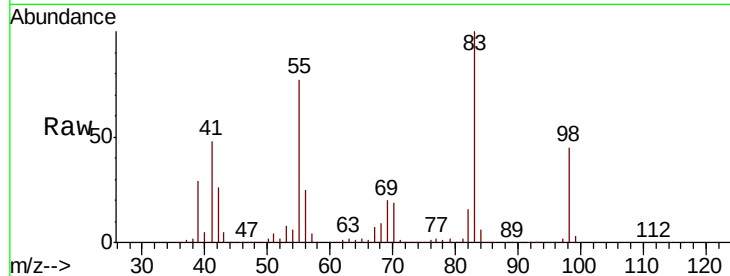
#39
Methylvlcyclohexane
Concen: 126.926 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057804.D
Acq: 9 Sep 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1086187
Ion Ratio Lower Upper
83 100
55 76.6 61.6 92.4
98 45.1 34.9 52.3

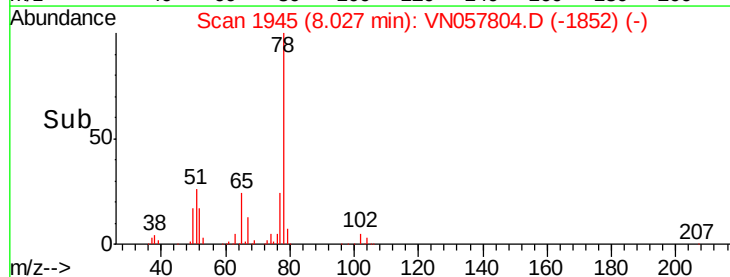
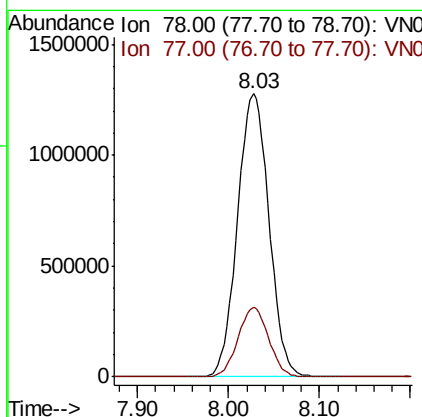
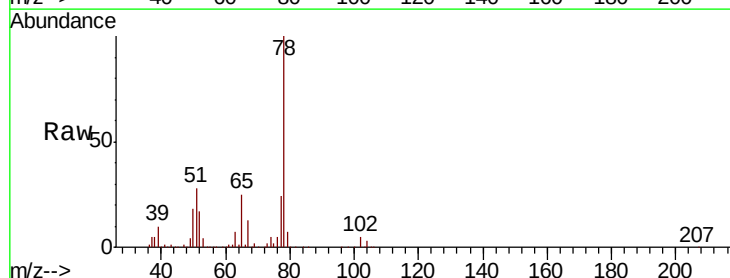
Manual Integrations
APPROVED

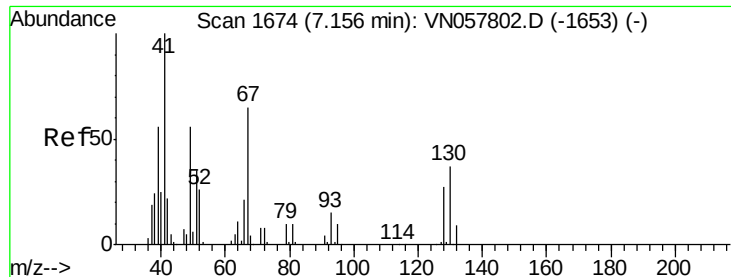
MMDadoda
9/10/2019 4:30:18 PM



#40
Benzene
Concen: 131.859 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057804.D
Acq: 9 Sep 2019 16:32

Tgt Ion: 78 Resp: 3069289
Ion Ratio Lower Upper
78 100
77 24.4 18.3 27.5





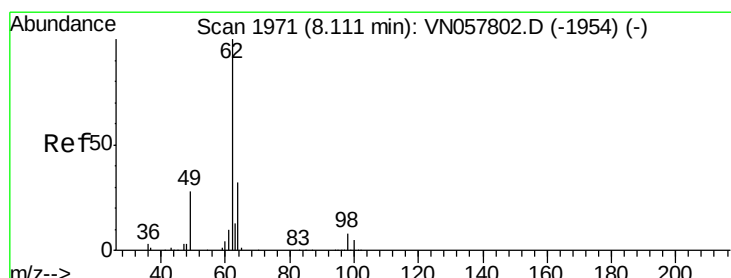
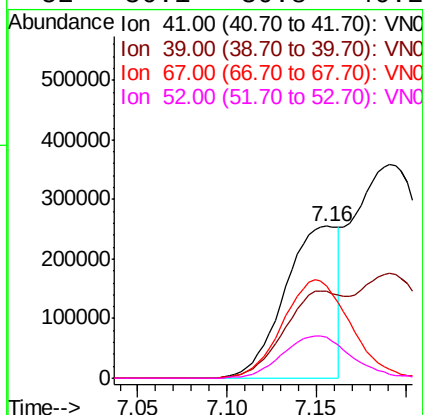
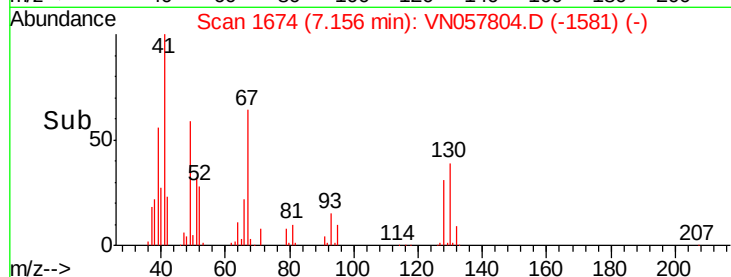
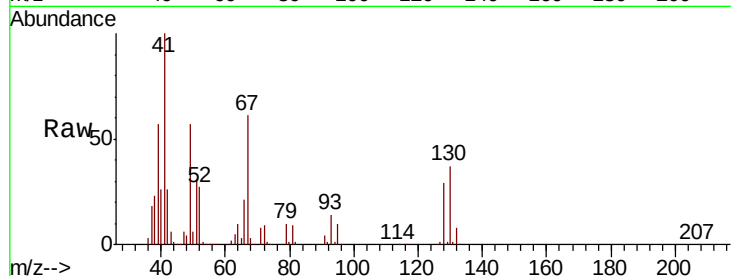
#41
Methacrylonitrile
Concen: 133.337 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057804.D
Acq: 9 Sep 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	41	Resp	527533
Ion	Ratio	Lower	Upper
41	100		
39	66.8	51.0	76.6
67	83.3	70.7	106.1
52	36.1	30.8	46.2

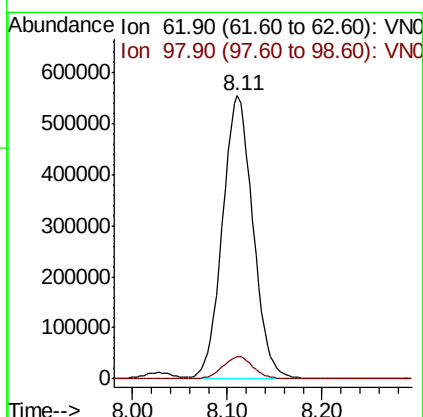
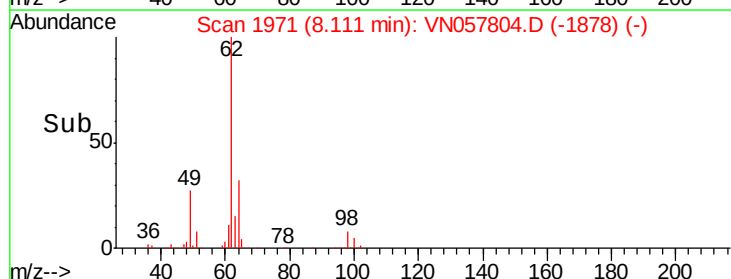
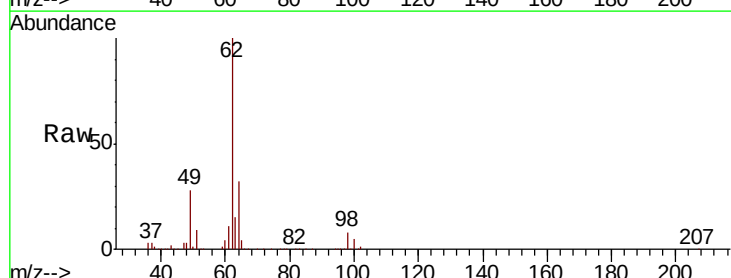
Manual Integrations
APPROVED

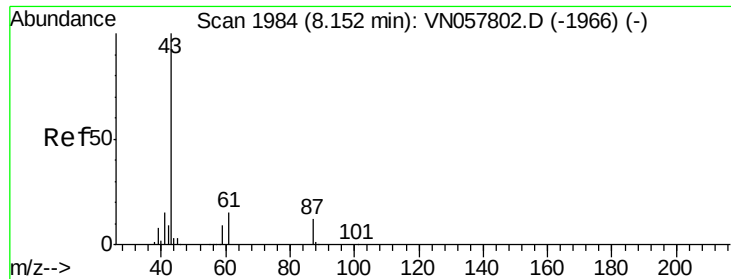
MMDadoda
9/10/2019 4:30:18 PM



#42
1,2-Dichloroethane
Concen: 116.245 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057804.D
Acq: 9 Sep 2019 16:32

Tgt Ion	62	Resp	1240436
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8





#43

Isopropyl Acetate

Concen: 126.962 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1958137

Ion Ratio Lower Upper

43 100

61 19.2 20.1 30.1#

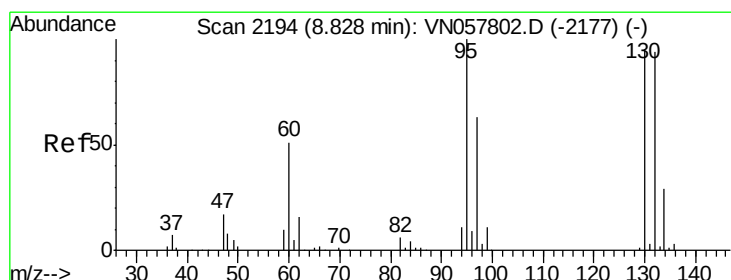
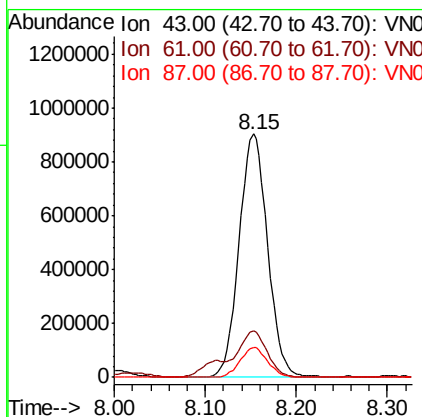
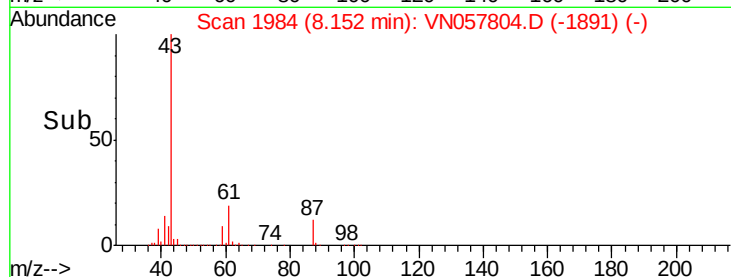
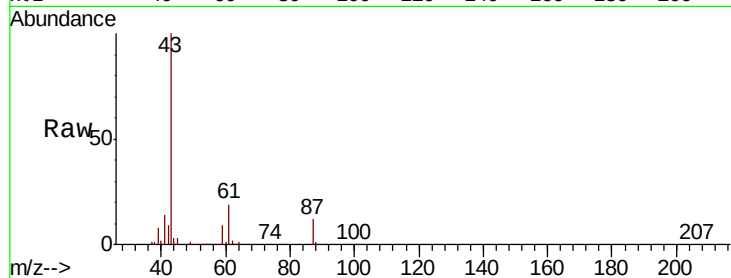
87 12.1 9.5 14.3

Manual Integrations

APPROVED

MMDadoda

9/10/2019 4:30:18 PM



#44

Trichloroethene

Concen: 144.489 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN057804.D

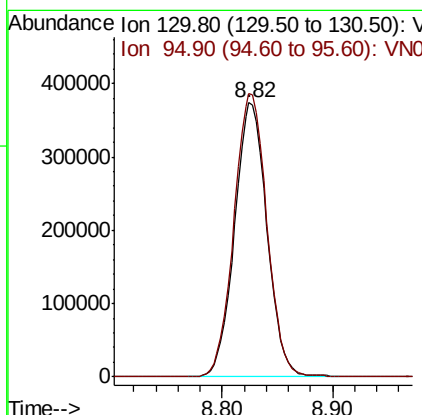
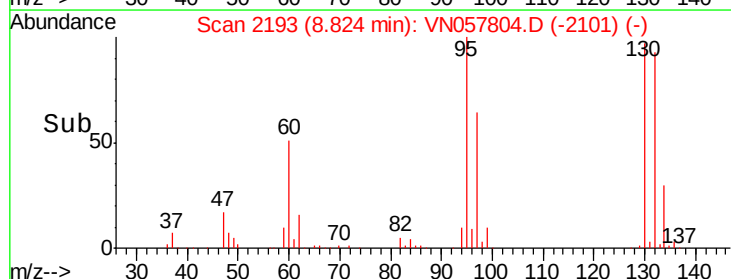
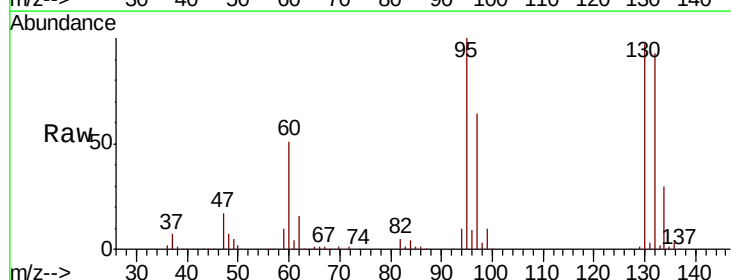
Acq: 9 Sep 2019 16:32

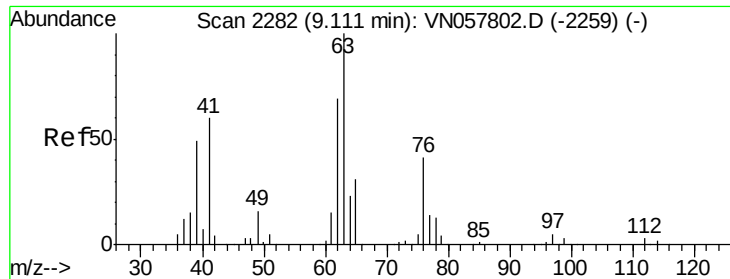
Tgt Ion:130 Resp: 760514

Ion Ratio Lower Upper

130 100

95 103.2 0.0 211.4





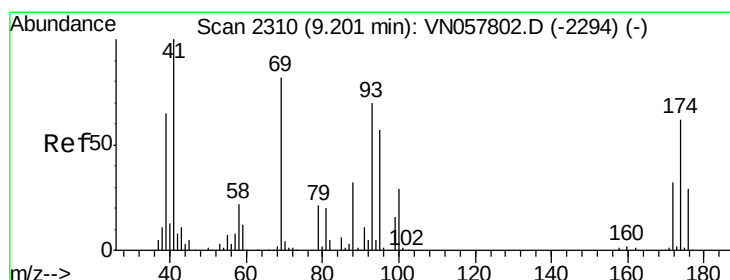
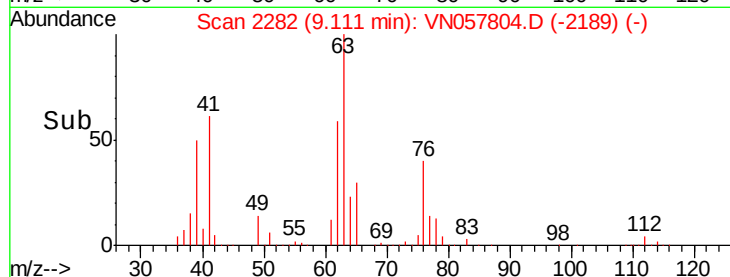
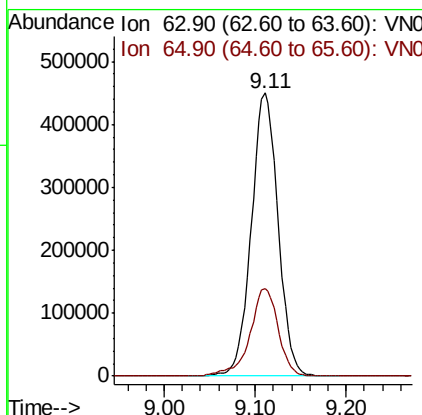
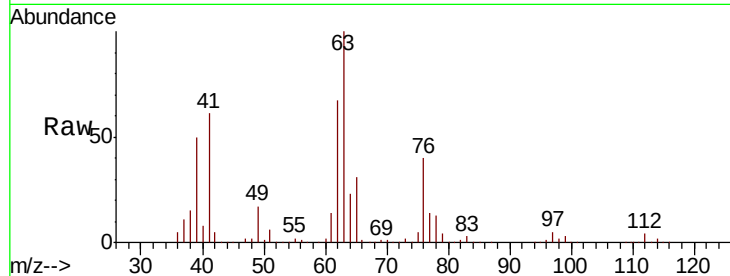
#45
 1,2-Dichloropropane
 Concen: 140.364 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057804.D
 Acq: 9 Sep 2019 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 917487
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.8 37.2

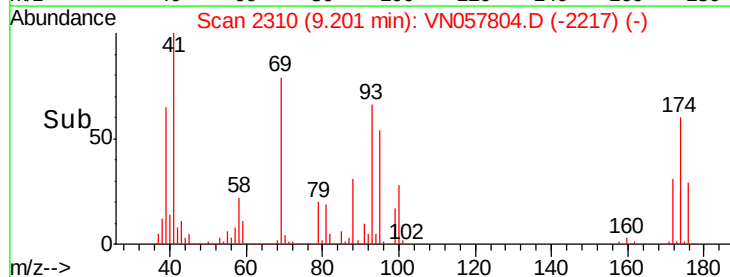
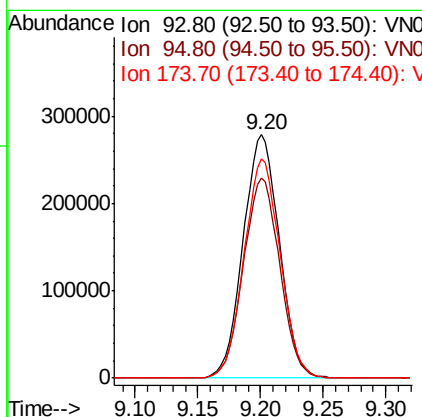
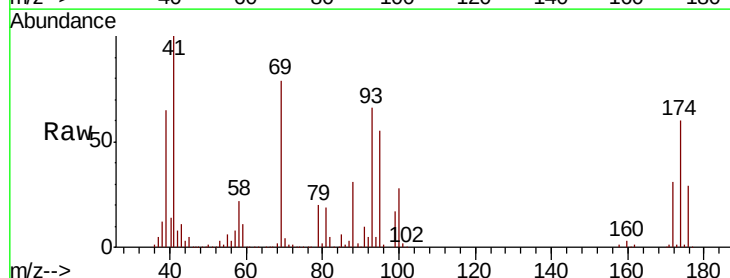
Manual Integrations
 APPROVED

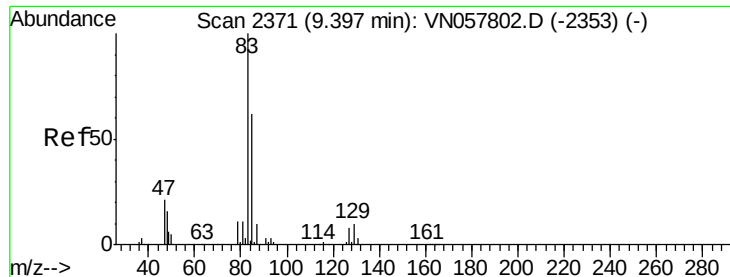
MMDadoda
 9/10/2019 4:30:18 PM



#46
 Dibromomethane
 Concen: 134.950 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057804.D
 Acq: 9 Sep 2019 16:32

Tgt Ion: 93 Resp: 560584
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.9 98.9
 174 90.3 71.8 107.6





#47

Bromodichloromethane

Concen: 140.469 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1239095

Ion Ratio Lower Upper

83 100

85 64.3 49.9 74.9

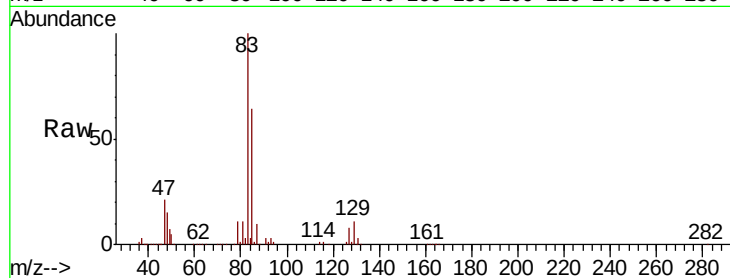
127 8.1 6.5 9.7

Manual Integrations

APPROVED

MMDadoda

9/10/2019 4:30:18 PM



Abundance Ion 82.90 (82.60 to 83.60): VN057804.D (-2278) (-)

Ion 84.90 (84.60 to 85.60): VN057804.D (-2278) (-)

Ion 126.80 (126.50 to 127.50): VN057804.D (-2278) (-)

9.40

800000

600000

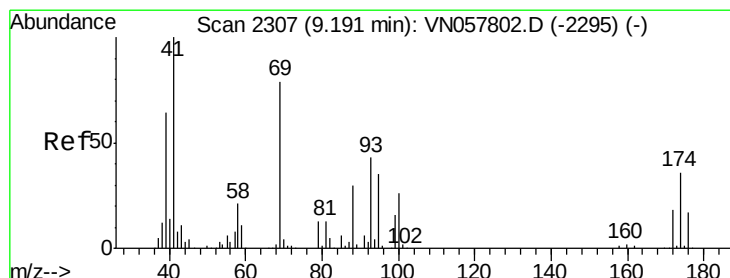
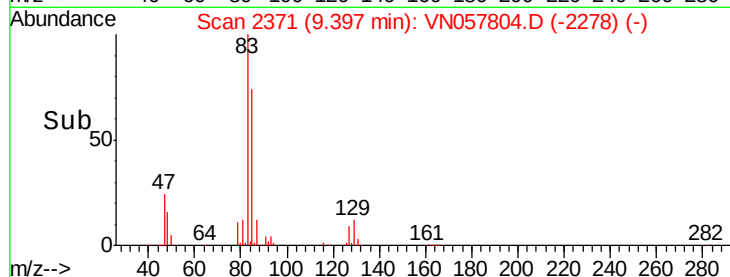
400000

200000

0

9.30 9.40 9.50

Time-->



#48

Methyl methacrylate

Concen: 121.502 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

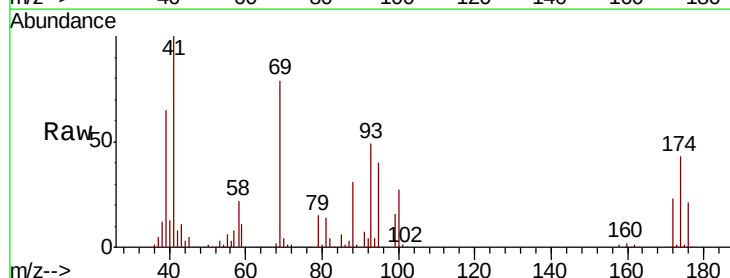
Tgt Ion: 41 Resp: 963173

Ion Ratio Lower Upper

41 100

69 79.0 62.7 94.1

39 65.3 52.7 79.1



Abundance Ion 41.00 (40.70 to 41.70): VN057804.D (-2214) (-)

Ion 69.00 (68.70 to 69.70): VN057804.D (-2214) (-)

Ion 39.00 (38.70 to 39.70): VN057804.D (-2214) (-)

9.19

600000

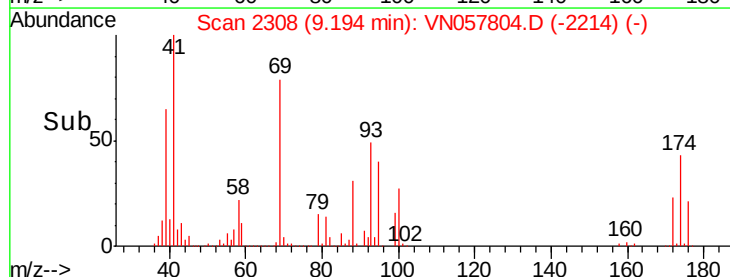
400000

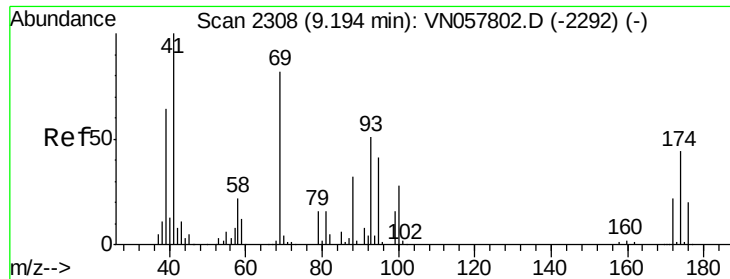
200000

0

9.15 9.20 9.25

Time-->





#49

1,4-Dioxane

Concen: 3249.265 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Instrument :

MSVOA_N

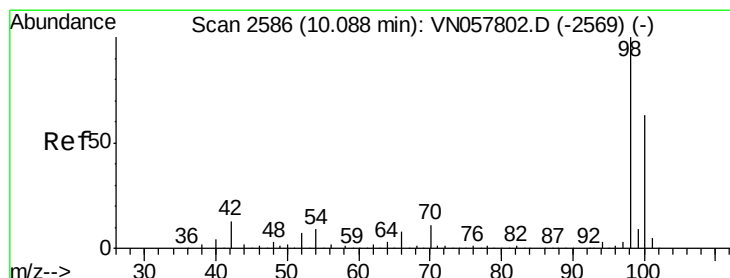
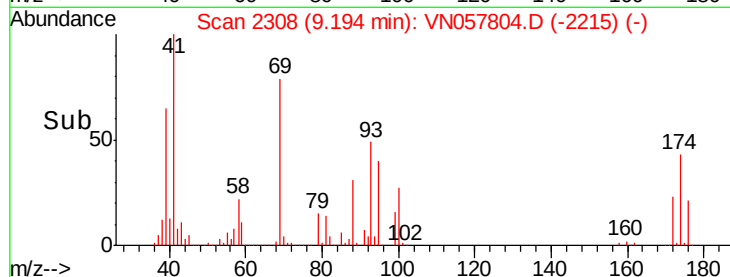
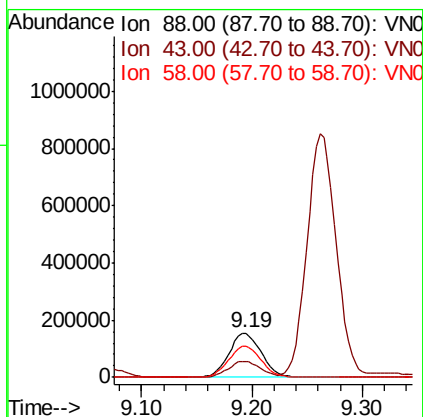
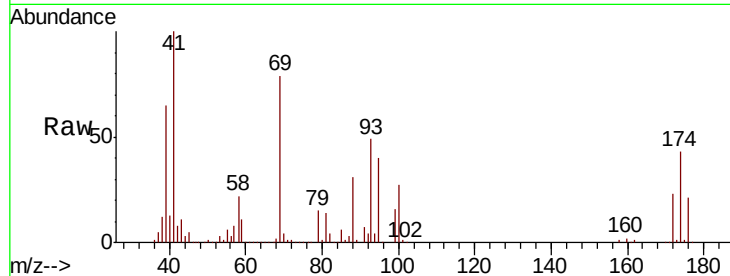
ClientSampled :

VSTDIC150

Tot Ion:	88	Resp:	313746
Ion	Ratio	Lower	Upper
88	100		
43	35.4	28.5	42.7
58	71.2	55.8	83.6

Manual Integrations
APPROVED

MMDadoda
9/10/2019 4:30:18 PM



#50

Toluene-d8

Concen: 148.768 ug/l

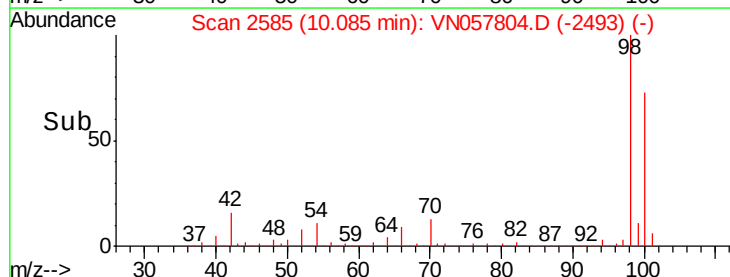
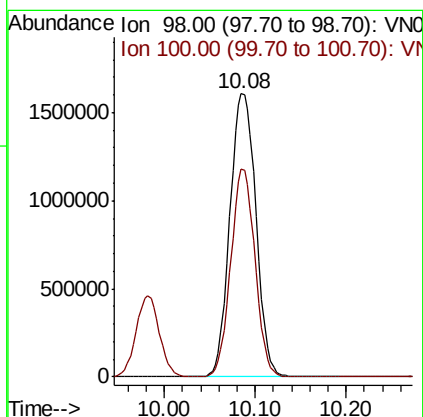
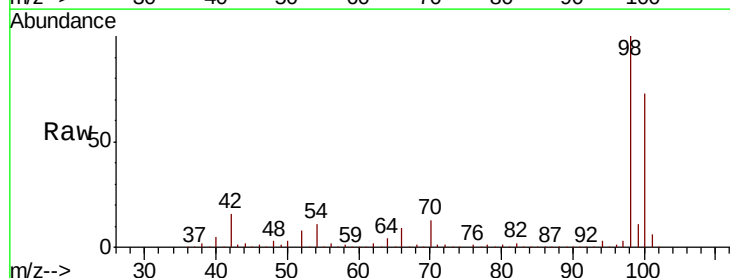
RT: 10.08 min Scan# 2585

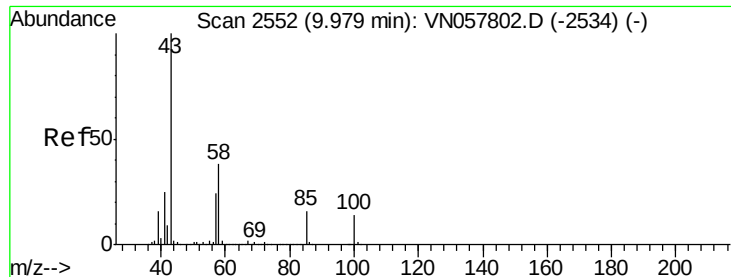
Delta R.T. -0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Tgt Ion:	98	Resp:	3189500
Ion	Ratio	Lower	Upper
98	100		
100	68.5	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 513.579 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 4456653

Ion Ratio Lower Upper

43 100

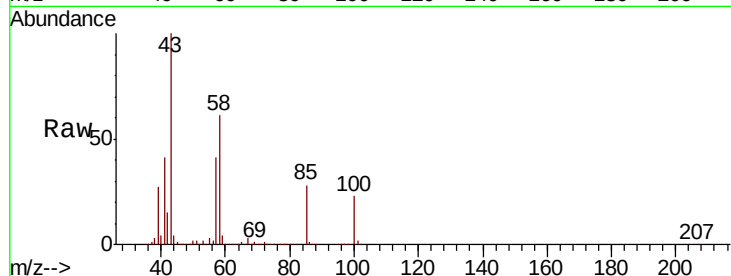
58 49.7 29.8 44.6#

Manual Integrations

APPROVED

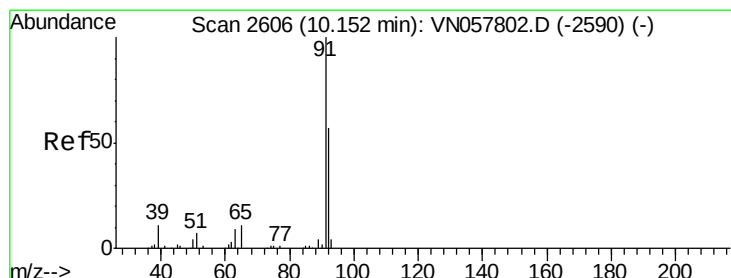
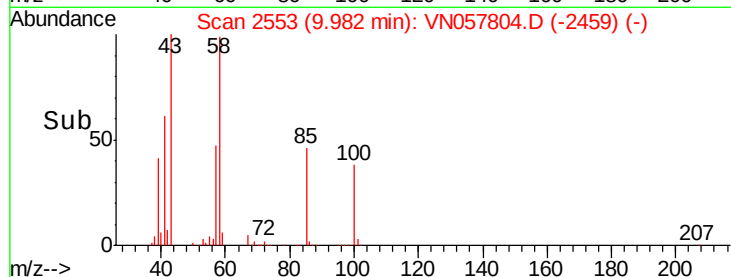
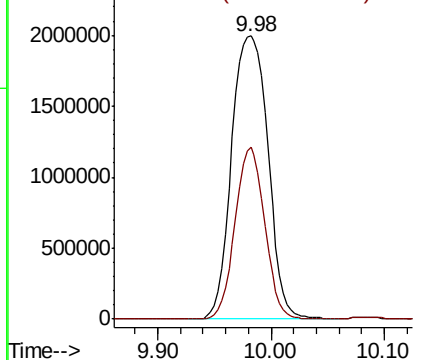
MMDadoda

9/10/2019 4:30:18 PM



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-2534) (-)



#52

Toluene

Concen: 142.288 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057804.D

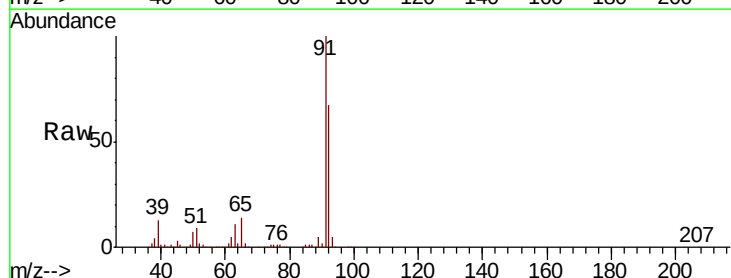
Acq: 9 Sep 2019 16:32

Tgt Ion: 92 Resp: 2022033

Ion Ratio Lower Upper

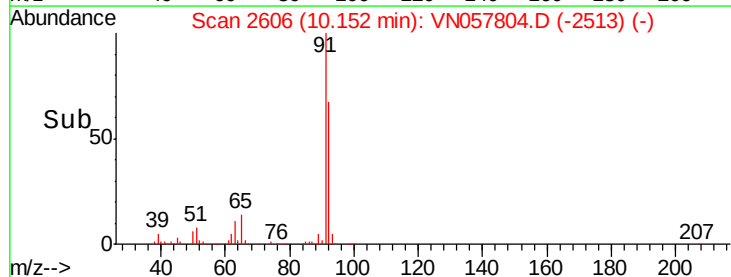
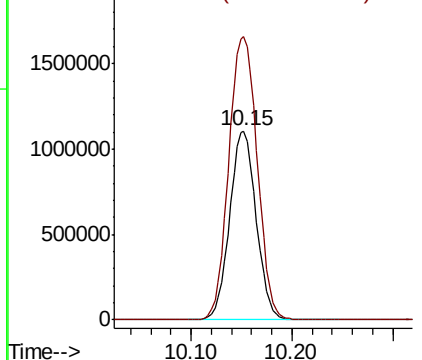
92 100

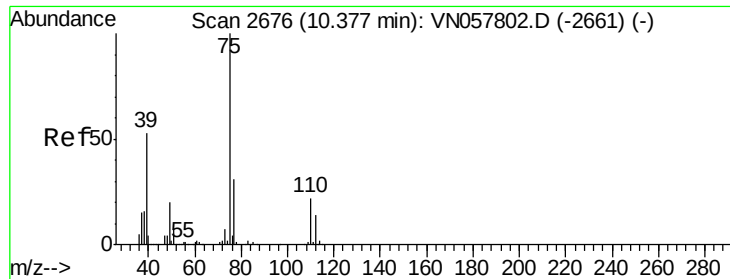
91 161.2 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN057802.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN057802.D (-2590) (-)





#53

t-1,3-Dichloropropene

Concen: 158.885 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 1414020

Ion Ratio Lower Upper

75 100

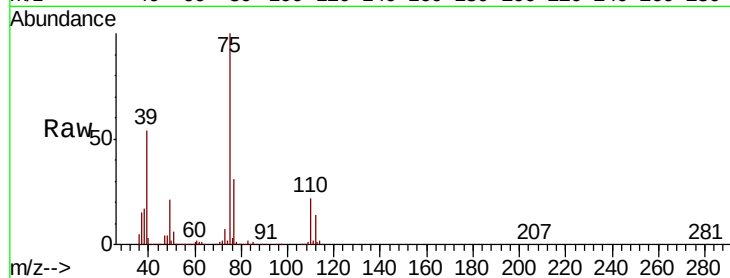
77 31.2 24.5 36.7

Manual Integrations

APPROVED

MMDadoda

9/10/2019 4:30:18 PM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

800000

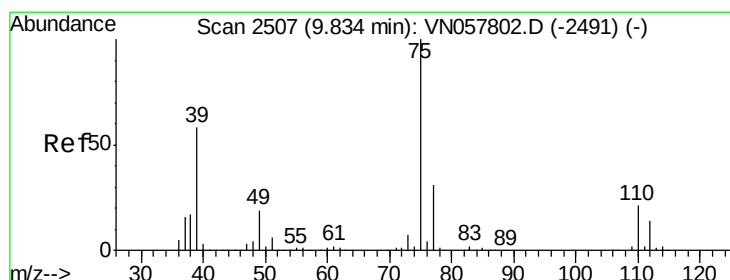
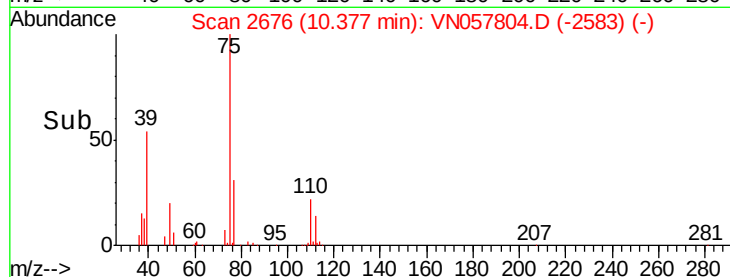
600000

400000

200000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 152.486 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

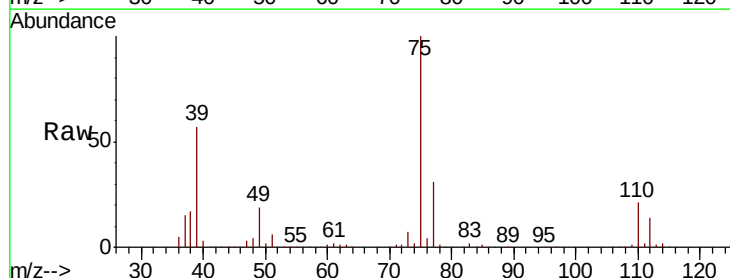
Tgt Ion: 75 Resp: 1471096

Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2

39 57.4 46.2 69.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

1000000

800000

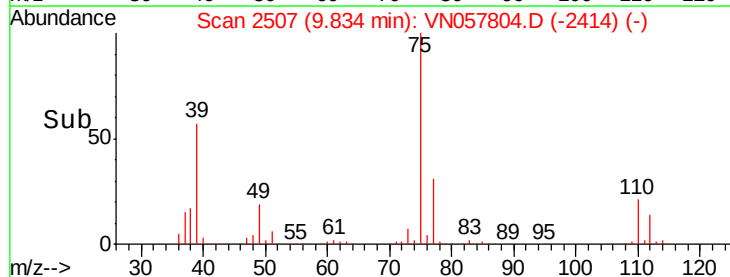
600000

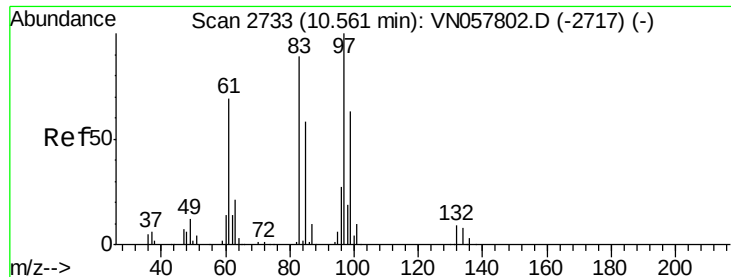
400000

200000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 151.453 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Instrument :

MSVOA_N

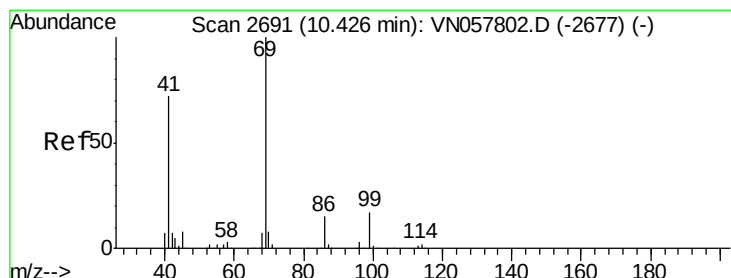
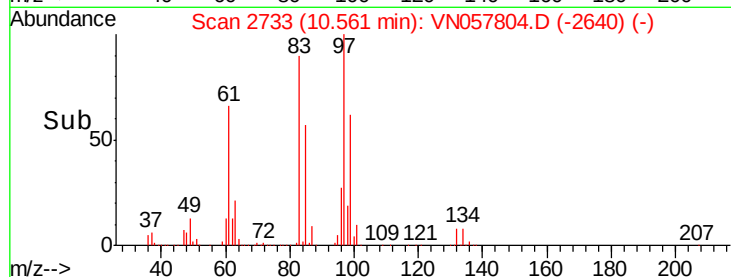
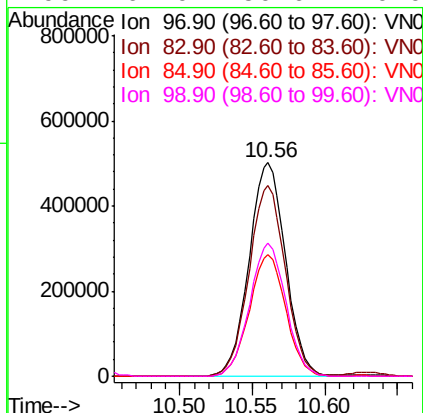
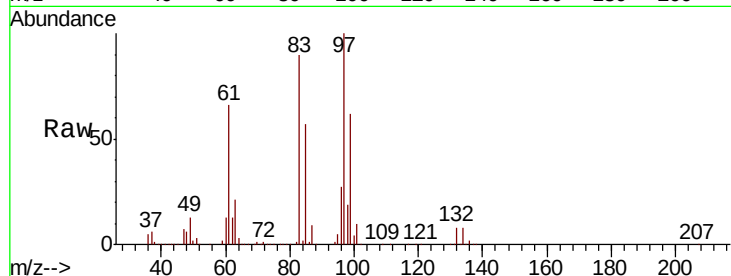
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	878264
Ion	Ratio	Lower	Upper
97	100		
83	89.5	70.8	106.2
85	56.7	46.0	69.0
99	62.0	50.6	76.0

Manual Integrations
APPROVED

MMDadoda
9/10/2019 4:30:18 PM



#56

Ethyl methacrylate

Concen: 154.258 ug/l

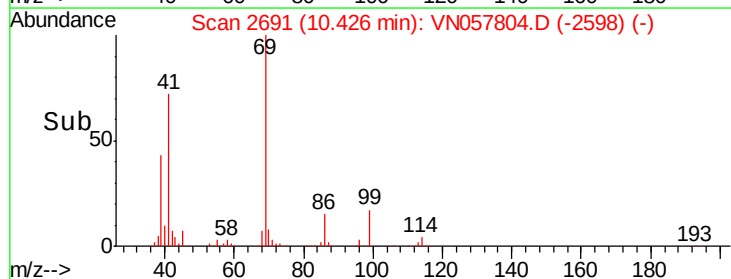
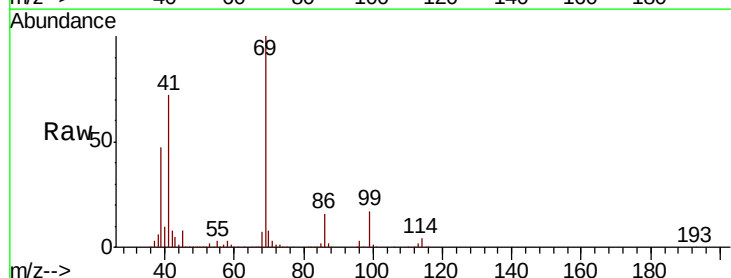
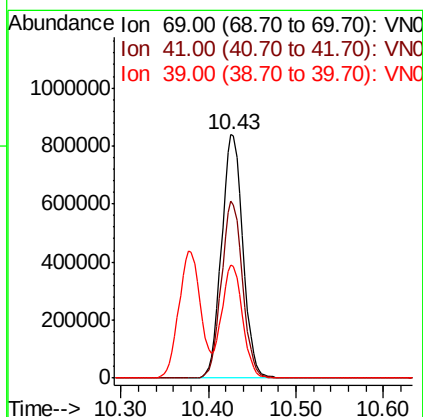
RT: 10.43 min Scan# 2691

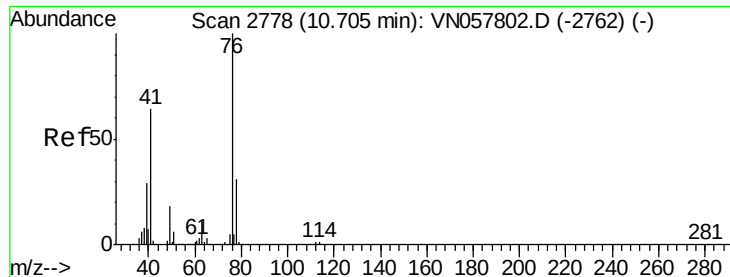
Delta R.T. 0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Tgt Ion:	69	Resp:	1416044
Ion	Ratio	Lower	Upper
69	100		
41	71.8	56.7	85.1
39	45.6	36.3	54.5





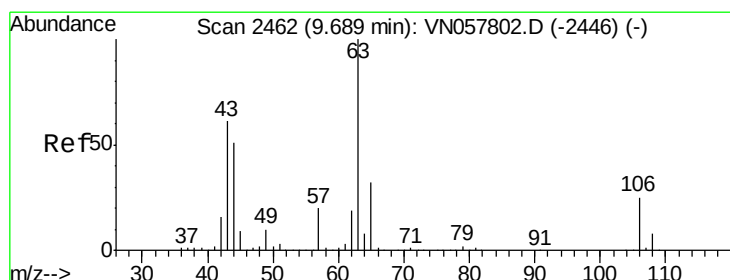
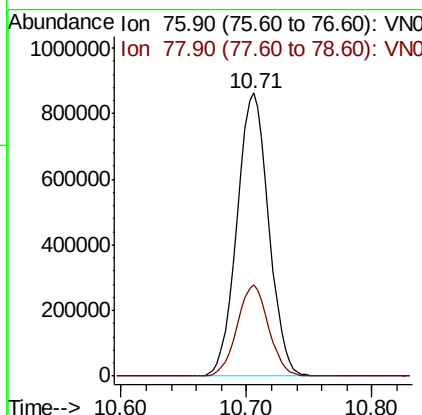
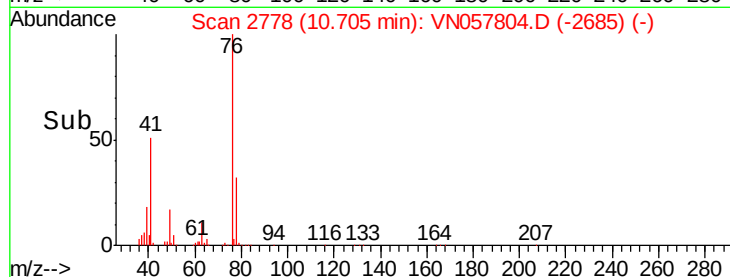
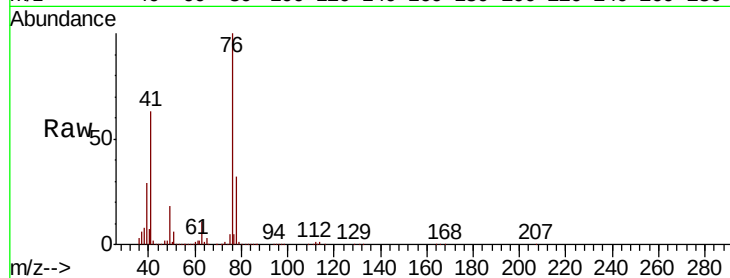
#57
 1,3-Dichloropropane
 Concen: 145.990 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN057804.D
 Acq: 9 Sep 2019 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 1513097
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.4 38.2

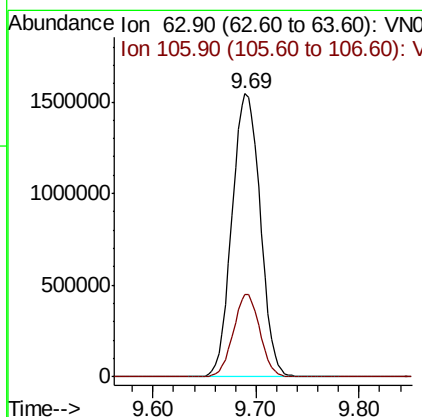
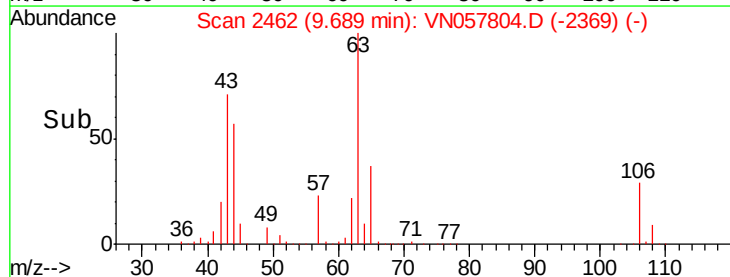
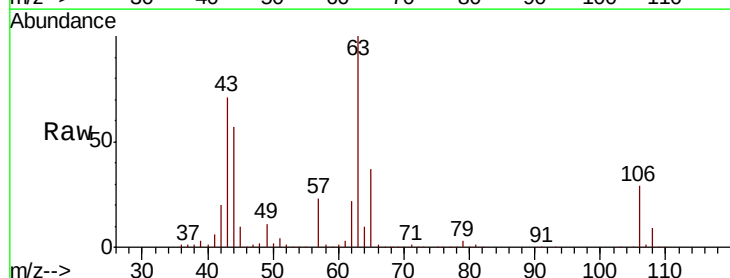
Manual Integrations
 APPROVED

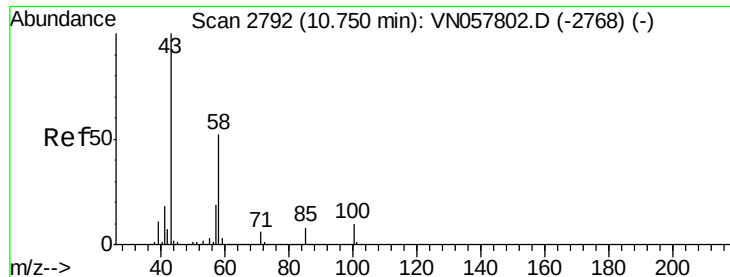
MMDadoda
 9/10/2019 4:30:18 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 633.301 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057804.D
 Acq: 9 Sep 2019 16:32

Tgt Ion: 63 Resp: 2952826
 Ion Ratio Lower Upper
 63 100
 106 27.3 20.0 30.0





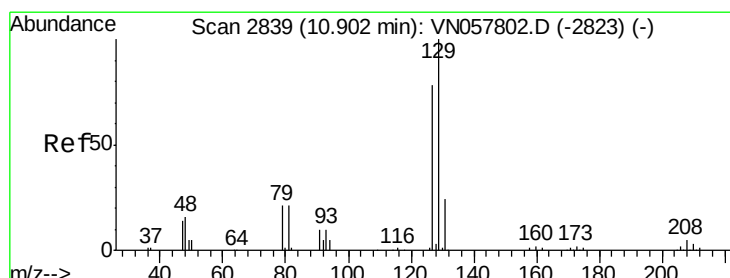
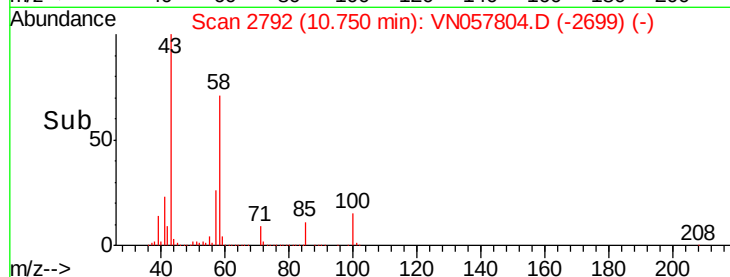
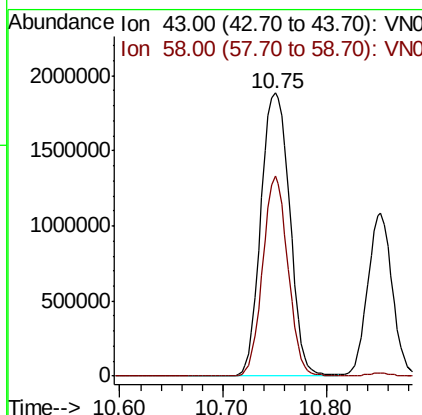
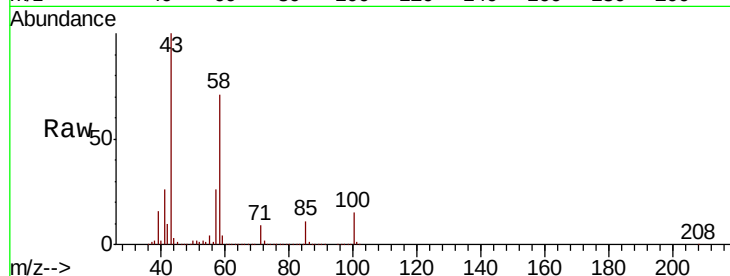
#59
2-Hexanone
Concen: 590.505 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057804.D
Acq: 9 Sep 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 3644430
Ion Ratio Lower Upper
43 100
58 62.0 25.6 76.8

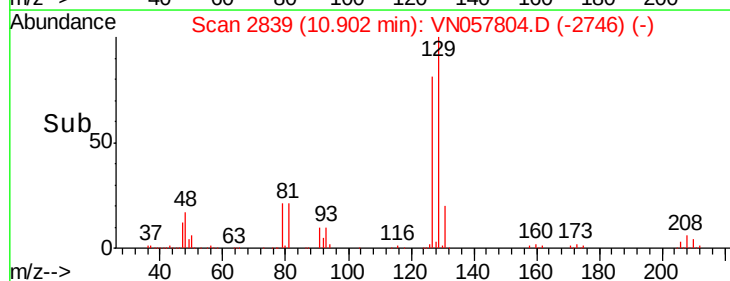
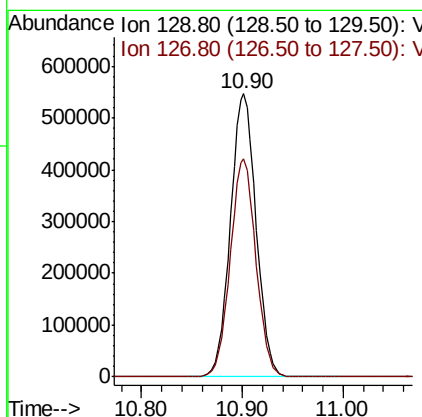
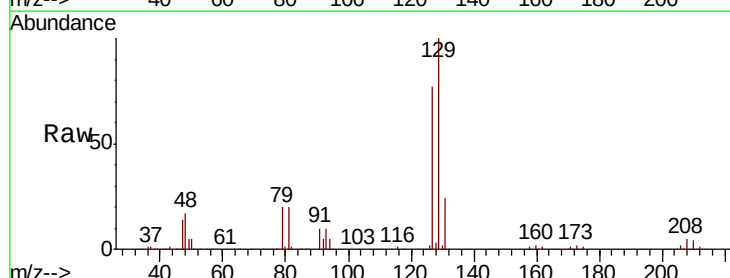
Manual Integrations
APPROVED

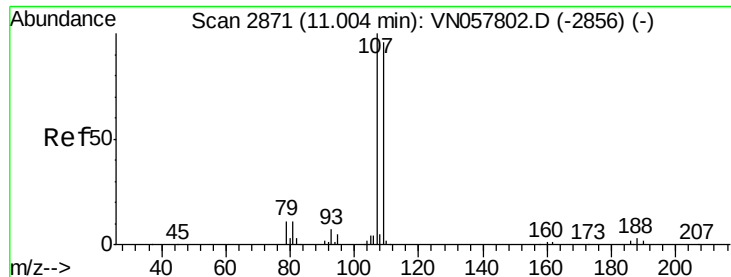
MMDadoda
9/10/2019 4:30:18 PM



#60
Dibromochloromethane
Concen: 172.906 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057804.D
Acq: 9 Sep 2019 16:32

Tgt Ion: 129 Resp: 965959
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 155.436 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 107 Resp: 858480

Ion Ratio Lower Upper

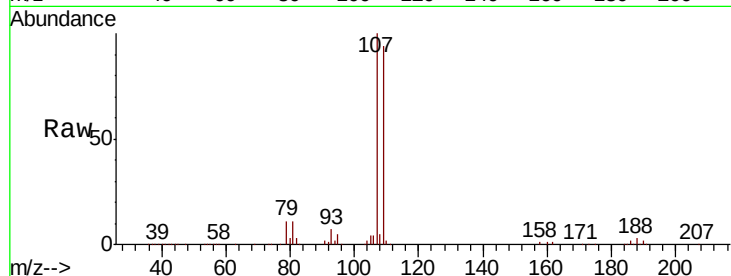
107 100

109 94.1 75.3 112.9

Manual Integrations
APPROVED

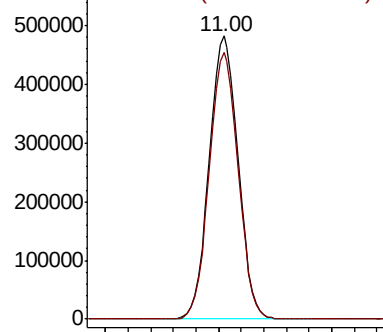
MMDadoda

9/10/2019 4:30:18 PM

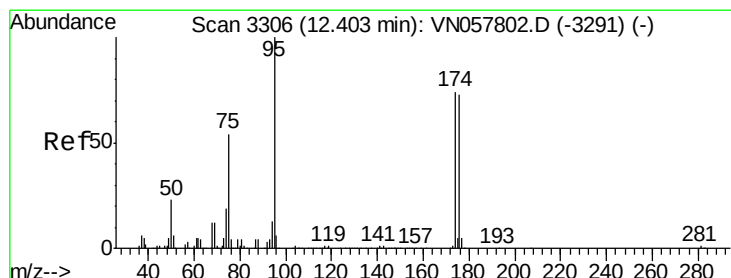
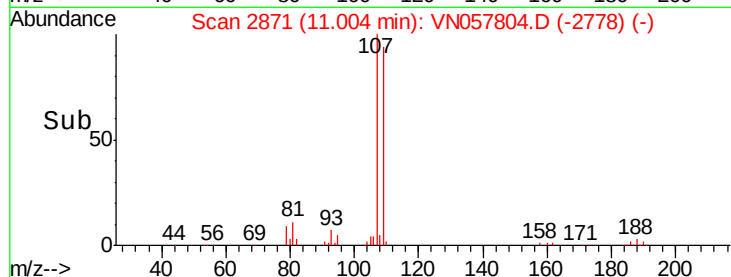


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 152.007 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

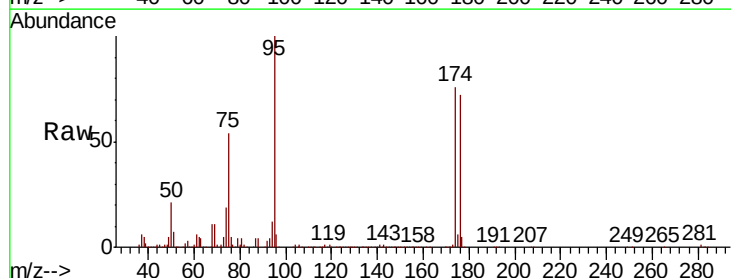
Tgt Ion: 95 Resp: 1317758

Ion Ratio Lower Upper

95 100

174 75.5 0.0 150.2

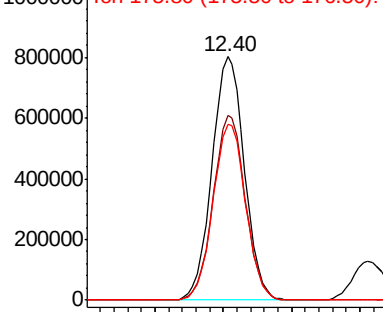
176 73.0 0.0 146.0



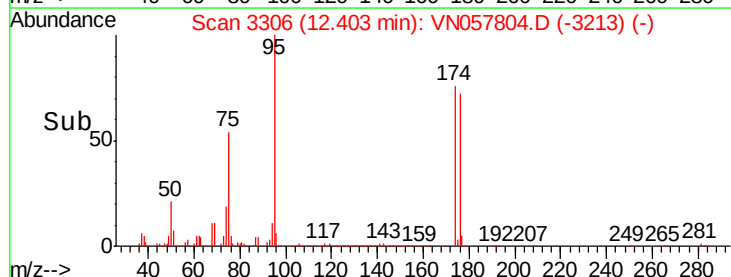
Abundance Ion 94.90 (94.60 to 95.60): VN0

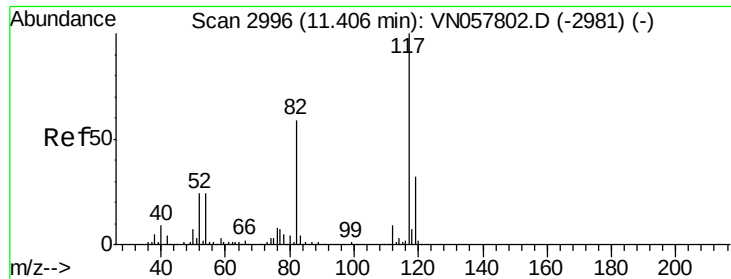
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





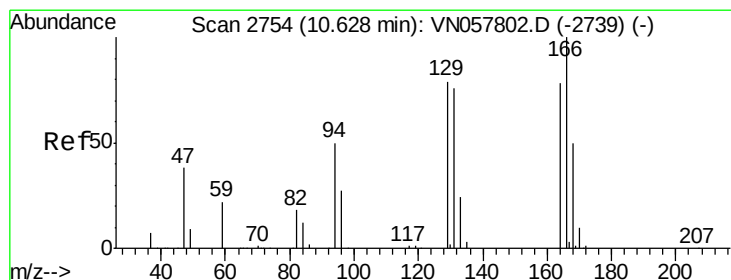
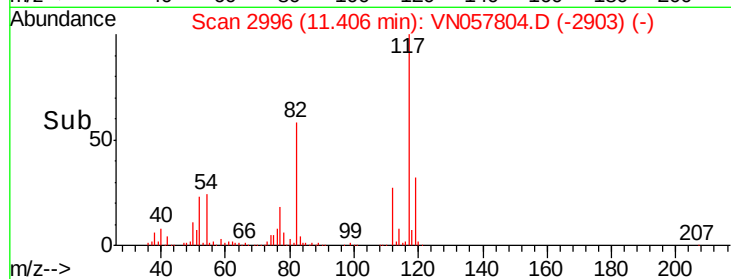
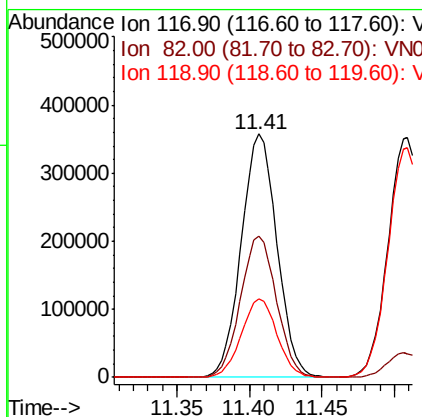
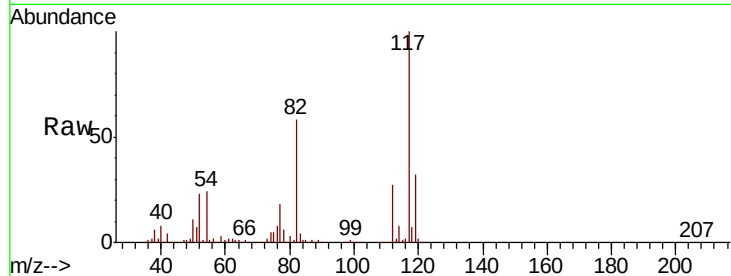
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057804.D
Acq: 9 Sep 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	612910		
82	58.1	47.2	70.8	
119	32.1	25.3	37.9	

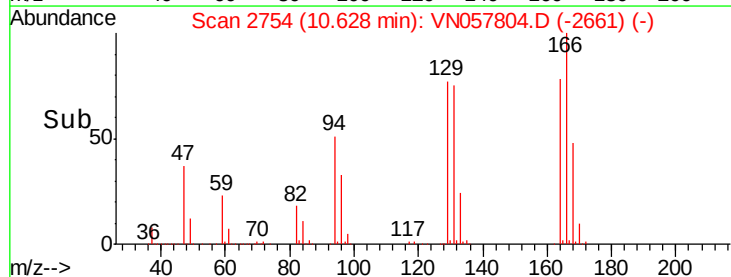
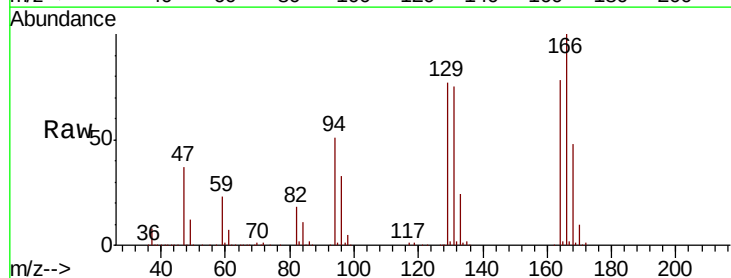
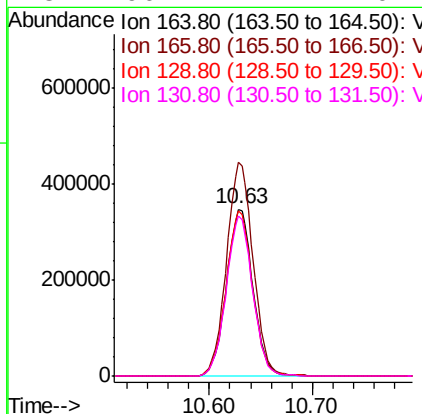
Manual Integrations
APPROVED

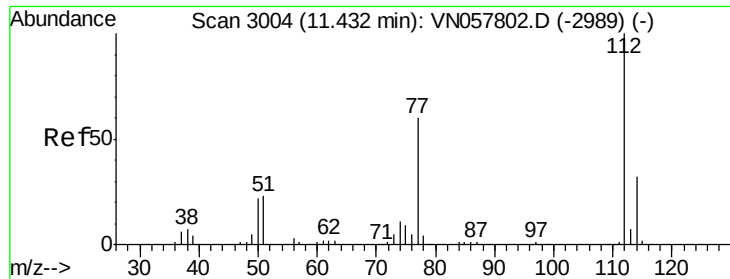
MMDadoda
9/10/2019 4:30:18 PM



#64
Tetrachloroethene
Concen: 132.021 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057804.D
Acq: 9 Sep 2019 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	622274		
166	128.0	102.2	153.2	
129	99.1	80.8	121.2	
131	96.2	77.4	116.2	





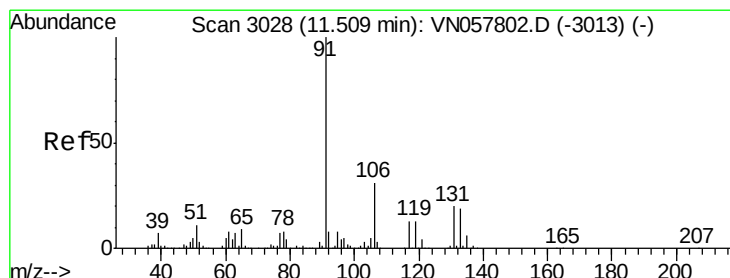
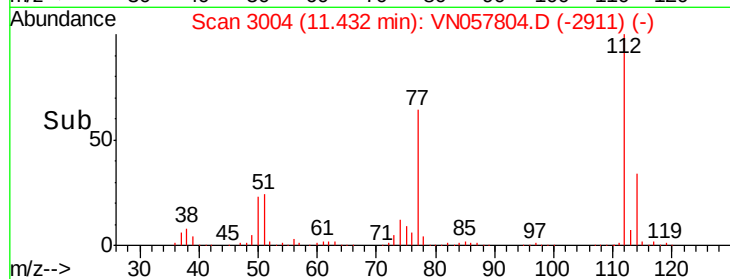
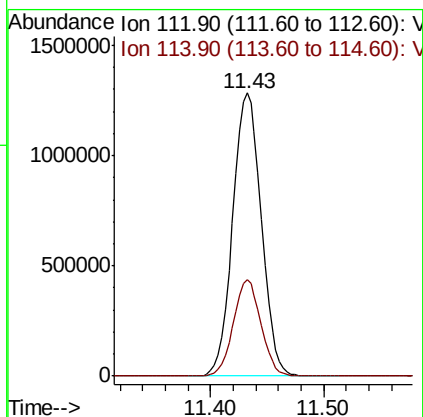
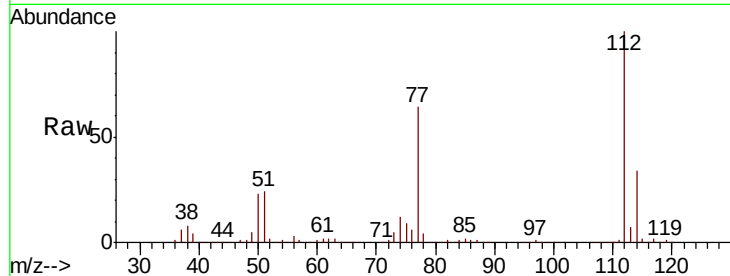
#65
Chlorobenzene
Concen: 140.573 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057804.D
Acq: 9 Sep 2019 16:32

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:112 Resp: 2253563
Ion Ratio Lower Upper
112 100
114 34.3 25.2 37.8

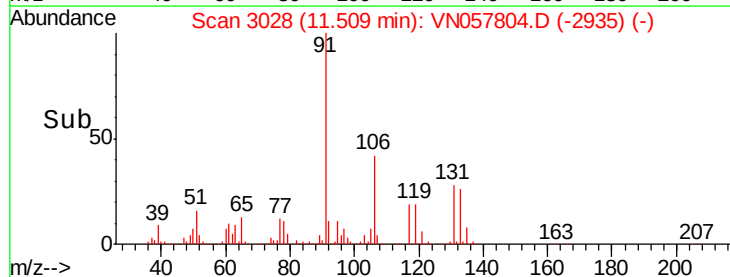
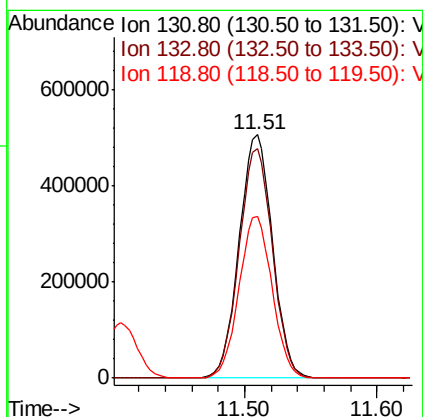
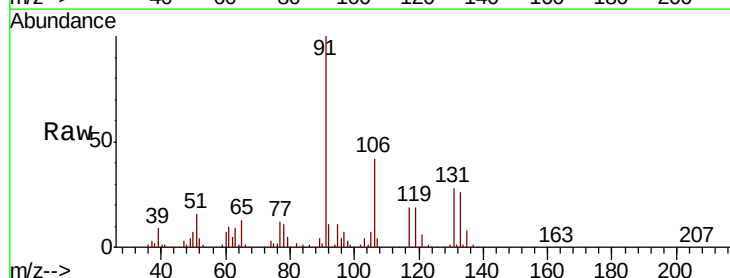
Manual Integrations
APPROVED

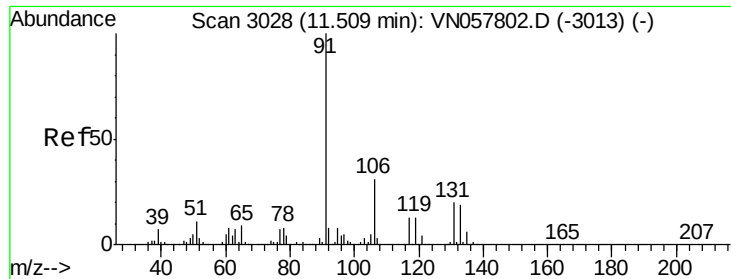
MMDadoda
9/10/2019 4:30:18 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 158.540 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057804.D
Acq: 9 Sep 2019 16:32

Tgt Ion:131 Resp: 884593
Ion Ratio Lower Upper
131 100
133 94.8 47.1 141.3
119 66.3 33.3 99.8





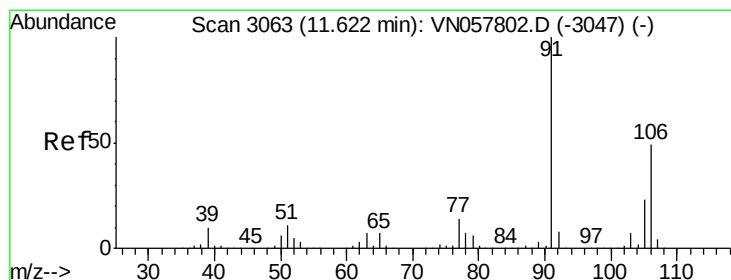
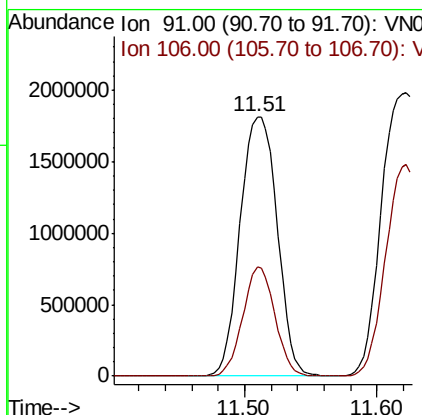
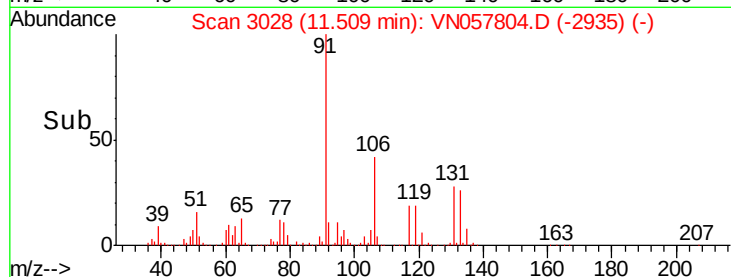
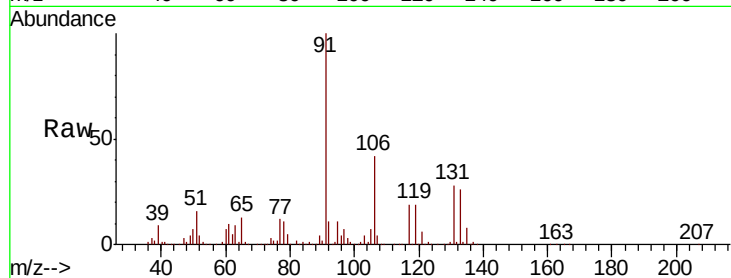
#67
Ethyl Benzene
Concen: 115.894 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057804.D
Acq: 9 Sep 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 3524291
Ion Ratio Lower Upper
91 100
106 42.2 24.4 36.6#

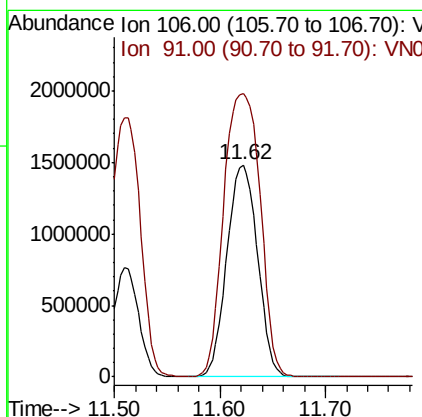
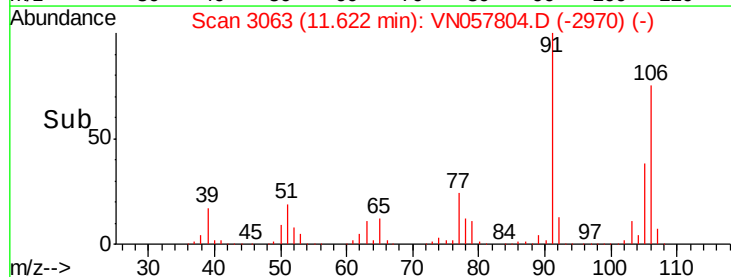
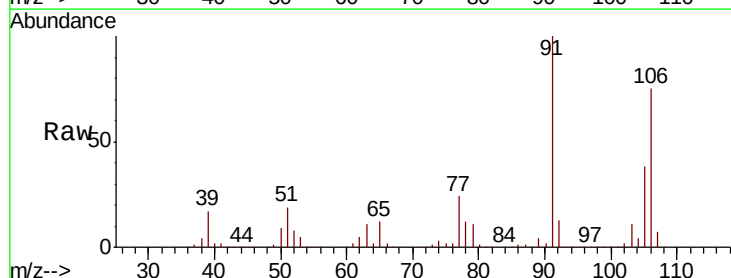
Manual Integrations
APPROVED

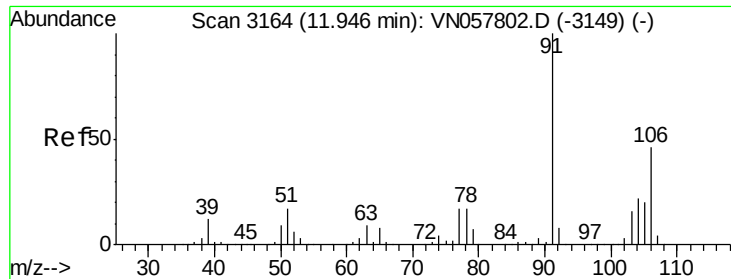
MMDadoda
9/10/2019 4:30:18 PM



#68
m/p-Xylenes
Concen: 282.012 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057804.D
Acq: 9 Sep 2019 16:32

Tgt Ion: 106 Resp: 2983254
Ion Ratio Lower Upper
106 100
91 159.4 165.8 248.6#





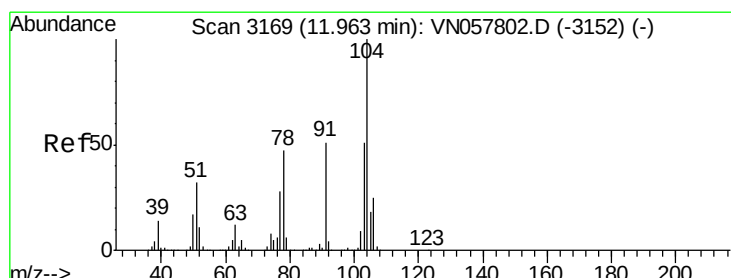
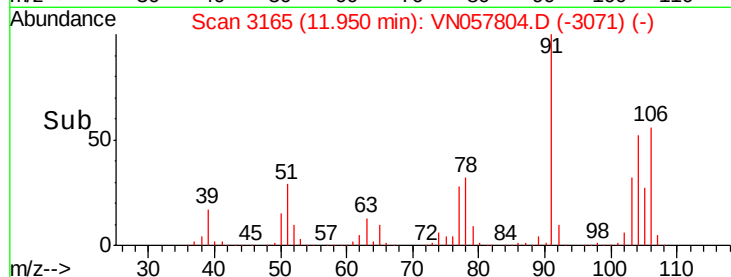
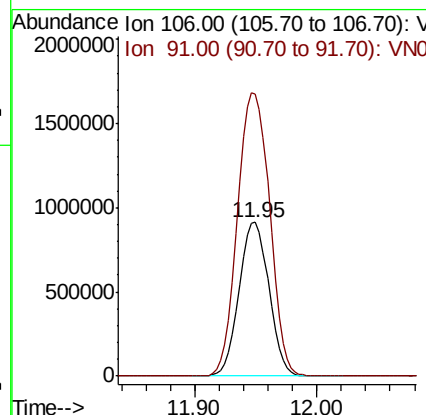
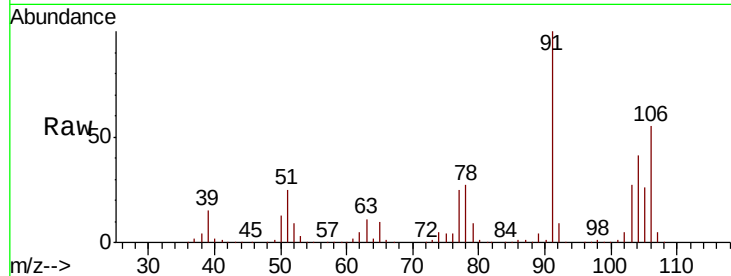
#69
o-Xylene
Concen: 147.205 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057804.D
Acq: 9 Sep 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1548731
Ion Ratio Lower Upper
106 100
91 198.7 108.7 326.1

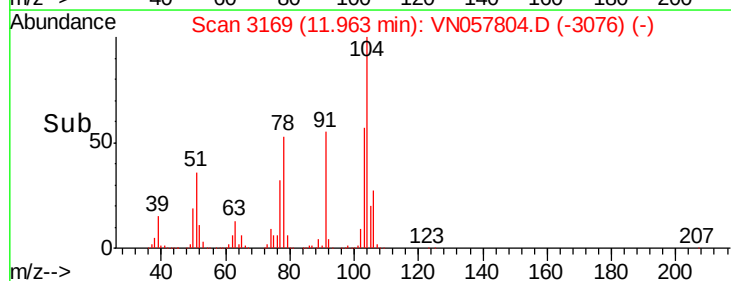
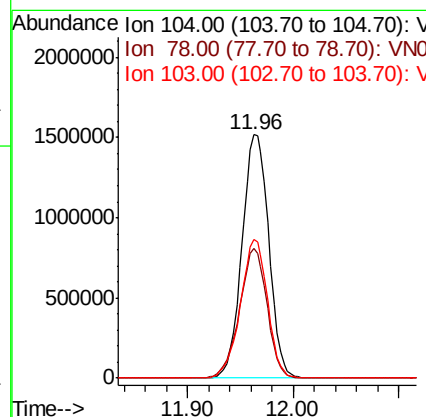
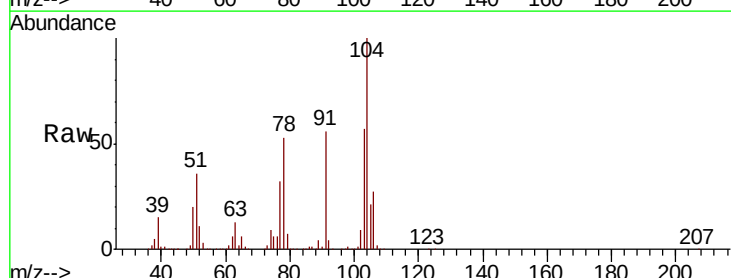
Manual Integrations
APPROVED

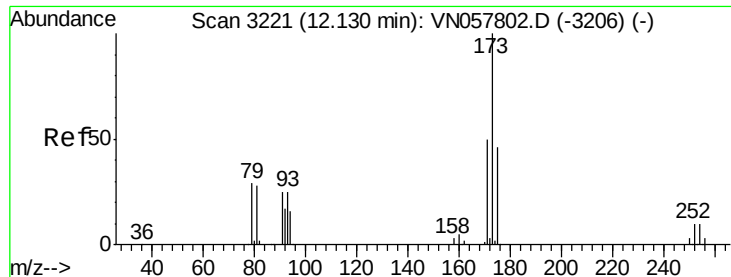
MMDadoda
9/10/2019 4:30:18 PM



#70
Styrene
Concen: 145.924 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057804.D
Acq: 9 Sep 2019 16:32

Tgt Ion:104 Resp: 2664546
Ion Ratio Lower Upper
104 100
78 54.9 41.3 61.9
103 57.7 43.7 65.5





#71

Bromoform

Concen: 183.426 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 659059

Ion Ratio Lower Upper

173 100

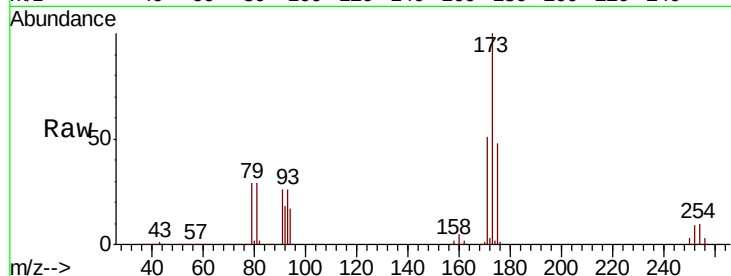
175 48.4 23.5 70.6

254 0.1 0.1 0.1

Manual Integrations
APPROVED

MMDadoda

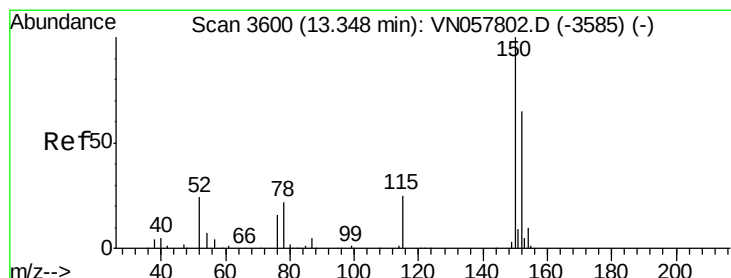
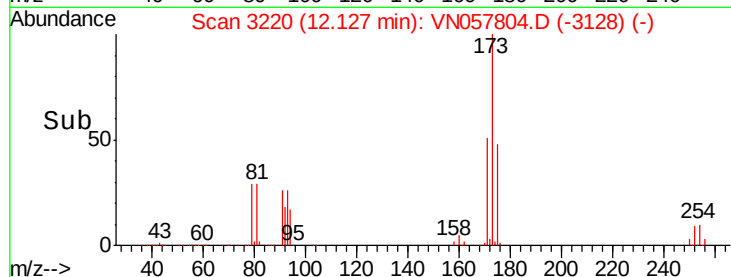
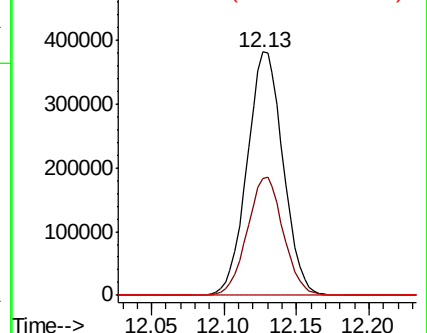
9/10/2019 4:30:18 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

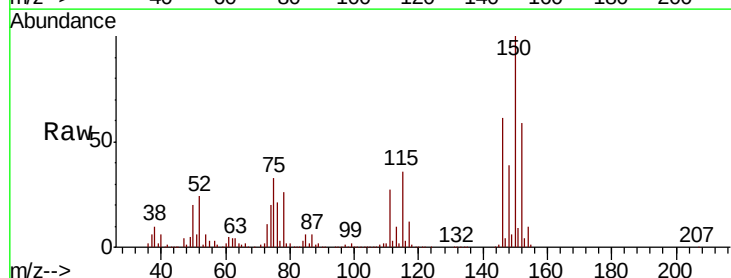
Tgt Ion:152 Resp: 377306

Ion Ratio Lower Upper

152 100

115 61.3 30.3 91.0

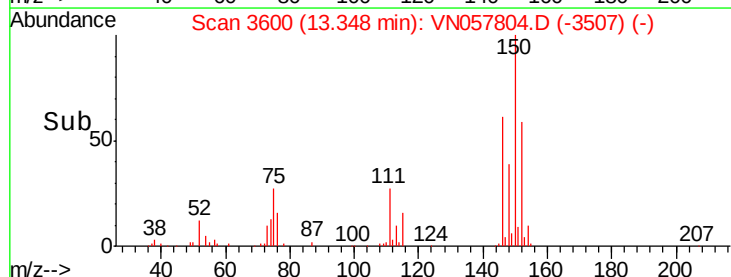
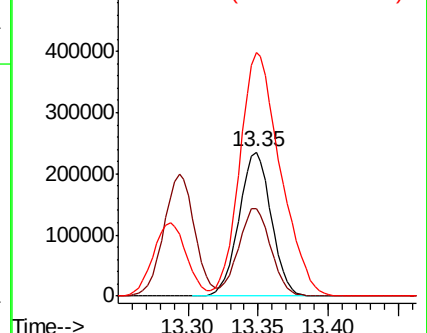
150 211.8 0.0 352.4

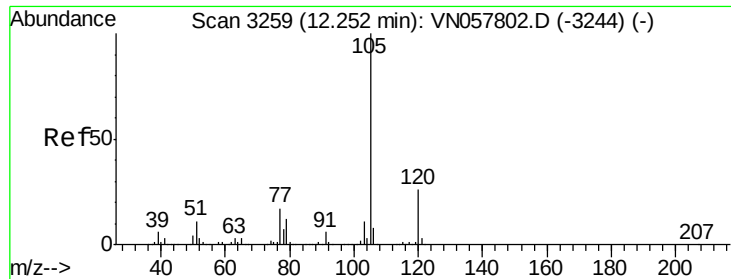


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 109.335 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3575268

Ion Ratio Lower Upper

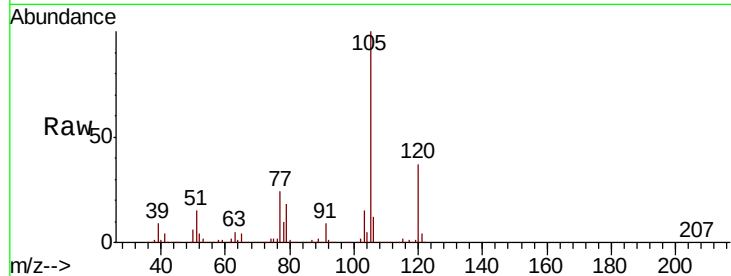
105 100

120 31.8 12.8 38.4

Manual Integrations
APPROVED

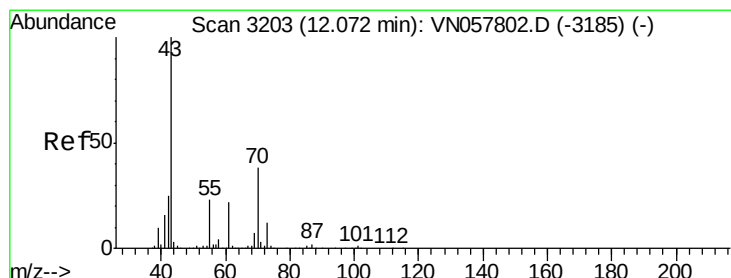
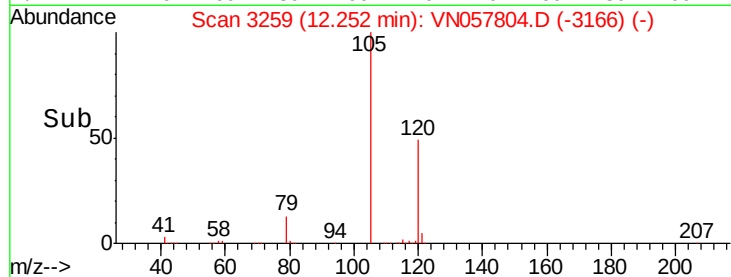
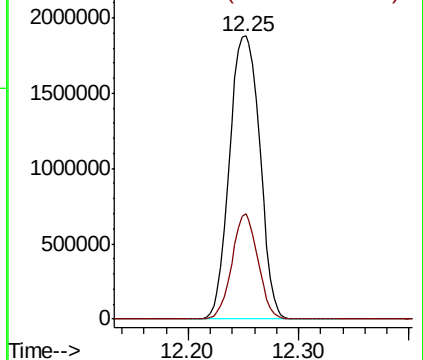
MMDadoda

9/10/2019 4:30:18 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 121.364 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Tgt Ion: 43 Resp: 1946132

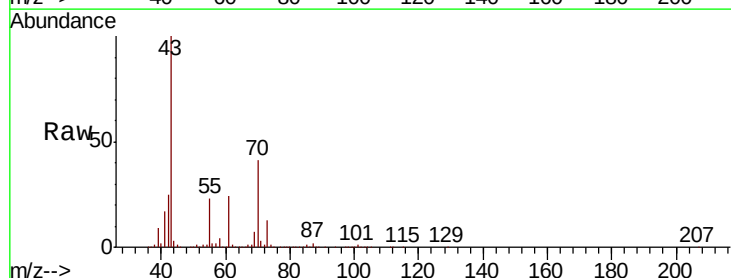
Ion Ratio Lower Upper

43 100

70 39.9 30.6 45.8

55 22.7 18.6 27.8

61 23.0 17.4 26.2

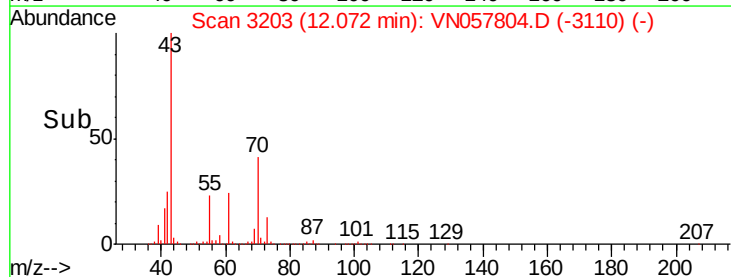
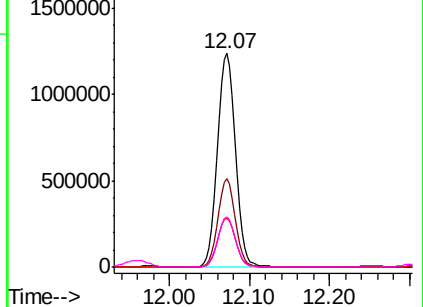


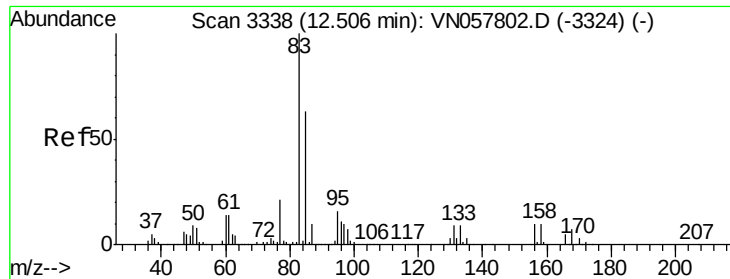
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 137.445 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 83 Resp: 1370515

Ion Ratio Lower Upper

83 100

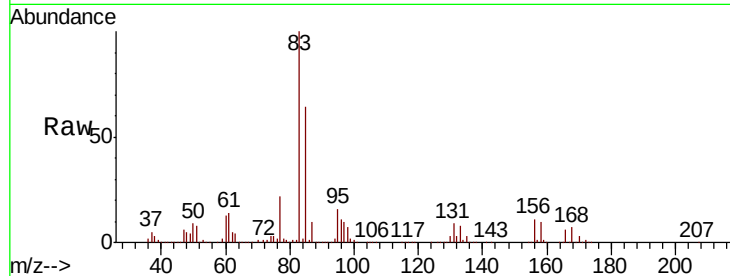
131 9.6 4.8 14.3

85 63.9 31.6 94.7

Manual Integrations
APPROVED

MMDadoda

9/10/2019 4:30:18 PM

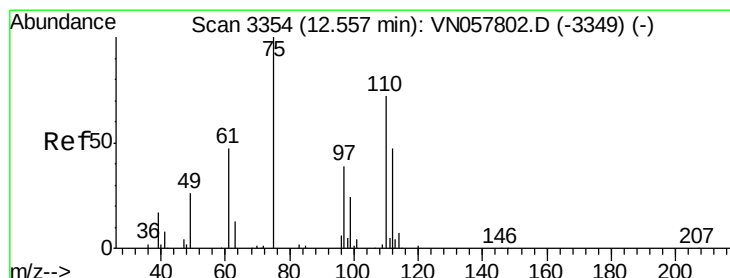
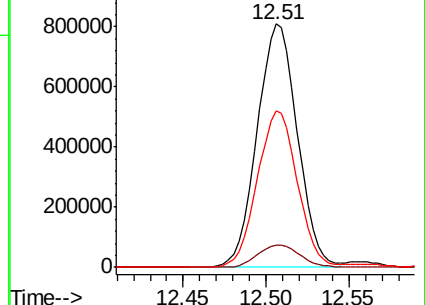
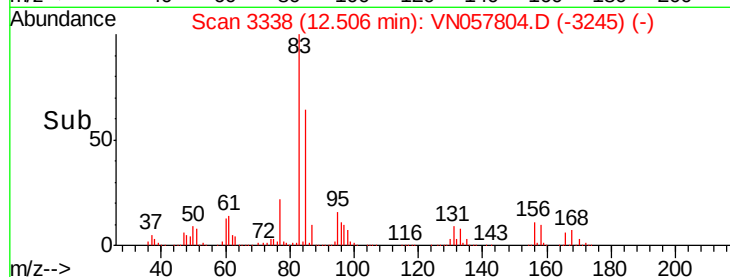


Abundance Ion 82.90 (82.60 to 83.60): VN057802.D (-3324) (-)

Ion 130.80 (130.50 to 131.50): VN057802.D (-3324) (-)

Ion 84.90 (84.60 to 85.60): VN057802.D (-3324) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 143.704 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN057804.D

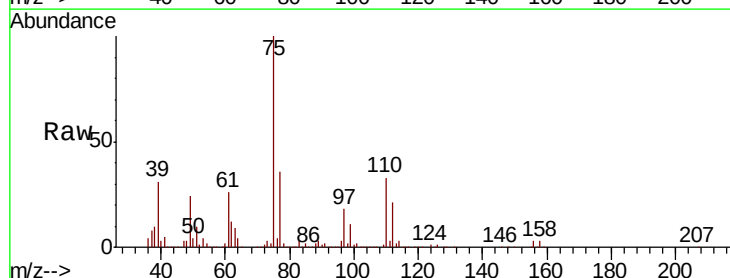
Acq: 9 Sep 2019 16:32

Tgt Ion: 75 Resp: 1236152

Ion Ratio Lower Upper

75 100

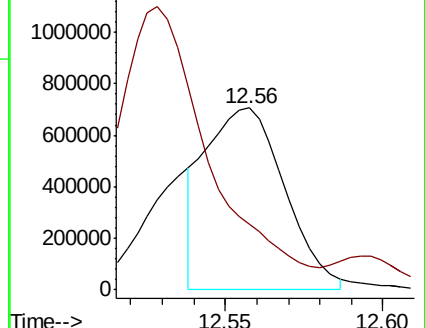
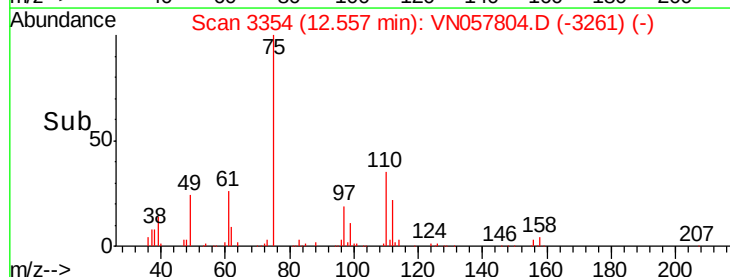
77 0.0 0.0 0.0

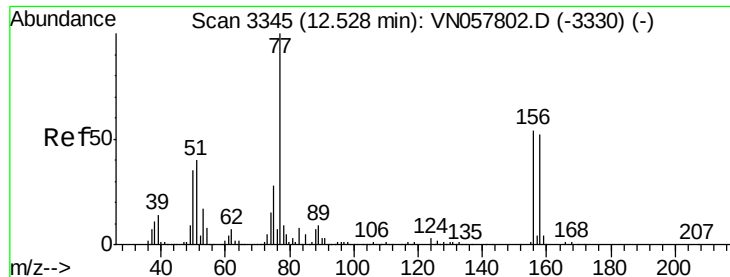


Abundance Ion 74.90 (74.60 to 75.60): VN057802.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN057802.D (-3349) (-)

Time-->





#77

Bromobenzene

Concen: 143.326 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:156 Resp: 1029574

Ion Ratio Lower Upper

156 100

77 222.1 113.7 341.1

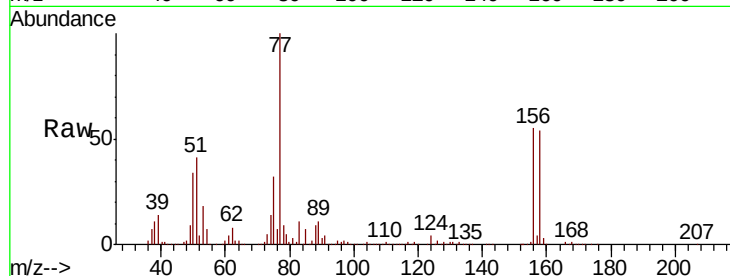
158 97.1 48.5 145.6

Manual Integrations

APPROVED

MMDadoda

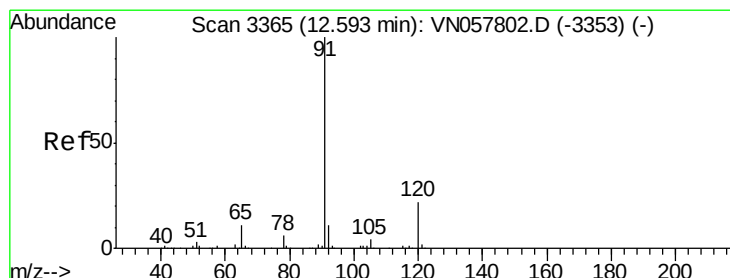
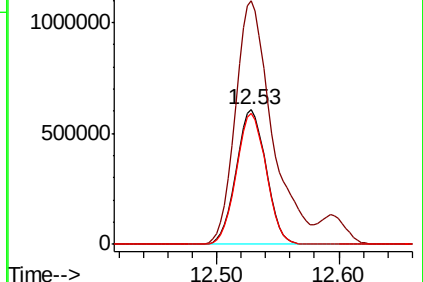
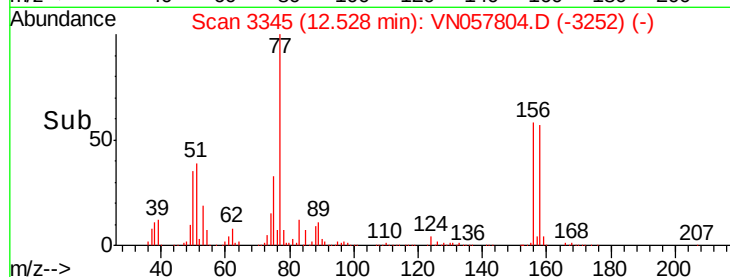
9/10/2019 4:30:18 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 101.321 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057804.D

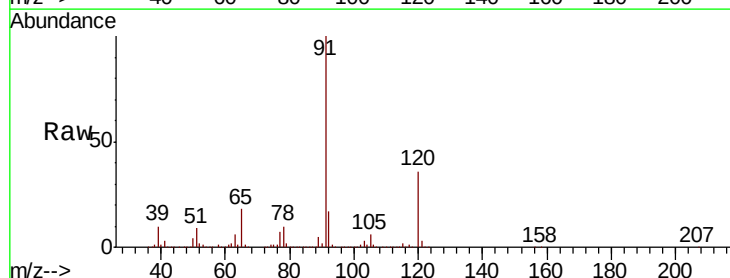
Acq: 9 Sep 2019 16:32

Tgt Ion: 91 Resp: 3916232

Ion Ratio Lower Upper

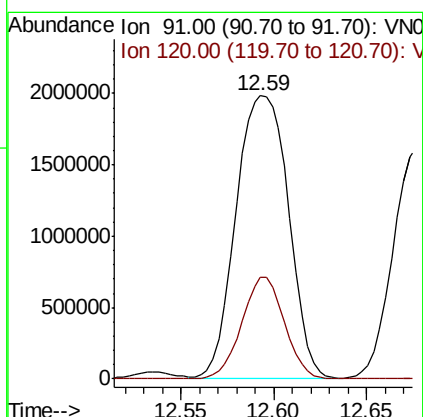
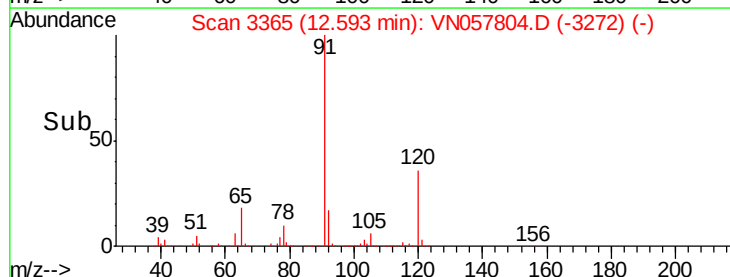
91 100

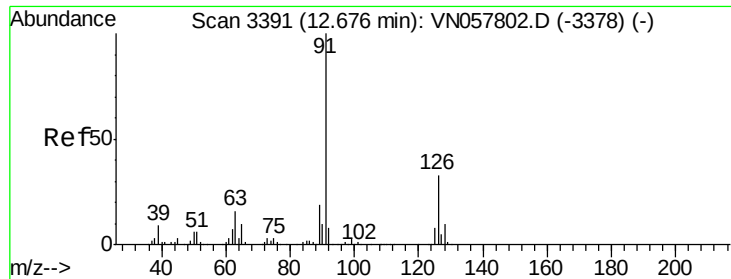
120 29.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 120.758 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2847069

Ion Ratio Lower Upper

91 100

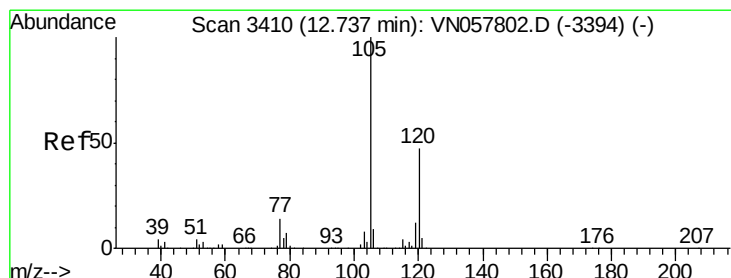
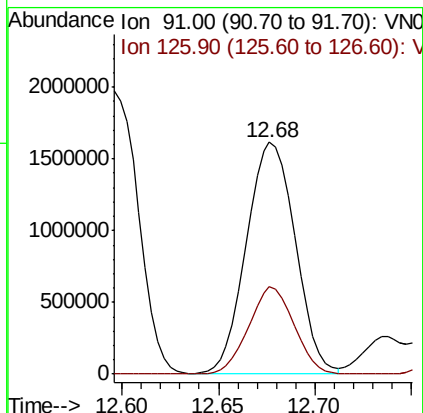
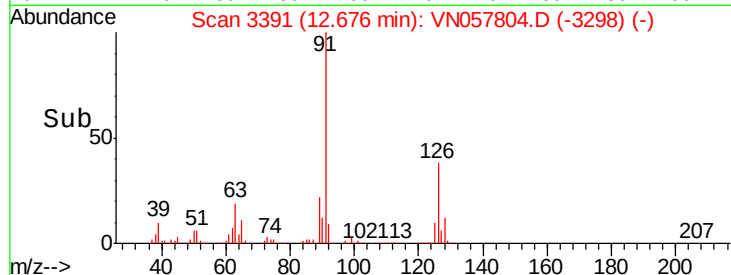
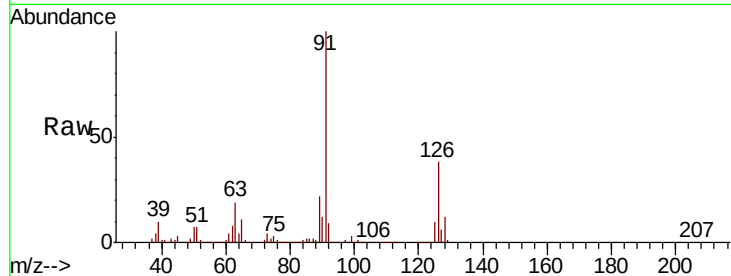
126 35.0 16.4 49.2

Manual Integrations

APPROVED

MMDadoda

9/10/2019 4:30:18 PM



#80

1,3,5-Trimethylbenzene

Concen: 115.843 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057804.D

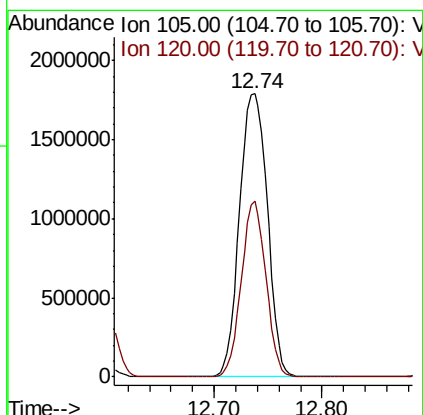
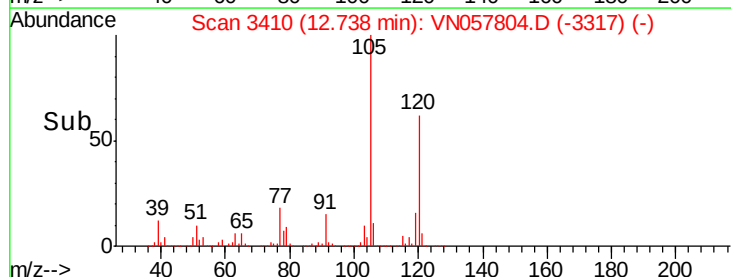
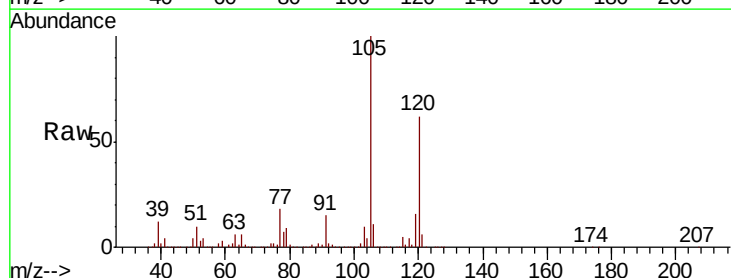
Acq: 9 Sep 2019 16:32

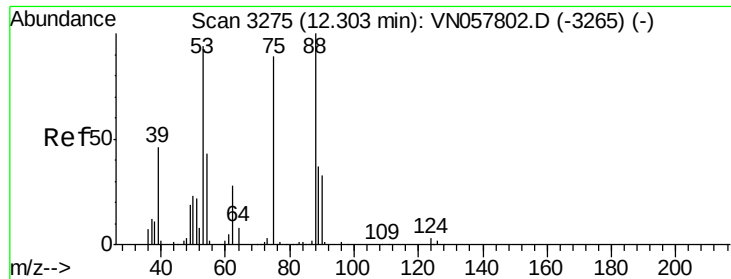
Tgt Ion:105 Resp: 3224021

Ion Ratio Lower Upper

105 100

120 54.8 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 162.395 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Instrument :

MSVOA_N

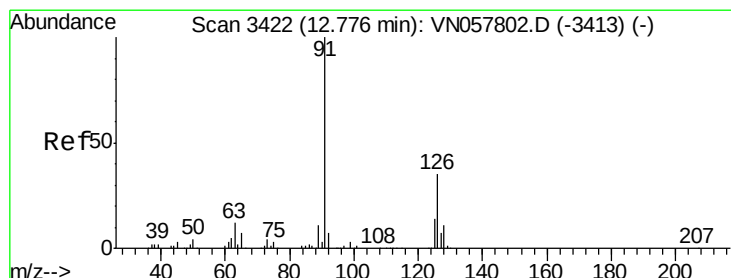
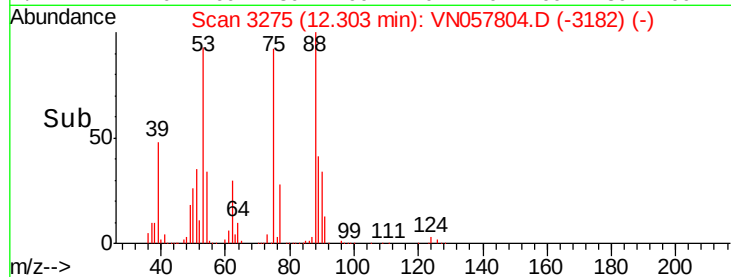
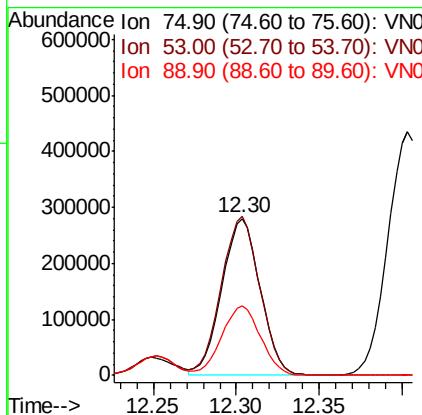
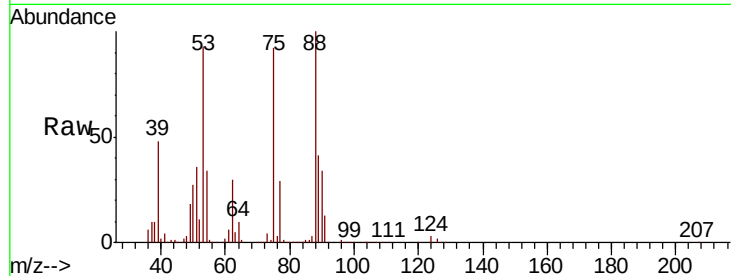
ClientSampled :

VSTDIC150

Tot Ion:	75	Resp:	446577
Ion	Ratio	Lower	Upper
75	100		
53	102.3	88.4	132.6
89	45.1	35.3	52.9

Manual Integrations
APPROVED

MMDadoda
9/10/2019 4:30:18 PM



#82

4-Chlorotoluene

Concen: 122.355 ug/l

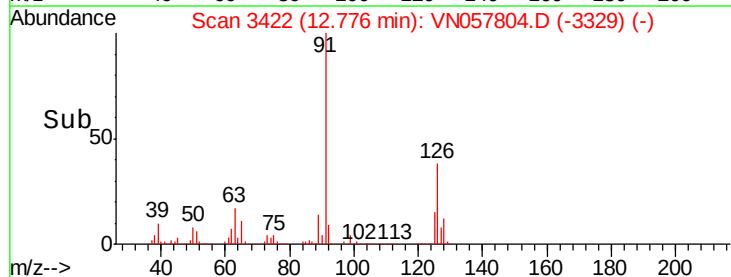
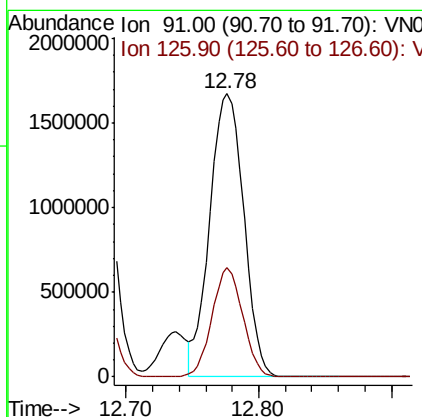
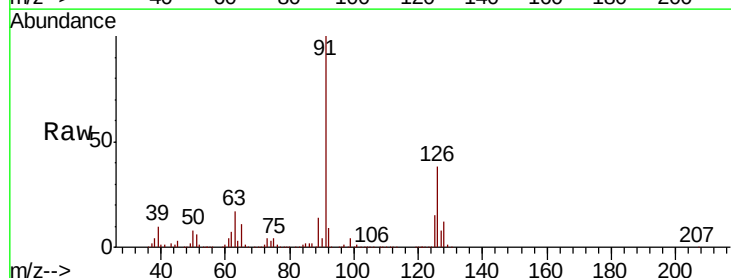
RT: 12.78 min Scan# 3422

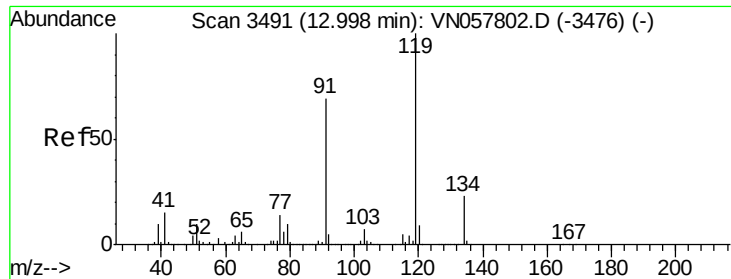
Delta R.T. 0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Tgt Ion:	91	Resp:	2978411
Ion	Ratio	Lower	Upper
91	100		
126	34.9	16.0	48.0





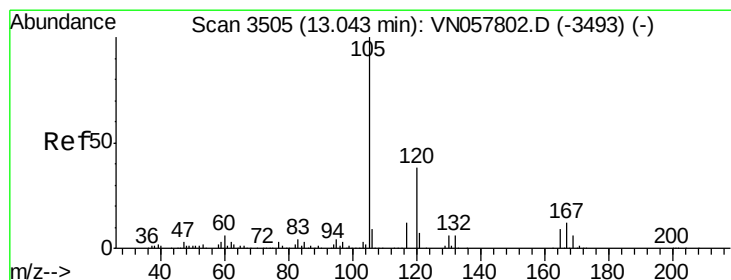
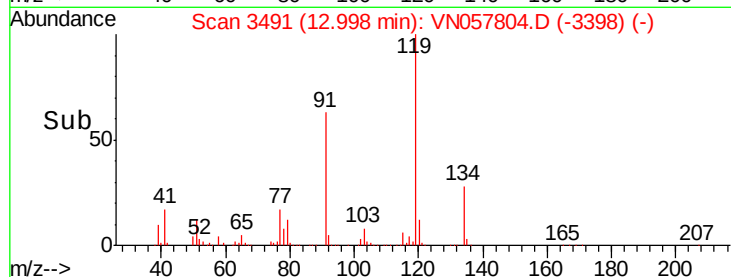
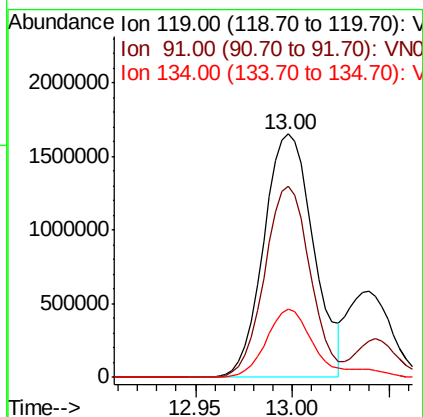
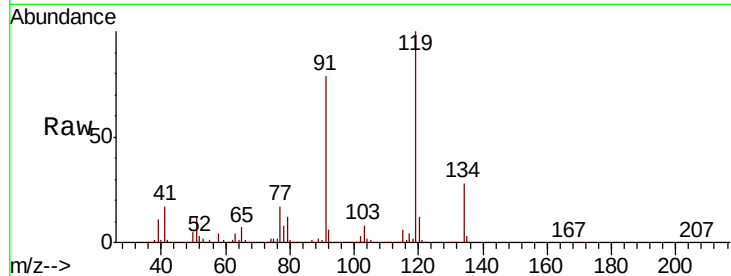
#83
tert-Butylbenzene
Concen: 125.405 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057804.D
Acq: 9 Sep 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 2967651
Ion Ratio Lower Upper
119 100
91 72.5 33.6 100.8
134 28.0 11.7 35.0

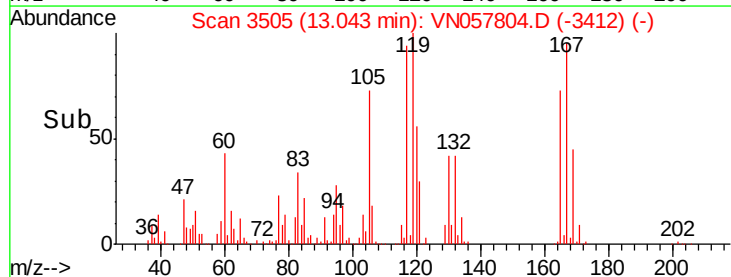
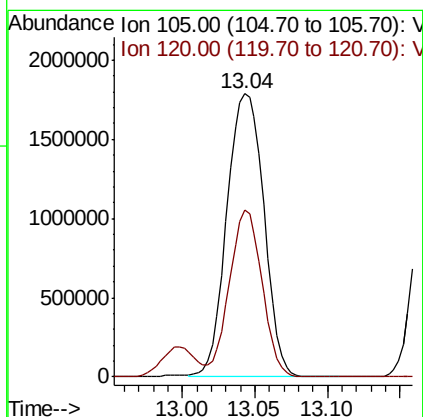
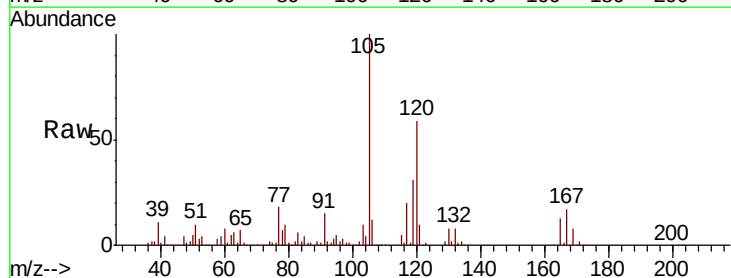
Manual Integrations
APPROVED

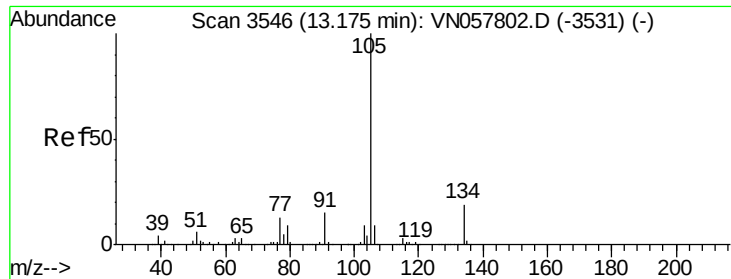
MMDadoda
9/10/2019 4:30:18 PM



#84
1,2,4-Trimethylbenzene
Concen: 114.655 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057804.D
Acq: 9 Sep 2019 16:32

Tgt Ion:105 Resp: 3164120
Ion Ratio Lower Upper
105 100
120 52.0 22.4 67.2





#85

sec-Butylbenzene

Concen: 110.165 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3575105

Ion Ratio Lower Upper

105 100

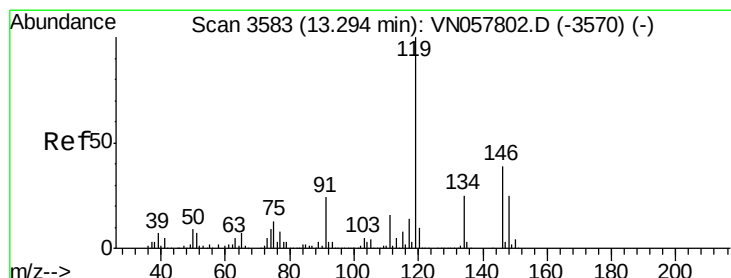
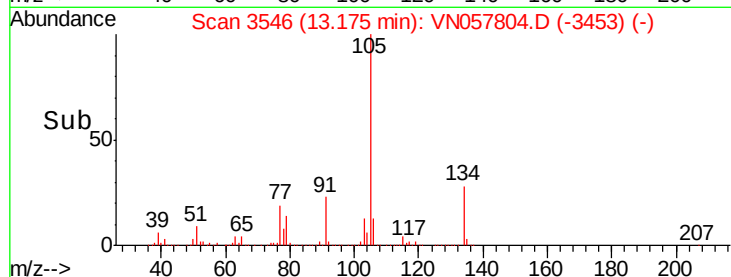
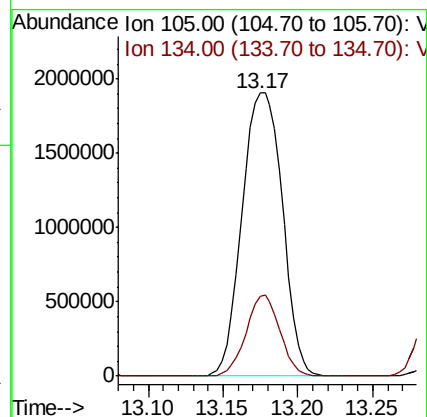
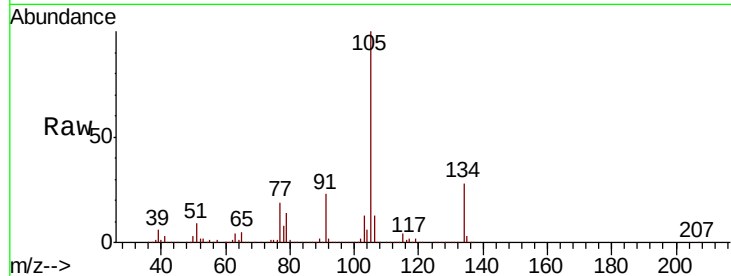
134 24.0 9.6 28.6

Manual Integrations

APPROVED

MMDadoda

9/10/2019 4:30:18 PM



#86

p-Isopropyltoluene

Concen: 118.543 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

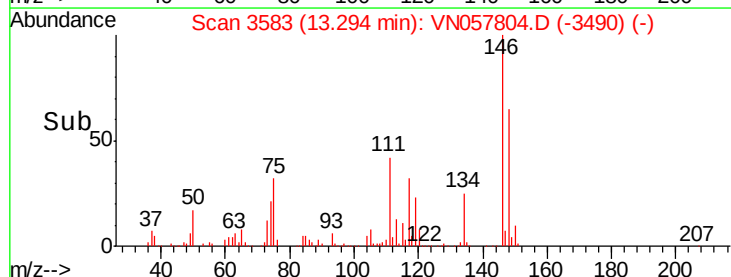
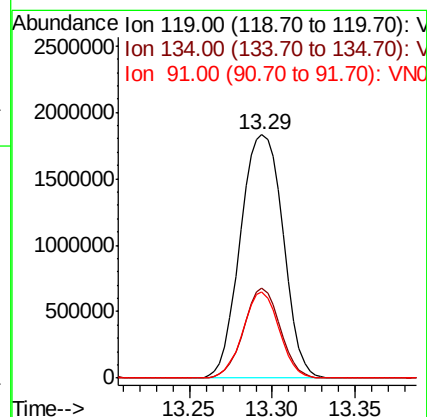
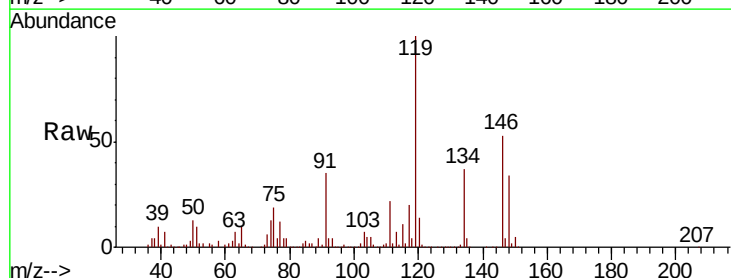
Tgt Ion:119 Resp: 3283051

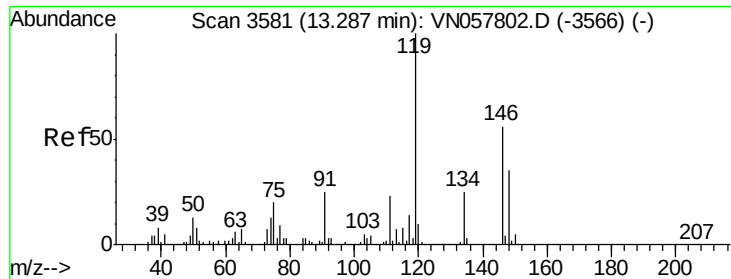
Ion Ratio Lower Upper

119 100

134 31.6 12.5 37.5

91 30.3 12.3 36.8





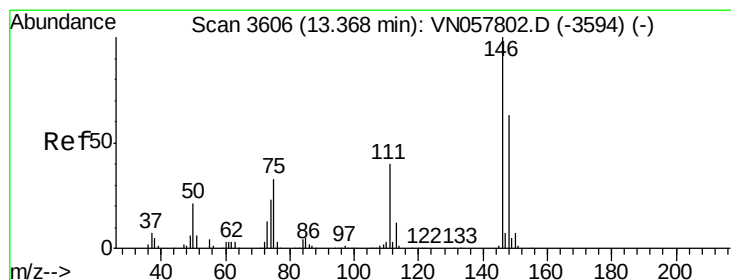
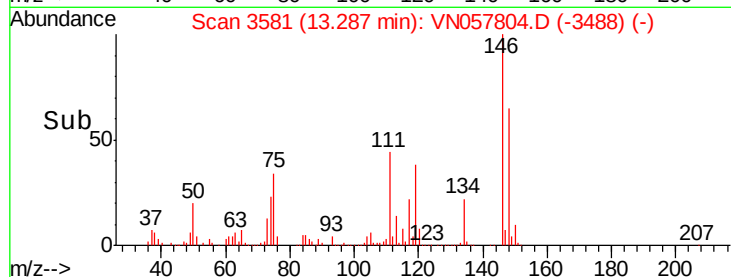
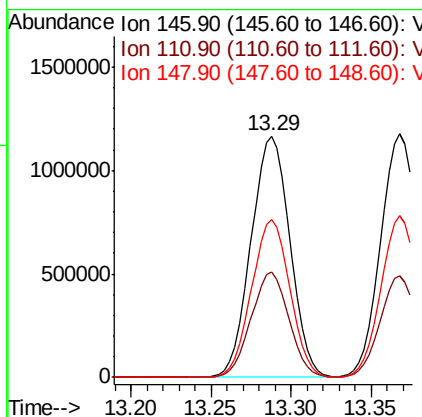
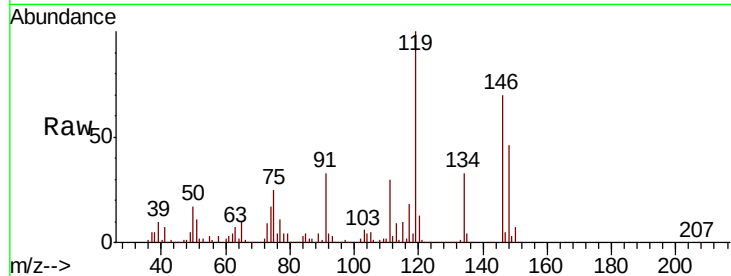
#87
 1,3-Dichlorobenzene
 Concen: 143.580 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057804.D
 Acq: 9 Sep 2019 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1946826
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.5 61.6
 148 64.4 31.5 94.5

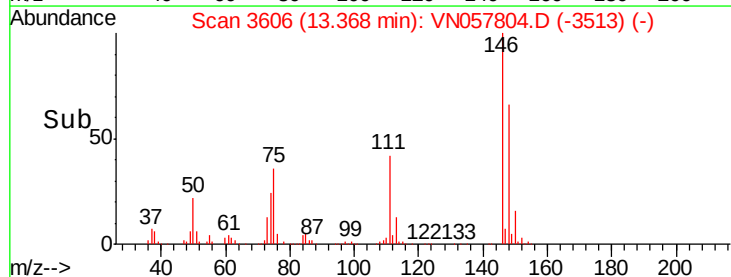
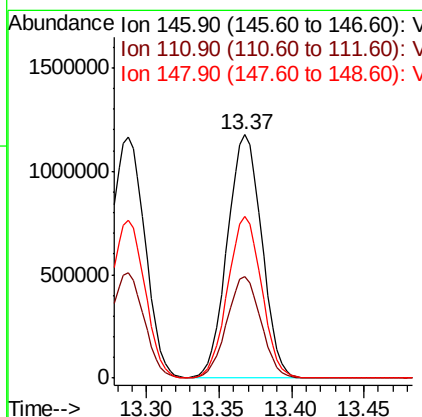
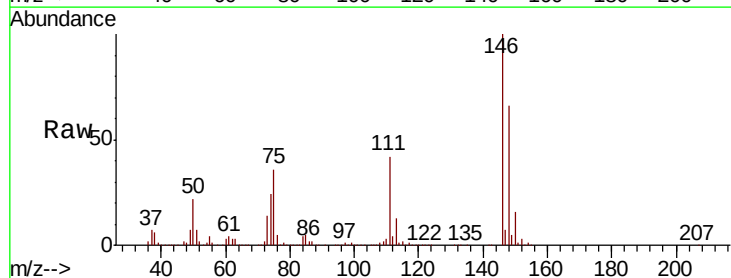
Manual Integrations
 APPROVED

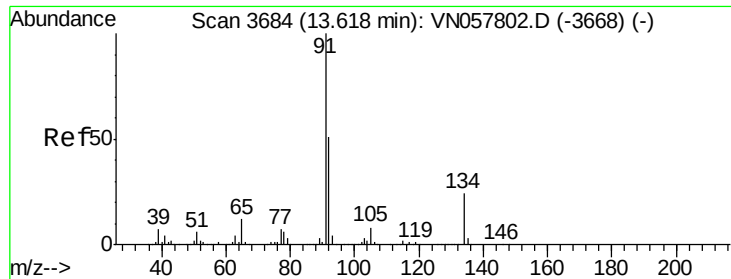
MMDadoda
 9/10/2019 4:30:18 PM



#88
 1,4-Dichlorobenzene
 Concen: 142.814 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057804.D
 Acq: 9 Sep 2019 16:32

Tgt Ion:146 Resp: 1936895
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.4 61.2
 148 65.3 31.8 95.4





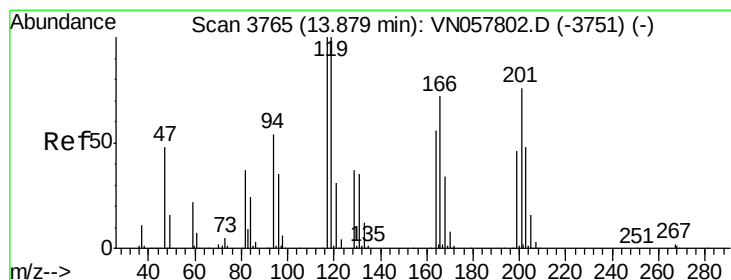
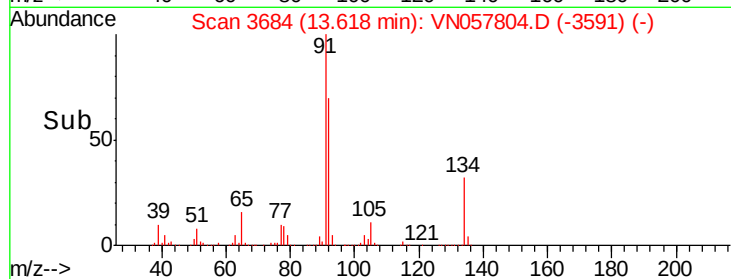
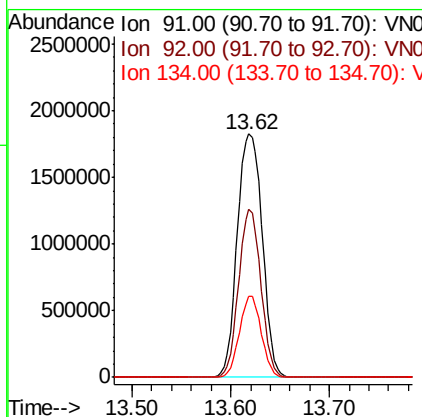
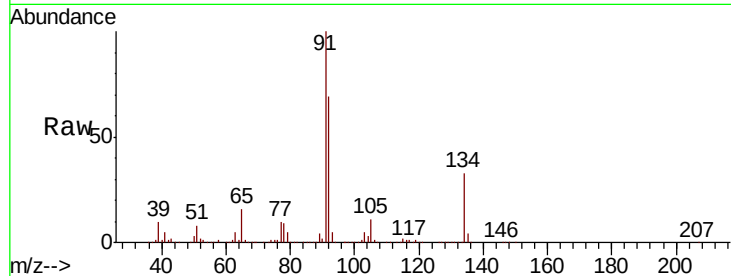
#89
n-Butylbenzene
Concen: 118.183 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057804.D
Acq: 9 Sep 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.3	25.7	77.0
134	29.2	11.9	35.7

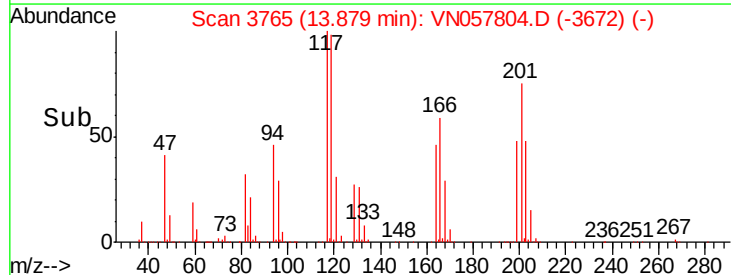
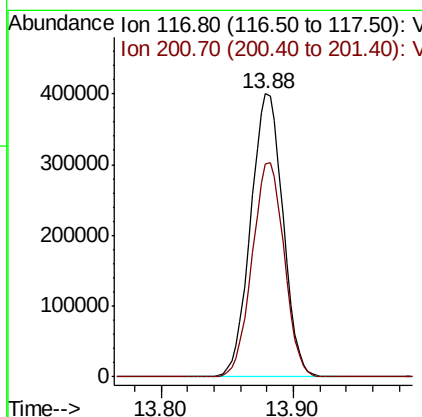
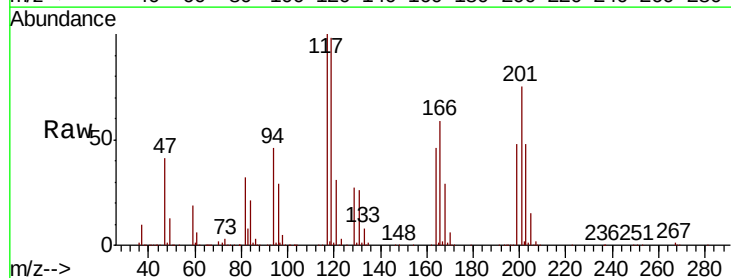
Manual Integrations
APPROVED

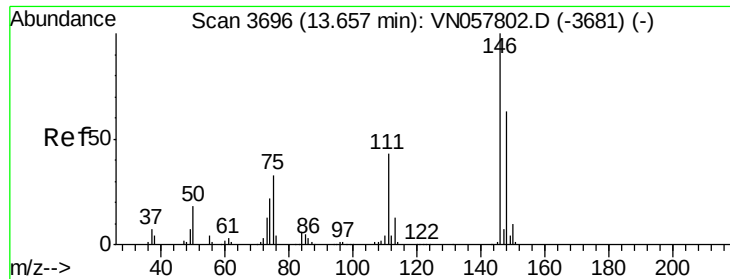
MMDadoda
9/10/2019 4:30:18 PM



#90
Hexachloroethane
Concen: 158.368 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057804.D
Acq: 9 Sep 2019 16:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.4	37.5	112.7





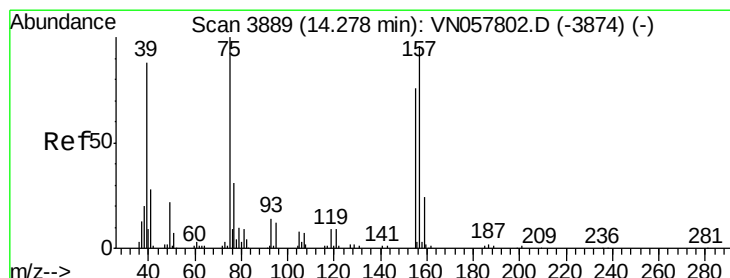
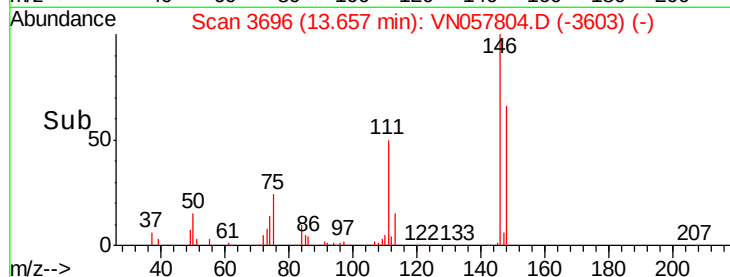
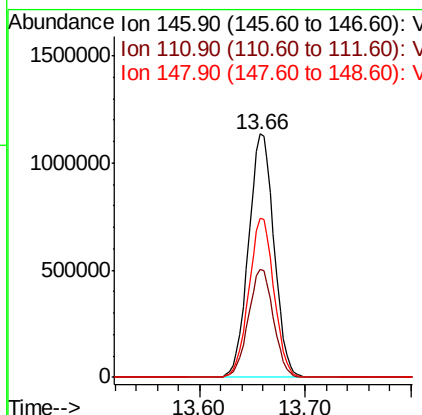
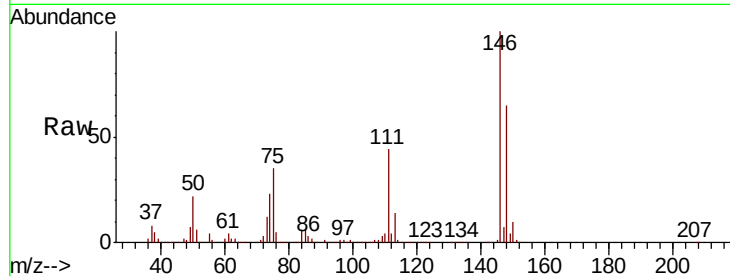
#91
 1,2-Dichlorobenzene
 Concen: 143.052 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057804.D
 Acq: 9 Sep 2019 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.3	63.9
148	64.6	31.4	94.3

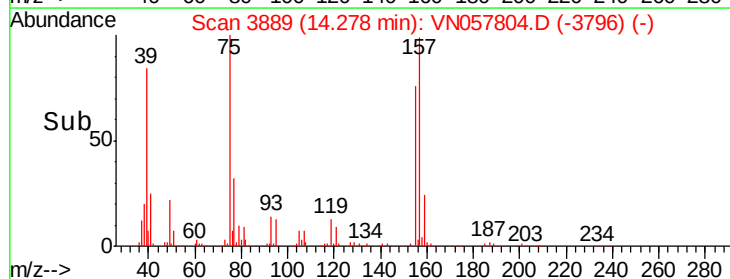
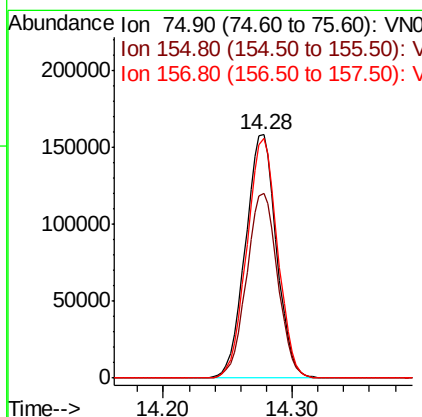
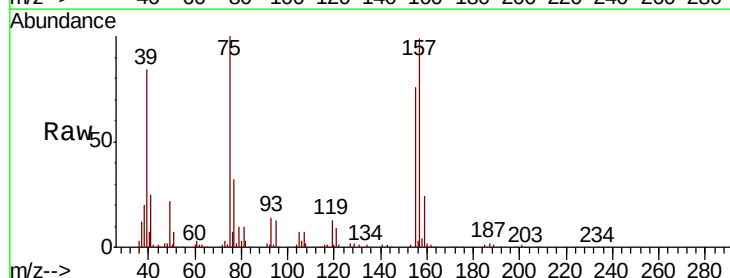
Manual Integrations
 APPROVED

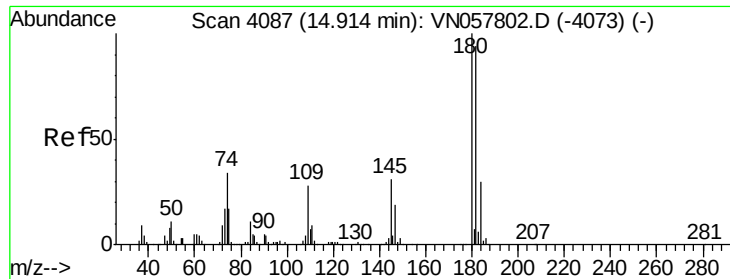
MMDadoda
 9/10/2019 4:30:18 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 137.848 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057804.D
 Acq: 9 Sep 2019 16:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.6	37.3	111.8
157	97.9	47.9	143.8





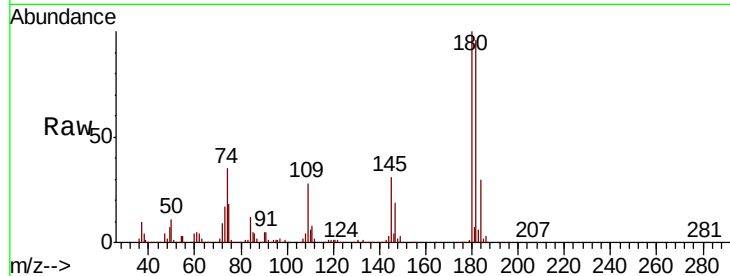
#93
 1,2,4-Trichlorobenzene
 Concen: 158.719 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057804.D
 Acq: 9 Sep 2019 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	46.9	140.8
145	30.7	14.9	44.7

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 4:30:18 PM

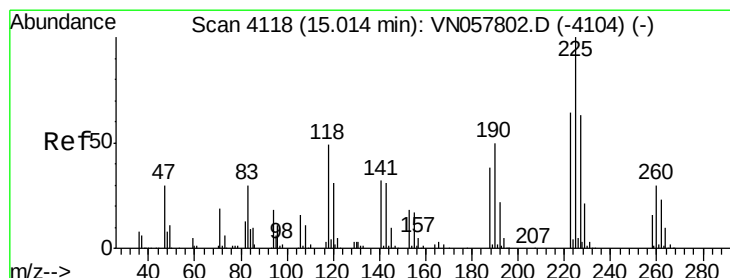
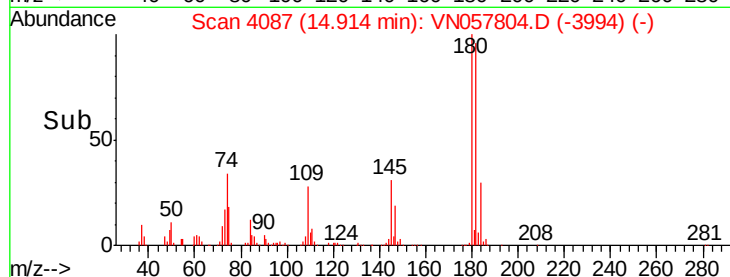
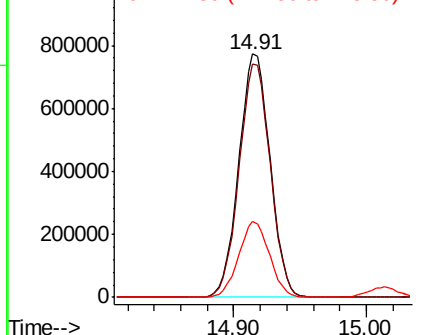


Abundance

Ion 179.80 (179.50 to 180.50): V

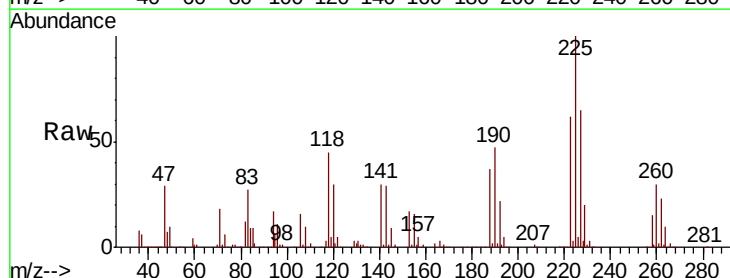
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 142.828 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057804.D
 Acq: 9 Sep 2019 16:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	32.4	97.2
227	63.6	31.8	95.4

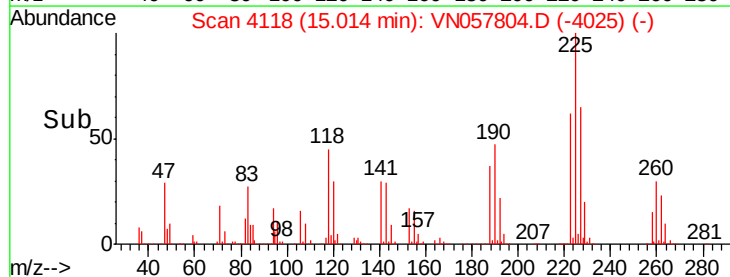
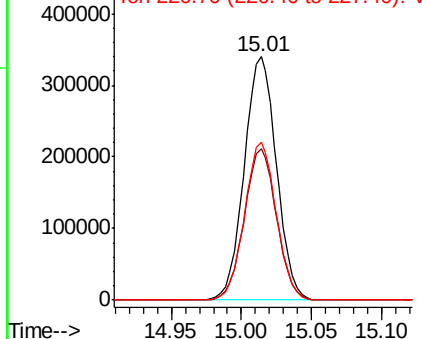


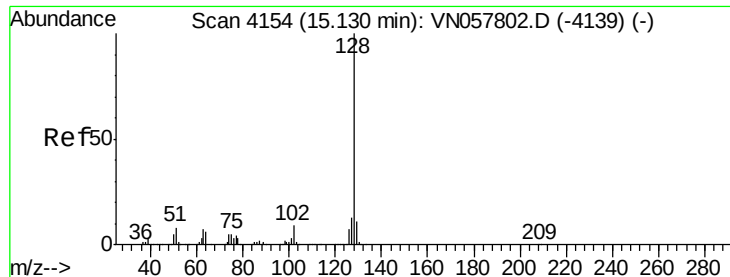
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 139.804 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 3233680

Ion Ratio Lower Upper

128 100

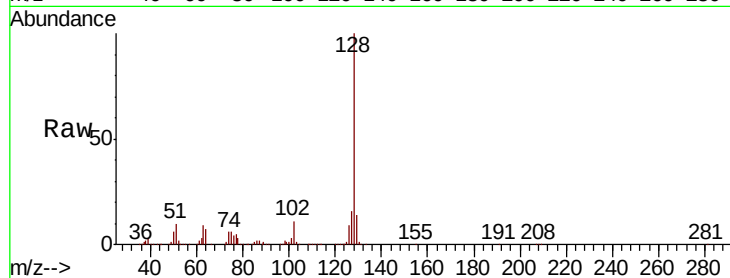
127 14.5 10.3 15.5

129 12.1 8.6 12.8

Manual Integrations
APPROVED

MMDadoda

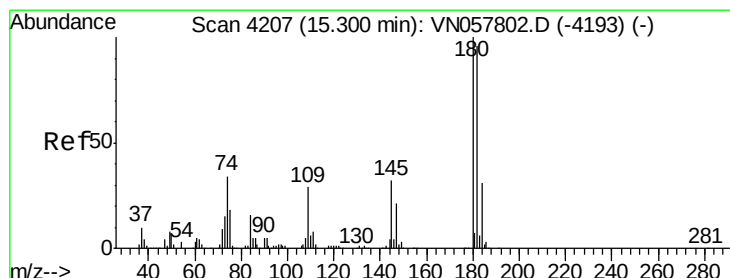
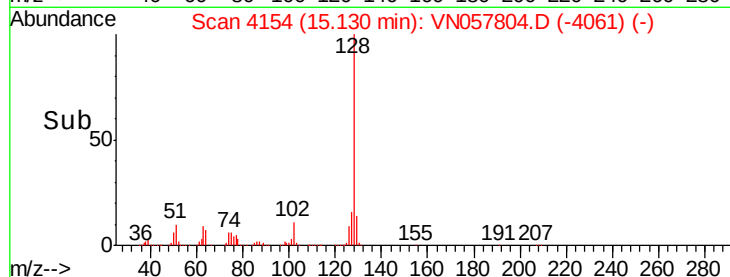
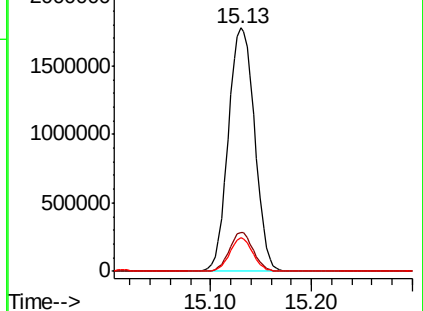
9/10/2019 4:30:18 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 158.089 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN057804.D

Acq: 9 Sep 2019 16:32

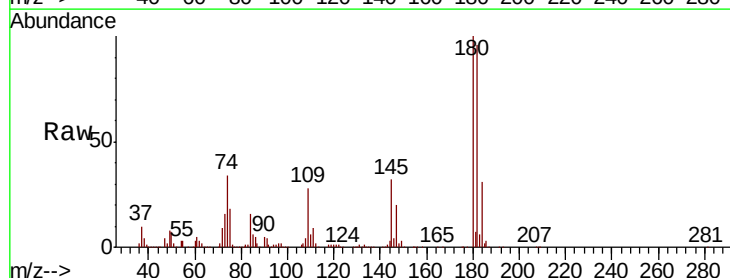
Tgt Ion:180 Resp: 1203164

Ion Ratio Lower Upper

180 100

182 96.1 48.3 144.8

145 32.3 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

