

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060563.D
 Acq On : 17 Mar 2020 18:27
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 7:00:36 PM

Quant Time: Mar 18 08:36:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:02:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	218498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	367360	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	332624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148522	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	14592	5.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.16%	
35) Dibromofluoromethane	7.57	113	10563	5.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.60%	
50) Toluene-d8	10.08	98	43374	4.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.80%	
62) 4-Bromofluorobenzene	12.40	95	15958	4.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.62%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	9579	4.685	ug/l	100
3) Chloromethane	2.03	50	19726	5.486	ug/l	97
4) Vinyl Chloride	2.16	62	15065	4.966	ug/l	97
5) Bromomethane	2.54	94	6518	4.859	ug/l	97
6) Chloroethane	2.68	64	8888	5.313	ug/l	96
7) Trichlorofluoromethane	3.00	101	18993	4.932	ug/l	96
8) Diethyl Ether	3.38	74	7610	5.179	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	11093	5.075	ug/l	99
10) Methyl Iodide	3.93	142	8520	4.324	ug/l	98
11) Tert butyl alcohol	4.74	59	10966	26.137	ug/l #	93
12) 1,1-Dichloroethene	3.71	96	11723	5.014	ug/l	96
13) Acrolein	3.58	56	11637	28.842	ug/l	98
14) Allyl chloride	4.30	41	21282	5.450	ug/l	95
15) Acrylonitrile	4.95	53	31650	28.013	ug/l	98
16) Acetone	3.78	43	26290	28.141	ug/l	100
17) Carbon Disulfide	4.03	76	35356	5.221	ug/l	99
18) Methyl Acetate	4.29	43	14632	4.780	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	41541	5.375	ug/l	99
20) Methylene Chloride	4.52	84	13502	5.329	ug/l	92
21) trans-1,2-Dichloroethene	5.01	96	12784	4.832	ug/l	97
22) Diisopropyl ether	5.92	45	43375	5.387	ug/l	98
23) Vinyl Acetate	5.86	43	176336	27.526	ug/l	100
24) 1,1-Dichloroethane	5.82	63	24137	5.337	ug/l	99
25) 2-Butanone	6.80	43	41868	27.754	ug/l	98
26) 2,2-Dichloropropane	6.80	77	19659	4.900	ug/l	80
27) cis-1,2-Dichloroethene	6.80	96	14335	4.911	ug/l	98
28) Bromochloromethane	7.17	49	11107	5.747	ug/l #	98
29) Tetrahydrofuran	7.18	42	29977	28.488	ug/l	99
30) Chloroform	7.35	83	23537	5.265	ug/l	98
31) Cyclohexane	7.63	56	27265	6.364	ug/l #	79
32) 1,1,1-Trichloroethane	7.55	97	19687	4.978	ug/l	98
36) 1,1-Dichloropropene	7.77	75	17450	4.897	ug/l	98
37) Ethyl Acetate	6.90	43	17715	5.218	ug/l	98
38) Carbon Tetrachloride	7.75	117	15516	4.557	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060563.D
 Acq On : 17 Mar 2020 18:27
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 7:00:36 PM

Quant Time: Mar 18 08:36:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:02:18 2020
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.07	83	20675	4.925	ug/l	96
40) Benzene	8.02	78	53545	5.172	ug/l	99
41) Methacrylonitrile	7.15	41	9180	5.943	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	18444	4.993	ug/l	98
43) Isopropyl Acetate	8.14	43	31200	5.279	ug/l	99
44) Trichloroethene	8.82	130	13612	4.775	ug/l	96
45) 1,2-Dichloropropane	9.10	63	13767	5.093	ug/l	99
46) Dibromomethane	9.19	93	8496	4.883	ug/l	98
47) Bromodichloromethane	9.39	83	17783	5.028	ug/l	97
48) Methyl methacrylate	9.18	41	13110	4.871	ug/l	97
49) 1,4-Dioxane	9.18	88	3428	91.864	ug/l	94
51) 4-Methyl-2-Pentanone	9.97	43	87450	26.045	ug/l	100
52) Toluene	10.14	92	32077	4.960	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	19893	4.597	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	22268	4.952	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	12222	4.724	ug/l	98
56) Ethyl methacrylate	10.42	69	17709	4.721	ug/l	98
57) 1,3-Dichloropropane	10.70	76	22095	5.209	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	46488	23.796	ug/l	99
59) 2-Hexanone	10.74	43	62487	25.374	ug/l	98
60) Dibromochloromethane	10.89	129	12155	4.622	ug/l	97
61) 1,2-Dibromoethane	11.00	107	12302	4.864	ug/l	100
64) Tetrachloroethene	10.62	164	13856	4.709	ug/l	99
65) Chlorobenzene	11.43	112	32693	4.848	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	11979	4.835	ug/l	99
67) Ethyl Benzene	11.50	91	61226	4.963	ug/l	100
68) m/p-Xylenes	11.62	106	45208	9.717	ug/l	99
69) o-Xylene	11.94	106	21971	4.956	ug/l	98
70) Styrene	11.96	104	32923	4.521	ug/l	99
71) Bromoform	12.12	173	8349	4.646	ug/l #	97
73) Isopropylbenzene	12.25	105	57439	5.171	ug/l	99
74) N-amyl acetate	12.07	43	24081	4.906	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	17089	5.576	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	18255m	5.623	ug/l	
77) Bromobenzene	12.52	156	13847	5.103	ug/l	97
78) n-propylbenzene	12.59	91	67112	5.142	ug/l	100
79) 2-Chlorotoluene	12.67	91	40738	5.300	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	48603	5.195	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	5868	4.914	ug/l	99
82) 4-Chlorotoluene	12.77	91	41002	5.071	ug/l	100
83) tert-Butylbenzene	12.99	119	41107	5.110	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	47320	5.020	ug/l	98
85) sec-Butylbenzene	13.17	105	54119	5.013	ug/l	100
86) p-Isopropyltoluene	13.28	119	47813	4.796	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	23595	4.648	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	23719	4.683	ug/l	94
89) n-Butylbenzene	13.61	91	41764	4.566	ug/l	99
90) Hexachloroethane	13.87	117	6692	4.644	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	23109	4.868	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3579	5.226	ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
Data File : VN060563.D
Acq On : 17 Mar 2020 18:27
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:36 PM

Quant Time: Mar 18 08:36:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:02:18 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	13000	3.891	ug/l	99
94) Hexachlorobutadiene	15.01	225	6959	4.387	ug/l	99
95) Naphthalene	15.13	128	37527	3.891	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	12722	4.046	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 218498

Ion Ratio Lower Upper

168 100

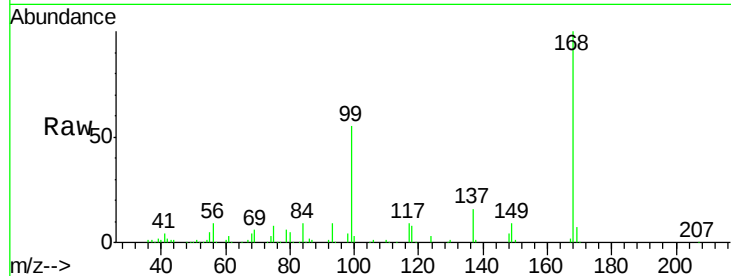
99 55.2 44.0 66.0

Manual Integrations

APPROVED

MMDadoda

3/18/2020 7:00:36 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

100000

80000

60000

40000

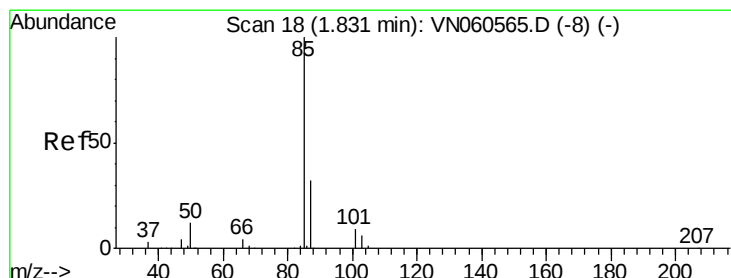
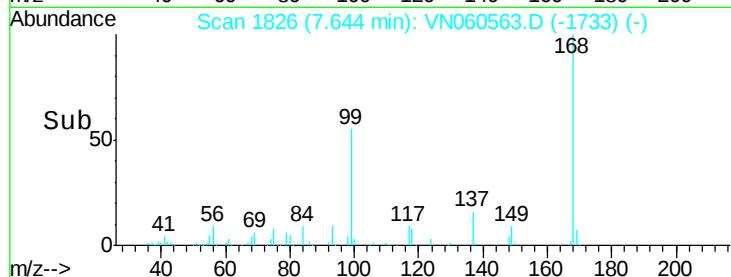
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 4.685 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060563.D

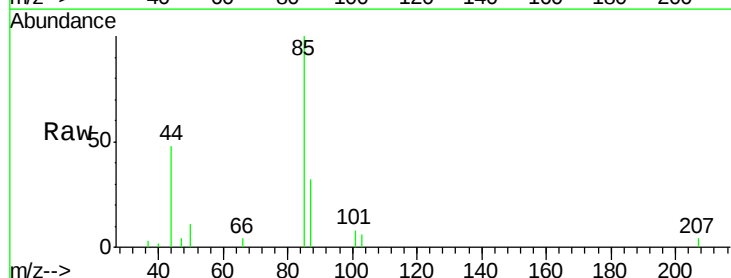
Acq: 17 Mar 2020 18:27

Tgt Ion: 85 Resp: 9579

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

8000

6000

4000

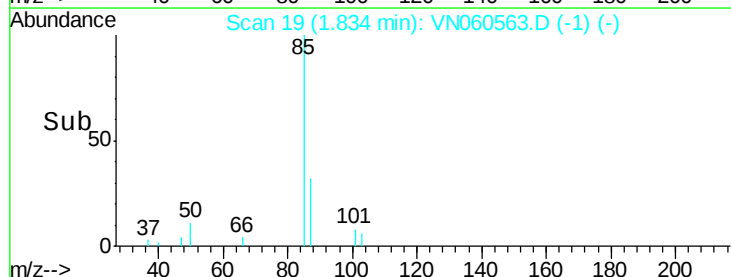
2000

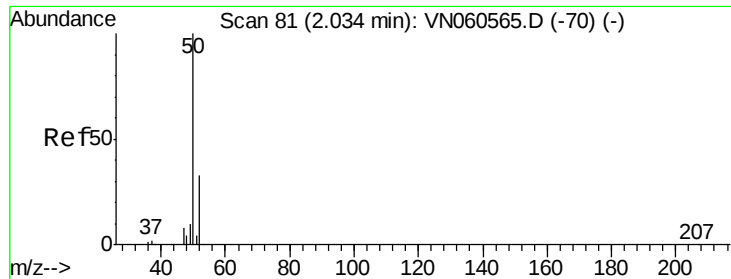
0

1.80

1.85

Time-->





#3

Chloromethane

Concen: 5.486 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 19726

Ion Ratio Lower Upper

50 100

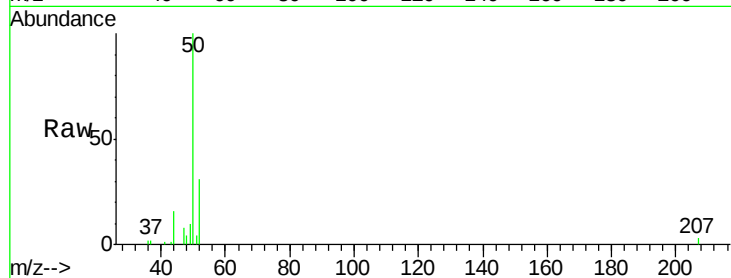
52 31.2 26.2 39.2

Manual Integrations

APPROVED

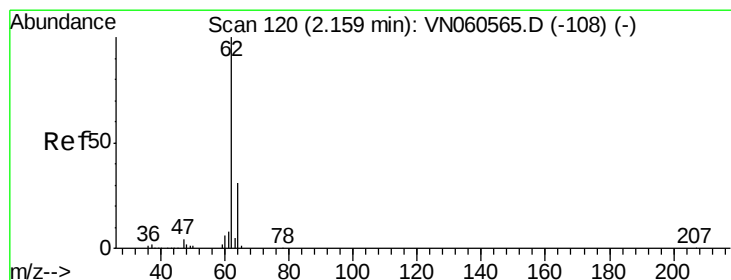
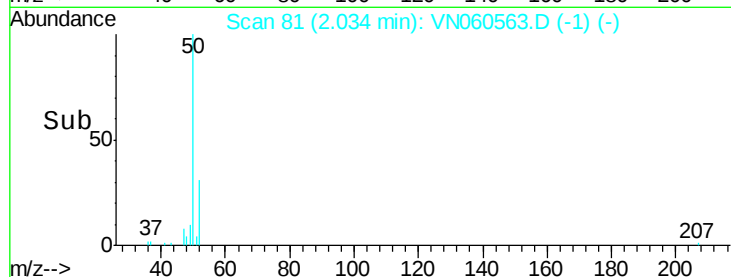
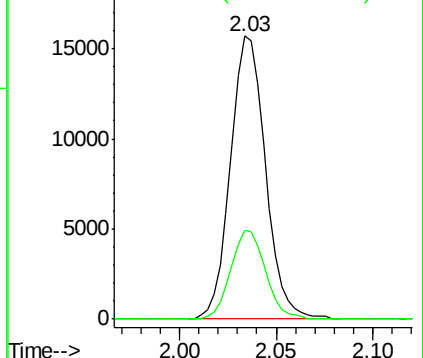
MMDadoda

3/18/2020 7:00:36 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 4.966 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060563.D

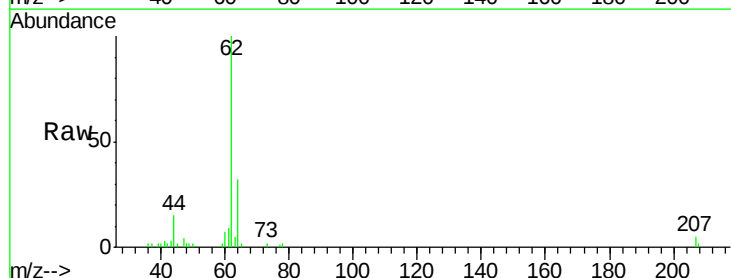
Acq: 17 Mar 2020 18:27

Tgt Ion: 62 Resp: 15065

Ion Ratio Lower Upper

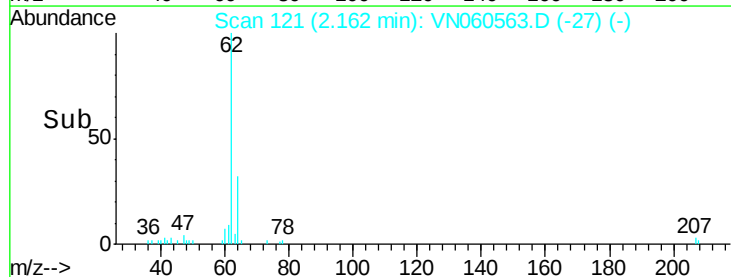
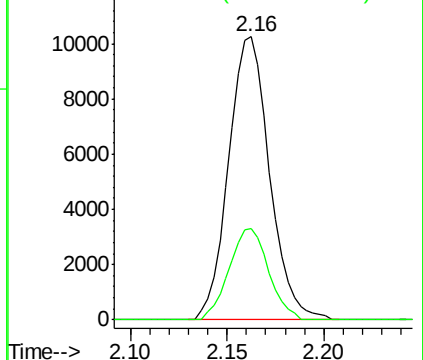
62 100

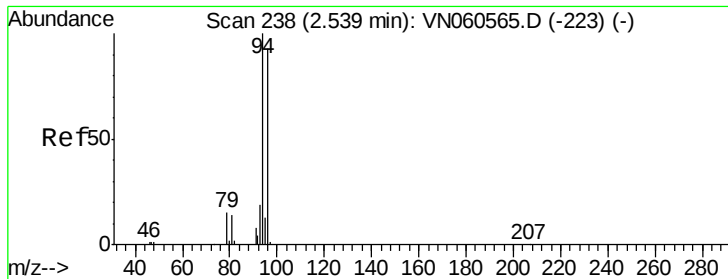
64 32.3 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 4.859 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 6518

Ion Ratio Lower Upper

94 100

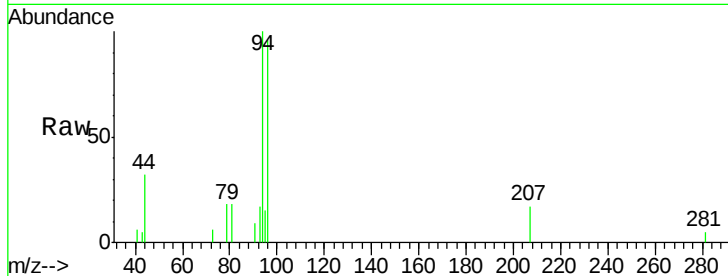
96 95.9 74.6 112.0

Manual Integrations

APPROVED

MMDadoda

3/18/2020 7:00:36 PM



Abundance Ion 93.90 (93.60 to 94.60): VN060563.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN060563.D (-145) (-)

2.54

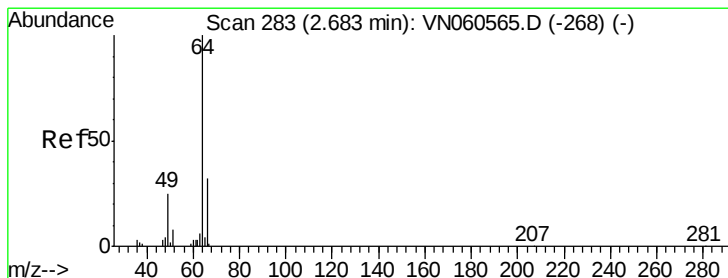
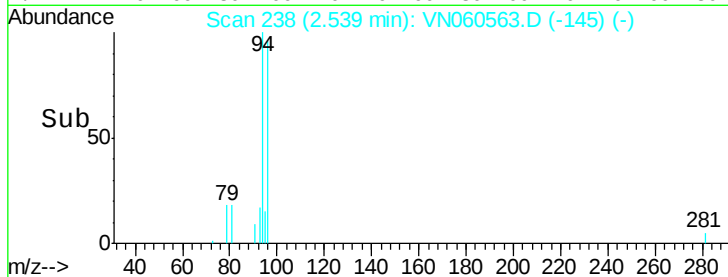
3000

2000

1000

0

Time-->



#6

Chloroethane

Concen: 5.313 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060563.D

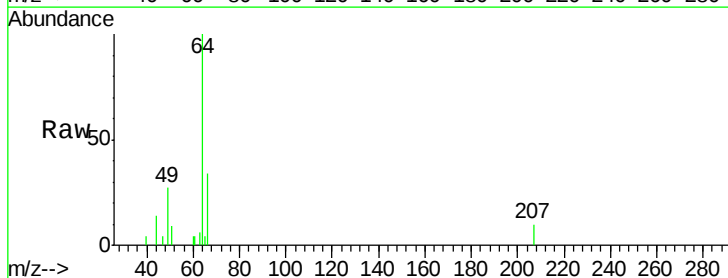
Acq: 17 Mar 2020 18:27

Tgt Ion: 64 Resp: 8888

Ion Ratio Lower Upper

64 100

66 33.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN060563.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN060563.D (-190) (-)

2.68

5000

4000

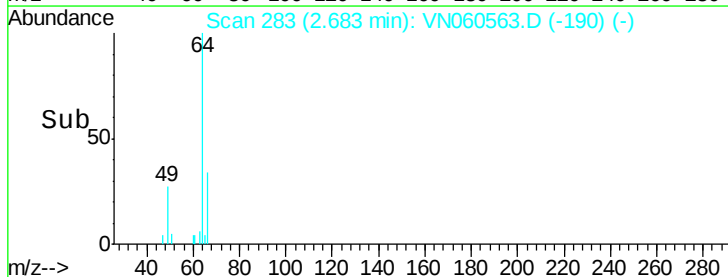
3000

2000

1000

0

Time-->





#7

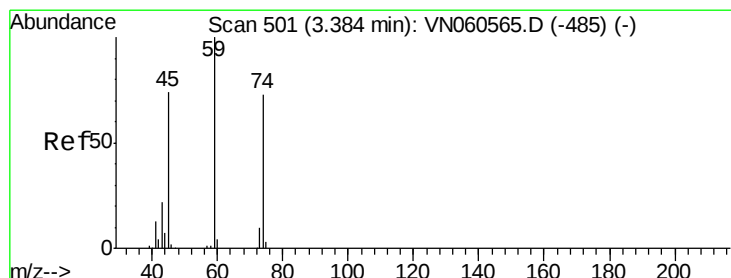
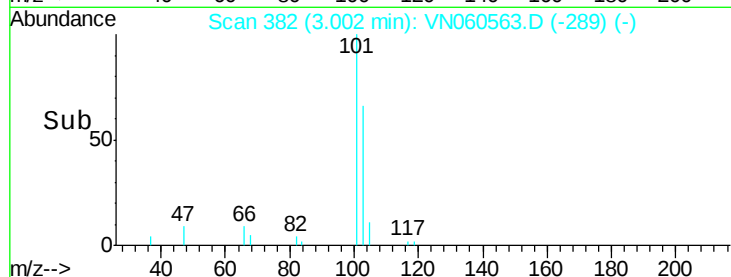
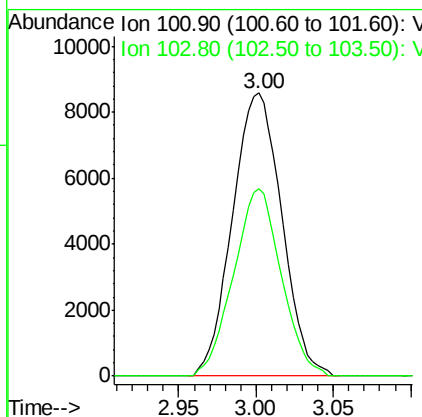
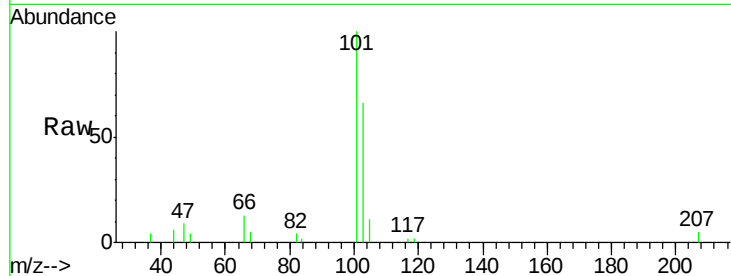
Trichlorofluoromethane
Concen: 4.932 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	50.6	76.0

Manual Integrations
APPROVED

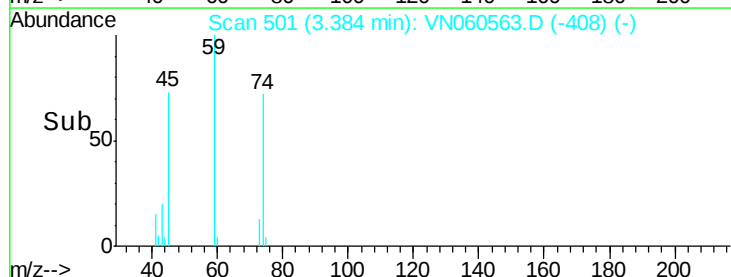
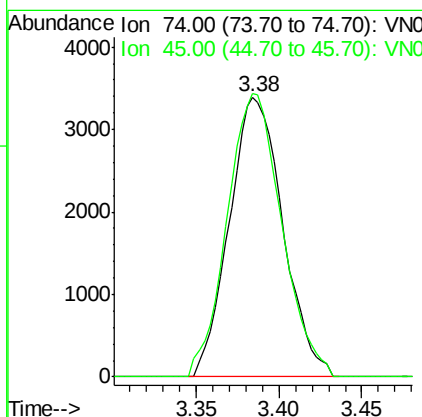
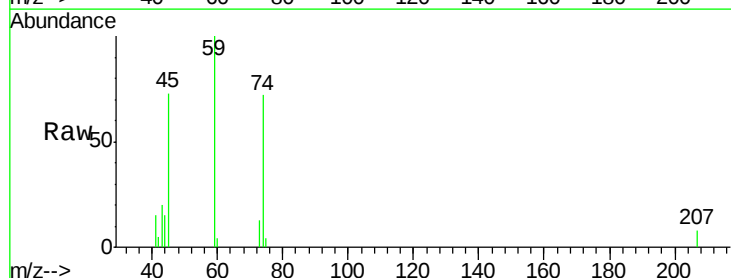
MMDadoda
3/18/2020 7:00:36 PM



#8

Diethyl Ether
Concen: 5.179 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.1	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.075 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

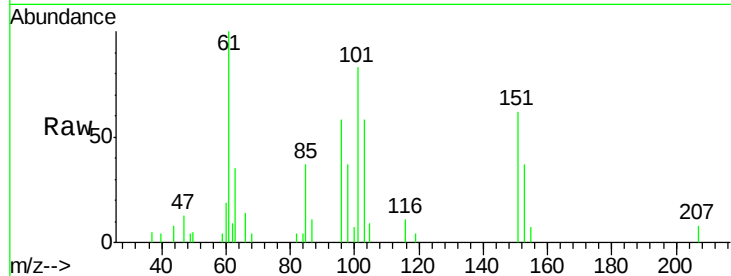
ClientSampleId :

VSTDIC005

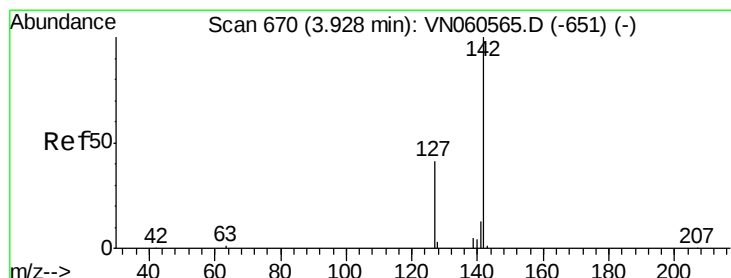
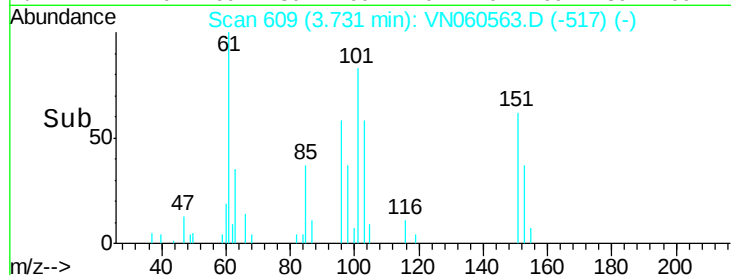
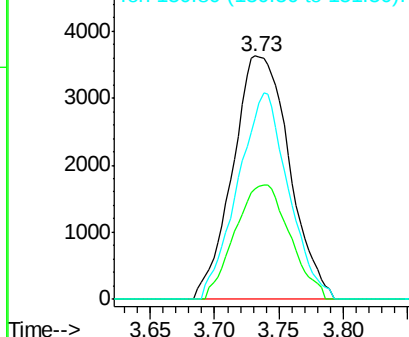
Tot Ion:	101	Resp:	11093
Ion Ratio	Lower	Upper	
101	100		
85	45.4	35.6	53.4
151	76.1	61.4	92.2

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:36 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: 4.324 ug/l

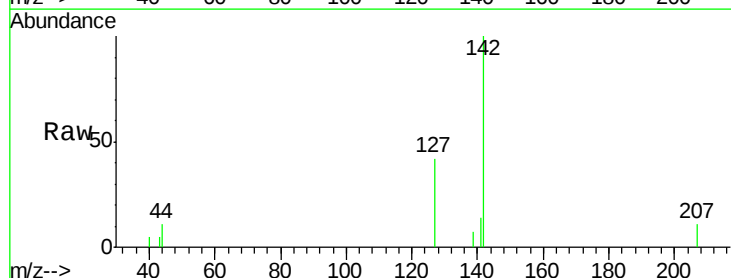
RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

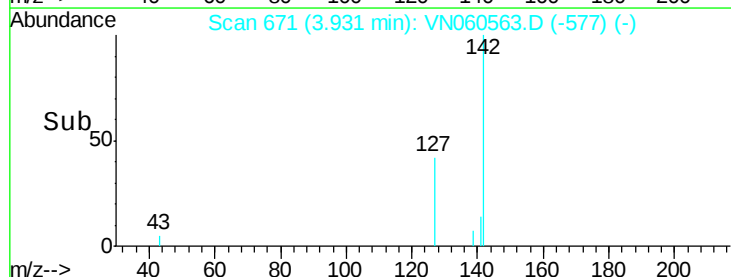
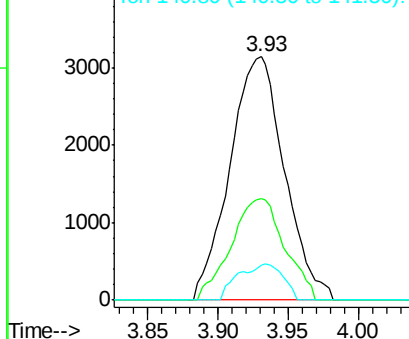
Lab File: VN060563.D

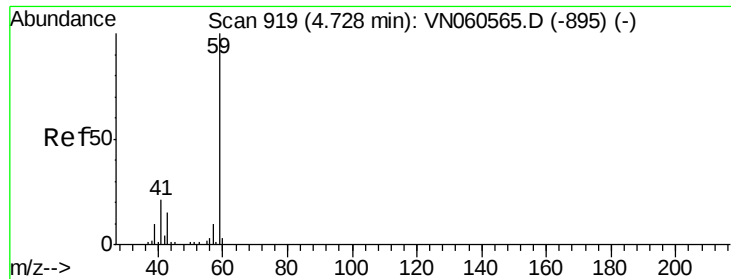
Acq: 17 Mar 2020 18:27

Tgt Ion:	142	Resp:	8520
Ion Ratio	Lower	Upper	
142	100		
127	40.7	33.5	50.3
141	12.2	11.0	16.6



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





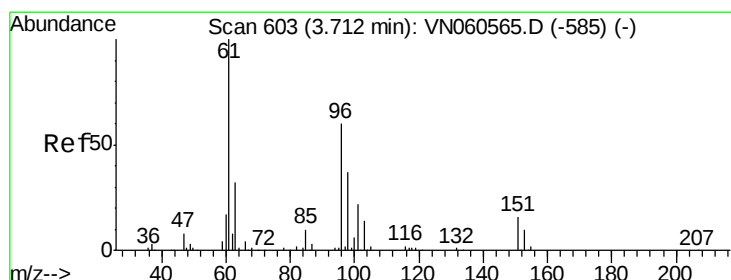
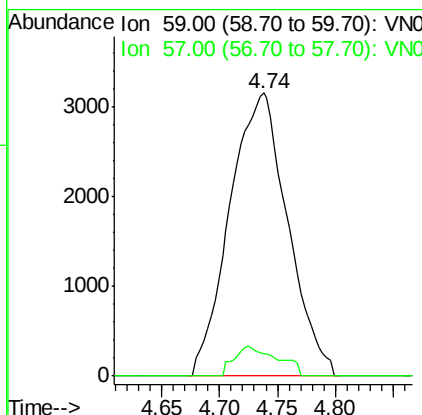
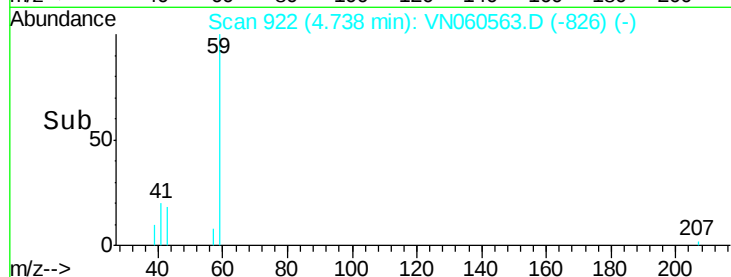
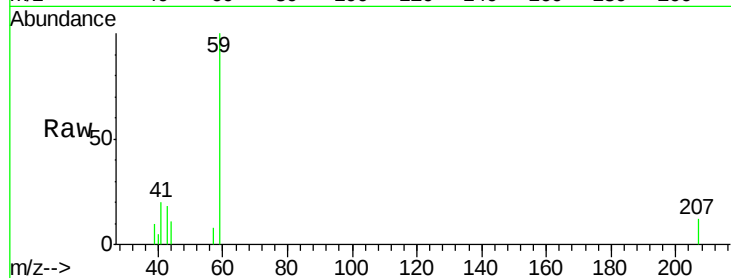
#11
Tert butyl alcohol
Concen: 26.137 ug/l
RT: 4.74 min Scan# 922
Delta R.T. 0.01 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 10966
Ion Ratio Lower Upper
59 100
57 7.9 8.2 12.4#

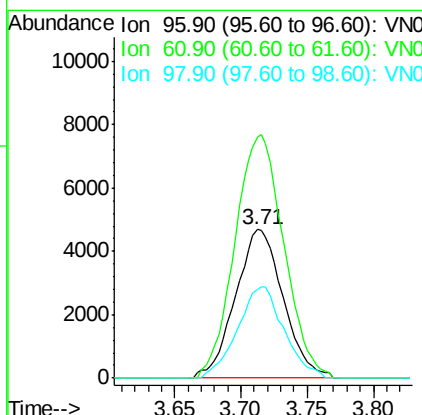
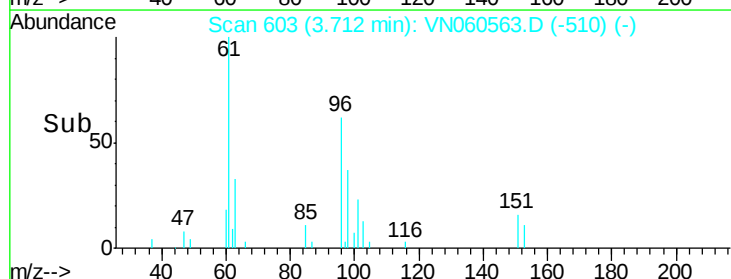
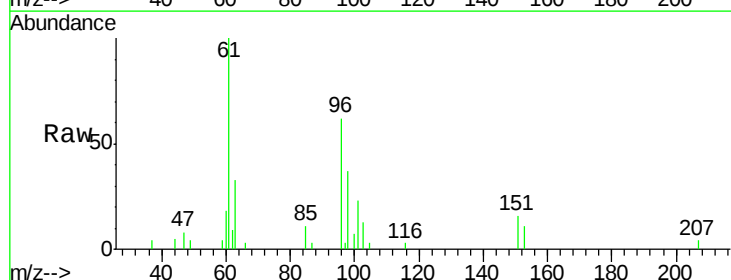
Manual Integrations
APPROVED

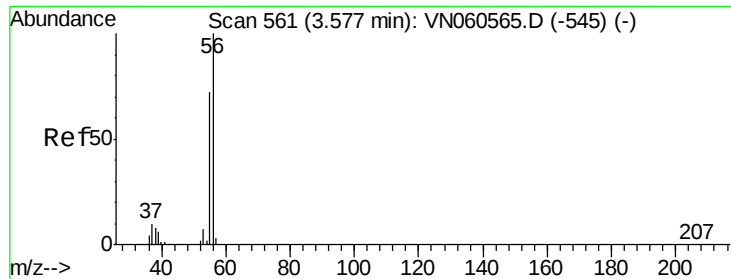
MMDadoda
3/18/2020 7:00:36 PM



#12
1,1-Dichloroethene
Concen: 5.014 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion: 96 Resp: 11723
Ion Ratio Lower Upper
96 100
61 162.4 134.1 201.1
98 59.3 49.9 74.9





#13

Acrolein

Concen: 28.842 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 11637

Ion Ratio Lower Upper

56 100

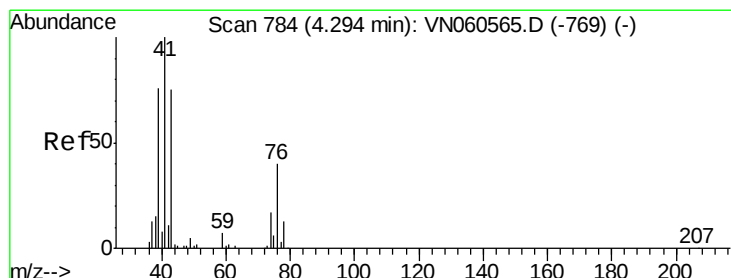
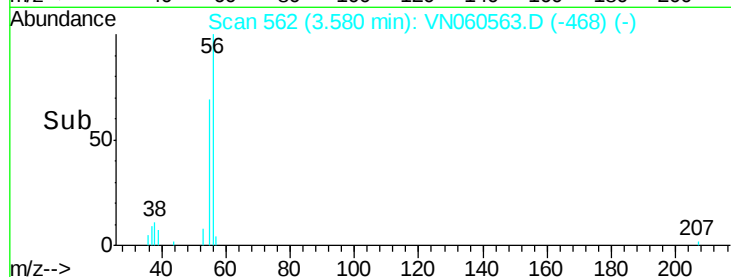
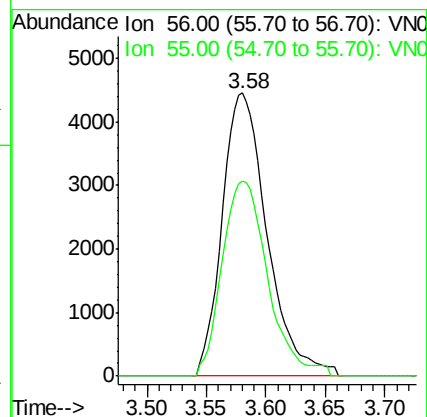
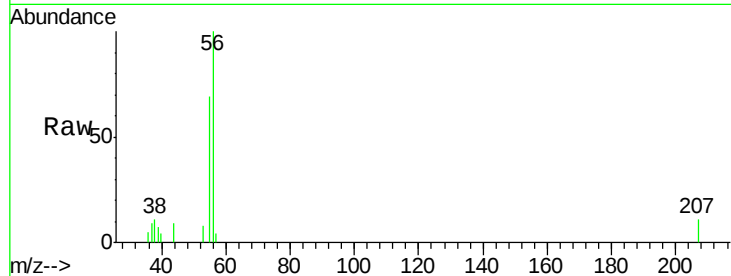
55 69.0 56.7 85.1

Manual Integrations

APPROVED

MMDadoda

3/18/2020 7:00:36 PM



#14

Allyl chloride

Concen: 5.450 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

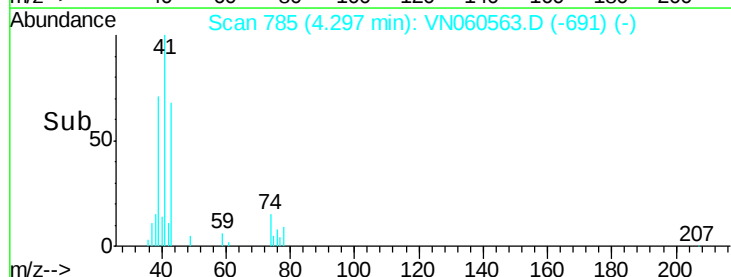
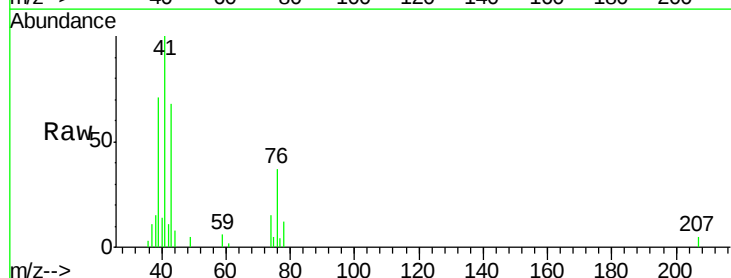
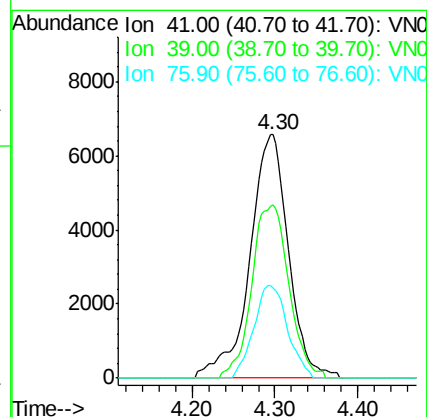
Tgt Ion: 41 Resp: 21282

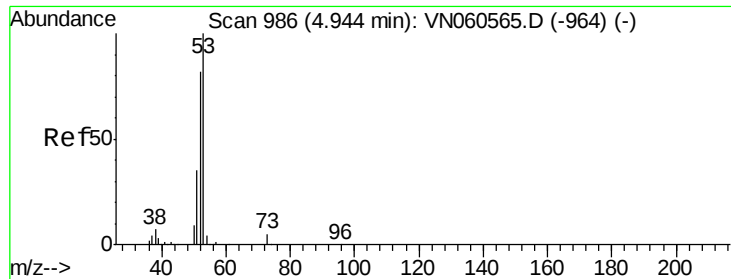
Ion Ratio Lower Upper

41 100

39 68.4 57.8 86.8

76 33.1 28.6 43.0





#15

Acrylonitrile

Concen: 28.013 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

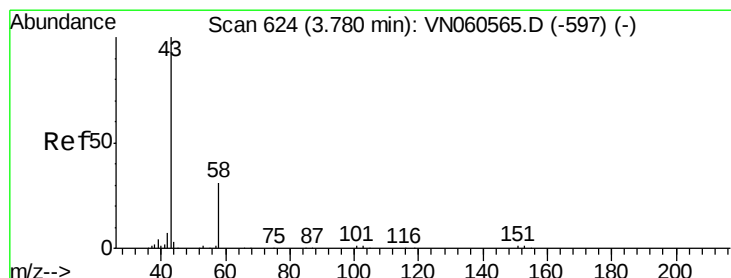
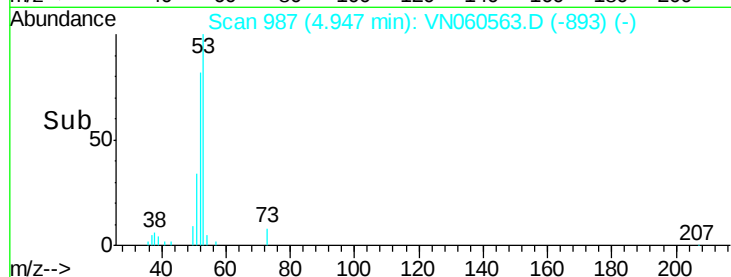
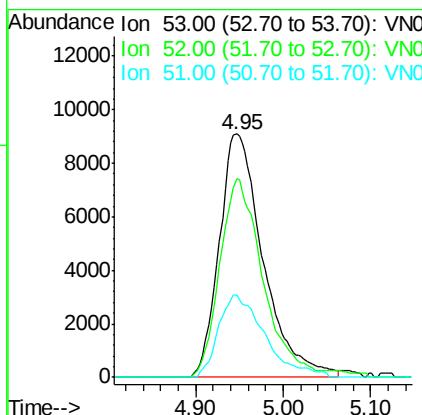
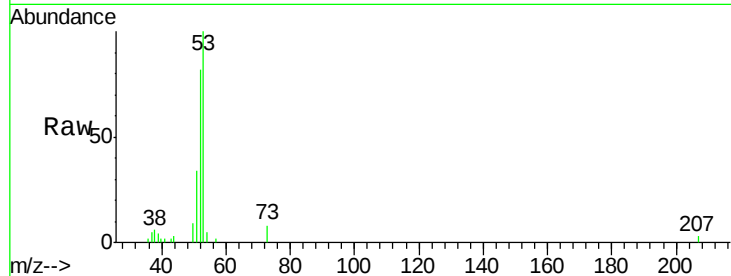
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	31650
Ion	Ratio	Lower	Upper
53	100		
52	79.7	66.2	99.4
51	35.7	28.7	43.1

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:36 PM



#16

Acetone

Concen: 28.141 ug/l

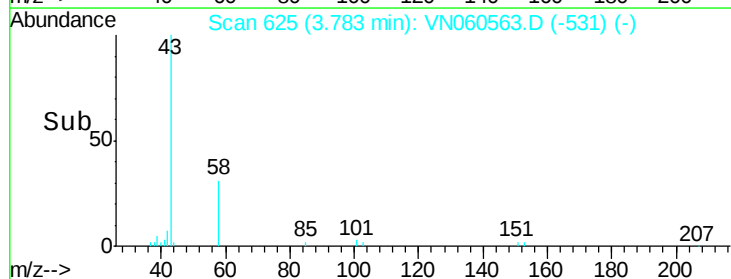
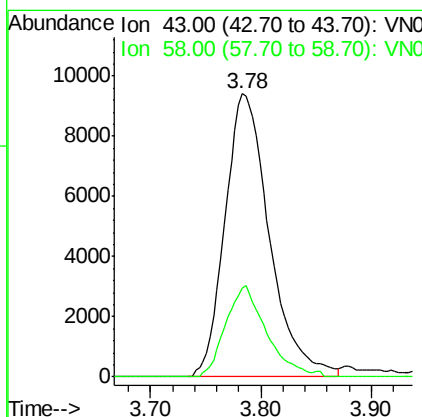
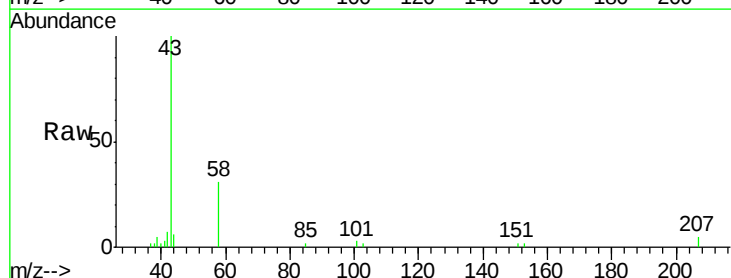
RT: 3.78 min Scan# 625

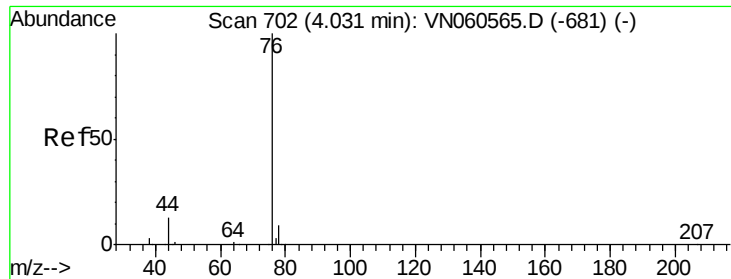
Delta R.T. 0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Tgt Ion:	43	Resp:	26290
Ion	Ratio	Lower	Upper
43	100		
58	31.4	25.1	37.7





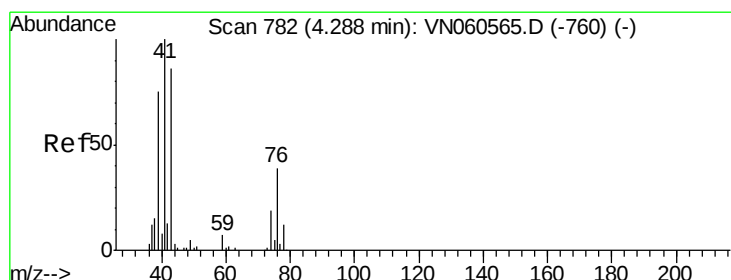
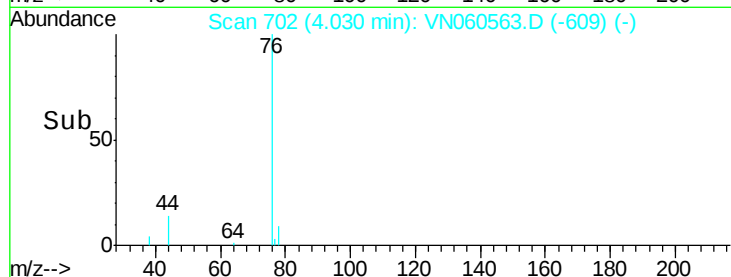
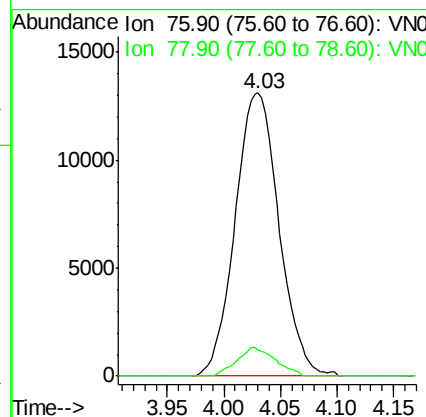
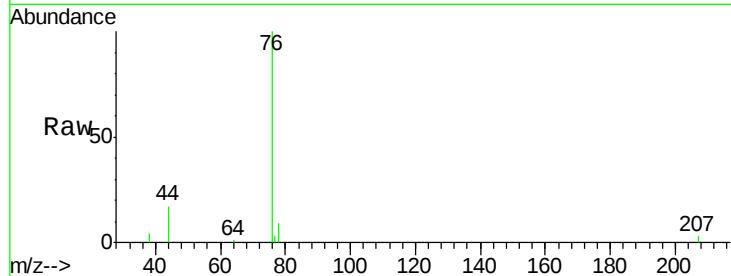
#17
Carbon Disulfide
Concen: 5.221 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

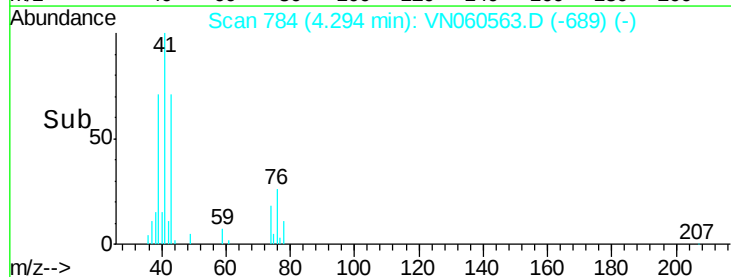
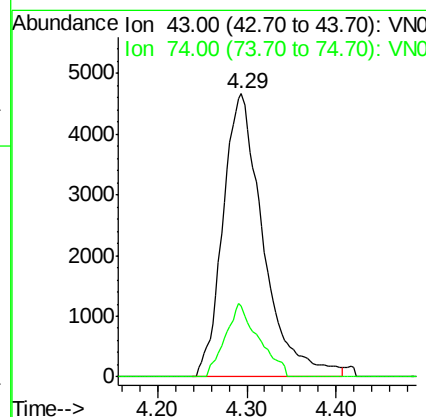
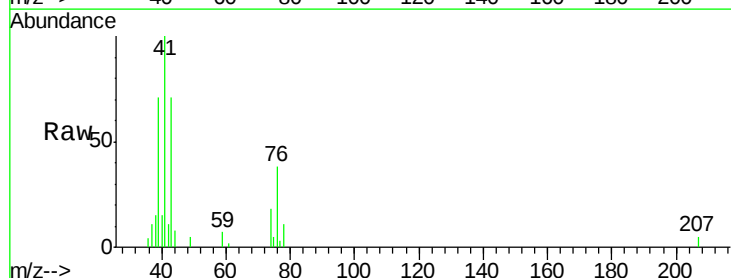
Manual Integrations
APPROVED

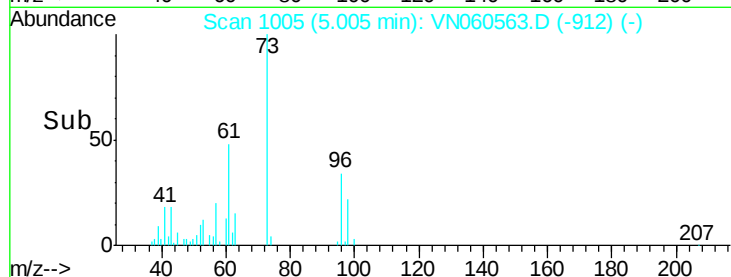
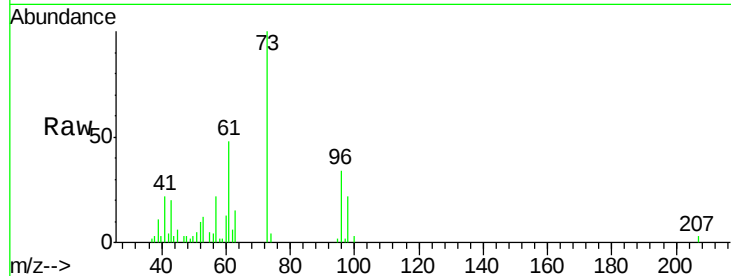
MMDadoda
3/18/2020 7:00:36 PM



#18
Methyl Acetate
Concen: 4.780 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	17.5	26.3





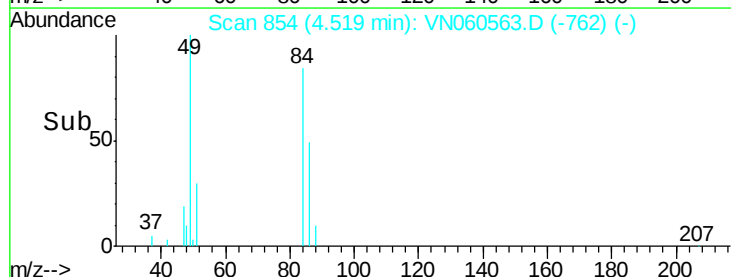
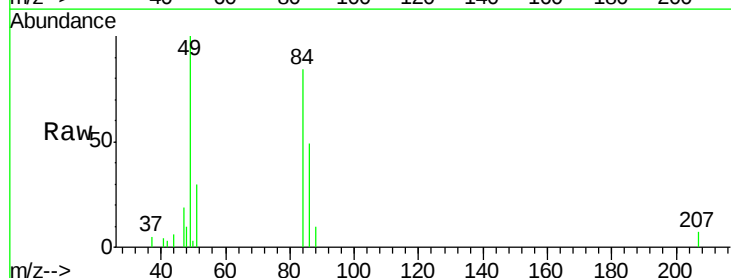
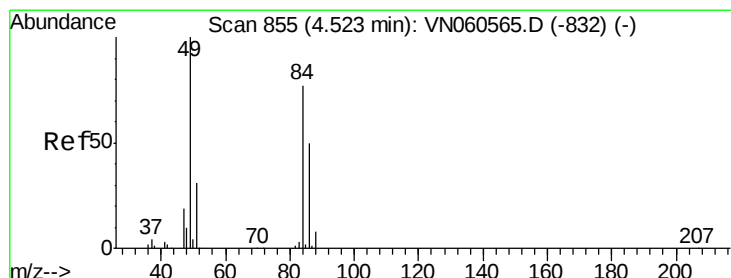
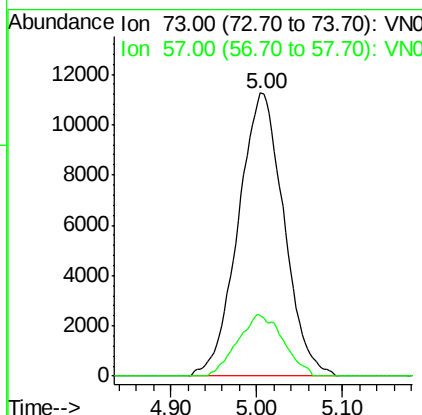
#19
Methvl tert-butvl Ether
Concen: 5.375 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tot Ion: 73 Resp: 41541
Ion Ratio Lower Upper
73 100
57 21.6 17.5 26.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

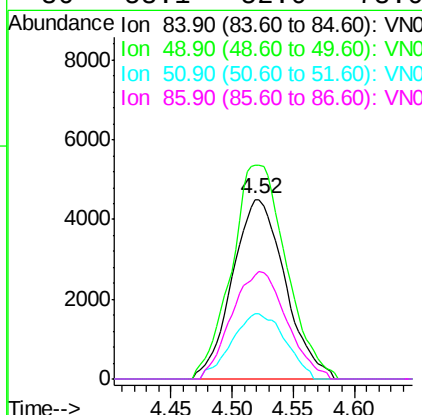
Manual Integrations
APPROVED

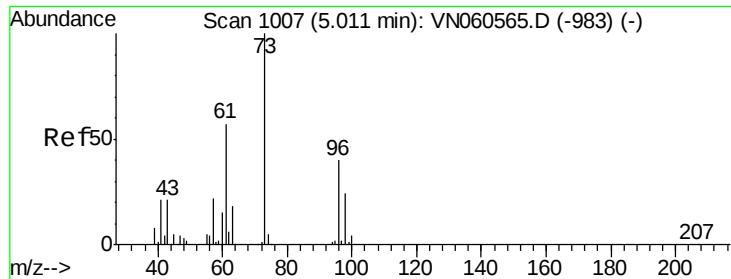
MMDadoda
3/18/2020 7:00:36 PM



#20
Methylene Chloride
Concen: 5.329 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion: 84 Resp: 13502
Ion Ratio Lower Upper
84 100
49 119.2 103.3 154.9
51 36.3 31.6 47.4
86 58.1 52.0 78.0





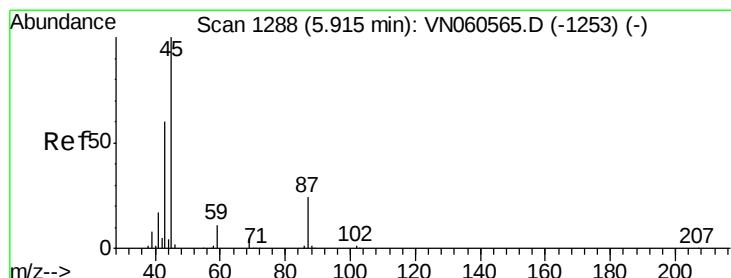
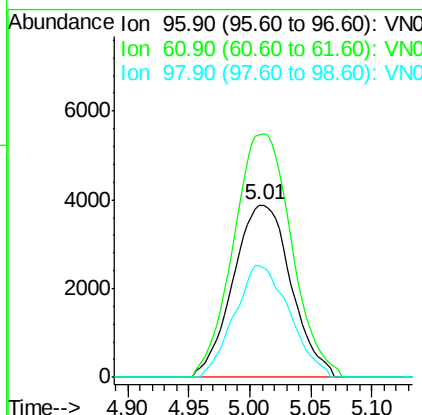
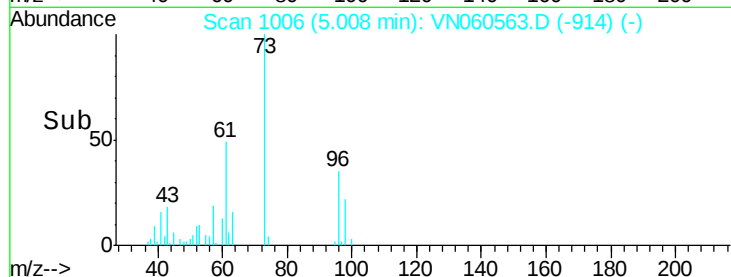
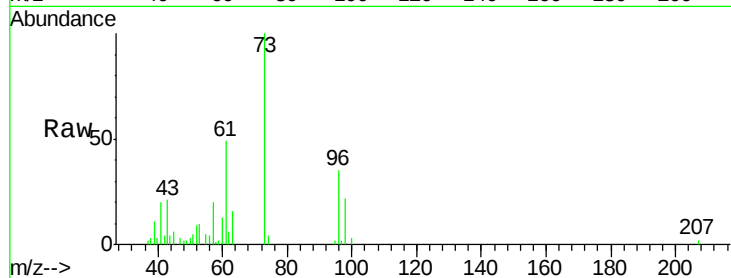
#21
trans-1,2-Dichloroethene
Concen: 4.832 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.0	114.4	171.6
98	64.9	48.4	72.6

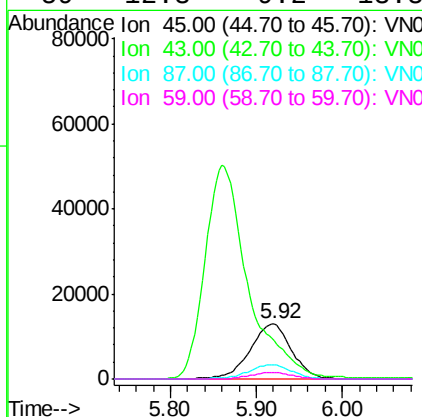
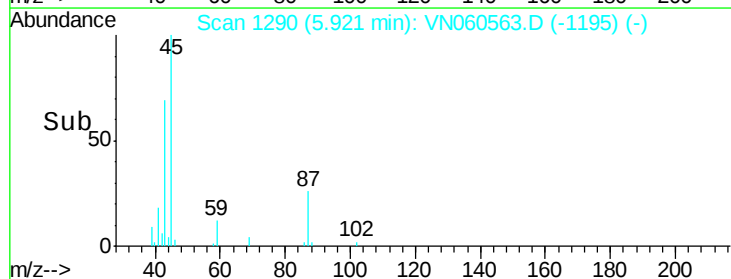
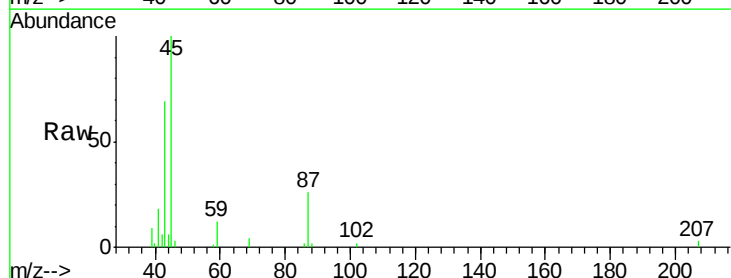
Manual Integrations
APPROVED

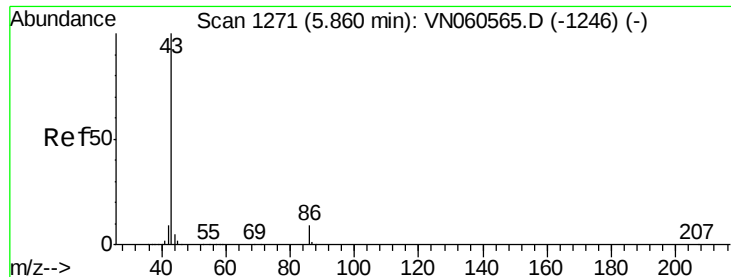
MMDadoda
3/18/2020 7:00:36 PM



#22
Diisopropyl ether
Concen: 5.387 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. 0.01 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.5	49.8	74.8
87	25.8	20.1	30.1
59	12.3	9.2	13.8





#23

Vinyl Acetate

Concen: 27.526 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 176336

Ion Ratio Lower Upper

43 100

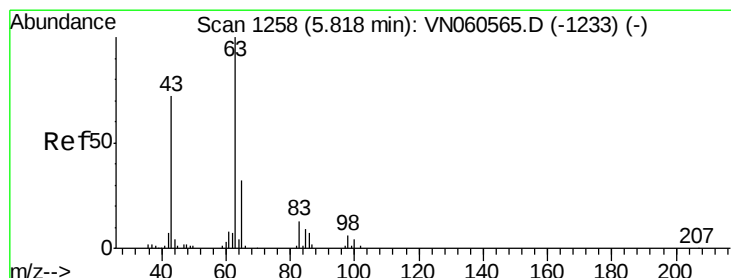
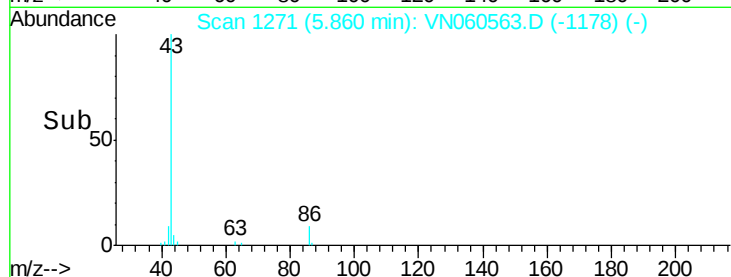
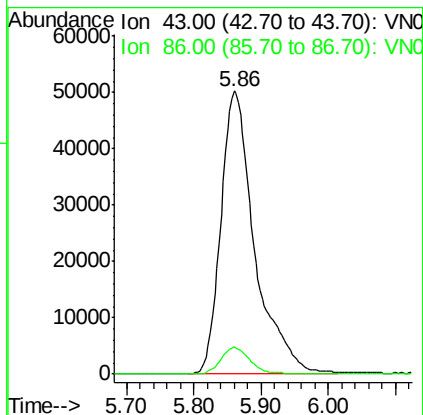
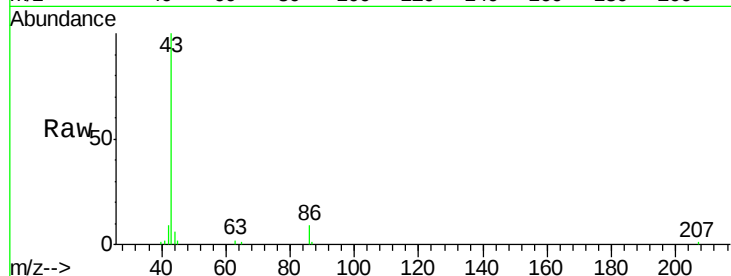
86 9.5 7.6 11.4

Manual Integrations

APPROVED

MMDadoda

3/18/2020 7:00:36 PM



#24

1,1-Dichloroethane

Concen: 5.337 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

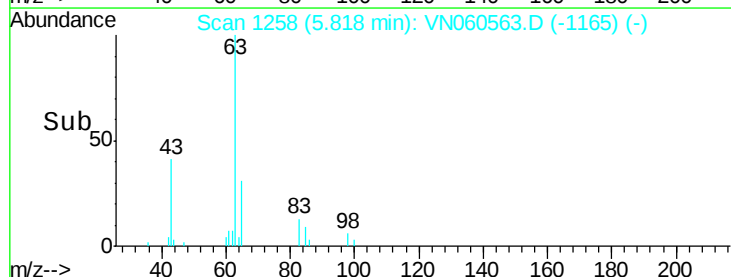
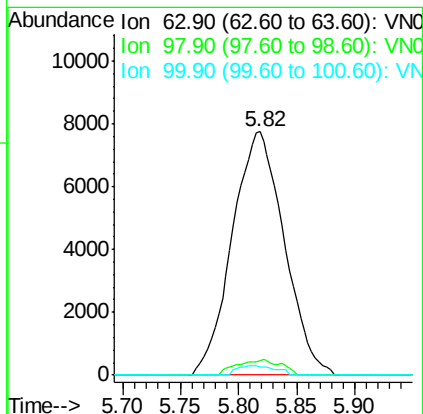
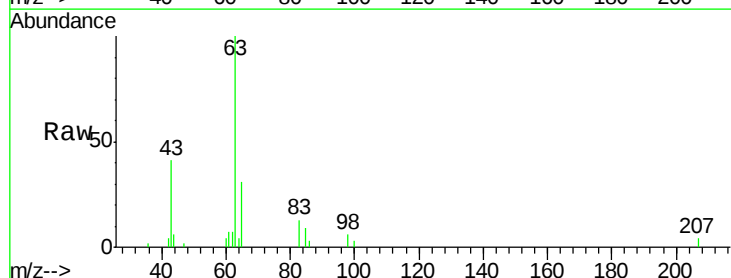
Tgt Ion: 63 Resp: 24137

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.7

100 3.5 1.8 5.5





#25

2-Butanone

Concen: 27.754 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 41868

Ion Ratio Lower Upper

43 100

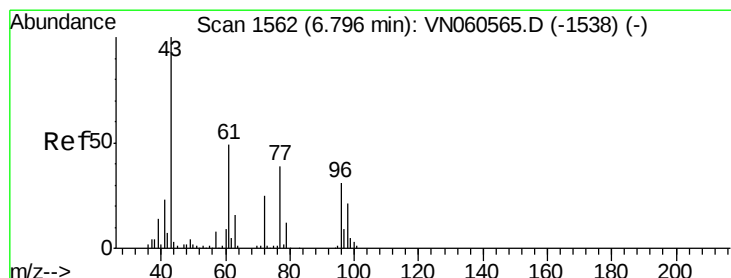
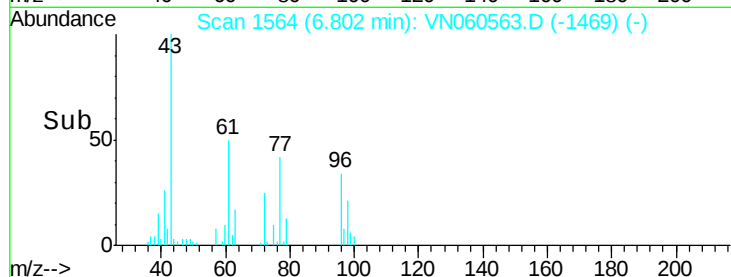
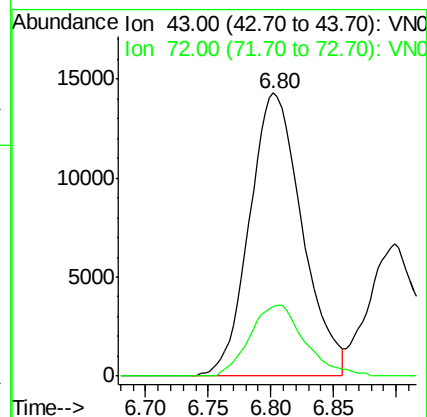
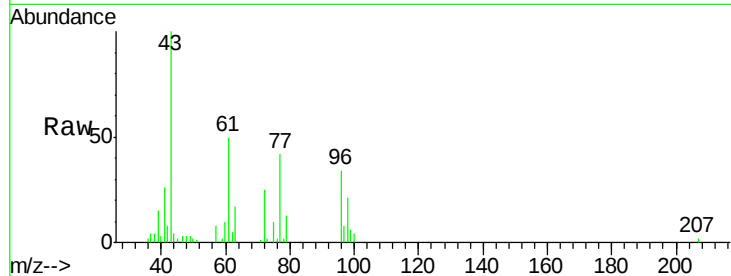
72 24.5 20.4 30.6

Manual Integrations

APPROVED

MMDadoda

3/18/2020 7:00:36 PM



#26

2,2-Dichloropropane

Concen: 4.900 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060563.D

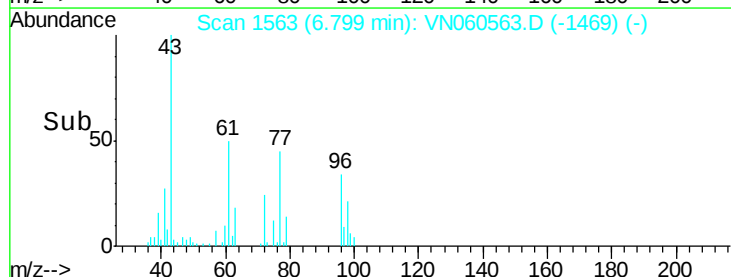
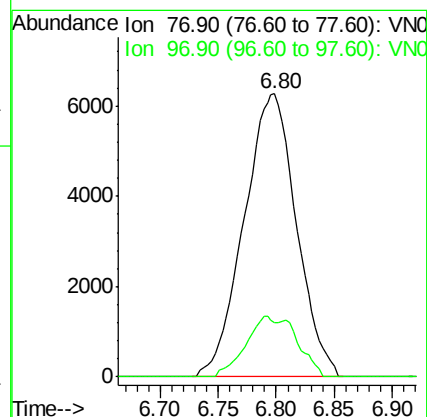
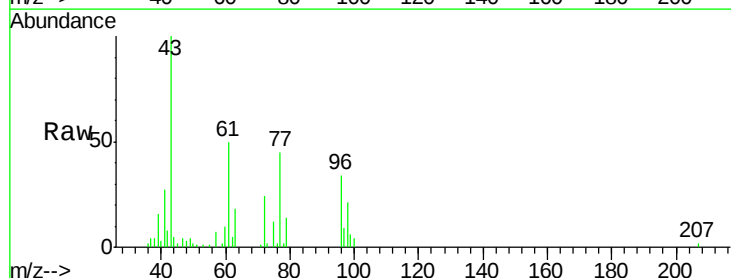
Acq: 17 Mar 2020 18:27

Tgt Ion: 77 Resp: 19659

Ion Ratio Lower Upper

77 100

97 13.0 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 4.911 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

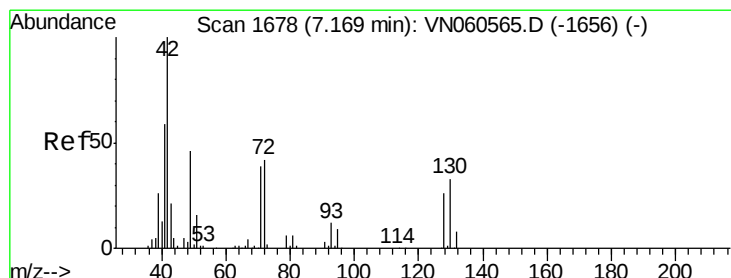
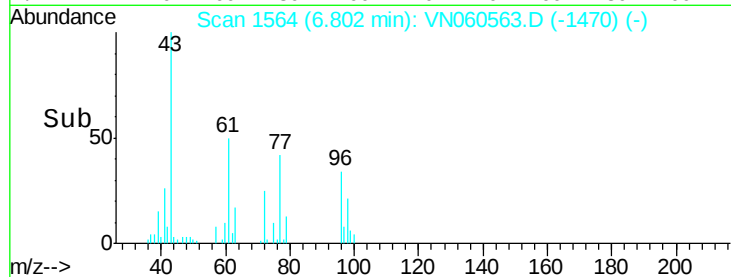
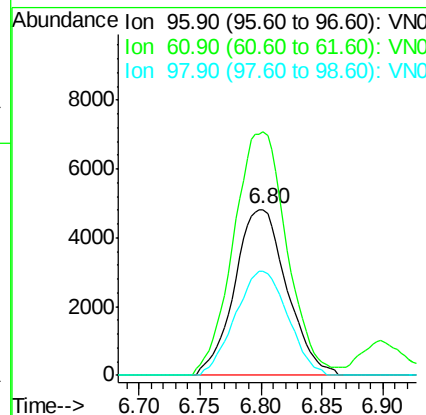
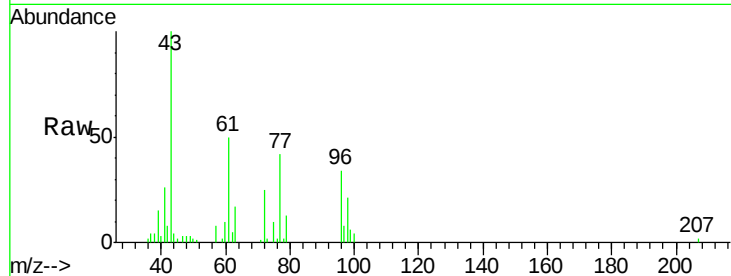
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	14335
Ion	Ratio	Lower	Upper
96	100		
61	150.1	0.0	305.6
98	62.7	0.0	127.6

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:36 PM



#28

Bromochloromethane

Concen: 5.747 ug/l

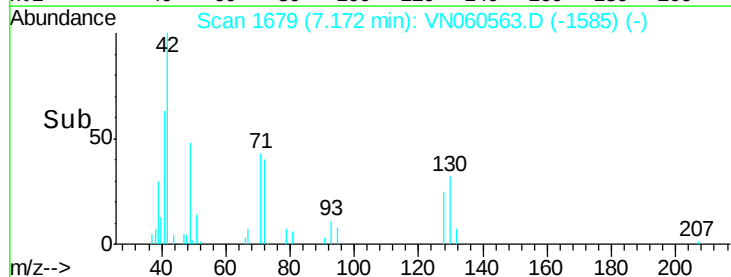
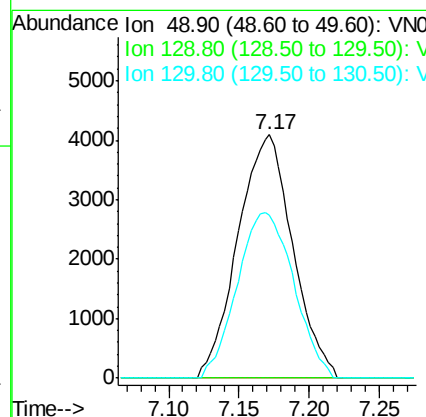
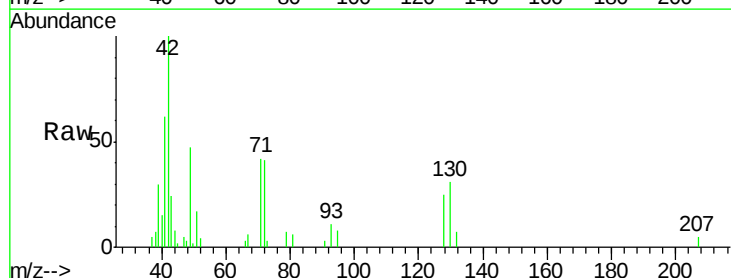
RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Tgt Ion:	49	Resp:	11107
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	69.9	55.0	82.4





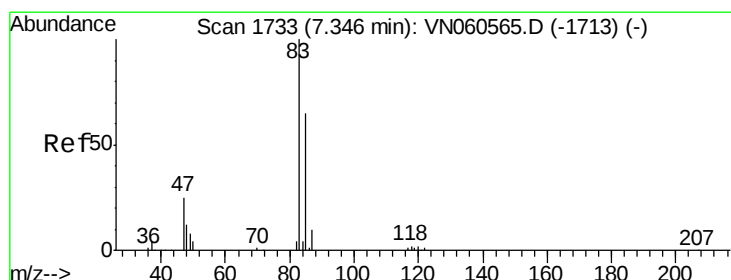
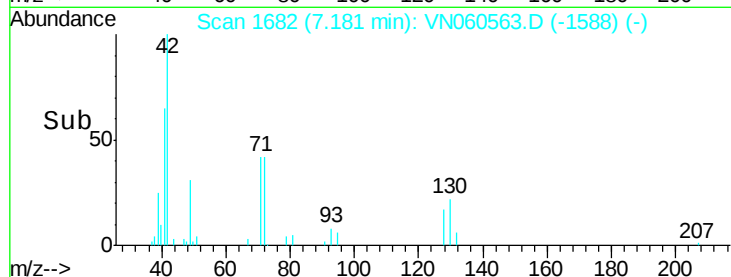
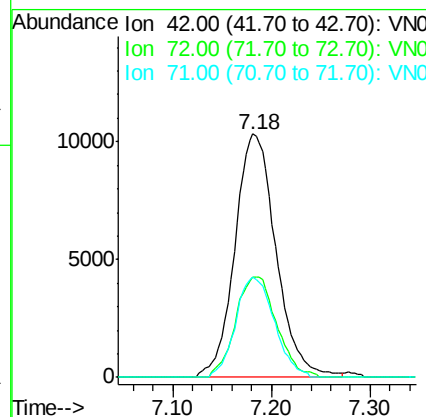
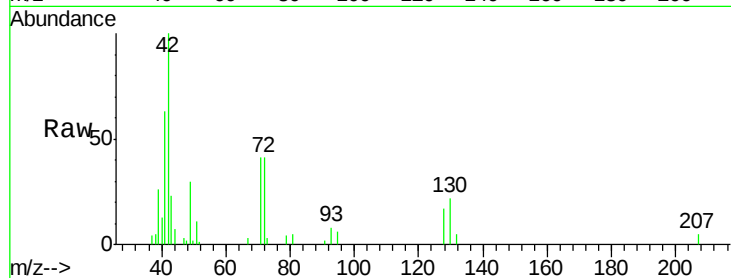
#29
Tetrahydrofuran
Concen: 28.488 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.2	49.8
71	38.6	31.1	46.7

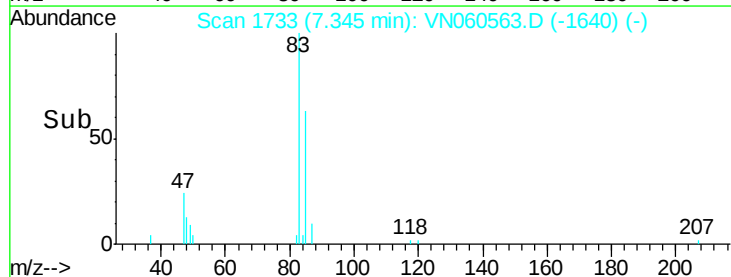
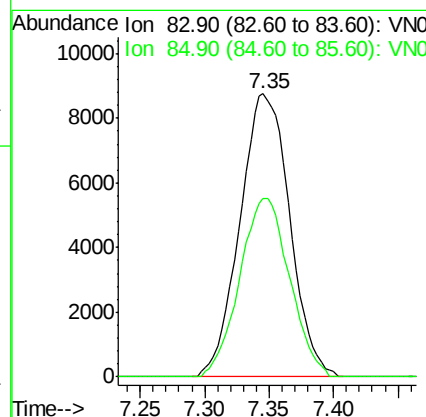
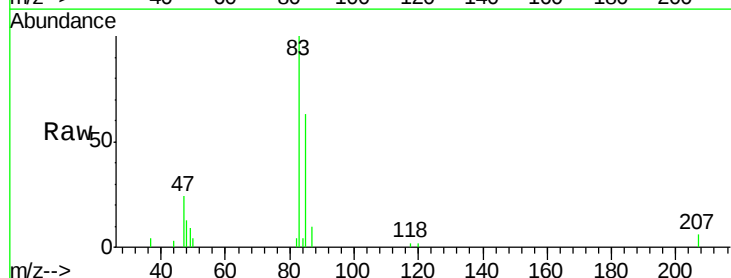
Manual Integrations
APPROVED

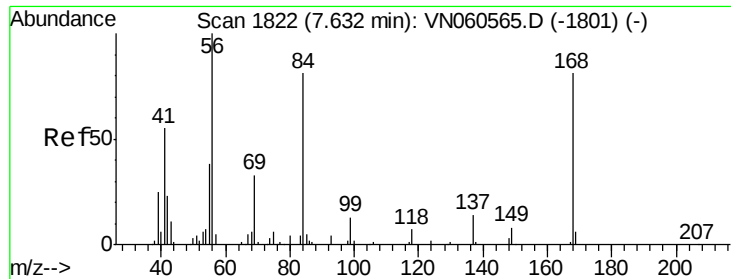
MMDadoda
3/18/2020 7:00:36 PM



#30
Chloroform
Concen: 5.265 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.8





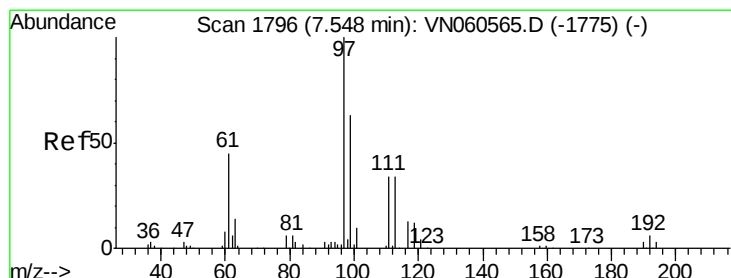
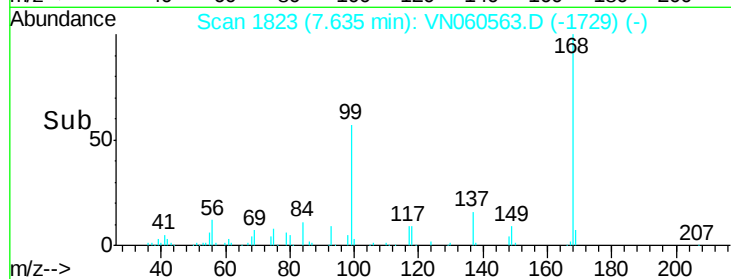
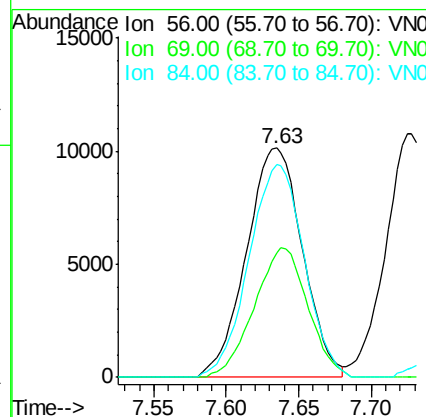
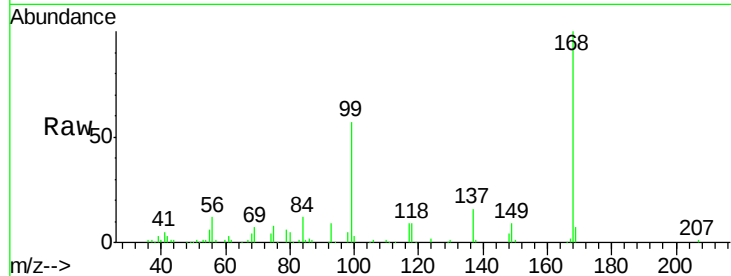
#31
Cyclohexane
Concen: 6.364 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	54.6	26.6	40.0#
84	92.8	64.3	96.5

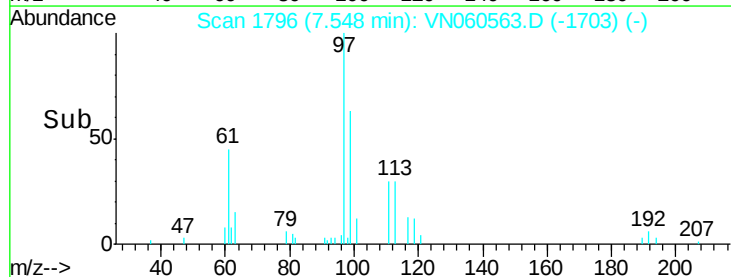
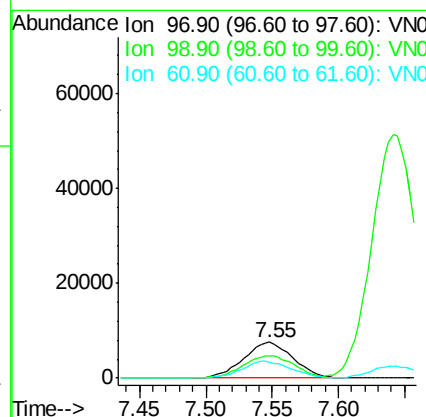
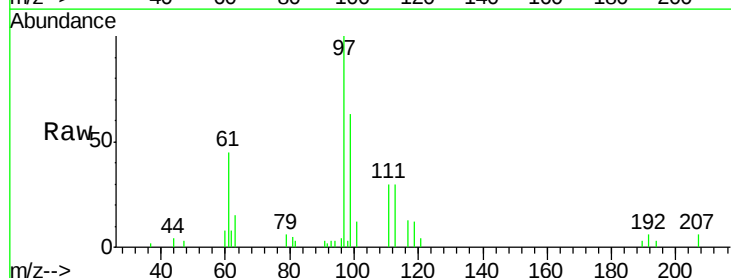
Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:36 PM



#32
1,1,1-Trichloroethane
Concen: 4.978 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion	Ratio	Lower	Upper
97	100		
61	65.4	50.6	75.8
111	46.2	36.2	54.4





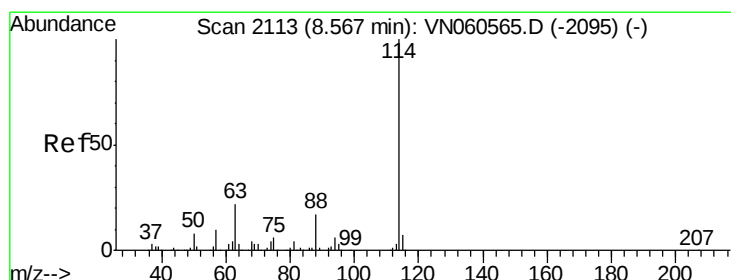
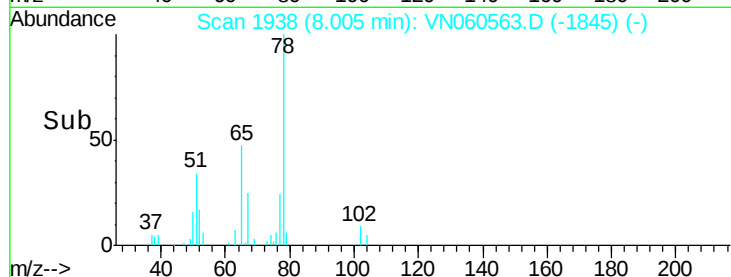
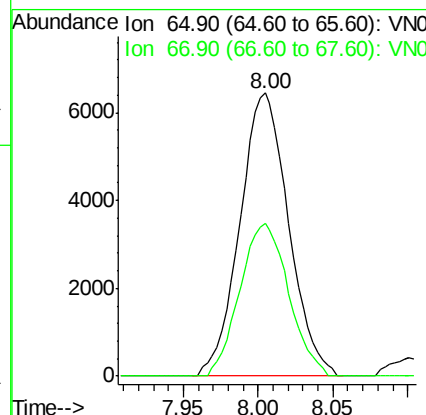
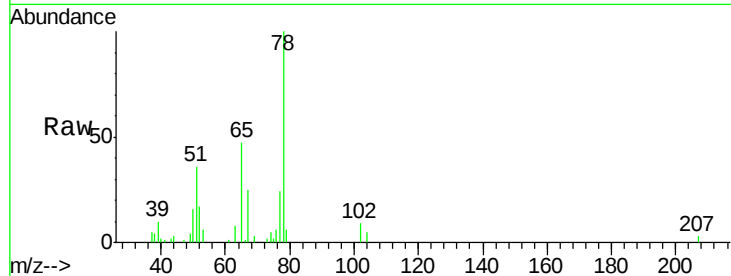
#33
 1,2-Dichloroethane-d4
 Concen: 5.078 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	107.6

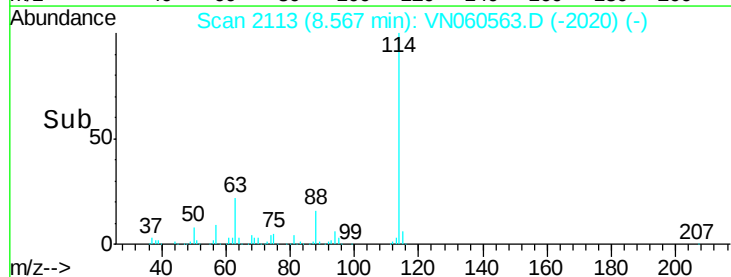
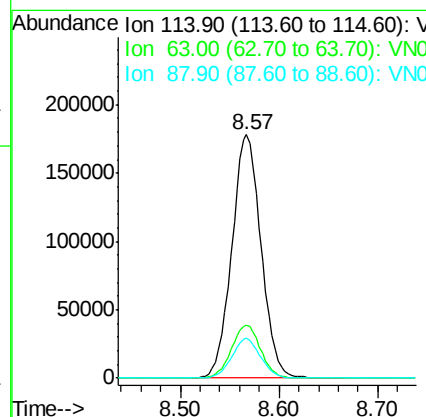
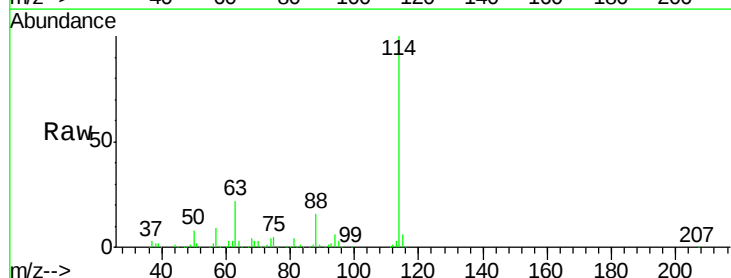
Manual Integrations
 APPROVED

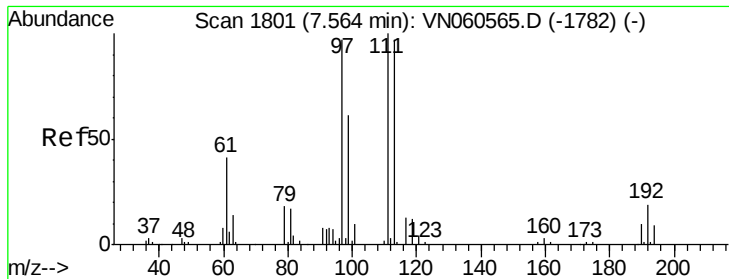
MMDadoda
 3/18/2020 7:00:36 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	43.8
88	16.4	0.0	33.0





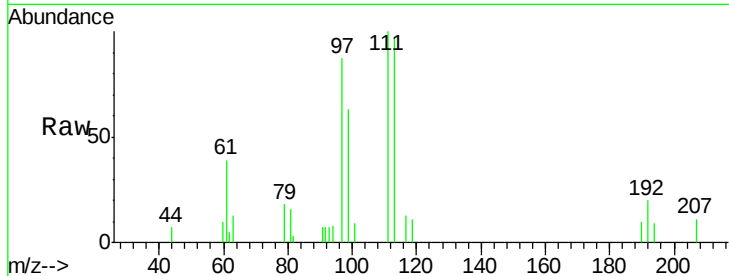
#35
 Dibromofluoromethane
 Concen: 5.801 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.9	124.3
192	19.4	15.8	23.8

Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 7:00:36 PM

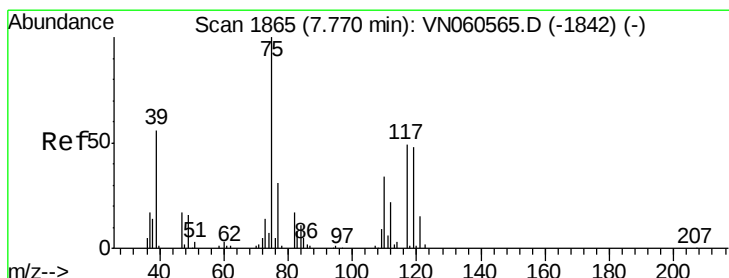
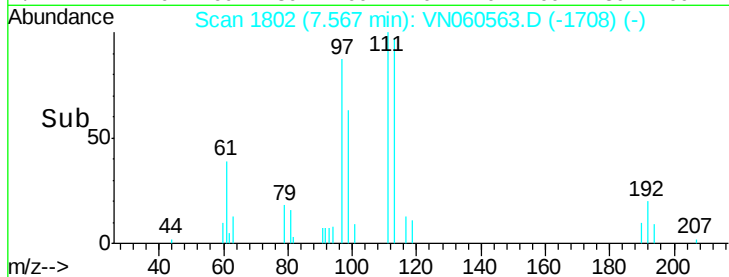
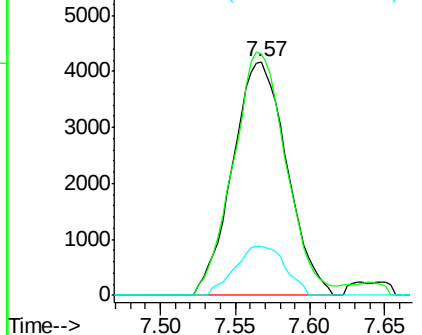


Abundance

Ion 112.80 (112.50 to 113.50): V

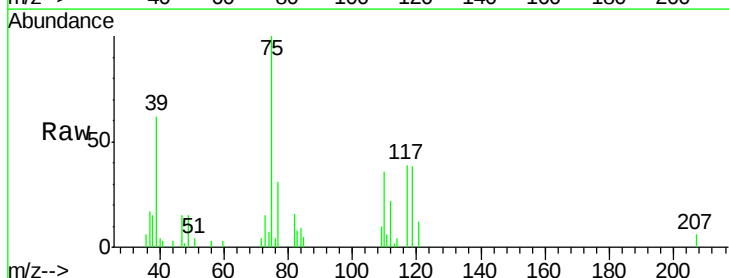
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.897 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	32.0	24.6	36.8

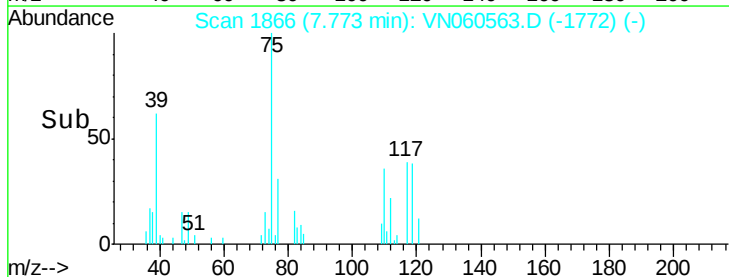
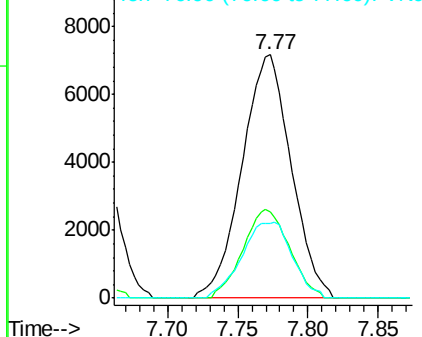


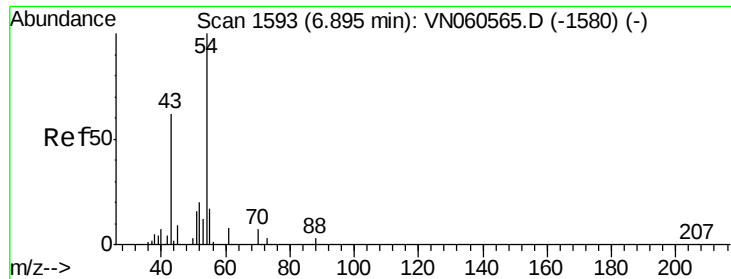
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





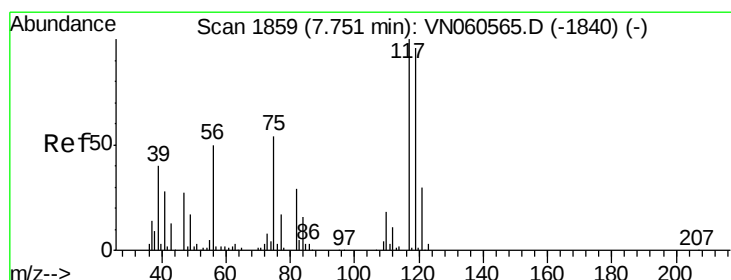
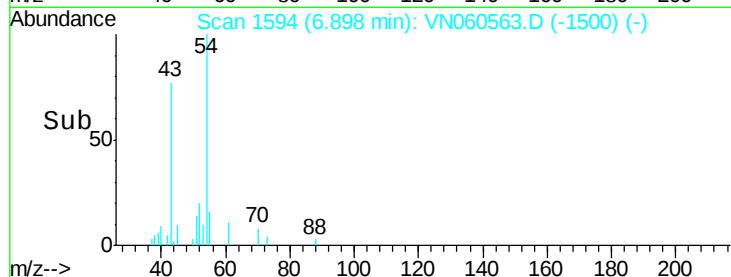
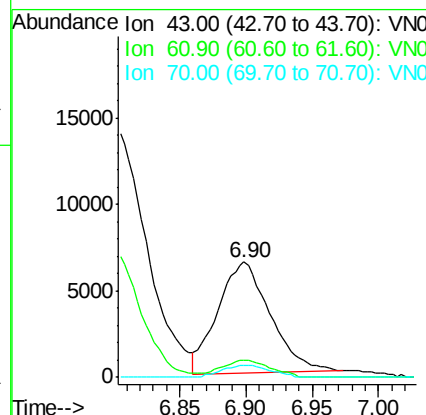
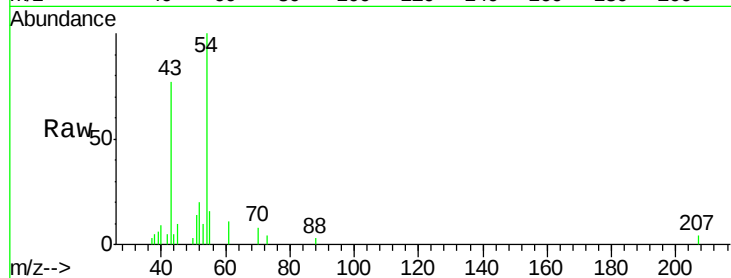
#37
Ethyl Acetate
Concen: 5.218 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.6	15.8
70	9.8	7.9	11.9

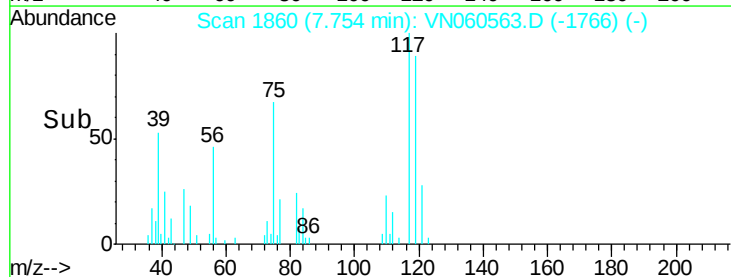
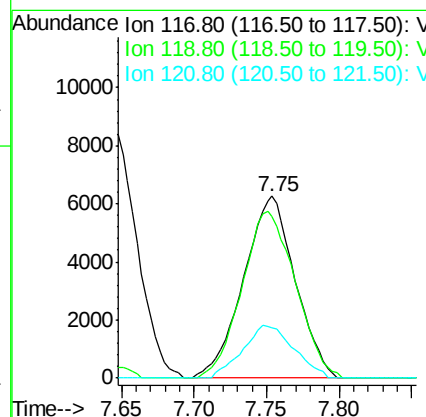
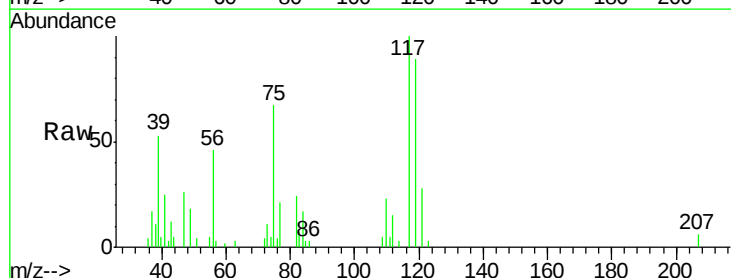
Manual Integrations
APPROVED

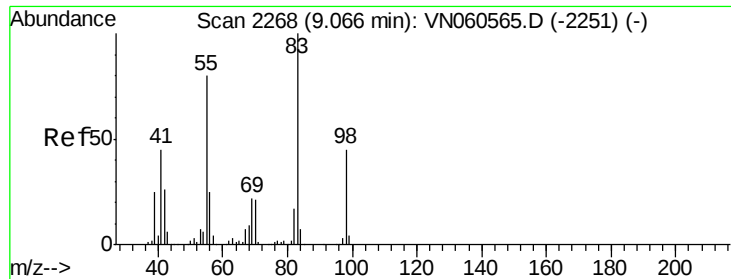
MMDadoda
3/18/2020 7:00:36 PM



#38
Carbon Tetrachloride
Concen: 4.557 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.2	76.2	114.2
121	27.8	23.7	35.5





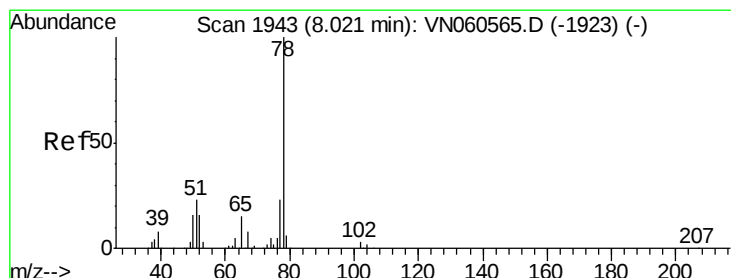
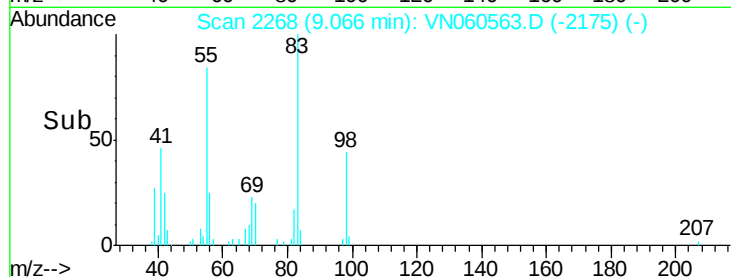
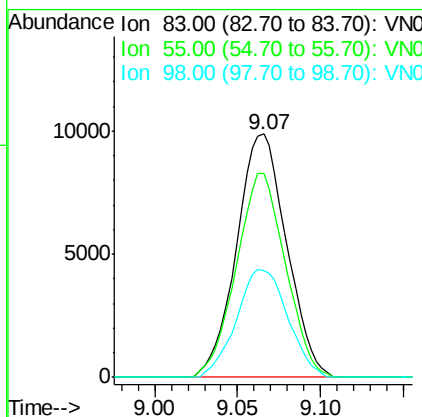
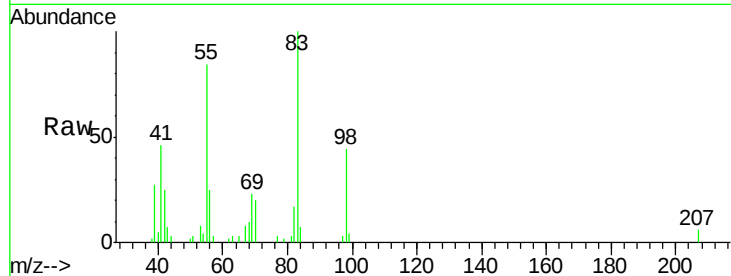
#39
Methvlcvclohexane
Concen: 4.925 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.7	63.6	95.4
98	43.9	36.0	54.0

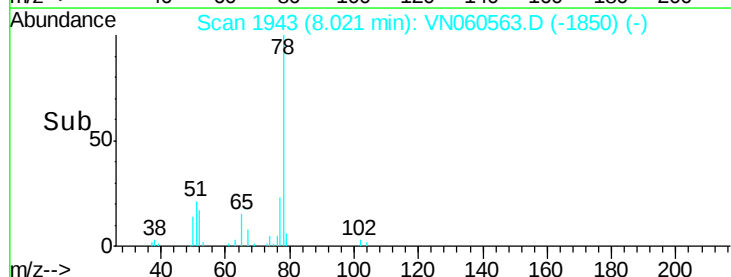
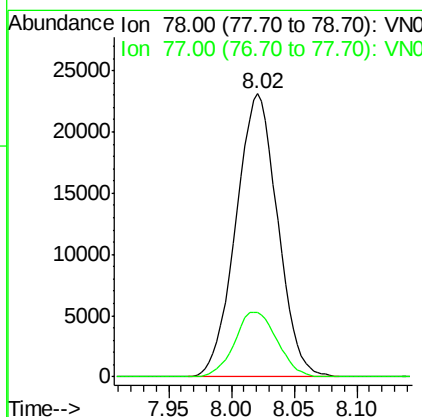
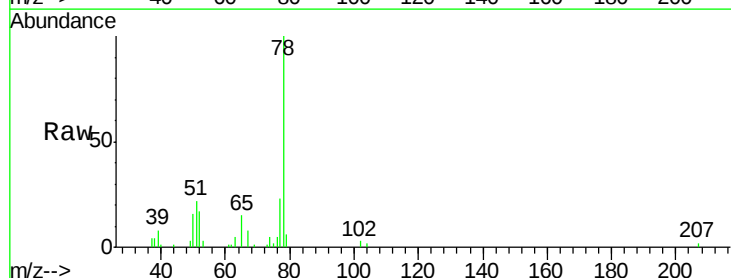
Manual Integrations
APPROVED

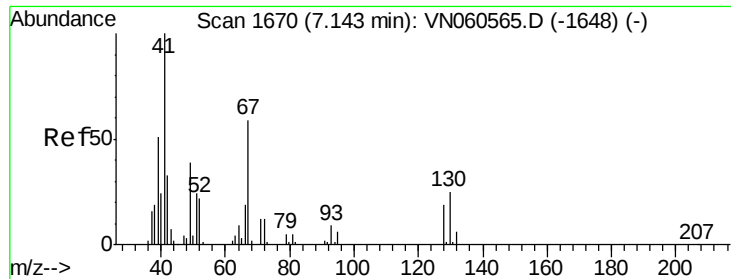
MMDadoda
3/18/2020 7:00:36 PM



#40
Benzene
Concen: 5.172 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.6	28.0





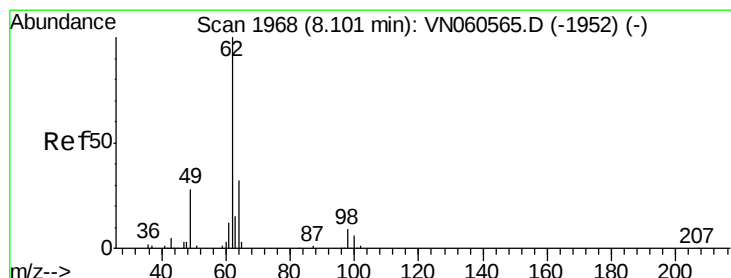
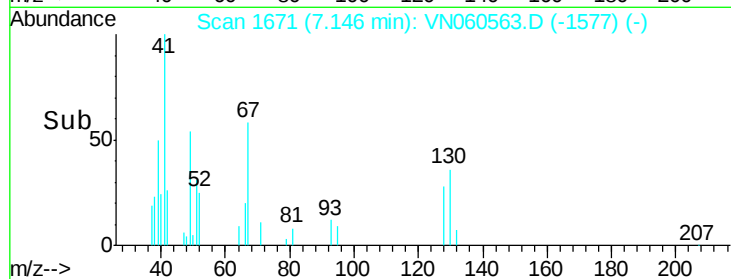
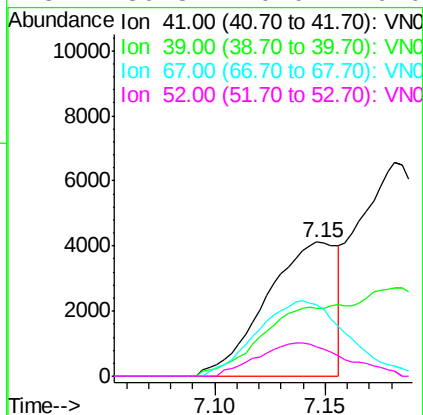
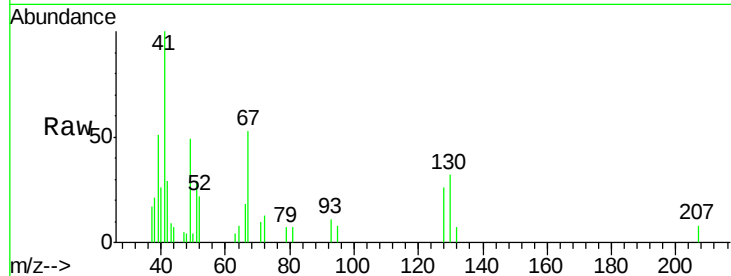
#41
Methacrylonitrile
Concen: 5.943 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		9180		
39	41.7	0.0	0.0#		
67	71.4	0.0	0.0#		
52	30.8	0.0	0.0#		

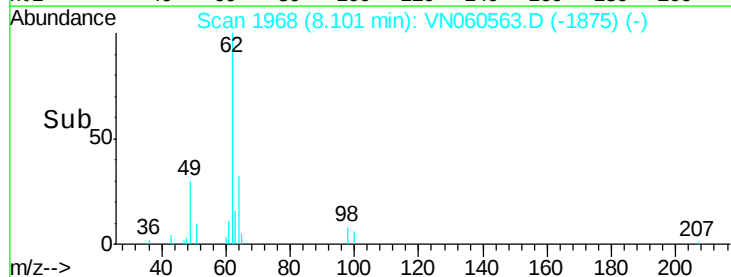
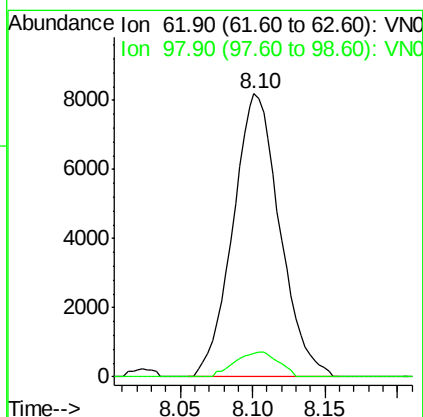
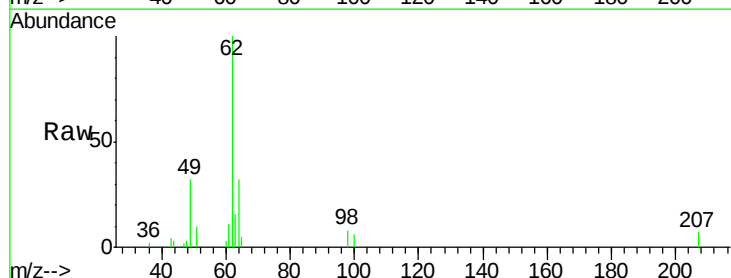
Manual Integrations
APPROVED

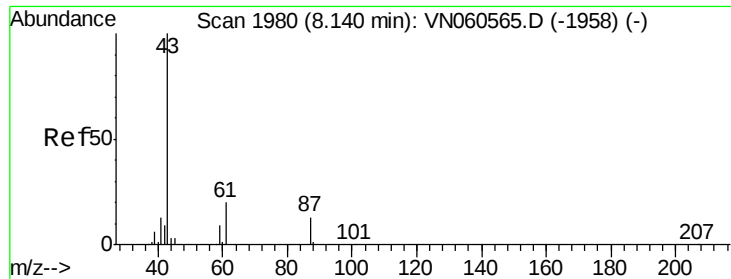
MMDadoda
3/18/2020 7:00:36 PM



#42
1,2-Dichloroethane
Concen: 4.993 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		18444		
98	8.1	0.0	17.8		





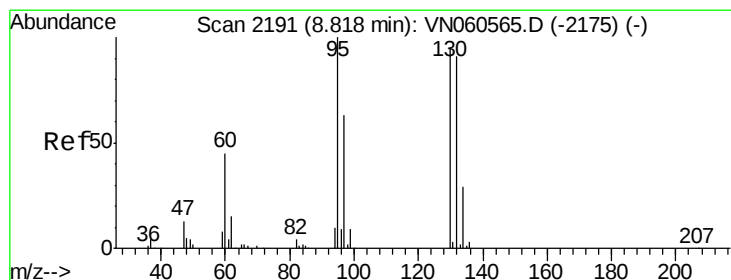
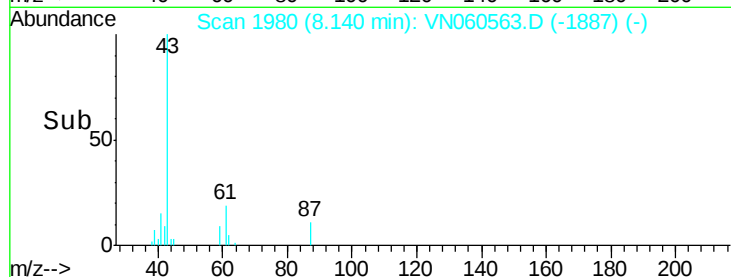
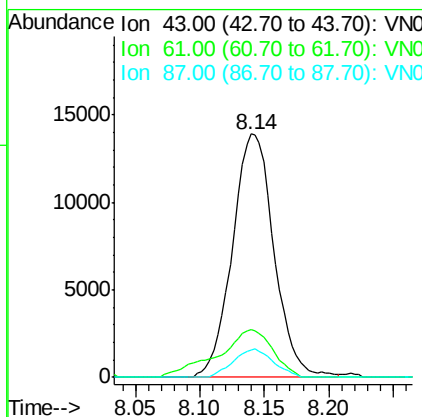
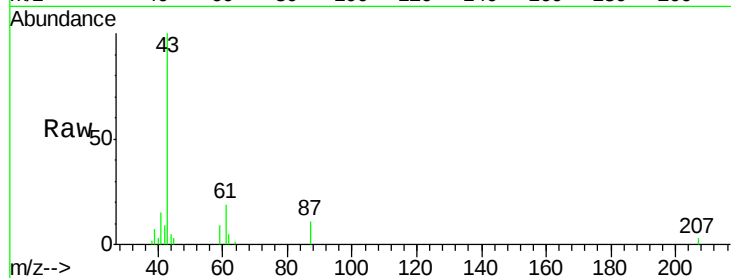
#43
Isopropyl Acetate
Concen: 5.279 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.7	31.1
87	11.2	9.8	14.8

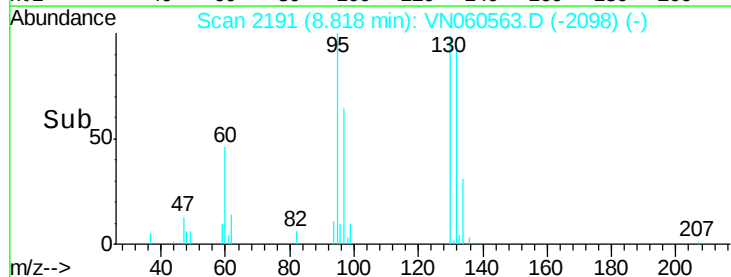
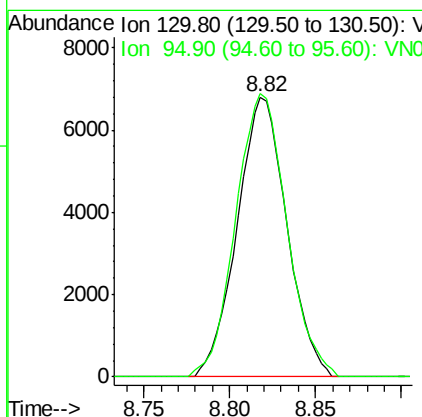
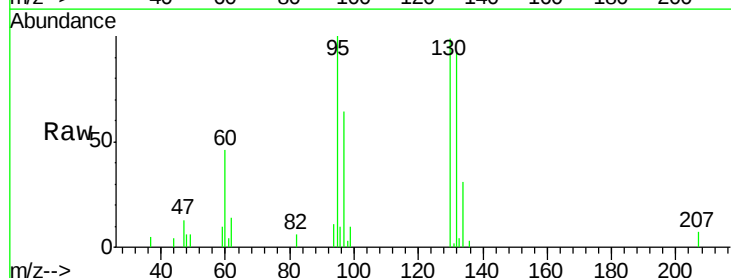
Manual Integrations
APPROVED

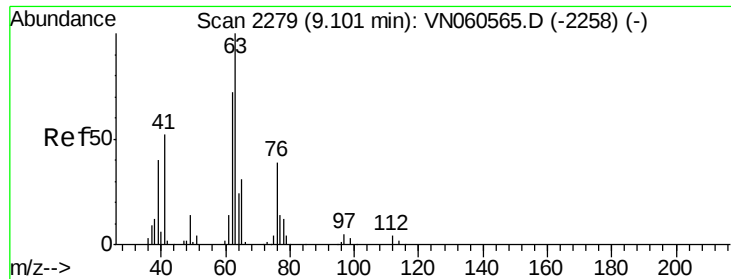
MMDadoda
3/18/2020 7:00:36 PM



#44
Trichloroethene
Concen: 4.775 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	211.2





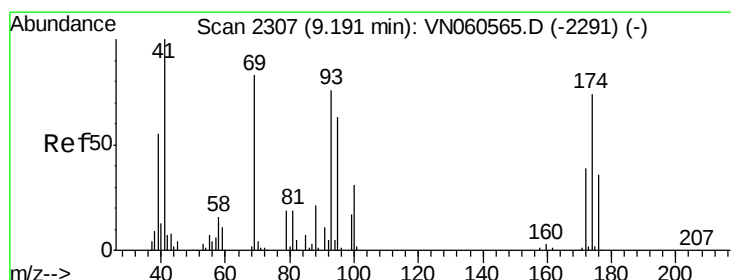
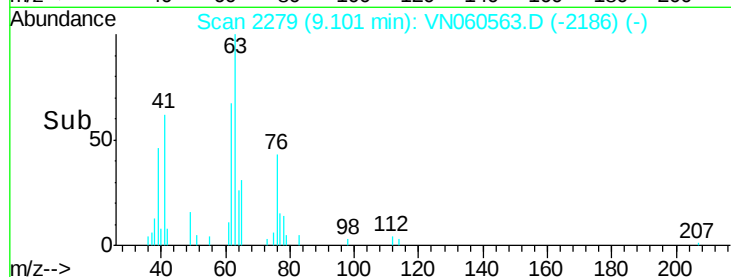
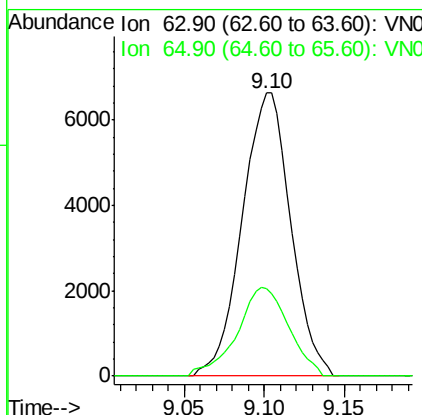
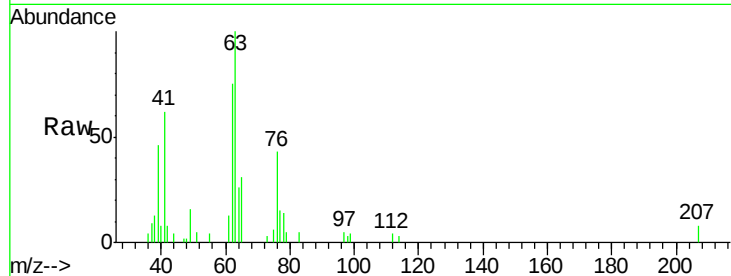
#45
 1,2-Dichloropropane
 Concen: 5.093 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 13767
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.4 38.0

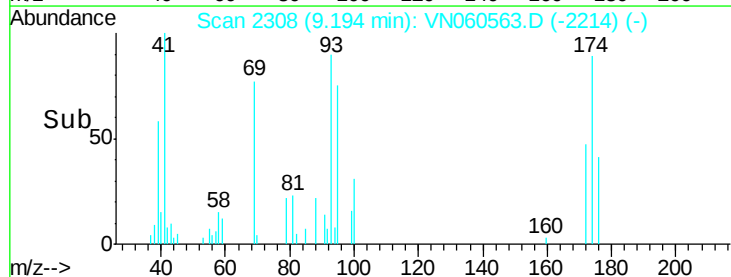
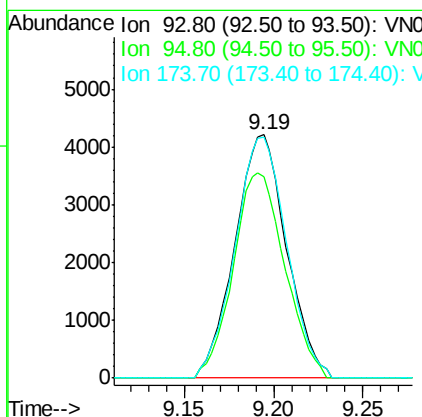
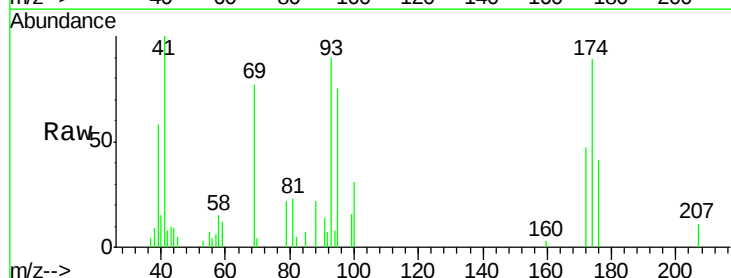
Manual Integrations
 APPROVED

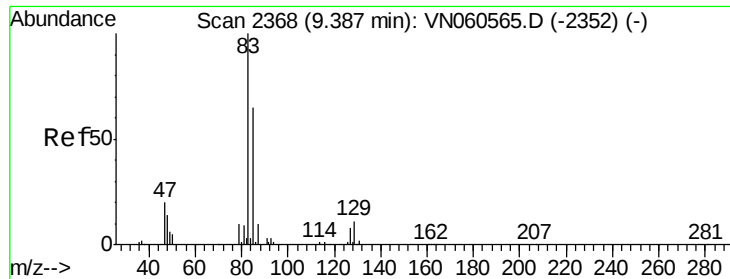
MMDadoda
 3/18/2020 7:00:36 PM



#46
 Dibromomethane
 Concen: 4.883 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

Tgt Ion: 93 Resp: 8496
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.2 99.4
 174 99.1 77.9 116.9





#47

Bromodichloromethane

Concen: 5.028 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

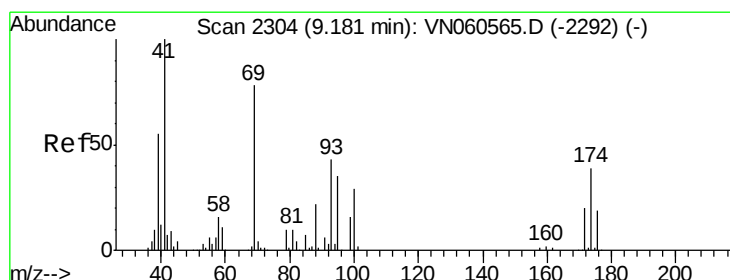
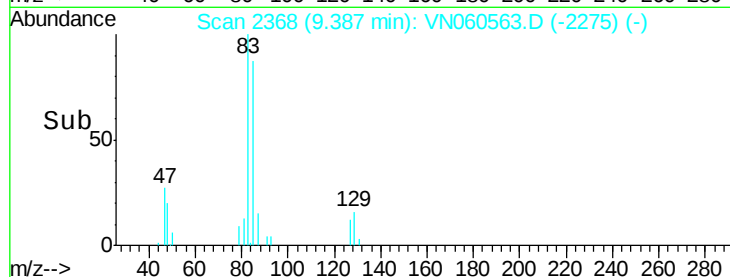
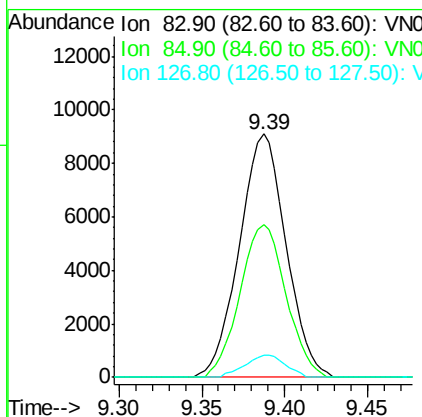
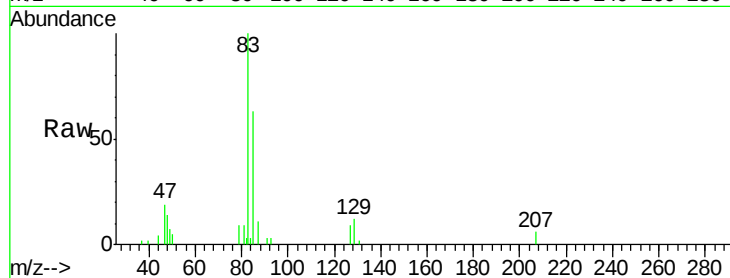
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	17783
Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.8	77.6
127	8.9	6.5	9.7

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:36 PM



#48

Methyl methacrylate

Concen: 4.871 ug/l

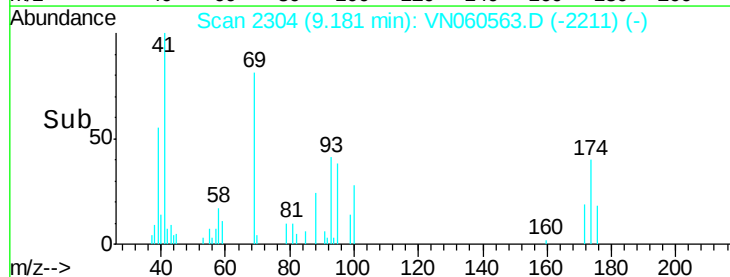
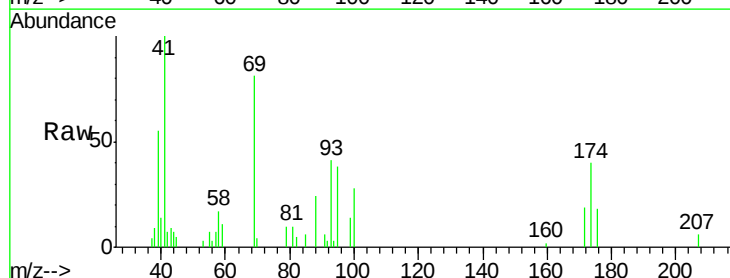
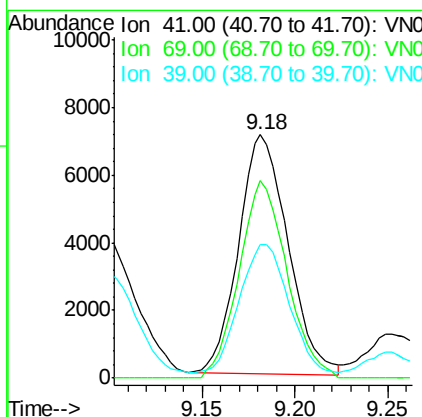
RT: 9.18 min Scan# 2304

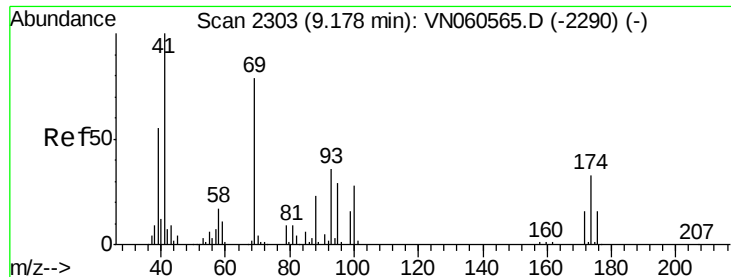
Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Tgt Ion:	41	Resp:	13110
Ion	Ratio	Lower	Upper
41	100		
69	79.8	65.4	98.0
39	59.0	44.0	66.0





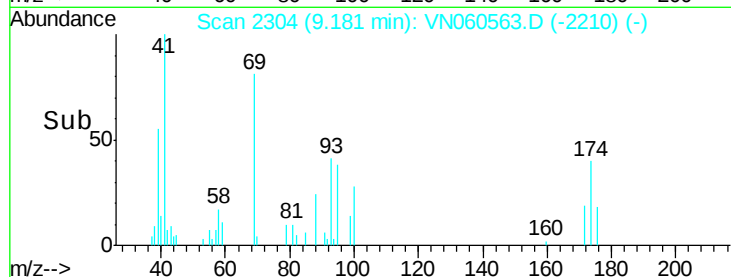
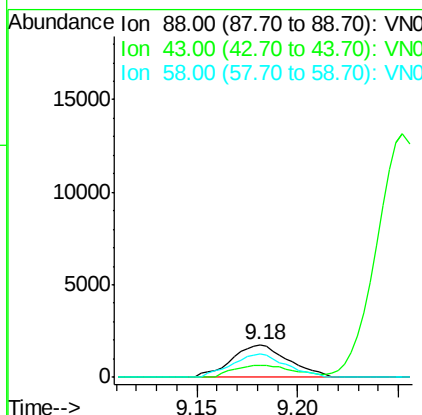
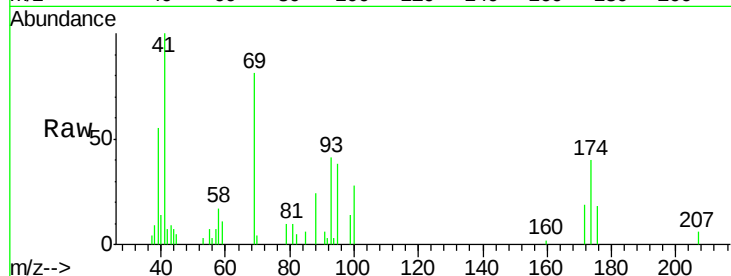
#49
1,4-Dioxane
Concen: 91.864 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.8	30.8	46.2
58	68.2	59.8	89.8

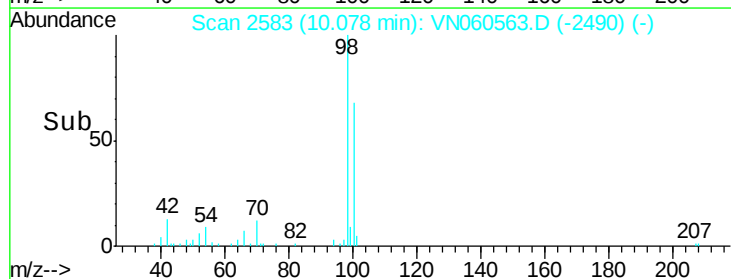
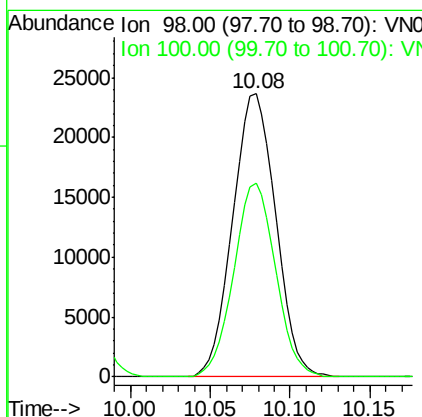
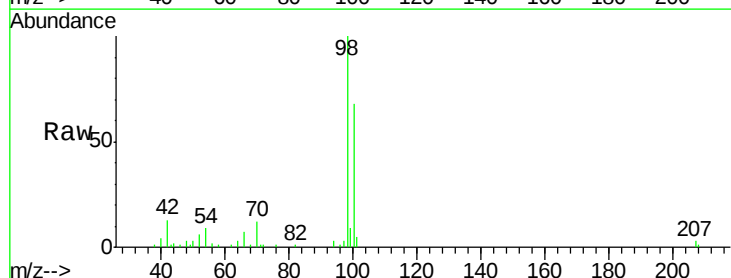
Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:36 PM



#50
Toluene-d8
Concen: 4.898 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	51.8	77.8





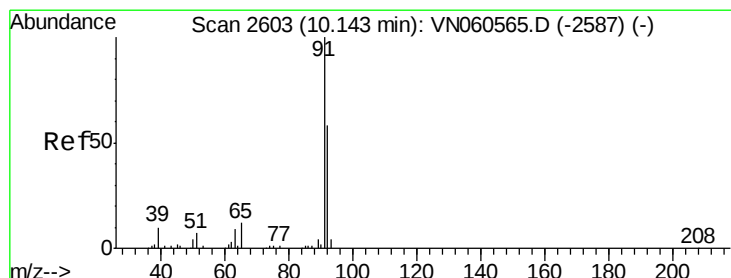
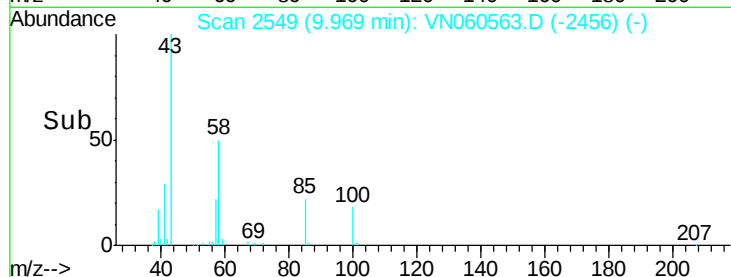
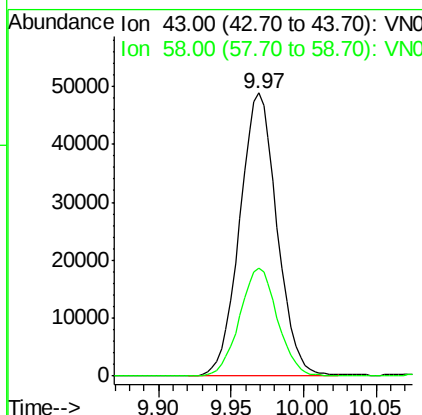
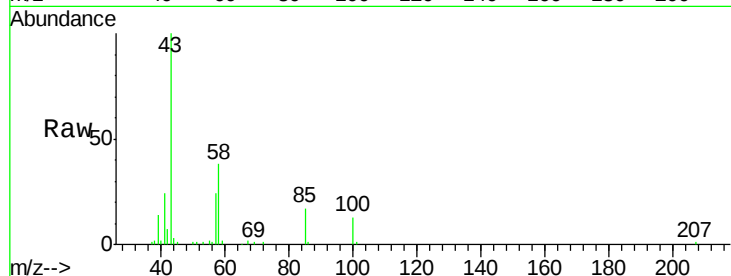
#51
4-Methyl-2-Pentanone
Concen: 26.045 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 87450
Ion Ratio Lower Upper
43 100
58 38.6 30.8 46.2

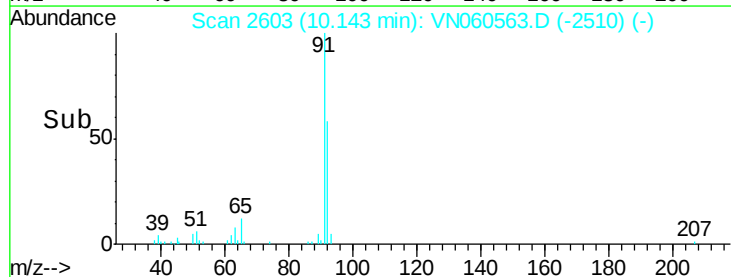
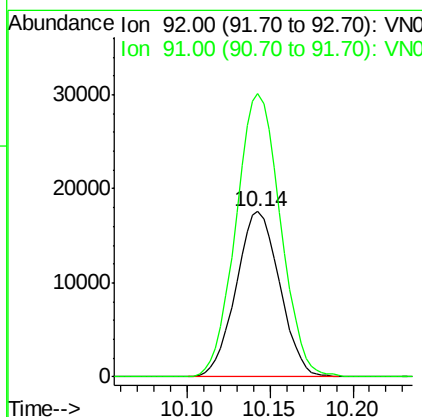
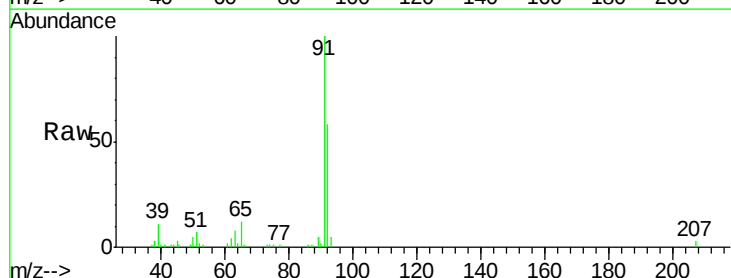
Manual Integrations
APPROVED

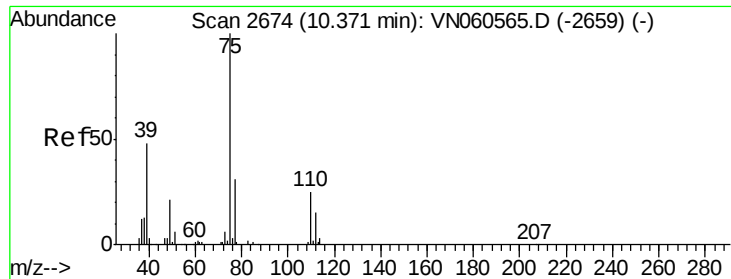
MMDadoda
3/18/2020 7:00:36 PM



#52
Toluene
Concen: 4.960 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion: 92 Resp: 32077
Ion Ratio Lower Upper
92 100
91 175.1 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 4.597 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 75 Resp: 19893

Ion Ratio Lower Upper

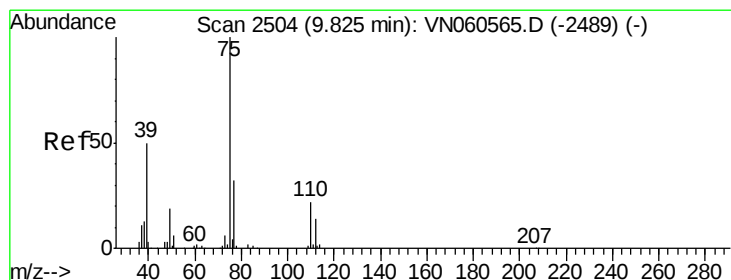
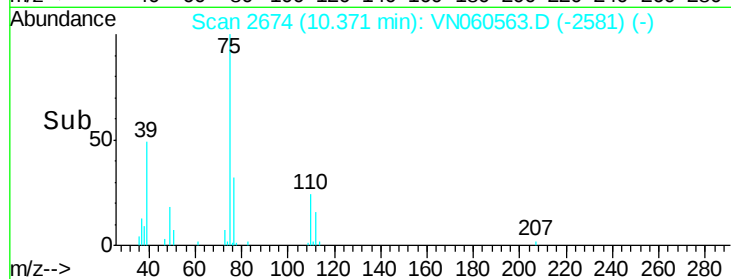
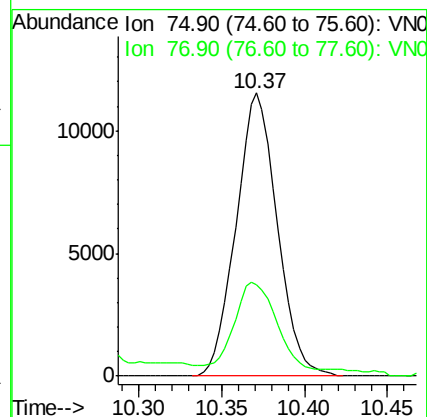
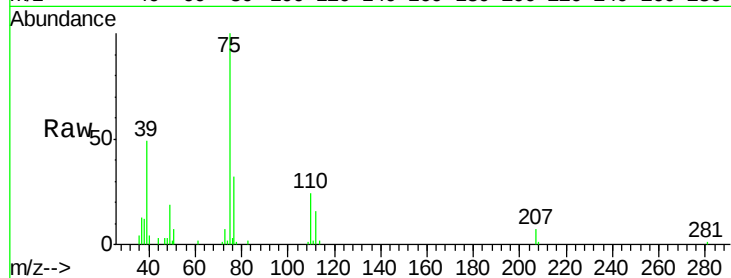
75 100

77 30.2 25.1 37.7

Manual Integrations
APPROVED

MMDadoda

3/18/2020 7:00:36 PM



#54

cis-1,3-Dichloropropene

Concen: 4.952 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

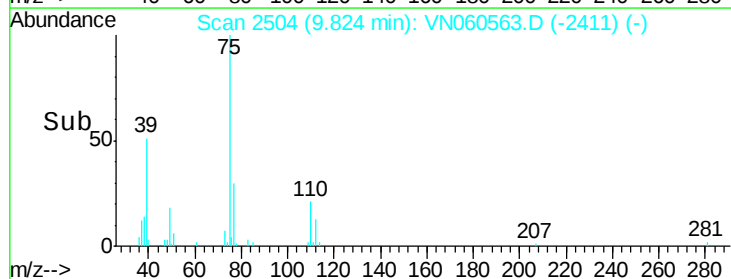
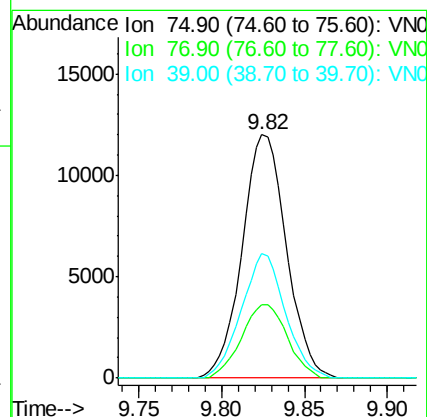
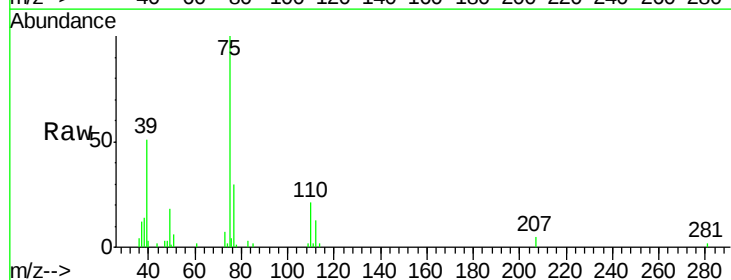
Tgt Ion: 75 Resp: 22268

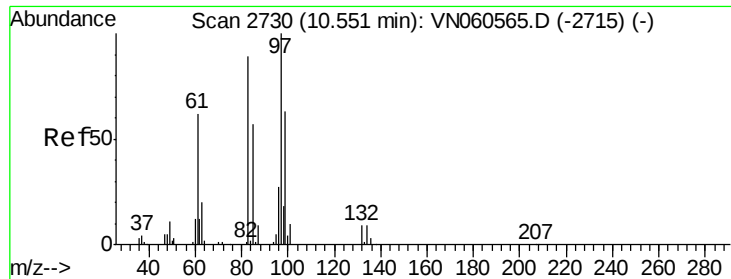
Ion Ratio Lower Upper

75 100

77 30.0 25.4 38.0

39 51.0 40.2 60.4





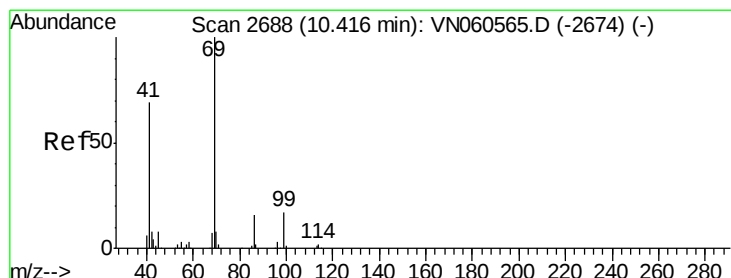
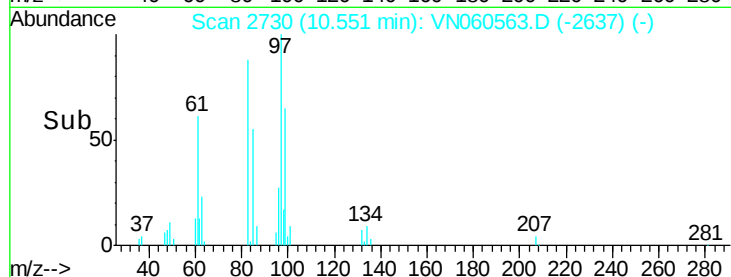
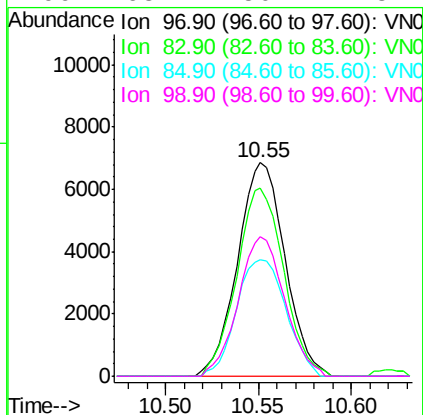
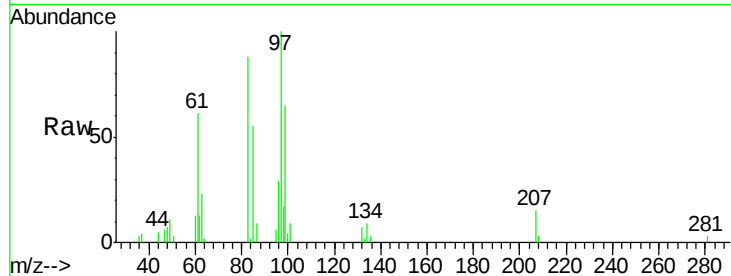
#55
 1,1,2-Trichloroethane
 Concen: 4.724 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	12222
Ion	Ratio	Lower	Upper
97	100		
83	87.8	71.3	106.9
85	54.5	45.2	67.8
99	65.4	50.1	75.1

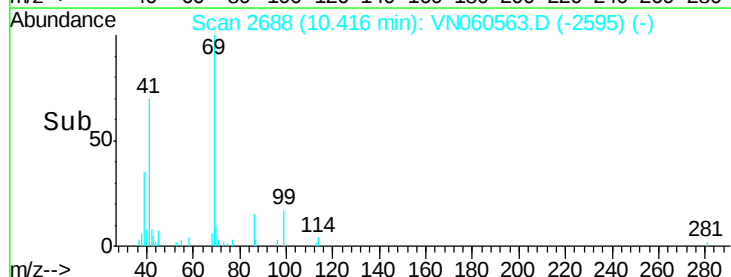
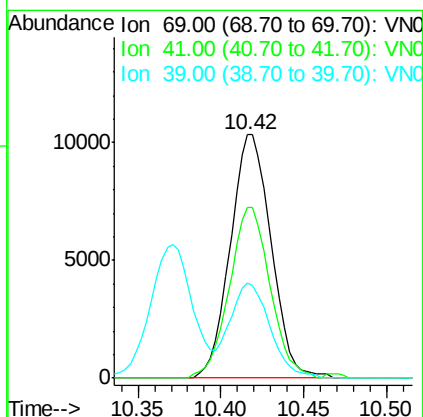
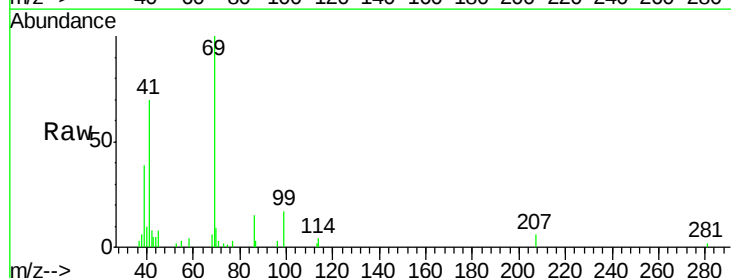
Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 7:00:36 PM



#56
 Ethyl methacrylate
 Concen: 4.721 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

Tgt Ion:	69	Resp:	17709
Ion	Ratio	Lower	Upper
69	100		
41	70.1	55.4	83.2
39	38.2	29.4	44.0





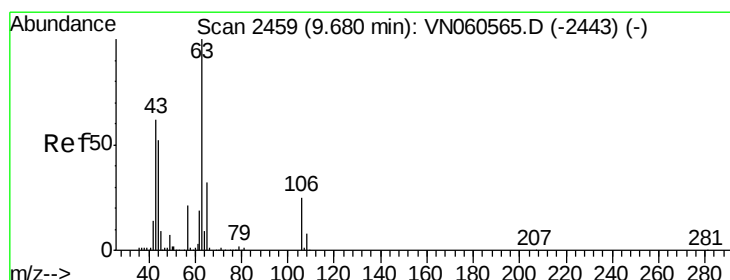
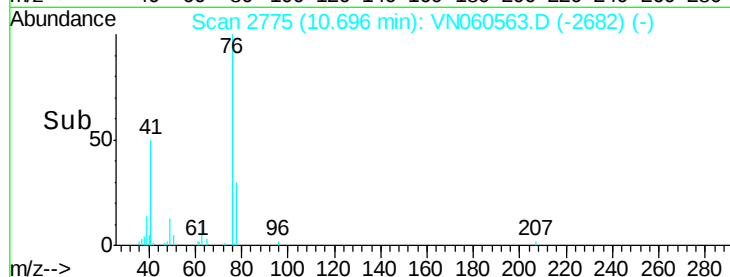
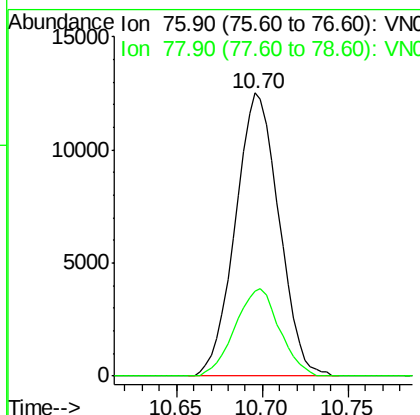
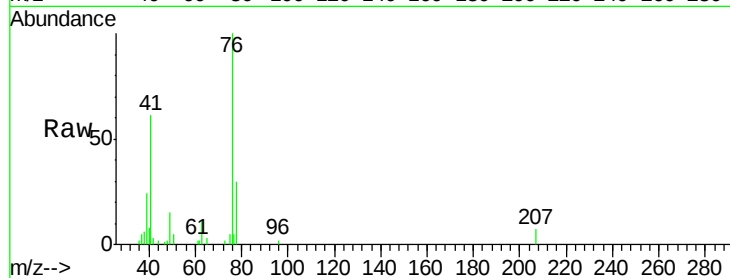
#57
 1,3-Dichloropropane
 Concen: 5.209 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	31.5	25.8	38.6	

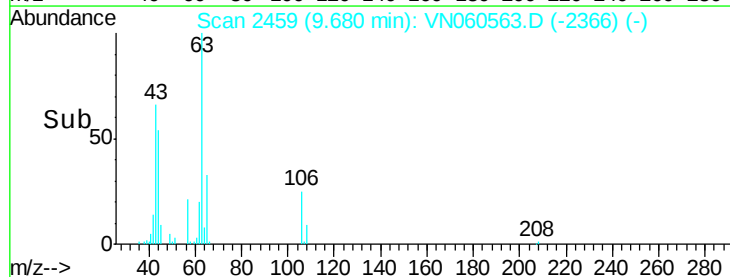
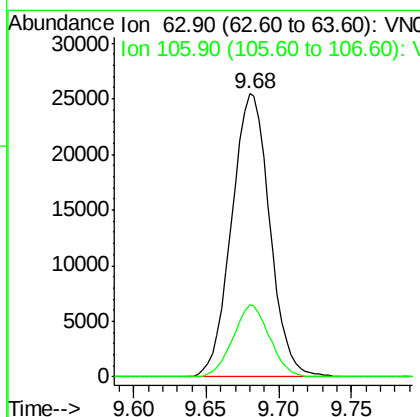
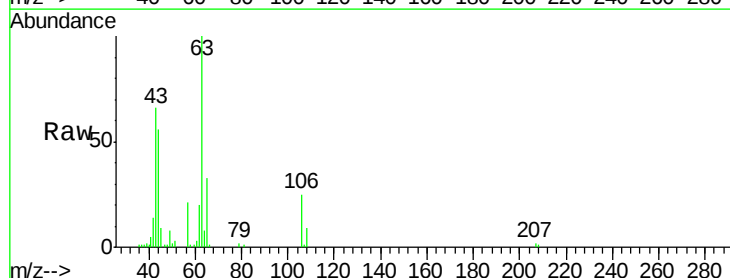
Manual Integrations
 APPROVED

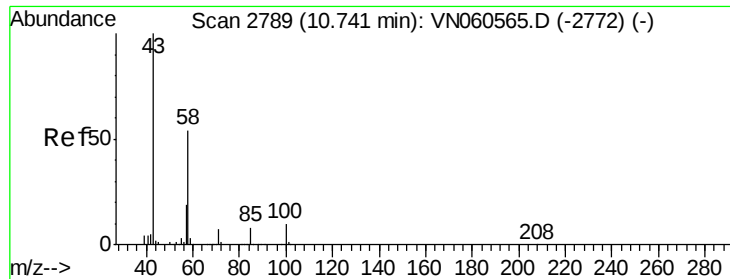
MMDadoda
 3/18/2020 7:00:36 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 23.796 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
106	24.3	20.0	30.0	





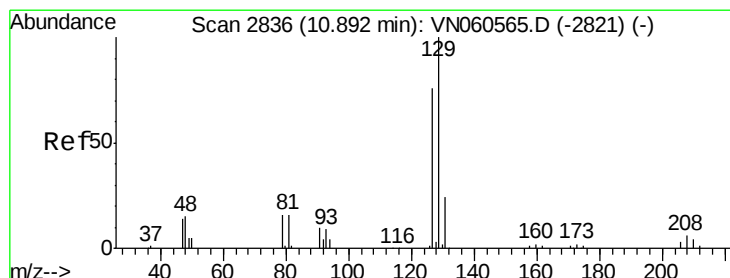
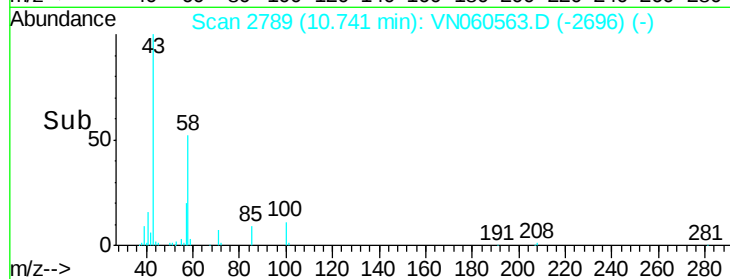
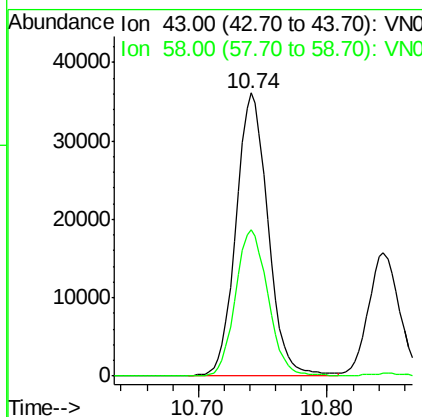
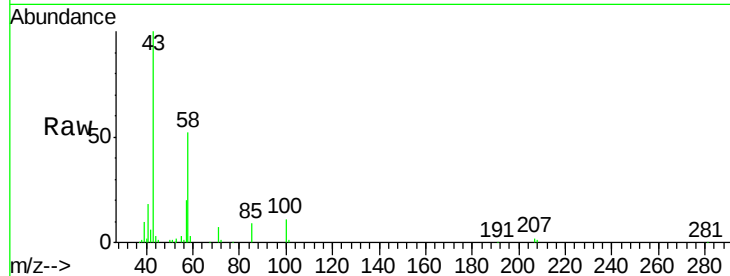
#59
2-Hexanone
Concen: 25.374 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 62487
Ion Ratio Lower Upper
43 100
58 52.3 26.7 80.1

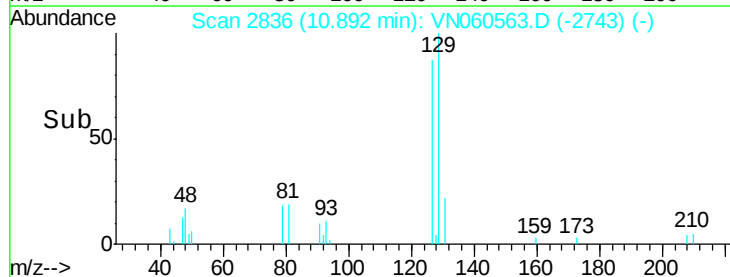
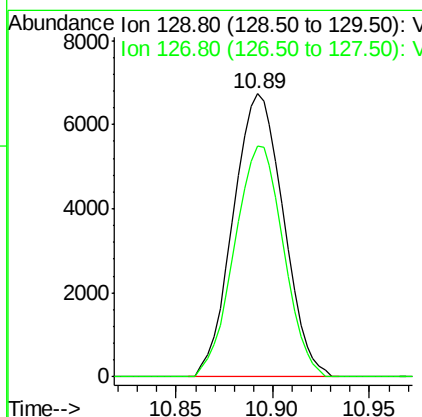
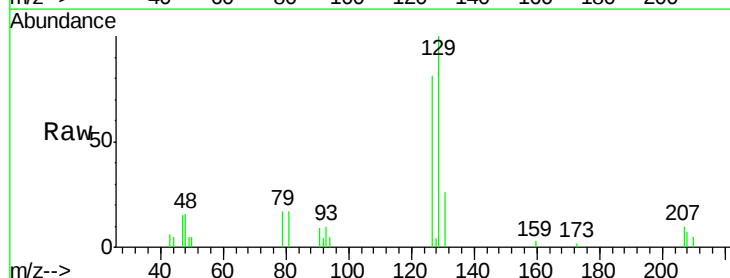
Manual Integrations
APPROVED

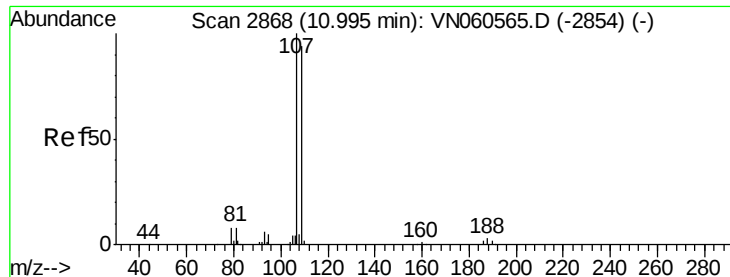
MMDadoda
3/18/2020 7:00:36 PM



#60
Dibromochloromethane
Concen: 4.622 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion: 129 Resp: 12155
Ion Ratio Lower Upper
129 100
127 79.7 38.5 115.5





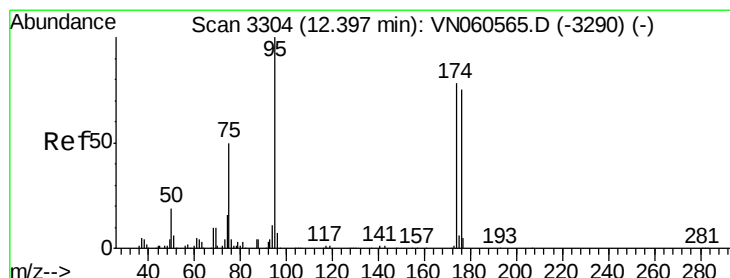
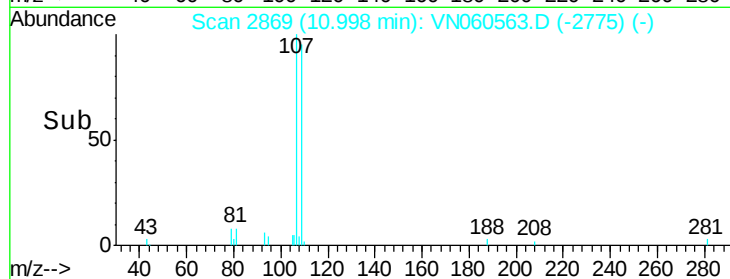
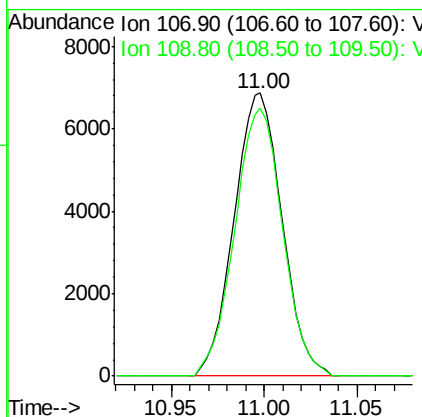
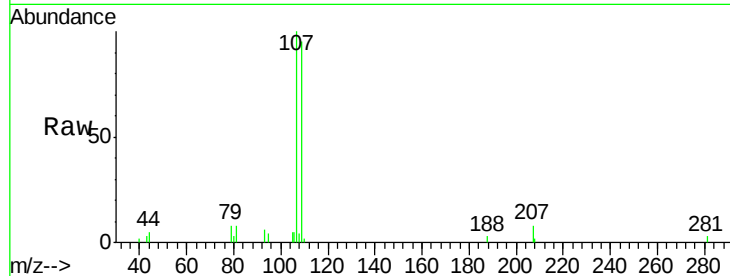
#61
1,2-Dibromoethane
Concen: 4.864 ug/l
RT: 11.00 min Scan# 2869
Delta R.T. 0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.4	113.2

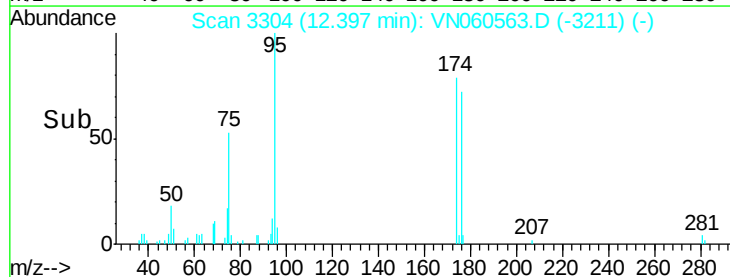
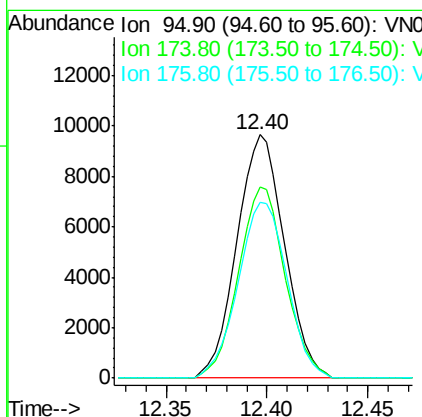
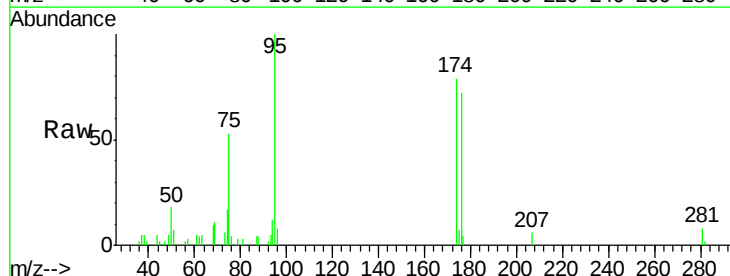
Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:36 PM



#62
4-Bromofluorobenzene
Concen: 4.808 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.2	0.0	157.6
176	74.1	0.0	150.6





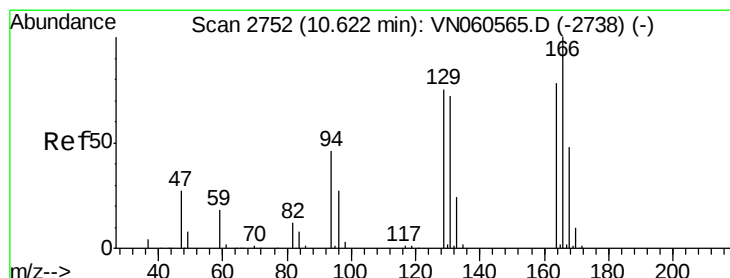
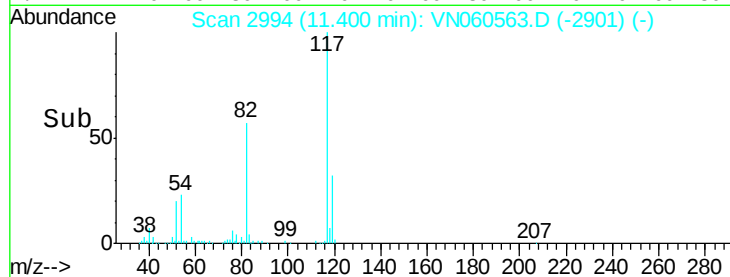
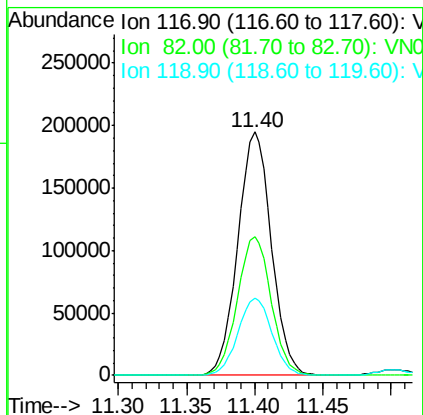
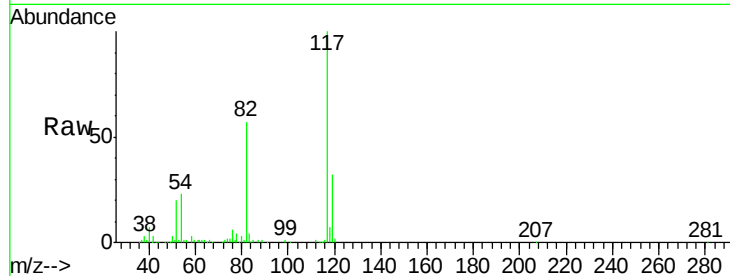
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	46.7	70.1
119	31.6	25.5	38.3

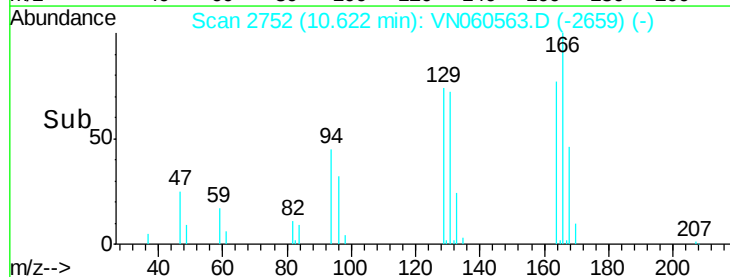
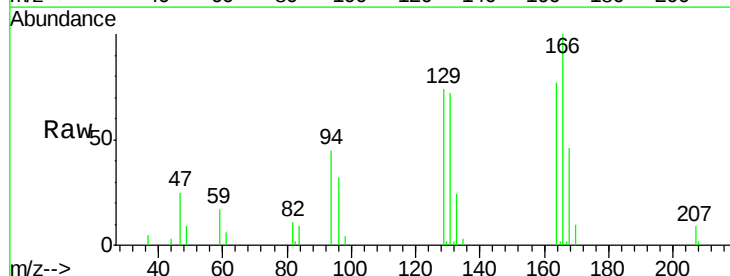
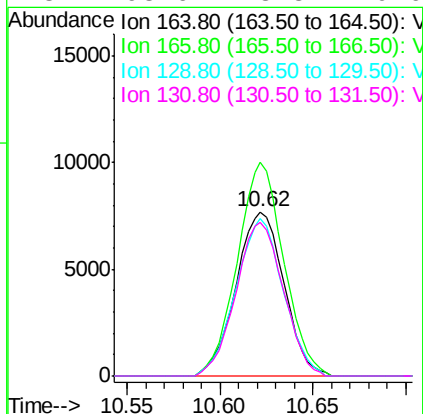
Manual Integrations
APPROVED

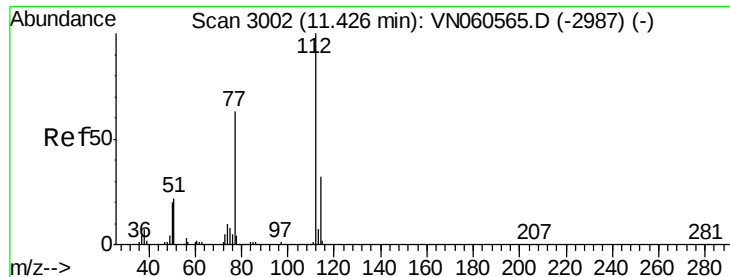
MMDadoda
3/18/2020 7:00:36 PM



#64
Tetrachloroethene
Concen: 4.709 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	102.7	154.1
129	95.9	77.2	115.8
131	93.6	73.8	110.6





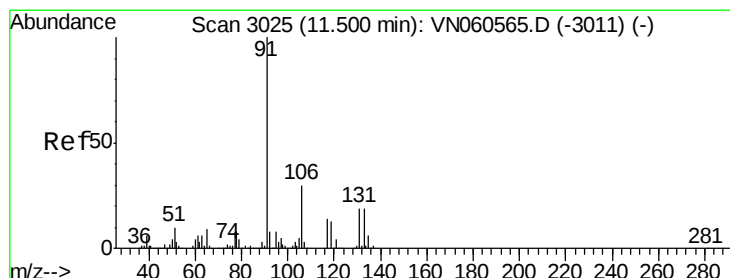
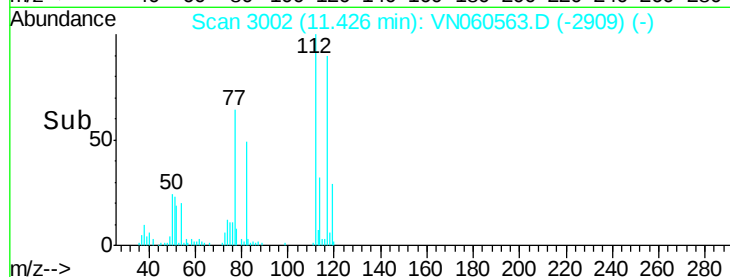
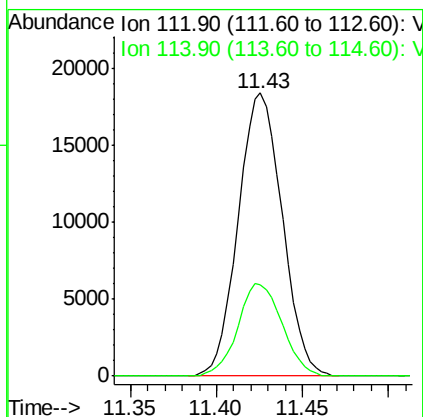
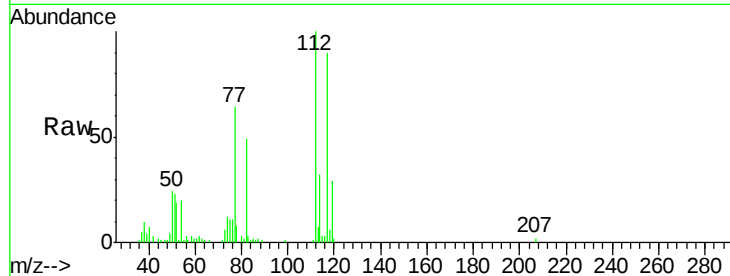
#65
Chlorobenzene
Concen: 4.848 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 32693
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.6

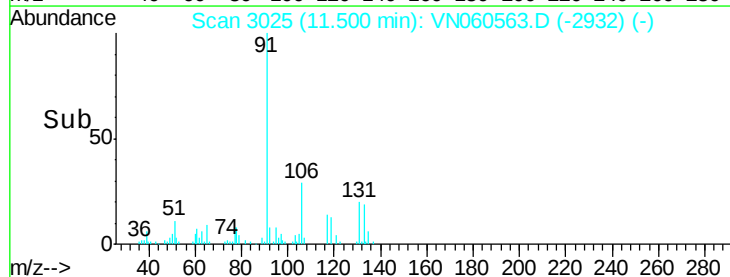
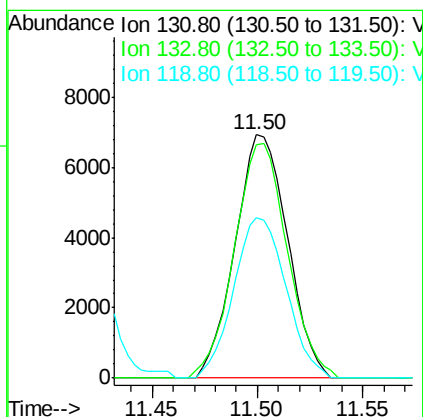
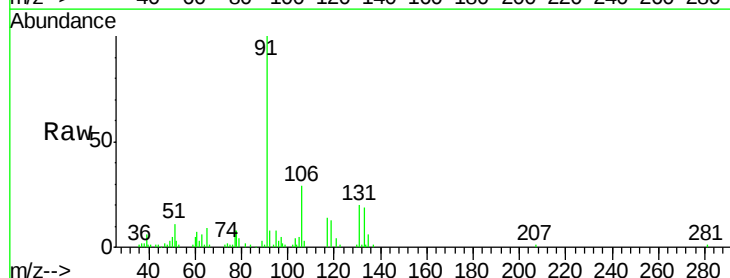
Manual Integrations
APPROVED

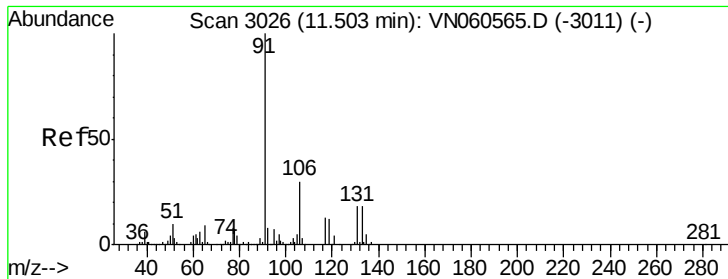
MMDadoda
3/18/2020 7:00:36 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.835 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion:131 Resp: 11979
Ion Ratio Lower Upper
131 100
133 97.5 48.9 146.8
119 65.8 33.9 101.7





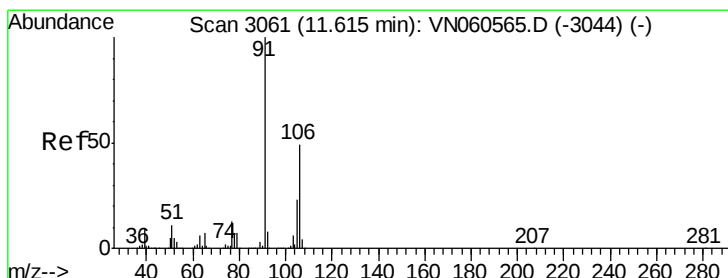
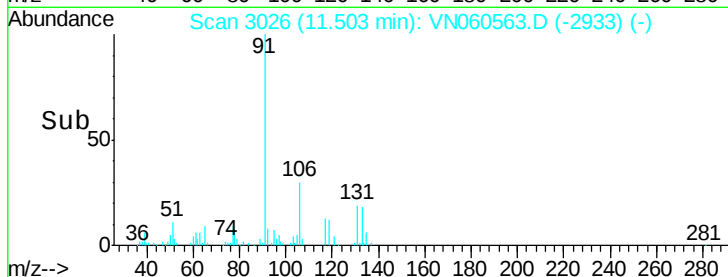
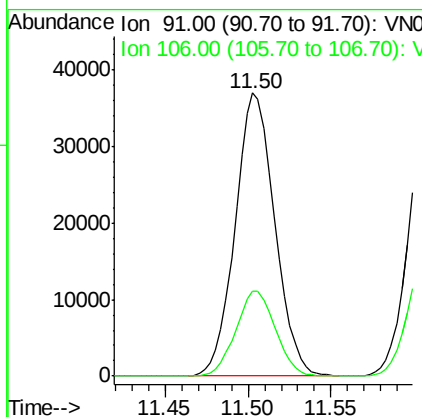
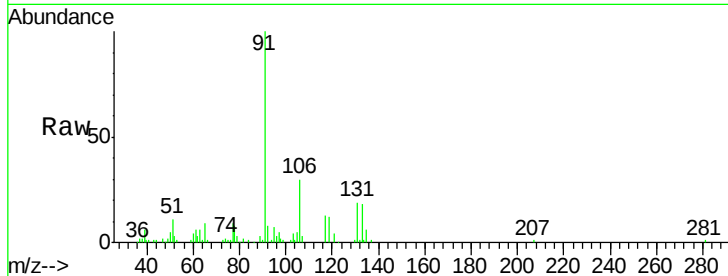
#67
Ethyl Benzene
Concen: 4.963 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 61226
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.2

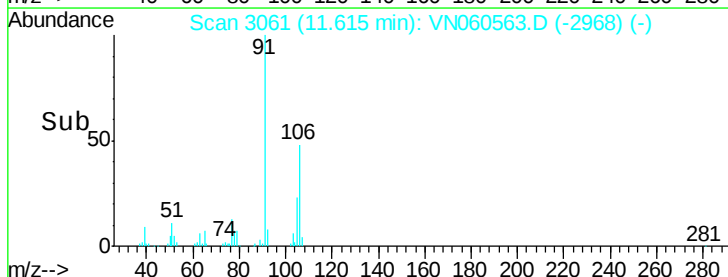
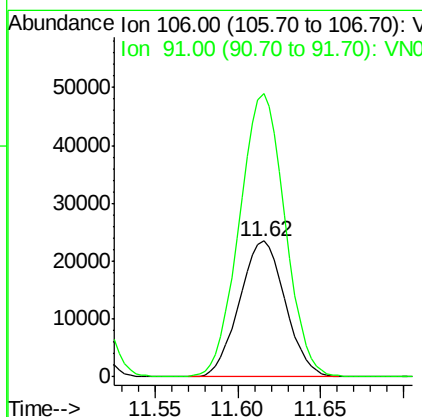
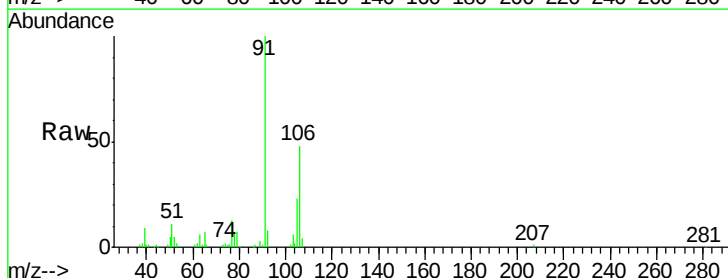
Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:36 PM



#68
m/p-Xylenes
Concen: 9.717 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion: 106 Resp: 45208
Ion Ratio Lower Upper
106 100
91 207.6 165.0 247.4





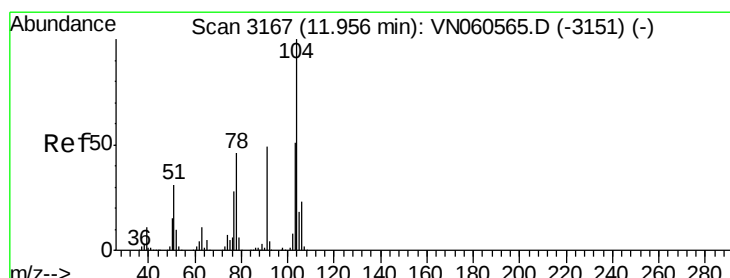
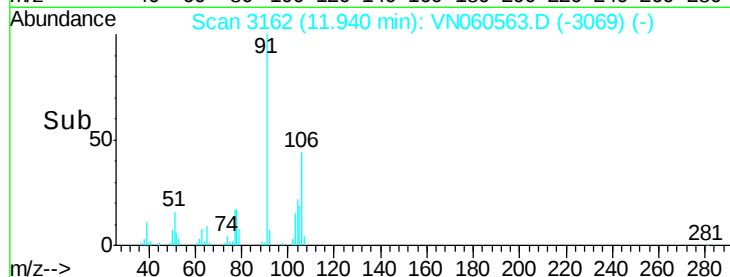
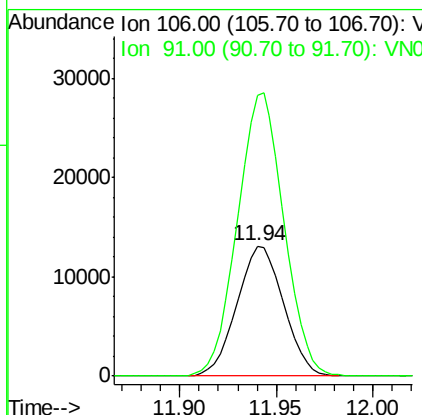
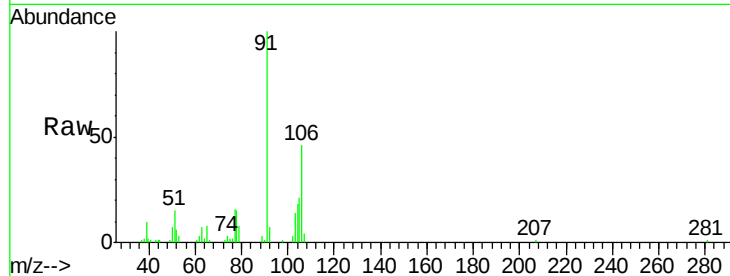
#69
o-Xylene
Concen: 4.956 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 21971
Ion Ratio Lower Upper
106 100
91 216.0 109.5 328.4

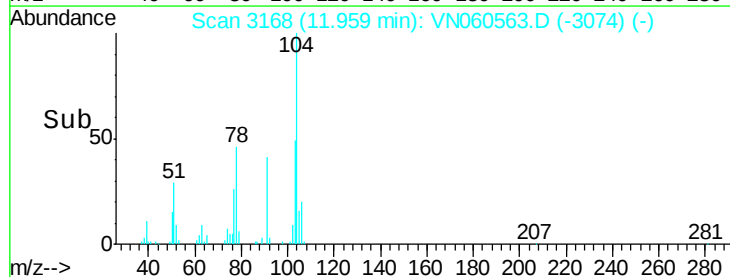
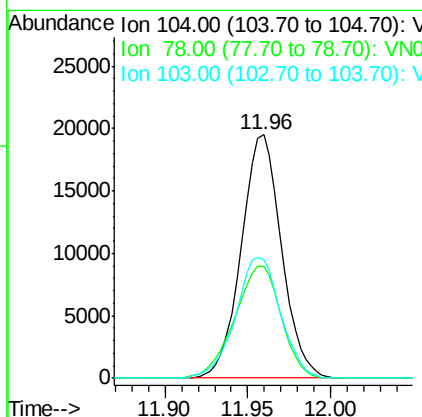
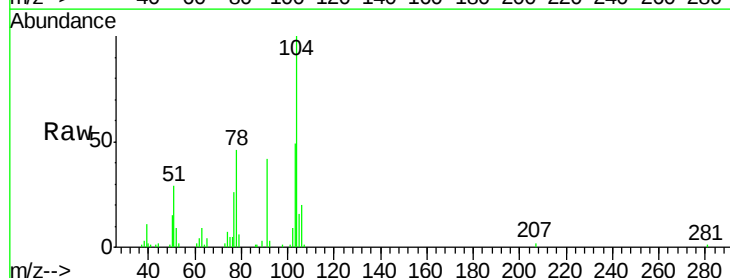
Manual Integrations
APPROVED

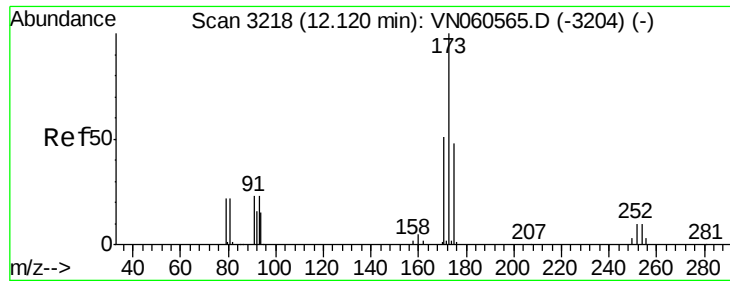
MMDadoda
3/18/2020 7:00:36 PM



#70
Styrene
Concen: 4.521 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion:104 Resp: 32923
Ion Ratio Lower Upper
104 100
78 52.9 41.2 61.8
103 55.2 44.0 66.0





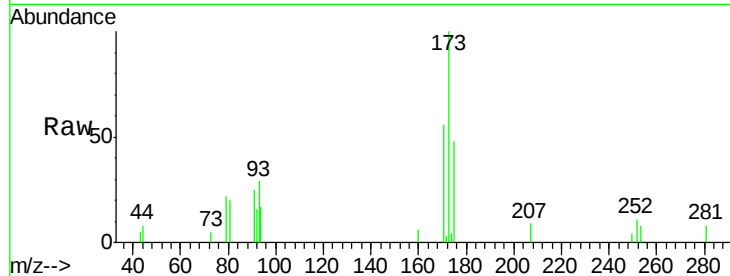
#71
Bromoform
Concen: 4.646 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.1	24.1	72.4
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:36 PM

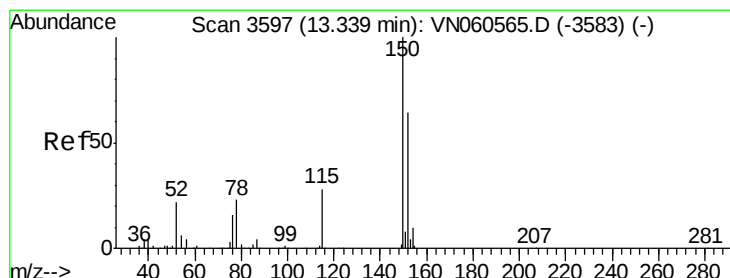
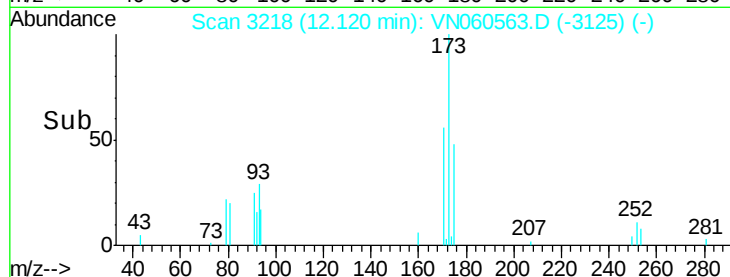
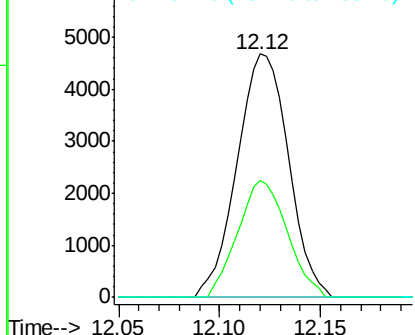


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

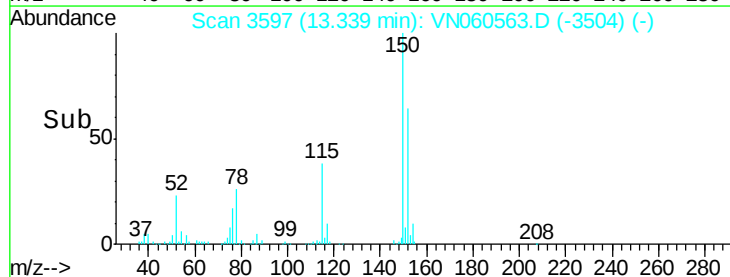
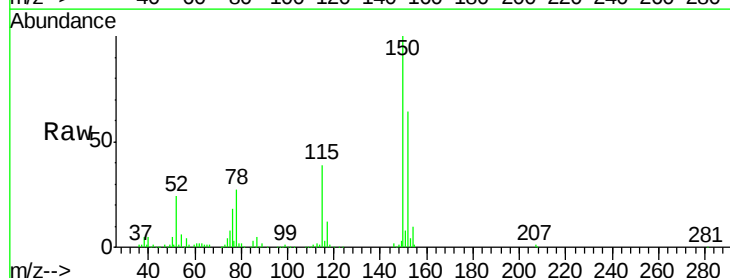
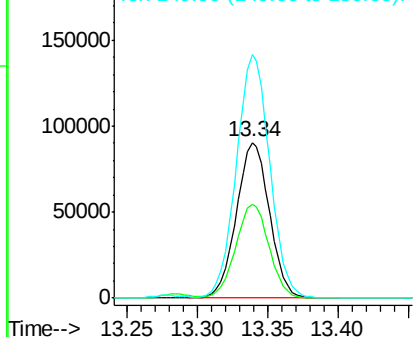
Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	30.2	90.6
150	158.8	0.0	350.2

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: 5.171 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 57439

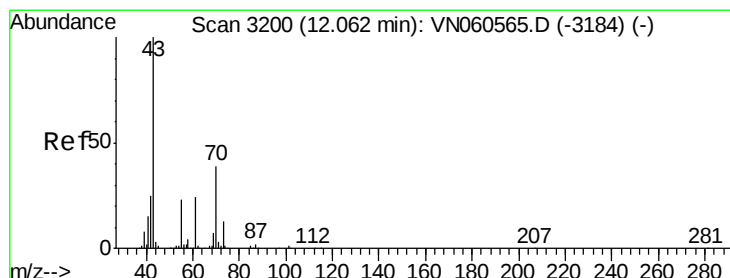
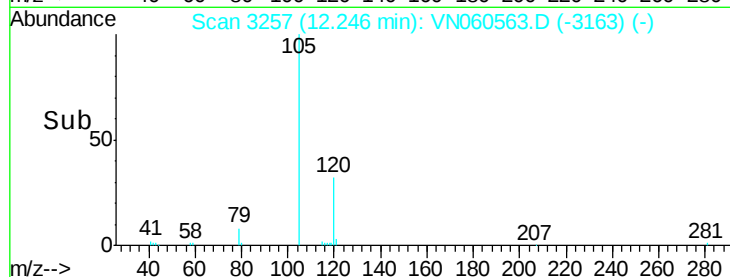
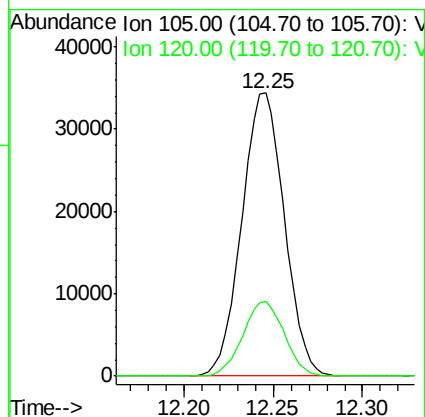
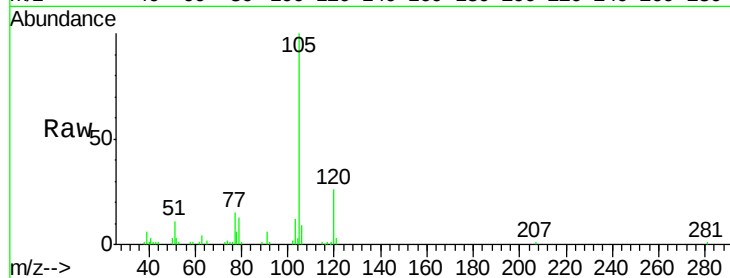
Ion Ratio Lower Upper

105 100

120 25.6 13.1 39.1

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:36 PM



#74

N-ethyl acetate

Concen: 4.906 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Tgt Ion: 43 Resp: 24081

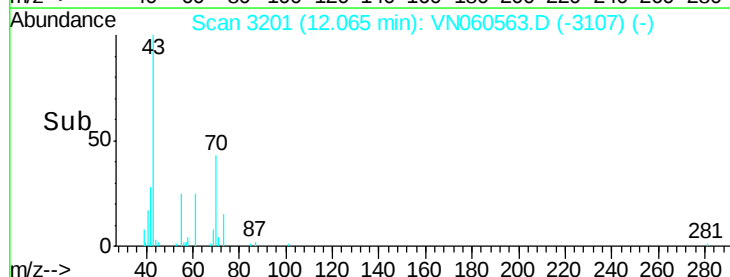
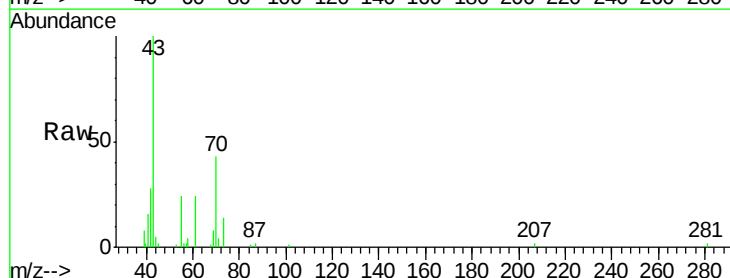
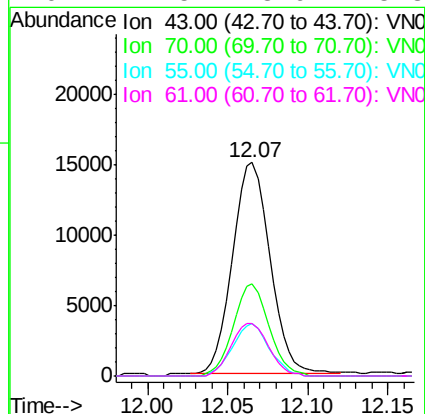
Ion Ratio Lower Upper

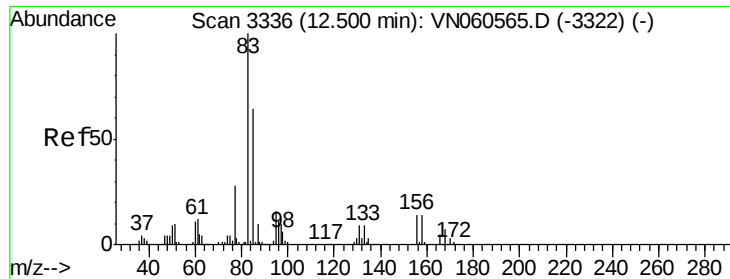
43 100

70 41.0 31.1 46.7

55 23.9 18.6 27.8

61 24.5 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 5.576 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

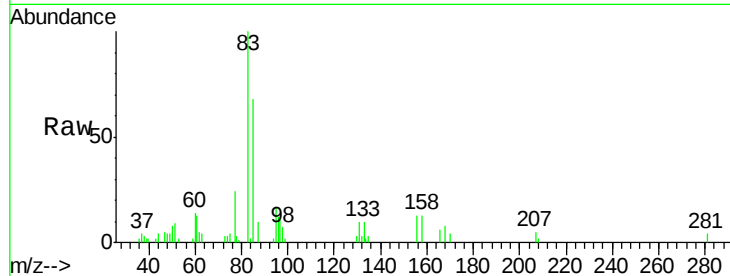
ClientSampleId :

VSTDIC005

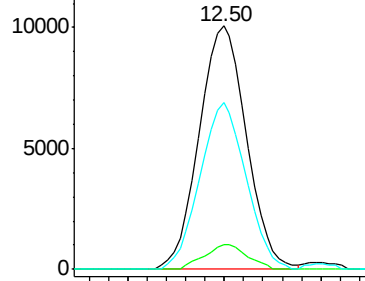
Tot Ion:	83	Resp:	17089
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.9	14.7
85	66.6	32.5	97.4

Manual Integrations
APPROVED

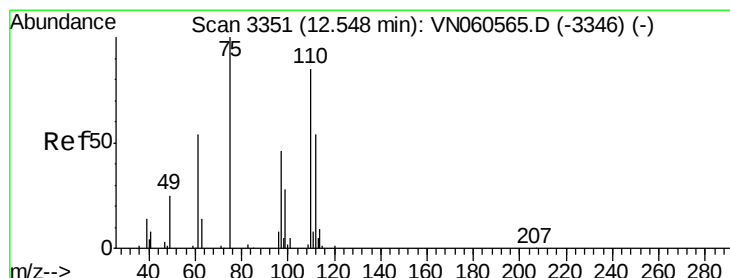
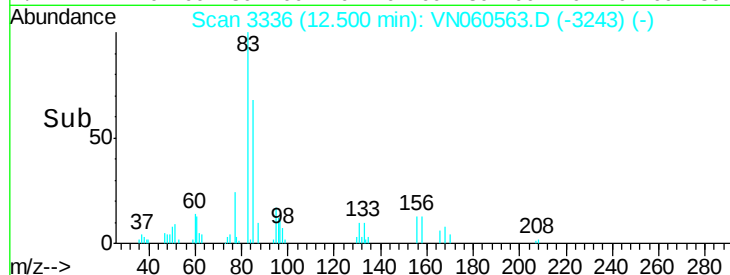
MMDadoda
3/18/2020 7:00:36 PM



Abundance Ion 82.90 (82.60 to 83.60): VN060563.D (-3322) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 5.623 ug/l m

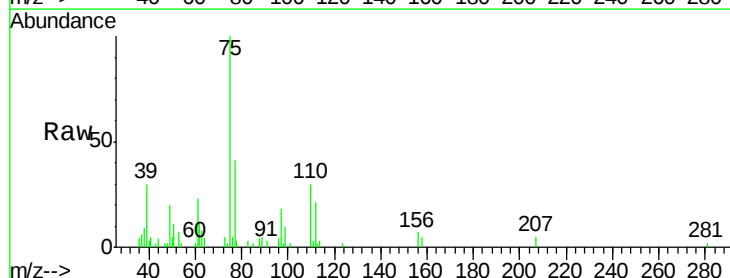
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

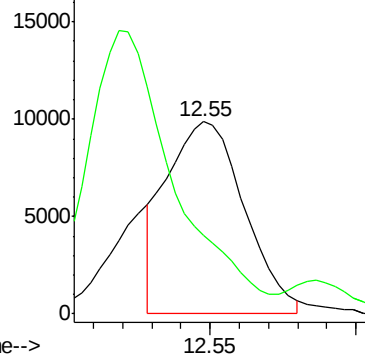
Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

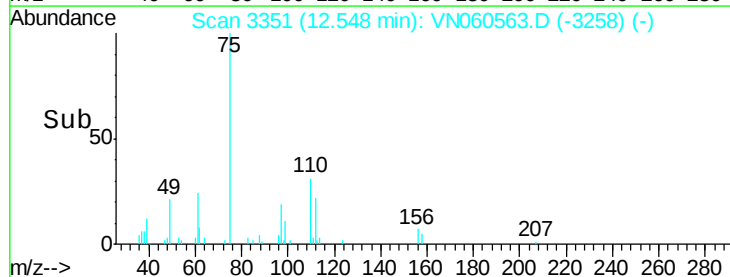
Tgt Ion:	75	Resp:	18255
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

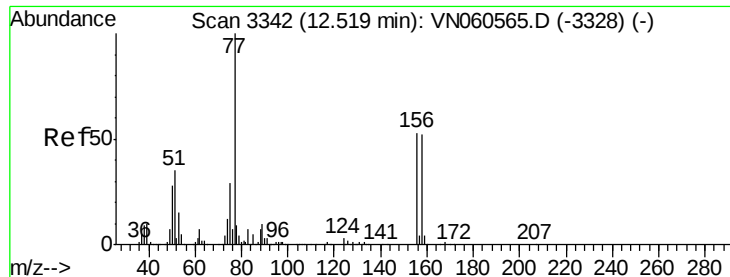


Abundance Ion 74.90 (74.60 to 75.60): VN060563.D (-3351) (-)



Time-->





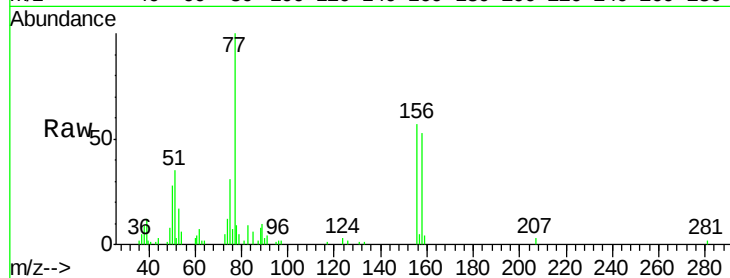
#77
Bromobenzene
Concen: 5.103 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

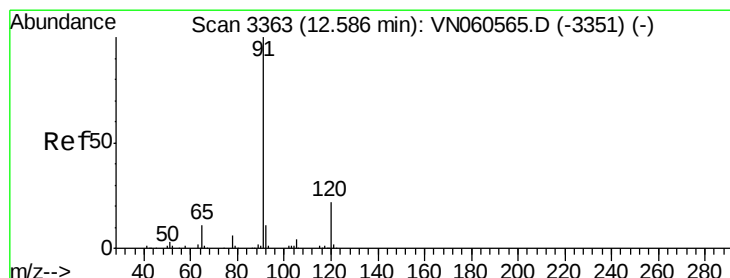
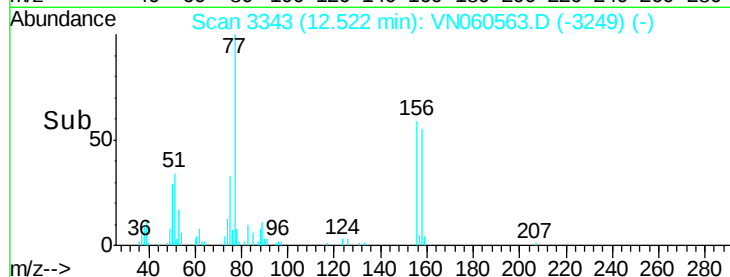
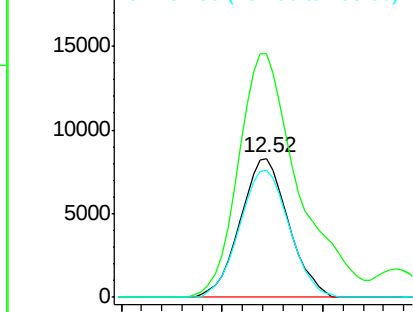
Tot Ion	Ratio	Lower	Upper
156	100		
77	219.0	112.3	337.0
158	94.8	48.6	145.8

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:36 PM

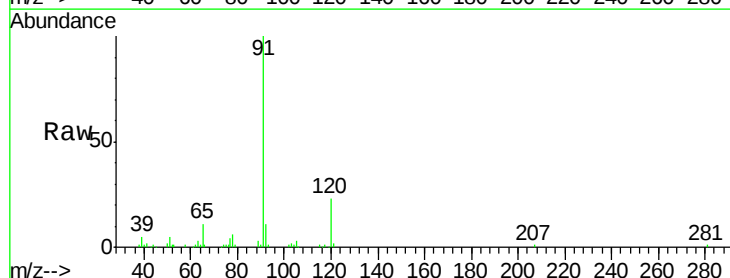


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

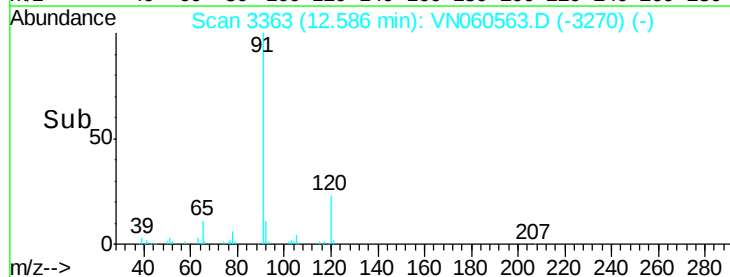
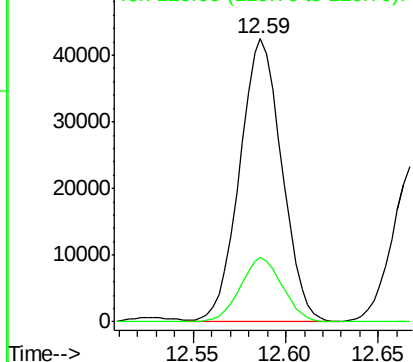


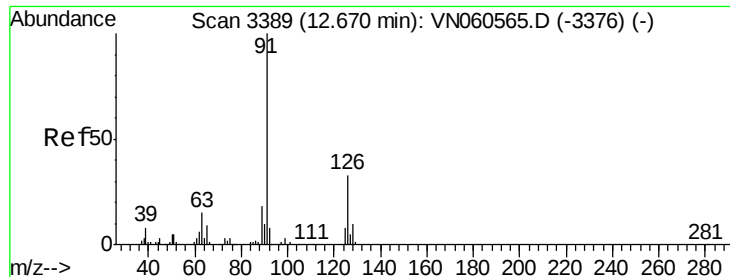
#78
n-propylbenzene
Concen: 5.142 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.8



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





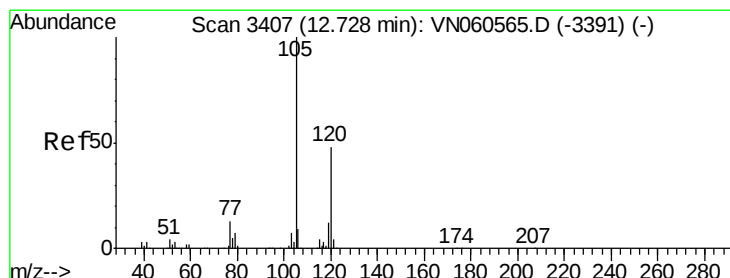
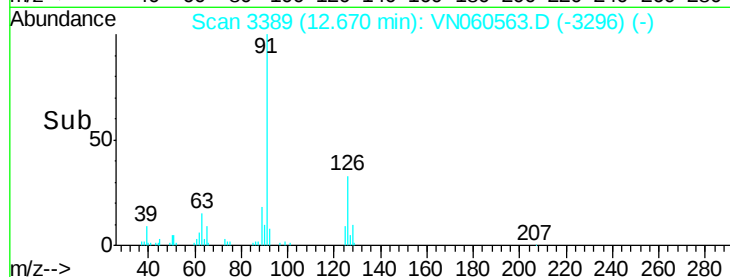
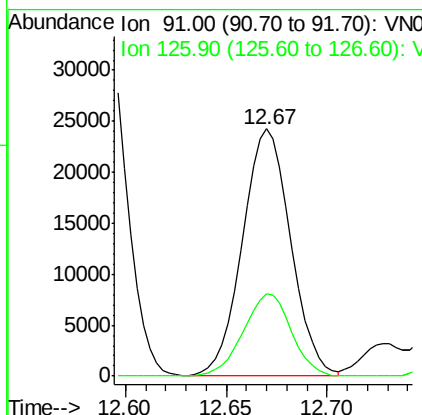
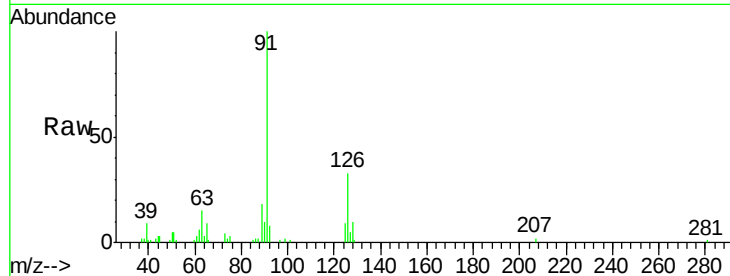
#79
2-Chlorotoluene
Concen: 5.300 ug/l
RT: 12.67 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 40738
Ion Ratio Lower Upper
91 100
126 32.9 16.4 49.1

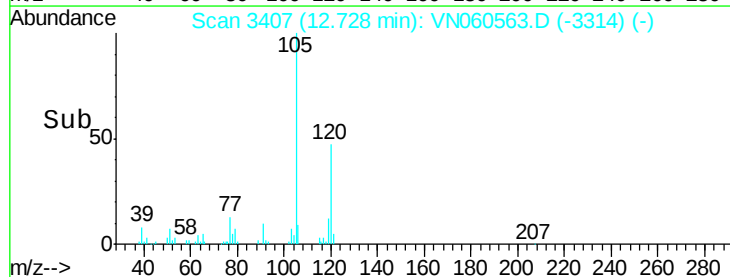
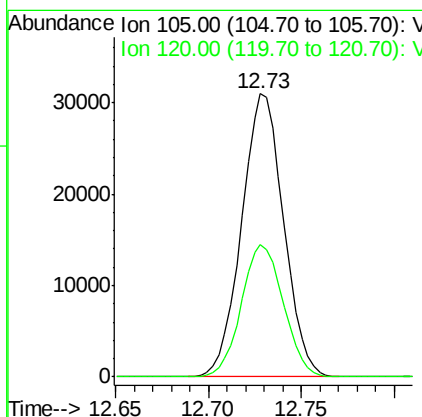
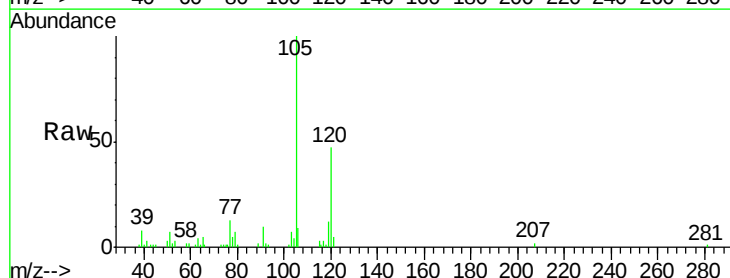
Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:36 PM



#80
1,3,5-Trimethylbenzene
Concen: 5.195 ug/l
RT: 12.73 min Scan# 3407
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion: 105 Resp: 48603
Ion Ratio Lower Upper
105 100
120 46.7 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 4.914 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 5868

Ion Ratio Lower Upper

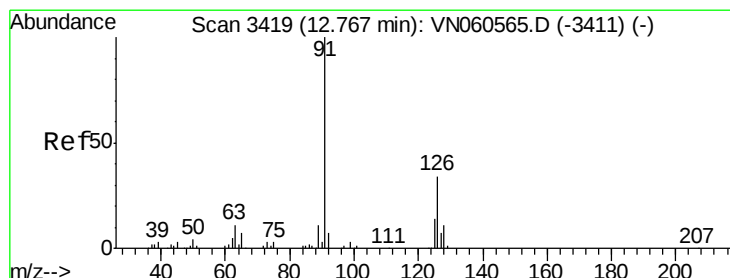
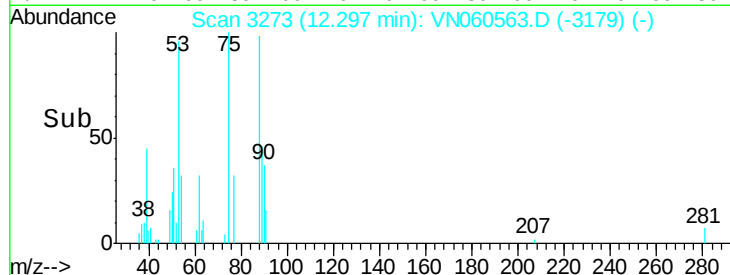
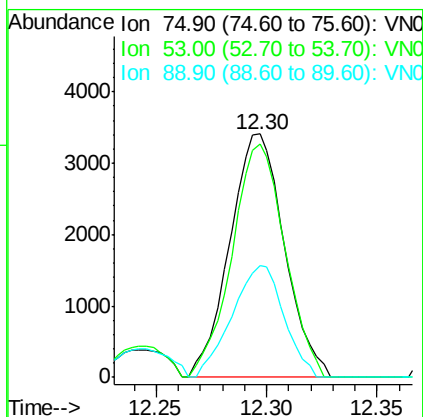
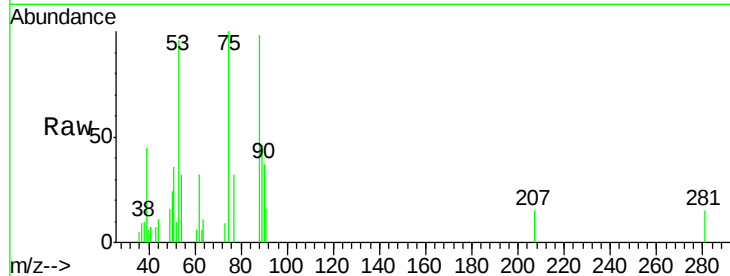
75 100

53 92.8 73.0 109.4

89 43.5 34.8 52.2

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:36 PM



#82

4-Chlorotoluene

Concen: 5.071 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060563.D

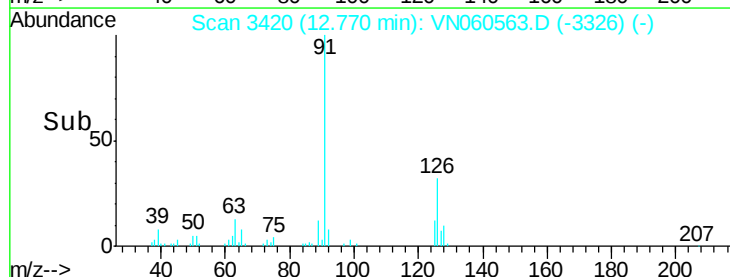
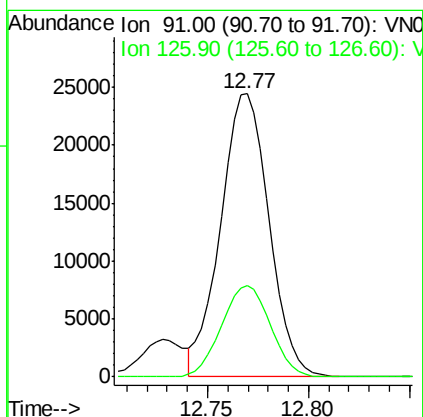
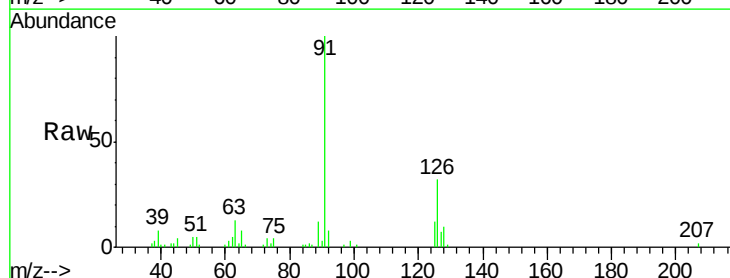
Acq: 17 Mar 2020 18:27

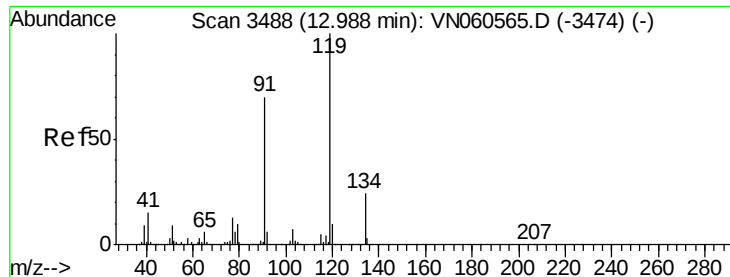
Tgt Ion: 91 Resp: 41002

Ion Ratio Lower Upper

91 100

126 32.5 16.2 48.5





#83

tert-Butylbenzene

Concen: 5.110 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

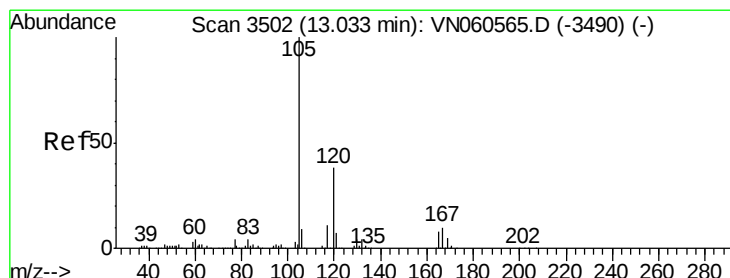
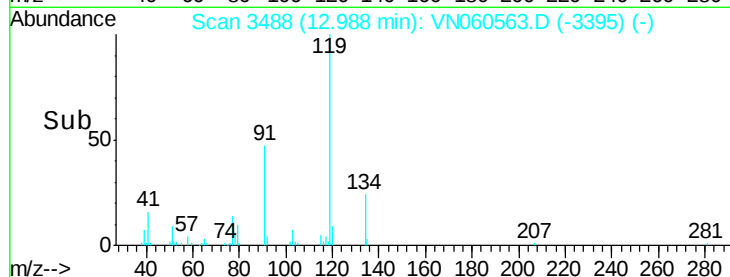
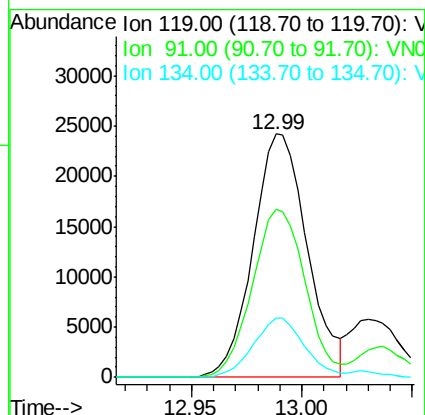
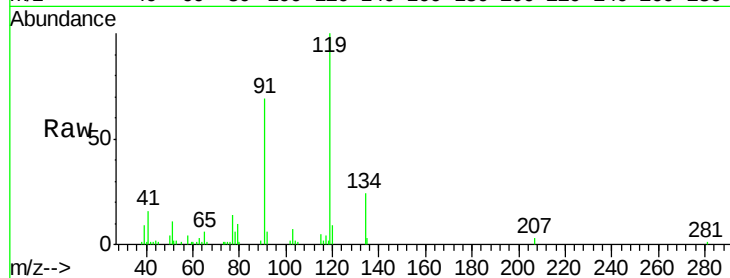
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	41107
Ion	Ratio	Lower	Upper
119	100		
91	67.6	34.0	101.8
134	23.0	12.7	38.0

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:36 PM



#84

1,2,4-Trimethylbenzene

Concen: 5.020 ug/l

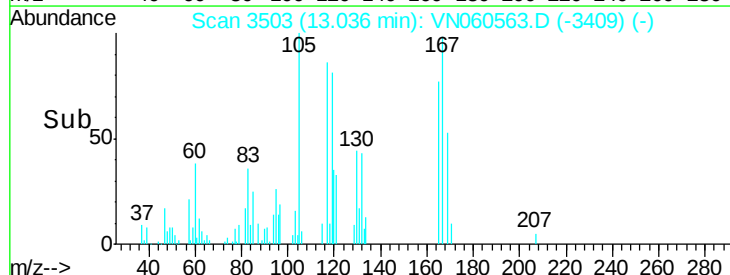
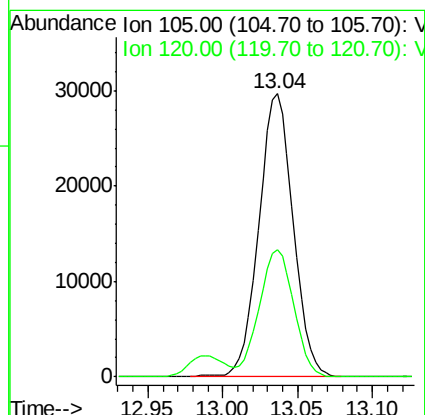
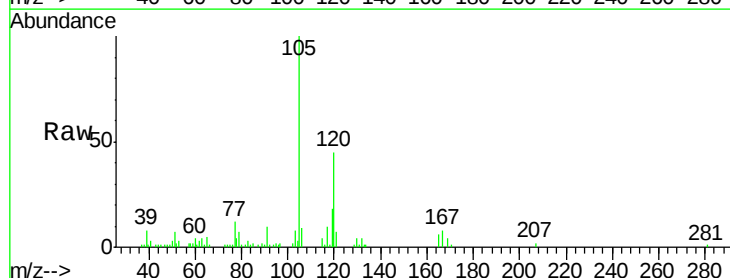
RT: 13.04 min Scan# 3503

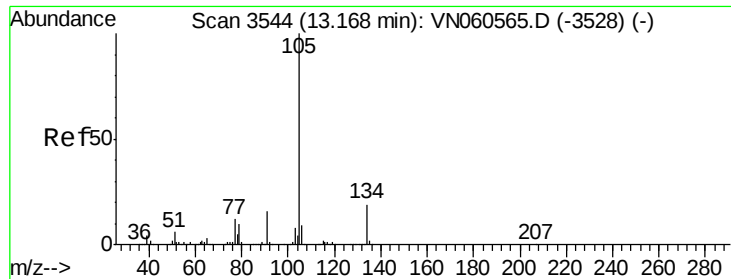
Delta R.T. 0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Tgt Ion:	105	Resp:	47320
Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.1	66.5





#85

sec-Butylbenzene

Concen: 5.013 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 54119

Ion Ratio Lower Upper

105 100

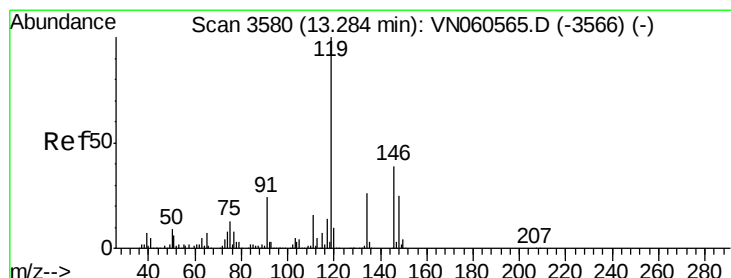
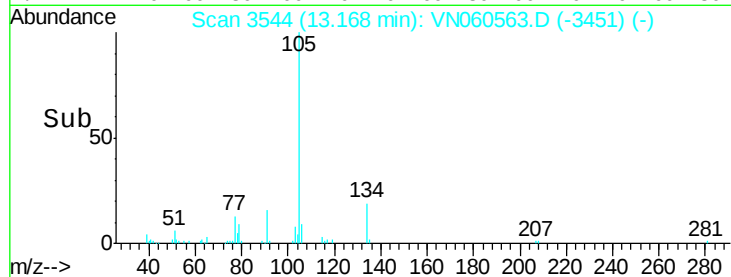
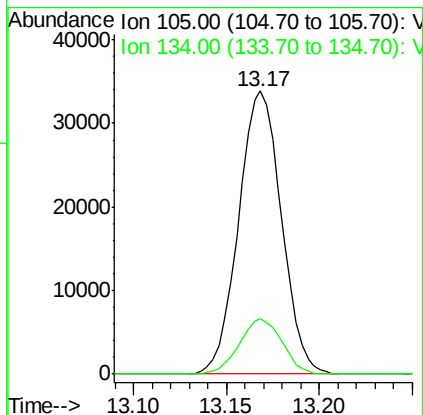
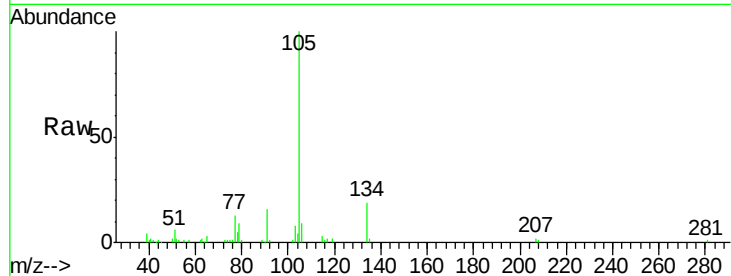
134 19.4 9.6 28.8

Manual Integrations

APPROVED

MMDadoda

3/18/2020 7:00:36 PM



#86

p-Isopropyltoluene

Concen: 4.796 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

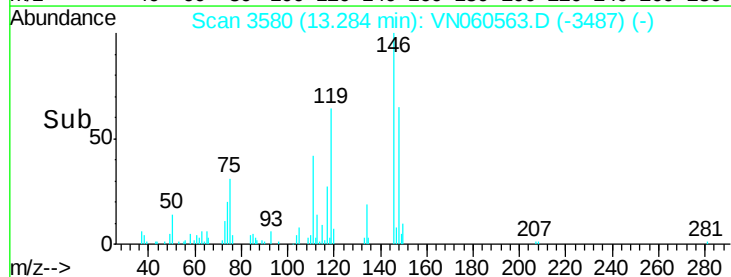
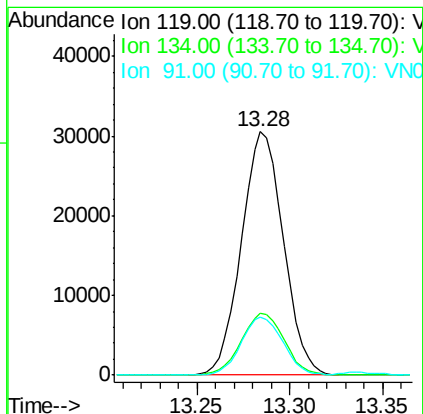
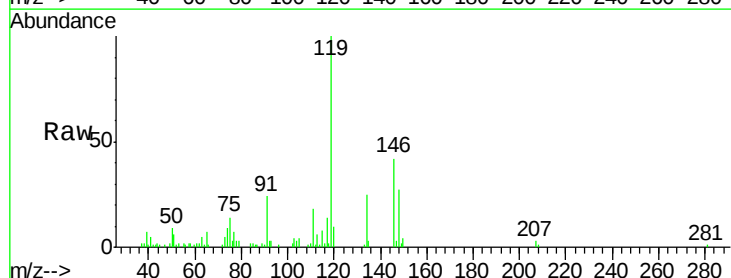
Tgt Ion:119 Resp: 47813

Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

91 23.8 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 4.648 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060563.D

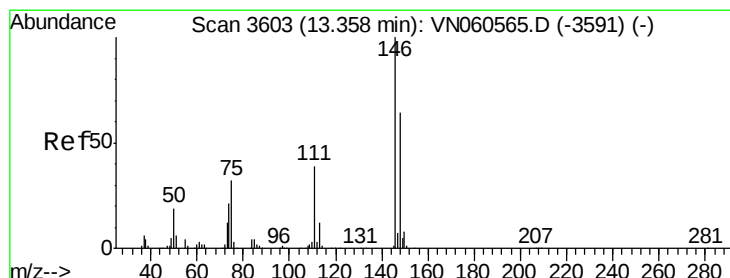
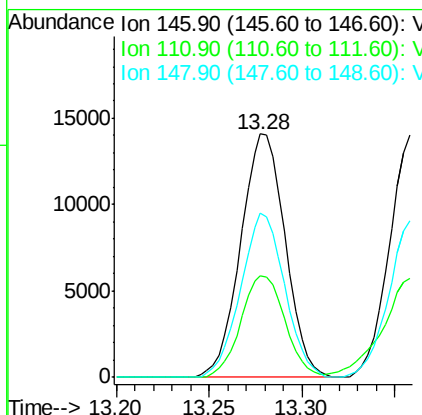
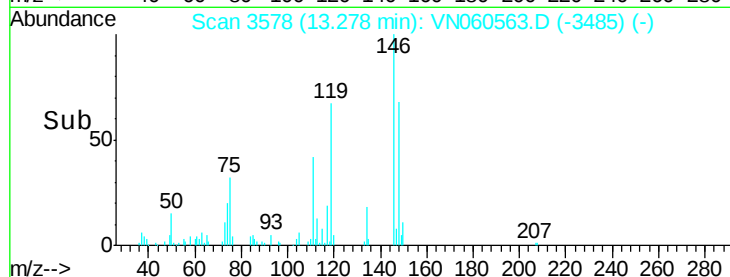
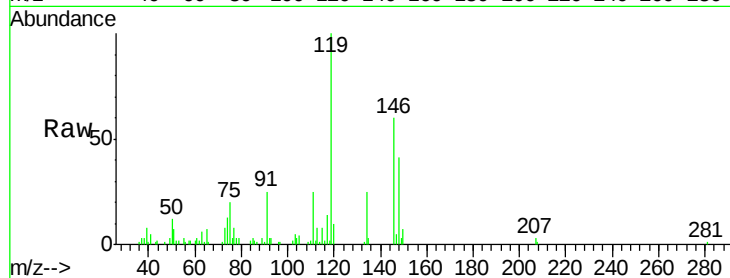
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.3	60.8
148	66.5	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:36 PM



#88

1,4-Dichlorobenzene

Concen: 4.683 ug/l

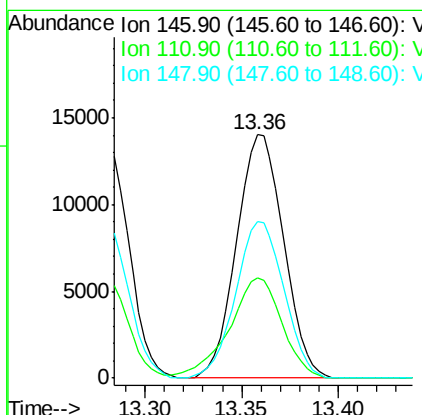
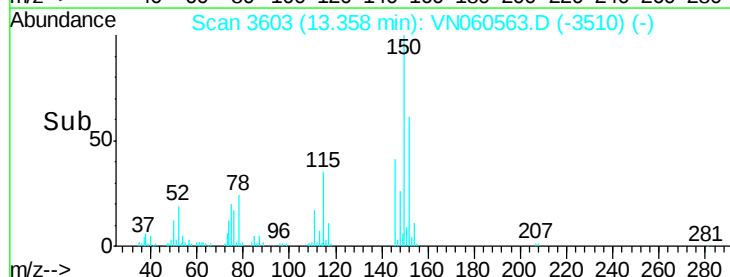
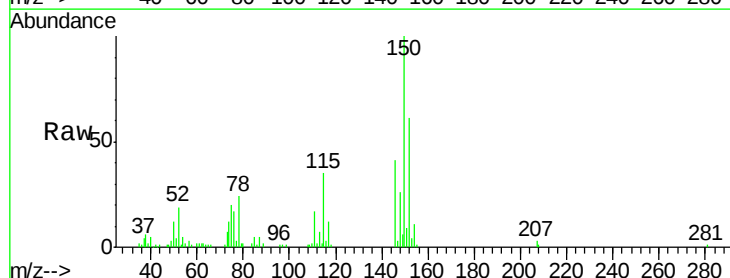
RT: 13.36 min Scan# 3603

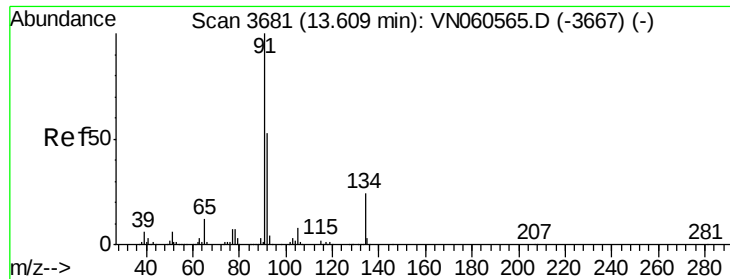
Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.3	19.6	58.7
148	66.0	32.1	96.3





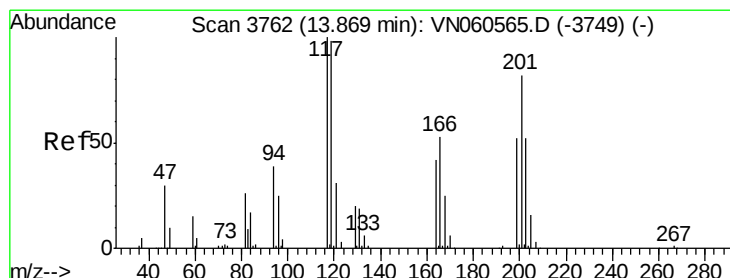
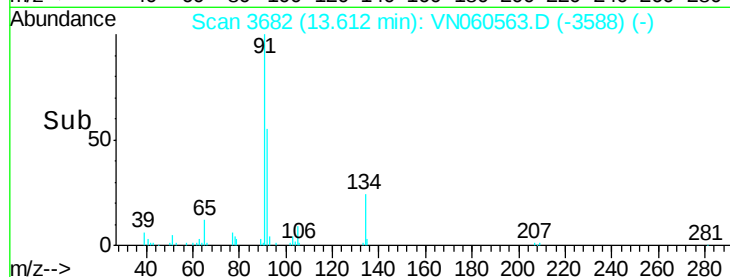
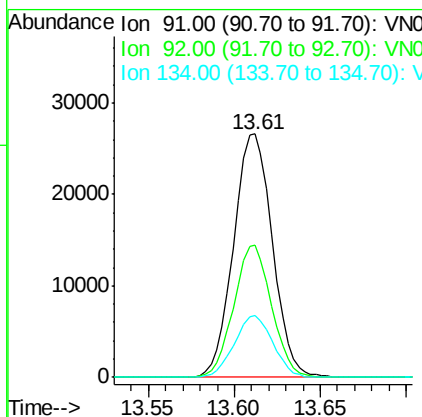
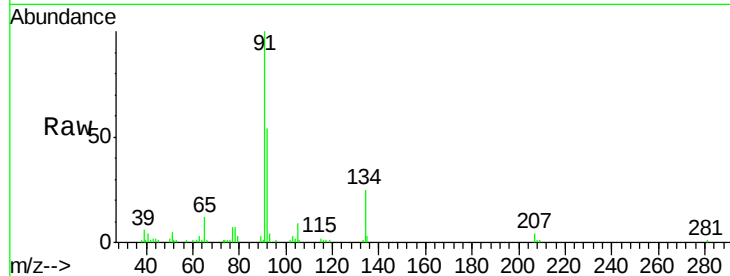
#89
n-Butylbenzene
Concen: 4.566 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.2	78.5
134	25.0	12.3	36.9

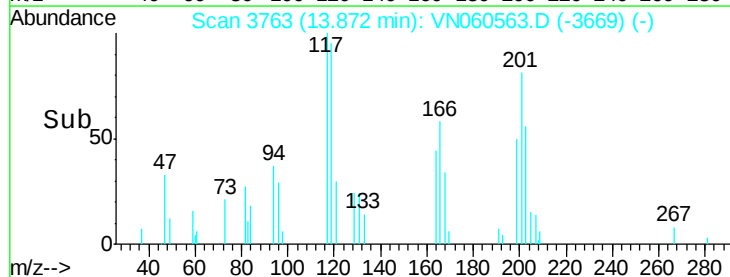
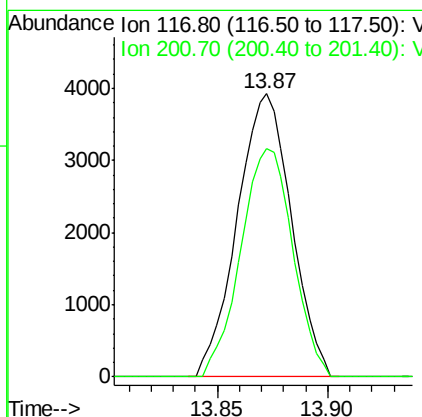
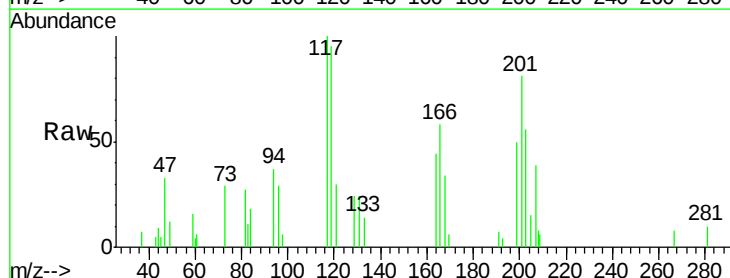
Manual Integrations
APPROVED

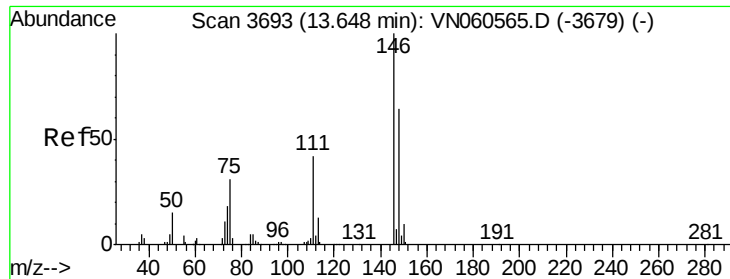
MMDadoda
3/18/2020 7:00:36 PM



#90
Hexachloroethane
Concen: 4.644 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.5	40.8	122.5





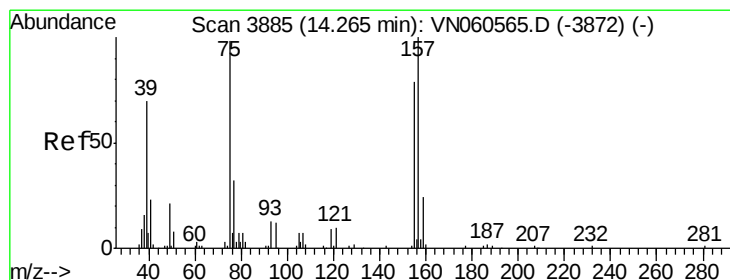
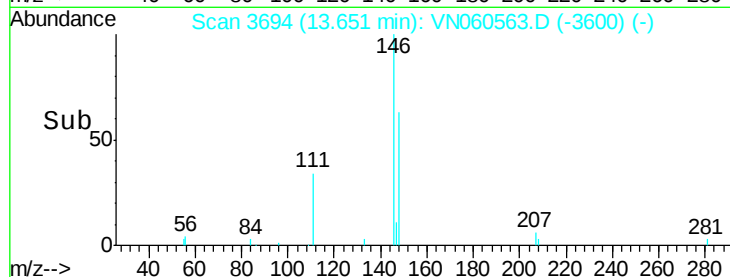
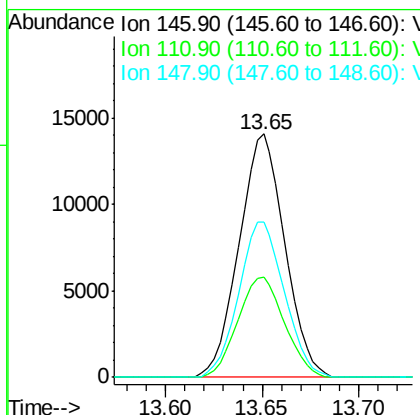
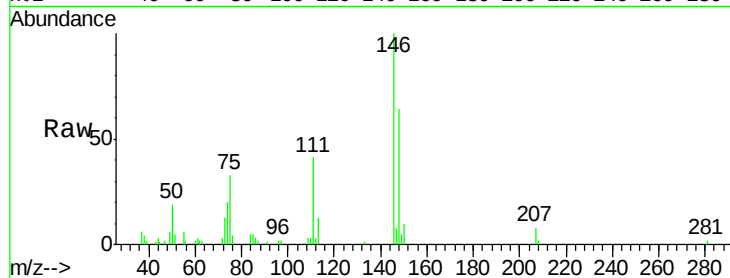
#91
 1,2-Dichlorobenzene
 Concen: 4.868 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.0	63.0
148	63.5	31.9	95.5

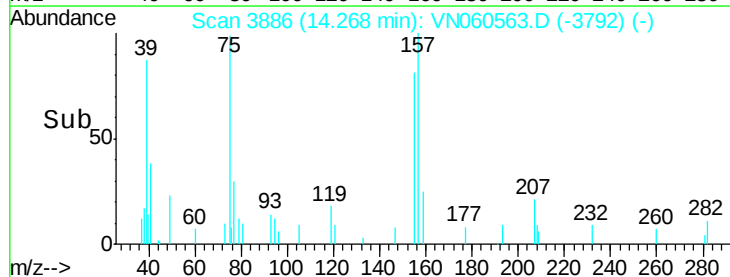
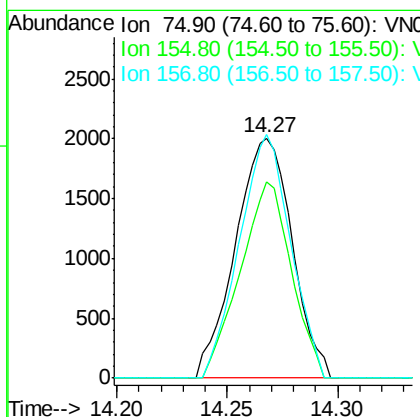
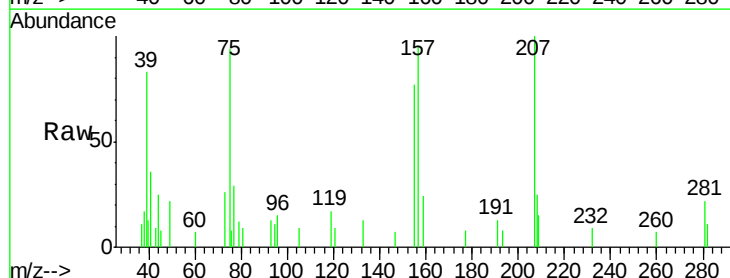
Manual Integrations
 APPROVED

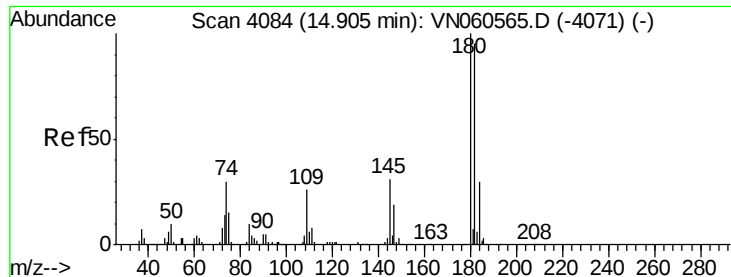
MMDadoda
 3/18/2020 7:00:36 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.226 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.6	40.7	122.1
157	91.5	51.5	154.7





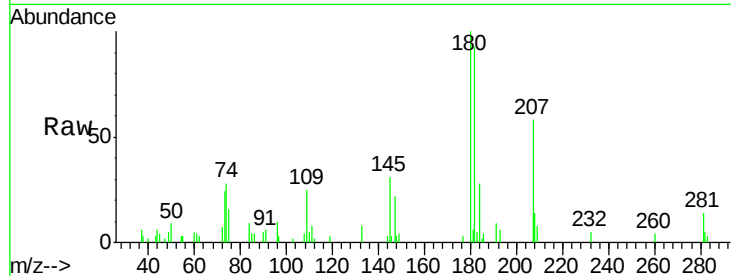
#93
 1,2,4-Trichlorobenzene
 Concen: 3.891 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

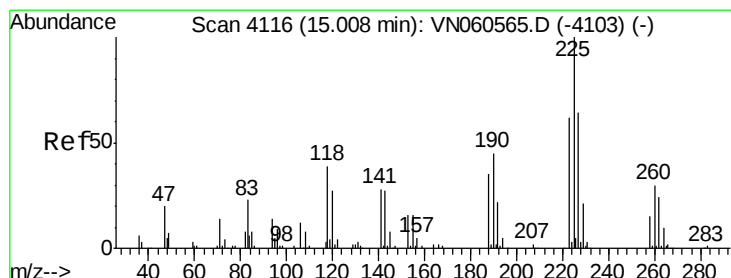
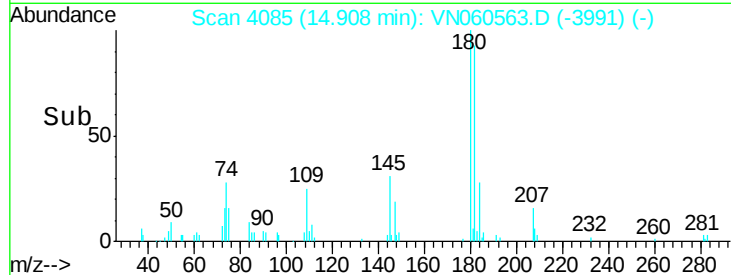
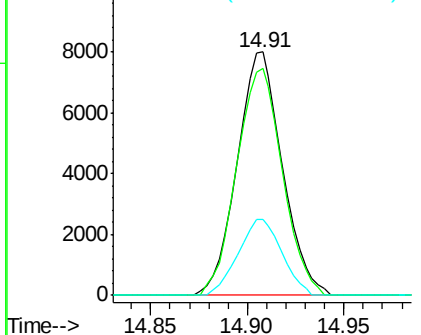
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.9	143.8
145	30.1	15.4	46.2

Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 7:00:36 PM

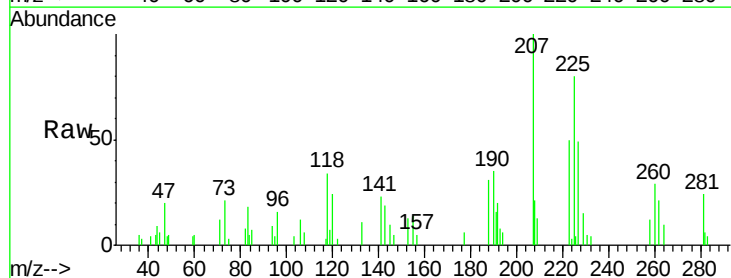


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

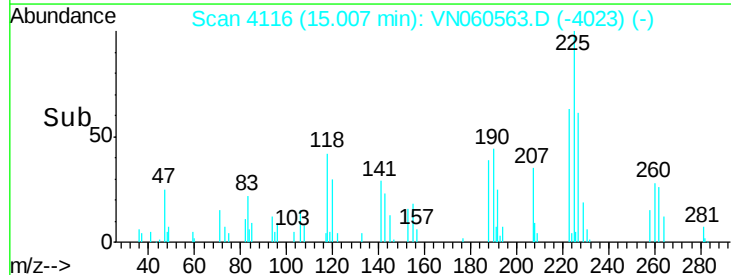
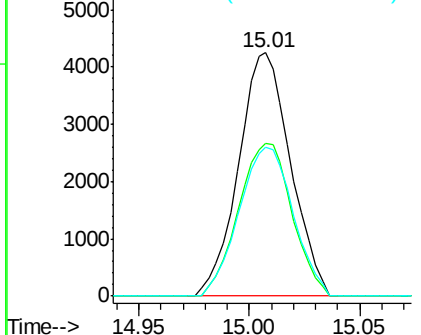


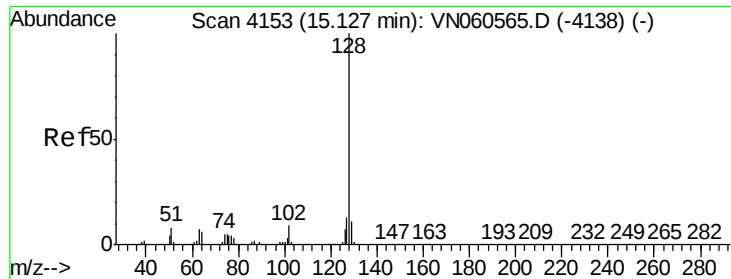
#94
 Hexachlorobutadiene
 Concen: 4.387 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.6	95.0
227	63.7	32.3	96.8



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





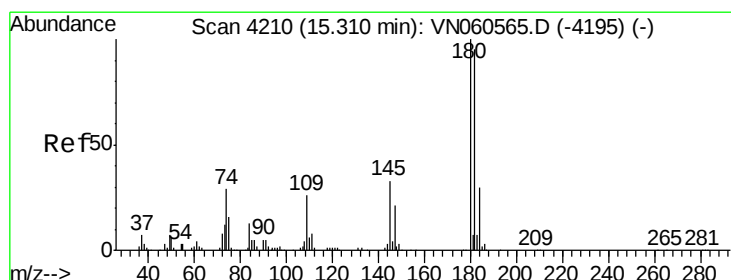
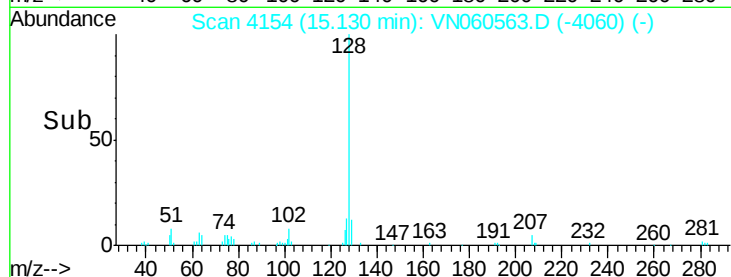
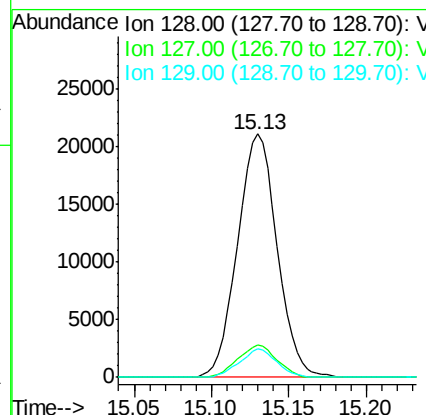
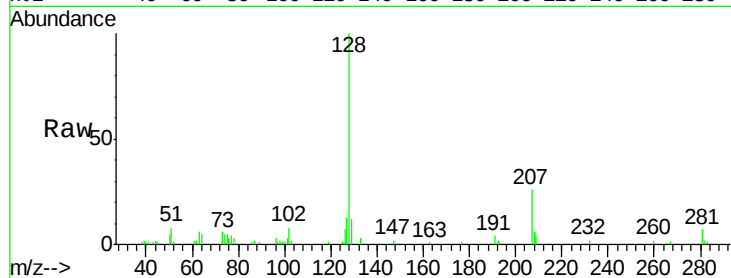
#95
Naphthalene
Concen: 3.891 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:36 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.046 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.3	47.5	142.6
145	33.4	16.3	48.8

