

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060581.D
 Acq On : 18 Mar 2020 10:58
 Operator : JC/MD
 Sample : VN0318WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:02:49 PM

Quant Time: Mar 19 05:27:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	222126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	363652	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	330128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	151123	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	142816	46.84	ug/l	0.00
Spiked Amount			Recovery	=	93.68%	
35) Dibromofluoromethane	7.56	113	105720	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
50) Toluene-d8	10.08	98	429766	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
62) 4-Bromofluorobenzene	12.40	95	154673	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	41451	19.286	ug/l	98
3) Chloromethane	2.04	50	68083	16.961	ug/l	99
4) Vinyl Chloride	2.16	62	56134	17.879	ug/l	99
5) Bromomethane	2.54	94	25293	18.662	ug/l	97
6) Chloroethane	2.68	64	32774	18.121	ug/l	99
7) Trichlorofluoromethane	3.00	101	72201	18.668	ug/l	100
8) Diethyl Ether	3.38	74	27942	17.984	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	42639	19.026	ug/l	99
10) Methyl Iodide	3.92	142	41810	20.966	ug/l	100
11) Tert butyl alcohol	4.72	59	38569	86.005	ug/l	98
12) 1,1-Dichloroethene	3.71	96	42743	17.773	ug/l	96
13) Acrolein	3.57	56	40463	81.411	ug/l	100
14) Allyl chloride	4.29	41	80230	18.968	ug/l	95
15) Acrylonitrile	4.94	53	112137	85.035	ug/l	98
16) Acetone	3.78	43	97171	89.963	ug/l	99
17) Carbon Disulfide	4.03	76	134816	18.432	ug/l	99
18) Methyl Acetate	4.29	43	50548	16.626	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	147622	17.854	ug/l	98
20) Methylene Chloride	4.52	84	48475	18.244	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	47459	18.516	ug/l	97
22) Diisopropyl ether	5.91	45	162855	18.224	ug/l	95
23) Vinyl Acetate	5.86	43	657945	90.239	ug/l	100
24) 1,1-Dichloroethane	5.81	63	89093	18.288	ug/l	99
25) 2-Butanone	6.80	43	149017	85.259	ug/l	100
26) 2,2-Dichloropropane	6.79	77	77067	20.107	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	52585	18.054	ug/l	99
28) Bromochloromethane	7.17	49	42011	18.025	ug/l	98
29) Tetrahydrofuran	7.18	42	101774	82.298	ug/l	100
30) Chloroform	7.35	83	83985	17.983	ug/l	98
31) Cyclohexane	7.63	56	88261	17.971	ug/l	95
32) 1,1,1-Trichloroethane	7.54	97	74243	18.441	ug/l	99
36) 1,1-Dichloropropene	7.77	75	67276	19.106	ug/l	98
37) Ethyl Acetate	6.90	43	64838	17.041	ug/l	98
38) Carbon Tetrachloride	7.75	117	58789	18.628	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060581.D
 Acq On : 18 Mar 2020 10:58
 Operator : JC/MD
 Sample : VN0318WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:02:49 PM

Quant Time: Mar 19 05:27:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	81296	19.427	ug/l	98
40) Benzene	8.02	78	201224	18.930	ug/l	98
41) Methacrylonitrile	7.14	41	28451m	17.521	ug/l	
42) 1,2-Dichloroethane	8.10	62	67949	18.704	ug/l	99
43) Isopropyl Acetate	8.14	43	110276	17.574	ug/l	100
44) Trichloroethene	8.82	130	50719	18.927	ug/l	98
45) 1,2-Dichloropropane	9.10	63	53224	18.975	ug/l	96
46) Dibromomethane	9.19	93	31366	18.497	ug/l	98
47) Bromodichloromethane	9.39	83	65028	18.454	ug/l	98
48) Methyl methacrylate	9.18	41	47312	16.935	ug/l	98
49) 1,4-Dioxane	9.17	88	13077	393.802	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	312615	87.550	ug/l	99
52) Toluene	10.14	92	121078	18.860	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	76814	18.978	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	84351	18.996	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	45527	18.434	ug/l	97
56) Ethyl methacrylate	10.42	69	69365	18.013	ug/l	99
57) 1,3-Dichloropropane	10.70	76	80255	18.726	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	176400	92.165	ug/l	100
59) 2-Hexanone	10.74	43	221314	86.042	ug/l	100
60) Dibromochloromethane	10.89	129	47094	18.460	ug/l	99
61) 1,2-Dibromoethane	10.99	107	45763	18.427	ug/l	100
64) Tetrachloroethene	10.62	164	51448	19.804	ug/l	98
65) Chlorobenzene	11.43	112	124304	18.994	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	44990	18.987	ug/l	97
67) Ethyl Benzene	11.50	91	233153	19.157	ug/l	100
68) m/p-Xylenes	11.62	106	171788	37.984	ug/l	99
69) o-Xylene	11.94	106	81611	18.903	ug/l	100
70) Styrene	11.96	104	131195	18.580	ug/l	100
71) Bromoform	12.12	173	32171	17.467	ug/l #	99
73) Isopropylbenzene	12.24	105	218863	19.298	ug/l	100
74) N-amyl acetate	12.06	43	92166	17.587	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	61453	17.918	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	56240m	17.247	ug/l	
77) Bromobenzene	12.52	156	51081	18.692	ug/l	99
78) n-propylbenzene	12.59	91	258368	19.283	ug/l	100
79) 2-Chlorotoluene	12.67	91	150139	18.754	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	184758	19.197	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	22483	17.708	ug/l	99
82) 4-Chlorotoluene	12.77	91	155289	19.045	ug/l	99
83) tert-Butylbenzene	12.99	119	153170	19.198	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	185769	19.510	ug/l	99
85) sec-Butylbenzene	13.17	105	206090	19.210	ug/l	99
86) p-Isopropyltoluene	13.28	119	185397	19.217	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	91624	19.009	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	90778	18.746	ug/l	99
89) n-Butylbenzene	13.61	91	167094	19.184	ug/l	100
90) Hexachloroethane	13.87	117	25937	18.496	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	86088	18.679	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11817	16.269	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
Data File : VN060581.D
Acq On : 18 Mar 2020 10:58
Operator : JC/MD
Sample : VN0318WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

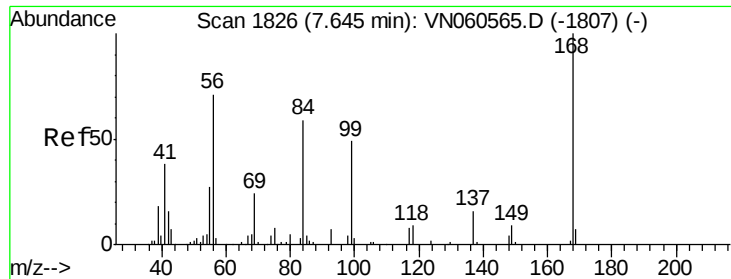
Manual Integrations
APPROVED

MMDadoda
3/19/2020 1:02:49 PM

Quant Time: Mar 19 05:27:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	51568	18.220	ug/l	99
94) Hexachlorobutadiene	15.01	225	27519	19.834	ug/l	96
95) Naphthalene	15.13	128	144391	16.962	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	50167	17.996	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

Tot Ion:168 Resp: 222126

Ion Ratio Lower Upper

168 100

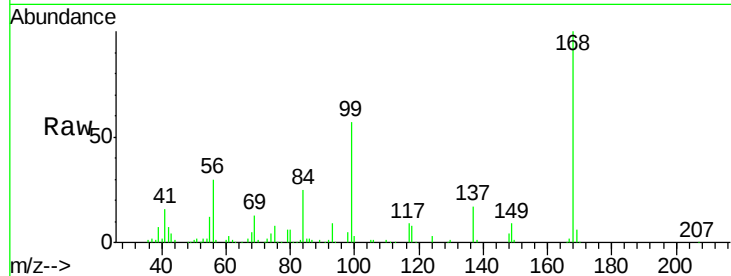
99 56.8 44.0 66.0

Manual Integrations

APPROVED

MMDadoda

3/19/2020 1:02:49 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

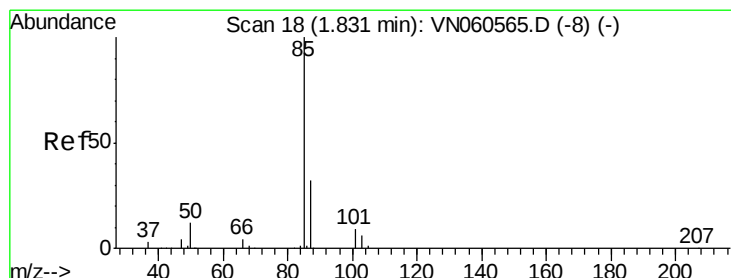
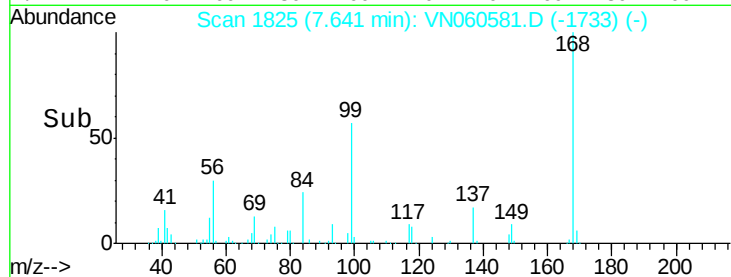
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.286 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060581.D

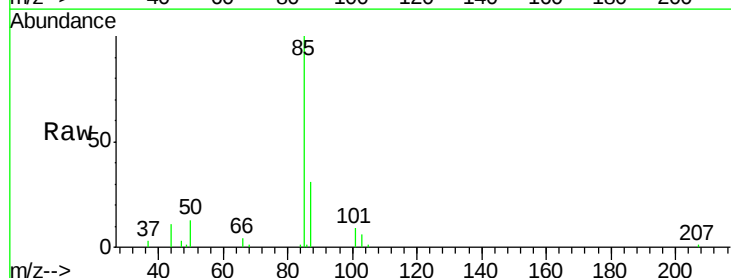
Acq: 18 Mar 2020 10:58

Tgt Ion: 85 Resp: 41451

Ion Ratio Lower Upper

85 100

87 31.2 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

30000

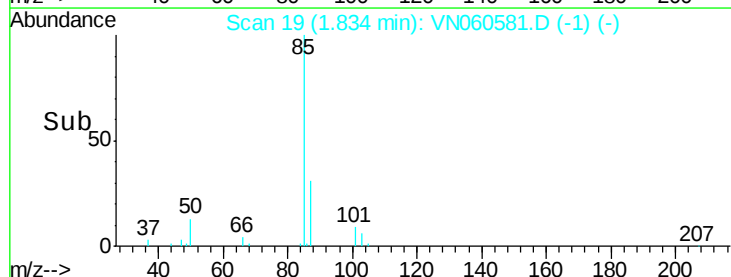
20000

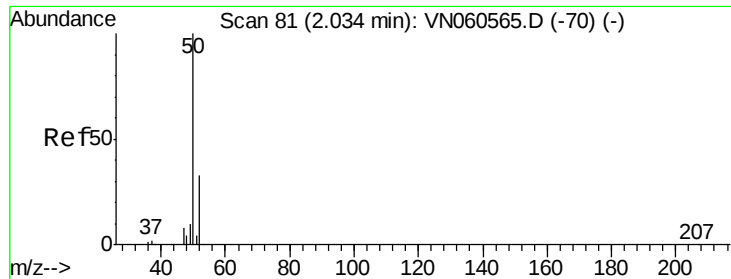
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 16.961 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

Tot Ion: 50 Resp: 68083

Ion Ratio Lower Upper

50 100

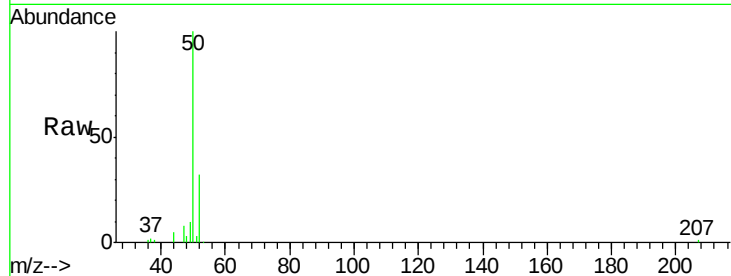
52 32.4 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

3/19/2020 1:02:49 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

60000

50000

40000

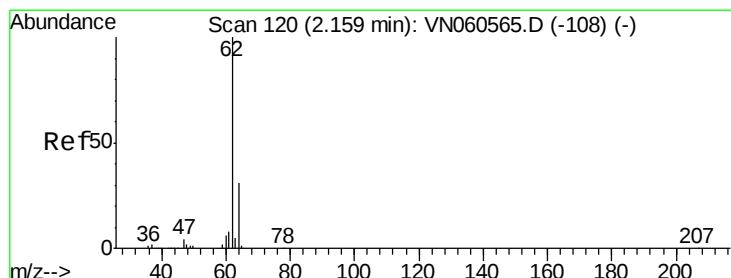
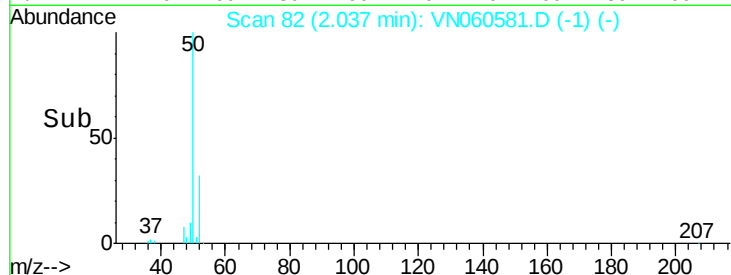
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 17.879 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060581.D

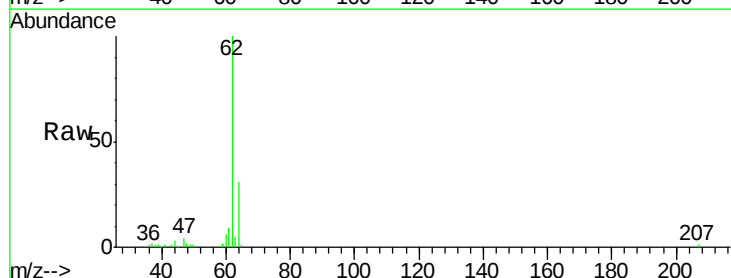
Acq: 18 Mar 2020 10:58

Tgt Ion: 62 Resp: 56134

Ion Ratio Lower Upper

62 100

64 31.3 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

40000

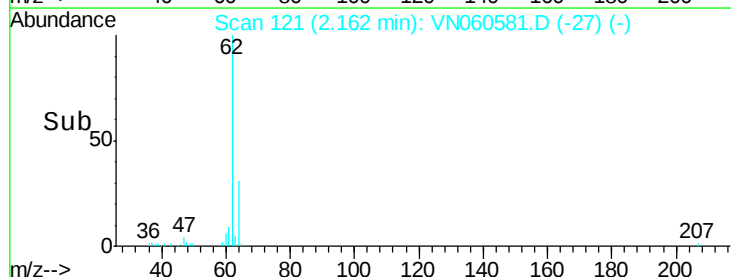
30000

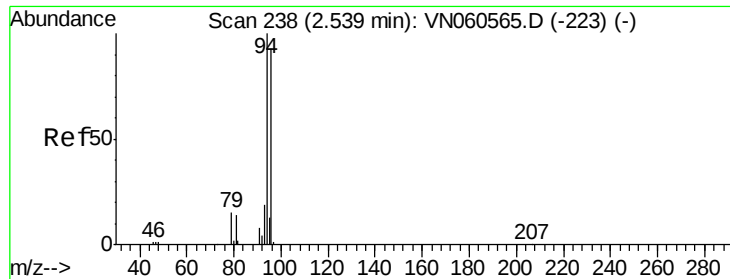
20000

10000

0

Time-->





#5

Bromomethane

Concen: 18.662 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

Tot Ion: 94 Resp: 25293

Ion Ratio Lower Upper

94 100

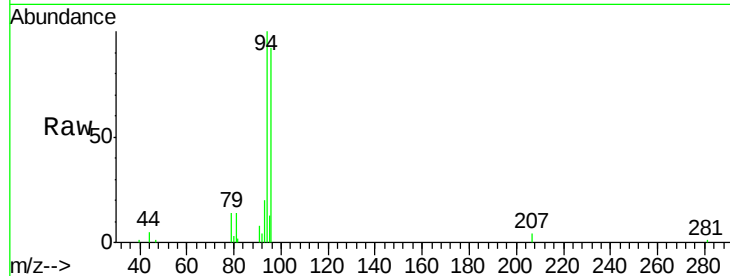
96 90.8 74.6 112.0

Manual Integrations

APPROVED

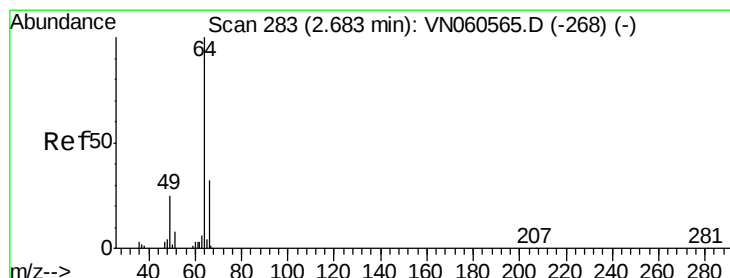
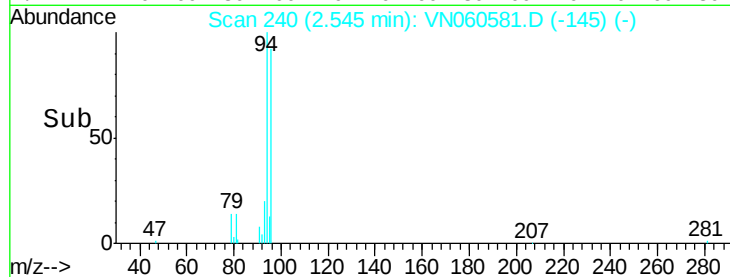
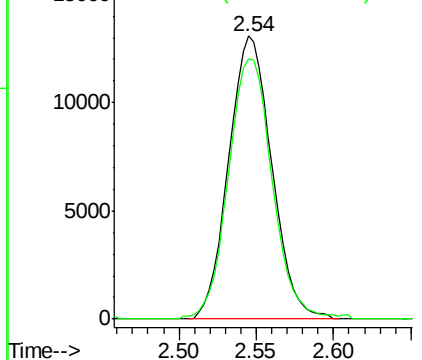
MMDadoda

3/19/2020 1:02:49 PM



Abundance Ion 93.90 (93.60 to 94.60): VN060581.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN060581.D (-145) (-)



#6

Chloroethane

Concen: 18.121 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060581.D

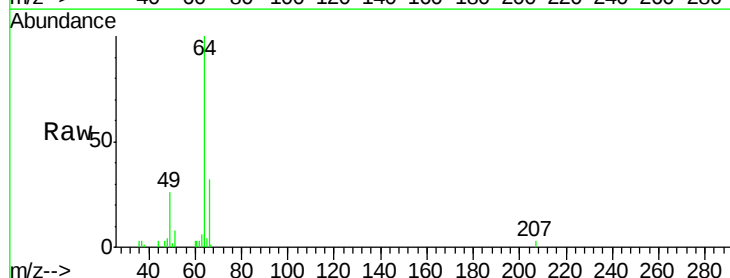
Acq: 18 Mar 2020 10:58

Tgt Ion: 64 Resp: 32774

Ion Ratio Lower Upper

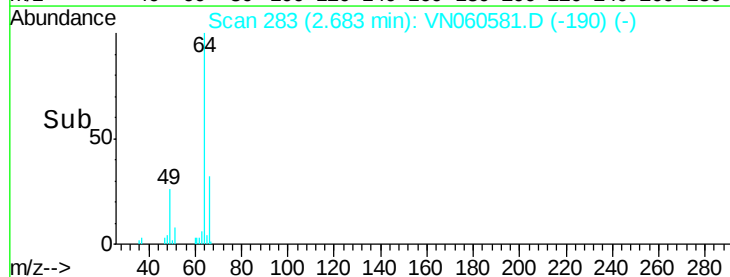
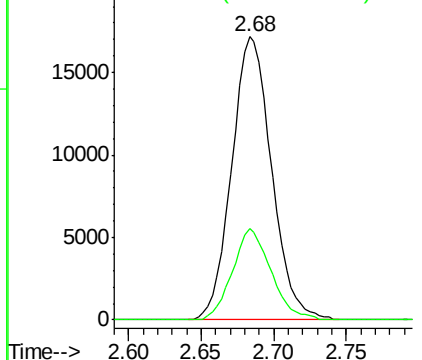
64 100

66 32.2 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN060581.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN060581.D (-190) (-)





#7

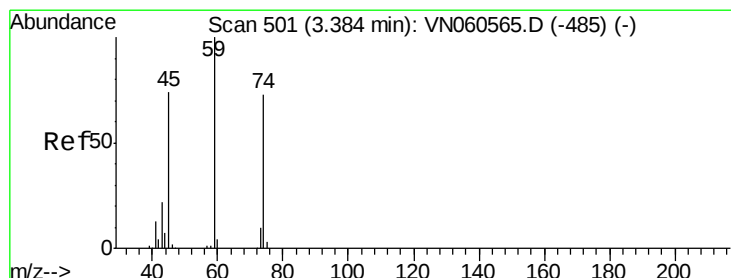
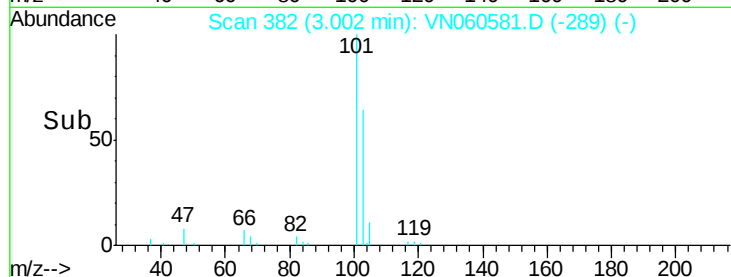
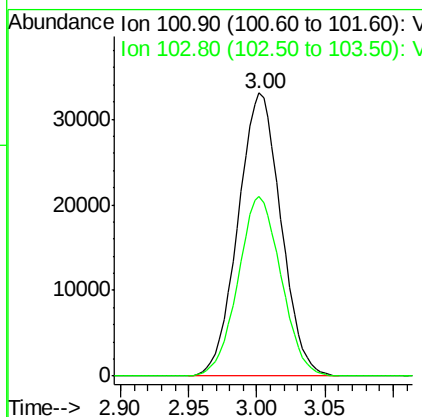
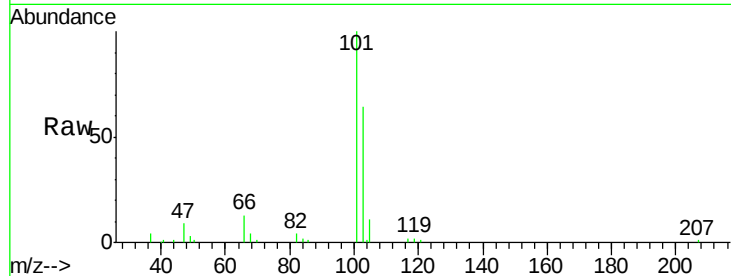
Trichlorofluoromethane
 Concen: 18.668 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		72201		
103	63.5	50.6	76.0		

Manual Integrations
 APPROVED

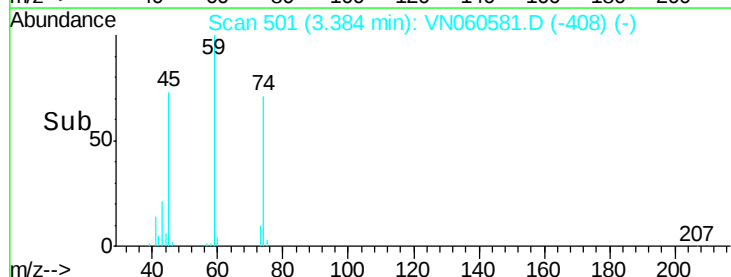
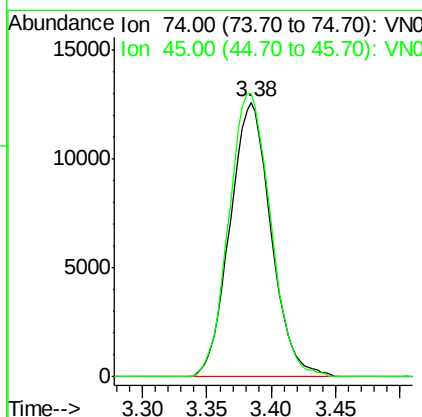
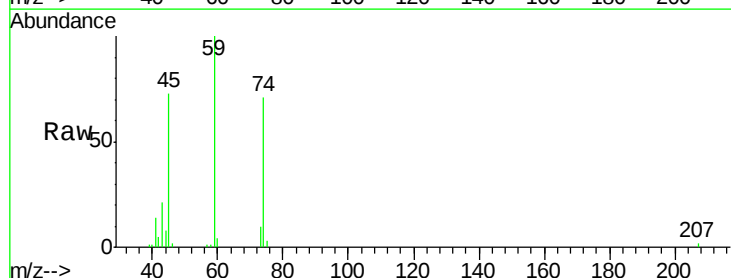
MMDadoda
 3/19/2020 1:02:49 PM



#8

Diethyl Ether
 Concen: 17.984 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		27942		
45	105.0	51.3	153.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.026 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

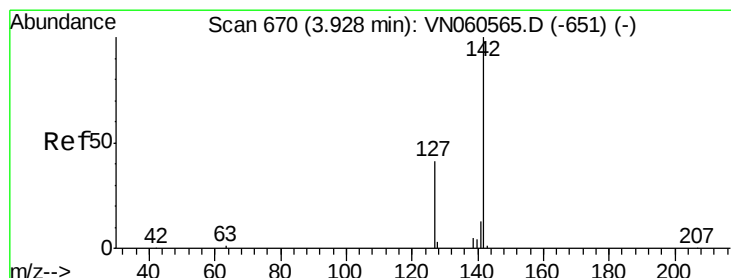
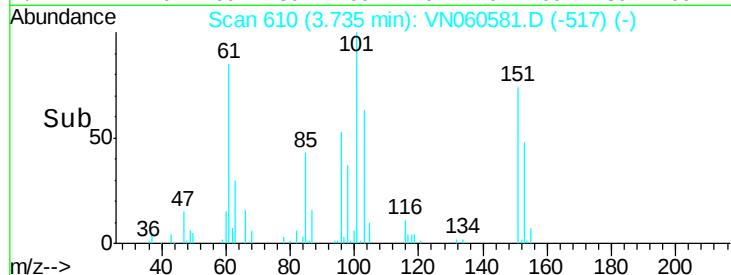
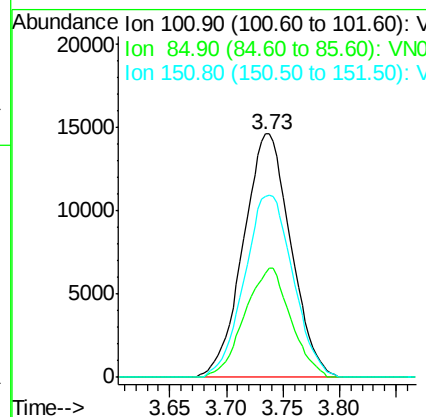
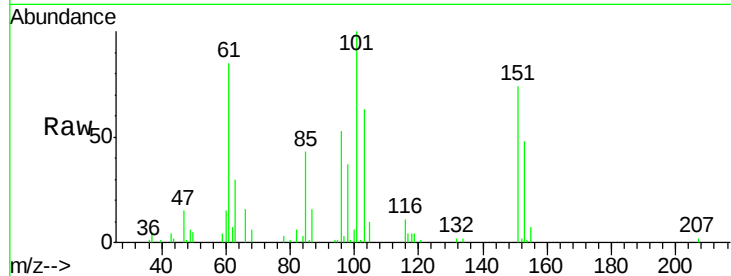
ClientSampleId :

VN0318WBS01

Tot Ion:	101	Resp:	42639
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.6	53.4
151	76.6	61.4	92.2

Manual Integrations
APPROVED

MMDadoda
3/19/2020 1:02:49 PM



#10

Methyl Iodide

Concen: 20.966 ug/l

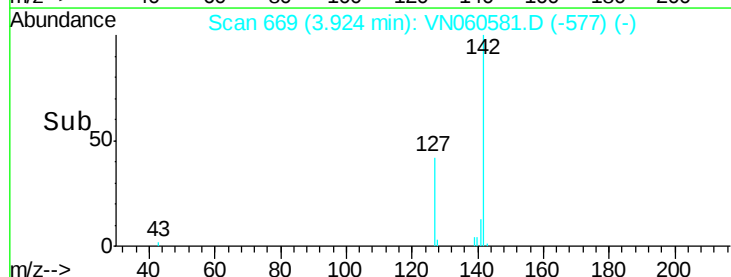
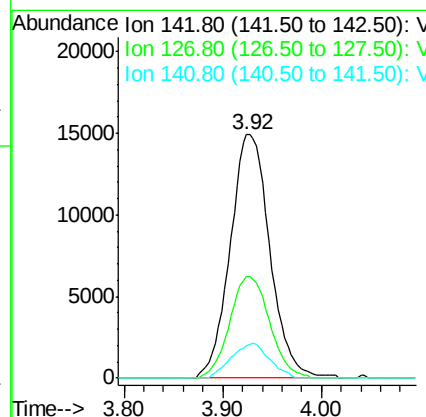
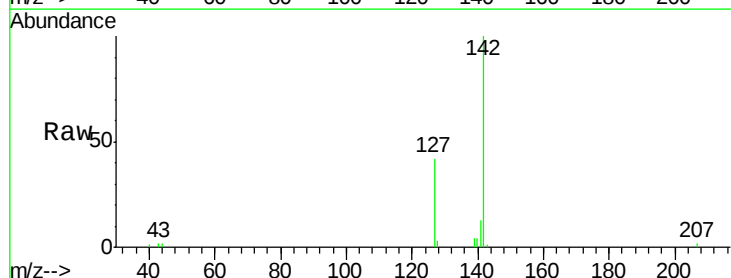
RT: 3.92 min Scan# 669

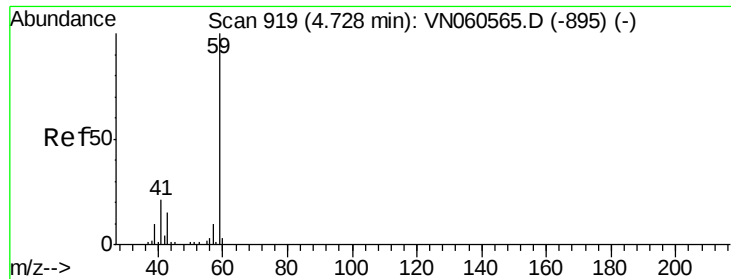
Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Tgt Ion:	142	Resp:	41810
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.5	50.3
141	13.6	11.0	16.6





#11

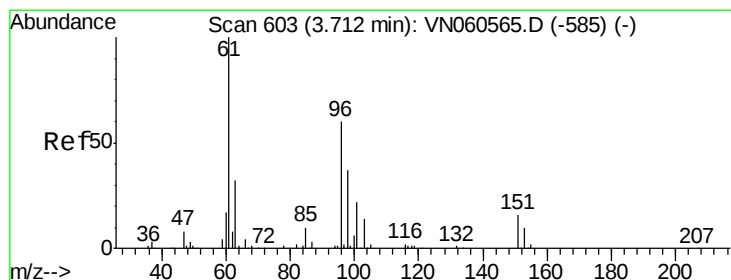
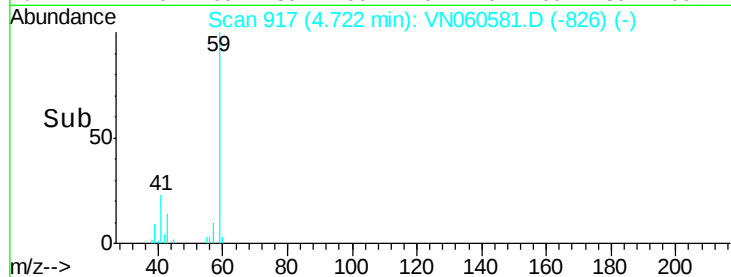
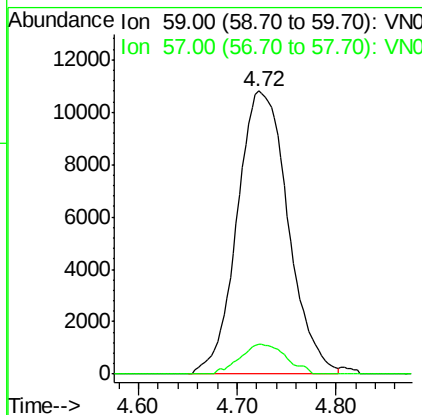
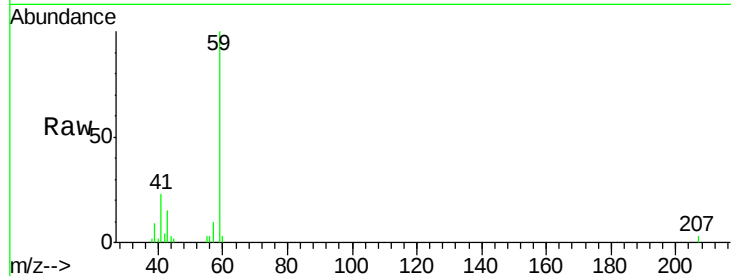
Tert butyl alcohol
Concen: 86.005 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	38569		
57	9.6		8.2	12.4

Manual Integrations
APPROVED

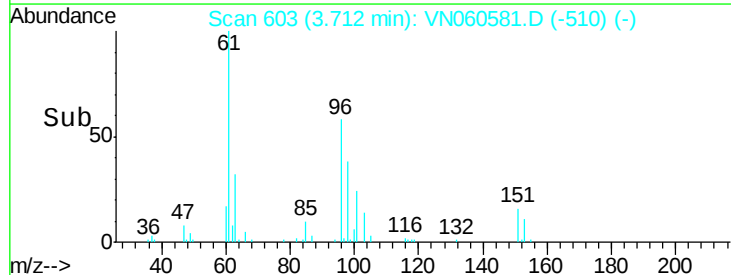
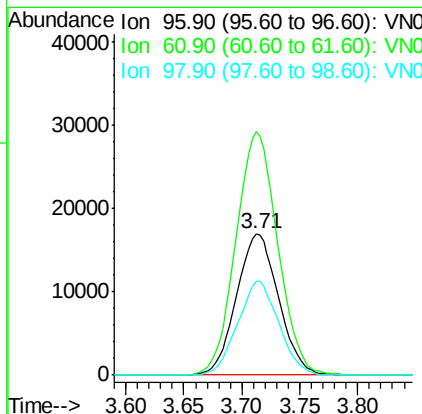
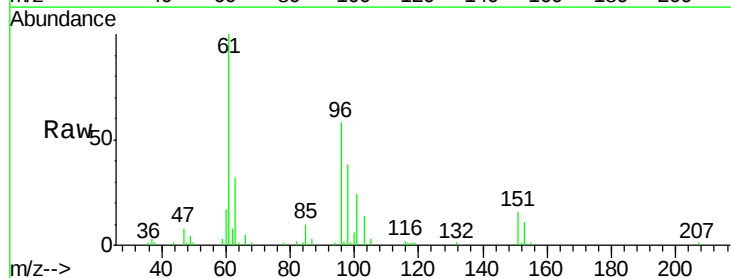
MMDadoda
3/19/2020 1:02:49 PM

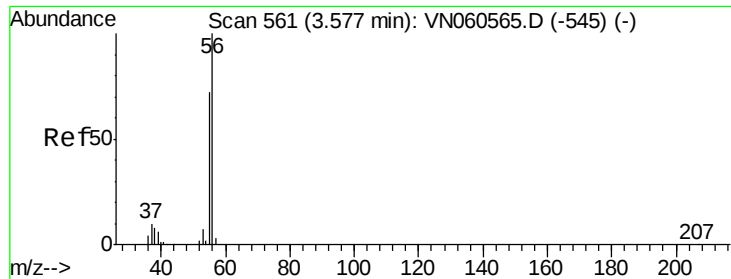


#12

1,1-Dichloroethene
Concen: 17.773 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	42743		
61	172.2		134.1	201.1
98	66.0		49.9	74.9





#13

Acrolein

Concen: 81.411 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

Tot Ion: 56 Resp: 40463

Ion Ratio Lower Upper

56 100

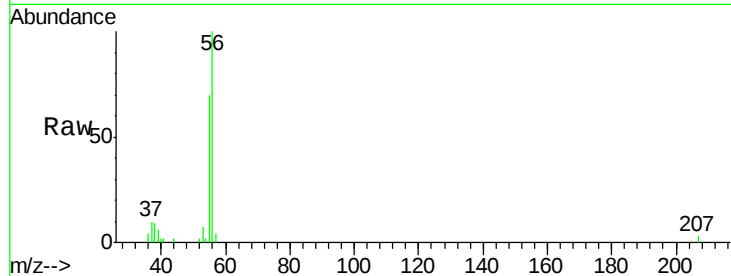
55 71.0 56.7 85.1

Manual Integrations

APPROVED

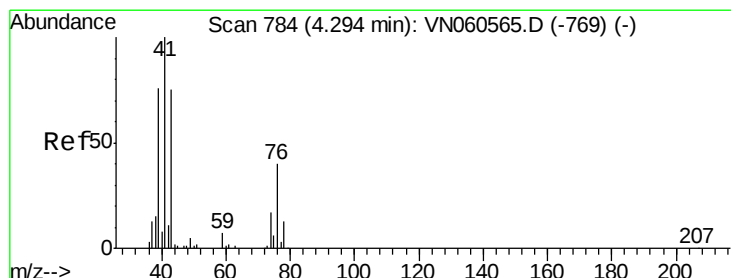
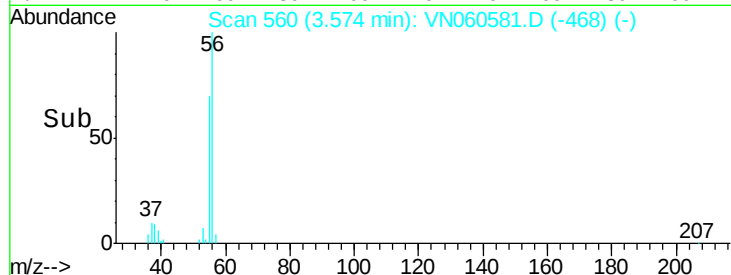
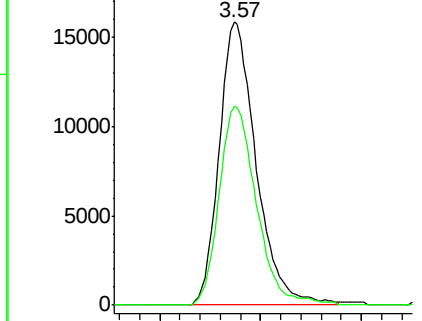
MMDadoda

3/19/2020 1:02:49 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.968 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

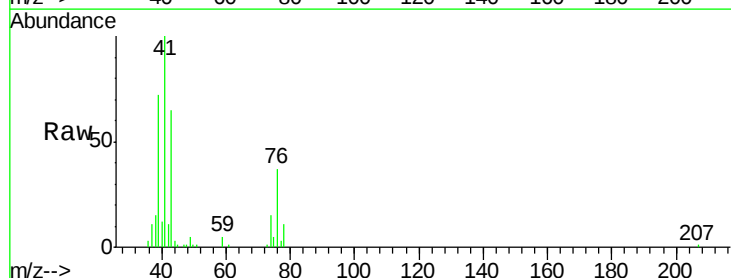
Tgt Ion: 41 Resp: 80230

Ion Ratio Lower Upper

41 100

39 67.8 57.8 86.8

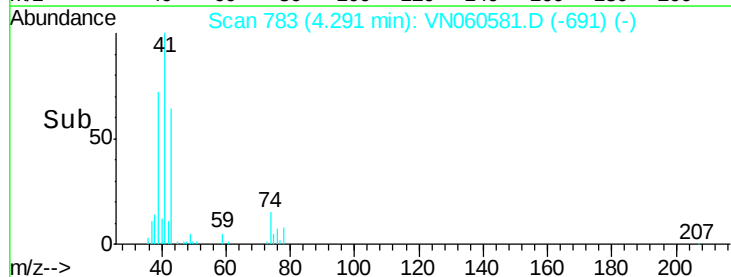
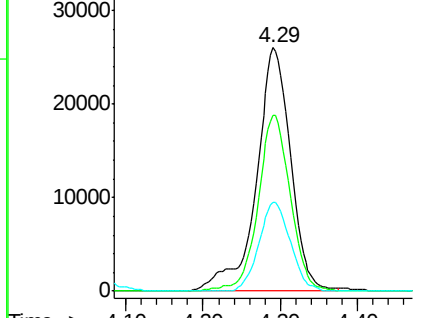
76 33.3 28.6 43.0

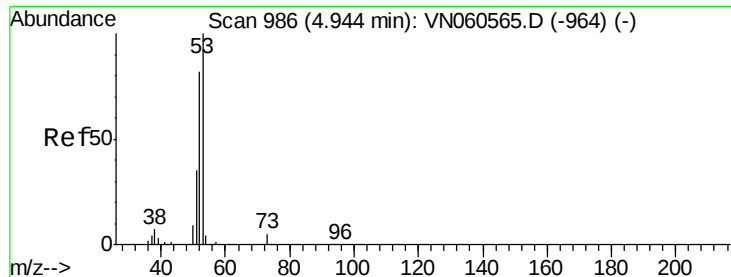


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 85.035 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

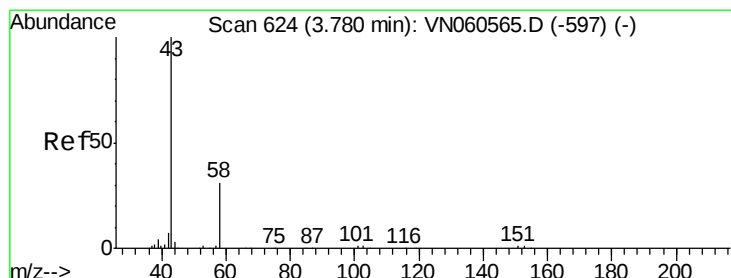
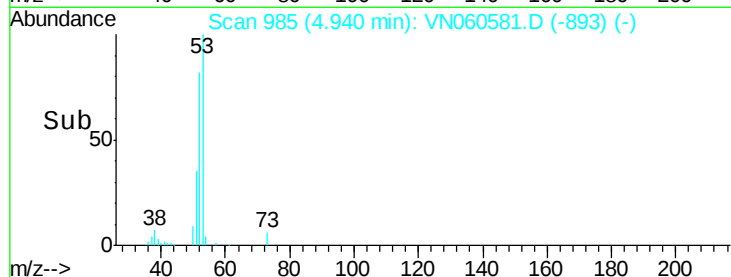
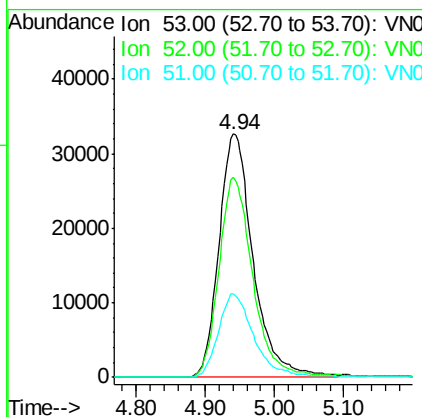
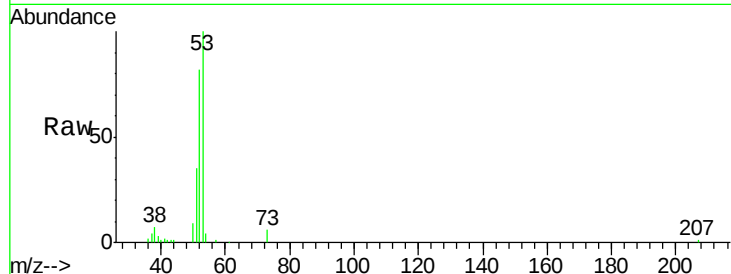
ClientSampleId :

VN0318WBS01

Tot Ion:	53	Resp:	112137
Ion Ratio	Lower	Upper	
53	100		
52	80.9	66.2	99.4
51	35.5	28.7	43.1

Manual Integrations
APPROVED

MMDadoda
3/19/2020 1:02:49 PM



#16

Acetone

Concen: 89.963 ug/l

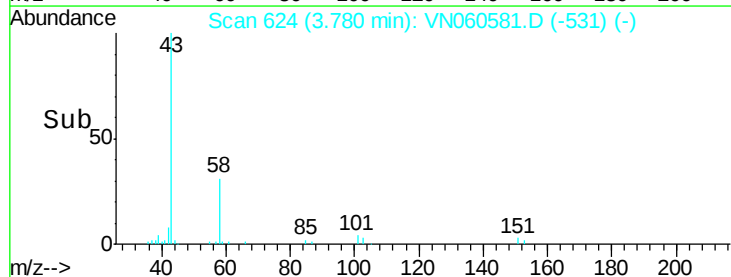
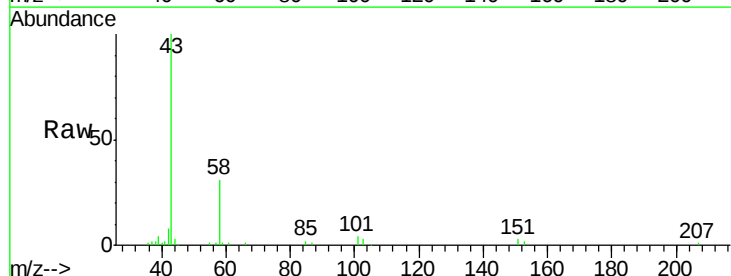
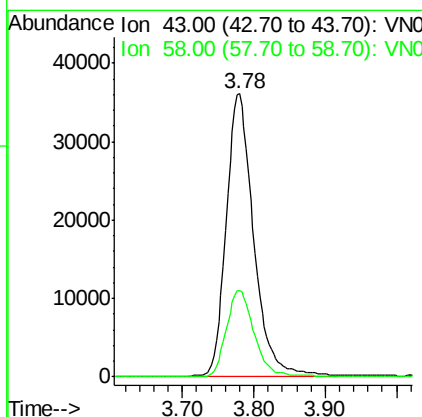
RT: 3.78 min Scan# 624

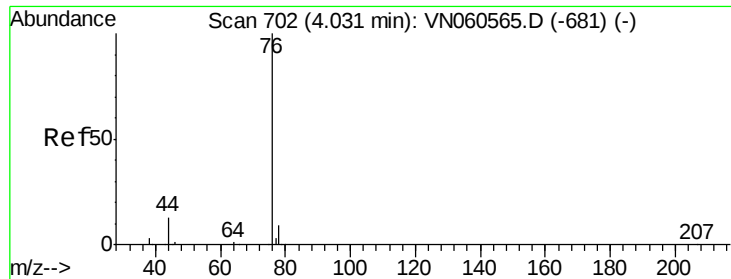
Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Tgt Ion:	43	Resp:	97171
Ion Ratio	Lower	Upper	
43	100		
58	30.7	25.1	37.7





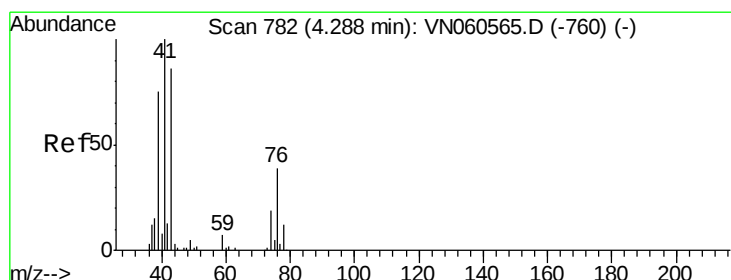
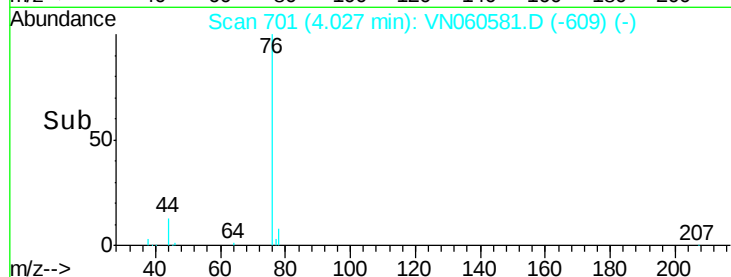
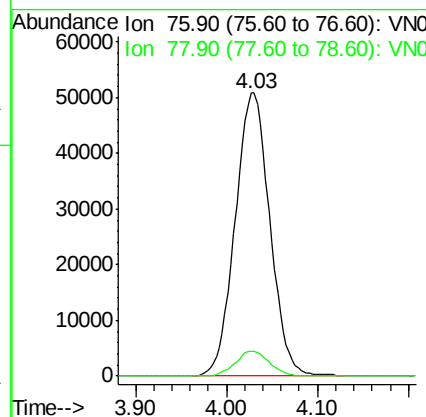
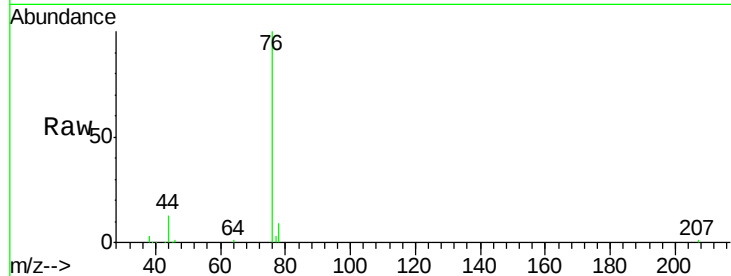
#17
Carbon Disulfide
Concen: 18.432 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

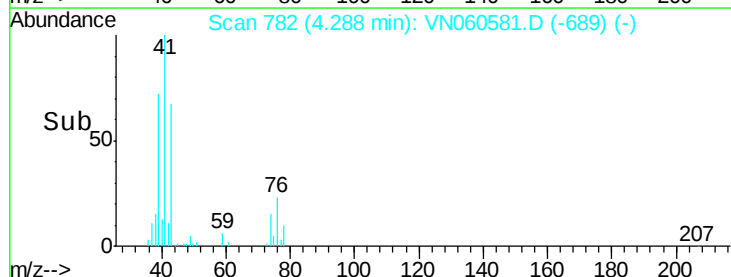
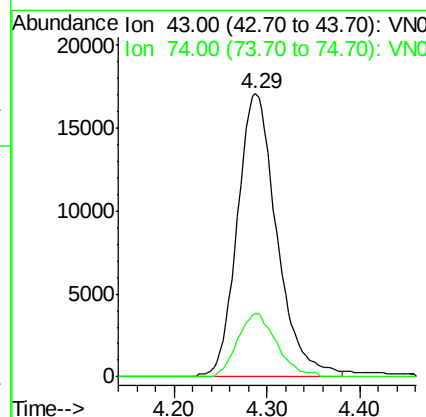
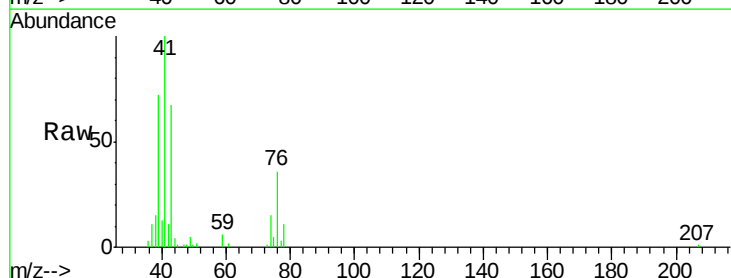
Manual Integrations
APPROVED

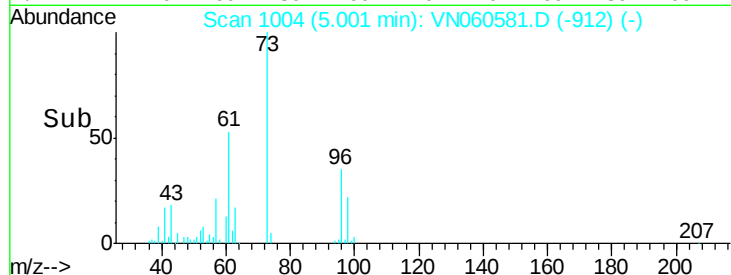
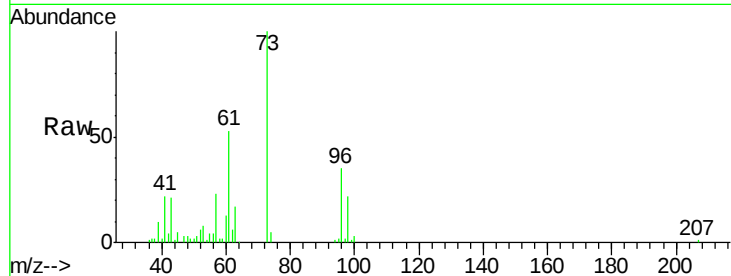
MMDadoda
3/19/2020 1:02:49 PM



#18
Methyl Acetate
Concen: 16.626 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.5	26.3





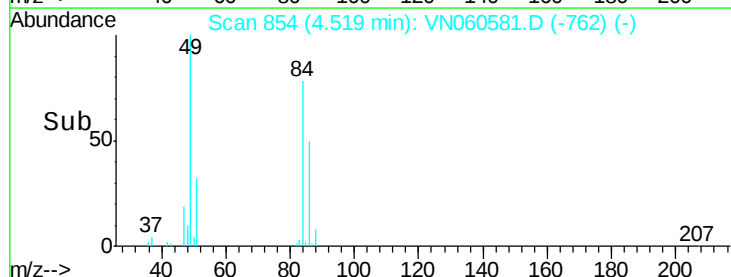
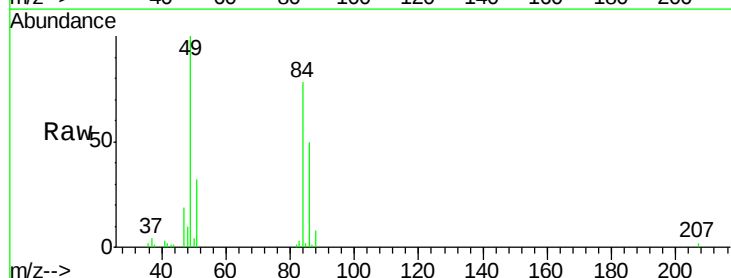
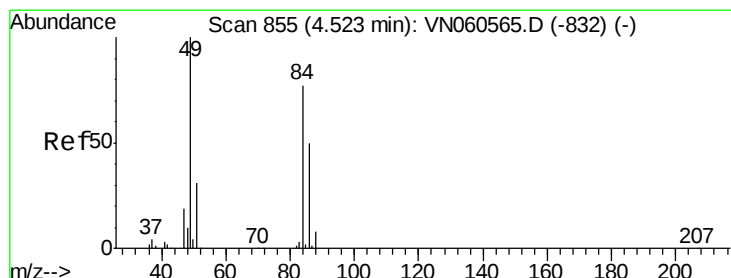
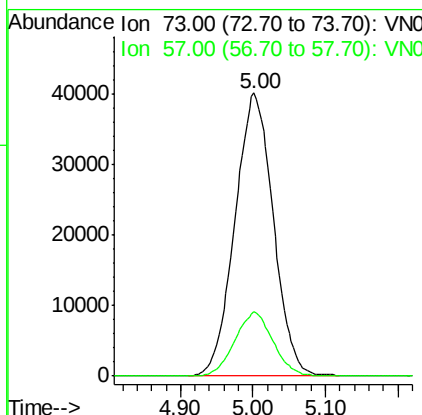
#19
Methyl tert-butyl Ether
Concen: 17.854 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tot Ion: 73 Resp: 147622
Ion Ratio Lower Upper
73 100
57 22.7 17.5 26.3

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

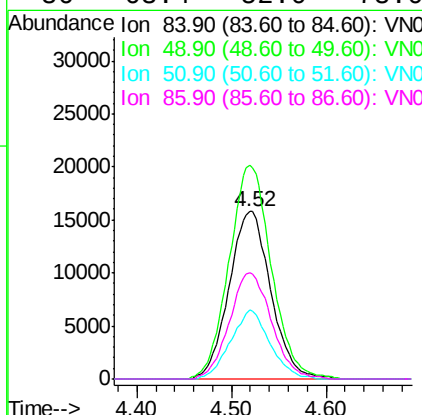
Manual Integrations
APPROVED

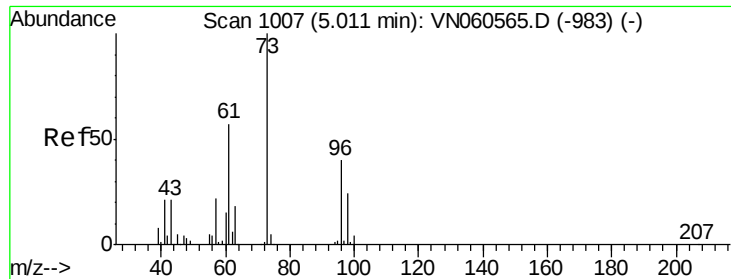
MMDadoda
3/19/2020 1:02:49 PM



#20
Methylene Chloride
Concen: 18.244 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion: 84 Resp: 48475
Ion Ratio Lower Upper
84 100
49 127.7 103.3 154.9
51 41.4 31.6 47.4
86 63.4 52.0 78.0





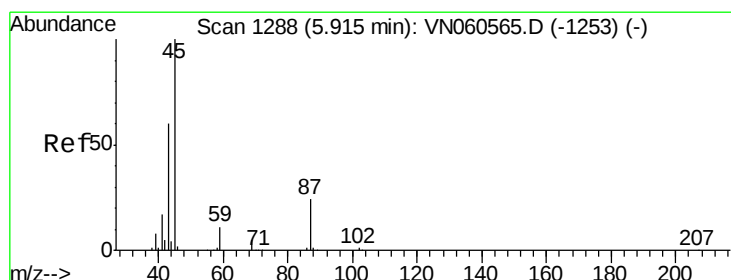
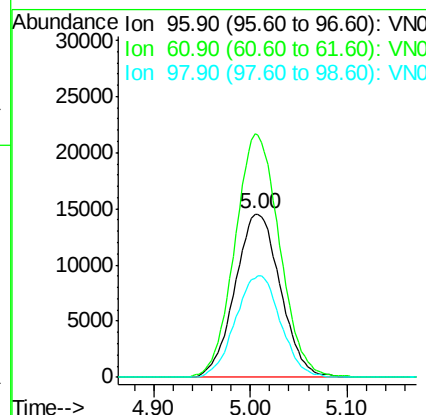
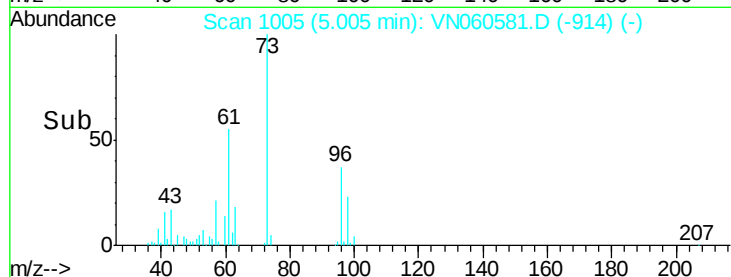
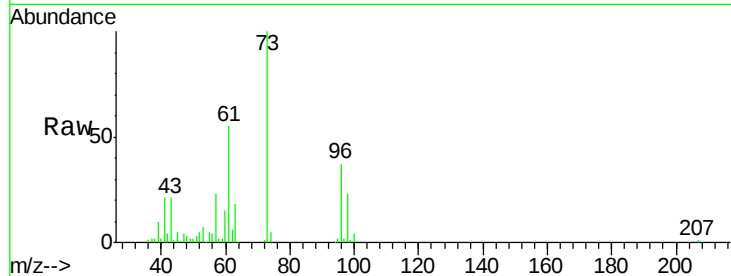
#21
trans-1,2-Dichloroethene
Concen: 18.516 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.7	114.4	171.6
98	60.7	48.4	72.6

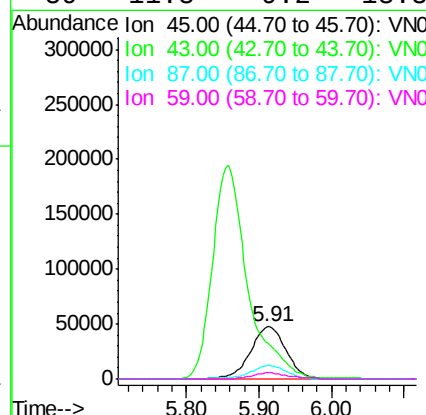
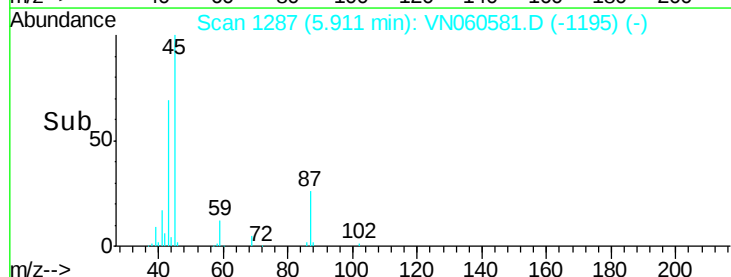
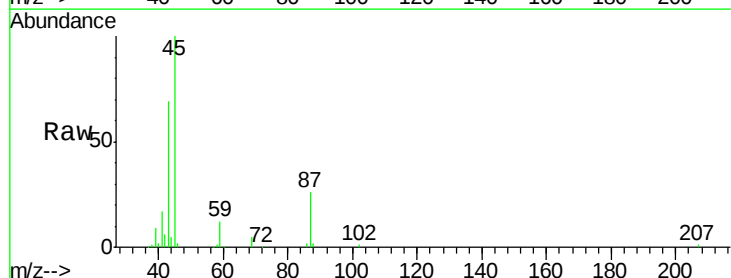
Manual Integrations
APPROVED

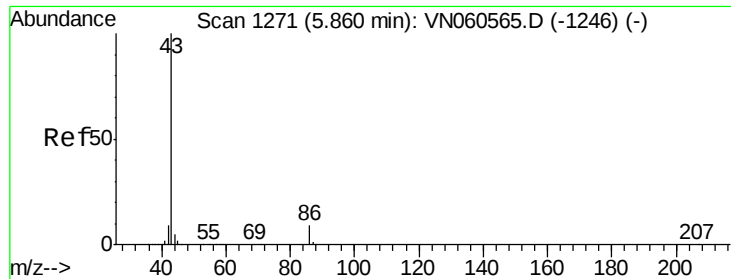
MMDadoda
3/19/2020 1:02:49 PM



#22
Diisopropyl ether
Concen: 18.224 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.3	49.8	74.8
87	25.9	20.1	30.1
59	11.8	9.2	13.8





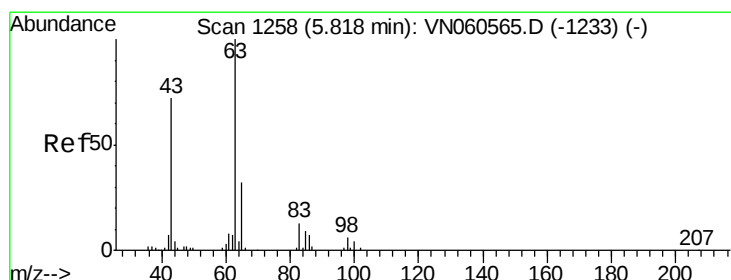
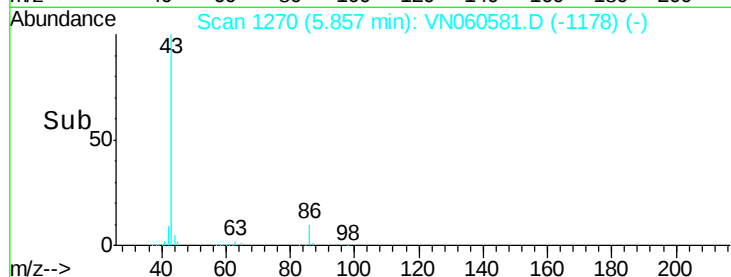
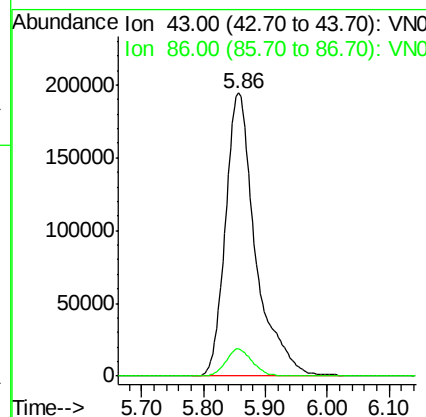
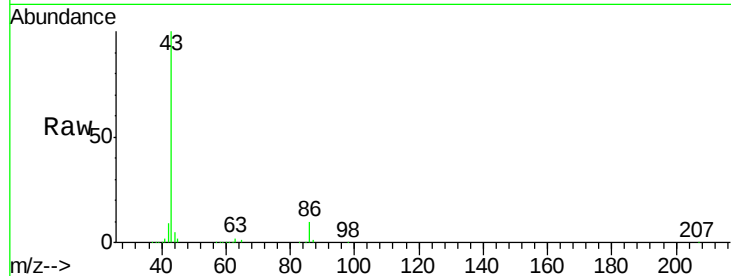
#23
 Vinyl Acetate
 Concen: 90.239 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.6	11.4

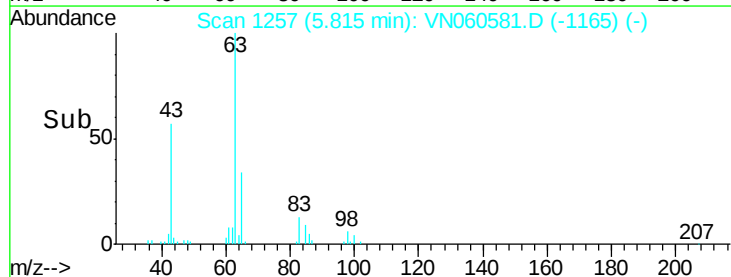
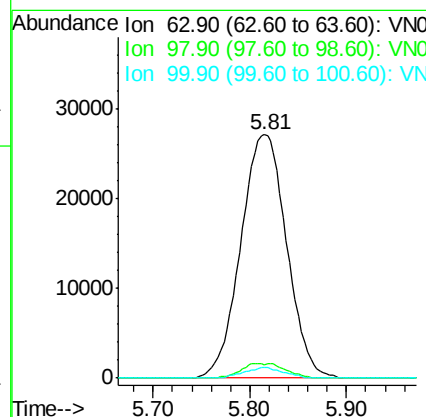
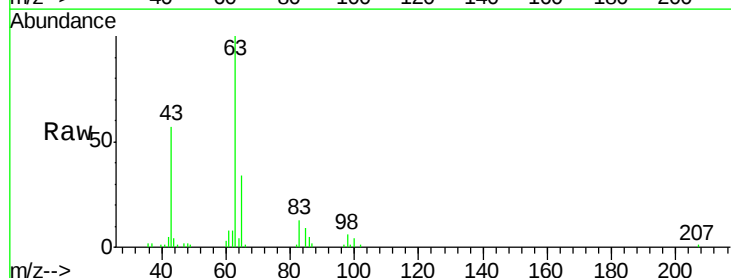
Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:02:49 PM



#24
 1,1-Dichloroethane
 Concen: 18.288 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.9	8.7
100	4.5	1.8	5.5





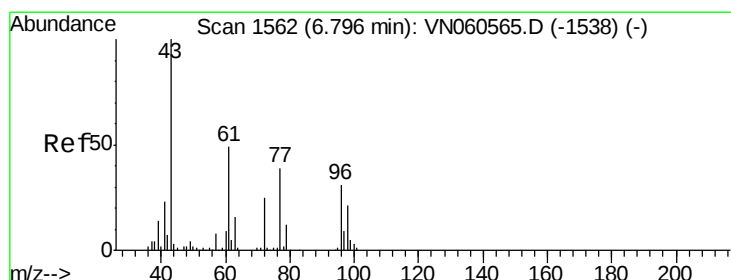
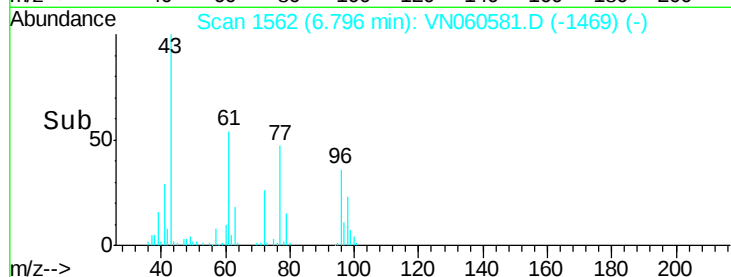
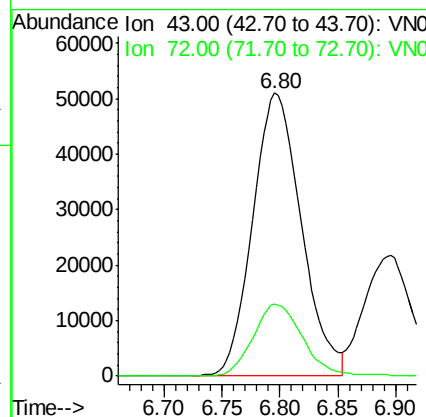
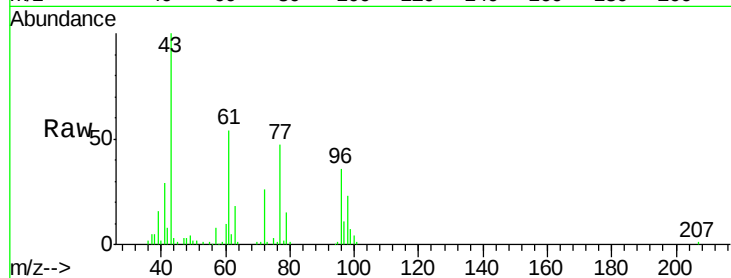
#25
2-Butanone
Concen: 85.259 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion: 43 Resp: 149017
Ion Ratio Lower Upper
43 100
72 25.6 20.4 30.6

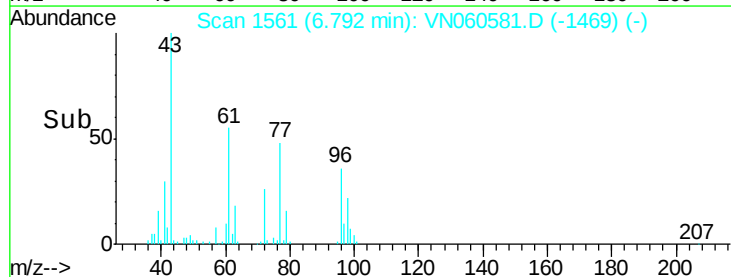
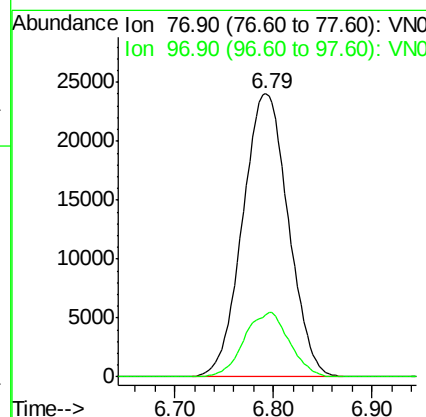
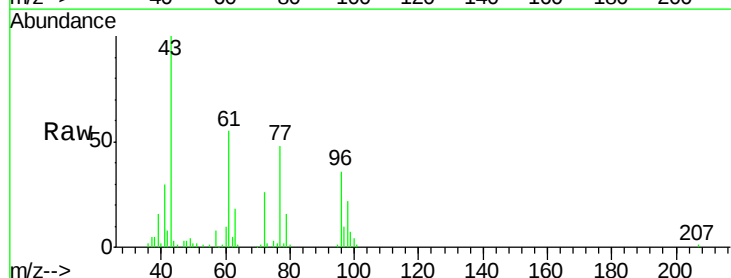
Manual Integrations
APPROVED

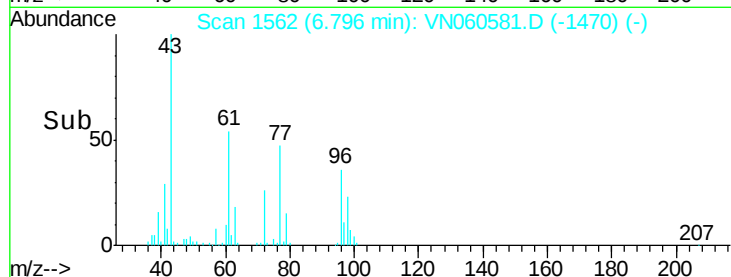
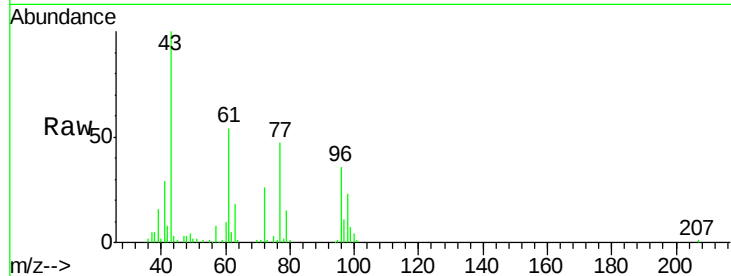
MMDadoda
3/19/2020 1:02:49 PM



#26
2,2-Dichloropropane
Concen: 20.107 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion: 77 Resp: 77067
Ion Ratio Lower Upper
77 100
97 22.5 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 18.054 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060581.D

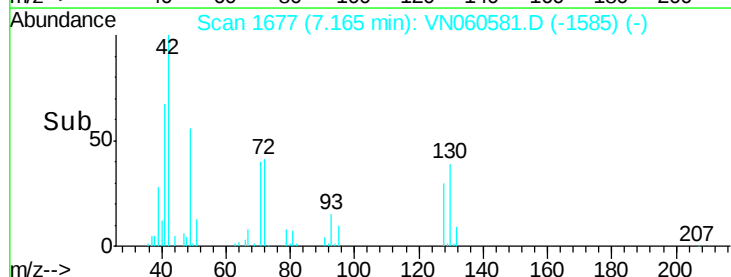
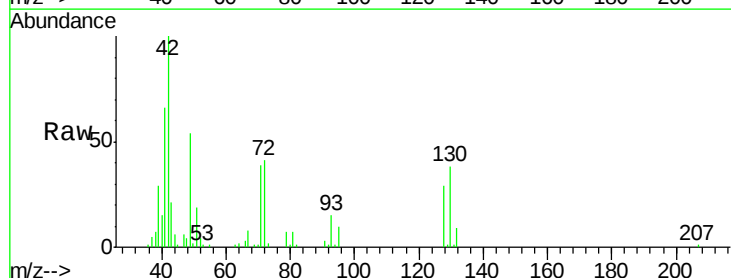
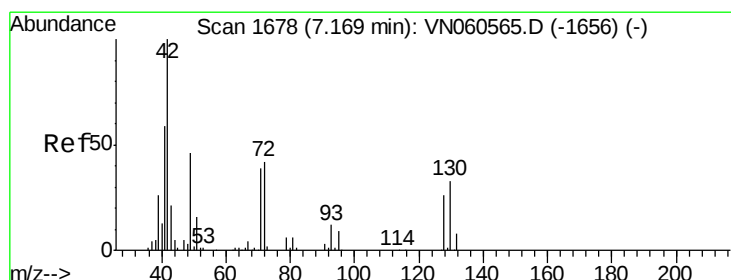
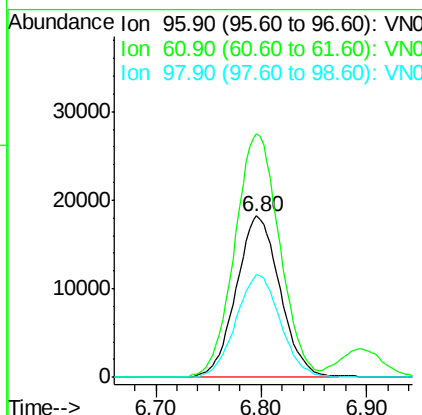
Acq: 18 Mar 2020 10:58

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	154.7	0.0	305.6	
98	64.2	0.0	127.6	

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Manual Integrations
APPROVED

MMDadoda
3/19/2020 1:02:49 PM



#28

Bromochloromethane

Concen: 18.025 ug/l

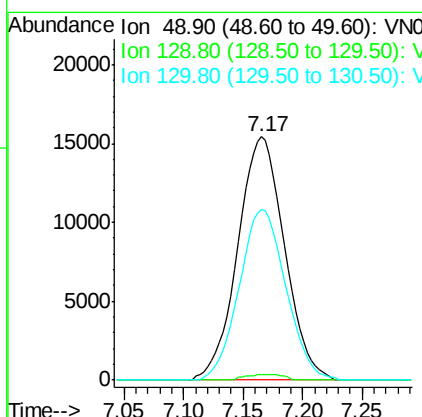
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.4	
130	70.0	55.0	82.4	





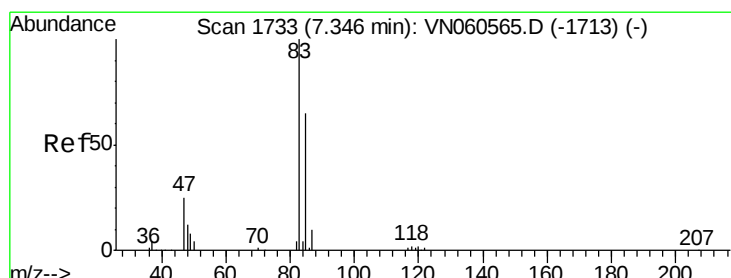
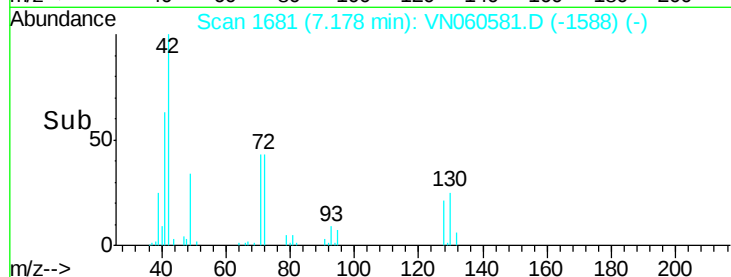
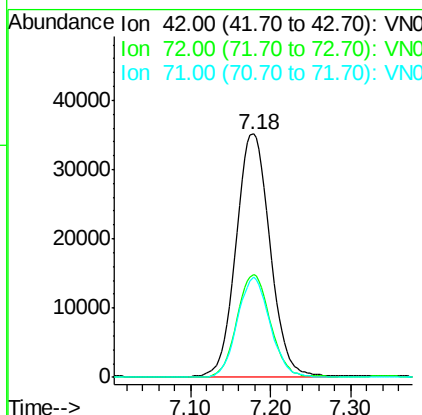
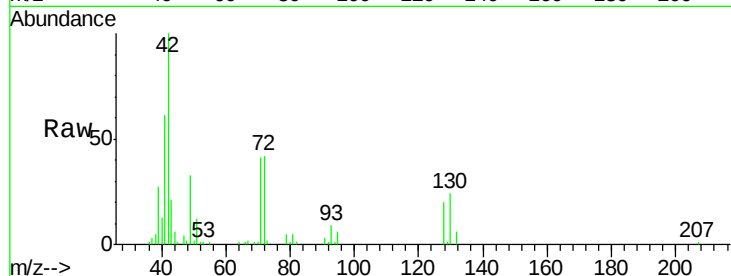
#29
Tetrahydrofuran
Concen: 82.298 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.2	49.8
71	39.1	31.1	46.7

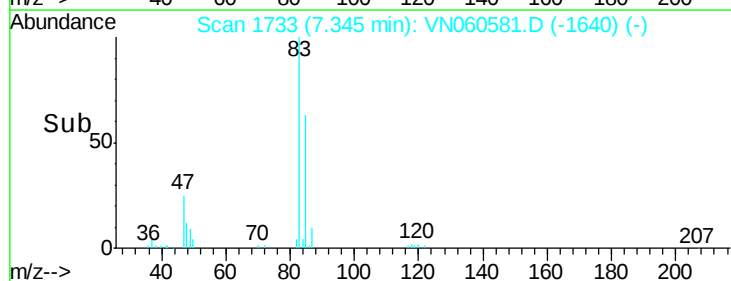
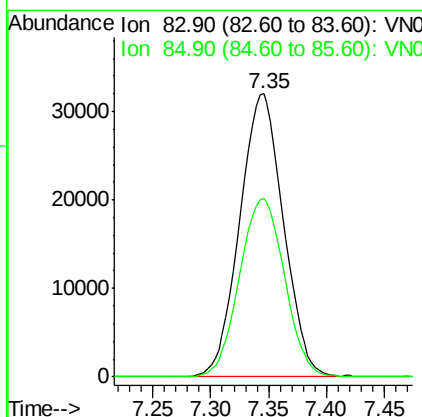
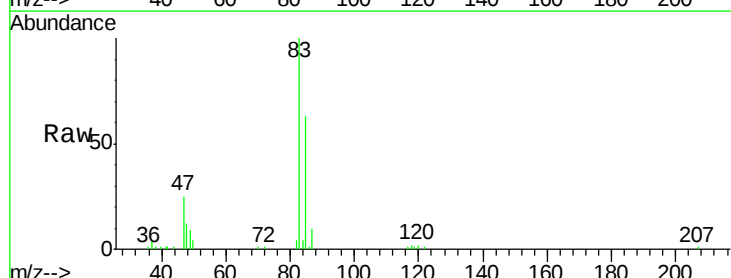
Manual Integrations
APPROVED

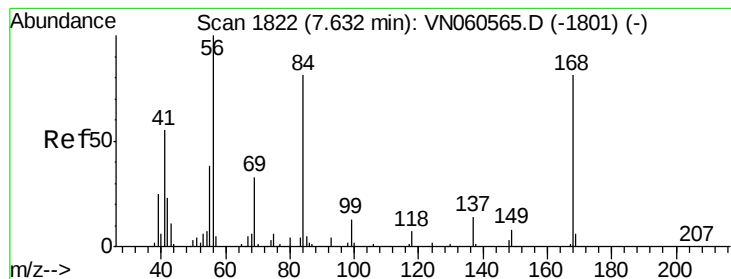
MMDadoda
3/19/2020 1:02:49 PM



#30
Chloroform
Concen: 17.983 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.8	77.8





#31

Cyclohexane

Concen: 17.971 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampled :

VN0318WBS01

Tot Ion: 56 Resp: 88261

Ion Ratio Lower Upper

56 100

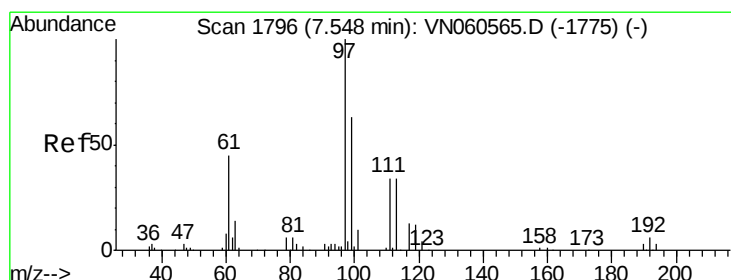
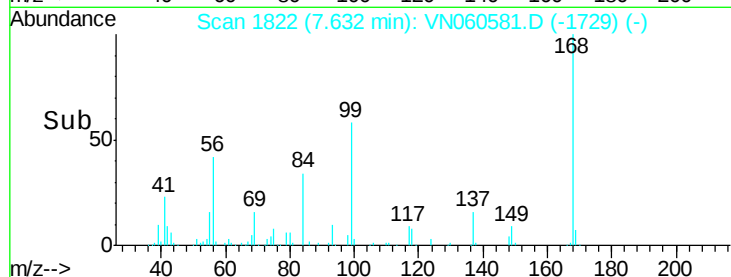
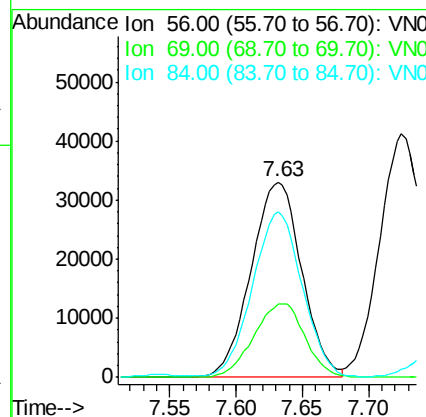
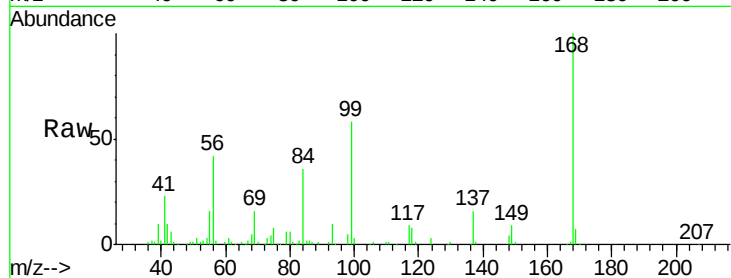
69 37.3 26.6 40.0

84 84.2 64.3 96.5

Manual Integrations
APPROVED

MMDadoda

3/19/2020 1:02:49 PM



#32

1,1,1-Trichloroethane

Concen: 18.441 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

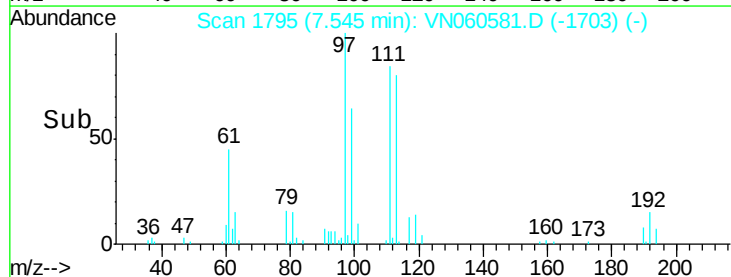
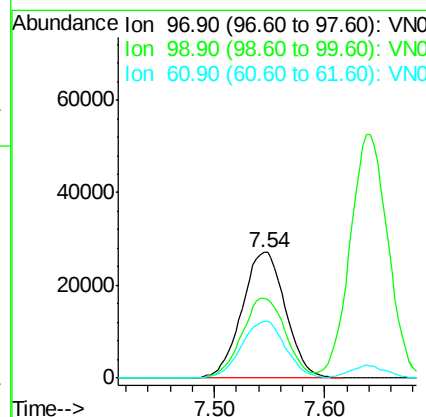
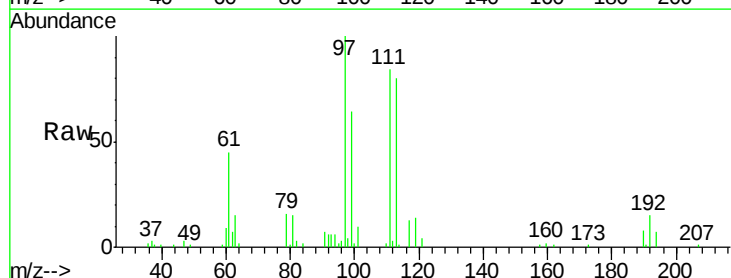
Tgt Ion: 97 Resp: 74243

Ion Ratio Lower Upper

97 100

99 63.7 50.6 75.8

61 45.6 36.2 54.4





#33

1,2-Dichloroethane-d4

Concen: 46.836 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

Tot Ion: 65 Resp: 142816

Ion Ratio Lower Upper

65 100

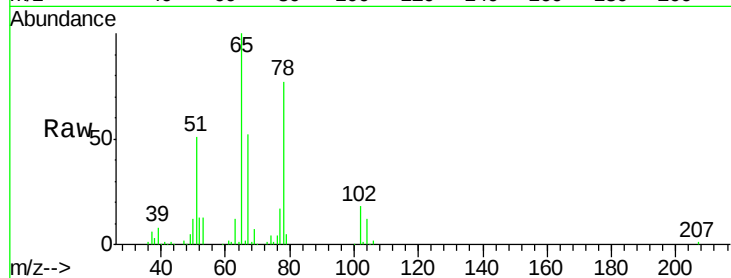
67 53.1 0.0 107.6

Manual Integrations

APPROVED

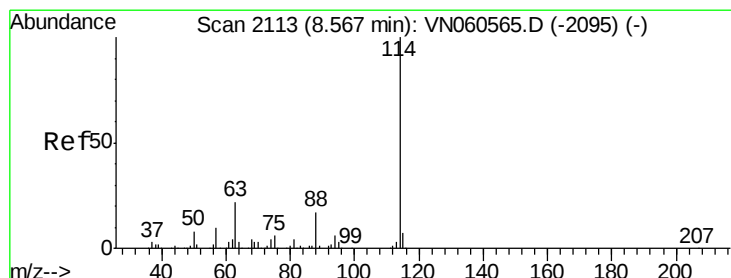
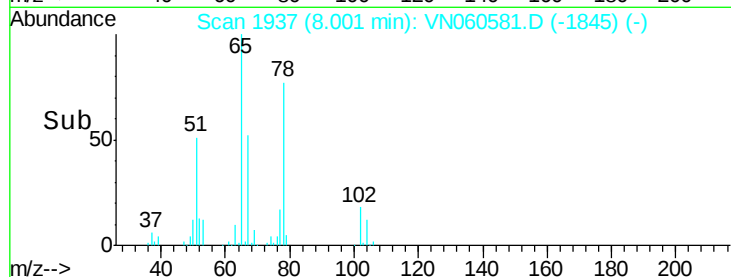
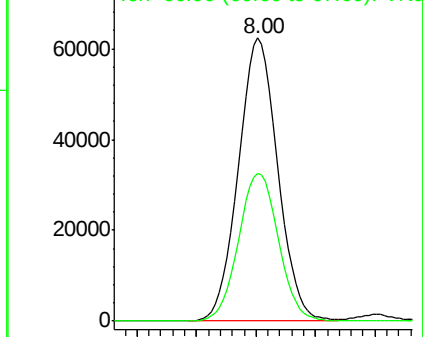
MMDadoda

3/19/2020 1:02:49 PM



Abundance Ion 64.90 (64.60 to 65.60): VN060565.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060565.D (-1920) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

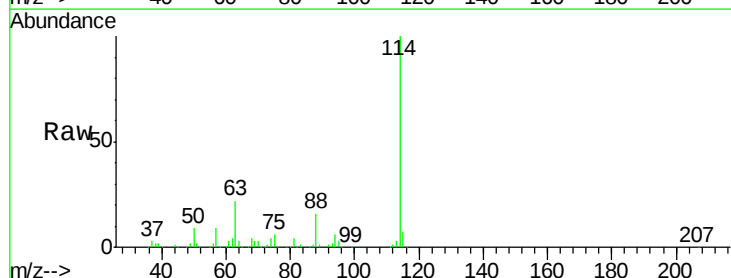
Tgt Ion: 114 Resp: 363652

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.8

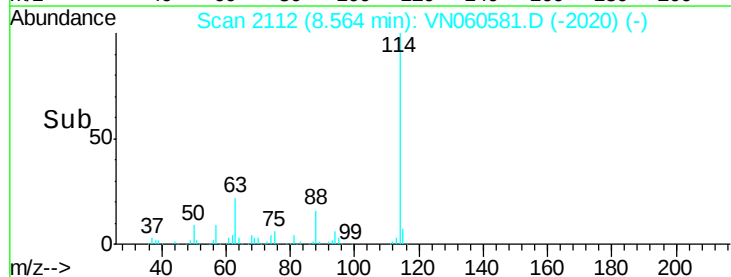
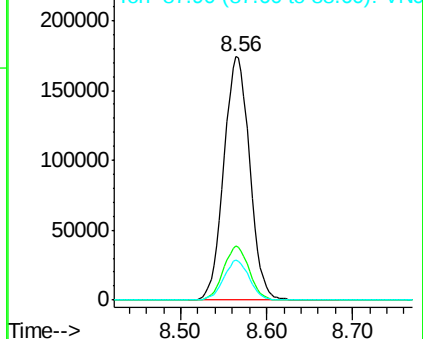
88 16.5 0.0 33.0

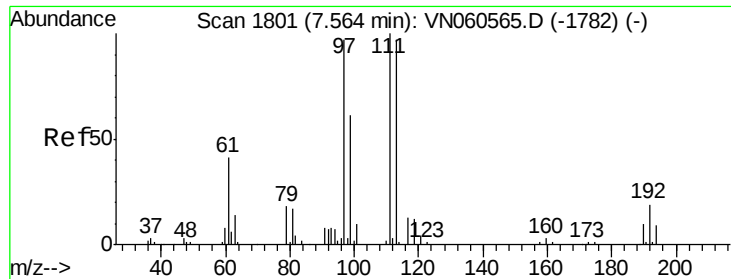


Abundance Ion 113.90 (113.60 to 114.60): VN060565.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN060565.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN060565.D (-2095) (-)





#35

Dibromofluoromethane

Concen: 48.079 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

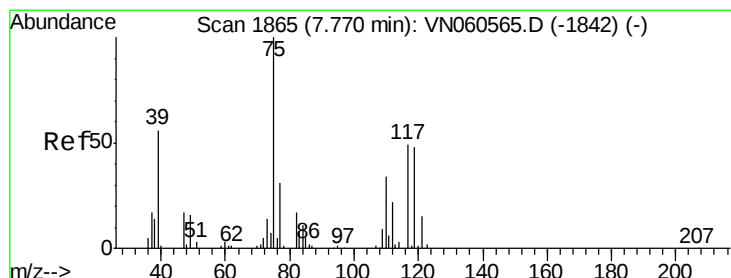
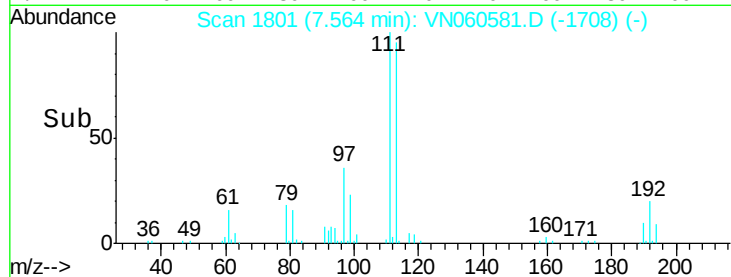
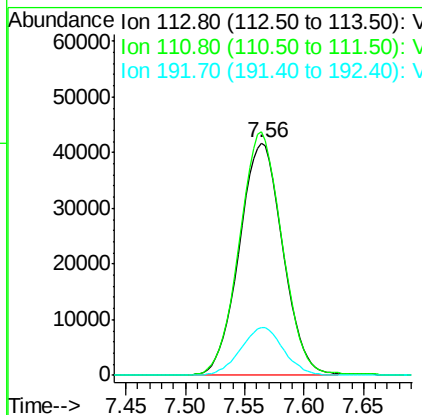
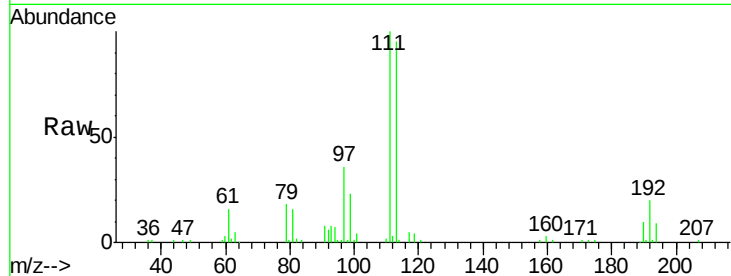
ClientSampleId :

VN0318WBS01

Tot Ion:	113	Resp:	105720
Ion Ratio	Lower	Upper	
113	100		
111	103.1	82.9	124.3
192	20.3	15.8	23.8

Manual Integrations
APPROVED

MMDadoda
3/19/2020 1:02:49 PM



#36

1,1-Dichloropropene

Concen: 19.106 ug/l

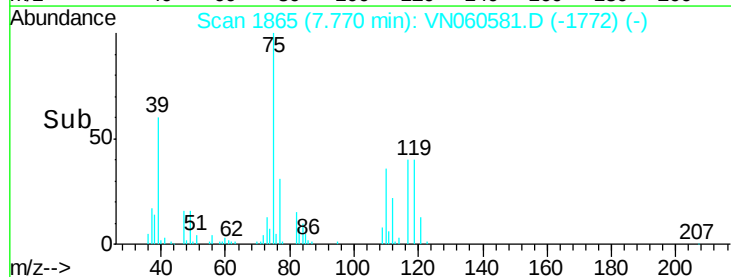
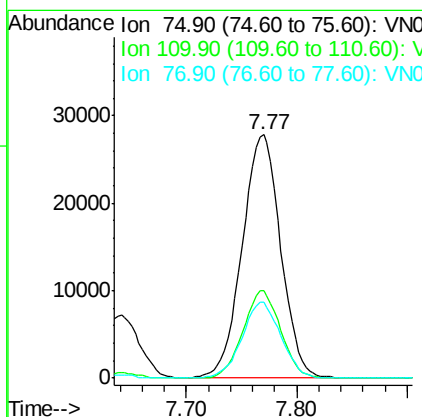
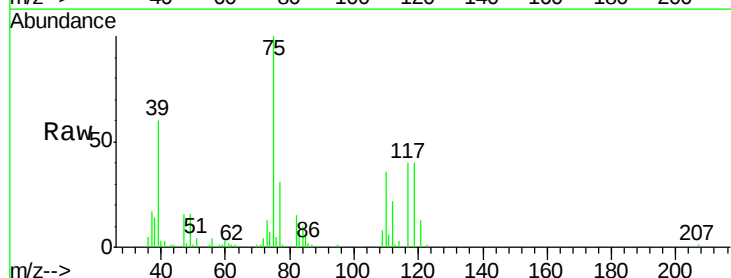
RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Tgt Ion:	75	Resp:	67276
Ion Ratio	Lower	Upper	
75	100		
110	34.8	16.9	50.6
77	31.3	24.6	36.8





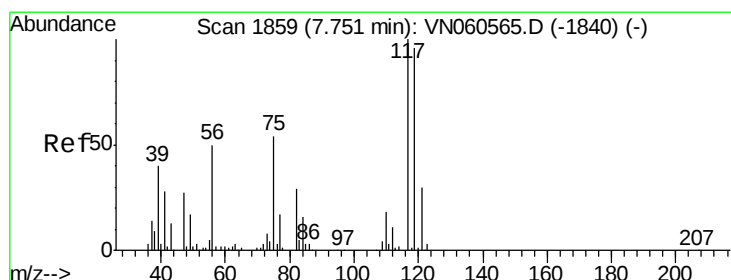
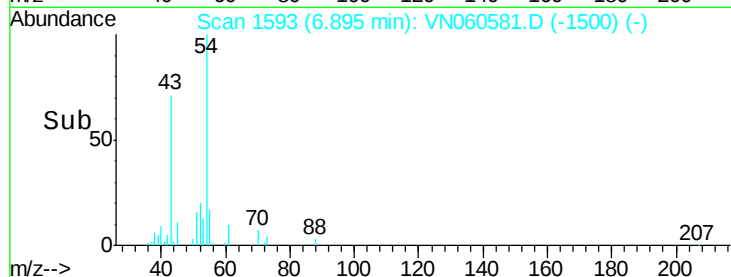
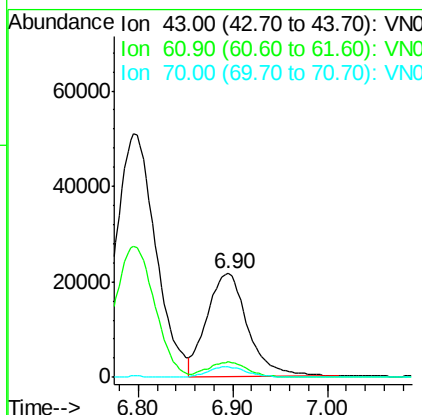
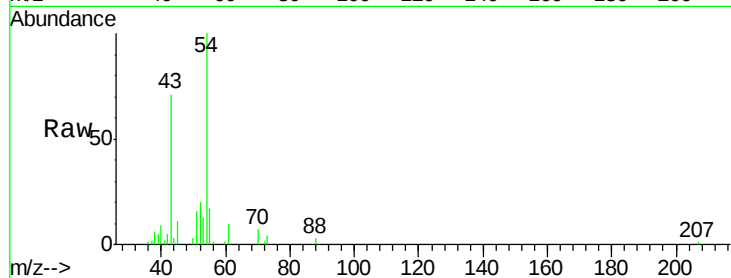
#37
Ethyl Acetate
Concen: 17.041 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion	43	Resp	64838
Ion Ratio	100	Lower	Upper
43	100		
61	14.6	10.6	15.8
70	9.7	7.9	11.9

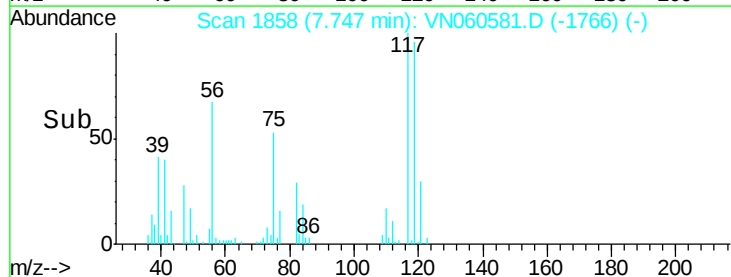
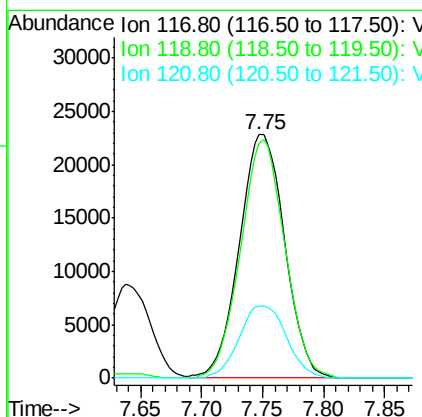
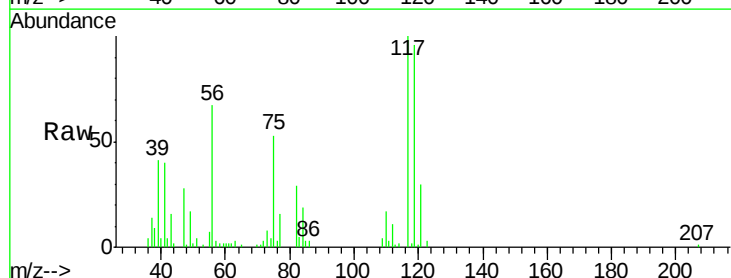
Manual Integrations
APPROVED

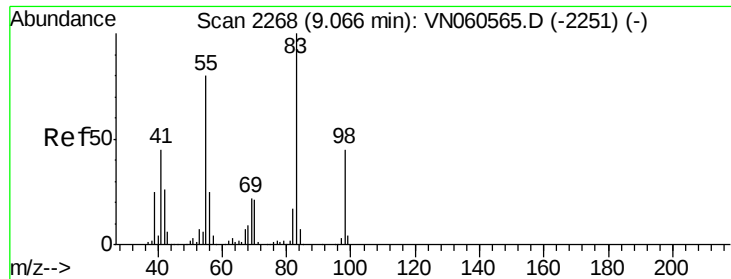
MMDadoda
3/19/2020 1:02:49 PM



#38
Carbon Tetrachloride
Concen: 18.628 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion	117	Resp	58789
Ion Ratio	100	Lower	Upper
117	100		
119	96.3	76.2	114.2
121	29.8	23.7	35.5





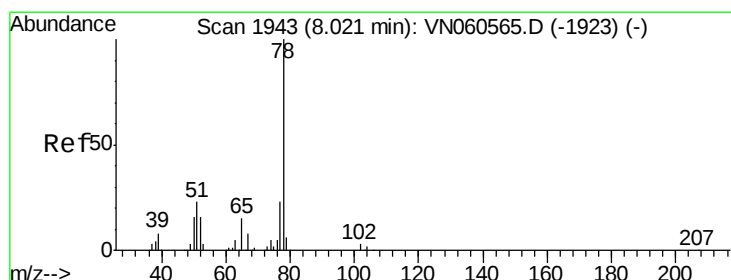
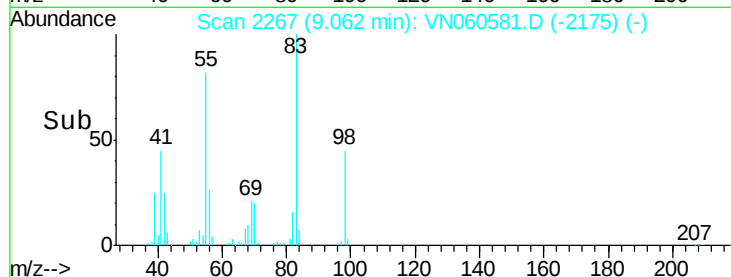
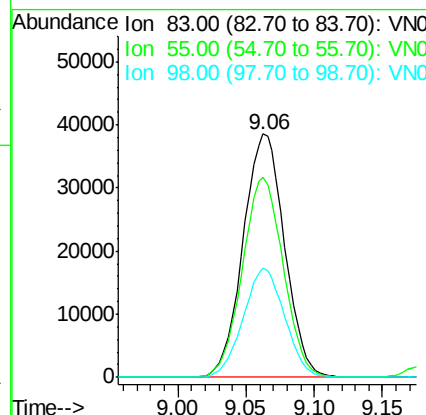
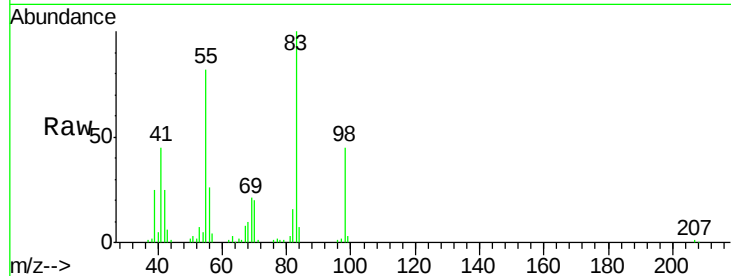
#39
Methvlcvclohexane
Concen: 19.427 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.4	63.6	95.4
98	44.6	36.0	54.0

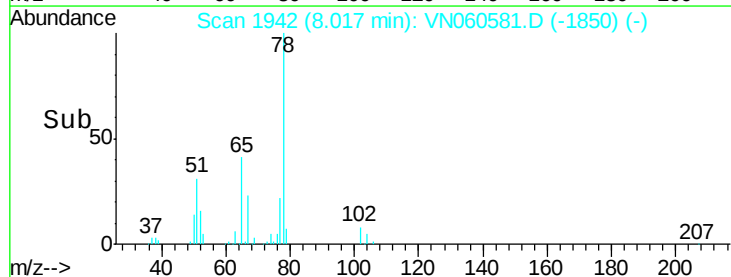
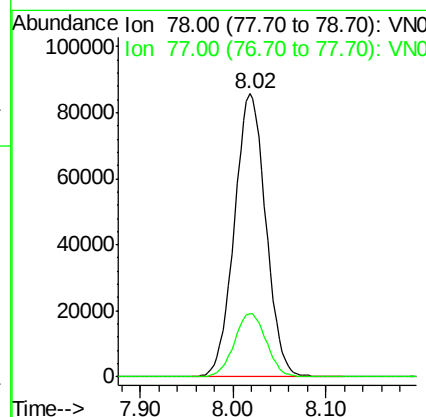
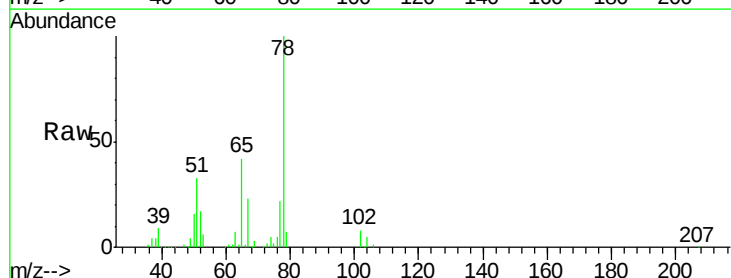
Manual Integrations
APPROVED

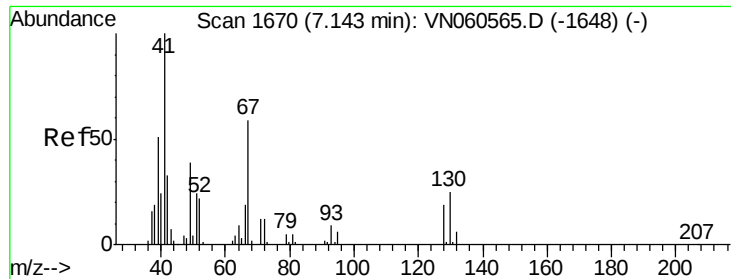
MMDadoda
3/19/2020 1:02:49 PM



#40
Benzene
Concen: 18.930 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.6	28.0





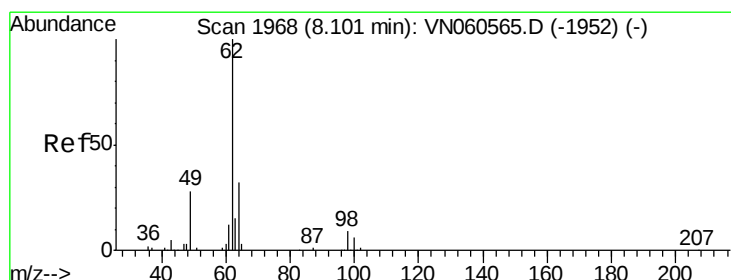
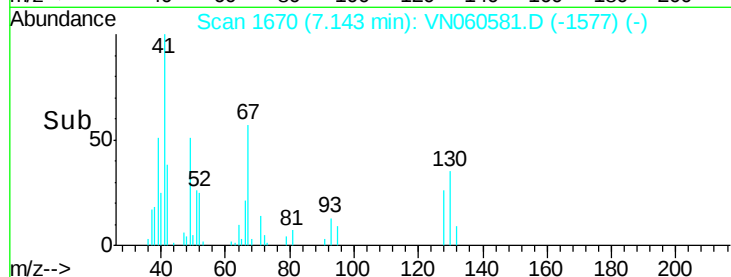
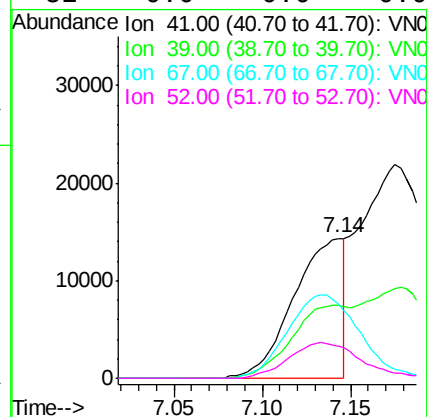
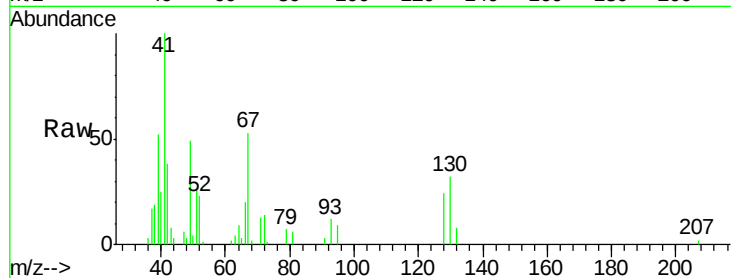
#41
Methacrylonitrile
Concen: 17.521 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion	41	Resp:	28451
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

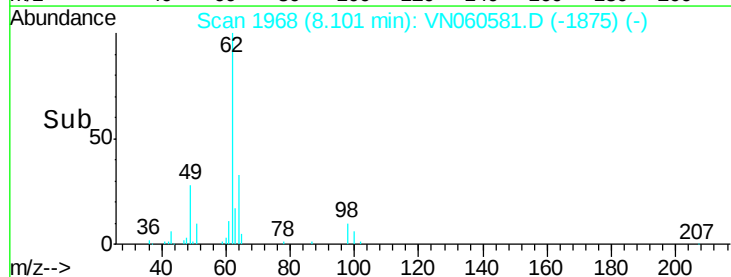
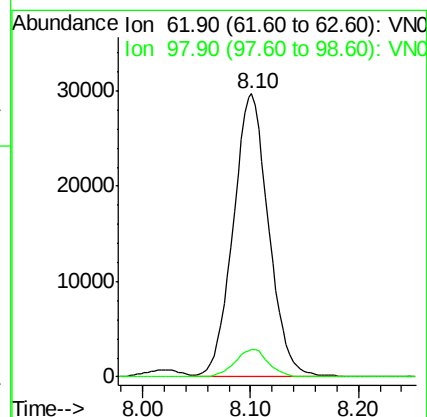
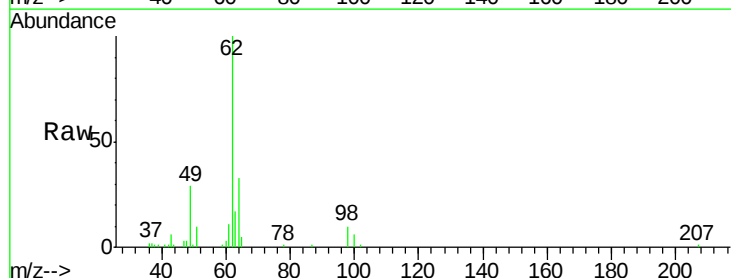
Manual Integrations
APPROVED

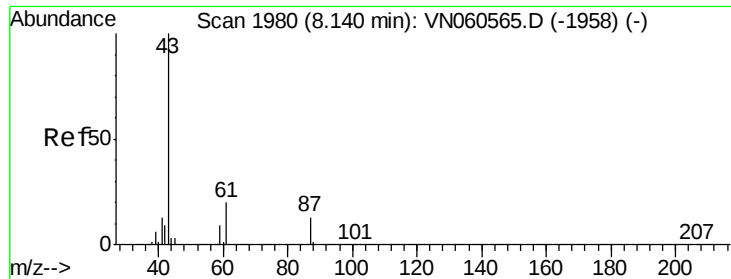
MMDadoda
3/19/2020 1:02:49 PM



#42
1,2-Dichloroethane
Concen: 18.704 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion	62	Resp:	67949
Ion Ratio	Lower	Upper	
62	100		
98	9.1	0.0	17.8





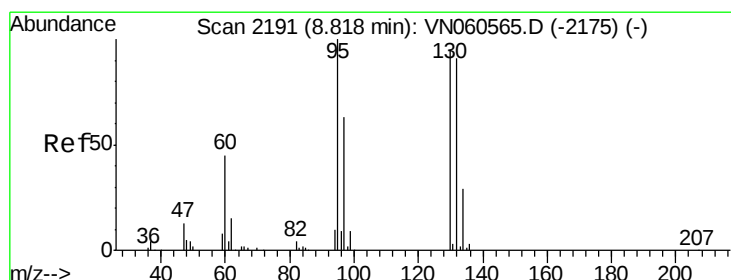
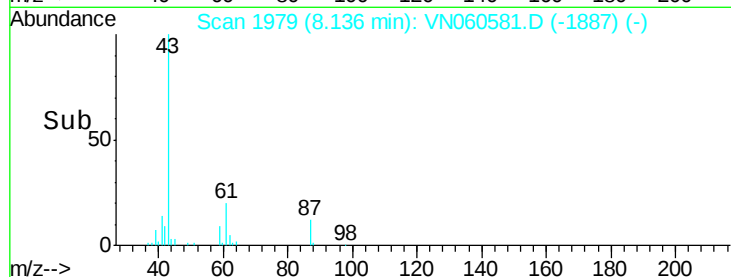
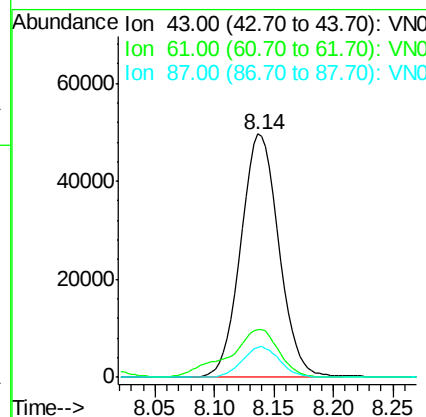
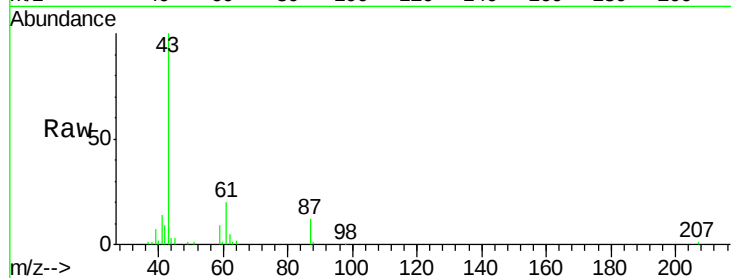
#43
Isopropyl Acetate
Concen: 17.574 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.7	31.1
87	12.4	9.8	14.8

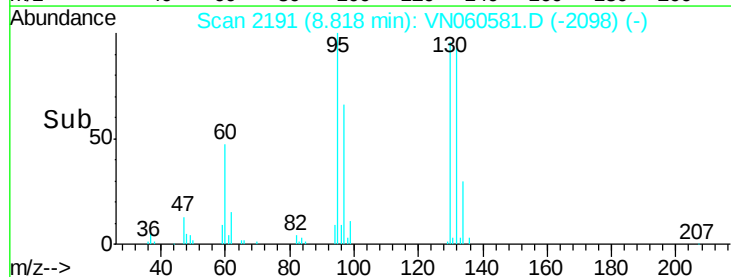
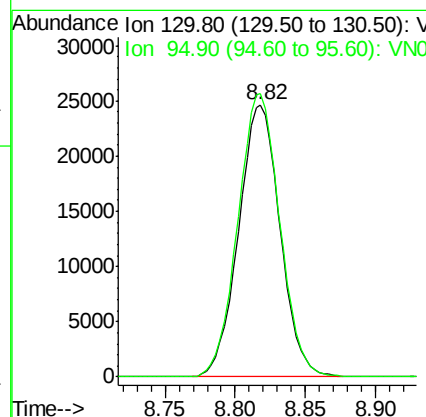
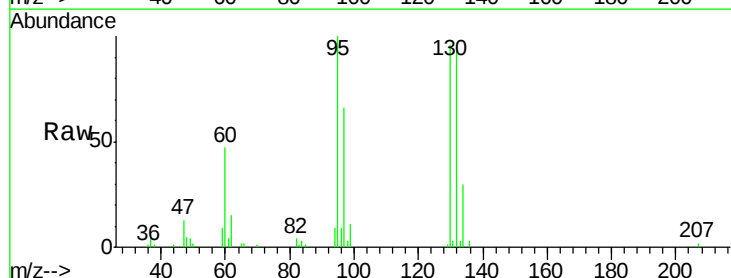
Manual Integrations
APPROVED

MMDadoda
3/19/2020 1:02:49 PM



#44
Trichloroethene
Concen: 18.927 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	211.2





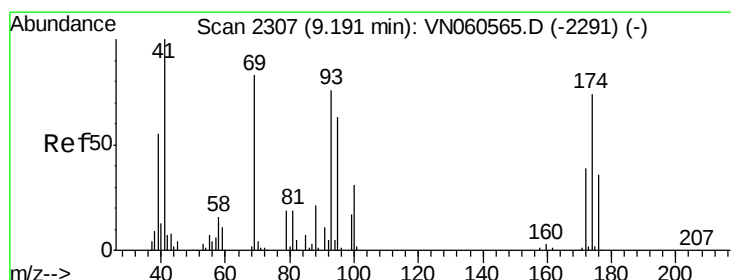
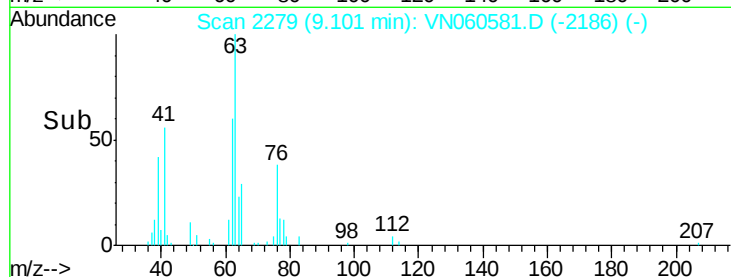
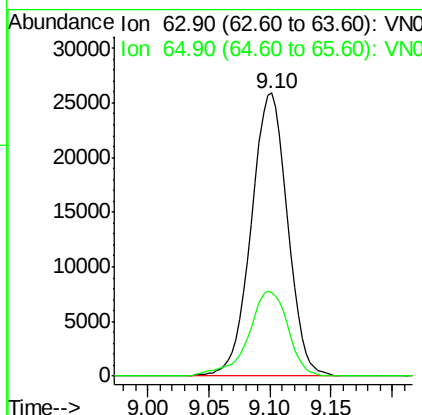
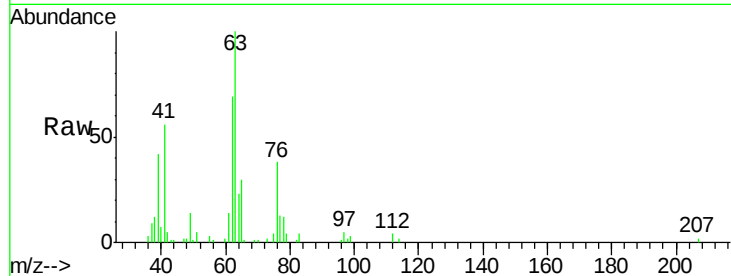
#45
 1,2-Dichloropropane
 Concen: 18.975 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

Tot Ion: 63 Resp: 53224
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.4 38.0

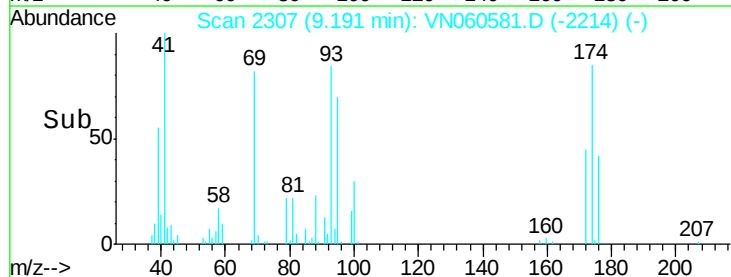
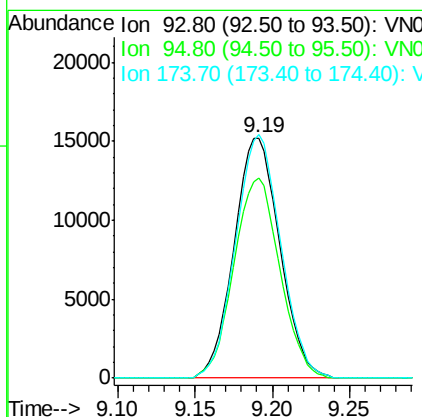
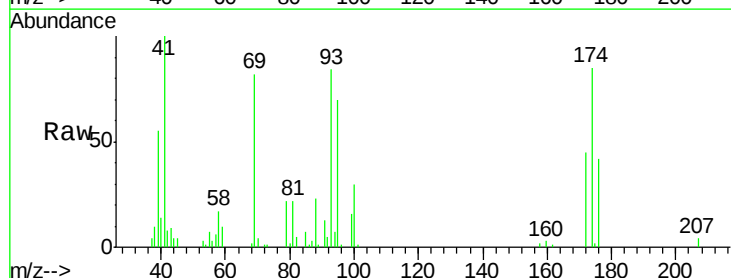
Manual Integrations
 APPROVED

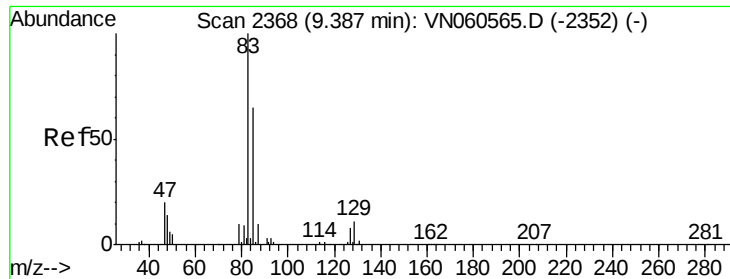
MMDadoda
 3/19/2020 1:02:49 PM



#46
 Dibromomethane
 Concen: 18.497 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Tgt Ion: 93 Resp: 31366
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.2 99.4
 174 99.9 77.9 116.9





#47

Bromodichloromethane

Concen: 18.454 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

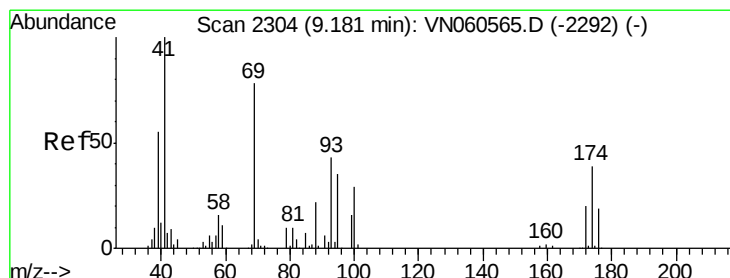
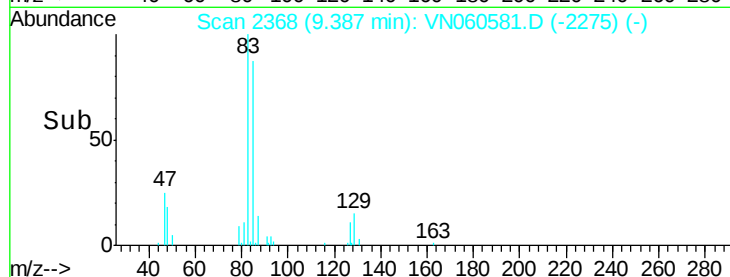
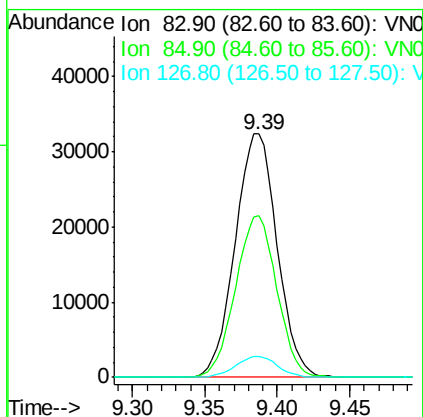
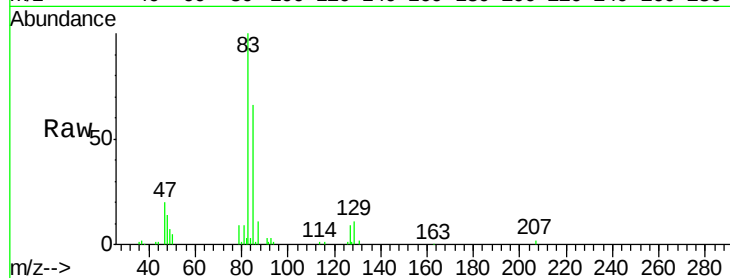
ClientSampleId :

VN0318WBS01

Tot Ion:	83	Resp:	65028
Ion Ratio	Lower	Upper	
83	100		
85	66.2	51.8	77.6
127	8.5	6.5	9.7

Manual Integrations
APPROVED

MMDadoda
3/19/2020 1:02:49 PM



#48

Methyl methacrylate

Concen: 16.935 ug/l

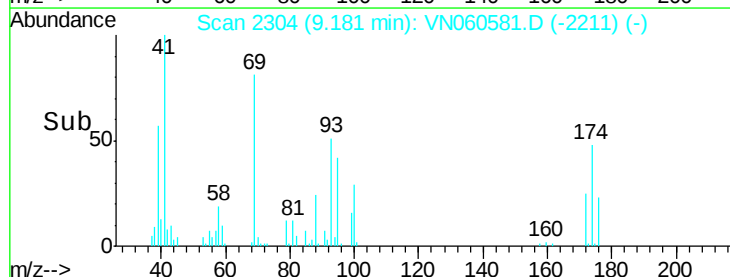
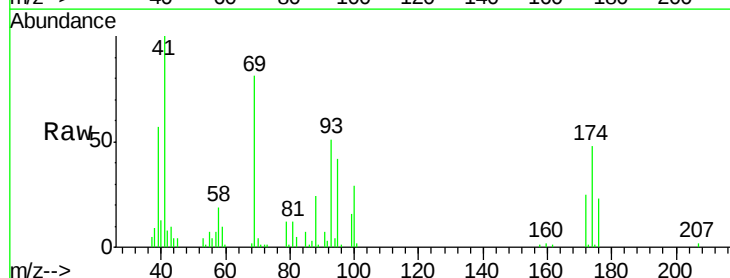
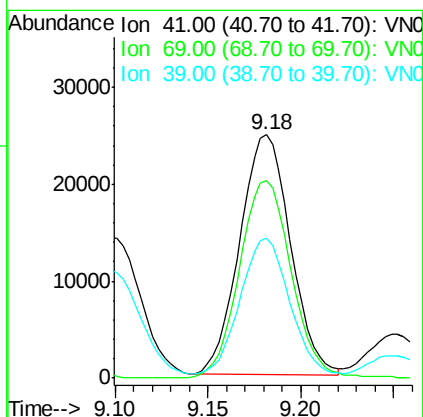
RT: 9.18 min Scan# 2304

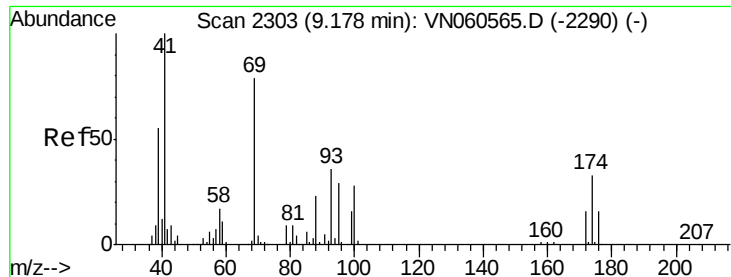
Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Tgt Ion:	41	Resp:	47312
Ion Ratio	Lower	Upper	
41	100		
69	84.2	65.4	98.0
39	55.2	44.0	66.0





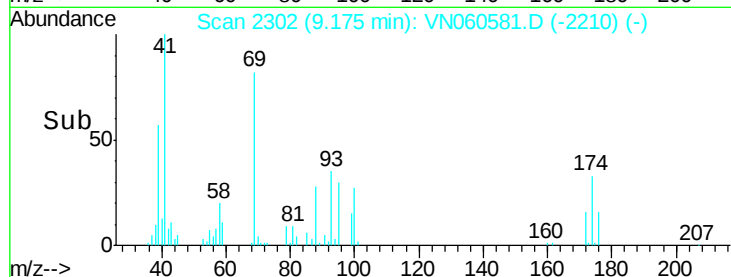
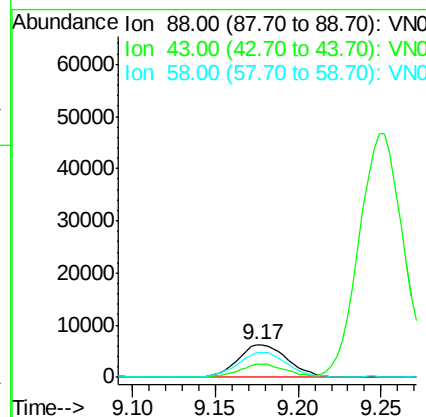
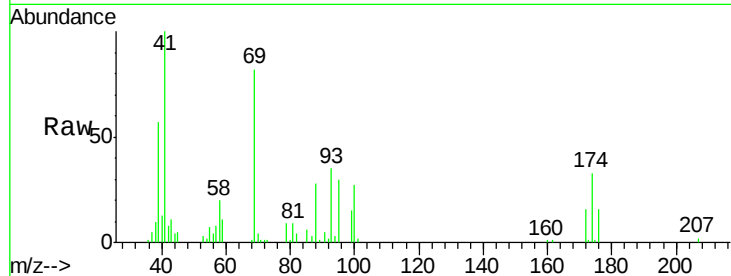
#49
1,4-Dioxane
Concen: 393.802 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	30.8	46.2
58	75.7	59.8	89.8

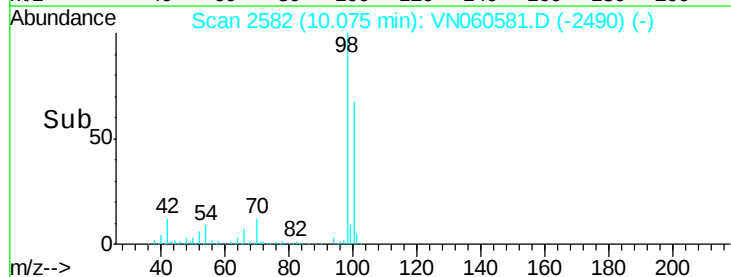
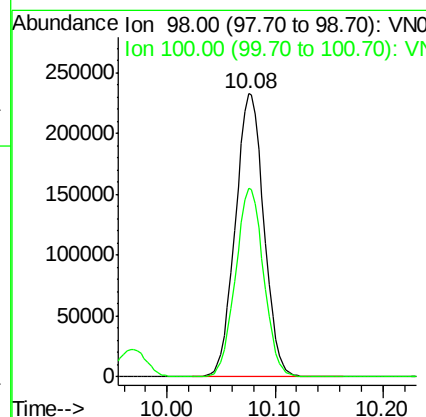
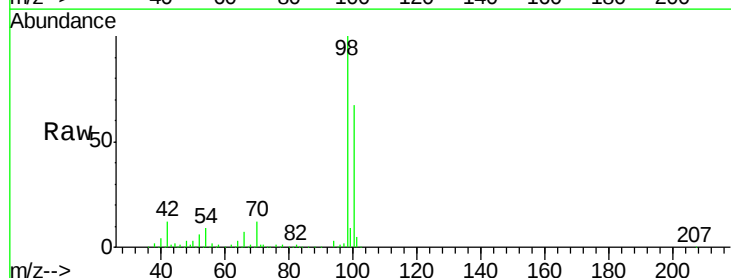
Manual Integrations
APPROVED

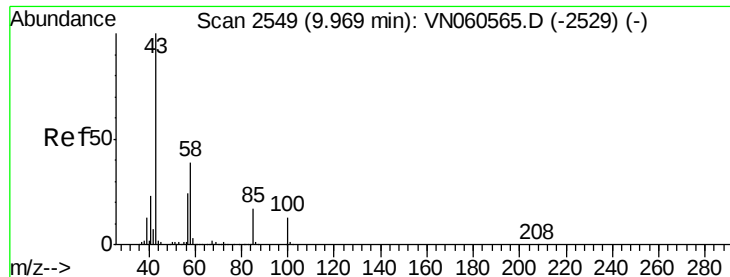
MMDadoda
3/19/2020 1:02:49 PM



#50
Toluene-d8
Concen: 47.850 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	51.8	77.8





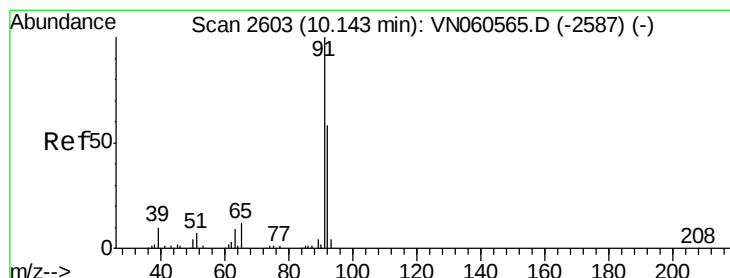
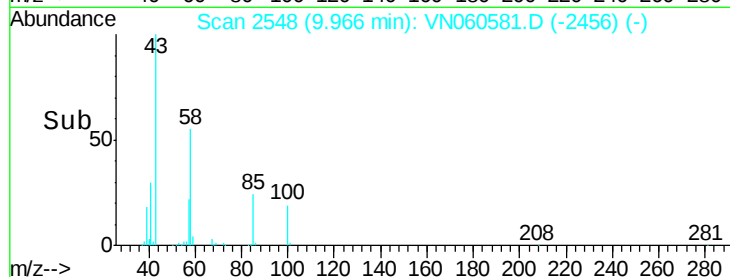
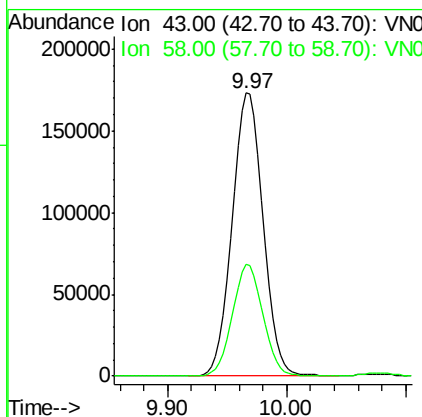
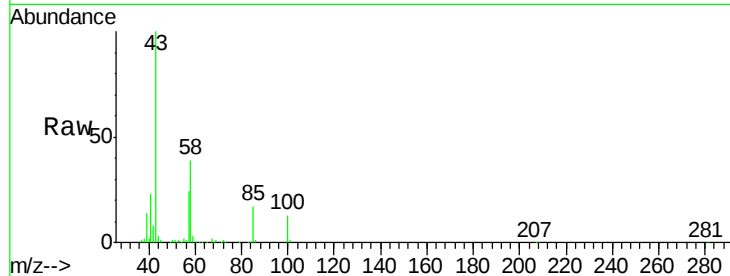
#51
 4-Methyl-2-Pentanone
 Concen: 87.550 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	30.8	46.2

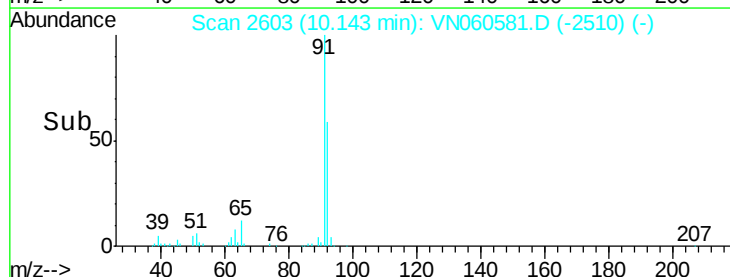
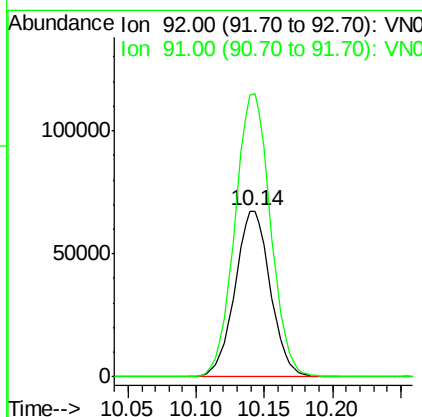
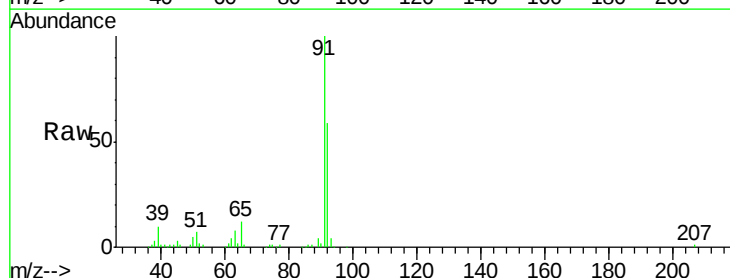
Manual Integrations
 APPROVED

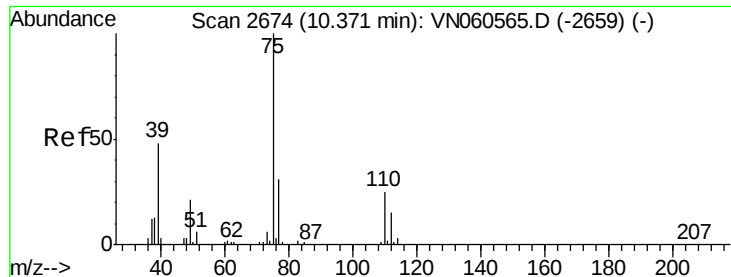
MMDadoda
 3/19/2020 1:02:49 PM



#52
 Toluene
 Concen: 18.860 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.5	137.6	206.4





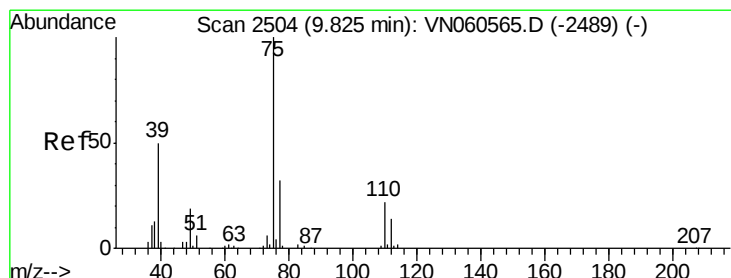
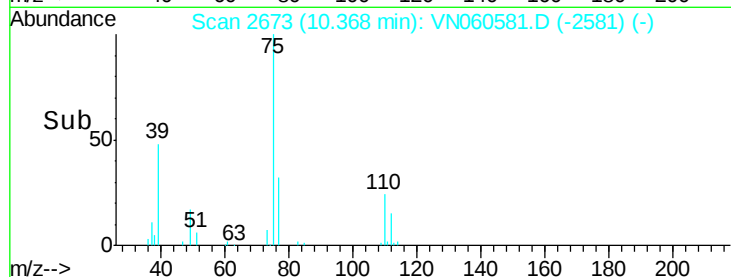
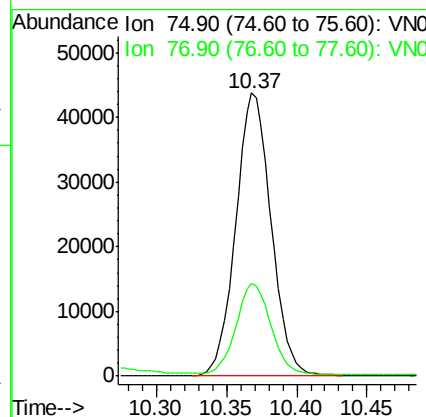
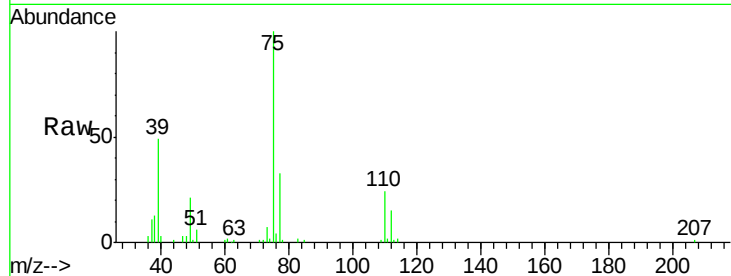
#53
t-1,3-Dichloropropene
Concen: 18.978 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.1	37.7

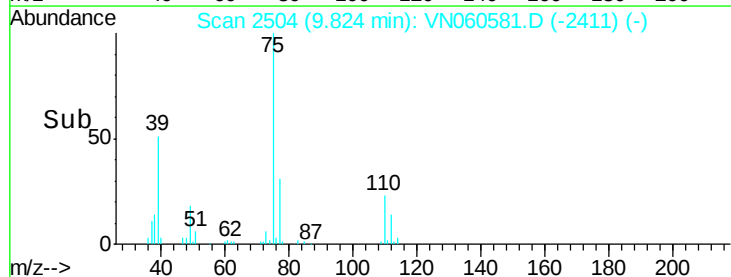
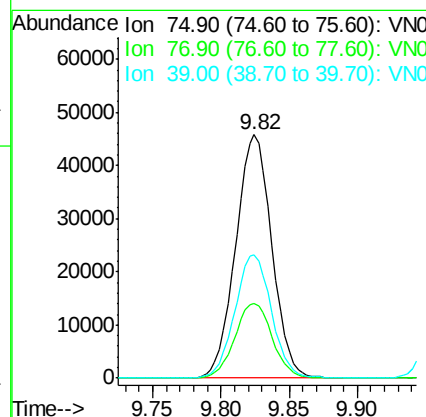
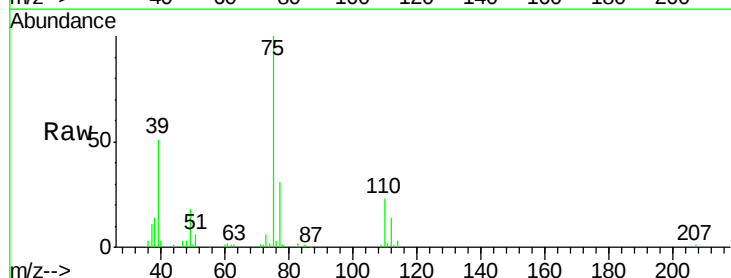
Manual Integrations
APPROVED

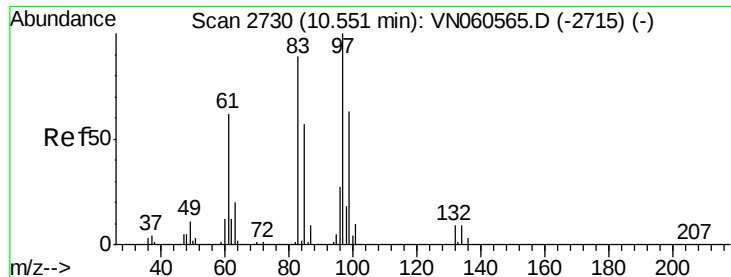
MMDadoda
3/19/2020 1:02:49 PM



#54
cis-1,3-Dichloropropene
Concen: 18.996 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0
39	50.6	40.2	60.4





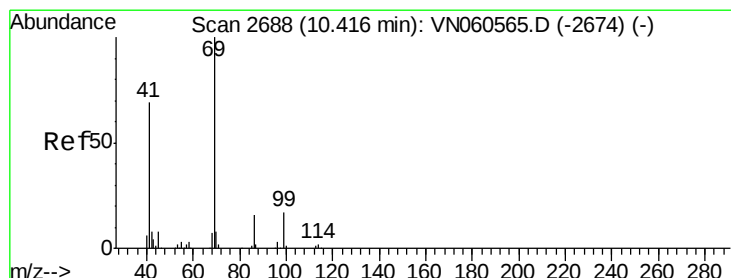
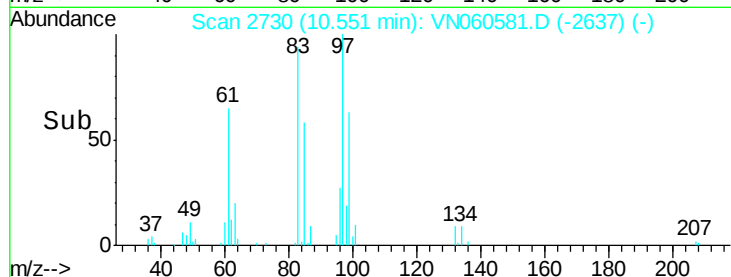
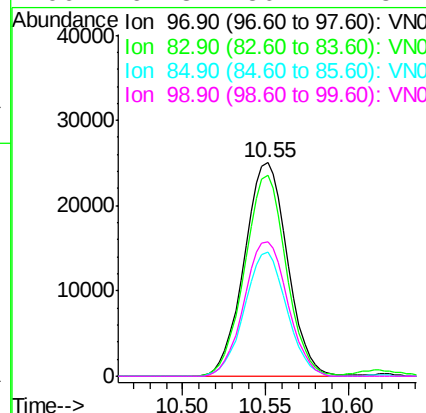
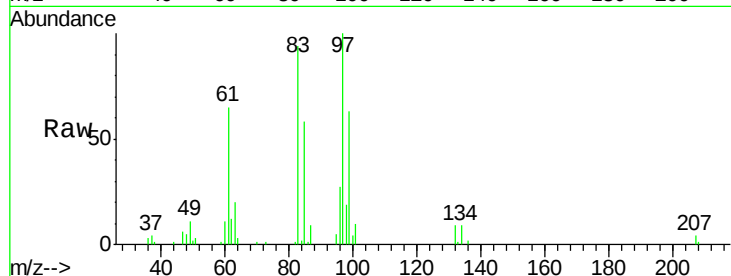
#55
 1,1,2-Trichloroethane
 Concen: 18.434 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

Tot Ion:	97	Resp:	45527
Ion	Ratio	Lower	Upper
97	100		
83	94.1	71.3	106.9
85	57.9	45.2	67.8
99	62.8	50.1	75.1

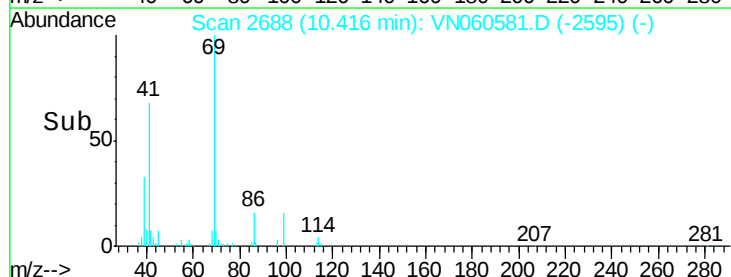
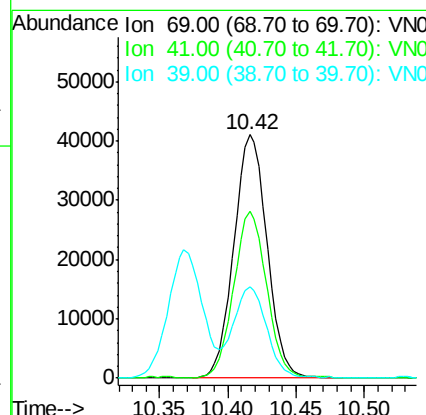
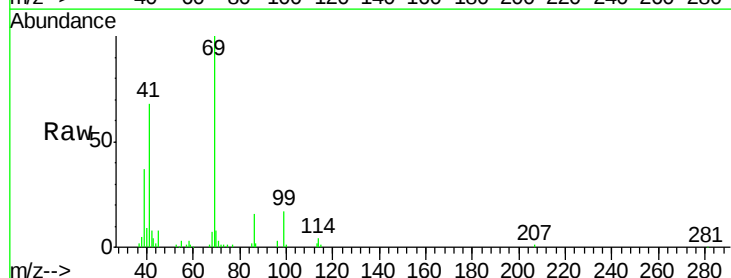
Manual Integrations
 APPROVED

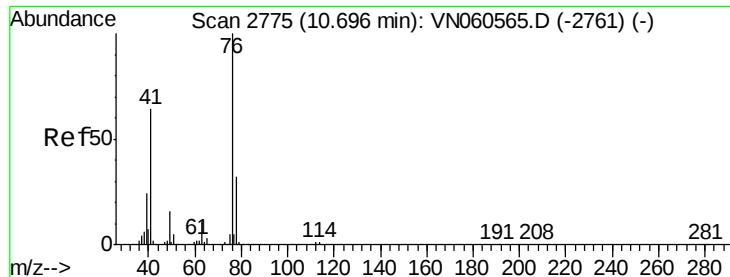
MMDadoda
 3/19/2020 1:02:49 PM



#56
 Ethyl methacrylate
 Concen: 18.013 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Tgt Ion:	69	Resp:	69365
Ion	Ratio	Lower	Upper
69	100		
41	68.1	55.4	83.2
39	37.4	29.4	44.0





#57

1,3-Dichloropropane

Concen: 18.726 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

Tot Ion: 76 Resp: 80255

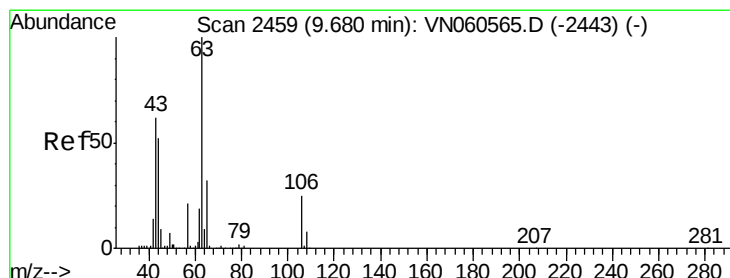
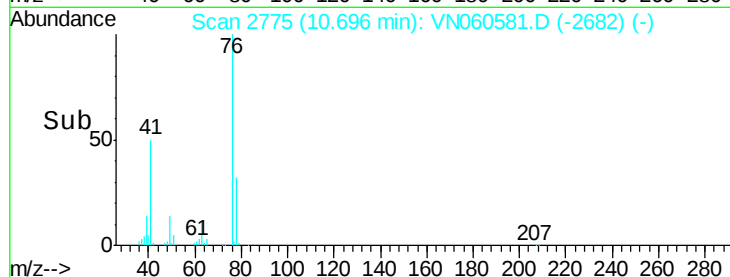
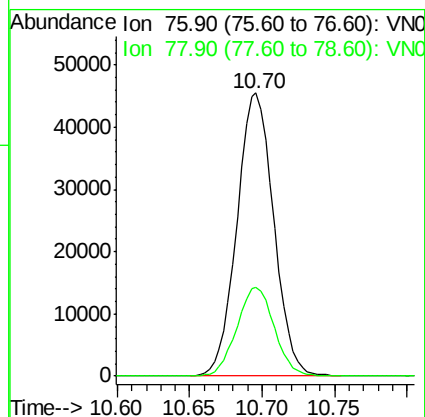
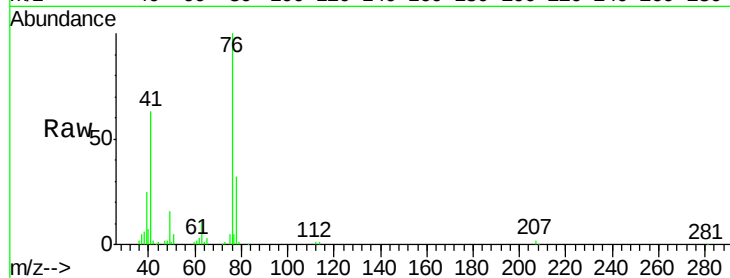
Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.6

Manual Integrations
APPROVED

MMDadoda
3/19/2020 1:02:49 PM



#58

2-Chloroethyl Vinyl ether

Concen: 92.165 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060581.D

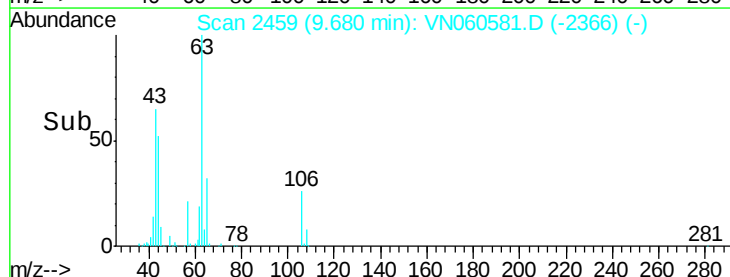
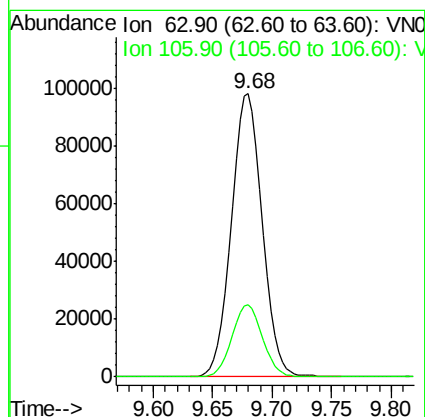
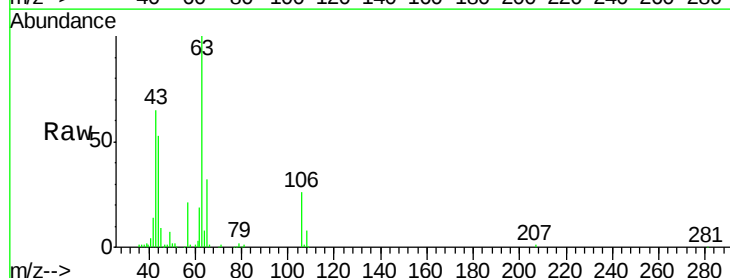
Acq: 18 Mar 2020 10:58

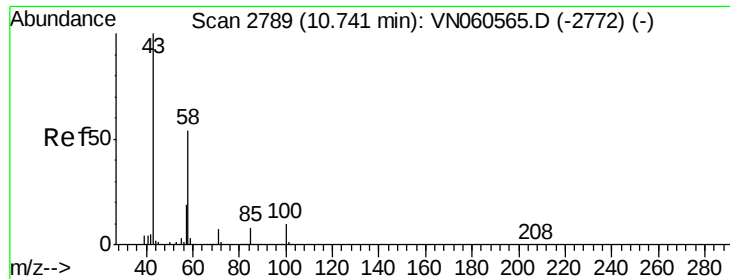
Tgt Ion: 63 Resp: 176400

Ion Ratio Lower Upper

63 100

106 25.2 20.0 30.0





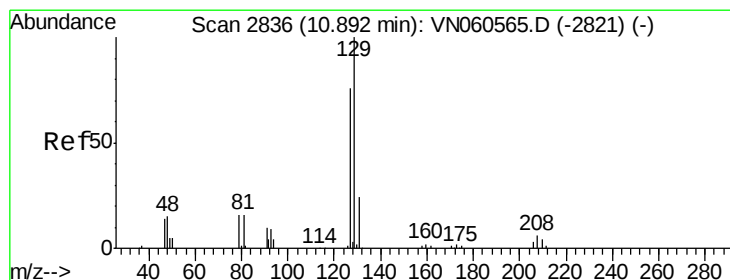
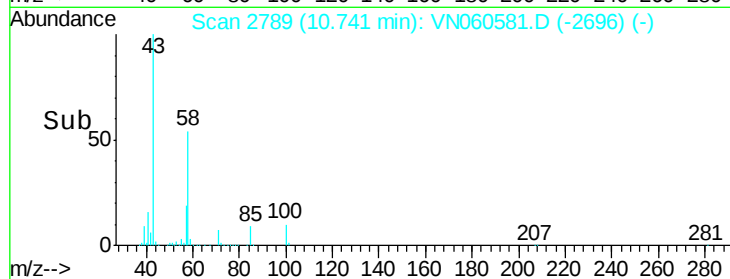
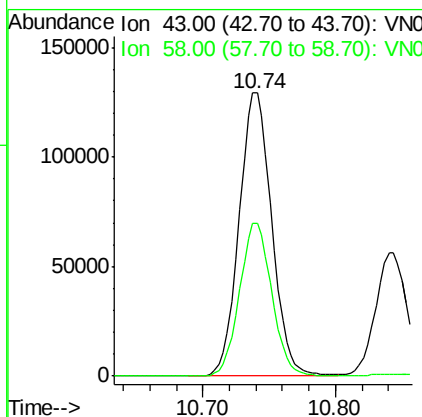
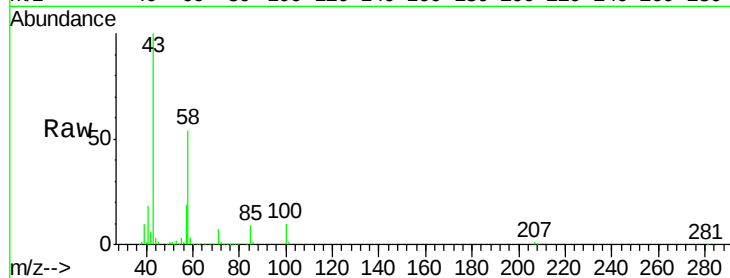
#59
2-Hexanone
Concen: 86.042 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion: 43 Resp: 221314
Ion Ratio Lower Upper
43 100
58 53.4 26.7 80.1

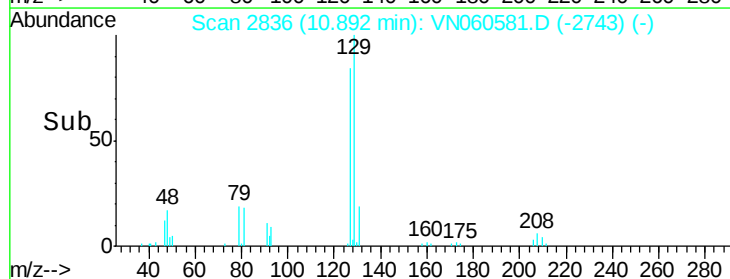
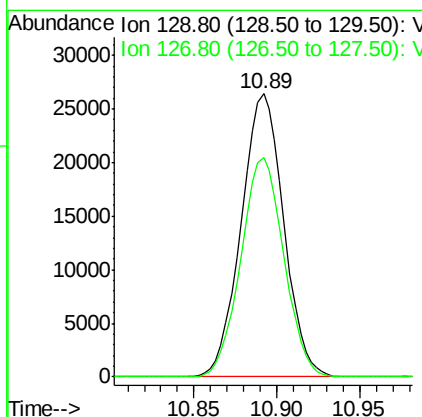
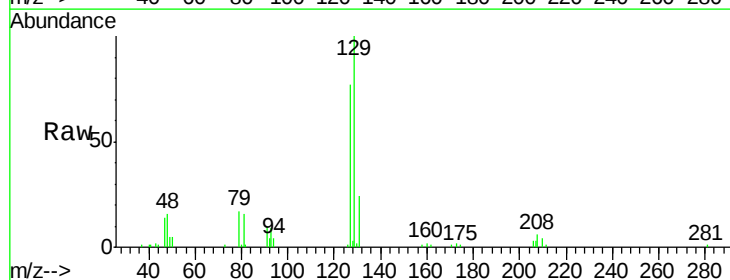
Manual Integrations
APPROVED

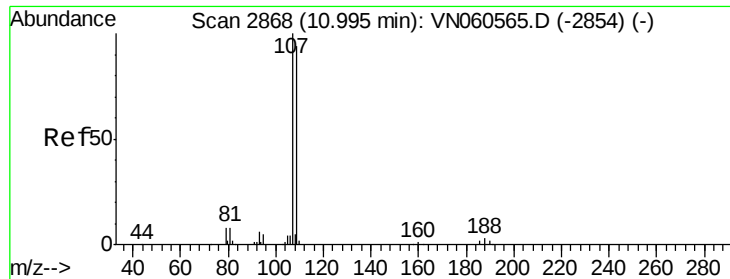
MMDadoda
3/19/2020 1:02:49 PM



#60
Dibromochloromethane
Concen: 18.460 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion: 129 Resp: 47094
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.5





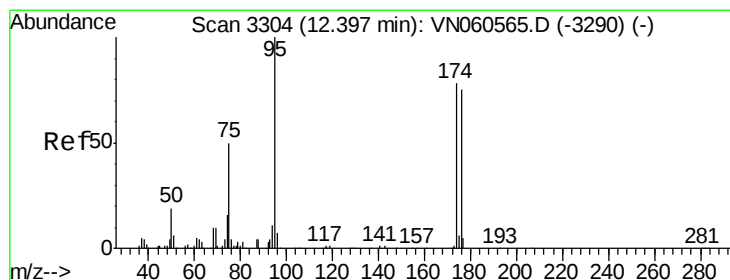
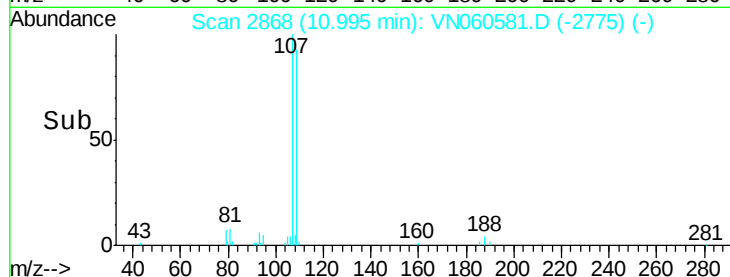
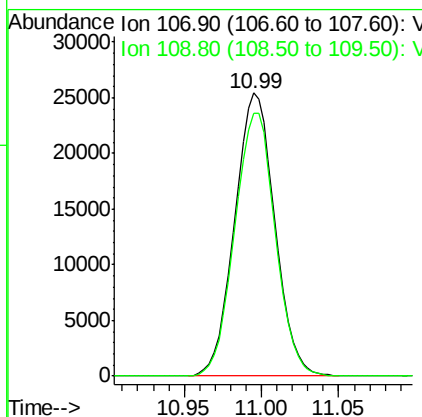
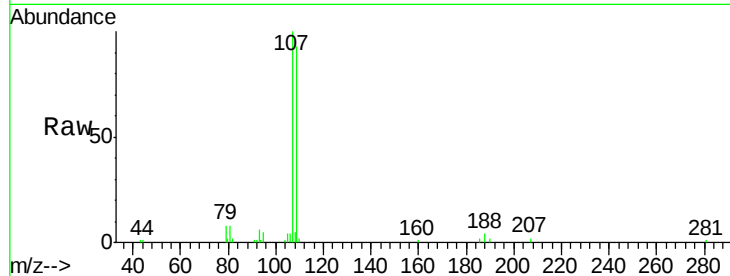
#61
 1,2-Dibromoethane
 Concen: 18.427 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.4	113.2

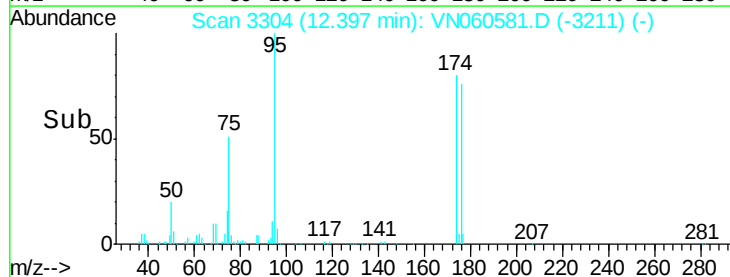
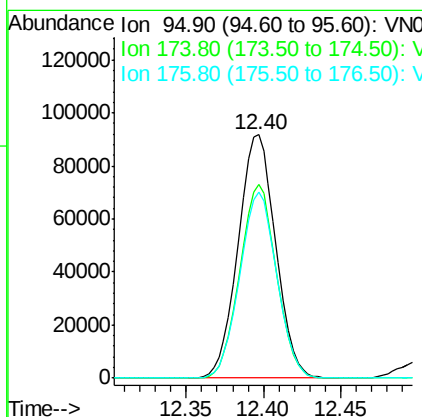
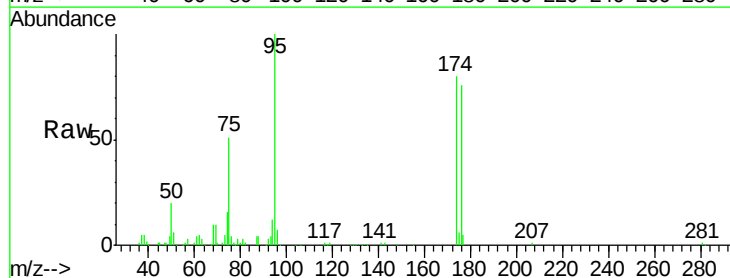
Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:02:49 PM



#62
 4-Bromofluorobenzene
 Concen: 46.990 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.8	0.0	157.6
176	75.5	0.0	150.6





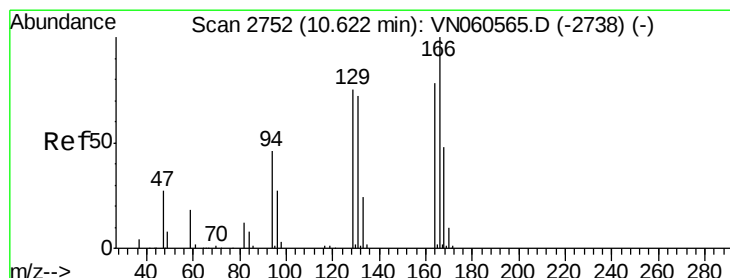
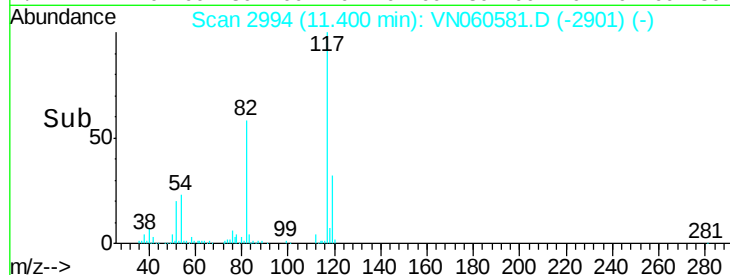
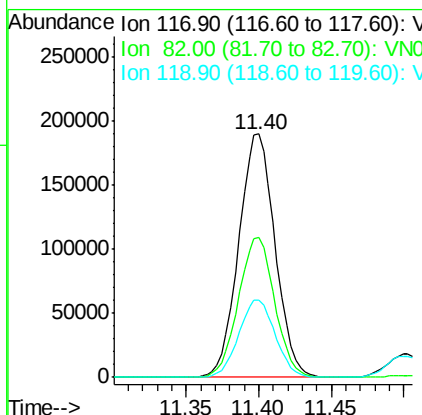
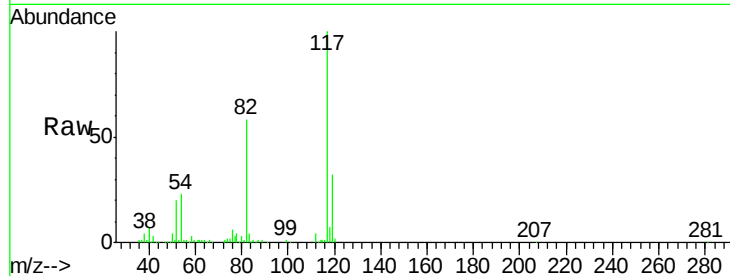
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.7	46.7	70.1
119	31.7	25.5	38.3

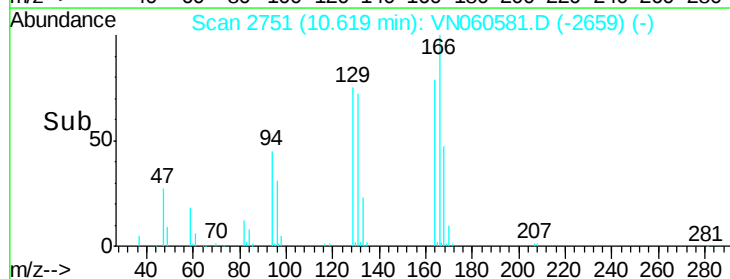
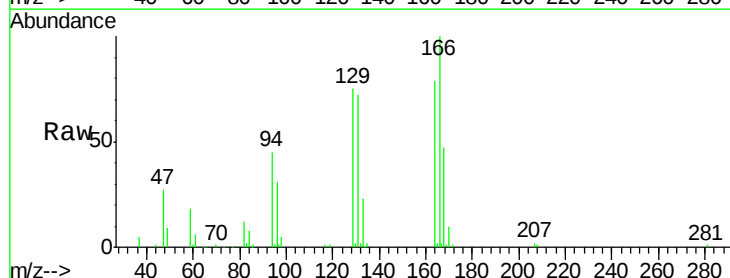
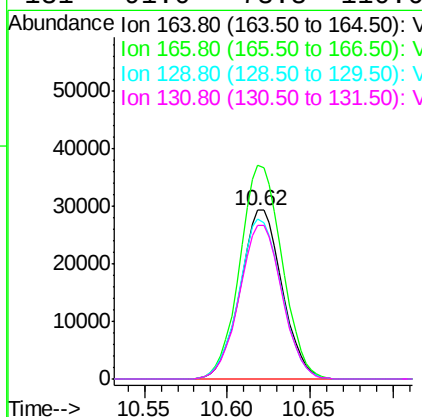
Manual Integrations
APPROVED

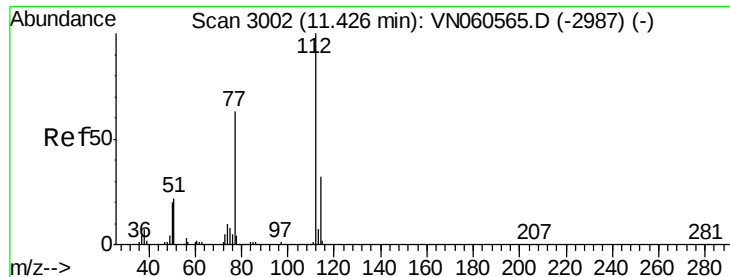
MMDadoda
3/19/2020 1:02:49 PM



#64
Tetrachloroethene
Concen: 19.804 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	102.7	154.1
129	94.9	77.2	115.8
131	91.0	73.8	110.6





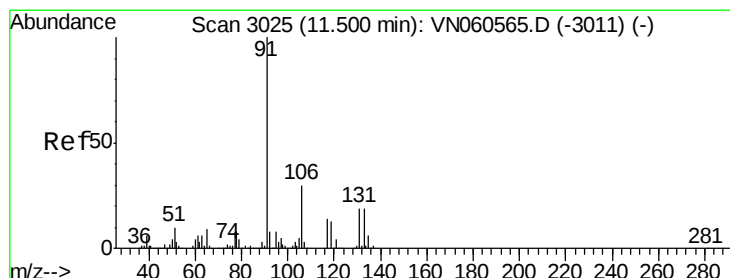
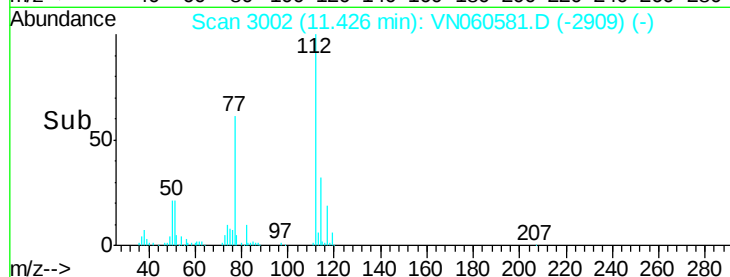
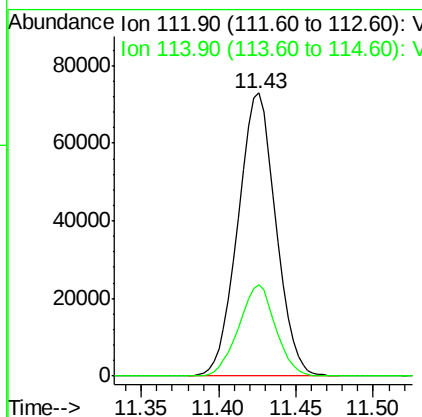
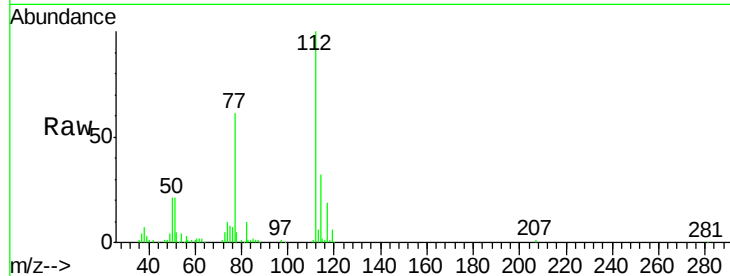
#65
Chlorobenzene
Concen: 18.994 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.8	38.6

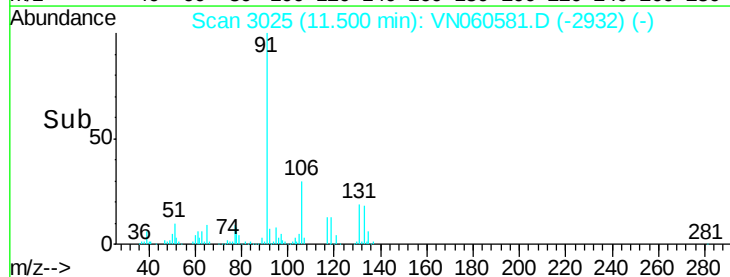
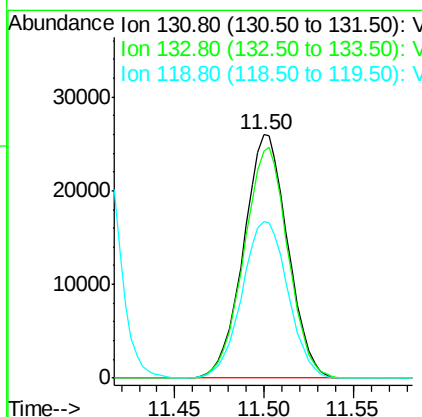
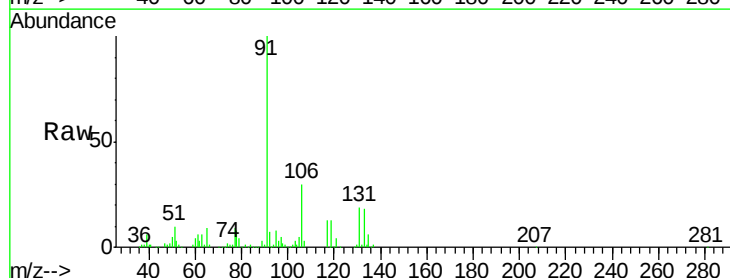
Manual Integrations
APPROVED

MMDadoda
3/19/2020 1:02:49 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.987 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.4	48.9	146.8
119	66.6	33.9	101.7





#67

Ethyl Benzene

Concen: 19.157 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

Tot Ion: 91 Resp: 233153

Ion Ratio Lower Upper

91 100

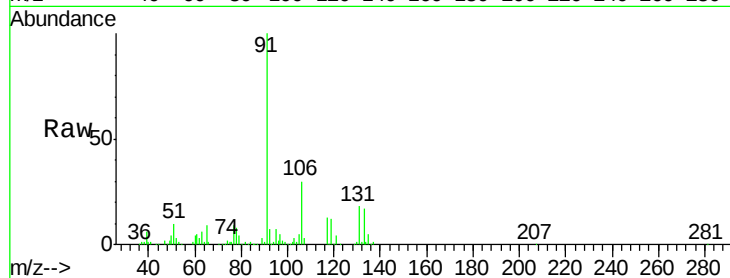
106 30.4 24.2 36.2

Manual Integrations

APPROVED

MMDadoda

3/19/2020 1:02:49 PM



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

200000

150000

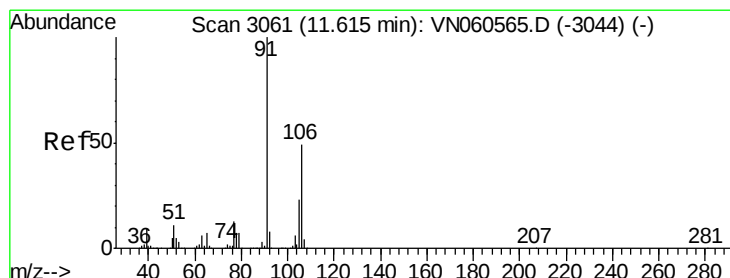
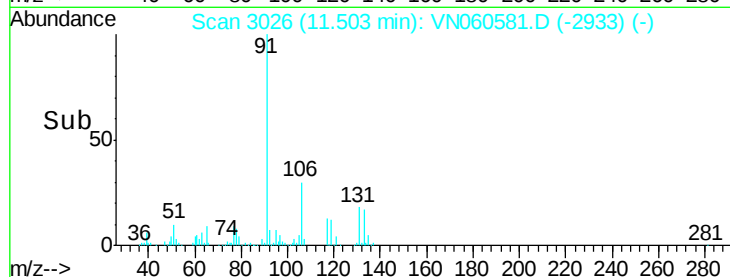
100000

50000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 37.984 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060581.D

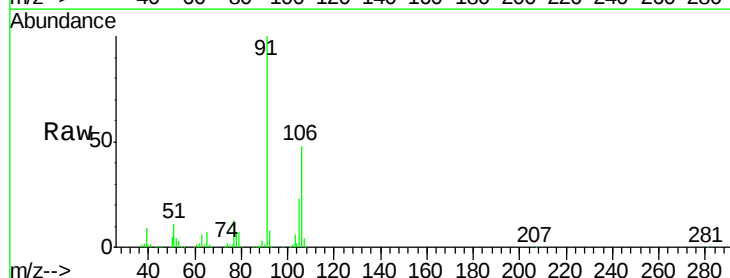
Acq: 18 Mar 2020 10:58

Tgt Ion: 106 Resp: 171788

Ion Ratio Lower Upper

106 100

91 207.5 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

200000

150000

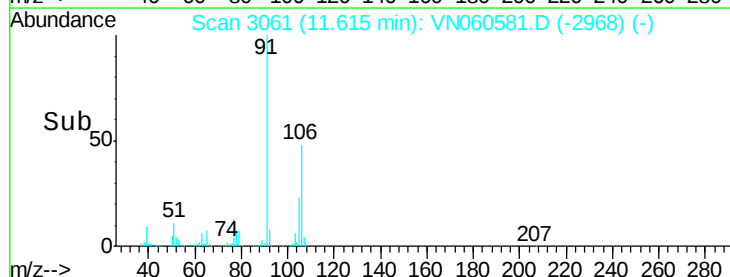
100000

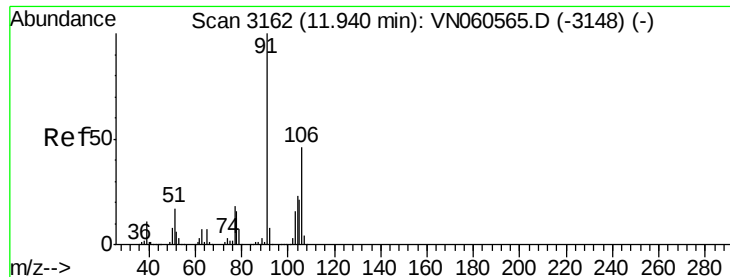
50000

0

11.55 11.60 11.65 11.70

Time-->





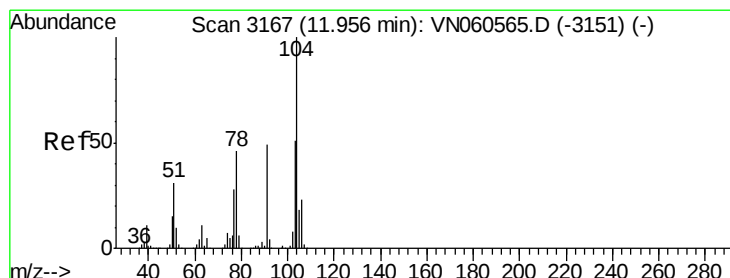
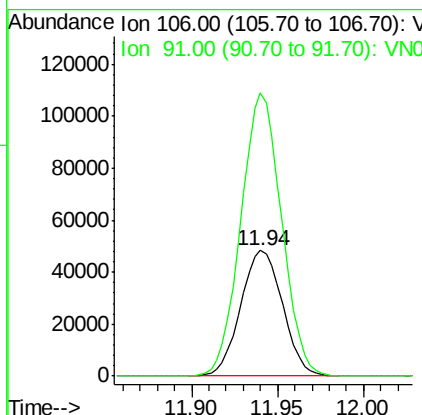
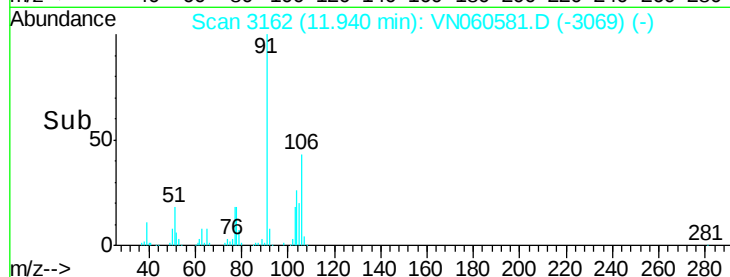
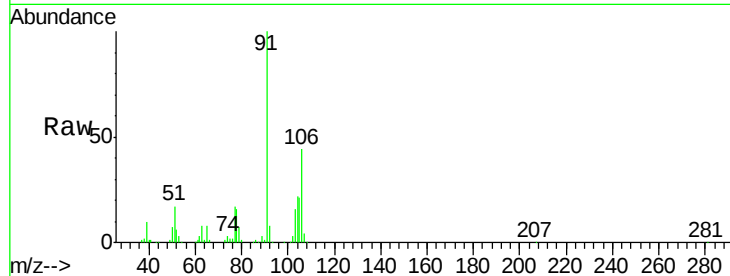
#69
o-Xylene
Concen: 18.903 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion:106 Resp: 81611
Ion Ratio Lower Upper
106 100
91 219.0 109.5 328.4

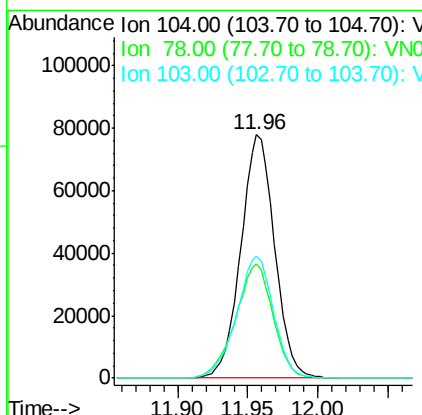
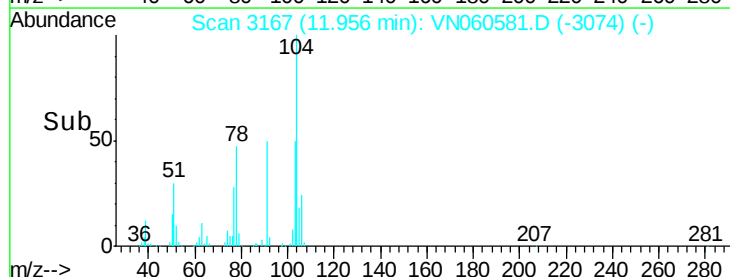
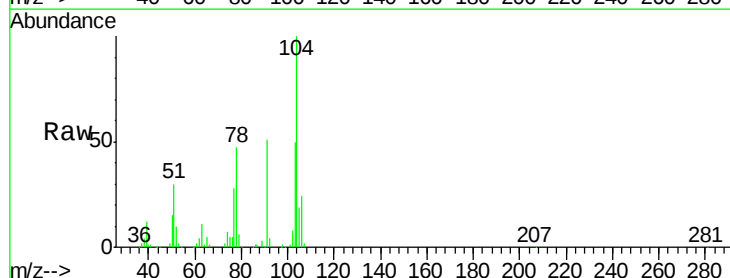
Manual Integrations
APPROVED

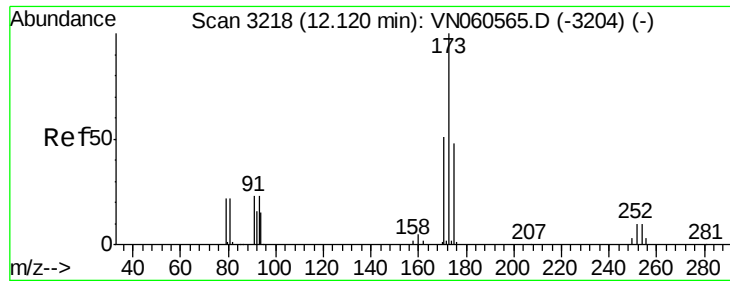
MMDadoda
3/19/2020 1:02:49 PM



#70
Styrene
Concen: 18.580 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion:104 Resp: 131195
Ion Ratio Lower Upper
104 100
78 51.7 41.2 61.8
103 54.6 44.0 66.0





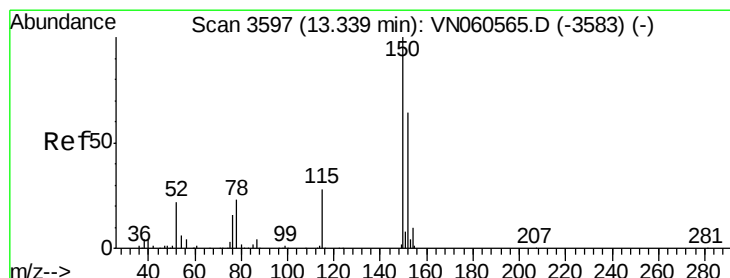
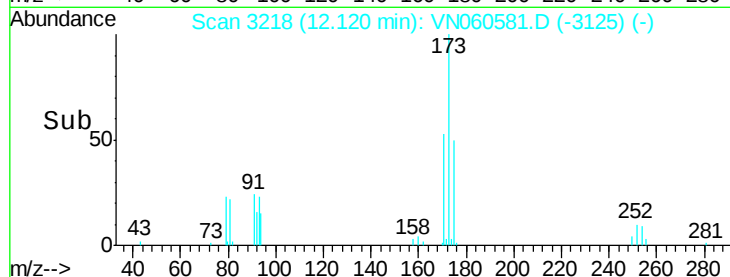
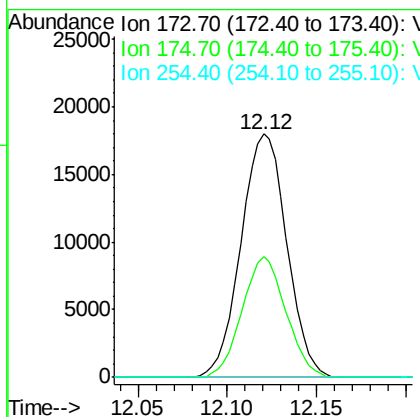
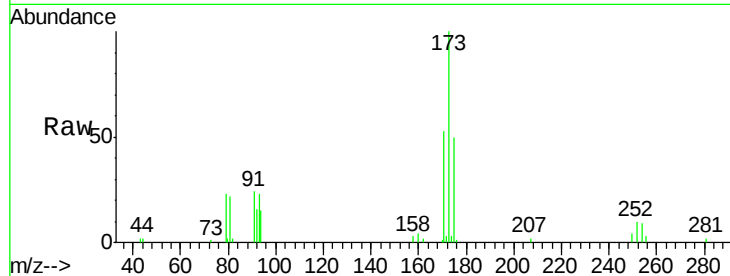
#71
Bromoform
Concen: 17.467 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.1	72.4
254	0.0	0.0	0.0

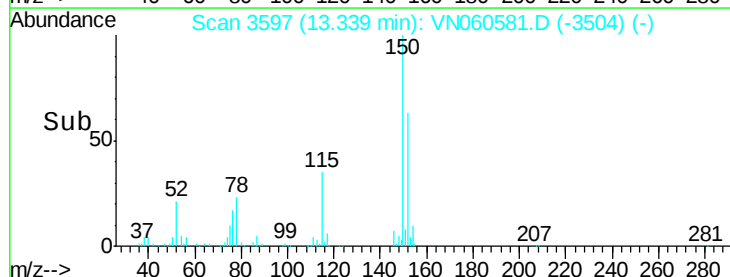
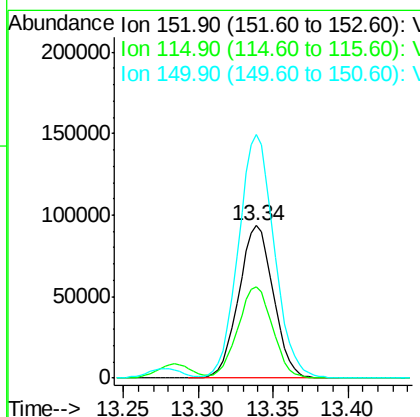
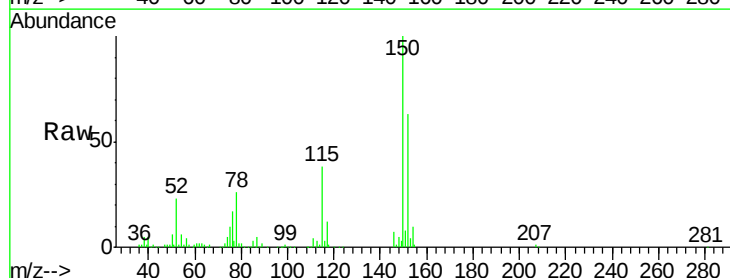
Manual Integrations
APPROVED

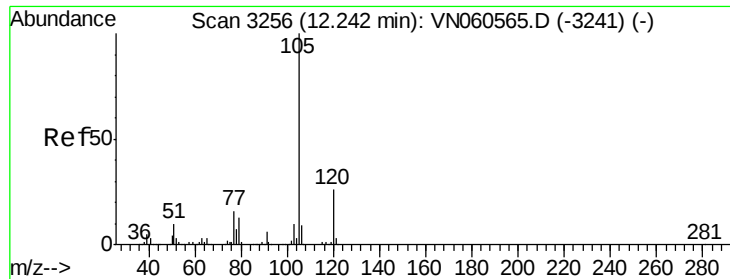
MMDadoda
3/19/2020 1:02:49 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	30.2	90.6
150	164.9	0.0	350.2





#73

Isopropylbenzene

Concen: 19.298 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

Tot Ion: 105 Resp: 218863

Ion Ratio Lower Upper

105 100

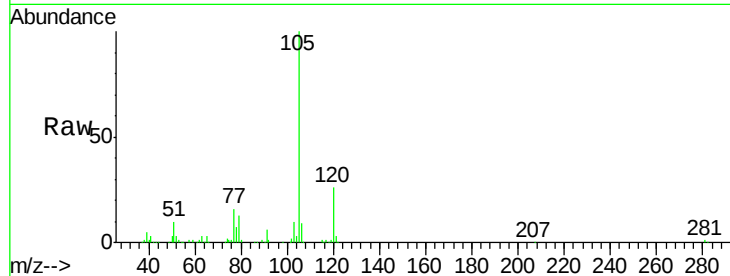
120 26.0 13.1 39.1

Manual Integrations

APPROVED

MMDadoda

3/19/2020 1:02:49 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

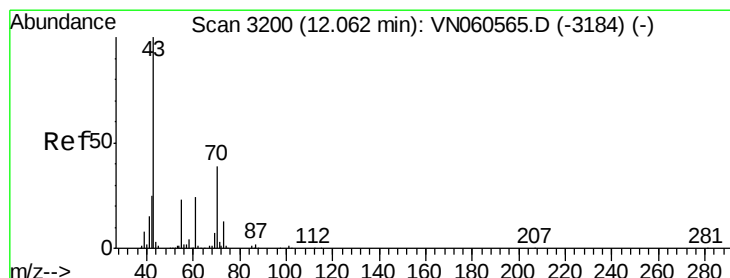
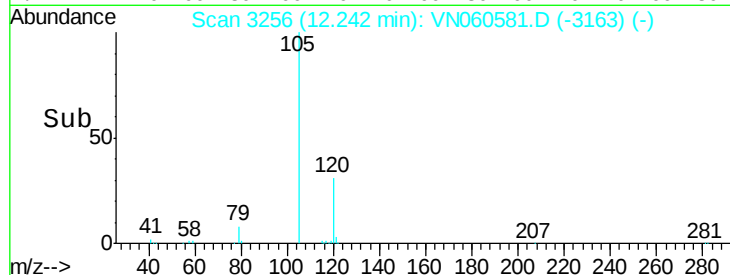
100000

50000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 17.587 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Tgt Ion: 43 Resp: 92166

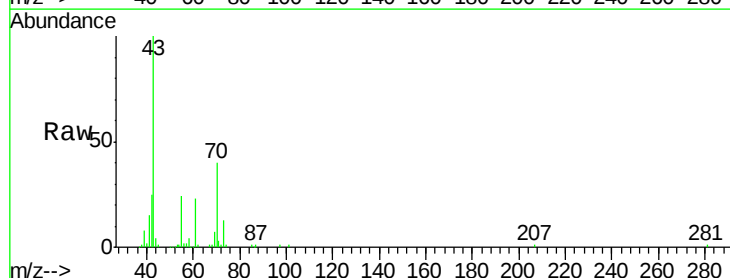
Ion Ratio Lower Upper

43 100

70 39.7 31.1 46.7

55 24.3 18.6 27.8

61 23.4 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 70.00 (69.70 to 70.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 61.00 (60.70 to 61.70): VN

80000

60000

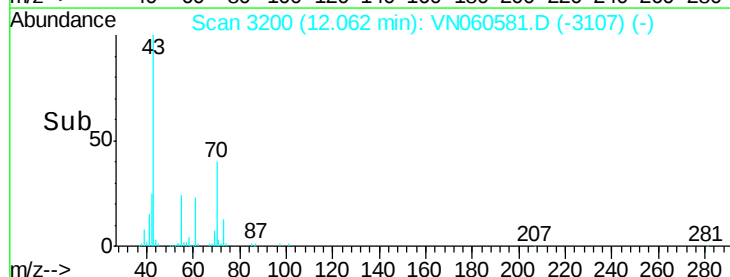
40000

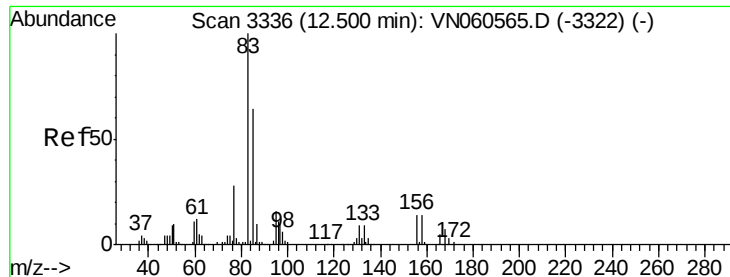
20000

0

12.00 12.05 12.10 12.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.918 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

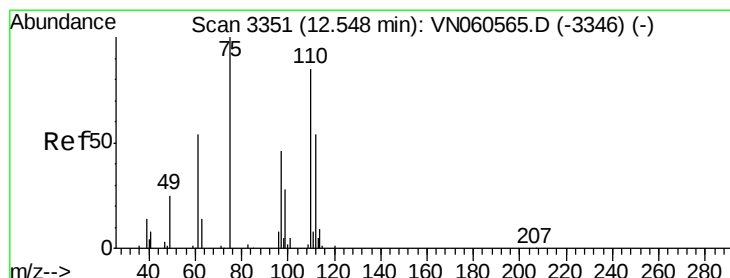
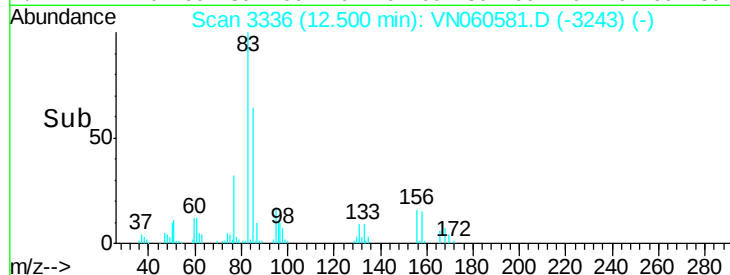
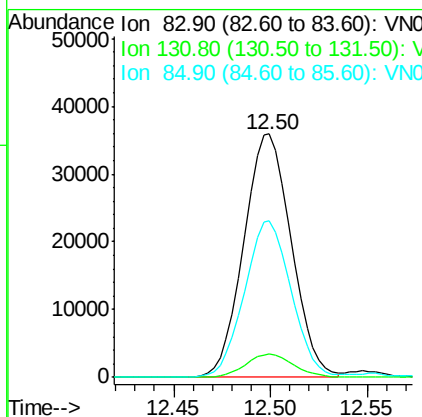
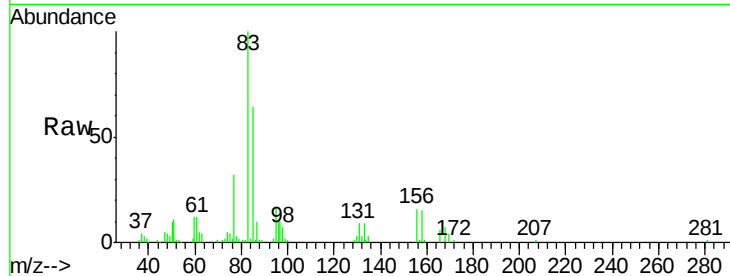
ClientSampleId :

VN0318WBS01

Tot Ion:	83	Resp:	61453
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.7
85	63.1	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
3/19/2020 1:02:49 PM



#76

1,2,3-Trichloropropane

Concen: 17.247 ug/l m

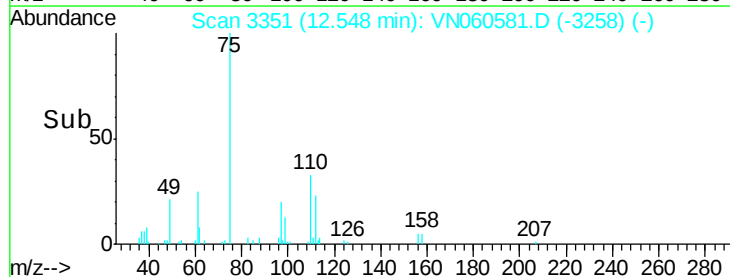
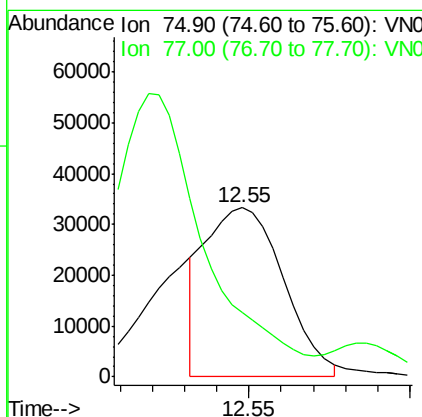
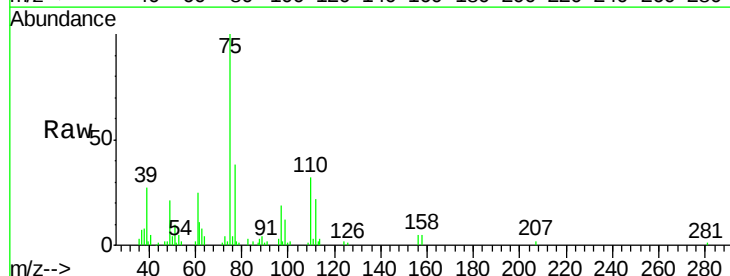
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Tgt Ion:	75	Resp:	56240
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.692 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

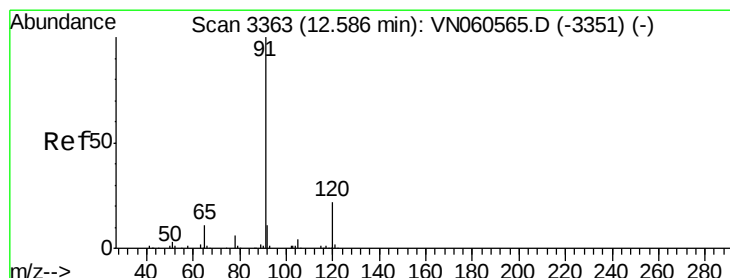
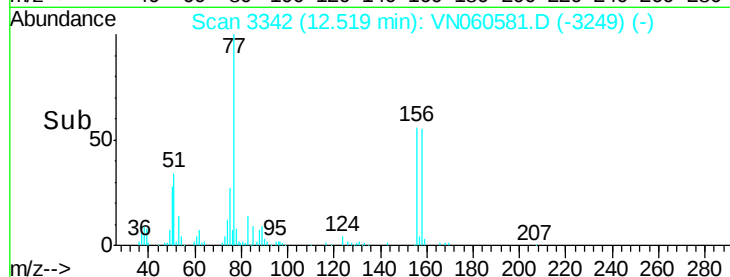
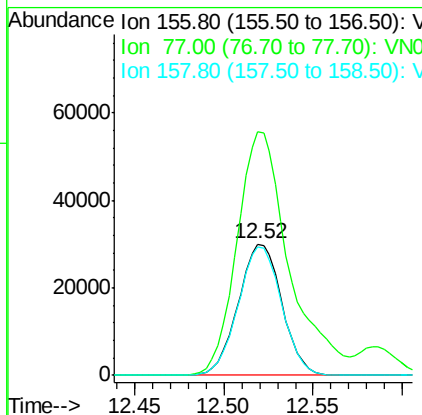
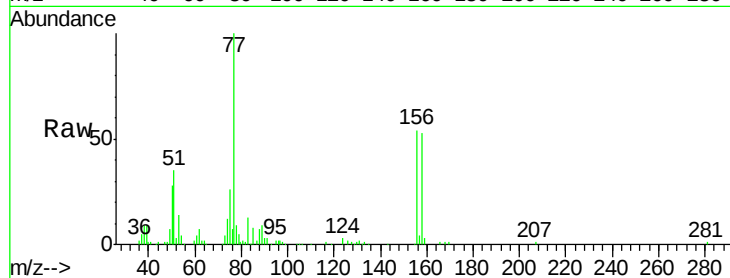
ClientSampleId :

VN0318WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	222.3	112.3	337.0
158	97.7	48.6	145.8

Manual Integrations
APPROVED

MMDadoda
3/19/2020 1:02:49 PM



#78

n-propylbenzene

Concen: 19.283 ug/l

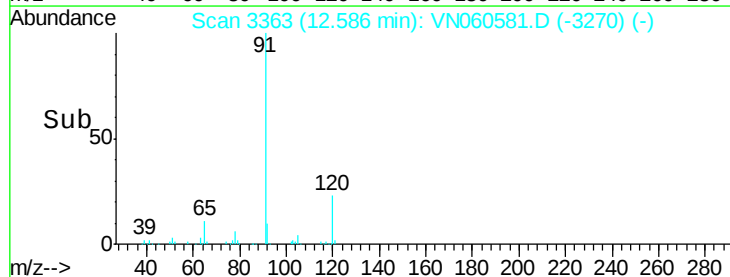
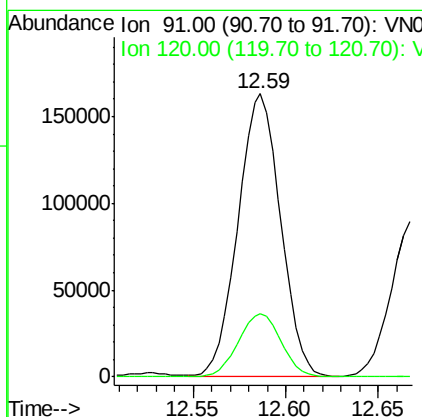
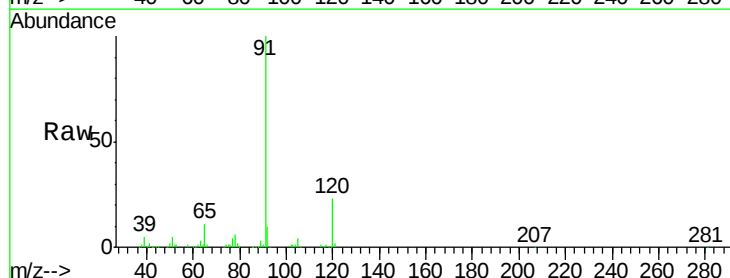
RT: 12.59 min Scan# 3363

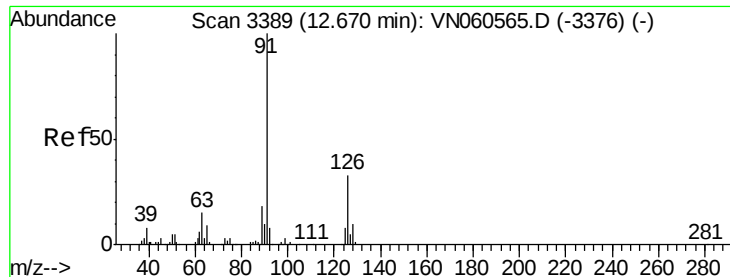
Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.3	33.8





#79

2-Chlorotoluene

Concen: 18.754 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampled :

VN0318WBS01

Tot Ion: 91 Resp: 150139

Ion Ratio Lower Upper

91 100

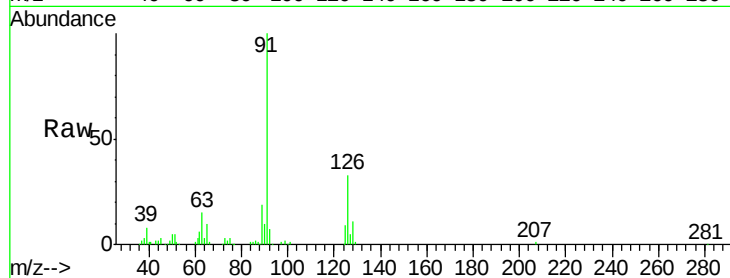
126 32.5 16.4 49.1

Manual Integrations

APPROVED

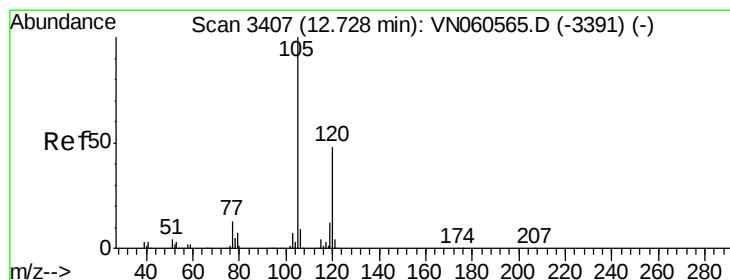
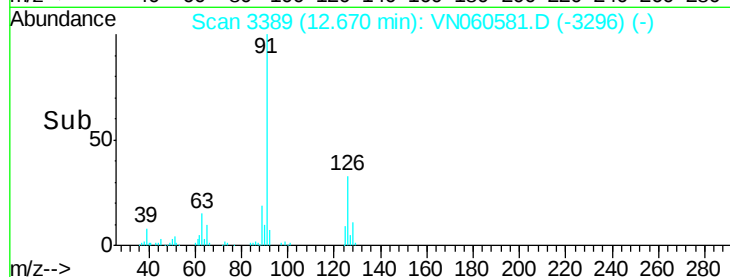
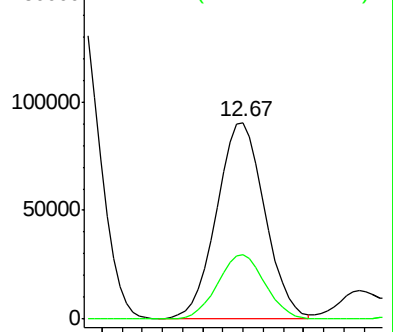
MMDadoda

3/19/2020 1:02:49 PM



Abundance Ion 91.00 (90.70 to 91.70): VN060581.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060581.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.197 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060581.D

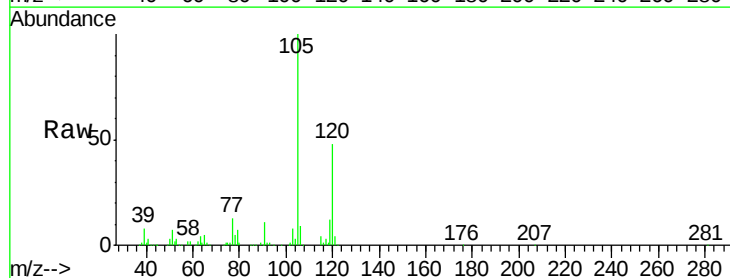
Acq: 18 Mar 2020 10:58

Tgt Ion: 105 Resp: 184758

Ion Ratio Lower Upper

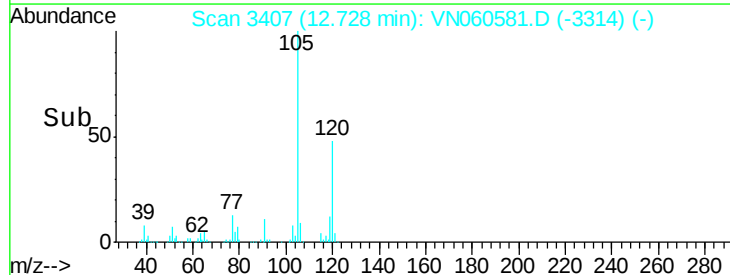
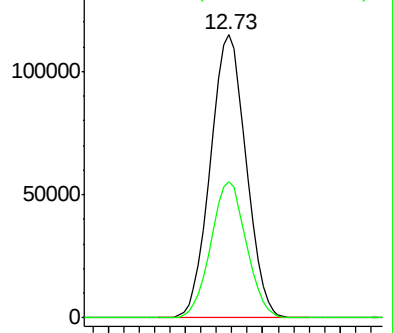
105 100

120 47.7 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060581.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN060581.D (-3391) (-)





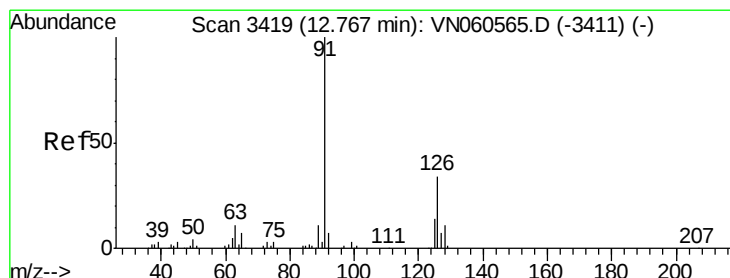
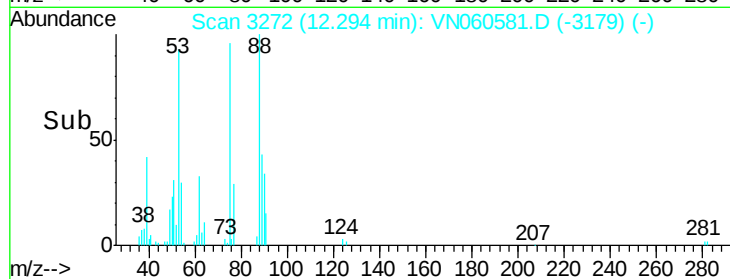
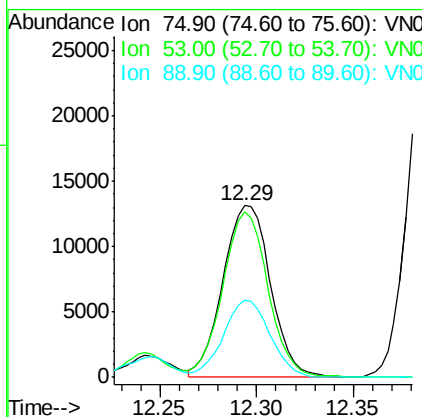
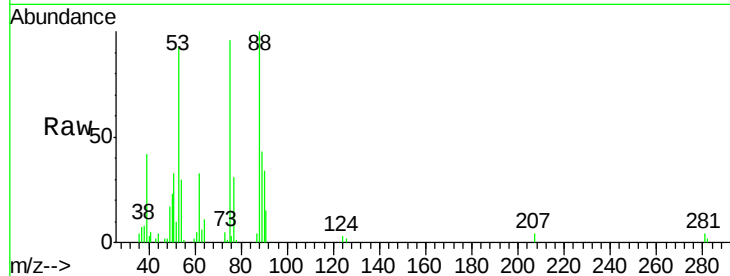
#81
trans-1,4-Dichloro-2-butene
Concen: 17.708 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.2	73.0	109.4
89	44.0	34.8	52.2

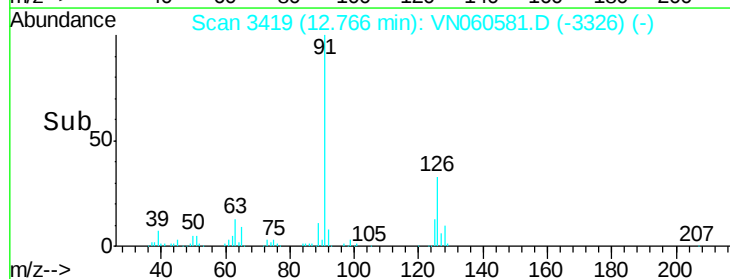
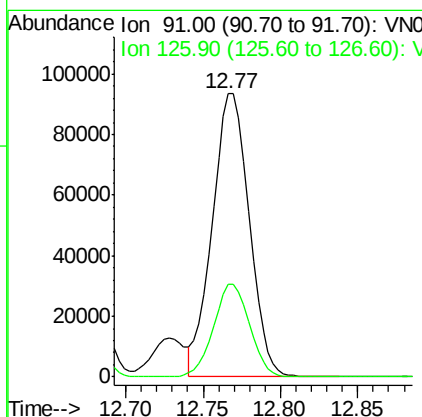
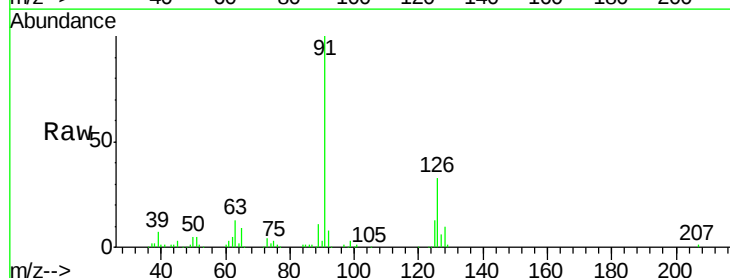
Manual Integrations
APPROVED

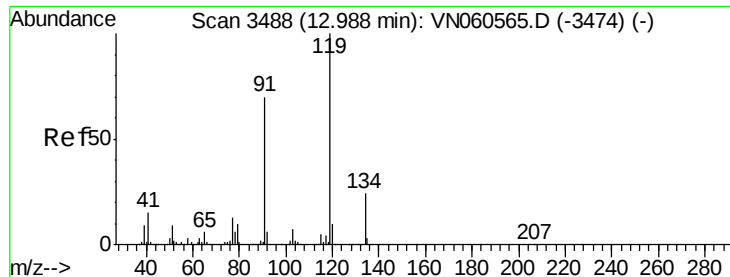
MMDadoda
3/19/2020 1:02:49 PM



#82
4-Chlorotoluene
Concen: 19.045 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.2	48.5





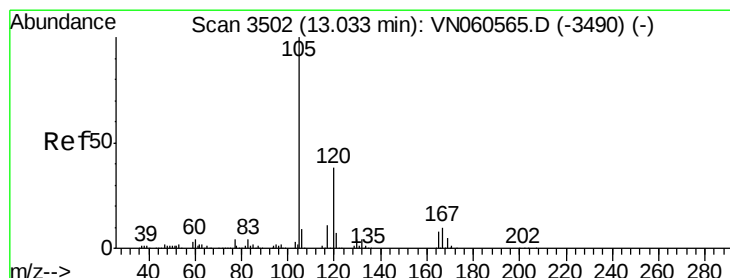
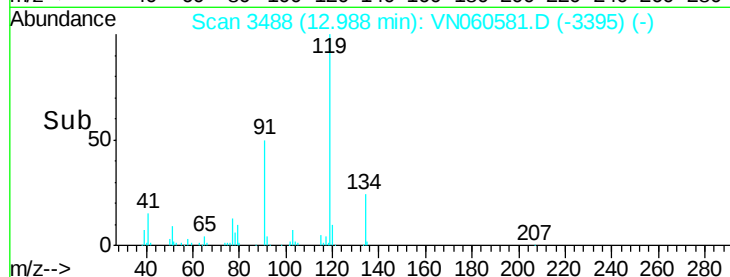
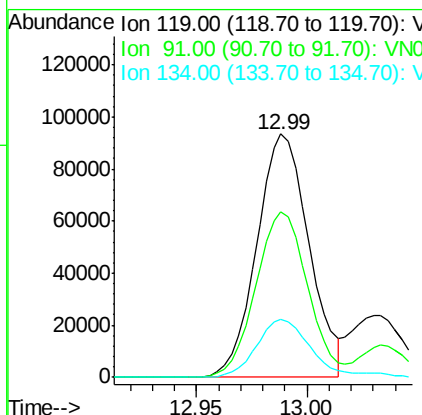
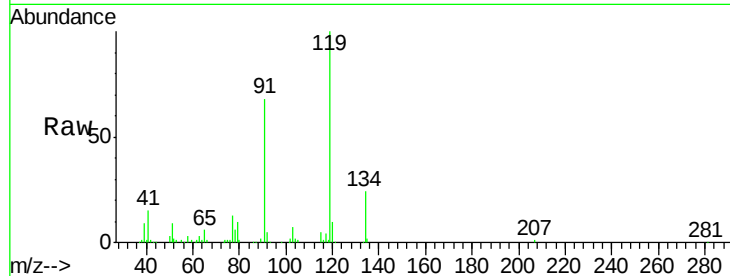
#83
 tert-Butylbenzene
 Concen: 19.198 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.5	34.0	101.8
134	25.1	12.7	38.0

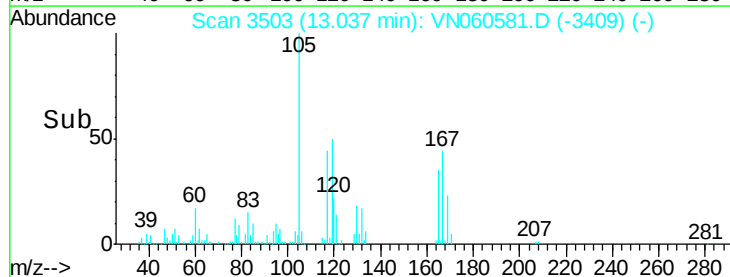
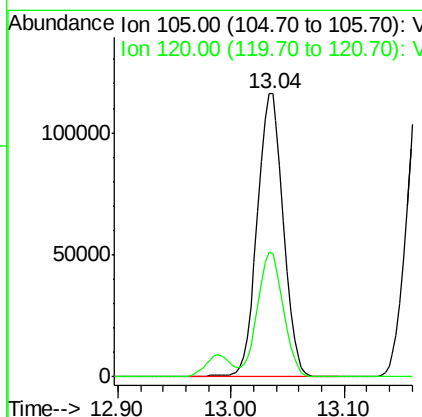
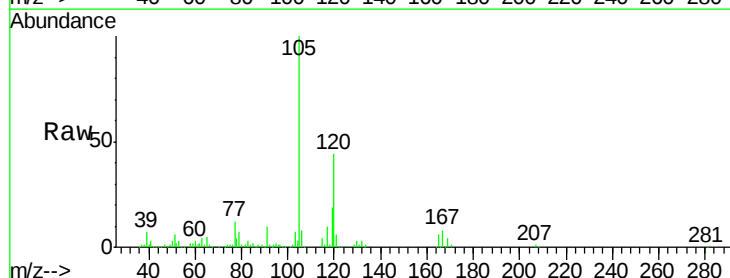
Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:02:49 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.510 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.5





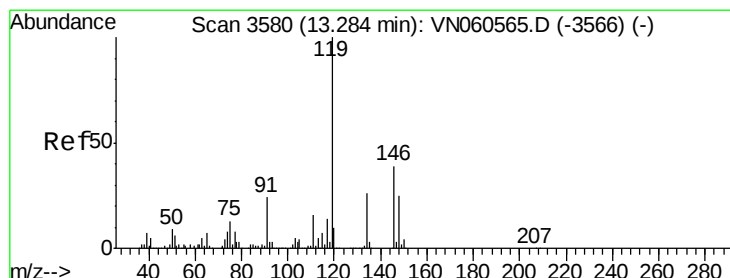
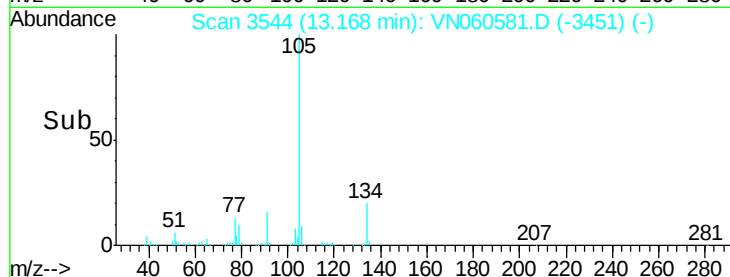
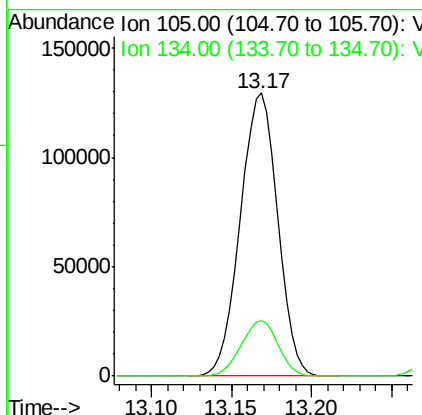
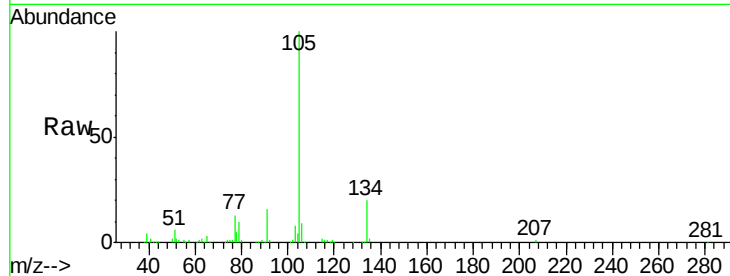
#85
 sec-Butylbenzene
 Concen: 19.210 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Instrument :
 MSVOA_N
 ClientSampled :
 VN0318WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	206090		
134	19.5	9.6	28.8	

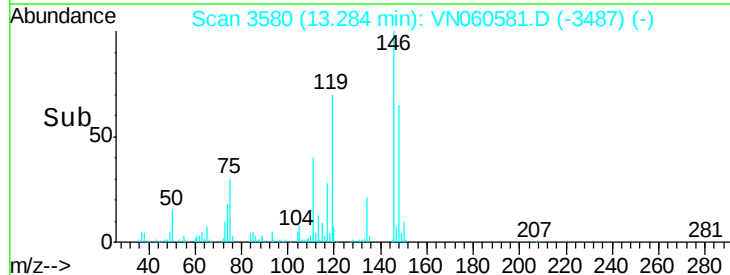
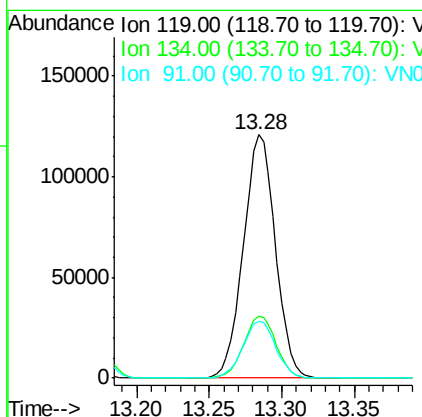
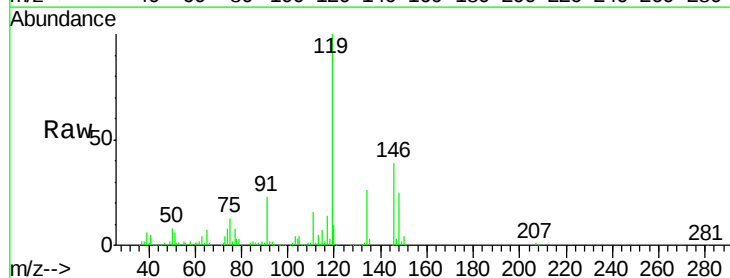
Manual Integrations
 APPROVED

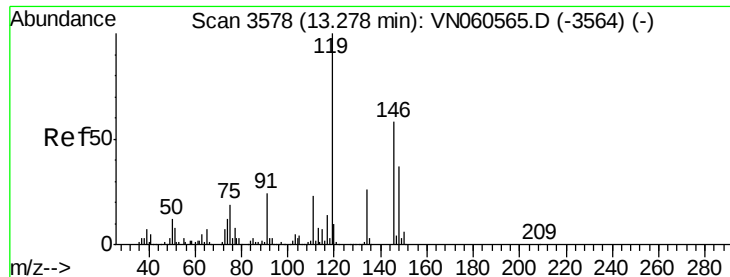
MMDadoda
 3/19/2020 1:02:49 PM



#86
 p-Isopropyltoluene
 Concen: 19.217 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	185397		
134	25.7	13.0	39.0	
91	24.0	12.0	36.0	





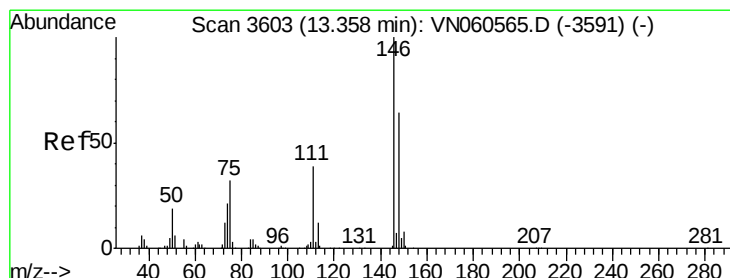
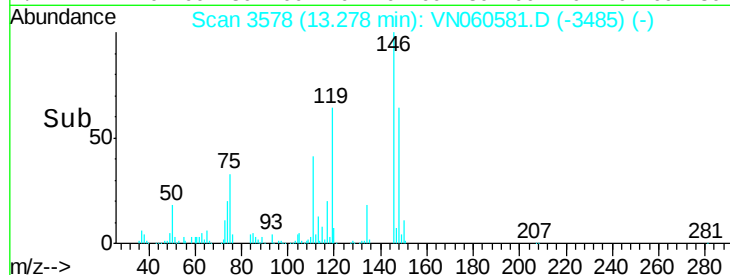
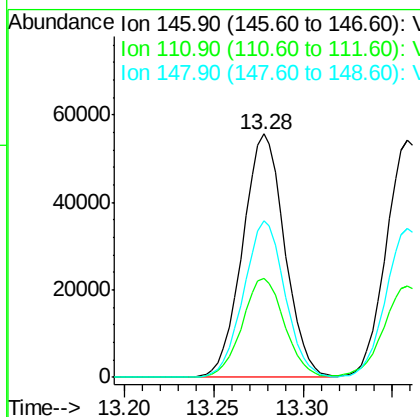
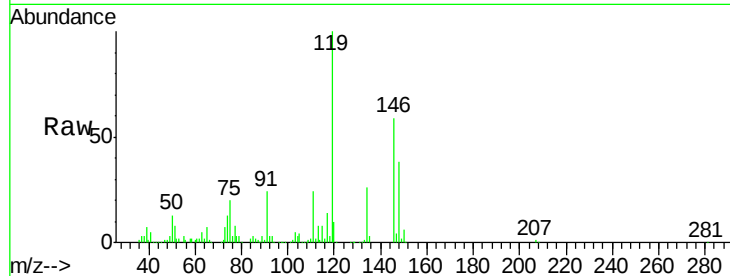
#87
 1,3-Dichlorobenzene
 Concen: 19.009 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.8
148	63.1	32.5	97.4

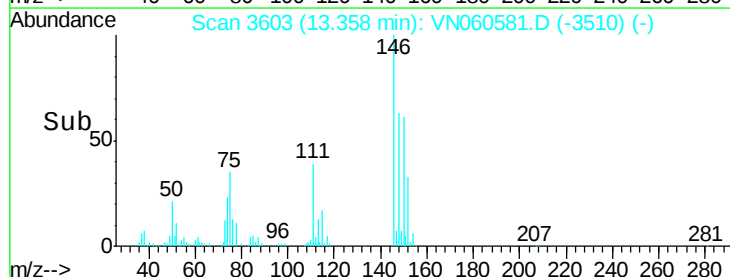
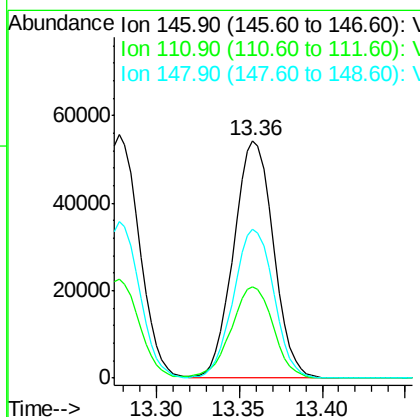
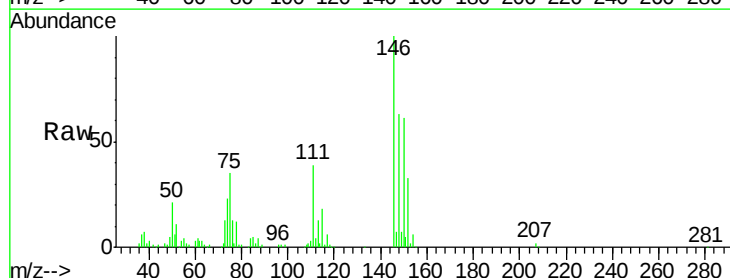
Manual Integrations
 APPROVED

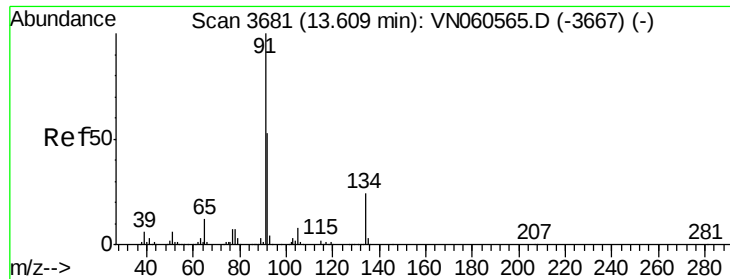
MMDadoda
 3/19/2020 1:02:49 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.746 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.6	58.7
148	63.6	32.1	96.3





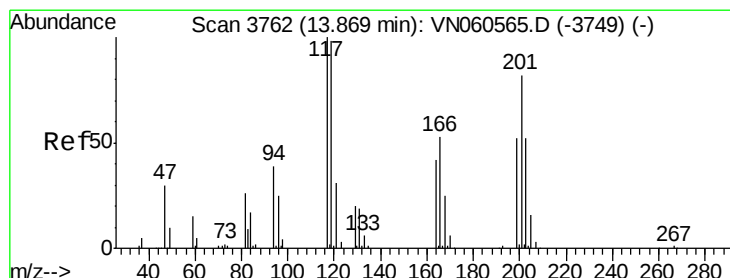
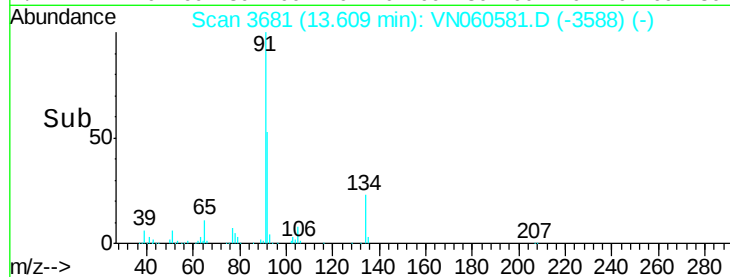
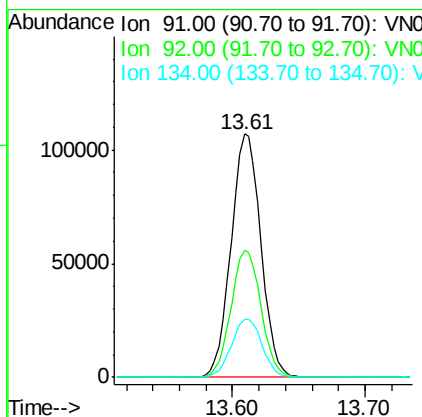
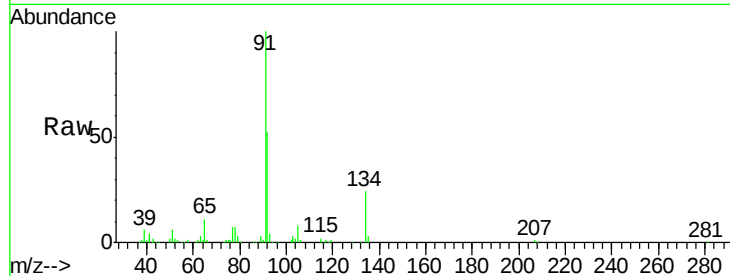
#89
n-Butylbenzene
Concen: 19.184 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.5
134	24.5	12.3	36.9

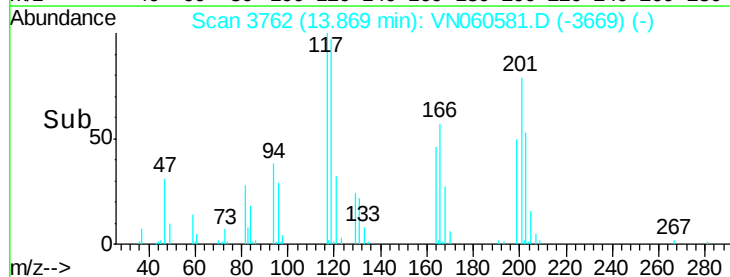
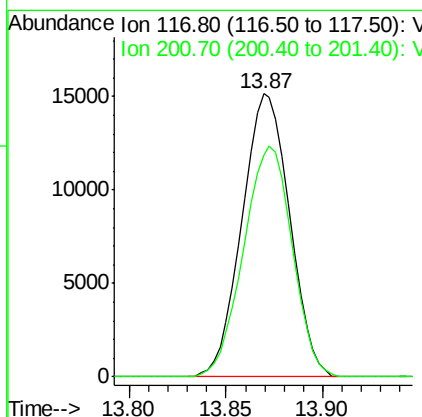
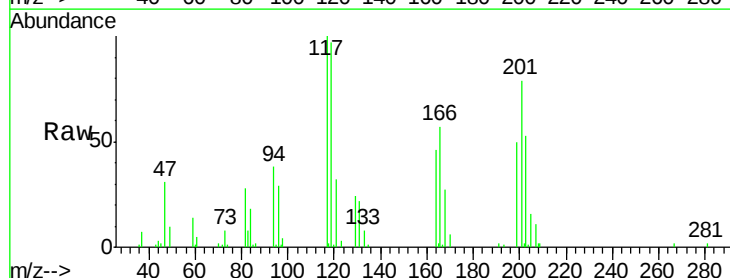
Manual Integrations
APPROVED

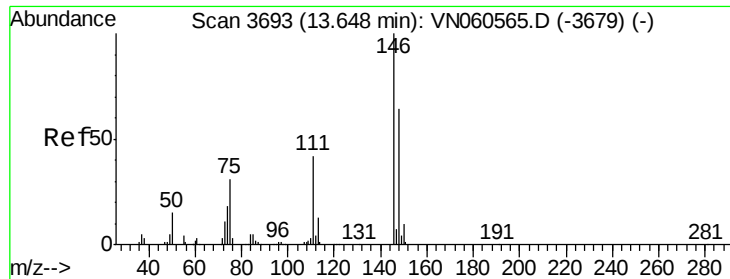
MMDadoda
3/19/2020 1:02:49 PM



#90
Hexachloroethane
Concen: 18.496 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.3	40.8	122.5





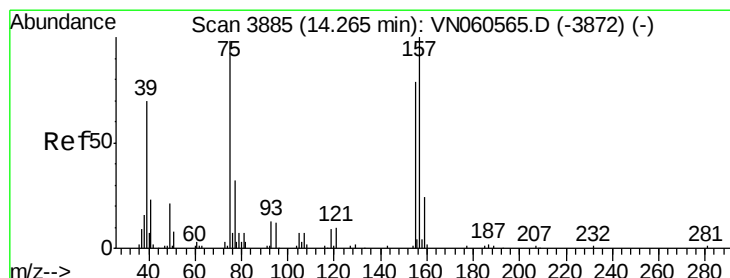
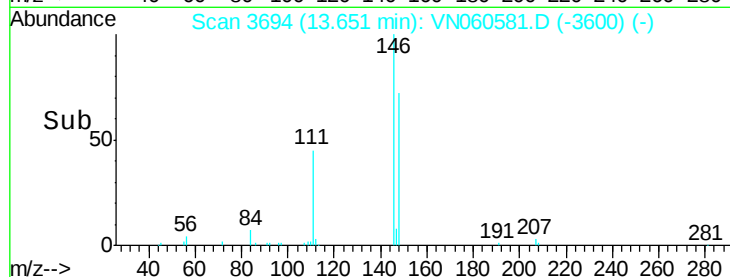
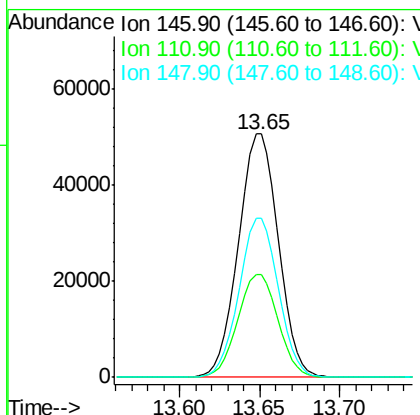
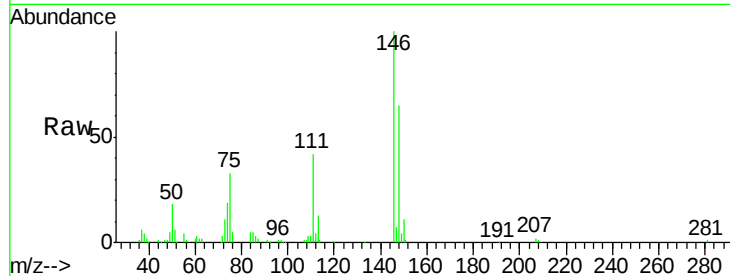
#91
 1,2-Dichlorobenzene
 Concen: 18.679 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.0	63.0
148	64.3	31.9	95.5

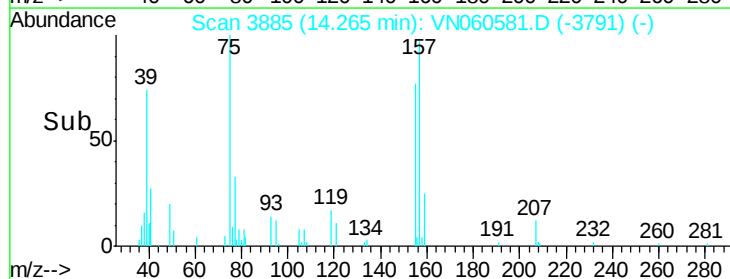
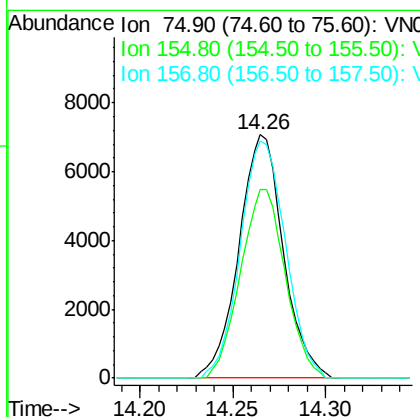
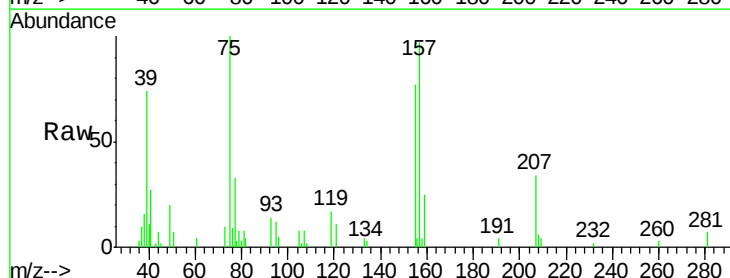
Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:02:49 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.269 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.9	40.7	122.1
157	99.2	51.5	154.7





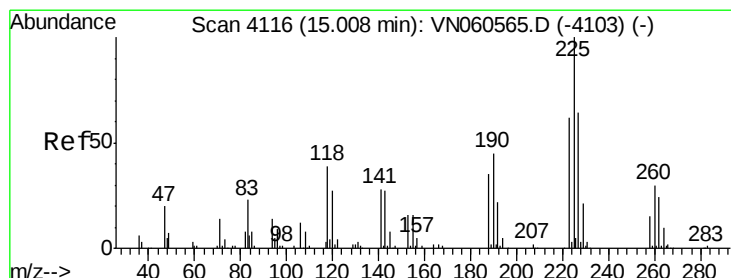
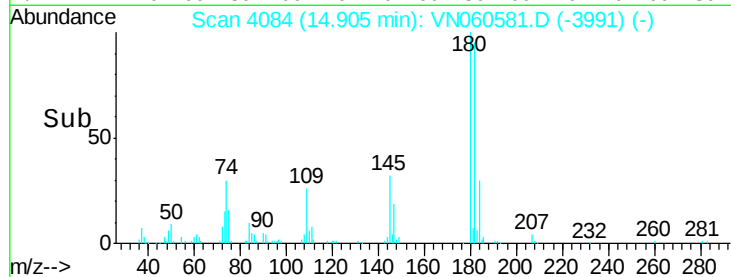
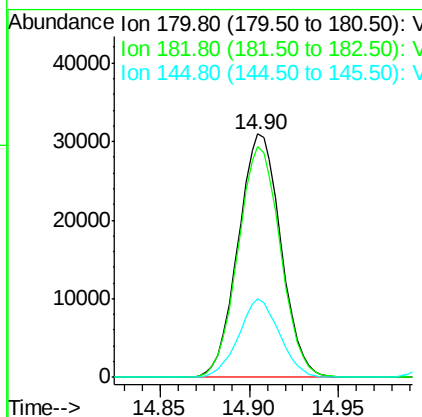
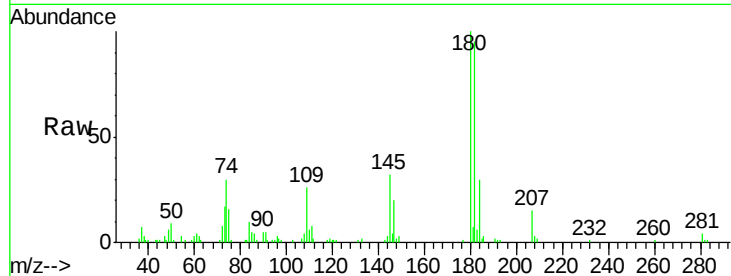
#93
 1,2,4-Trichlorobenzene
 Concen: 18.220 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.9	143.8
145	30.7	15.4	46.2

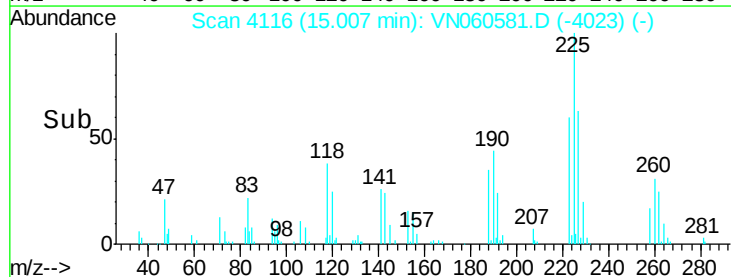
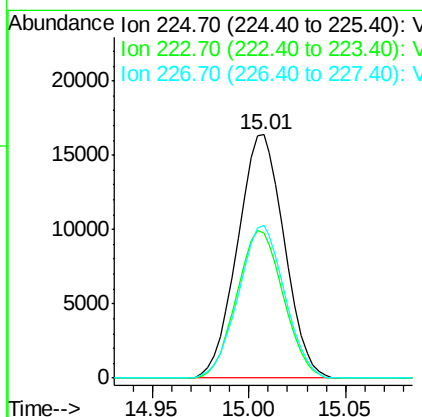
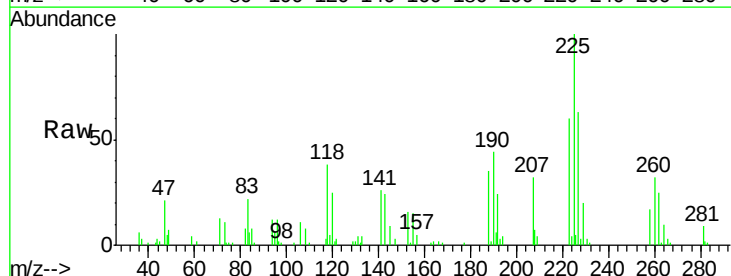
Manual Integrations
 APPROVED

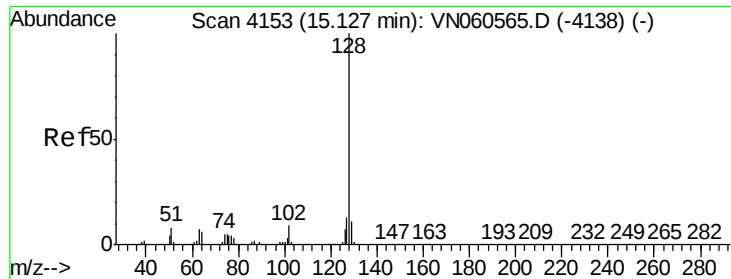
MMDadoda
 3/19/2020 1:02:49 PM



#94
 Hexachlorobutadiene
 Concen: 19.834 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.3	31.6	95.0
227	61.9	32.3	96.8





#95

Naphthalene

Concen: 16.962 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

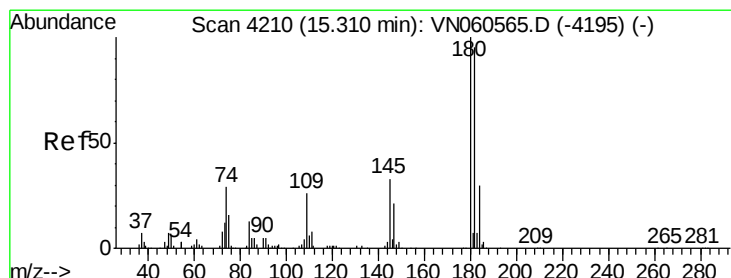
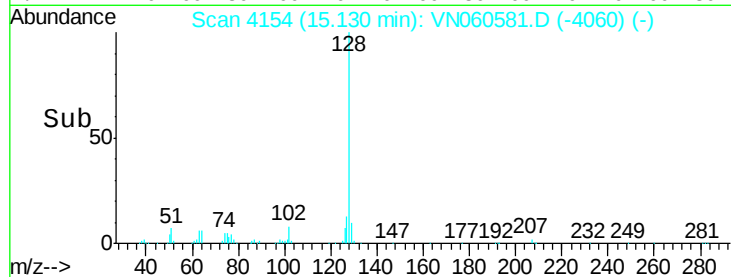
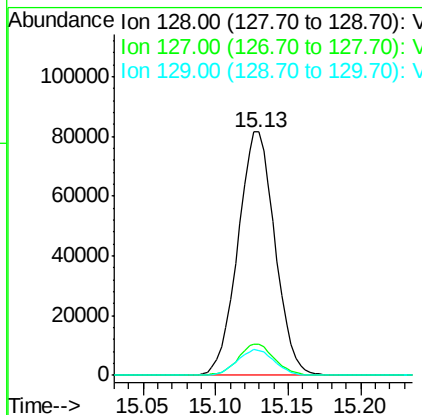
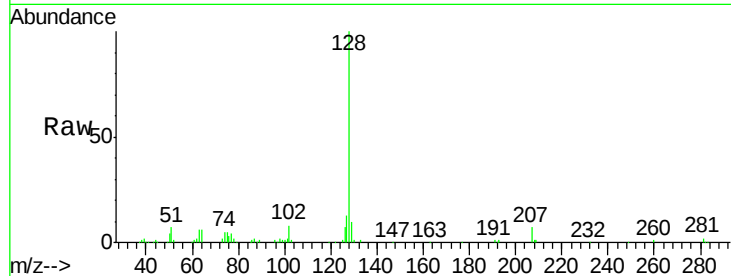
ClientSampleId :

VN0318WBS01

Tot Ion:	128	Resp:	144391
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.2
129	10.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/19/2020 1:02:49 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.996 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Tgt Ion:	180	Resp:	50167
Ion Ratio	Lower	Upper	
180	100		
182	93.7	47.5	142.6
145	32.4	16.3	48.8

