

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081920\
 Data File : VX017968.D
 Acq On : 18 Aug 2020 19:44
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 8/19/2020 8:53:55 AM

Quant Time: Aug 19 03:29:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081920W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 02:55:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	437071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	678900	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.10	117	664011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	364131	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	933220	164.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	329.84%	
35) Dibromofluoromethane	5.47	113	746945	163.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	327.24%	
50) Toluene-d8	8.70	98	2619313	159.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	318.56%	
62) 4-Bromofluorobenzene	11.12	95	993402	150.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	993313	199.780	ug/l	95
3) Chloromethane	1.31	50	963584	161.959	ug/l	98
4) Vinyl Chloride	1.39	62	950453	168.174	ug/l	99
5) Bromomethane	1.62	94	543356	166.155	ug/l	97
6) Chloroethane	1.69	64	519082	153.796	ug/l	99
7) Trichlorofluoromethane	1.90	101	1401505	157.821	ug/l	97
8) Diethyl Ether	2.17	74	397925	129.566	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	616433	131.359	ug/l	99
10) Methyl Iodide	2.48	142	899512	149.957	ug/l	99
11) Tert butyl alcohol	3.04	59	994172	850.500	ug/l	99
12) 1,1-Dichloroethene	2.35	96	587342	133.041	ug/l	97
13) Acrolein	2.28	56	498532	650.241	ug/l	100
14) Allyl chloride	2.70	41	1141401	143.538	ug/l	99
15) Acrylonitrile	3.12	53	2258837	888.712	ug/l	99
16) Acetone	2.43	43	1992012	803.445	ug/l	100
17) Carbon Disulfide	2.54	76	1552614	117.807	ug/l	99
18) Methyl Acetate	2.75	43	1050850	180.450	ug/l	96
19) Methyl tert-butyl Ether	3.17	73	2509542	162.273	ug/l	99
20) Methylene Chloride	2.83	84	713374	134.401	ug/l	94
21) trans-1,2-Dichloroethene	3.14	96	646998	137.730	ug/l	96
22) Diisopropyl ether	3.83	45	2206831	146.090	ug/l	99
23) Vinyl Acetate	3.79	43	8543415	657.004	ug/l	99
24) 1,1-Dichloroethane	3.67	63	1259889	145.676	ug/l	98
25) 2-Butanone	4.65	43	2841086	800.512	ug/l	96
26) 2,2-Dichloropropane	4.55	77	1058931	136.093	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	702512	134.726	ug/l	100
28) Bromochloromethane	4.98	49	621488	156.123	ug/l	99
29) Tetrahydrofuran	5.10	42	1838169	832.448	ug/l	99
30) Chloroform	5.18	83	1347184	151.179	ug/l	98
31) Cyclohexane	5.54	56	1038465	147.601	ug/l	95
32) 1,1,1-Trichloroethane	5.46	97	1215646	145.114	ug/l	99
36) 1,1-Dichloropropene	5.77	75	825857	127.701	ug/l	99
37) Ethyl Acetate	4.81	43	1000742	143.811	ug/l	99
38) Carbon Tetrachloride	5.76	117	1062003	133.832	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX081920\
 Data File : VX017968.D
 Acq On : 18 Aug 2020 19:44
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 8/19/2020 8:53:55 AM

Quant Time: Aug 19 03:29:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081920W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 02:55:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	1064994	139.549	ug/l	96
40) Benzene	6.12	78	2410193	130.352	ug/l	100
41) Methacrylonitrile	5.01	41	594372	146.169	ug/l	99
42) 1,2-Dichloroethane	6.17	62	1058394	139.527	ug/l	99
43) Isopropyl Acetate	6.42	43	1731993	152.113	ug/l	99
44) Trichloroethene	7.19	130	771268	141.756	ug/l	94
45) 1,2-Dichloropropane	7.49	63	699682	134.621	ug/l	97
46) Dibromomethane	7.64	93	489253	133.483	ug/l	100
47) Bromodichloromethane	7.88	83	1110957	147.775	ug/l	99
48) Methyl methacrylate	7.75	41	860407	146.918	ug/l	98
49) 1,4-Dioxane	7.72	88	341327	3029.707	ug/l	97
51) 4-Methyl-2-Pentanone	8.63	43	5656766	803.270	ug/l	99
52) Toluene	8.77	92	1709900	143.300	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	1248132	153.373	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	1346017	161.383	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	785132	156.740	ug/l	98
56) Ethyl methacrylate	9.16	69	1189465	159.718	ug/l	99
57) 1,3-Dichloropropane	9.35	76	1233938	150.374	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	2938402	762.442	ug/l	99
59) 2-Hexanone	9.48	43	4219891	800.649	ug/l	99
60) Dibromochloromethane	9.57	129	988192	156.116	ug/l	97
61) 1,2-Dibromoethane	9.66	107	866117	161.023	ug/l	99
64) Tetrachloroethene	9.32	164	723096	124.186	ug/l	95
65) Chlorobenzene	10.12	112	1974933	139.103	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	861664	149.636	ug/l	98
67) Ethyl Benzene	10.24	91	3425906	145.286	ug/l	100
68) m/p-Xylenes	10.34	106	2844847	313.777	ug/l	97
69) o-Xylene	10.68	106	1309449	149.489	ug/l	99
70) Styrene	10.70	104	2258196	151.192	ug/l	98
71) Bromoform	10.84	173	816911	164.271	ug/l #	100
73) Isopropylbenzene	11.01	105	3576315	143.924	ug/l	99
74) N-amyl acetate	10.88	43	1713567	157.385	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	1254491	158.790	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	1146217m	152.751	ug/l	
77) Bromobenzene	11.24	156	935372	134.568	ug/l	99
78) n-propylbenzene	11.35	91	4130639	146.731	ug/l	100
79) 2-Chlorotoluene	11.41	91	2438331	140.040	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	3238014	153.090	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	450764	151.207	ug/l	99
82) 4-Chlorotoluene	11.49	91	3022986	148.243	ug/l	100
83) tert-Butylbenzene	11.76	119	2932026	145.466	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	3372375	157.765	ug/l	98
85) sec-Butylbenzene	11.93	105	3762735	159.008	ug/l	99
86) p-Isopropyltoluene	12.05	119	3448308	153.459	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	1812174	152.675	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	1698731	137.787	ug/l	99
89) n-Butylbenzene	12.37	91	2892883	145.420	ug/l	98
90) Hexachloroethane	12.58	117	628138	141.108	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	1637154	139.691	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	307454	142.814	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081920\
Data File : VX017968.D
Acq On : 18 Aug 2020 19:44
Operator : JC/SP
Sample : VSTDICC150
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

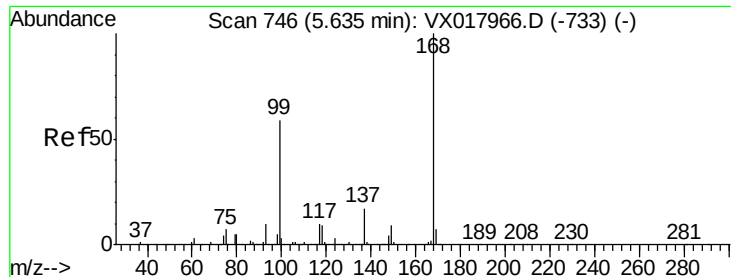
Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:55 AM

Quant Time: Aug 19 03:29:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081920W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 19 02:55:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	1190516	151.958	ug/l	96
94) Hexachlorobutadiene	13.76	225	468233	130.090	ug/l	95
95) Naphthalene	13.82	128	3774315	160.203	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	1166056	148.975	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 437071

Ion Ratio Lower Upper

168 100

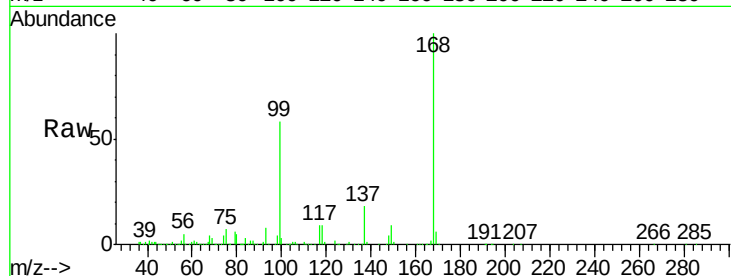
99 58.2 47.4 71.2

Manual Integrations

APPROVED

MMDadoda

8/19/2020 8:53:55 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

300000

250000

200000

150000

100000

50000

0

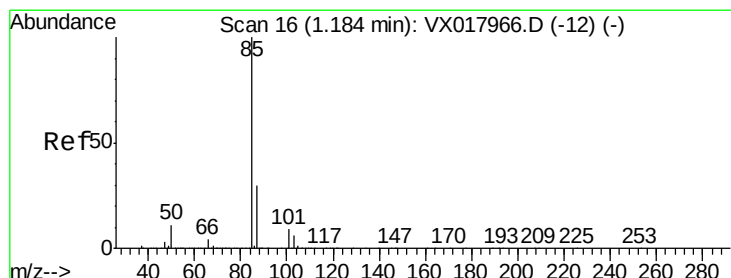
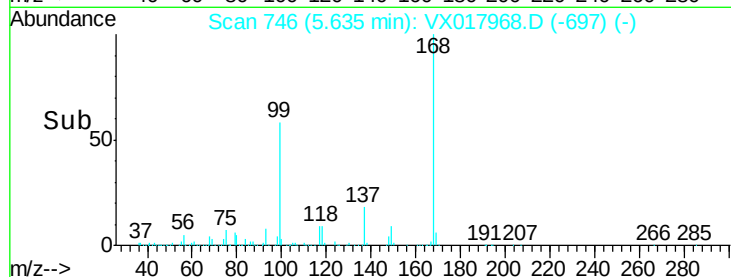
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 199.780 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017968.D

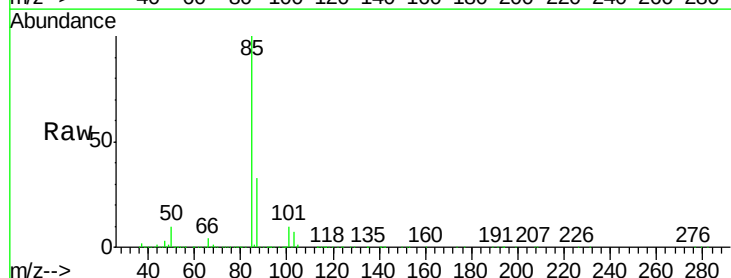
Acq: 18 Aug 2020 19:44

Tgt Ion: 85 Resp: 993313

Ion Ratio Lower Upper

85 100

87 33.4 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1000000

800000

600000

400000

200000

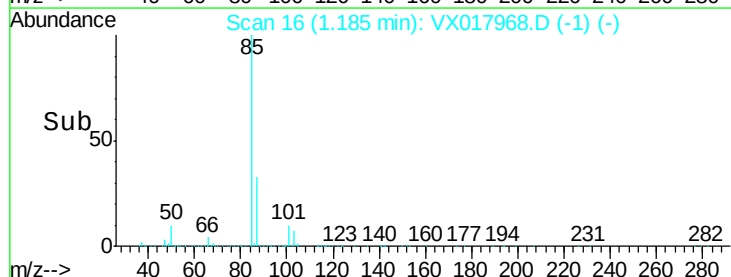
0

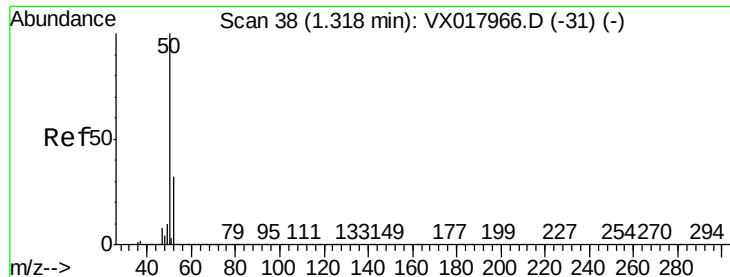
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 161.959 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 963584

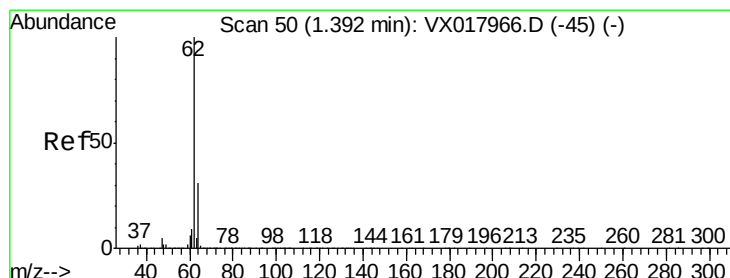
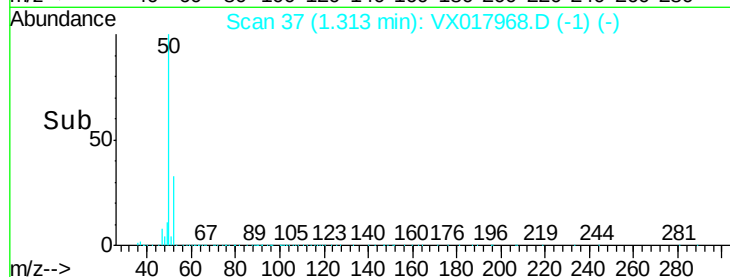
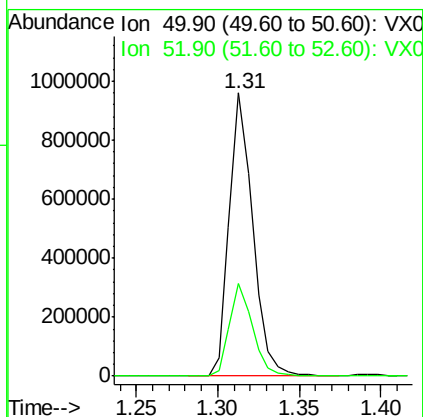
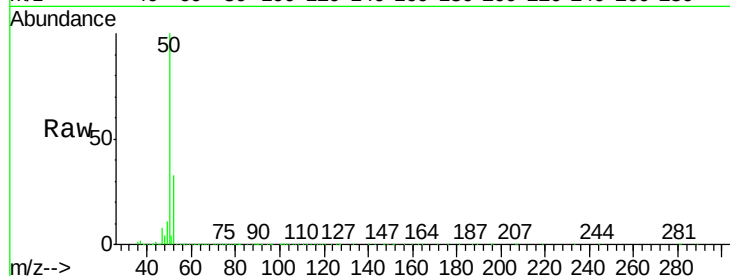
Ion Ratio Lower Upper

50 100

52 32.8 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:55 AM



#4

Vinyl Chloride

Concen: 168.174 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017968.D

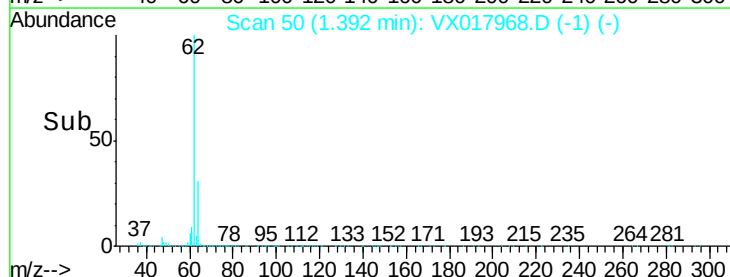
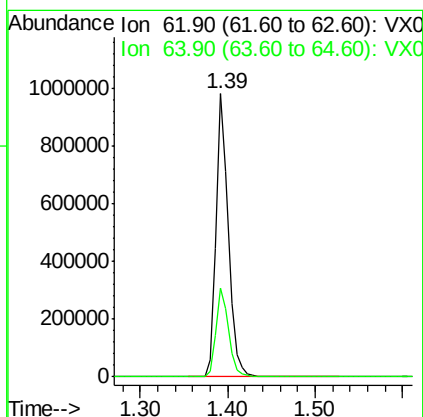
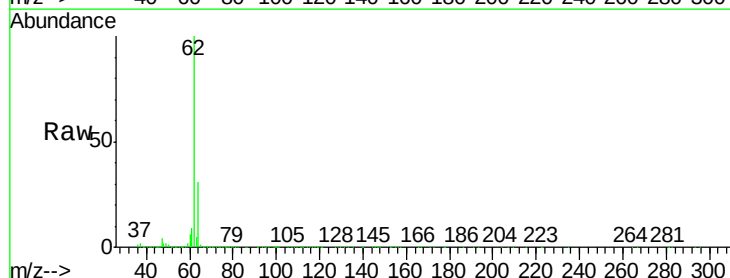
Acq: 18 Aug 2020 19:44

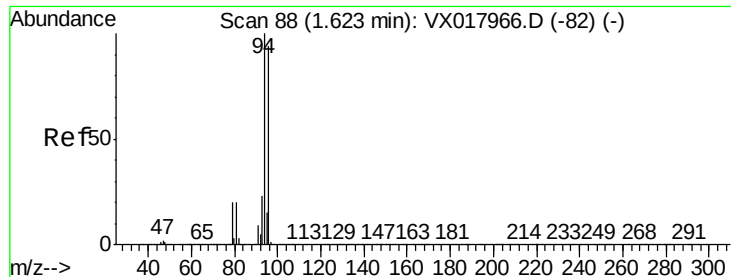
Tgt Ion: 62 Resp: 950453

Ion Ratio Lower Upper

62 100

64 31.5 24.7 37.1





#5

Bromomethane

Concen: 166.155 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.01 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 543356

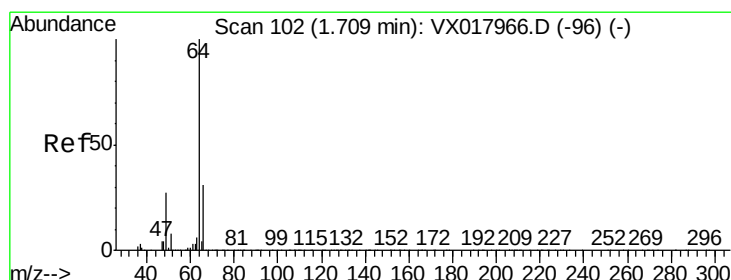
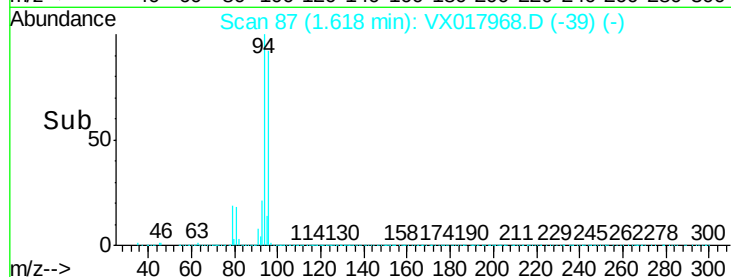
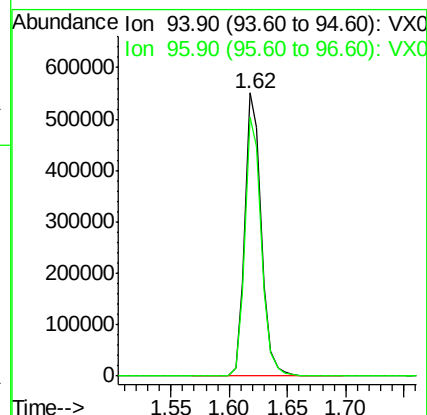
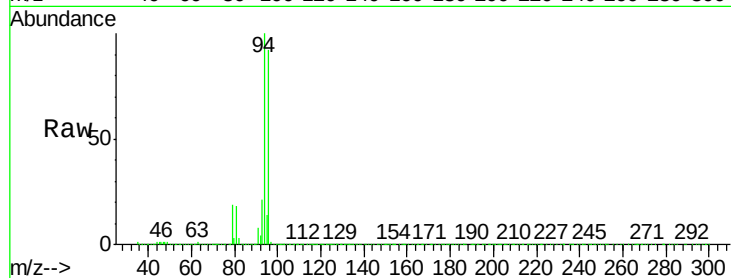
Ion Ratio Lower Upper

94 100

96 91.7 75.5 113.3

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:55 AM



#6

Chloroethane

Concen: 153.796 ug/l

RT: 1.69 min Scan# 99

Delta R.T. -0.02 min

Lab File: VX017968.D

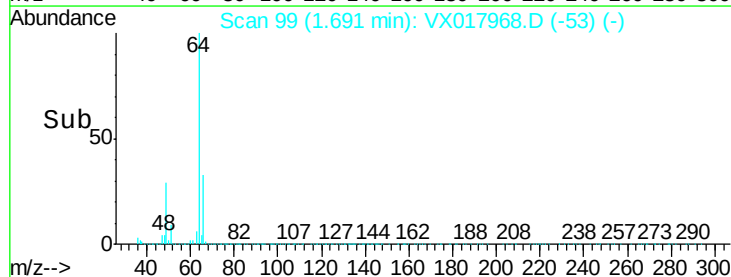
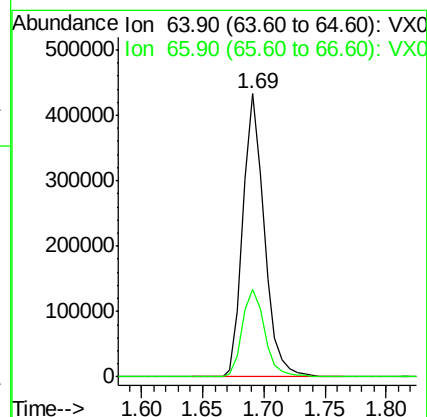
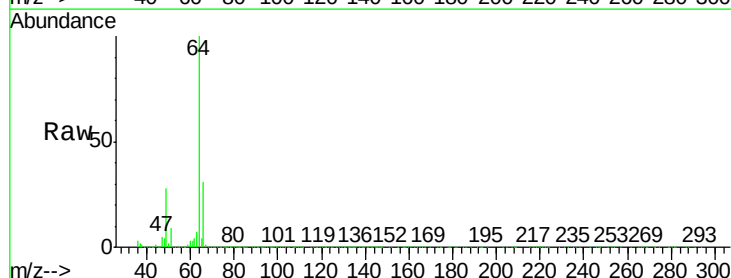
Acq: 18 Aug 2020 19:44

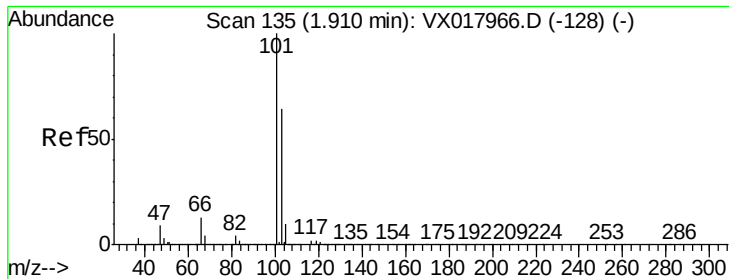
Tgt Ion: 64 Resp: 519082

Ion Ratio Lower Upper

64 100

66 30.7 25.0 37.4





#7

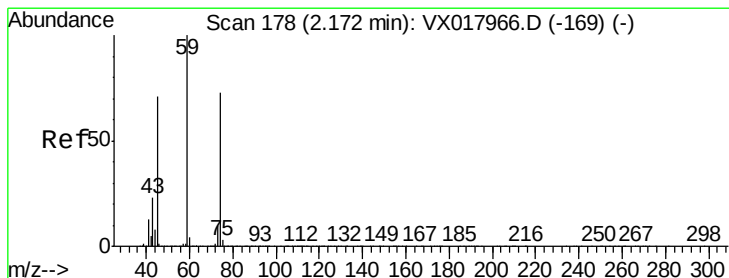
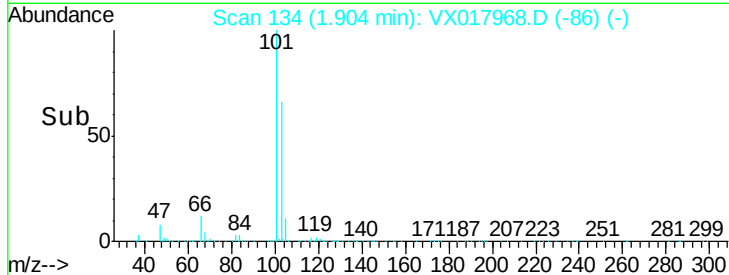
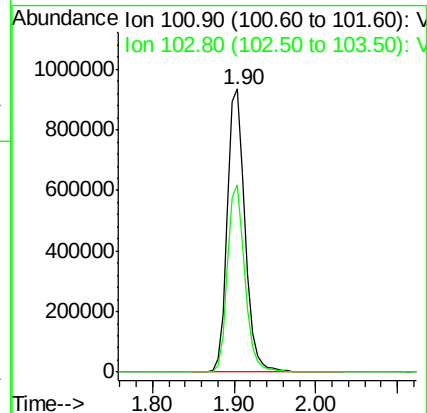
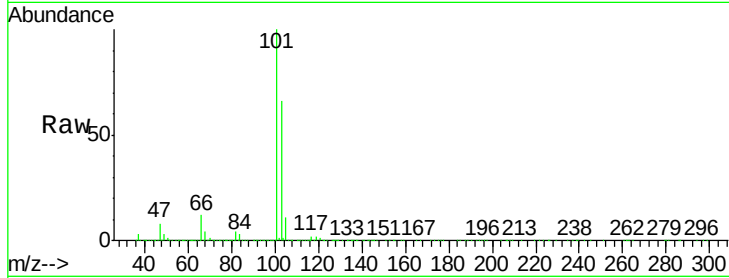
Trichlorofluoromethane
Concen: 157.821 ug/l
RT: 1.90 min Scan# 134
Delta R.T. -0.01 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 1401505
Ion Ratio Lower Upper
101 100
103 66.4 51.2 76.8

Manual Integrations
APPROVED

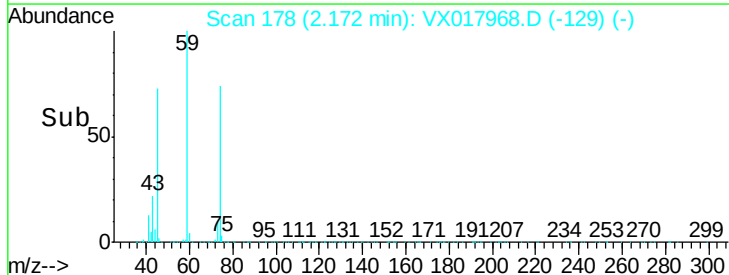
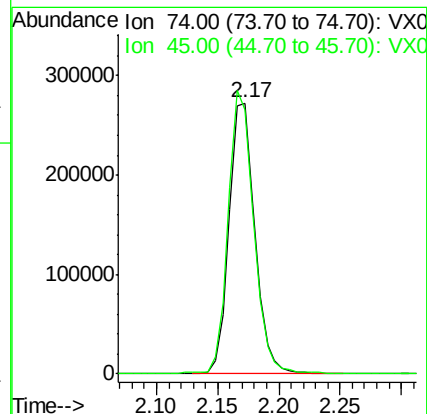
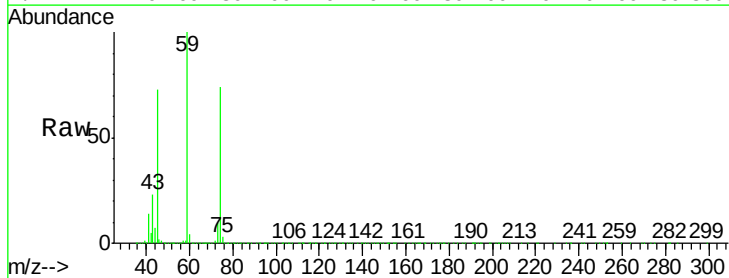
MMDadoda
8/19/2020 8:53:55 AM

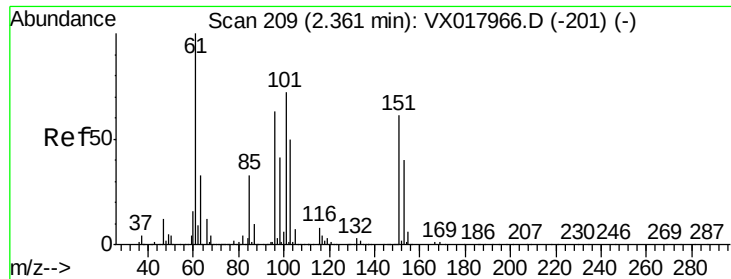


#8

Diethyl Ether
Concen: 129.566 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.00 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Tgt Ion: 74 Resp: 397925
Ion Ratio Lower Upper
74 100
45 103.3 50.5 151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 131.359 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.01 min

Lab File: VX017968.D

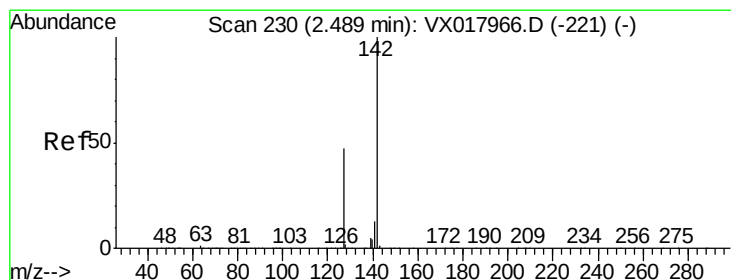
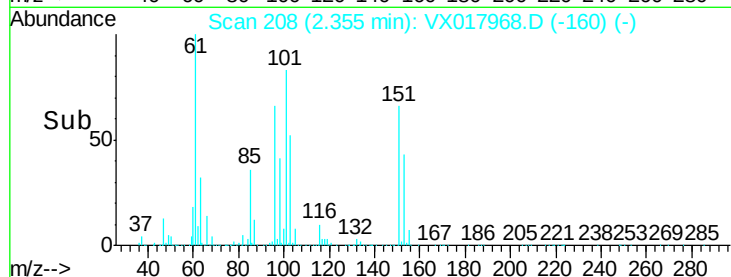
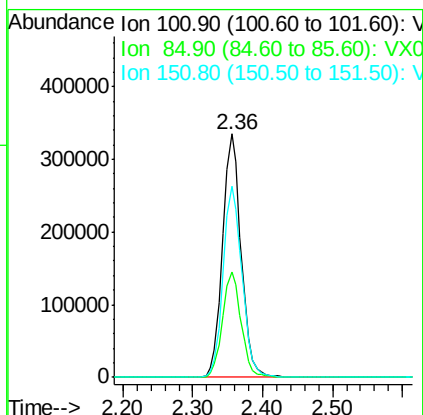
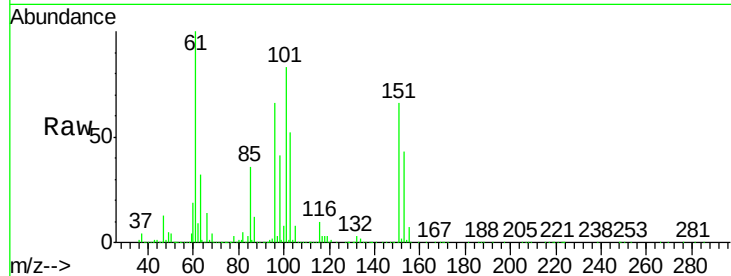
Acq: 18 Aug 2020 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	616433		
85	43.9	35.4	53.2	
151	80.1	65.4	98.0	

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:55 AM



#10

Methyl Iodide

Concen: 149.957 ug/l

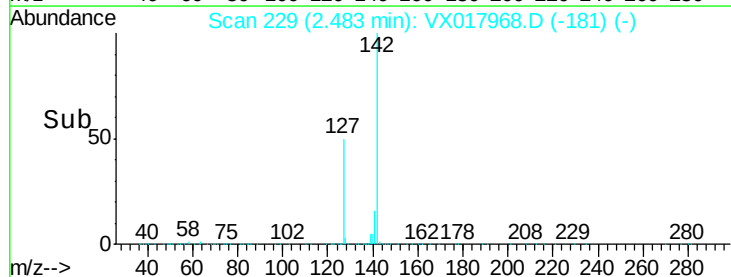
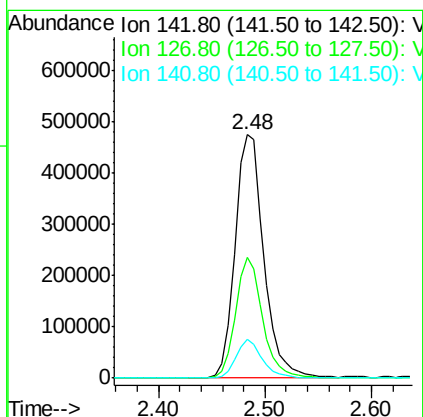
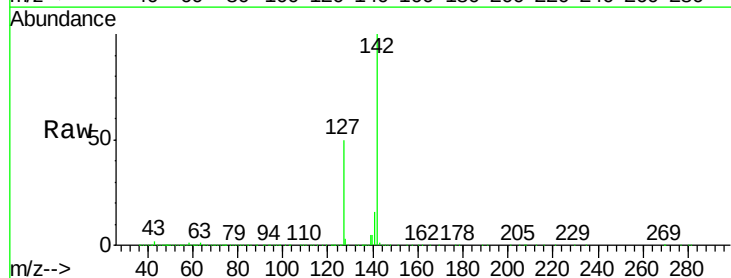
RT: 2.48 min Scan# 229

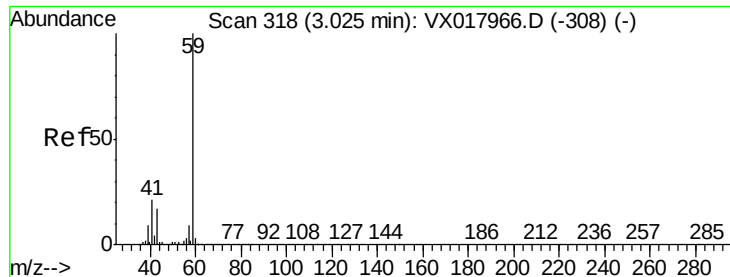
Delta R.T. -0.01 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	899512		
127	46.8	38.0	57.0	
141	14.7	11.2	16.8	





#11

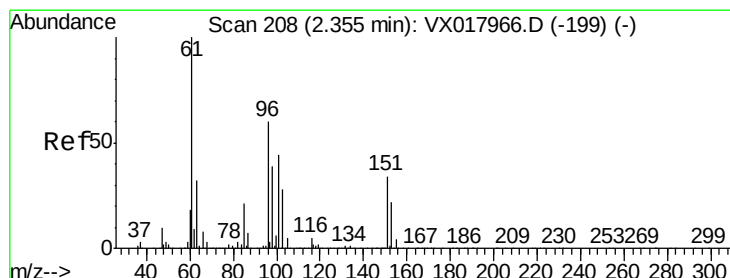
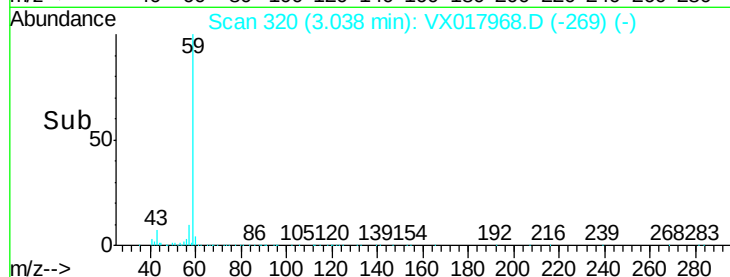
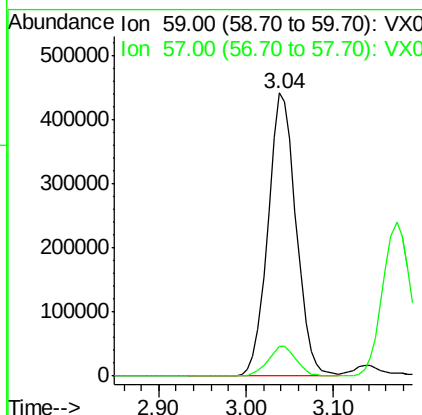
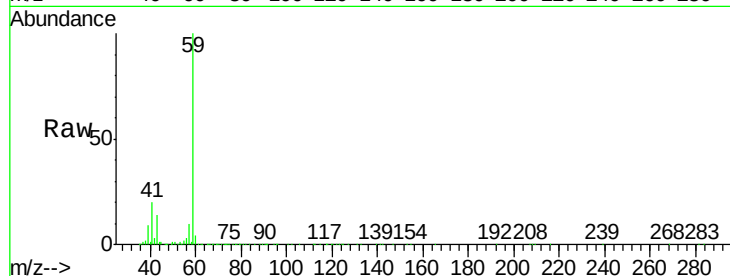
Tert butyl alcohol
Concen: 850.500 ug/l
RT: 3.04 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.6	13.0

Manual Integrations
APPROVED

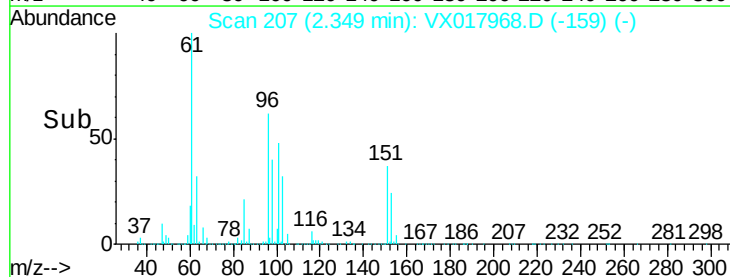
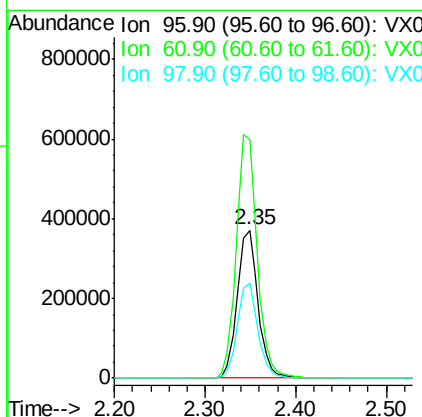
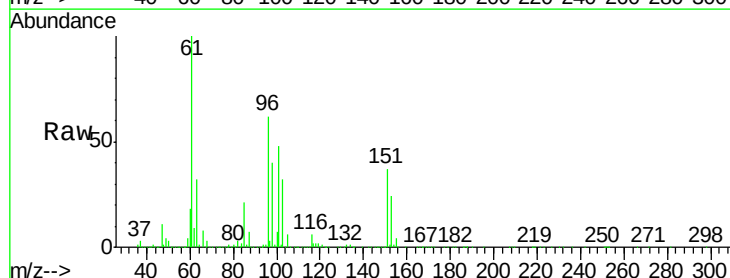
MMDadoda
8/19/2020 8:53:55 AM

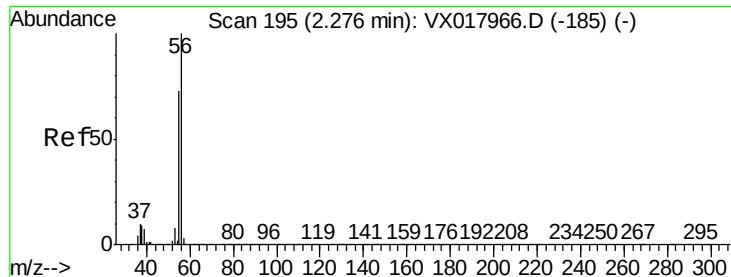


#12

1,1-Dichloroethene
Concen: 133.041 ug/l
RT: 2.35 min Scan# 207
Delta R.T. -0.01 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.8	132.9	199.3
98	64.1	51.6	77.4





#13

Acrolein

Concen: 650.241 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

Tot Ion: 56 Resp: 498532

Ion Ratio Lower Upper

56 100

55 72.6 58.2 87.4

Instrument :

MSVOA_X

ClientSampleId :

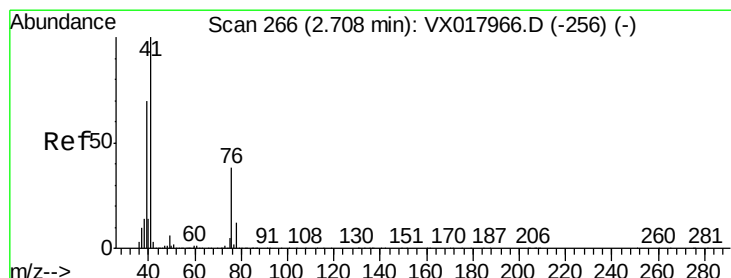
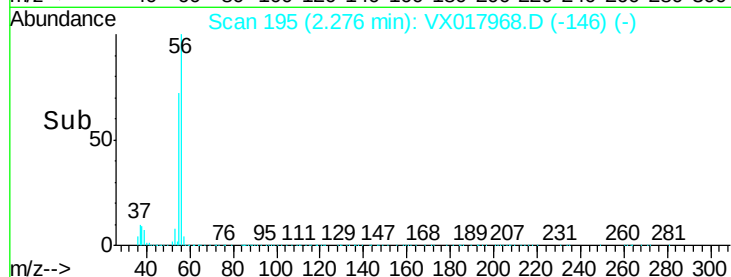
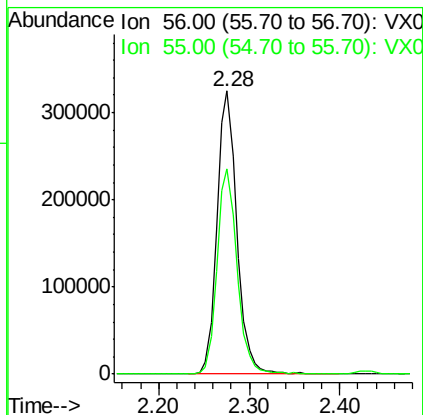
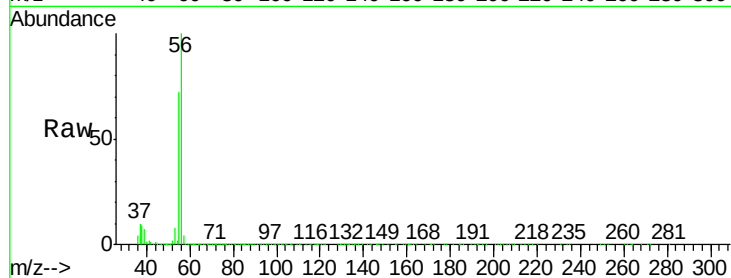
VSTDIC150

Manual Integrations

APPROVED

MMDadoda

8/19/2020 8:53:55 AM



#14

Allyl chloride

Concen: 143.538 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

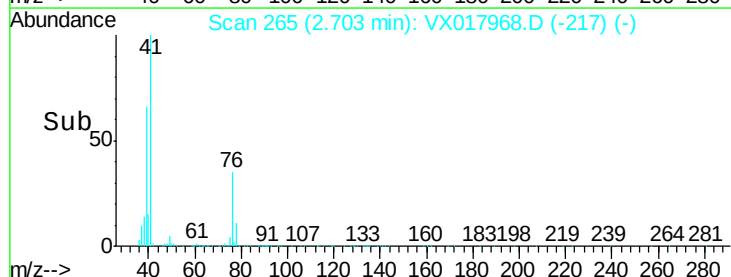
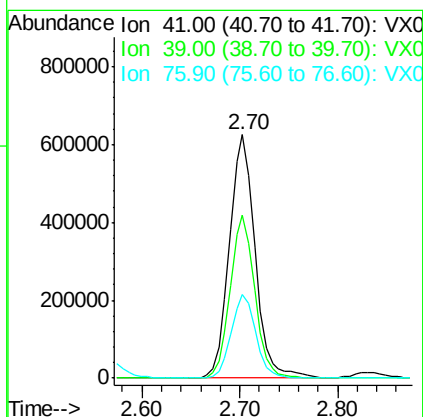
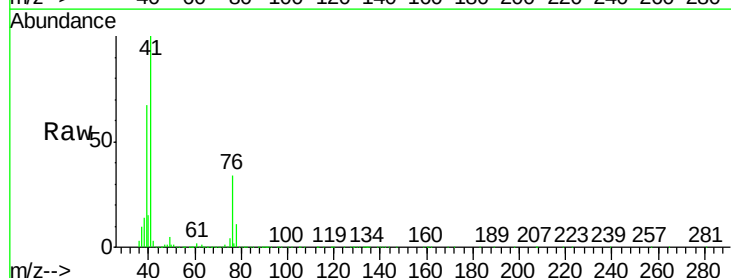
Tgt Ion: 41 Resp: 1141401

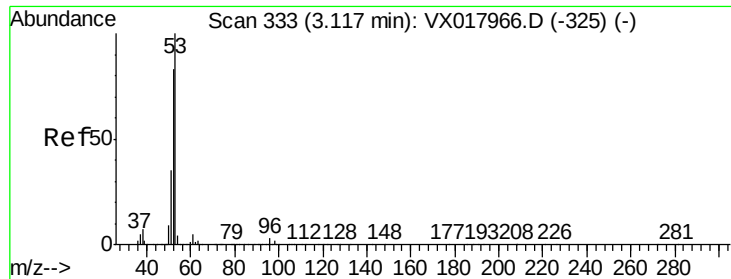
Ion Ratio Lower Upper

41 100

39 63.9 51.7 77.5

76 32.6 26.3 39.5





#15

Acrylonitrile

Concen: 888.712 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 2258837

Ion Ratio Lower Upper

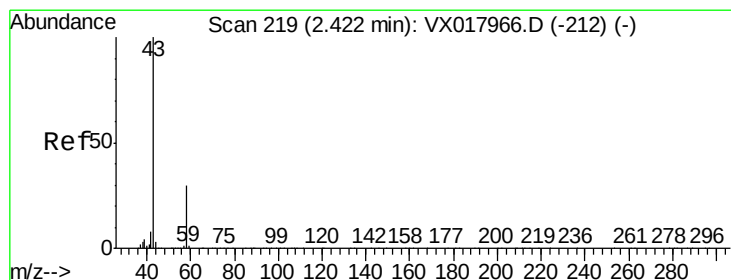
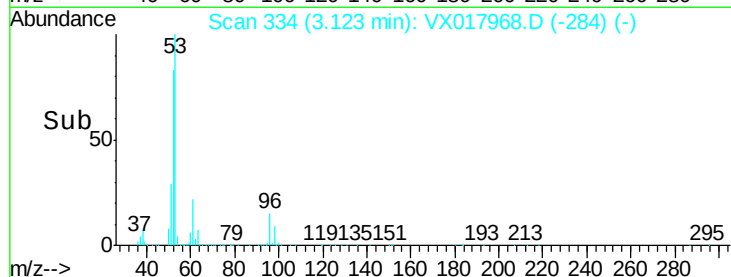
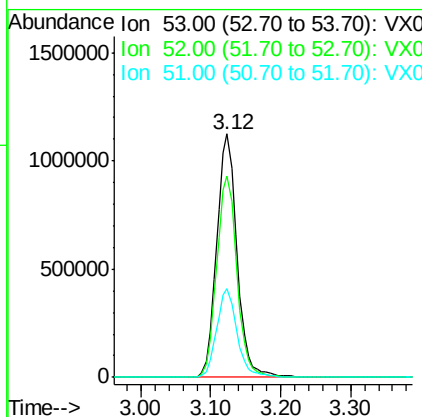
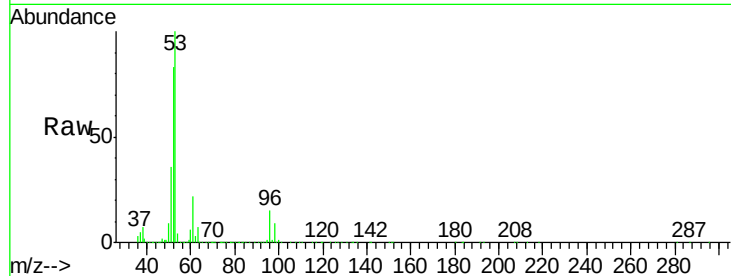
53 100

52 83.2 67.1 100.7

51 36.6 29.2 43.8

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:55 AM



#16

Acetone

Concen: 803.445 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX017968.D

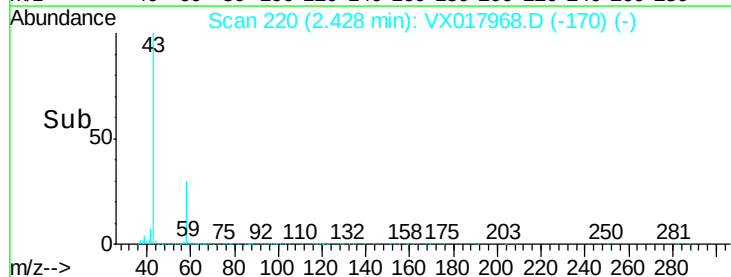
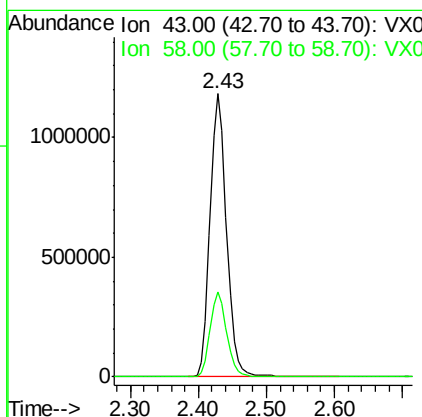
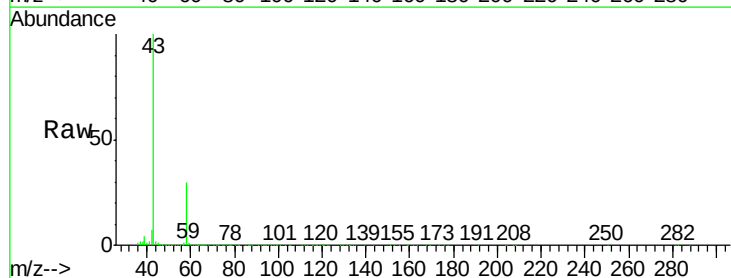
Acq: 18 Aug 2020 19:44

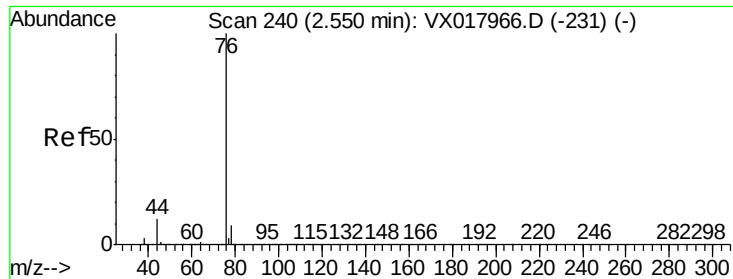
Tgt Ion: 43 Resp: 1992012

Ion Ratio Lower Upper

43 100

58 30.1 23.8 35.8





#17

Carbon Disulfide

Concen: 117.807 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1552614

Ion Ratio Lower Upper

76 100

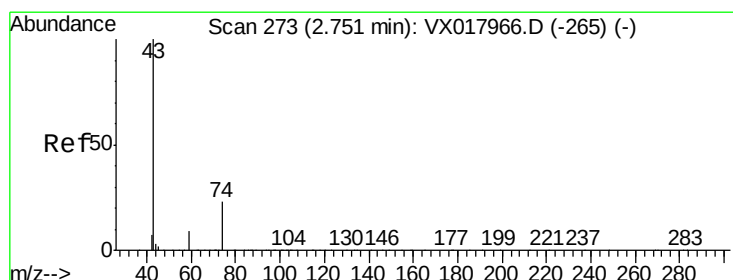
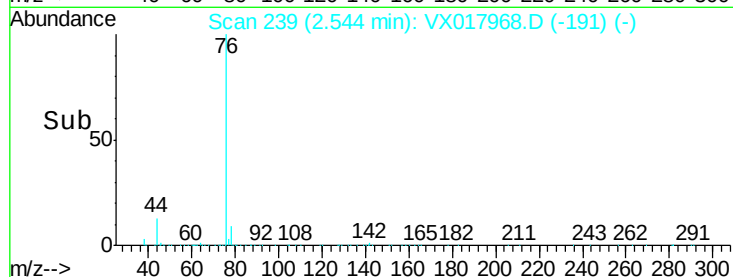
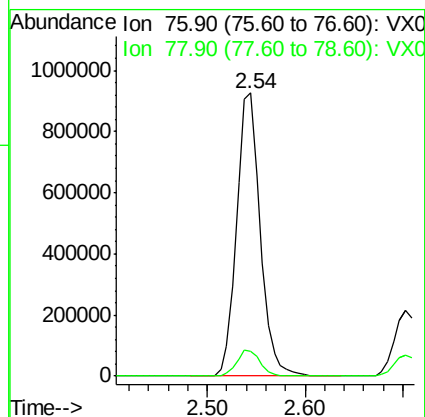
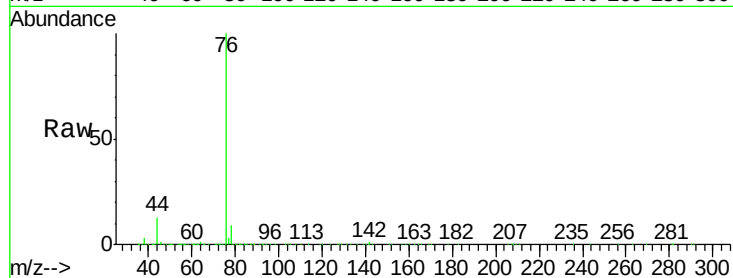
78 8.8 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

8/19/2020 8:53:55 AM



#18

Methyl Acetate

Concen: 180.450 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX017968.D

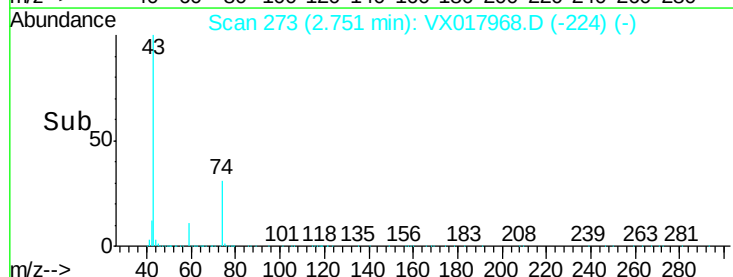
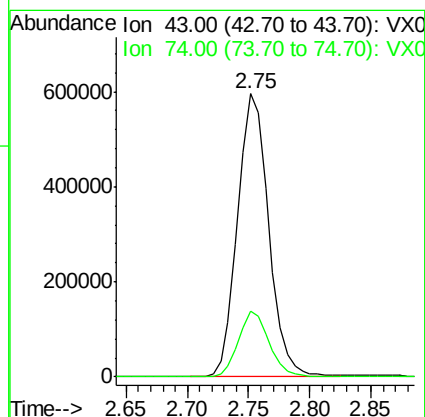
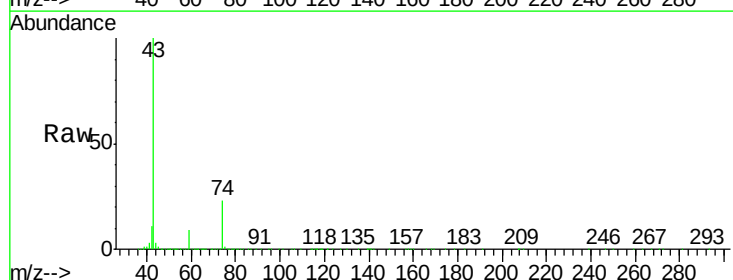
Acq: 18 Aug 2020 19:44

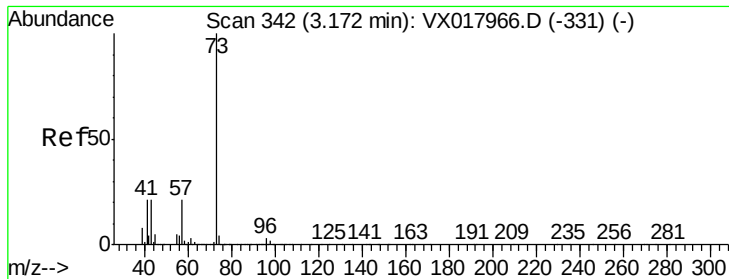
Tgt Ion: 43 Resp: 1050850

Ion Ratio Lower Upper

43 100

74 22.8 19.7 29.5





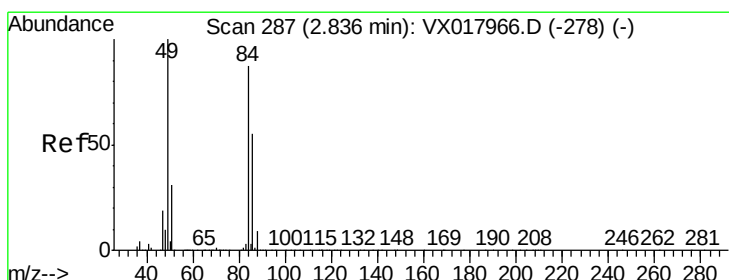
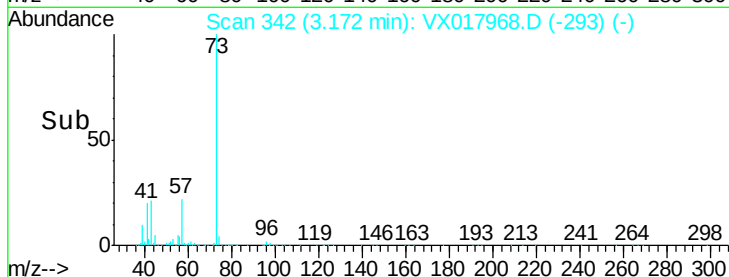
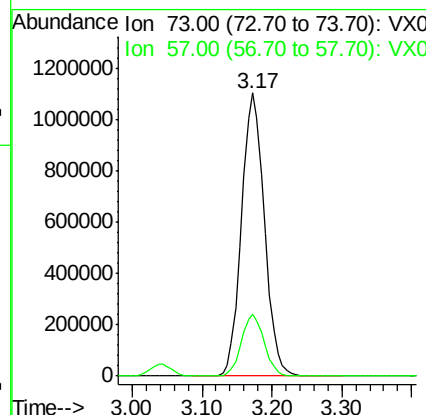
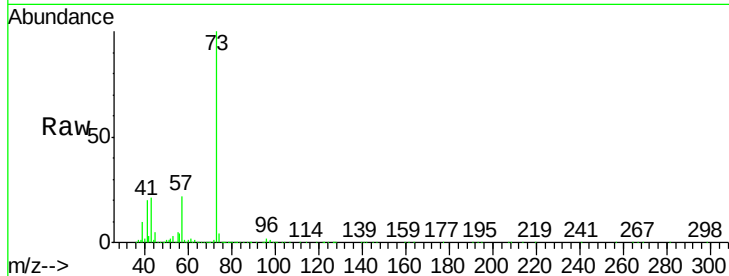
#19
Methyl tert-butyl Ether
Concen: 162.273 ug/l
RT: 3.17 min Scan# 342
Delta R.T. 0.00 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 2509542
Ion Ratio Lower Upper
73 100
57 21.7 16.9 25.3

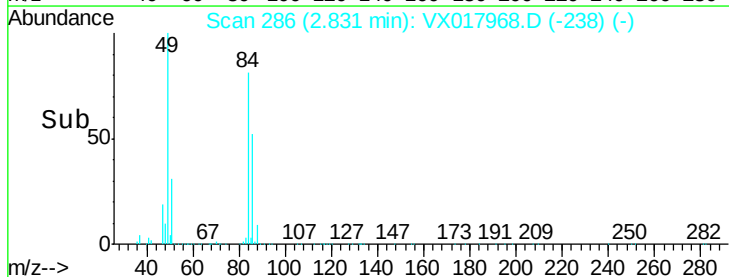
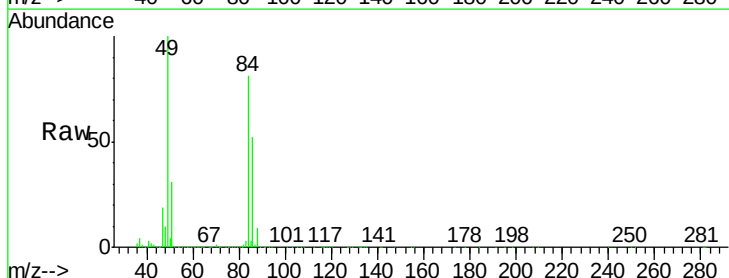
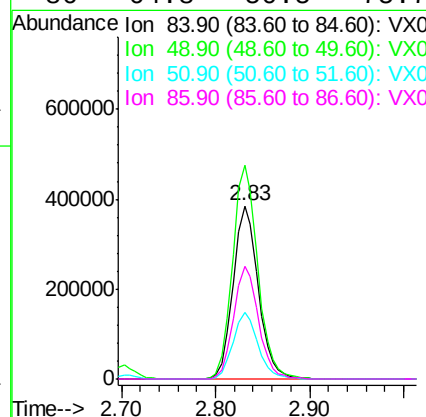
Manual Integrations
APPROVED

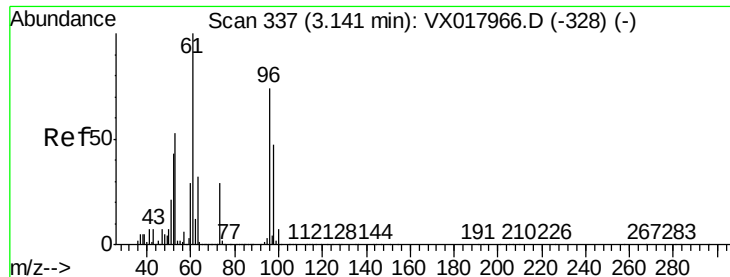
MMDadoda
8/19/2020 8:53:55 AM



#20
Methylene Chloride
Concen: 134.401 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Tgt Ion: 84 Resp: 713374
Ion Ratio Lower Upper
84 100
49 123.4 91.8 137.6
51 38.6 27.8 41.8
86 64.8 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 137.730 ug/l

RT: 3.14 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

Instrument :

MSVOA_X

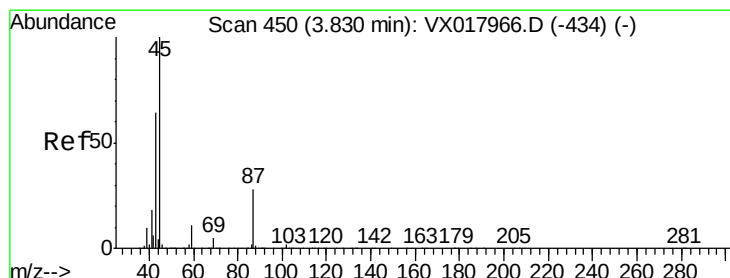
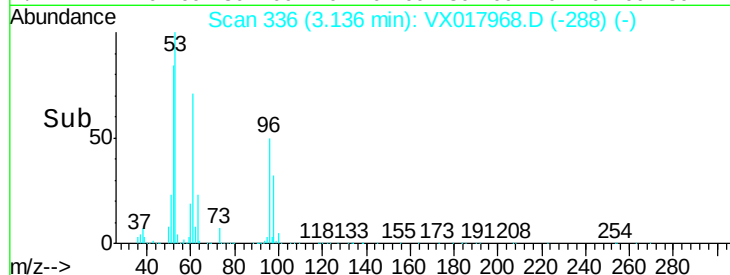
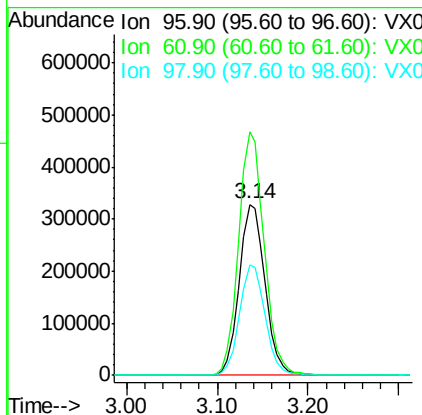
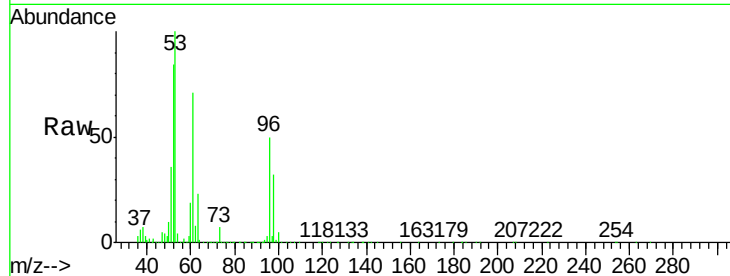
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	646998
Ion	Ratio	Lower	Upper
96	100		
61	142.1	108.6	163.0
98	64.8	51.4	77.0

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:55 AM



#22

Diisopropyl ether

Concen: 146.090 ug/l

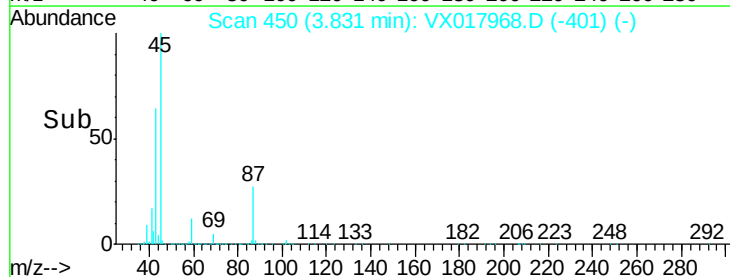
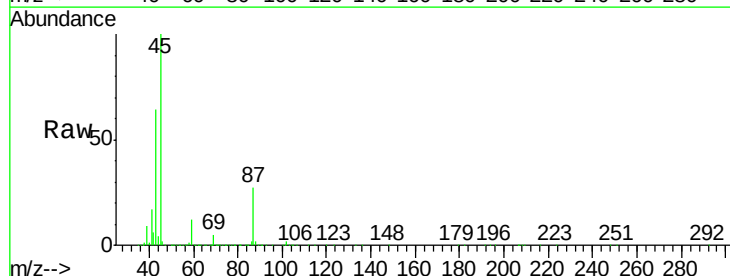
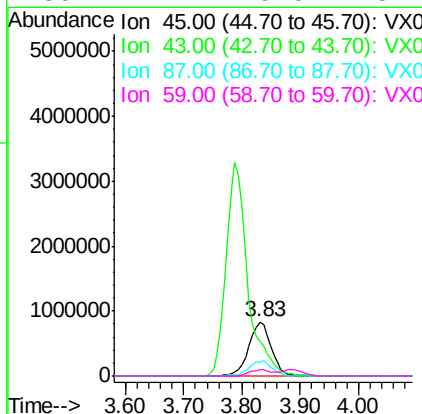
RT: 3.83 min Scan# 450

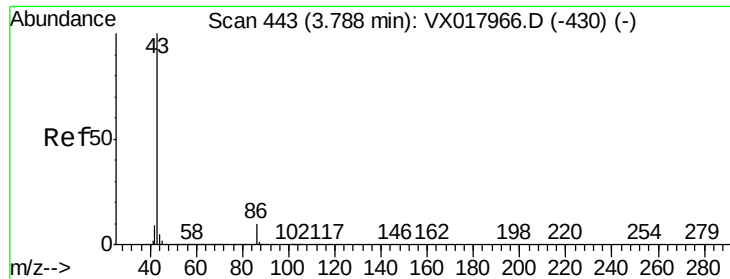
Delta R.T. 0.00 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

Tgt Ion:	45	Resp:	2206831
Ion	Ratio	Lower	Upper
45	100		
43	64.4	51.5	77.3
87	27.0	22.6	33.8
59	11.7	9.0	13.4





#23

Vinyl Acetate

Concen: 657.004 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

Tot Ion: 43 Resp: 8543415

Ion Ratio Lower Upper

43 100

86 10.3 8.1 12.1

Instrument :

MSVOA_X

ClientSampleId :

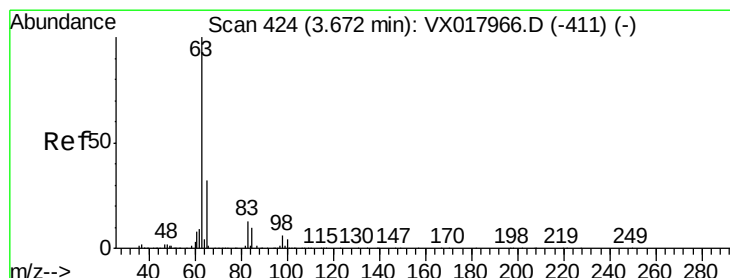
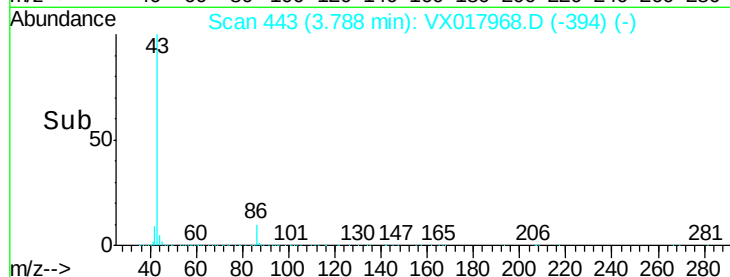
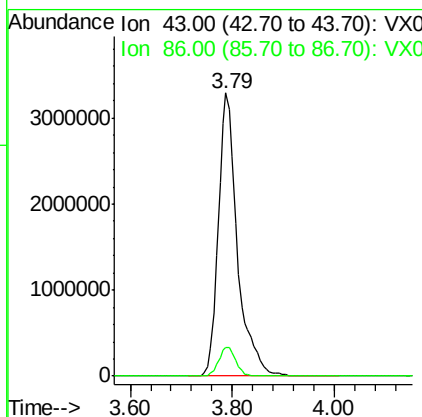
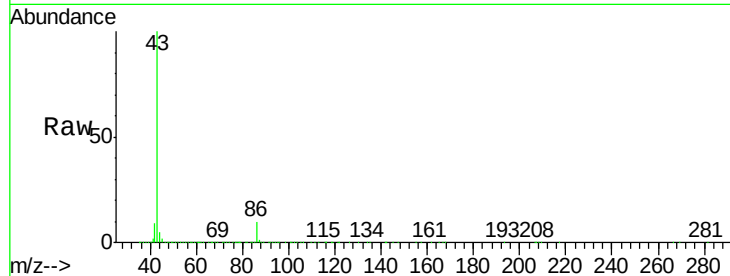
VSTDIC150

Manual Integrations

APPROVED

MMDadoda

8/19/2020 8:53:55 AM



#24

1,1-Dichloroethane

Concen: 145.676 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

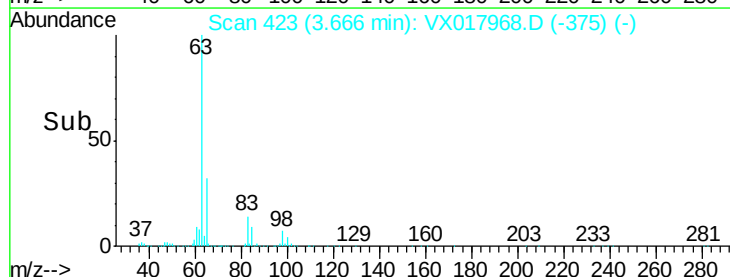
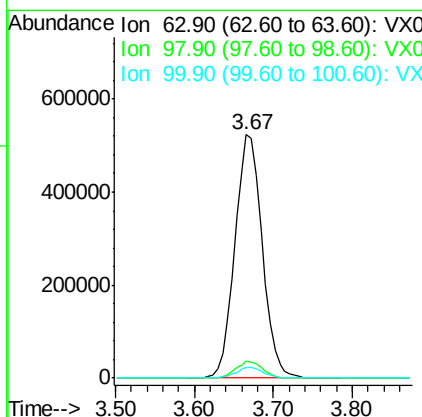
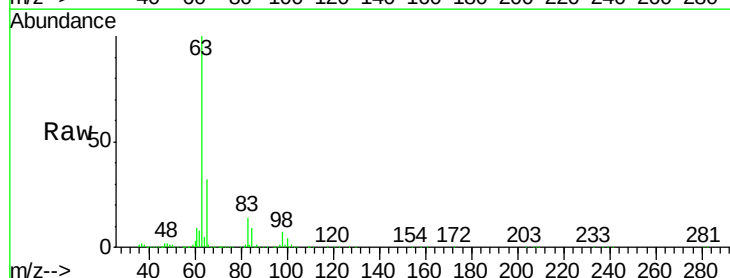
Tgt Ion: 63 Resp: 1259889

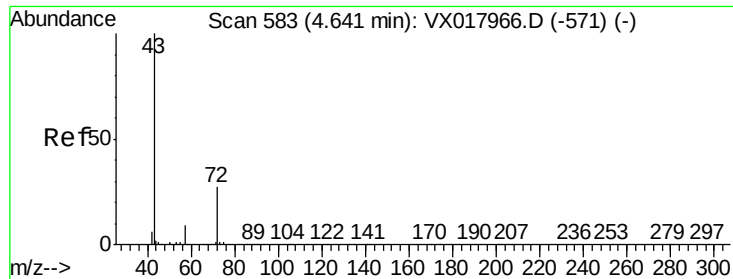
Ion Ratio Lower Upper

63 100

98 6.9 3.0 9.0

100 4.4 2.0 5.8





#25

2-Butanone

Concen: 800.512 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

Tot Ion: 43 Resp: 2841086

Ion Ratio Lower Upper

43 100

72 24.9 21.4 32.2

Instrument :

MSVOA_X

ClientSampleId :

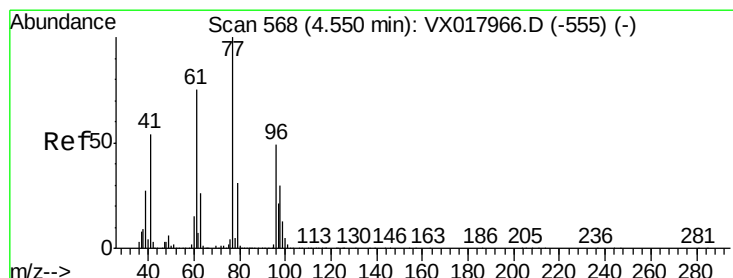
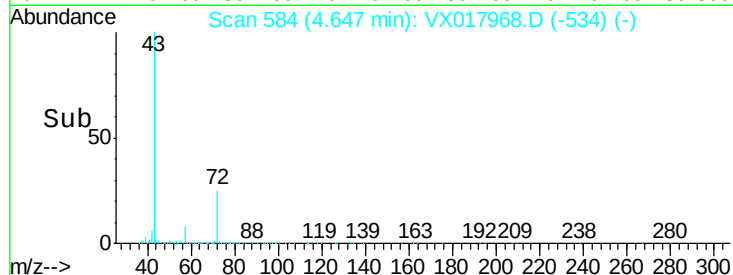
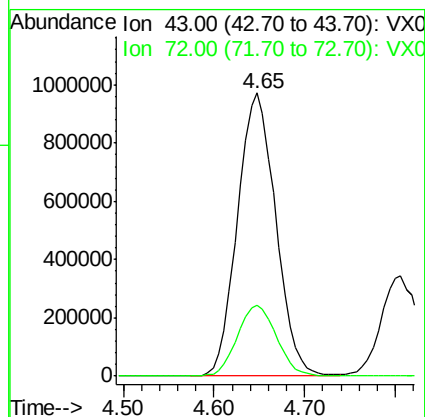
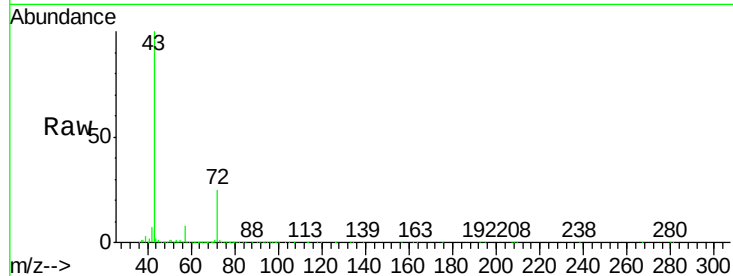
VSTDIC150

Manual Integrations

APPROVED

MMDadoda

8/19/2020 8:53:55 AM



#26

2,2-Dichloropropane

Concen: 136.093 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.00 min

Lab File: VX017968.D

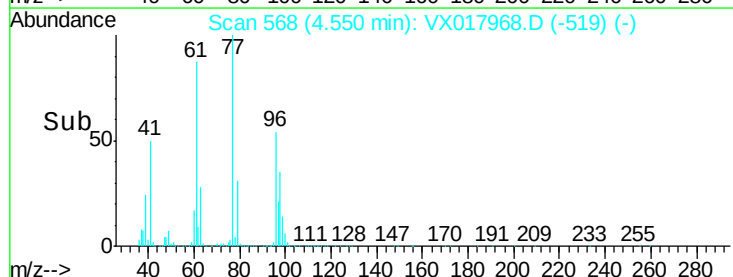
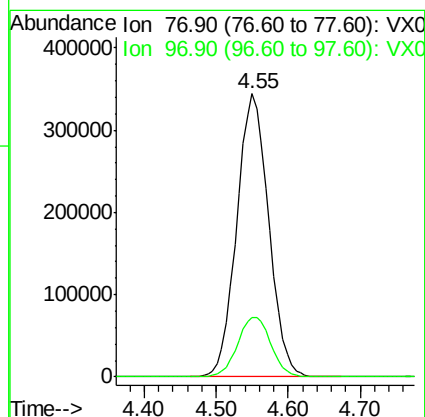
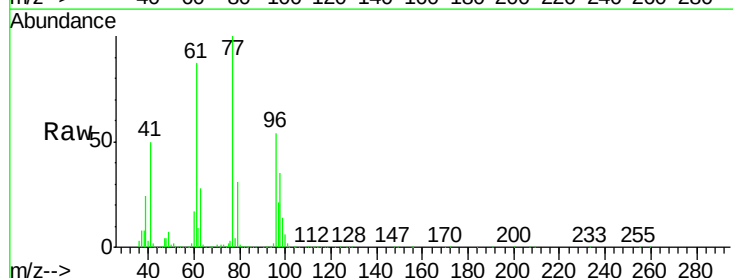
Acq: 18 Aug 2020 19:44

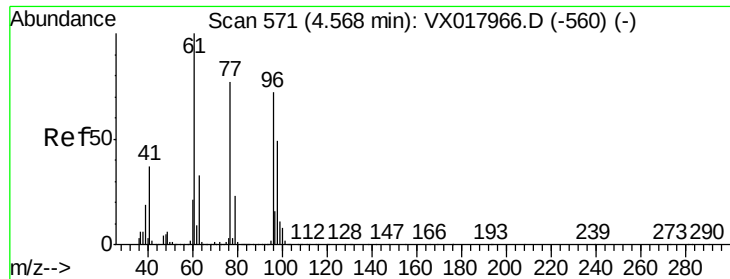
Tgt Ion: 77 Resp: 1058931

Ion Ratio Lower Upper

77 100

97 22.1 10.9 32.9





#27

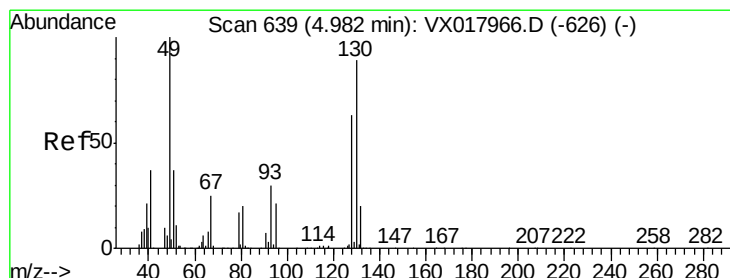
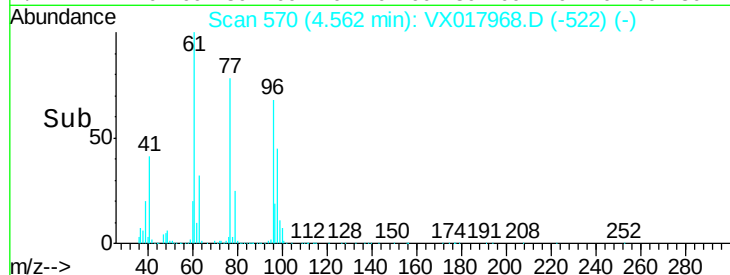
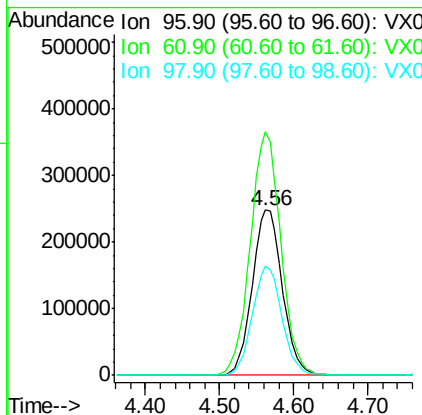
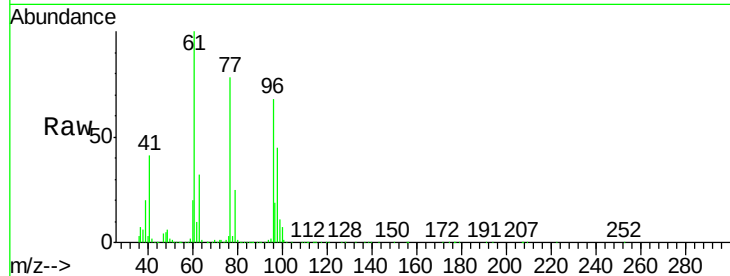
cis-1,2-Dichloroethene
Concen: 134.726 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	702512		
61	149.9	0.0	298.8	
98	65.1	0.0	130.2	

Manual Integrations
APPROVED

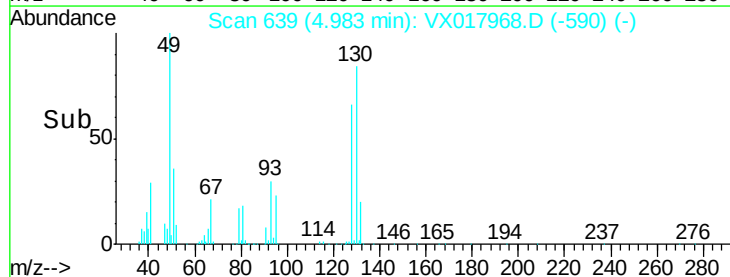
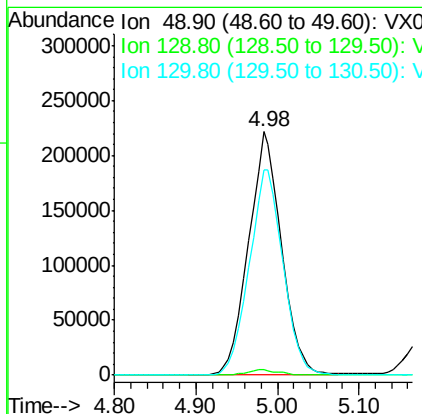
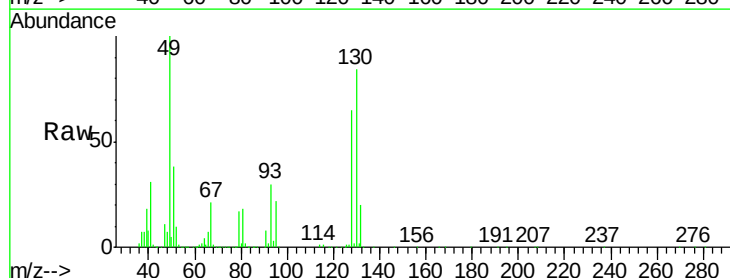
MMDadoda
8/19/2020 8:53:55 AM

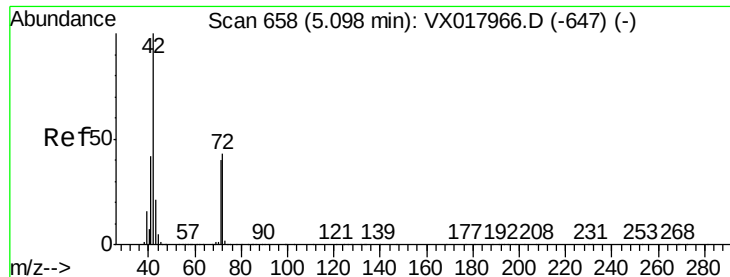


#28

Bromochloromethane
Concen: 156.123 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	621488		
129	2.2	0.0	3.6	
130	86.7	68.5	102.7	





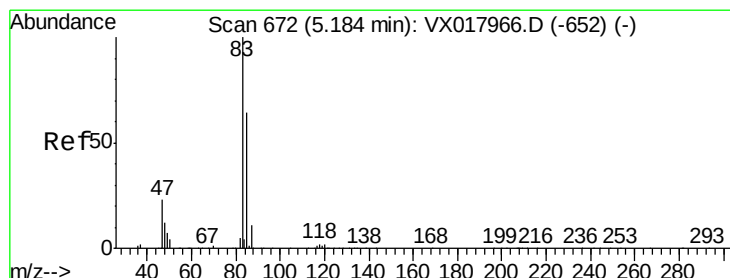
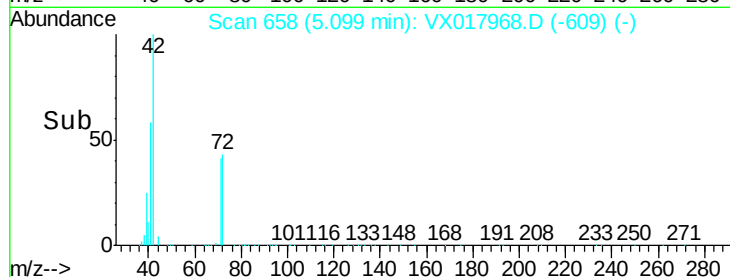
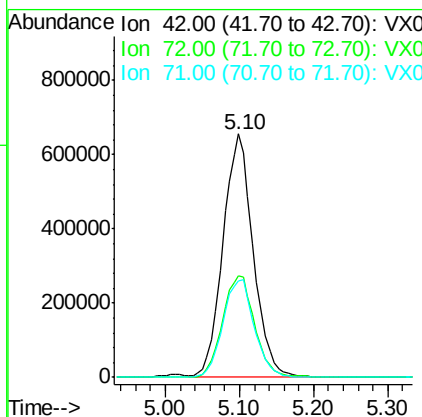
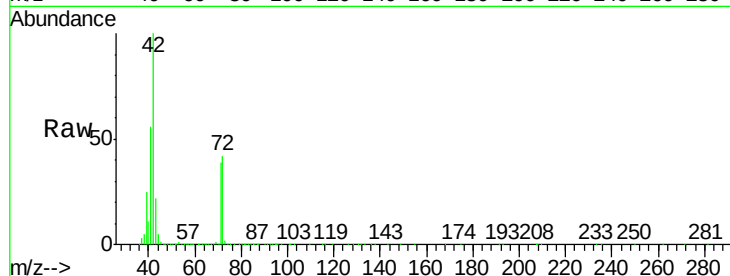
#29
Tetrahydrofuran
Concen: 832.448 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1838169
Ion Ratio Lower Upper
42 100
72 44.8 35.9 53.9
71 42.2 33.0 49.4

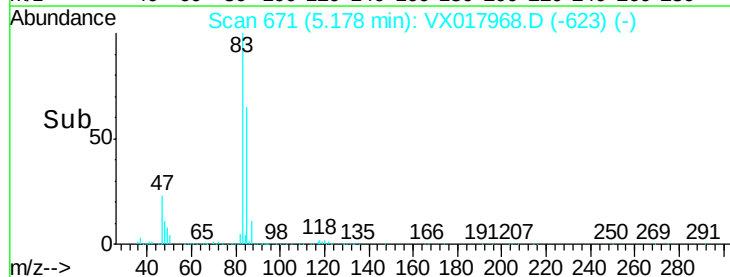
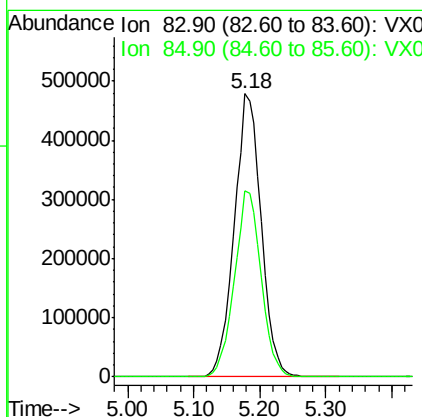
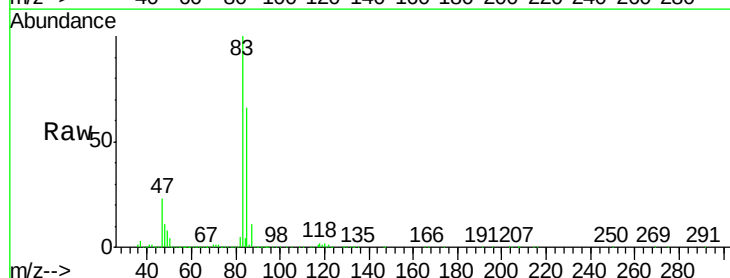
Manual Integrations
APPROVED

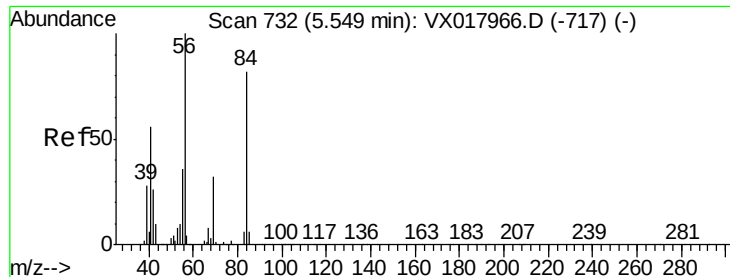
MMDadoda
8/19/2020 8:53:55 AM



#30
Chloroform
Concen: 151.179 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.01 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Tgt Ion: 83 Resp: 1347184
Ion Ratio Lower Upper
83 100
85 65.6 51.3 76.9





#31

Cyclohexane

Concen: 147.601 ug/l

RT: 5.54 min Scan# 731

Delta R.T. -0.01 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 1038465

Ion Ratio Lower Upper

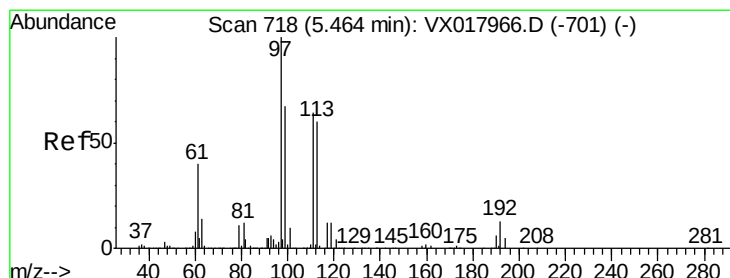
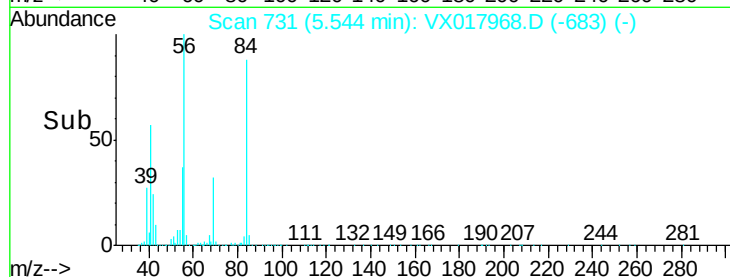
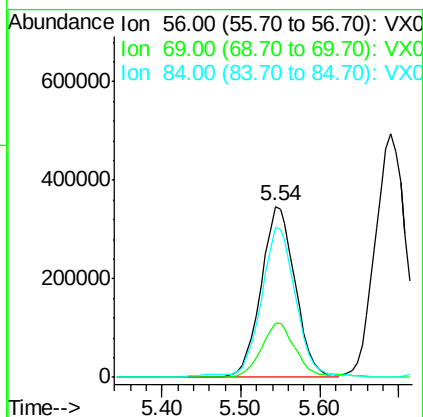
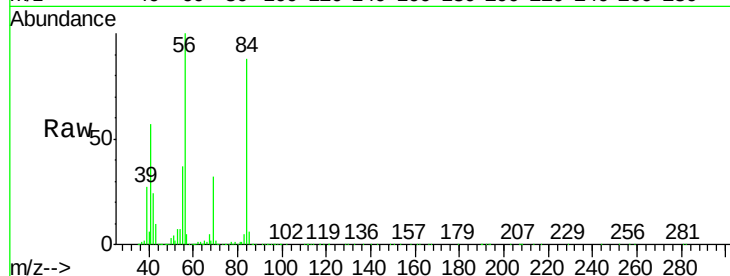
56 100

69 31.9 25.3 37.9

84 87.2 65.3 97.9

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:55 AM



#32

1,1,1-Trichloroethane

Concen: 145.114 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

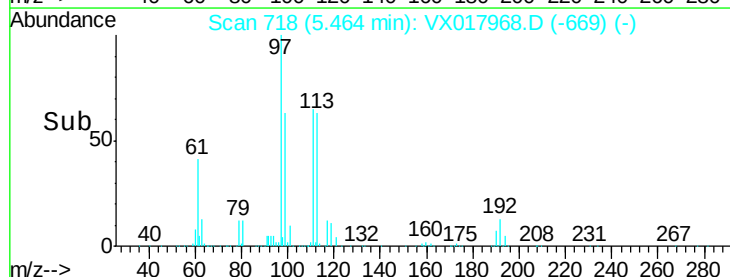
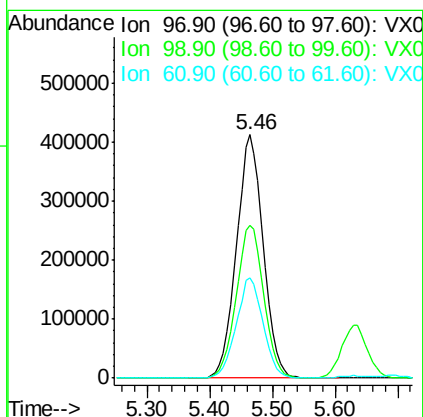
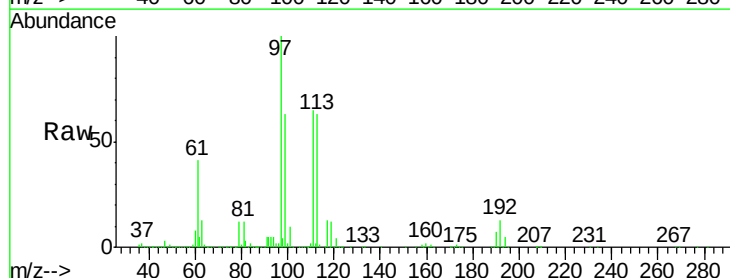
Tgt Ion: 97 Resp: 1215646

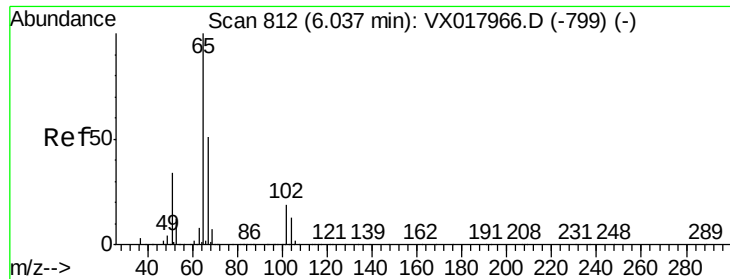
Ion Ratio Lower Upper

97 100

99 64.4 51.4 77.0

61 41.3 33.7 50.5





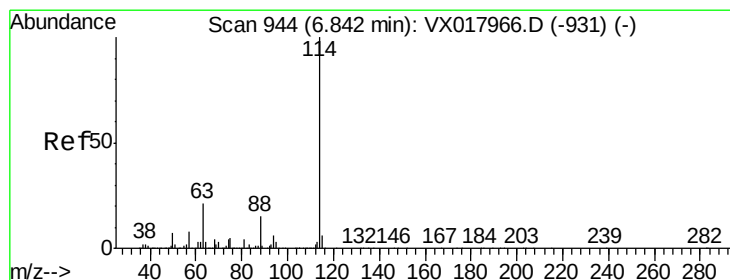
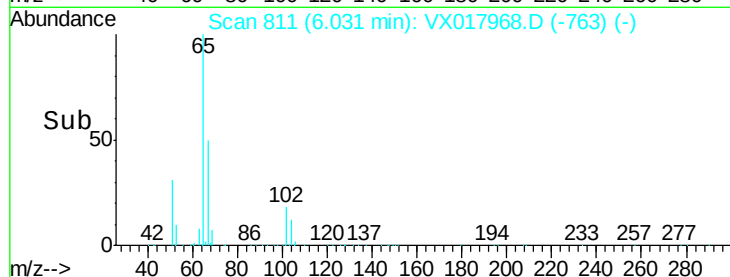
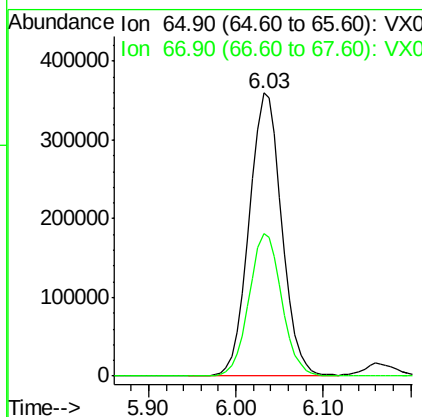
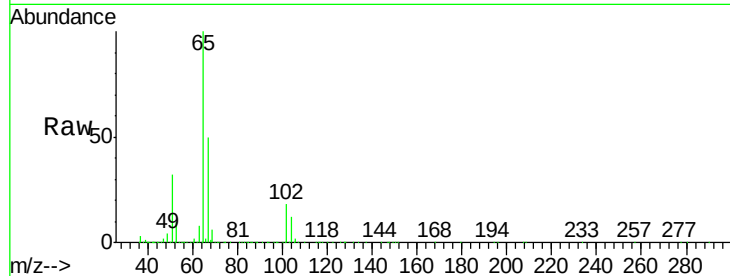
#33
 1,2-Dichloroethane-d4
 Concen: 164.923 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: VX017968.D
 Acq: 18 Aug 2020 19:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	933220		
67	50.4	0.0	103.0	

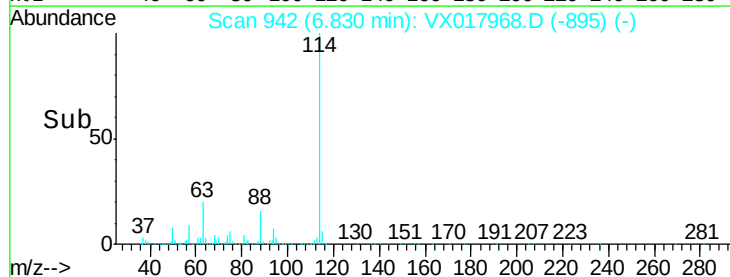
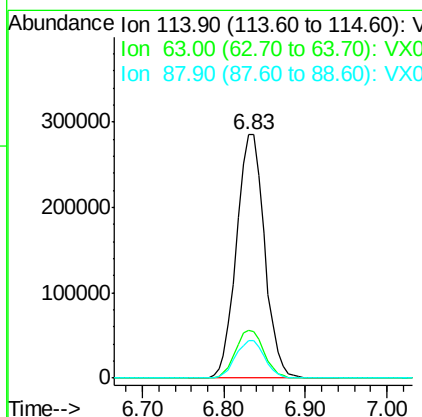
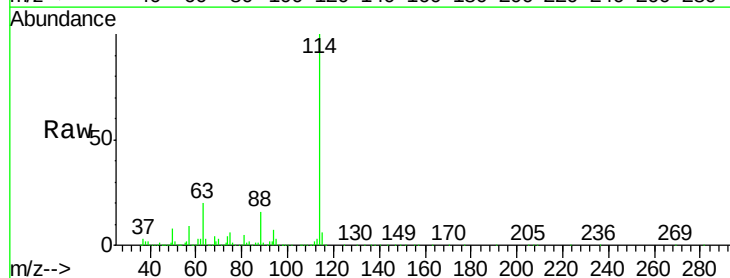
Manual Integrations
 APPROVED

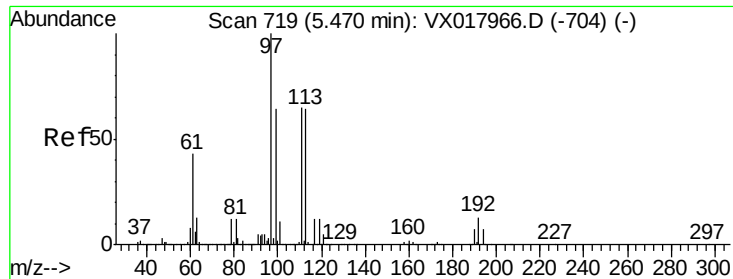
MMDadoda
 8/19/2020 8:53:55 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX017968.D
 Acq: 18 Aug 2020 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	678900		
63	19.5	0.0	42.6	
88	15.6	0.0	30.2	





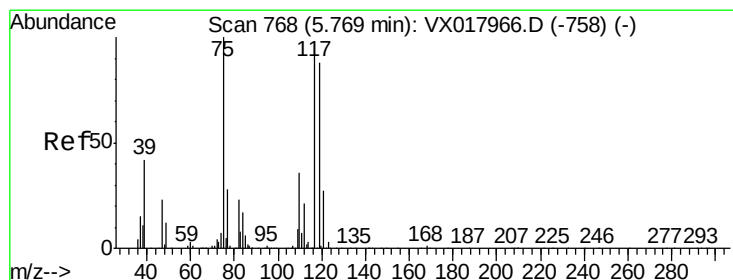
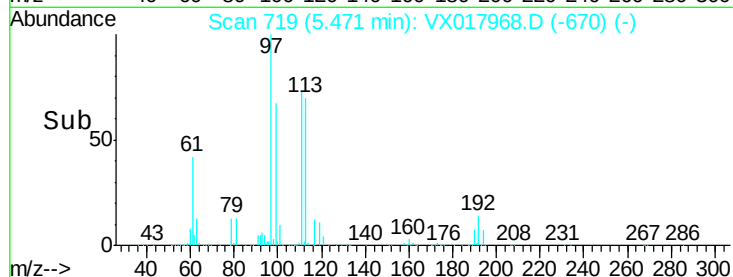
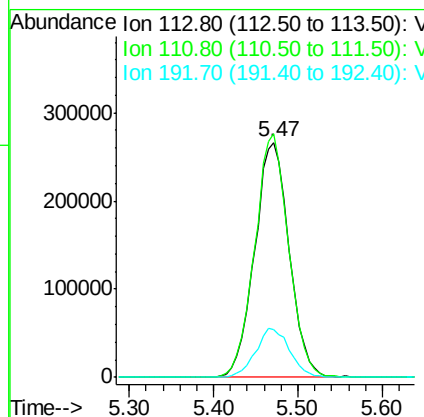
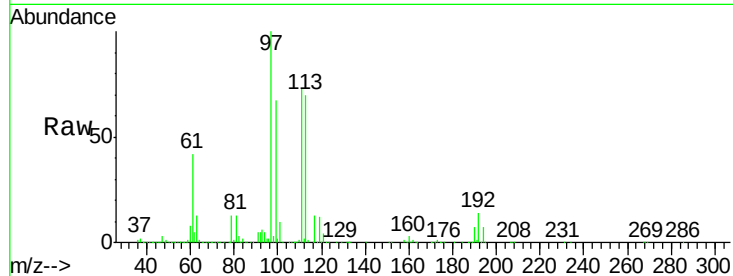
#35
 Dibromofluoromethane
 Concen: 163.621 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX017968.D
 Acq: 18 Aug 2020 19:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	746945		
111	101.7	83.5	125.3	
192	20.7	16.2	24.4	

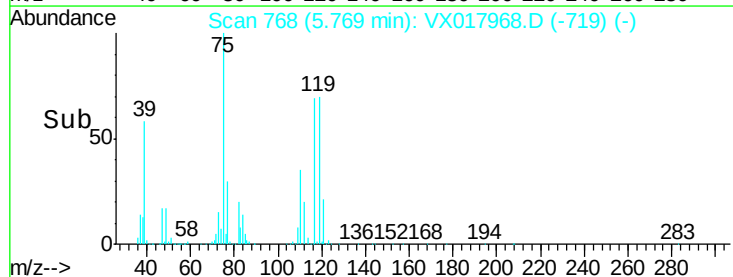
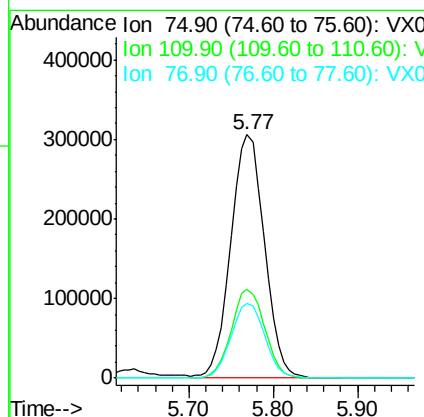
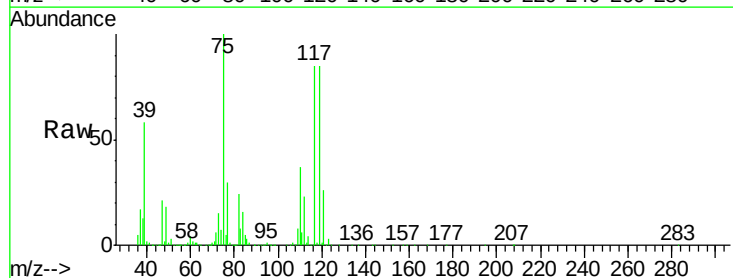
Manual Integrations
 APPROVED

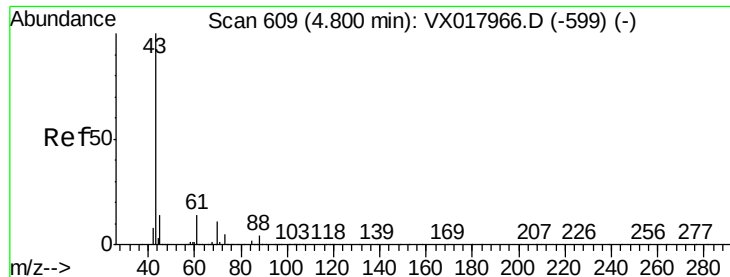
MMDadoda
 8/19/2020 8:53:55 AM



#36
 1,1-Dichloropropene
 Concen: 127.701 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX017968.D
 Acq: 18 Aug 2020 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	825857		
110	36.3	18.7	56.1	
77	30.8	24.4	36.6	





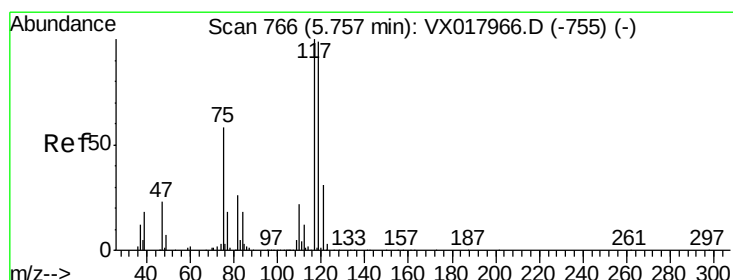
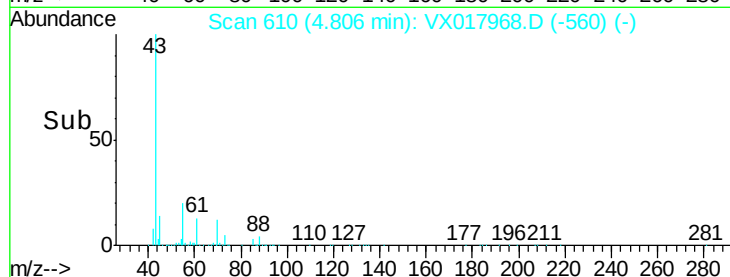
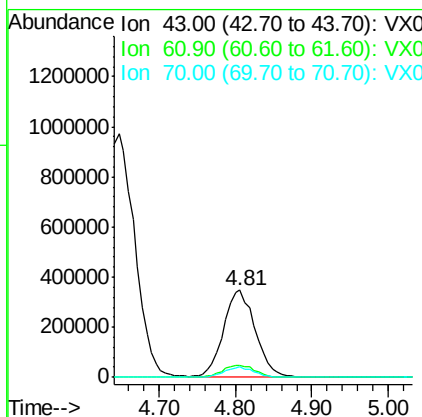
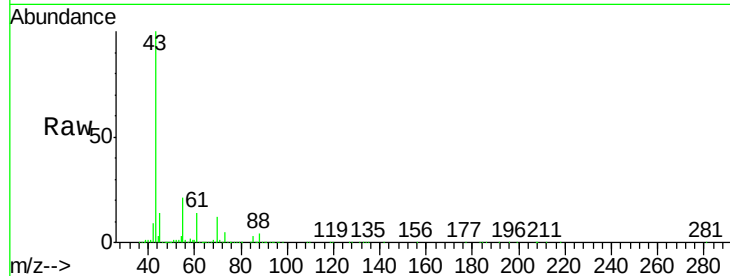
#37
Ethyl Acetate
Concen: 143.811 ug/l
RT: 4.81 min Scan# 610
Delta R.T. 0.01 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:	43	Resp:	1000742
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.3	16.9
70	10.9	8.5	12.7

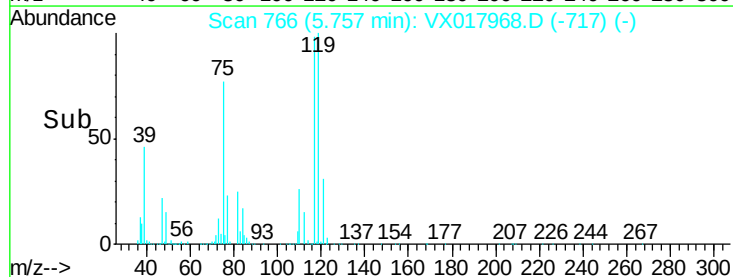
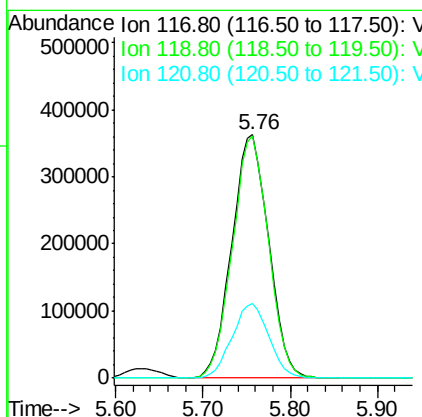
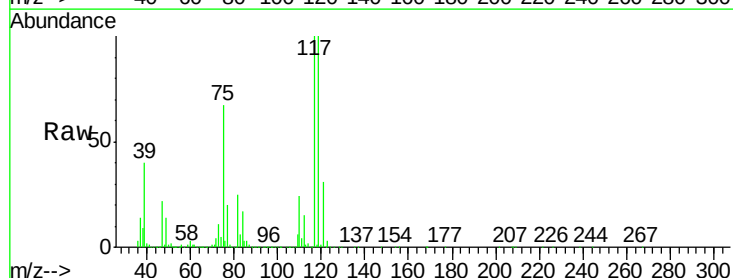
Manual Integrations
APPROVED

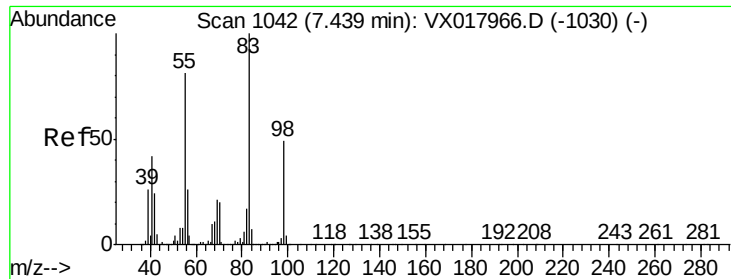
MMDadoda
8/19/2020 8:53:55 AM



#38
Carbon Tetrachloride
Concen: 133.832 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Tgt Ion:	117	Resp:	1062003
Ion	Ratio	Lower	Upper
117	100		
119	99.7	79.0	118.6
121	30.7	24.7	37.1





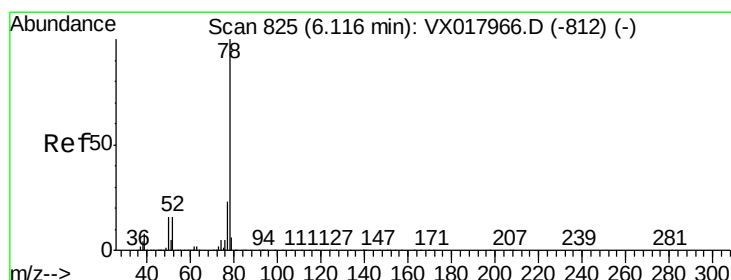
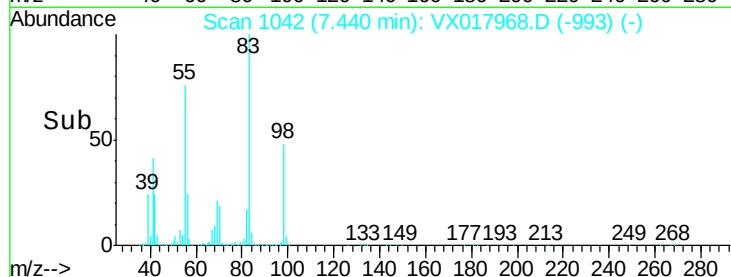
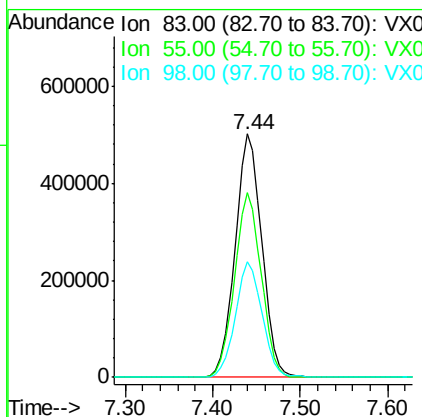
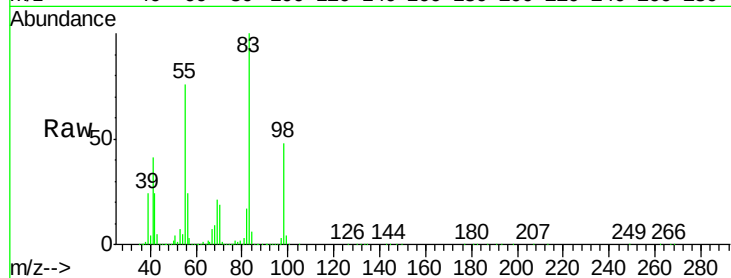
#39
Methylvlcyclohexane
Concen: 139.549 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1064994
Ion Ratio Lower Upper
83 100
55 76.0 64.5 96.7
98 47.5 39.0 58.6

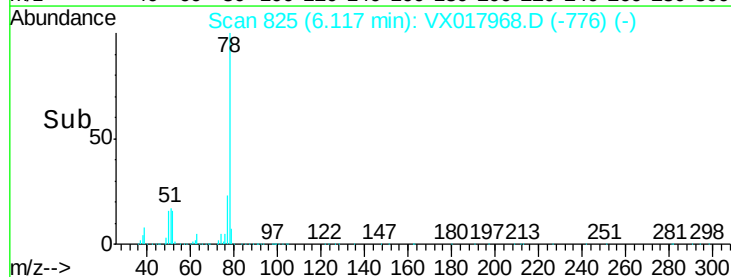
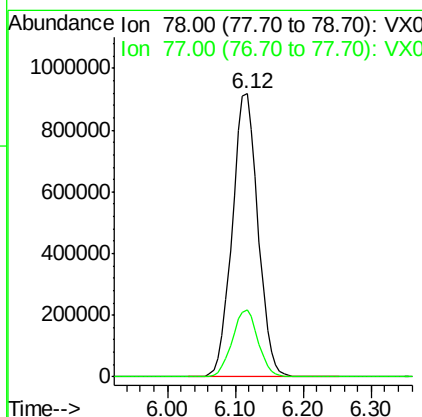
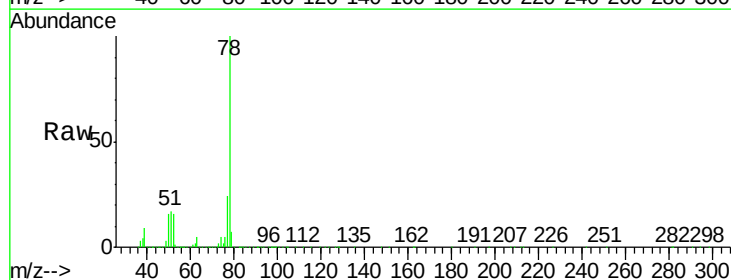
Manual Integrations
APPROVED

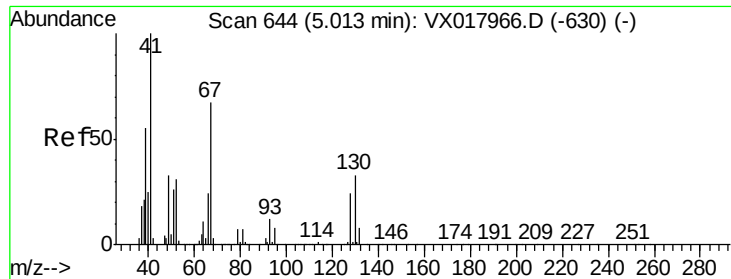
MMDadoda
8/19/2020 8:53:55 AM



#40
Benzene
Concen: 130.352 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Tgt Ion: 78 Resp: 2410193
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2





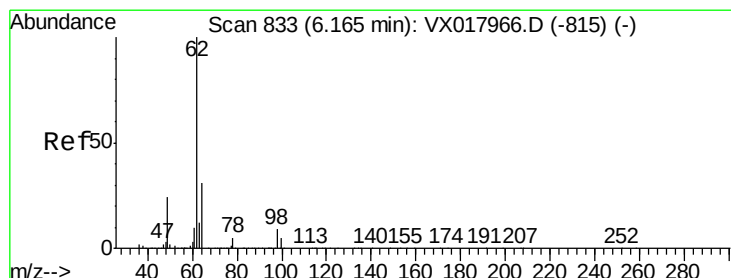
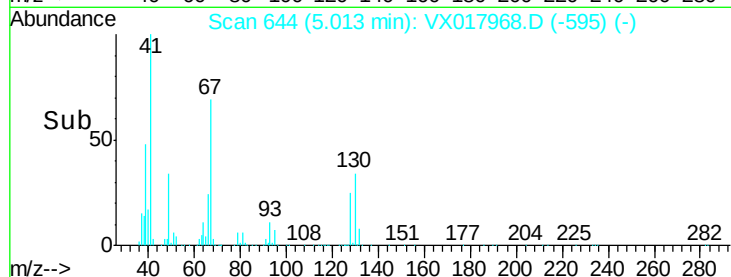
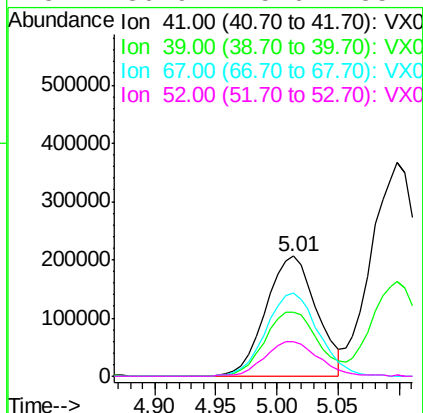
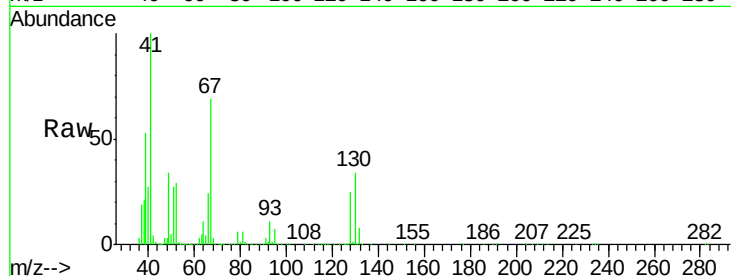
#41
Methacrylonitrile
Concen: 146.169 ug/l
RT: 5.01 min Scan# 644
Delta R.T. 0.00 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.0	44.8	67.2
67	72.0	57.5	86.3
52	30.9	25.6	38.4

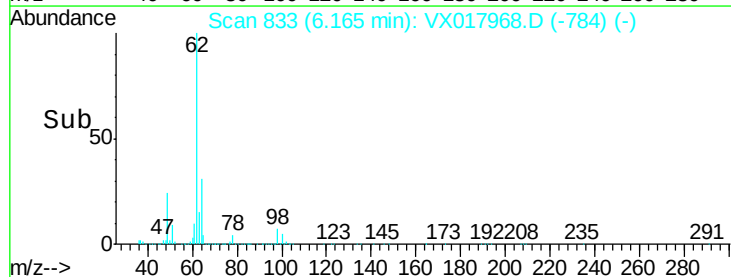
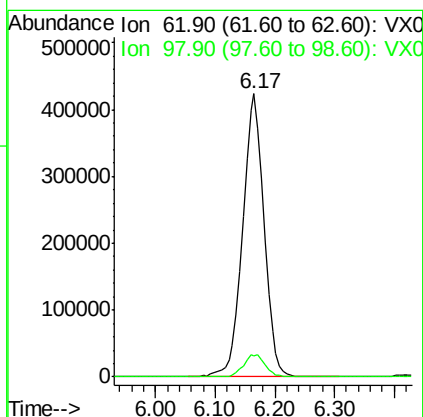
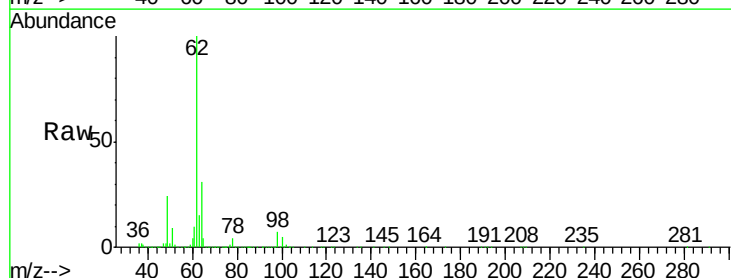
Manual Integrations
APPROVED

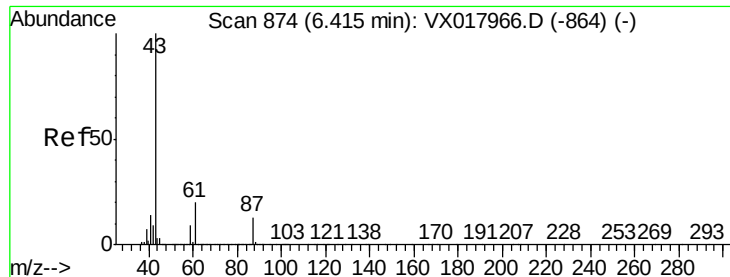
MMDadoda
8/19/2020 8:53:55 AM



#42
1,2-Dichloroethane
Concen: 139.527 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.2





#43

Isopropyl Acetate

Concen: 152.113 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.00 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1731993

Ion Ratio Lower Upper

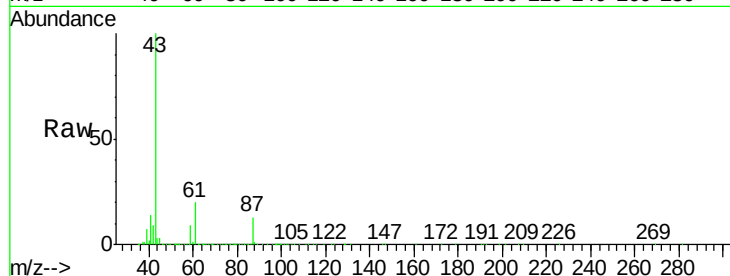
43 100

61 19.6 16.2 24.4

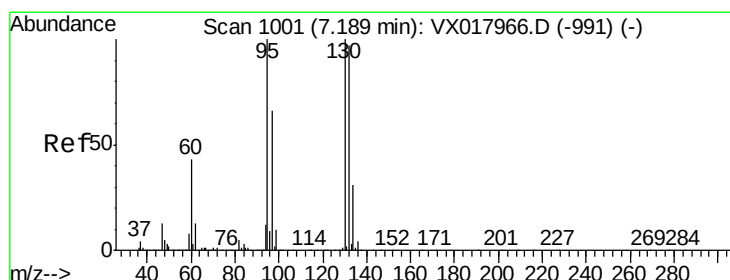
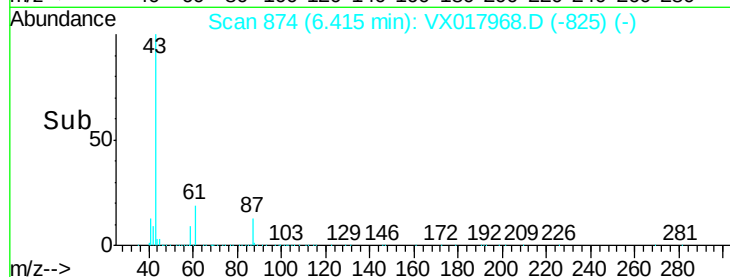
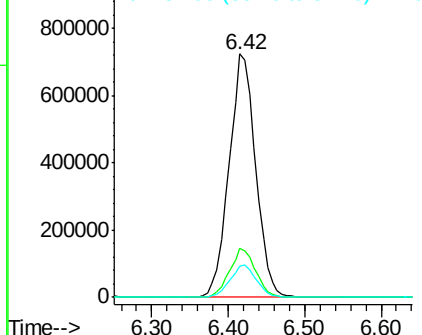
87 13.3 10.8 16.2

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:55 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 141.756 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017968.D

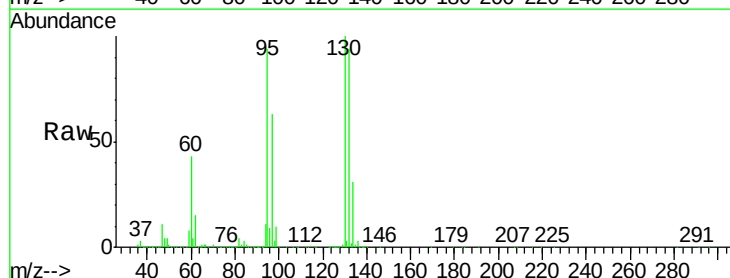
Acq: 18 Aug 2020 19:44

Tgt Ion:130 Resp: 771268

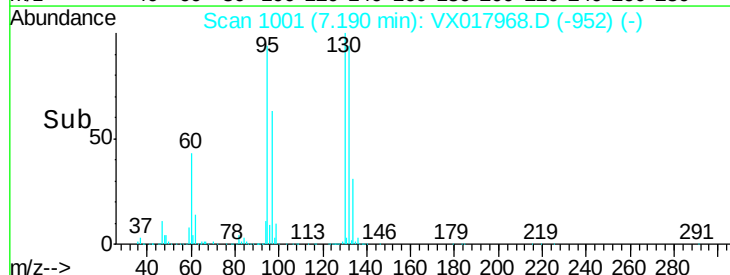
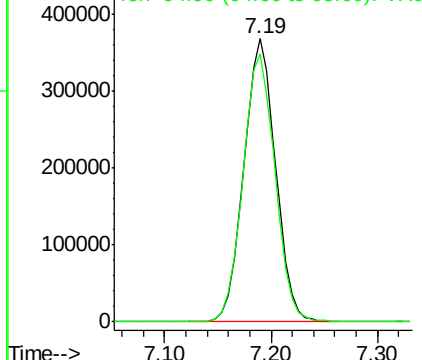
Ion Ratio Lower Upper

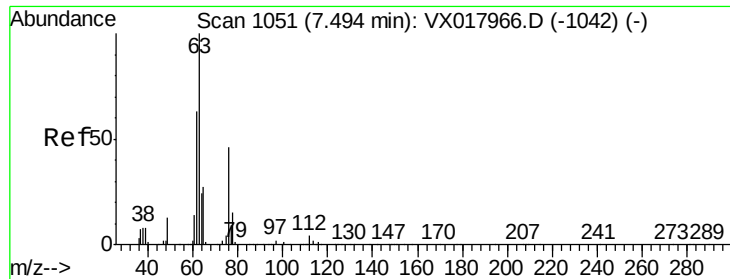
130 100

95 94.5 0.0 200.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





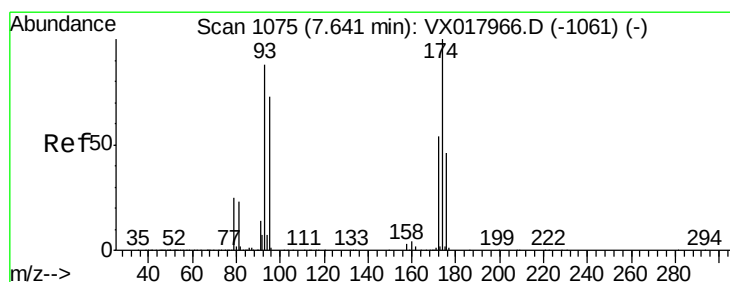
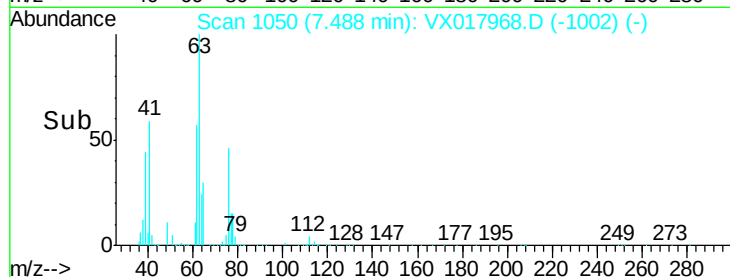
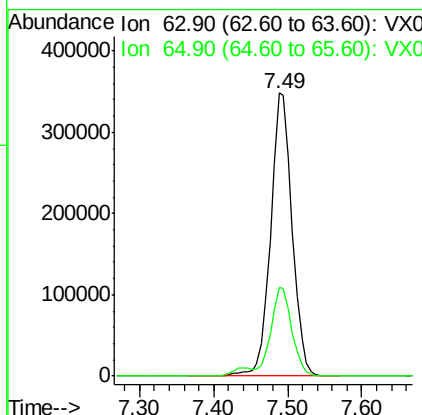
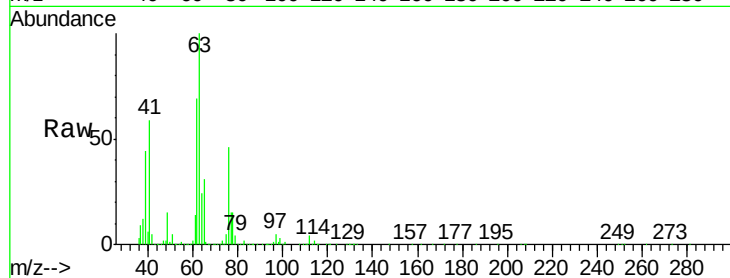
#45
 1,2-Dichloropropane
 Concen: 134.621 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VX017968.D
 Acq: 18 Aug 2020 19:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	23.8	35.8

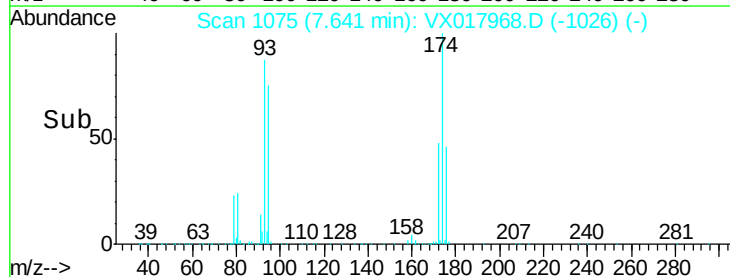
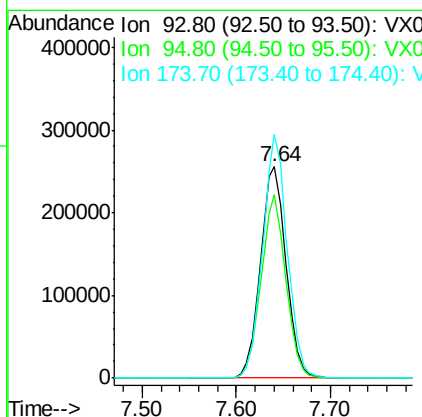
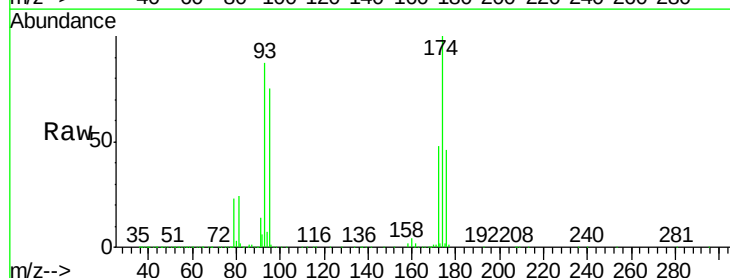
Manual Integrations
 APPROVED

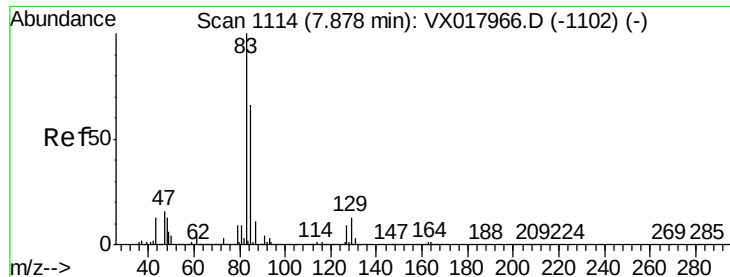
MMDadoda
 8/19/2020 8:53:55 AM



#46
 Dibromomethane
 Concen: 133.483 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VX017968.D
 Acq: 18 Aug 2020 19:44

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	66.8	100.2
174	110.8	88.3	132.5





#47

Bromodichloromethane

Concen: 147.775 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1110957

Ion Ratio Lower Upper

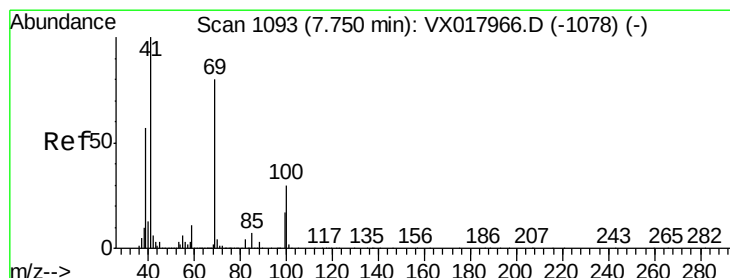
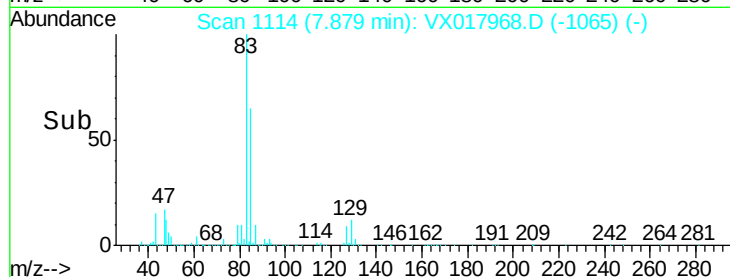
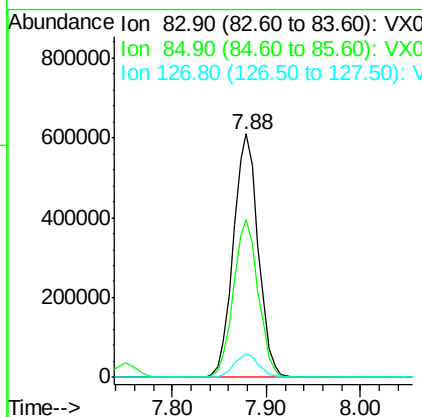
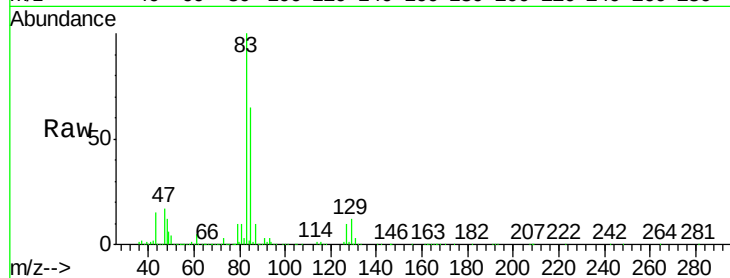
83 100

85 64.7 52.4 78.6

127 9.5 7.0 10.6

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:55 AM



#48

Methyl methacrylate

Concen: 146.918 ug/l

RT: 7.75 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

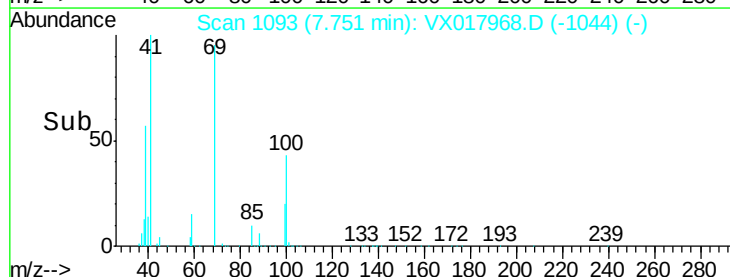
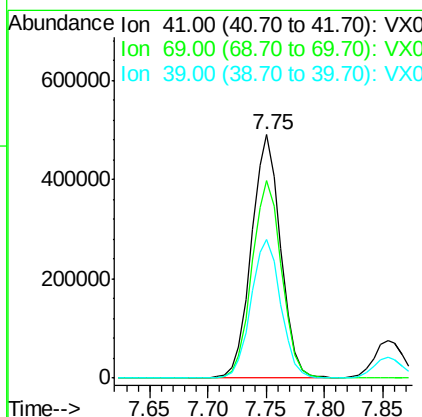
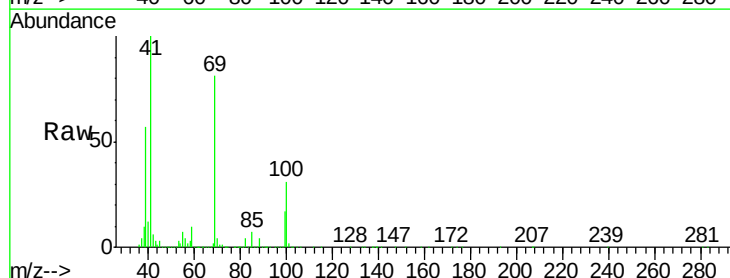
Tgt Ion: 41 Resp: 860407

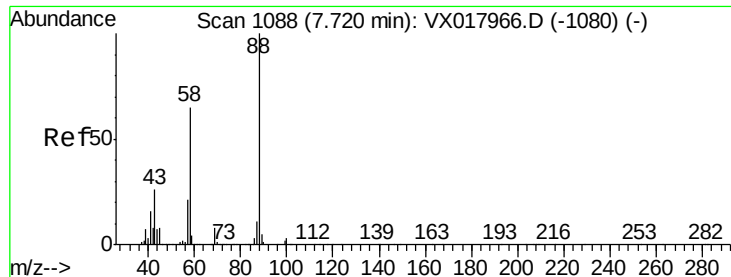
Ion Ratio Lower Upper

41 100

69 82.5 64.3 96.5

39 57.7 45.3 67.9





#49

1,4-Dioxane

Concen: 3029.707 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

Instrument :

MSVOA_X

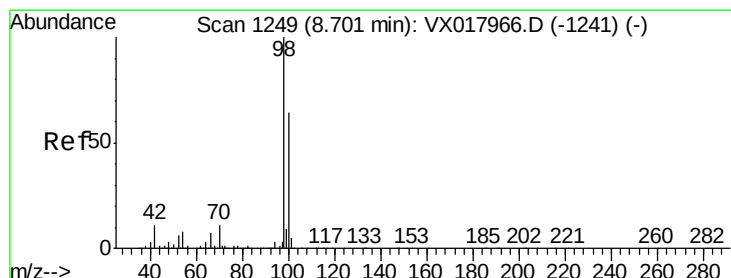
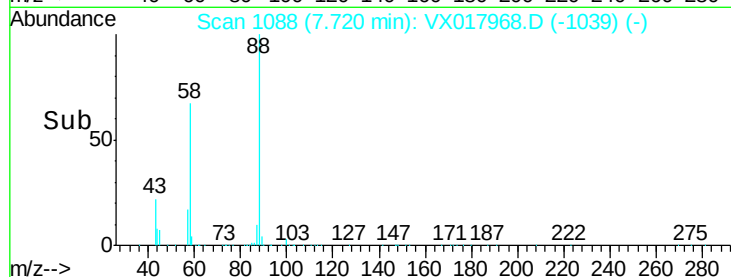
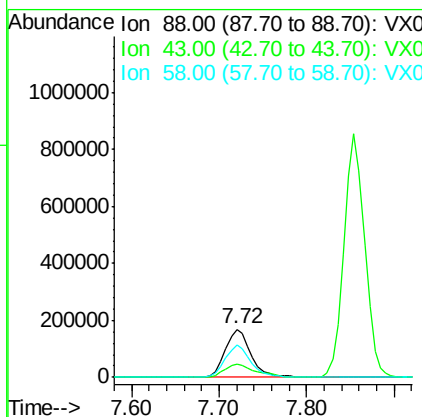
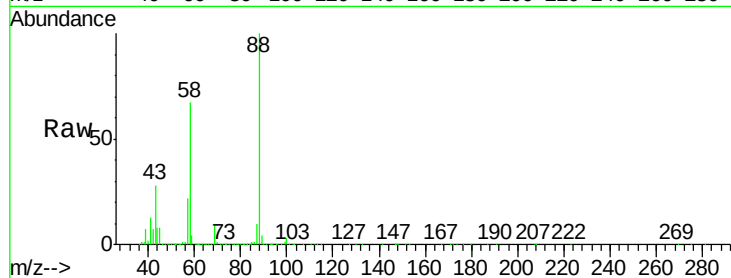
ClientSampleId :

VSTDICC150

Tot Ion:	88	Resp:	341327
Ion	Ratio	Lower	Upper
88	100		
43	32.8	27.3	40.9
58	68.9	57.7	86.5

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:55 AM



#50

Toluene-d8

Concen: 159.280 ug/l

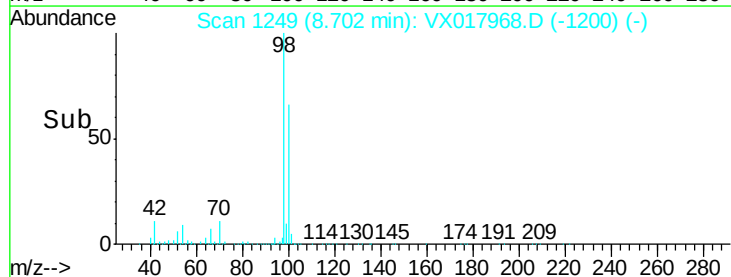
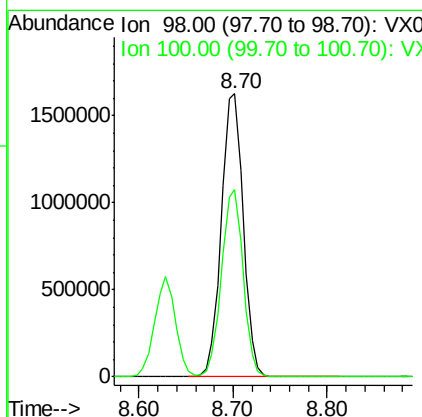
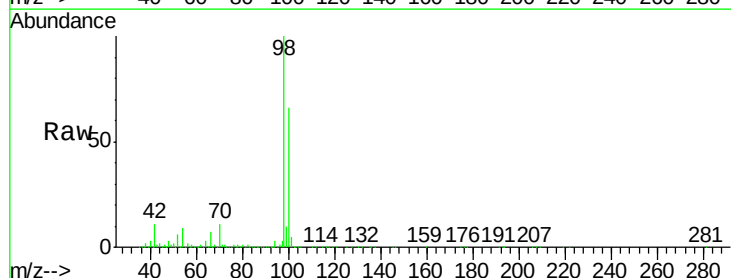
RT: 8.70 min Scan# 1249

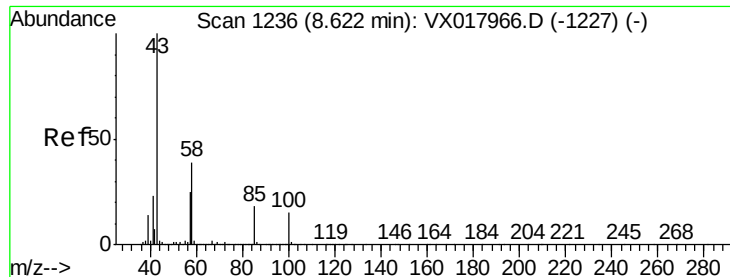
Delta R.T. 0.00 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

Tgt Ion:	98	Resp:	2619313
Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.4	77.2





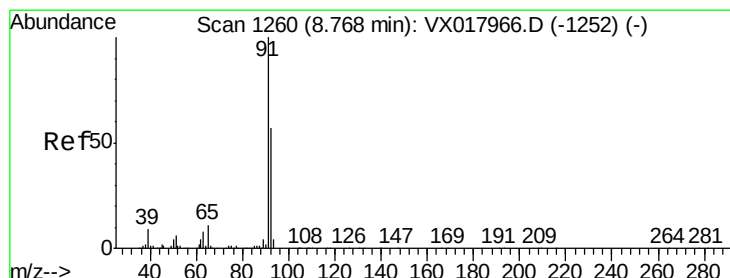
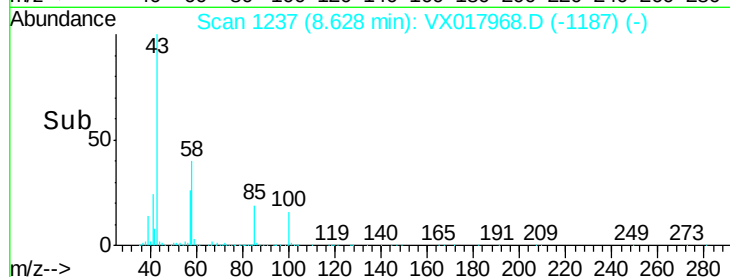
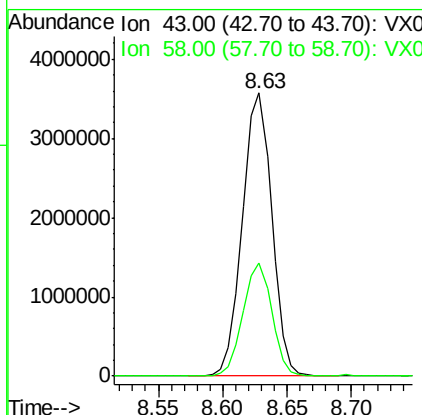
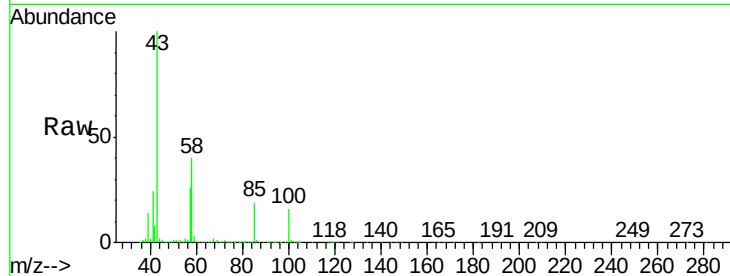
#51
4-Methyl-2-Pentanone
Concen: 803.270 ug/l
RT: 8.63 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 5656766
Ion Ratio Lower Upper
43 100
58 39.1 31.0 46.4

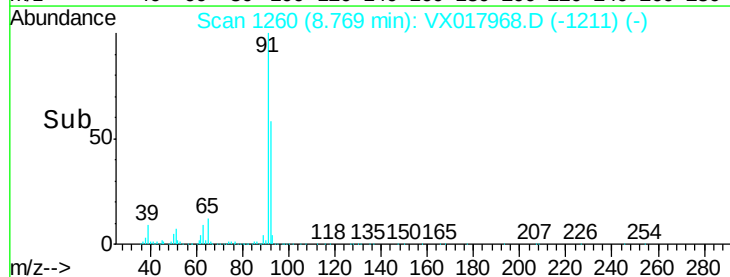
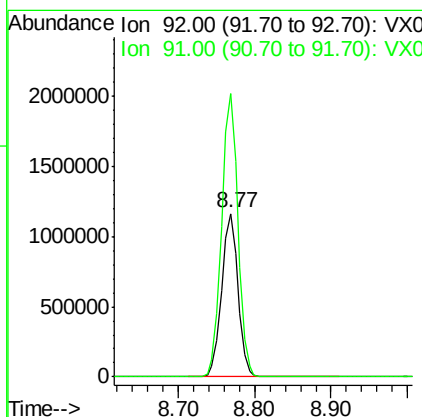
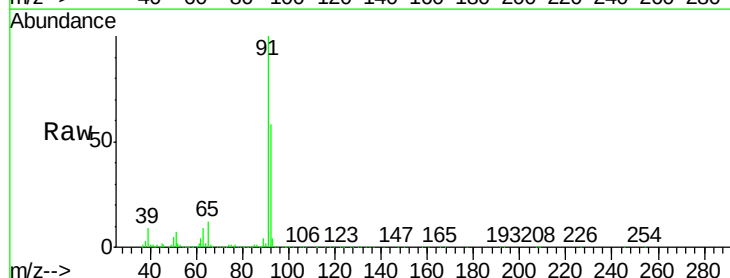
Manual Integrations
APPROVED

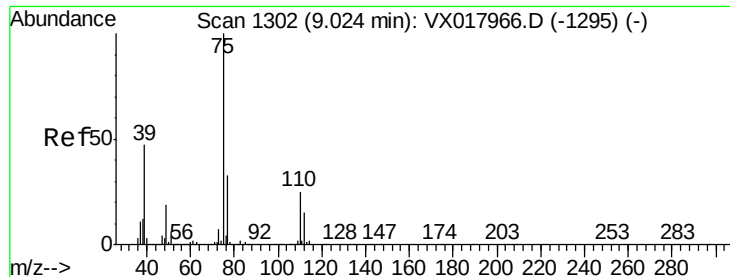
MMDadoda
8/19/2020 8:53:55 AM



#52
Toluene
Concen: 143.300 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Tgt Ion: 92 Resp: 1709900
Ion Ratio Lower Upper
92 100
91 174.0 138.4 207.6





#53

t-1,3-Dichloropropene

Concen: 153.373 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 1248132

Ion Ratio Lower Upper

75 100

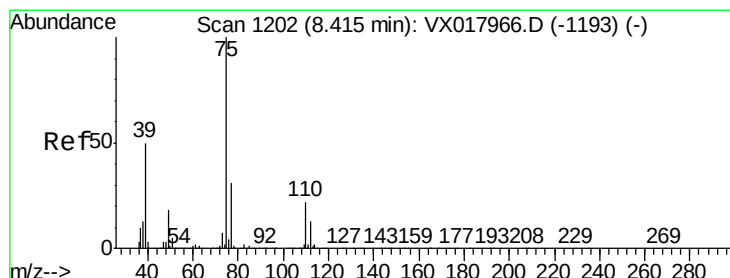
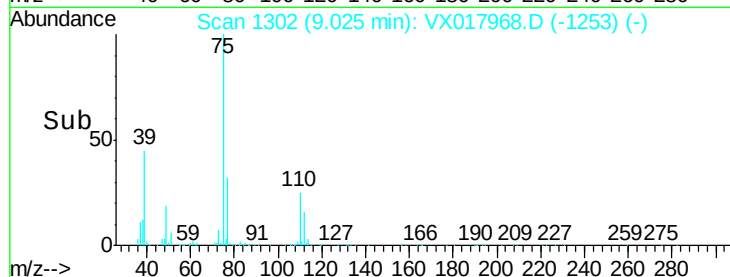
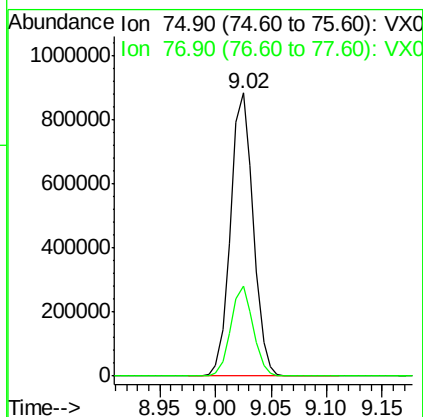
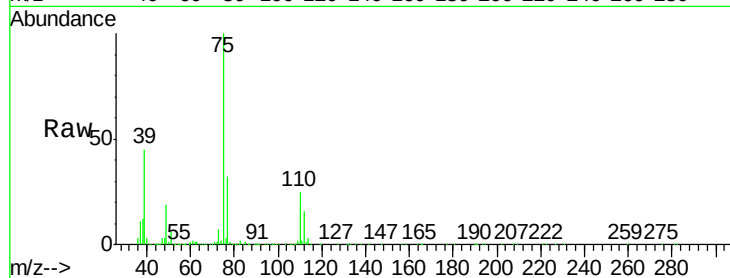
77 31.9 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

8/19/2020 8:53:55 AM



#54

cis-1,3-Dichloropropene

Concen: 161.383 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

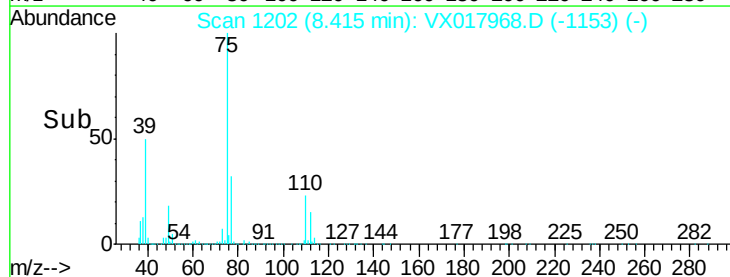
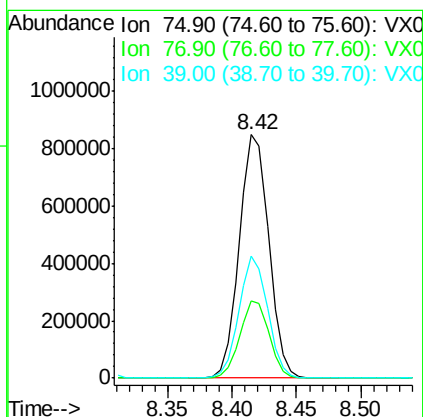
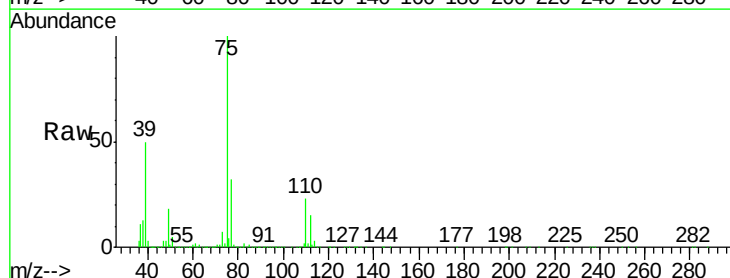
Tgt Ion: 75 Resp: 1346017

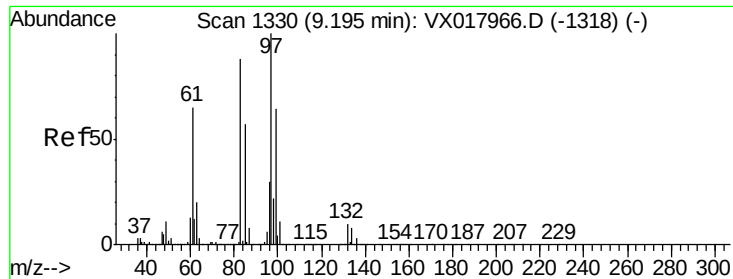
Ion Ratio Lower Upper

75 100

77 31.6 24.6 36.8

39 50.3 39.7 59.5





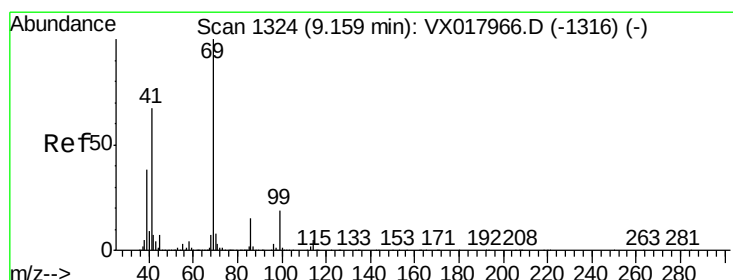
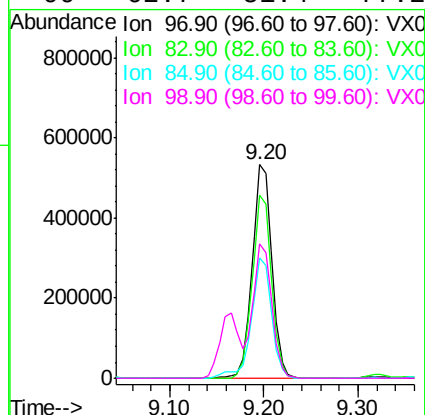
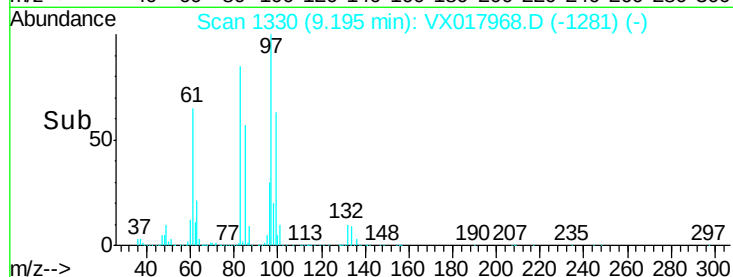
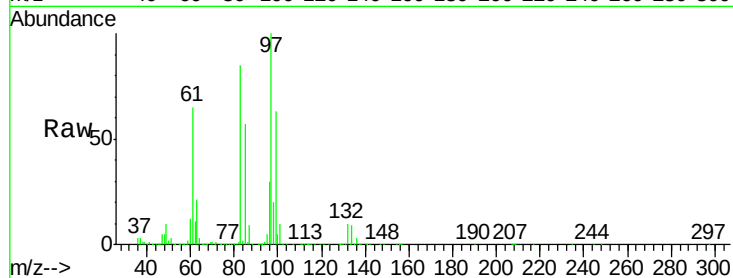
#55
 1,1,2-Trichloroethane
 Concen: 156.740 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX017968.D
 Acq: 18 Aug 2020 19:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		785132		
83	85.4	70.1	105.1		
85	56.5	45.8	68.8		
99	62.7	51.4	77.2		

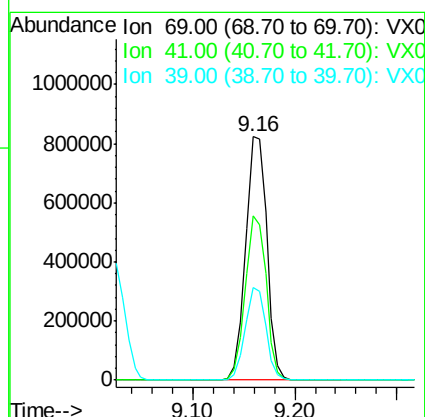
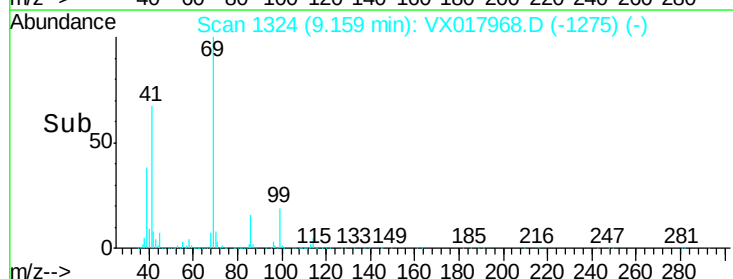
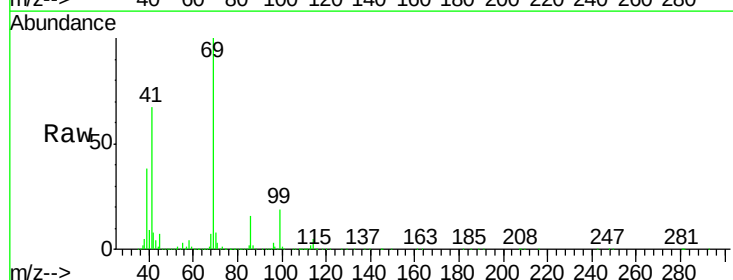
Manual Integrations
 APPROVED

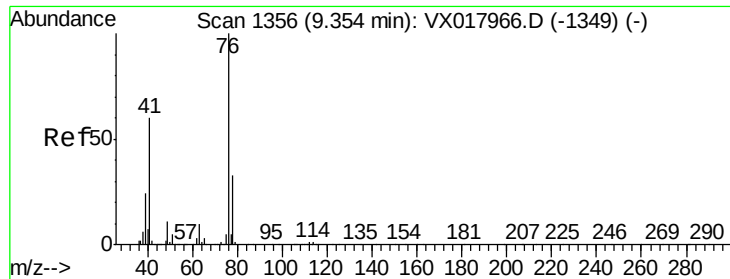
MMDadoda
 8/19/2020 8:53:55 AM



#56
 Ethyl methacrylate
 Concen: 159.718 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX017968.D
 Acq: 18 Aug 2020 19:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		1189465		
41	66.4	52.3	78.5		
39	37.0	29.2	43.8		





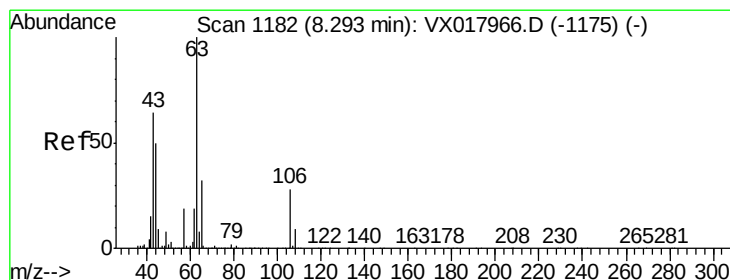
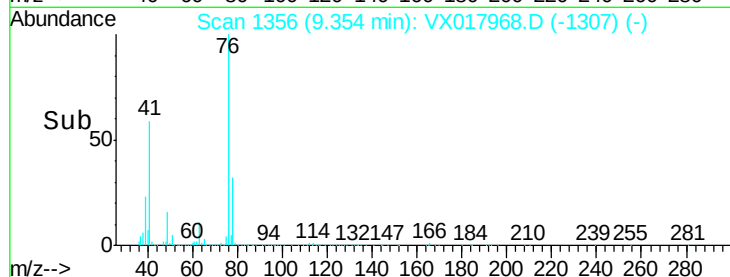
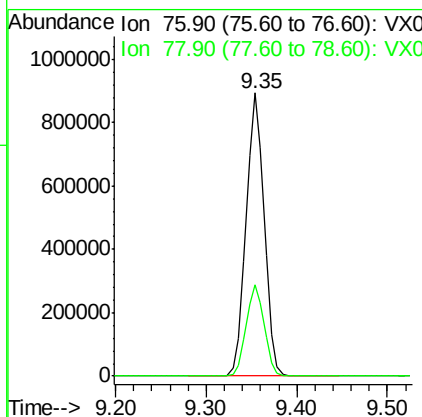
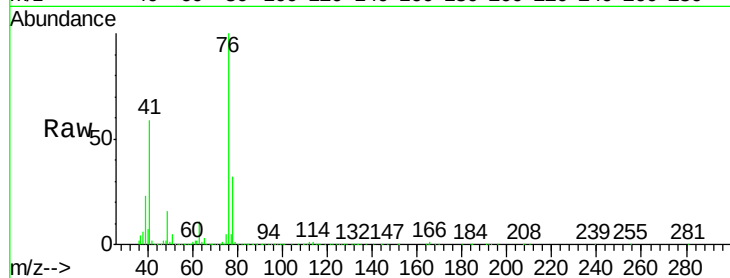
#57
 1,3-Dichloropropane
 Concen: 150.374 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VX017968.D
 Acq: 18 Aug 2020 19:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.4	39.6

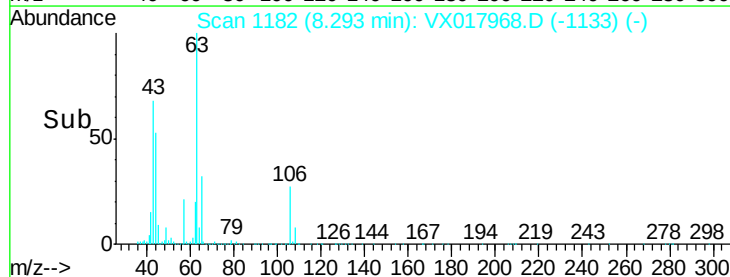
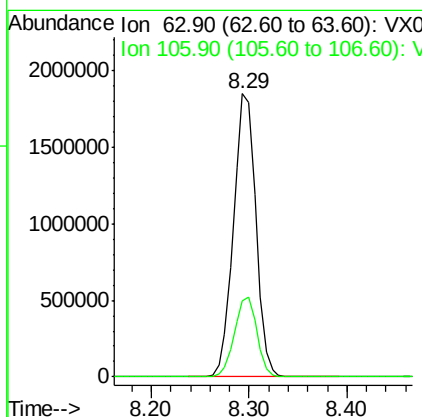
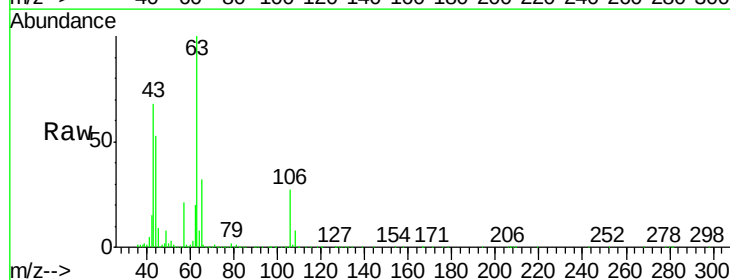
Manual Integrations
 APPROVED

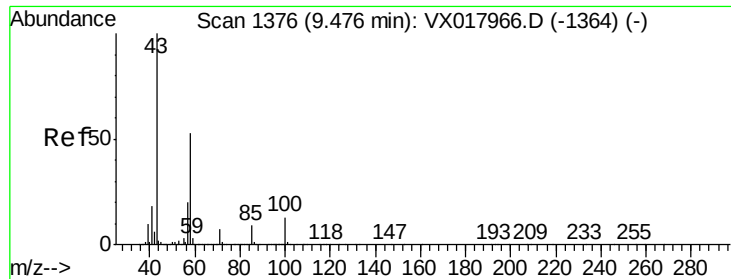
MMDadoda
 8/19/2020 8:53:55 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 762.442 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VX017968.D
 Acq: 18 Aug 2020 19:44

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.3	23.0	34.4





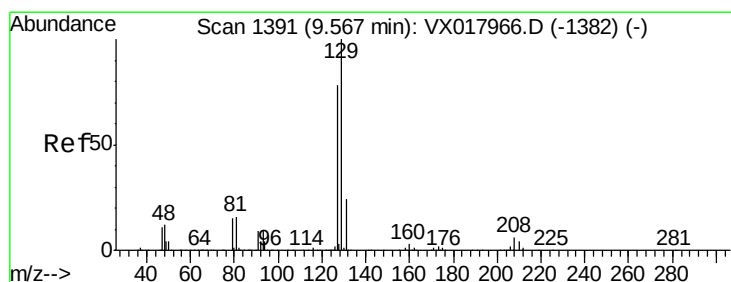
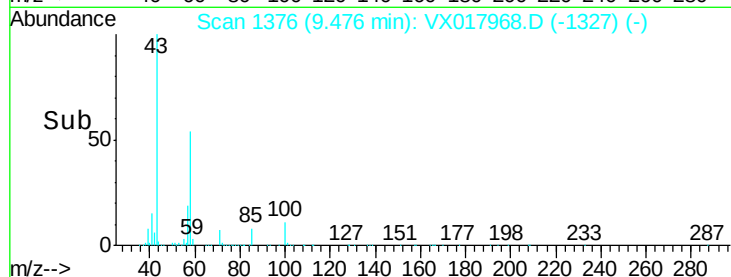
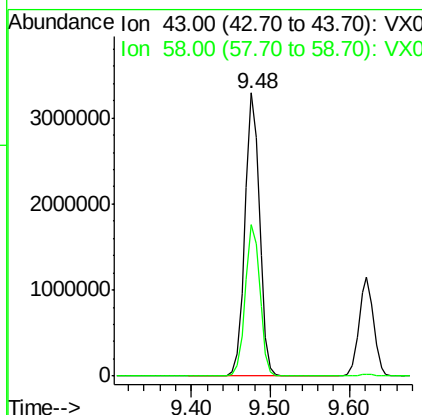
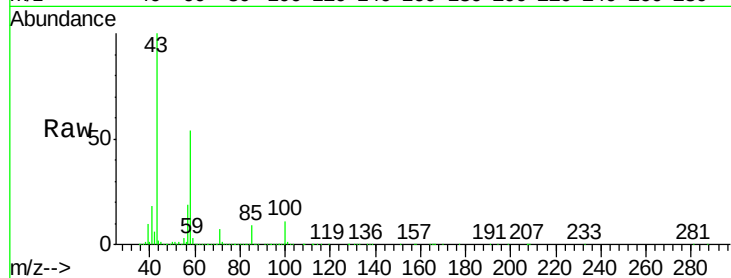
#59
2-Hexanone
Concen: 800.649 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 4219891
Ion Ratio Lower Upper
43 100
58 53.7 26.4 79.0

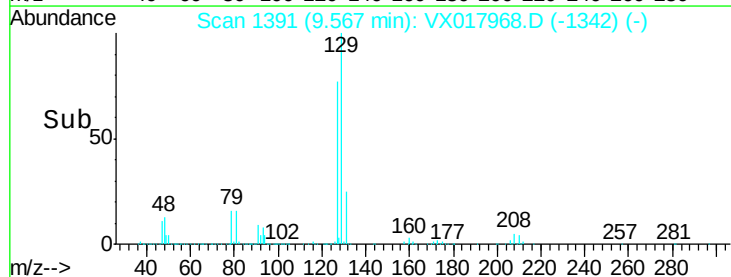
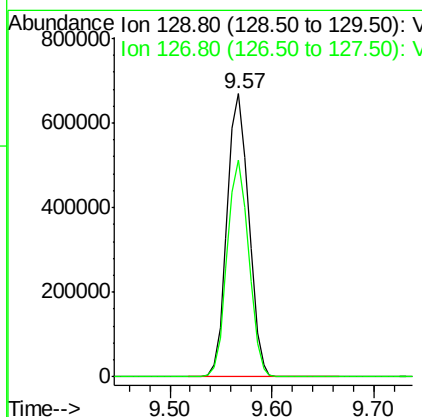
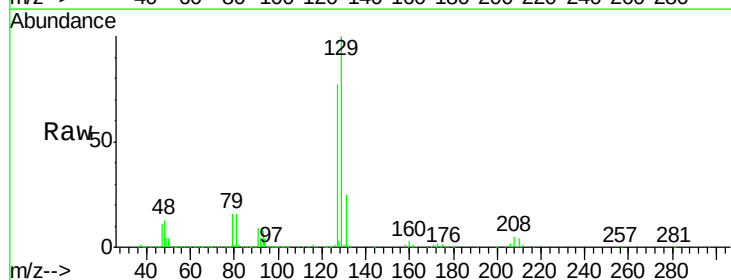
Manual Integrations
APPROVED

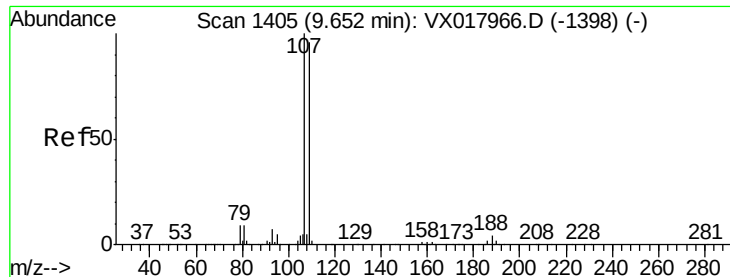
MMDadoda
8/19/2020 8:53:55 AM



#60
Dibromochloromethane
Concen: 156.116 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Tgt Ion: 129 Resp: 988192
Ion Ratio Lower Upper
129 100
127 76.3 39.5 118.3





#61

1,2-Dibromoethane

Concen: 161.023 ug/l

RT: 9.66 min Scan# 1406

Delta R.T. 0.01 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 866117

Ion Ratio Lower Upper

107 100

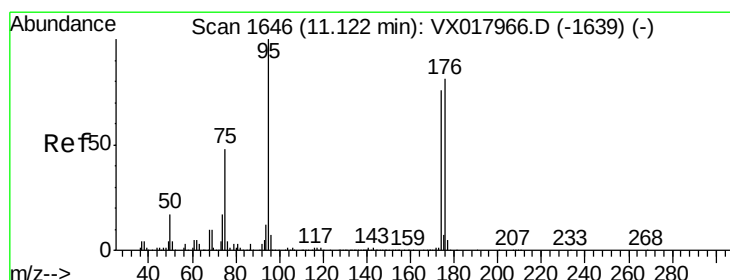
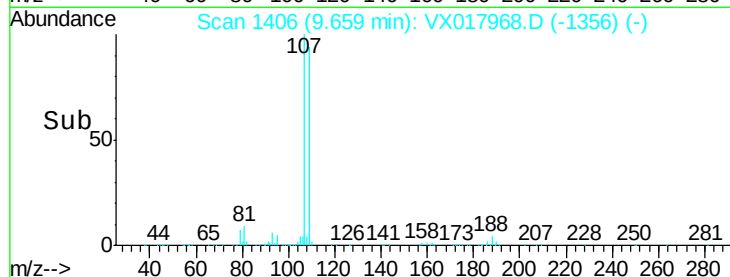
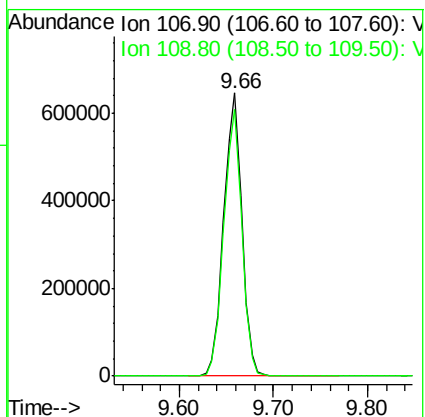
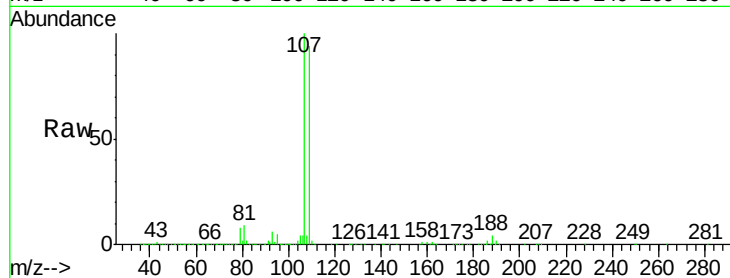
109 93.9 75.5 113.3

Manual Integrations

APPROVED

MMDadoda

8/19/2020 8:53:55 AM



#62

4-Bromofluorobenzene

Concen: 150.858 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

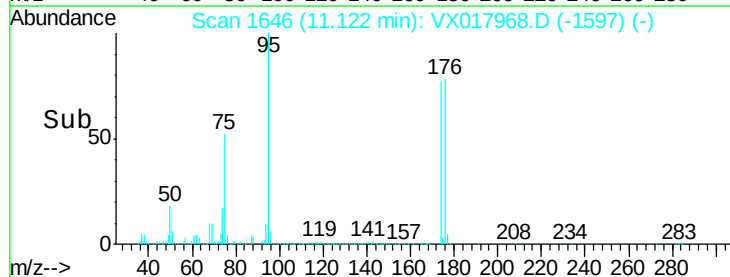
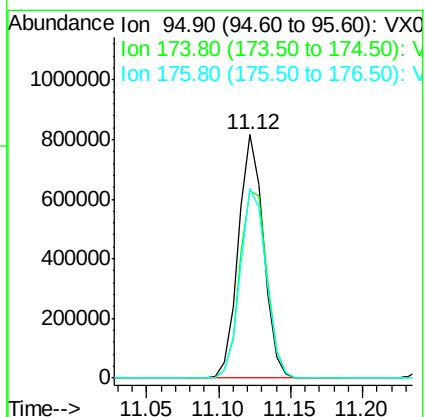
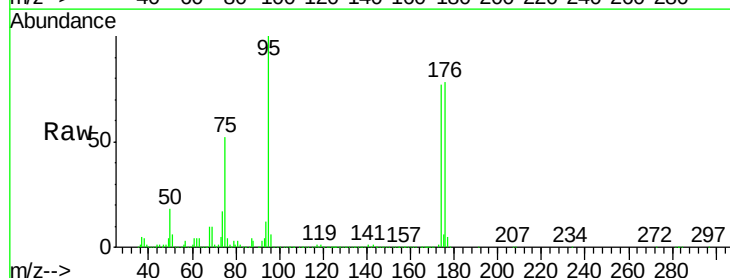
Tgt Ion: 95 Resp: 993402

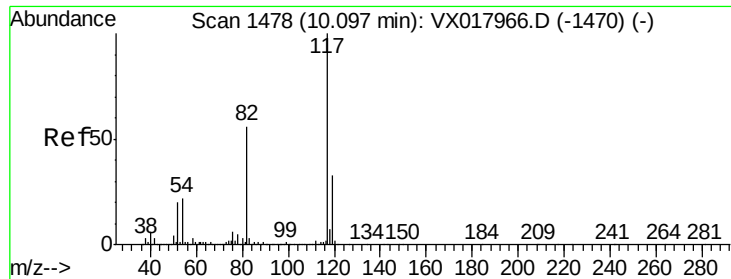
Ion Ratio Lower Upper

95 100

174 83.4 0.0 166.0

176 79.9 0.0 161.0





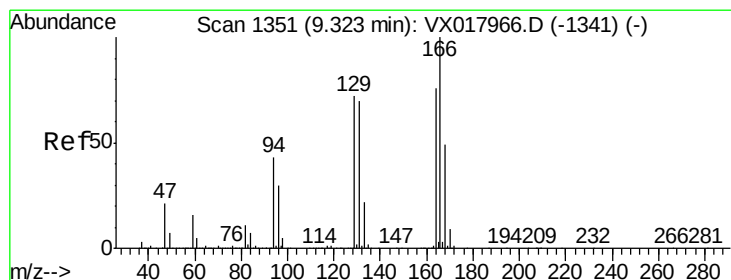
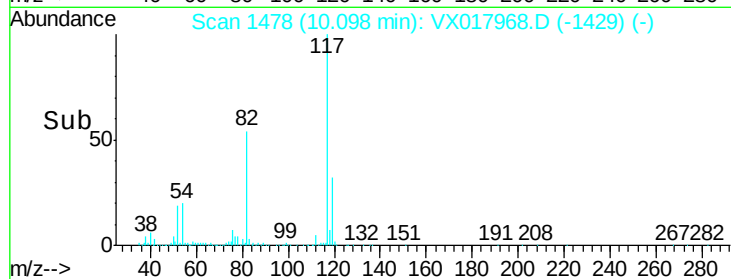
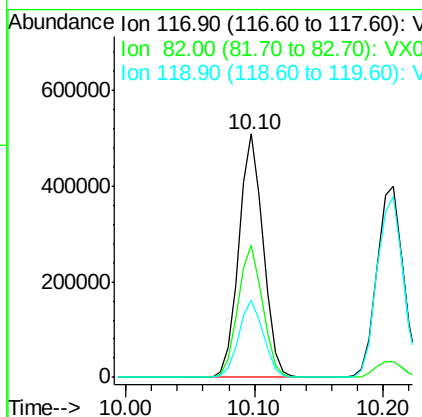
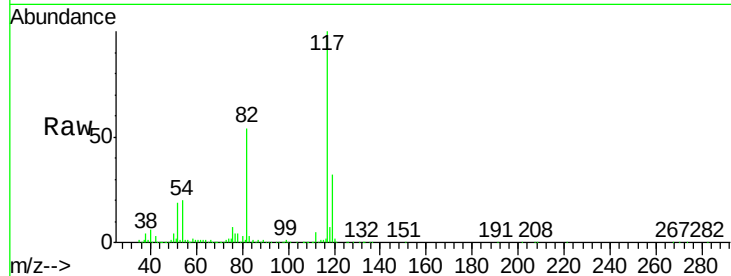
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	664011		
82	54.2	44.6	66.8	
119	31.9	26.2	39.4	

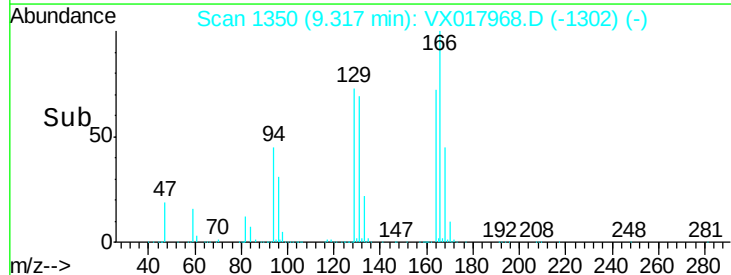
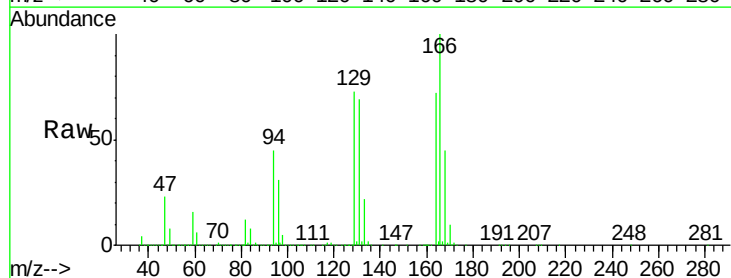
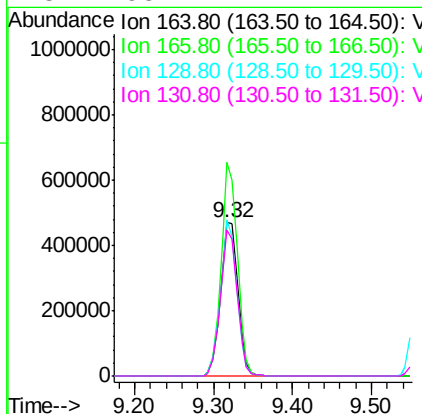
Manual Integrations
APPROVED

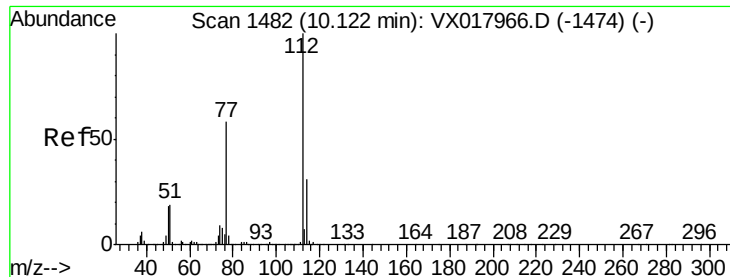
MMDadoda
8/19/2020 8:53:55 AM



#64
Tetrachloroethene
Concen: 124.186 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	723096		
166	139.2	105.7	158.5	
129	102.1	75.8	113.8	
131	95.4	74.2	111.4	





#65

Chlorobenzene

Concen: 139.103 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 1974933

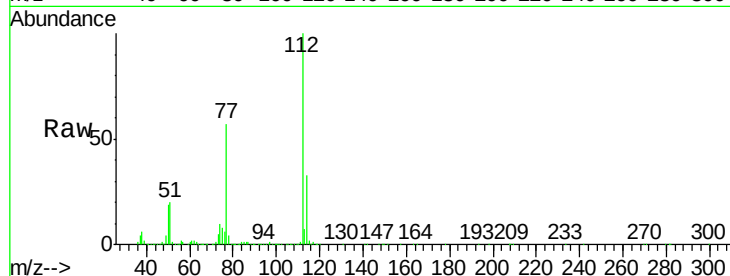
Ion Ratio Lower Upper

112 100

114 33.0 25.0 37.6

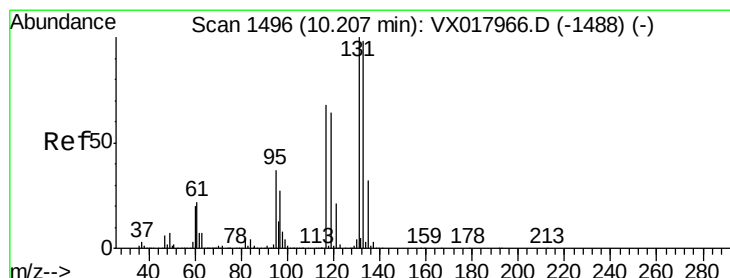
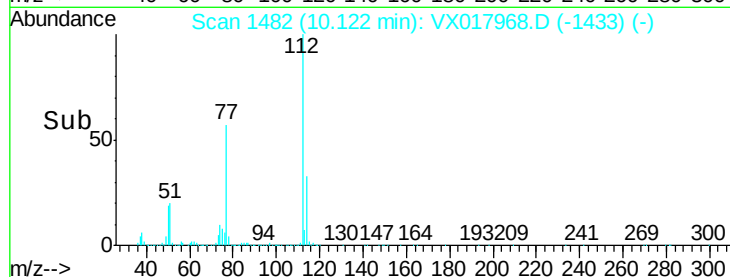
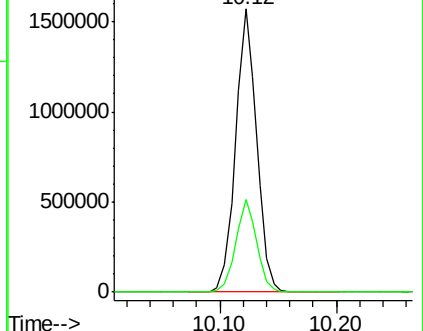
Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:55 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 149.636 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

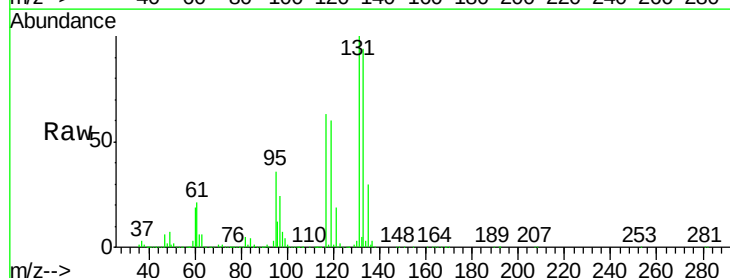
Tgt Ion:131 Resp: 861664

Ion Ratio Lower Upper

131 100

133 94.6 48.4 145.3

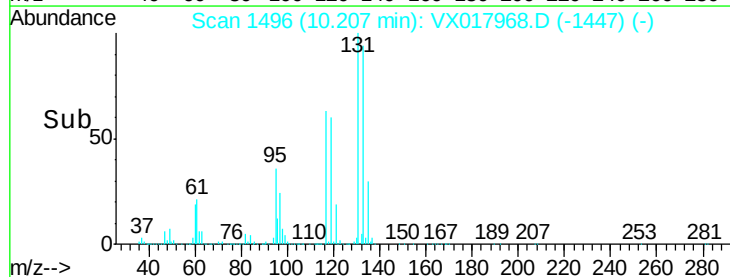
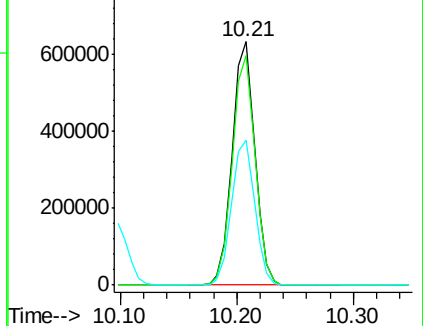
119 61.2 31.6 94.8

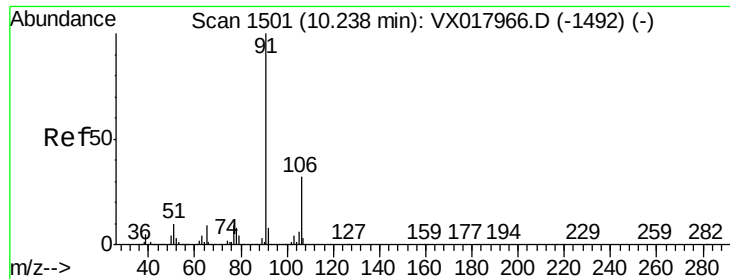


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





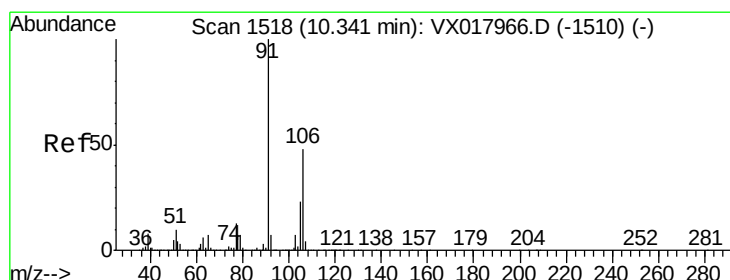
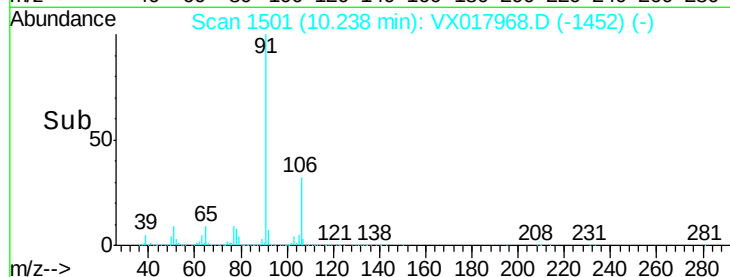
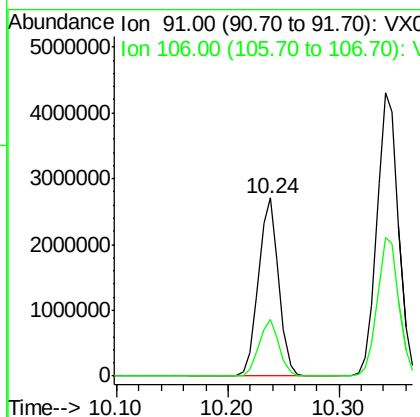
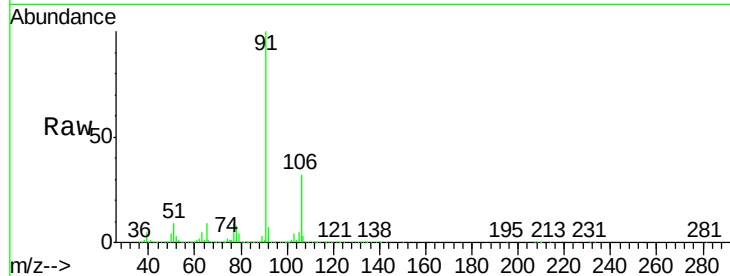
#67
Ethyl Benzene
Concen: 145.286 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.00 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 3425906
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.0

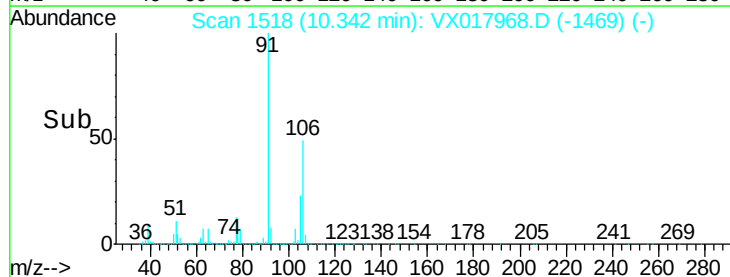
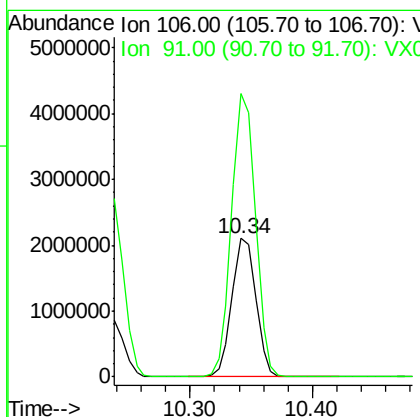
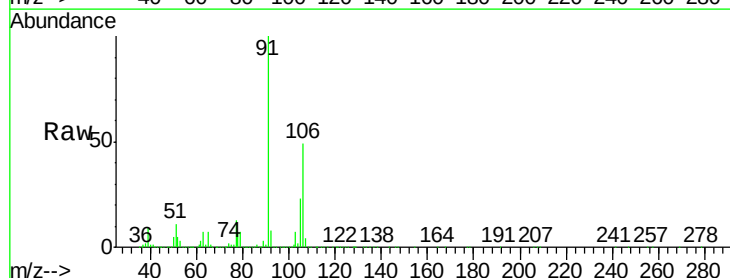
Manual Integrations
APPROVED

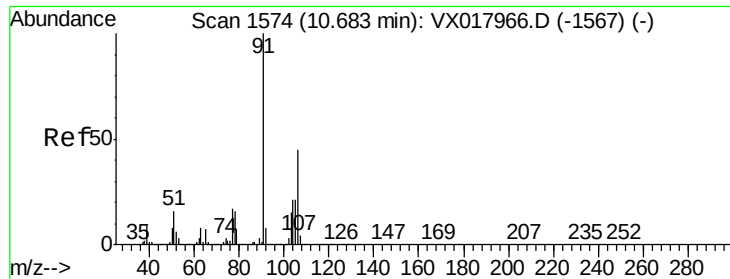
MMDadoda
8/19/2020 8:53:55 AM



#68
m/p-Xylenes
Concen: 313.777 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Tgt Ion: 106 Resp: 2844847
Ion Ratio Lower Upper
106 100
91 204.1 167.4 251.2





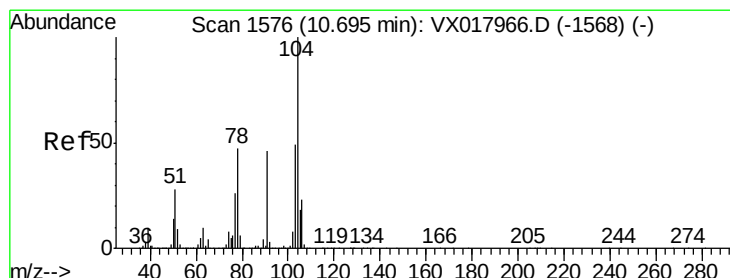
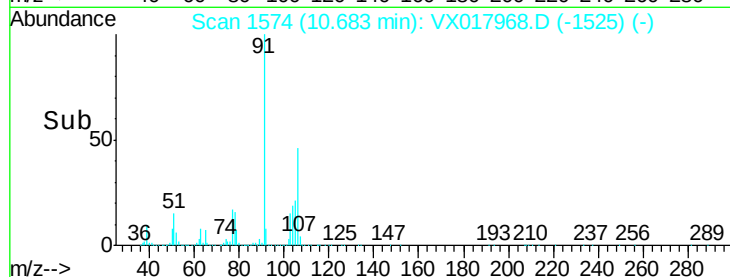
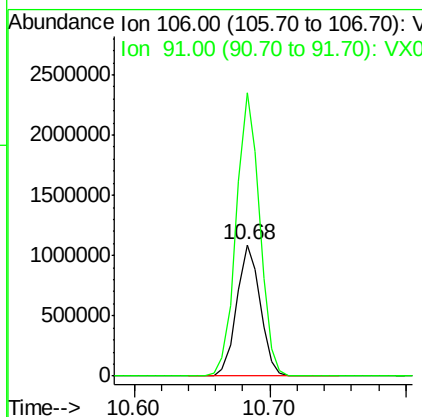
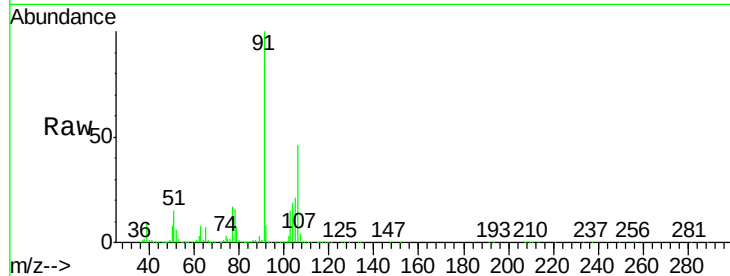
#69
o-Xylene
Concen: 149.489 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 1309449
Ion Ratio Lower Upper
106 100
91 214.9 108.1 324.2

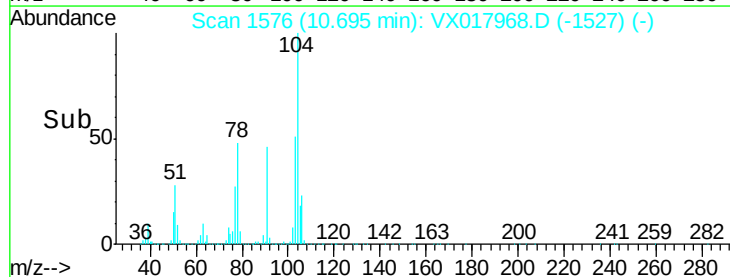
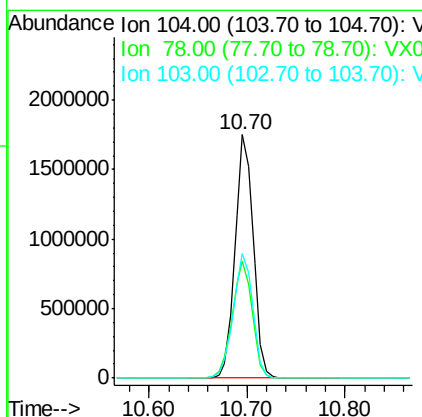
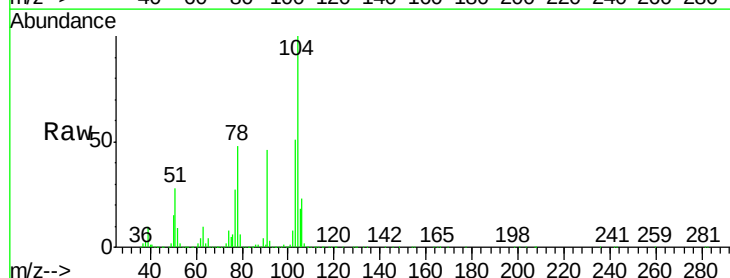
Manual Integrations
APPROVED

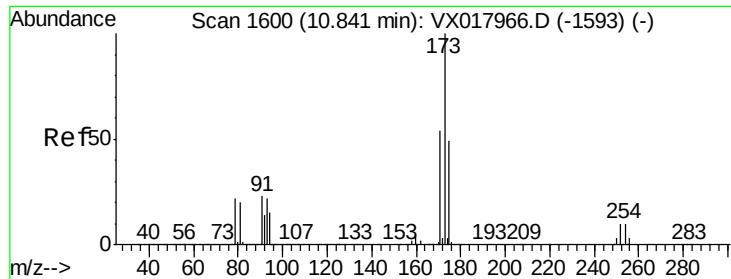
MMDadoda
8/19/2020 8:53:55 AM



#70
Styrene
Concen: 151.192 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Tgt Ion:104 Resp: 2258196
Ion Ratio Lower Upper
104 100
78 52.7 41.3 61.9
103 55.2 42.9 64.3





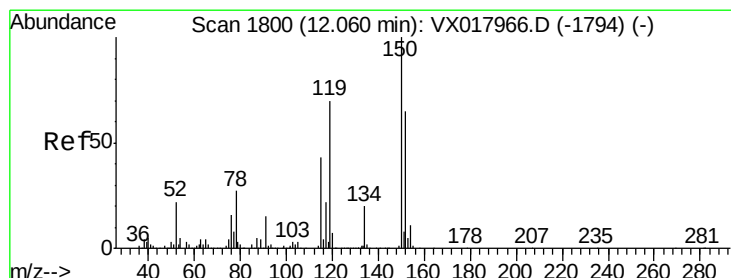
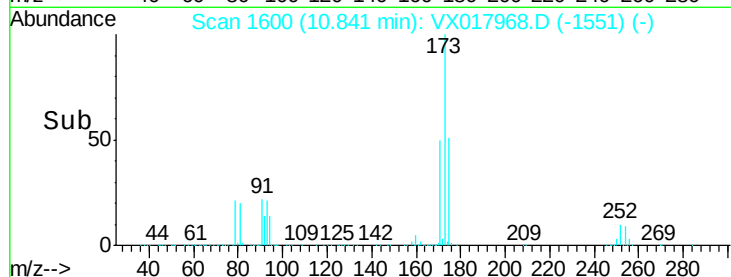
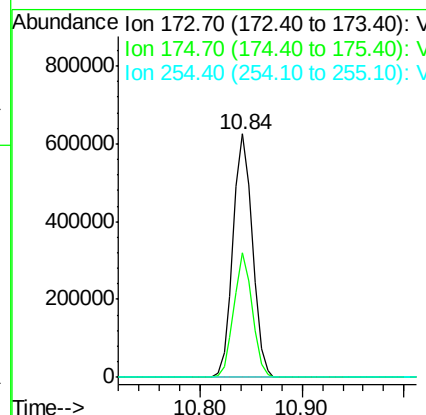
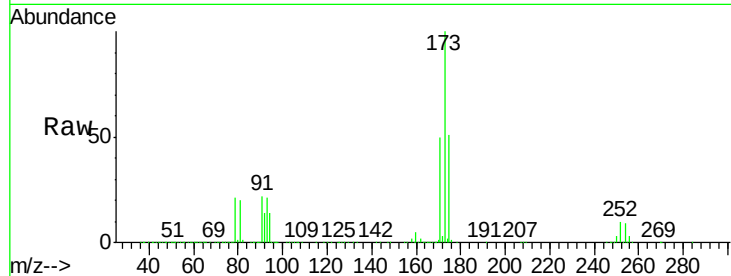
#71
Bromoform
Concen: 164.271 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.4	73.2
254	0.1	0.2	0.2

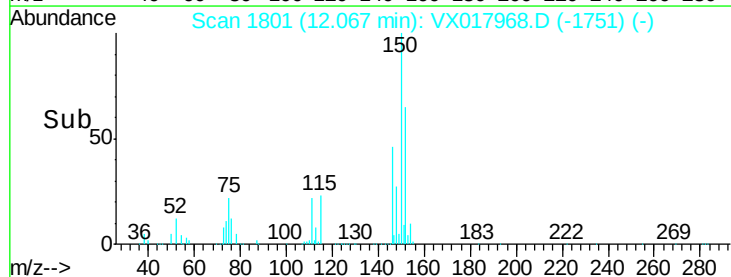
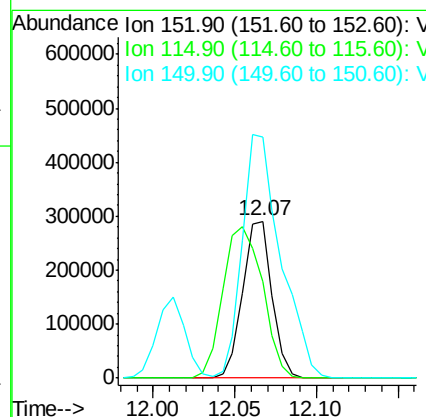
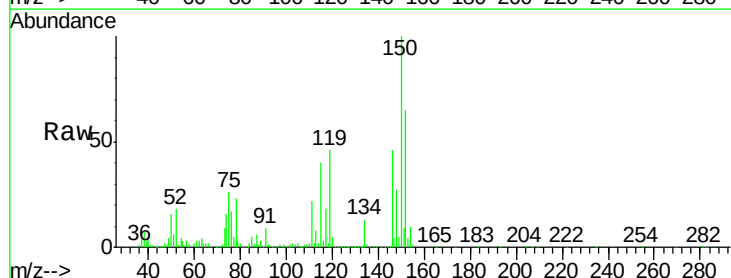
Manual Integrations
APPROVED

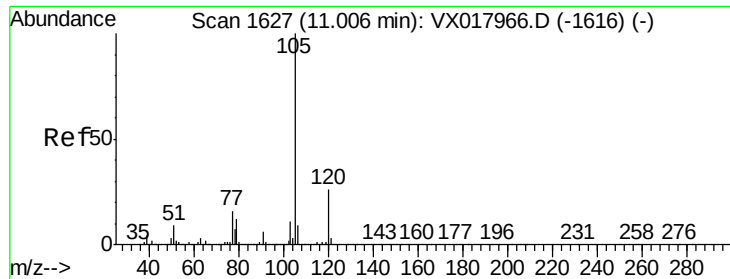
MMDadoda
8/19/2020 8:53:55 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1801
Delta R.T. 0.01 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	131.1	40.6	121.7
150	203.4	0.0	346.4





#73

Isopropylbenzene

Concen: 143.924 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3576315

Ion Ratio Lower Upper

105 100

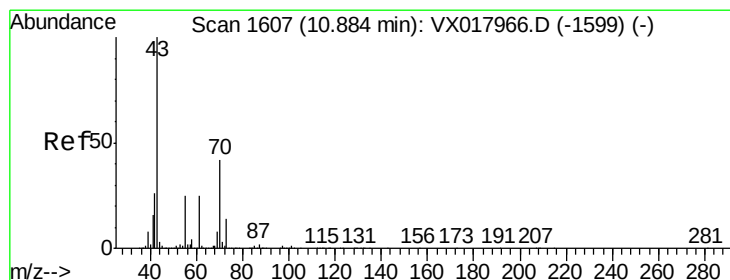
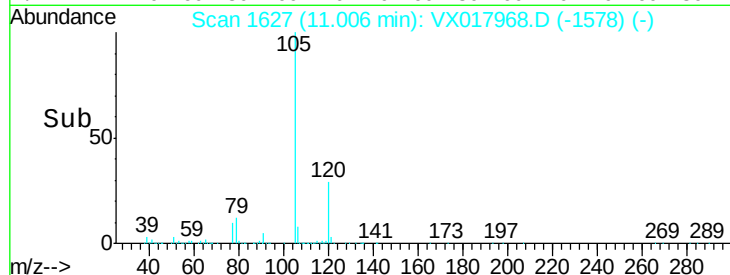
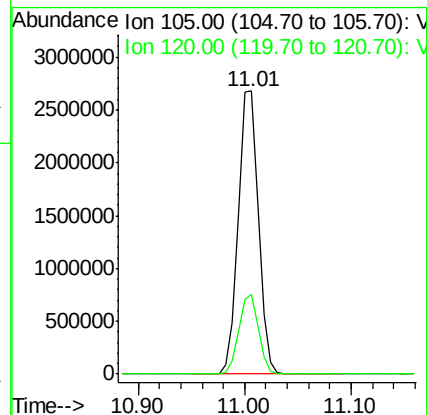
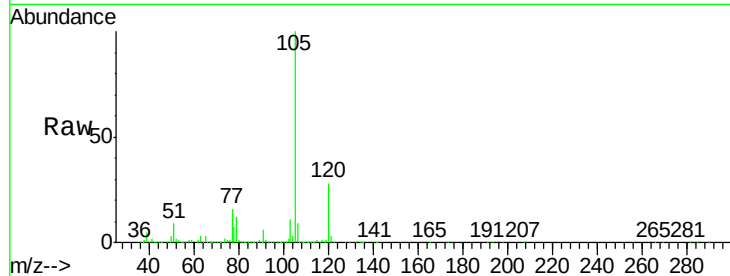
120 27.4 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

8/19/2020 8:53:55 AM



#74

N-amyl acetate

Concen: 157.385 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

Tgt Ion: 43 Resp: 1713567

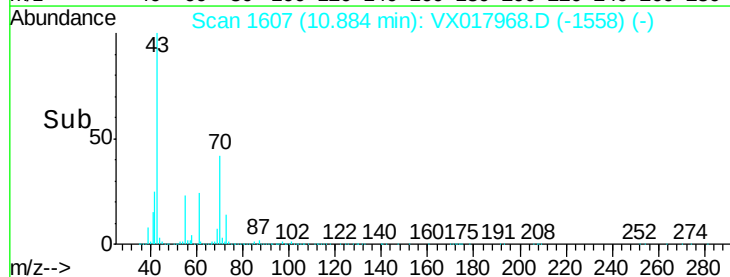
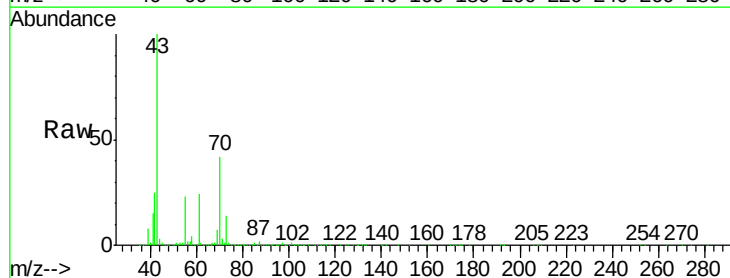
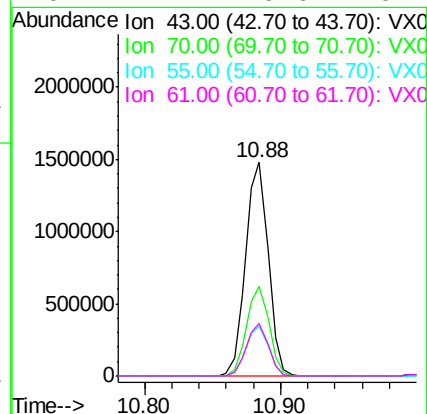
Ion Ratio Lower Upper

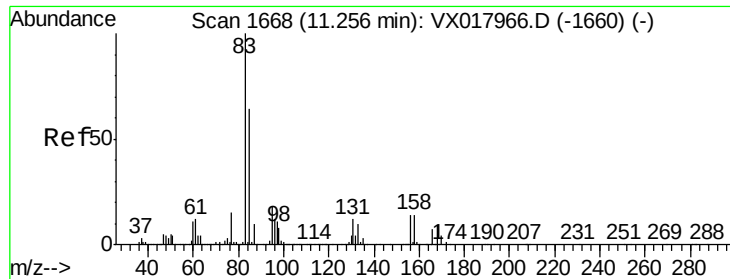
43 100

70 41.7 32.9 49.3

55 23.3 19.3 28.9

61 24.1 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 158.790 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1254491

Ion Ratio Lower Upper

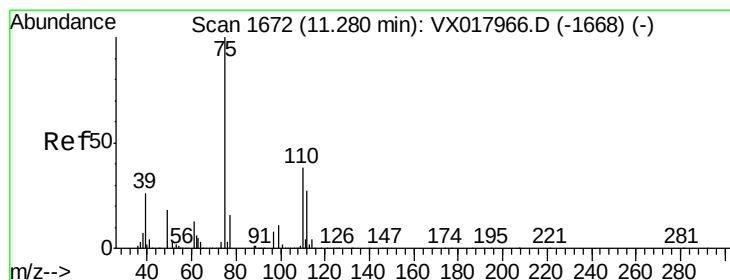
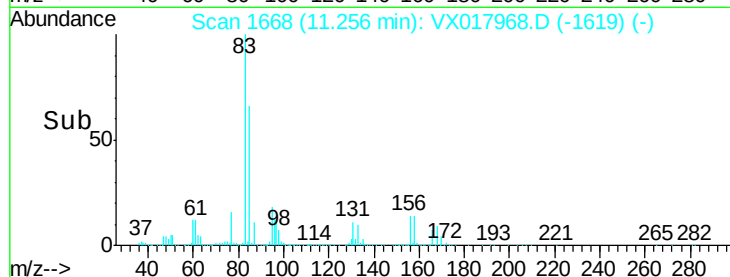
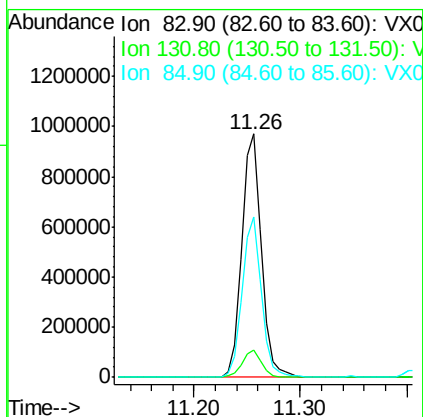
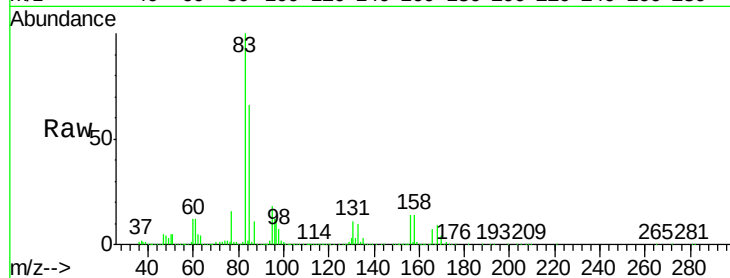
83 100

131 11.0 5.7 17.0

85 64.9 32.2 96.6

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:55 AM



#76

1,2,3-Trichloropropane

Concen: 152.751 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX017968.D

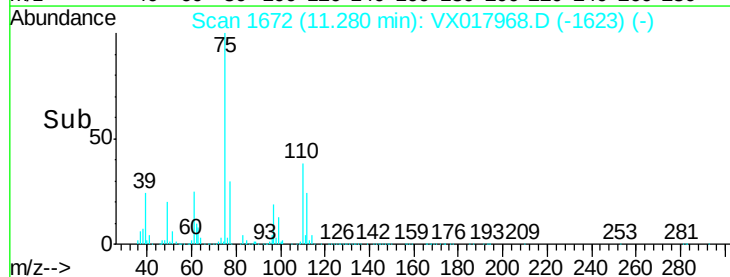
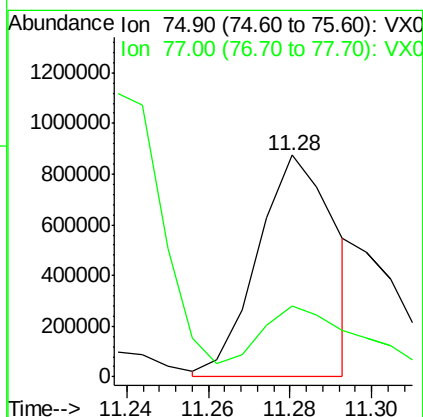
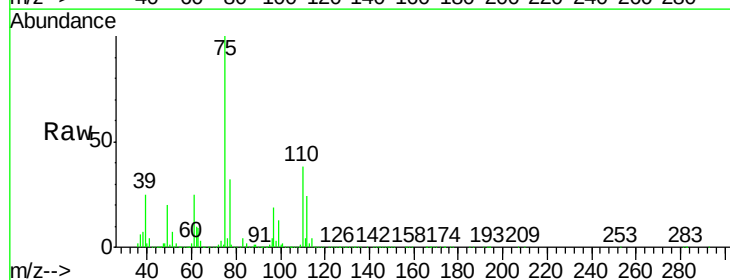
Acq: 18 Aug 2020 19:44

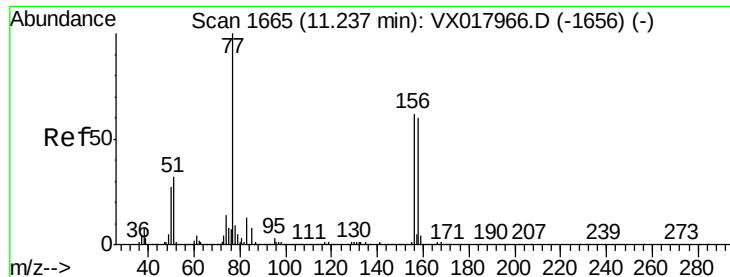
Tgt Ion: 75 Resp: 1146217

Ion Ratio Lower Upper

75 100

77 43.3 21.1 63.1





#77

Bromobenzene

Concen: 134.568 ug/l

RT: 11.24 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

Instrument :

MSVOA_X

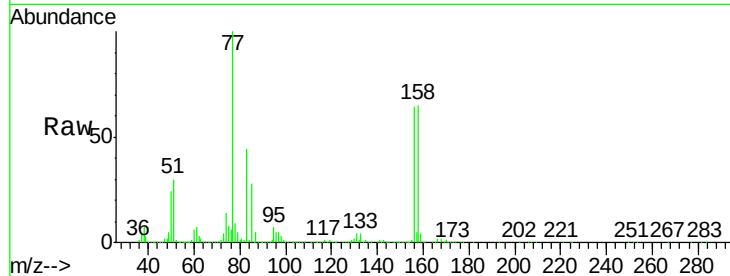
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	935372
Ion Ratio	Lower	Upper	
156	100		
77	158.1	78.0	234.0
158	99.6	49.2	147.6

Manual Integrations
APPROVED

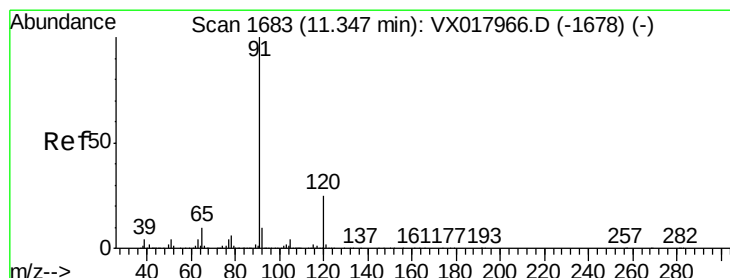
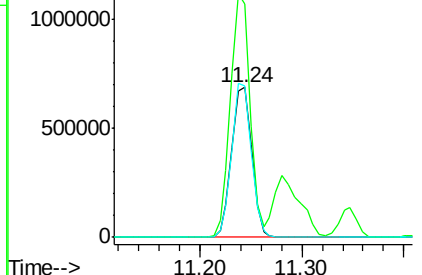
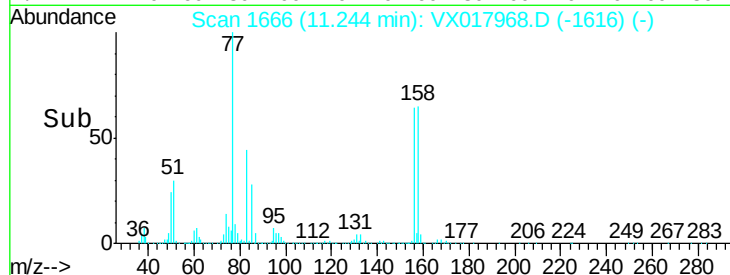
MMDadoda
8/19/2020 8:53:55 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 146.731 ug/l

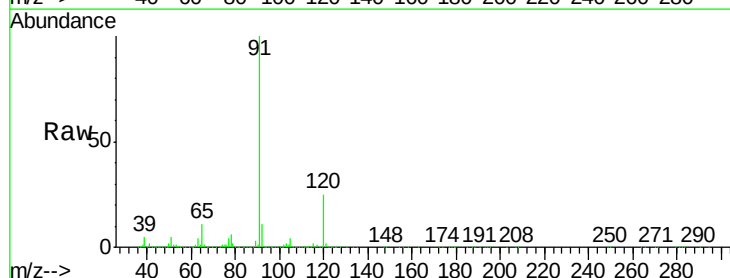
RT: 11.35 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VX017968.D

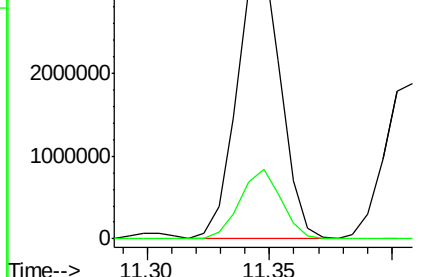
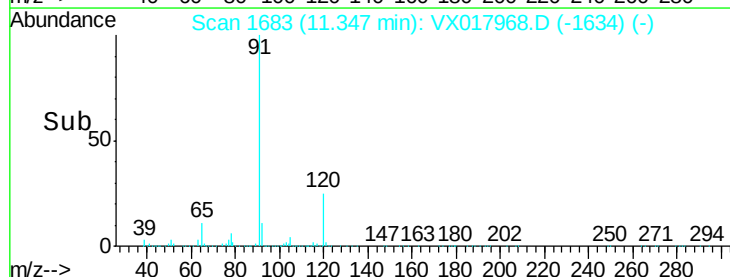
Acq: 18 Aug 2020 19:44

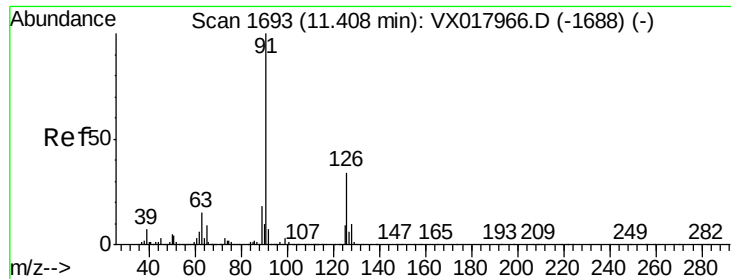
Tgt Ion:	91	Resp:	4130639
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.0	36.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





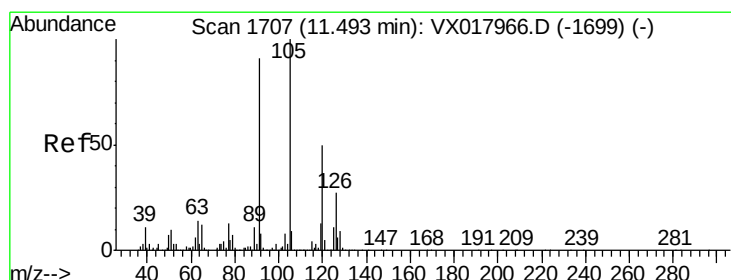
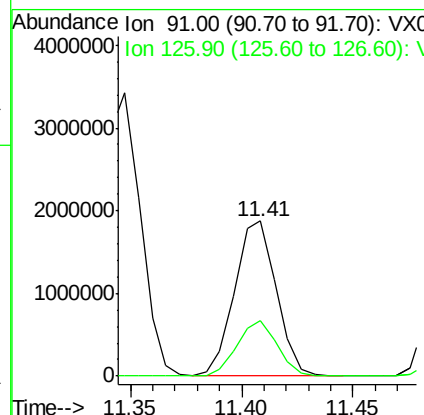
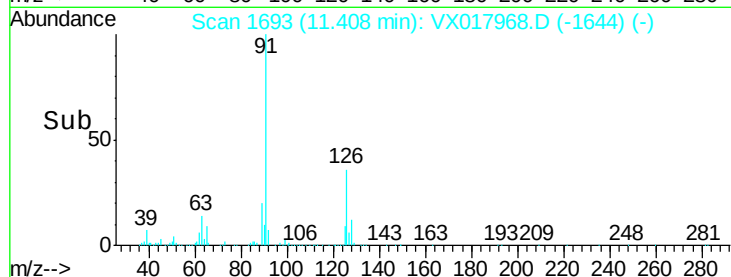
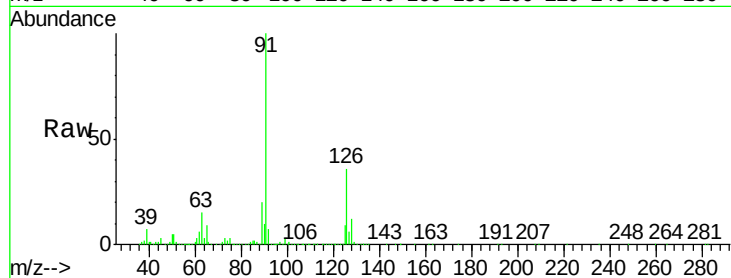
#79
2-Chlorotoluene
Concen: 140.040 ug/l
RT: 11.41 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2438331
Ion Ratio Lower Upper
91 100
126 34.8 17.1 51.2

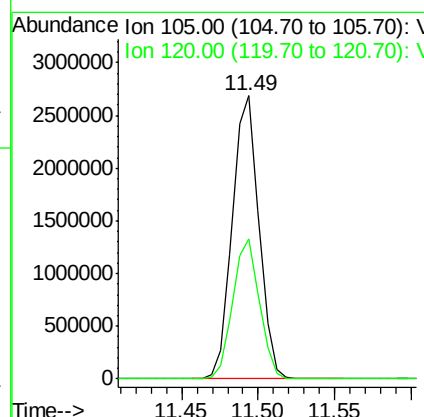
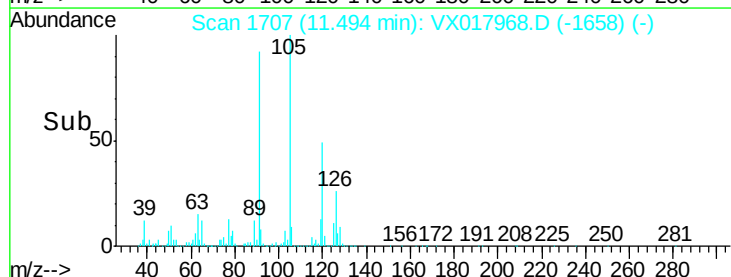
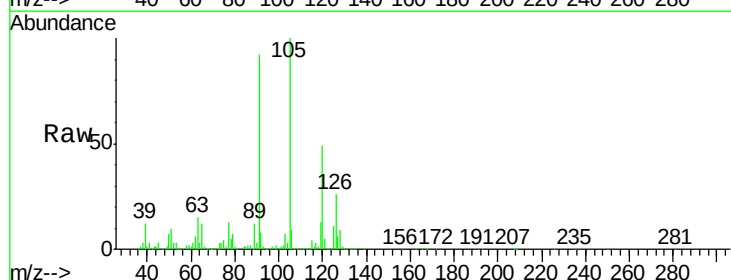
Manual Integrations
APPROVED

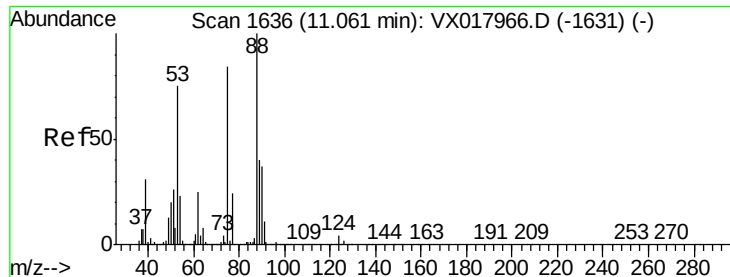
MMDadoda
8/19/2020 8:53:55 AM



#80
1,3,5-Trimethylbenzene
Concen: 153.090 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Tgt Ion: 105 Resp: 3238014
Ion Ratio Lower Upper
105 100
120 49.2 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 151.207 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 450764

Ion Ratio Lower Upper

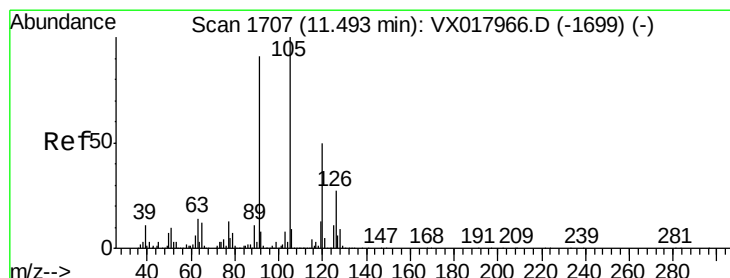
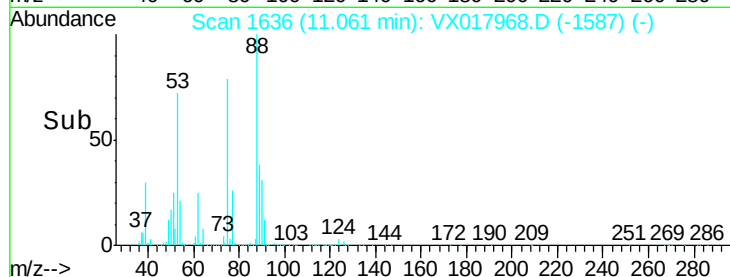
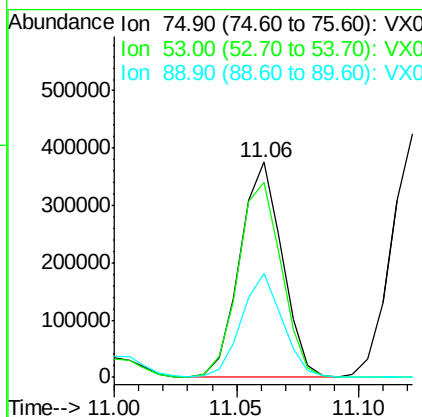
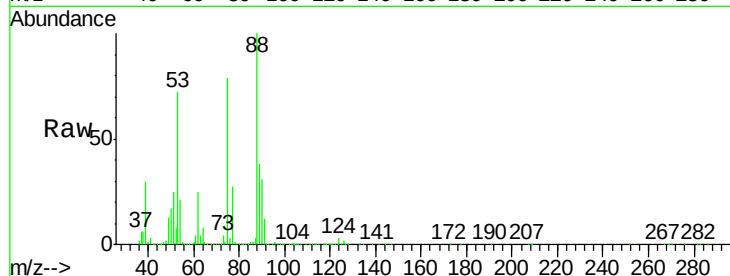
75 100

53 93.2 75.2 112.8

89 47.1 38.4 57.6

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:55 AM



#82

4-Chlorotoluene

Concen: 148.243 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX017968.D

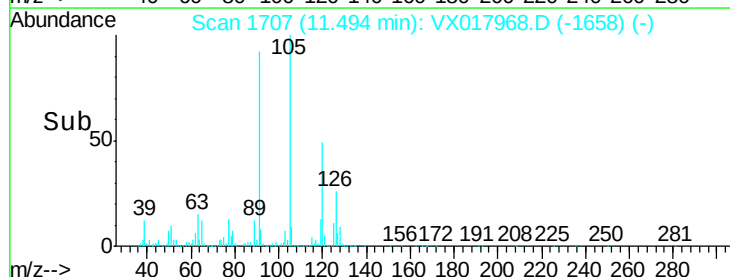
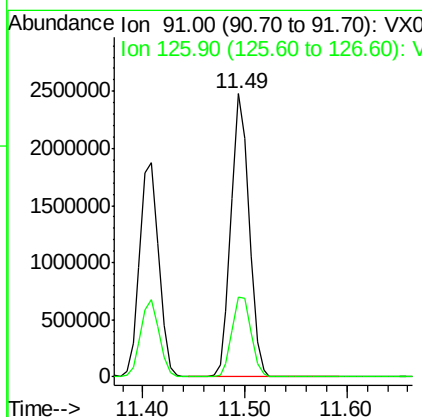
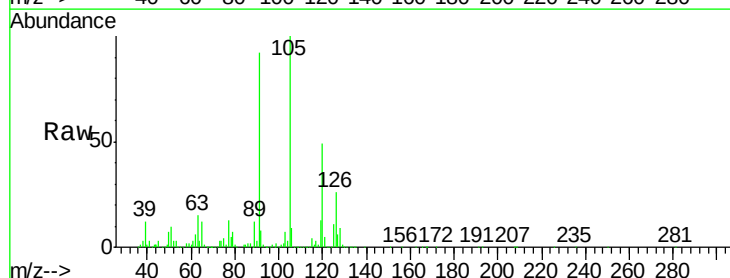
Acq: 18 Aug 2020 19:44

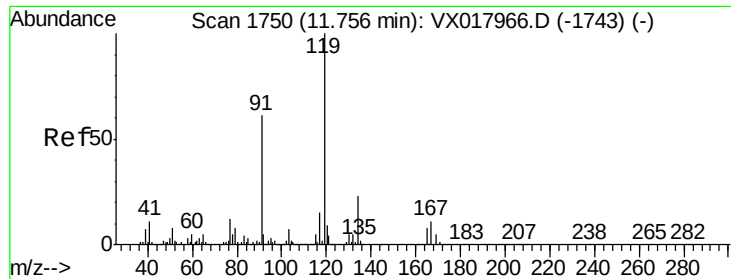
Tgt Ion: 91 Resp: 3022986

Ion Ratio Lower Upper

91 100

126 29.8 15.0 45.0





#83

tert-Butylbenzene

Concen: 145.466 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp: 2932026

Ion Ratio Lower Upper

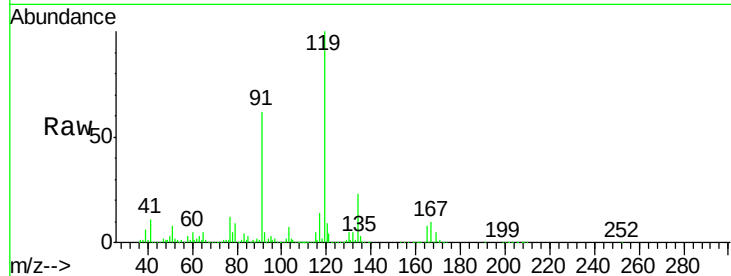
119 100

91 58.2 30.1 90.5

134 22.4 11.1 33.1

Manual Integrations
APPROVED

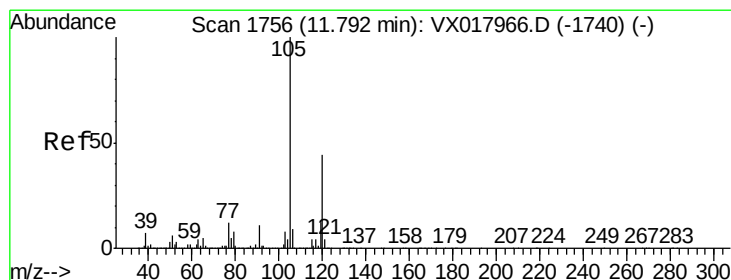
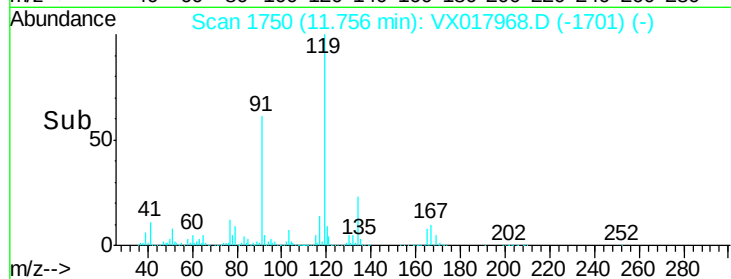
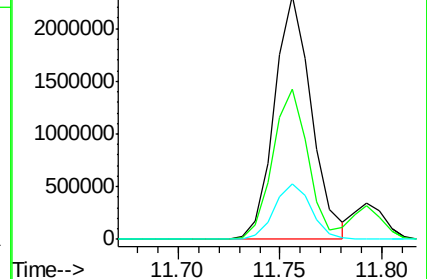
MMDadoda
8/19/2020 8:53:55 AM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 157.765 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX017968.D

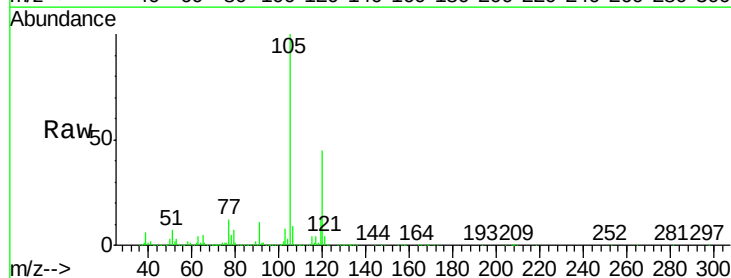
Acq: 18 Aug 2020 19:44

Tgt Ion:105 Resp: 3372375

Ion Ratio Lower Upper

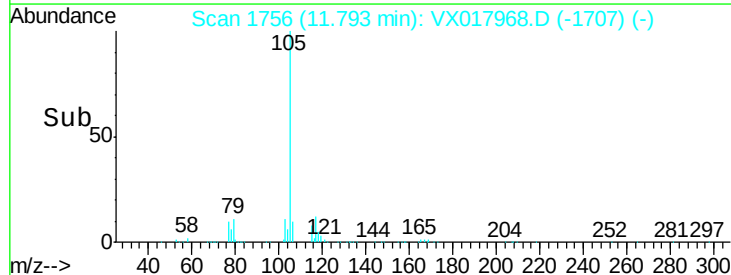
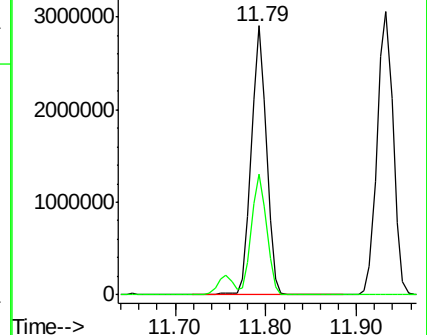
105 100

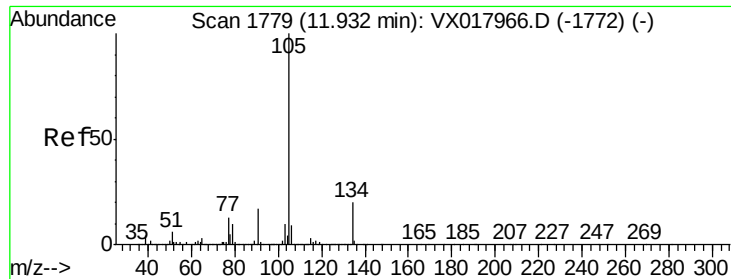
120 45.3 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 159.008 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3762735

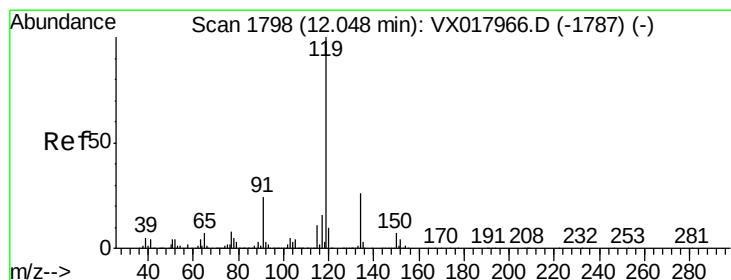
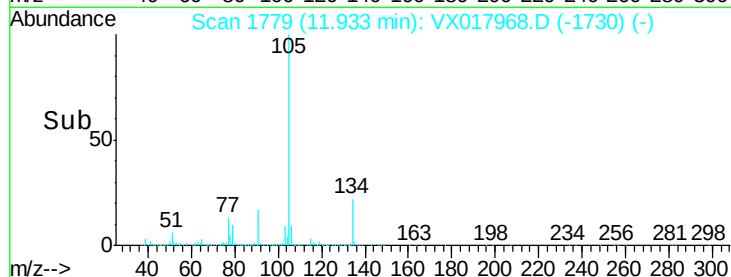
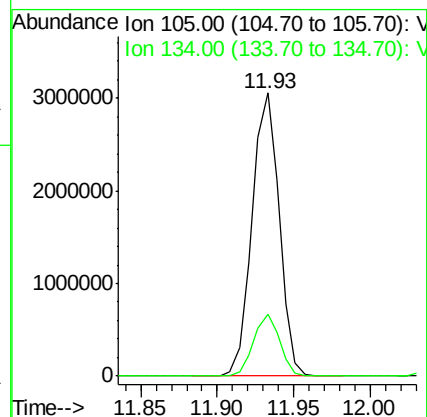
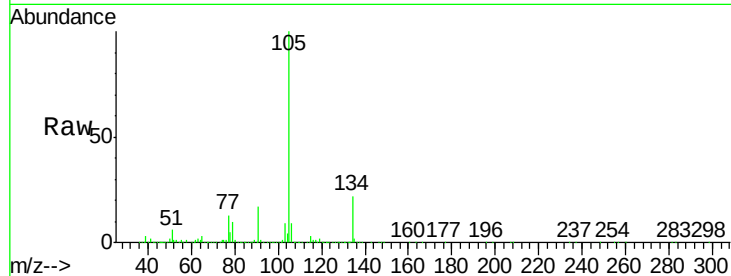
Ion Ratio Lower Upper

105 100

134 21.0 10.3 30.9

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:55 AM



#86

p-Isopropyltoluene

Concen: 153.459 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX017968.D

Acq: 18 Aug 2020 19:44

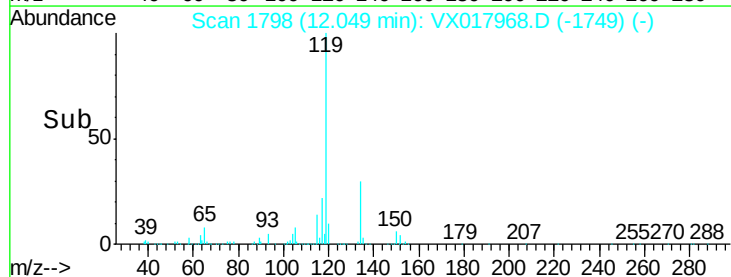
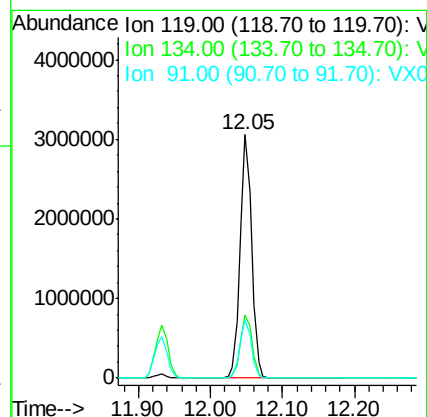
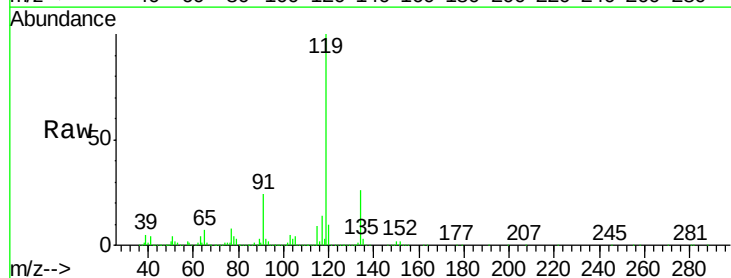
Tgt Ion:119 Resp: 3448308

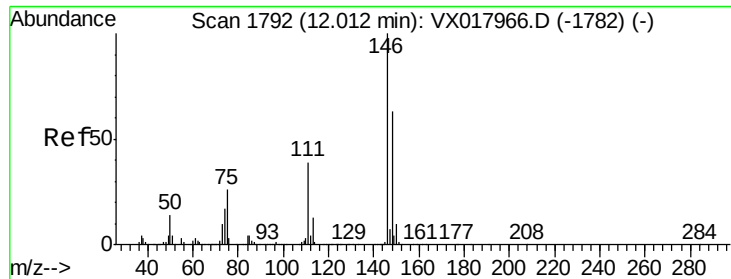
Ion Ratio Lower Upper

119 100

134 26.5 12.7 38.0

91 24.2 12.2 36.4





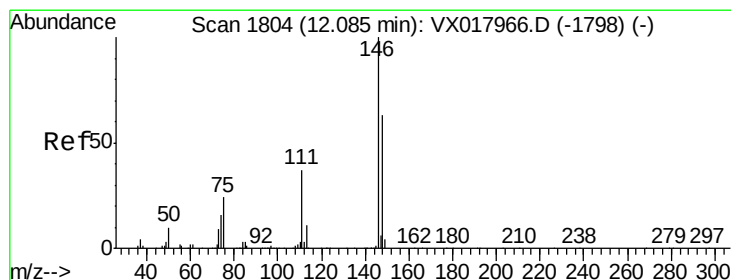
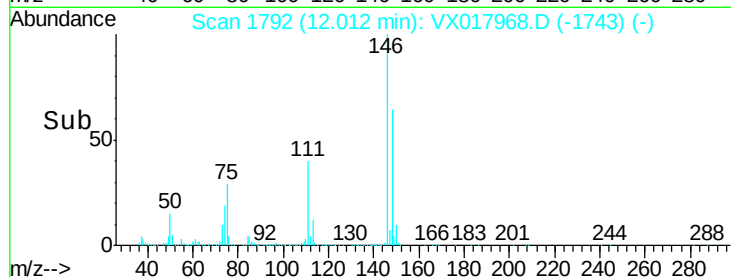
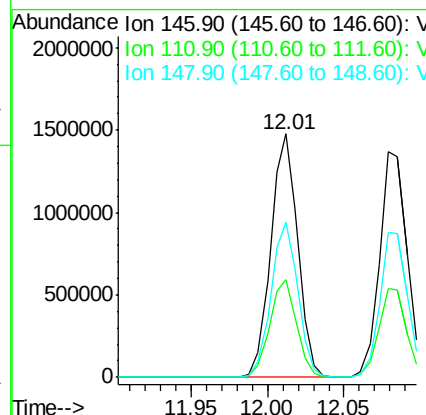
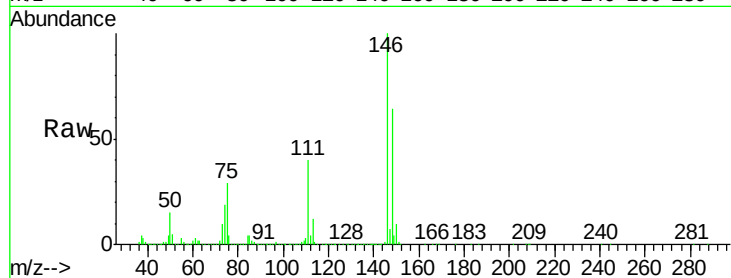
#87
 1,3-Dichlorobenzene
 Concen: 152.675 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX017968.D
 Acq: 18 Aug 2020 19:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.1	60.3
148	63.5	31.6	95.0

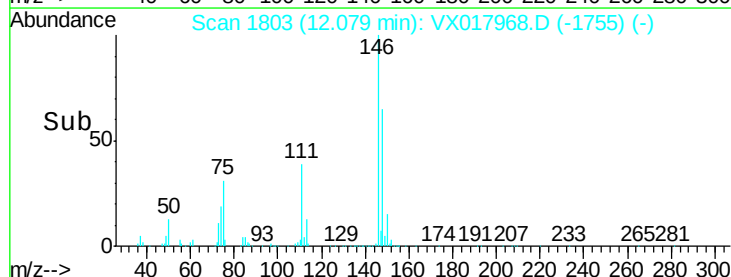
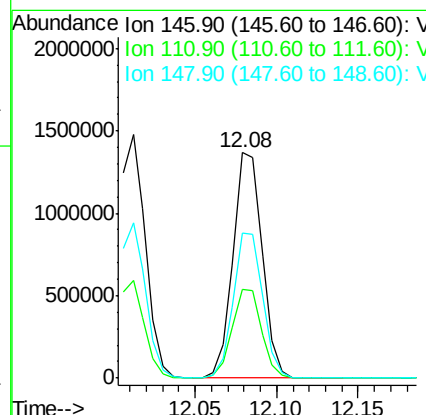
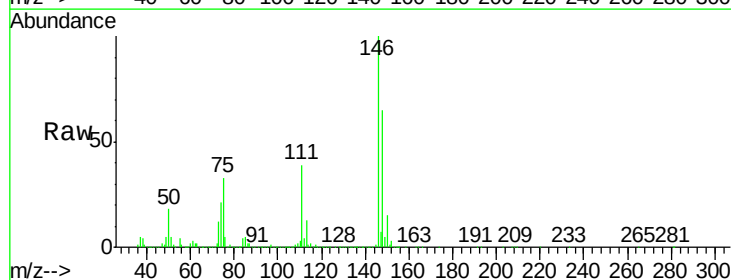
Manual Integrations
 APPROVED

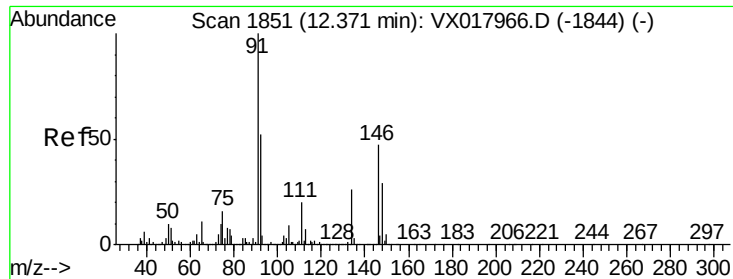
MMDadoda
 8/19/2020 8:53:55 AM



#88
 1,4-Dichlorobenzene
 Concen: 137.787 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX017968.D
 Acq: 18 Aug 2020 19:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.7	59.1
148	65.1	31.9	95.7





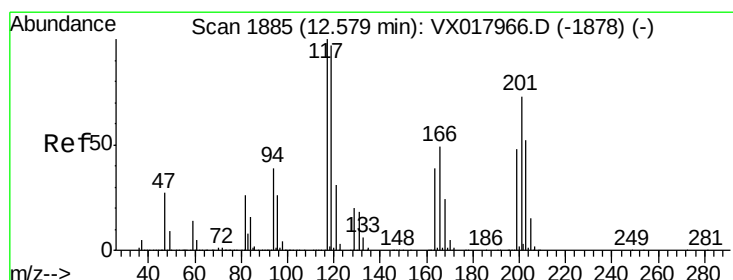
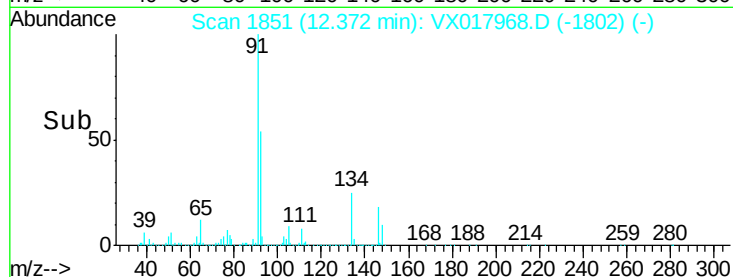
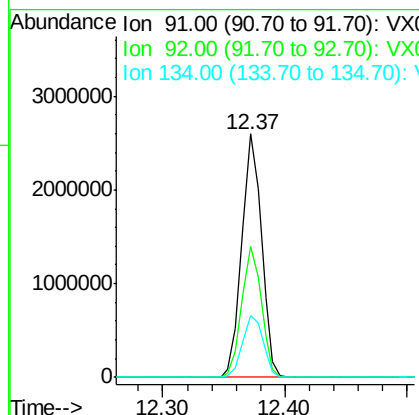
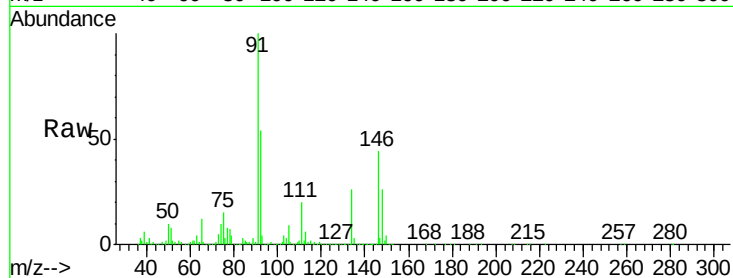
#89
n-Butylbenzene
Concen: 145.420 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2892883
Ion Ratio Lower Upper
91 100
92 53.5 25.7 77.0
134 26.6 13.4 40.2

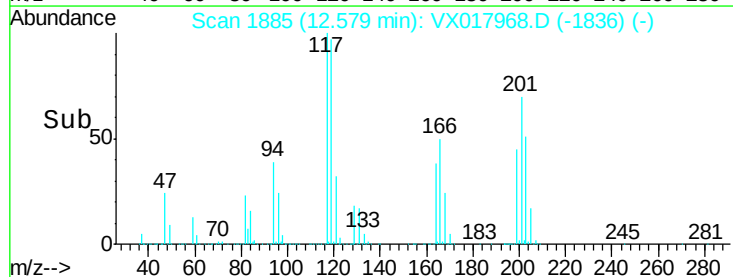
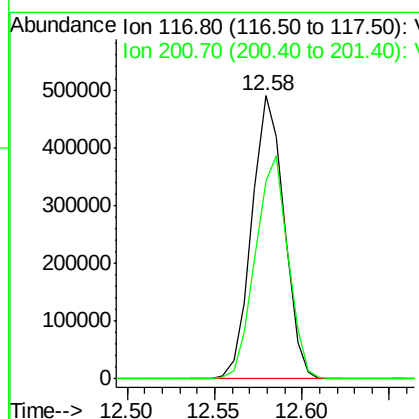
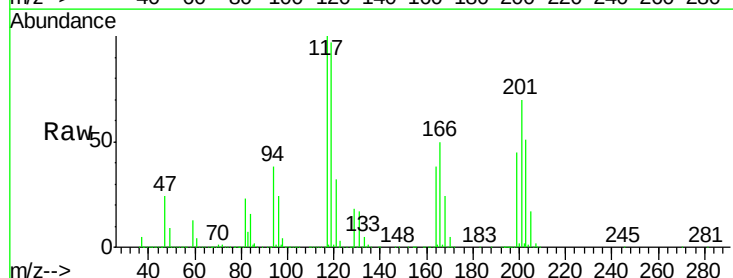
Manual Integrations
APPROVED

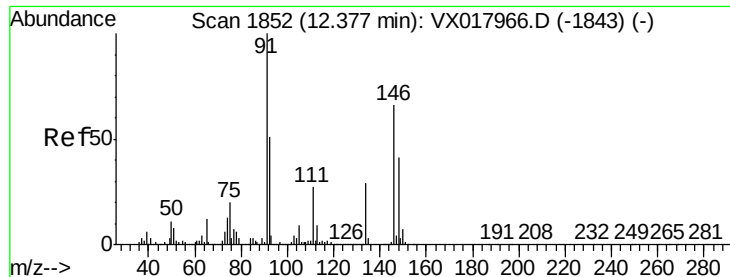
MMDadoda
8/19/2020 8:53:55 AM



#90
Hexachloroethane
Concen: 141.108 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Tgt Ion: 117 Resp: 628138
Ion Ratio Lower Upper
117 100
201 79.8 40.8 122.2





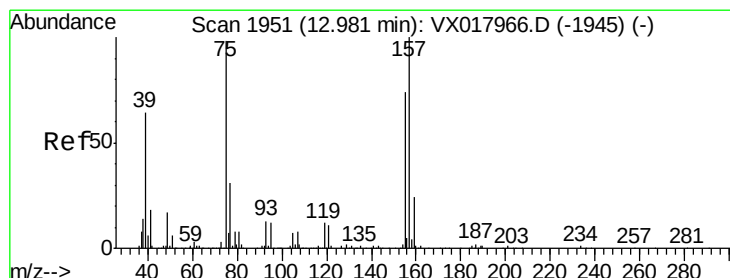
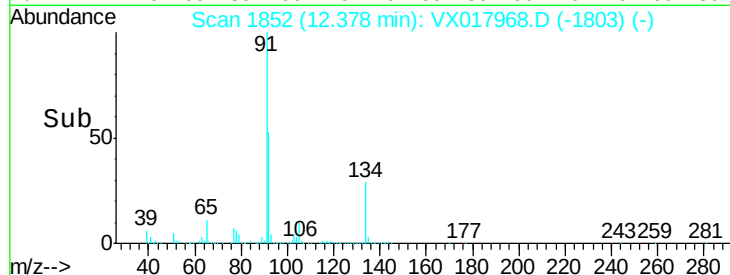
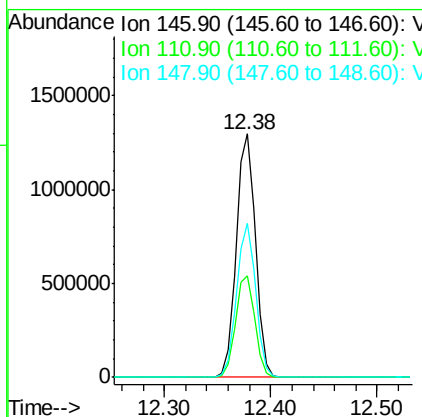
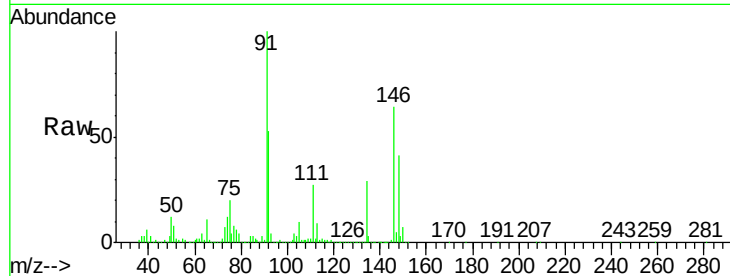
#91
 1,2-Dichlorobenzene
 Concen: 139.691 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX017968.D
 Acq: 18 Aug 2020 19:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.6	61.9
148	63.2	31.2	93.6

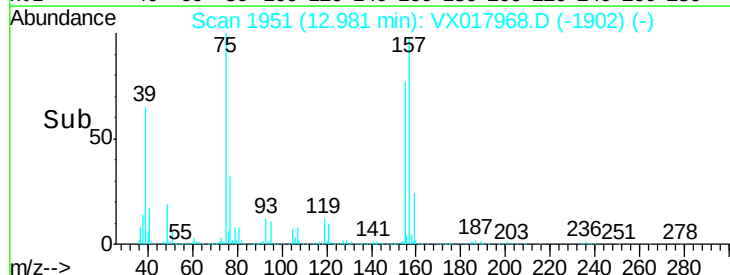
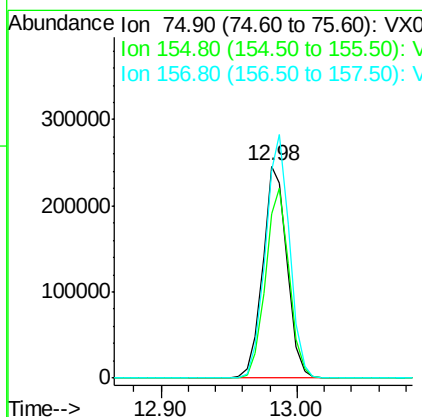
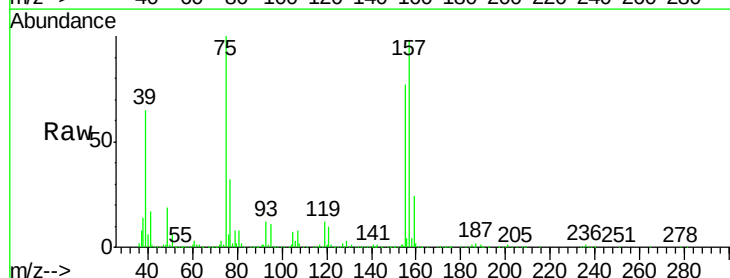
Manual Integrations
 APPROVED

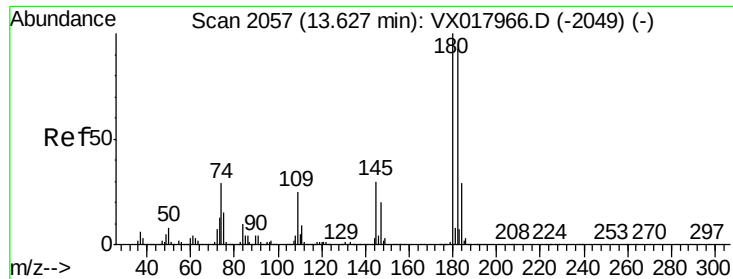
MMDadoda
 8/19/2020 8:53:55 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 142.814 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX017968.D
 Acq: 18 Aug 2020 19:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.5	40.5	121.5
157	113.6	54.4	163.2





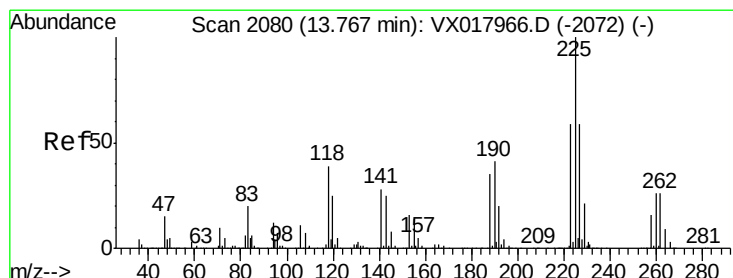
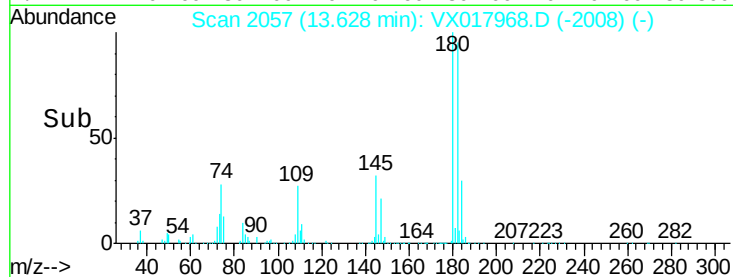
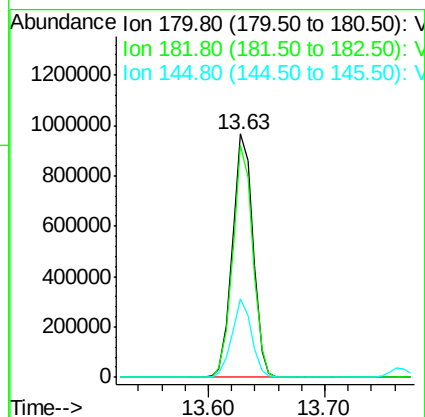
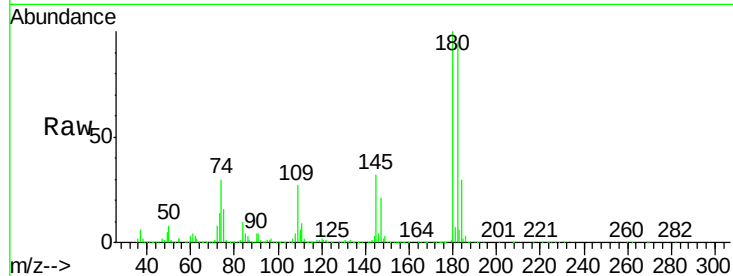
#93
 1,2,4-Trichlorobenzene
 Concen: 151.958 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX017968.D
 Acq: 18 Aug 2020 19:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	48.8	146.4
145	30.9	16.0	48.0

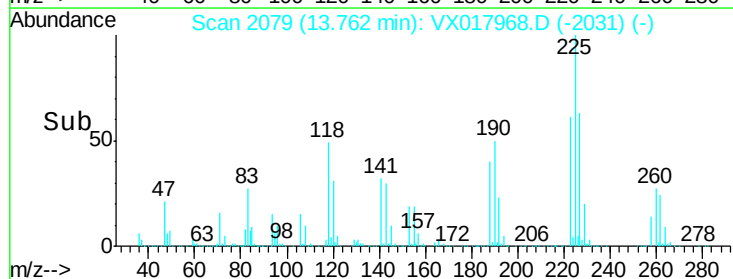
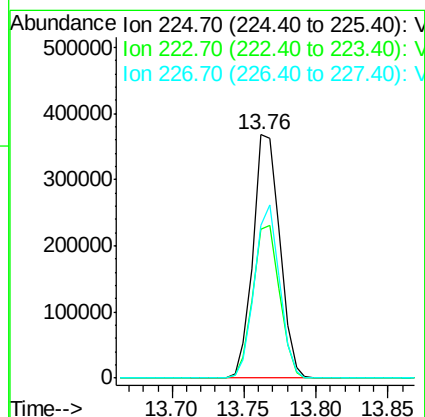
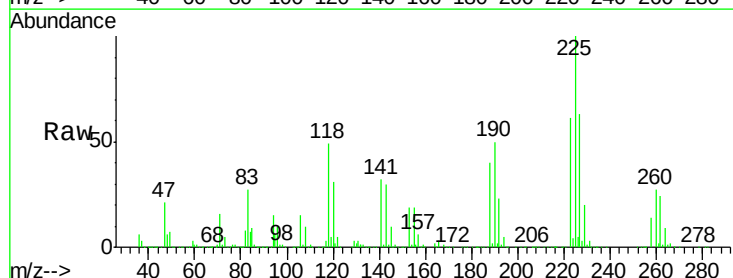
Manual Integrations
 APPROVED

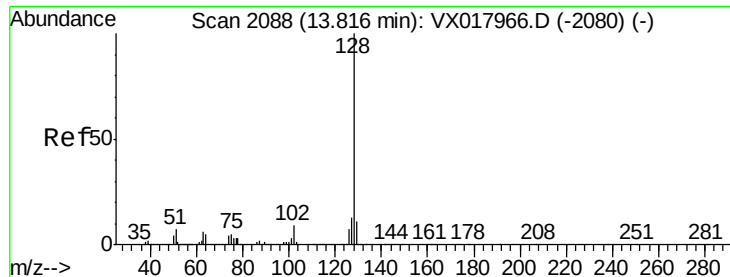
MMDadoda
 8/19/2020 8:53:55 AM



#94
 Hexachlorobutadiene
 Concen: 130.090 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX017968.D
 Acq: 18 Aug 2020 19:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	32.1	96.3
227	66.8	29.8	89.5





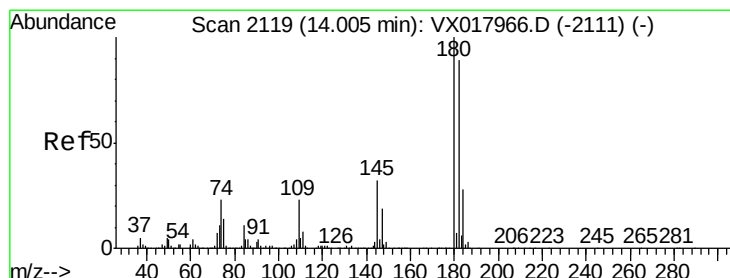
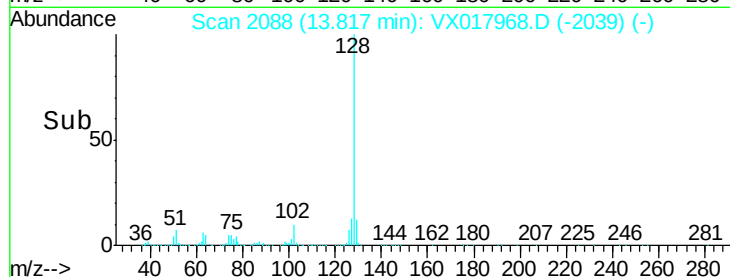
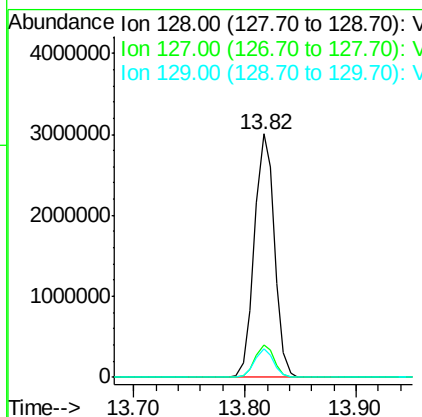
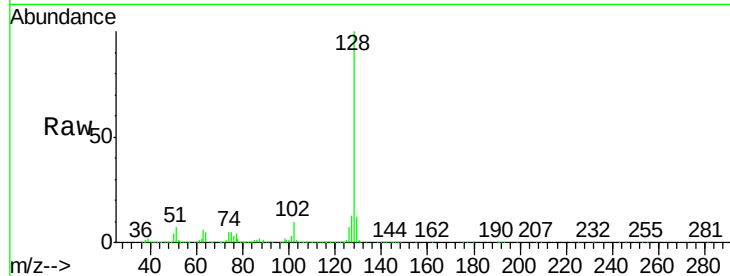
#95
Naphthalene
Concen: 160.203 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.7	16.1
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:55 AM



#96
1,2,3-Trichlorobenzene
Concen: 148.975 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VX017968.D
Acq: 18 Aug 2020 19:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	46.6	139.8
145	32.6	16.8	50.4

