

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082219\
 Data File : VX011756.D
 Acq On : 22 Aug 2019 12:39
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 8:41:52 AM

Quant Time: Aug 23 02:10:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	419788	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	563561	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	517343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	283133	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	193205	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	
35) Dibromofluoromethane	5.49	113	175585	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
50) Toluene-d8	8.71	98	642914	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
62) 4-Bromofluorobenzene	11.13	95	241492	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	209621	53.505	ug/l	99
3) Chloromethane	1.32	50	165616	48.203	ug/l	100
4) Vinyl Chloride	1.40	62	161672	47.071	ug/l	99
5) Bromomethane	1.63	94	87202	46.087	ug/l	98
6) Chloroethane	1.71	64	93735	46.677	ug/l	98
7) Trichlorofluoromethane	1.92	101	266377	48.713	ug/l	98
8) Diethyl Ether	2.18	74	87268	46.934	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	159879	47.248	ug/l	98
10) Methyl Iodide	2.50	142	189923	45.952	ug/l	99
11) Tert butyl alcohol	3.04	59	187146	224.583	ug/l	100
12) 1,1-Dichloroethene	2.36	96	150153	45.508	ug/l	94
13) Acrolein	2.28	56	77423	240.356	ug/l	98
14) Allyl chloride	2.71	41	239084	46.361	ug/l	96
15) Acrylonitrile	3.13	53	424521	222.730	ug/l	99
16) Acetone	2.43	43	417088	227.367	ug/l	98
17) Carbon Disulfide	2.56	76	385765	46.242	ug/l	100
18) Methyl Acetate	2.76	43	227357	45.675	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	499004	47.148	ug/l	98
20) Methylene Chloride	2.85	84	165380	44.097	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	162654	45.704	ug/l	96
22) Diisopropyl ether	3.84	45	477370	47.736	ug/l	95
23) Vinyl Acetate	3.81	43	1987533	240.048	ug/l	100
24) 1,1-Dichloroethane	3.68	63	276736	46.870	ug/l	98
25) 2-Butanone	4.66	43	628769	238.797	ug/l	99
26) 2,2-Dichloropropane	4.57	77	243254	48.514	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	193204	47.340	ug/l	98
28) Bromochloromethane	5.00	49	130537	48.704	ug/l	96
29) Tetrahydrofuran	5.11	42	397924	235.756	ug/l	99
30) Chloroform	5.20	83	303526	47.383	ug/l	98
31) Cyclohexane	5.57	56	265713	51.242	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	276012	49.568	ug/l	100
36) 1,1-Dichloropropene	5.79	75	226664	51.289	ug/l	99
37) Ethyl Acetate	4.82	43	231774	49.559	ug/l	99
38) Carbon Tetrachloride	5.77	117	249020	49.720	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX082219\
 Data File : VX011756.D
 Acq On : 22 Aug 2019 12:39
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 8:41:52 AM

Quant Time: Aug 23 02:10:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	293374	53.571	ug/l	99
40) Benzene	6.13	78	667916	48.857	ug/l	99
41) Methacrylonitrile	5.03	41	131001	48.164	ug/l	99
42) 1,2-Dichloroethane	6.18	62	237898	47.604	ug/l	100
43) Isopropyl Acetate	6.43	43	367819	48.593	ug/l	99
44) Trichloroethene	7.21	130	207093	49.141	ug/l	100
45) 1,2-Dichloropropane	7.51	63	168735	49.105	ug/l	99
46) Dibromomethane	7.65	93	119956	47.350	ug/l	97
47) Bromodichloromethane	7.89	83	222386	48.764	ug/l	98
48) Methyl methacrylate	7.76	41	188582	50.061	ug/l	97
49) 1,4-Dioxane	7.73	88	98411	942.874	ug/l	98
51) 4-Methyl-2-Pentanone	8.63	43	1197431	240.078	ug/l	99
52) Toluene	8.78	92	436912	49.387	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	248534	51.913	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	274227	52.506	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	180724	49.033	ug/l	97
56) Ethyl methacrylate	9.17	69	270946	51.689	ug/l	98
57) 1,3-Dichloropropane	9.37	76	283389	47.617	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	736278	267.020	ug/l	100
59) 2-Hexanone	9.49	43	932896	243.691	ug/l	99
60) Dibromochloromethane	9.58	129	202497	50.814	ug/l	99
61) 1,2-Dibromoethane	9.66	107	195790	49.506	ug/l	100
64) Tetrachloroethene	9.33	164	209344	50.722	ug/l	99
65) Chlorobenzene	10.13	112	493290	48.839	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	189726	50.135	ug/l	99
67) Ethyl Benzene	10.25	91	839197	49.719	ug/l	99
68) m/p-Xylenes	10.35	106	669124	102.813	ug/l	98
69) o-Xylene	10.69	106	322540	50.477	ug/l	97
70) Styrene	10.71	104	553904	51.819	ug/l	98
71) Bromoform	10.85	173	167670	51.361	ug/l #	96
73) Isopropylbenzene	11.01	105	862655	50.558	ug/l	100
74) N-amyl acetate	10.89	43	328534	49.734	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	269256	47.676	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	240648m	48.439	ug/l	
77) Bromobenzene	11.25	156	251229	49.945	ug/l	98
78) n-propylbenzene	11.35	91	959665	52.600	ug/l	100
79) 2-Chlorotoluene	11.41	91	567295	49.979	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	742108	52.128	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	85241	51.744	ug/l	98
82) 4-Chlorotoluene	11.51	91	660866	50.511	ug/l	99
83) tert-Butylbenzene	11.77	119	736526	52.437	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	746983	51.959	ug/l	99
85) sec-Butylbenzene	11.94	105	852088	53.034	ug/l	100
86) p-Isopropyltoluene	12.06	119	822387	53.199	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	431658	49.832	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	435016	49.637	ug/l	100
89) n-Butylbenzene	12.38	91	684206	53.466	ug/l	100
90) Hexachloroethane	12.59	117	127651	53.152	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	425259	48.674	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	60898	46.388	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082219\
Data File : VX011756.D
Acq On : 22 Aug 2019 12:39
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

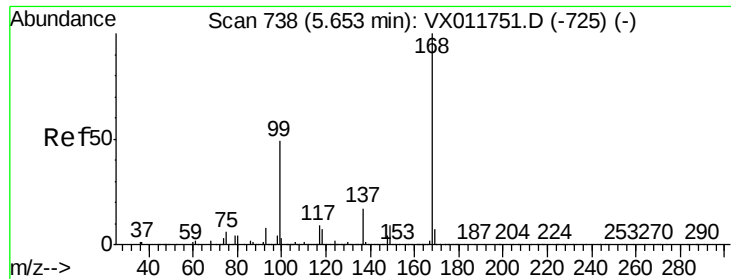
Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:41:52 AM

Quant Time: Aug 23 02:10:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 23 01:48:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	342197	53.247	ug/l	99
94) Hexachlorobutadiene	13.78	225	188821	53.619	ug/l	98
95) Naphthalene	13.83	128	947816	53.549	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	338315	52.429	ug/l	100

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



#1

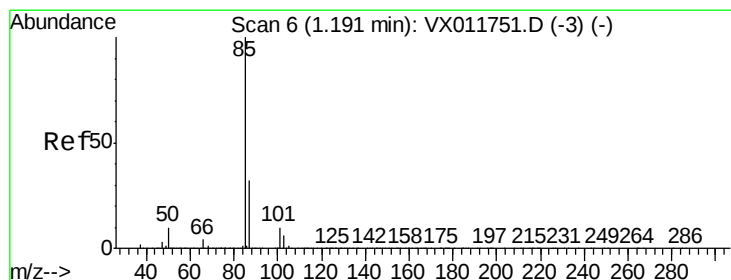
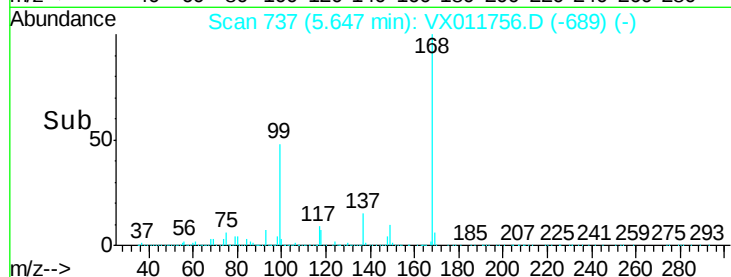
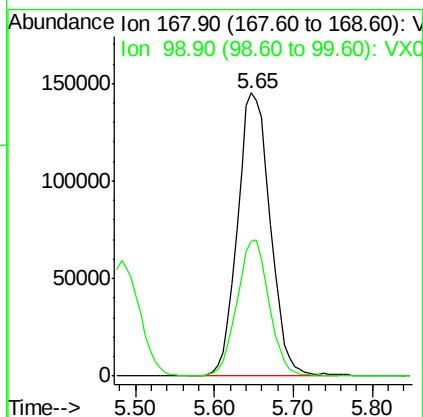
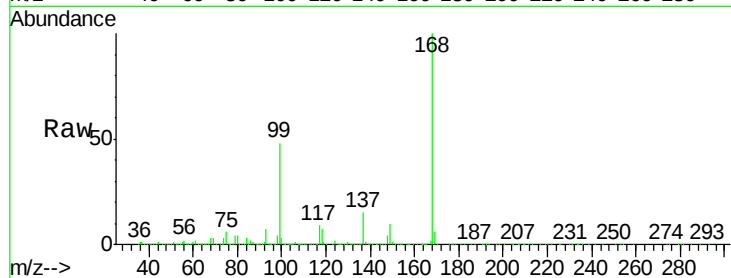
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 737
 Delta R.T. -0.01 min
 Lab File: VX011756.D
 Acq: 22 Aug 2019 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	47.6	39.4	59.2

Manual Integrations
 APPROVED

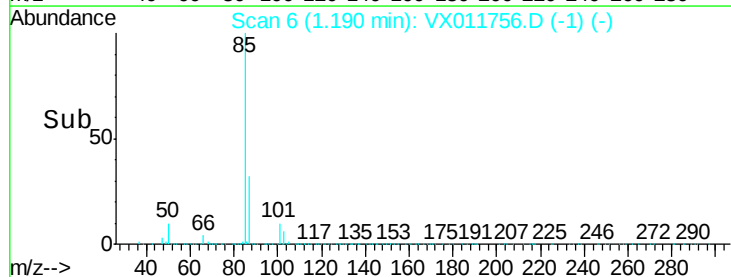
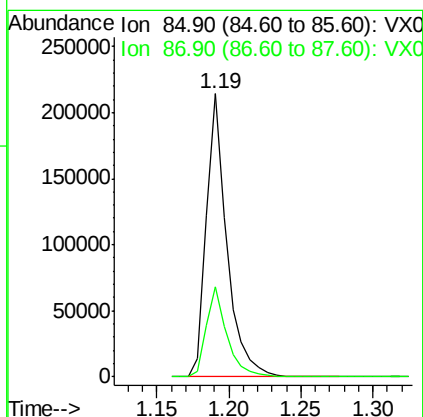
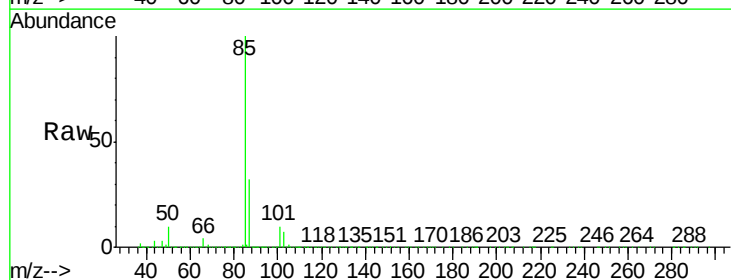
MMDadoda
 8/23/2019 8:41:52 AM

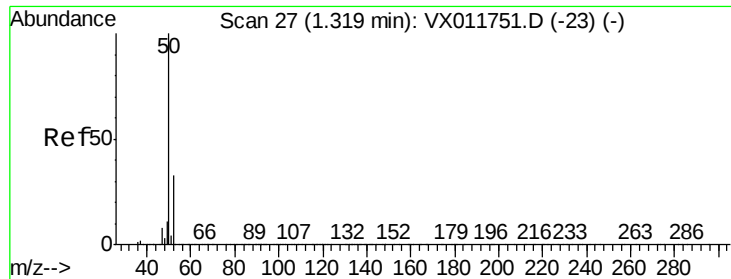


#2

Dichlorodifluoromethane
 Concen: 53.505 ug/l
 RT: 1.19 min Scan# 6
 Delta R.T. -0.00 min
 Lab File: VX011756.D
 Acq: 22 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.7	16.1	48.2





#3

Chloromethane

Concen: 48.203 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 165616

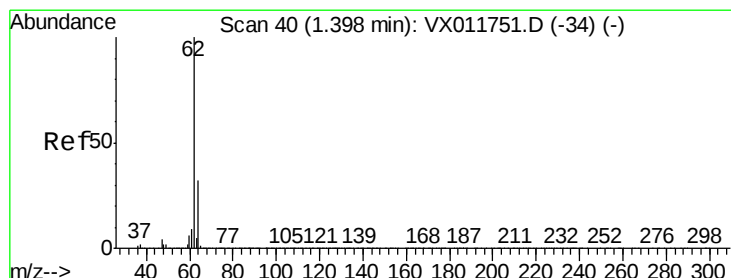
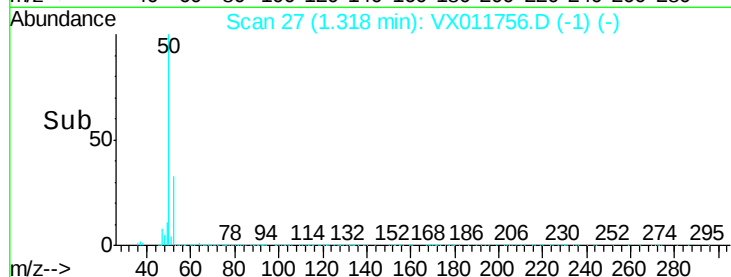
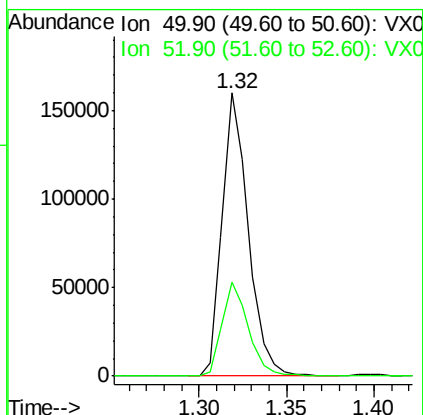
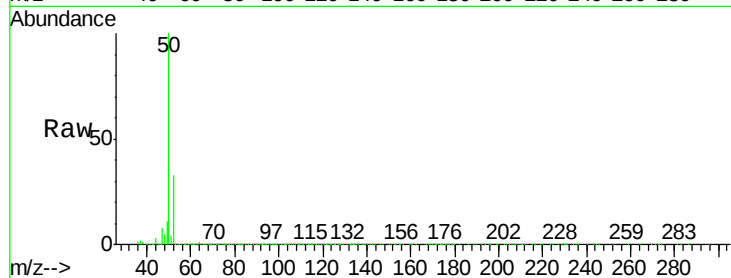
Ion Ratio Lower Upper

50 100

52 33.2 26.6 39.8

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:41:52 AM



#4

Vinyl Chloride

Concen: 47.071 ug/l

RT: 1.40 min Scan# 40

Delta R.T. -0.00 min

Lab File: VX011756.D

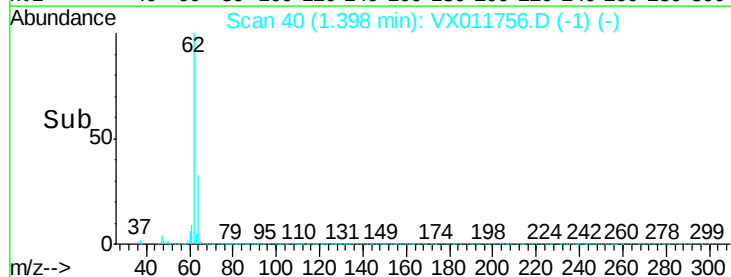
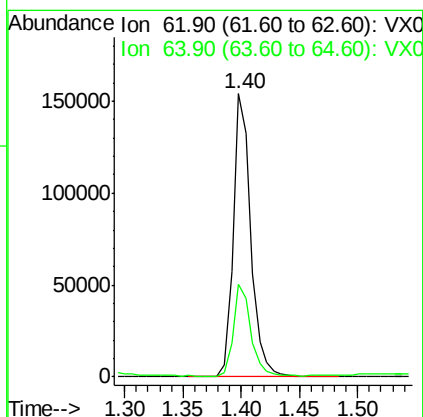
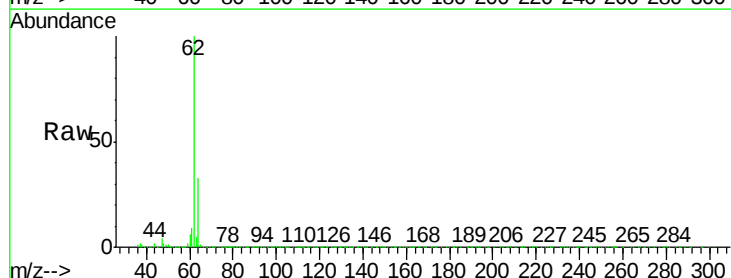
Acq: 22 Aug 2019 12:39

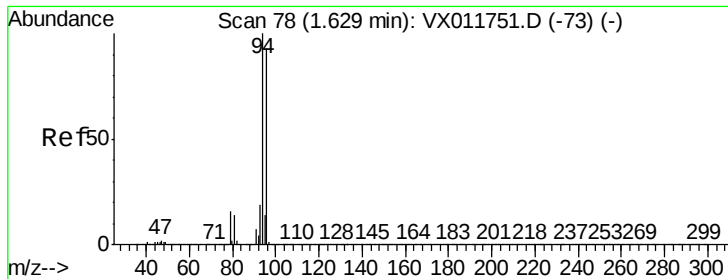
Tgt Ion: 62 Resp: 161672

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 46.087 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.00 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Tot Ion: 94 Resp: 87202

Ion Ratio Lower Upper

94 100

96 94.3 74.1 111.1

Instrument :

MSVOA_X

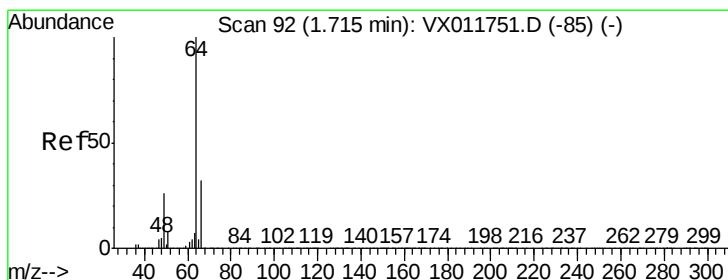
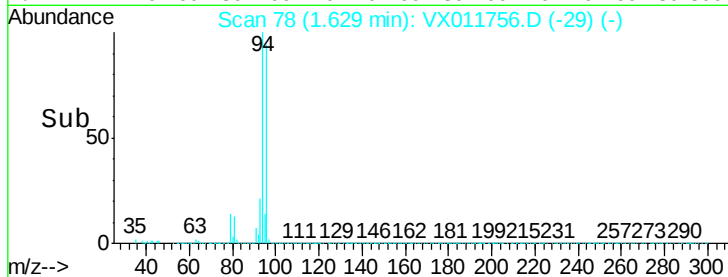
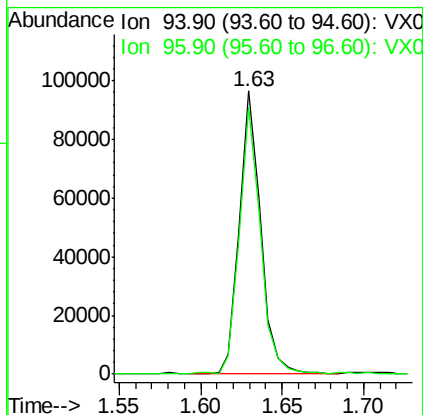
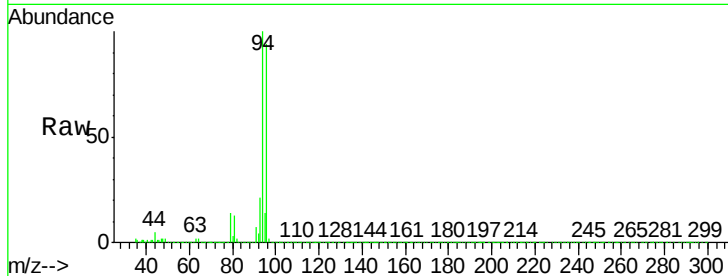
ClientSampleId :

VSTDCCC050

Manual Integrations
APPROVED

MMDadoda

8/23/2019 8:41:52 AM



#6

Chloroethane

Concen: 46.677 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011756.D

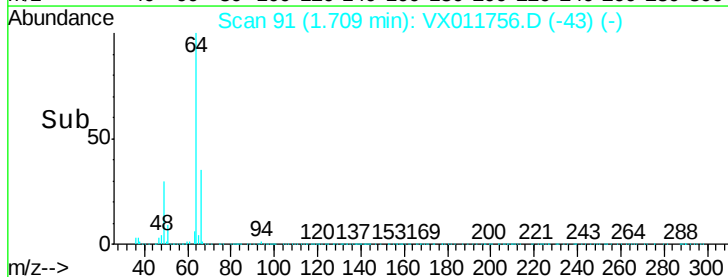
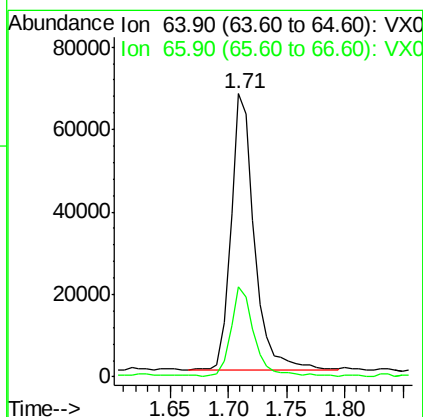
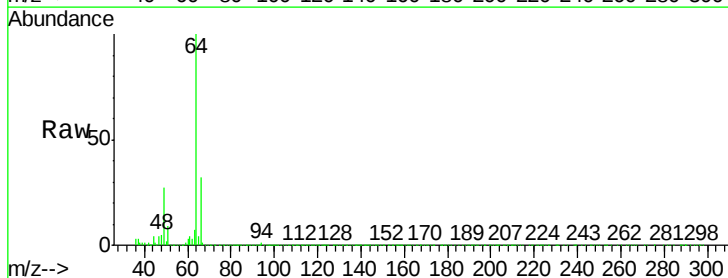
Acq: 22 Aug 2019 12:39

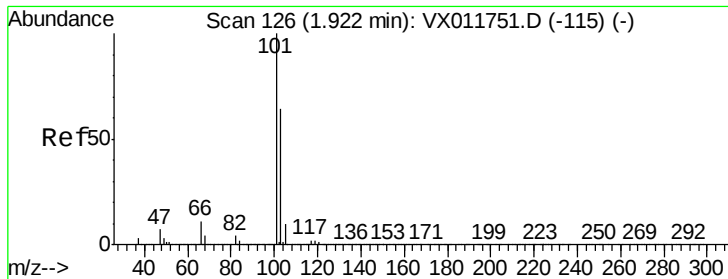
Tgt Ion: 64 Resp: 93735

Ion Ratio Lower Upper

64 100

66 32.0 24.9 37.3





#7

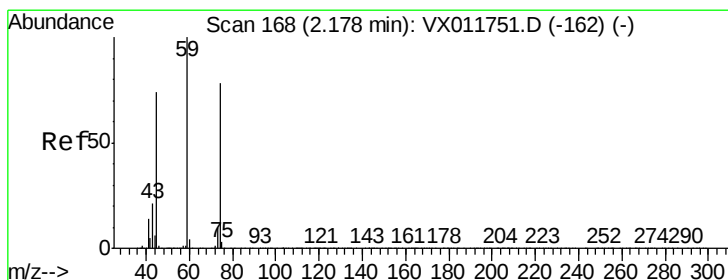
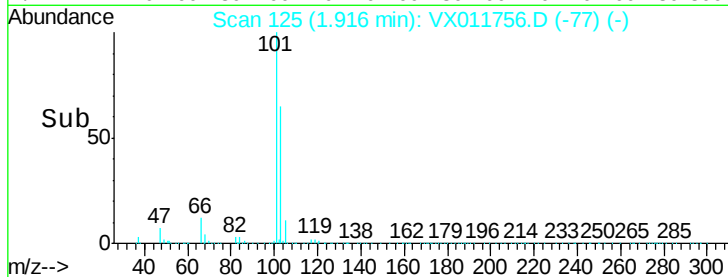
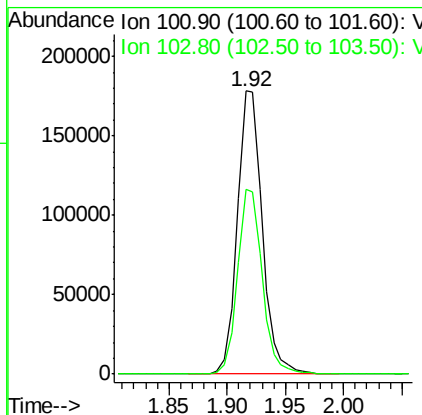
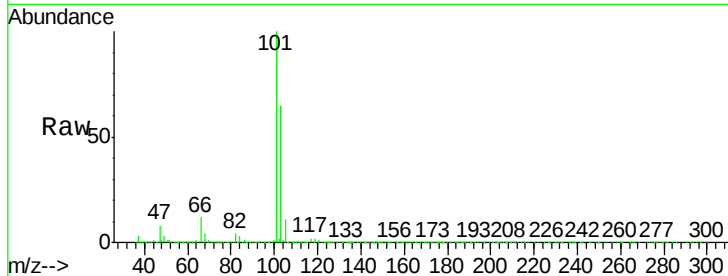
Trichlorofluoromethane
 Concen: 48.713 ug/l
 RT: 1.92 min Scan# 125
 Delta R.T. -0.01 min
 Lab File: VX011756.D
 Acq: 22 Aug 2019 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.2	76.8

Manual Integrations
 APPROVED

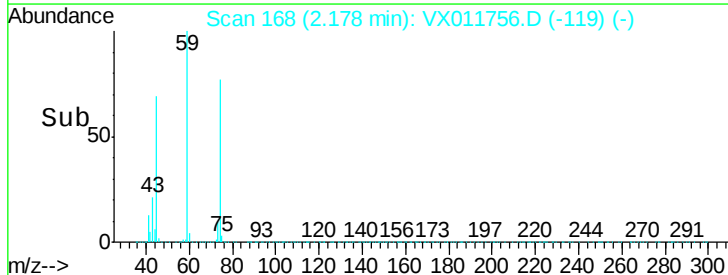
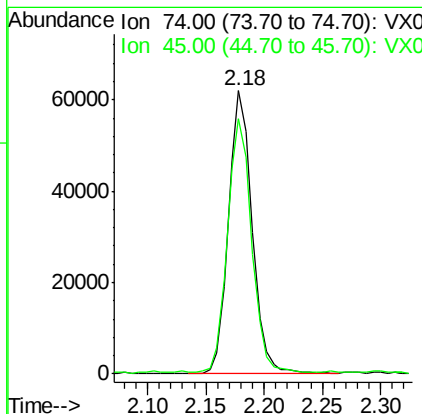
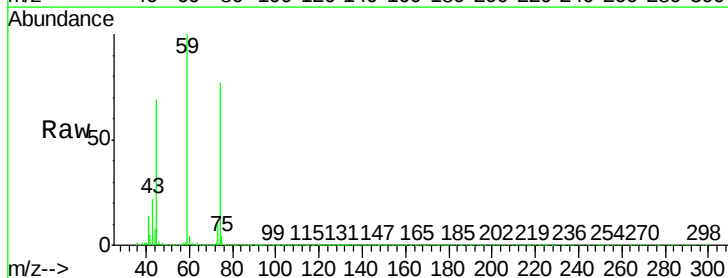
MMDadoda
 8/23/2019 8:41:52 AM

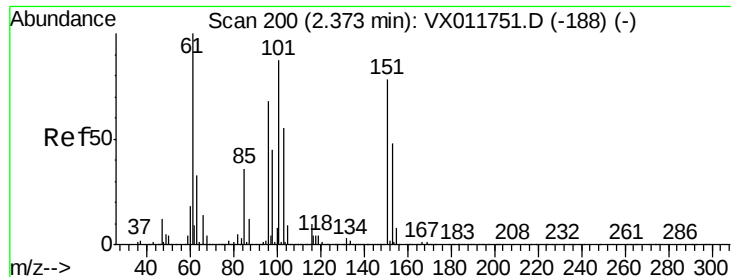


#8

Diethyl Ether
 Concen: 46.934 ug/l
 RT: 2.18 min Scan# 168
 Delta R.T. -0.00 min
 Lab File: VX011756.D
 Acq: 22 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.4	46.7	140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.248 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Instrument :

MSVOA_X

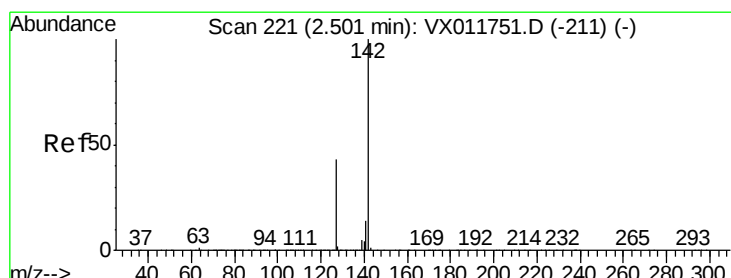
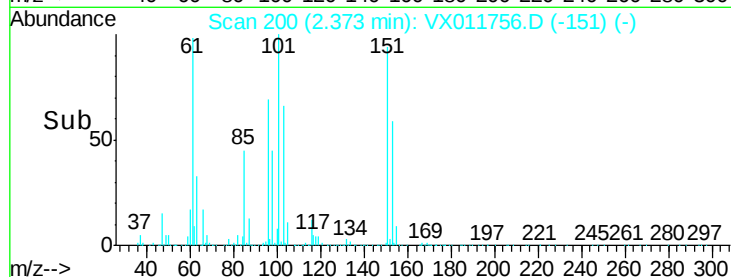
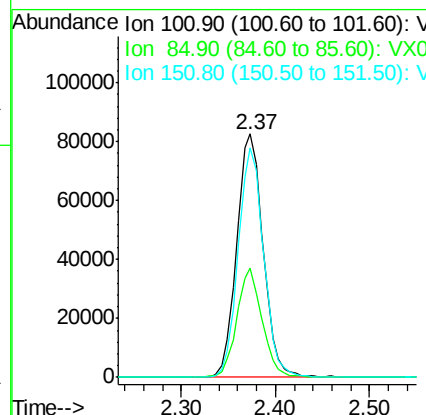
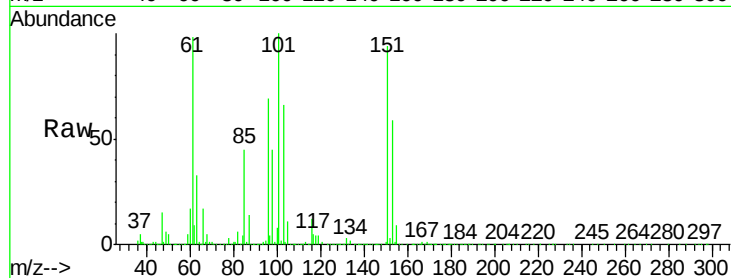
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	159879
Ion Ratio	Lower	Upper	
101	100		
85	42.9	33.7	50.5
151	91.2	71.4	107.2

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:41:52 AM



#10

Methyl Iodide

Concen: 45.952 ug/l

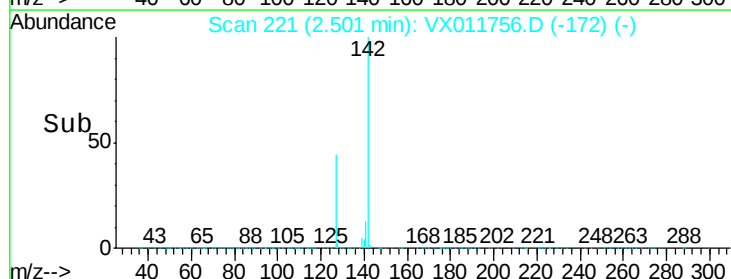
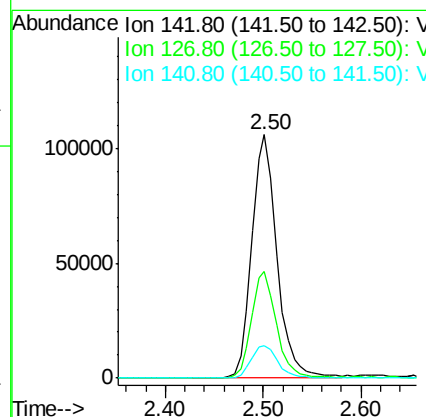
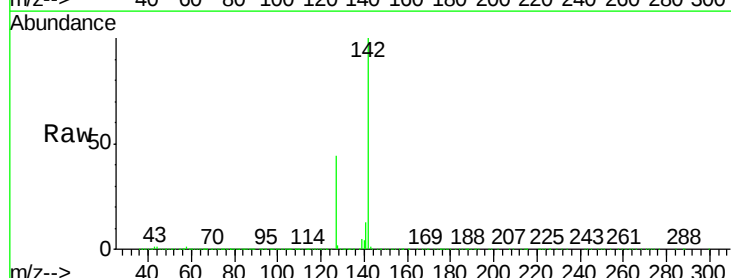
RT: 2.50 min Scan# 221

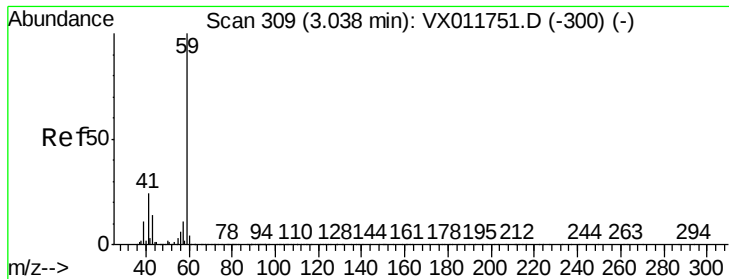
Delta R.T. -0.00 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Tgt Ion:	142	Resp:	189923
Ion Ratio	Lower	Upper	
142	100		
127	42.9	33.5	50.3
141	14.1	11.4	17.2





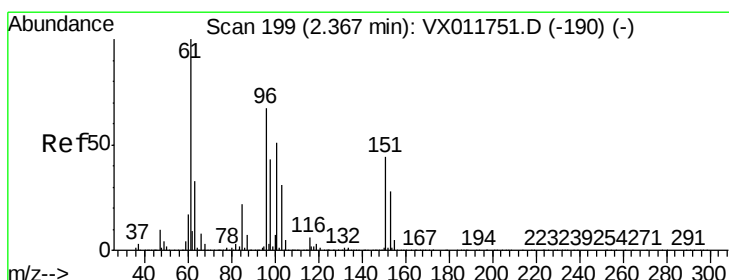
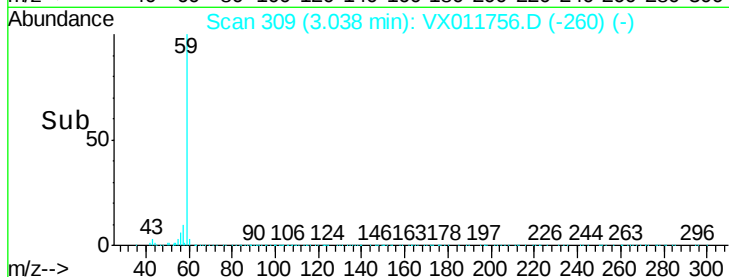
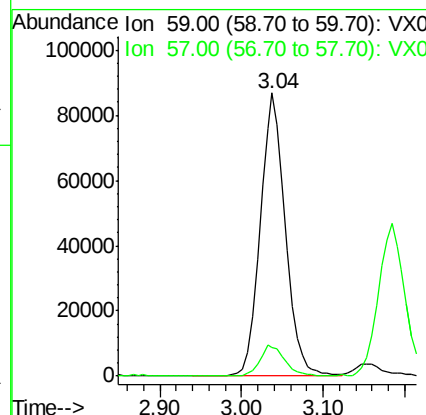
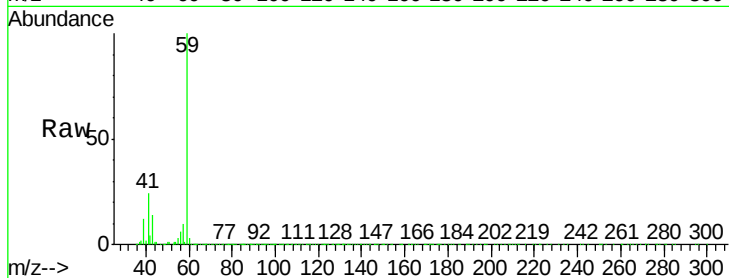
#11
Tert butyl alcohol
Concen: 224.583 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.00 min
Lab File: VX011756.D
Acq: 22 Aug 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.4	12.6

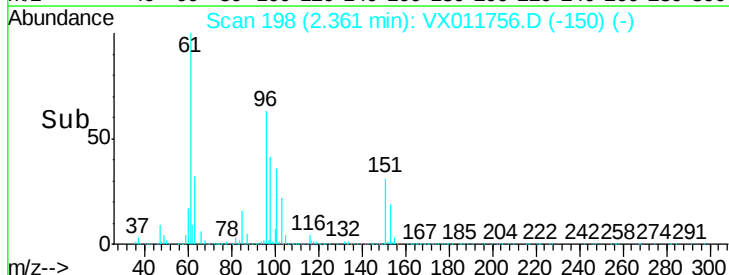
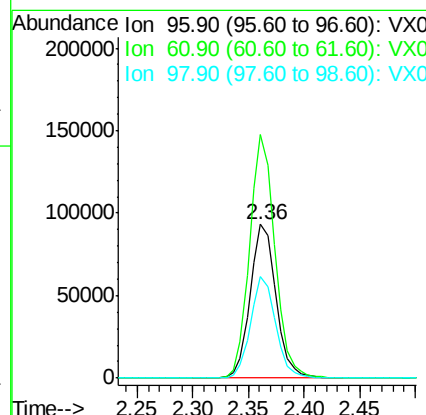
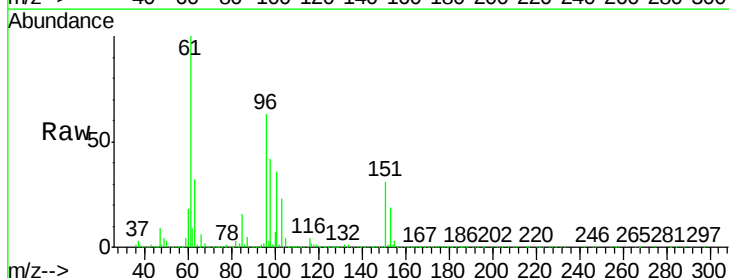
Manual Integrations
APPROVED

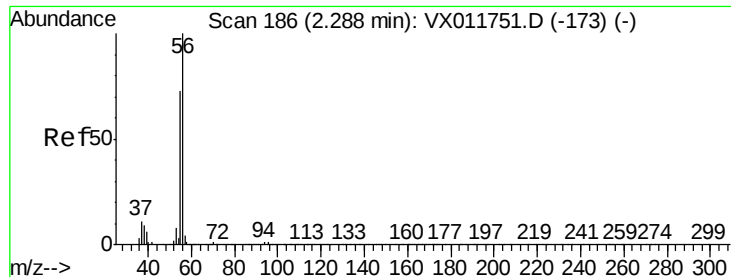
MMDadoda
8/23/2019 8:41:52 AM



#12
1,1-Dichloroethene
Concen: 45.508 ug/l
RT: 2.36 min Scan# 198
Delta R.T. -0.01 min
Lab File: VX011756.D
Acq: 22 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.0	119.4	179.2
98	66.0	51.2	76.8





#13

Acrolein

Concen: 240.356 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 77423

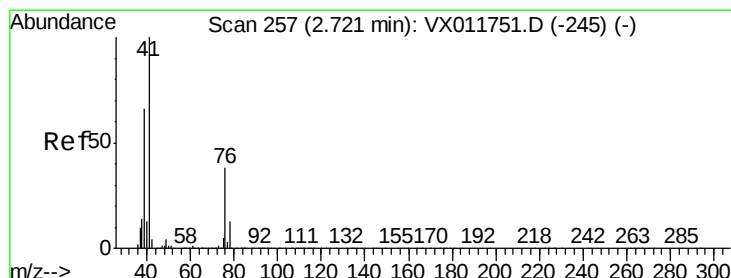
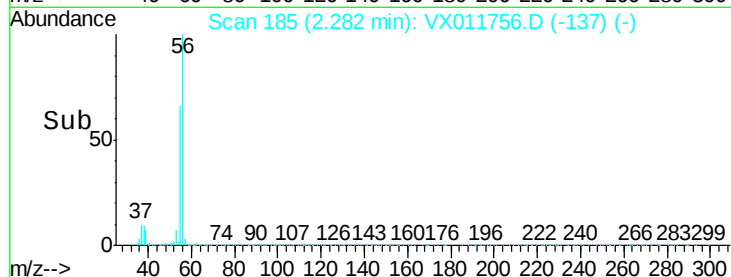
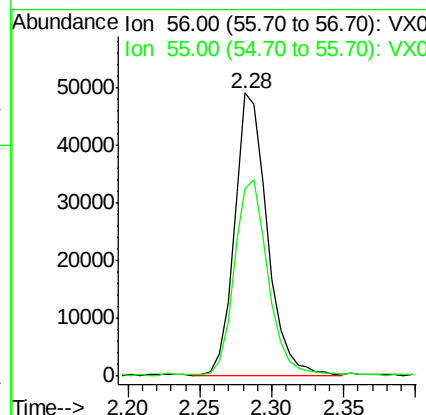
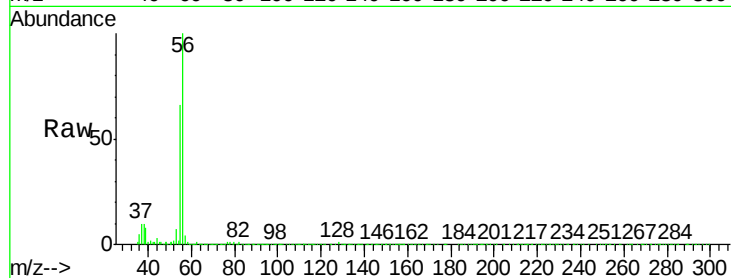
Ion Ratio Lower Upper

56 100

55 69.8 54.8 82.2

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:41:52 AM



#14

Allyl chloride

Concen: 46.361 ug/l

RT: 2.71 min Scan# 256

Delta R.T. -0.01 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

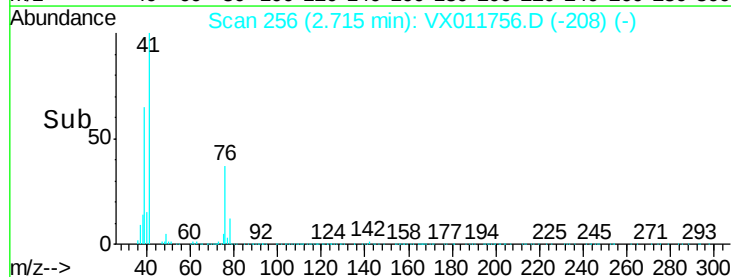
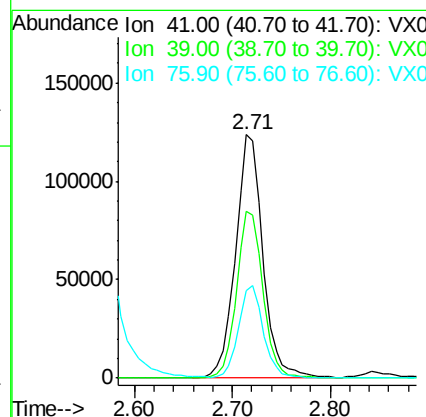
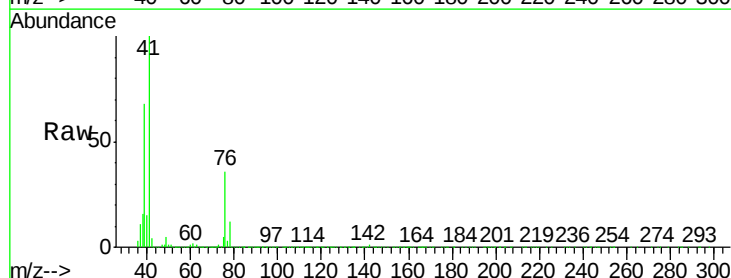
Tgt Ion: 41 Resp: 239084

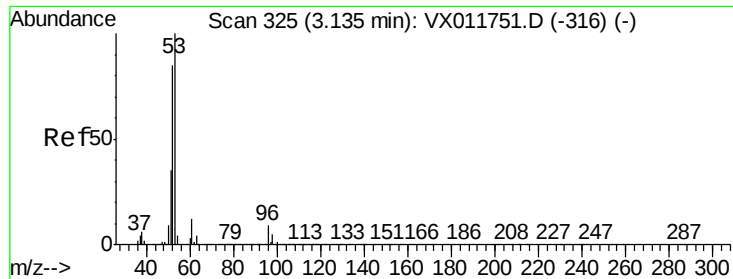
Ion Ratio Lower Upper

41 100

39 65.7 49.3 73.9

76 34.2 26.8 40.2





#15

Acrylonitrile

Concen: 222.730 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Instrument :

MSVOA_X

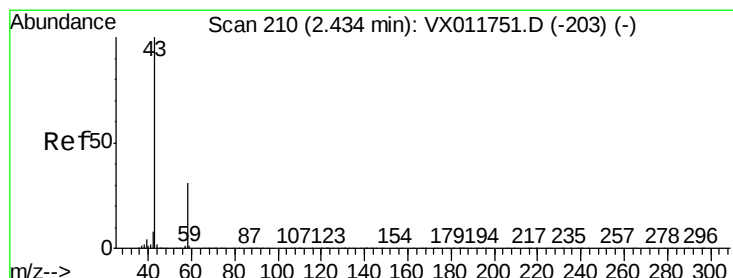
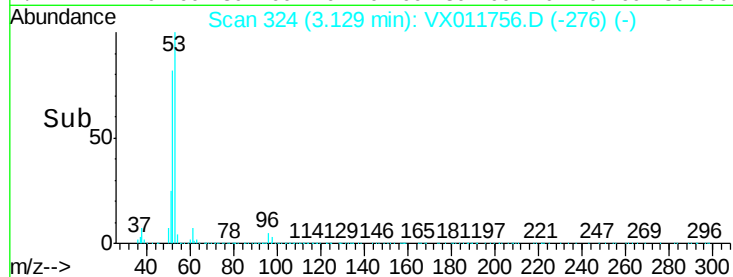
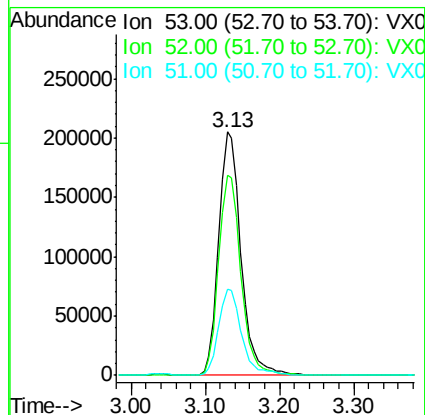
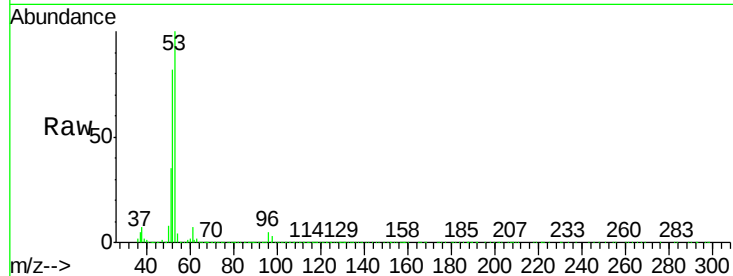
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	424521
Ion Ratio		Lower	Upper
53	100		
52	82.6	65.7	98.5
51	36.4	28.6	43.0

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:41:52 AM



#16

Acetone

Concen: 227.367 ug/l

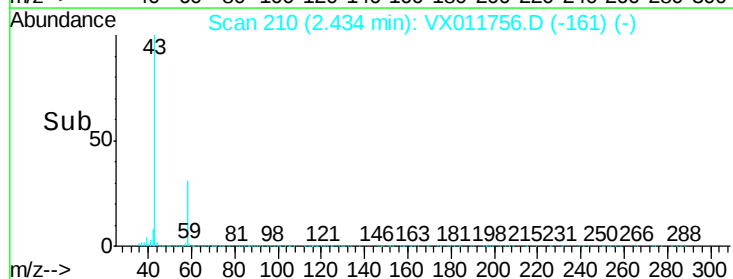
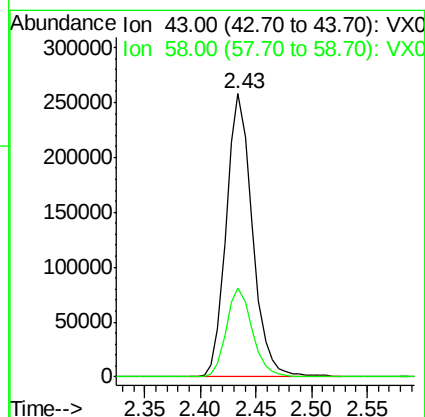
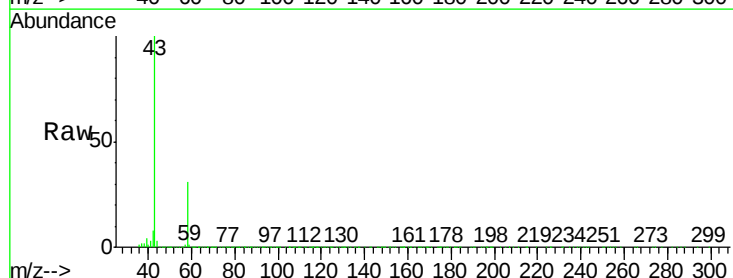
RT: 2.43 min Scan# 210

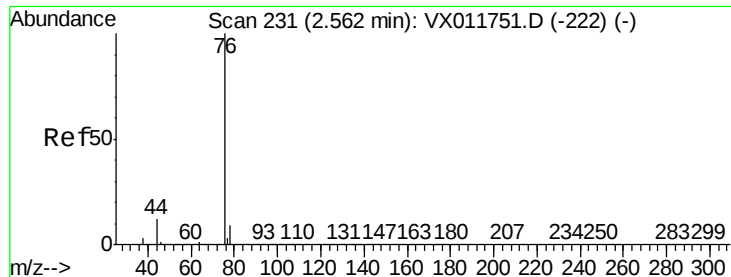
Delta R.T. -0.00 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Tgt Ion:	43	Resp:	417088
Ion Ratio		Lower	Upper
43	100		
58	31.5	24.4	36.6





#17

Carbon Disulfide

Concen: 46.242 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.00 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 385765

Ion Ratio Lower Upper

76 100

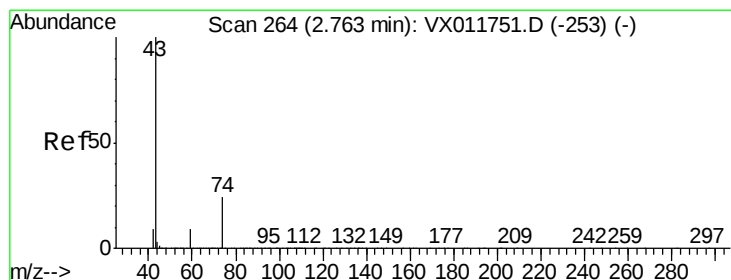
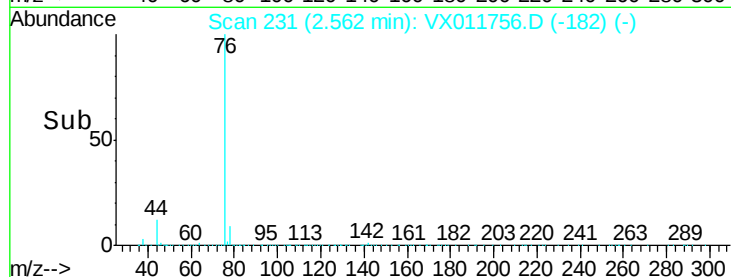
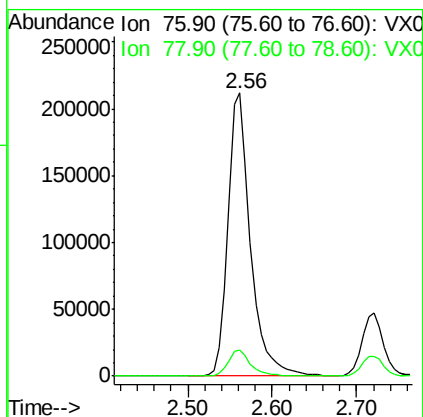
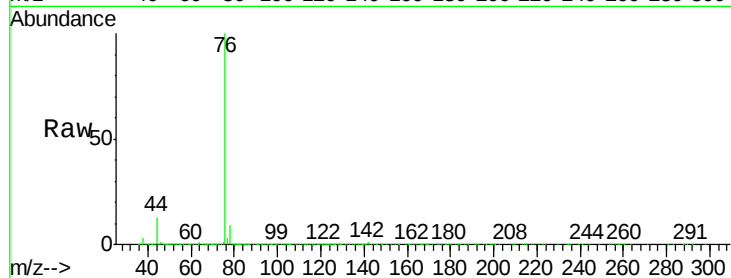
78 9.0 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

8/23/2019 8:41:52 AM



#18

Methyl Acetate

Concen: 45.675 ug/l

RT: 2.76 min Scan# 264

Delta R.T. -0.00 min

Lab File: VX011756.D

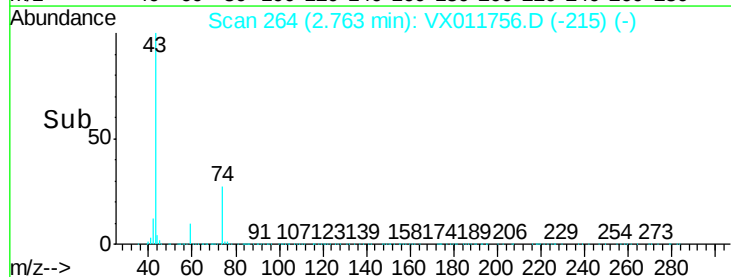
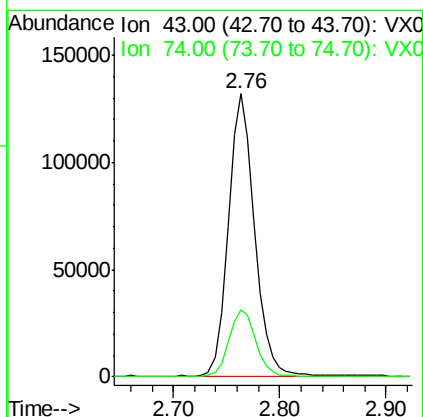
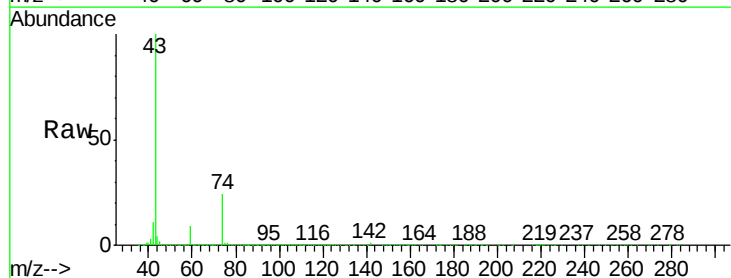
Acq: 22 Aug 2019 12:39

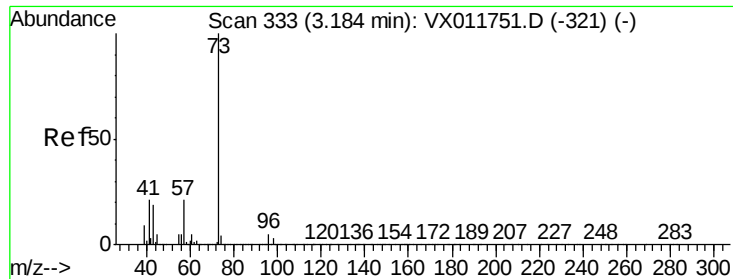
Tgt Ion: 43 Resp: 227357

Ion Ratio Lower Upper

43 100

74 24.7 19.5 29.3





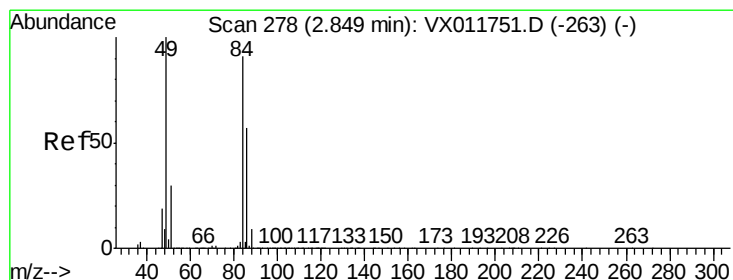
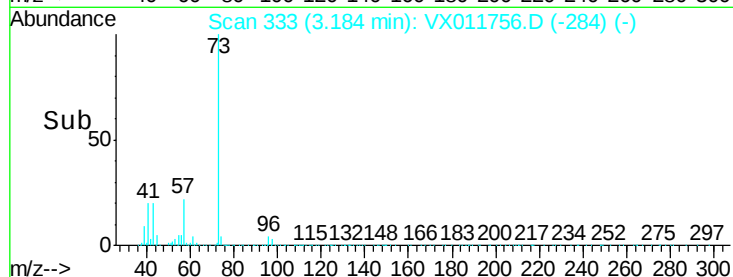
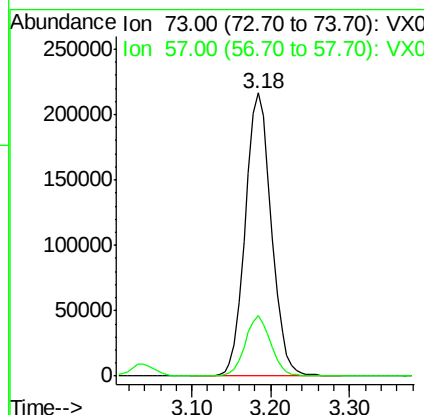
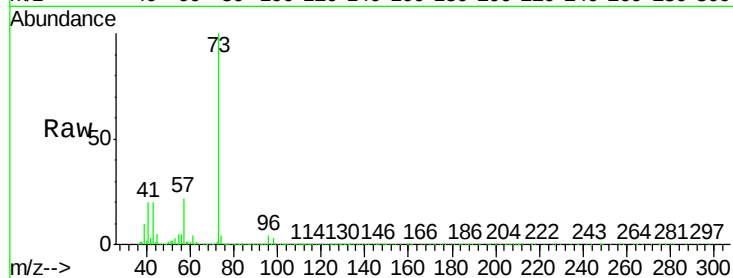
#19
Methvl tert-butvl Ether
Concen: 47.148 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.00 min
Lab File: VX011756.D
Acq: 22 Aug 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	16.4	24.6

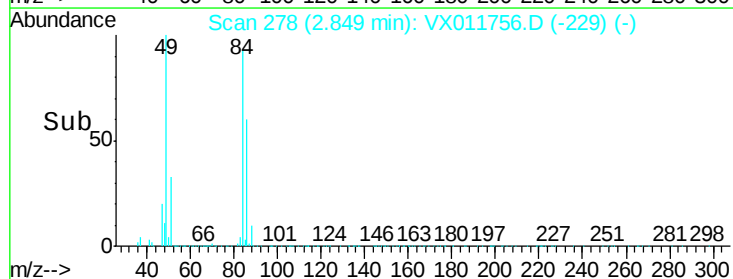
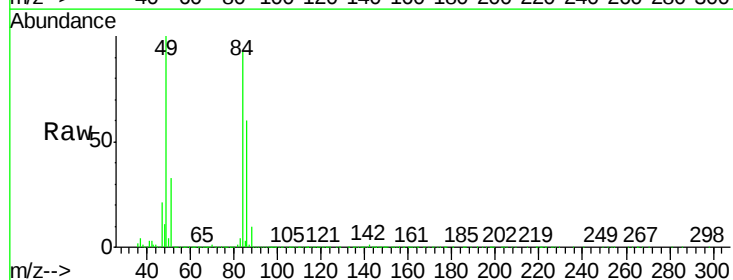
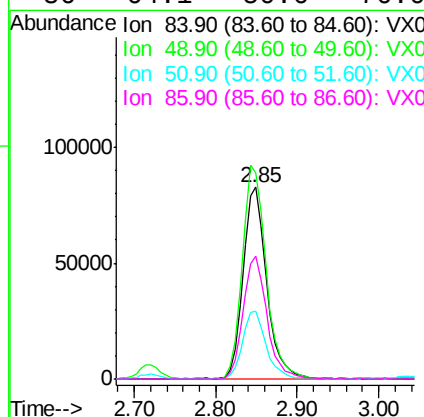
Manual Integrations
APPROVED

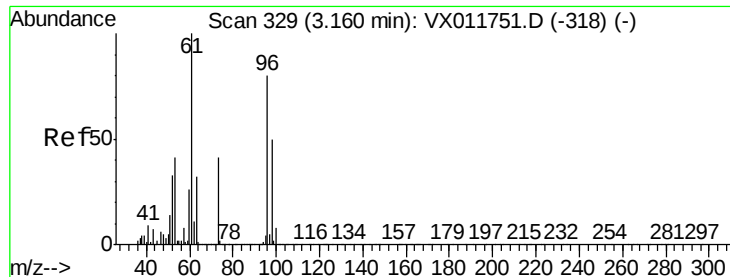
MMDadoda
8/23/2019 8:41:52 AM



#20
Methylene Chloride
Concen: 44.097 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011756.D
Acq: 22 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.1	88.3	132.5
51	35.2	26.2	39.2
86	64.1	50.6	76.0





#21

trans-1,2-Dichloroethene

Concen: 45.704 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Instrument :

MSVOA_X

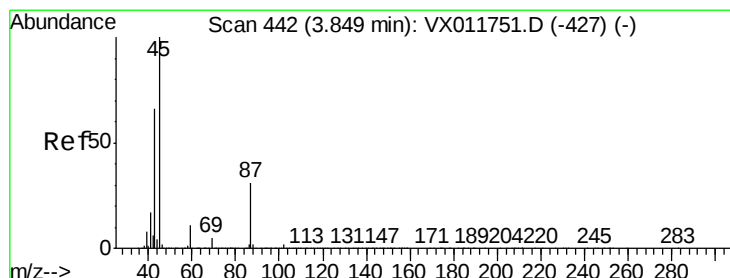
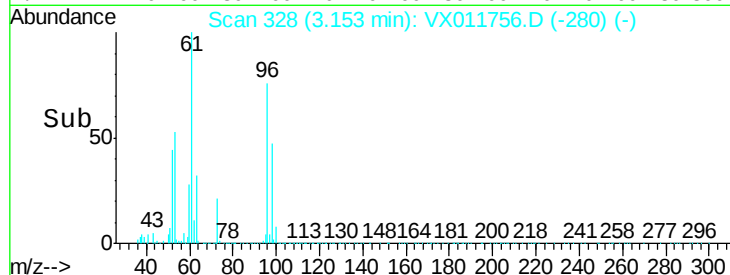
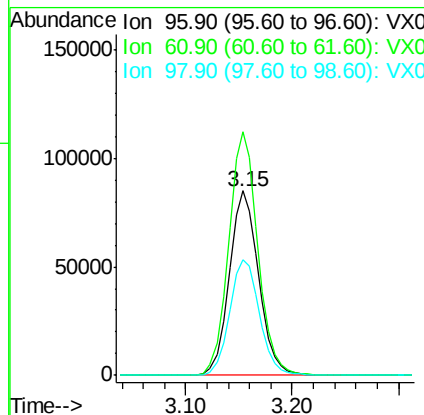
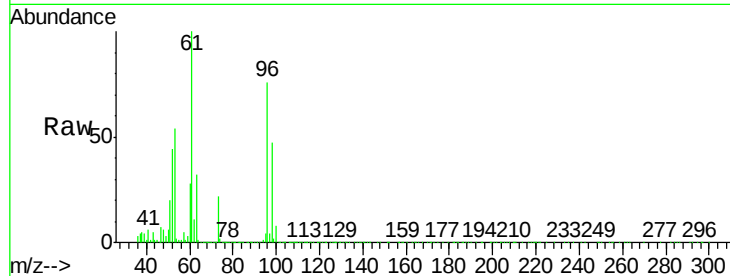
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	162654
Ion Ratio	Lower	Upper	
96	100		
61	132.1	99.8	149.8
98	62.4	50.3	75.5

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:41:52 AM



#22

Diisopropyl ether

Concen: 47.736 ug/l

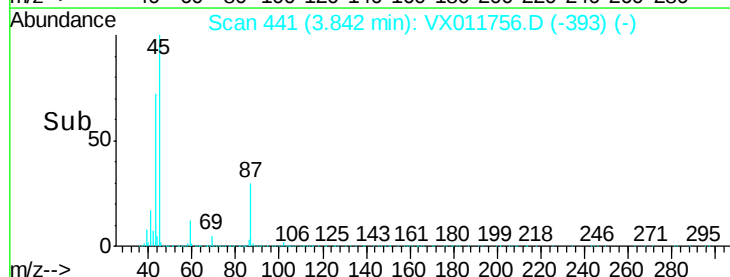
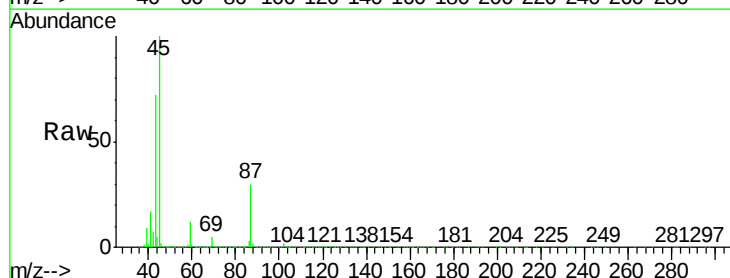
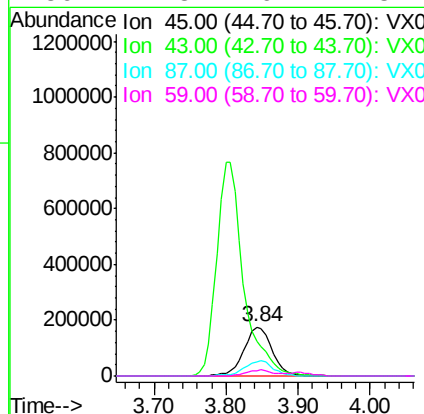
RT: 3.84 min Scan# 441

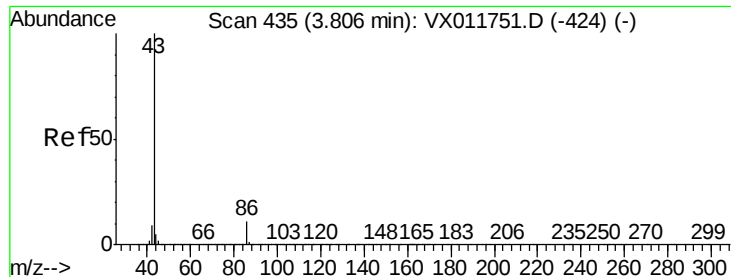
Delta R.T. -0.01 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Tgt Ion:	45	Resp:	477370
Ion Ratio	Lower	Upper	
45	100		
43	71.7	53.0	79.6
87	29.9	24.7	37.1
59	11.8	9.1	13.7





#23

Vinyl Acetate

Concen: 240.048 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.00 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1987533

Ion Ratio Lower Upper

43 100

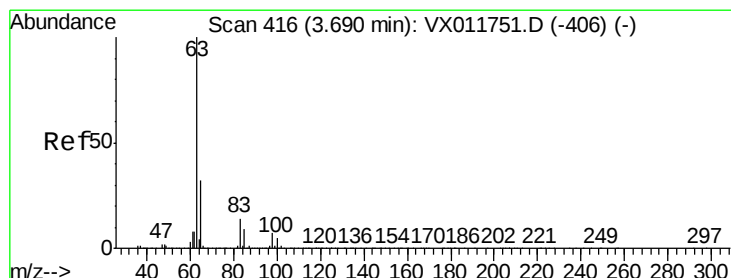
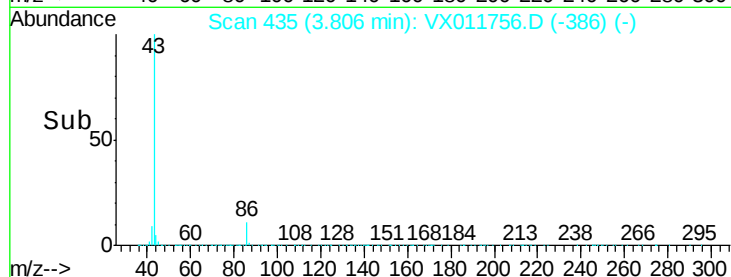
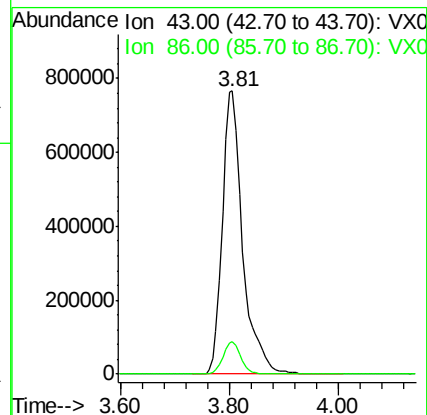
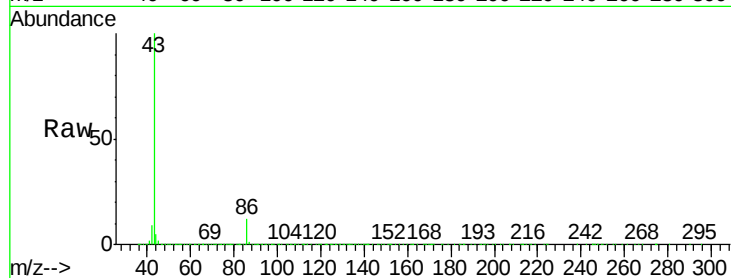
86 11.5 9.2 13.8

Manual Integrations

APPROVED

MMDadoda

8/23/2019 8:41:52 AM



#24

1,1-Dichloroethane

Concen: 46.870 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

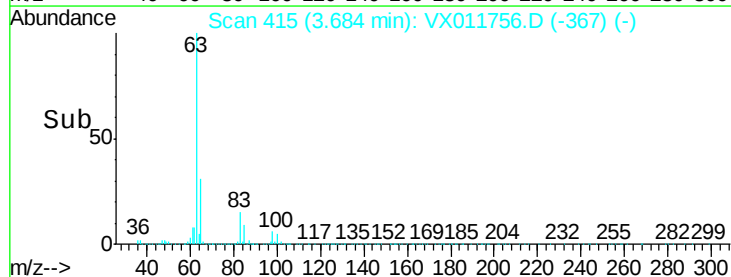
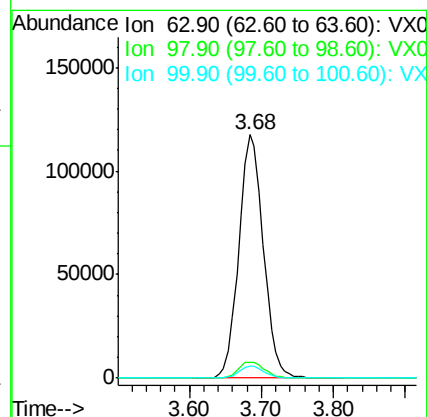
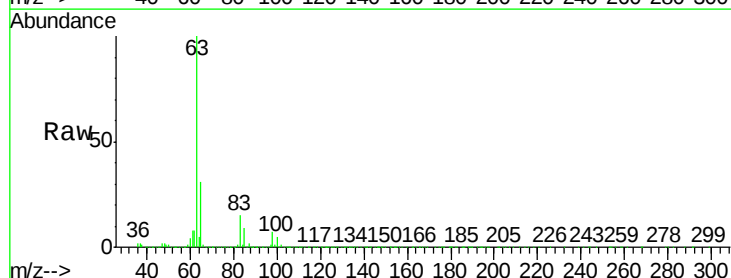
Tgt Ion: 63 Resp: 276736

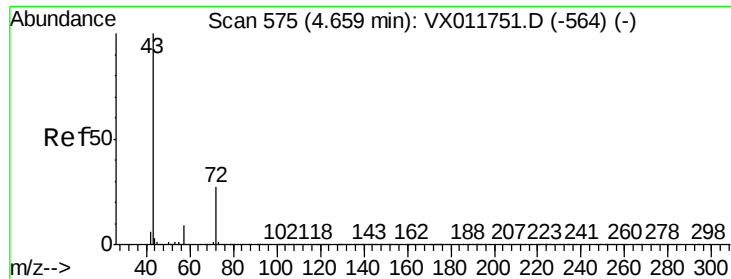
Ion Ratio Lower Upper

63 100

98 6.5 3.7 11.1

100 4.5 2.3 6.9





#25

2-Butanone

Concen: 238.797 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.00 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 628769

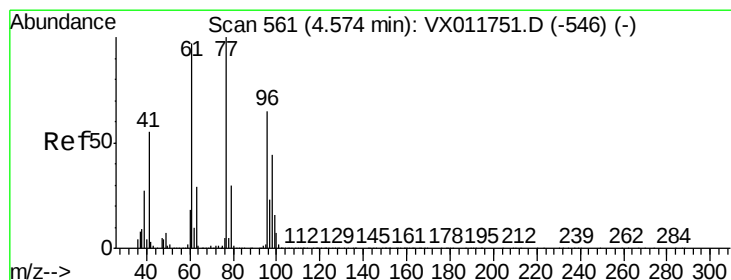
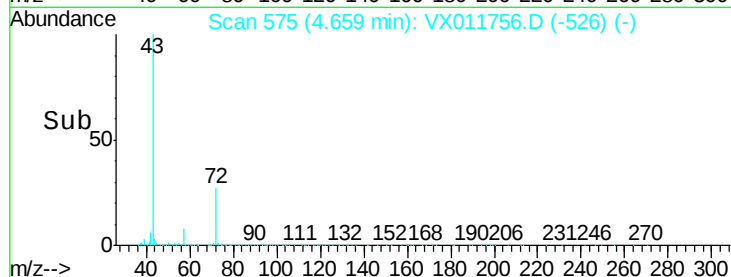
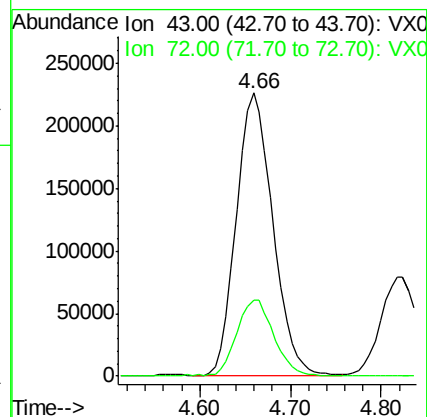
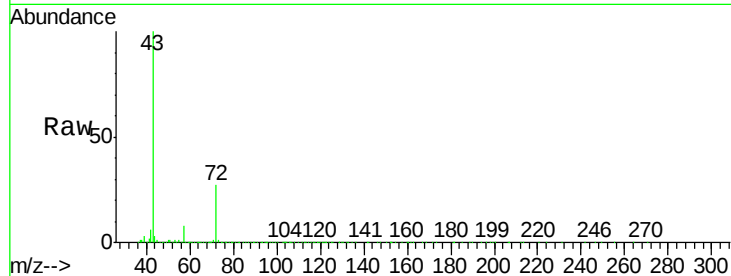
Ion Ratio Lower Upper

43 100

72 26.8 21.8 32.6

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:41:52 AM



#26

2,2-Dichloropropane

Concen: 48.514 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.00 min

Lab File: VX011756.D

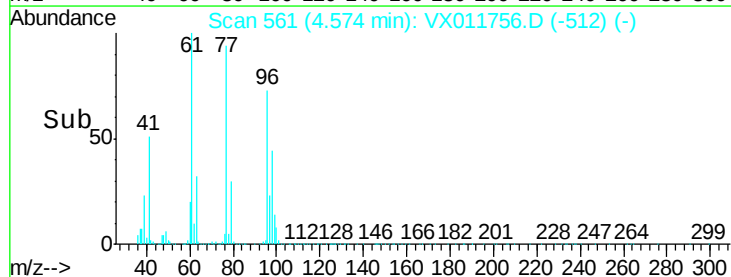
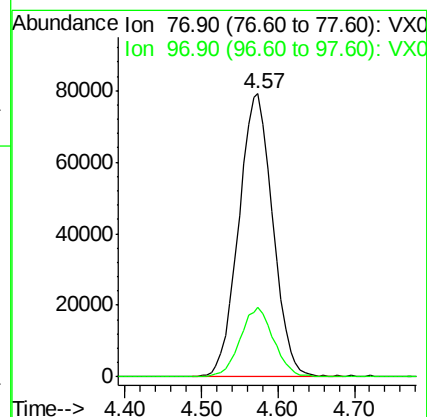
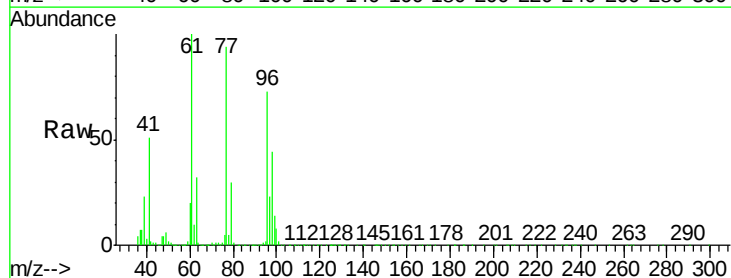
Acq: 22 Aug 2019 12:39

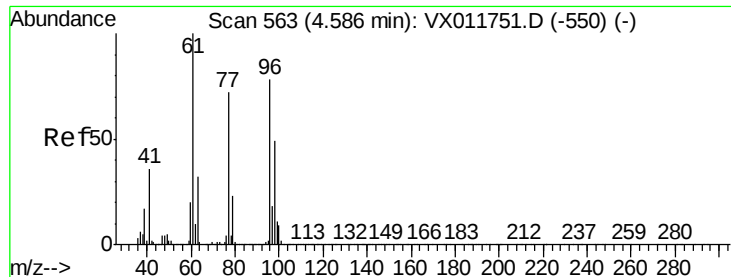
Tgt Ion: 77 Resp: 243254

Ion Ratio Lower Upper

77 100

97 24.0 12.2 36.6





#27

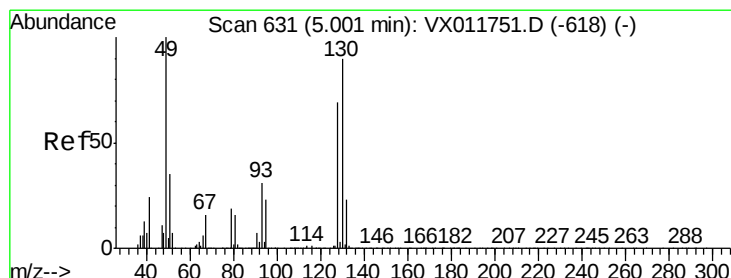
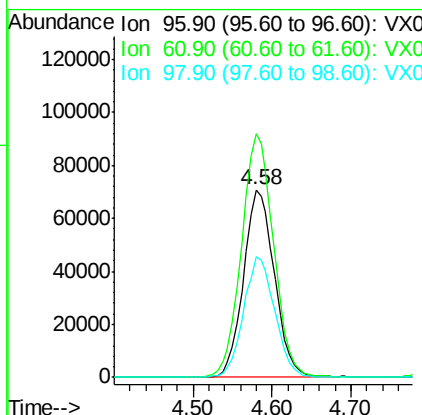
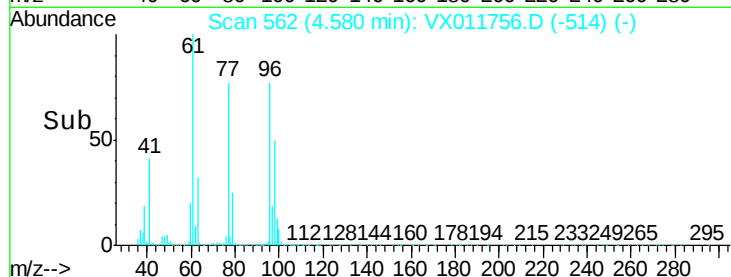
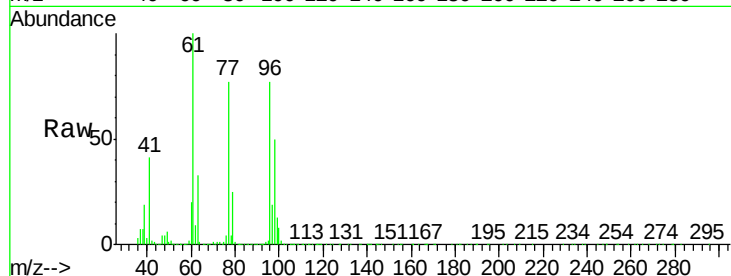
cis-1,2-Dichloroethene
 Concen: 47.340 ug/l
 RT: 4.58 min Scan# 562
 Delta R.T. -0.01 min
 Lab File: VX011756.D
 Acq: 22 Aug 2019 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.9	0.0	275.8
98	64.7	0.0	128.2

Manual Integrations
 APPROVED

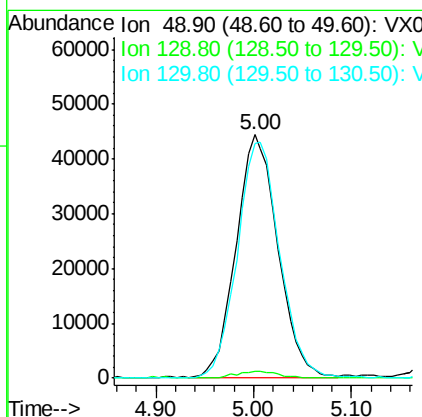
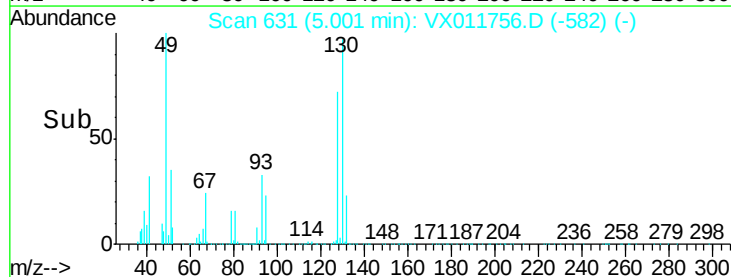
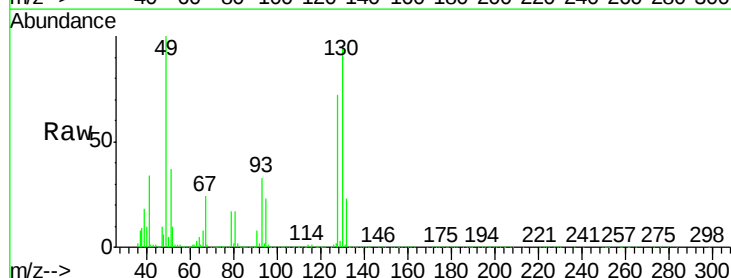
MMDadoda
 8/23/2019 8:41:52 AM

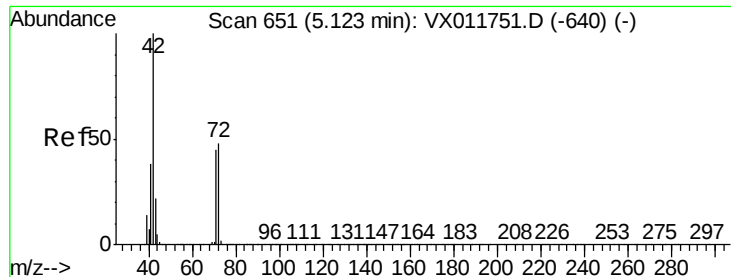


#28

Bromochloromethane
 Concen: 48.704 ug/l
 RT: 5.00 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: VX011756.D
 Acq: 22 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.8
130	99.8	76.8	115.2





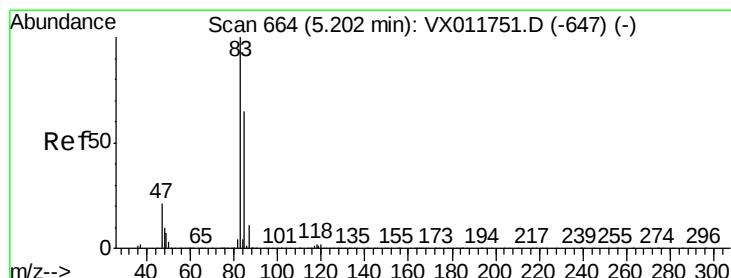
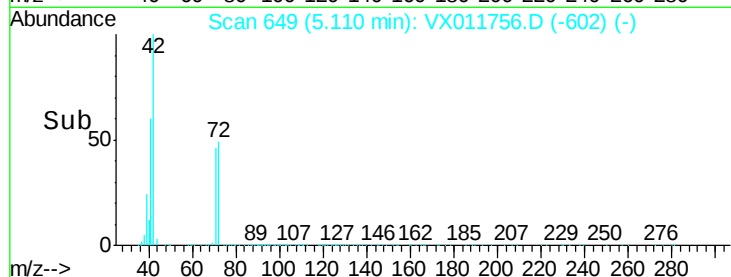
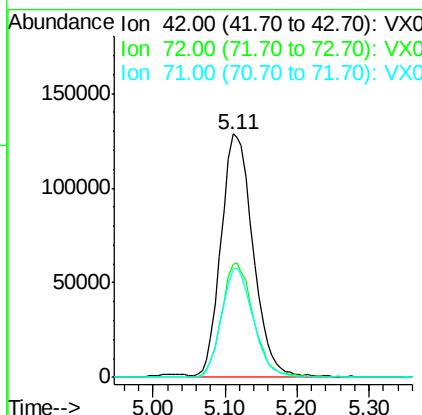
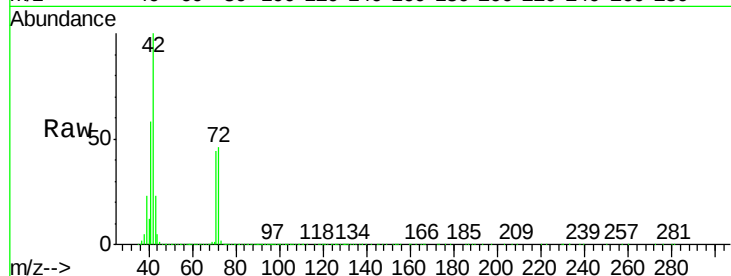
#29
Tetrahydrofuran
Concen: 235.756 ug/l
RT: 5.11 min Scan# 649
Delta R.T. -0.01 min
Lab File: VX011756.D
Acq: 22 Aug 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.6	56.4
71	43.9	34.6	51.8

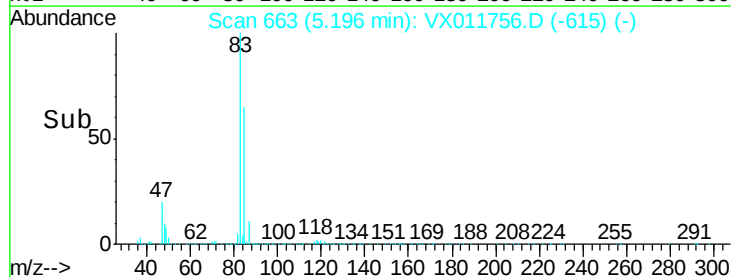
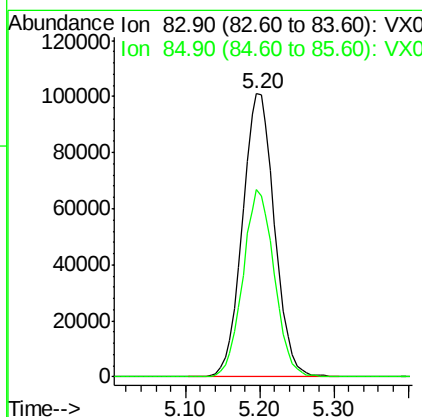
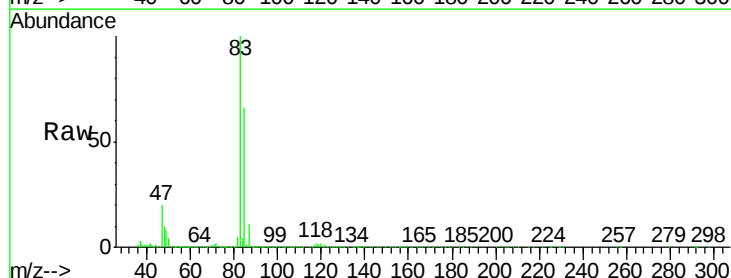
Manual Integrations
APPROVED

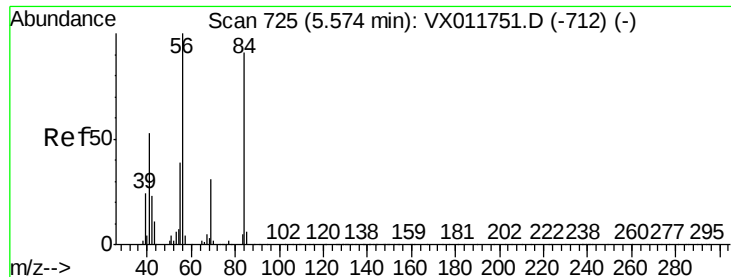
MMDadoda
8/23/2019 8:41:52 AM



#30
Chloroform
Concen: 47.383 ug/l
RT: 5.20 min Scan# 663
Delta R.T. -0.01 min
Lab File: VX011756.D
Acq: 22 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.8	77.8





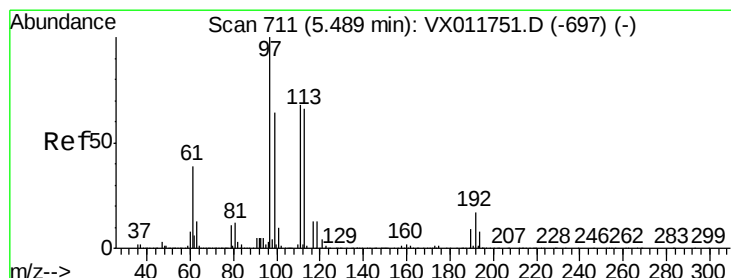
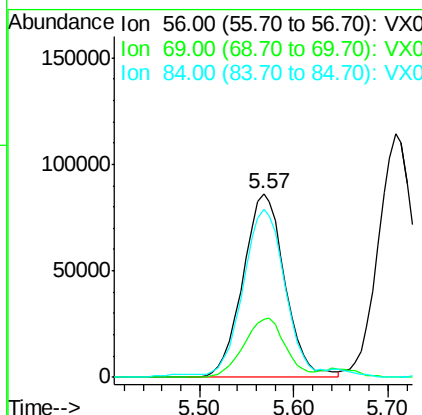
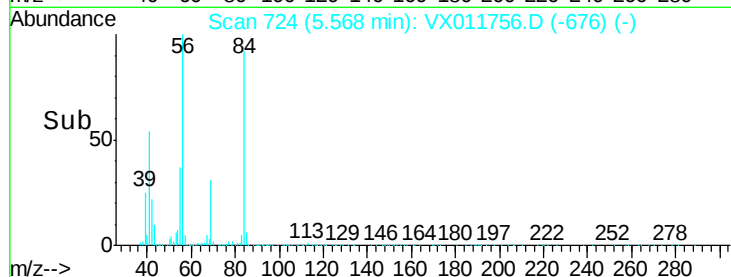
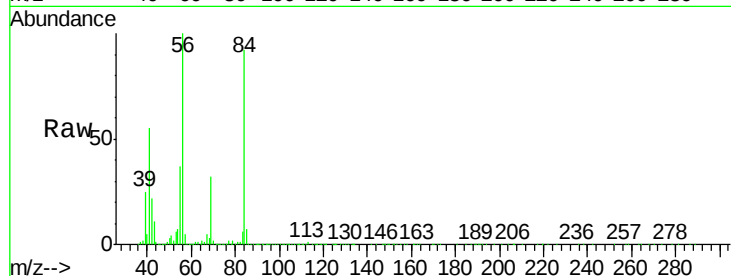
#31
Cvclohexane
Concen: 51.242 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX011756.D
Acq: 22 Aug 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	31.6	24.5	36.7	
84	90.0	72.7	109.1	

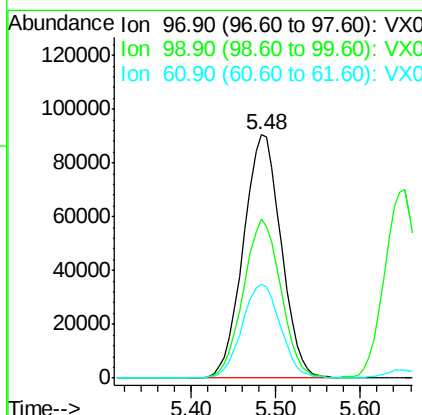
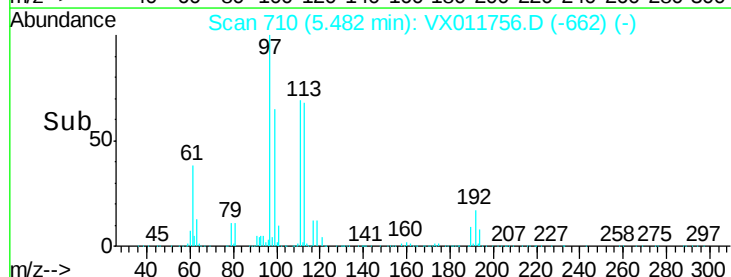
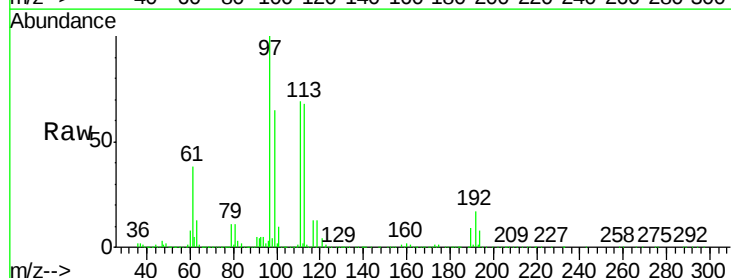
Manual Integrations
APPROVED

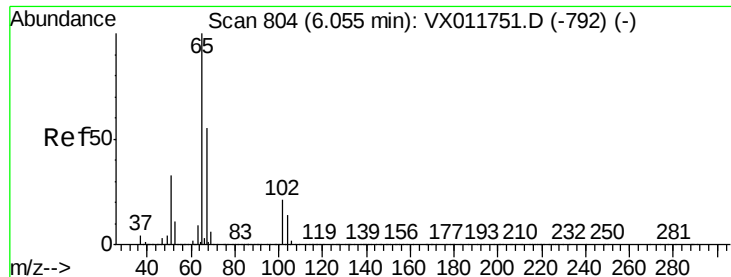
MMDadoda
8/23/2019 8:41:52 AM



#32
1,1,1-Trichloroethane
Concen: 49.568 ug/l
RT: 5.48 min Scan# 710
Delta R.T. -0.01 min
Lab File: VX011756.D
Acq: 22 Aug 2019 12:39

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.3	51.4	77.0	
61	39.0	31.6	47.4	





#33

1,2-Dichloroethane-d4

Concen: 45.815 ug/l

RT: 6.05 min Scan# 803

Delta R.T. -0.01 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 193205

Ion Ratio Lower Upper

65 100

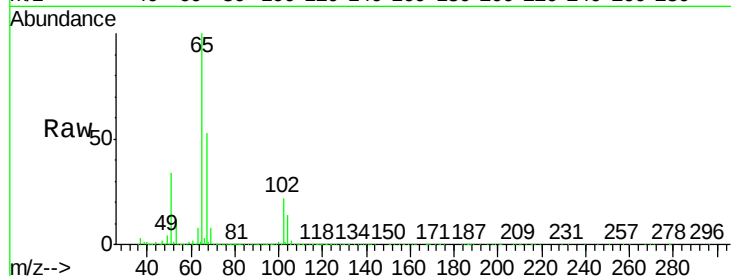
67 53.8 0.0 107.8

Manual Integrations

APPROVED

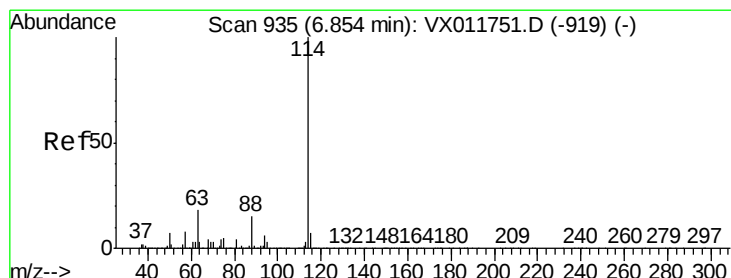
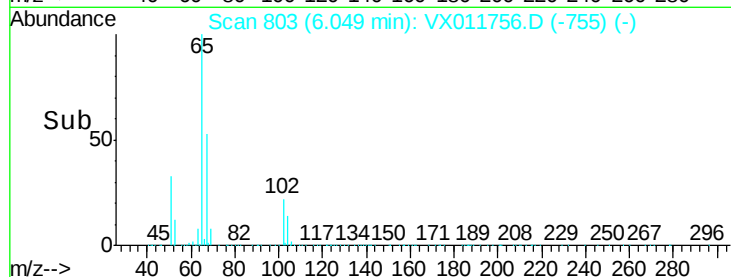
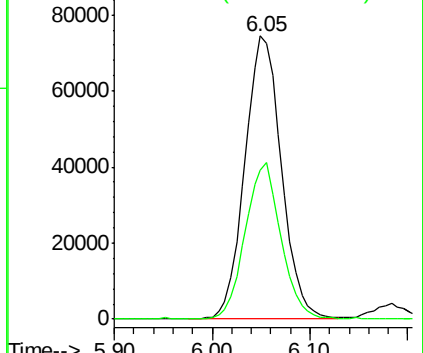
MMDadoda

8/23/2019 8:41:52 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 934

Delta R.T. -0.01 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

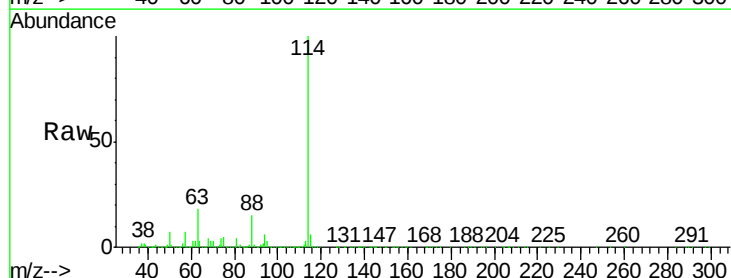
Tgt Ion: 114 Resp: 563561

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.8

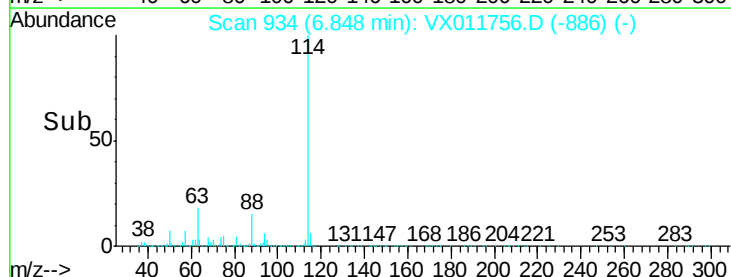
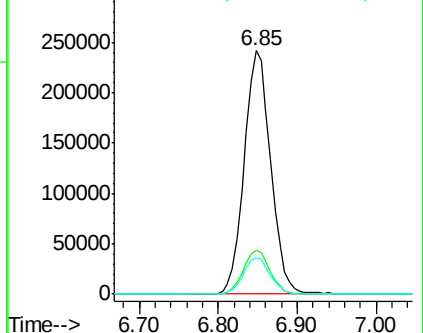
88 14.6 0.0 30.2

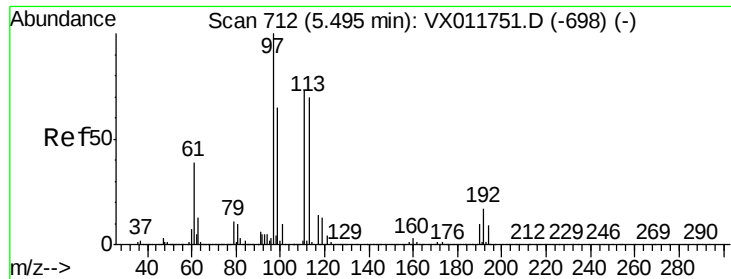


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.182 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Instrument :

MSVOA_X

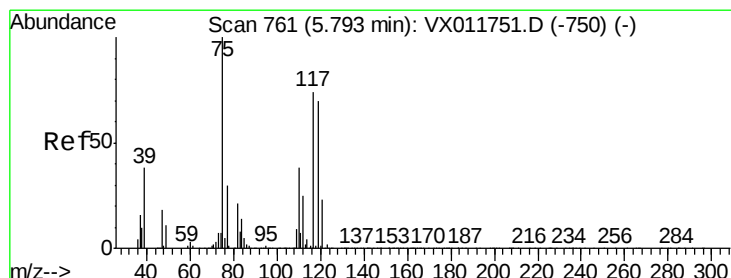
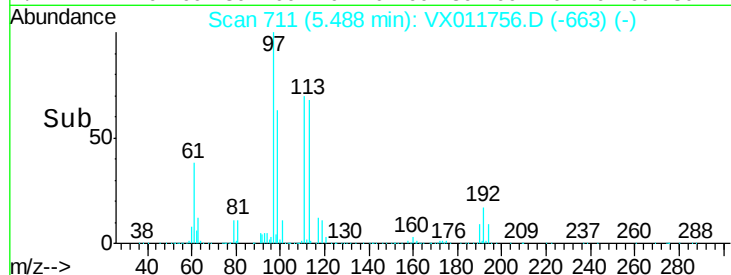
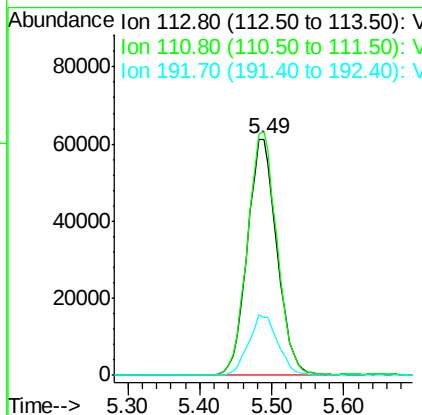
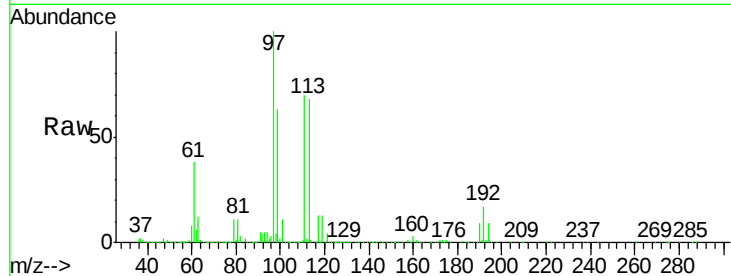
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	175585
Ion Ratio	Lower	Upper	
113	100		
111	102.8	81.0	121.4
192	25.3	19.9	29.9

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:41:52 AM



#36

1,1-Dichloropropene

Concen: 51.289 ug/l

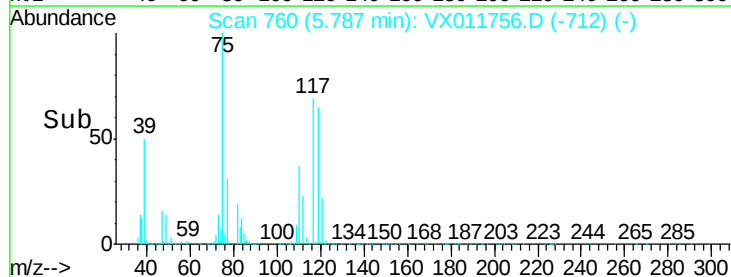
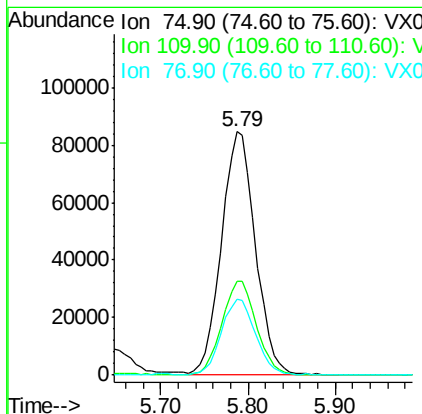
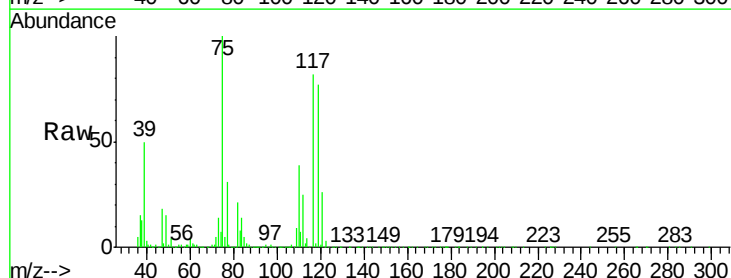
RT: 5.79 min Scan# 760

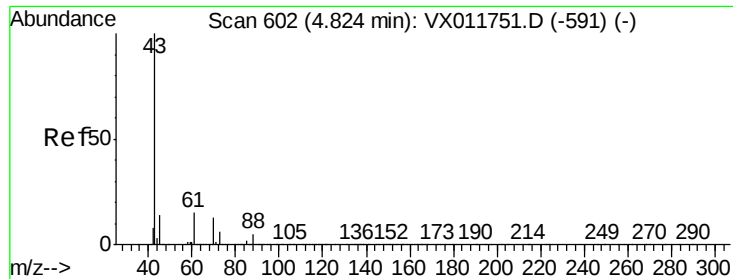
Delta R.T. -0.01 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Tgt Ion:	75	Resp:	226664
Ion Ratio	Lower	Upper	
75	100		
110	39.6	19.0	57.0
77	30.7	24.6	36.8





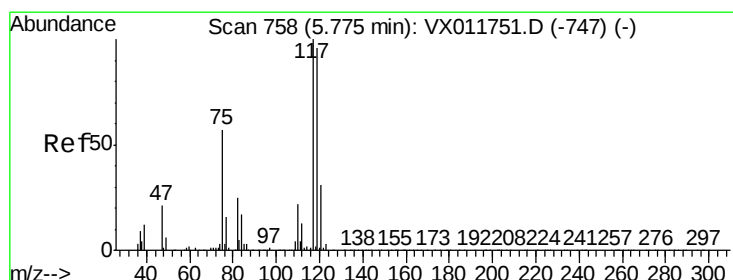
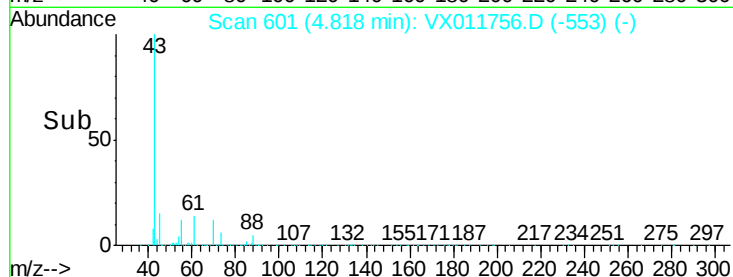
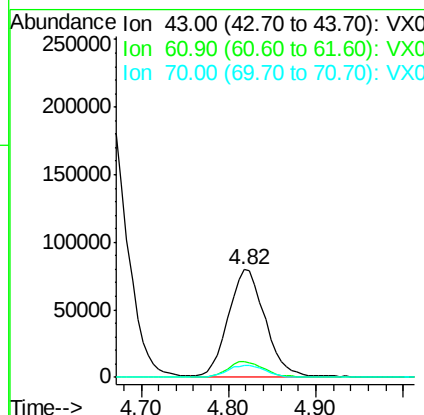
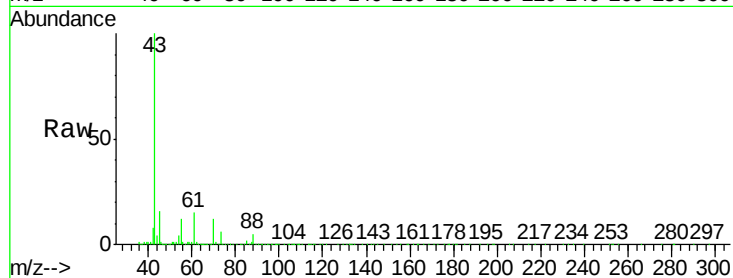
#37
Ethyl Acetate
Concen: 49.559 ug/l
RT: 4.82 min Scan# 601
Delta R.T. -0.01 min
Lab File: VX011756.D
Acq: 22 Aug 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	231774
Ion Ratio	Lower	Upper	
43	100		
61	14.6	11.5	17.3
70	11.3	9.5	14.3

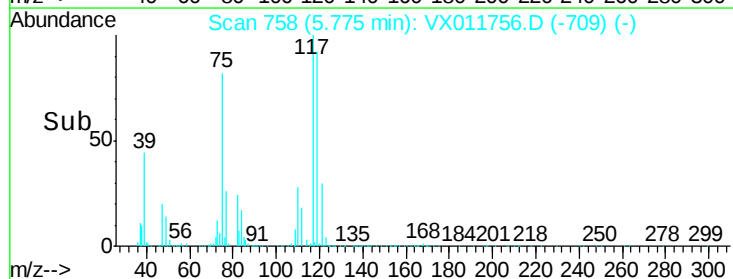
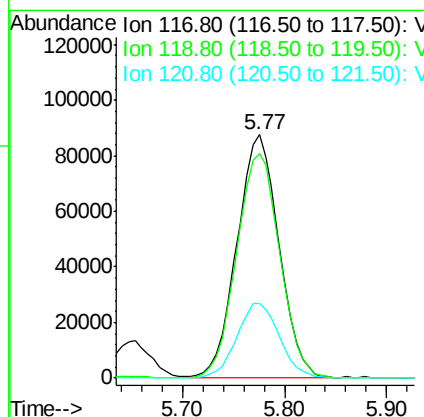
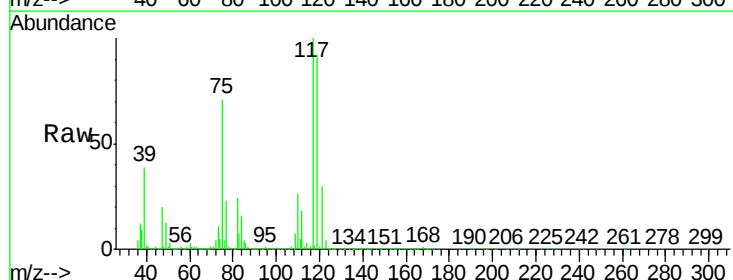
Manual Integrations
APPROVED

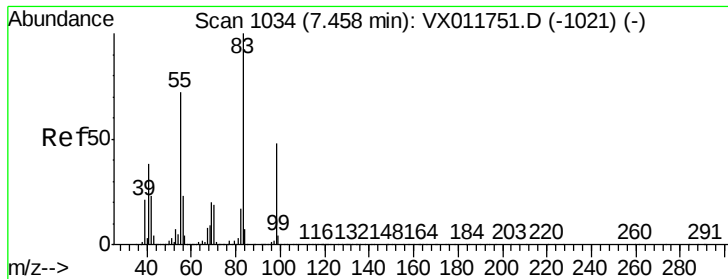
MMDadoda
8/23/2019 8:41:52 AM



#38
Carbon Tetrachloride
Concen: 49.720 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.00 min
Lab File: VX011756.D
Acq: 22 Aug 2019 12:39

Tgt Ion	117	Resp	249020
Ion Ratio	Lower	Upper	
117	100		
119	92.2	76.6	114.8
121	30.4	25.2	37.8





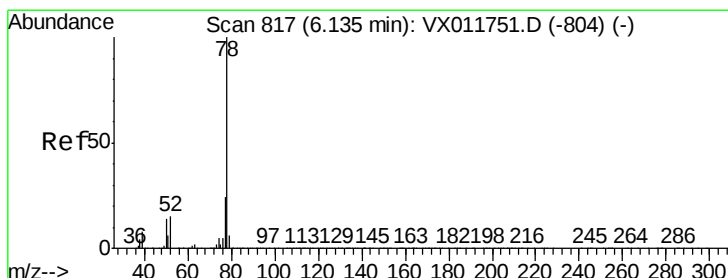
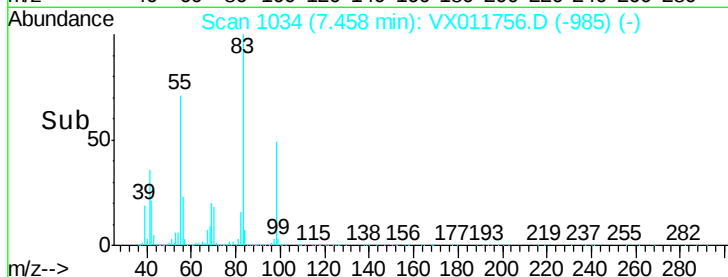
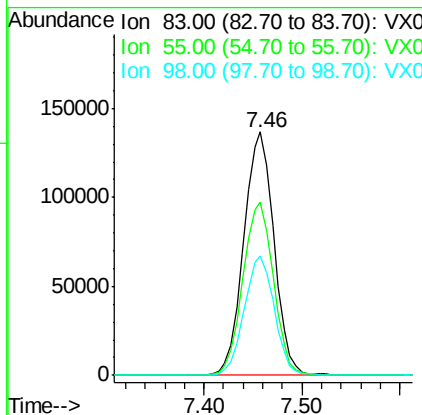
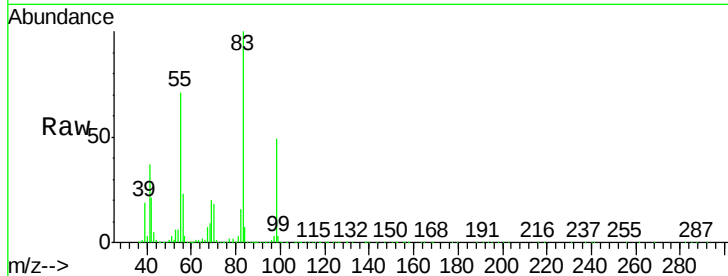
#39
Methvlcvclohexane
Concen: 53.571 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX011756.D
Acq: 22 Aug 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.0	57.8	86.6
98	48.9	38.6	58.0

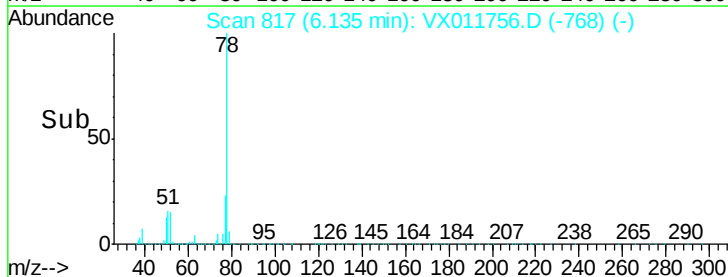
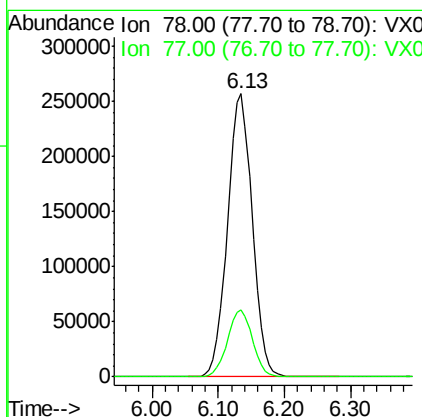
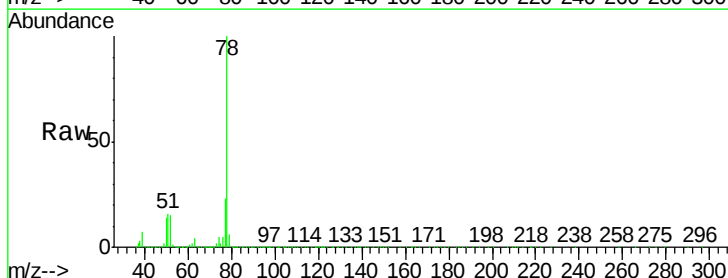
Manual Integrations
APPROVED

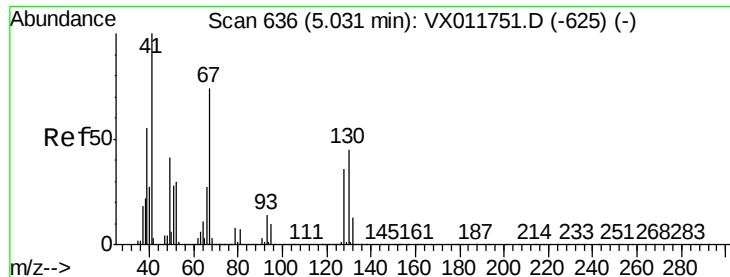
MMDadoda
8/23/2019 8:41:52 AM



#40
Benzene
Concen: 48.857 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.00 min
Lab File: VX011756.D
Acq: 22 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7





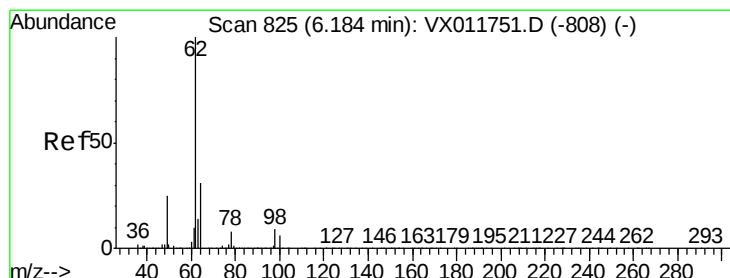
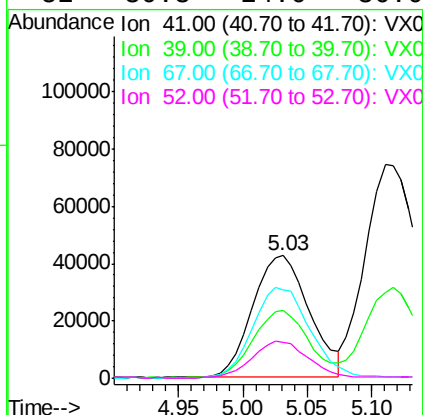
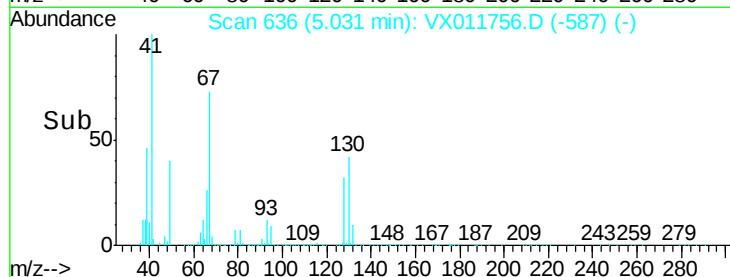
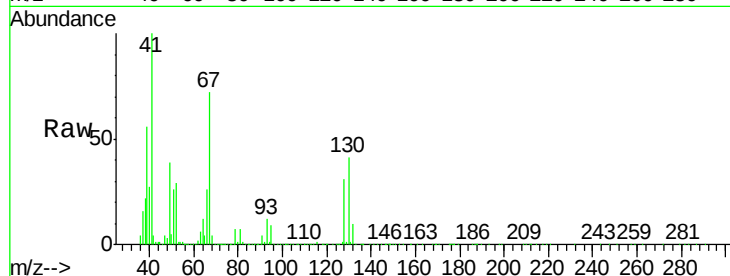
#41
Methacrylonitrile
Concen: 48.164 ug/l
RT: 5.03 min Scan# 636
Delta R.T. -0.00 min
Lab File: VX011756.D
Acq: 22 Aug 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	53.9	44.3	66.5		
67	75.8	60.3	90.5		
52	30.3	24.0	36.0		

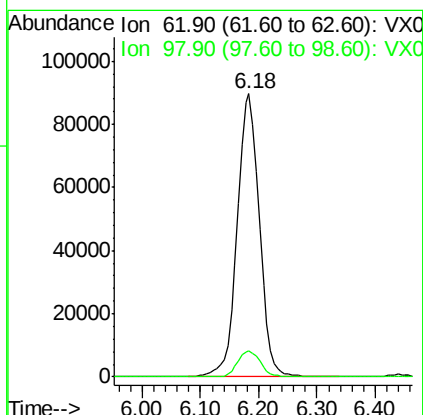
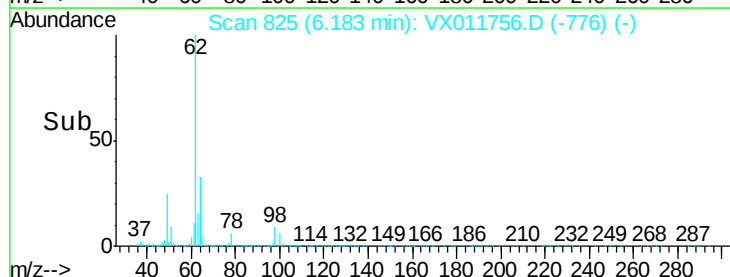
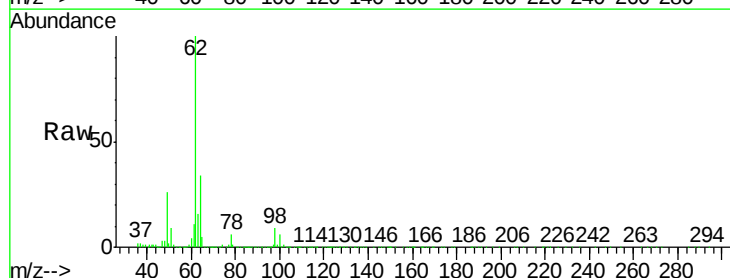
Manual Integrations
APPROVED

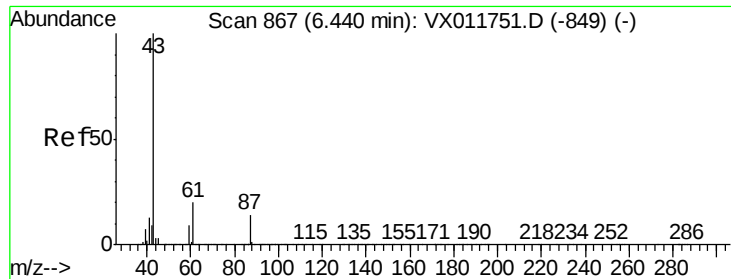
MMDadoda
8/23/2019 8:41:52 AM



#42
1,2-Dichloroethane
Concen: 47.604 ug/l
RT: 6.18 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX011756.D
Acq: 22 Aug 2019 12:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	9.4	0.0	18.8		





#43

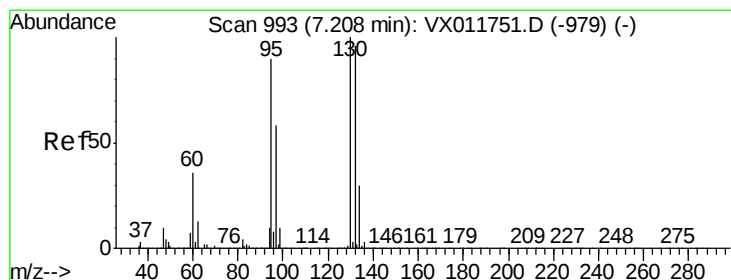
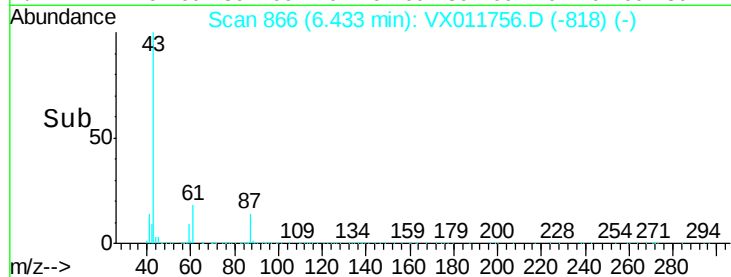
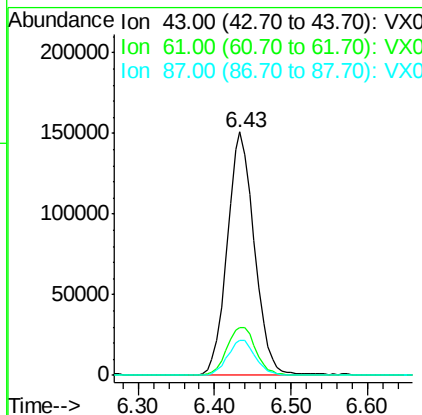
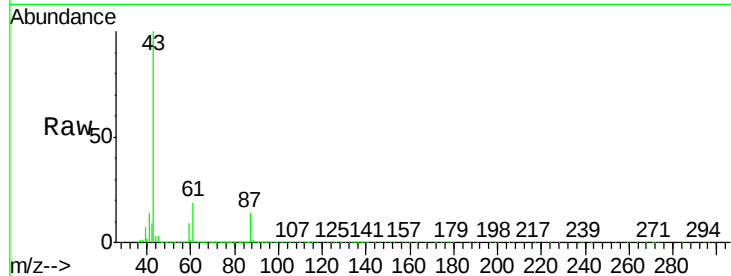
Isopropyl Acetate
 Concen: 48.593 ug/l
 RT: 6.43 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VX011756.D
 Acq: 22 Aug 2019 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	43	Resp:	367819
Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.2	24.2
87	14.9	11.6	17.4

Manual Integrations
 APPROVED

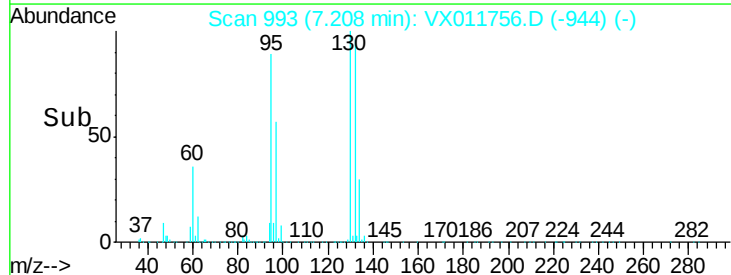
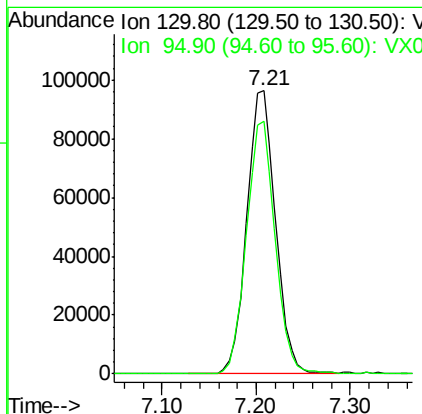
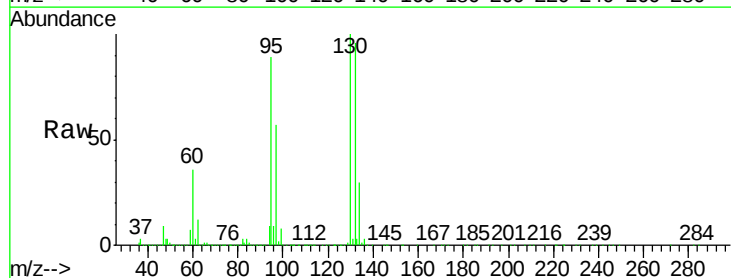
MMDadoda
 8/23/2019 8:41:52 AM

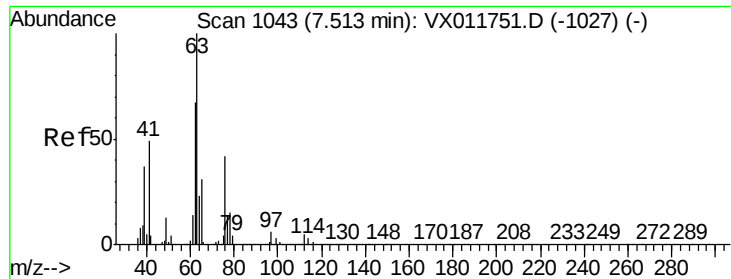


#44

Trichloroethene
 Concen: 49.141 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VX011756.D
 Acq: 22 Aug 2019 12:39

Tgt Ion:	130	Resp:	207093
Ion	Ratio	Lower	Upper
130	100		
95	89.1	0.0	179.0





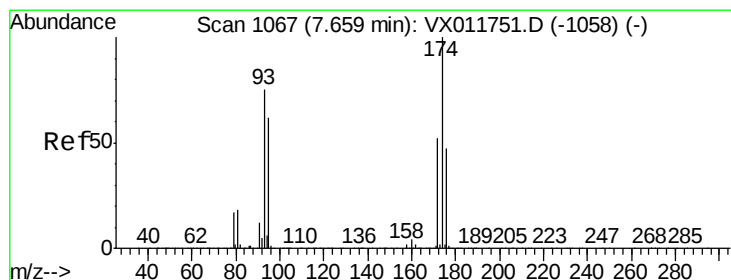
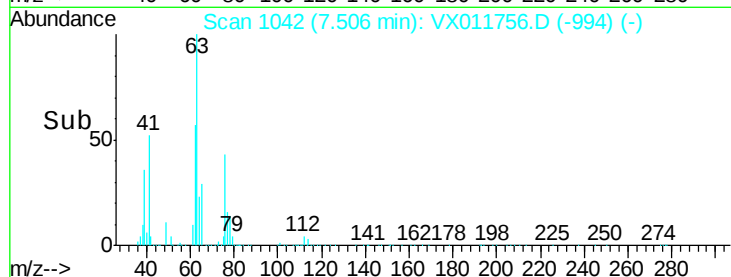
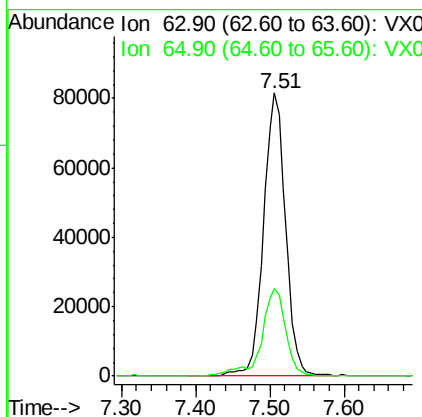
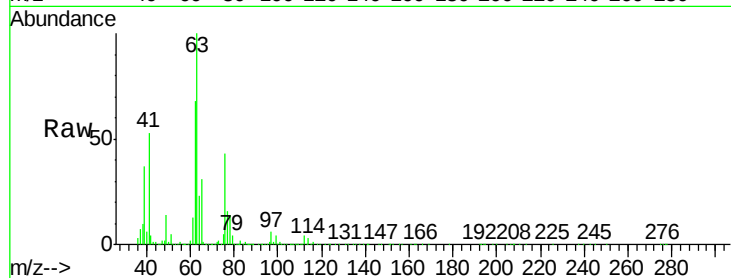
#45
 1,2-Dichloropropane
 Concen: 49.105 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX011756.D
 Acq: 22 Aug 2019 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.8	37.2

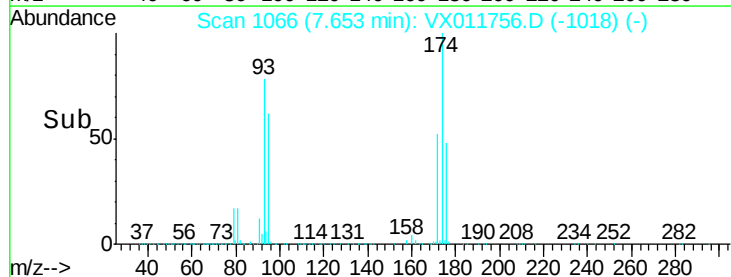
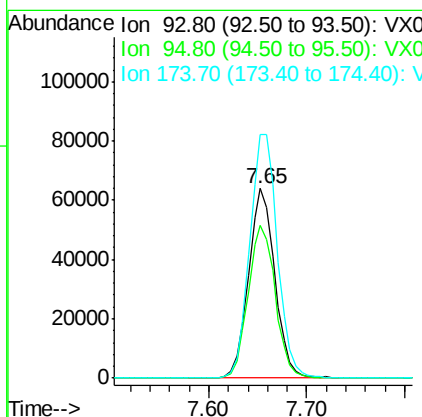
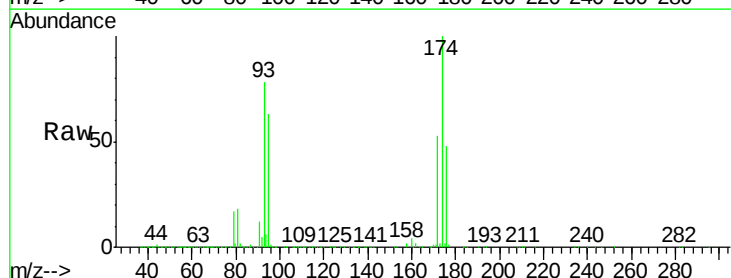
Manual Integrations
 APPROVED

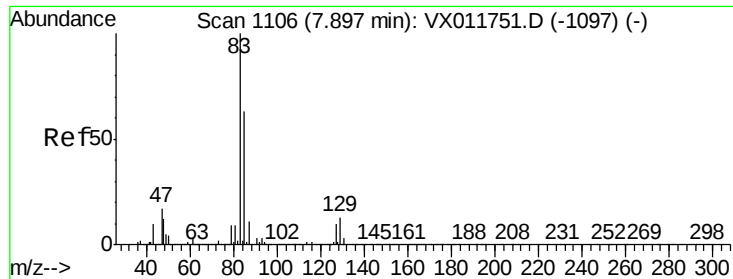
MMDadoda
 8/23/2019 8:41:52 AM



#46
 Dibromomethane
 Concen: 47.350 ug/l
 RT: 7.65 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: VX011756.D
 Acq: 22 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.2	99.2
174	134.9	104.2	156.4





#47

Bromodichloromethane

Concen: 48.764 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Instrument :

MSVOA_X

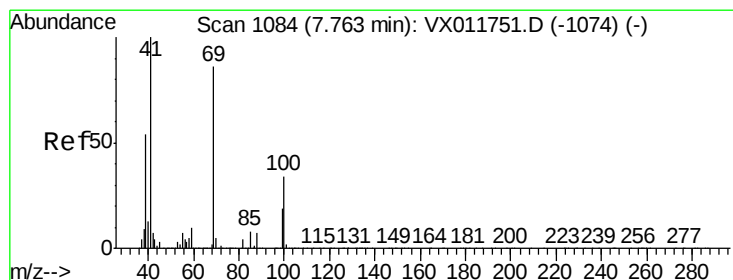
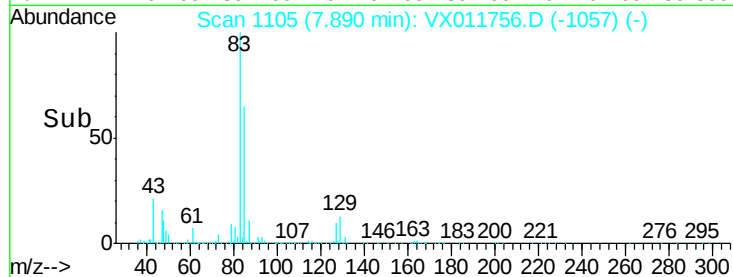
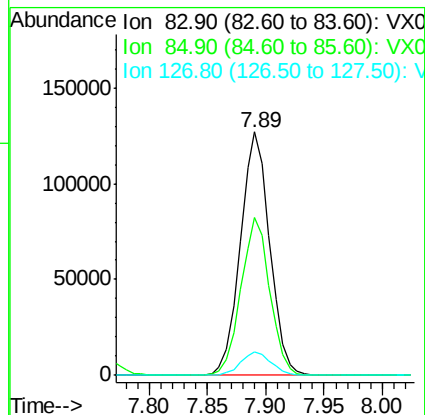
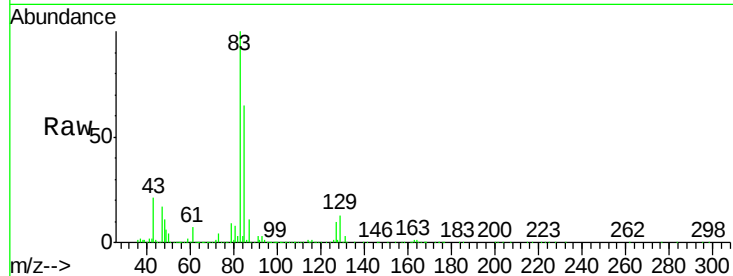
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	222386
Ion Ratio	Lower	Upper	
83	100		
85	64.9	50.6	76.0
127	9.8	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:41:52 AM



#48

Methyl methacrylate

Concen: 50.061 ug/l

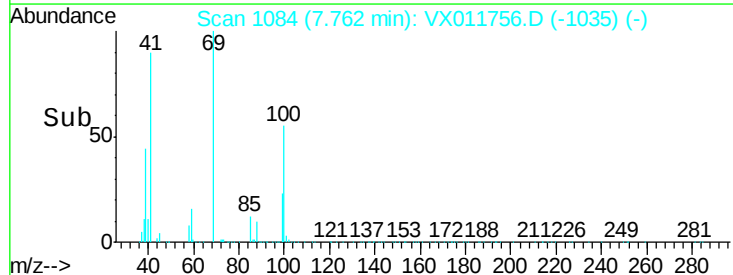
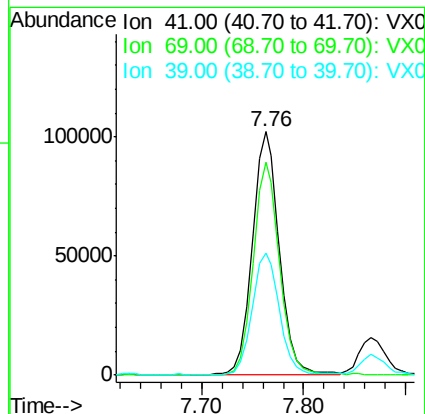
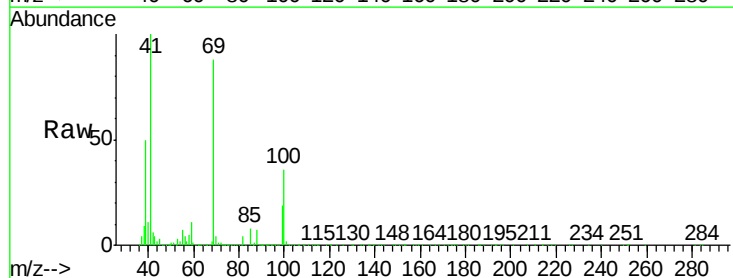
RT: 7.76 min Scan# 1084

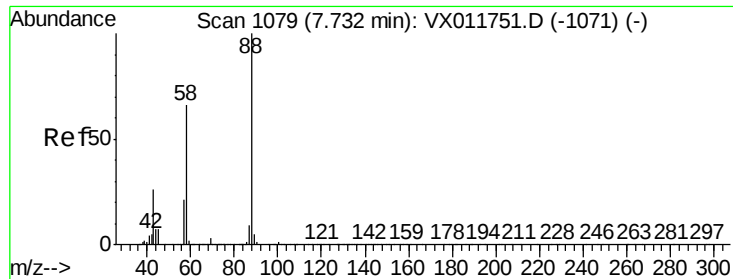
Delta R.T. -0.00 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Tgt Ion:	41	Resp:	188582
Ion Ratio	Lower	Upper	
41	100		
69	84.9	69.4	104.2
39	50.7	43.6	65.4





#49

1,4-Dioxane

Concen: 942.874 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Instrument :

MSVOA_X

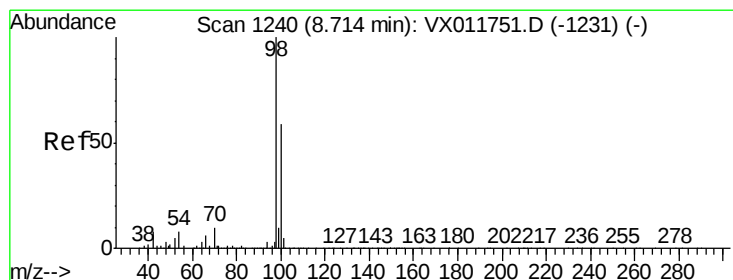
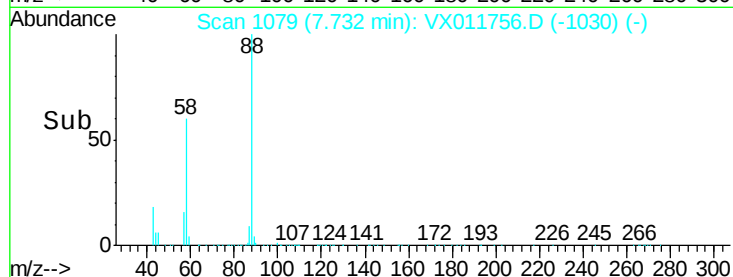
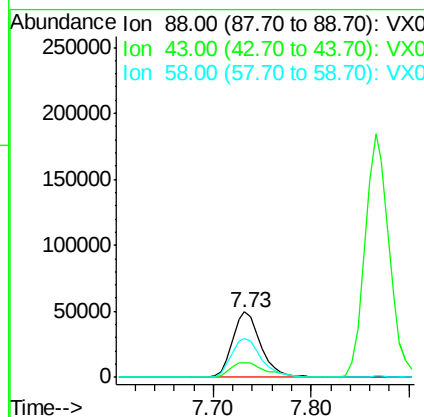
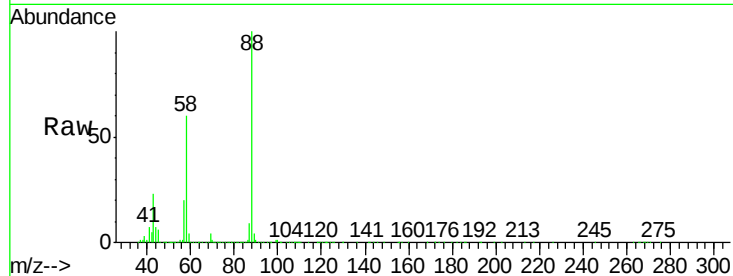
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	98411
Ion Ratio	Lower	Upper	
88	100		
43	28.0	24.6	37.0
58	63.8	51.4	77.2

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:41:52 AM



#50

Toluene-d8

Concen: 50.579 ug/l

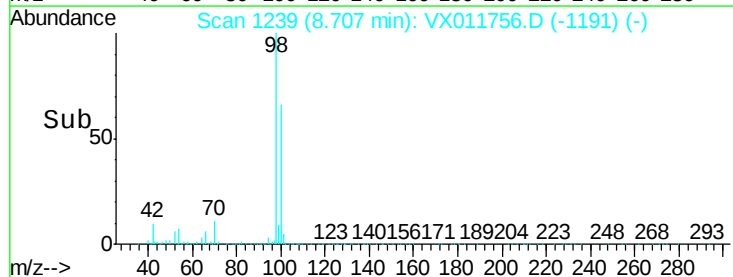
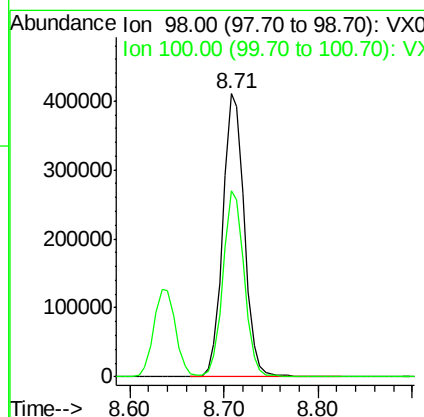
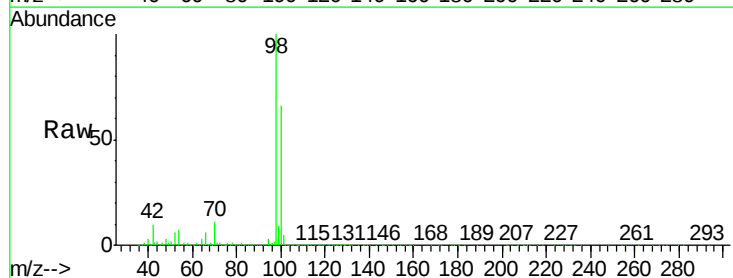
RT: 8.71 min Scan# 1239

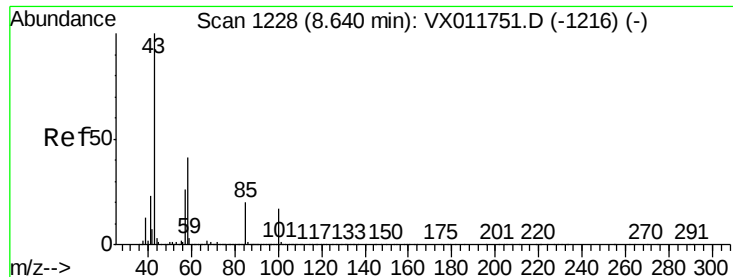
Delta R.T. -0.01 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Tgt Ion:	98	Resp:	642914
Ion Ratio	Lower	Upper	
98	100		
100	65.4	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 240.078 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1197431

Ion Ratio Lower Upper

43 100

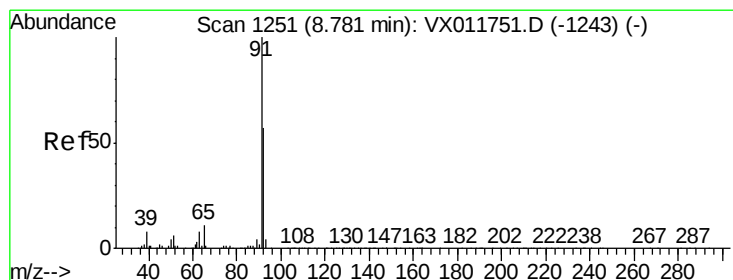
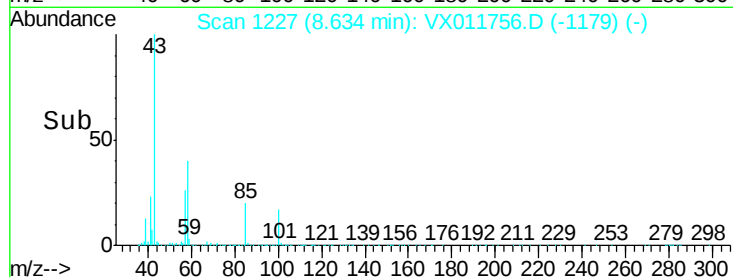
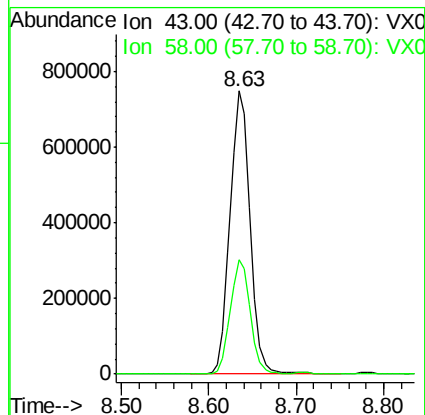
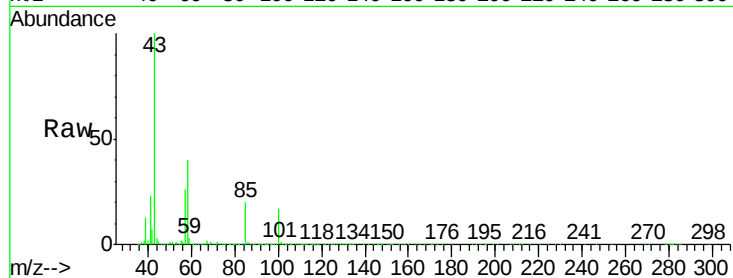
58 40.1 31.8 47.6

Manual Integrations

APPROVED

MMDadoda

8/23/2019 8:41:52 AM



#52

Toluene

Concen: 49.387 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011756.D

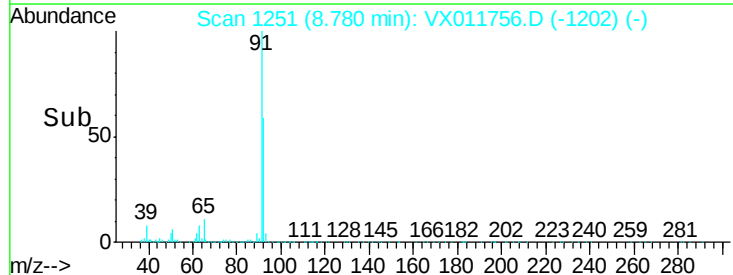
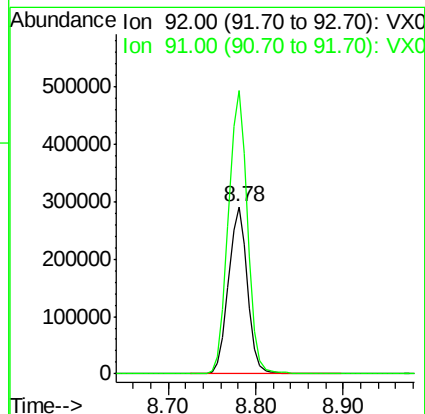
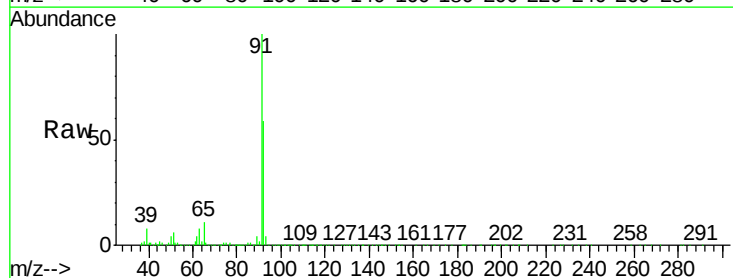
Acq: 22 Aug 2019 12:39

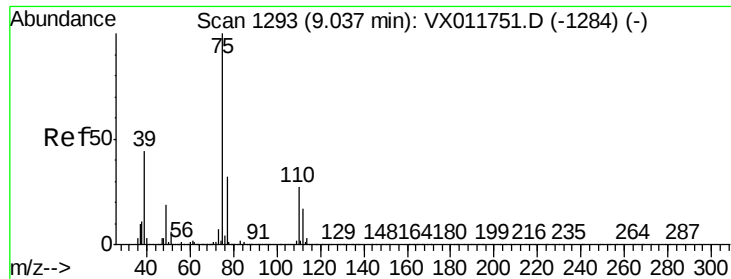
Tgt Ion: 92 Resp: 436912

Ion Ratio Lower Upper

92 100

91 171.5 138.6 207.8





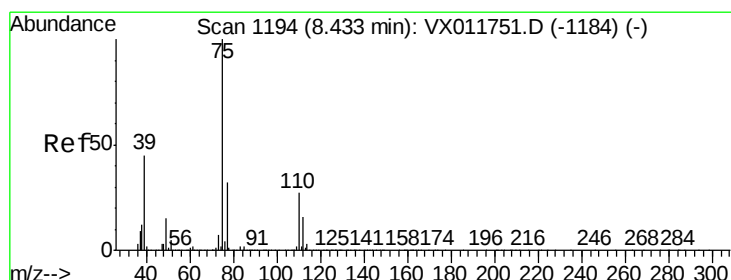
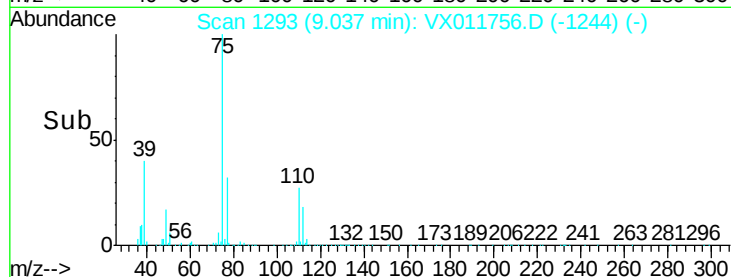
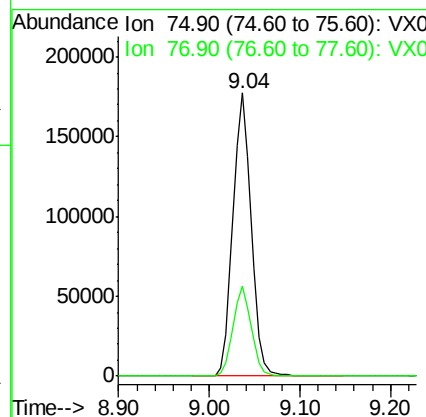
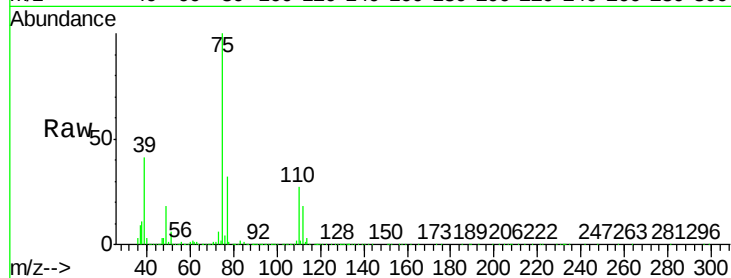
#53
t-1,3-Dichloropropene
Concen: 51.913 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX011756.D
Acq: 22 Aug 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0

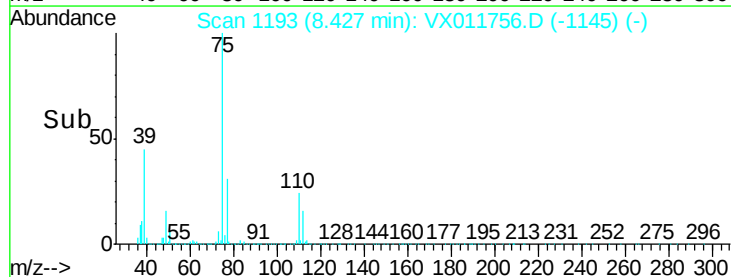
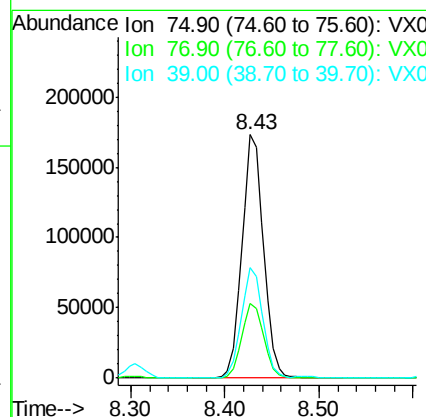
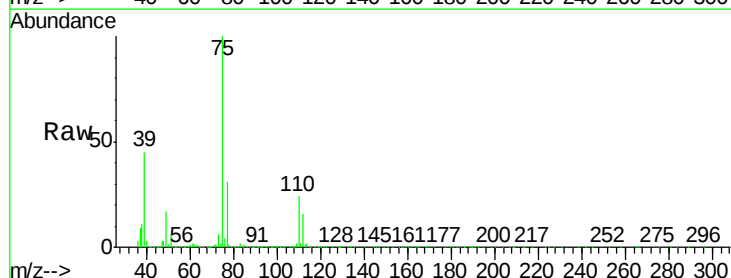
Manual Integrations
APPROVED

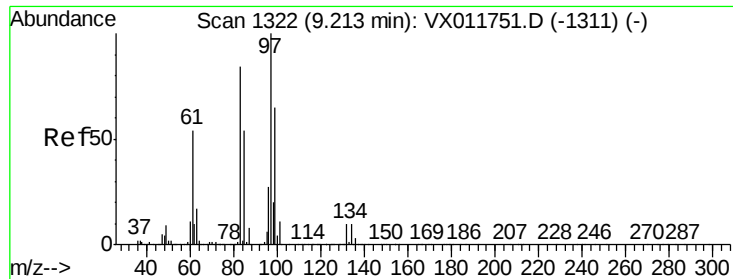
MMDadoda
8/23/2019 8:41:52 AM



#54
cis-1,3-Dichloropropene
Concen: 52.506 ug/l
RT: 8.43 min Scan# 1193
Delta R.T. -0.01 min
Lab File: VX011756.D
Acq: 22 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.2
39	45.3	36.2	54.4





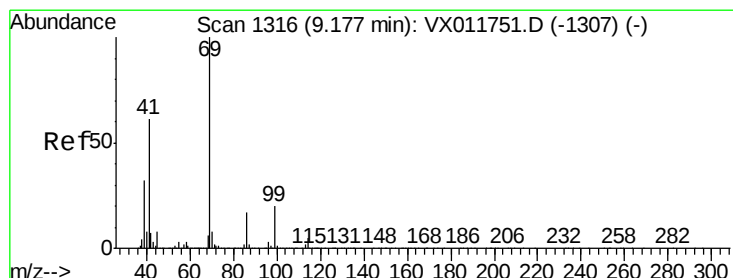
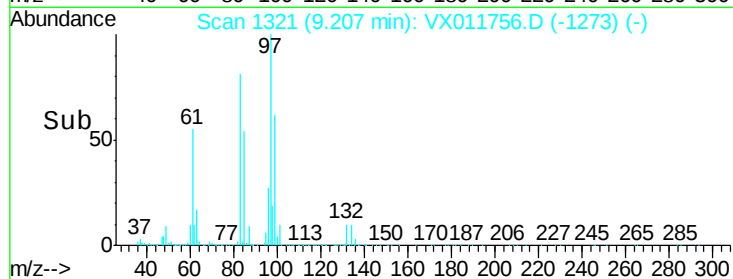
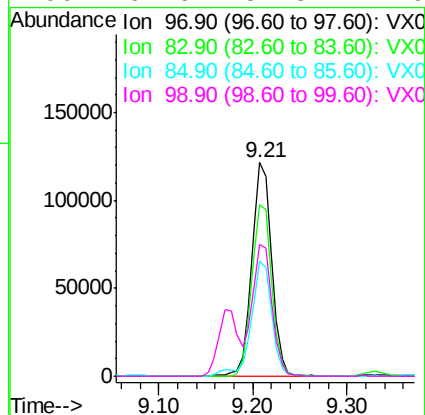
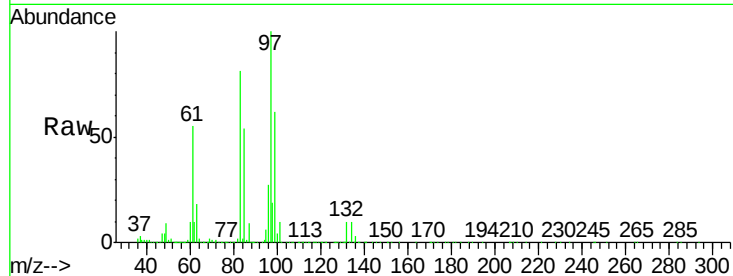
#55
 1,1,2-Trichloroethane
 Concen: 49.033 ug/l
 RT: 9.21 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VX011756.D
 Acq: 22 Aug 2019 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		180724		
83	80.5	67.3	100.9		
85	53.9	43.4	65.2		
99	61.6	51.8	77.6		

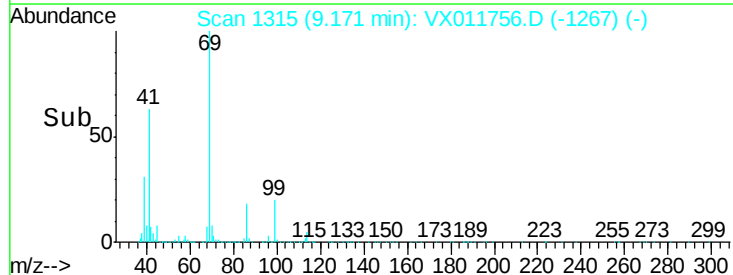
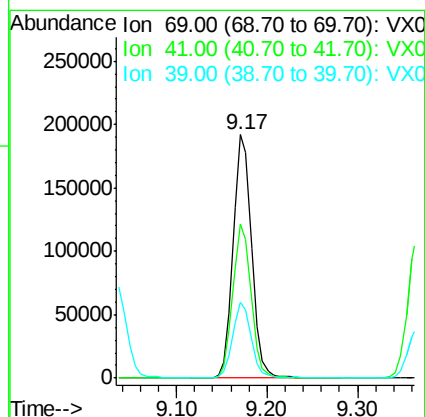
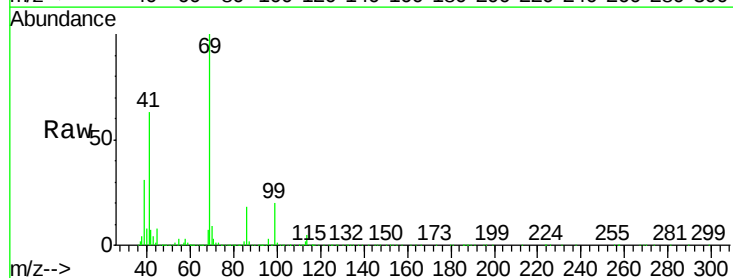
Manual Integrations
 APPROVED

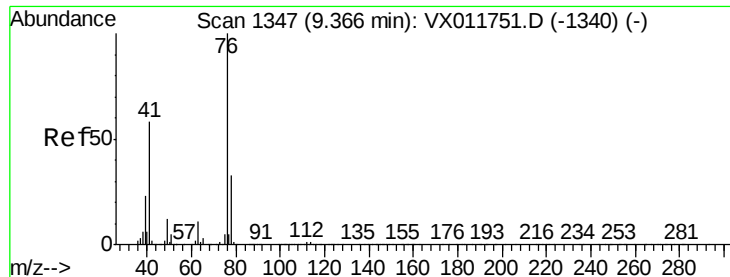
MMDadoda
 8/23/2019 8:41:52 AM



#56
 Ethyl methacrylate
 Concen: 51.689 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VX011756.D
 Acq: 22 Aug 2019 12:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		270946		
41	62.7	50.7	76.1		
39	31.2	26.4	39.6		





#57

1,3-Dichloropropane

Concen: 47.617 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 283389

Ion Ratio Lower Upper

76 100

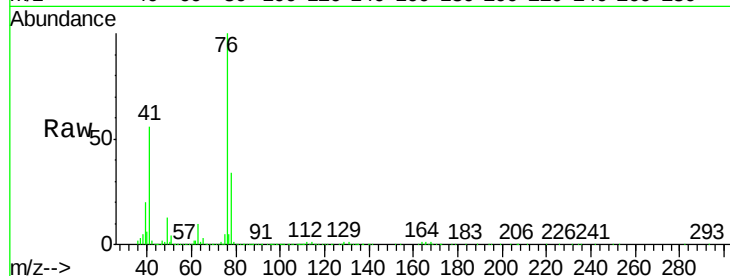
78 32.9 26.6 39.8

Manual Integrations

APPROVED

MMDadoda

8/23/2019 8:41:52 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

200000

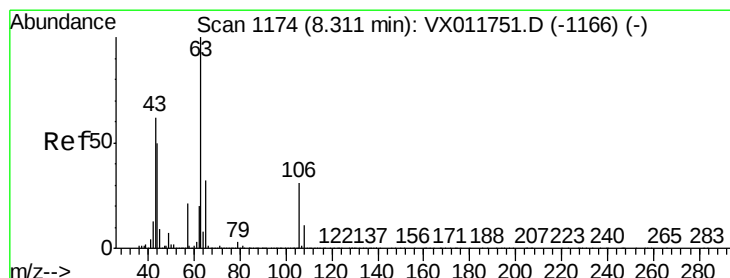
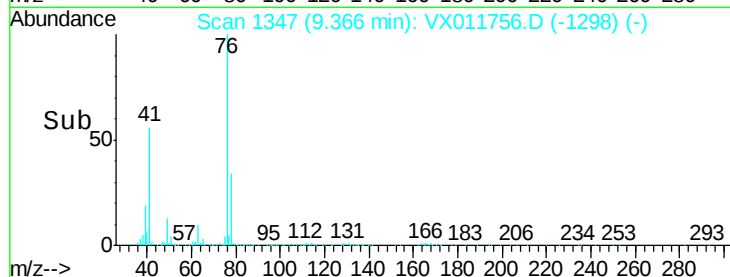
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 267.020 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX011756.D

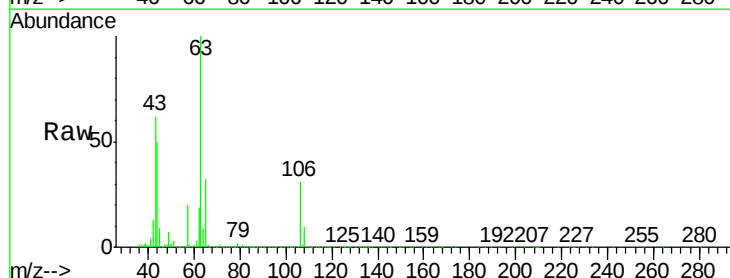
Acq: 22 Aug 2019 12:39

Tgt Ion: 63 Resp: 736278

Ion Ratio Lower Upper

63 100

106 31.2 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.30

500000

400000

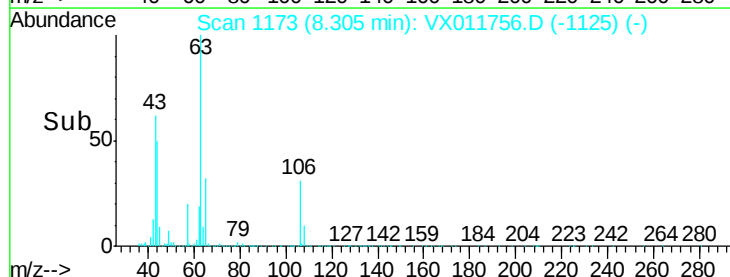
300000

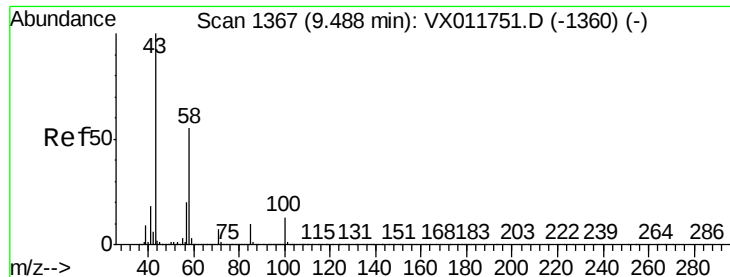
200000

100000

0

Time-->





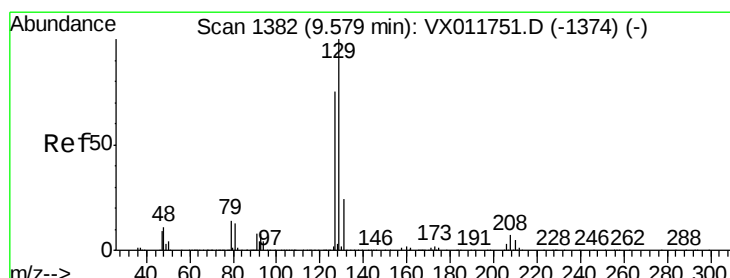
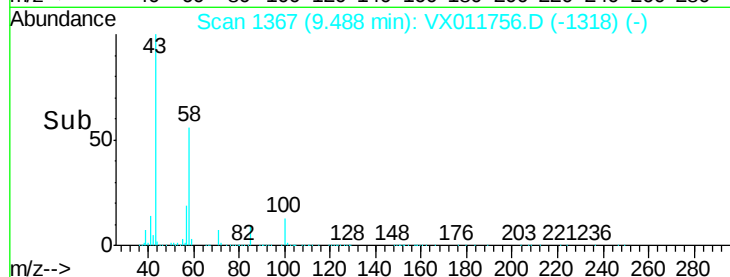
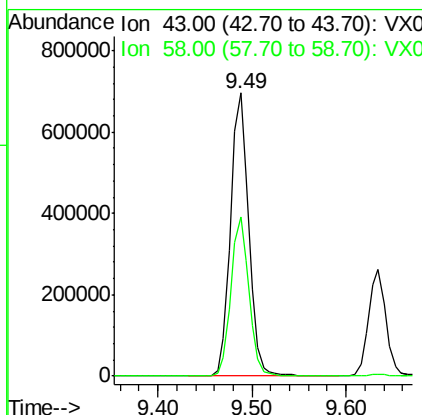
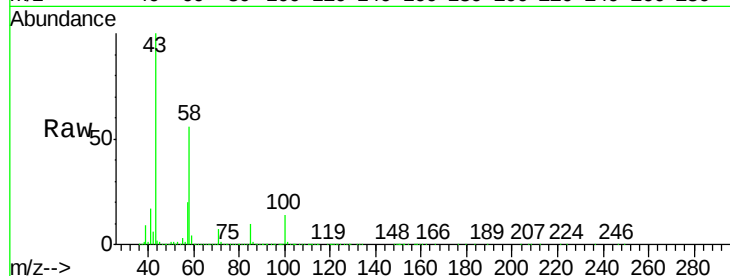
#59
2-Hexanone
Concen: 243.691 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011756.D
Acq: 22 Aug 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.9	27.7	83.1

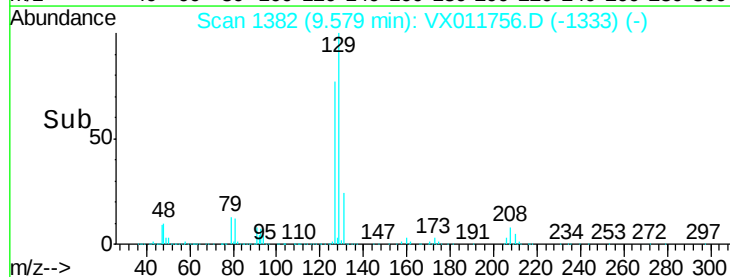
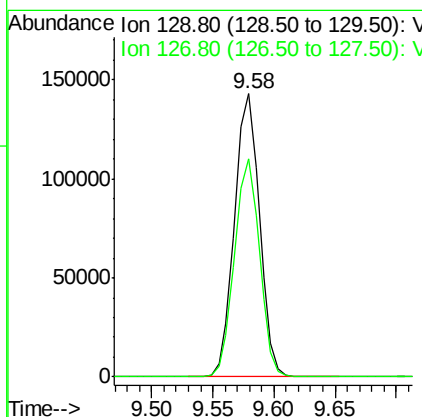
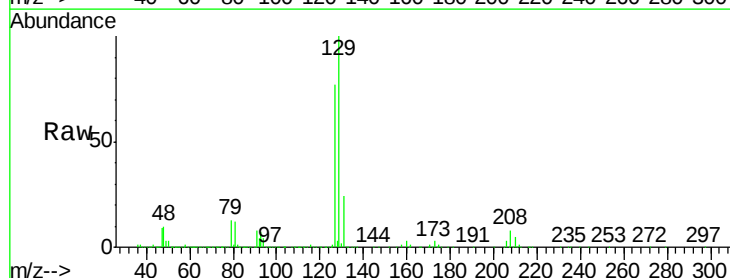
Manual Integrations
APPROVED

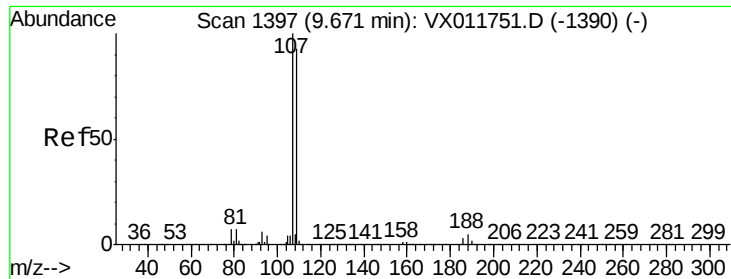
MMDadoda
8/23/2019 8:41:52 AM



#60
Dibromochloromethane
Concen: 50.814 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX011756.D
Acq: 22 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.3	114.8





#61

1,2-Dibromoethane

Concen: 49.506 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 195790

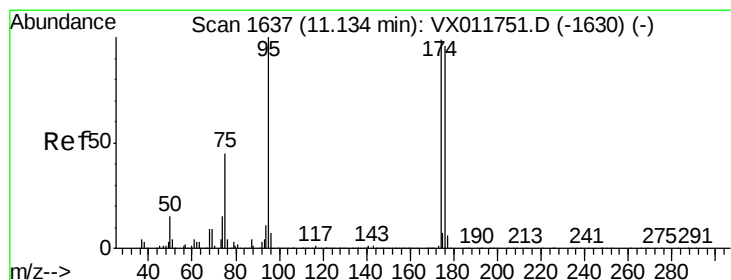
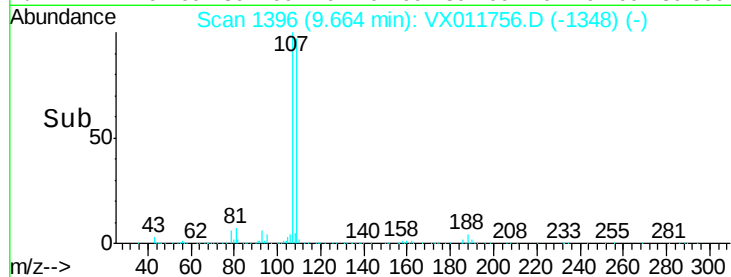
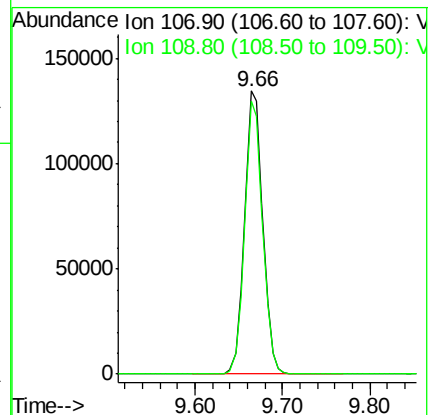
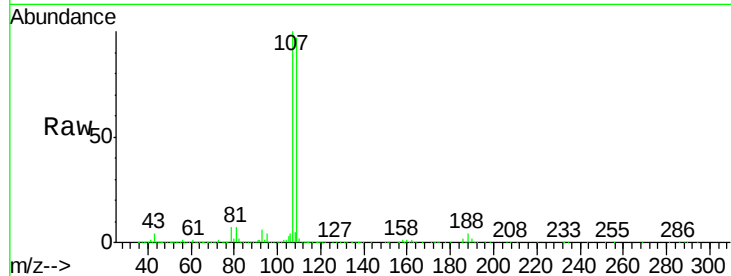
Ion Ratio Lower Upper

107 100

109 95.1 75.8 113.8

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:41:52 AM



#62

4-Bromofluorobenzene

Concen: 48.066 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

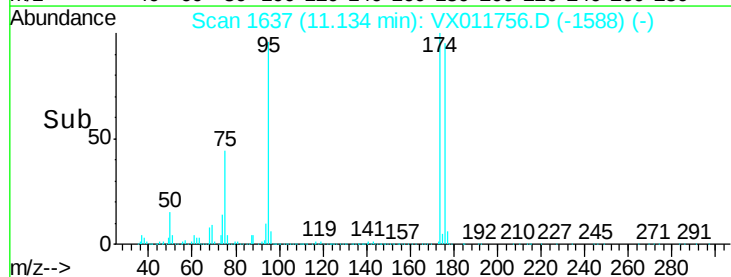
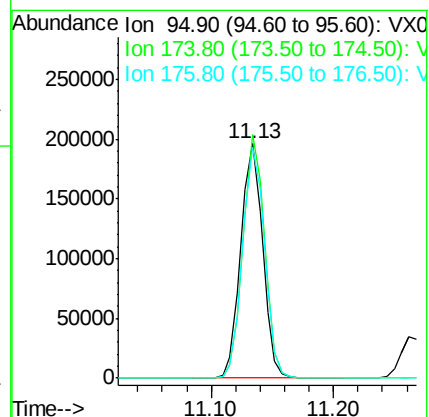
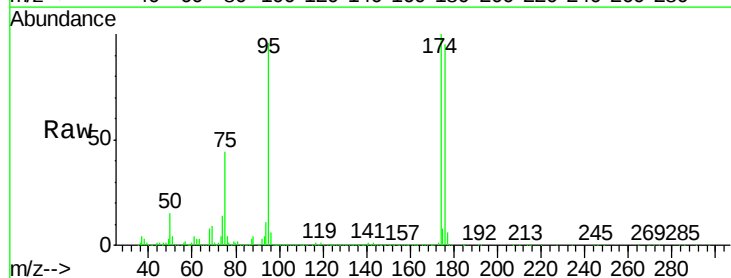
Tgt Ion: 95 Resp: 241492

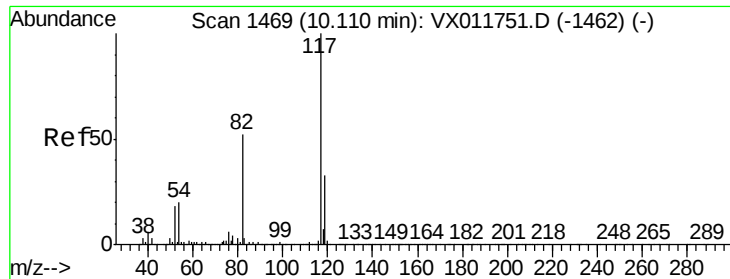
Ion Ratio Lower Upper

95 100

174 102.6 0.0 197.4

176 99.8 0.0 194.4





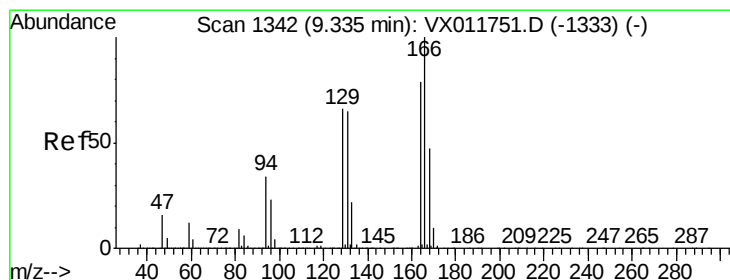
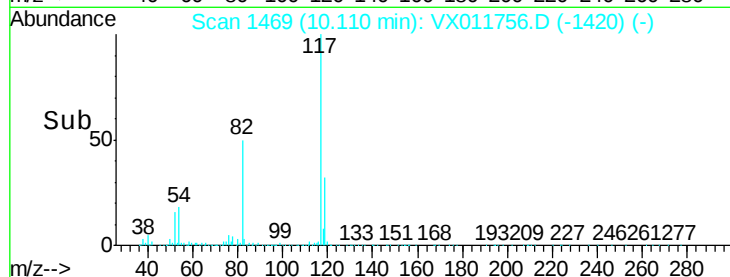
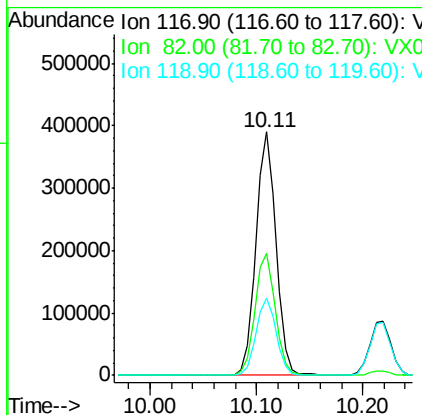
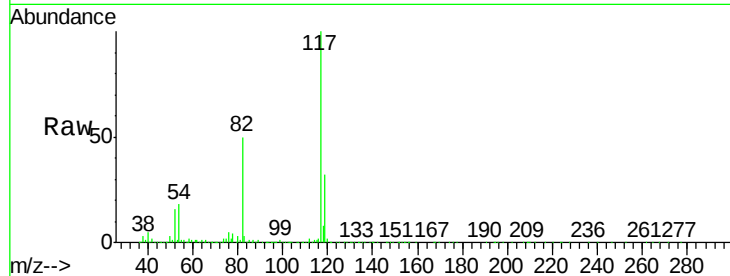
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011756.D
Acq: 22 Aug 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	517343		
82	50.0	41.7	62.5	
119	31.9	26.2	39.2	

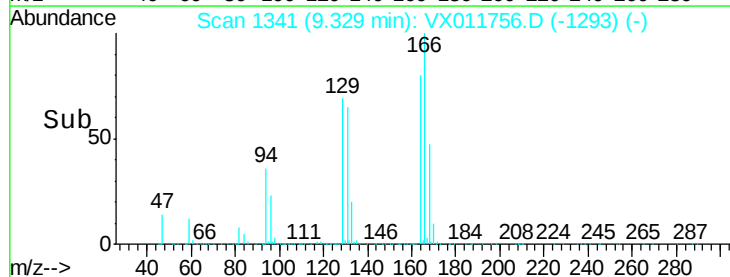
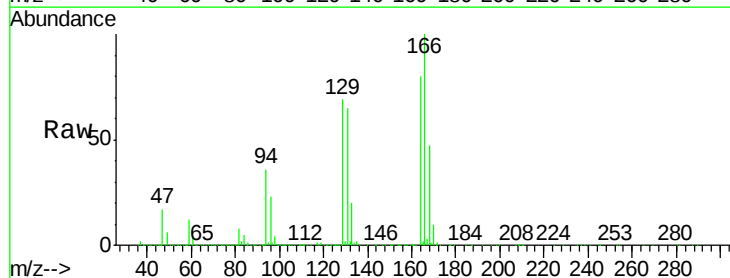
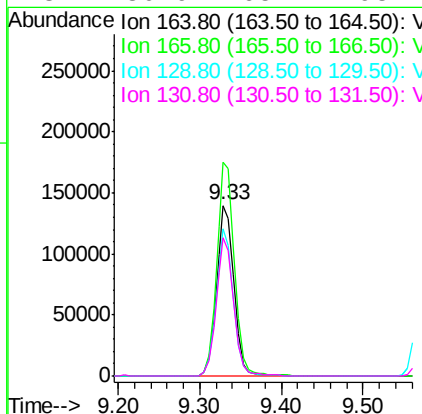
Manual Integrations
APPROVED

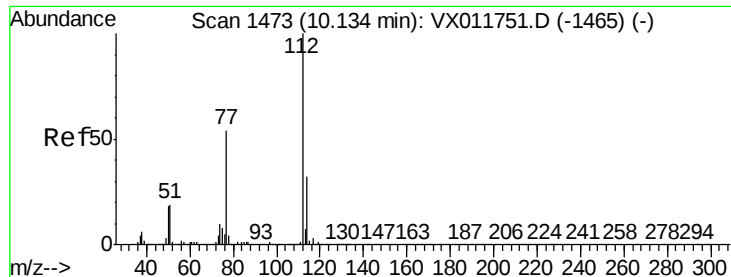
MMDadoda
8/23/2019 8:41:52 AM



#64
Tetrachloroethene
Concen: 50.722 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX011756.D
Acq: 22 Aug 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	209344		
166	125.0	100.7	151.1	
129	85.8	66.8	100.2	
131	80.9	65.4	98.2	





#65

Chlorobenzene

Concen: 48.839 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 493290

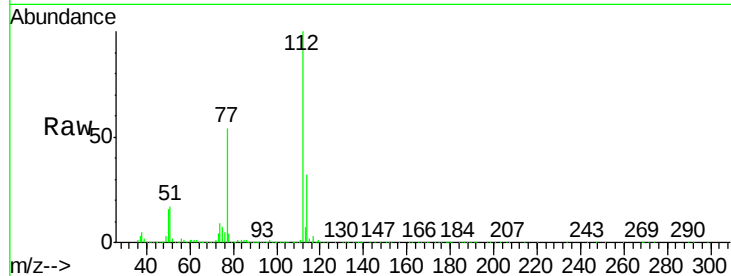
Ion Ratio Lower Upper

112 100

114 32.1 25.4 38.0

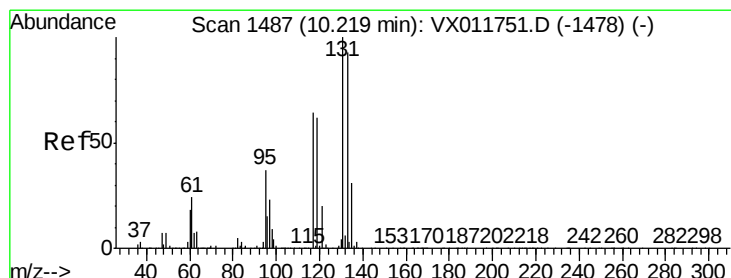
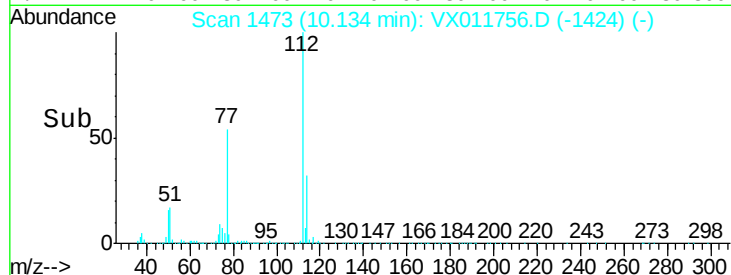
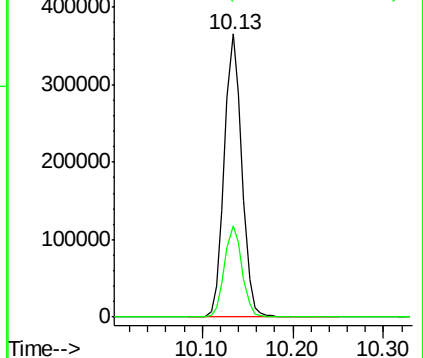
Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:41:52 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: 50.135 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

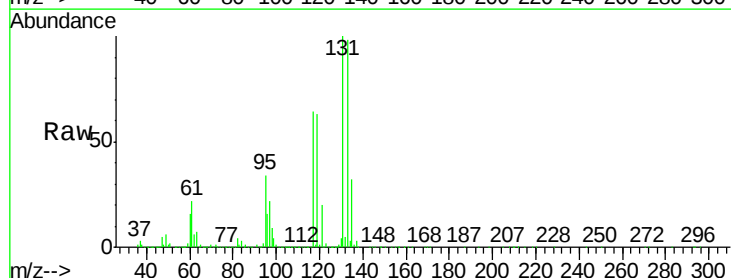
Tgt Ion:131 Resp: 189726

Ion Ratio Lower Upper

131 100

133 96.3 47.8 143.4

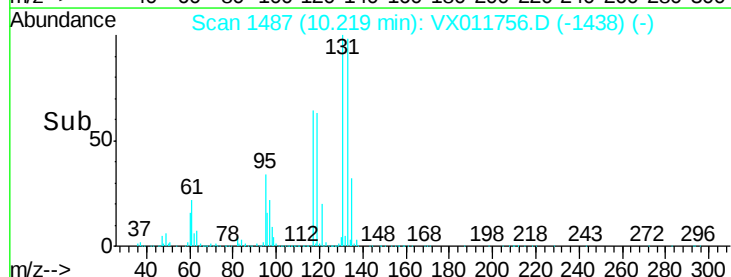
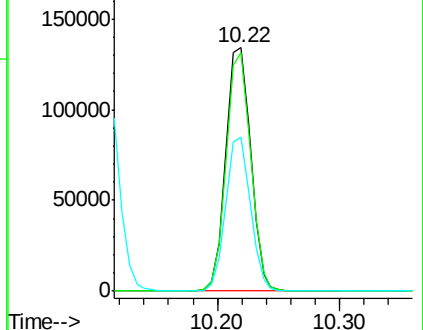
119 62.7 31.3 93.8

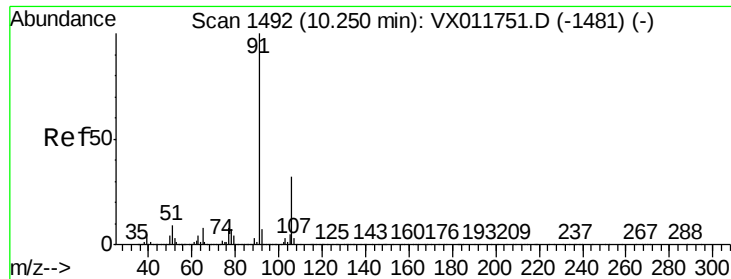


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 49.719 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 839197

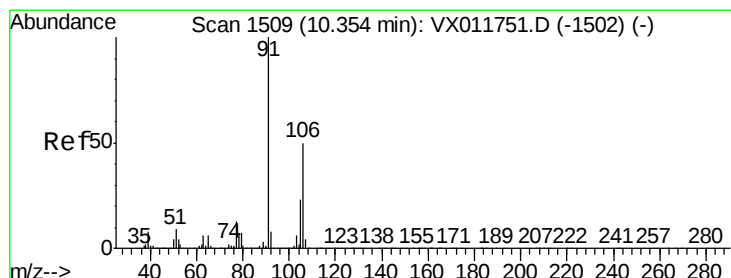
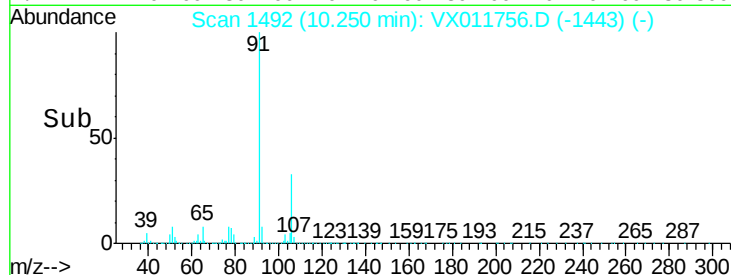
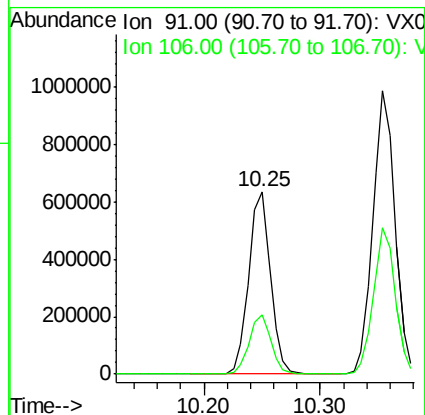
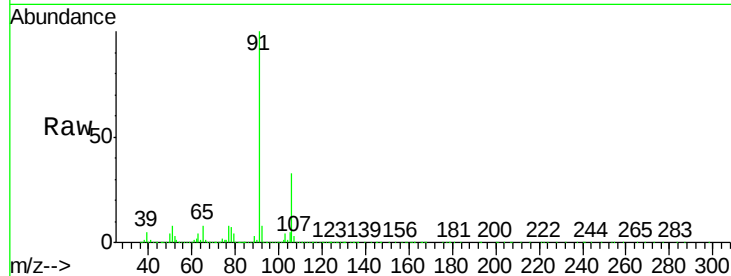
Ion Ratio Lower Upper

91 100

106 32.6 25.5 38.3

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:41:52 AM



#68

m/p-Xylenes

Concen: 102.813 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VX011756.D

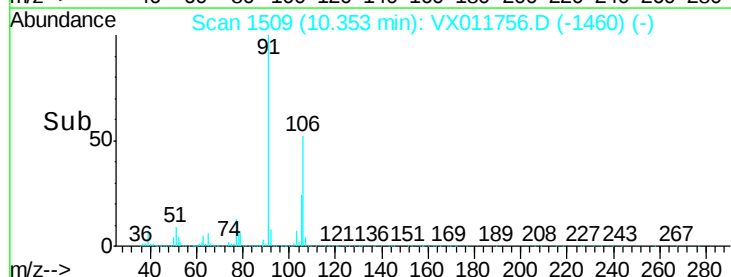
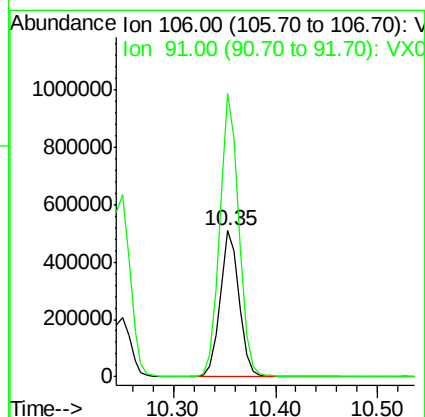
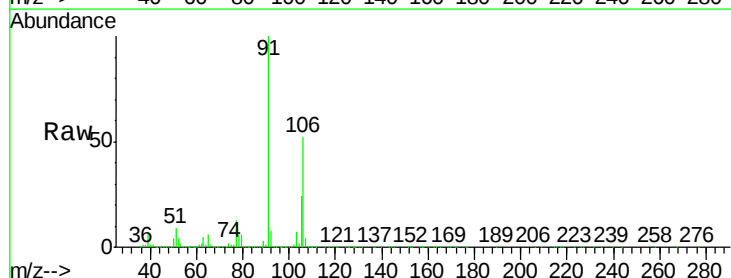
Acq: 22 Aug 2019 12:39

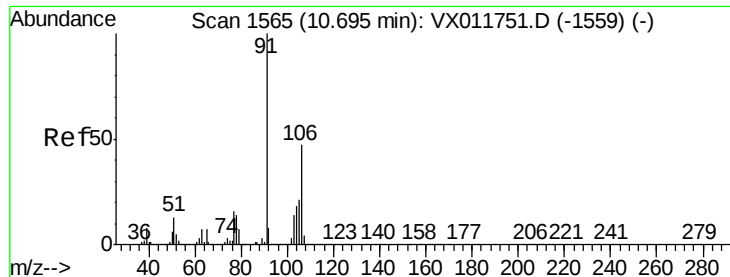
Tgt Ion: 106 Resp: 669124

Ion Ratio Lower Upper

106 100

91 194.6 158.3 237.5





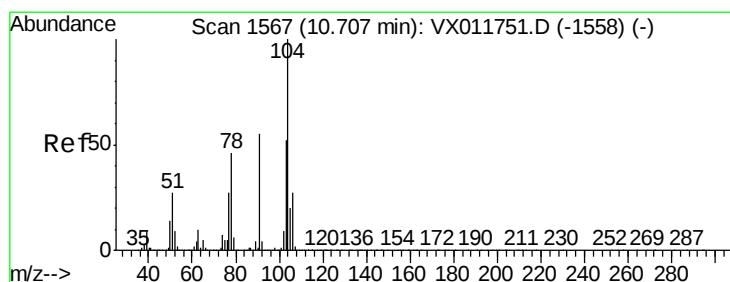
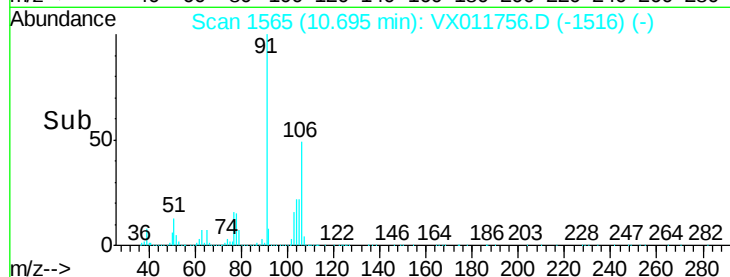
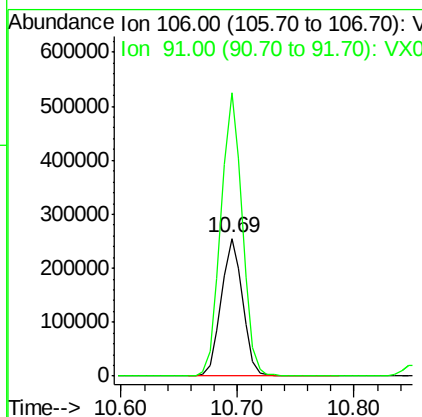
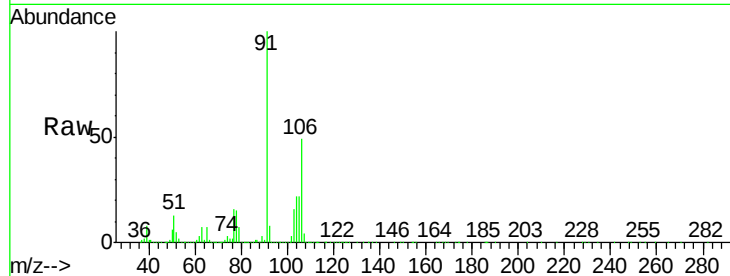
#69
o-Xylene
Concen: 50.477 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011756.D
Acq: 22 Aug 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.3	105.0	314.9

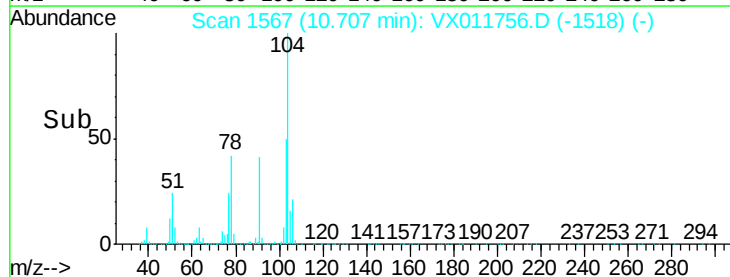
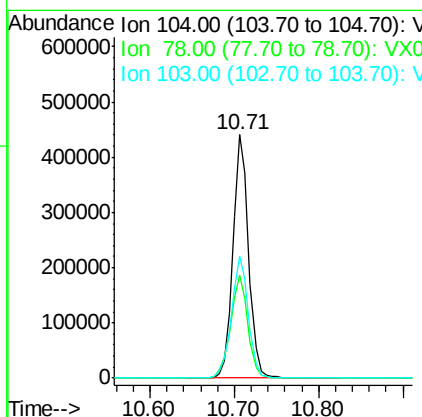
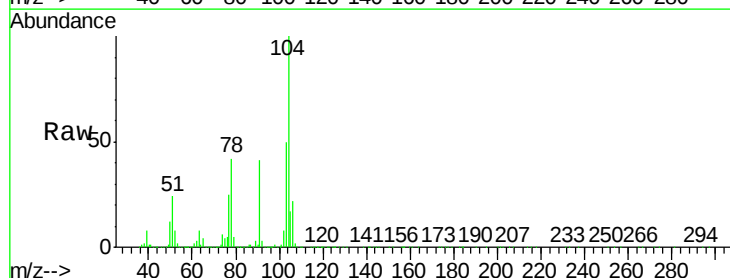
Manual Integrations
APPROVED

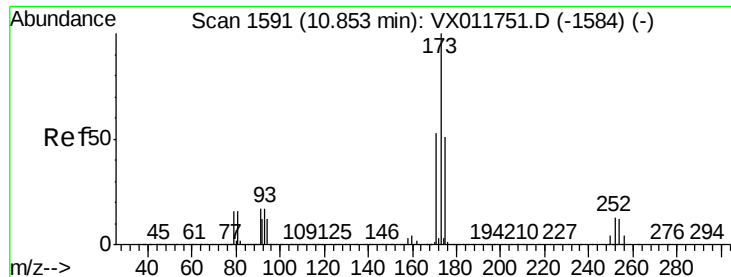
MMDadoda
8/23/2019 8:41:52 AM



#70
Styrene
Concen: 51.819 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011756.D
Acq: 22 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.7	39.2	58.8
103	54.7	44.5	66.7





#71

Bromoform

Concen: 51.361 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 167670

Ion Ratio Lower Upper

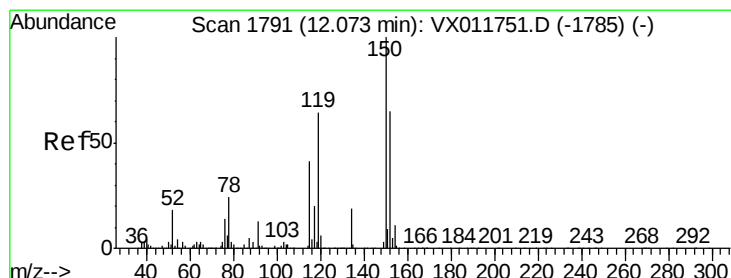
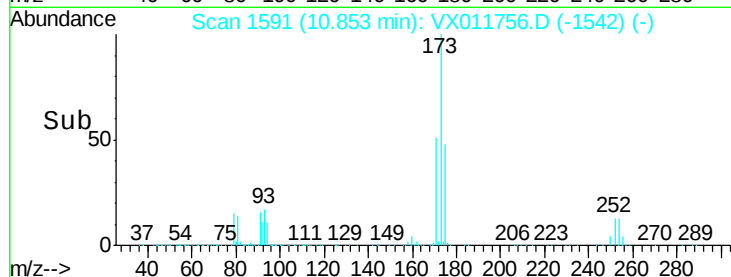
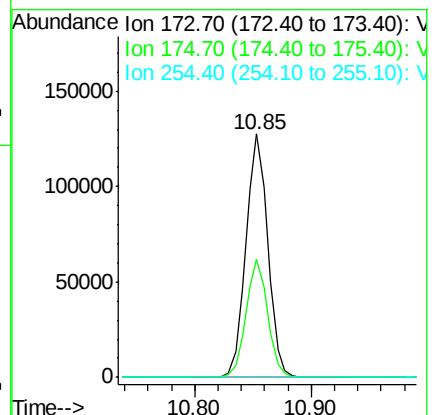
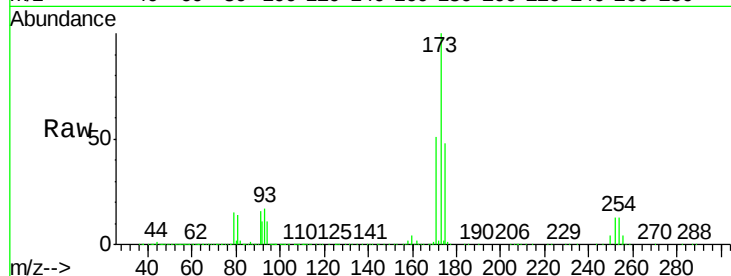
173 100

175 47.7 25.1 75.3

254 0.2 0.2 0.4#

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:41:52 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

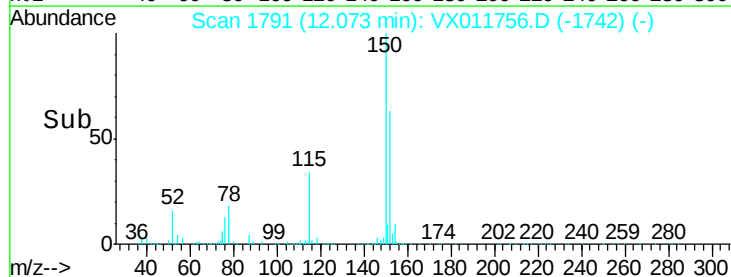
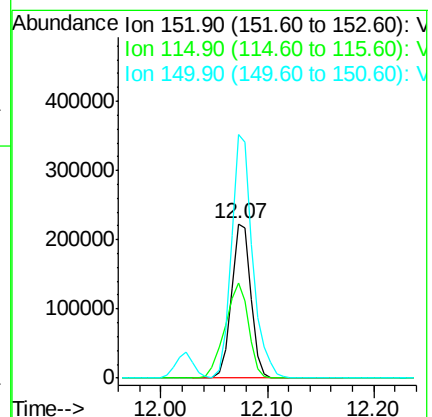
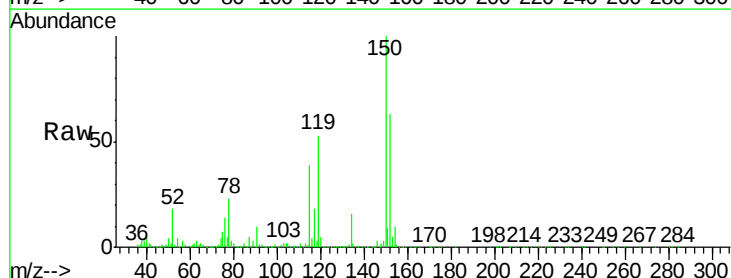
Tgt Ion:152 Resp: 283133

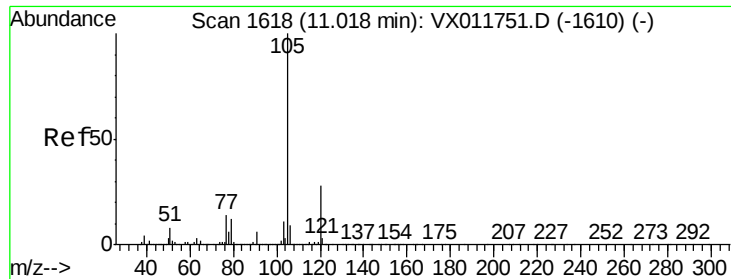
Ion Ratio Lower Upper

152 100

115 74.4 37.3 111.8

150 172.3 0.0 343.0





#73

Isopropylbenzene

Concen: 50.558 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 862655

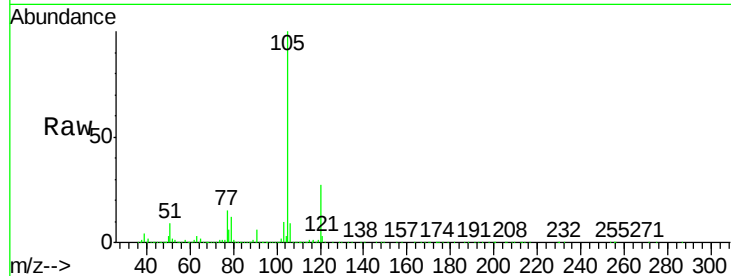
Ion Ratio Lower Upper

105 100

120 27.6 13.9 41.7

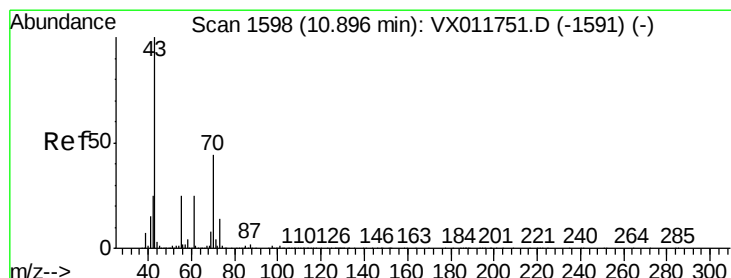
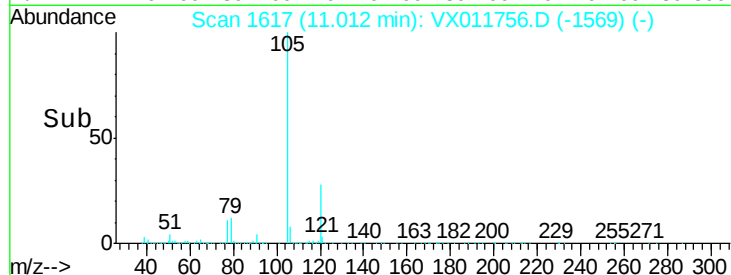
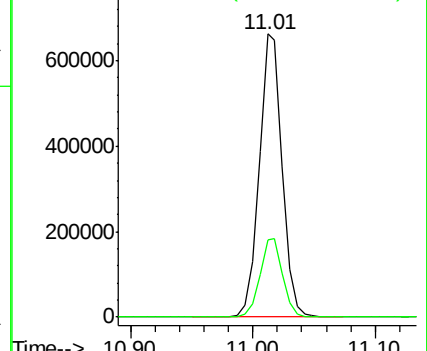
Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:41:52 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.734 ug/l

RT: 10.89 min Scan# 1597

Delta R.T. -0.01 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Tgt Ion: 43 Resp: 328534

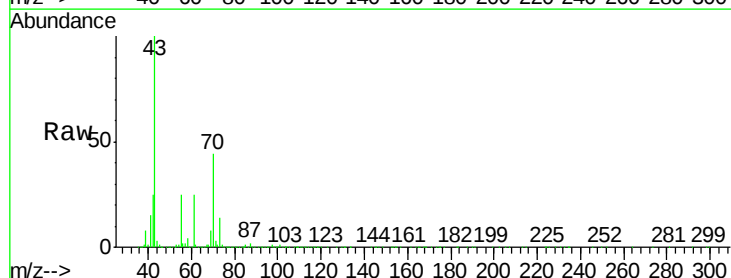
Ion Ratio Lower Upper

43 100

70 44.2 34.8 52.2

55 25.0 19.5 29.3

61 25.7 19.8 29.6

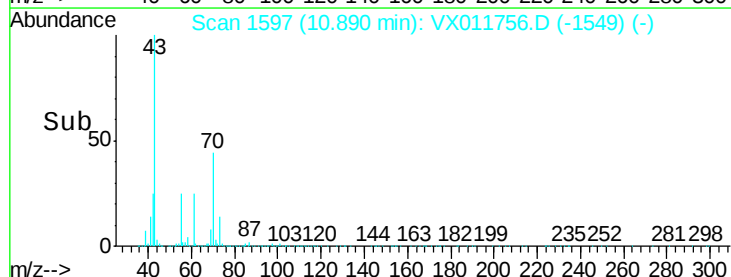
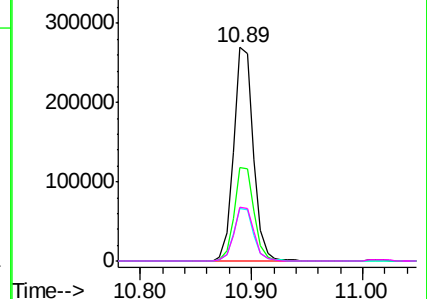


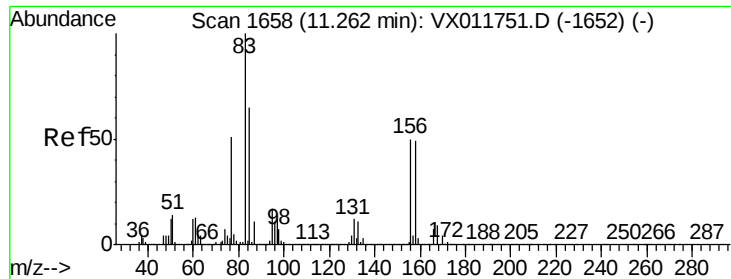
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.676 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Instrument :

MSVOA_X

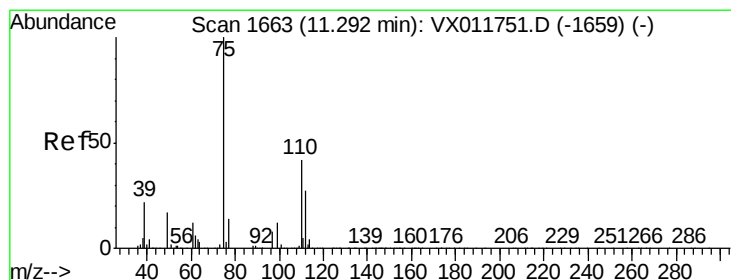
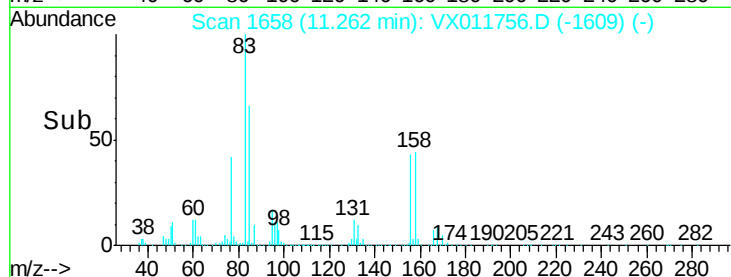
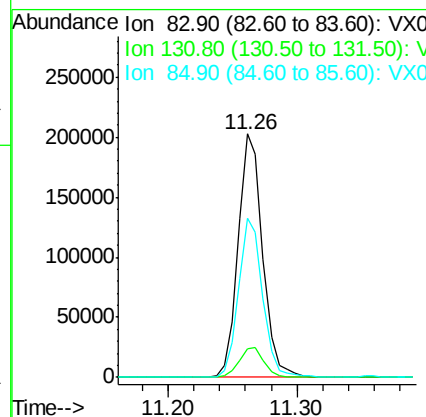
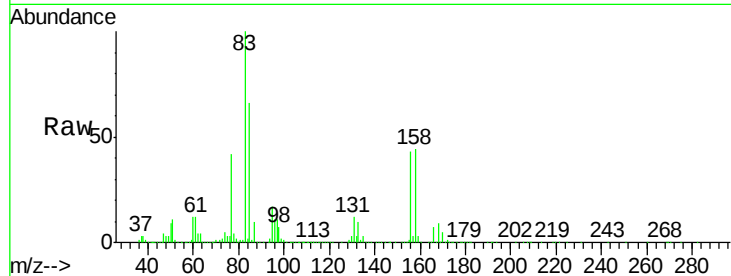
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	269256
Ion Ratio	Lower	Upper	
83	100		
131	12.4	6.1	18.3
85	64.4	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:41:52 AM



#76

1,2,3-Trichloropropane

Concen: 48.439 ug/l m

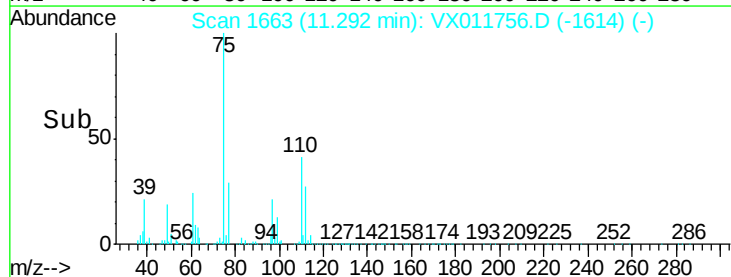
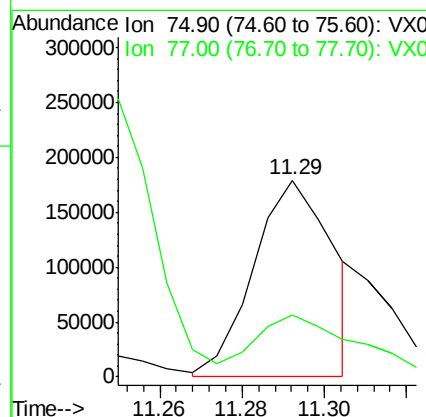
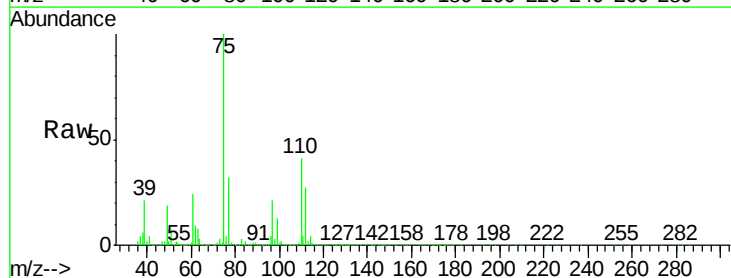
RT: 11.29 min Scan# 1663

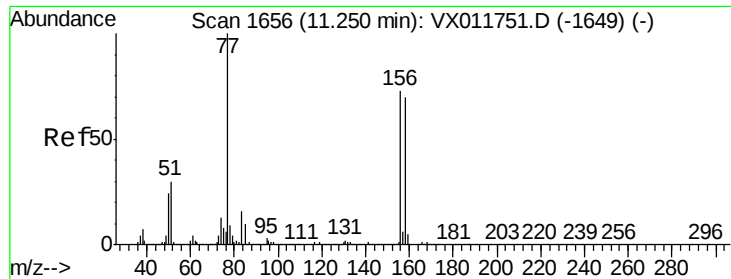
Delta R.T. -0.00 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Tgt Ion:	75	Resp:	240648
Ion Ratio	Lower	Upper	
75	100		
77	40.4	21.1	63.3





#77

Bromobenzene

Concen: 49.945 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.00 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Instrument :

MSVOA_X

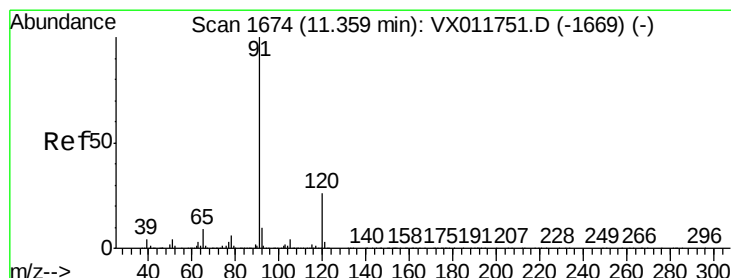
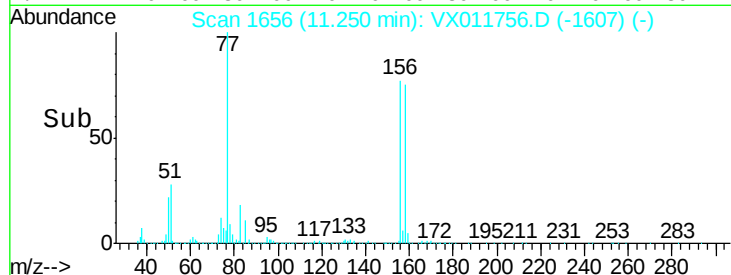
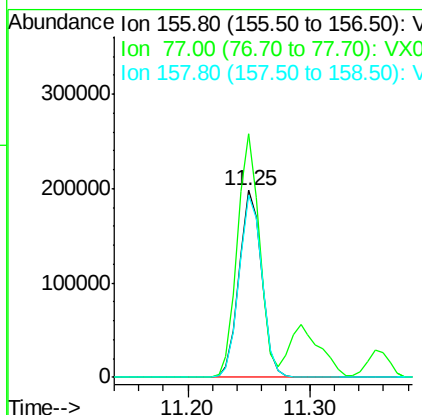
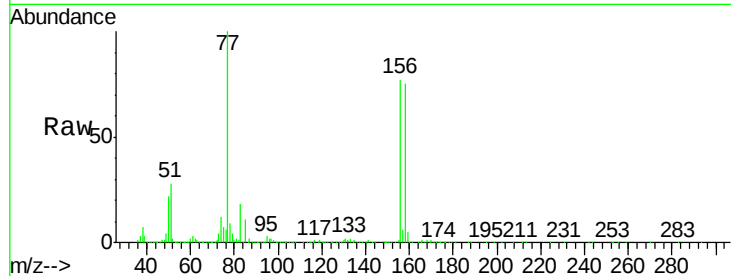
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	251229
Ion Ratio	Lower	Upper	
156	100		
77	128.0	65.3	196.0
158	98.6	48.4	145.0

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:41:52 AM



#78

n-propylbenzene

Concen: 52.600 ug/l

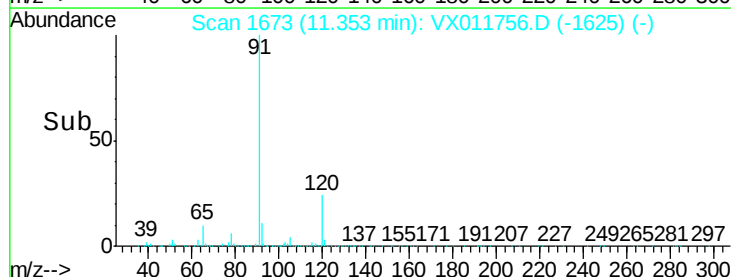
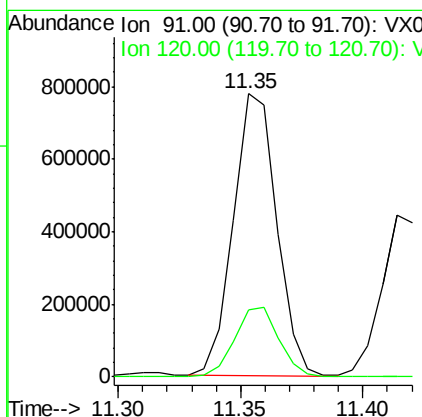
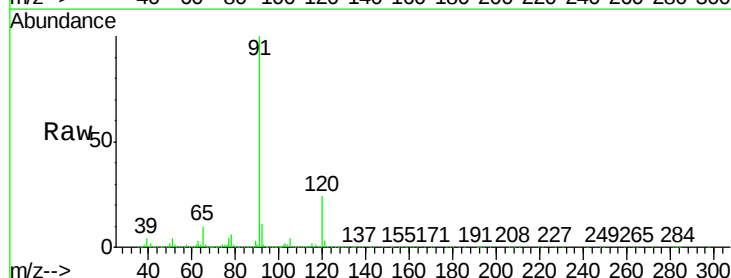
RT: 11.35 min Scan# 1673

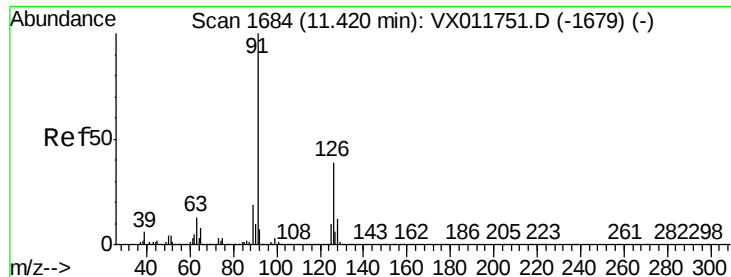
Delta R.T. -0.01 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Tgt Ion:	91	Resp:	959665
Ion Ratio	Lower	Upper	
91	100		
120	25.4	12.7	38.1





#79

2-Chlorotoluene

Concen: 49.979 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 567295

Ion Ratio Lower Upper

91 100

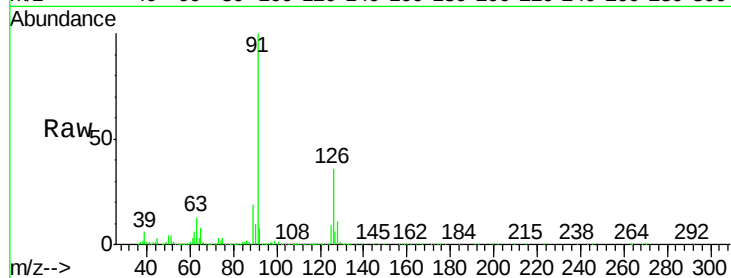
126 37.8 18.6 55.6

Manual Integrations

APPROVED

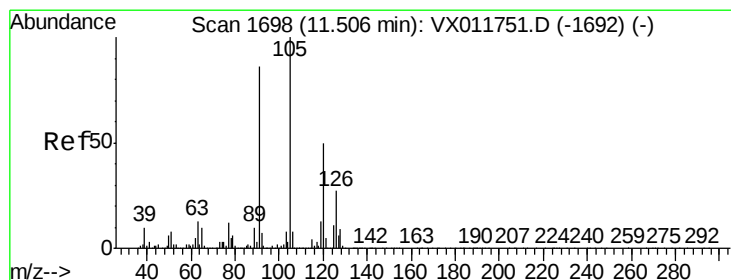
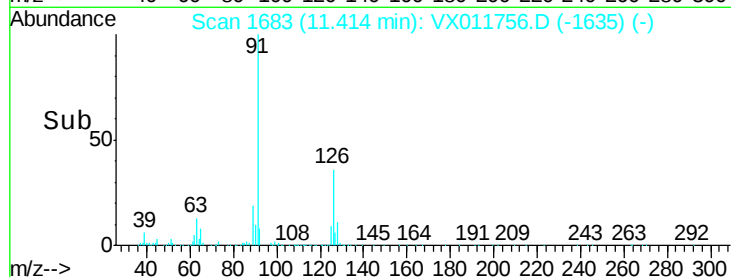
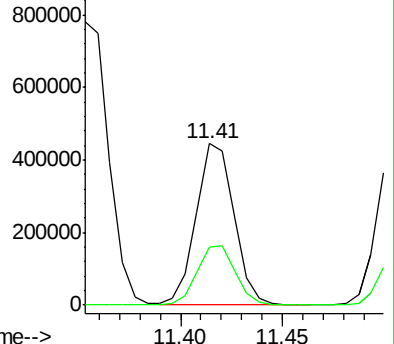
MMDadoda

8/23/2019 8:41:52 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.128 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011756.D

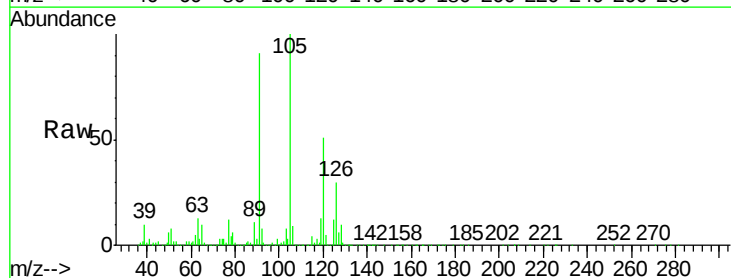
Acq: 22 Aug 2019 12:39

Tgt Ion: 105 Resp: 742108

Ion Ratio Lower Upper

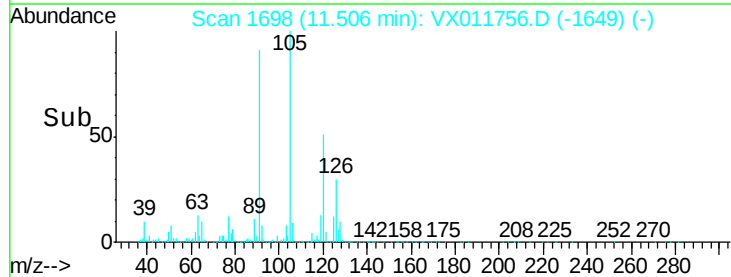
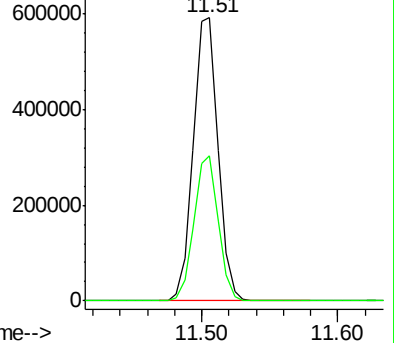
105 100

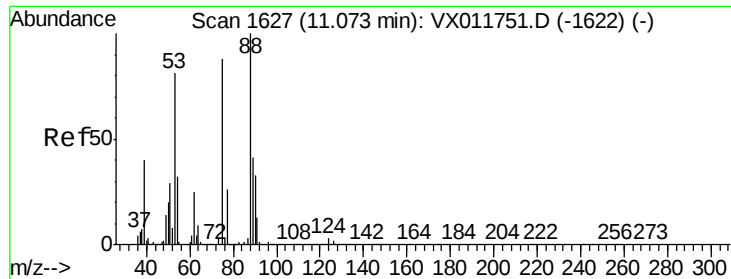
120 50.3 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





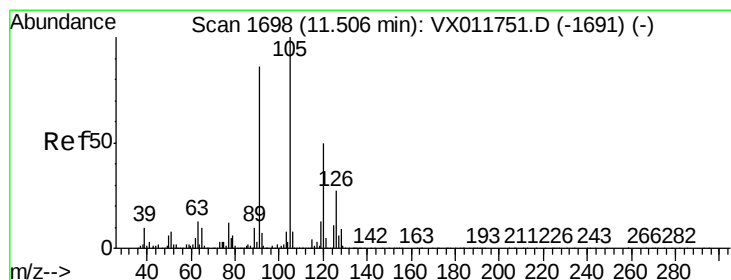
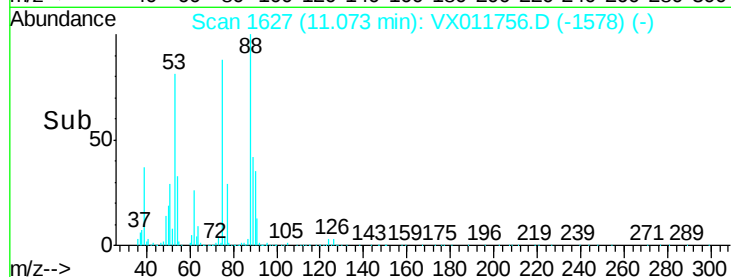
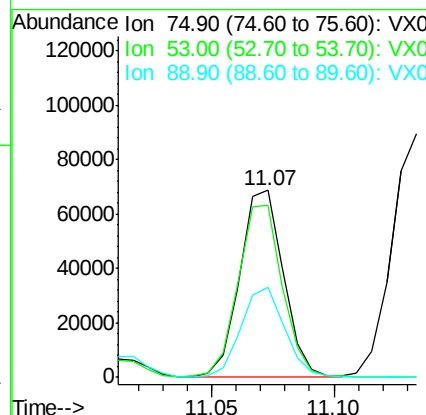
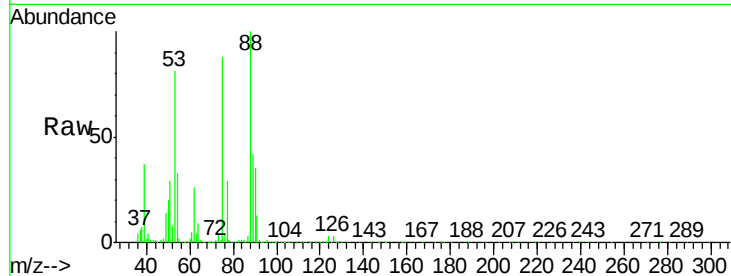
#81
trans-1,4-Dichloro-2-butene
Concen: 51.744 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX011756.D
Acq: 22 Aug 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.5	77.1	115.7
89	48.7	38.5	57.7

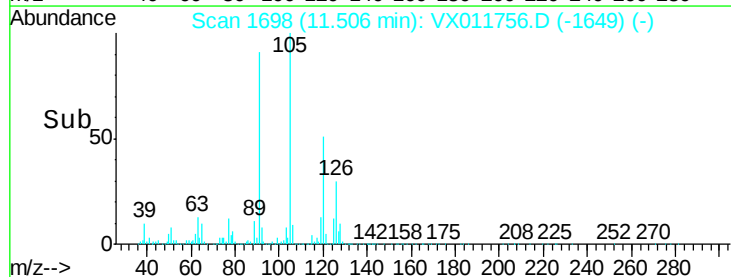
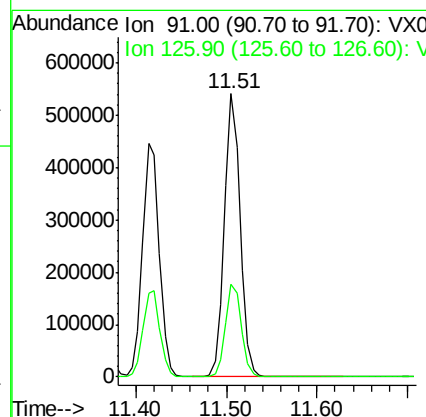
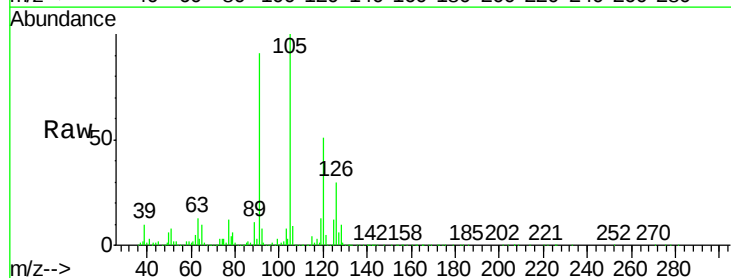
Manual Integrations
APPROVED

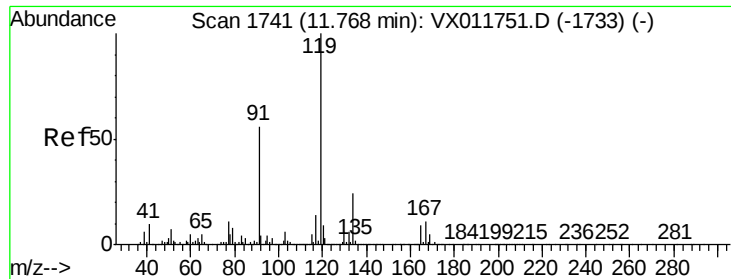
MMDadoda
8/23/2019 8:41:52 AM



#82
4-Chlorotoluene
Concen: 50.511 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX011756.D
Acq: 22 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.2	48.6





#83

tert-Butylbenzene

Concen: 52.437 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Instrument :

MSVOA_X

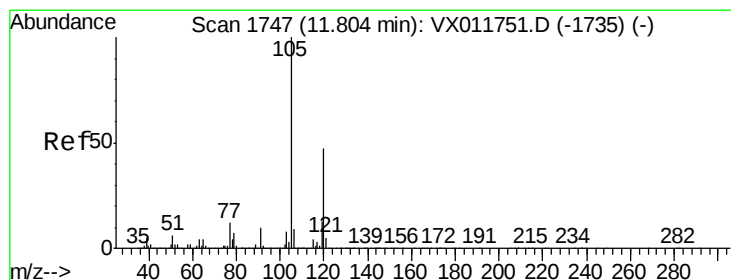
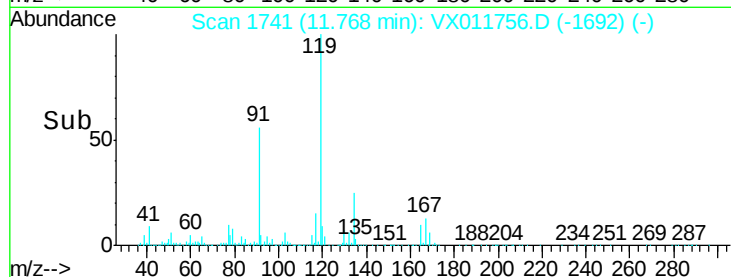
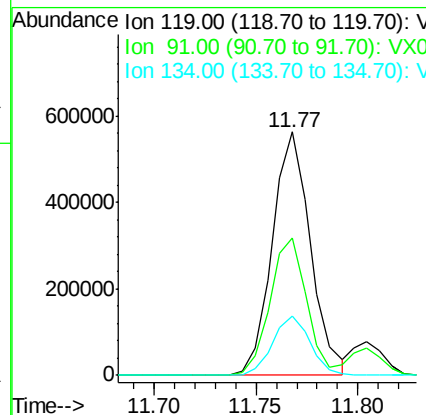
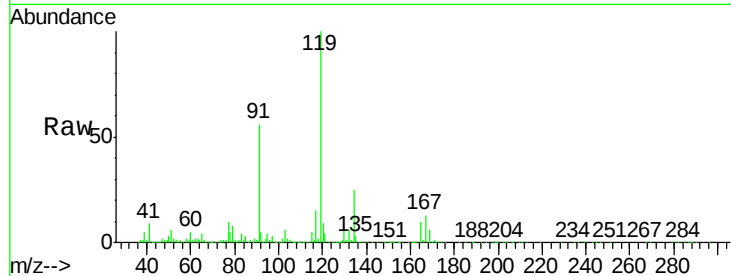
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	736526
Ion Ratio	Lower	Upper	
119	100		
91	53.9	27.7	83.1
134	23.9	11.8	35.3

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:41:52 AM



#84

1,2,4-Trimethylbenzene

Concen: 51.959 ug/l

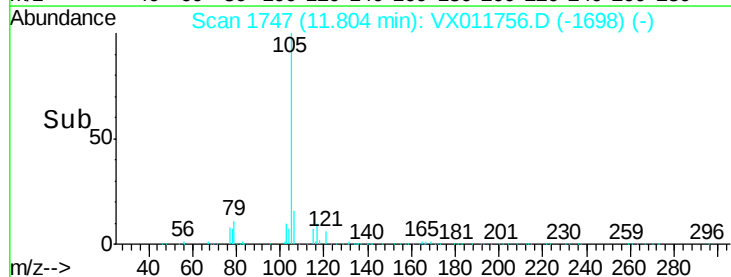
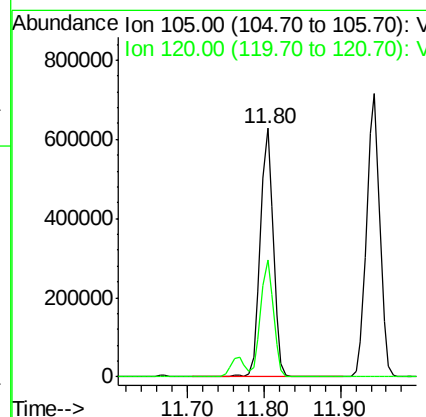
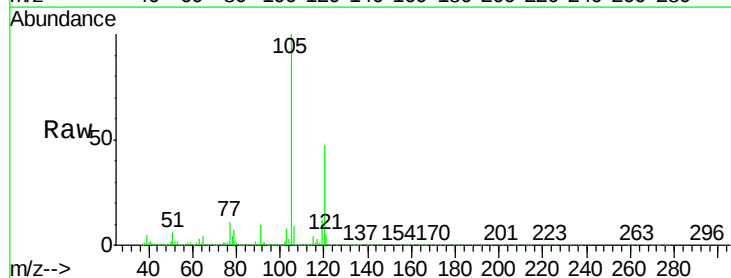
RT: 11.80 min Scan# 1747

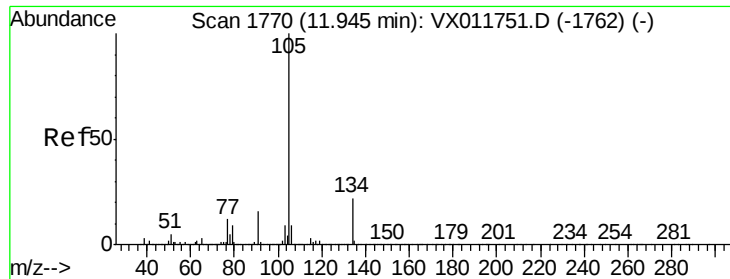
Delta R.T. -0.00 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Tgt Ion:	105	Resp:	746983
Ion Ratio	Lower	Upper	
105	100		
120	46.6	23.7	71.1





#85

sec-Butylbenzene

Concen: 53.034 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 852088

Ion Ratio Lower Upper

105 100

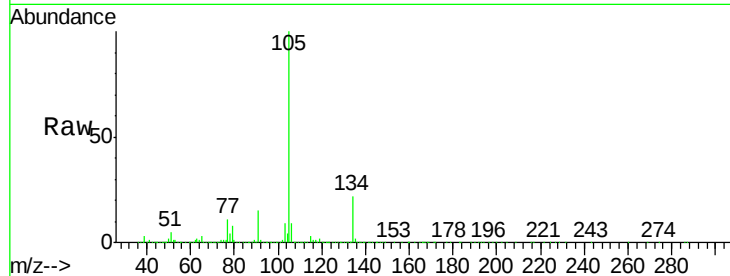
134 21.7 10.8 32.3

Manual Integrations

APPROVED

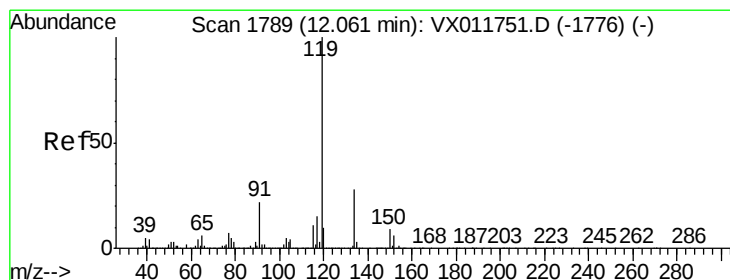
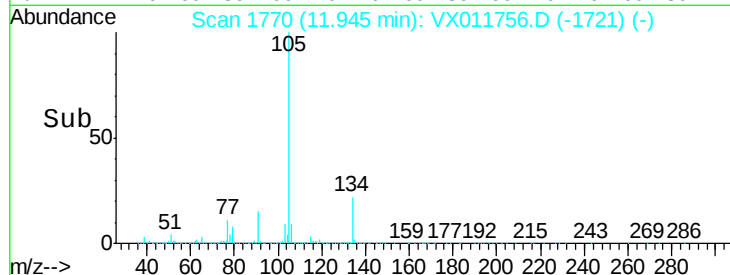
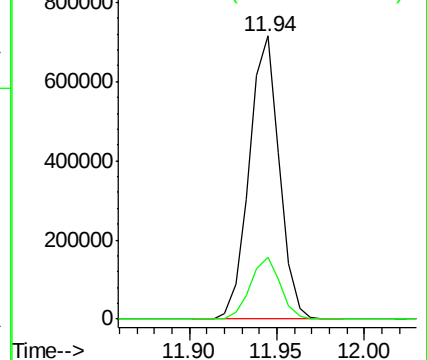
MMDadoda

8/23/2019 8:41:52 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.199 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011756.D

Acq: 22 Aug 2019 12:39

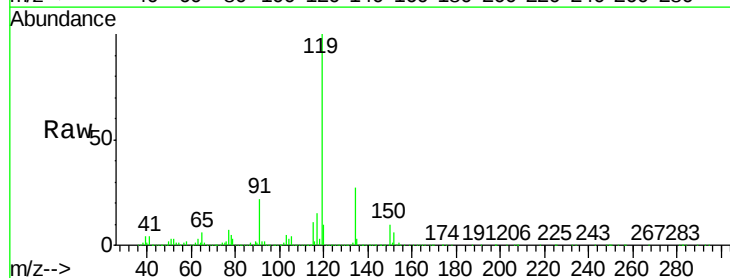
Tgt Ion:119 Resp: 822387

Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.0

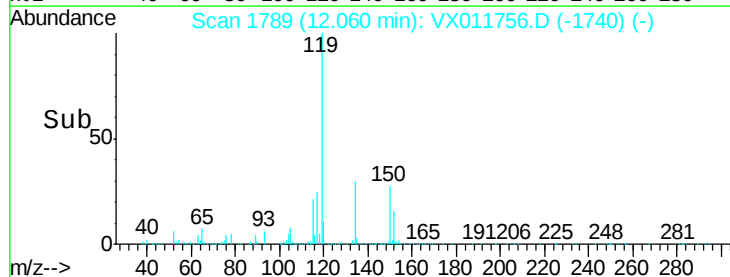
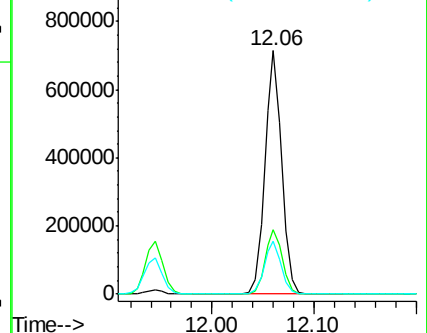
91 21.9 11.1 33.3

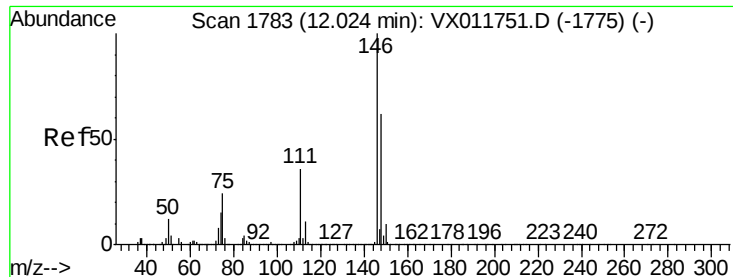


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





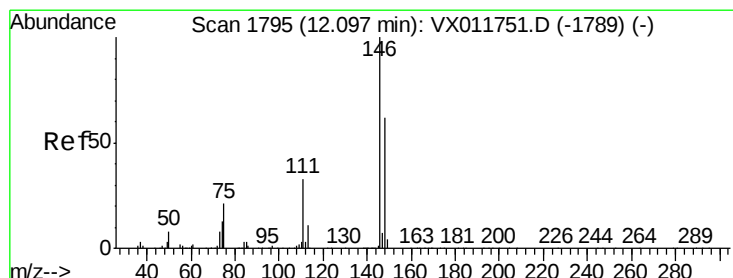
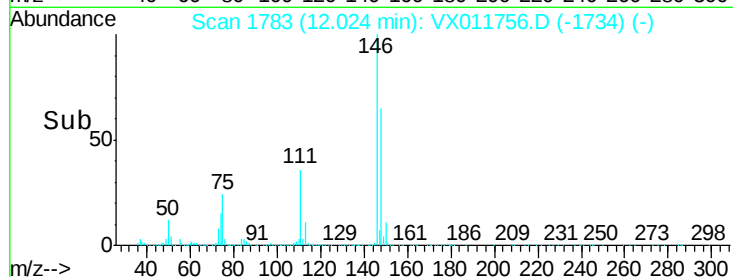
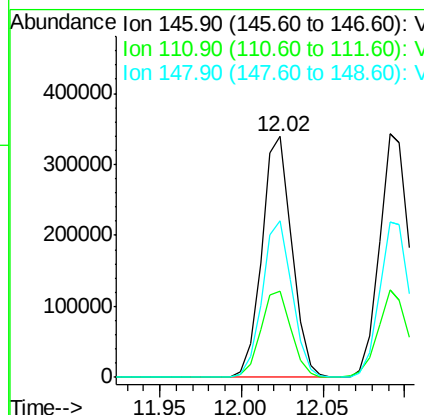
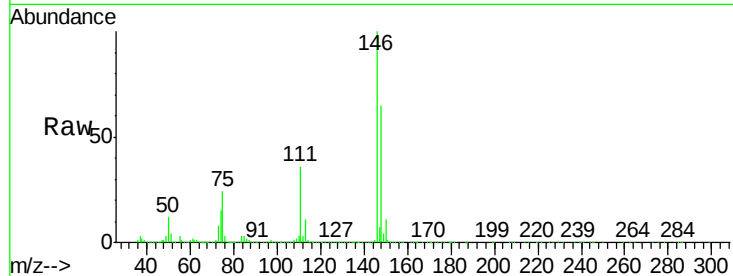
#87
 1,3-Dichlorobenzene
 Concen: 49.832 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011756.D
 Acq: 22 Aug 2019 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	146	Resp:	431658
Ion Ratio		Lower	Upper
146	100		
111	36.5	18.1	54.4
148	64.6	31.6	94.7

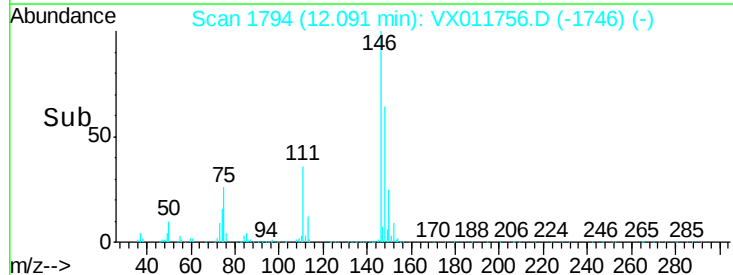
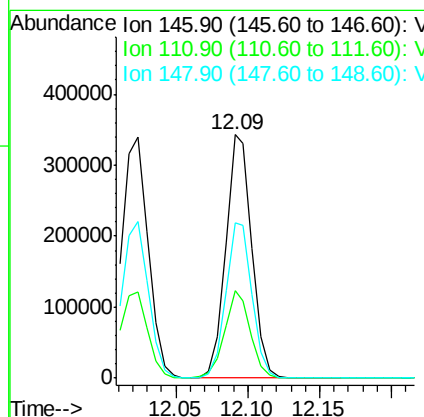
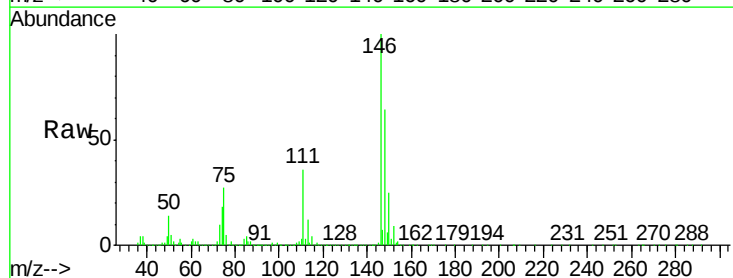
Manual Integrations
 APPROVED

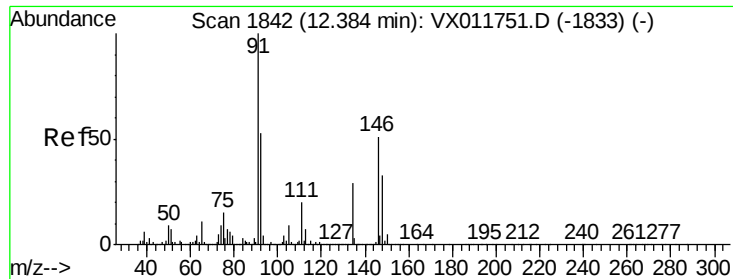
MMDadoda
 8/23/2019 8:41:52 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.637 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VX011756.D
 Acq: 22 Aug 2019 12:39

Tgt Ion:	146	Resp:	435016
Ion Ratio		Lower	Upper
146	100		
111	35.3	17.8	53.4
148	64.2	31.9	95.7





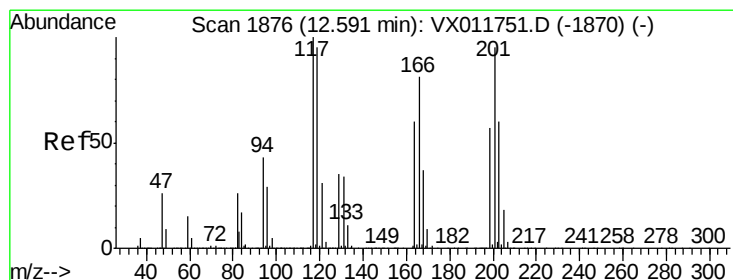
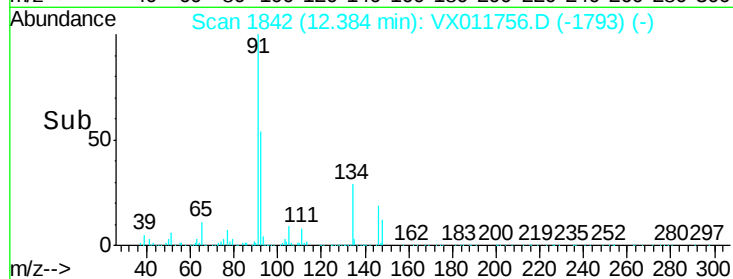
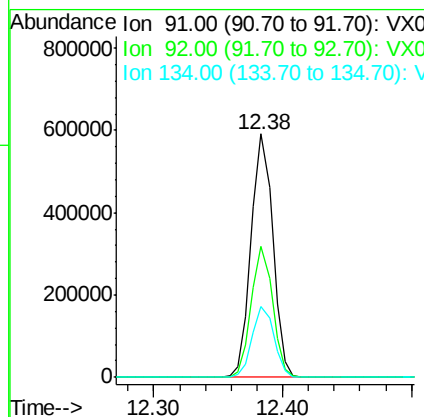
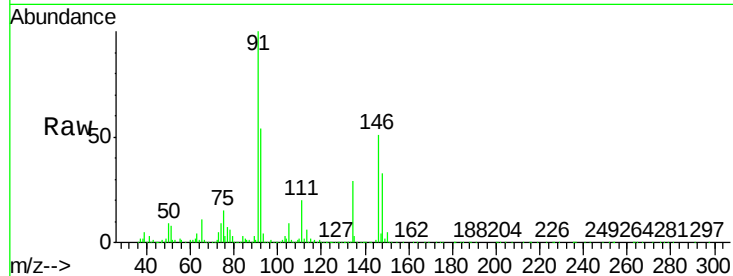
#89
n-Butylbenzene
Concen: 53.466 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011756.D
Acq: 22 Aug 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.7	80.0
134	29.4	14.6	43.8

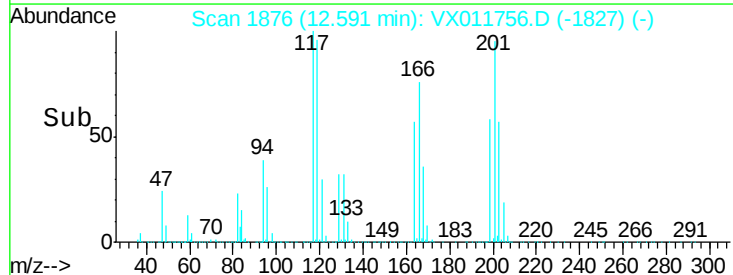
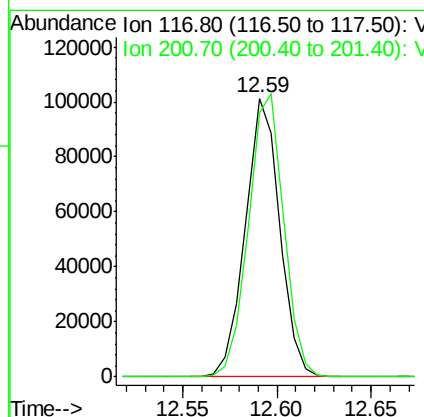
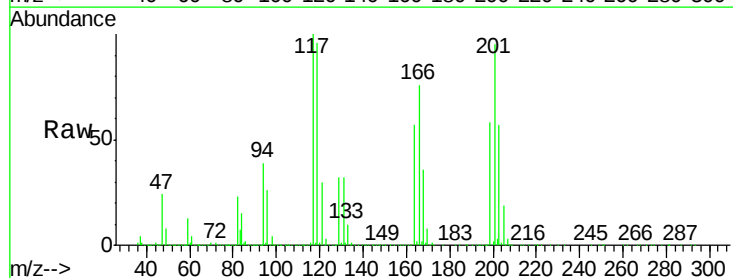
Manual Integrations
APPROVED

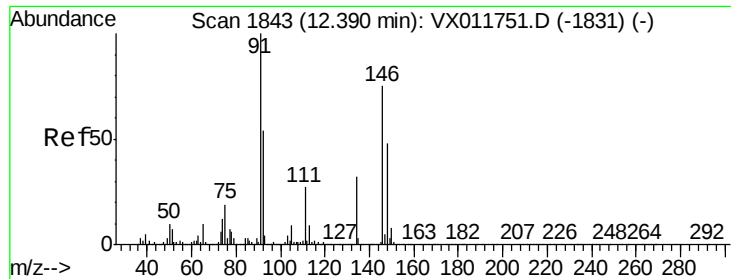
MMDadoda
8/23/2019 8:41:52 AM



#90
Hexachloroethane
Concen: 53.152 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX011756.D
Acq: 22 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	104.4	49.6	149.0





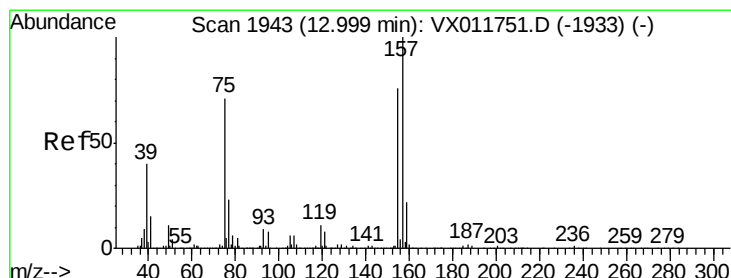
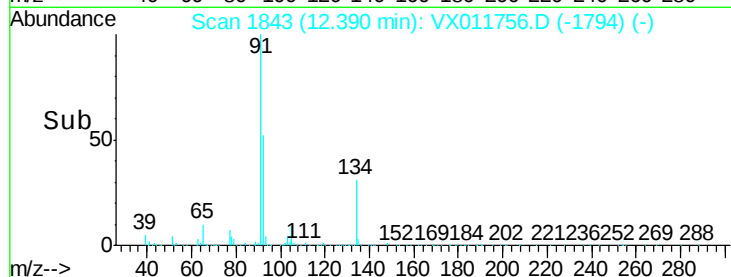
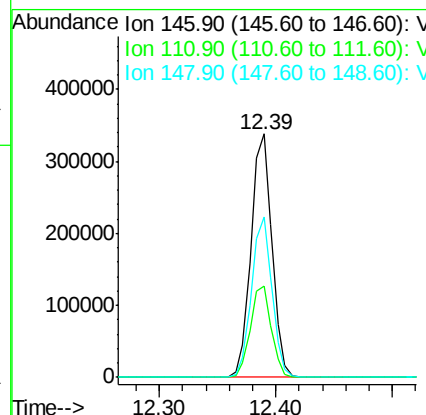
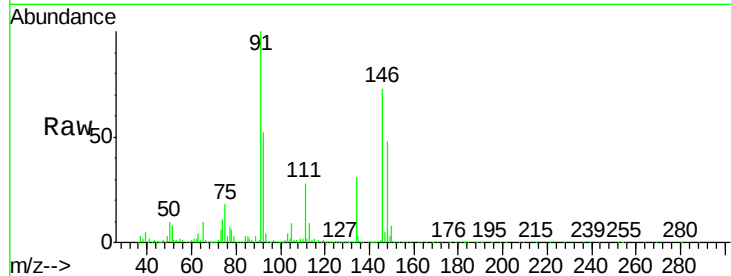
#91
 1,2-Dichlorobenzene
 Concen: 48.674 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX011756.D
 Acq: 22 Aug 2019 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	425259		
111	37.6	18.8	56.4	
148	64.6	31.6	95.0	

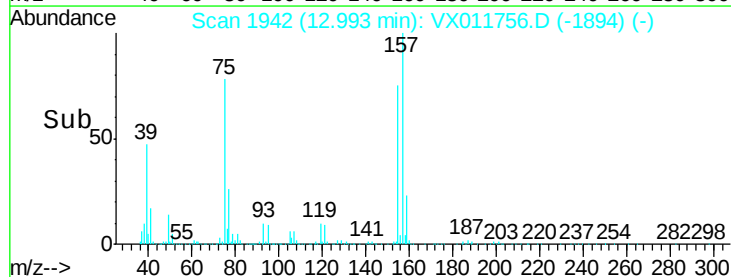
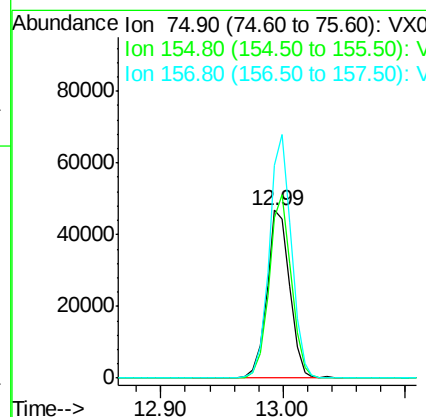
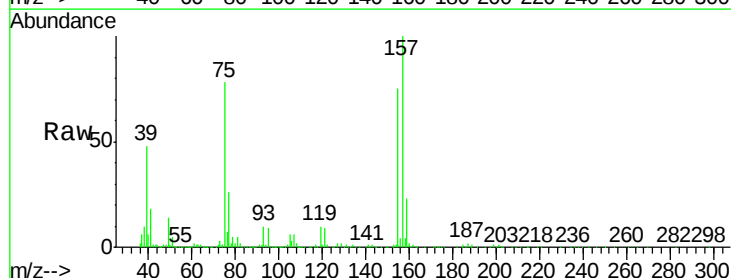
Manual Integrations
 APPROVED

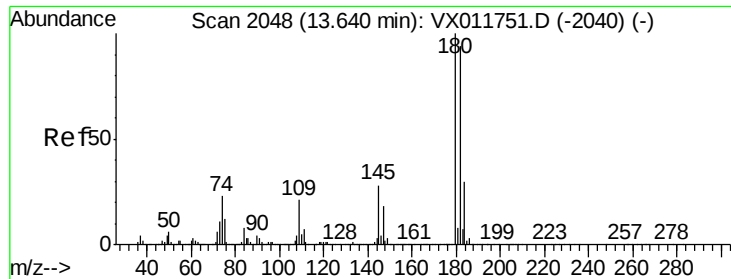
MMDadoda
 8/23/2019 8:41:52 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.388 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011756.D
 Acq: 22 Aug 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	60898		
155	105.9	52.6	157.9	
157	140.4	68.3	204.9	





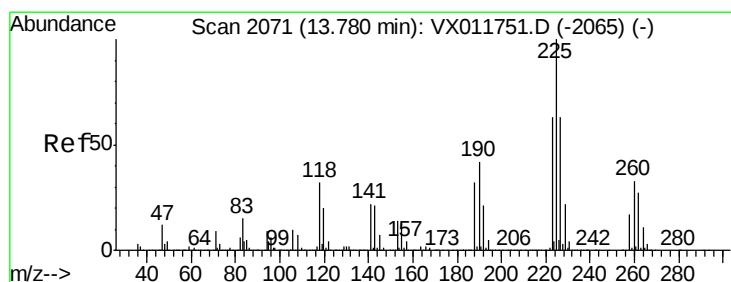
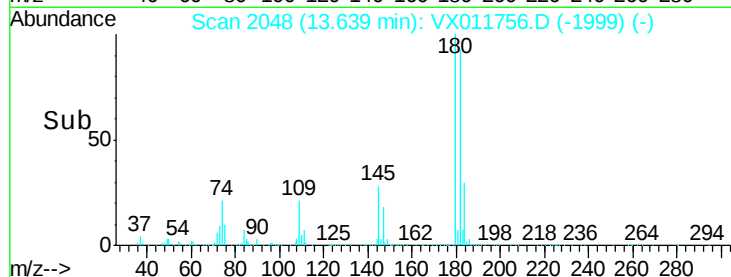
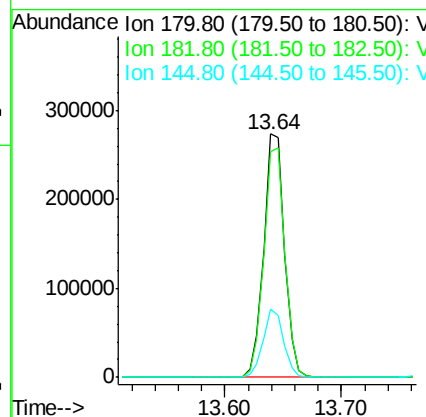
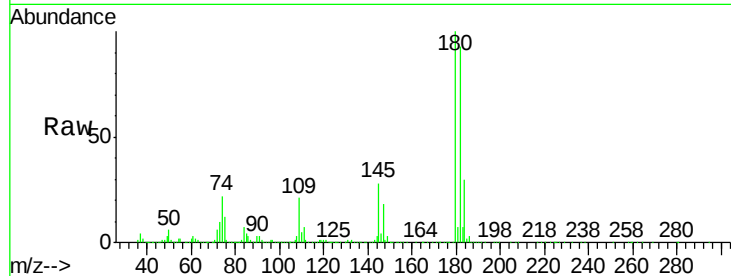
#93
 1,2,4-Trichlorobenzene
 Concen: 53.247 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. -0.00 min
 Lab File: VX011756.D
 Acq: 22 Aug 2019 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	342197		
182	95.9	47.8	143.4	
145	27.3	14.1	42.3	

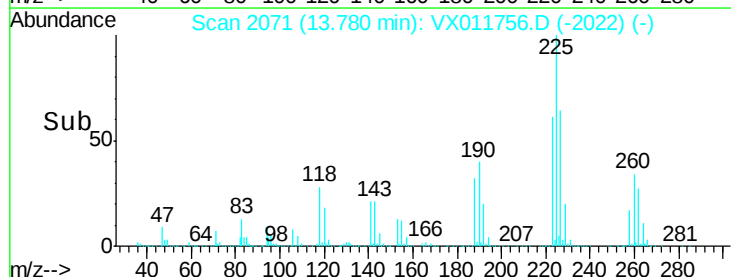
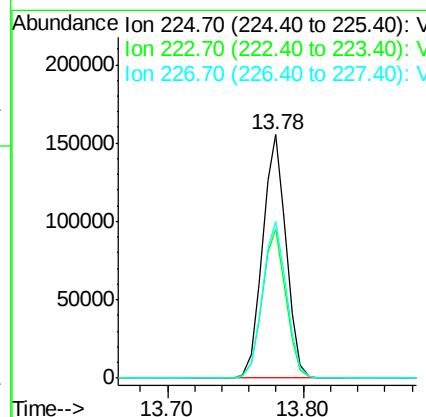
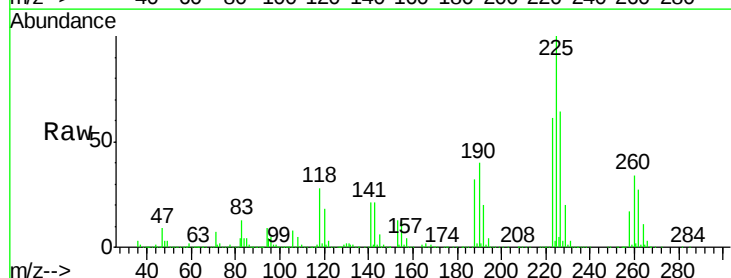
Manual Integrations
 APPROVED

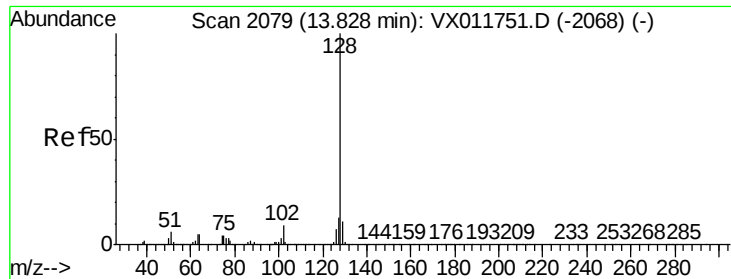
MMDadoda
 8/23/2019 8:41:52 AM



#94
 Hexachlorobutadiene
 Concen: 53.619 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011756.D
 Acq: 22 Aug 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	188821		
223	61.3	31.0	93.0	
227	65.2	31.8	95.3	





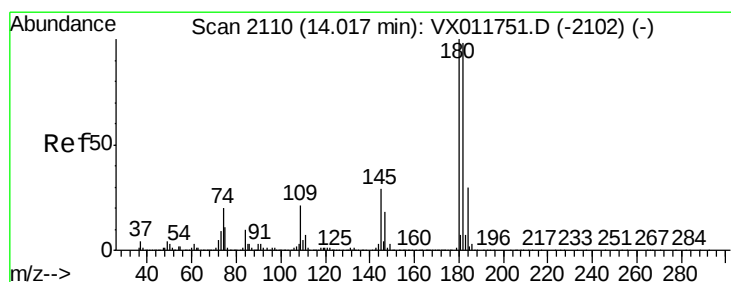
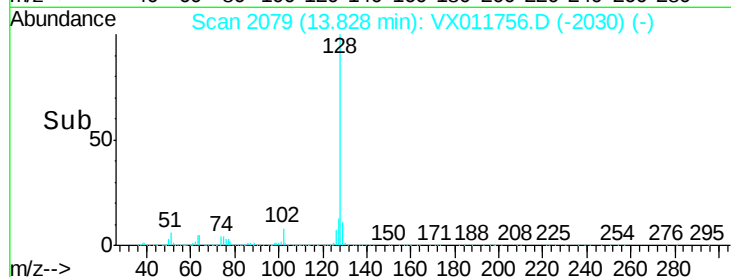
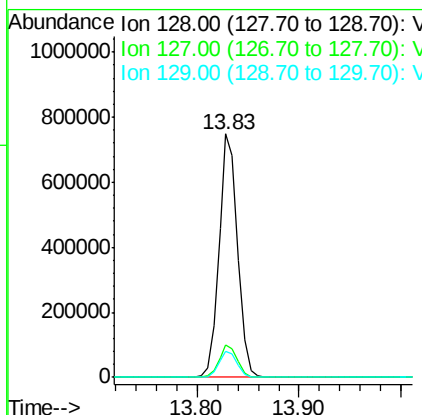
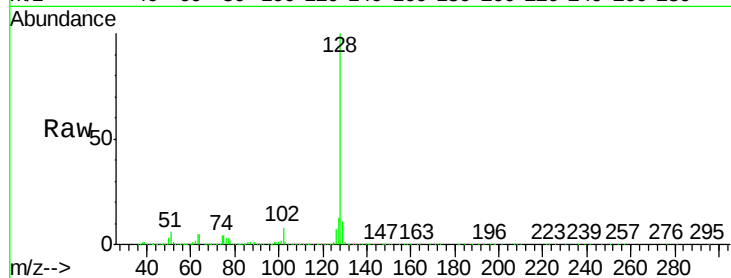
#95
Naphthalene
Concen: 53.549 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.00 min
Lab File: VX011756.D
Acq: 22 Aug 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:41:52 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.429 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX011756.D
Acq: 22 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.5	145.5
145	29.3	14.6	43.8

