

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082319\
 Data File : VX011808.D
 Acq On : 23 Aug 2019 19:11
 Operator : JC/SP
 Sample : VX0823MBS01
 Misc : 5.0µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0823MBS01

Manual Integrations
 APPROVED

MMDadoda
 8/26/2019 11:40:19 AM

Quant Time: Aug 26 03:41:30 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	444294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	622810	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	556281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	291811	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	179892	40.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.62%	
35) Dibromofluoromethane	5.49	113	154305	38.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.62%	
50) Toluene-d8	8.71	98	555917	39.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.14%	
62) 4-Bromofluorobenzene	11.13	95	203937	36.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.46%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	60401	14.567	ug/l	95
3) Chloromethane	1.32	50	61329	16.865	ug/l	99
4) Vinyl Chloride	1.40	62	62243	17.122	ug/l	99
5) Bromomethane	1.63	94	35979	17.966	ug/l	97
6) Chloroethane	1.71	64	36339	17.098	ug/l	94
7) Trichlorofluoromethane	1.92	101	92526	15.987	ug/l	99
8) Diethyl Ether	2.18	74	36039	18.313	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	51452	14.367	ug/l	96
10) Methyl Iodide	2.50	142	74622	17.059	ug/l	96
11) Tert butyl alcohol	3.04	59	73544	83.388	ug/l	99
12) 1,1-Dichloroethene	2.37	96	55445	15.877	ug/l	98
13) Acrolein	2.29	56	32710	95.946	ug/l	97
14) Allyl chloride	2.72	41	86439	15.837	ug/l	97
15) Acrylonitrile	3.14	53	175203	86.852	ug/l	99
16) Acetone	2.43	43	142263	73.274	ug/l	98
17) Carbon Disulfide	2.56	76	124951	14.152	ug/l	97
18) Methyl Acetate	2.76	43	97545	18.516	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	190552	17.011	ug/l	97
20) Methylene Chloride	2.85	84	64710	16.302	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	60662	16.105	ug/l	99
22) Diisopropyl ether	3.85	45	181474	17.146	ug/l	98
23) Vinyl Acetate	3.81	43	714501	81.535	ug/l	99
24) 1,1-Dichloroethane	3.69	63	104464	16.717	ug/l	99
25) 2-Butanone	4.67	43	234543	84.163	ug/l	96
26) 2,2-Dichloropropane	4.58	77	60909	11.478	ug/l	95
27) cis-1,2-Dichloroethene	4.59	96	70336	16.283	ug/l	93
28) Bromochloromethane	5.01	49	52222	18.410	ug/l	92
29) Tetrahydrofuran	5.12	42	152186	85.192	ug/l	98
30) Chloroform	5.21	83	108428	15.993	ug/l	99
31) Cyclohexane	5.57	56	79817	14.544	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	91818	15.580	ug/l	99
36) 1,1-Dichloropropene	5.79	75	74151	15.183	ug/l	98
37) Ethyl Acetate	4.82	43	87208	16.873	ug/l	98
38) Carbon Tetrachloride	5.78	117	77147	13.938	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082319\
 Data File : VX011808.D
 Acq On : 23 Aug 2019 19:11
 Operator : JC/SP
 Sample : VX0823MBS01
 Misc : 5.0µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0823MBS01

Manual Integrations
 APPROVED

MMDadoda
 8/26/2019 11:40:19 AM

Quant Time: Aug 26 03:41:30 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	81755	13.508	ug/l	99
40) Benzene	6.13	78	246653	16.326	ug/l	99
41) Methacrylonitrile	5.04	41	47936	15.948	ug/l	96
42) 1,2-Dichloroethane	6.19	62	89294	16.168	ug/l	97
43) Isopropyl Acetate	6.44	43	137612	16.450	ug/l	99
44) Trichloroethene	7.21	130	71581	15.370	ug/l	100
45) 1,2-Dichloropropane	7.51	63	60322	15.885	ug/l	99
46) Dibromomethane	7.66	93	45508	16.254	ug/l	99
47) Bromodichloromethane	7.90	83	79499	15.774	ug/l	98
48) Methyl methacrylate	7.76	41	69660	16.733	ug/l	98
49) 1,4-Dioxane	7.74	88	35502	307.786	ug/l	98
51) 4-Methyl-2-Pentanone	8.63	43	460889	83.615	ug/l	100
52) Toluene	8.78	92	154595	15.812	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	78797	14.893	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	88942	15.410	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	66874	16.418	ug/l	99
56) Ethyl methacrylate	9.18	69	98460	16.997	ug/l	99
57) 1,3-Dichloropropane	9.37	76	106505	16.193	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	278218	91.300	ug/l	100
59) 2-Hexanone	9.49	43	355920	84.129	ug/l	100
60) Dibromochloromethane	9.58	129	69180	15.708	ug/l	99
61) 1,2-Dibromoethane	9.67	107	72820	16.661	ug/l	99
64) Tetrachloroethene	9.34	164	71872	16.195	ug/l	95
65) Chlorobenzene	10.13	112	174378	16.056	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	66385	16.314	ug/l	100
67) Ethyl Benzene	10.25	91	284961	15.701	ug/l	99
68) m/p-Xylenes	10.35	106	222515	31.797	ug/l	100
69) o-Xylene	10.69	106	110556	16.091	ug/l	99
70) Styrene	10.71	104	186739	16.247	ug/l	99
71) Bromoform	10.85	173	53793	15.324	ug/l #	98
73) Isopropylbenzene	11.02	105	288075	16.381	ug/l	100
74) N-amyl acetate	10.90	43	116483	17.109	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	100289	17.230	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	87532m	17.095	ug/l	
77) Bromobenzene	11.25	156	88780	17.125	ug/l	98
78) n-propylbenzene	11.36	91	300838	15.999	ug/l	100
79) 2-Chlorotoluene	11.42	91	192734	16.475	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	246114	16.774	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	23220	13.676	ug/l	87
82) 4-Chlorotoluene	11.51	91	220005	16.315	ug/l	99
83) tert-Butylbenzene	11.77	119	243697	16.834	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	247704	16.718	ug/l	100
85) sec-Butylbenzene	11.94	105	267207	16.136	ug/l	98
86) p-Isopropyltoluene	12.06	119	255915	16.062	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	146258	16.383	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	148082	16.394	ug/l	98
89) n-Butylbenzene	12.38	91	192897	14.625	ug/l	99
90) Hexachloroethane	12.59	117	37302	15.070	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	149967	16.654	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.99	75	22730	16.799	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082319\
Data File : VX011808.D
Acq On : 23 Aug 2019 19:11
Operator : JC/SP
Sample : VX0823MBSD01
Misc : 5.0µ/10mL/100uL/10mL/MSVOA_X/MEOH
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0823MBSD01

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:19 AM

Quant Time: Aug 26 03:41:30 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	13.65	180	105381	15.910	ug/l	99
94) Hexachlorobutadiene	13.78	225	51764	14.262	ug/l	98
95) Naphthalene	13.83	128	322503	17.679	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	109998	16.540	ug/l	99

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

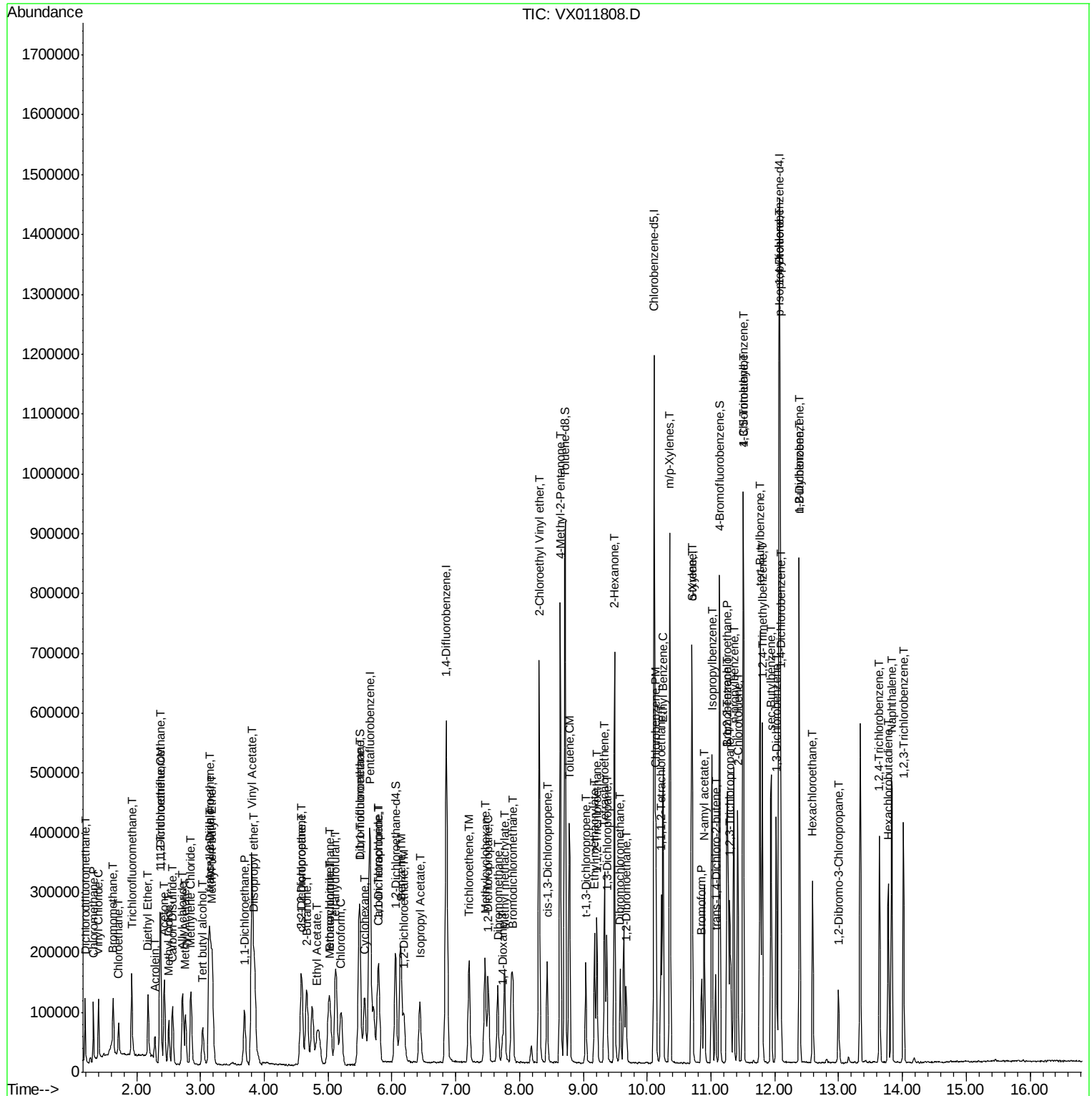
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX082319\
Data File : VX011808.D
Acq On : 23 Aug 2019 19:11
Operator : JC/SP
Sample : VX0823MBS01
Misc : 5.0µL/10mL/100uL/10mL/MSVOA_X/MEOH
ALS Vial : 25 Sample Multiplier: 1

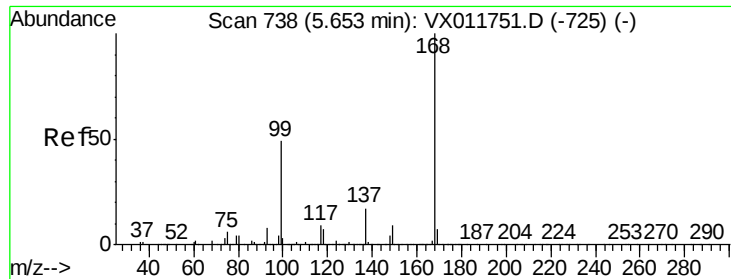
Instrument :
MSVOA_X
ClientSampleID :
VX0823MBS01

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:19 AM

Quant Time: Aug 26 03:41:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 23 01:48:12 2019
Response via : Initial Calibration





#1

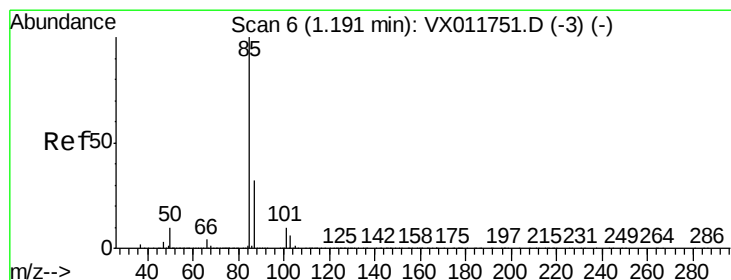
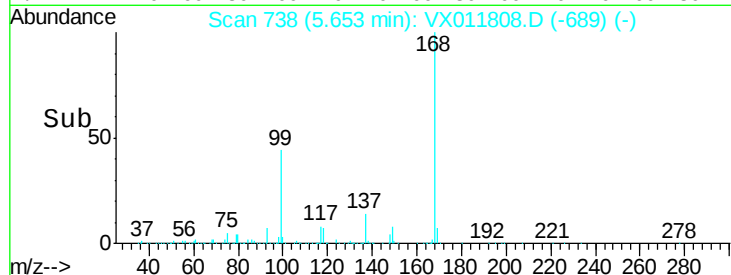
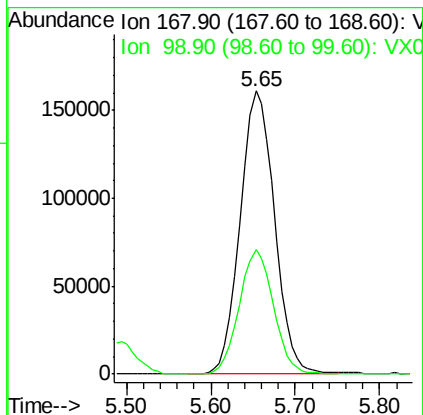
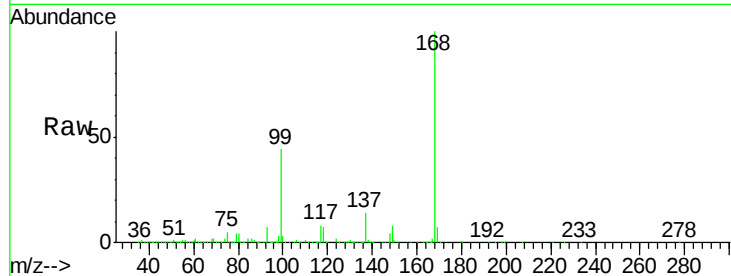
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: VX011808.D
 Acq: 23 Aug 2019 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823MBSD01

Tot Ion	Ratio	Lower	Upper
168	100		
99	44.0	39.4	59.2

Manual Integrations
 APPROVED

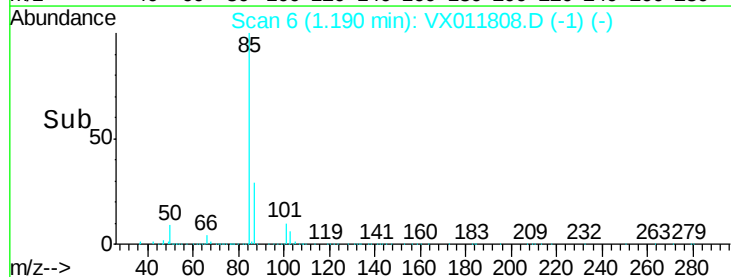
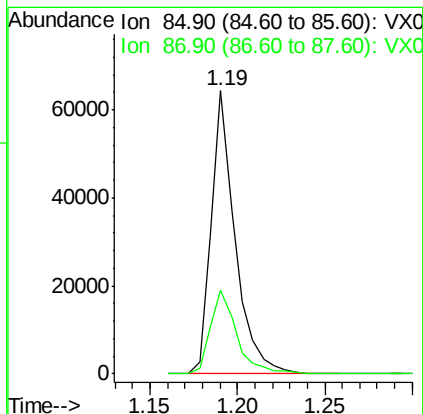
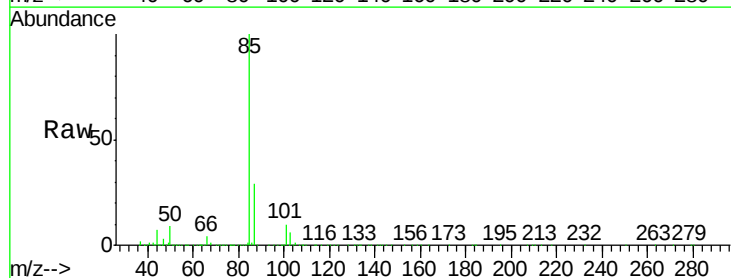
MMDadoda
 8/26/2019 11:40:19 AM

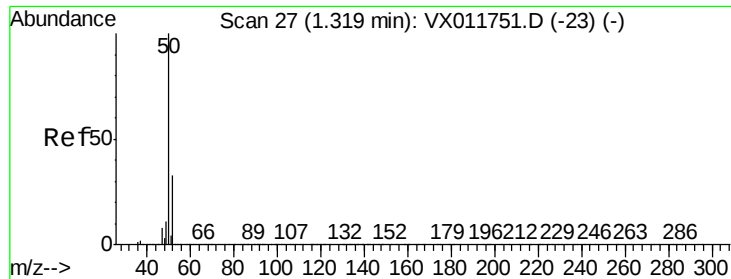


#2

Dichlorodifluoromethane
 Concen: 14.567 ug/l
 RT: 1.19 min Scan# 6
 Delta R.T. -0.00 min
 Lab File: VX011808.D
 Acq: 23 Aug 2019 19:11

Tgt Ion	Ratio	Lower	Upper
85	100		
87	29.3	16.1	48.2





#3

Chloromethane

Concen: 16.865 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Instrument :

MSVOA_X

ClientSampleId :

VX0823MBSD01

Tot Ion: 50 Resp: 61329

Ion Ratio Lower Upper

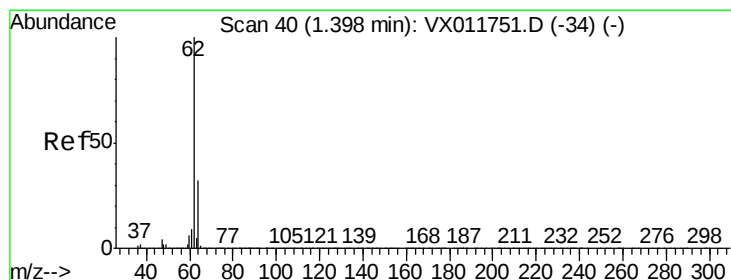
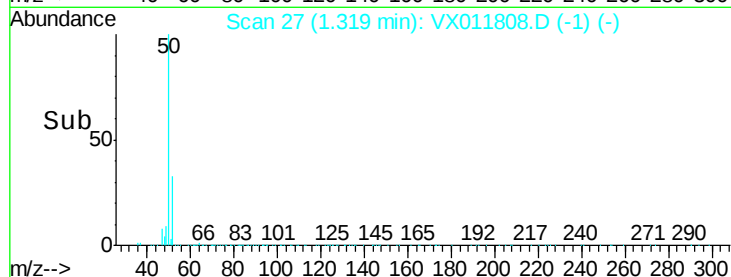
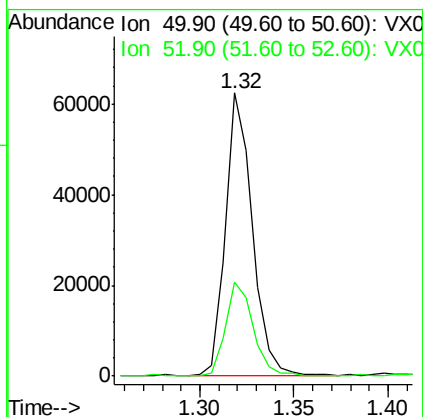
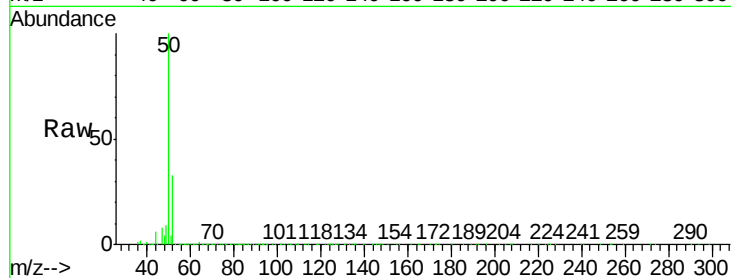
50 100

52 32.8 26.6 39.8

Manual Integrations
APPROVED

MMDadoda

8/26/2019 11:40:19 AM



#4

Vinyl Chloride

Concen: 17.122 ug/l

RT: 1.40 min Scan# 40

Delta R.T. -0.00 min

Lab File: VX011808.D

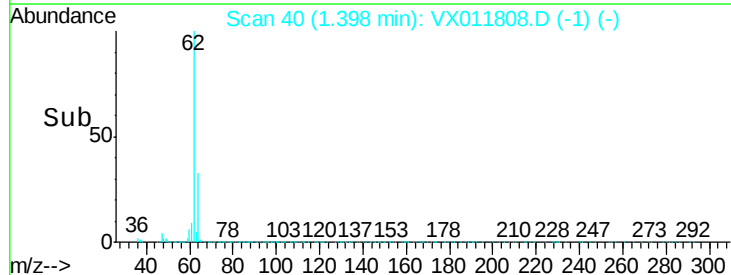
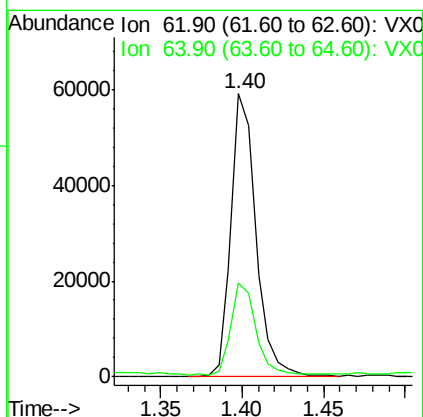
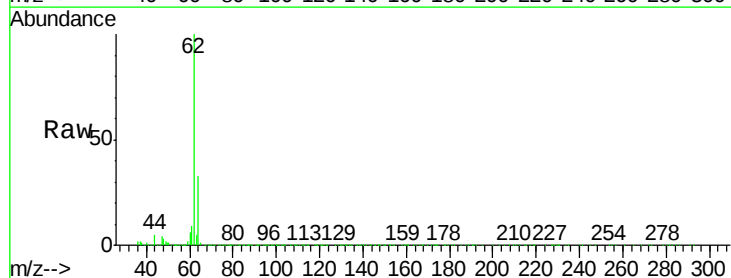
Acq: 23 Aug 2019 19:11

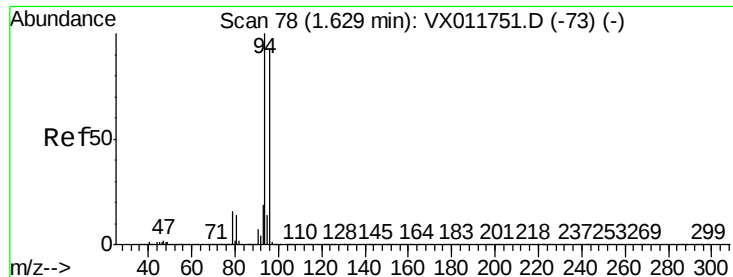
Tgt Ion: 62 Resp: 62243

Ion Ratio Lower Upper

62 100

64 32.5 25.5 38.3





#5

Bromomethane

Concen: 17.966 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Instrument :

MSVOA_X

ClientSampleId :

VX0823MBSD01

Tot Ion: 94 Resp: 35979

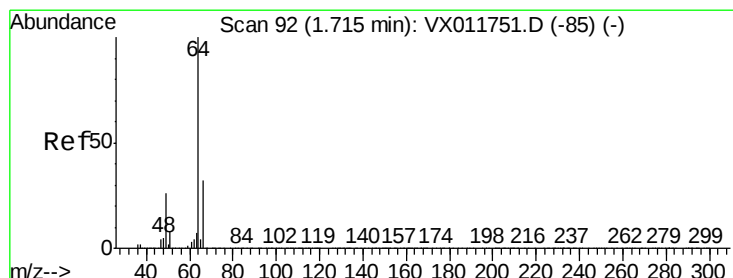
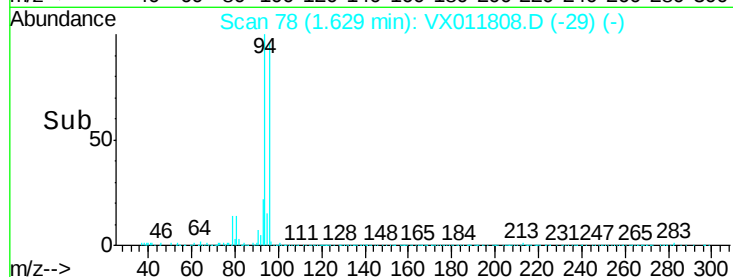
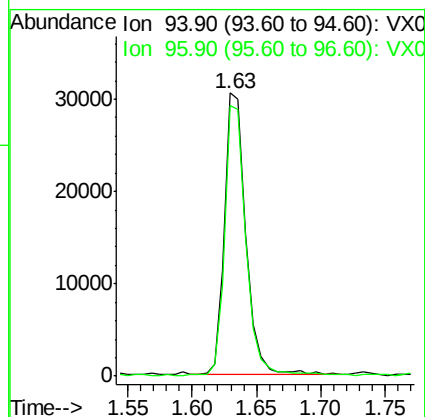
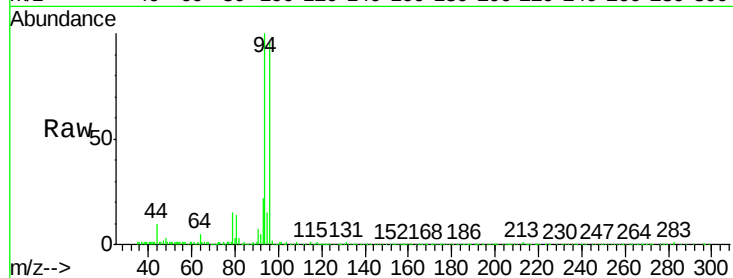
Ion Ratio Lower Upper

94 100

96 95.6 74.1 111.1

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:19 AM



#6

Chloroethane

Concen: 17.098 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX011808.D

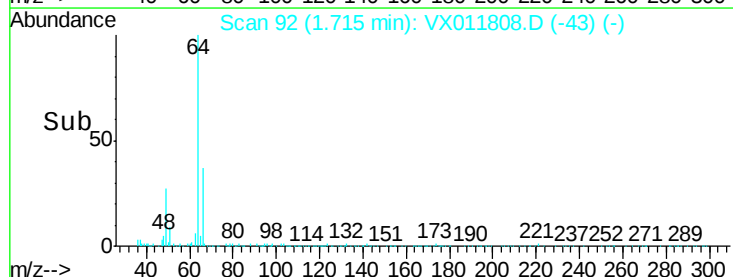
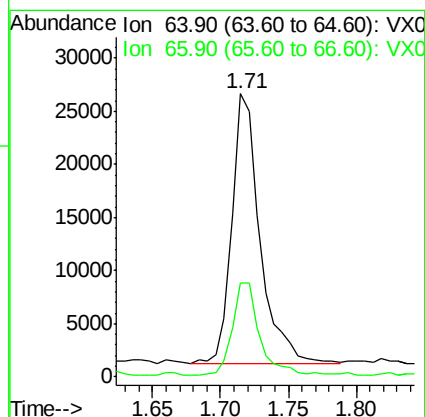
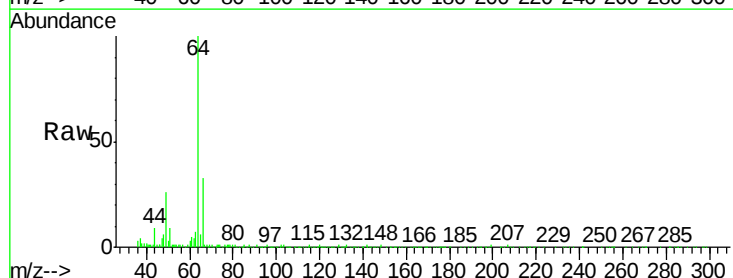
Acq: 23 Aug 2019 19:11

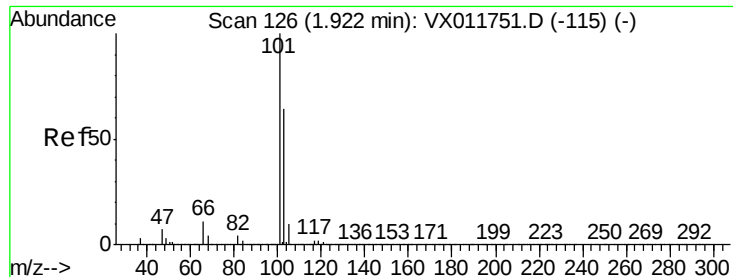
Tgt Ion: 64 Resp: 36339

Ion Ratio Lower Upper

64 100

66 34.3 24.9 37.3





#7

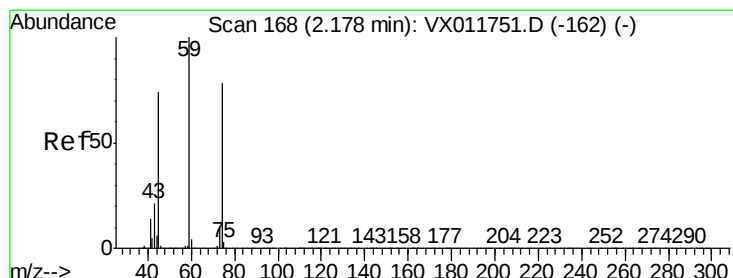
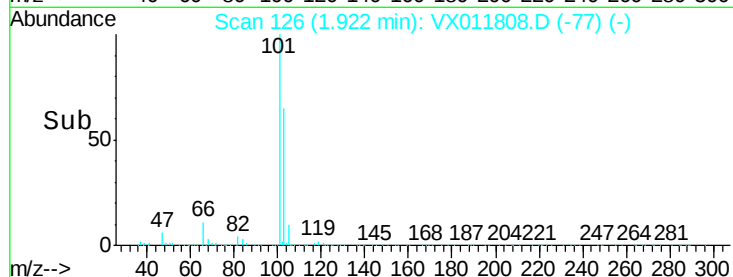
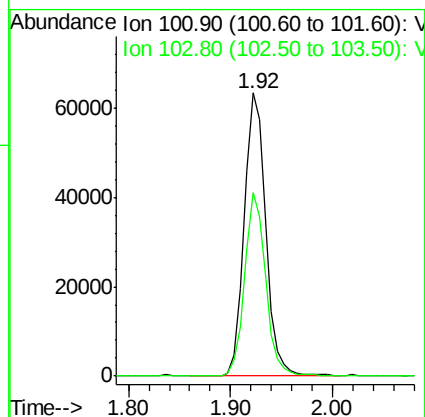
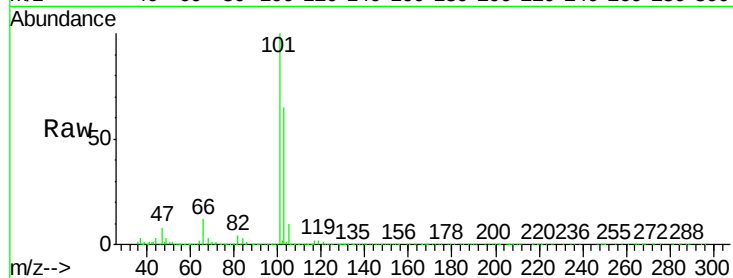
Trichlorofluoromethane
Concen: 15.987 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Instrument :
MSVOA_X
ClientSampleId :
VX0823MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.2	76.8

Manual Integrations
APPROVED

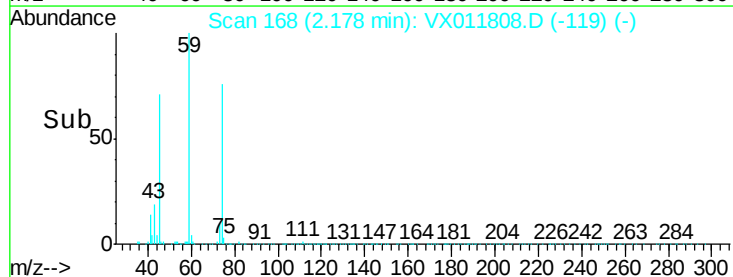
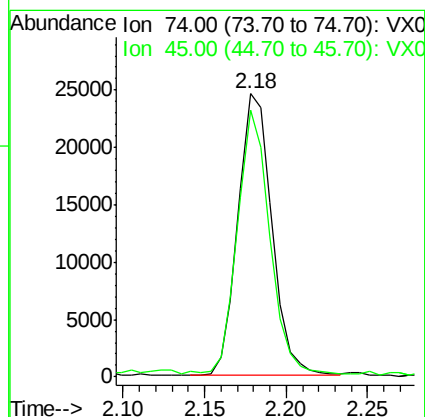
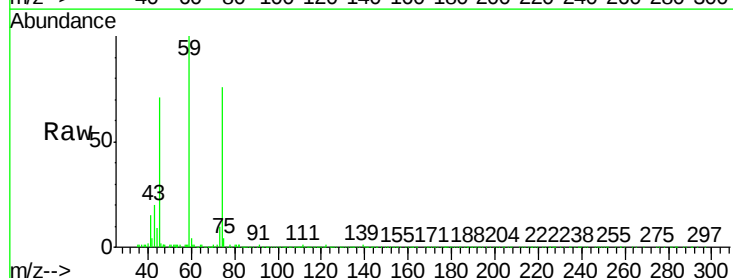
MMDadoda
8/26/2019 11:40:19 AM

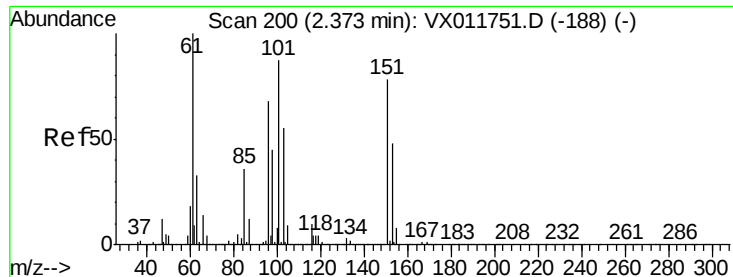


#8

Diethyl Ether
Concen: 18.313 ug/l
RT: 2.18 min Scan# 168
Delta R.T. -0.00 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.2	46.7	140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 14.367 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Instrument :

MSVOA_X

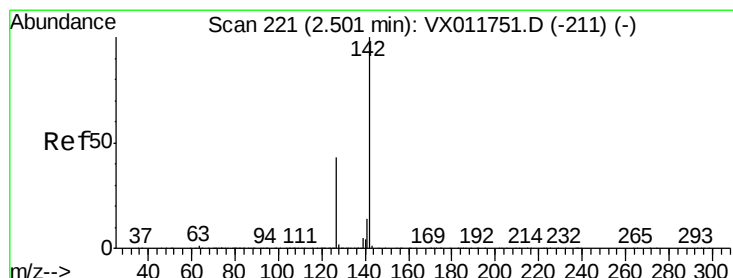
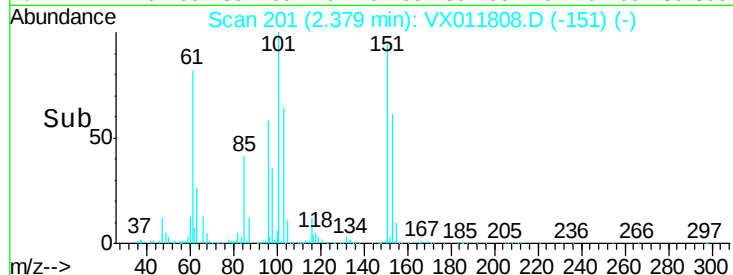
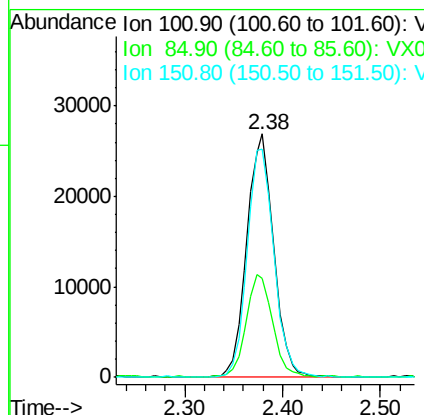
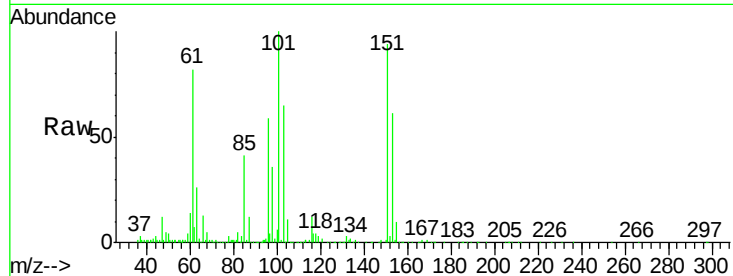
ClientSampleId :

VX0823MBSD01

Tot Ion:	101	Resp:	51452
Ion Ratio	Lower	Upper	
101	100		
85	40.7	33.7	50.5
151	93.7	71.4	107.2

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:19 AM



#10

Methyl Iodide

Concen: 17.059 ug/l

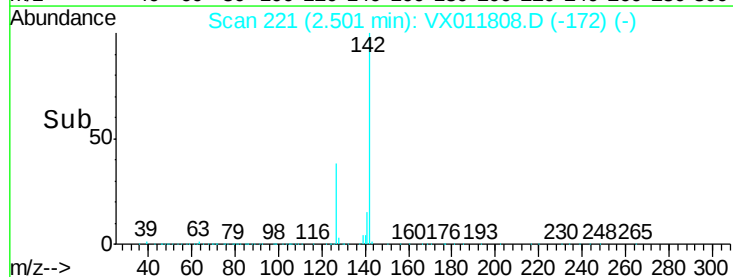
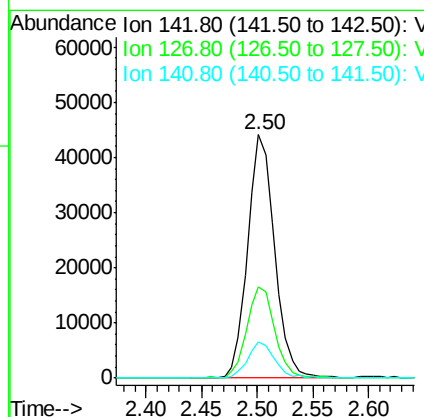
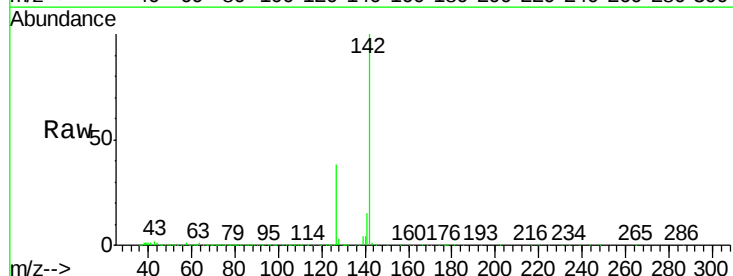
RT: 2.50 min Scan# 221

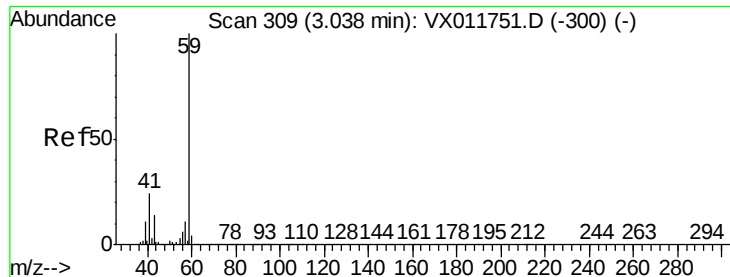
Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Tgt Ion:	142	Resp:	74622
Ion Ratio	Lower	Upper	
142	100		
127	39.3	33.5	50.3
141	15.2	11.4	17.2





#11

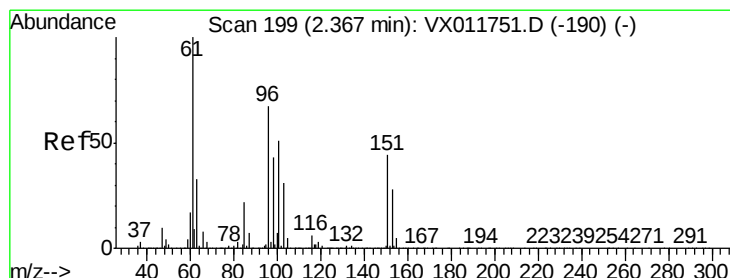
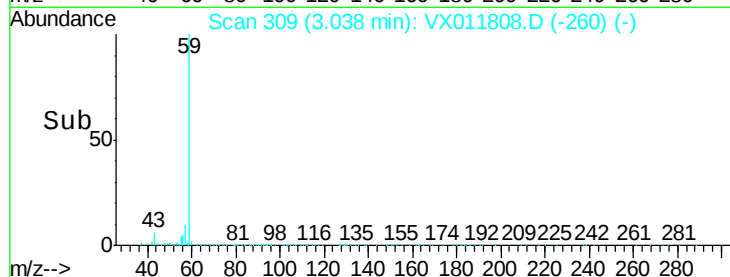
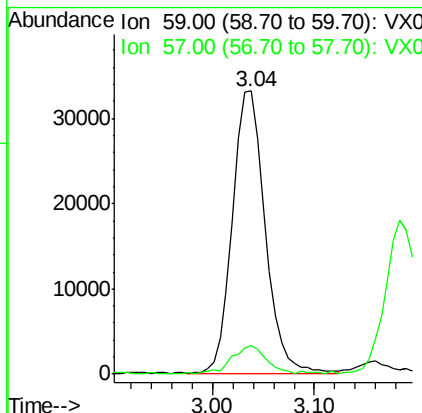
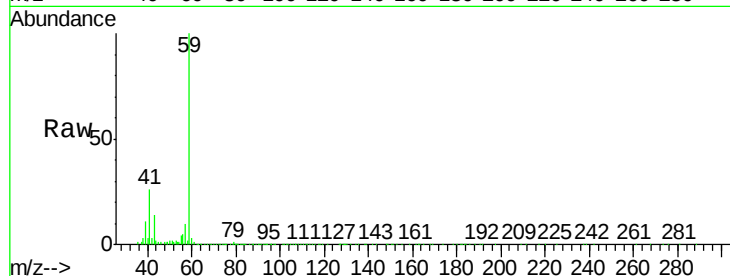
Tert butyl alcohol
Concen: 83.388 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.00 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Instrument :
MSVOA_X
ClientSampleId :
VX0823MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.4	12.6

Manual Integrations
APPROVED

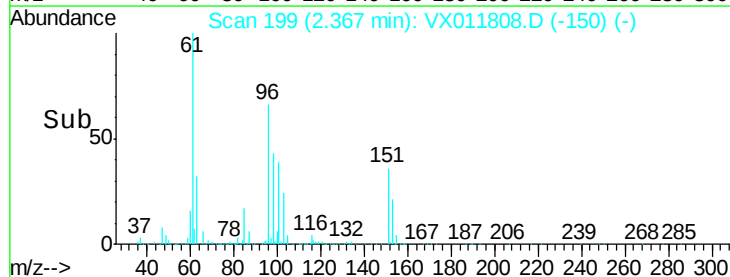
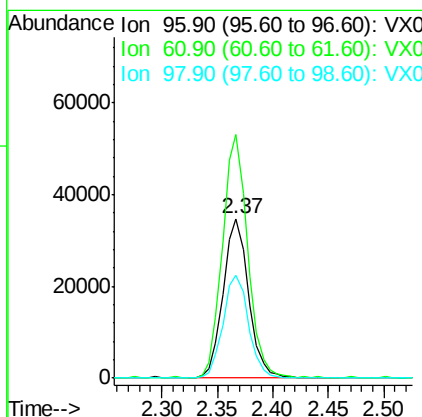
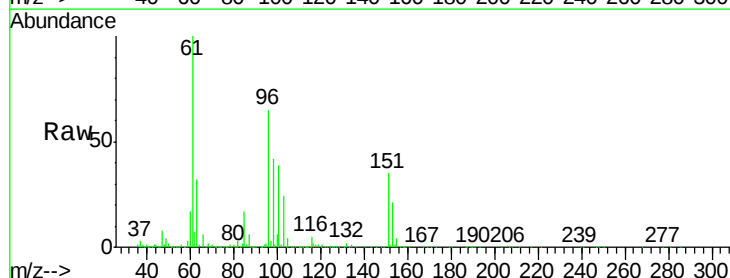
MMDadoda
8/26/2019 11:40:19 AM

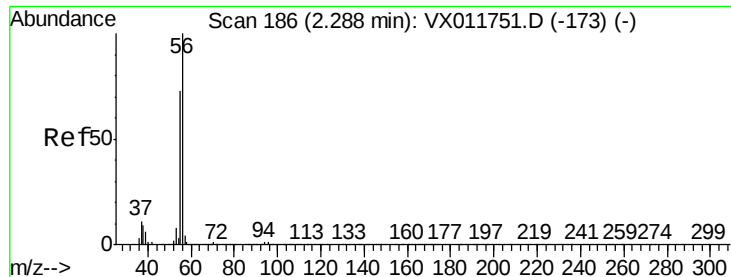


#12

1,1-Dichloroethene
Concen: 15.877 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.2	119.4	179.2
98	64.9	51.2	76.8





#13

Acrolein

Concen: 95.946 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Instrument :

MSVOA_X

ClientSampleId :

VX0823MBS01

Tot Ion: 56 Resp: 32710

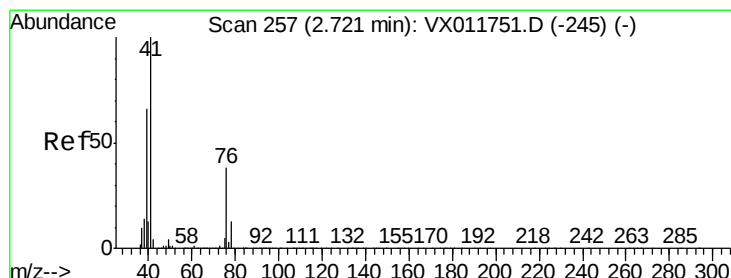
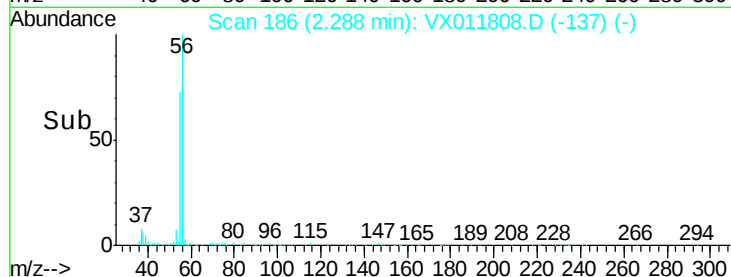
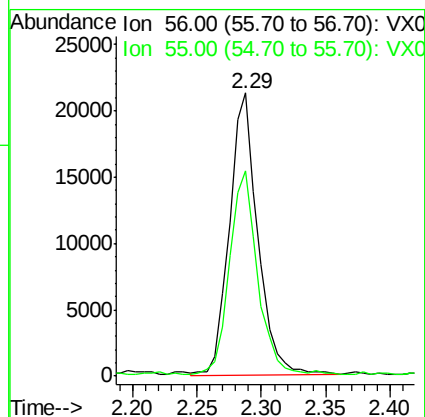
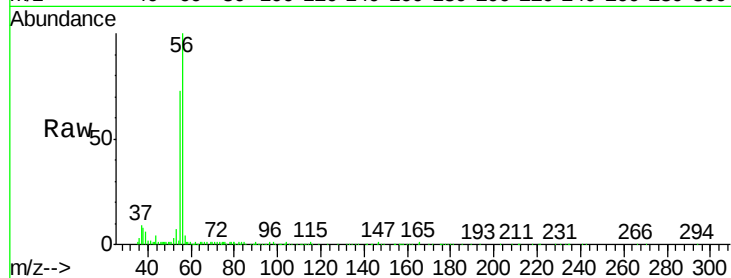
Ion Ratio Lower Upper

56 100

55 70.7 54.8 82.2

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:19 AM



#14

Allyl chloride

Concen: 15.837 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

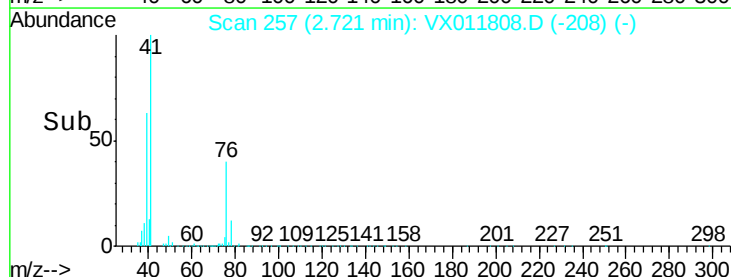
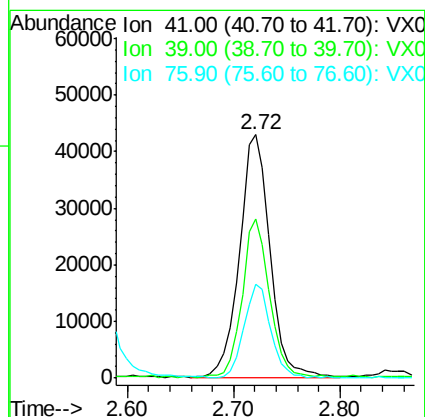
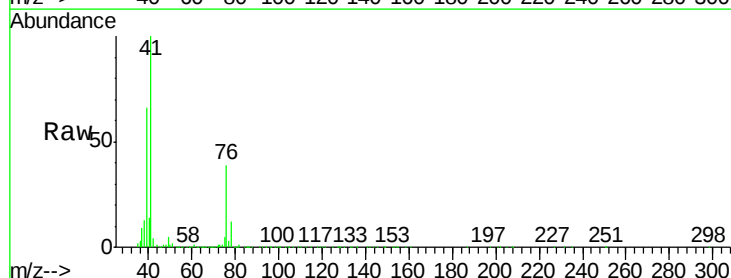
Tgt Ion: 41 Resp: 86439

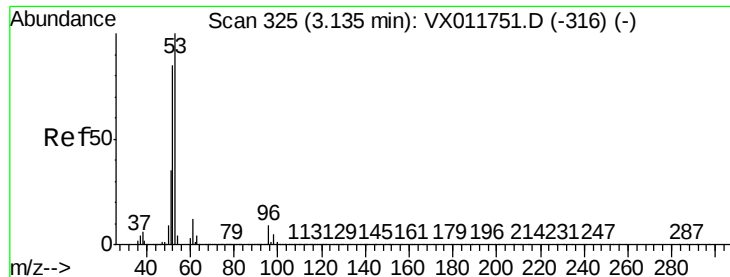
Ion Ratio Lower Upper

41 100

39 58.6 49.3 73.9

76 34.0 26.8 40.2





#15

Acrylonitrile

Concen: 86.852 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Instrument :

MSVOA_X

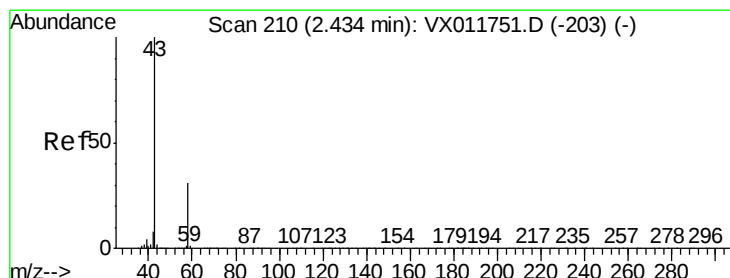
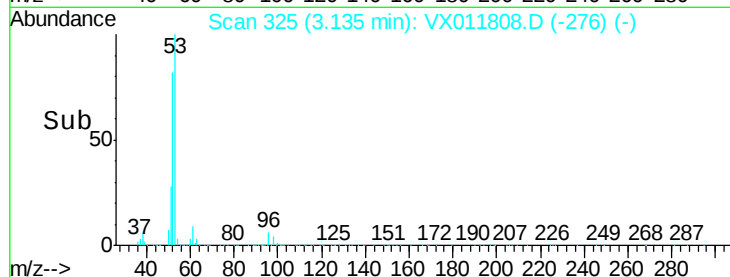
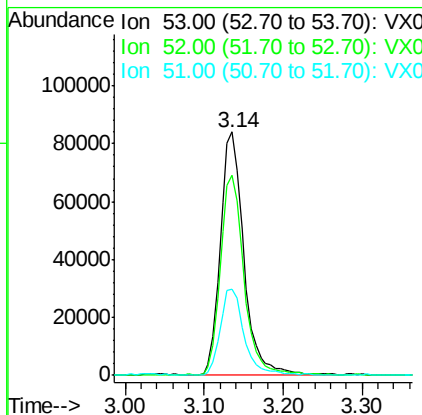
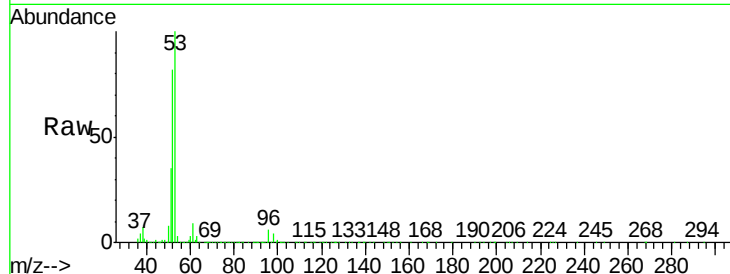
ClientSampleId :

VX0823MBS01

Tot Ion:	53	Resp:	175203
Ion Ratio	Lower	Upper	
53	100		
52	81.5	65.7	98.5
51	35.9	28.6	43.0

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:19 AM



#16

Acetone

Concen: 73.274 ug/l

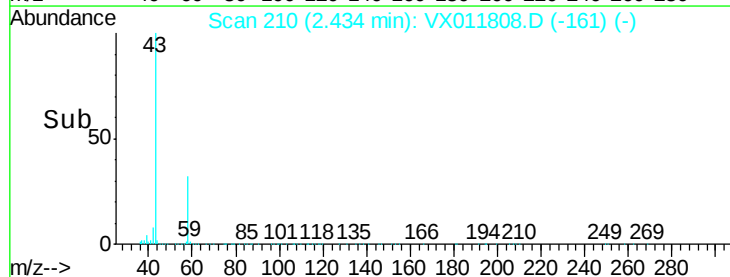
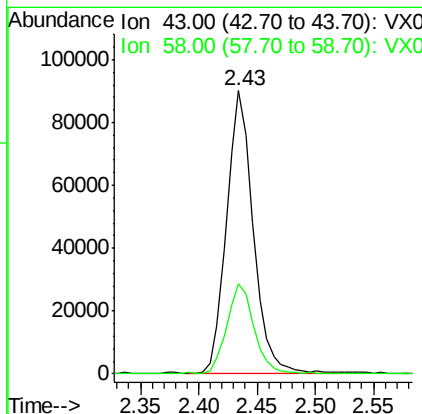
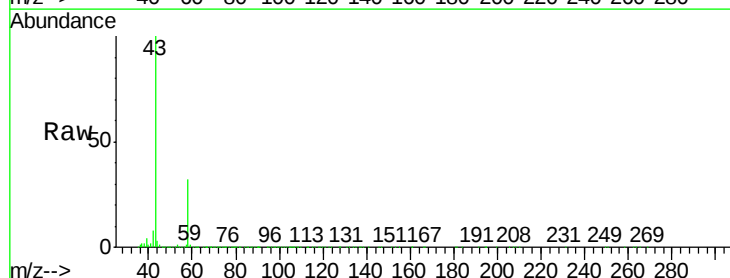
RT: 2.43 min Scan# 210

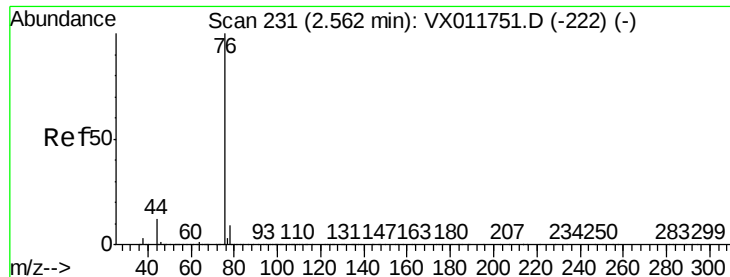
Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Tgt Ion:	43	Resp:	142263
Ion Ratio	Lower	Upper	
43	100		
58	31.6	24.4	36.6





#17

Carbon Disulfide

Concen: 14.152 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Instrument :

MSVOA_X

ClientSampleId :

VX0823MBSD01

Tot Ion: 76 Resp: 124951

Ion Ratio Lower Upper

76 100

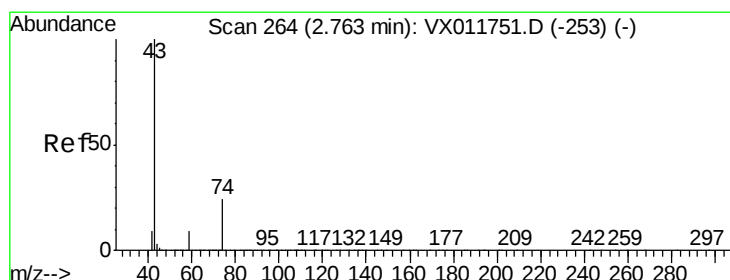
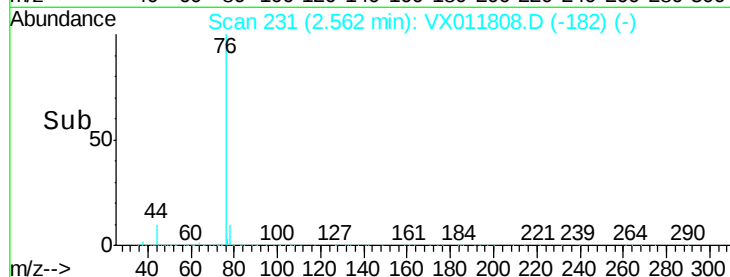
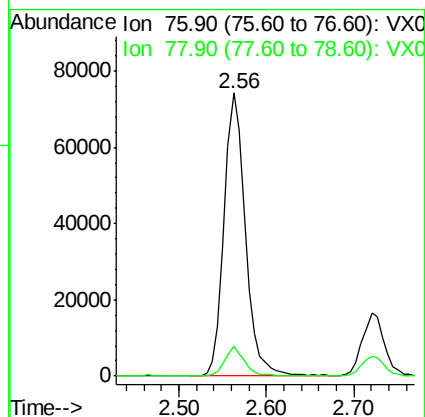
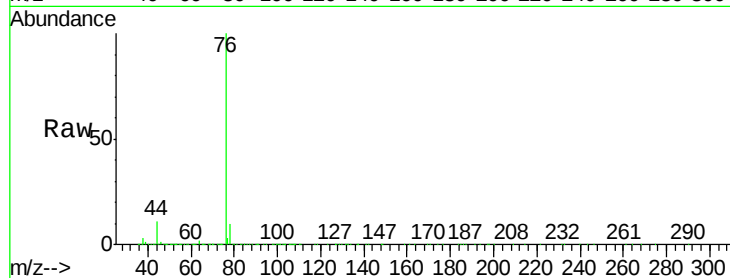
78 10.4 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

8/26/2019 11:40:19 AM



#18

Methyl Acetate

Concen: 18.516 ug/l

RT: 2.76 min Scan# 264

Delta R.T. -0.00 min

Lab File: VX011808.D

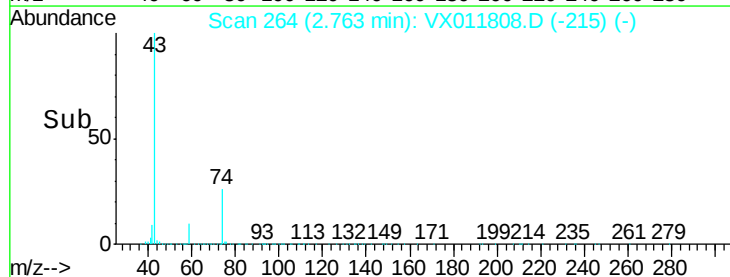
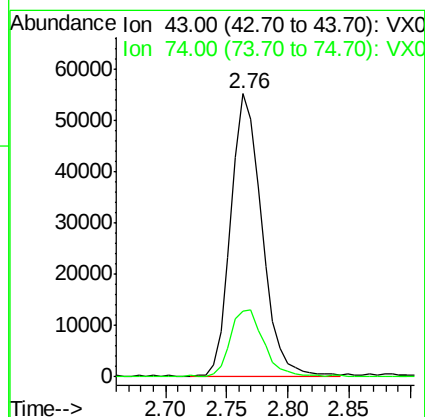
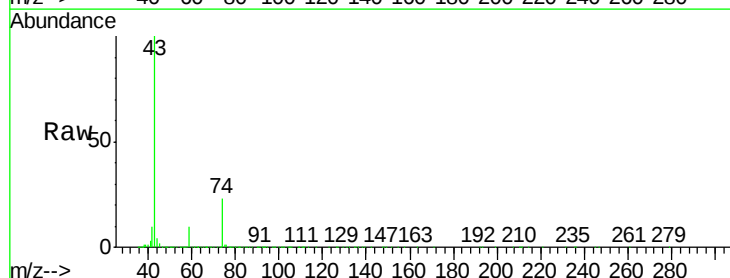
Acq: 23 Aug 2019 19:11

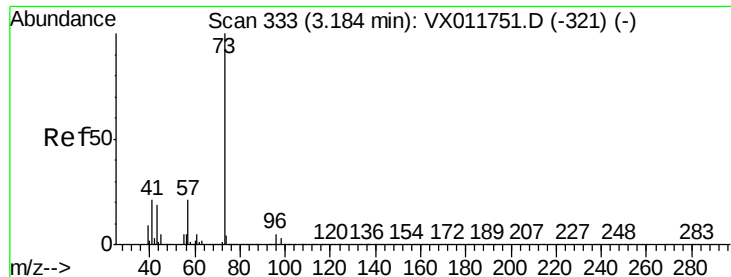
Tgt Ion: 43 Resp: 97545

Ion Ratio Lower Upper

43 100

74 26.1 19.5 29.3





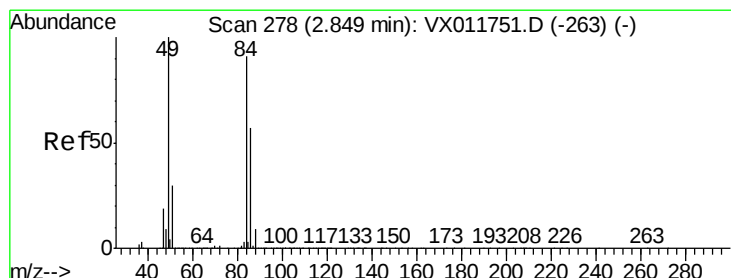
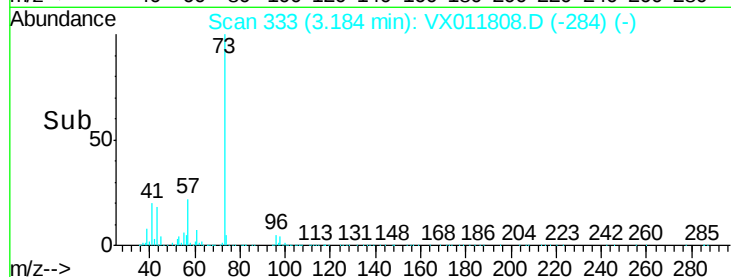
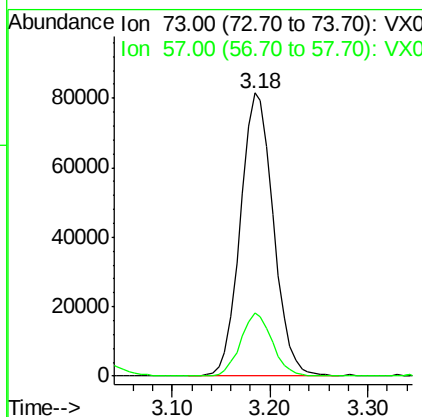
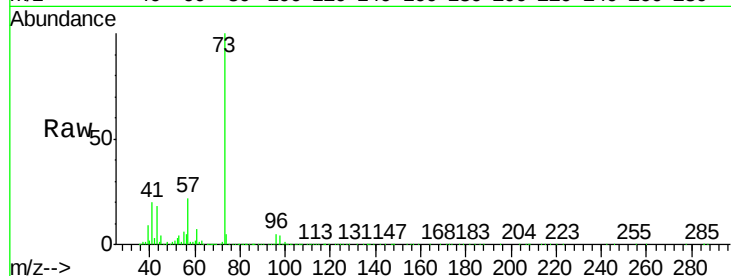
#19
Methvl tert-butvl Ether
Concen: 17.011 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.00 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Instrument :
MSVOA_X
ClientSampleId :
VX0823MBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	16.4	24.6

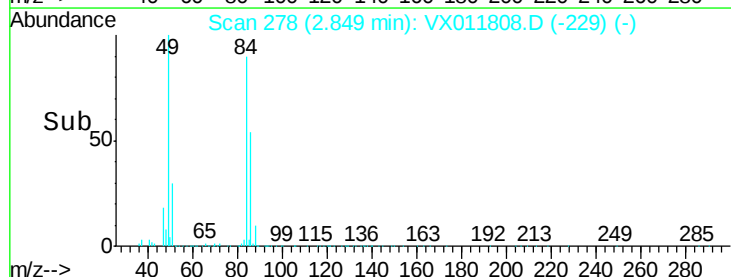
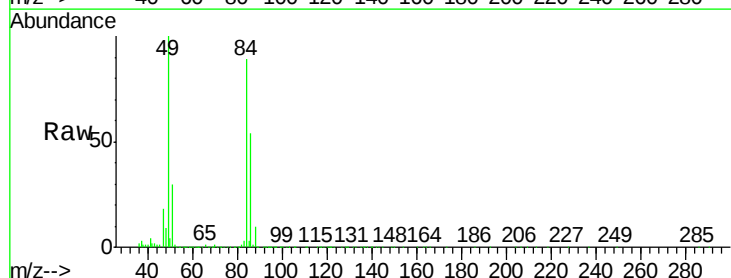
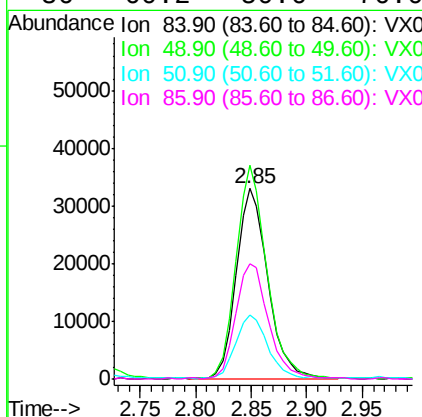
Manual Integrations
APPROVED

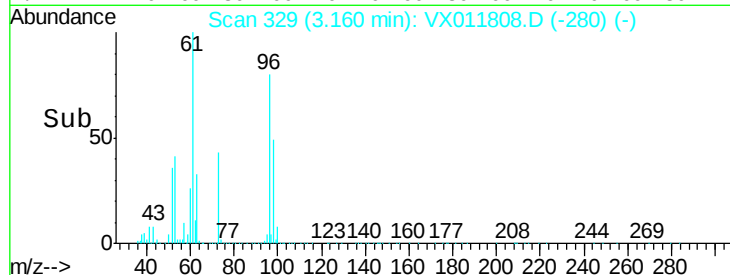
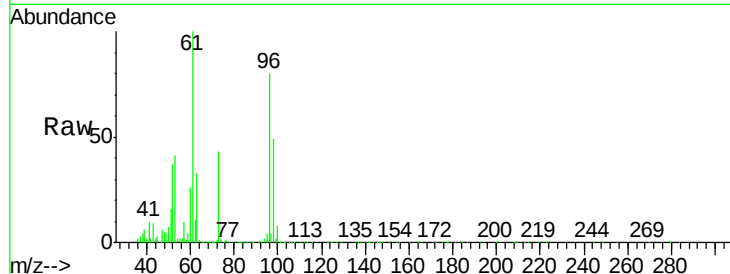
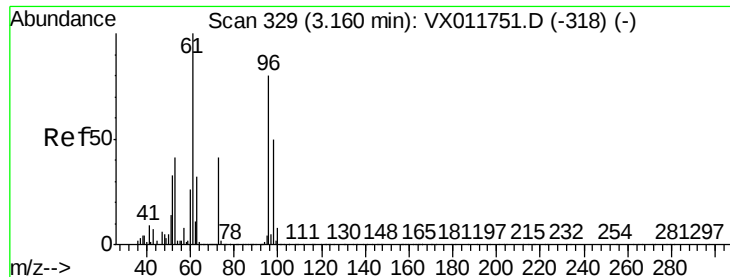
MMDadoda
8/26/2019 11:40:19 AM



#20
Methylene Chloride
Concen: 16.302 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.7	88.3	132.5
51	33.4	26.2	39.2
86	60.2	50.6	76.0





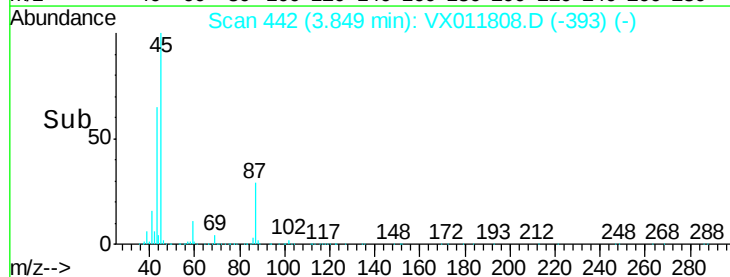
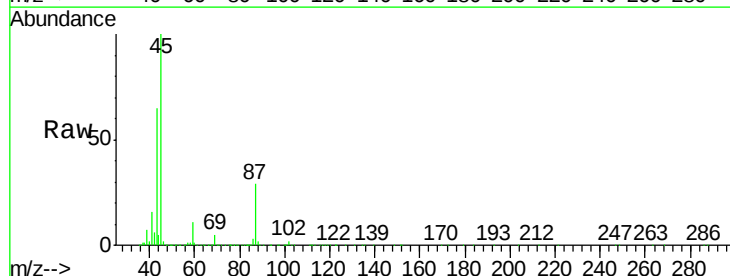
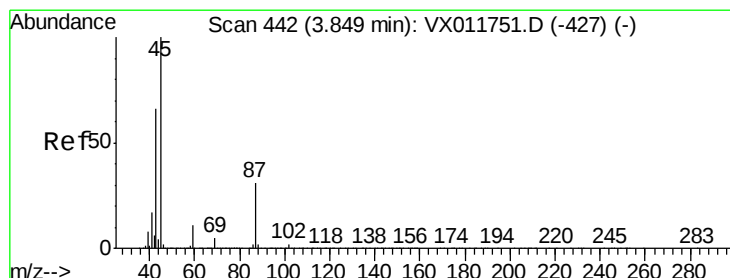
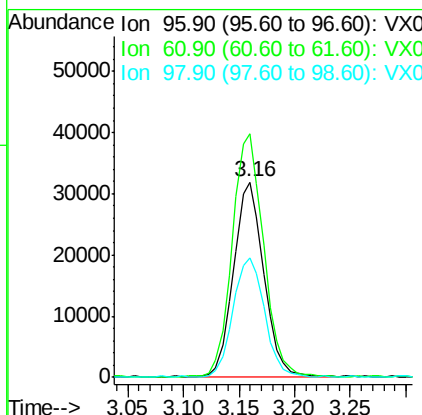
#21
trans-1,2-Dichloroethene
Concen: 16.105 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.00 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Tot Ion	Ratio	Resp	Lower	Upper
96	100	60662		
61	124.4	99.8	149.8	
98	60.8	50.3	75.5	

Instrument :
MSVOA_X
ClientSampleId :
VX0823MBS01

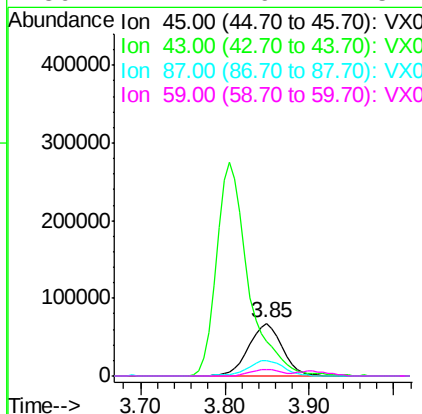
Manual Integrations
APPROVED

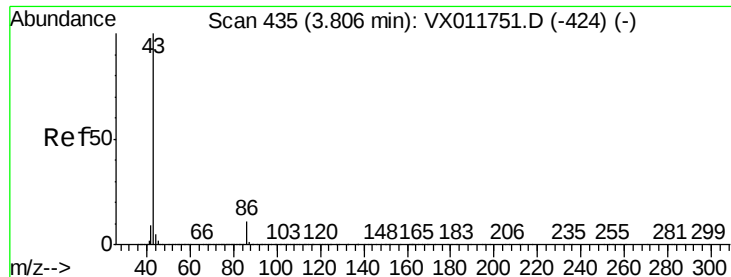
MMDadoda
8/26/2019 11:40:19 AM



#22
Diisopropyl ether
Concen: 17.146 ug/l
RT: 3.85 min Scan# 442
Delta R.T. -0.00 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	181474		
43	64.8	53.0	79.6	
87	29.1	24.7	37.1	
59	11.1	9.1	13.7	





#23

Vinyl Acetate

Concen: 81.535 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Instrument :

MSVOA_X

ClientSampleId :

VX0823MBS01

Tot Ion: 43 Resp: 714501

Ion Ratio Lower Upper

43 100

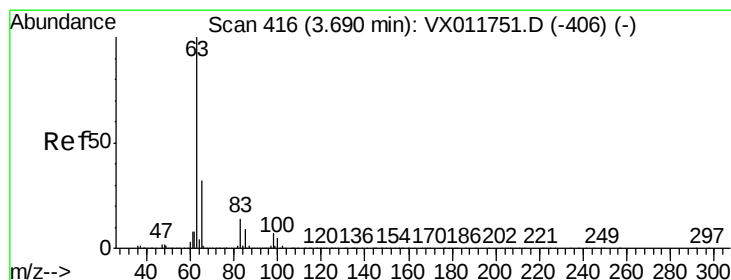
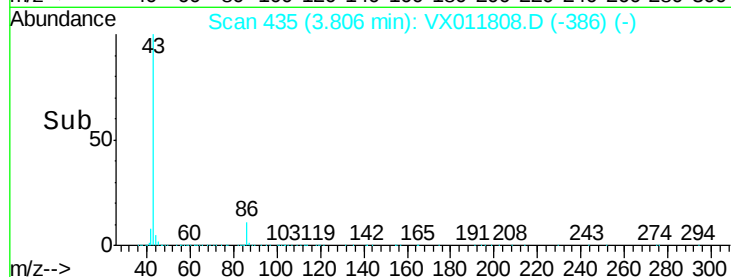
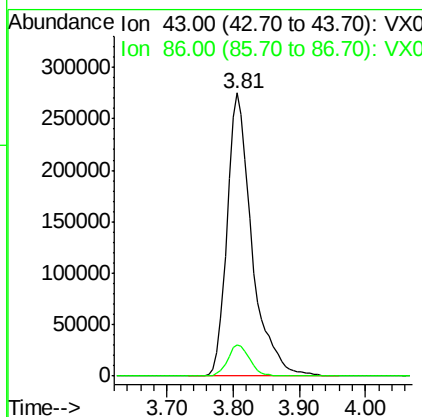
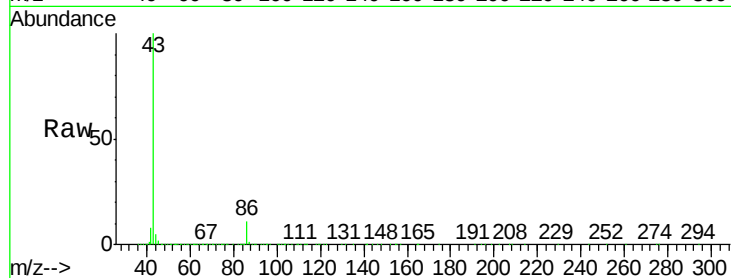
86 11.2 9.2 13.8

Manual Integrations

APPROVED

MMDadoda

8/26/2019 11:40:19 AM



#24

1,1-Dichloroethane

Concen: 16.717 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

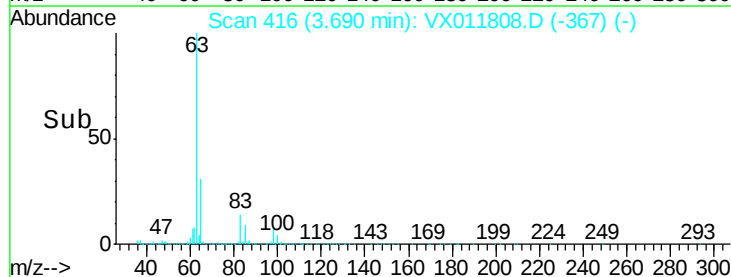
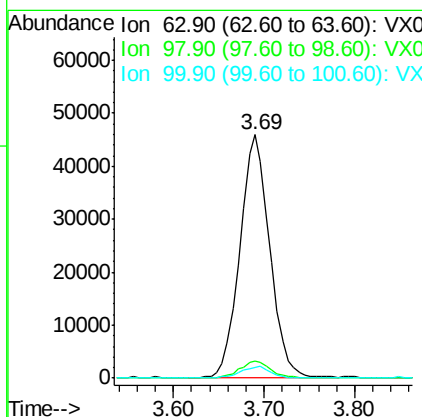
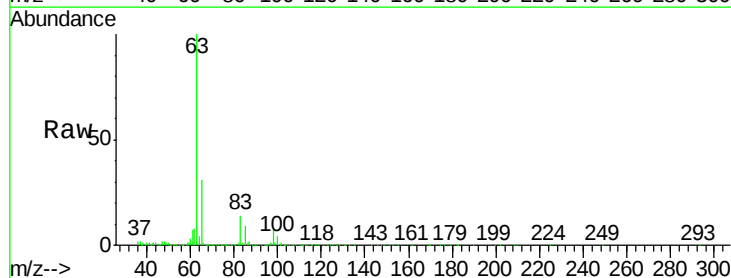
Tgt Ion: 63 Resp: 104464

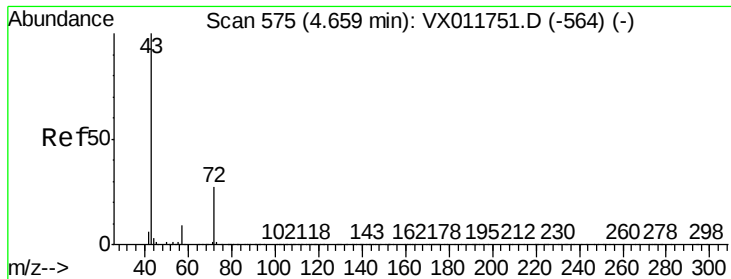
Ion Ratio Lower Upper

63 100

98 6.7 3.7 11.1

100 4.4 2.3 6.9





#25

2-Butanone

Concen: 84.163 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.01 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Instrument :

MSVOA_X

ClientSampleId :

VX0823MBSD01

Tot Ion: 43 Resp: 234543

Ion Ratio Lower Upper

43 100

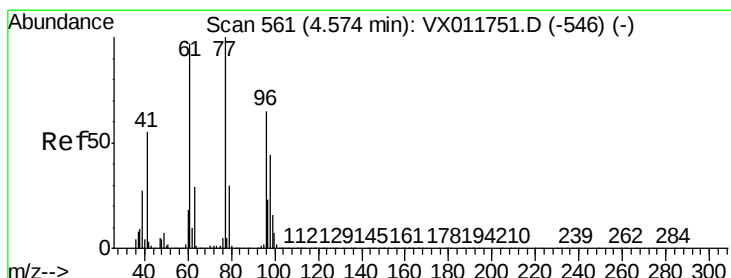
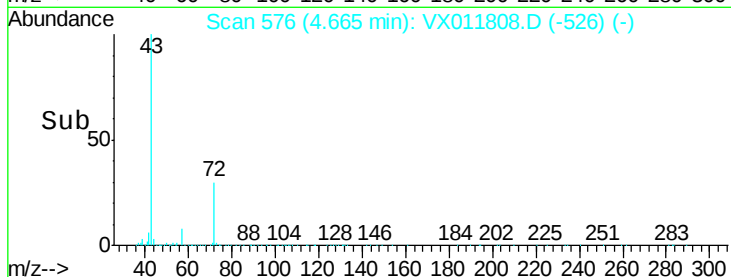
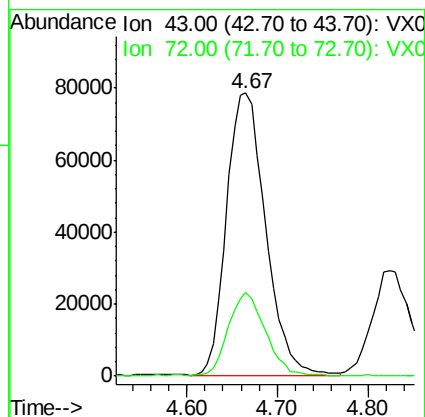
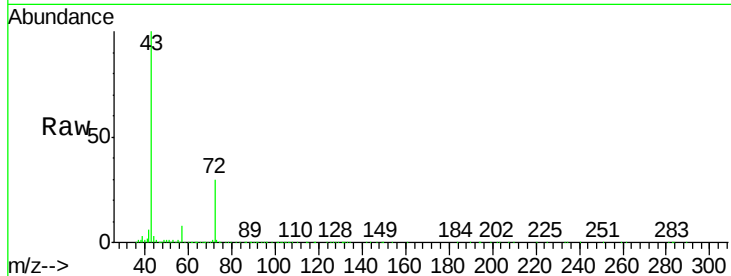
72 29.5 21.8 32.6

Manual Integrations

APPROVED

MMDadoda

8/26/2019 11:40:19 AM



#26

2,2-Dichloropropane

Concen: 11.478 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX011808.D

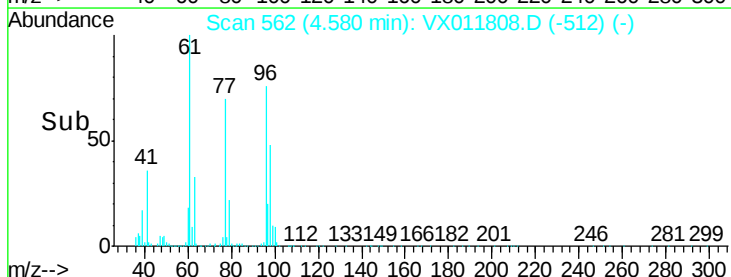
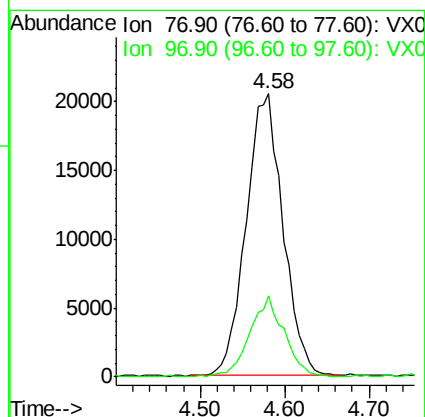
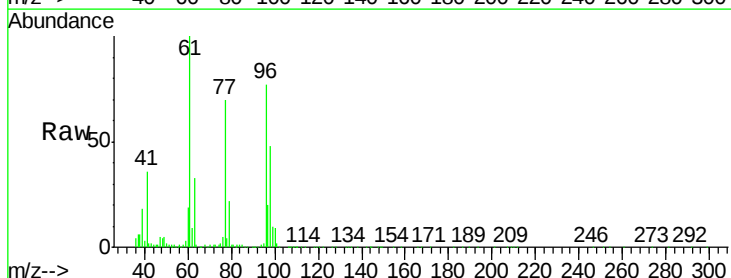
Acq: 23 Aug 2019 19:11

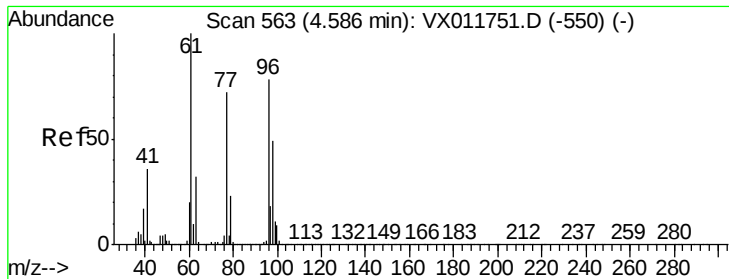
Tgt Ion: 77 Resp: 60909

Ion Ratio Lower Upper

77 100

97 26.9 12.2 36.6





#27

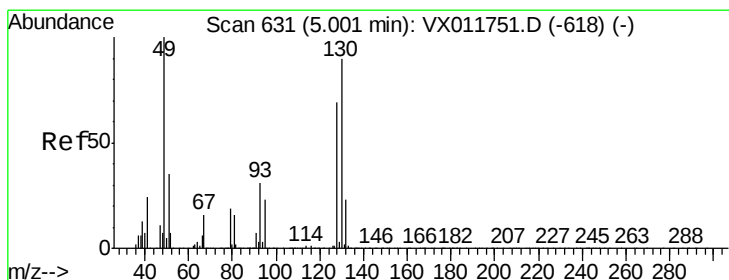
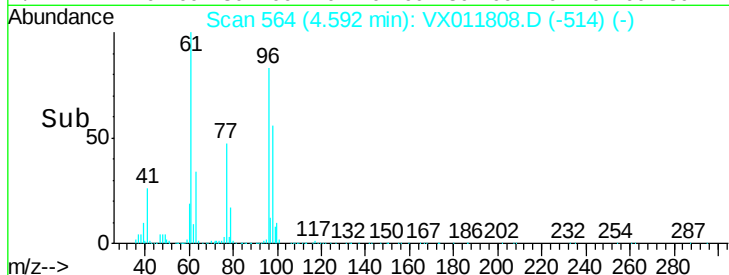
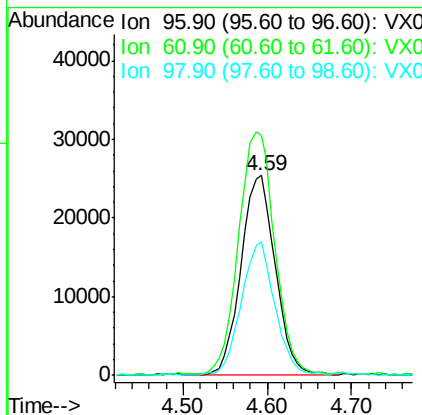
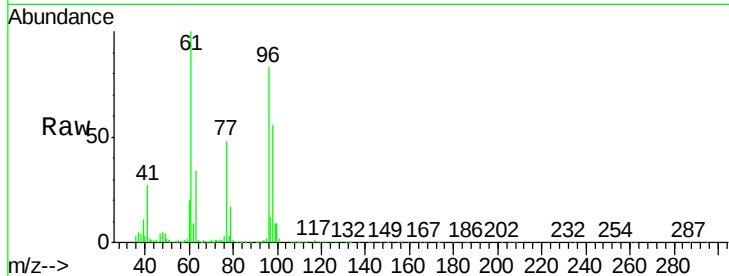
cis-1,2-Dichloroethene
Concen: 16.283 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.01 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Instrument :
MSVOA_X
ClientSampleId :
VX0823MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	70336		
61	126.6		0.0	275.8
98	64.4		0.0	128.2

Manual Integrations
APPROVED

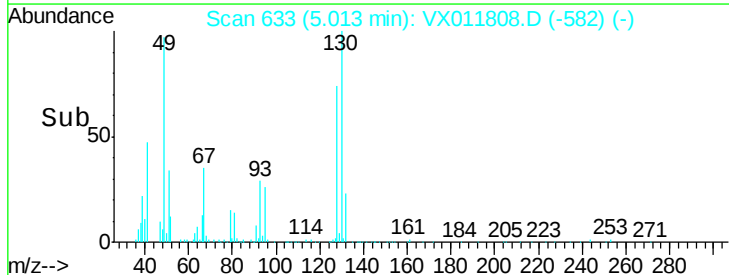
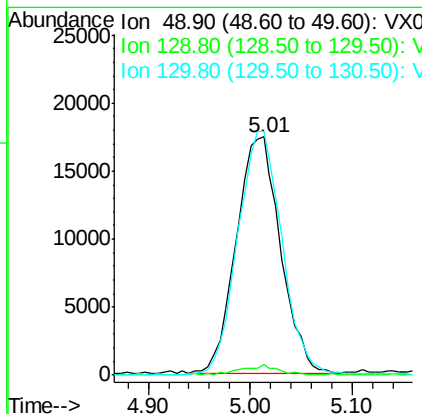
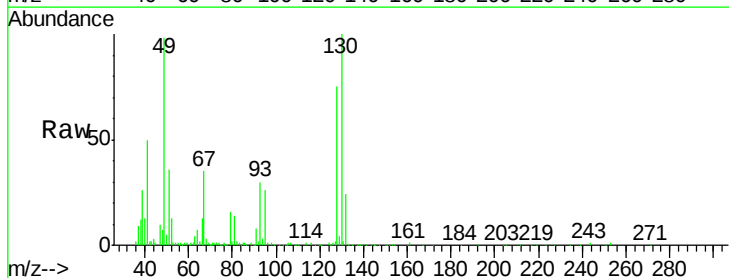
MMDadoda
8/26/2019 11:40:19 AM

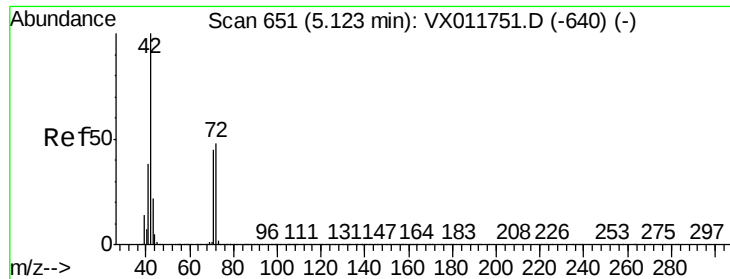


#28

Bromochloromethane
Concen: 18.410 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.01 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	52222		
129	3.6		0.0	5.8
130	103.9		76.8	115.2





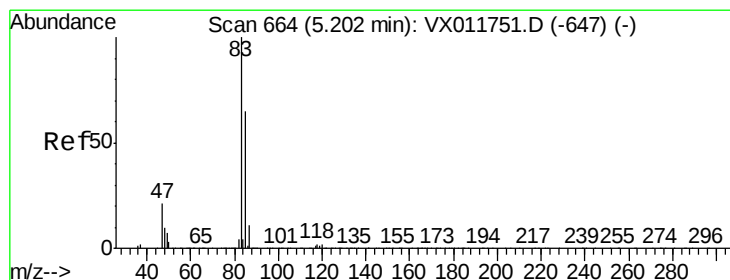
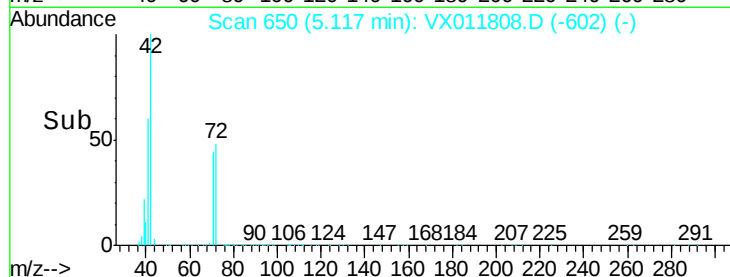
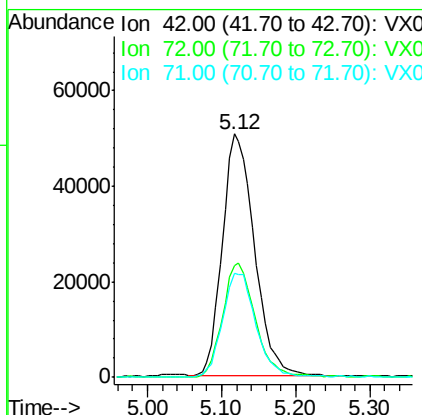
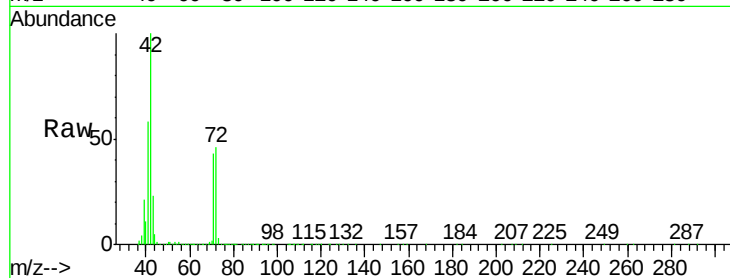
#29
Tetrahydrofuran
Concen: 85.192 ug/l
RT: 5.12 min Scan# 650
Delta R.T. -0.01 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Instrument :
MSVOA_X
ClientSampleId :
VX0823MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.9	37.6	56.4
71	44.6	34.6	51.8

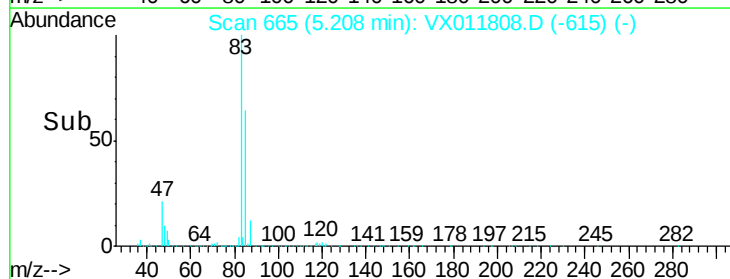
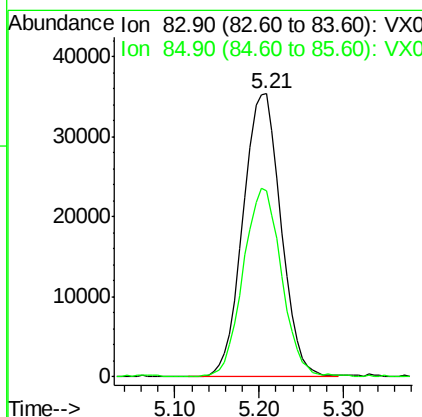
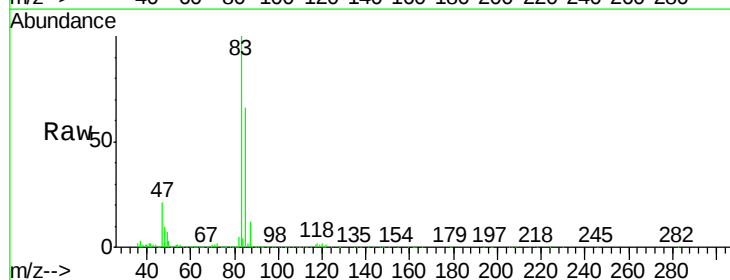
Manual Integrations
APPROVED

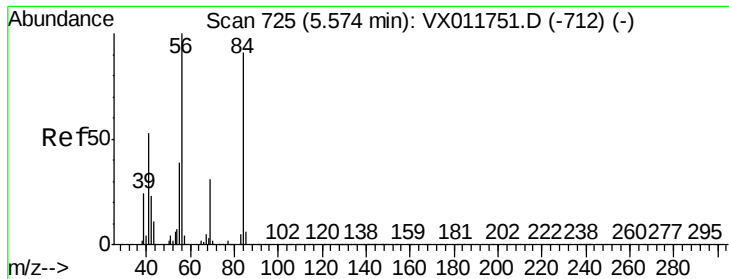
MMDadoda
8/26/2019 11:40:19 AM



#30
Chloroform
Concen: 15.993 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.01 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.8	77.8





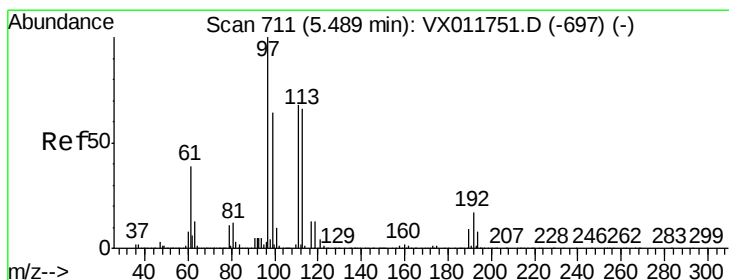
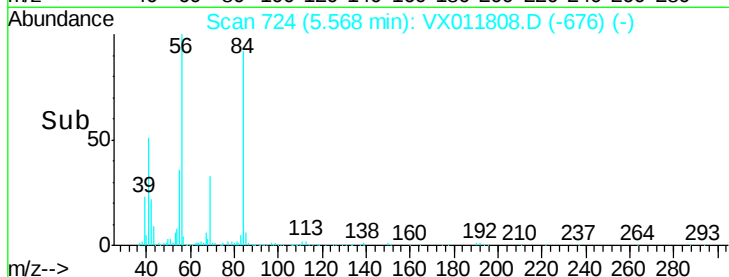
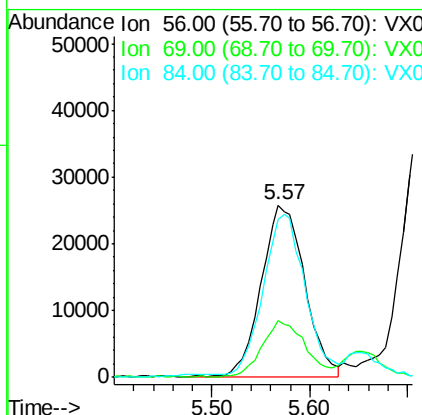
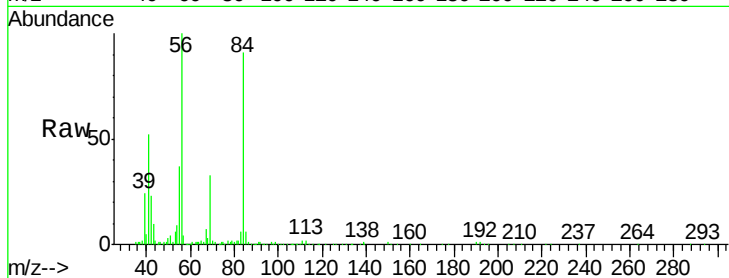
#31
Cyclohexane
Concen: 14.544 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Instrument :
MSVOA_X
ClientSampleId :
VX0823MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	24.5	36.7
84	89.7	72.7	109.1

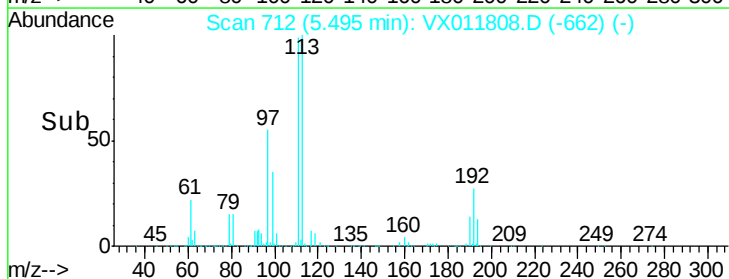
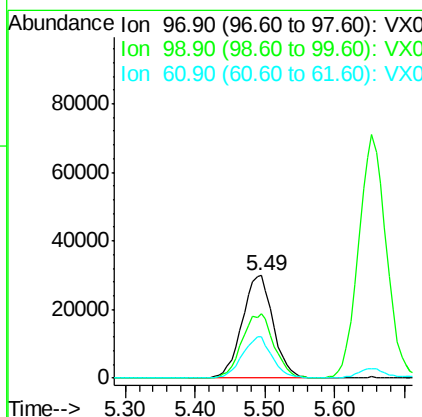
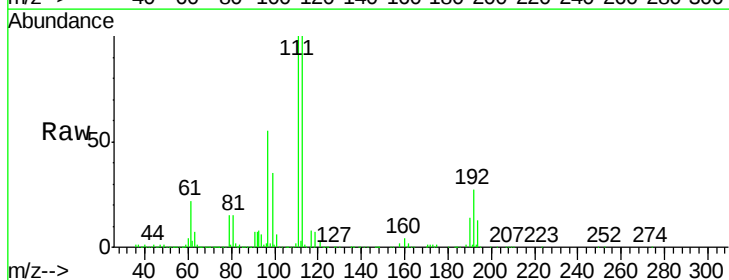
Manual Integrations
APPROVED

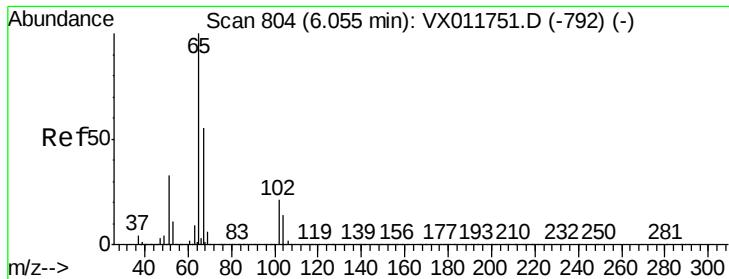
MMDadoda
8/26/2019 11:40:19 AM



#32
1,1,1-Trichloroethane
Concen: 15.580 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.0
61	37.7	31.6	47.4





#33

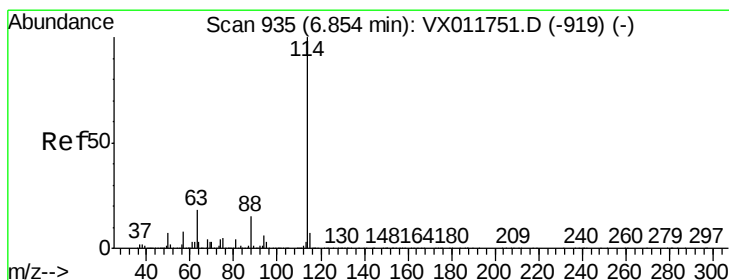
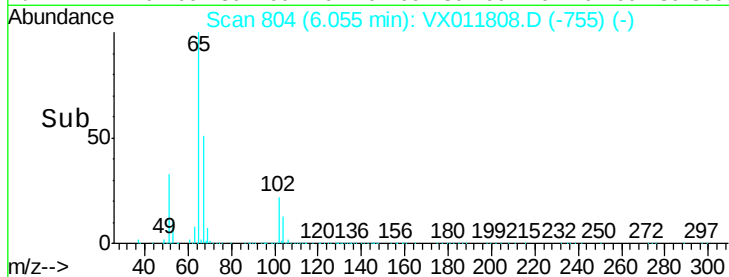
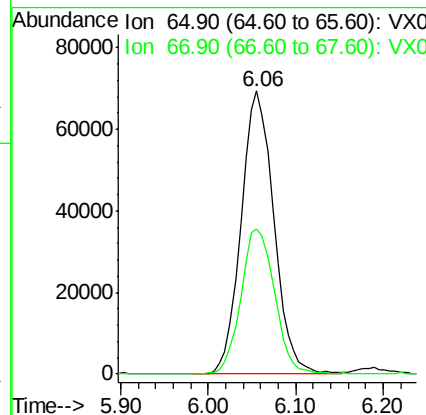
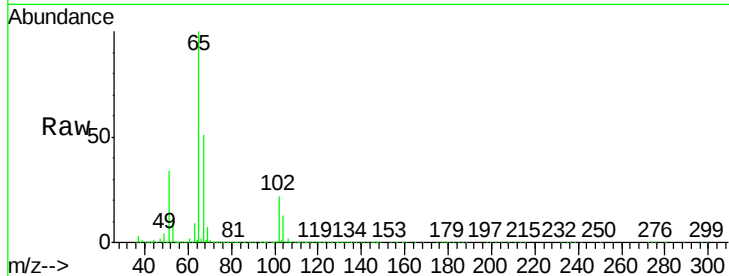
1,2-Dichloroethane-d4
Concen: 40.306 ug/l
RT: 6.06 min Scan# 804
Delta R.T. -0.00 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Instrument :
MSVOA_X
ClientSampleId :
VX0823MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	179892		
67	52.3	0.0	107.8	

Manual Integrations
APPROVED

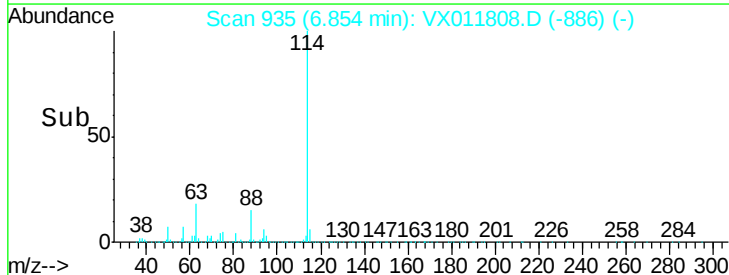
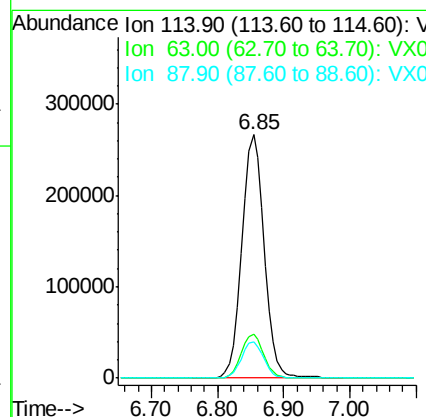
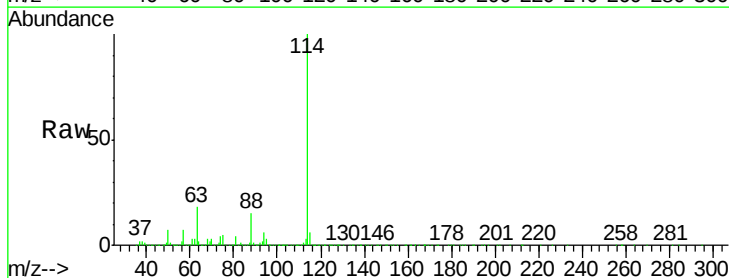
MMDadoda
8/26/2019 11:40:19 AM

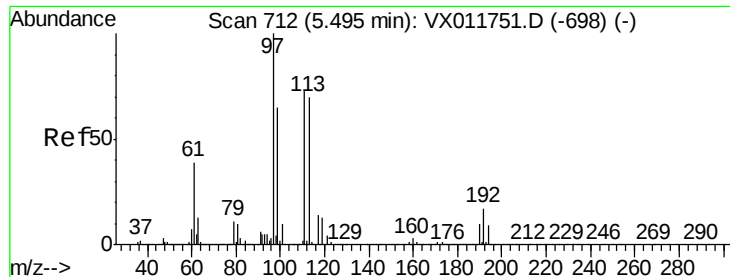


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.00 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	622810		
63	18.1	0.0	36.8	
88	14.9	0.0	30.2	





#35

Dibromofluoromethane

Concen: 38.314 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Instrument :

MSVOA_X

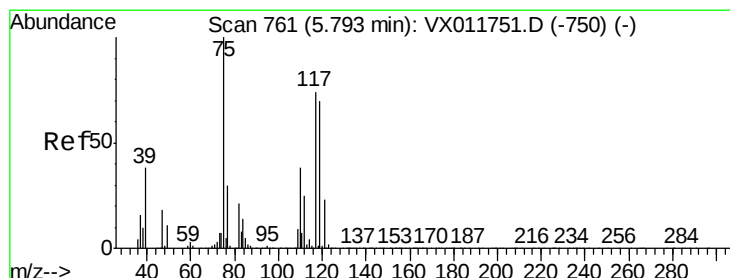
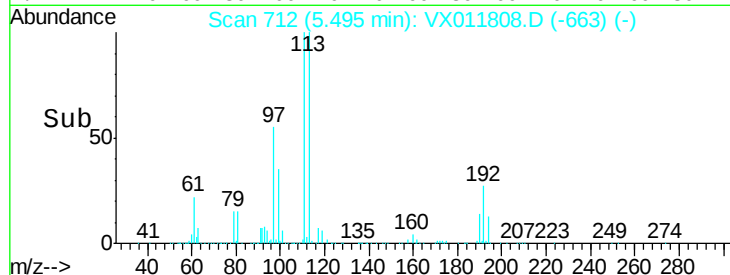
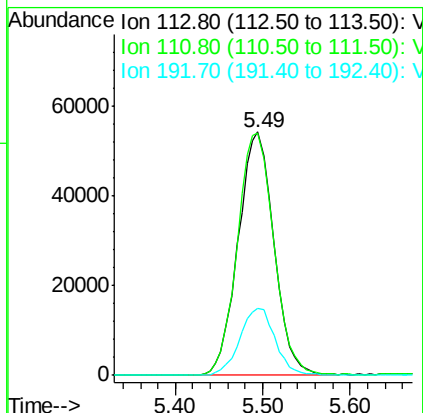
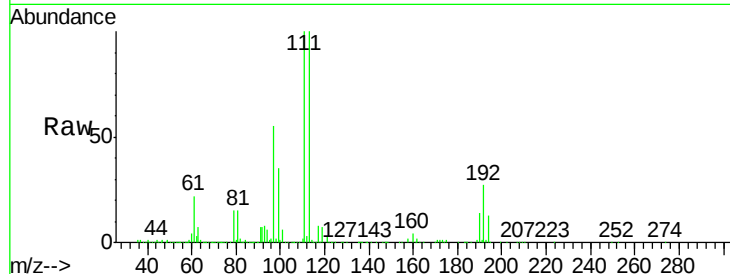
ClientSampleId :

VX0823MBS01

Tot Ion:	113	Resp:	154305
Ion Ratio	Lower	Upper	
113	100		
111	101.6	81.0	121.4
192	27.3	19.9	29.9

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:19 AM



#36

1,1-Dichloropropene

Concen: 15.183 ug/l

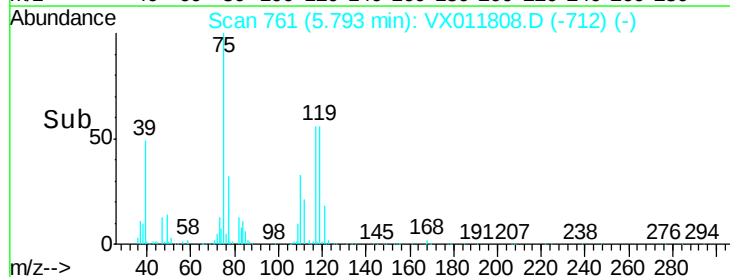
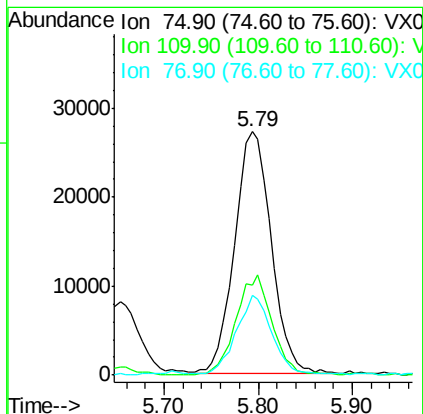
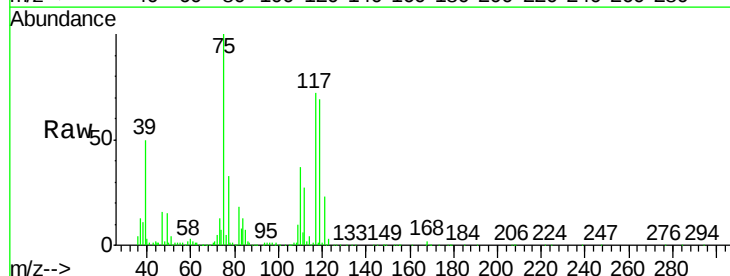
RT: 5.79 min Scan# 761

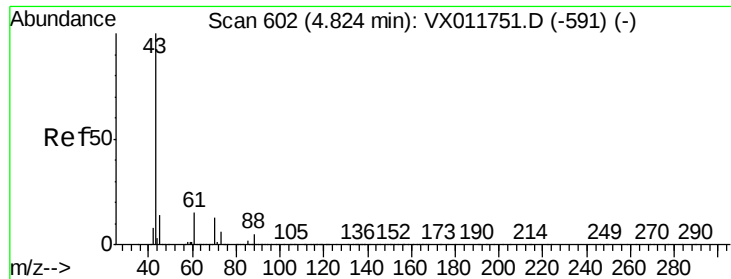
Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Tgt Ion:	75	Resp:	74151
Ion Ratio	Lower	Upper	
75	100		
110	40.4	19.0	57.0
77	30.4	24.6	36.8





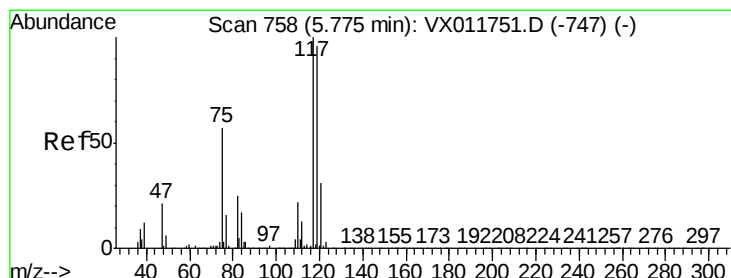
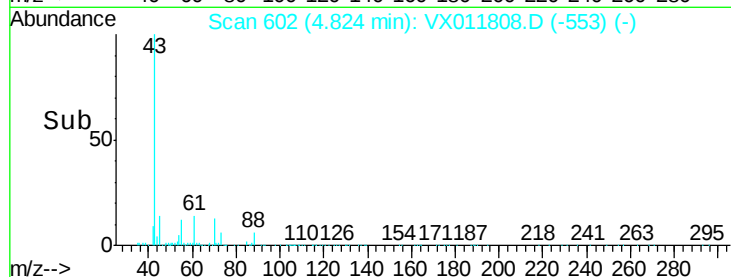
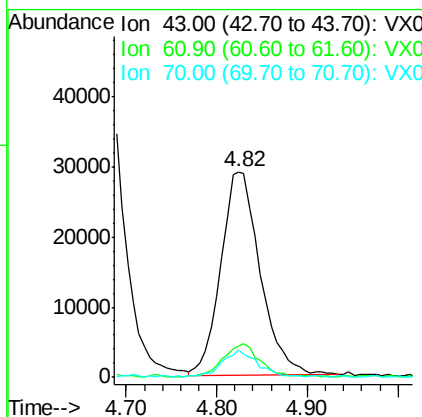
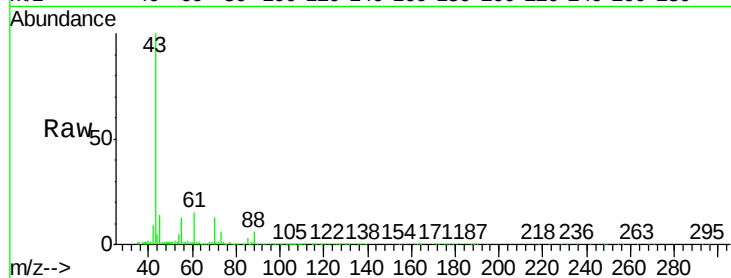
#37
Ethyl Acetate
Concen: 16.873 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.00 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Instrument :
MSVOA_X
ClientSampleId :
VX0823MBS01

Tot Ion:	43	Resp:	87208
Ion	Ratio	Lower	Upper
43	100		
61	15.8	11.5	17.3
70	12.3	9.5	14.3

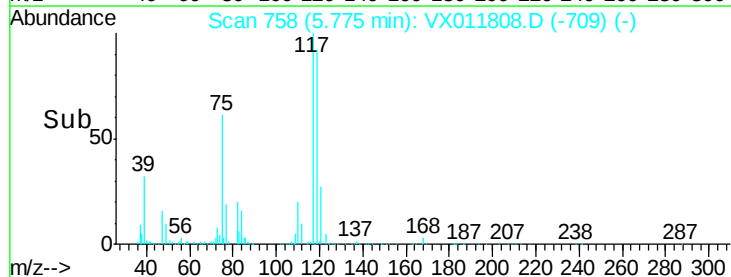
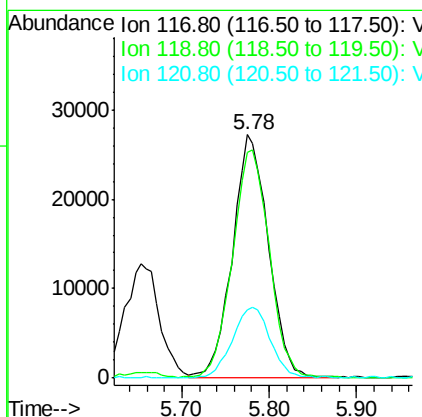
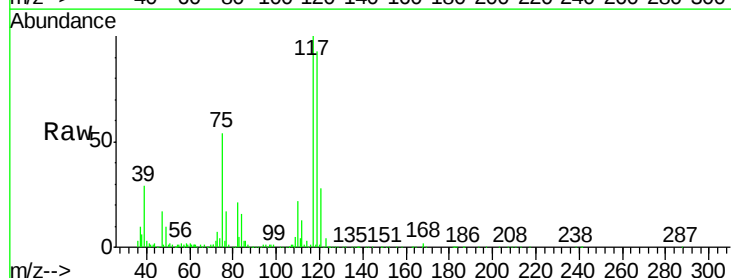
Manual Integrations
APPROVED

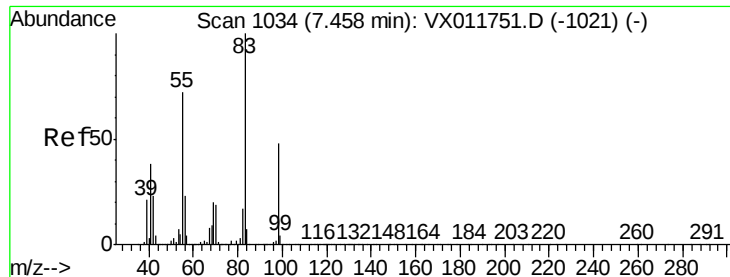
MMDadoda
8/26/2019 11:40:19 AM



#38
Carbon Tetrachloride
Concen: 13.938 ug/l
RT: 5.78 min Scan# 758
Delta R.T. -0.00 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Tgt Ion:	117	Resp:	77147
Ion	Ratio	Lower	Upper
117	100		
119	92.8	76.6	114.8
121	28.0	25.2	37.8





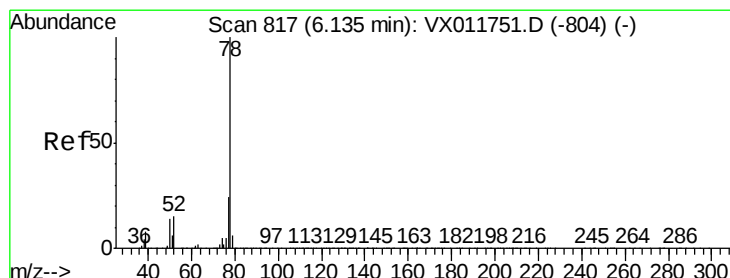
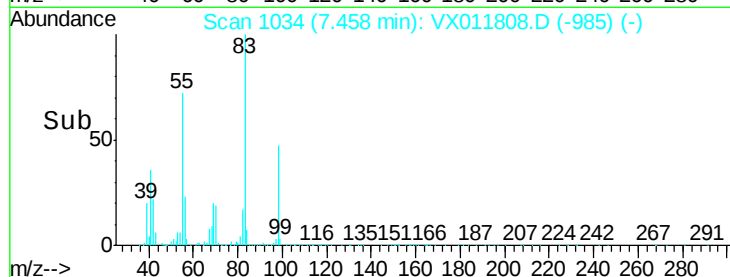
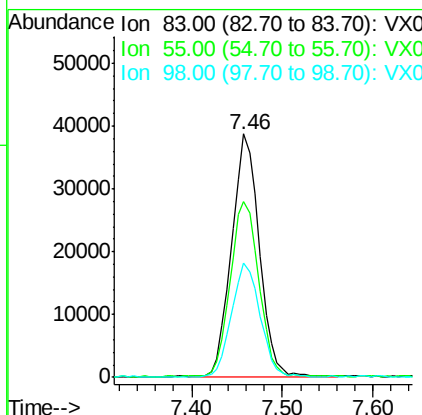
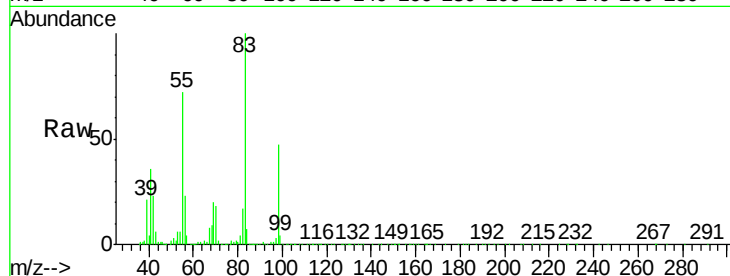
#39
Methvlcvclohexane
Concen: 13.508 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Instrument :
MSVOA_X
ClientSampleId :
VX0823MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.1	57.8	86.6
98	47.0	38.6	58.0

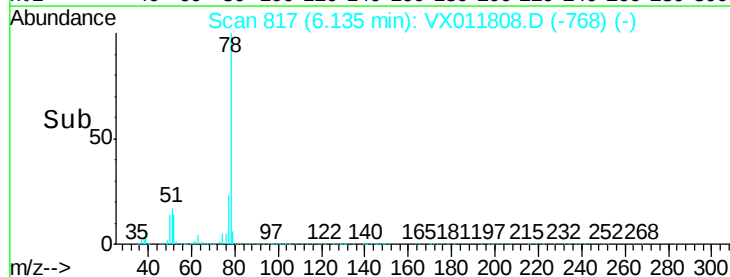
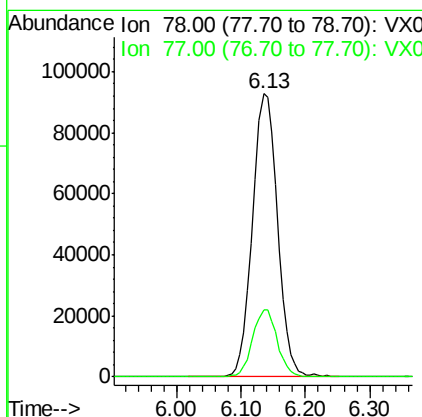
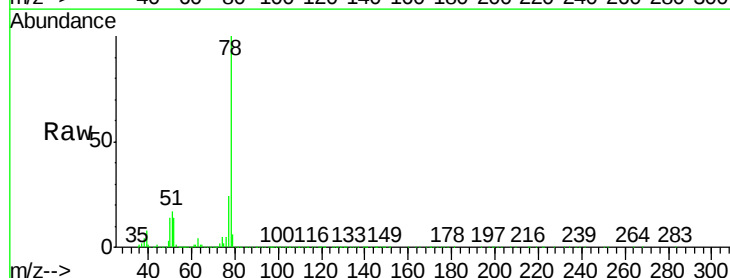
Manual Integrations
APPROVED

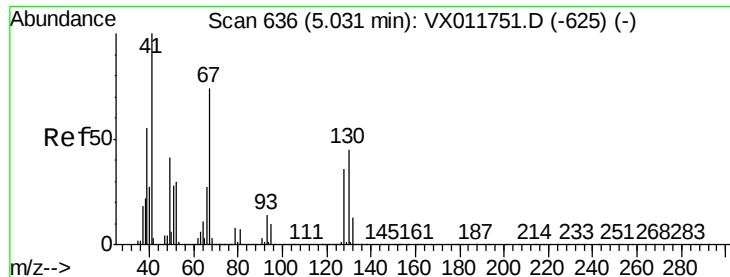
MMDadoda
8/26/2019 11:40:19 AM



#40
Benzene
Concen: 16.326 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.00 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7





#41

Methacrylonitrile

Concen: 15.948 ug/l

RT: 5.04 min Scan# 637

Delta R.T. 0.01 min

Lab File: VX011808.D

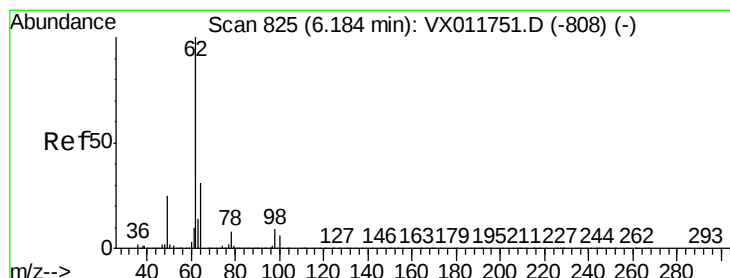
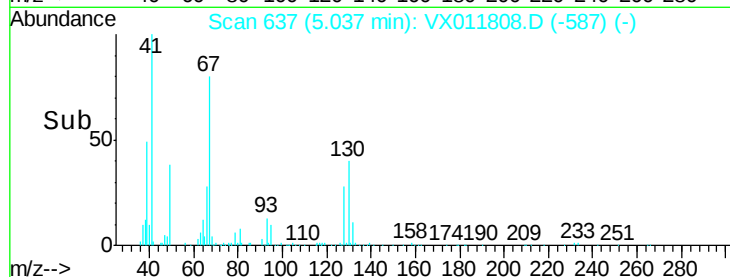
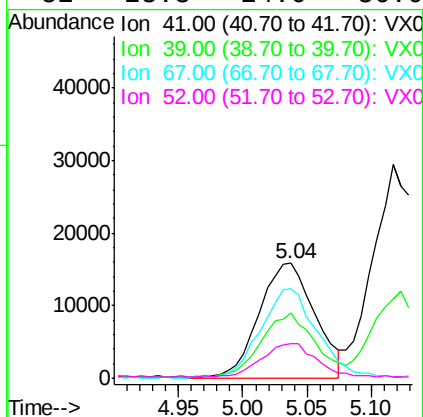
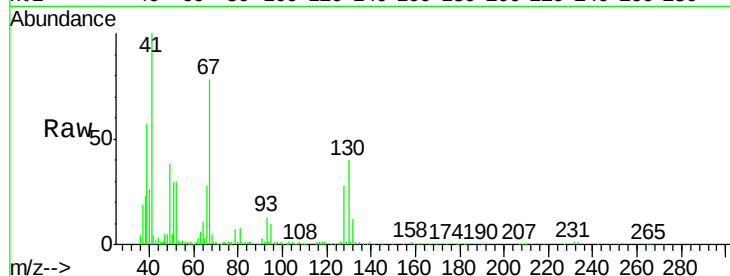
Acq: 23 Aug 2019 19:11

Tot Ion:	41	Resp:	47936
Ion	Ratio	Lower	Upper
41	100		
39	54.2	44.3	66.5
67	79.9	60.3	90.5
52	28.3	24.0	36.0

Instrument :
MSVOA_X
ClientSampleId :
VX0823MBSD01

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:19 AM



#42

1,2-Dichloroethane

Concen: 16.168 ug/l

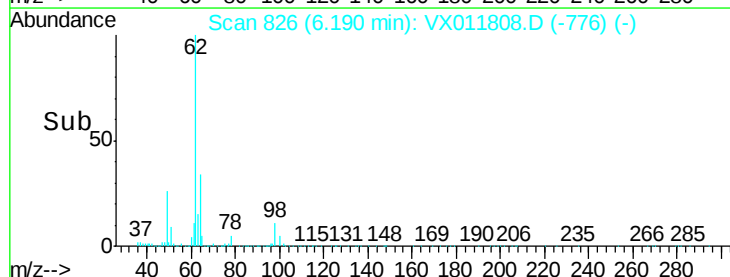
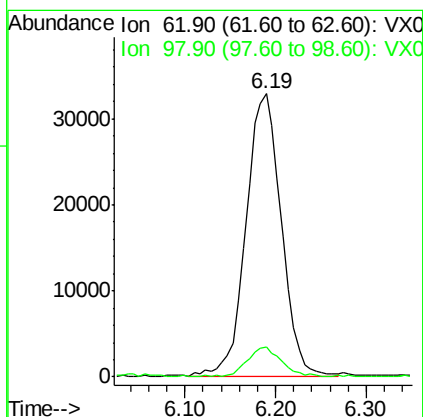
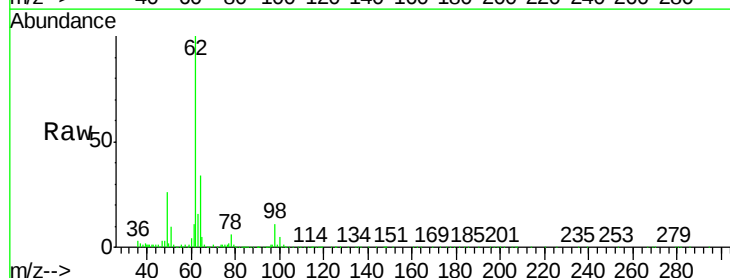
RT: 6.19 min Scan# 826

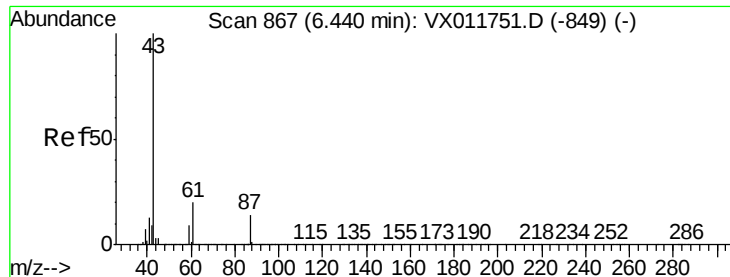
Delta R.T. 0.01 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Tgt Ion:	62	Resp:	89294
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	18.8





#43

Isopropyl Acetate

Concen: 16.450 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Instrument :

MSVOA_X

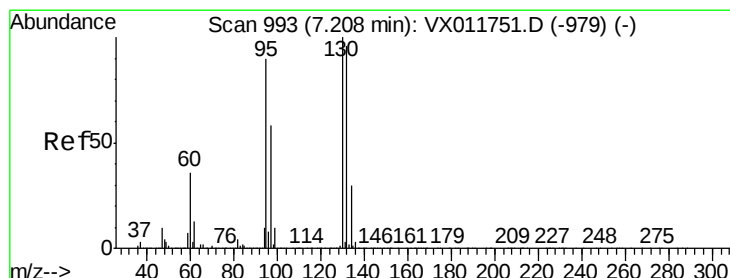
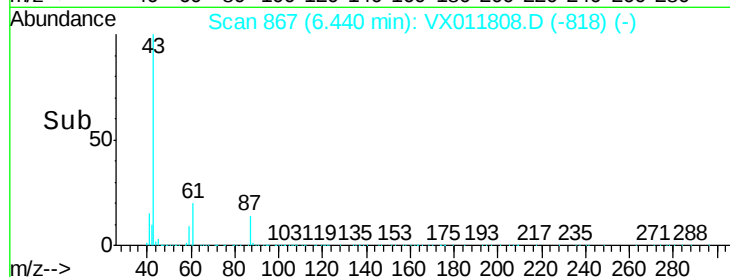
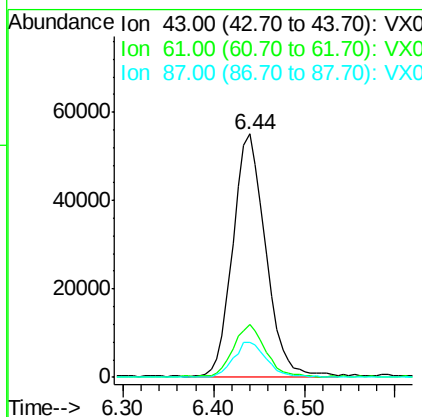
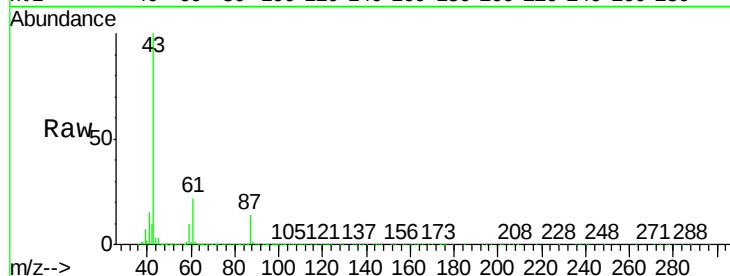
ClientSampleId :

VX0823MBSD01

Tot Ion:	43	Resp:	137612
Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.2	24.2
87	14.3	11.6	17.4

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:19 AM



#44

Trichloroethene

Concen: 15.370 ug/l

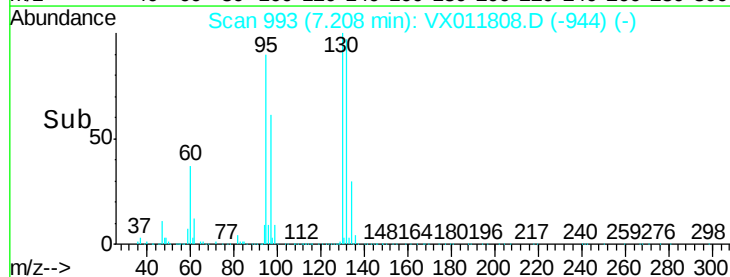
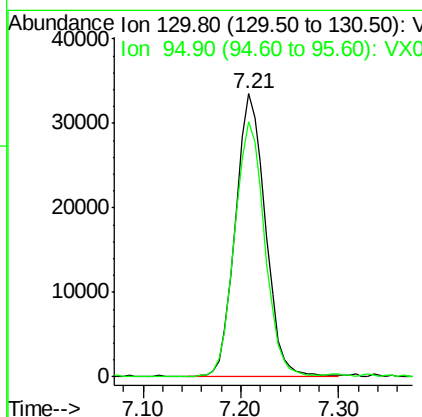
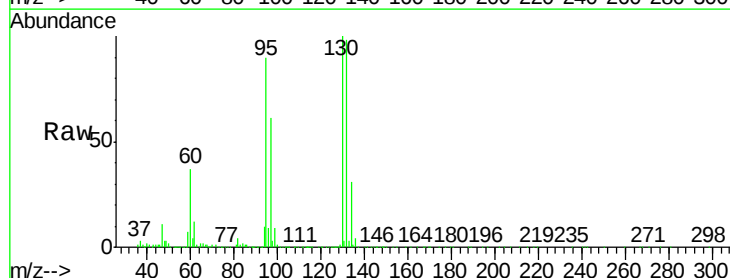
RT: 7.21 min Scan# 993

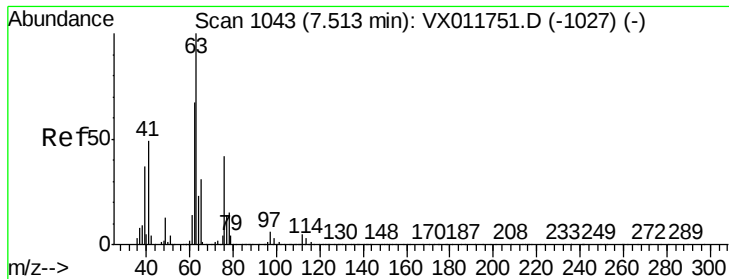
Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Tgt Ion:	130	Resp:	71581
Ion	Ratio	Lower	Upper
130	100		
95	89.6	0.0	179.0





#45

1,2-Dichloropropane

Concen: 15.885 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Instrument :

MSVOA_X

ClientSampleId :

VX0823MBS01

Tot Ion: 63 Resp: 60322

Ion Ratio Lower Upper

63 100

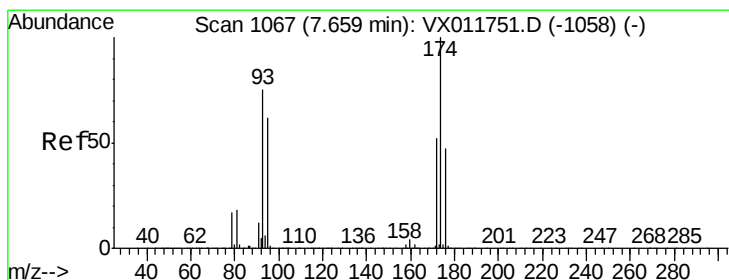
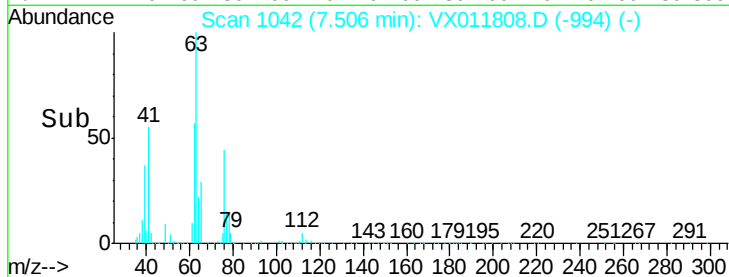
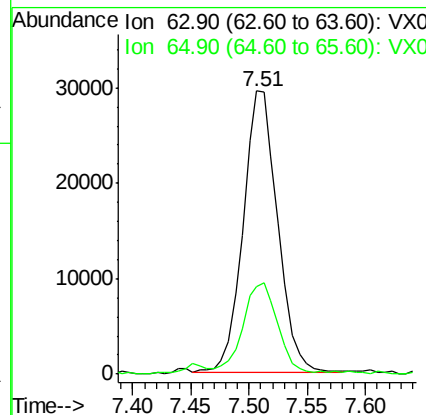
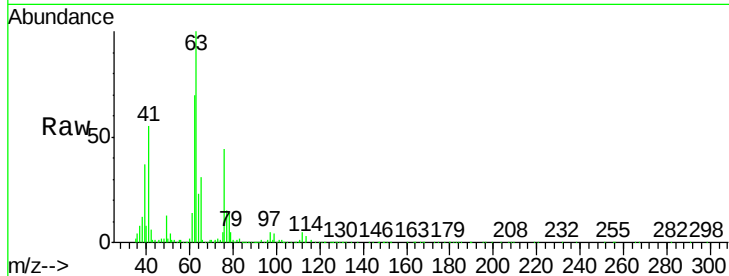
65 30.5 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

8/26/2019 11:40:19 AM



#46

Dibromomethane

Concen: 16.254 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

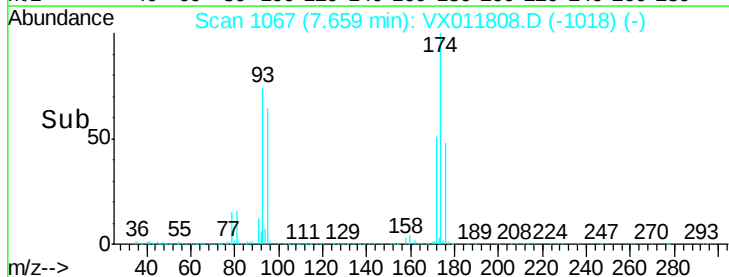
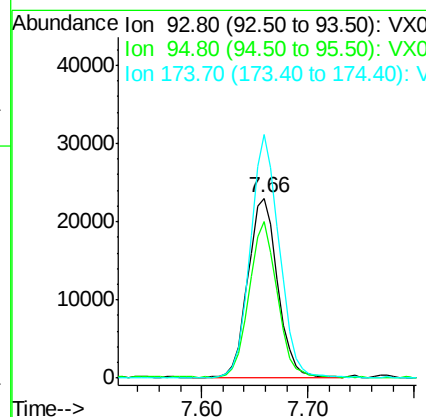
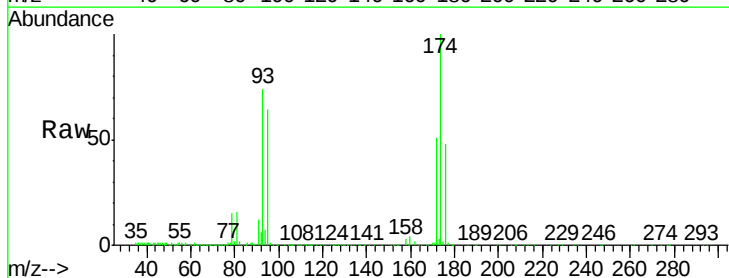
Tgt Ion: 93 Resp: 45508

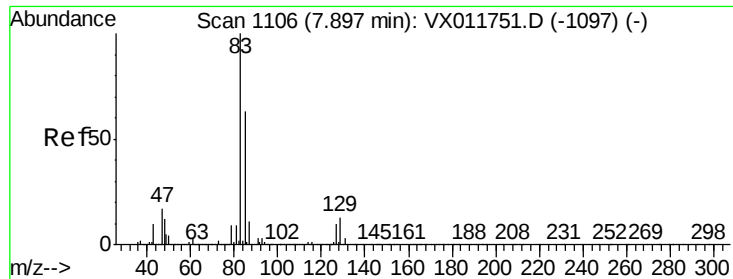
Ion Ratio Lower Upper

93 100

95 83.4 66.2 99.2

174 130.9 104.2 156.4





#47

Bromodichloromethane

Concen: 15.774 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Instrument :

MSVOA_X

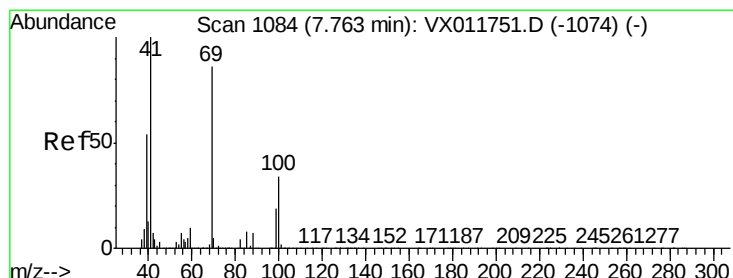
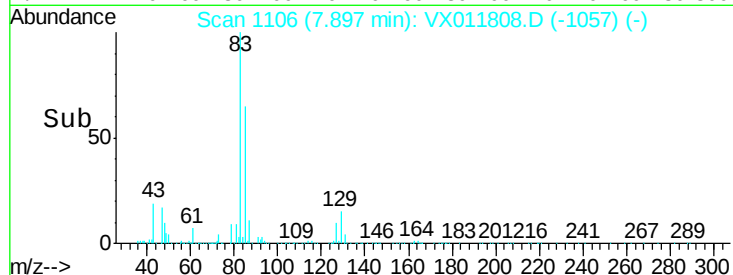
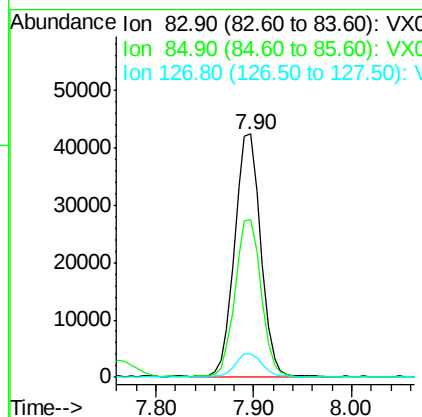
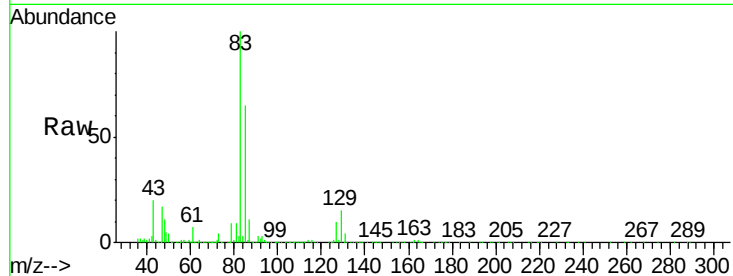
ClientSampleId :

VX0823MBS01

Tot Ion:	83	Resp:	79499
Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.6	76.0
127	9.7	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:19 AM



#48

Methyl methacrylate

Concen: 16.733 ug/l

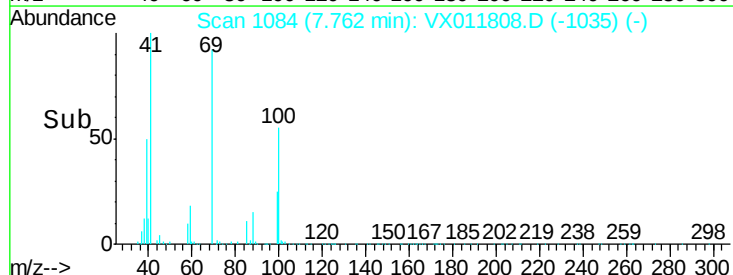
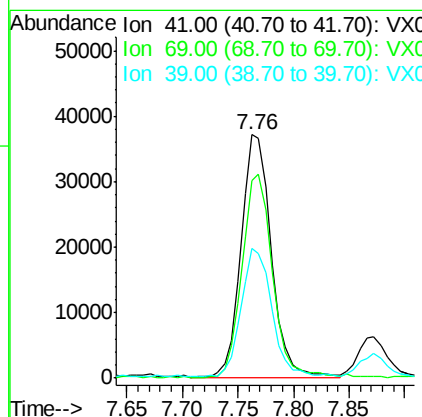
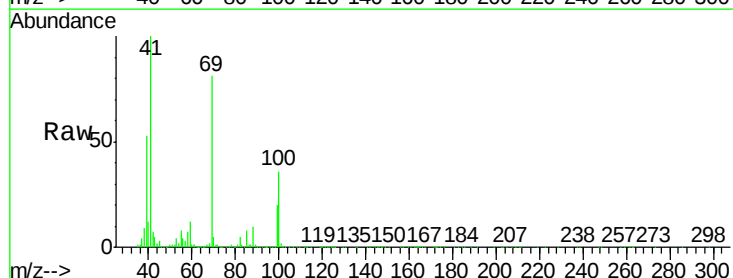
RT: 7.76 min Scan# 1084

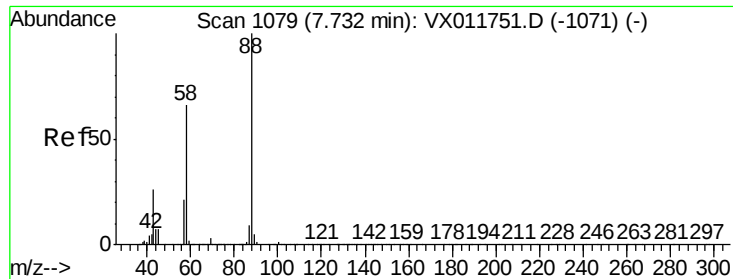
Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Tgt Ion:	41	Resp:	69660
Ion	Ratio	Lower	Upper
41	100		
69	84.4	69.4	104.2
39	54.2	43.6	65.4





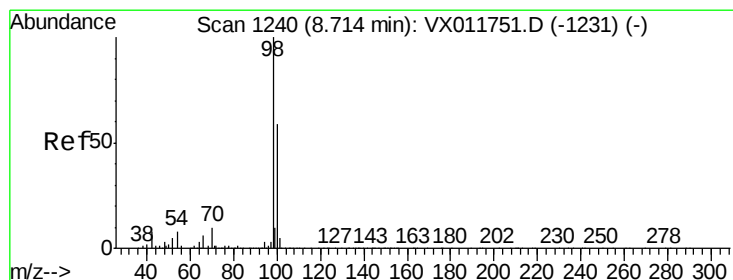
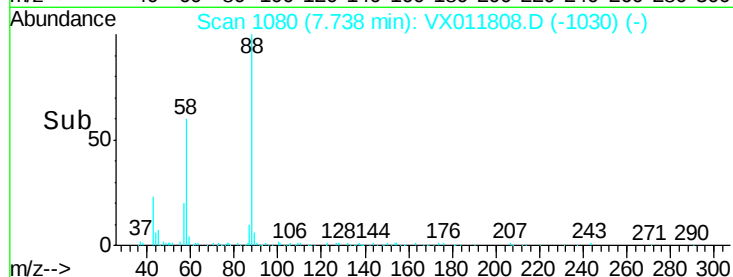
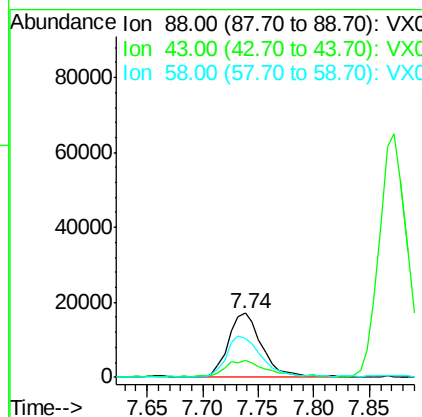
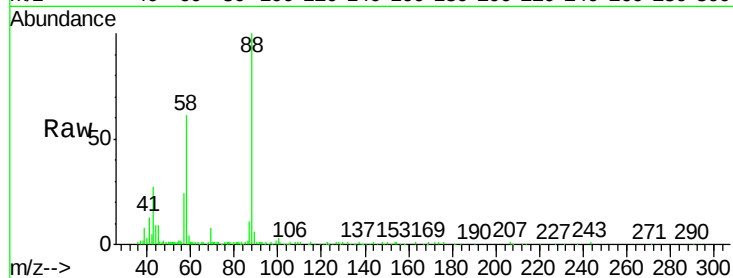
#49
1,4-Dioxane
Concen: 307.786 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Instrument :
MSVOA_X
ClientSampleId :
VX0823MBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	24.6	37.0
58	65.9	51.4	77.2

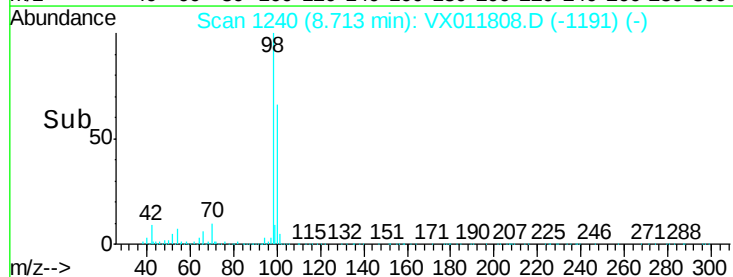
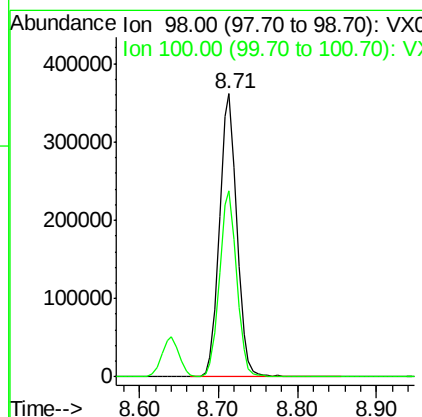
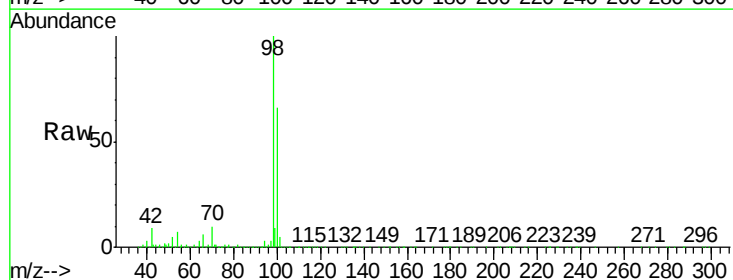
Manual Integrations
APPROVED

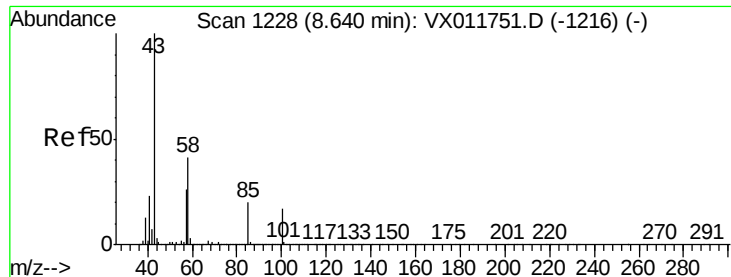
MMDadoda
8/26/2019 11:40:19 AM



#50
Toluene-d8
Concen: 39.574 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.1	78.1





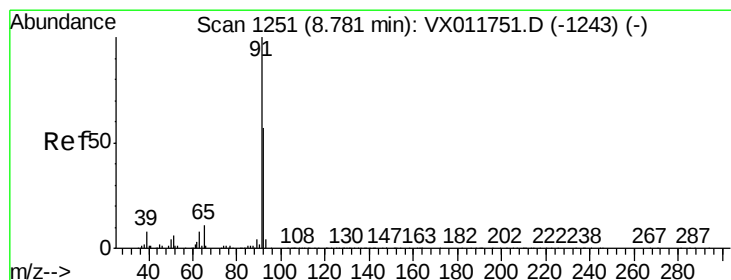
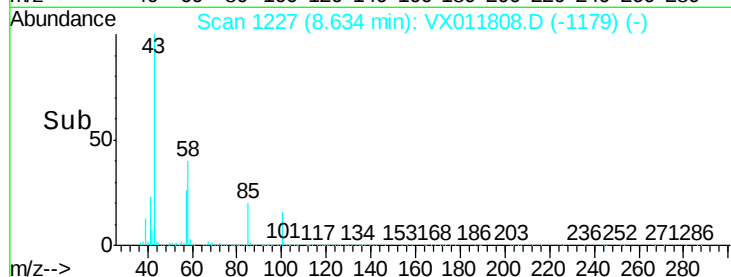
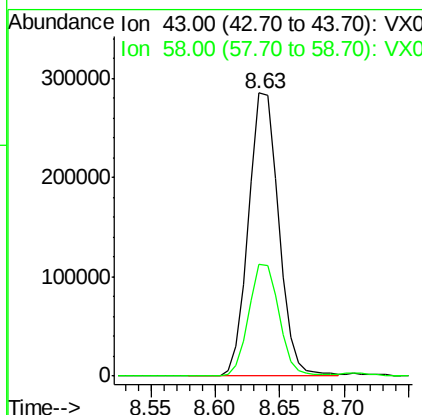
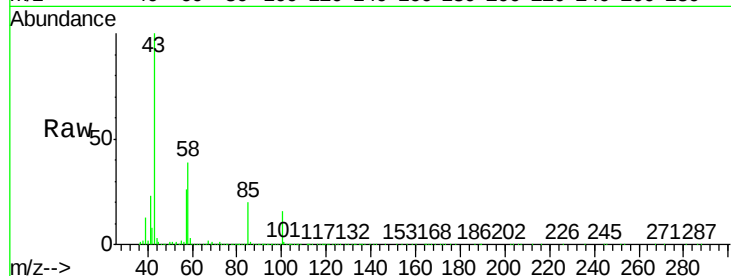
#51
4-Methyl-2-Pentanone
Concen: 83.615 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Instrument :
MSVOA_X
ClientSampleId :
VX0823MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.8	47.6

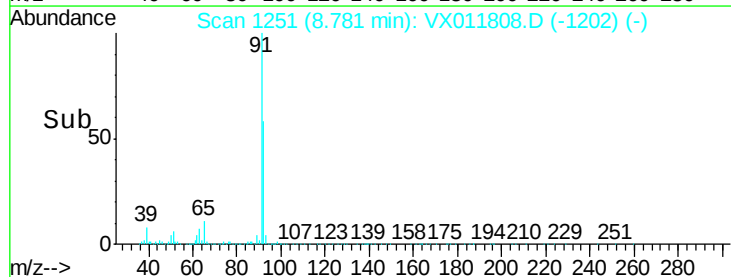
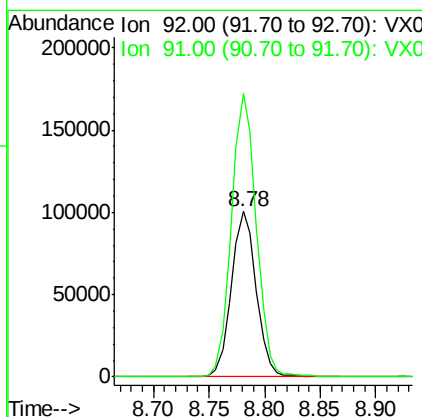
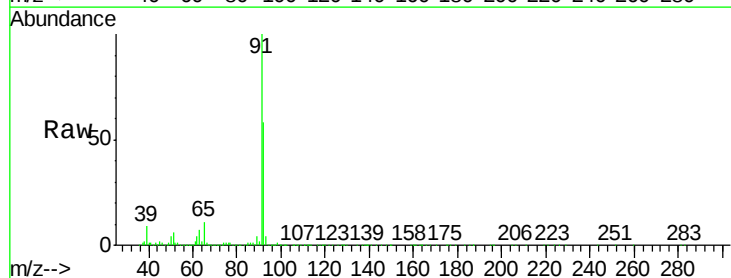
Manual Integrations
APPROVED

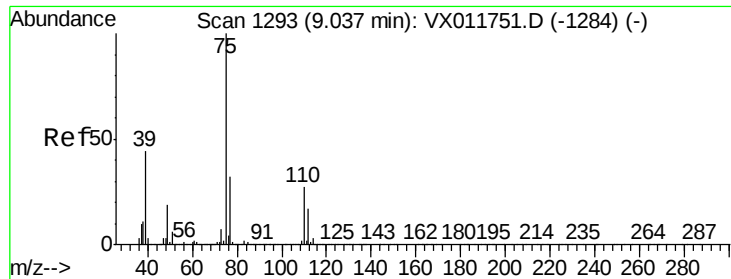
MMDadoda
8/26/2019 11:40:19 AM



#52
Toluene
Concen: 15.812 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.6	138.6	207.8





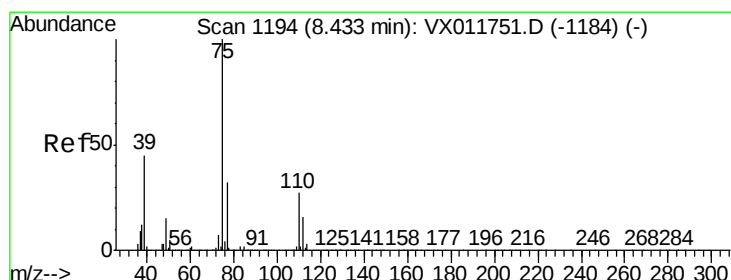
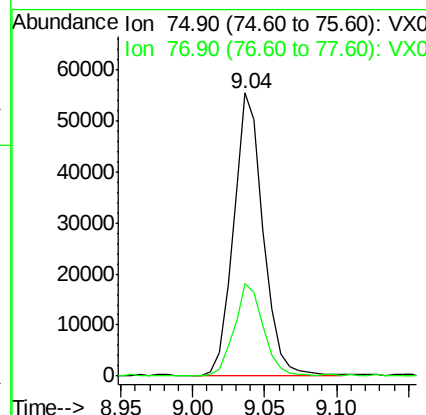
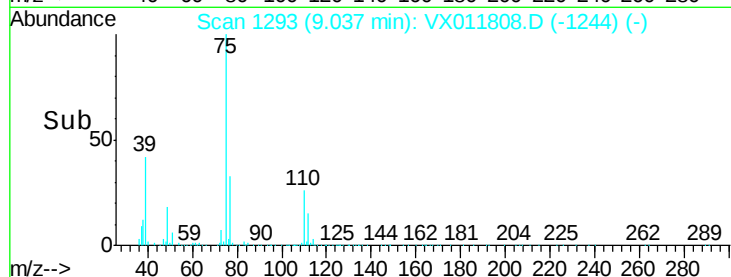
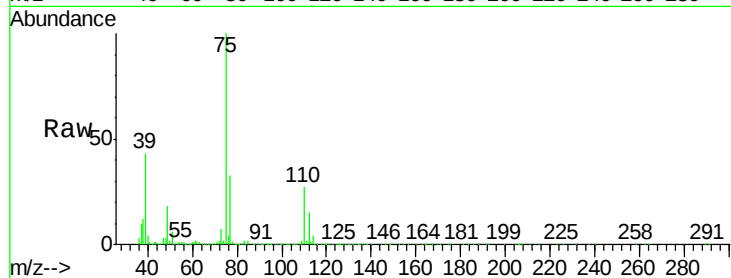
#53
t-1,3-Dichloropropene
Concen: 14.893 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Instrument :
MSVOA_X
ClientSampleId :
VX0823MBS01

Tot Ion: 75 Resp: 78797
Ion Ratio Lower Upper
75 100
77 32.3 25.4 38.0

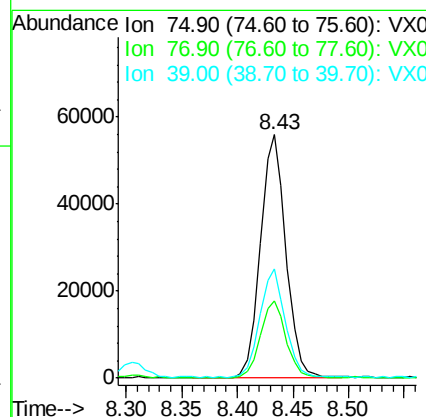
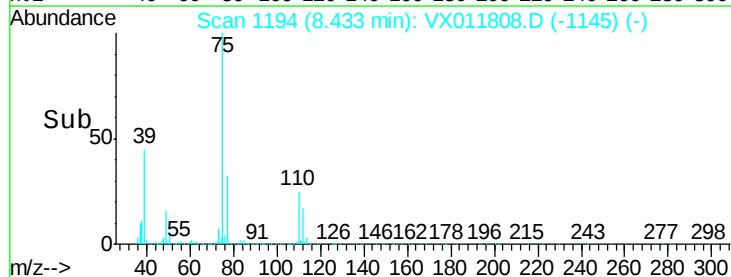
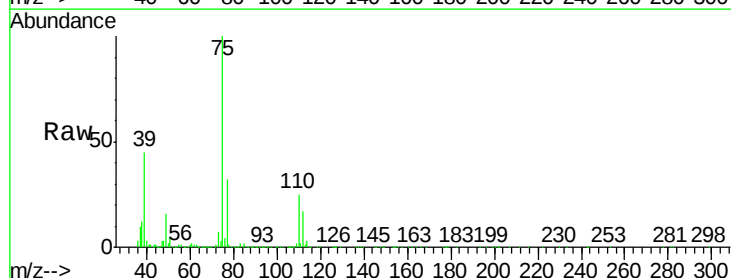
Manual Integrations
APPROVED

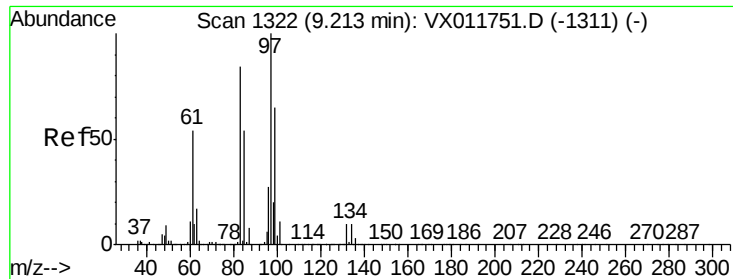
MMDadoda
8/26/2019 11:40:19 AM



#54
cis-1,3-Dichloropropene
Concen: 15.410 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Tgt Ion: 75 Resp: 88942
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2
39 44.6 36.2 54.4





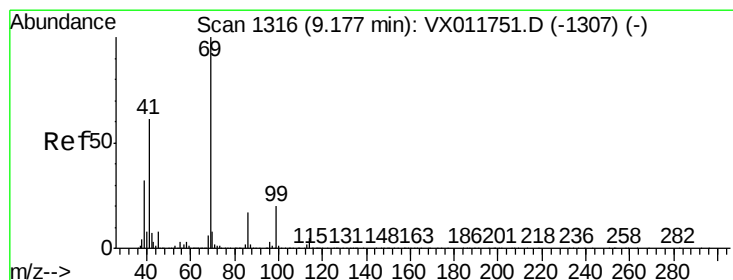
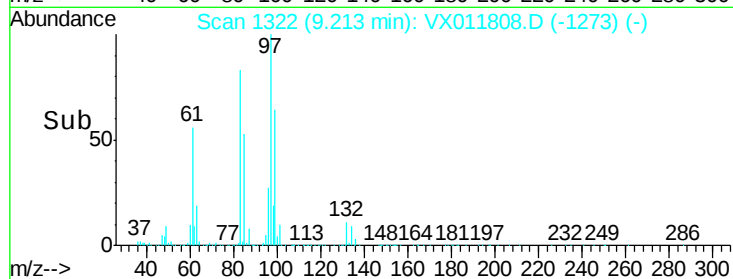
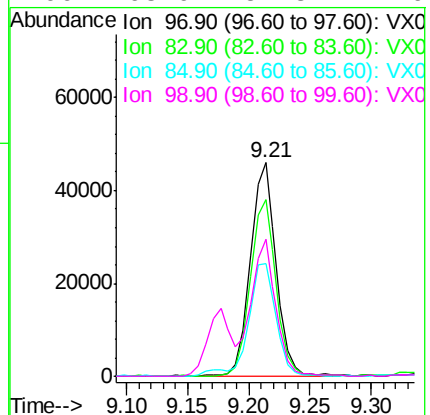
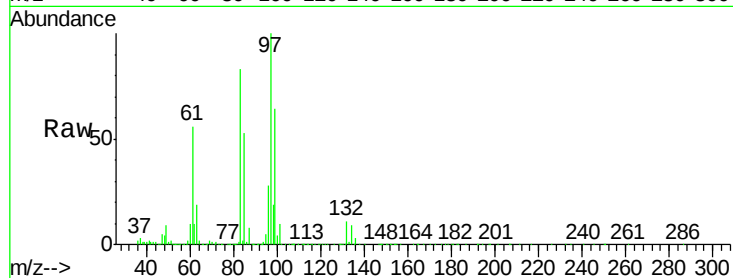
#55
 1,1,2-Trichloroethane
 Concen: 16.418 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX011808.D
 Acq: 23 Aug 2019 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823MBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.6	67.3	100.9
85	53.1	43.4	65.2
99	63.9	51.8	77.6

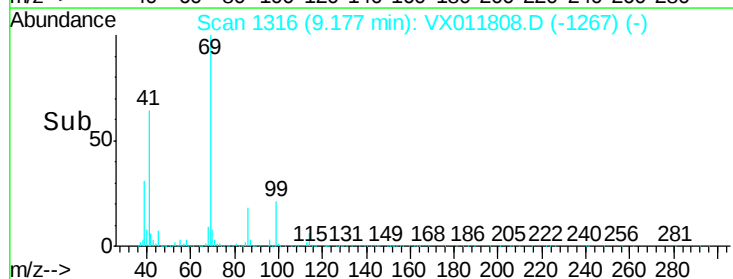
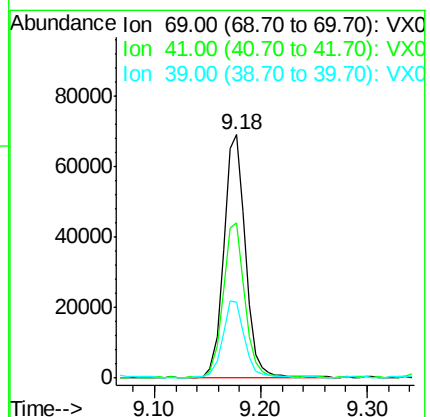
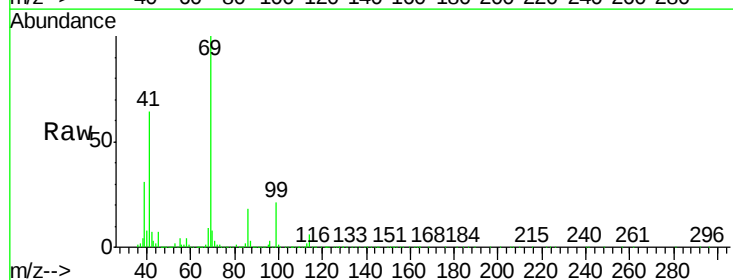
Manual Integrations
 APPROVED

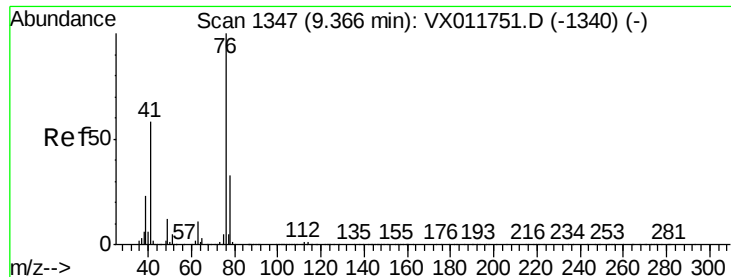
MMDadoda
 8/26/2019 11:40:19 AM



#56
 Ethyl methacrylate
 Concen: 16.997 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX011808.D
 Acq: 23 Aug 2019 19:11

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.0	50.7	76.1
39	31.3	26.4	39.6





#57

1,3-Dichloropropane

Concen: 16.193 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Instrument :

MSVOA_X

ClientSampleId :

VX0823MBSD01

Tot Ion: 76 Resp: 106505

Ion Ratio Lower Upper

76 100

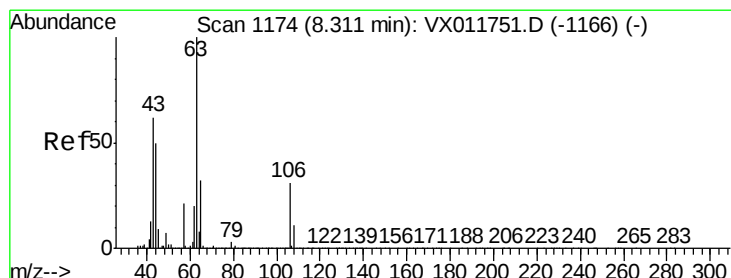
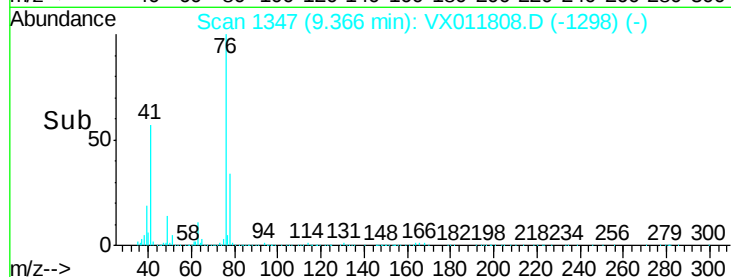
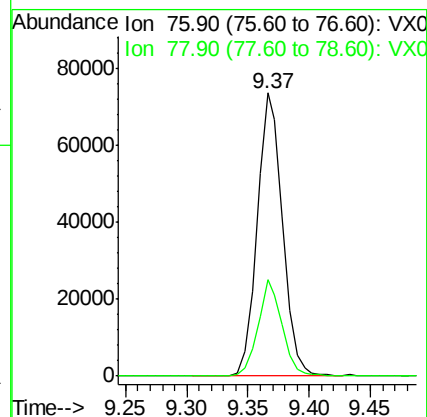
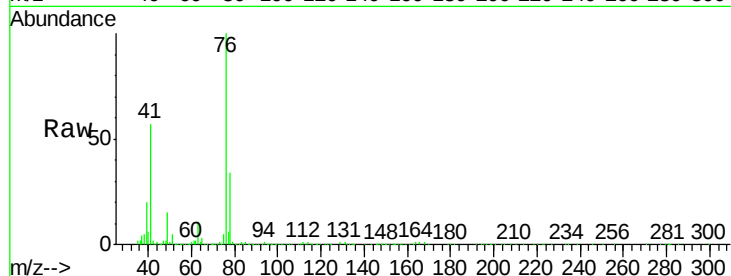
78 32.7 26.6 39.8

Manual Integrations

APPROVED

MMDadoda

8/26/2019 11:40:19 AM



#58

2-Chloroethyl Vinyl ether

Concen: 91.300 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX011808.D

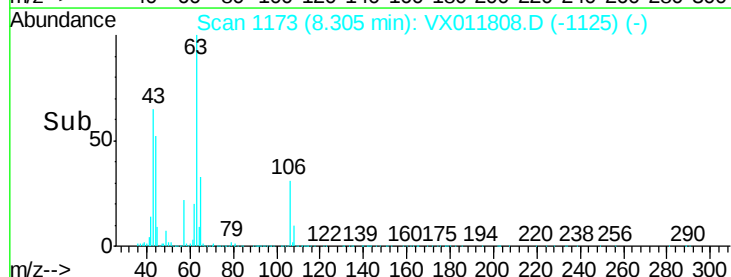
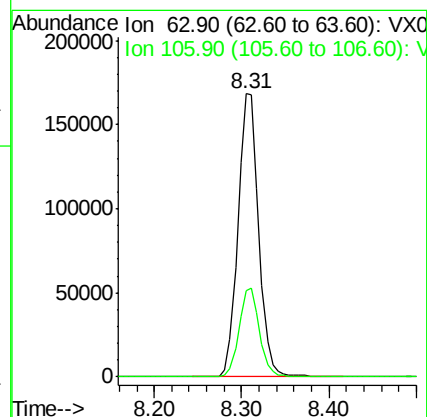
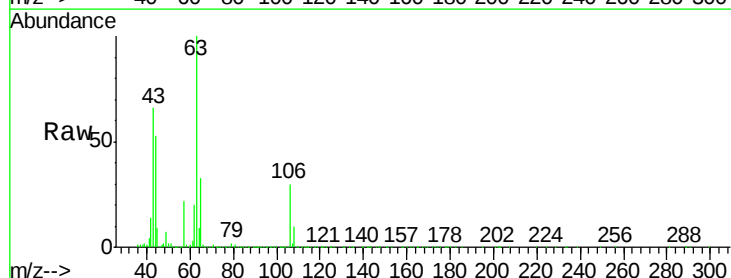
Acq: 23 Aug 2019 19:11

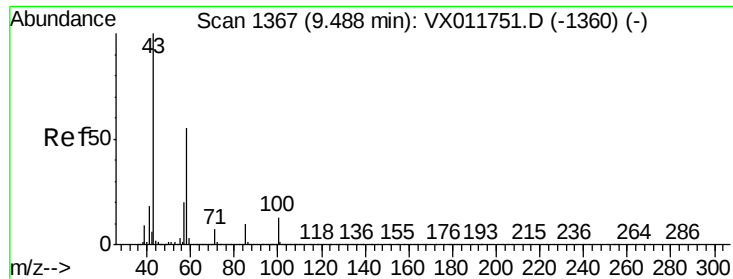
Tgt Ion: 63 Resp: 278218

Ion Ratio Lower Upper

63 100

106 31.0 24.9 37.3





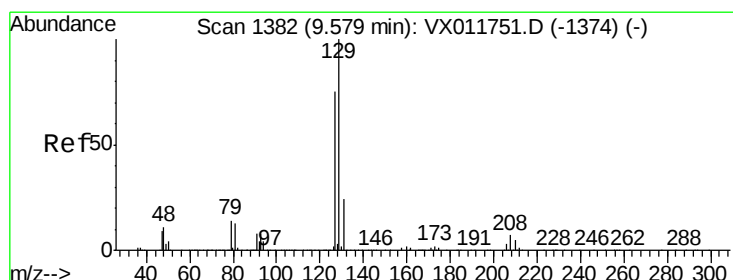
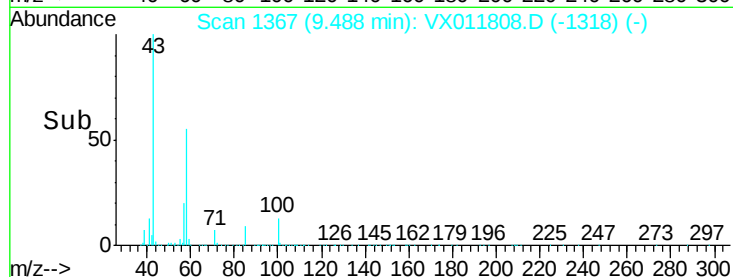
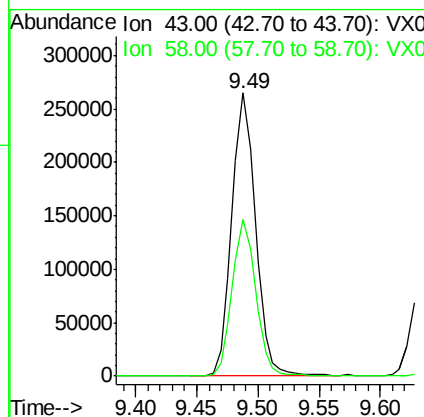
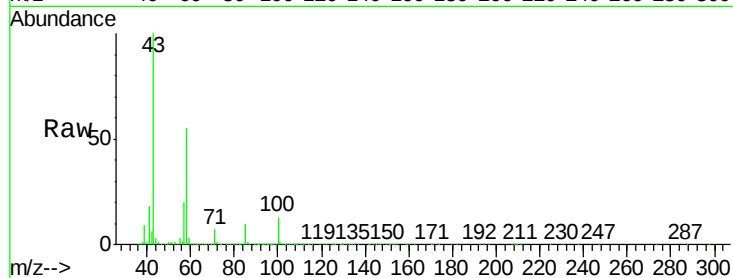
#59
2-Hexanone
Concen: 84.129 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Instrument :
MSVOA_X
ClientSampleId :
VX0823MBSD01

Tot Ion: 43 Resp: 355920
Ion Ratio Lower Upper
43 100
58 55.3 27.7 83.1

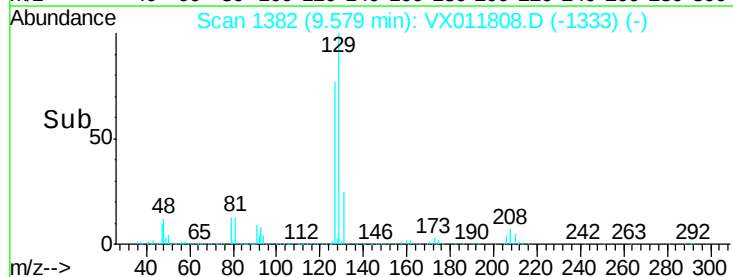
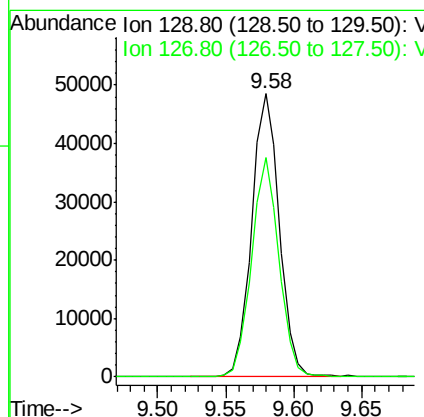
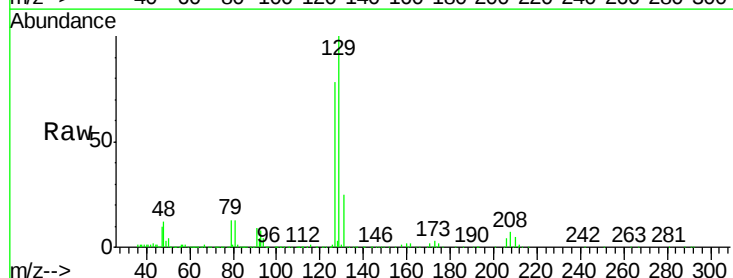
Manual Integrations
APPROVED

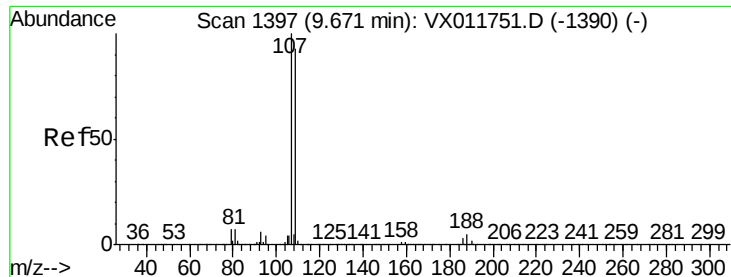
MMDadoda
8/26/2019 11:40:19 AM



#60
Dibromochloromethane
Concen: 15.708 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Tgt Ion: 129 Resp: 69180
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.8





#61

1,2-Dibromoethane

Concen: 16.661 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Instrument :

MSVOA_X

ClientSampleId :

VX0823MBSD01

Tot Ion: 107 Resp: 72820

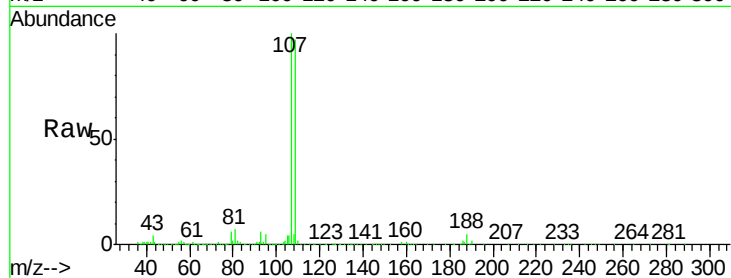
Ion Ratio Lower Upper

107 100

109 95.7 75.8 113.8

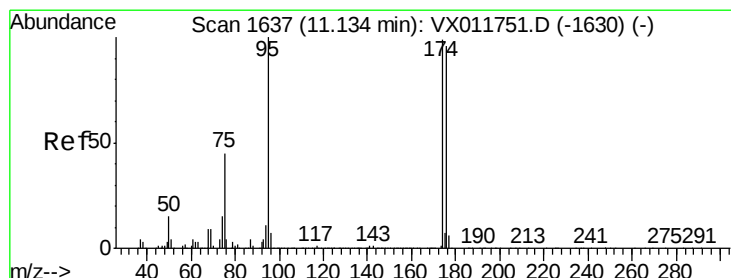
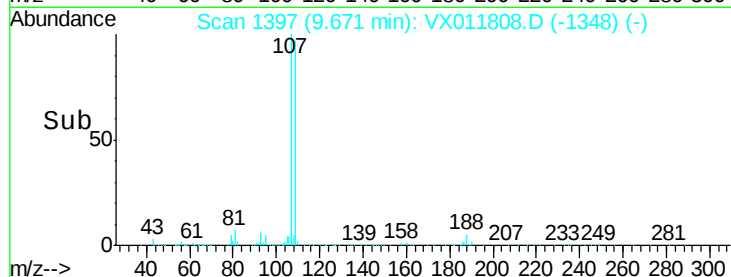
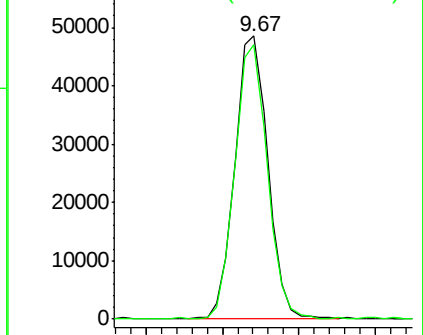
Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:19 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 36.730 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

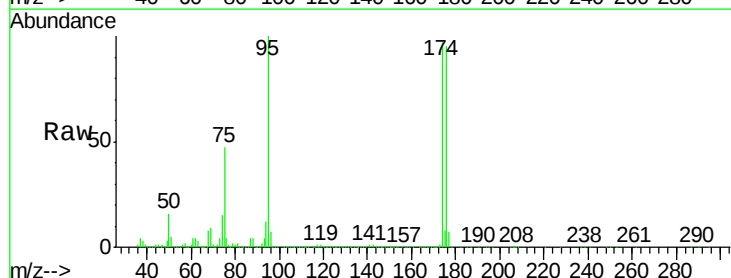
Tgt Ion: 95 Resp: 203937

Ion Ratio Lower Upper

95 100

174 100.5 0.0 197.4

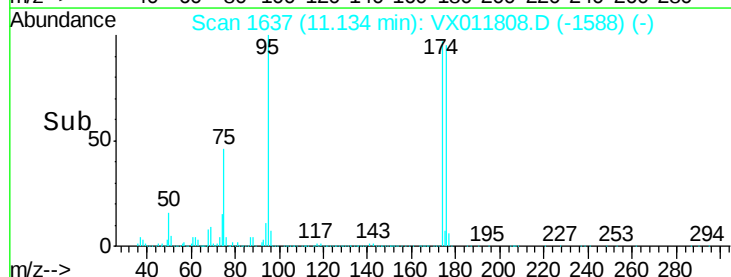
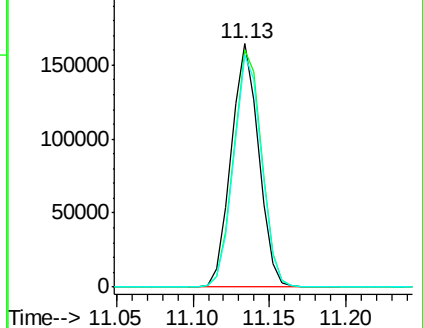
176 97.5 0.0 194.4

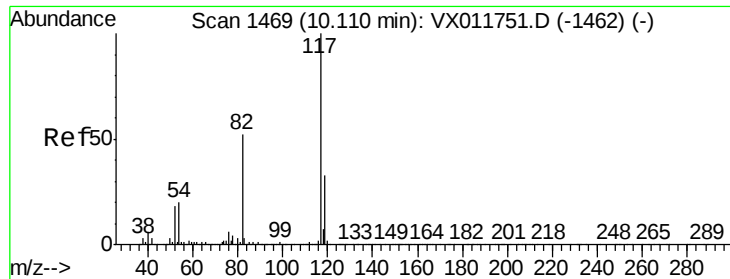


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





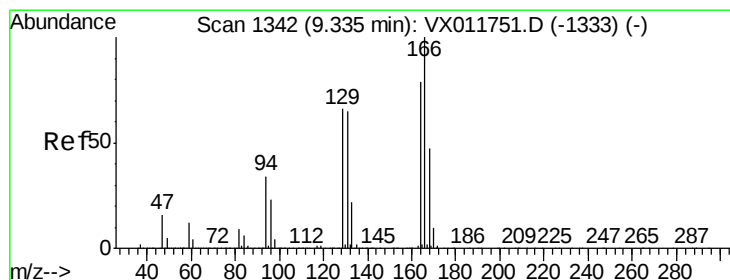
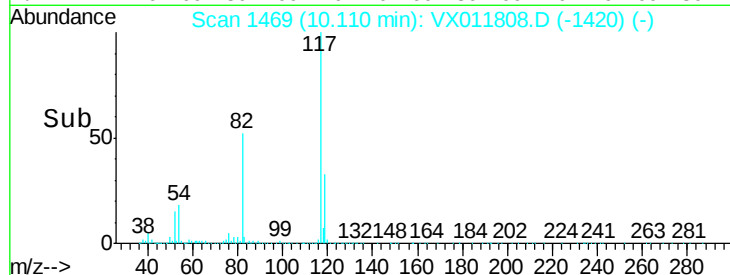
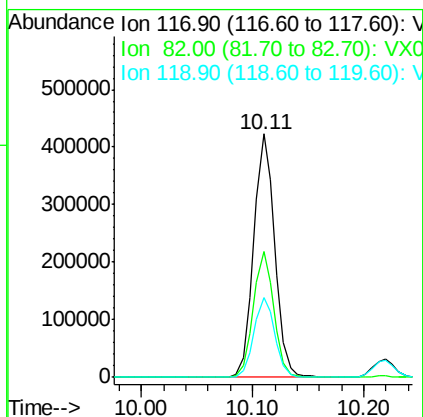
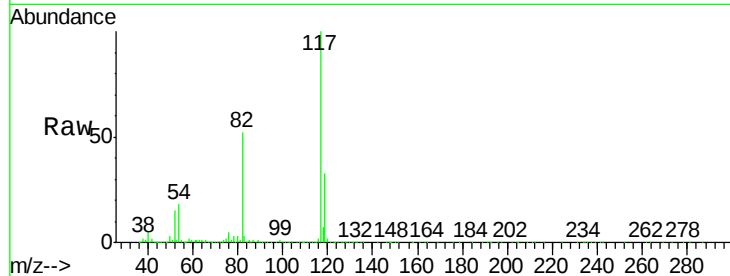
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Instrument :
MSVOA_X
ClientSampleId :
VX0823MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	556281		
82	51.8		41.7	62.5
119	32.5		26.2	39.2

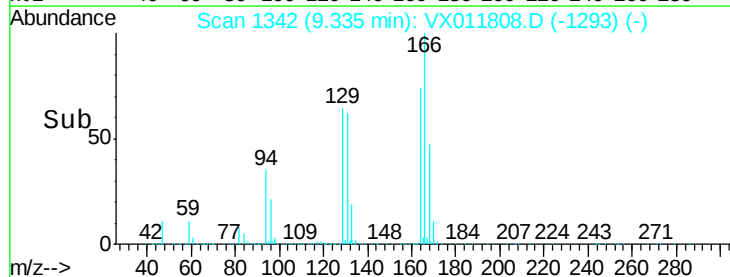
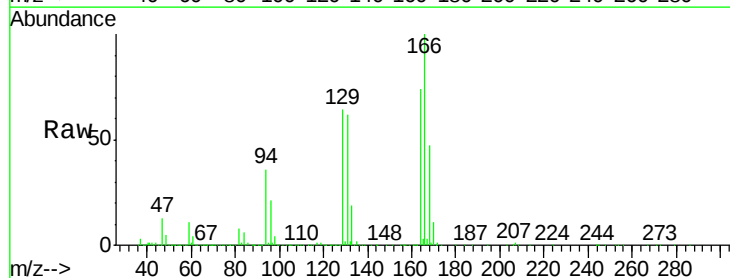
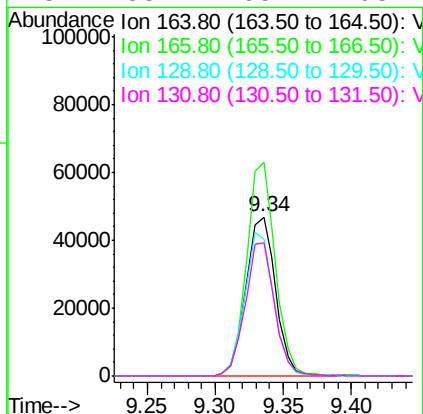
Manual Integrations
APPROVED

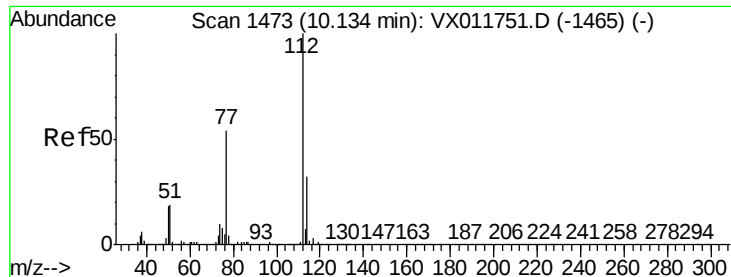
MMDadoda
8/26/2019 11:40:19 AM



#64
Tetrachloroethene
Concen: 16.195 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	71872		
166	134.4		100.7	151.1
129	86.2		66.8	100.2
131	83.7		65.4	98.2





#65

Chlorobenzene

Concen: 16.056 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Instrument :

MSVOA_X

ClientSampleId :

VX0823MBS01

Tot Ion:112 Resp: 174378

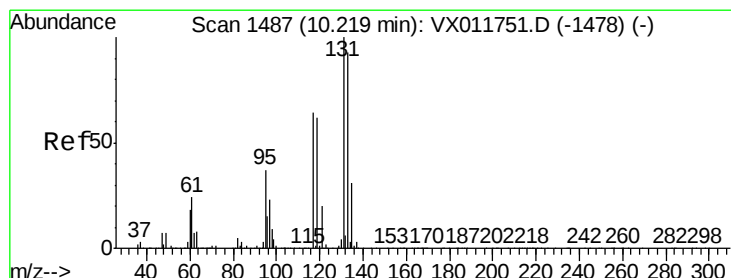
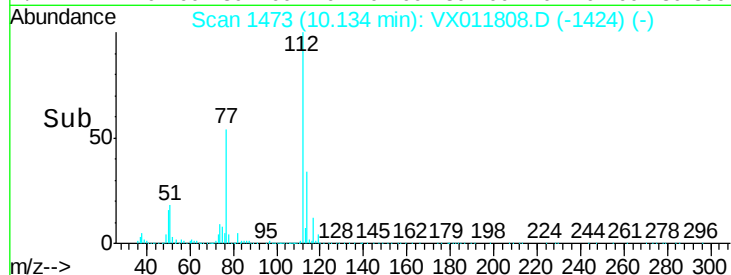
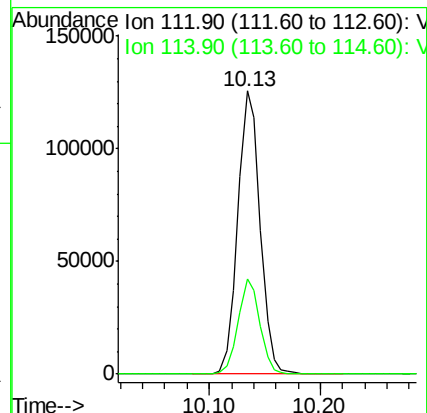
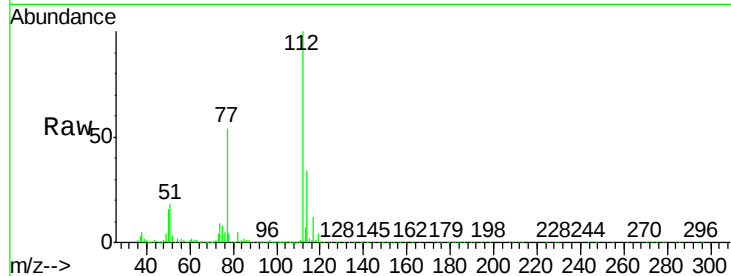
Ion Ratio Lower Upper

112 100

114 33.8 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:19 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 16.314 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

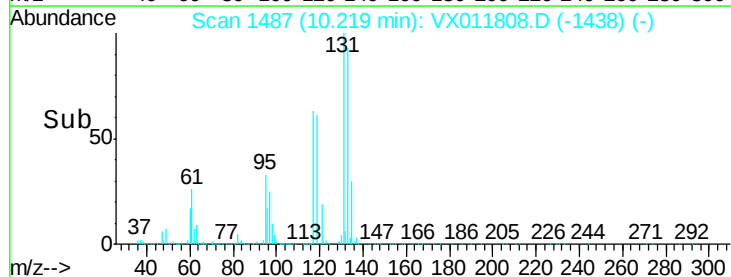
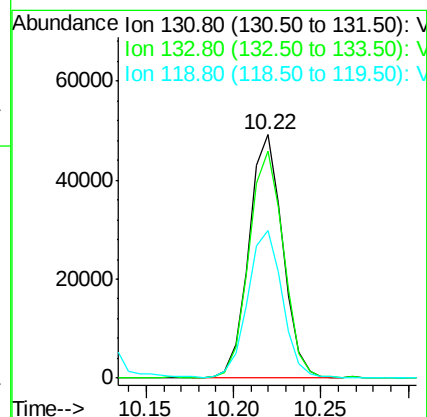
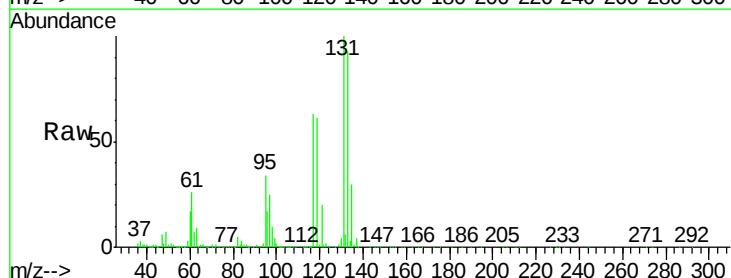
Tgt Ion:131 Resp: 66385

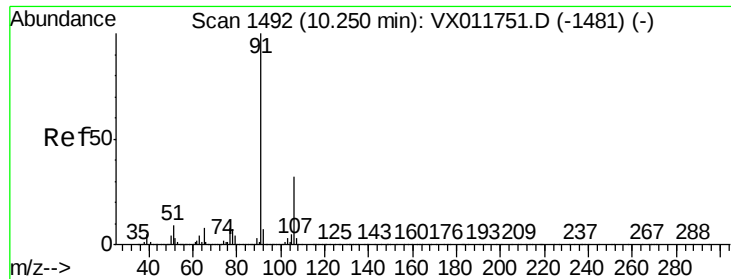
Ion Ratio Lower Upper

131 100

133 95.4 47.8 143.4

119 62.0 31.3 93.8





#67

Ethyl Benzene

Concen: 15.701 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Instrument :

MSVOA_X

ClientSampleId :

VX0823MBSD01

Tot Ion: 91 Resp: 284961

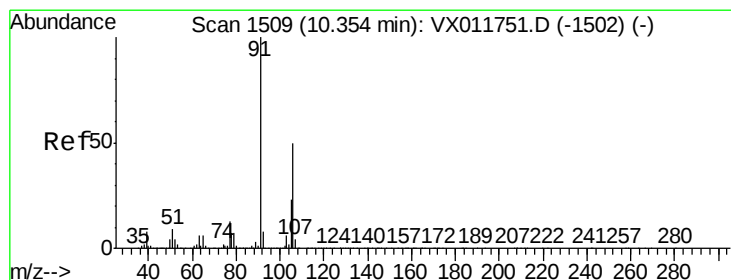
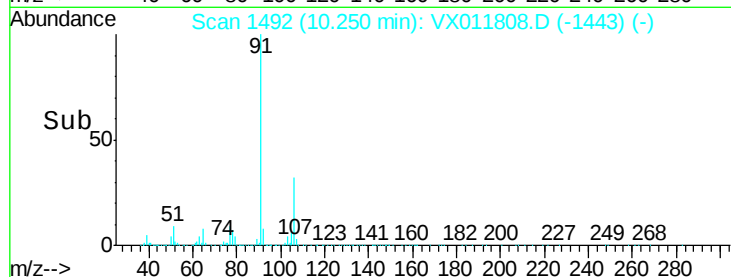
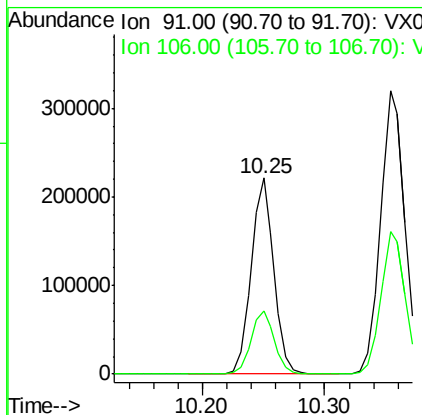
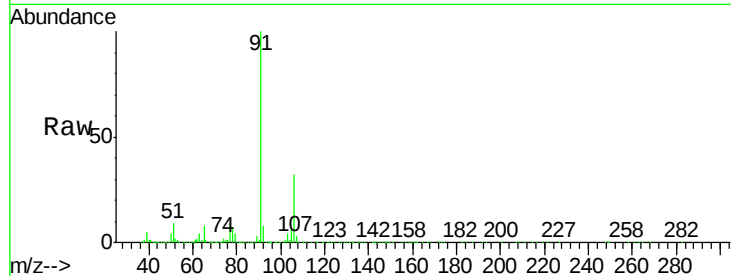
Ion Ratio Lower Upper

91 100

106 32.2 25.5 38.3

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:19 AM



#68

m/p-Xylenes

Concen: 31.797 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VX011808.D

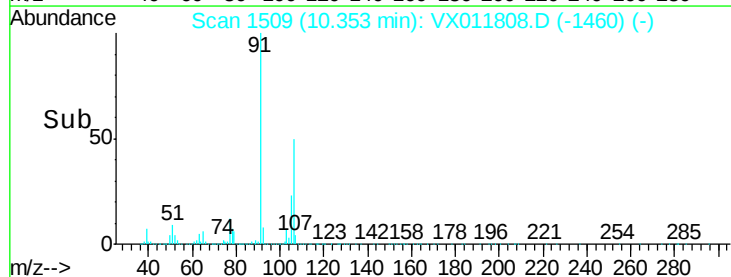
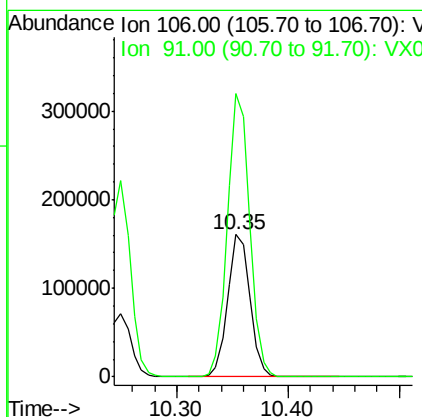
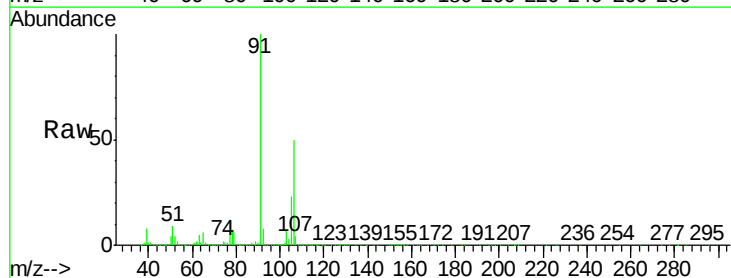
Acq: 23 Aug 2019 19:11

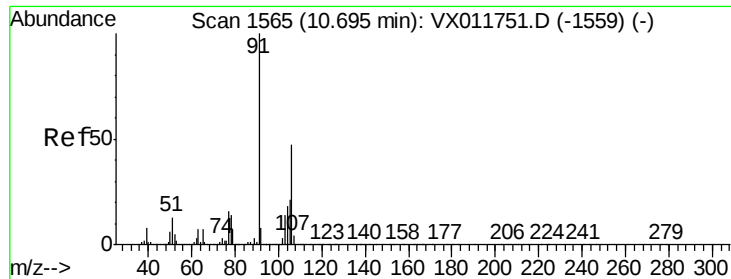
Tgt Ion: 106 Resp: 222515

Ion Ratio Lower Upper

106 100

91 197.8 158.3 237.5





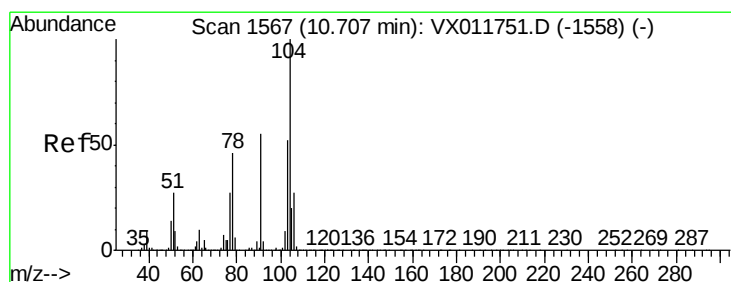
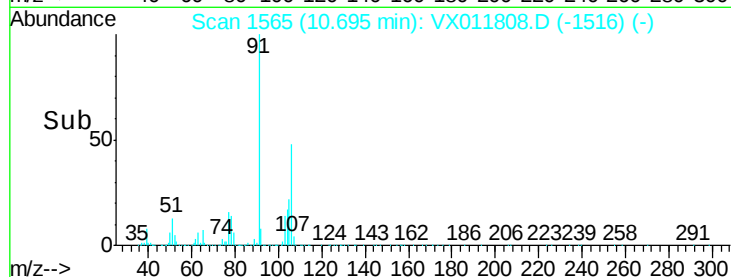
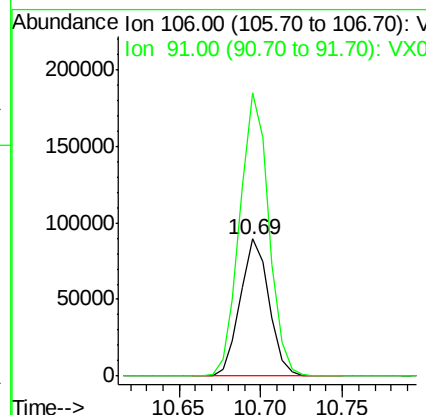
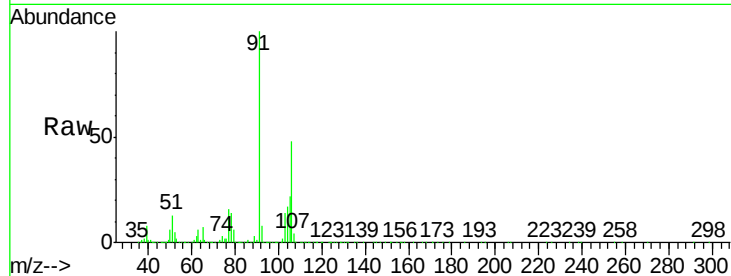
#69
o-Xylene
Concen: 16.091 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Instrument :
MSVOA_X
ClientSampleId :
VX0823MBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	110556		
91	207.9	105.0	314.9	

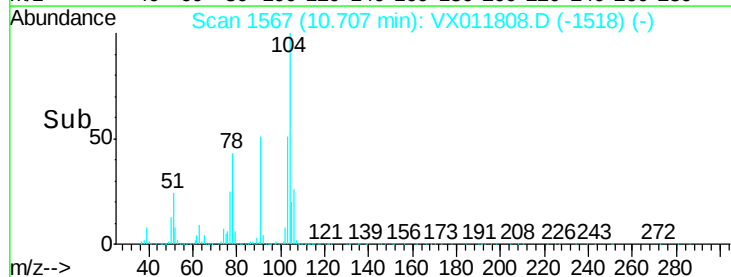
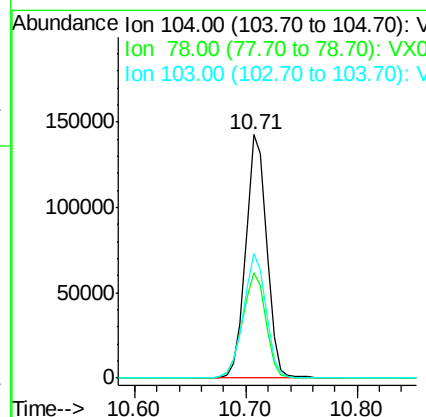
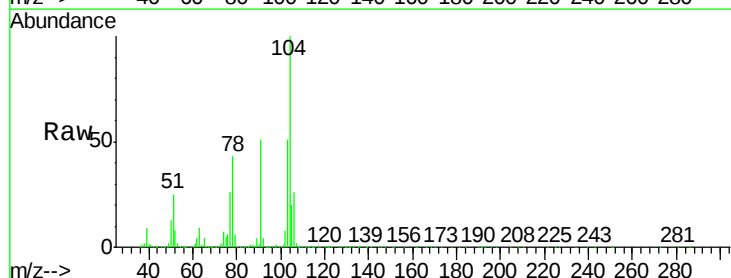
Manual Integrations
APPROVED

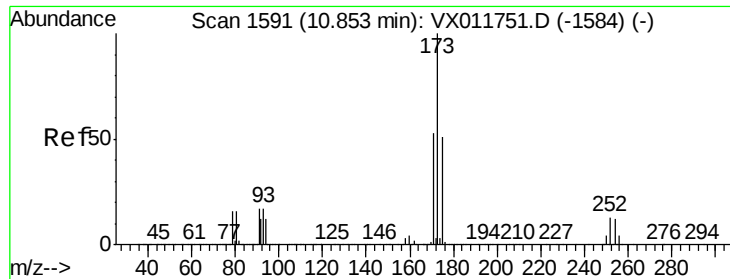
MMDadoda
8/26/2019 11:40:19 AM



#70
Styrene
Concen: 16.247 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	186739		
78	48.4	39.2	58.8	
103	55.3	44.5	66.7	





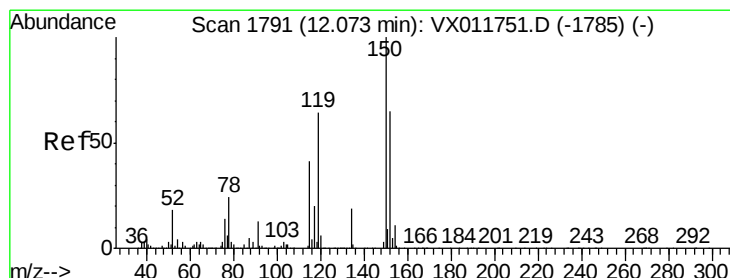
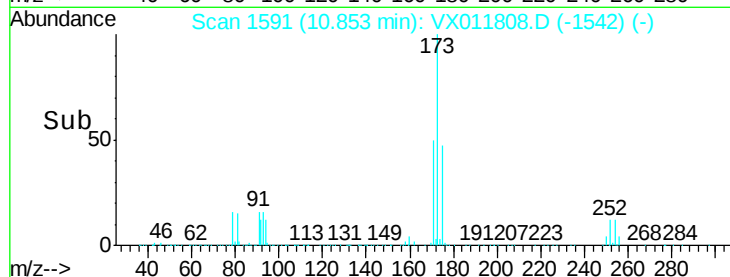
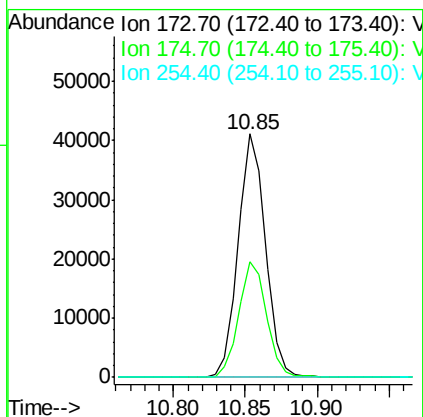
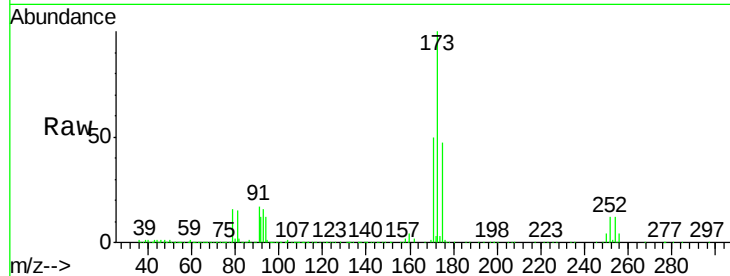
#71
Bromoform
Concen: 15.324 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Instrument :
MSVOA_X
ClientSampleId :
VX0823MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	25.1	75.3
254	0.4	0.2	0.4

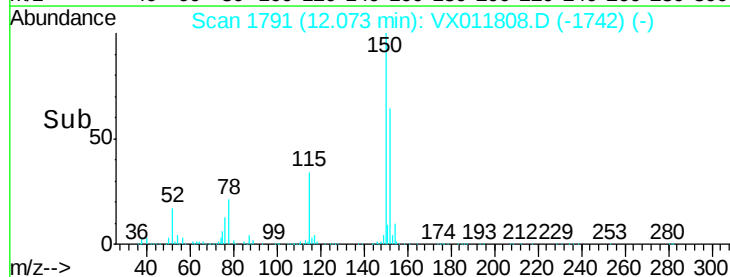
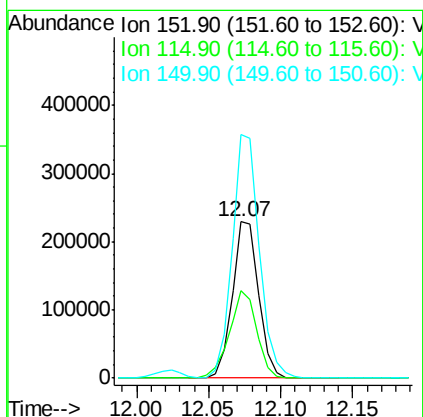
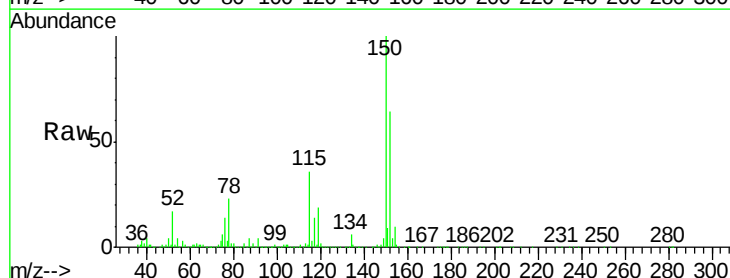
Manual Integrations
APPROVED

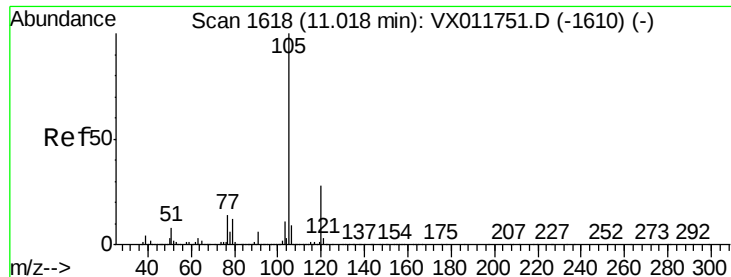
MMDadoda
8/26/2019 11:40:19 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	37.3	111.8
150	161.3	0.0	343.0





#73

Isopropylbenzene

Concen: 16.381 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Instrument :

MSVOA_X

ClientSampleId :

VX0823MBS01

Tot Ion: 105 Resp: 288075

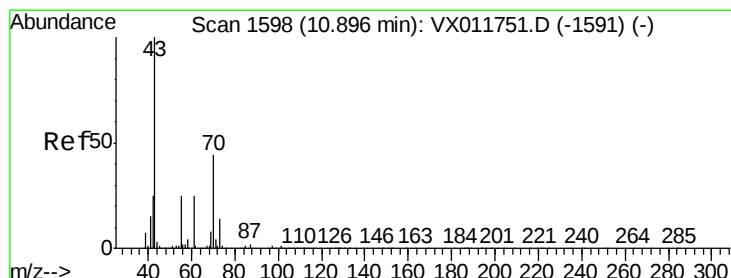
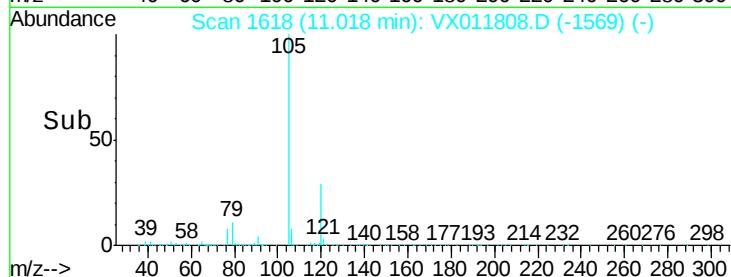
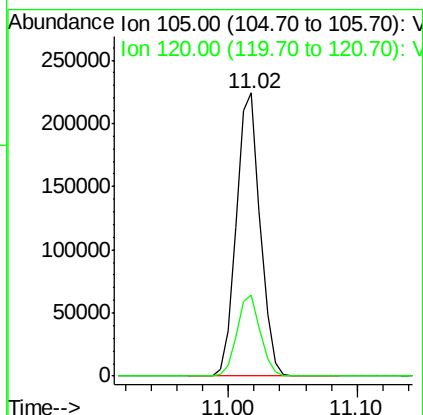
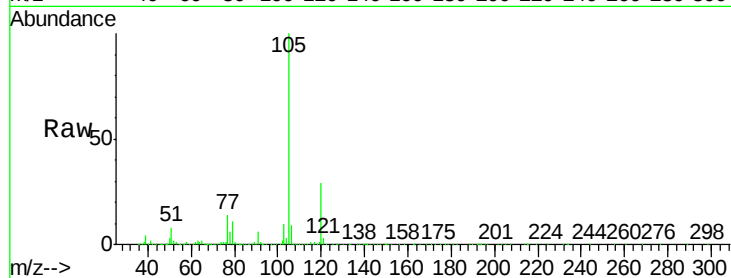
Ion Ratio Lower Upper

105 100

120 28.0 13.9 41.7

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:19 AM



#74

N-ethyl acetate

Concen: 17.109 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Tgt Ion: 43 Resp: 116483

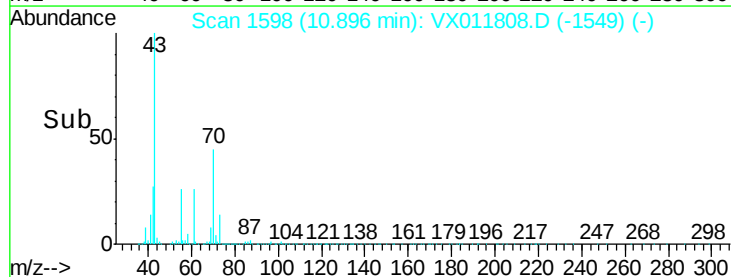
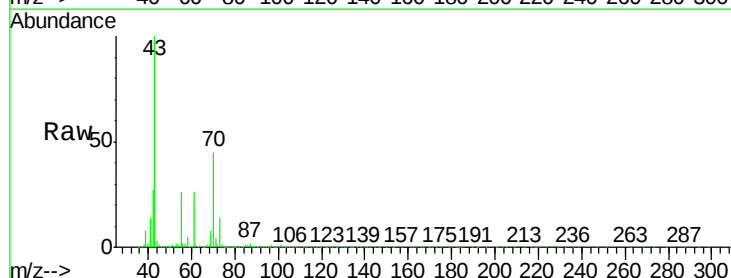
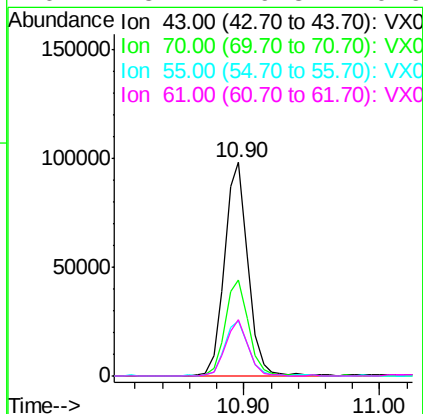
Ion Ratio Lower Upper

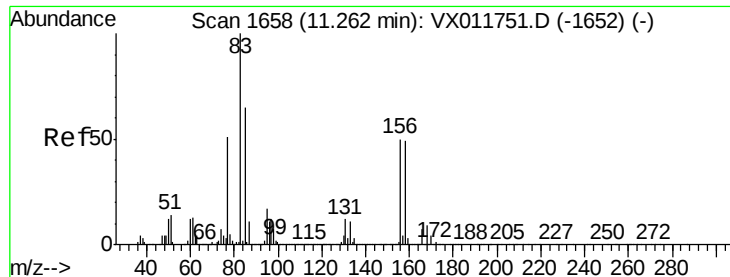
43 100

70 45.7 34.8 52.2

55 25.9 19.5 29.3

61 25.2 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.230 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Instrument :

MSVOA_X

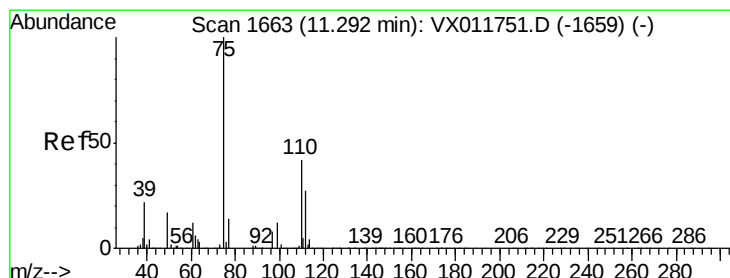
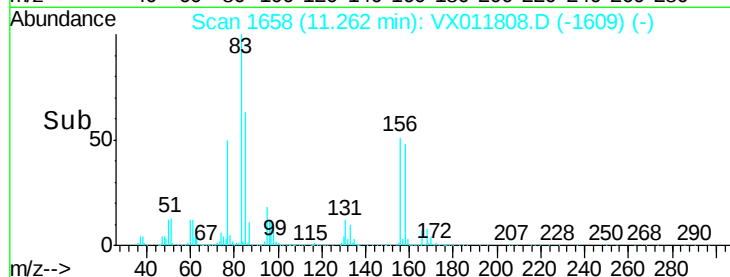
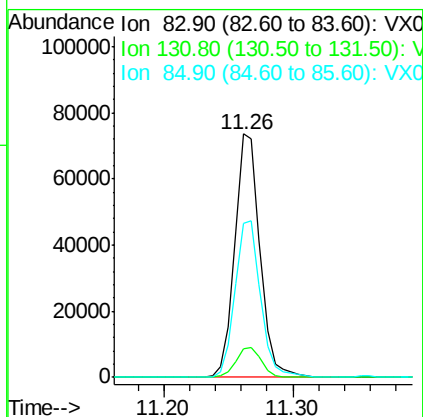
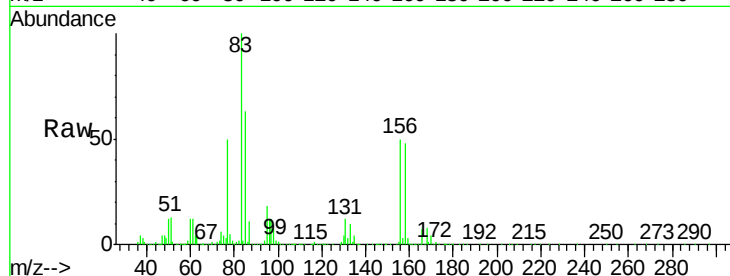
ClientSampleId :

VX0823MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	12.7	6.1	18.3
85	65.4	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:19 AM



#76

1,2,3-Trichloropropane

Concen: 17.095 ug/l m

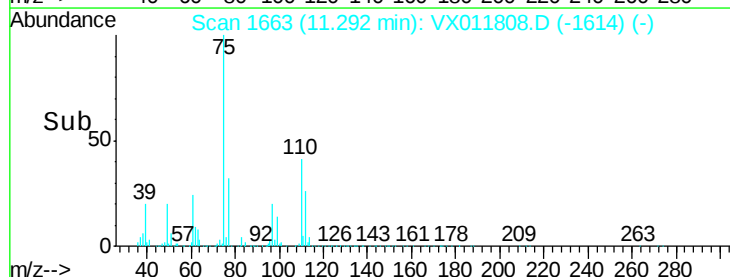
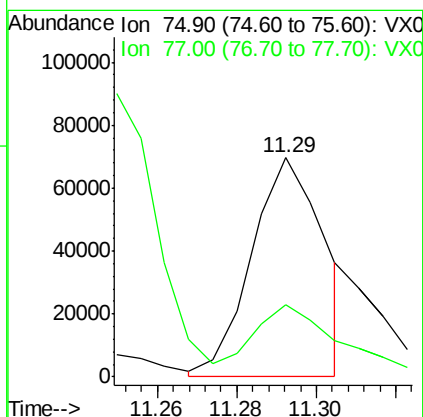
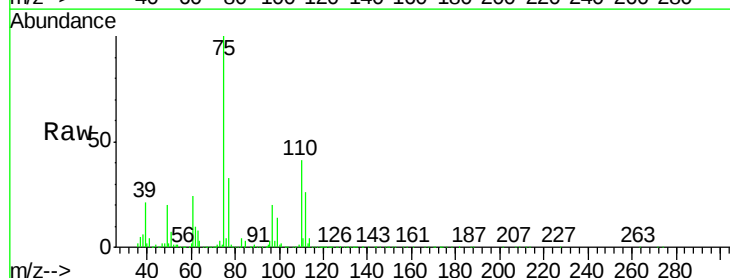
RT: 11.29 min Scan# 1663

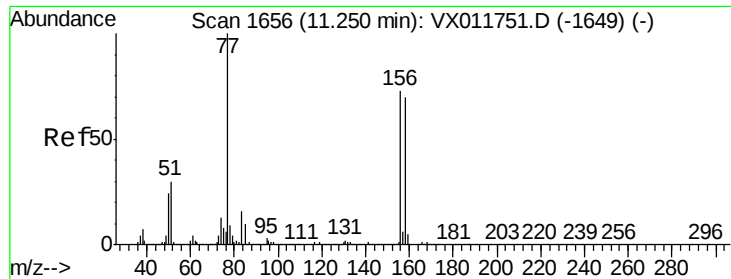
Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	39.8	21.1	63.3





#77

Bromobenzene

Concen: 17.125 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Instrument :

MSVOA_X

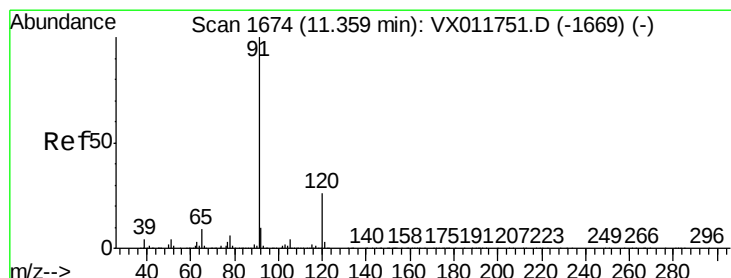
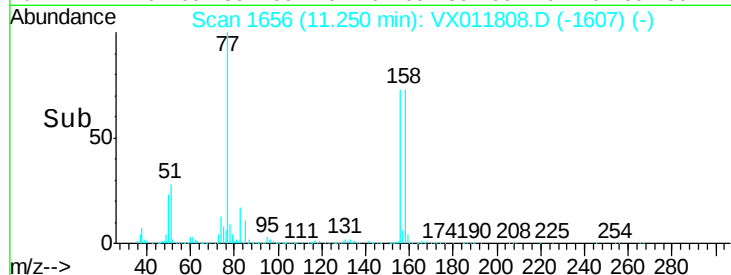
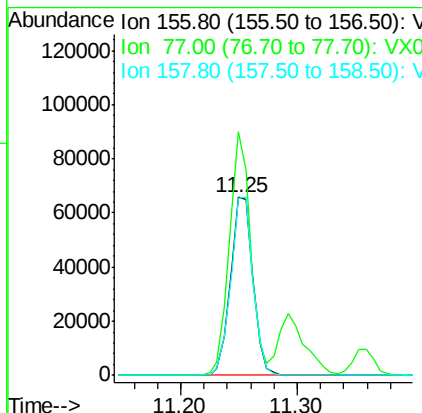
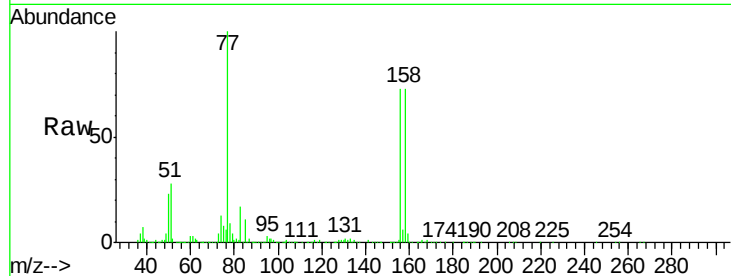
ClientSampleId :

VX0823MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	128.2	65.3	196.0
158	98.7	48.4	145.0

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:19 AM



#78

n-propylbenzene

Concen: 15.999 ug/l

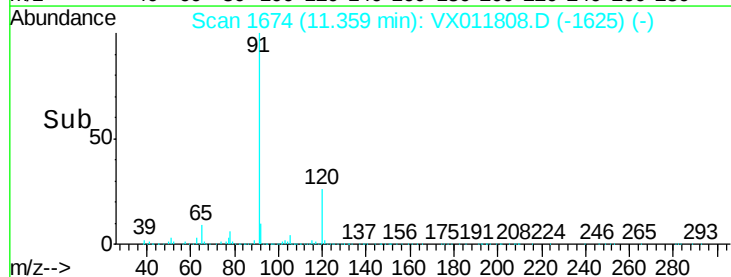
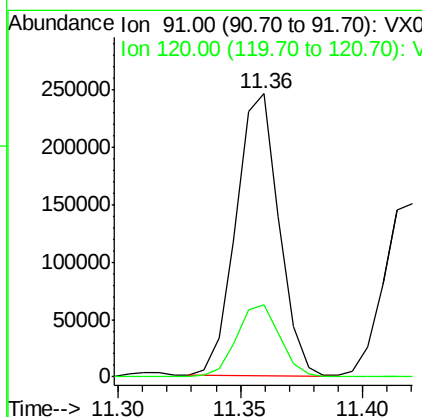
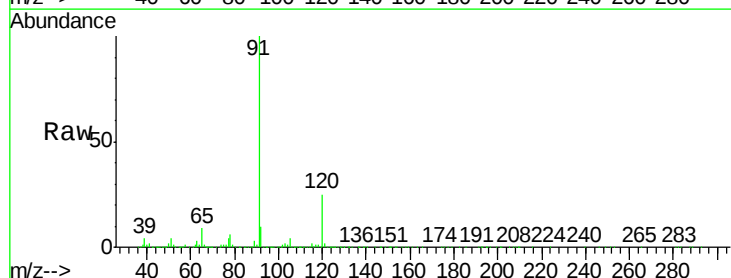
RT: 11.36 min Scan# 1674

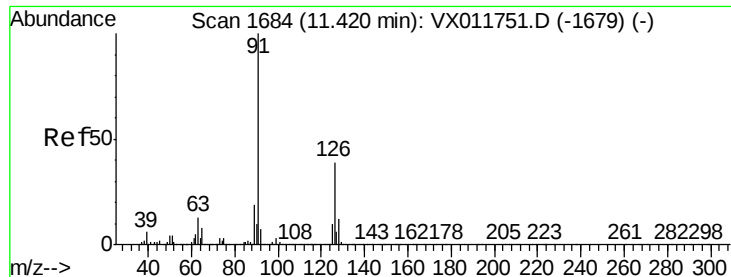
Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.6	12.7	38.1





#79

2-Chlorotoluene

Concen: 16.475 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Instrument :

MSVOA_X

ClientSampleId :

VX0823MBS01

Tot Ion: 91 Resp: 192734

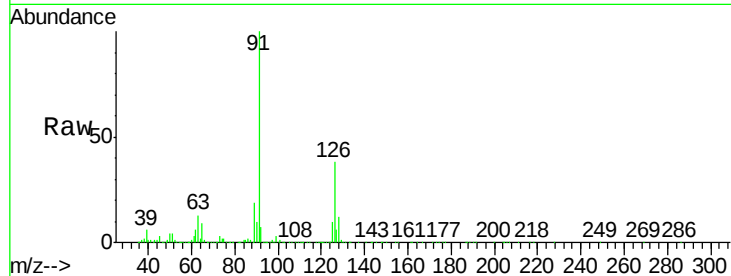
Ion Ratio Lower Upper

91 100

126 37.0 18.6 55.6

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:19 AM



Abundance Ion 91.00 (90.70 to 91.70): VX011751.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX011751.D (-1679) (-)

250000

200000

150000

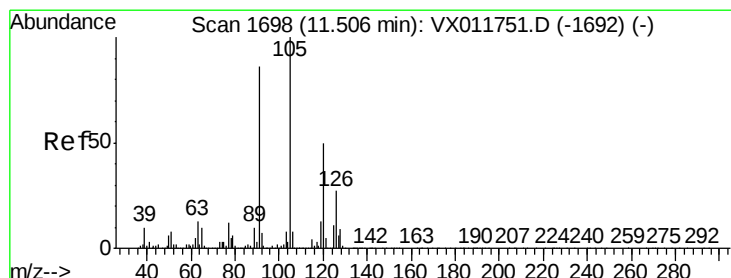
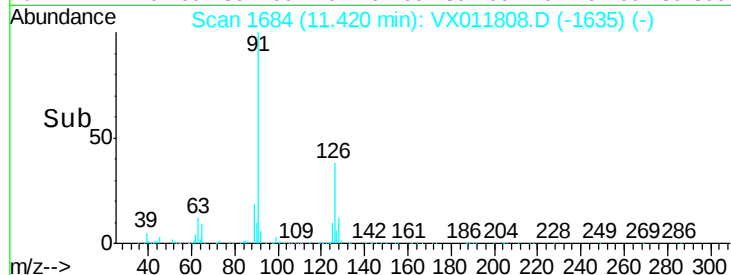
100000

50000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 16.774 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011808.D

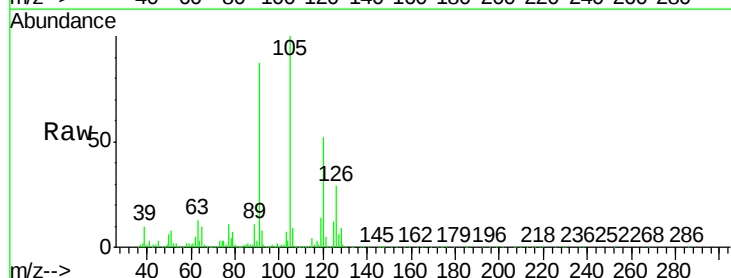
Acq: 23 Aug 2019 19:11

Tgt Ion: 105 Resp: 246114

Ion Ratio Lower Upper

105 100

120 50.5 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VX011751.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX011751.D (-1692) (-)

200000

150000

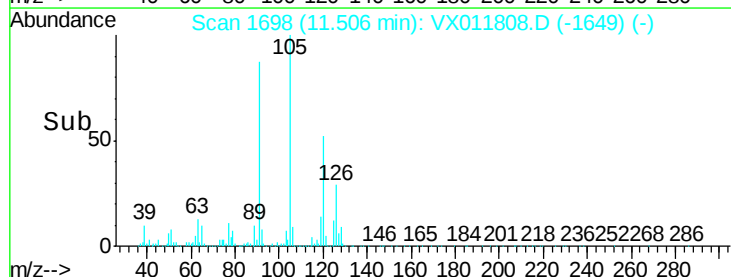
100000

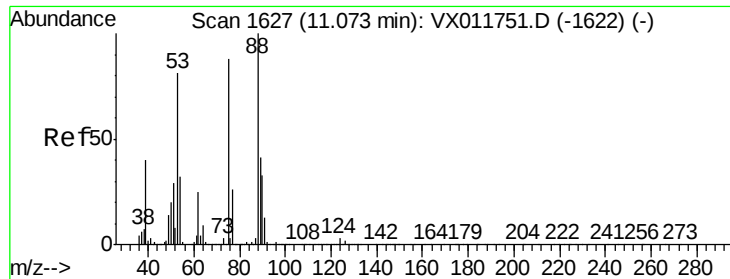
50000

0

11.50 11.51 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 13.676 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Instrument :

MSVOA_X

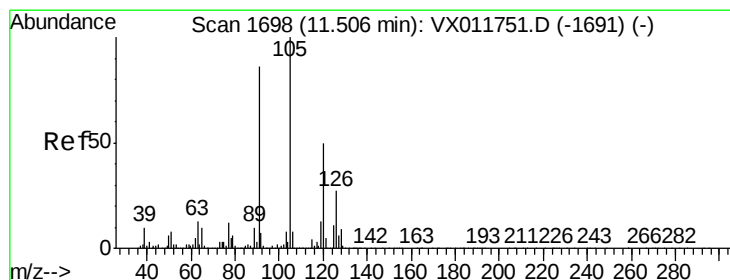
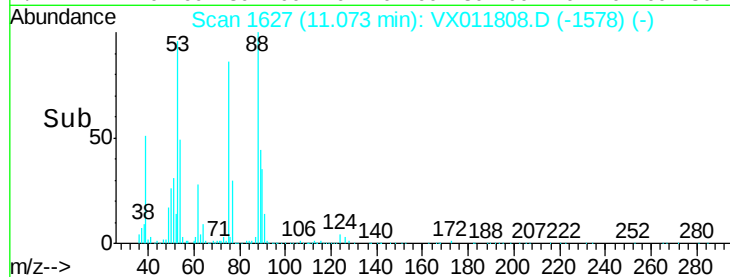
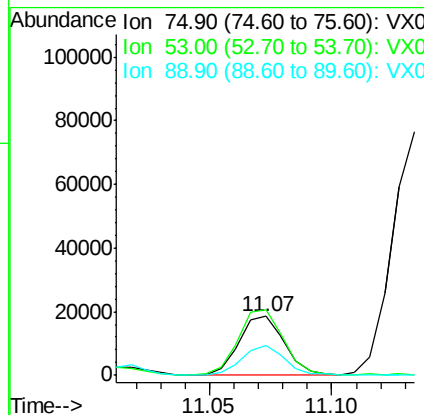
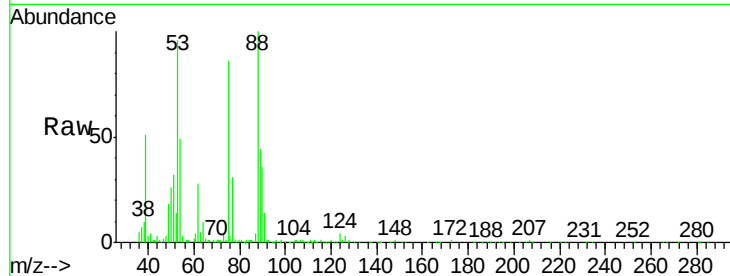
ClientSampleId :

VX0823MBS01

Tot Ion:	75	Resp:	23220
Ion	Ratio	Lower	Upper
75	100		
53	113.4	77.1	115.7
89	51.1	38.5	57.7

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:19 AM



#82

4-Chlorotoluene

Concen: 16.315 ug/l

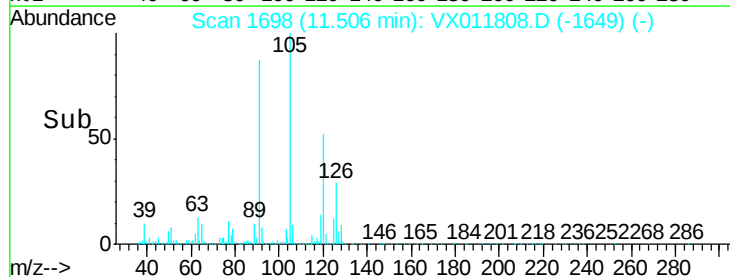
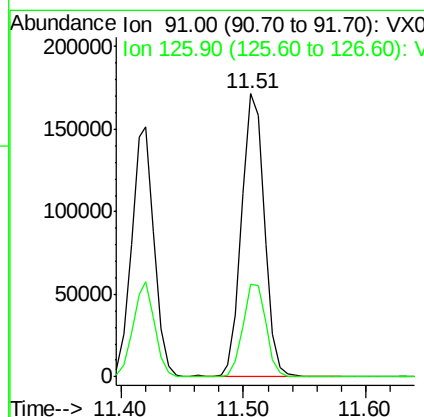
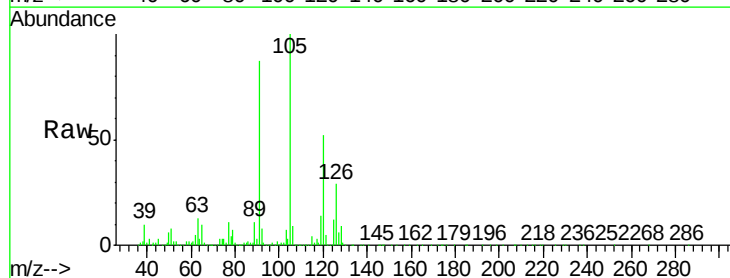
RT: 11.51 min Scan# 1698

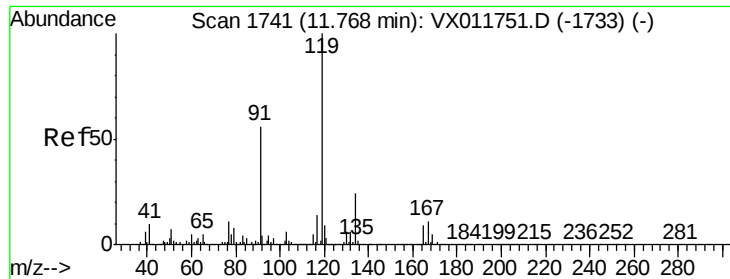
Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Tgt Ion:	91	Resp:	220005
Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.2	48.6





#83

tert-Butylbenzene

Concen: 16.834 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Instrument :

MSVOA_X

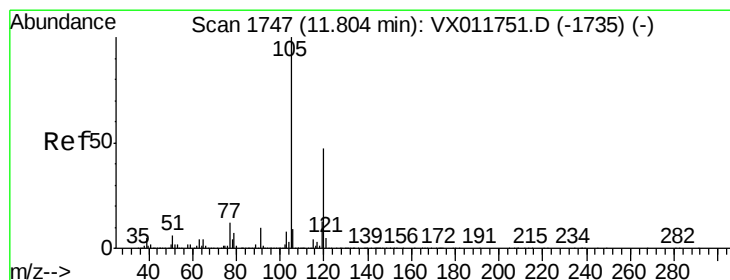
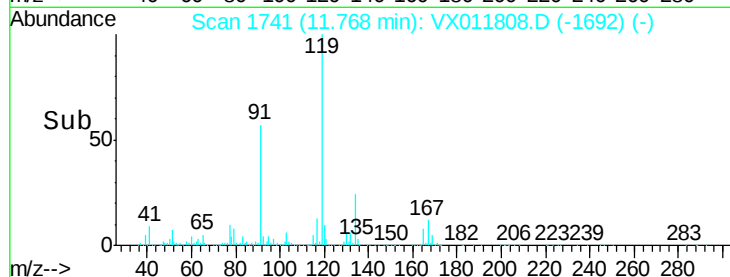
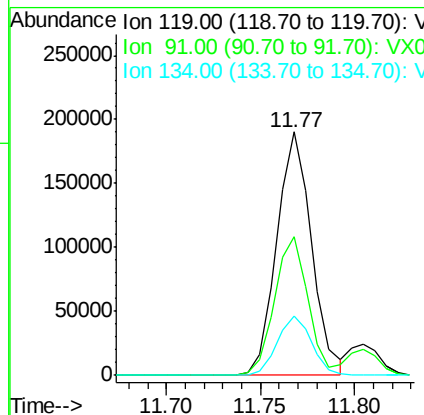
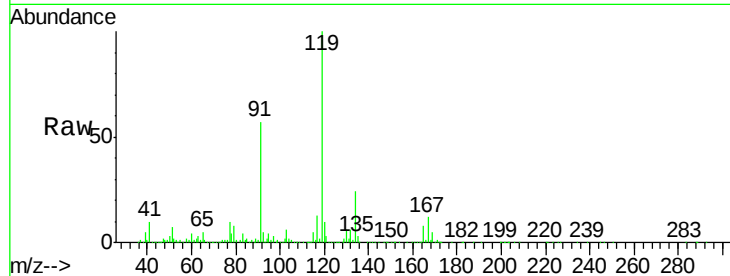
ClientSampleId :

VX0823MBS01

Tot Ion:	119	Resp:	243697
Ion Ratio	Lower	Upper	
119	100		
91	54.2	27.7	83.1
134	24.0	11.8	35.3

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:19 AM



#84

1,2,4-Trimethylbenzene

Concen: 16.718 ug/l

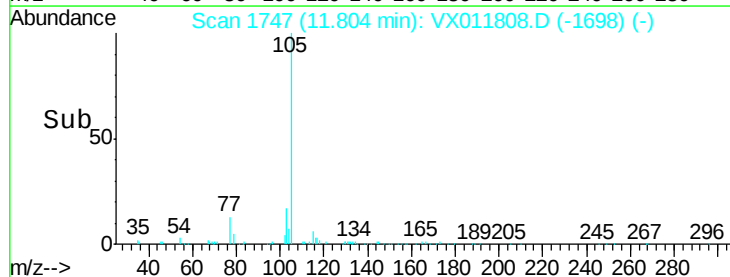
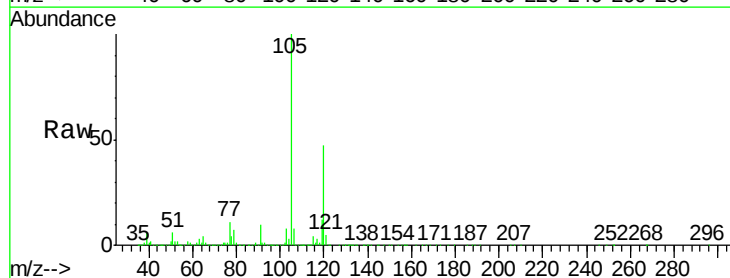
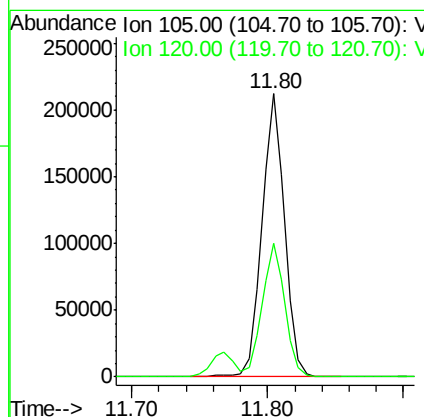
RT: 11.80 min Scan# 1747

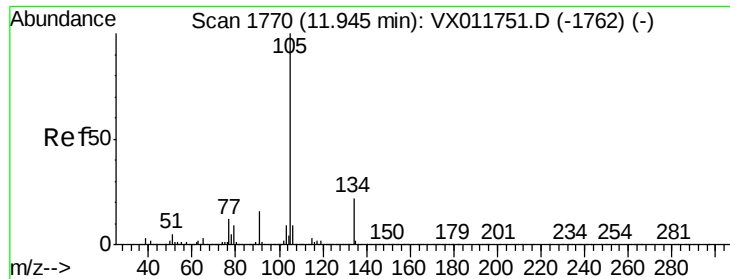
Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Tgt Ion:	105	Resp:	247704
Ion Ratio	Lower	Upper	
105	100		
120	47.1	23.7	71.1





#85

sec-Butylbenzene

Concen: 16.136 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Instrument :

MSVOA_X

ClientSampleId :

VX0823MBSD01

Tot Ion:105 Resp: 267207

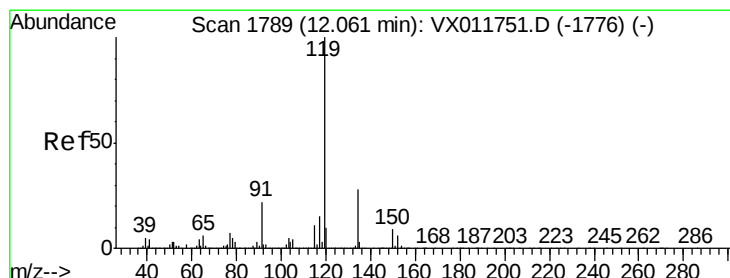
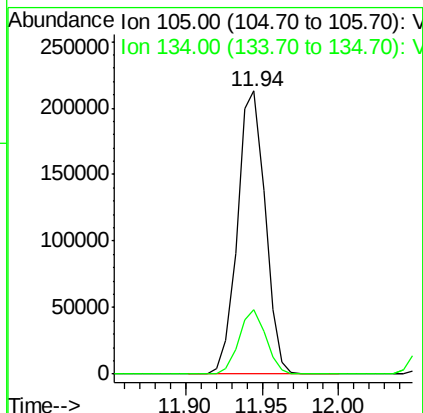
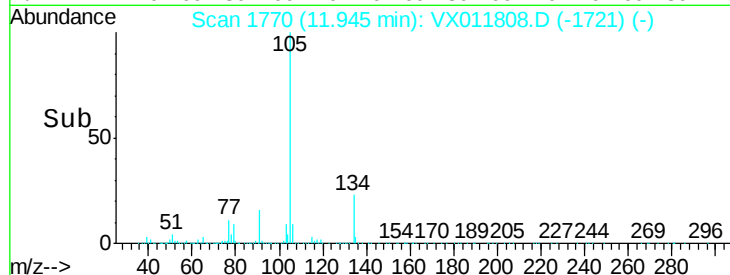
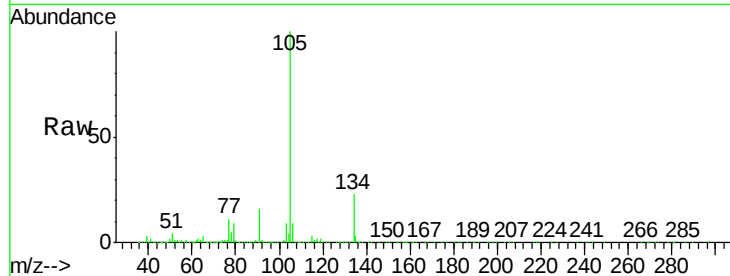
Ion Ratio Lower Upper

105 100

134 22.3 10.8 32.3

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:19 AM



#86

p-Isopropyltoluene

Concen: 16.062 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

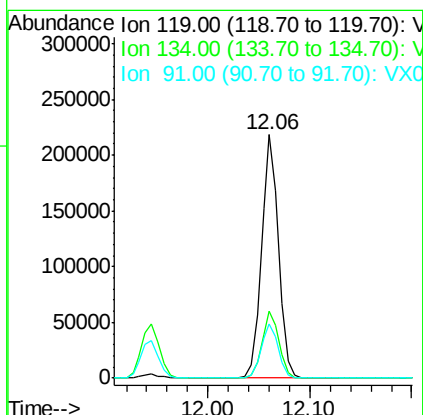
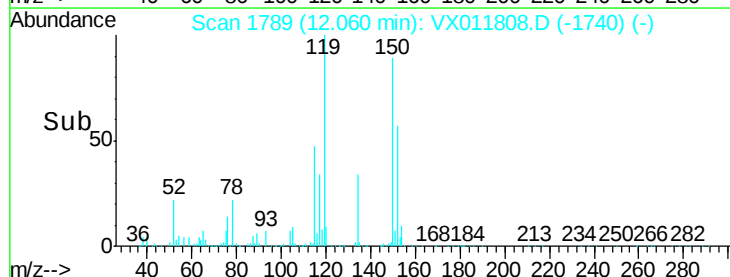
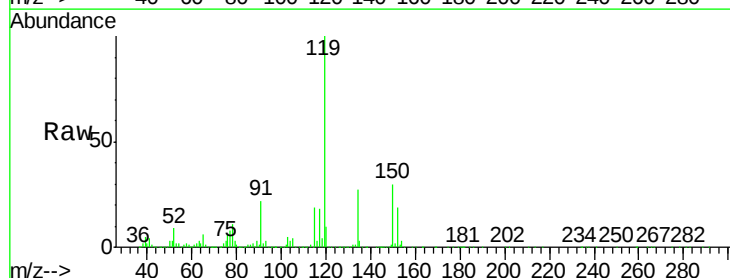
Tgt Ion:119 Resp: 255915

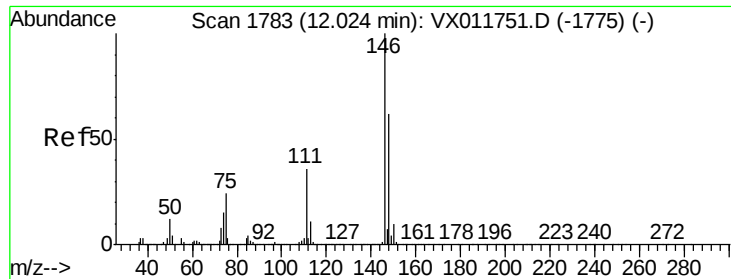
Ion Ratio Lower Upper

119 100

134 27.5 13.7 41.0

91 22.2 11.1 33.3





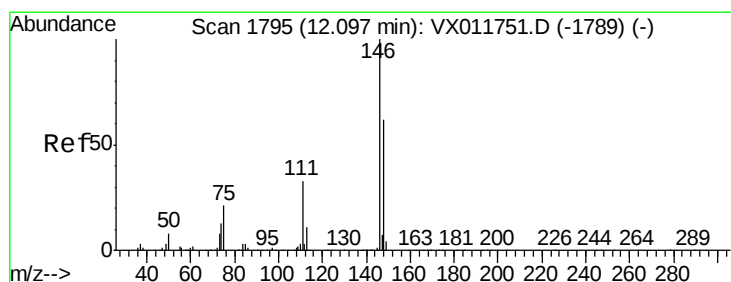
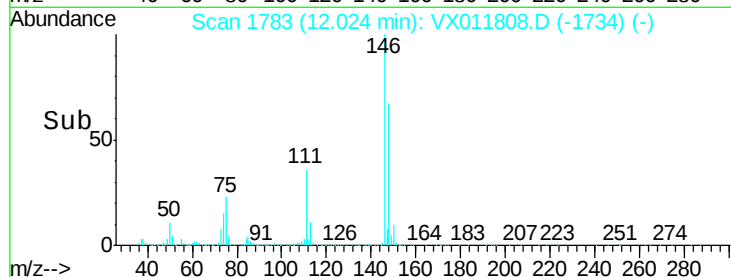
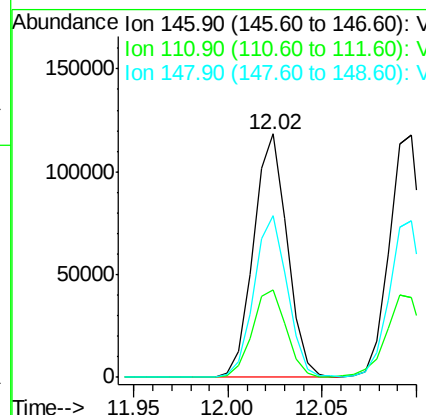
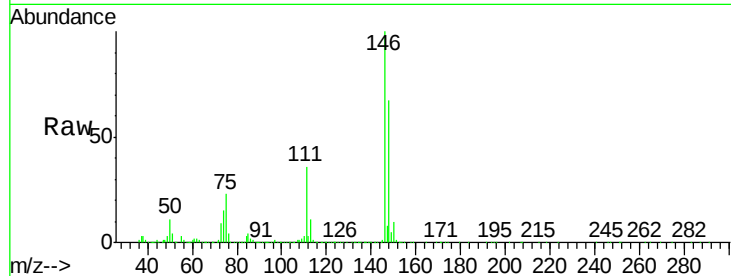
#87
 1,3-Dichlorobenzene
 Concen: 16.383 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011808.D
 Acq: 23 Aug 2019 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.1	54.4
148	66.0	31.6	94.7

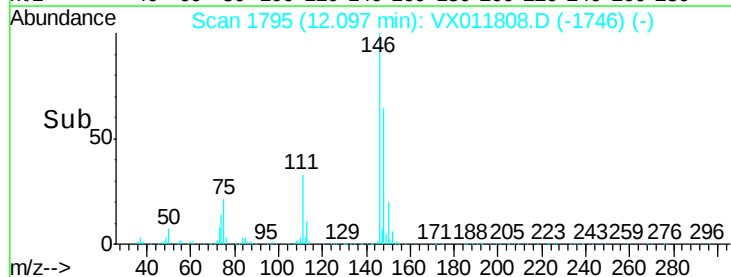
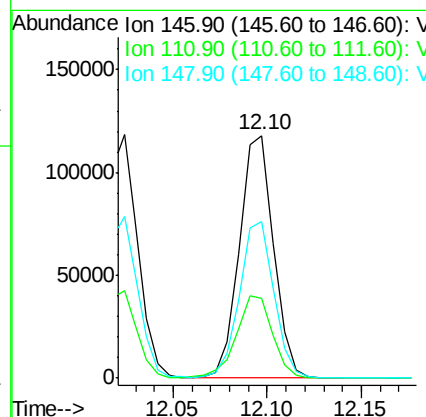
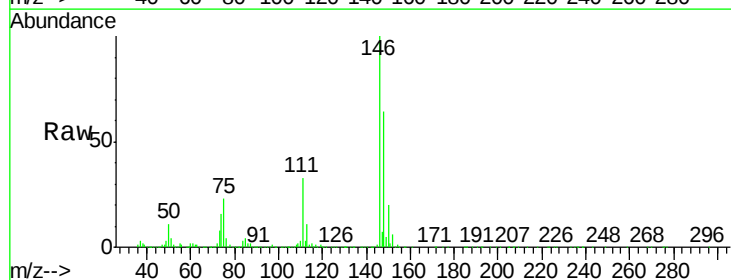
Manual Integrations
 APPROVED

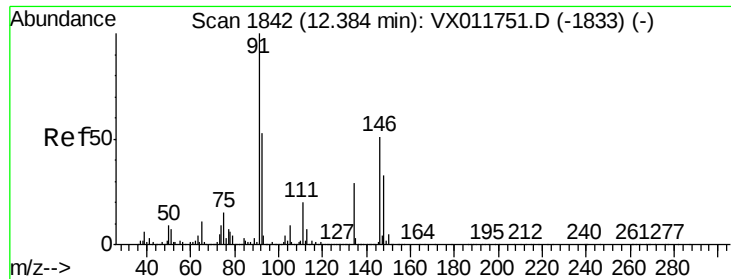
MMDadoda
 8/26/2019 11:40:19 AM



#88
 1,4-Dichlorobenzene
 Concen: 16.394 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011808.D
 Acq: 23 Aug 2019 19:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	17.8	53.4
148	65.6	31.9	95.7





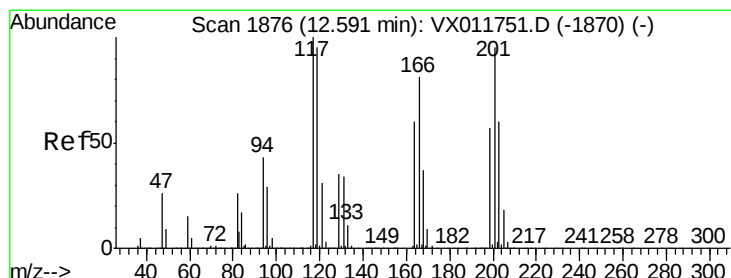
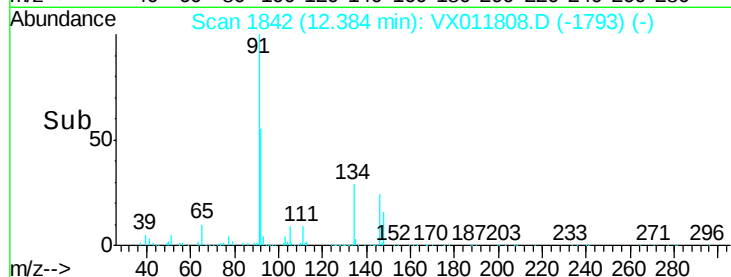
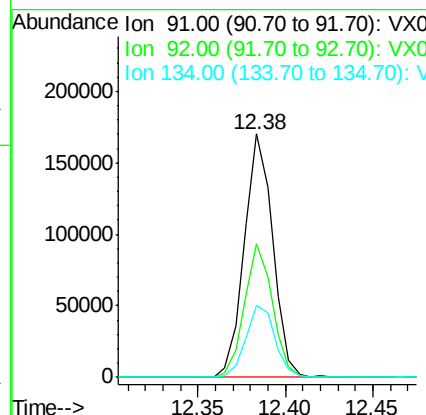
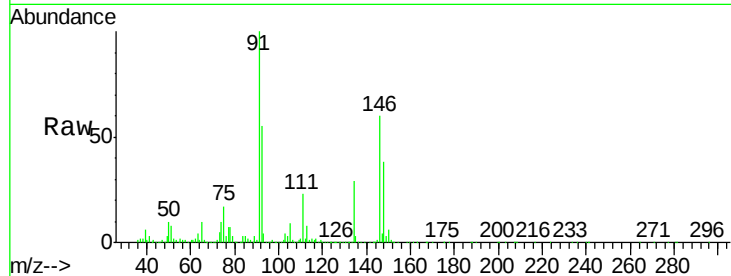
#89
n-Butylbenzene
Concen: 14.625 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Instrument :
MSVOA_X
ClientSampleId :
VX0823MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.7	80.0
134	30.4	14.6	43.8

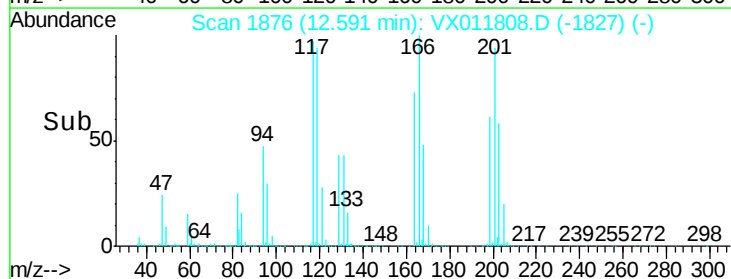
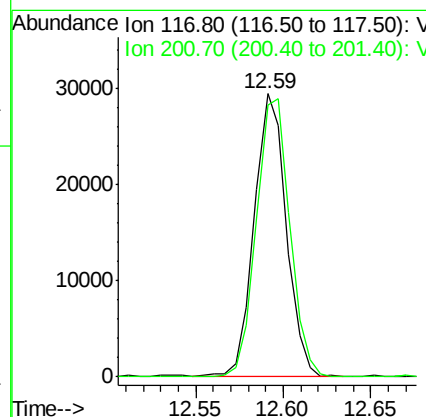
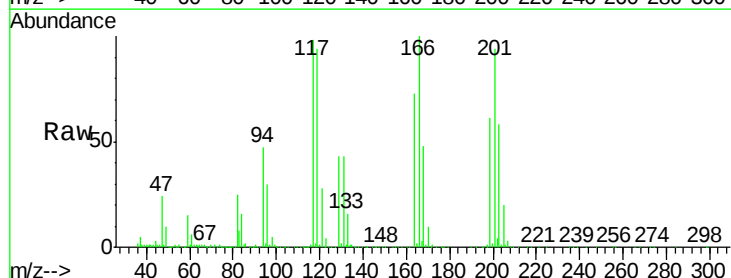
Manual Integrations
APPROVED

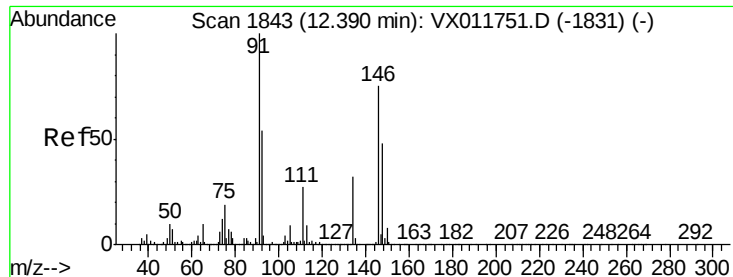
MMDadoda
8/26/2019 11:40:19 AM



#90
Hexachloroethane
Concen: 15.070 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX011808.D
Acq: 23 Aug 2019 19:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	103.4	49.6	149.0





#91

1,2-Dichlorobenzene

Concen: 16.654 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Instrument :

MSVOA_X

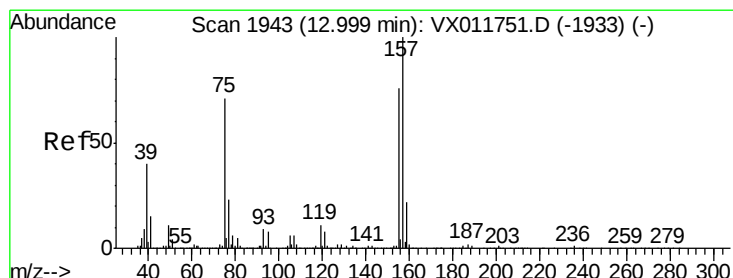
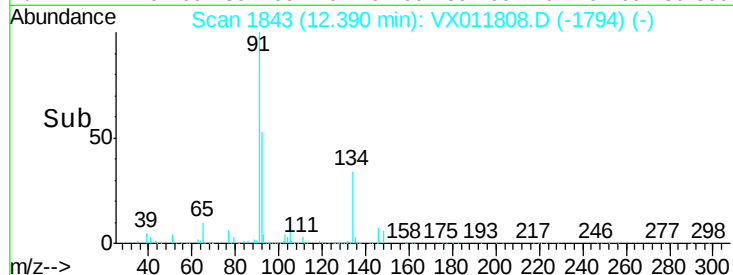
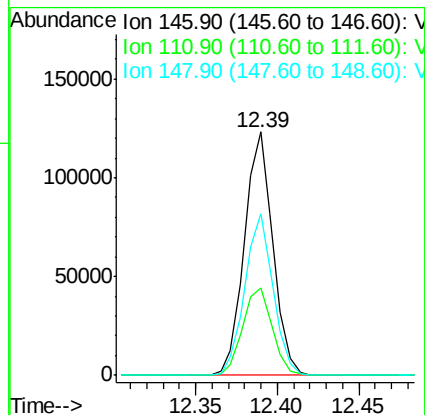
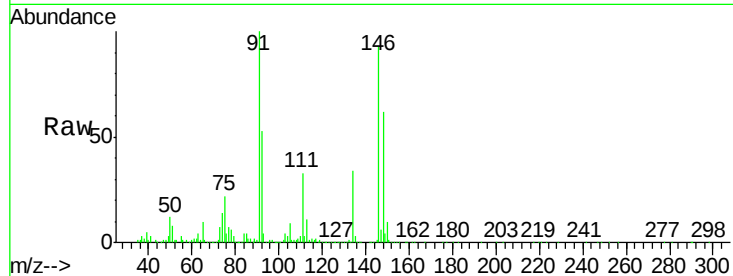
ClientSampleId :

VX0823MBS01

Tot Ion:	146	Resp:	149967
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.8	56.4
148	66.4	31.6	95.0

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:19 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.799 ug/l

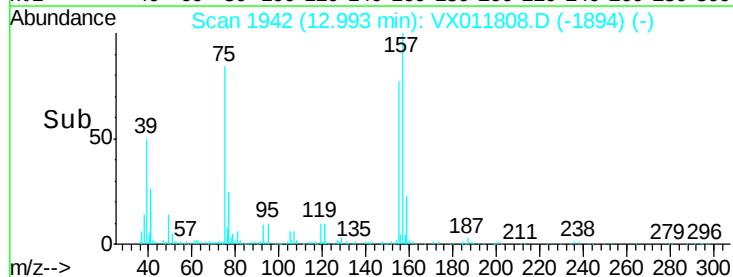
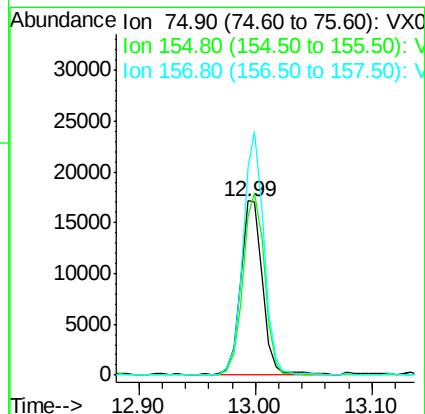
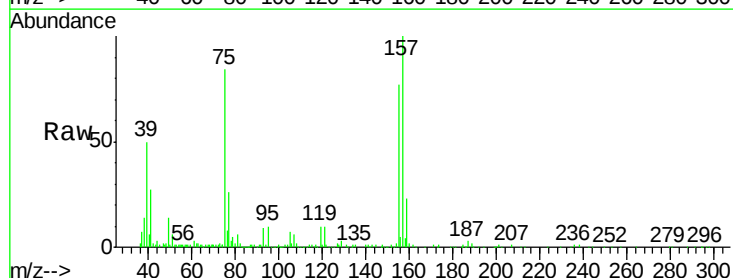
RT: 12.99 min Scan# 1942

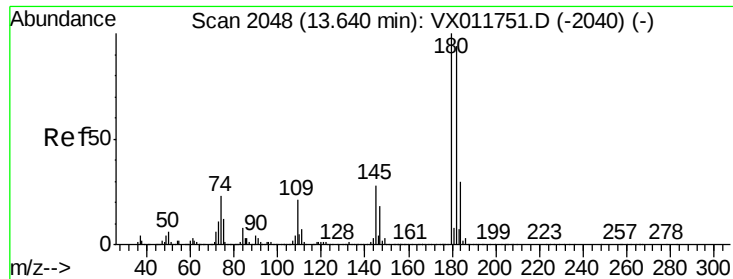
Delta R.T. -0.01 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Tgt Ion:	75	Resp:	22730
Ion Ratio	Lower	Upper	
75	100		
155	102.6	52.6	157.9
157	131.7	68.3	204.9





#93

1,2,4-Trichlorobenzene

Concen: 15.910 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Instrument :

MSVOA_X

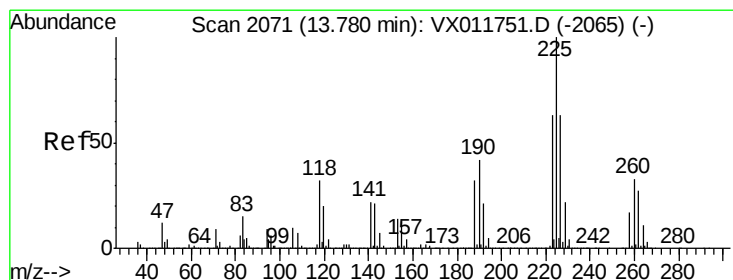
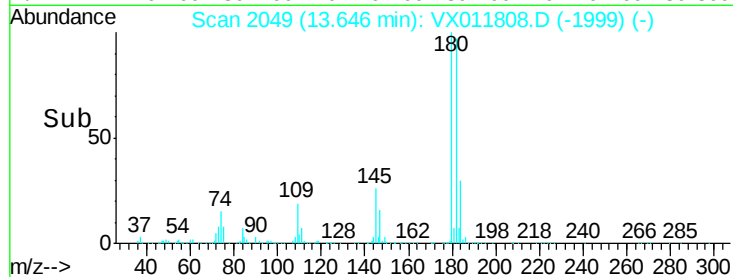
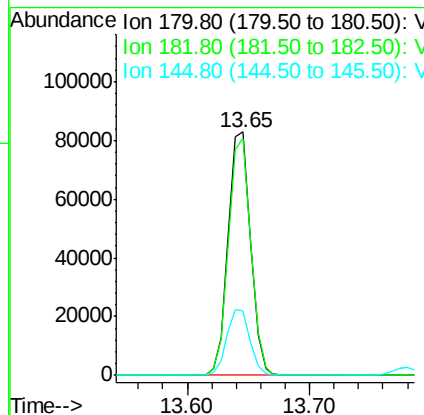
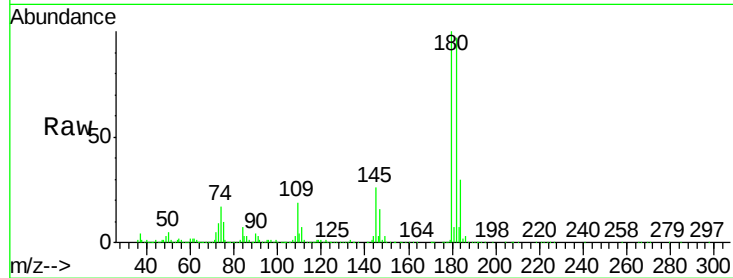
ClientSampleId :

VX0823MBS01

Tot Ion:	180	Resp:	105381
Ion Ratio	Lower	Upper	
180	100		
182	96.9	47.8	143.4
145	27.7	14.1	42.3

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:19 AM



#94

Hexachlorobutadiene

Concen: 14.262 ug/l

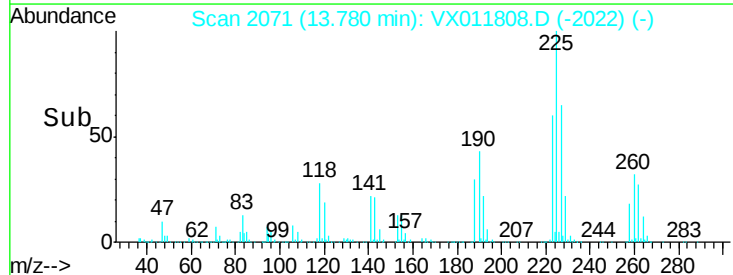
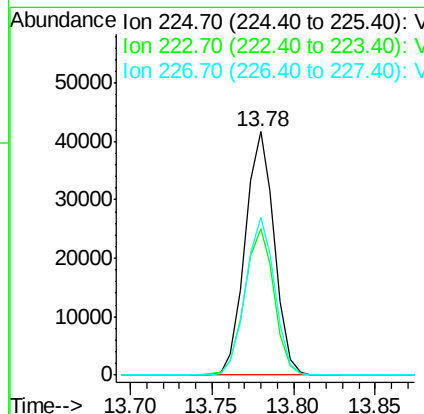
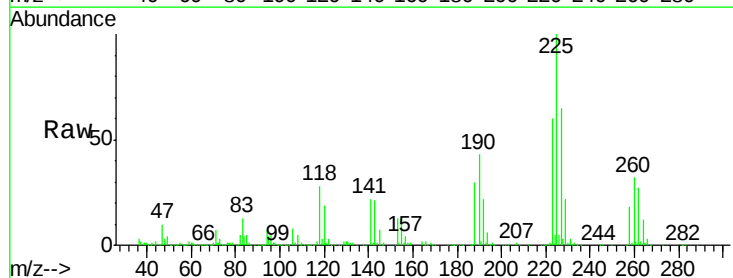
RT: 13.78 min Scan# 2071

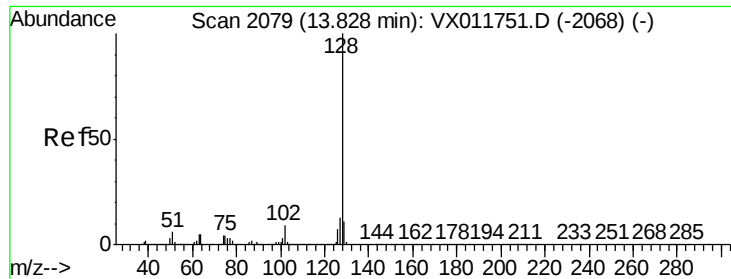
Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Tgt Ion:	225	Resp:	51764
Ion Ratio	Lower	Upper	
225	100		
223	60.9	31.0	93.0
227	64.8	31.8	95.3





#95

Naphthalene

Concen: 17.679 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Instrument :

MSVOA_X

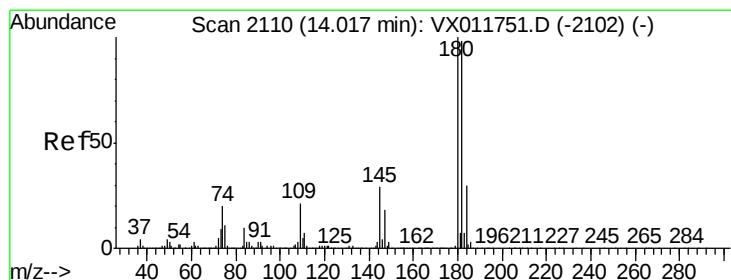
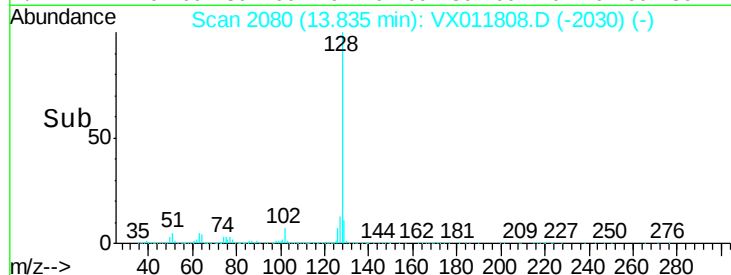
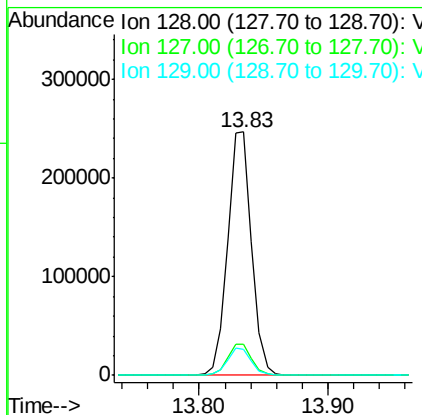
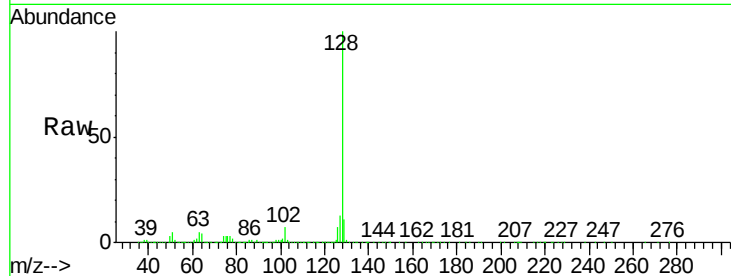
ClientSampleId :

VX0823MBS01

Tot Ion:	128	Resp:	322503
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:19 AM



#96

1,2,3-Trichlorobenzene

Concen: 16.540 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX011808.D

Acq: 23 Aug 2019 19:11

Tgt Ion:	180	Resp:	109998
Ion Ratio	Lower	Upper	
180	100		
182	97.5	48.5	145.5
145	29.7	14.6	43.8

