

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082219\
 Data File : VX011769.D
 Acq On : 22 Aug 2019 18:06
 Operator : JC/SP
 Sample : VX0822WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 8:42:00 AM

Quant Time: Aug 23 03:20:31 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	402173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	557124	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	476369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	252206	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	197507	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
35) Dibromofluoromethane	5.49	113	177918	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	8.71	98	648379	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
62) 4-Bromofluorobenzene	11.13	95	226000	45.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.00%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	74531	19.857	ug/l	95
3) Chloromethane	1.32	50	65485	19.894	ug/l	99
4) Vinyl Chloride	1.40	62	63440	19.280	ug/l	97
5) Bromomethane	1.63	94	35549	19.611	ug/l	99
6) Chloroethane	1.71	64	36226	18.830	ug/l	99
7) Trichlorofluoromethane	1.92	101	101212	19.320	ug/l	99
8) Diethyl Ether	2.18	74	33526	18.820	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	58389	18.011	ug/l	97
10) Methyl Iodide	2.50	142	75113	18.970	ug/l	99
11) Tert butyl alcohol	3.04	59	77366	96.909	ug/l	100
12) 1,1-Dichloroethene	2.37	96	59330	18.769	ug/l	99
13) Acrolein	2.29	56	26344	85.366	ug/l	91
14) Allyl chloride	2.72	41	91649	18.550	ug/l	96
15) Acrylonitrile	3.14	53	178898	97.972	ug/l	99
16) Acetone	2.43	43	149132	84.857	ug/l	98
17) Carbon Disulfide	2.56	76	143772	17.989	ug/l	100
18) Methyl Acetate	2.76	43	97702	20.488	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	197998	19.527	ug/l	97
20) Methylene Chloride	2.85	84	66741	18.575	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	64561	18.936	ug/l	94
22) Diisopropyl ether	3.85	45	191966	20.037	ug/l	96
23) Vinyl Acetate	3.81	43	784360	98.882	ug/l	98
24) 1,1-Dichloroethane	3.69	63	109536	19.364	ug/l	99
25) 2-Butanone	4.66	43	245970	97.507	ug/l	100
26) 2,2-Dichloropropane	4.57	77	78116	16.262	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	73068	18.688	ug/l	97
28) Bromochloromethane	5.01	49	45873	17.865	ug/l	94
29) Tetrahydrofuran	5.12	42	160405	99.197	ug/l	99
30) Chloroform	5.21	83	118476	19.305	ug/l	99
31) Cyclohexane	5.57	56	97040	19.534	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	104804	19.646	ug/l	99
36) 1,1-Dichloropropene	5.79	75	84336	19.304	ug/l	97
37) Ethyl Acetate	4.82	43	91740	19.843	ug/l	99
38) Carbon Tetrachloride	5.78	117	90272	18.232	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082219\
 Data File : VX011769.D
 Acq On : 22 Aug 2019 18:06
 Operator : JC/SP
 Sample : VX0822WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 8:42:00 AM

Quant Time: Aug 23 03:20:31 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	100748	18.609	ug/l	99
40) Benzene	6.13	78	255632	18.915	ug/l	99
41) Methacrylonitrile	5.04	41	51640	19.205	ug/l	98
42) 1,2-Dichloroethane	6.18	62	90853	18.390	ug/l	100
43) Isopropyl Acetate	6.44	43	140622	18.792	ug/l	99
44) Trichloroethene	7.21	130	78022	18.728	ug/l	98
45) 1,2-Dichloropropane	7.51	63	64149	18.884	ug/l	97
46) Dibromomethane	7.66	93	44908	17.931	ug/l	96
47) Bromodichloromethane	7.90	83	83816	18.591	ug/l	99
48) Methyl methacrylate	7.77	41	72122	19.367	ug/l	99
49) 1,4-Dioxane	7.73	88	37177	360.308	ug/l	93
51) 4-Methyl-2-Pentanone	8.63	43	473759	96.083	ug/l	99
52) Toluene	8.78	92	164885	18.853	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	87529	18.494	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	95499	18.496	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	70348	19.307	ug/l	98
56) Ethyl methacrylate	9.18	69	101659	19.618	ug/l	100
57) 1,3-Dichloropropane	9.37	76	110026	18.701	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.31	63	259096	95.050	ug/l	99
59) 2-Hexanone	9.49	43	364448	96.301	ug/l	100
60) Dibromochloromethane	9.58	129	71320	18.104	ug/l	99
61) 1,2-Dibromoethane	9.67	107	75096	19.208	ug/l	100
64) Tetrachloroethene	9.34	164	76832	20.217	ug/l	95
65) Chlorobenzene	10.13	112	177976	19.136	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	67135	19.266	ug/l	100
67) Ethyl Benzene	10.25	91	300940	19.363	ug/l	98
68) m/p-Xylenes	10.35	106	233558	38.974	ug/l	99
69) o-Xylene	10.69	106	113485	19.288	ug/l	99
70) Styrene	10.71	104	187753	19.075	ug/l	99
71) Bromoform	10.85	173	52535	17.477	ug/l #	98
73) Isopropylbenzene	11.02	105	307558	20.236	ug/l	99
74) N-amyl acetate	10.90	43	116259	19.758	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	101332	20.142	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	87652m	19.806	ug/l	
77) Bromobenzene	11.25	156	87341	19.493	ug/l	99
78) n-propylbenzene	11.36	91	330344	20.327	ug/l	99
79) 2-Chlorotoluene	11.42	91	203044	20.082	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	264144	20.829	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	24874	16.951	ug/l	89
82) 4-Chlorotoluene	11.51	91	235809	20.233	ug/l	99
83) tert-Butylbenzene	11.77	119	255516	20.422	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	265493	20.732	ug/l	96
85) sec-Butylbenzene	11.94	105	296232	20.698	ug/l	100
86) p-Isopropyltoluene	12.06	119	276711	20.095	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	149719	19.404	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	150325	19.256	ug/l	99
89) n-Butylbenzene	12.38	91	223141	19.575	ug/l	99
90) Hexachloroethane	12.59	117	41376	19.341	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	150128	19.291	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	22906	19.588	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082219\
Data File : VX011769.D
Acq On : 22 Aug 2019 18:06
Operator : JC/SP
Sample : VX0822WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBSD01

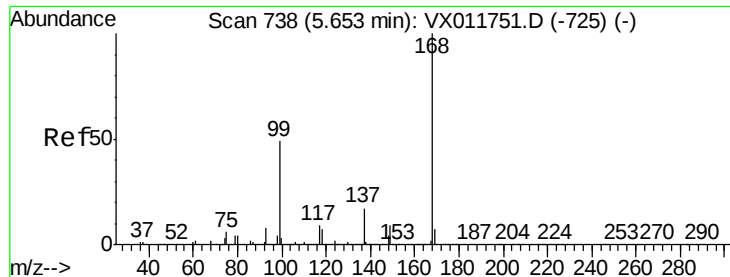
Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:42:00 AM

Quant Time: Aug 23 03:20:31 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	105551	18.438	ug/l	99
94) Hexachlorobutadiene	13.78	225	58165	18.542	ug/l	99
95) Naphthalene	13.83	128	315913	20.037	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	108192	18.823	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBSD01

Tot Ion:168 Resp: 402173

Ion Ratio Lower Upper

168 100

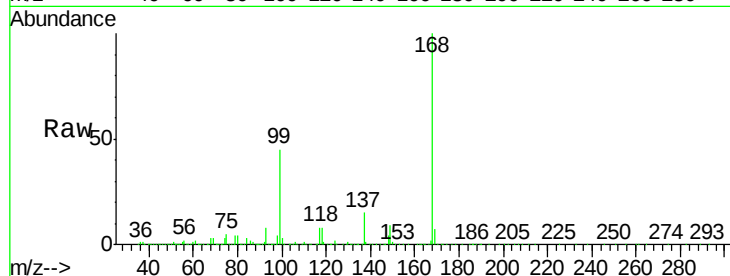
99 45.2 39.4 59.2

Manual Integrations

APPROVED

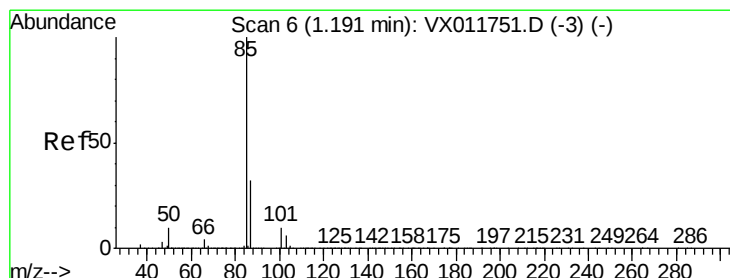
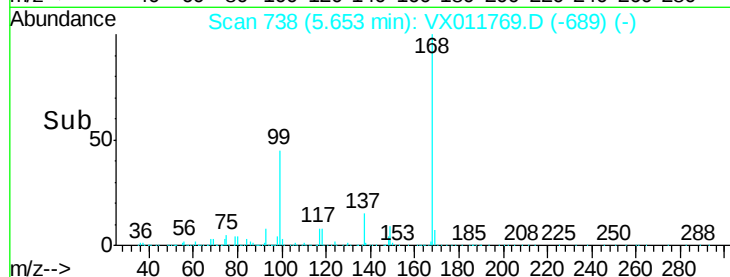
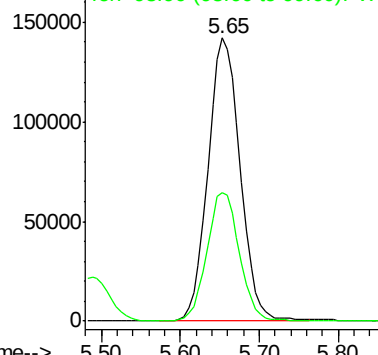
MMDadoda

8/23/2019 8:42:00 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.857 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011769.D

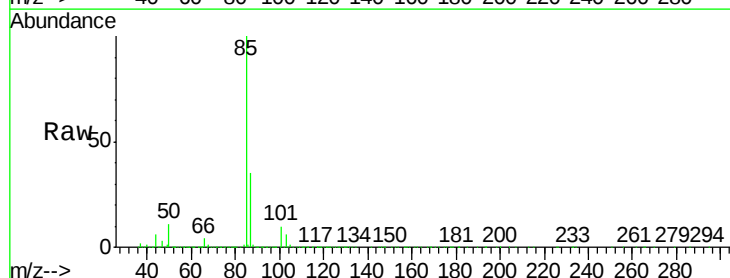
Acq: 22 Aug 2019 18:06

Tgt Ion: 85 Resp: 74531

Ion Ratio Lower Upper

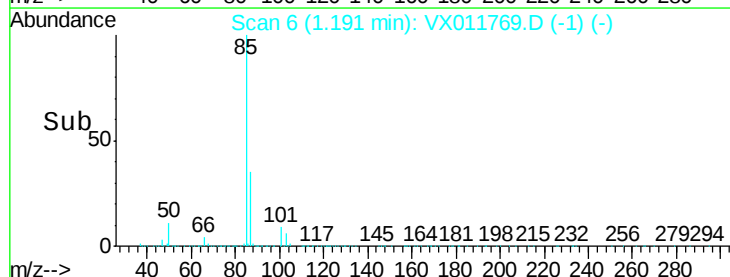
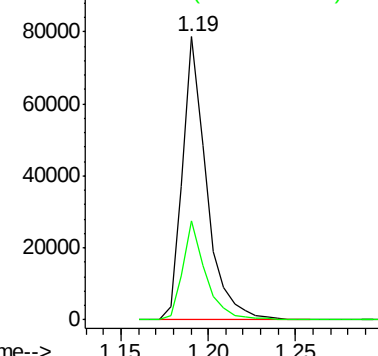
85 100

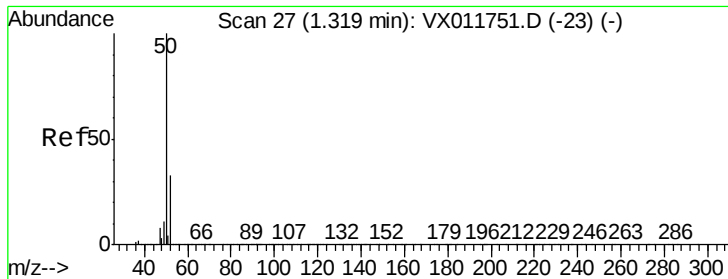
87 35.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.894 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Tot Ion: 50 Resp: 65485

Ion Ratio Lower Upper

50 100

52 32.7 26.6 39.8

Instrument :

MSVOA_X

ClientSampleId :

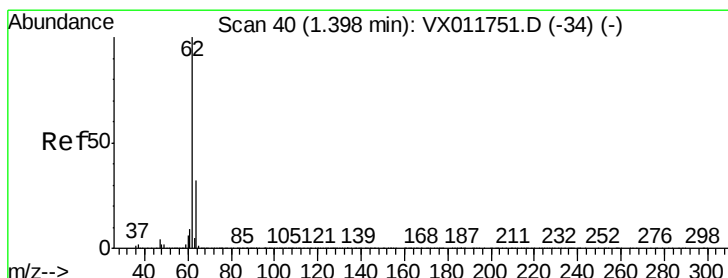
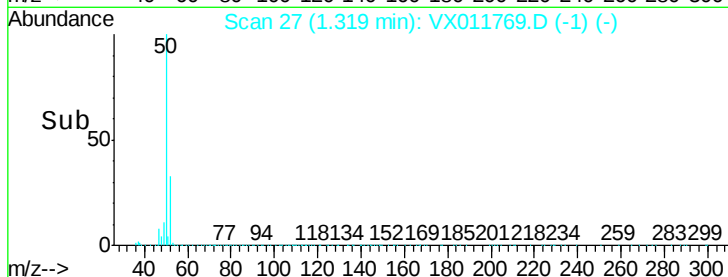
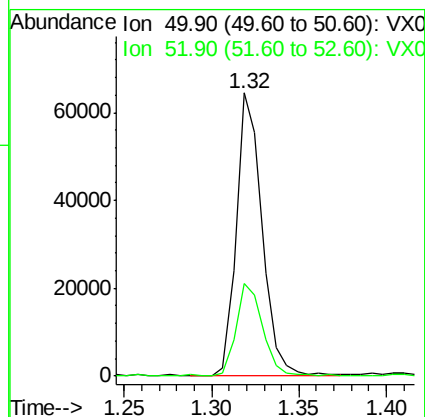
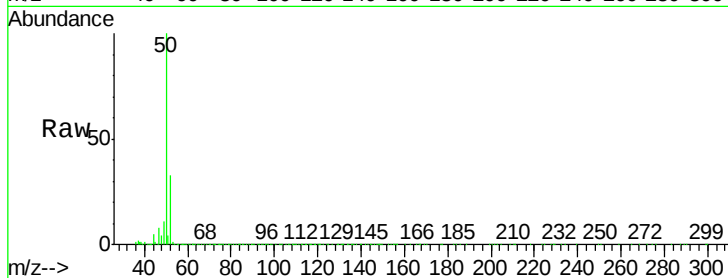
VX0822WBSD01

Manual Integrations

APPROVED

MMDadoda

8/23/2019 8:42:00 AM



#4

Vinyl Chloride

Concen: 19.280 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011769.D

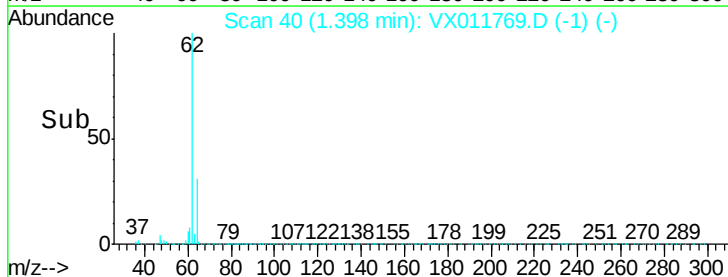
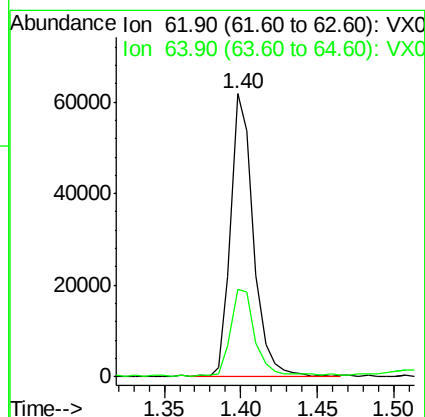
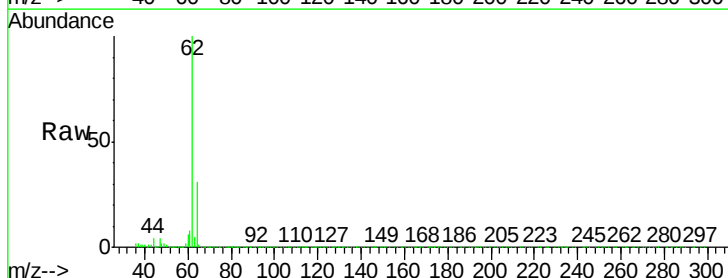
Acq: 22 Aug 2019 18:06

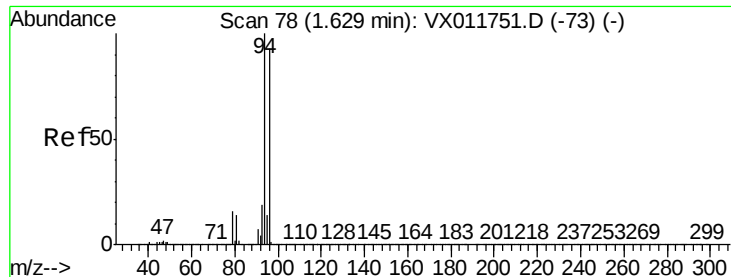
Tgt Ion: 62 Resp: 63440

Ion Ratio Lower Upper

62 100

64 30.5 25.5 38.3





#5

Bromomethane

Concen: 19.611 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBSD01

Tot Ion: 94 Resp: 35549

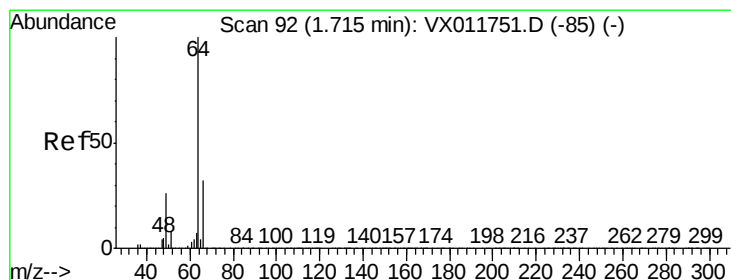
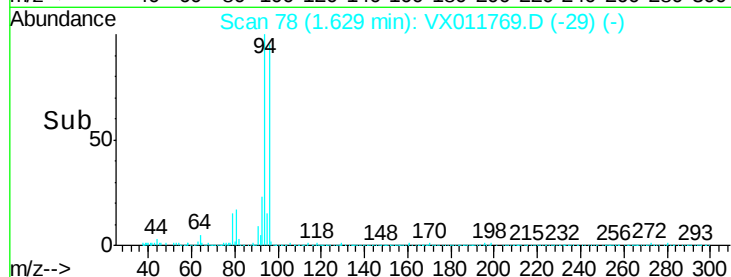
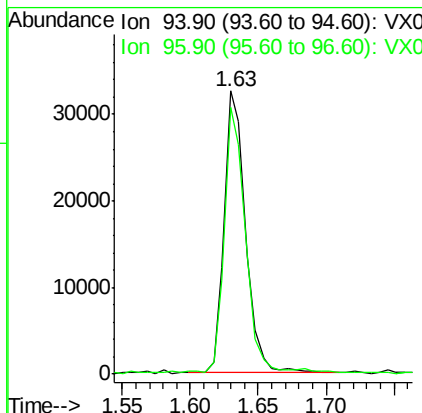
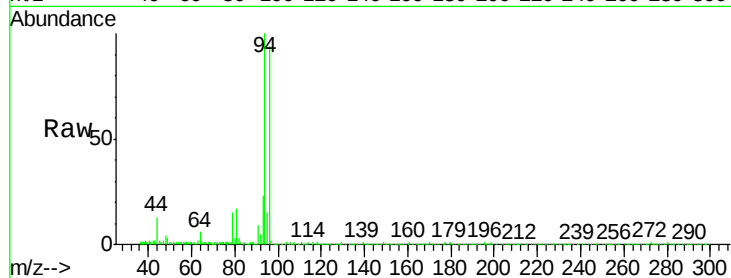
Ion Ratio Lower Upper

94 100

96 94.0 74.1 111.1

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:42:00 AM



#6

Chloroethane

Concen: 18.830 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011769.D

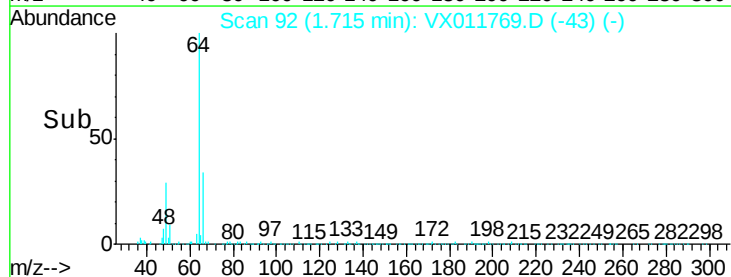
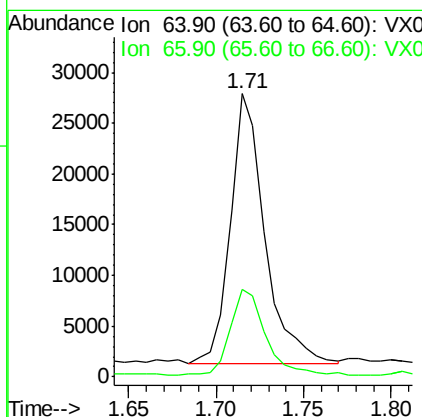
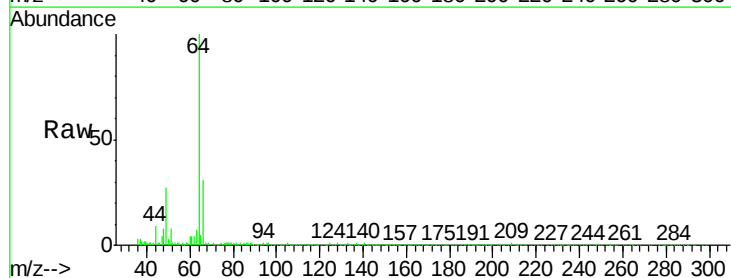
Acq: 22 Aug 2019 18:06

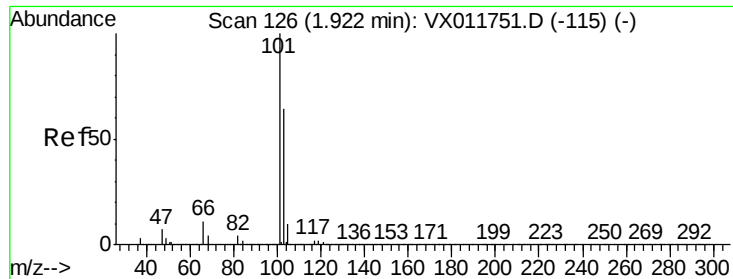
Tgt Ion: 64 Resp: 36226

Ion Ratio Lower Upper

64 100

66 31.6 24.9 37.3





#7

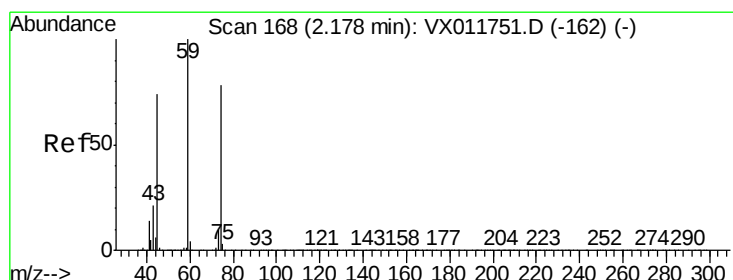
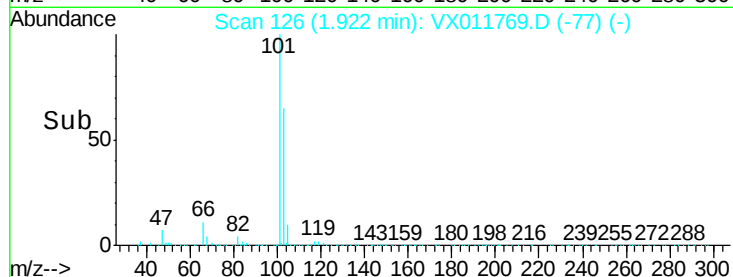
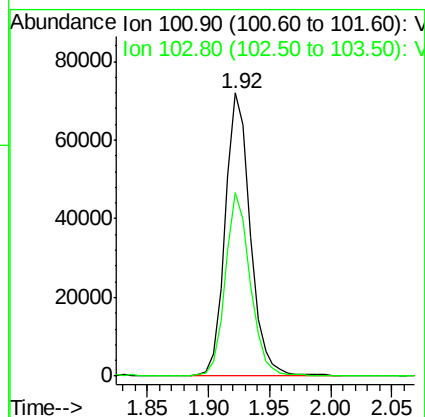
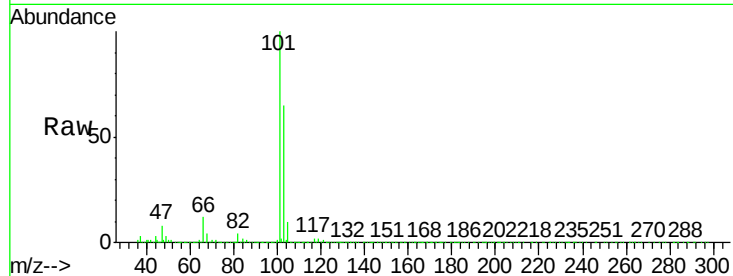
Trichlorofluoromethane
Concen: 19.320 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	101212		
103	64.7	51.2	76.8	

Manual Integrations
APPROVED

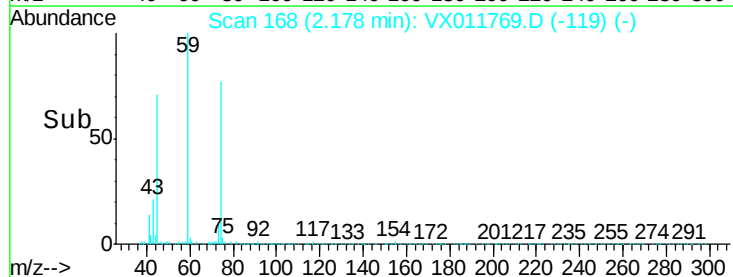
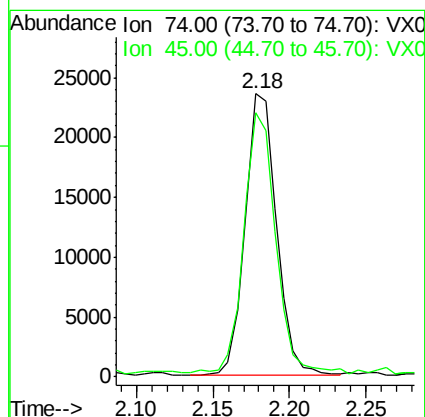
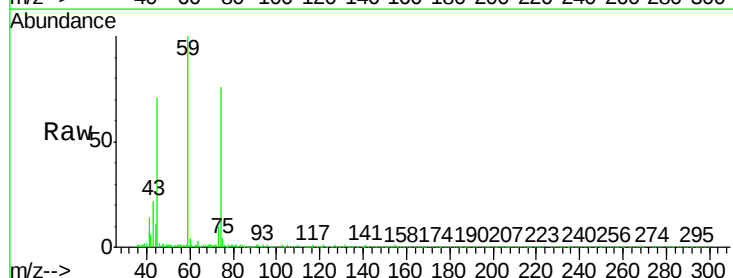
MMDadoda
8/23/2019 8:42:00 AM

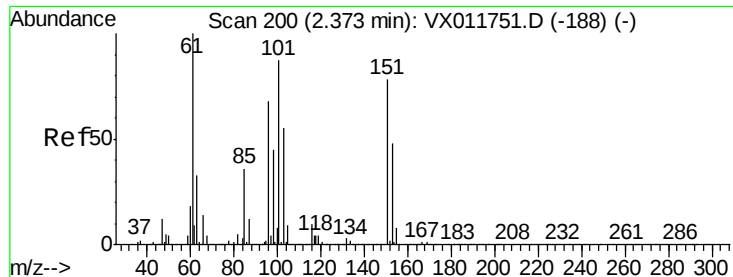


#8

Diethyl Ether
Concen: 18.820 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	33526		
45	93.2	46.7	140.0	





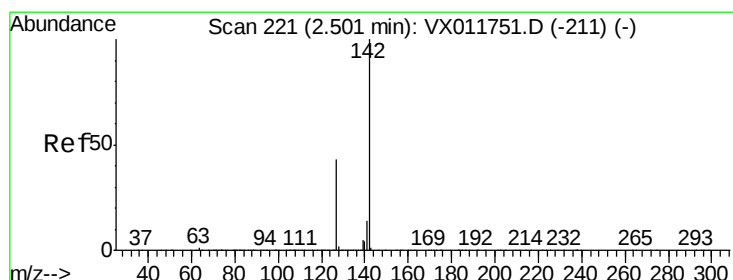
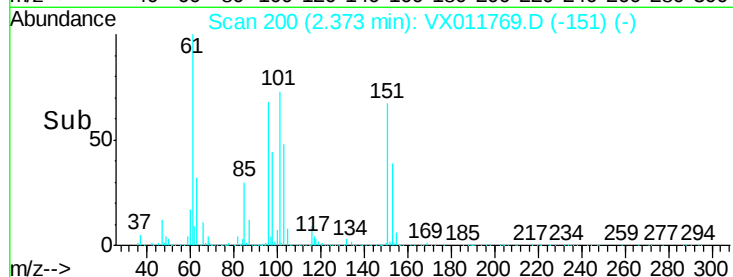
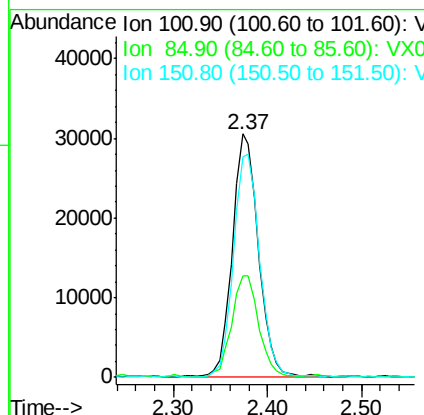
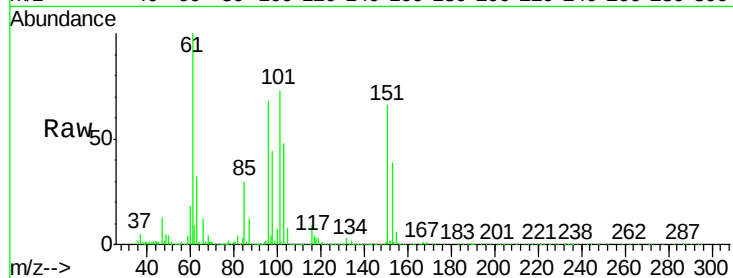
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.011 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX011769.D
 Acq: 22 Aug 2019 18:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	58389		
85	42.7		33.7	50.5
151	93.1		71.4	107.2

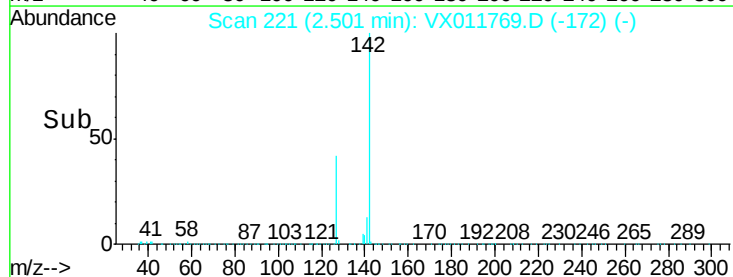
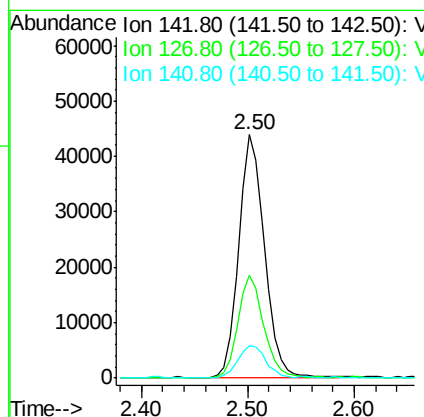
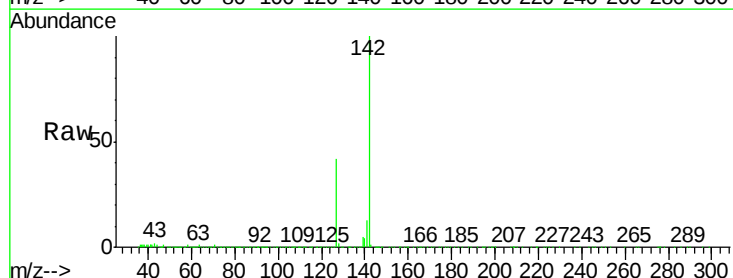
Manual Integrations
 APPROVED

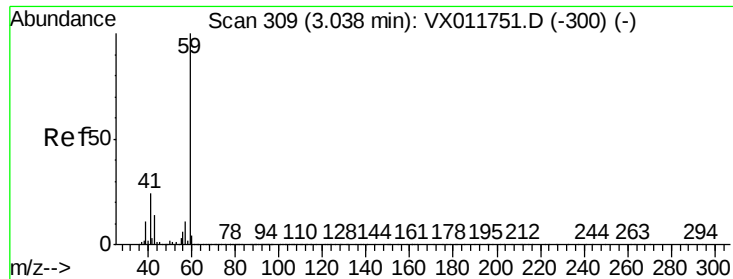
MMDadoda
 8/23/2019 8:42:00 AM



#10
 Methyl Iodide
 Concen: 18.970 ug/l
 RT: 2.50 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VX011769.D
 Acq: 22 Aug 2019 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	75113		
127	41.7		33.5	50.3
141	14.9		11.4	17.2





#11

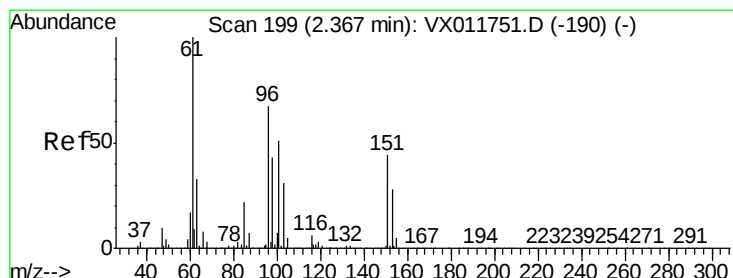
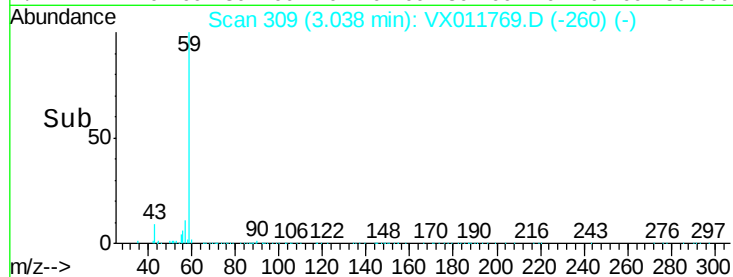
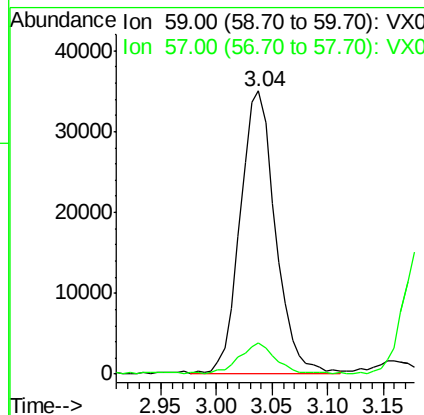
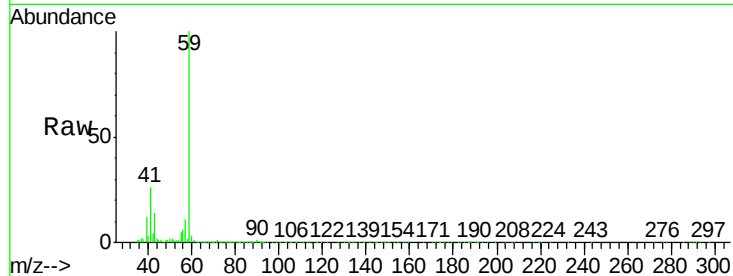
Tert butyl alcohol
Concen: 96.909 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.4	12.6

Manual Integrations
APPROVED

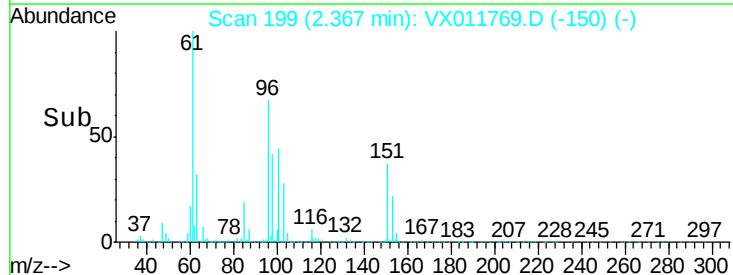
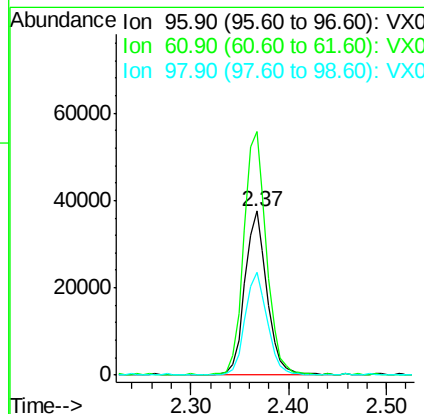
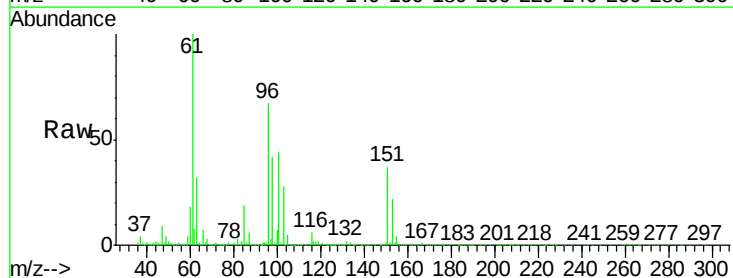
MMDadoda
8/23/2019 8:42:00 AM

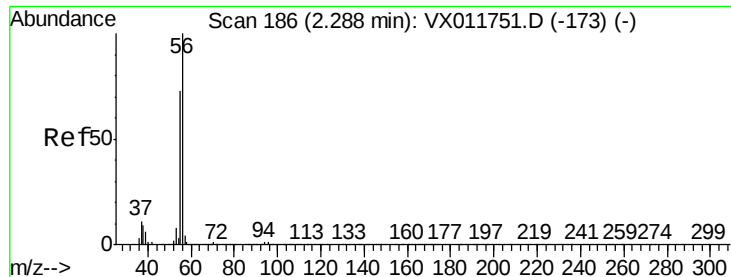


#12

1,1-Dichloroethene
Concen: 18.769 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.5	119.4	179.2
98	62.4	51.2	76.8





#13

Acrolein

Concen: 85.366 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBSD01

Tot Ion: 56 Resp: 26344

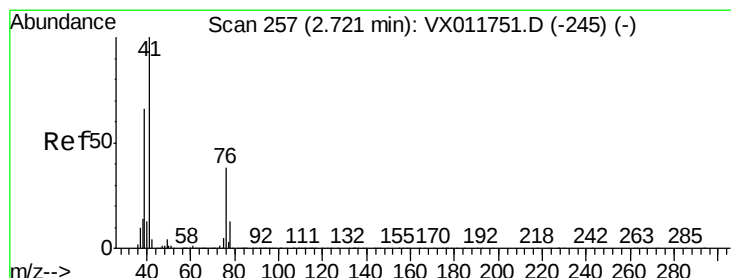
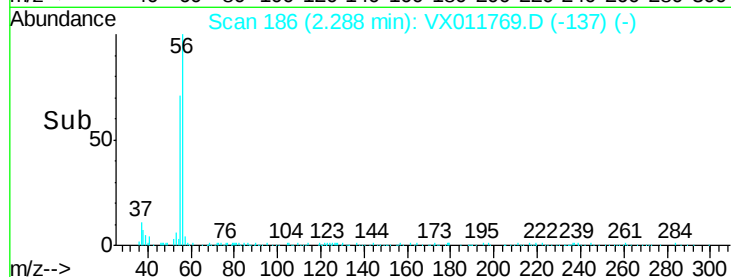
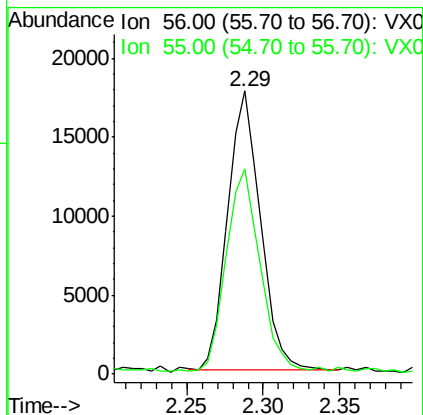
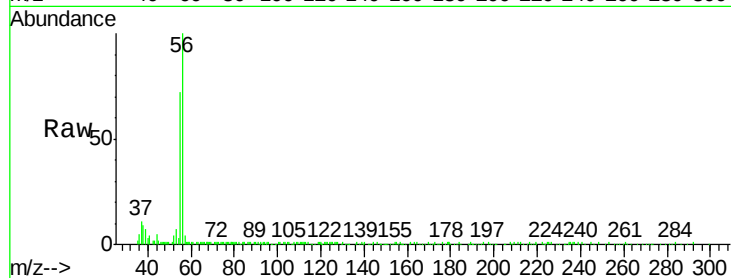
Ion Ratio Lower Upper

56 100

55 75.8 54.8 82.2

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:42:00 AM



#14

Allyl chloride

Concen: 18.550 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

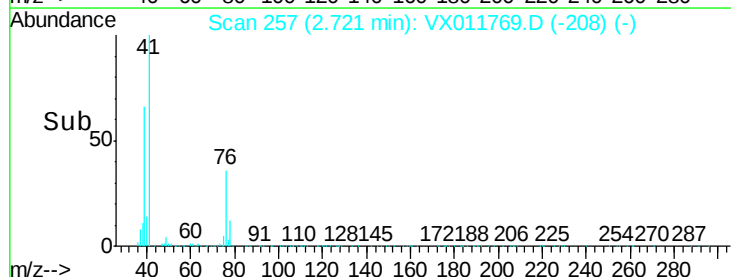
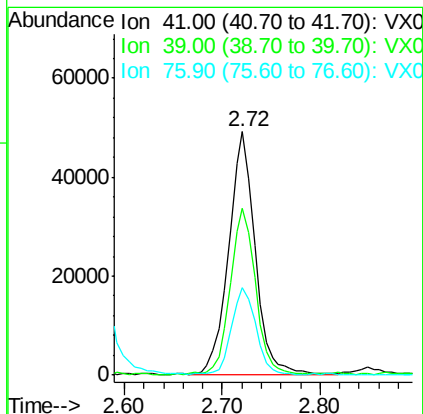
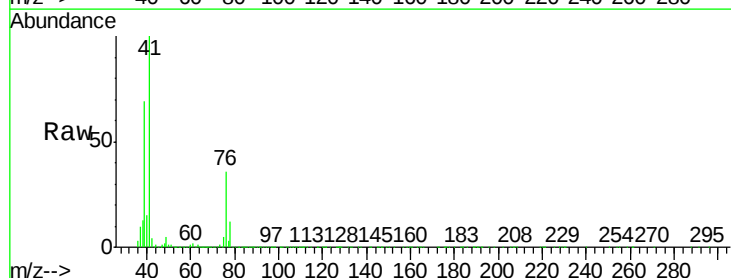
Tgt Ion: 41 Resp: 91649

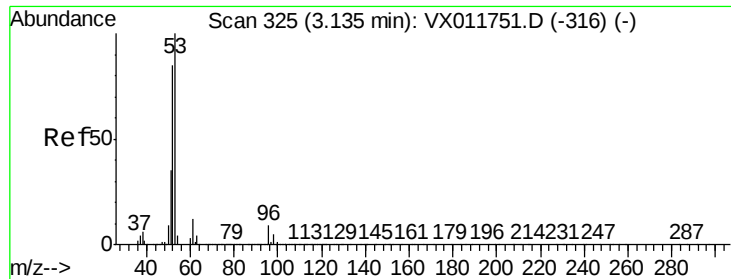
Ion Ratio Lower Upper

41 100

39 65.4 49.3 73.9

76 32.8 26.8 40.2





#15

Acrylonitrile

Concen: 97.972 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Instrument :

MSVOA_X

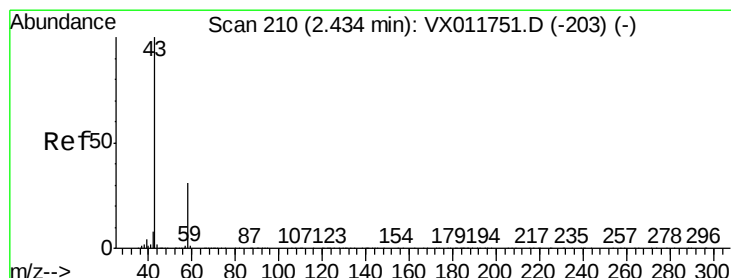
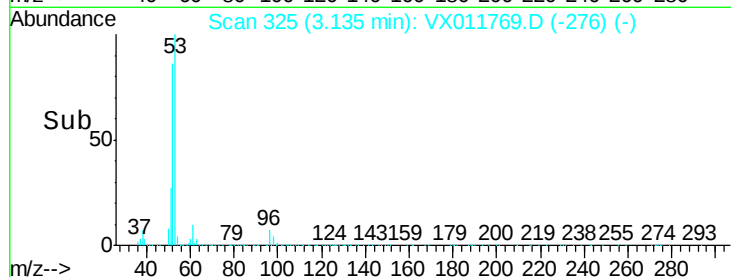
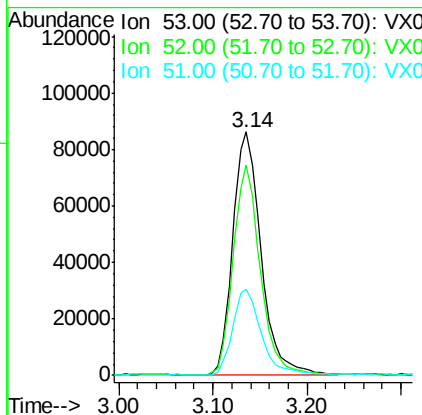
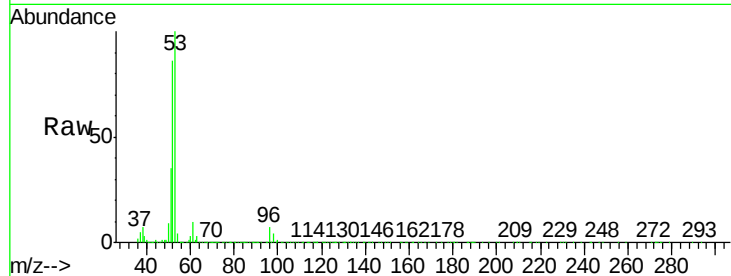
ClientSampleId :

VX0822WBSD01

Tot Ion:	53	Resp:	178898
Ion Ratio		Lower	Upper
53	100		
52	83.6	65.7	98.5
51	35.8	28.6	43.0

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:42:00 AM



#16

Acetone

Concen: 84.857 ug/l

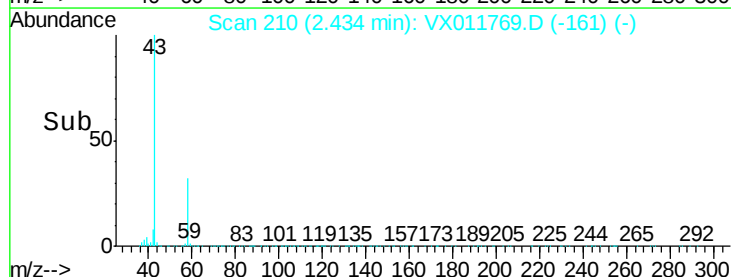
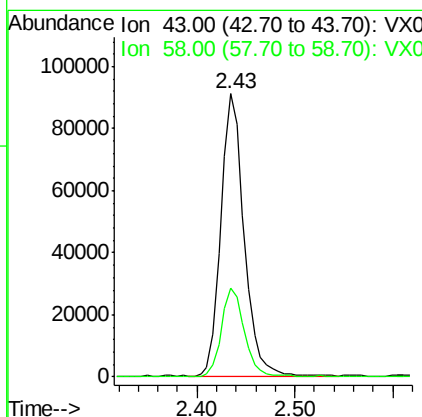
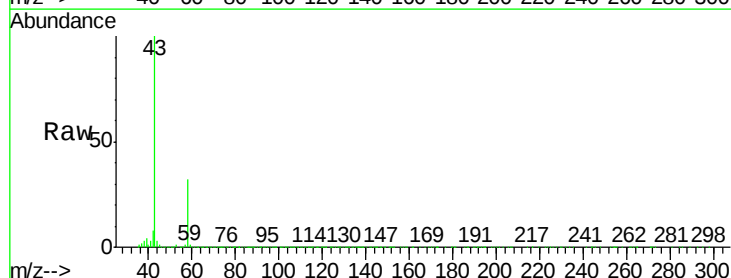
RT: 2.43 min Scan# 210

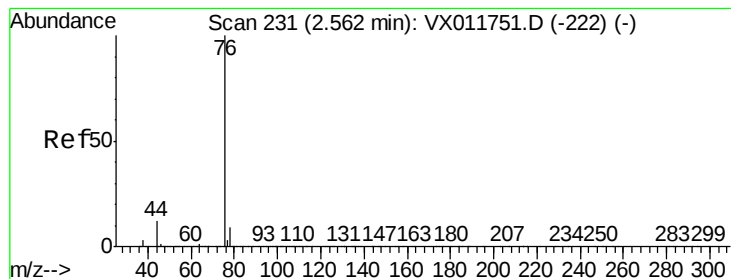
Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Tgt Ion:	43	Resp:	149132
Ion Ratio		Lower	Upper
43	100		
58	31.5	24.4	36.6





#17

Carbon Disulfide

Concen: 17.989 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBSD01

Tot Ion: 76 Resp: 143772

Ion Ratio Lower Upper

76 100

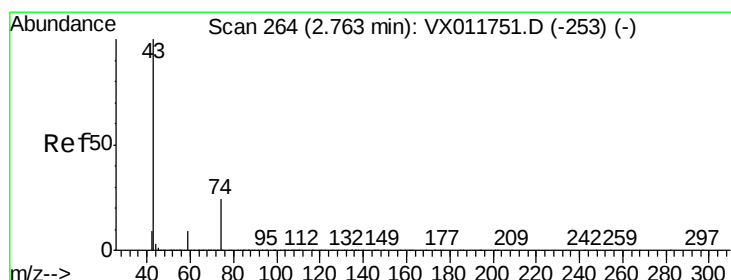
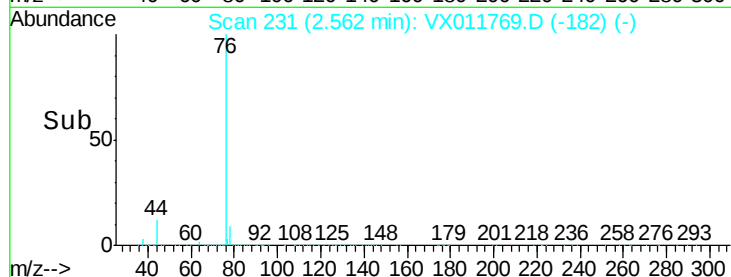
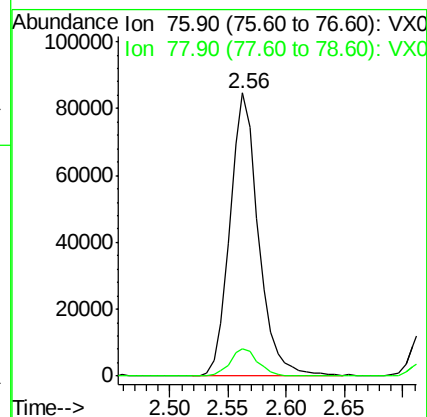
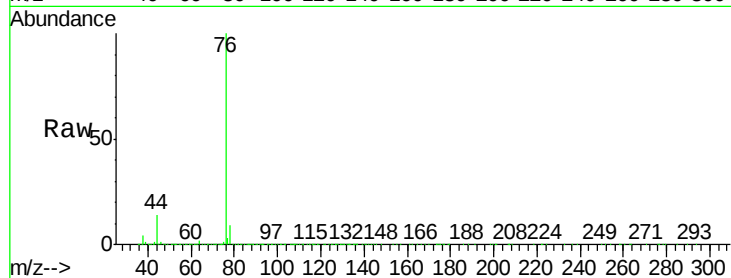
78 9.3 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

8/23/2019 8:42:00 AM



#18

Methyl Acetate

Concen: 20.488 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011769.D

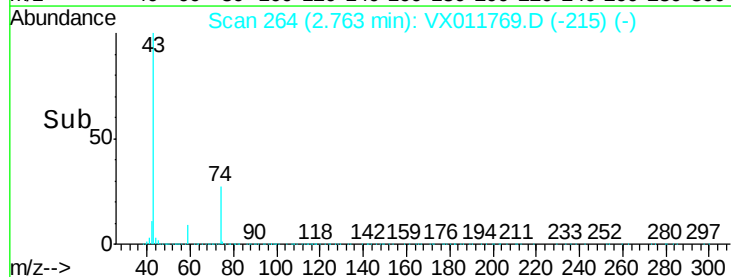
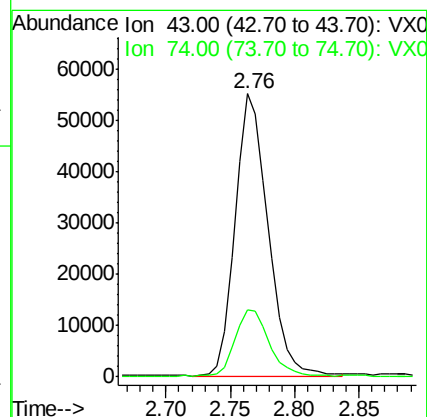
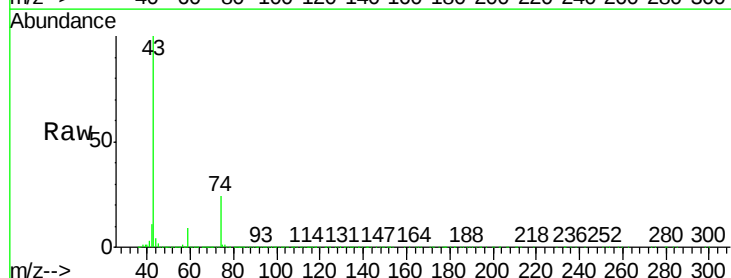
Acq: 22 Aug 2019 18:06

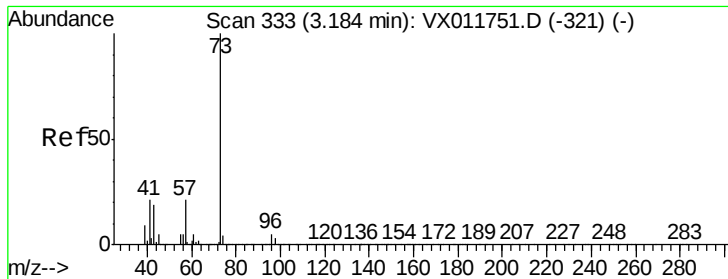
Tgt Ion: 43 Resp: 97702

Ion Ratio Lower Upper

43 100

74 24.3 19.5 29.3





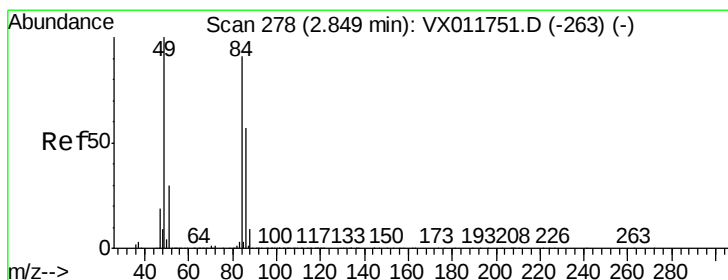
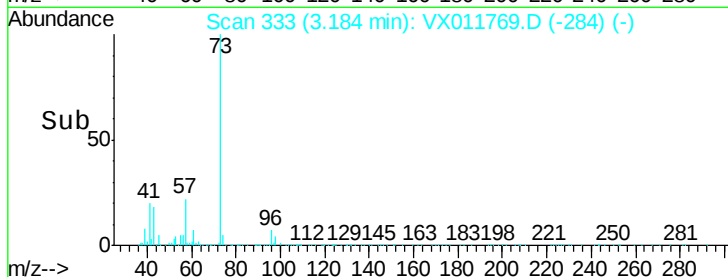
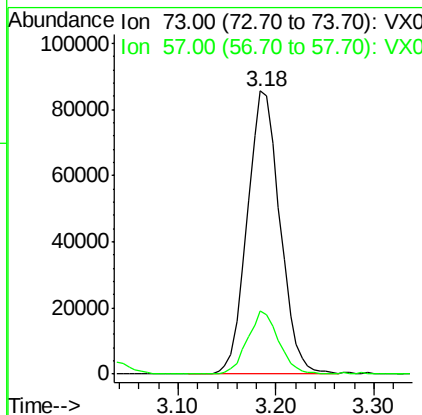
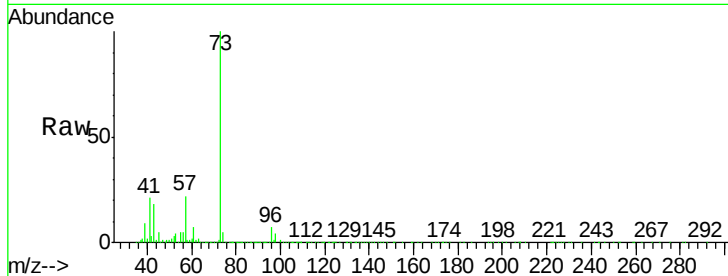
#19
Methvl tert-butvl Ether
Concen: 19.527 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	16.4	24.6

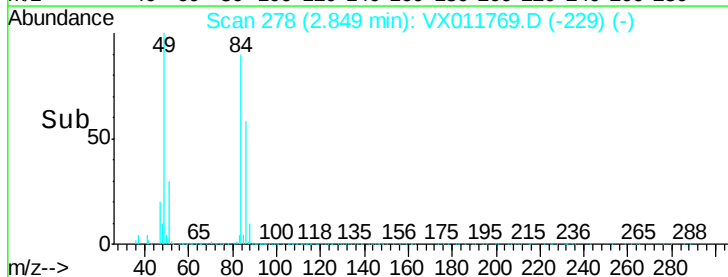
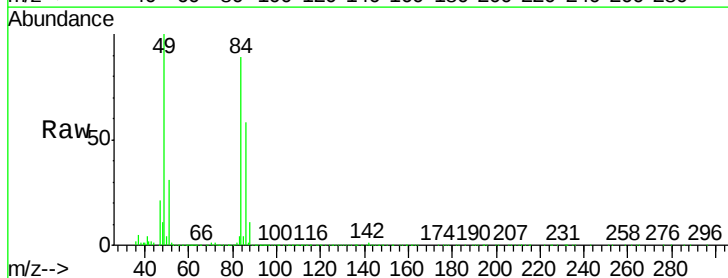
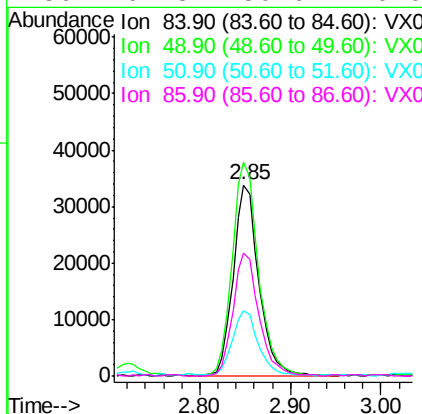
Manual Integrations
APPROVED

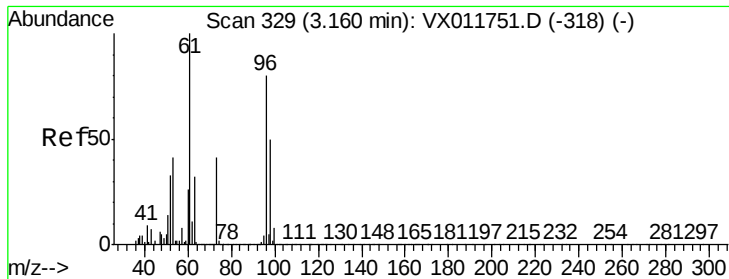
MMDadoda
8/23/2019 8:42:00 AM



#20
Methylene Chloride
Concen: 18.575 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.3	88.3	132.5
51	33.6	26.2	39.2
86	64.3	50.6	76.0





#21

trans-1,2-Dichloroethene

Concen: 18.936 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Instrument :

MSVOA_X

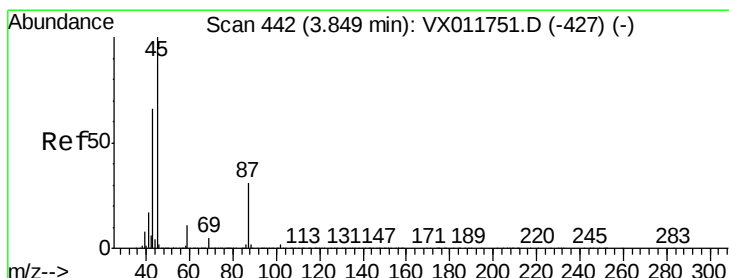
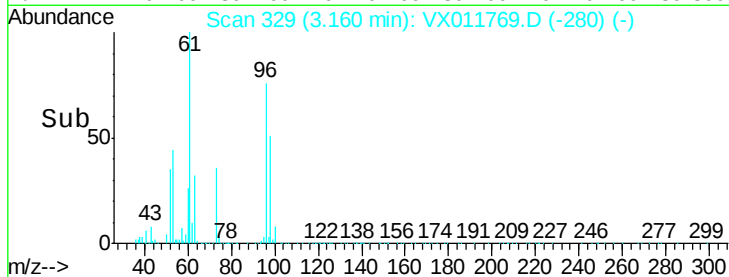
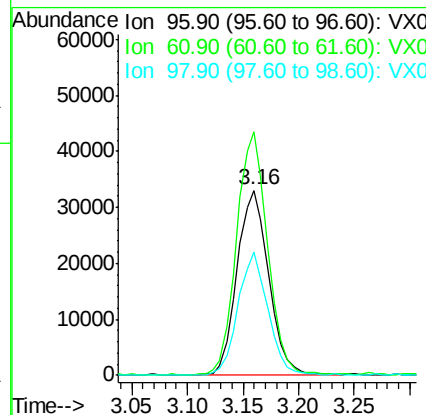
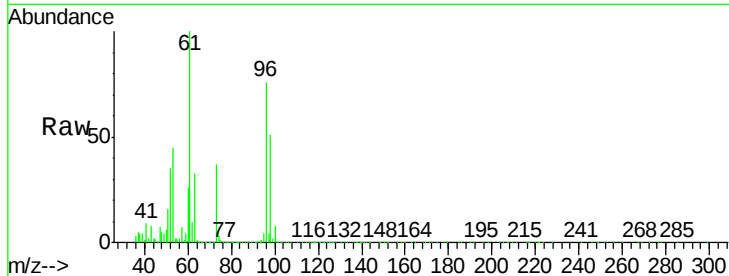
ClientSampleId :

VX0822WBSD01

Tot Ion:	96	Resp:	64561
Ion Ratio	Lower	Upper	
96	100		
61	131.7	99.8	149.8
98	66.8	50.3	75.5

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:42:00 AM



#22

Diisopropyl ether

Concen: 20.037 ug/l

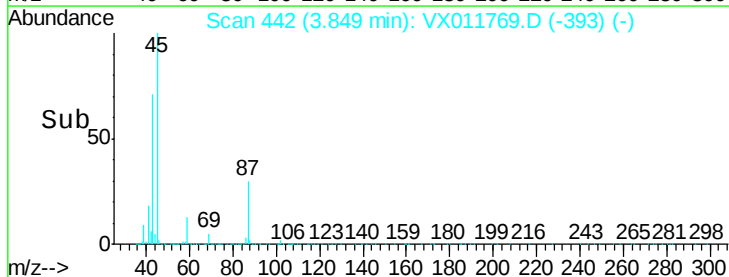
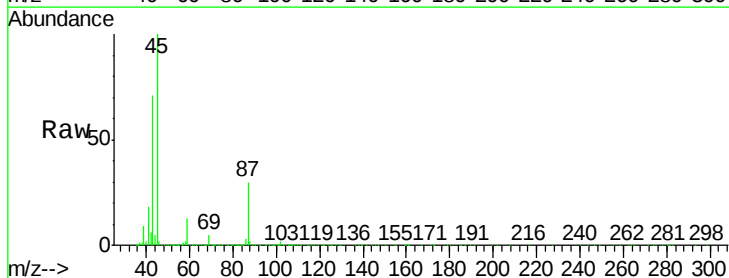
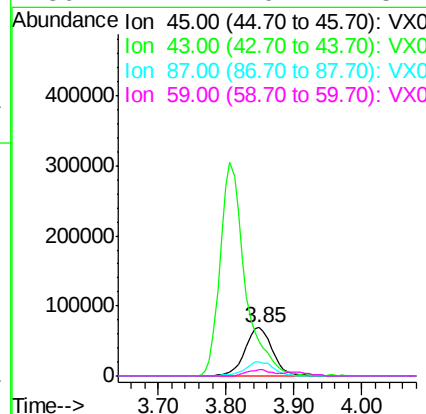
RT: 3.85 min Scan# 442

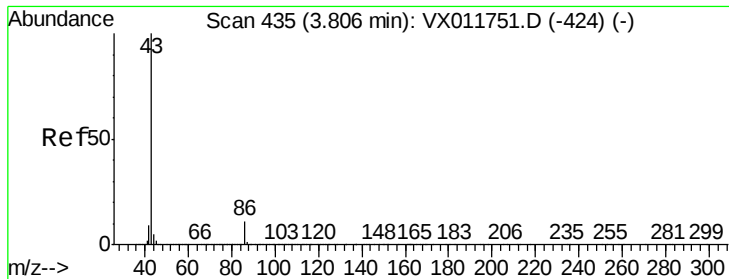
Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Tgt Ion:	45	Resp:	191966
Ion Ratio	Lower	Upper	
45	100		
43	70.3	53.0	79.6
87	30.5	24.7	37.1
59	12.4	9.1	13.7





#23

Vinyl Acetate

Concen: 98.882 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBSD01

Tot Ion: 43 Resp: 784360

Ion Ratio Lower Upper

43 100

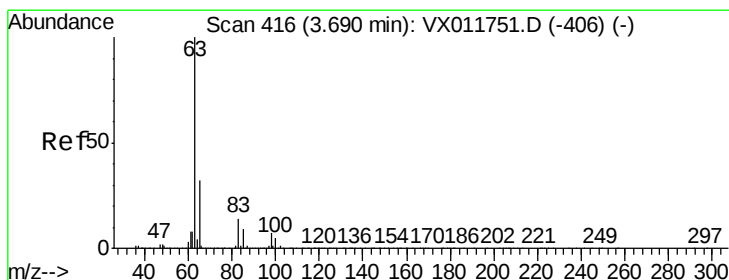
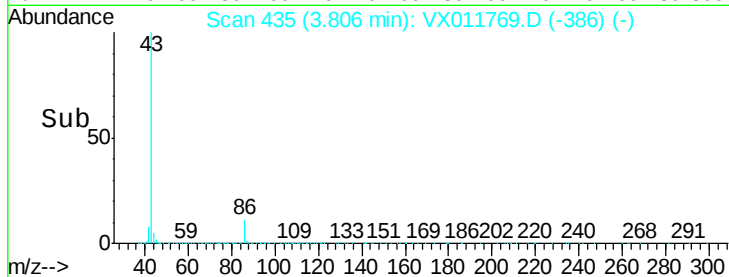
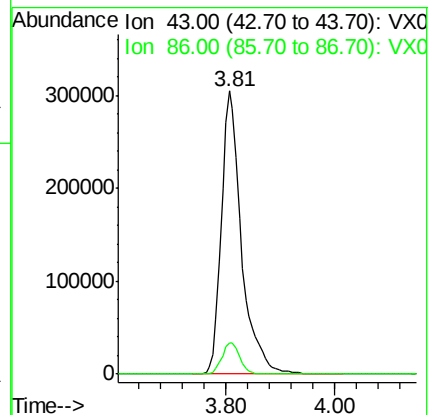
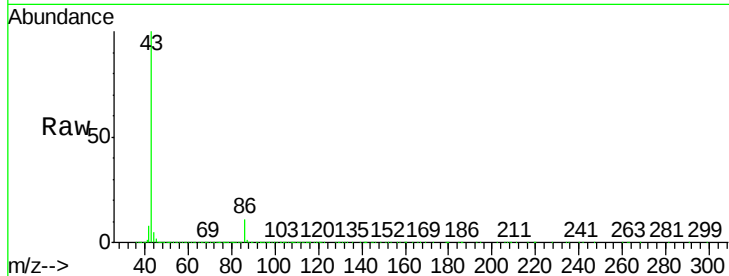
86 10.8 9.2 13.8

Manual Integrations

APPROVED

MMDadoda

8/23/2019 8:42:00 AM



#24

1,1-Dichloroethane

Concen: 19.364 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

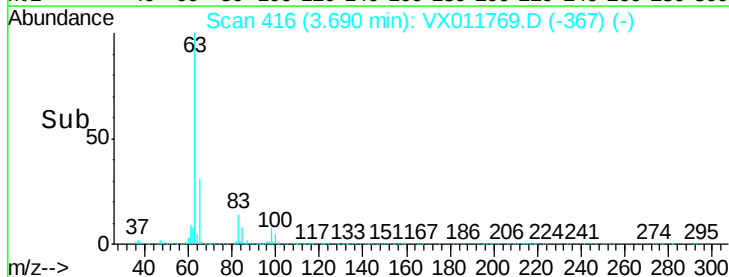
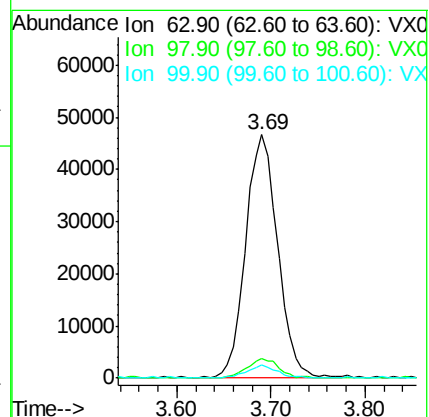
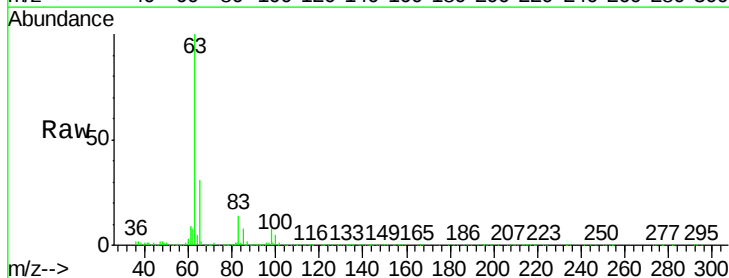
Tgt Ion: 63 Resp: 109536

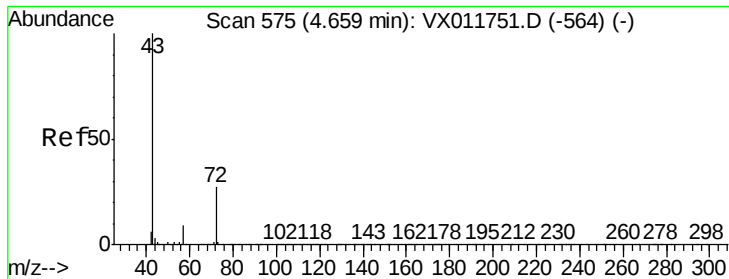
Ion Ratio Lower Upper

63 100

98 7.7 3.7 11.1

100 5.1 2.3 6.9





#25

2-Butanone

Concen: 97.507 ug/l

RT: 4.66 min Scan# 575

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Tot Ion: 43 Resp: 245970

Ion Ratio Lower Upper

43 100

72 27.3 21.8 32.6

Instrument :

MSVOA_X

ClientSampleId :

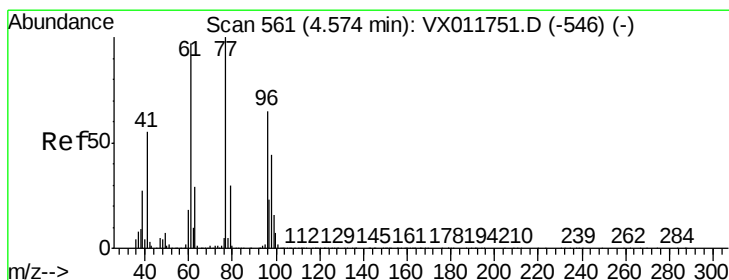
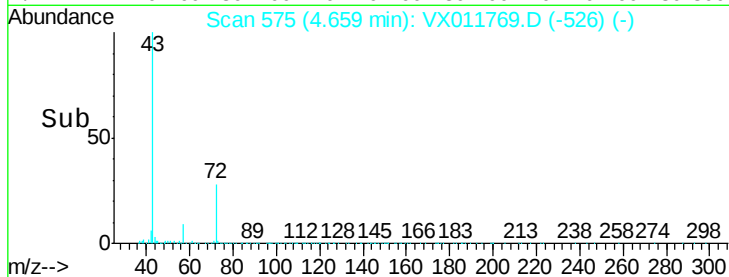
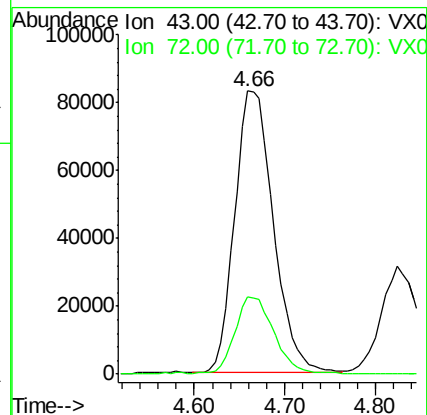
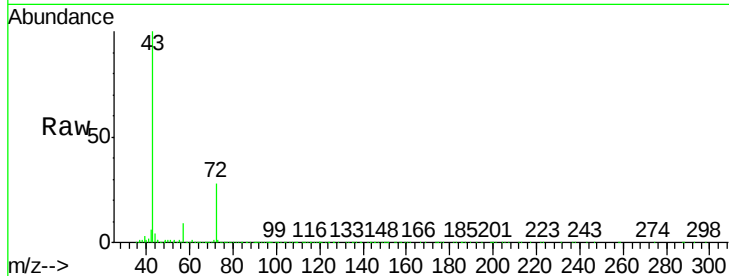
VX0822WBSD01

Manual Integrations

APPROVED

MMDadoda

8/23/2019 8:42:00 AM



#26

2,2-Dichloropropane

Concen: 16.262 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX011769.D

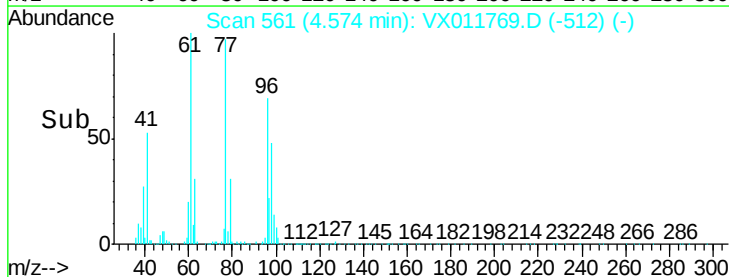
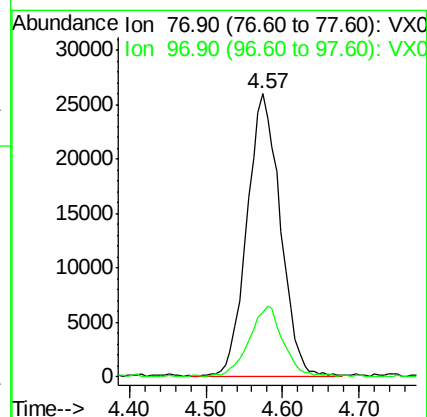
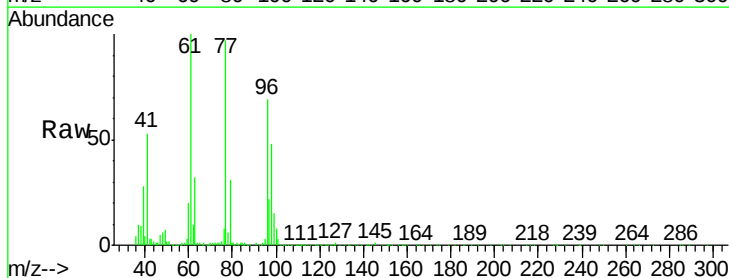
Acq: 22 Aug 2019 18:06

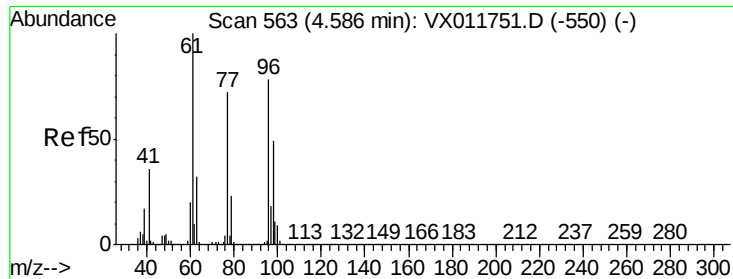
Tgt Ion: 77 Resp: 78116

Ion Ratio Lower Upper

77 100

97 25.9 12.2 36.6





#27

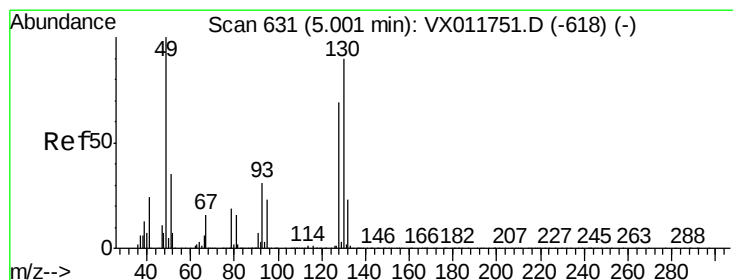
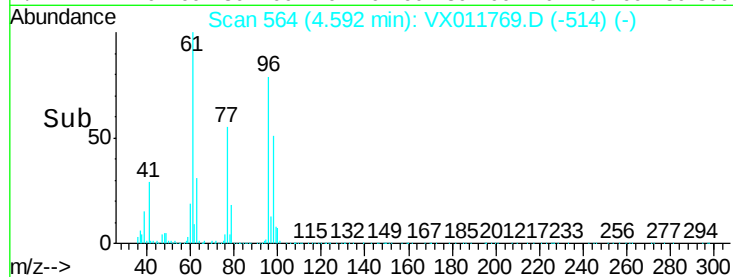
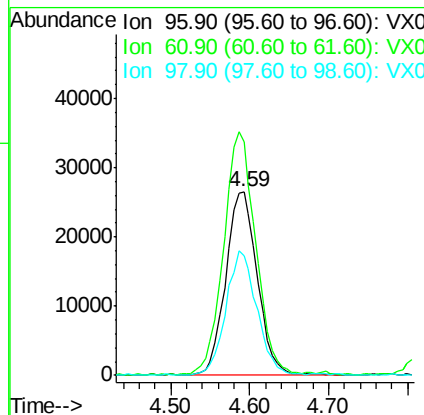
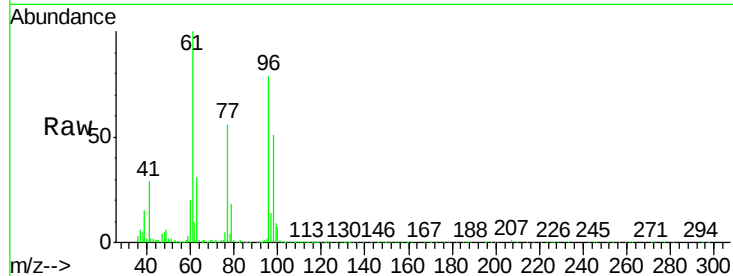
cis-1,2-Dichloroethene
Concen: 18.688 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.01 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.6	0.0	275.8
98	66.5	0.0	128.2

Manual Integrations
APPROVED

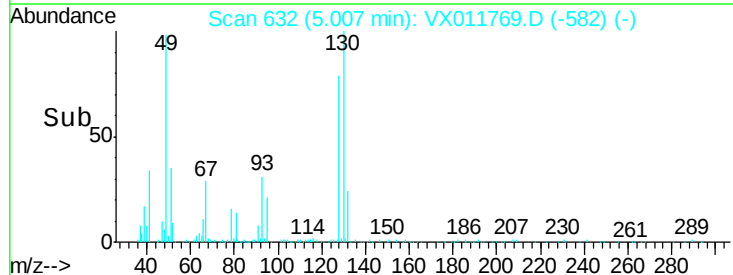
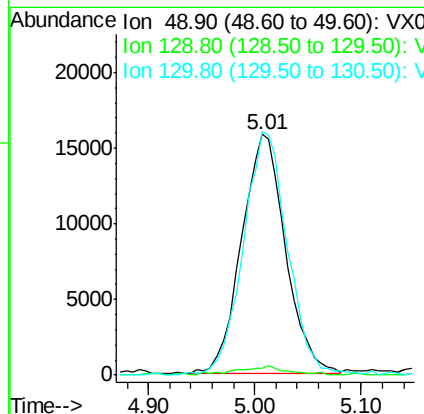
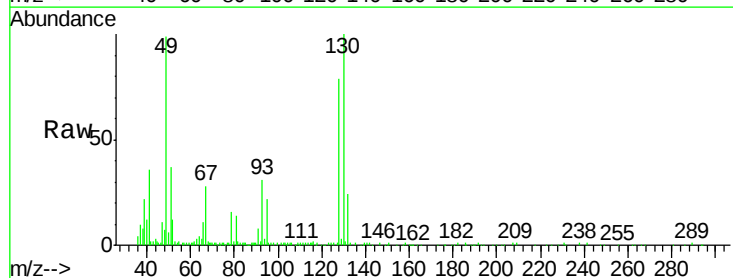
MMDadoda
8/23/2019 8:42:00 AM

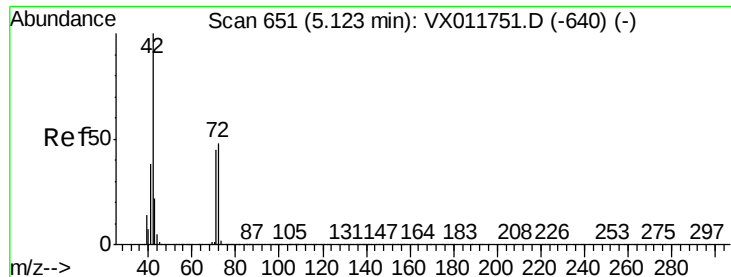


#28

Bromochloromethane
Concen: 17.865 ug/l
RT: 5.01 min Scan# 632
Delta R.T. 0.01 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.7	0.0	5.8
130	102.1	76.8	115.2





#29

Tetrahydrofuran

Concen: 99.197 ug/l

RT: 5.12 min Scan# 651

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Instrument :

MSVOA_X

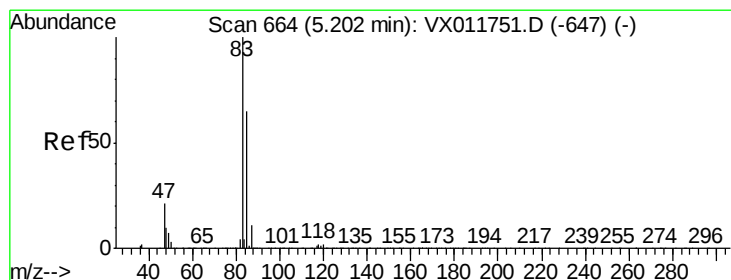
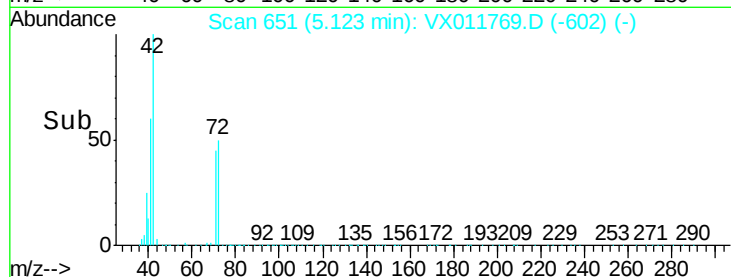
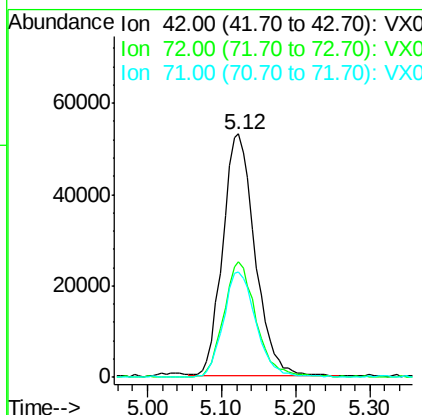
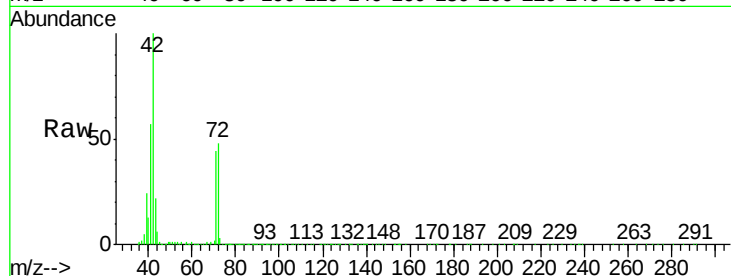
ClientSampleId :

VX0822WBSD01

Tot Ion:	42	Resp:	160405
Ion	Ratio	Lower	Upper
42	100		
72	47.6	37.6	56.4
71	43.6	34.6	51.8

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:42:00 AM



#30

Chloroform

Concen: 19.305 ug/l

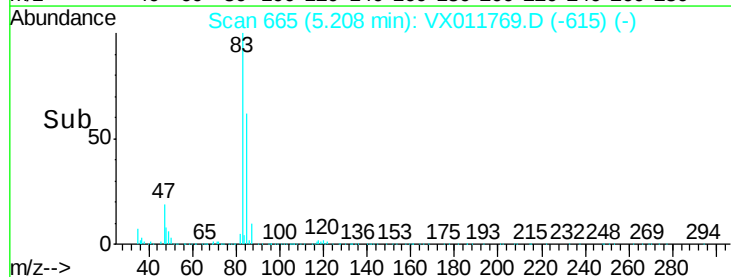
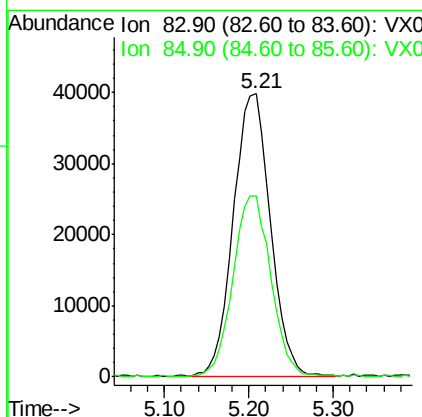
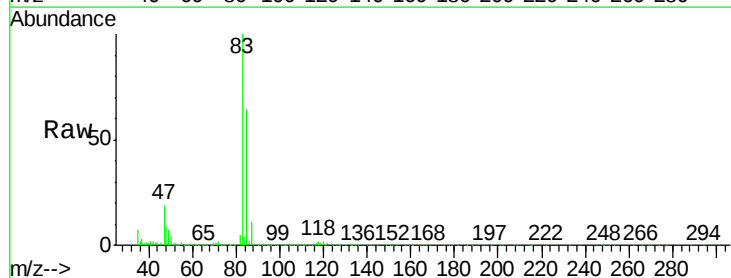
RT: 5.21 min Scan# 665

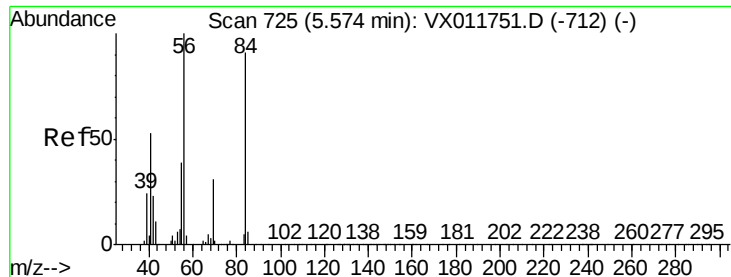
Delta R.T. 0.01 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Tgt Ion:	83	Resp:	118476
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.8





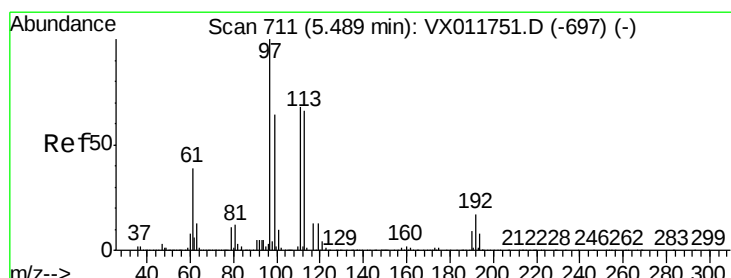
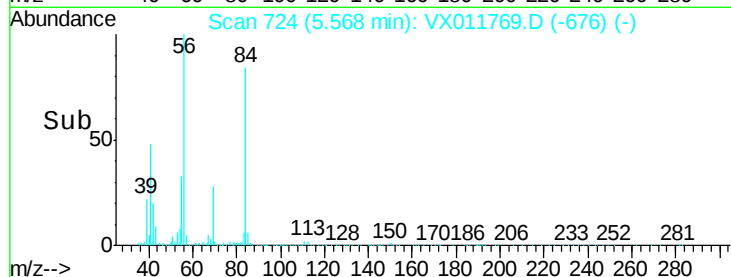
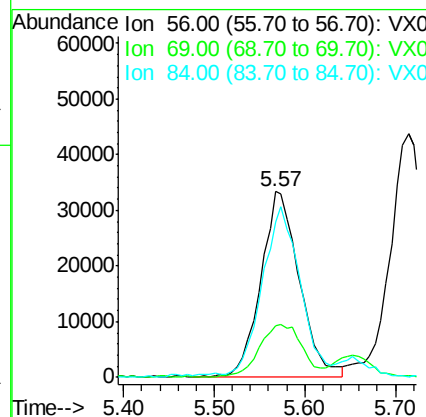
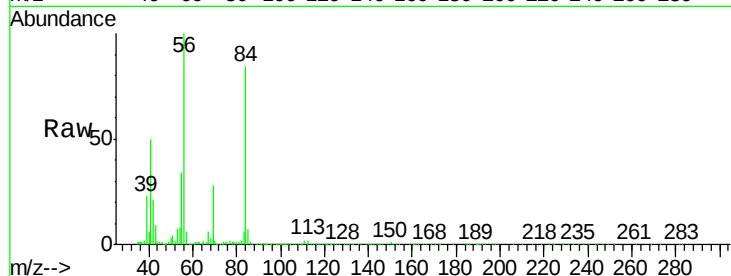
#31
Cyclohexane
Concen: 19.534 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.3	24.5	36.7
84	82.8	72.7	109.1

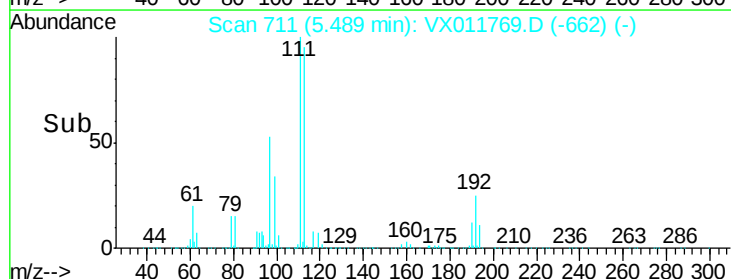
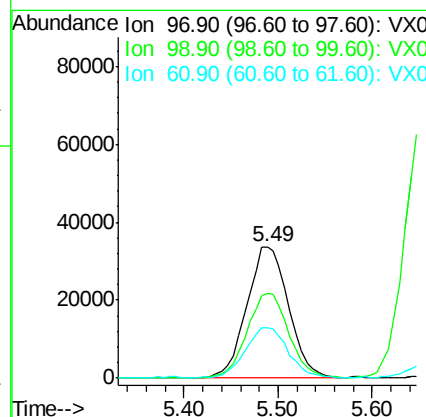
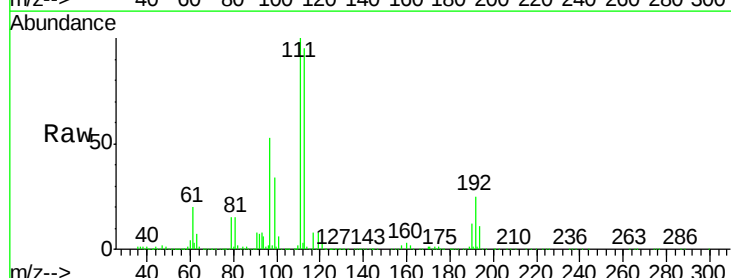
Manual Integrations
APPROVED

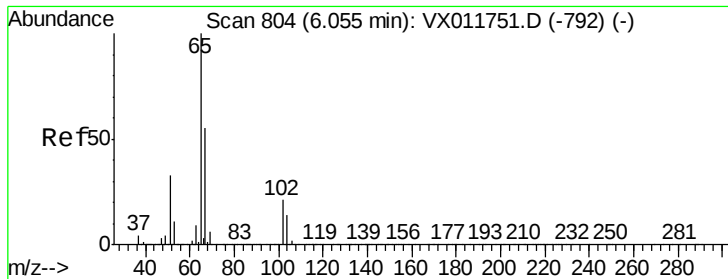
MMDadoda
8/23/2019 8:42:00 AM



#32
1,1,1-Trichloroethane
Concen: 19.646 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.4	77.0
61	38.6	31.6	47.4





#33

1,2-Dichloroethane-d4

Concen: 48.887 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBSD01

Tot Ion: 65 Resp: 197507

Ion Ratio Lower Upper

65 100

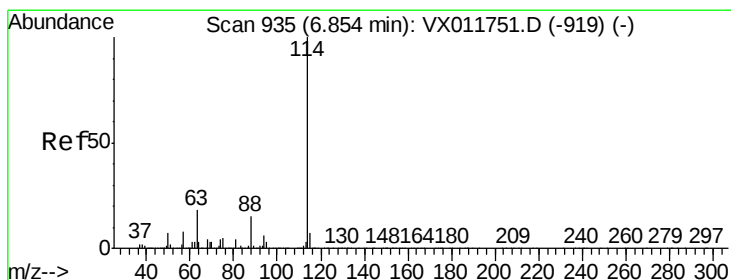
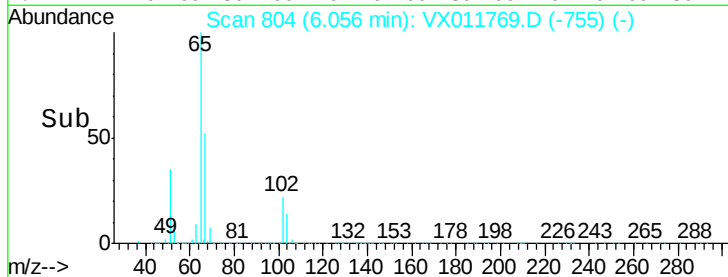
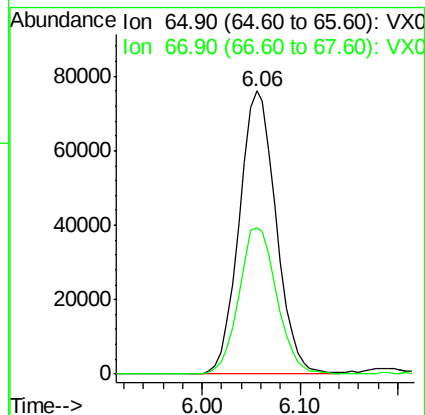
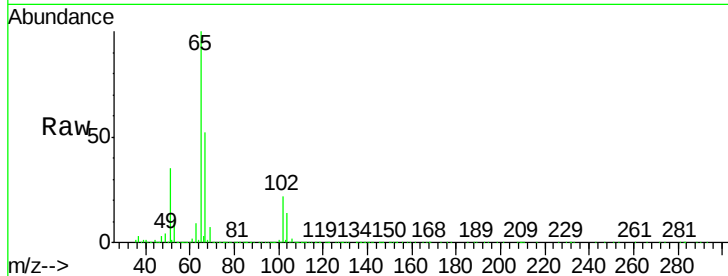
67 53.2 0.0 107.8

Manual Integrations

APPROVED

MMDadoda

8/23/2019 8:42:00 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

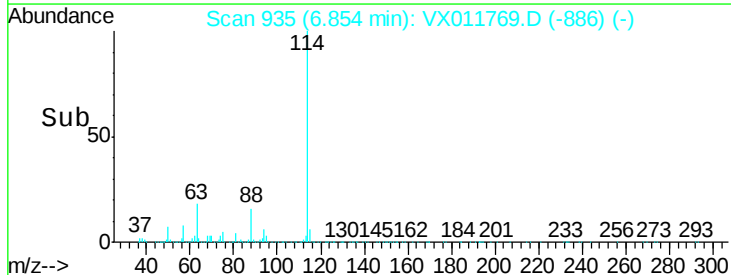
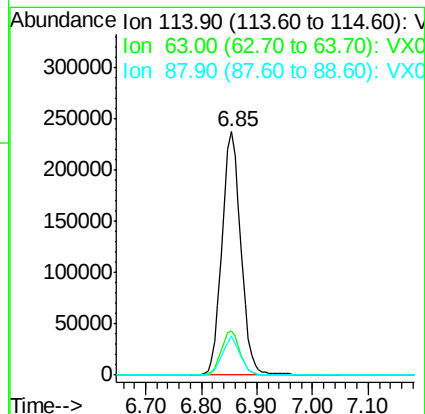
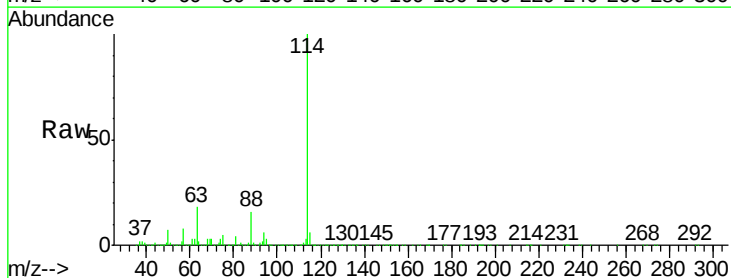
Tgt Ion: 114 Resp: 557124

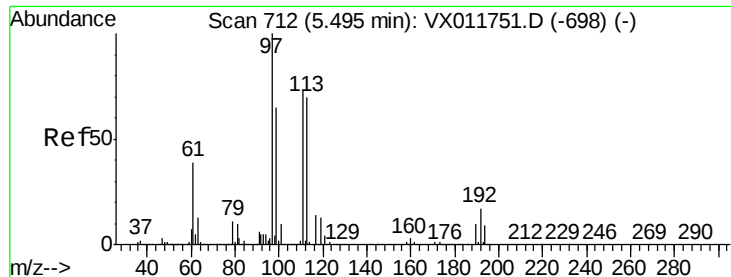
Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.8

88 15.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.386 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Instrument :

MSVOA_X

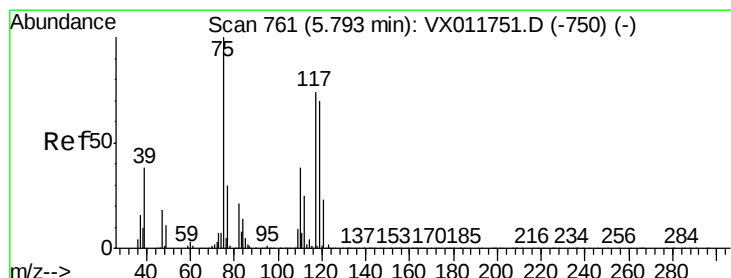
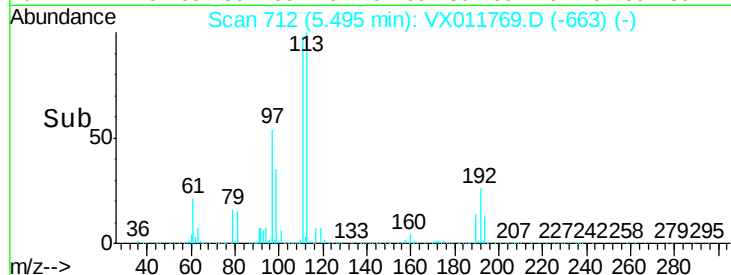
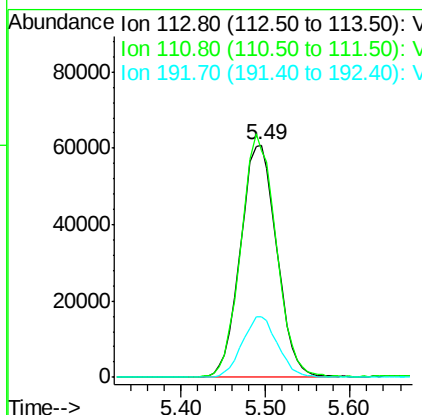
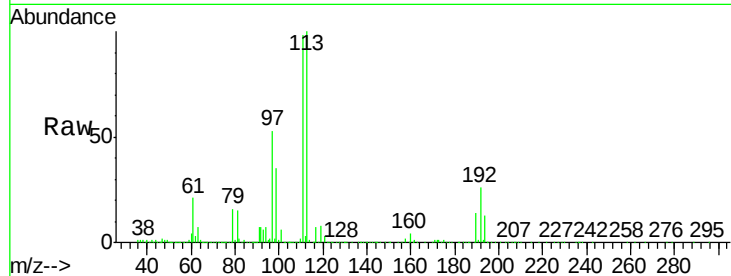
ClientSampleId :

VX0822WBSD01

Tot Ion:	113	Resp:	177918
Ion Ratio	Lower	Upper	
113	100		
111	100.6	81.0	121.4
192	25.3	19.9	29.9

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:42:00 AM



#36

1,1-Dichloropropene

Concen: 19.304 ug/l

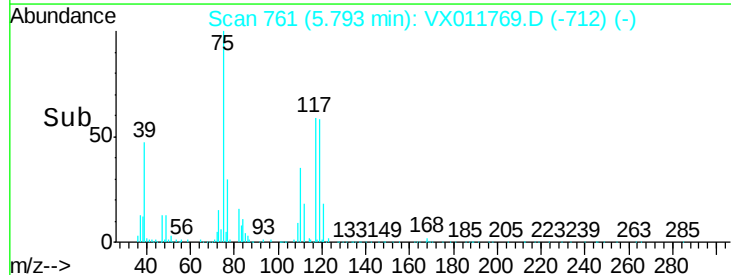
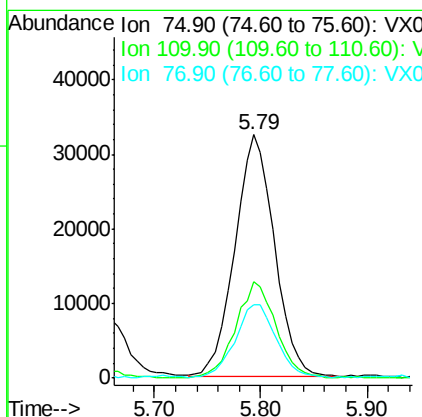
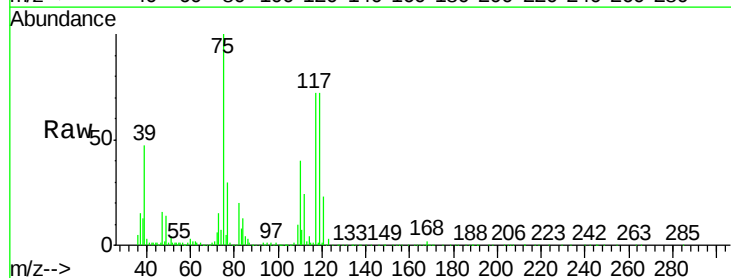
RT: 5.79 min Scan# 761

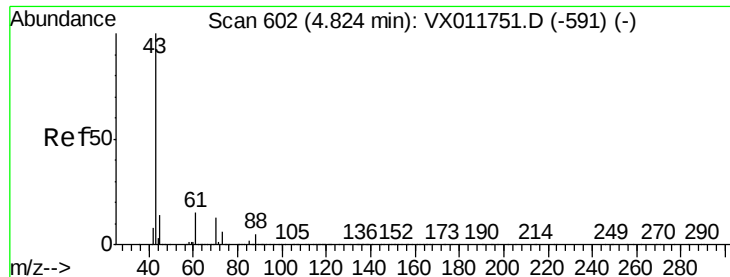
Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Tgt Ion:	75	Resp:	84336
Ion Ratio	Lower	Upper	
75	100		
110	40.6	19.0	57.0
77	31.0	24.6	36.8





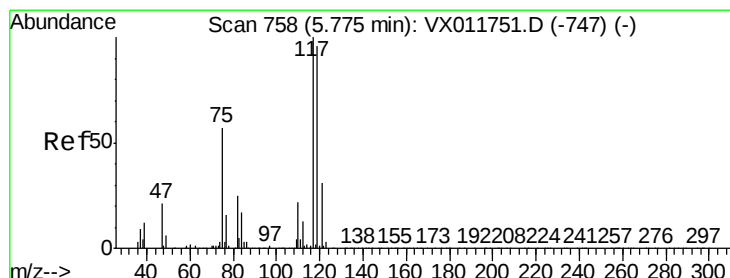
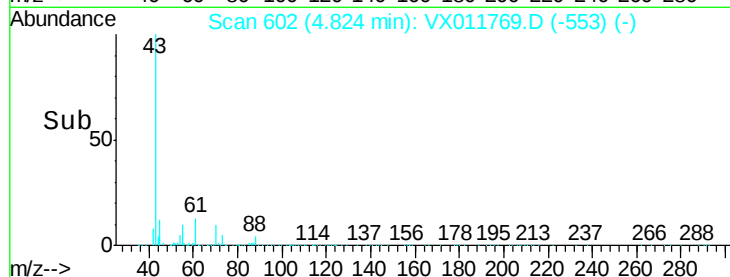
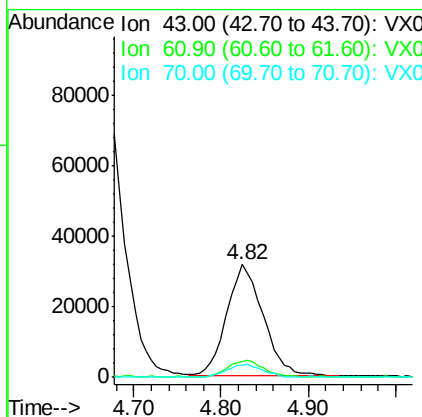
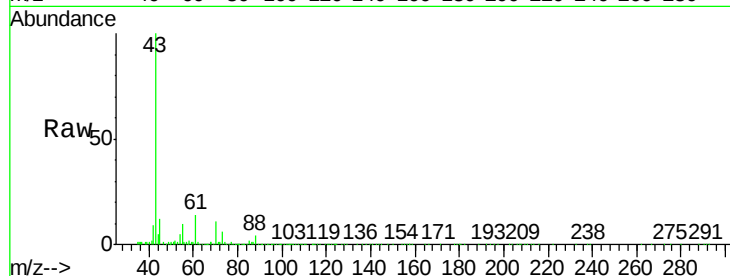
#37
Ethyl Acetate
Concen: 19.843 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.5	17.3
70	11.5	9.5	14.3

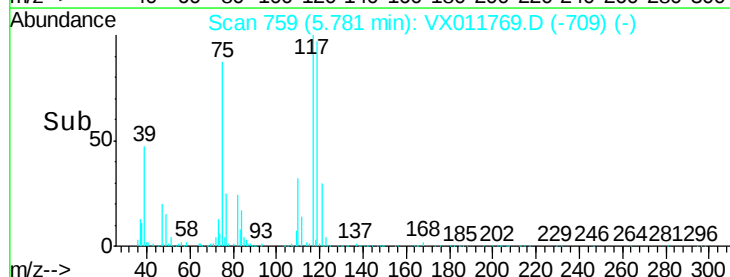
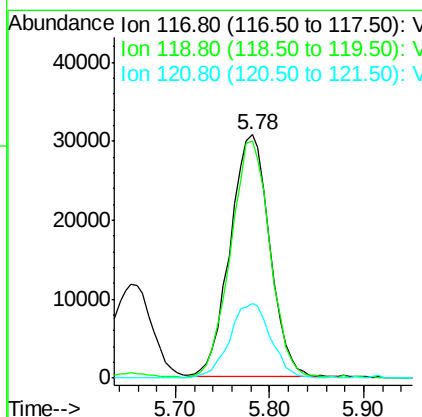
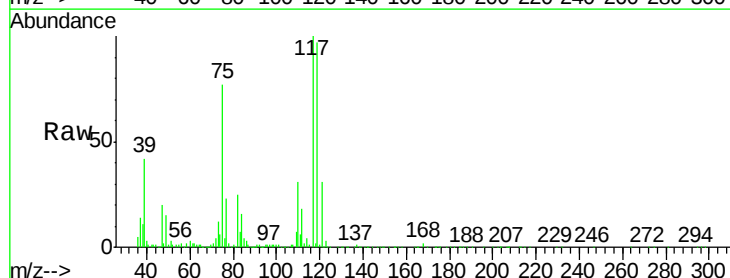
Manual Integrations
APPROVED

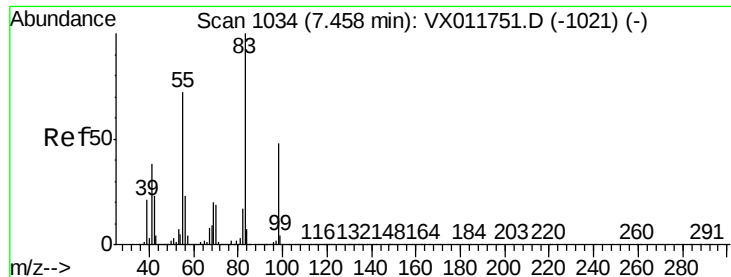
MMDadoda
8/23/2019 8:42:00 AM



#38
Carbon Tetrachloride
Concen: 18.232 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.01 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.6	114.8
121	30.7	25.2	37.8





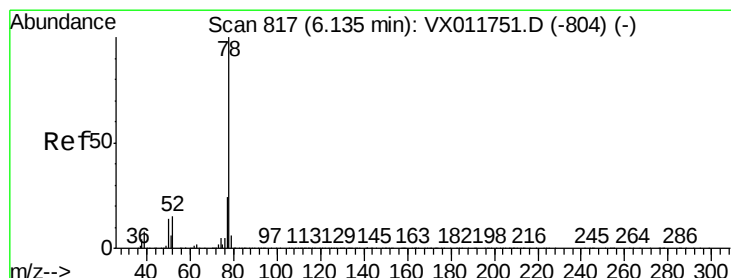
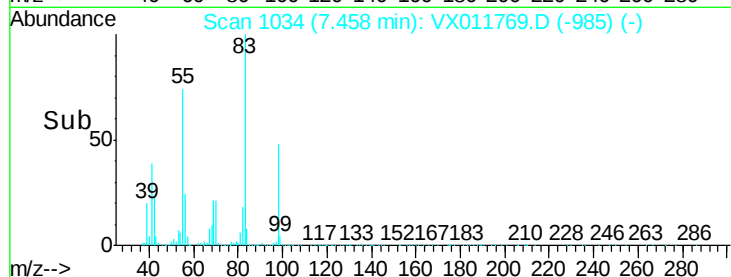
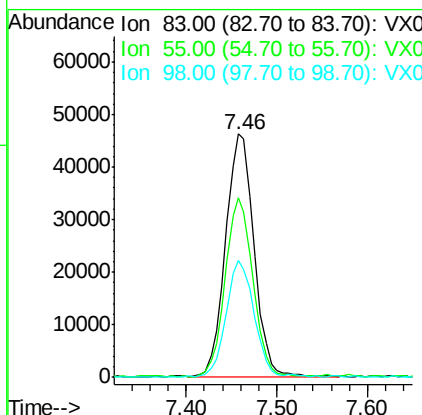
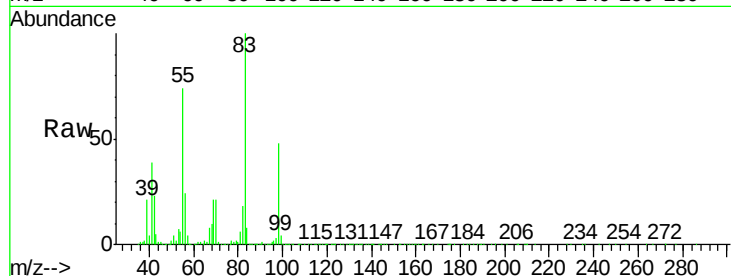
#39
Methylvlcyclohexane
Concen: 18.609 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.4	57.8	86.6
98	47.6	38.6	58.0

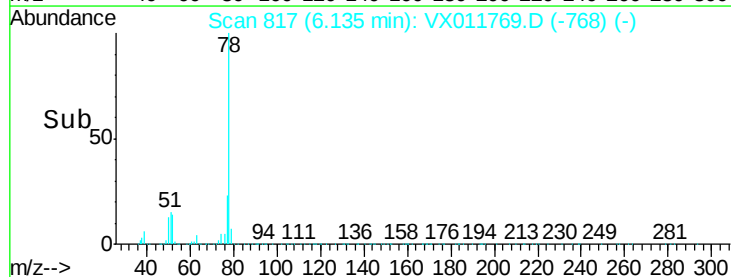
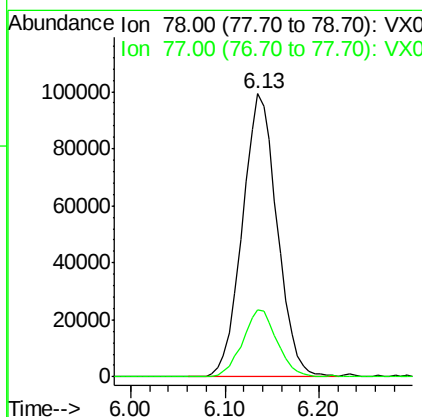
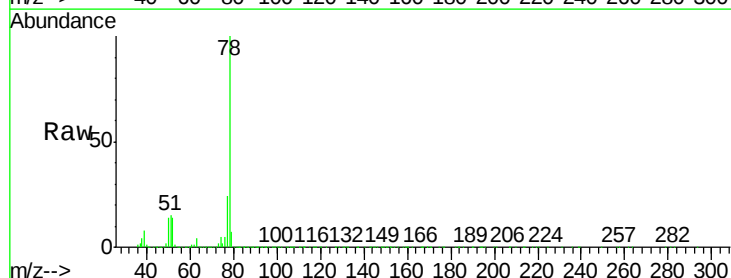
Manual Integrations
APPROVED

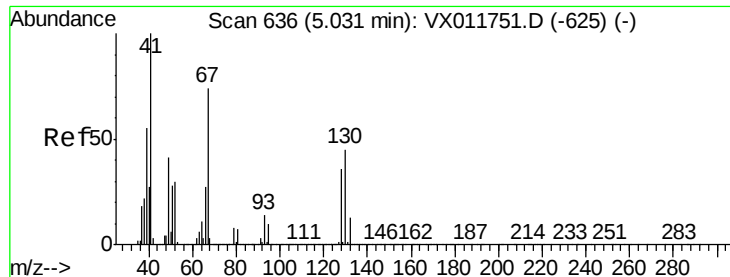
MMDadoda
8/23/2019 8:42:00 AM



#40
Benzene
Concen: 18.915 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7





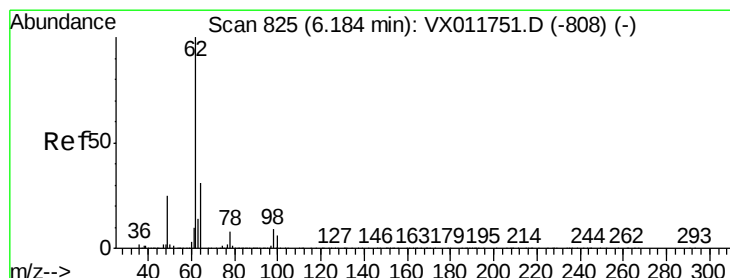
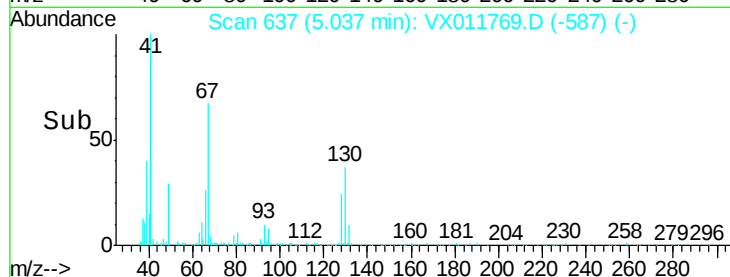
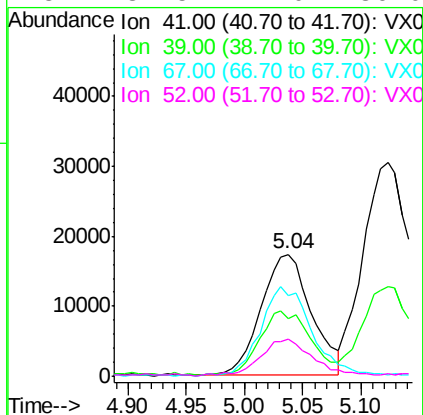
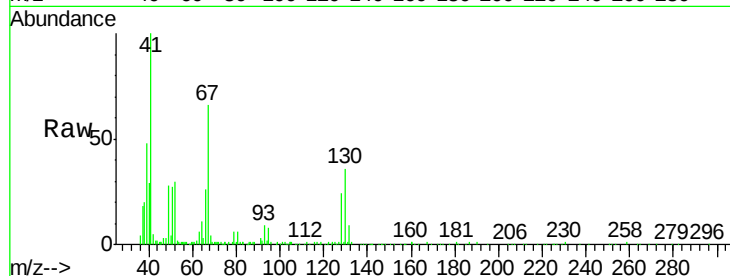
#41
Methacrylonitrile
Concen: 19.205 ug/l
RT: 5.04 min Scan# 637
Delta R.T. 0.01 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBSD01

Tot Ion:	41	Resp:	51640
Ion	Ratio	Lower	Upper
41	100		
39	53.2	44.3	66.5
67	75.5	60.3	90.5
52	32.5	24.0	36.0

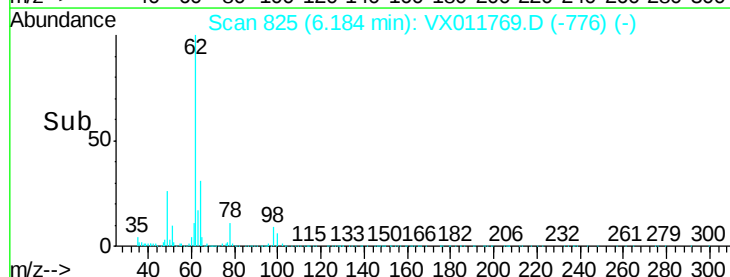
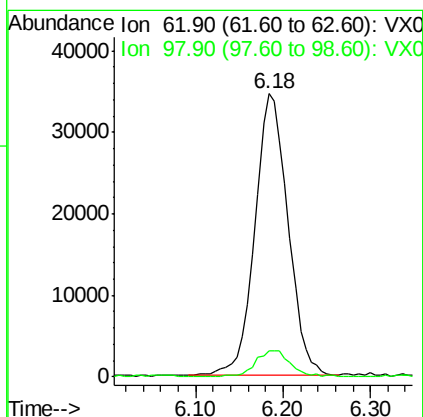
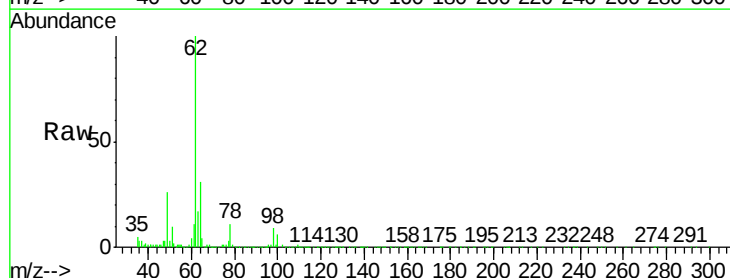
Manual Integrations
APPROVED

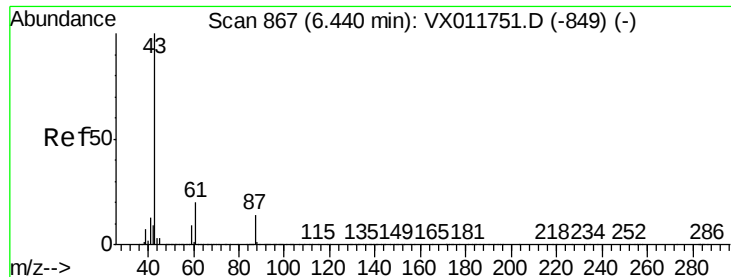
MMDadoda
8/23/2019 8:42:00 AM



#42
1,2-Dichloroethane
Concen: 18.390 ug/l
RT: 6.18 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Tgt Ion:	62	Resp:	90853
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.8





#43

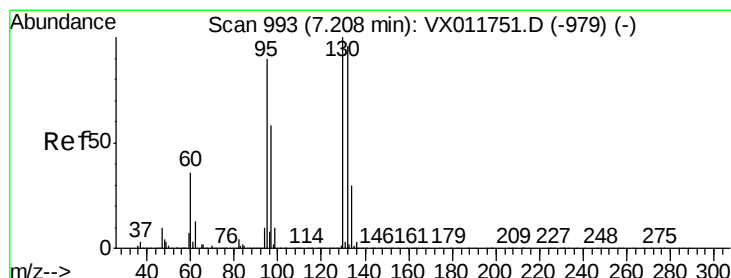
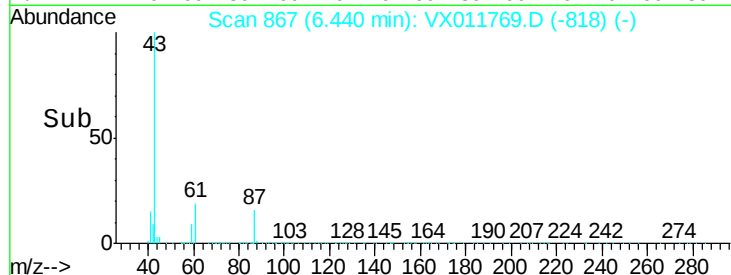
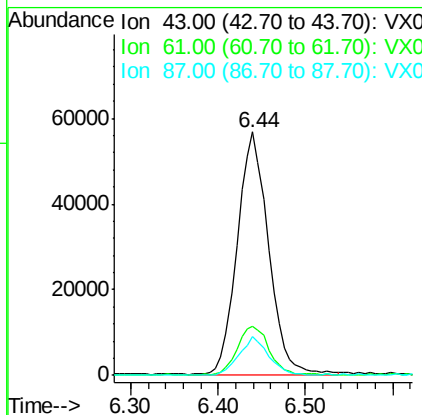
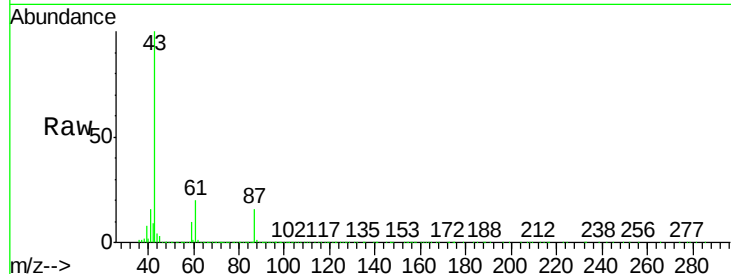
Isopropyl Acetate
 Concen: 18.792 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: VX011769.D
 Acq: 22 Aug 2019 18:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBSD01

Tot Ion:	43	Resp:	140622
Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.2	24.2
87	14.9	11.6	17.4

Manual Integrations
 APPROVED

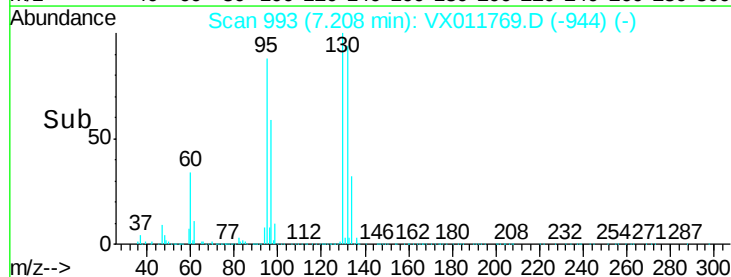
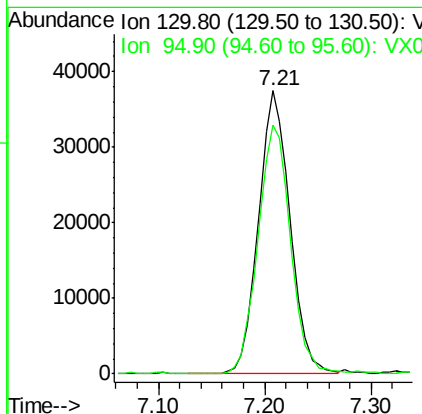
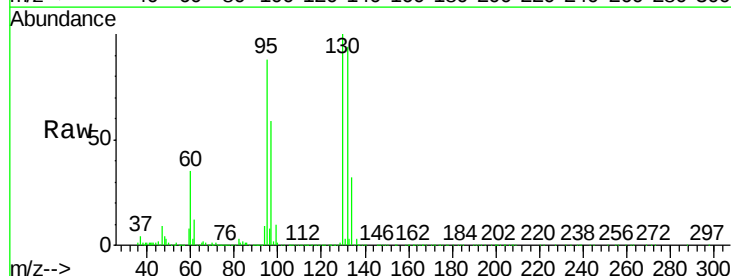
MMDadoda
 8/23/2019 8:42:00 AM

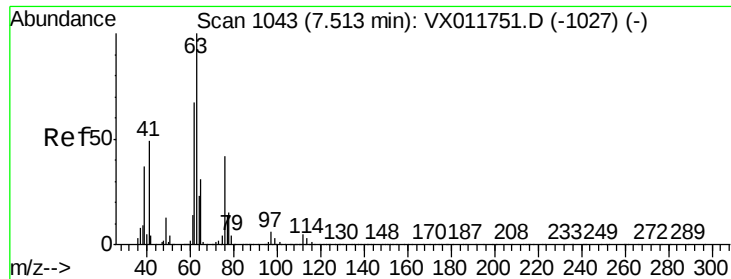


#44

Trichloroethene
 Concen: 18.728 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011769.D
 Acq: 22 Aug 2019 18:06

Tgt Ion:	130	Resp:	78022
Ion	Ratio	Lower	Upper
130	100		
95	87.9	0.0	179.0





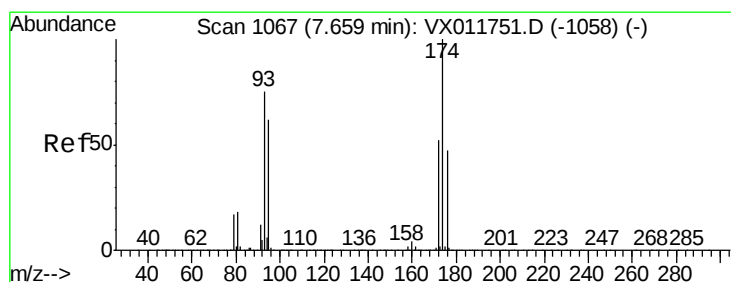
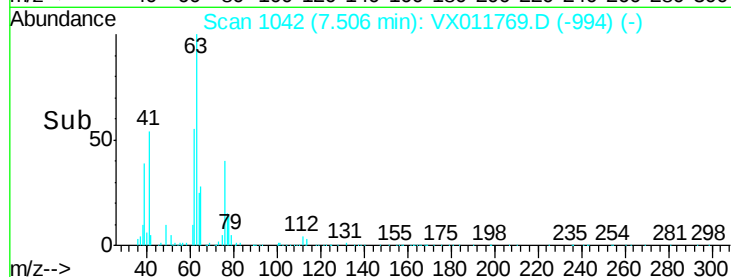
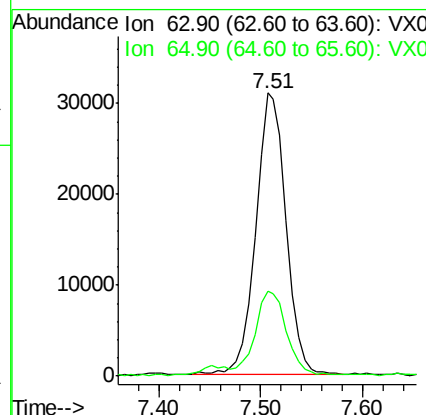
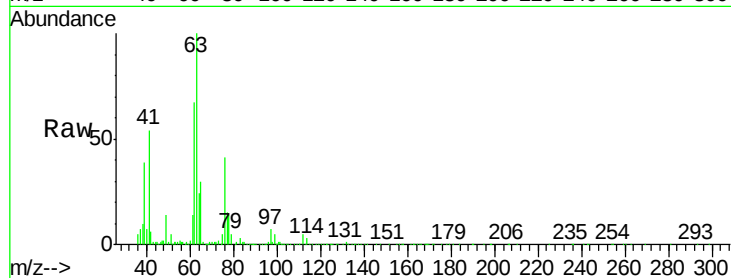
#45
 1,2-Dichloropropane
 Concen: 18.884 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX011769.D
 Acq: 22 Aug 2019 18:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.5	24.8	37.2

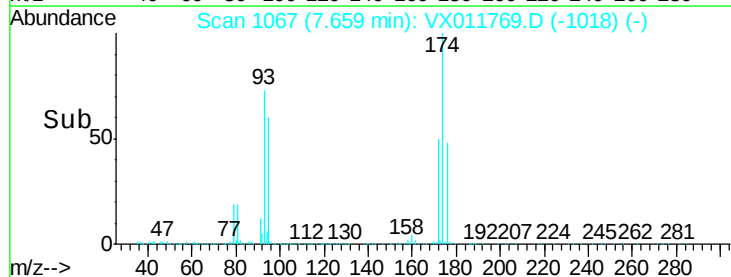
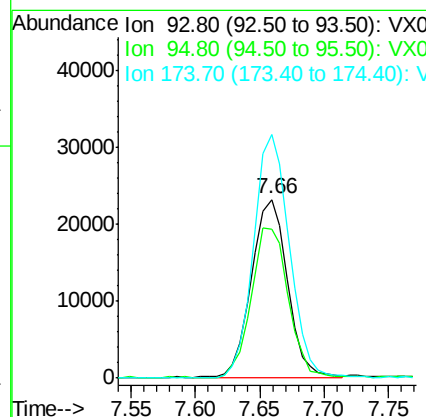
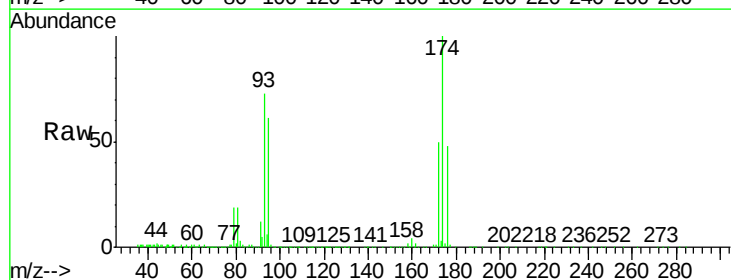
Manual Integrations
 APPROVED

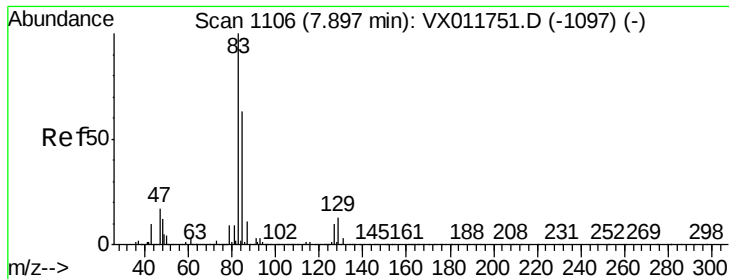
MMDadoda
 8/23/2019 8:42:00 AM



#46
 Dibromomethane
 Concen: 17.931 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011769.D
 Acq: 22 Aug 2019 18:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.6	66.2	99.2
174	136.3	104.2	156.4





#47

Bromodichloromethane

Concen: 18.591 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Instrument :

MSVOA_X

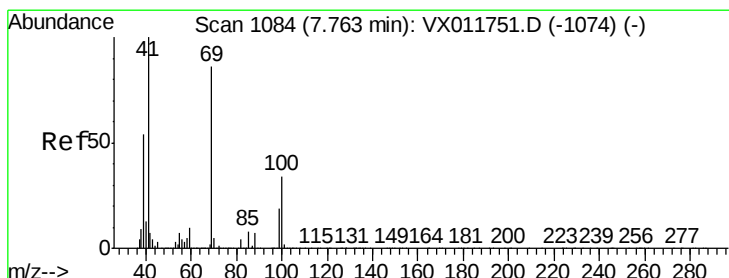
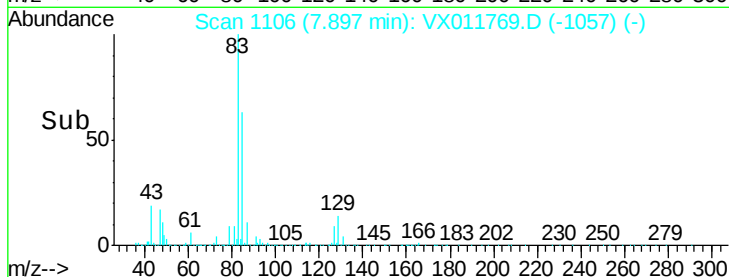
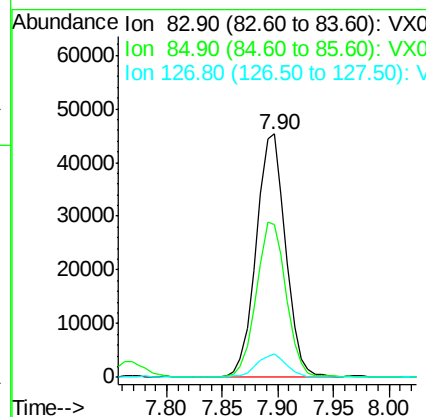
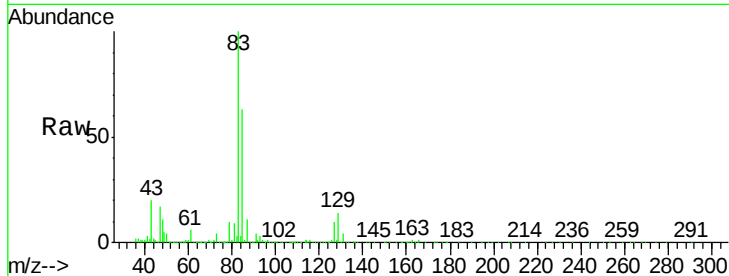
ClientSampleId :

VX0822WBSD01

Tot Ion:	83	Resp:	83816
Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.6	76.0
127	9.5	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:42:00 AM



#48

Methyl methacrylate

Concen: 19.367 ug/l

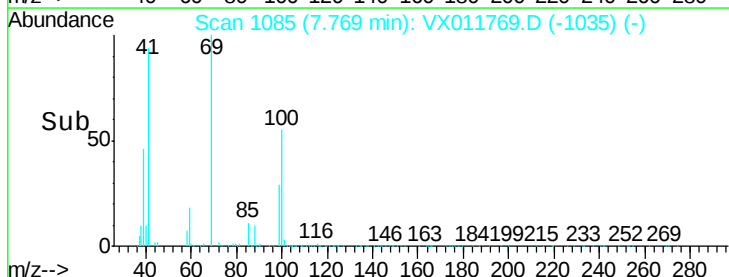
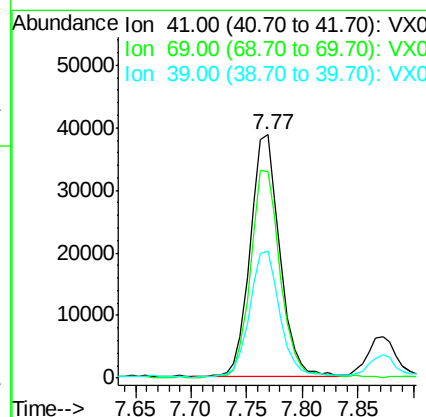
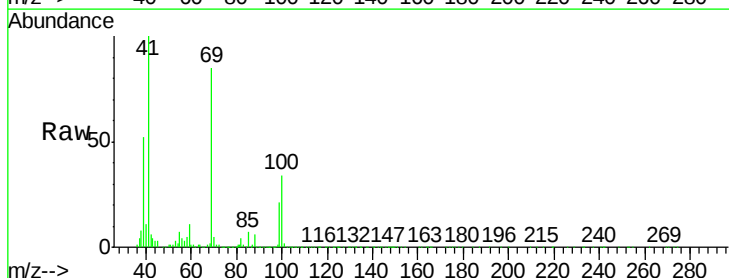
RT: 7.77 min Scan# 1085

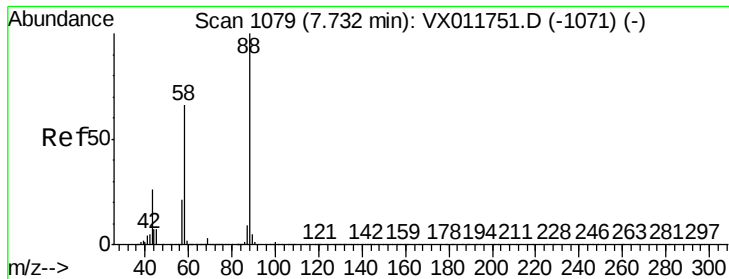
Delta R.T. 0.01 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Tgt Ion:	41	Resp:	72122
Ion	Ratio	Lower	Upper
41	100		
69	85.7	69.4	104.2
39	53.6	43.6	65.4





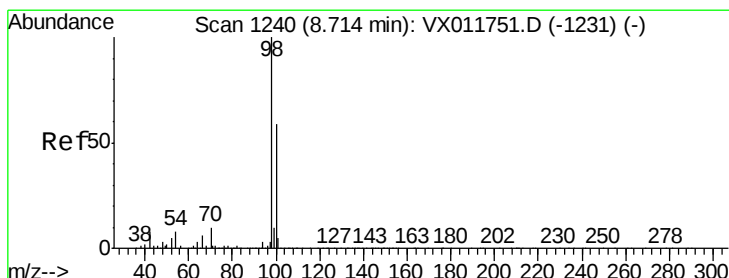
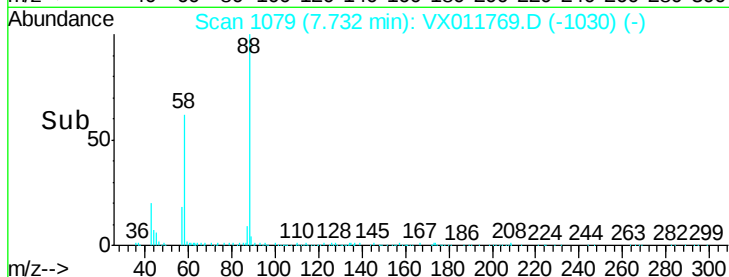
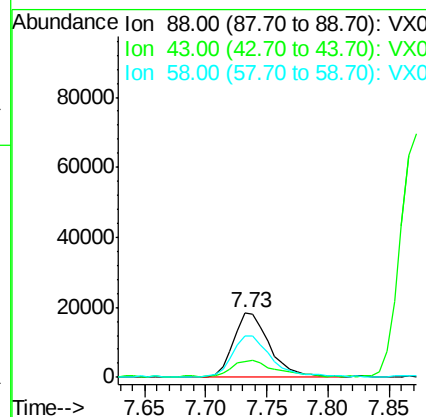
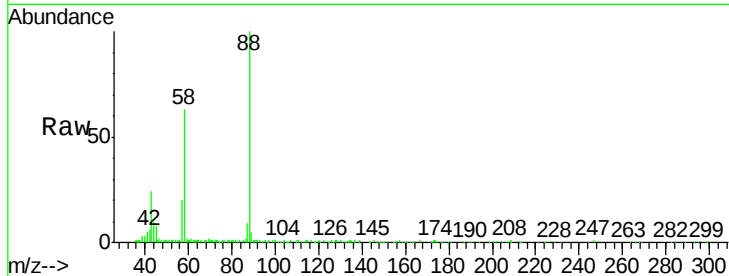
#49
1,4-Dioxane
Concen: 360.308 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.6	24.6	37.0
58	70.3	51.4	77.2

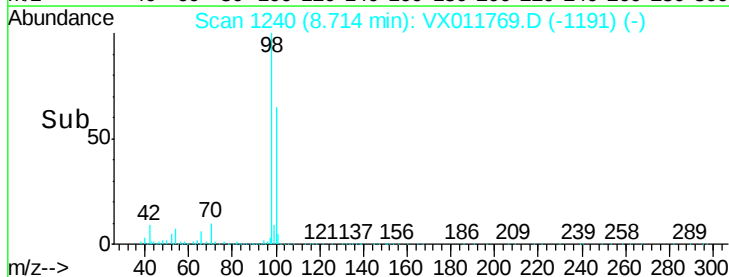
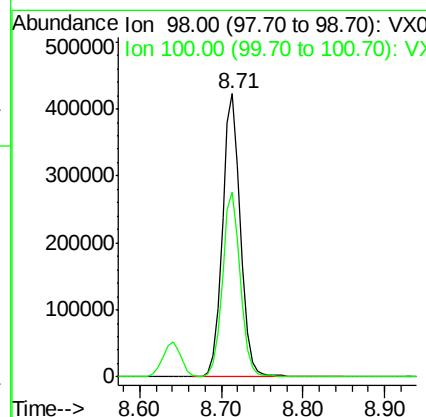
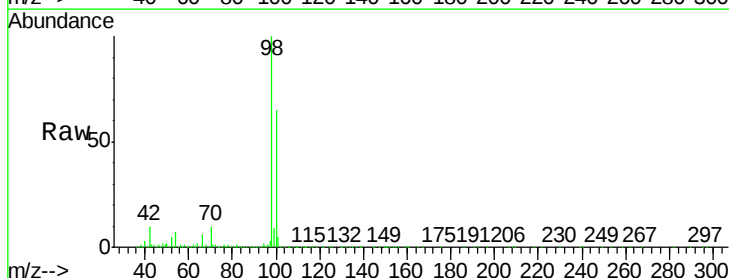
Manual Integrations
APPROVED

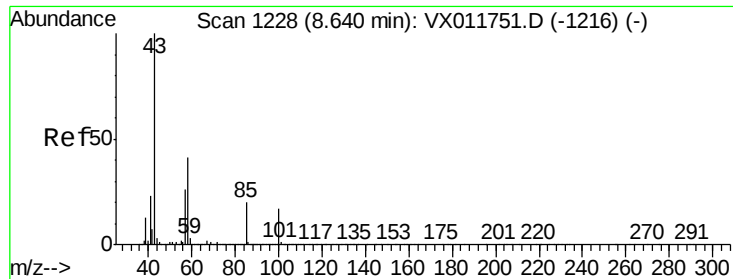
MMDadoda
8/23/2019 8:42:00 AM



#50
Toluene-d8
Concen: 51.598 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 96.083 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBSD01

Tot Ion: 43 Resp: 473759

Ion Ratio Lower Upper

43 100

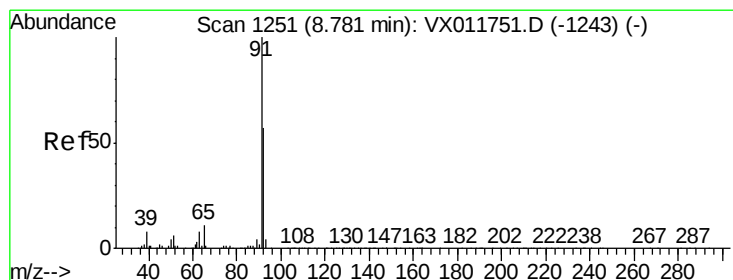
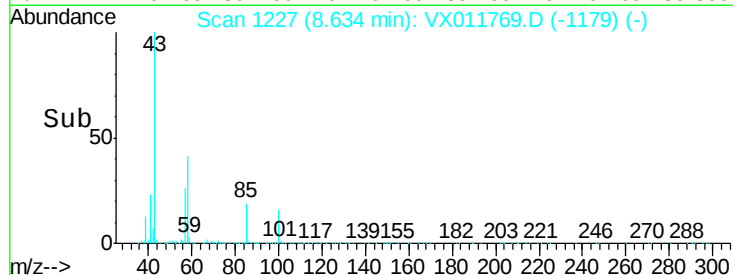
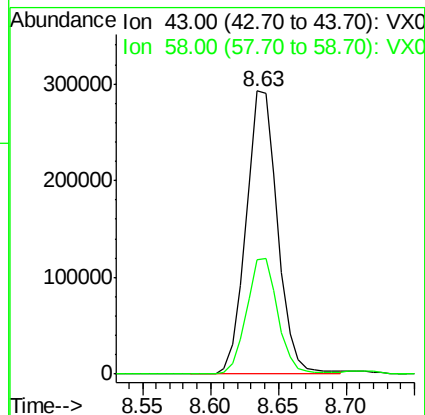
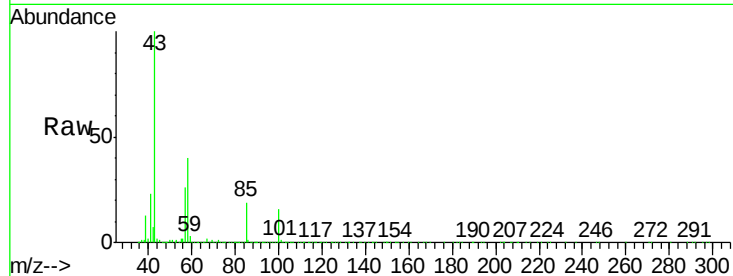
58 40.5 31.8 47.6

Manual Integrations

APPROVED

MMDadoda

8/23/2019 8:42:00 AM



#52

Toluene

Concen: 18.853 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011769.D

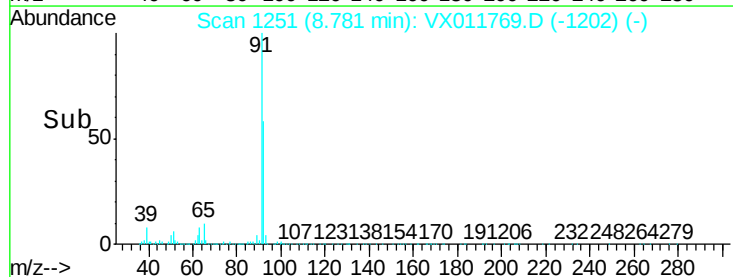
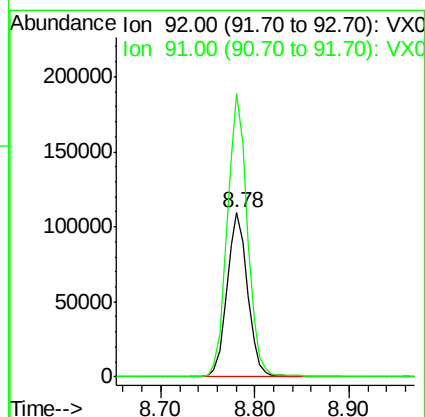
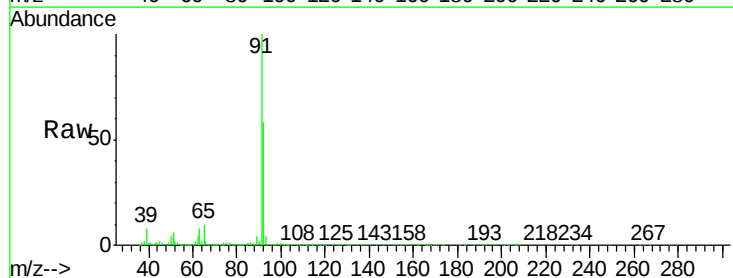
Acq: 22 Aug 2019 18:06

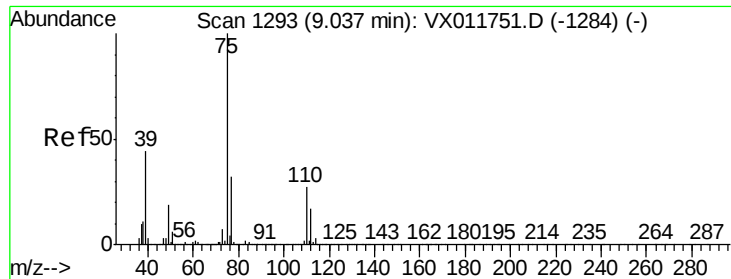
Tgt Ion: 92 Resp: 164885

Ion Ratio Lower Upper

92 100

91 170.1 138.6 207.8





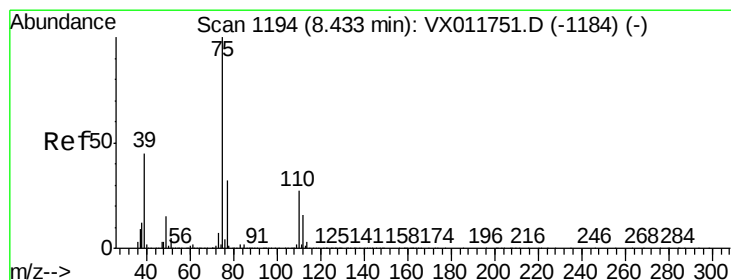
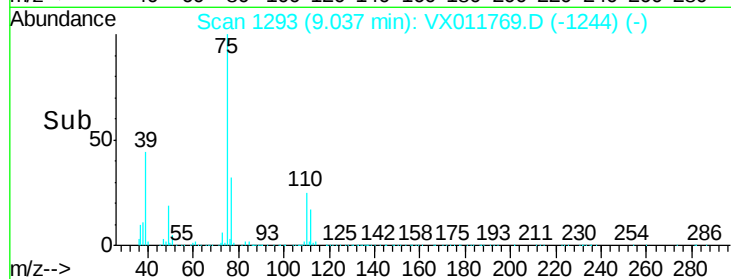
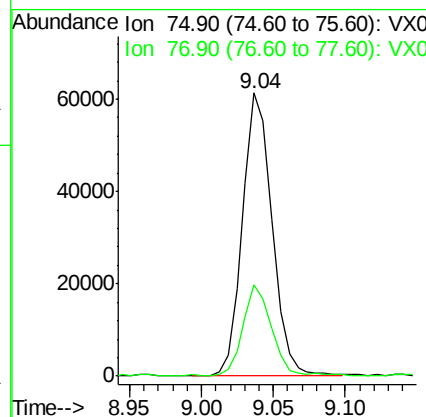
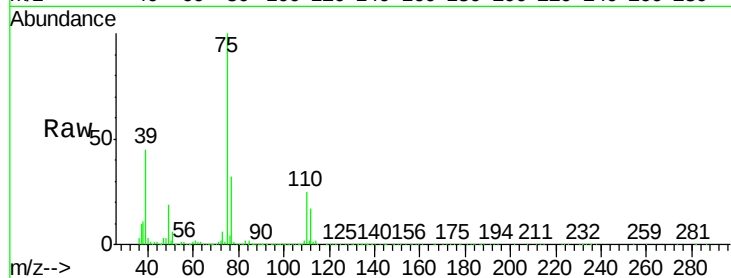
#53
t-1,3-Dichloropropene
Concen: 18.494 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Instrument :
MSVOA_X
ClientSampled :
VX0822WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0

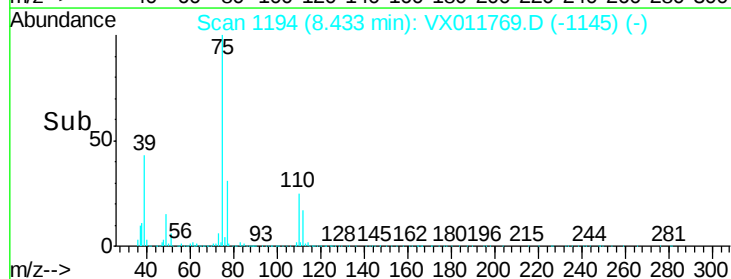
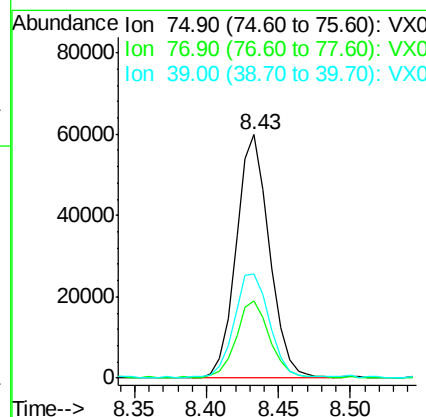
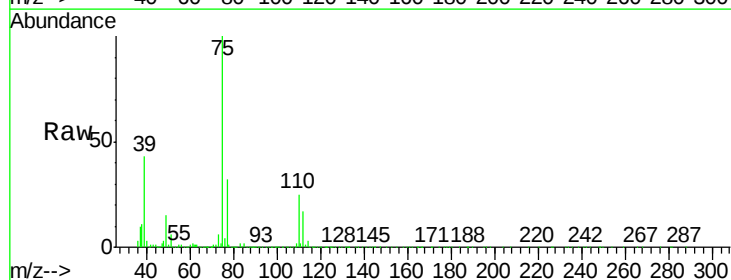
Manual Integrations
APPROVED

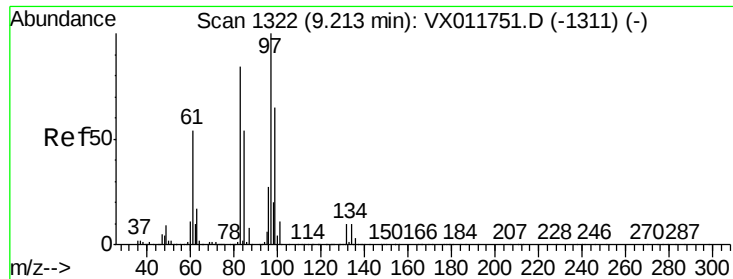
MMDadoda
8/23/2019 8:42:00 AM



#54
cis-1,3-Dichloropropene
Concen: 18.496 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.2
39	42.3	36.2	54.4





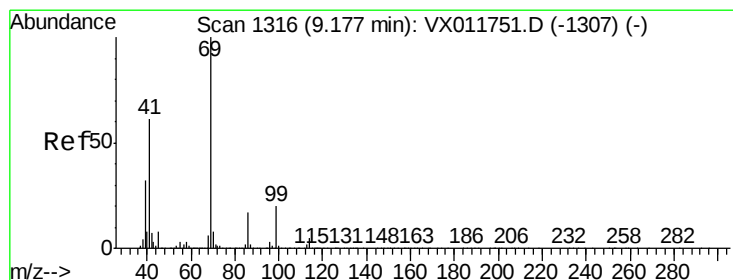
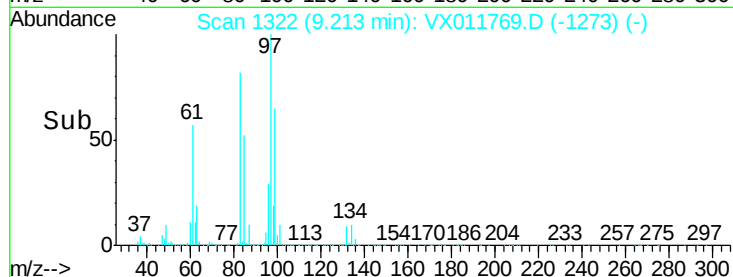
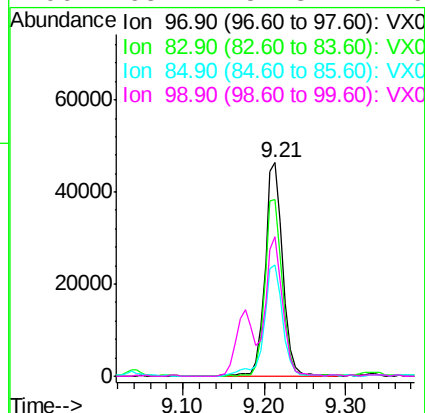
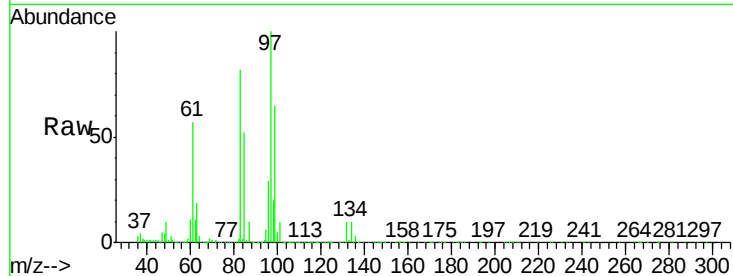
#55
 1,1,2-Trichloroethane
 Concen: 19.307 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011769.D
 Acq: 22 Aug 2019 18:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		70348		
83	82.3	67.3	100.9		
85	51.9	43.4	65.2		
99	65.2	51.8	77.6		

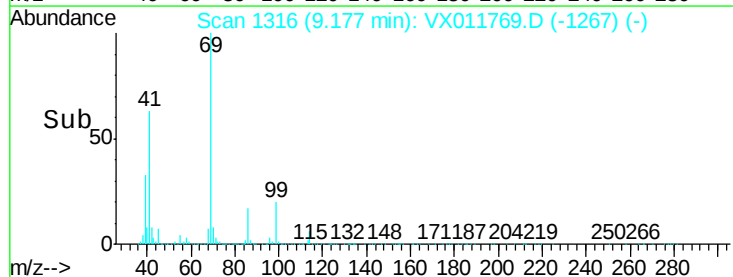
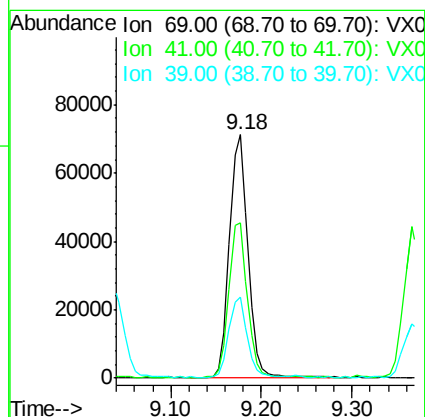
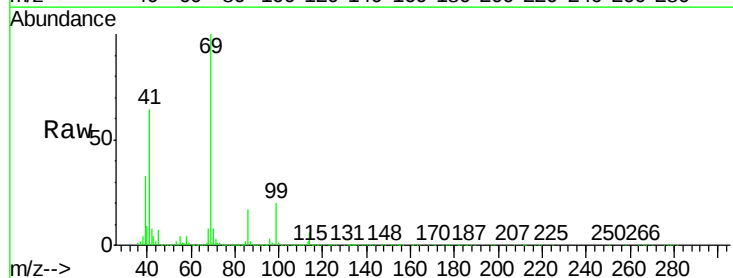
Manual Integrations
 APPROVED

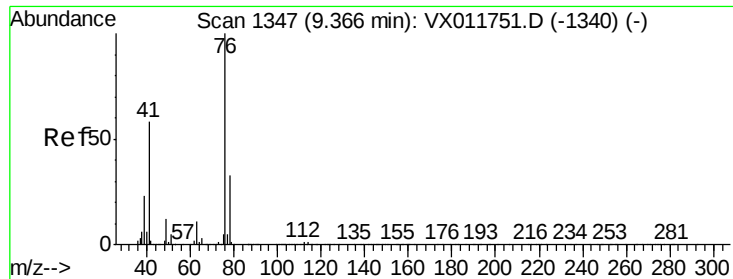
MMDadoda
 8/23/2019 8:42:00 AM



#56
 Ethyl methacrylate
 Concen: 19.618 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011769.D
 Acq: 22 Aug 2019 18:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		101659		
41	63.3	50.7	76.1		
39	32.7	26.4	39.6		





#57

1,3-Dichloropropane

Concen: 18.701 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBSD01

Tot Ion: 76 Resp: 110026

Ion Ratio Lower Upper

76 100

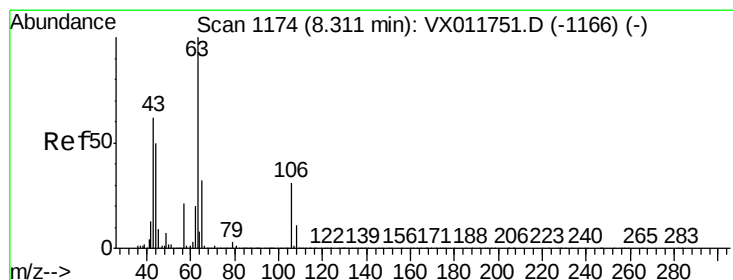
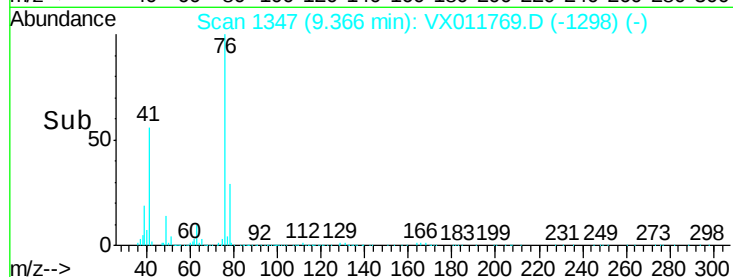
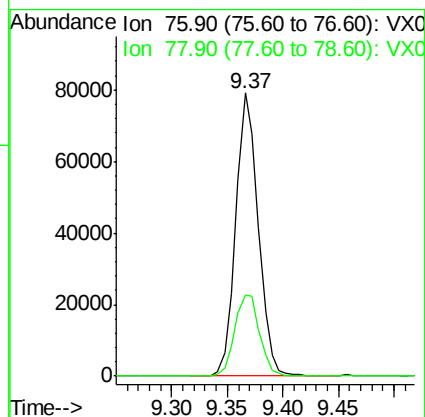
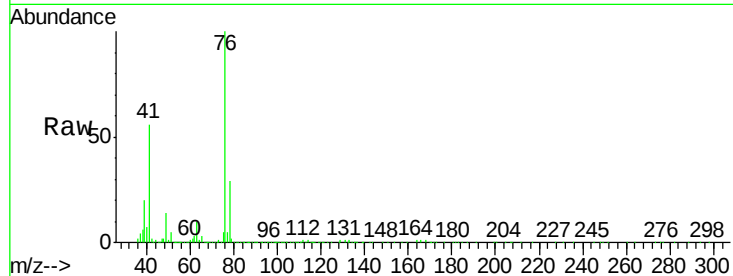
78 31.1 26.6 39.8

Manual Integrations

APPROVED

MMDadoda

8/23/2019 8:42:00 AM



#58

2-Chloroethyl Vinyl ether

Concen: 95.050 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX011769.D

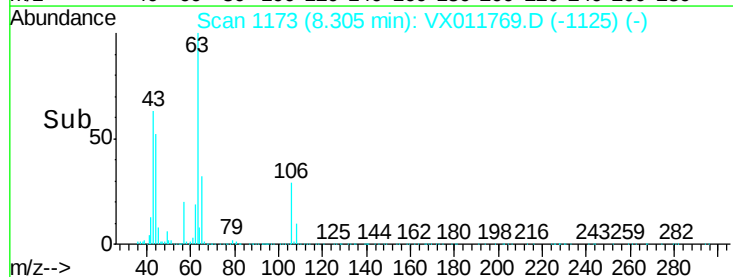
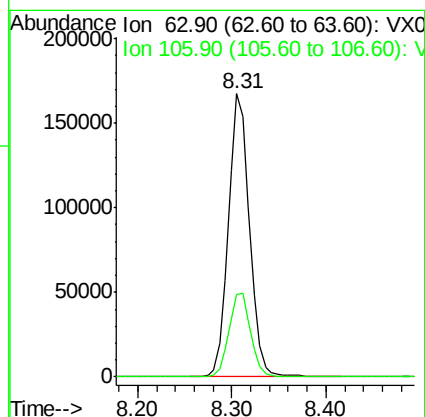
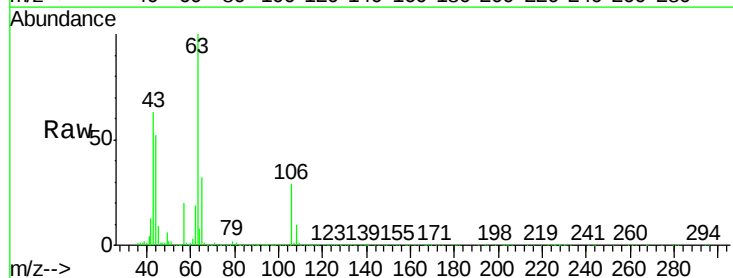
Acq: 22 Aug 2019 18:06

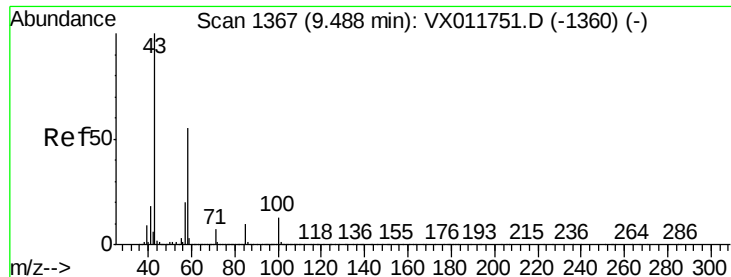
Tgt Ion: 63 Resp: 259096

Ion Ratio Lower Upper

63 100

106 30.6 24.9 37.3





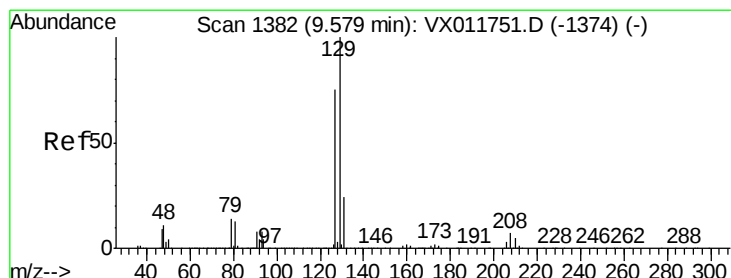
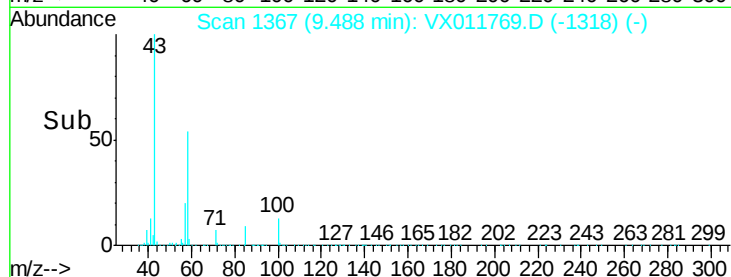
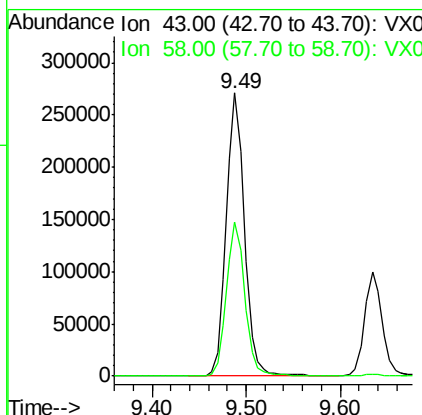
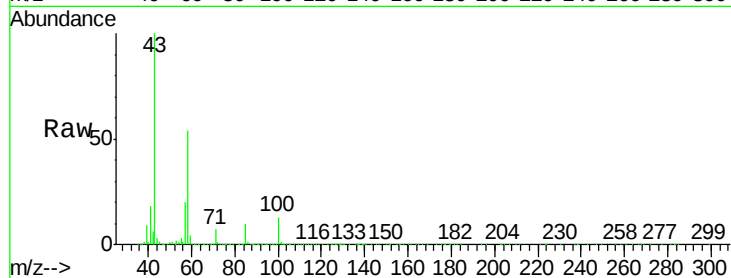
#59
2-Hexanone
Concen: 96.301 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBSD01

Tot Ion: 43 Resp: 364448
Ion Ratio Lower Upper
43 100
58 55.2 27.7 83.1

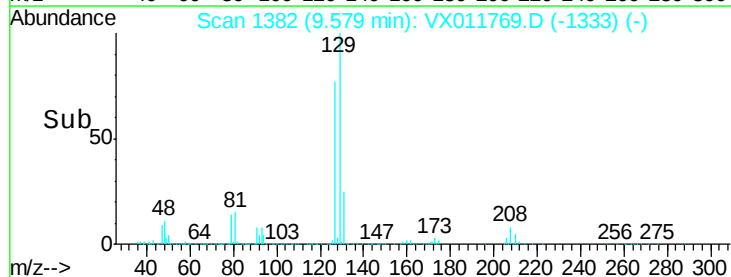
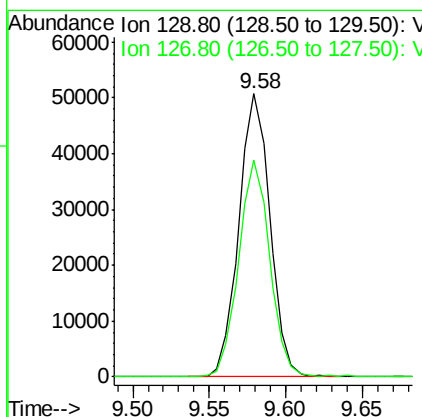
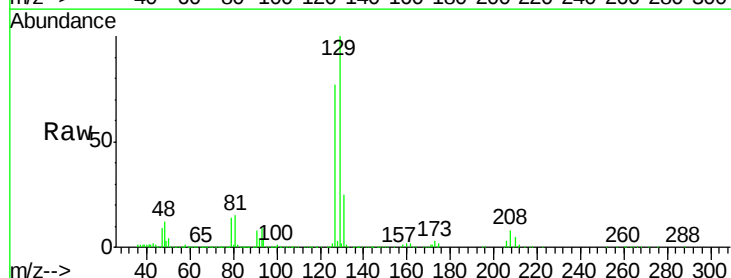
Manual Integrations
APPROVED

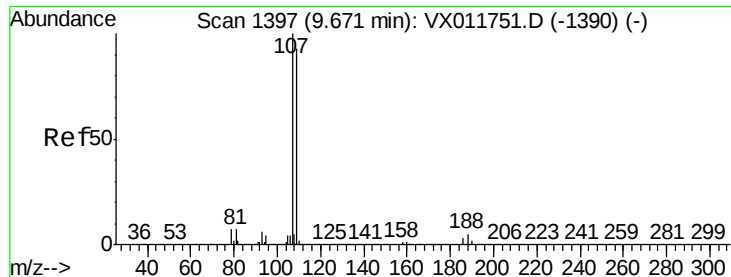
MMDadoda
8/23/2019 8:42:00 AM



#60
Dibromochloromethane
Concen: 18.104 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Tgt Ion: 129 Resp: 71320
Ion Ratio Lower Upper
129 100
127 77.0 38.3 114.8





#61

1,2-Dibromoethane

Concen: 19.208 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBSD01

Tot Ion: 107 Resp: 75096

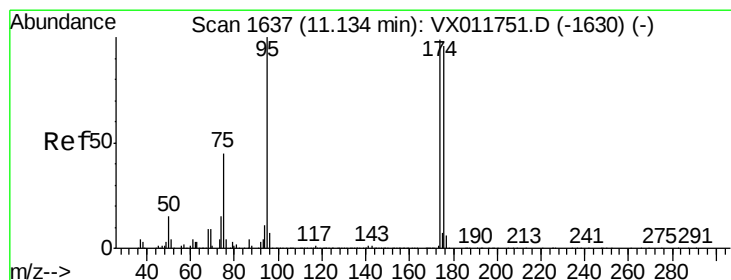
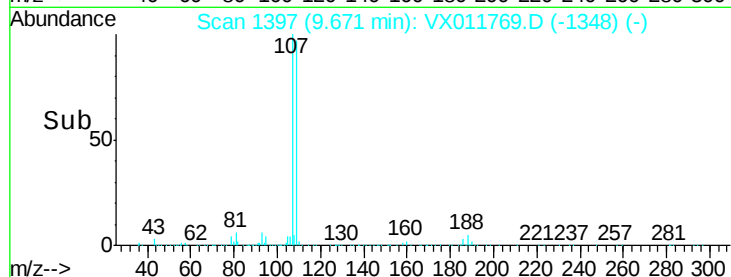
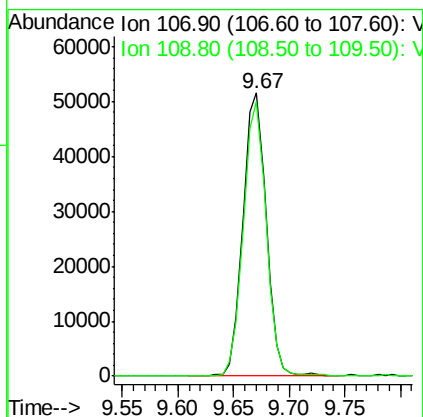
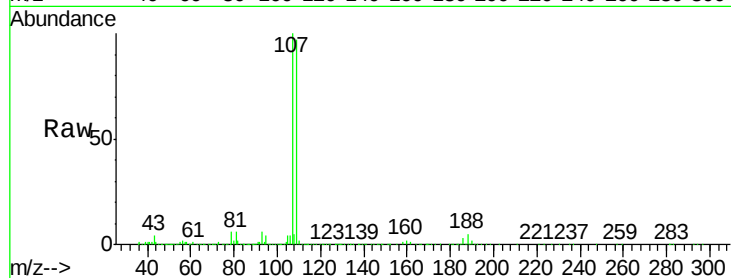
Ion Ratio Lower Upper

107 100

109 95.1 75.8 113.8

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:42:00 AM



#62

4-Bromofluorobenzene

Concen: 45.502 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

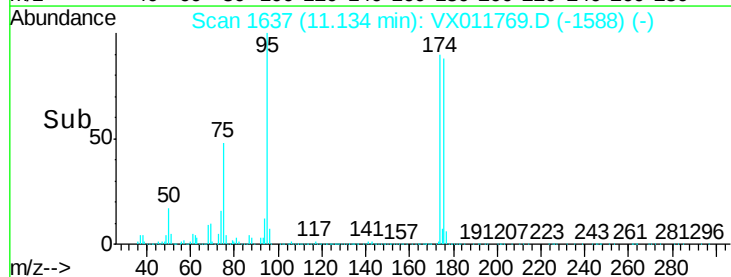
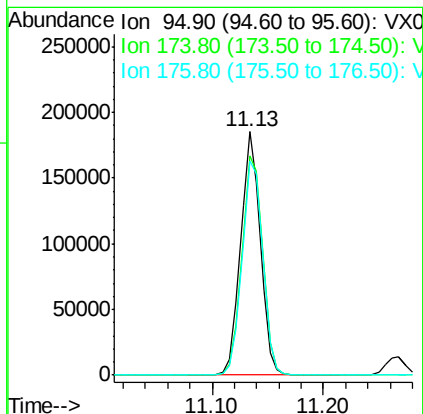
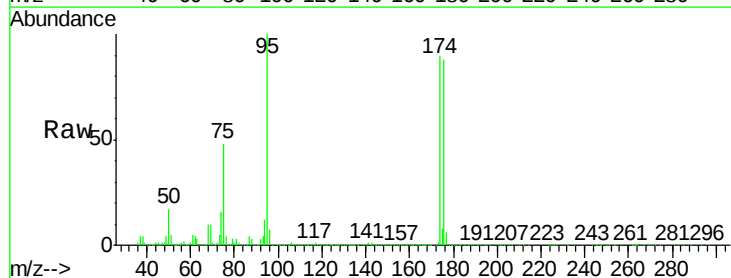
Tgt Ion: 95 Resp: 226000

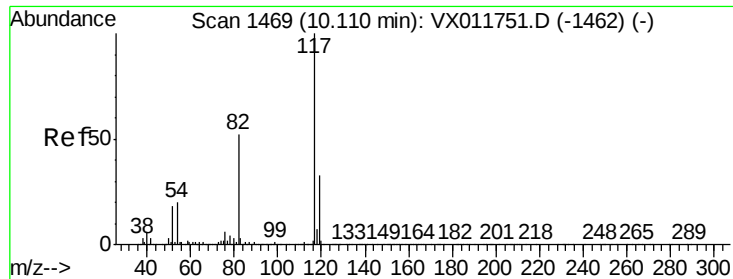
Ion Ratio Lower Upper

95 100

174 95.4 0.0 197.4

176 93.2 0.0 194.4





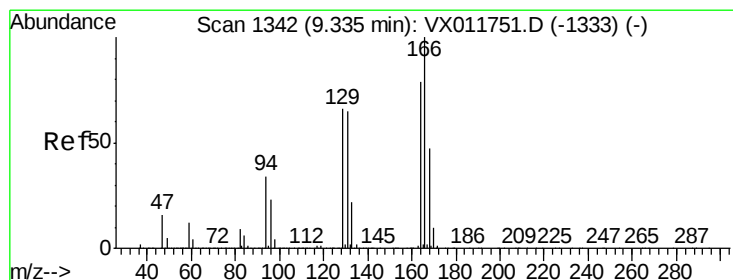
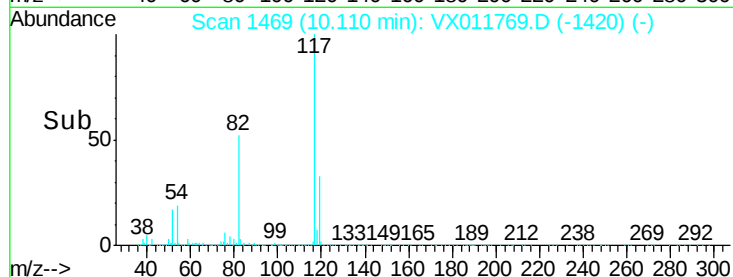
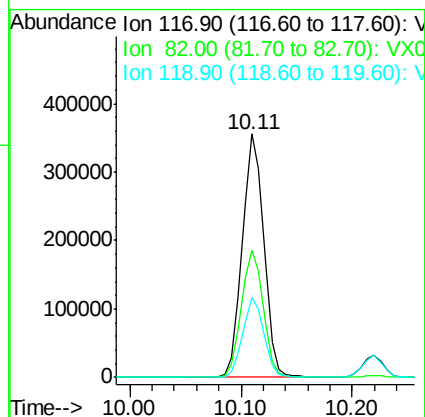
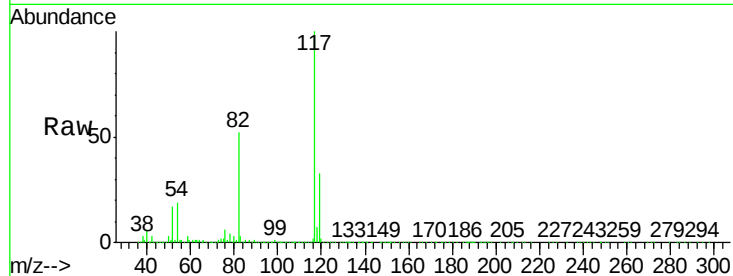
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	476369		
82	52.3		41.7	62.5
119	32.9		26.2	39.2

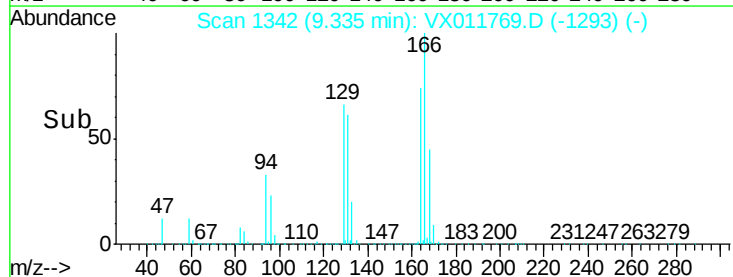
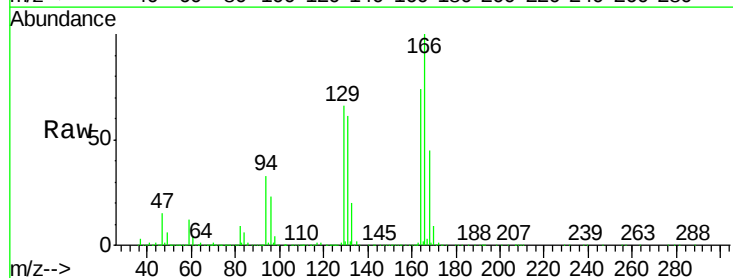
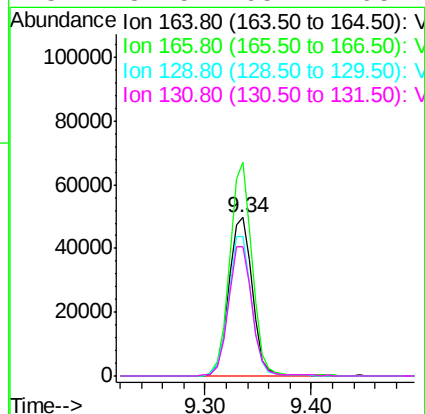
Manual Integrations
APPROVED

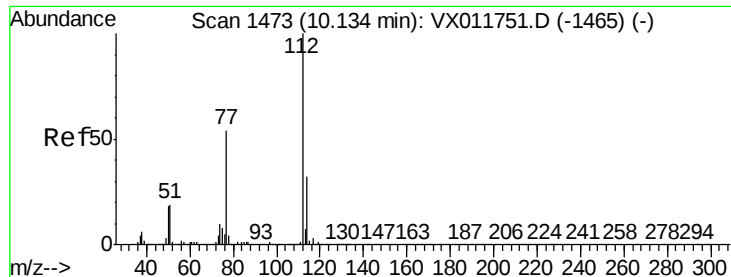
MMDadoda
8/23/2019 8:42:00 AM



#64
Tetrachloroethene
Concen: 20.217 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	76832		
166	135.0		100.7	151.1
129	88.3		66.8	100.2
131	81.5		65.4	98.2





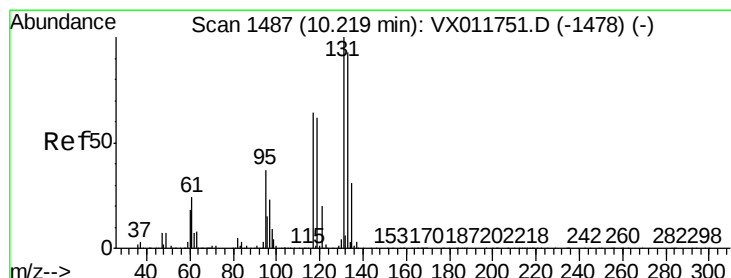
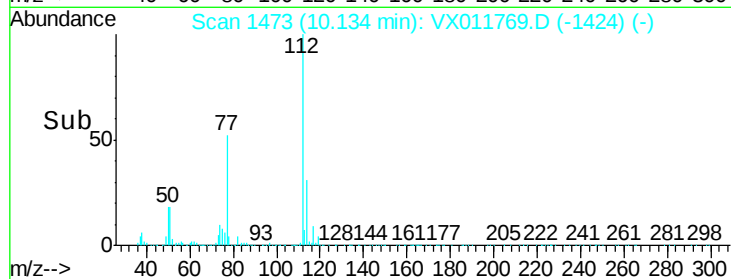
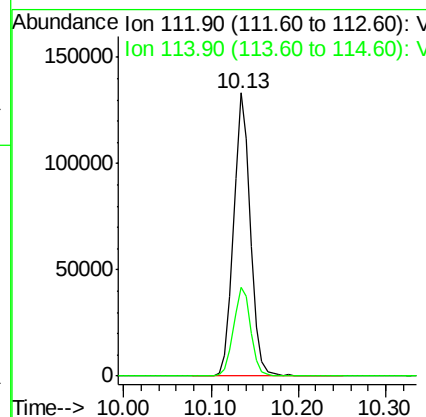
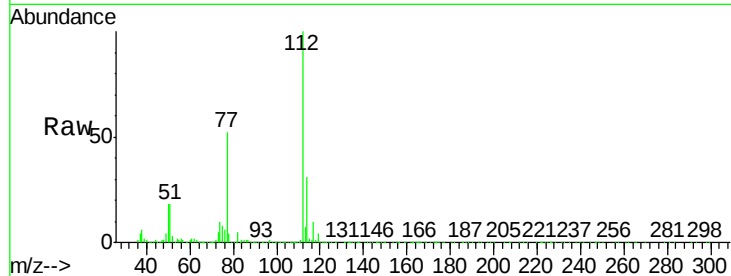
#65
Chlorobenzene
Concen: 19.136 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.4	38.0

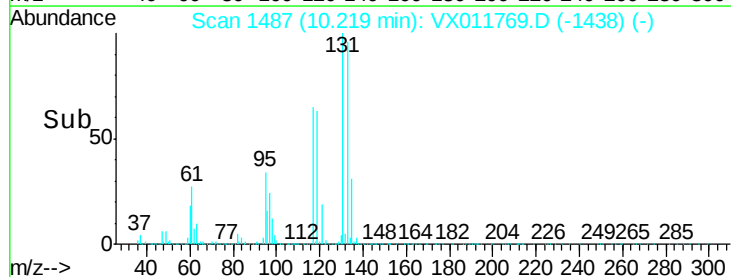
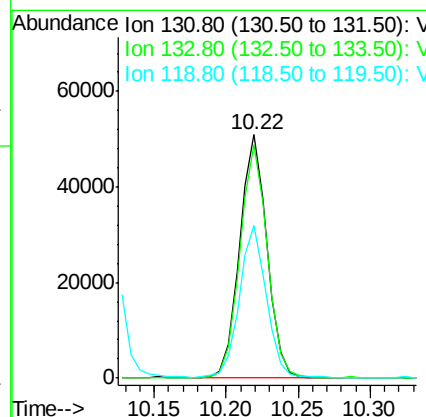
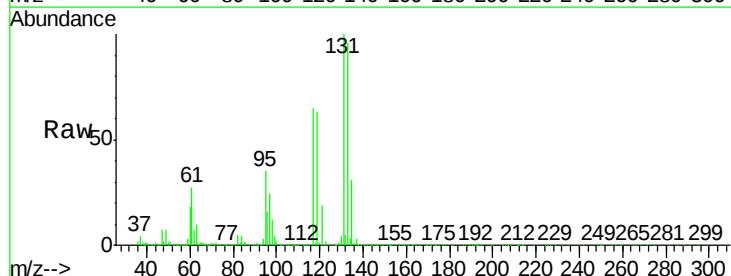
Manual Integrations
APPROVED

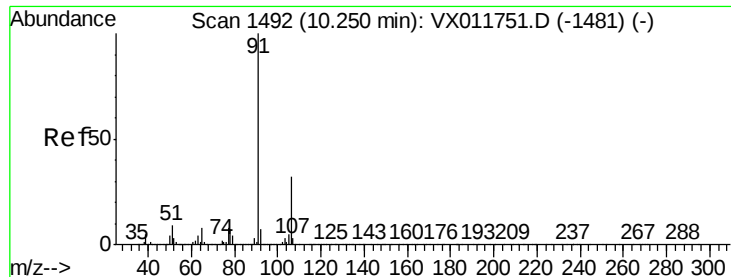
MMDadoda
8/23/2019 8:42:00 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.266 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.8	143.4
119	62.5	31.3	93.8





#67

Ethyl Benzene

Concen: 19.363 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBSD01

Tot Ion: 91 Resp: 300940

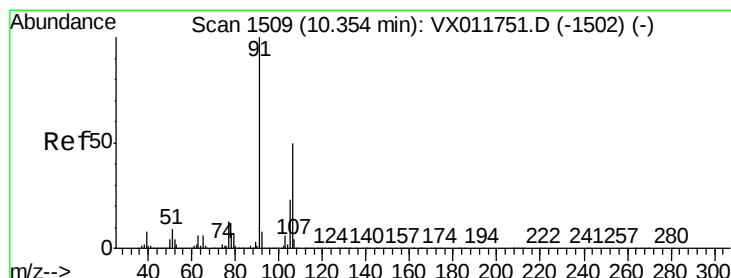
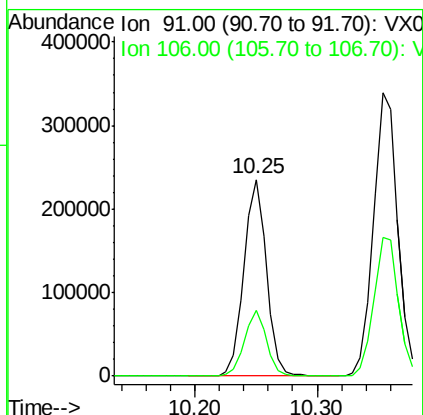
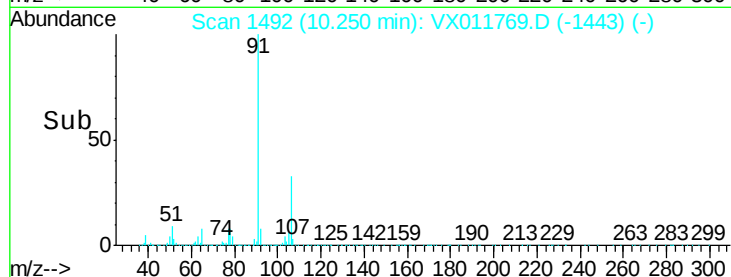
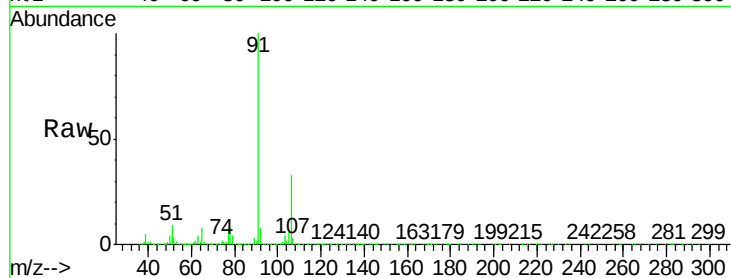
Ion Ratio Lower Upper

91 100

106 33.1 25.5 38.3

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:42:00 AM



#68

m/p-Xylenes

Concen: 38.974 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011769.D

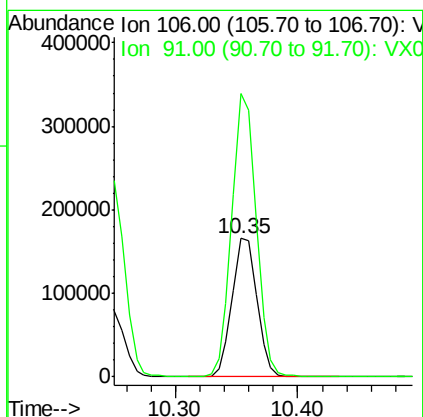
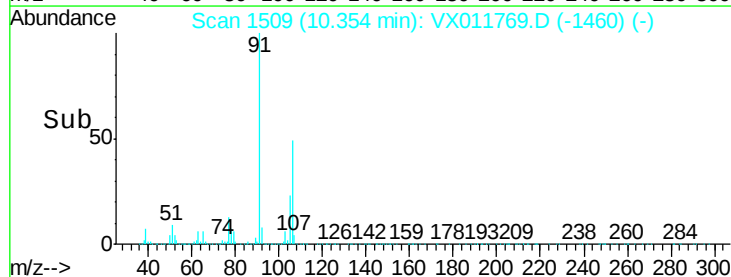
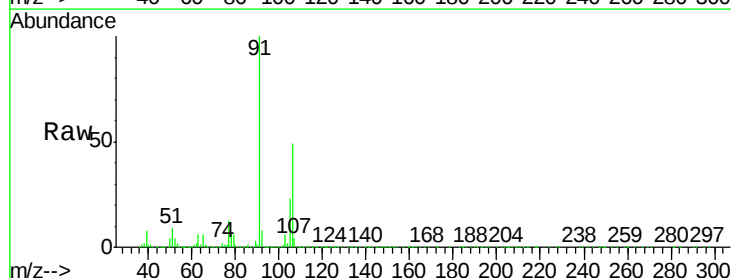
Acq: 22 Aug 2019 18:06

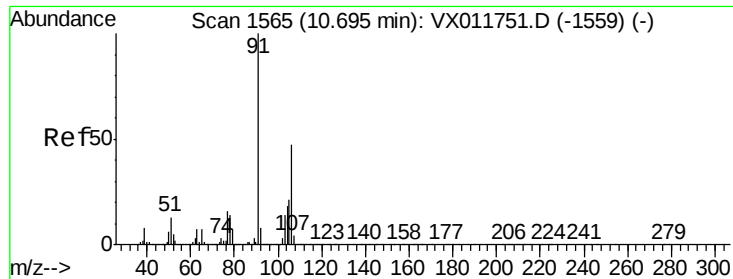
Tgt Ion: 106 Resp: 233558

Ion Ratio Lower Upper

106 100

91 200.0 158.3 237.5





#69

o-Xylene

Concen: 19.288 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBSD01

Tot Ion:106 Resp: 113485

Ion Ratio Lower Upper

106 100

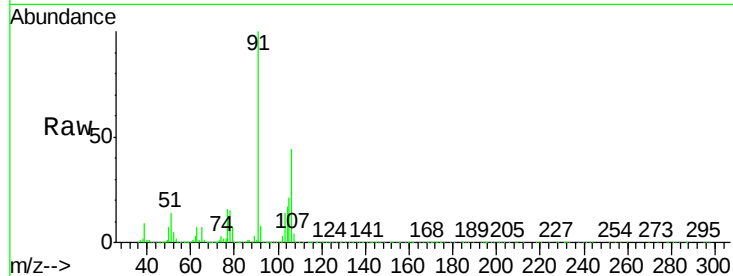
91 210.8 105.0 314.9

Manual Integrations

APPROVED

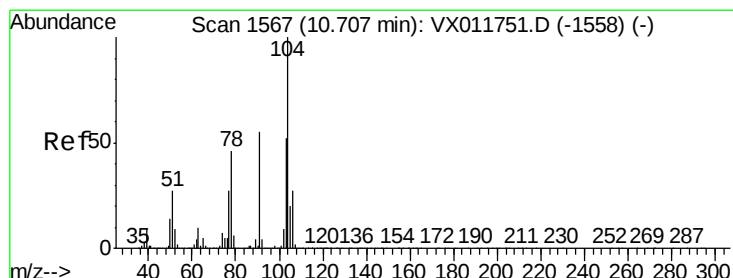
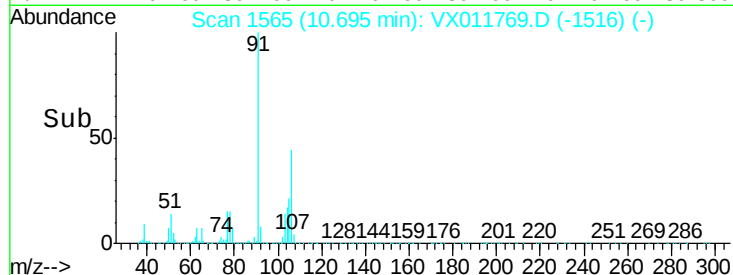
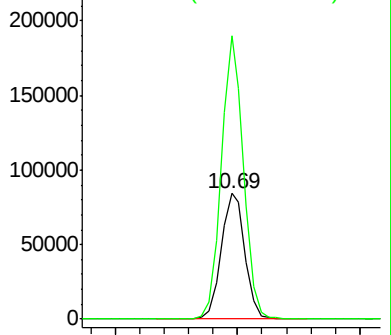
MMDadoda

8/23/2019 8:42:00 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#70

Styrene

Concen: 19.075 ug/l

RT: 10.71 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

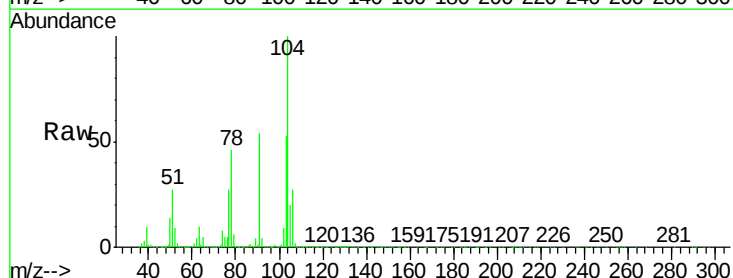
Tgt Ion:104 Resp: 187753

Ion Ratio Lower Upper

104 100

78 50.4 39.2 58.8

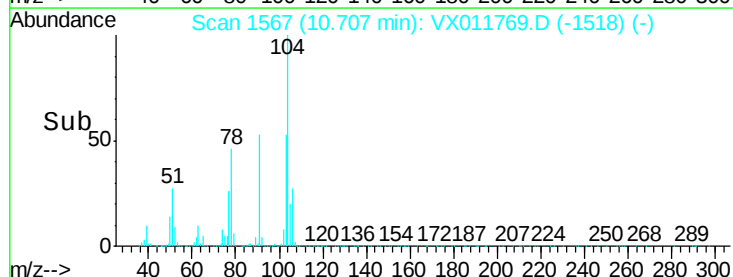
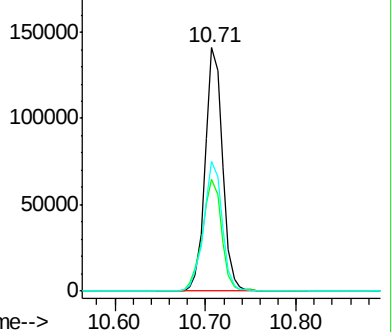
103 56.3 44.5 66.7

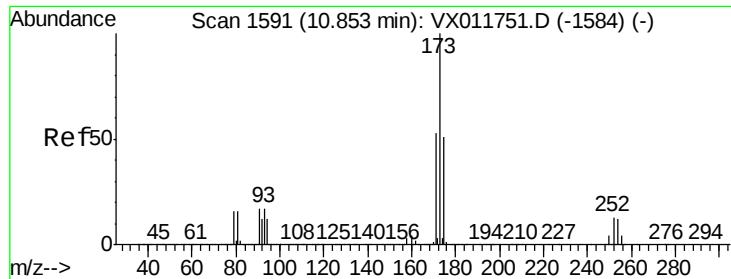


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V





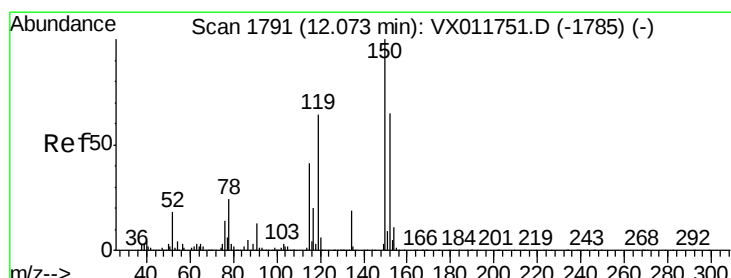
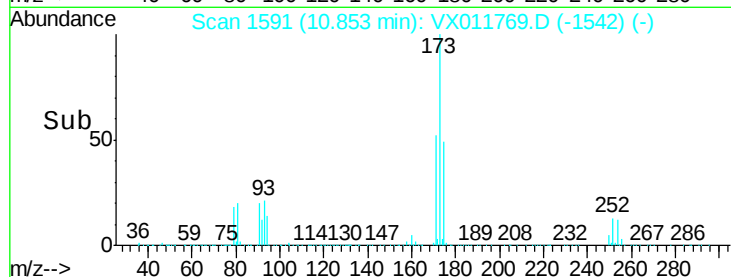
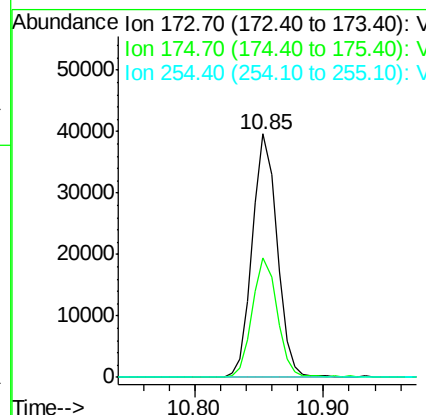
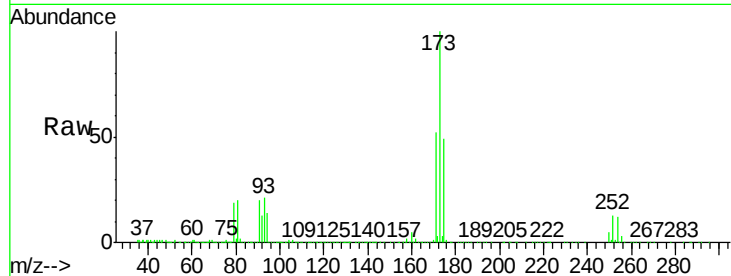
#71
Bromoform
Concen: 17.477 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	25.1	75.3
254	0.5	0.2	0.4

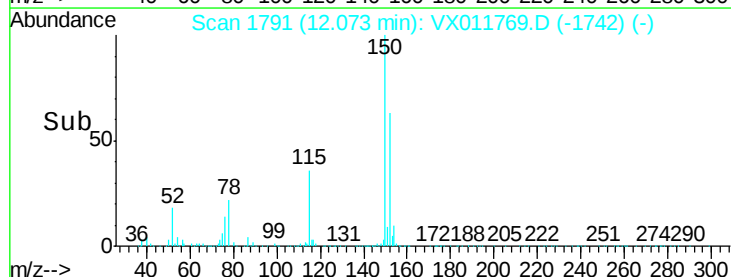
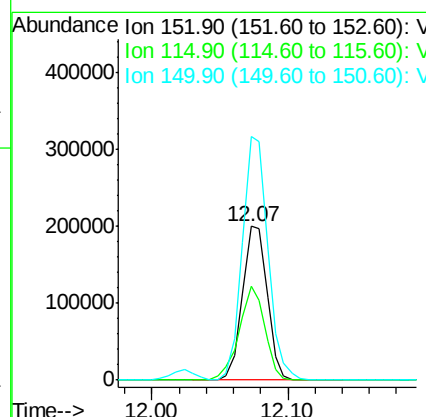
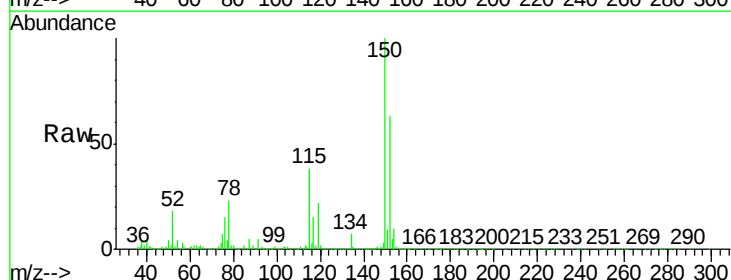
Manual Integrations
APPROVED

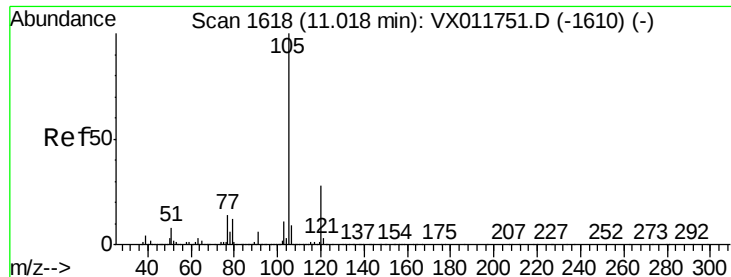
MMDadoda
8/23/2019 8:42:00 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.4	37.3	111.8
150	163.8	0.0	343.0





#73

Isopropylbenzene

Concen: 20.236 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBSD01

Tot Ion: 105 Resp: 307558

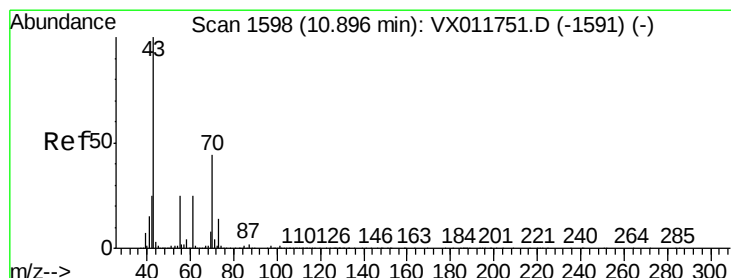
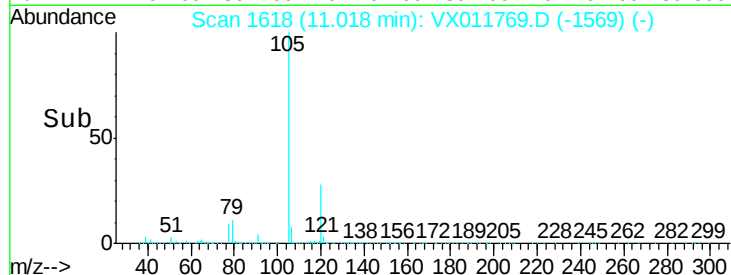
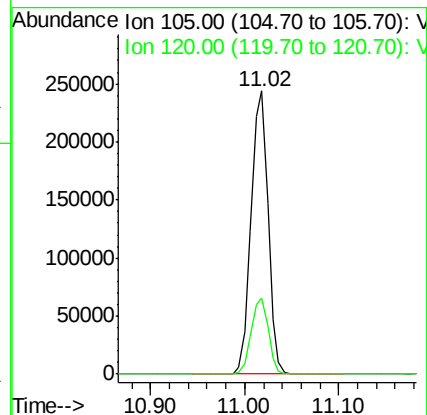
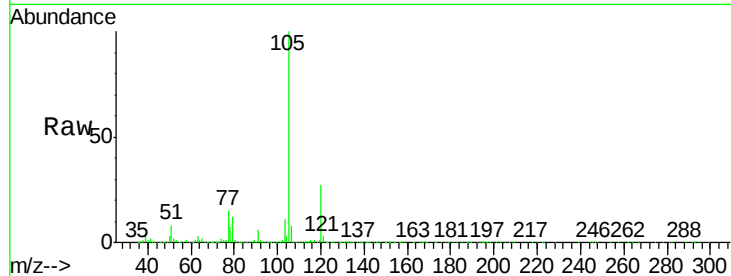
Ion Ratio Lower Upper

105 100

120 27.3 13.9 41.7

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:42:00 AM



#74

N-ethyl acetate

Concen: 19.758 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Tgt Ion: 43 Resp: 116259

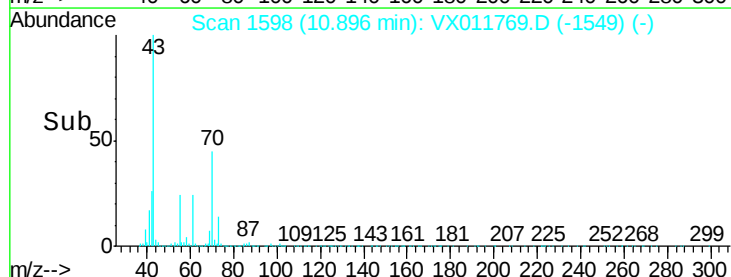
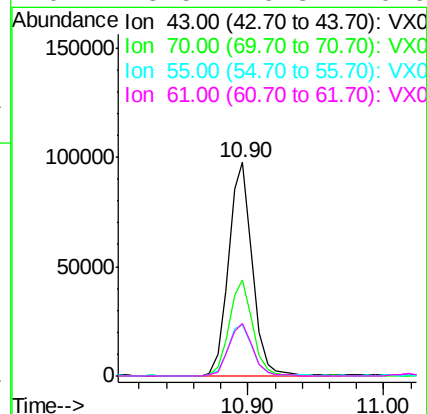
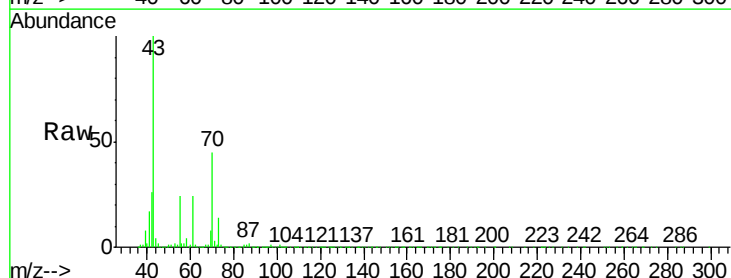
Ion Ratio Lower Upper

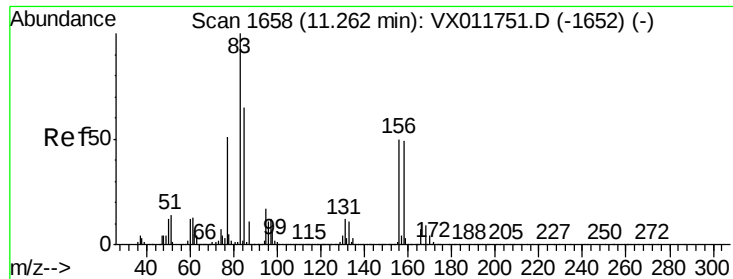
43 100

70 44.6 34.8 52.2

55 25.1 19.5 29.3

61 25.5 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.142 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Instrument :

MSVOA_X

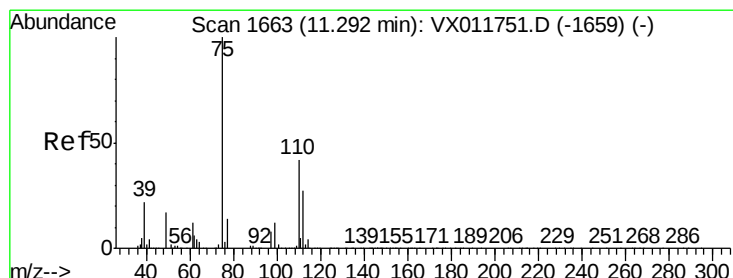
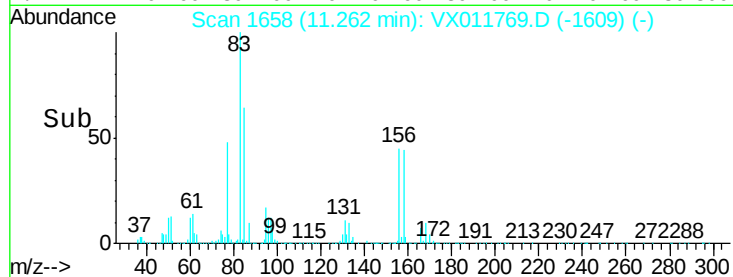
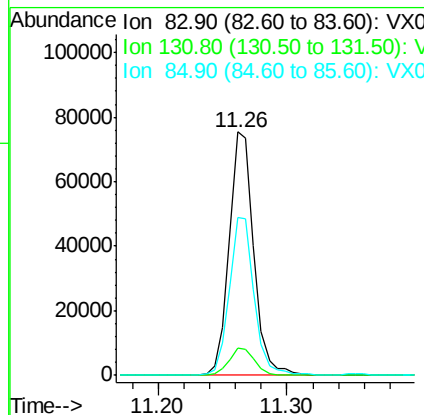
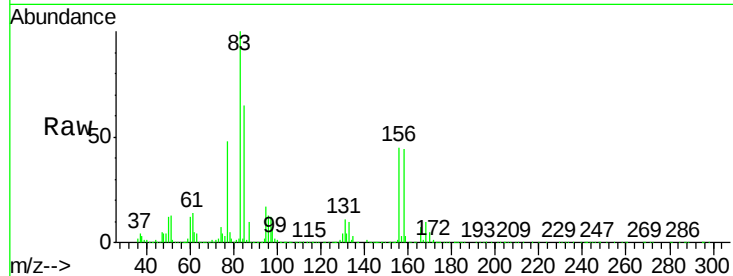
ClientSampled :

VX0822WBSD01

Tot Ion:	83	Resp:	101332
Ion Ratio	Lower	Upper	
83	100		
131	11.7	6.1	18.3
85	65.5	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:42:00 AM



#76

1,2,3-Trichloropropane

Concen: 19.806 ug/l m

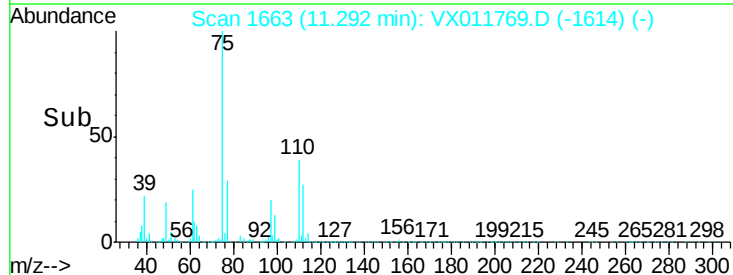
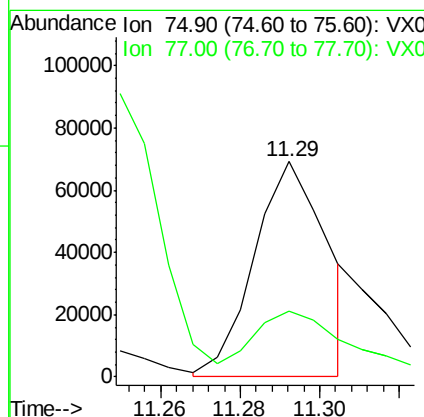
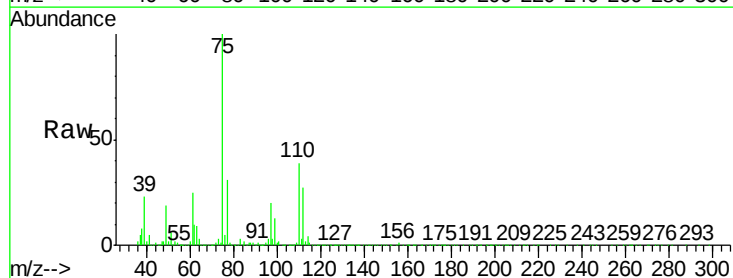
RT: 11.29 min Scan# 1663

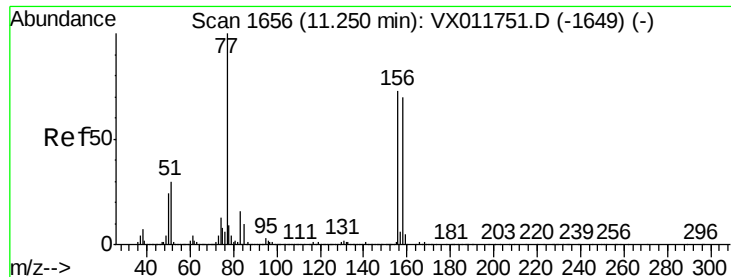
Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Tgt Ion:	75	Resp:	87652
Ion Ratio	Lower	Upper	
75	100		
77	40.5	21.1	63.3





#77

Bromobenzene

Concen: 19.493 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Instrument :

MSVOA_X

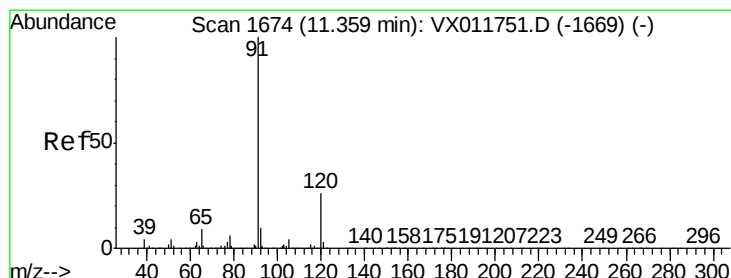
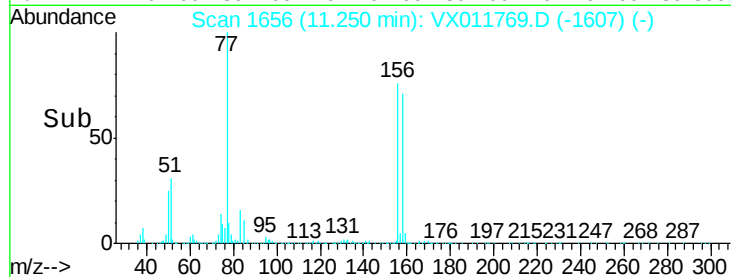
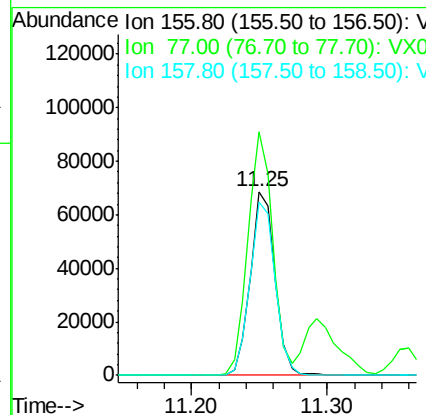
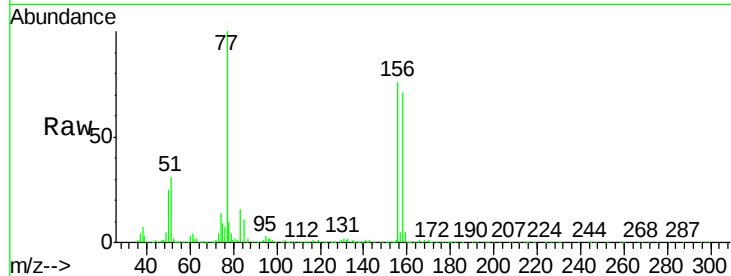
ClientSampleId :

VX0822WBSD01

Tot Ion:	156	Resp:	87341
Ion Ratio	Lower	Upper	
156	100		
77	132.3	65.3	196.0
158	96.6	48.4	145.0

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:42:00 AM



#78

n-propylbenzene

Concen: 20.327 ug/l

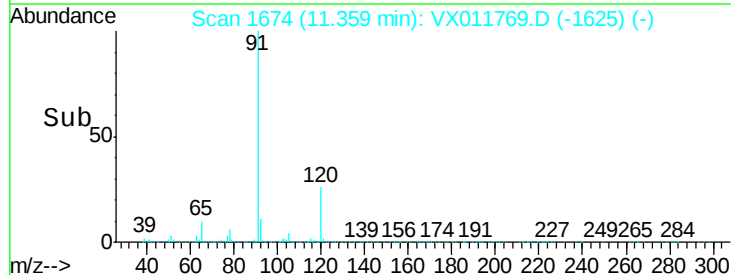
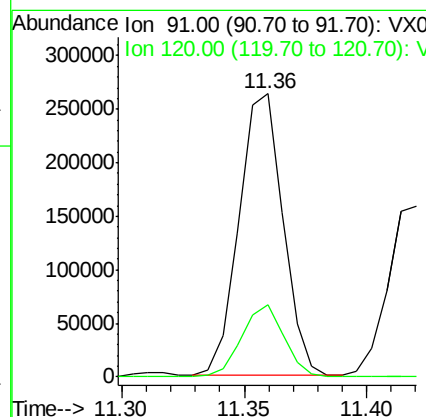
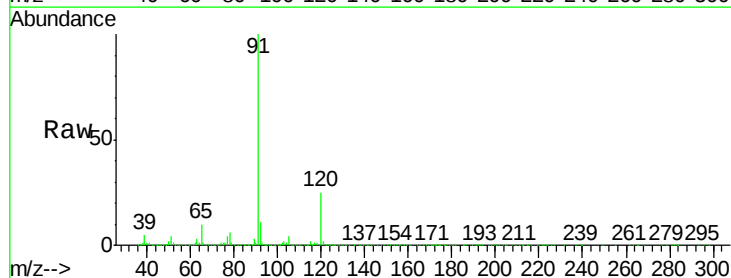
RT: 11.36 min Scan# 1674

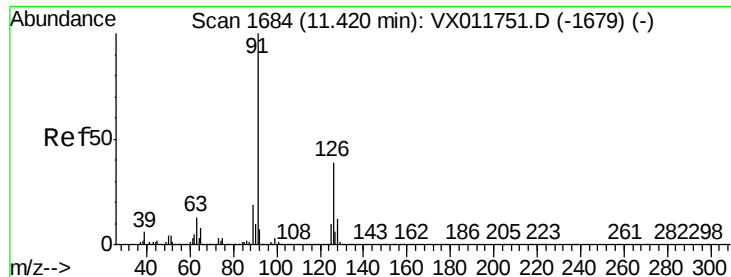
Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Tgt Ion:	91	Resp:	330344
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.7	38.1





#79

2-Chlorotoluene

Concen: 20.082 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBSD01

Tot Ion: 91 Resp: 203044

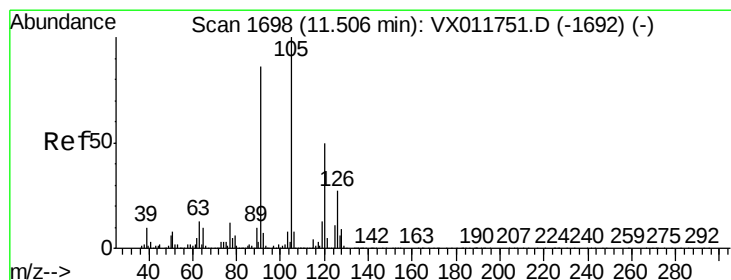
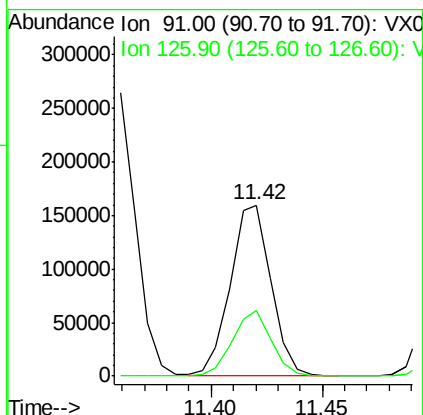
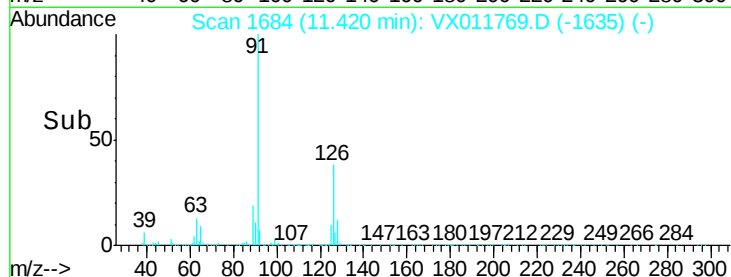
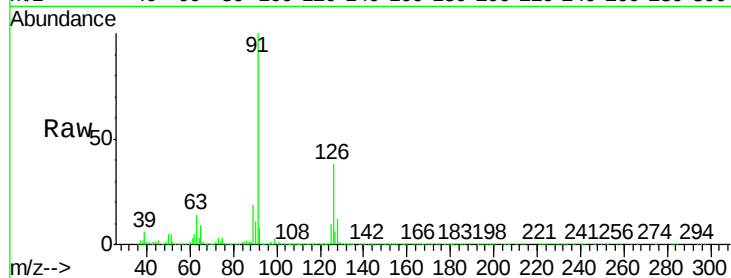
Ion Ratio Lower Upper

91 100

126 36.8 18.6 55.6

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:42:00 AM



#80

1,3,5-Trimethylbenzene

Concen: 20.829 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011769.D

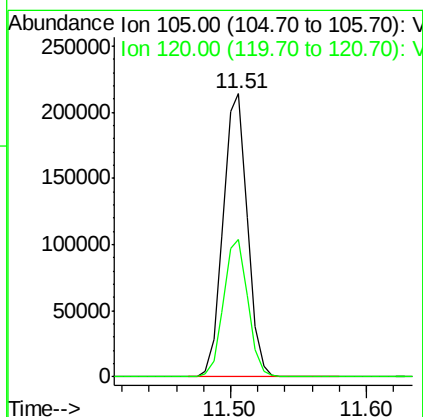
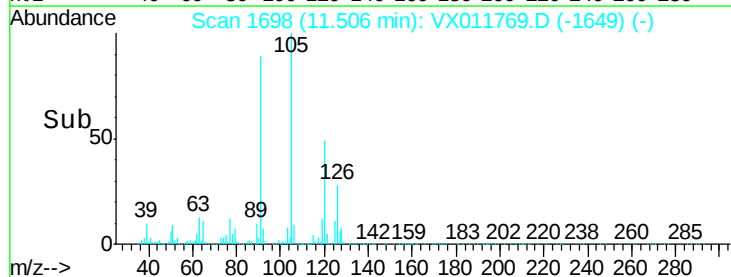
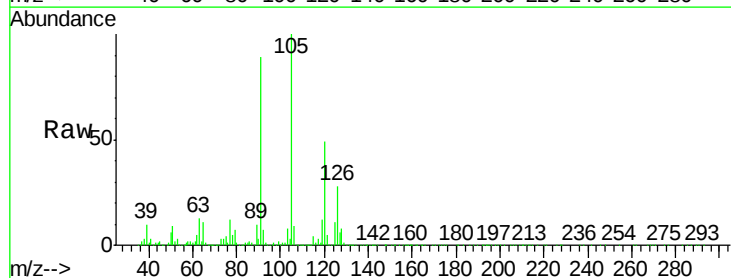
Acq: 22 Aug 2019 18:06

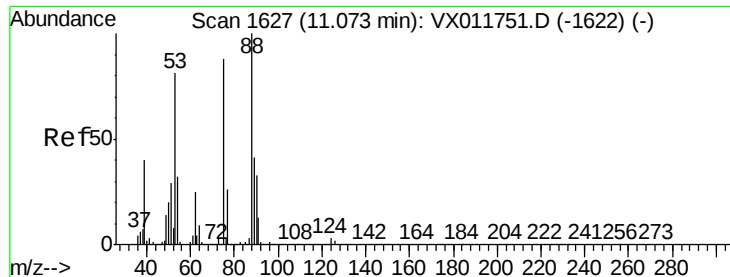
Tgt Ion: 105 Resp: 264144

Ion Ratio Lower Upper

105 100

120 48.9 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 16.951 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Instrument :

MSVOA_X

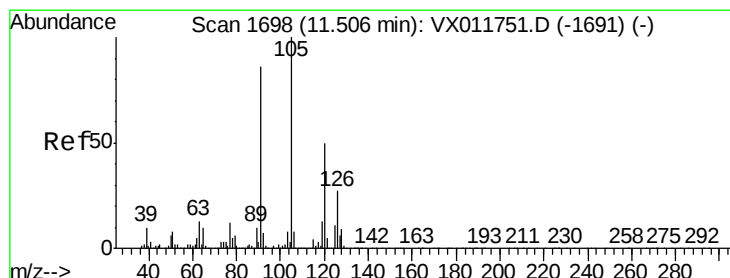
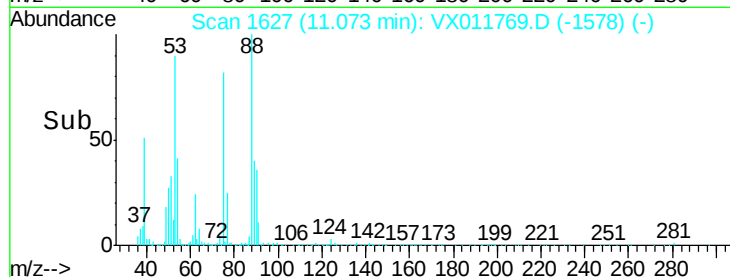
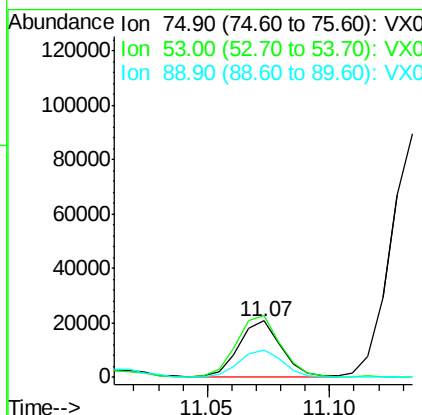
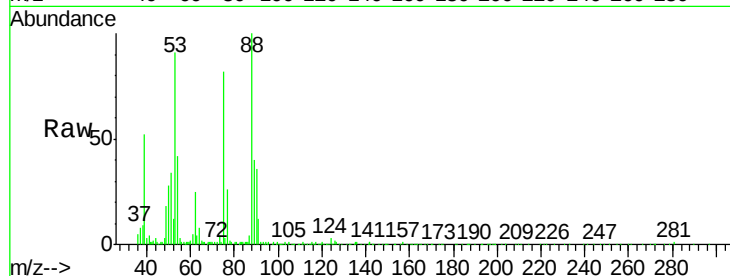
ClientSampleId :

VX0822WBSD01

Tot Ion:	75	Resp:	24874
Ion	Ratio	Lower	Upper
75	100		
53	111.3	77.1	115.7
89	49.8	38.5	57.7

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:42:00 AM



#82

4-Chlorotoluene

Concen: 20.233 ug/l

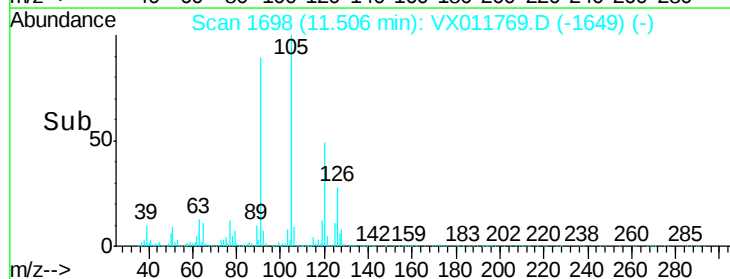
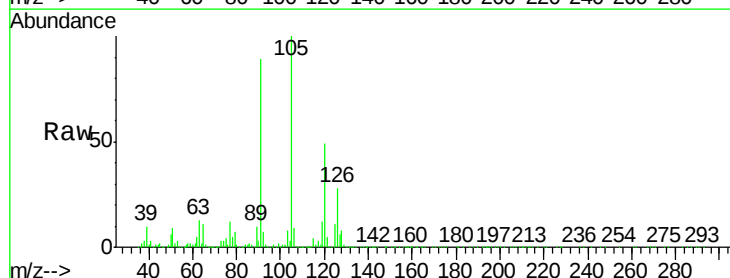
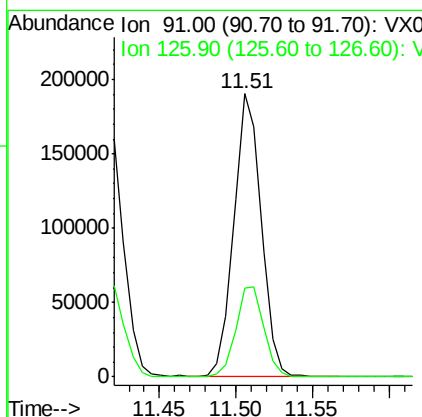
RT: 11.51 min Scan# 1698

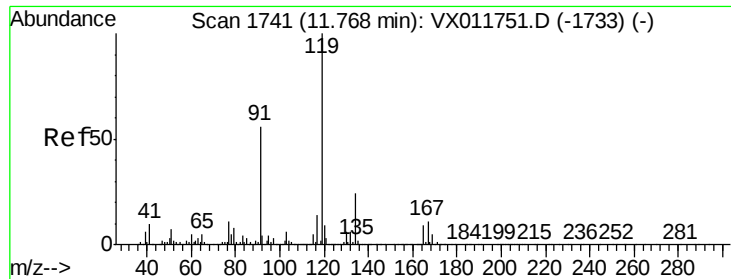
Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Tgt Ion:	91	Resp:	235809
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.2	48.6





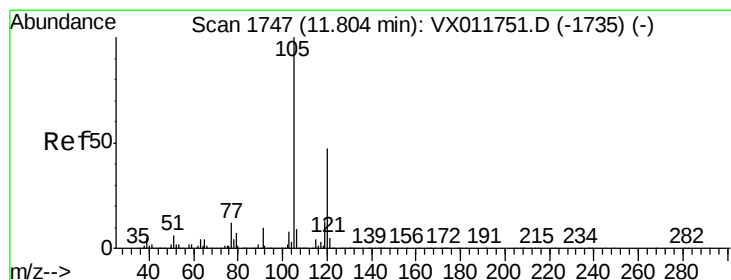
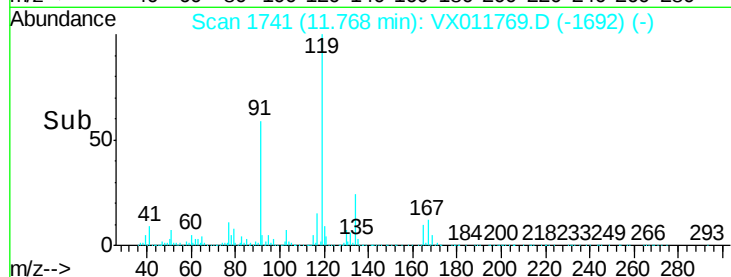
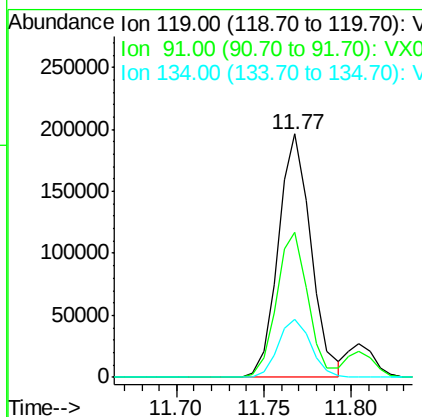
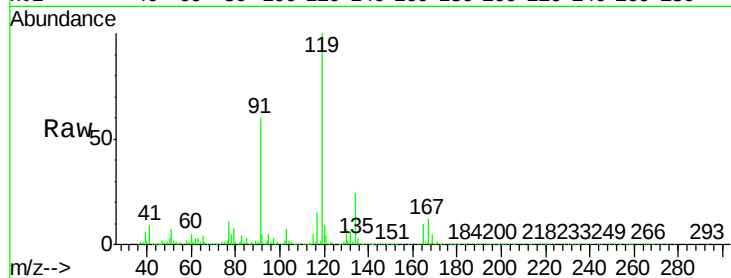
#83
tert-Butylbenzene
Concen: 20.422 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	255516		
91	58.2		27.7	83.1
134	24.2		11.8	35.3

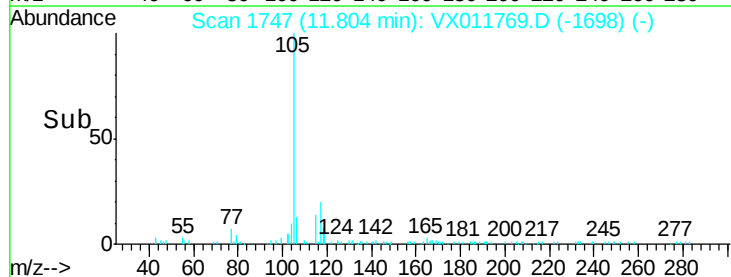
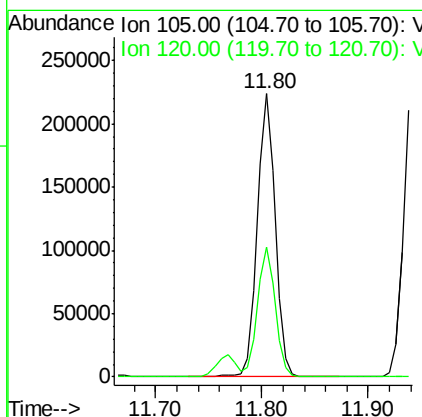
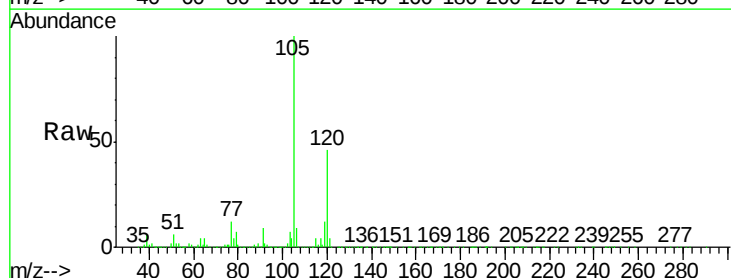
Manual Integrations
APPROVED

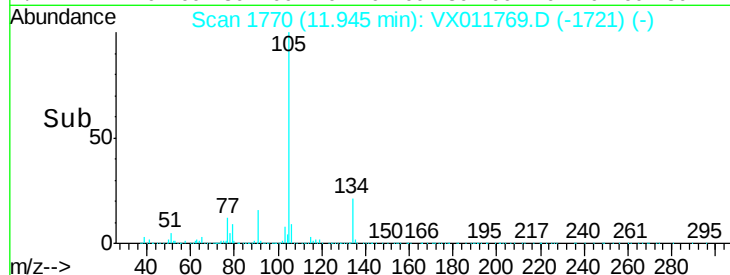
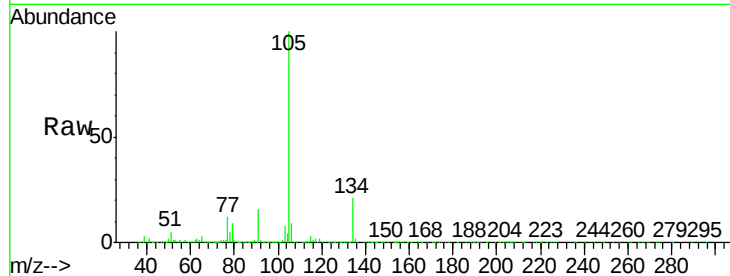
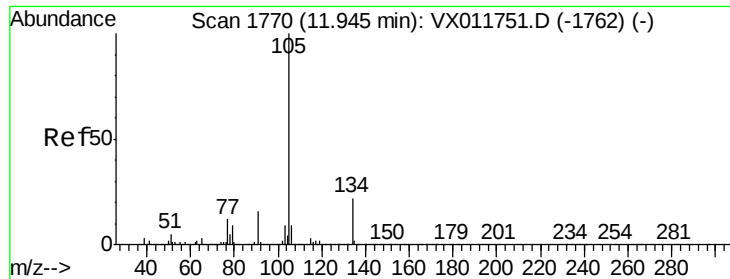
MMDadoda
8/23/2019 8:42:00 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.732 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX011769.D
Acq: 22 Aug 2019 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	265493		
120	45.0		23.7	71.1





#85

sec-Butylbenzene

Concen: 20.698 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Tot Ion	Ratio	Resp	Lower	Upper
105	100	296232		
134	21.5	10.8	32.3	

Instrument :

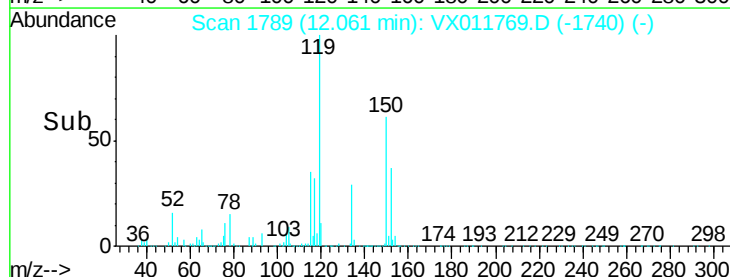
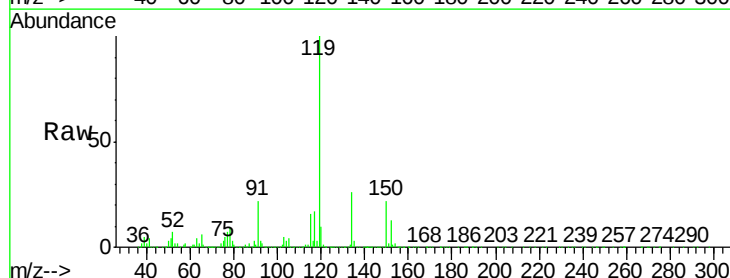
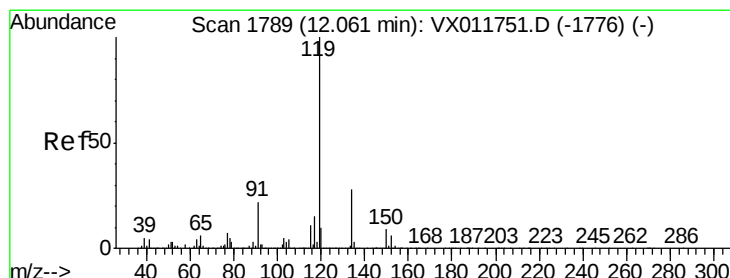
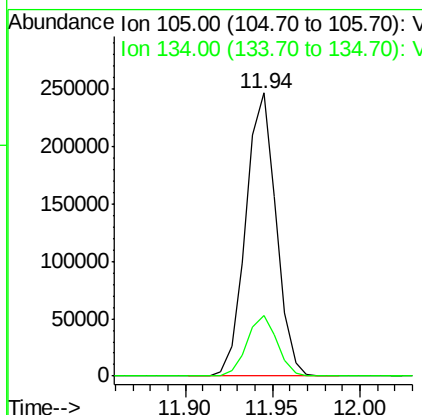
MSVOA_X

ClientSampleId :

VX0822WBSD01

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:42:00 AM



#86

p-Isopropyltoluene

Concen: 20.095 ug/l

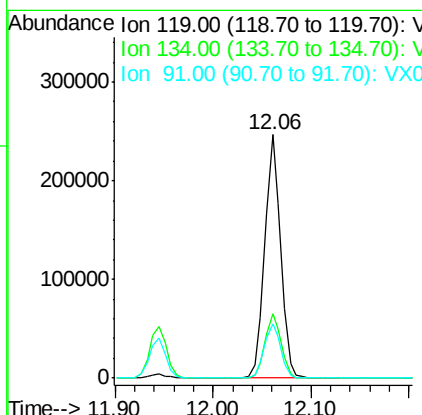
RT: 12.06 min Scan# 1789

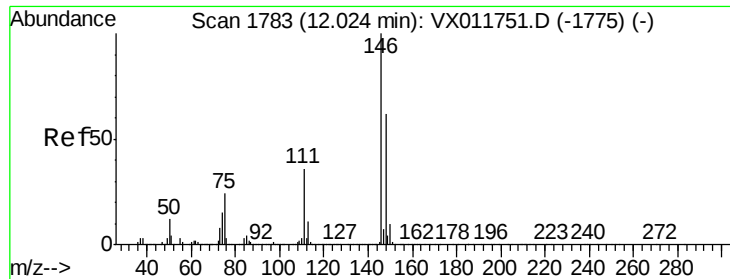
Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	276711		
134	27.0	13.7	41.0	
91	23.2	11.1	33.3	





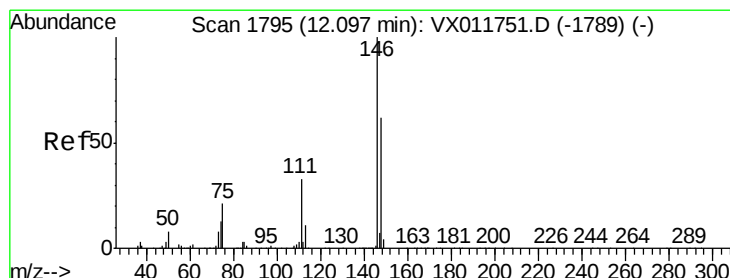
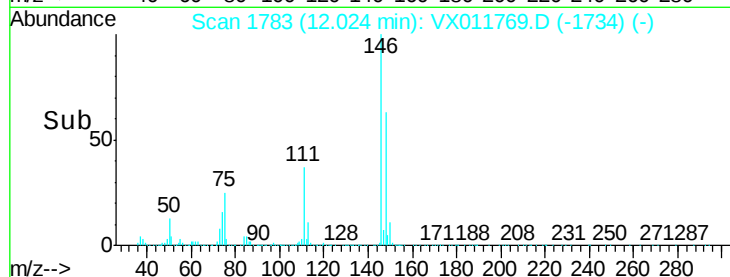
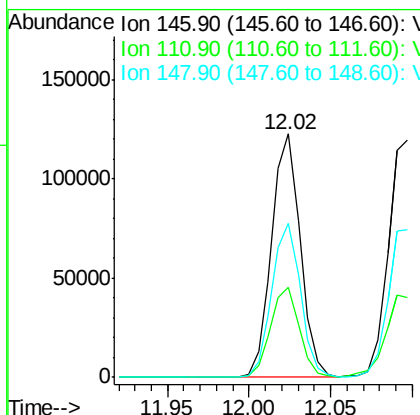
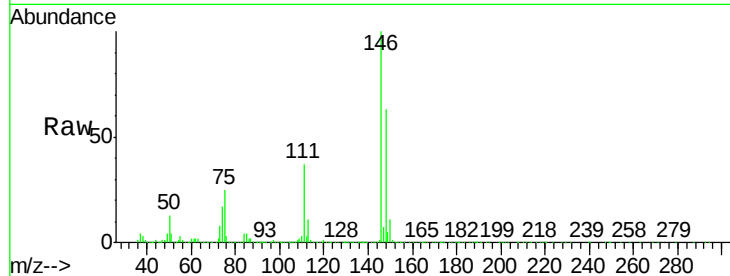
#87
 1,3-Dichlorobenzene
 Concen: 19.404 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011769.D
 Acq: 22 Aug 2019 18:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.1	54.4
148	63.5	31.6	94.7

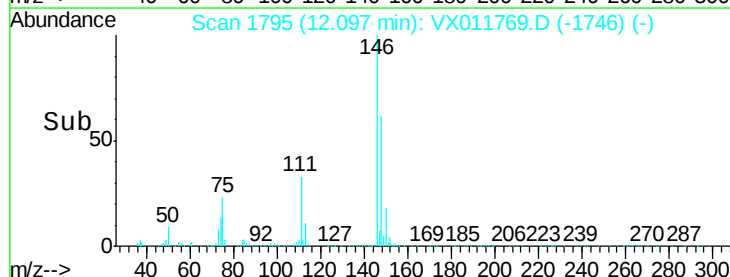
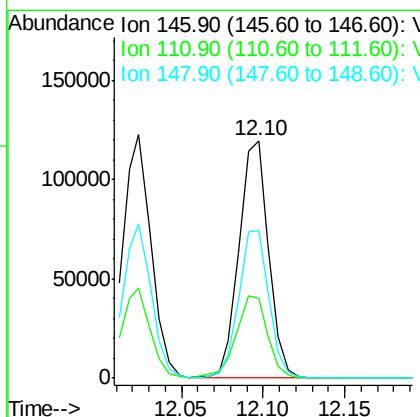
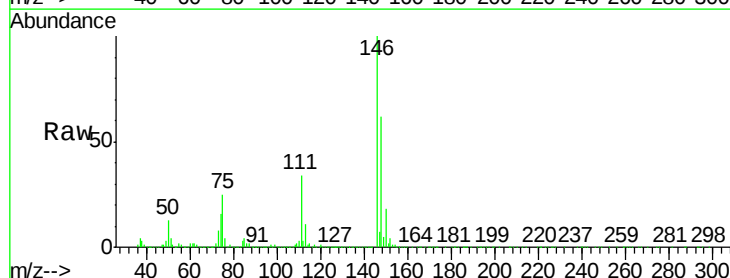
Manual Integrations
 APPROVED

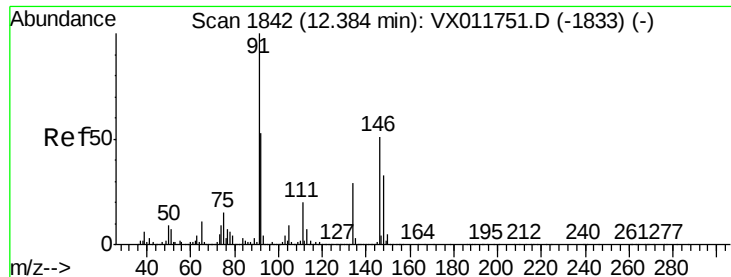
MMDadoda
 8/23/2019 8:42:00 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.256 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011769.D
 Acq: 22 Aug 2019 18:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	17.8	53.4
148	64.3	31.9	95.7





#89

n-Butylbenzene

Concen: 19.575 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Instrument :

MSVOA_X

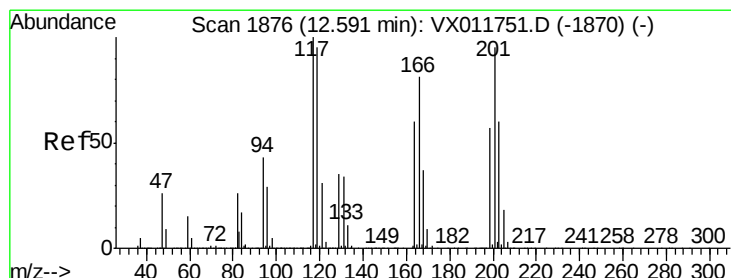
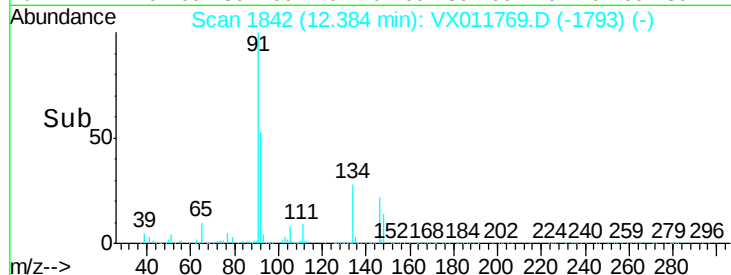
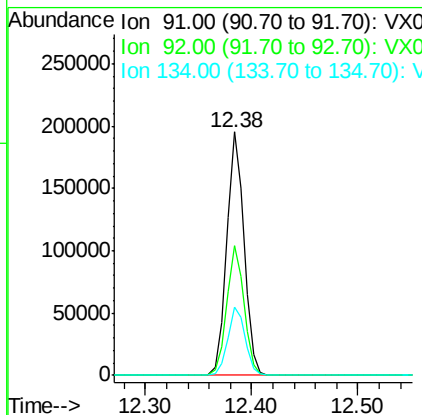
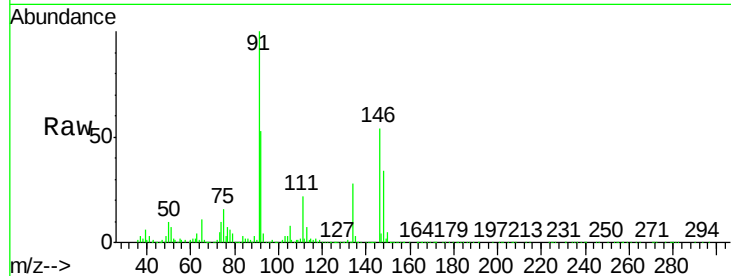
ClientSampleId :

VX0822WBSD01

Tot Ion:	91	Resp:	223141
Ion Ratio	Lower	Upper	
91	100		
92	53.1	26.7	80.0
134	28.3	14.6	43.8

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:42:00 AM



#90

Hexachloroethane

Concen: 19.341 ug/l

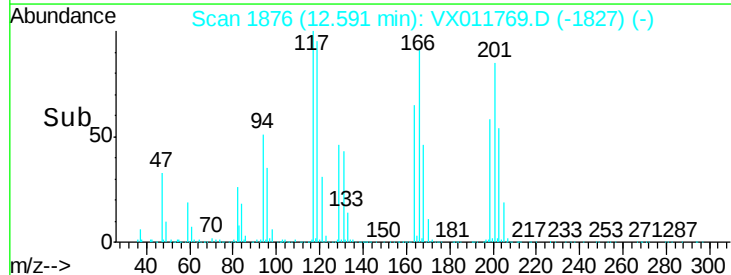
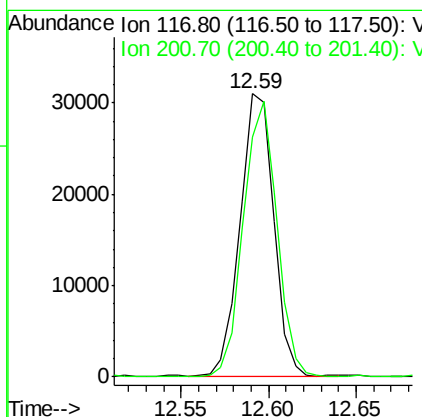
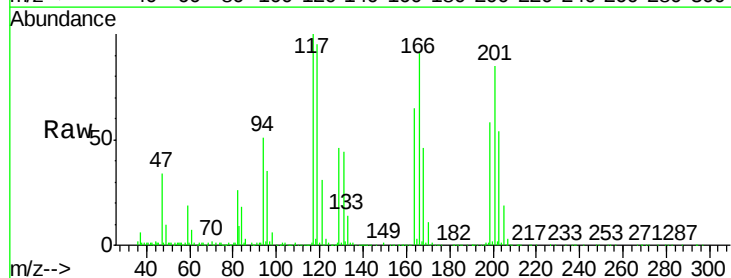
RT: 12.59 min Scan# 1876

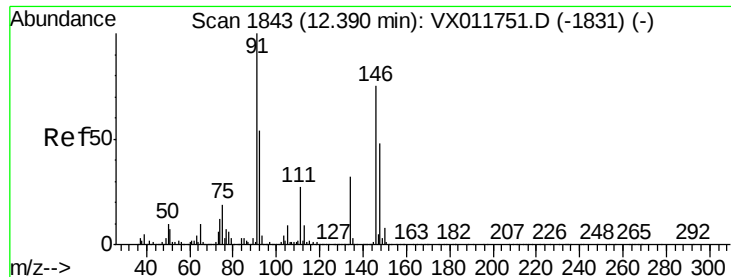
Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Tgt Ion:	117	Resp:	41376
Ion Ratio	Lower	Upper	
117	100		
201	97.4	49.6	149.0





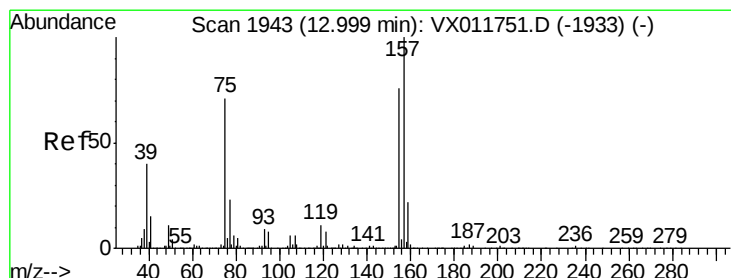
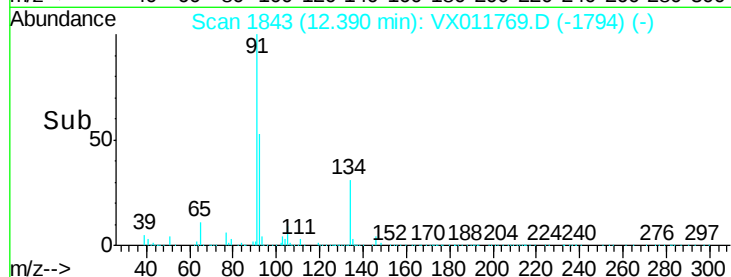
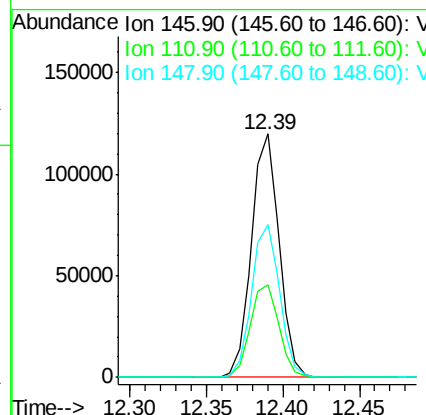
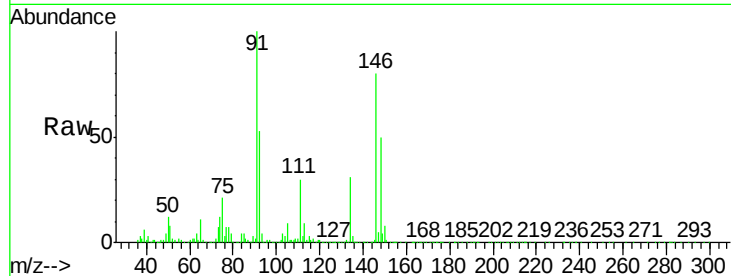
#91
 1,2-Dichlorobenzene
 Concen: 19.291 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011769.D
 Acq: 22 Aug 2019 18:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	150128		
111	39.3	18.8	56.4	
148	64.1	31.6	95.0	

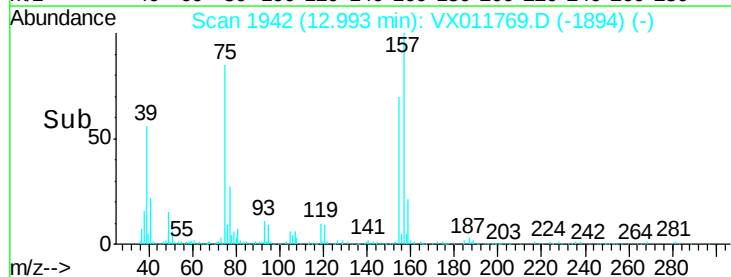
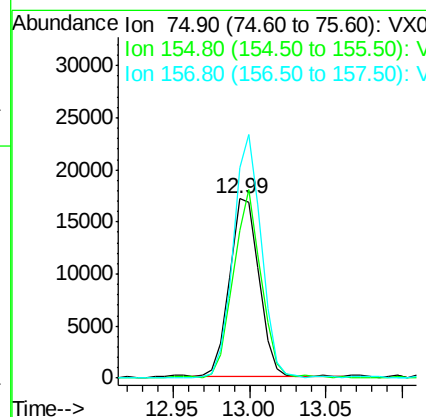
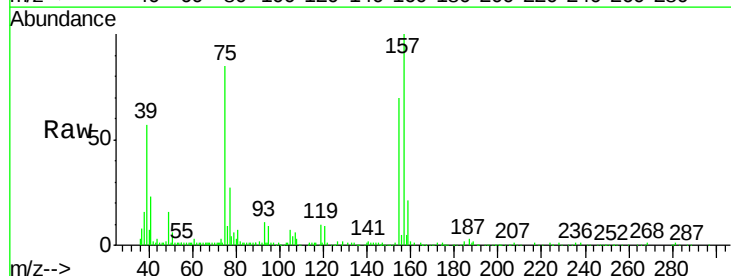
Manual Integrations
 APPROVED

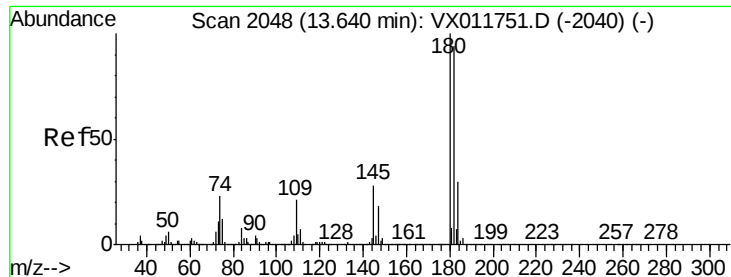
MMDadoda
 8/23/2019 8:42:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.588 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011769.D
 Acq: 22 Aug 2019 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22906		
155	101.1	52.6	157.9	
157	130.5	68.3	204.9	





#93

1,2,4-Trichlorobenzene

Concen: 18.438 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Instrument :

MSVOA_X

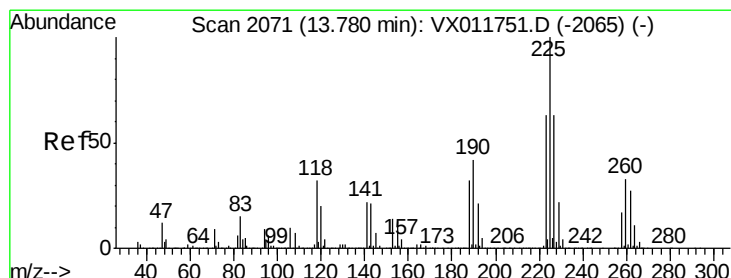
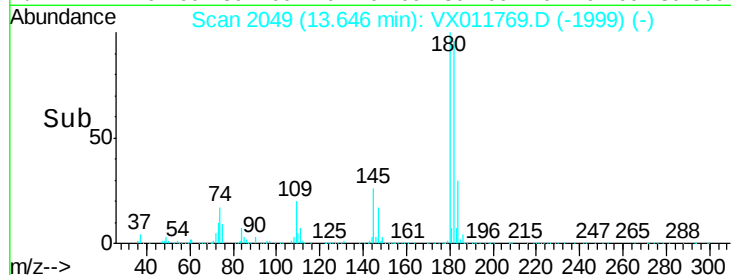
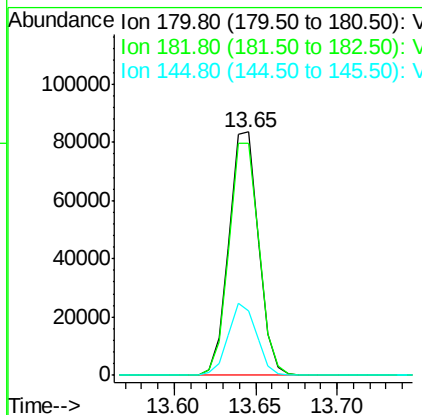
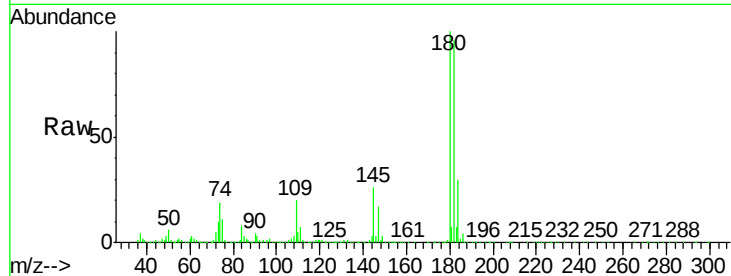
ClientSampleId :

VX0822WBSD01

Tot Ion:	180	Resp:	105551
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.8	143.4
145	28.5	14.1	42.3

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:42:00 AM



#94

Hexachlorobutadiene

Concen: 18.542 ug/l

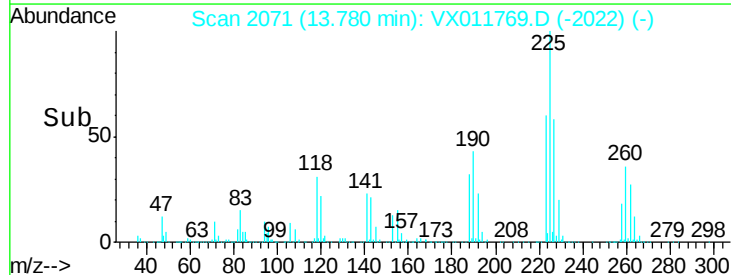
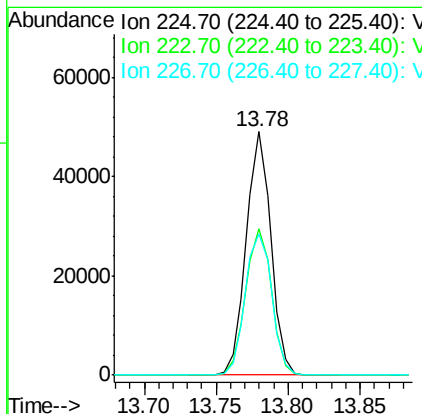
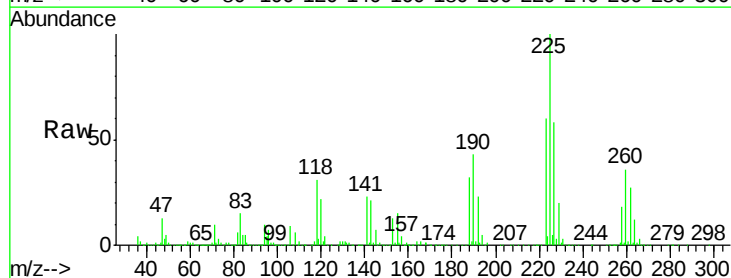
RT: 13.78 min Scan# 2071

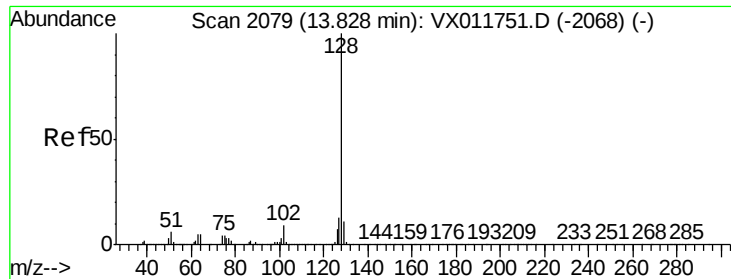
Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Tgt Ion:	225	Resp:	58165
Ion Ratio	Lower	Upper	
225	100		
223	63.2	31.0	93.0
227	62.8	31.8	95.3





#95

Naphthalene

Concen: 20.037 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Instrument :

MSVOA_X

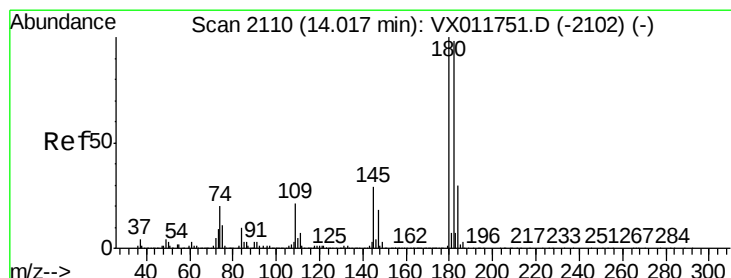
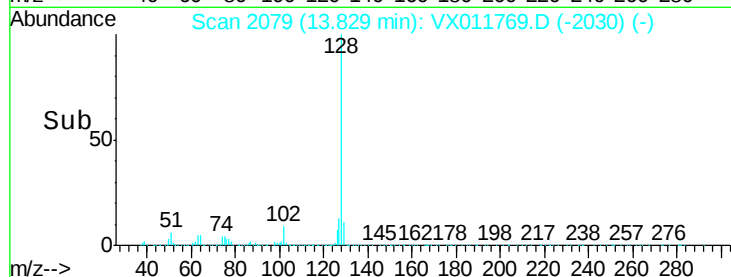
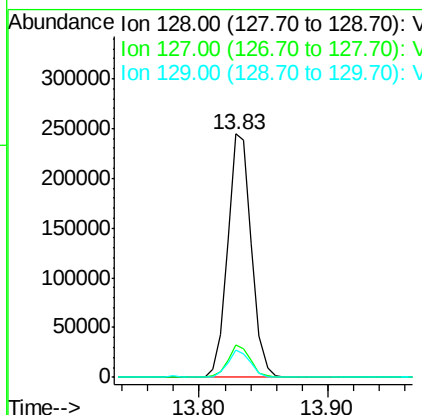
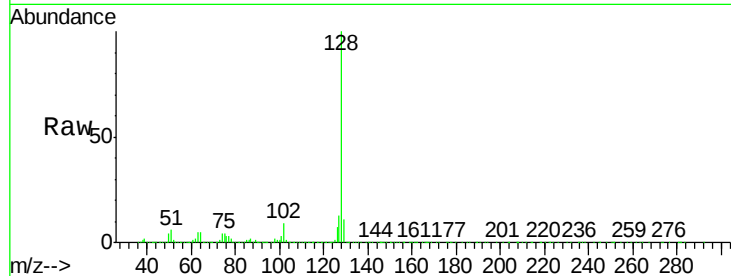
ClientSampleId :

VX0822WBSD01

Tot Ion:	128	Resp:	315913
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/23/2019 8:42:00 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.823 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011769.D

Acq: 22 Aug 2019 18:06

Tgt Ion:	180	Resp:	108192
Ion Ratio	Lower	Upper	
180	100		
182	96.2	48.5	145.5
145	29.8	14.6	43.8

