

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092519\
 Data File : VX012655.D
 Acq On : 25 Sep 2019 12:45
 Operator : JC/SP
 Sample : VX0925WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0925WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 9:33:42 AM

Quant Time: Sep 25 23:37:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	175960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	318018	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	280880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	124177	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	133698	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
35) Dibromofluoromethane	5.48	113	96907	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
50) Toluene-d8	8.71	98	362133	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
62) 4-Bromofluorobenzene	11.14	95	140630	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	39048	19.726	ug/l	100
3) Chloromethane	1.32	50	44739	19.682	ug/l	97
4) Vinyl Chloride	1.40	62	47277	20.925	ug/l	97
5) Bromomethane	1.63	94	23307	26.238	ug/l	99
6) Chloroethane	1.72	64	31008	20.359	ug/l	98
7) Trichlorofluoromethane	1.92	101	65777	20.736	ug/l	96
8) Diethyl Ether	2.18	74	28062	21.587	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	39064	20.219	ug/l	98
10) Methyl Iodide	2.50	142	37981	21.765	ug/l	95
11) Tert butyl alcohol	3.03	59	75063	117.271	ug/l	100
12) 1,1-Dichloroethene	2.36	96	39517	20.888	ug/l	94
13) Acrolein	2.28	56	27335	83.757	ug/l	98
14) Allyl chloride	2.72	41	79746	21.246	ug/l	98
15) Acrylonitrile	3.13	53	141180	108.717	ug/l	99
16) Acetone	2.43	43	136588	100.639	ug/l	99
17) Carbon Disulfide	2.56	76	99221	18.707	ug/l	100
18) Methyl Acetate	2.76	43	68961	21.579	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	154661	21.598	ug/l	99
20) Methylene Chloride	2.84	84	48014	20.916	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	42841	20.440	ug/l	93
22) Diisopropyl ether	3.84	45	154723	21.333	ug/l	98
23) Vinyl Acetate	3.80	43	685737	107.814	ug/l	99
24) 1,1-Dichloroethane	3.69	63	83913	21.285	ug/l	98
25) 2-Butanone	4.66	43	205480	105.589	ug/l	96
26) 2,2-Dichloropropane	4.57	77	71818	20.482	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	49509	20.358	ug/l	100
28) Bromochloromethane	5.00	49	26901	18.792	ug/l	98
29) Tetrahydrofuran	5.12	42	129587	109.253	ug/l	98
30) Chloroform	5.20	83	84204	20.877	ug/l	95
31) Cyclohexane	5.57	56	74558	20.905	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	75106	21.010	ug/l	99
36) 1,1-Dichloropropene	5.79	75	61499	20.063	ug/l	99
37) Ethyl Acetate	4.82	43	76750	21.416	ug/l	98
38) Carbon Tetrachloride	5.78	117	62694	20.134	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092519\
 Data File : VX012655.D
 Acq On : 25 Sep 2019 12:45
 Operator : JC/SP
 Sample : VX0925WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0925WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 9:33:42 AM

Quant Time: Sep 25 23:37:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	71981	19.506	ug/l	96
40) Benzene	6.14	78	185704	20.590	ug/l	100
41) Methacrylonitrile	5.03	41	41282	20.531	ug/l	96
42) 1,2-Dichloroethane	6.18	62	71627	20.913	ug/l	100
43) Isopropyl Acetate	6.43	43	122995	20.523	ug/l	99
44) Trichloroethene	7.21	130	45059	19.542	ug/l	84
45) 1,2-Dichloropropane	7.51	63	49258	21.332	ug/l	100
46) Dibromomethane	7.66	93	32469	20.652	ug/l	94
47) Bromodichloromethane	7.89	83	63063	20.070	ug/l	97
48) Methyl methacrylate	7.76	41	60432	21.030	ug/l	97
49) 1,4-Dioxane	7.73	88	27427	420.791	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	391240	105.757	ug/l	98
52) Toluene	8.78	92	115508	20.377	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	70036	20.145	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	76476	20.147	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	46231	20.514	ug/l	98
56) Ethyl methacrylate	9.17	69	79109	20.894	ug/l	95
57) 1,3-Dichloropropane	9.37	76	82304	20.867	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	178668	105.129	ug/l	98
59) 2-Hexanone	9.48	43	300218	106.021	ug/l	96
60) Dibromochloromethane	9.57	129	45500	19.944	ug/l	99
61) 1,2-Dibromoethane	9.67	107	48727	20.775	ug/l	99
64) Tetrachloroethene	9.33	164	42045	21.470	ug/l	94
65) Chlorobenzene	10.14	112	120404	20.357	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	43486	20.292	ug/l	98
67) Ethyl Benzene	10.25	91	225069	20.980	ug/l	98
68) m/p-Xylenes	10.35	106	163765	40.751	ug/l	97
69) o-Xylene	10.70	106	81028	20.838	ug/l	99
70) Styrene	10.71	104	133803	20.526	ug/l	99
71) Bromoform	10.85	173	28280	18.952	ug/l #	97
73) Isopropylbenzene	11.01	105	213277	21.088	ug/l	100
74) N-amyl acetate	10.89	43	102257	21.193	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	72022	21.502	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	70172m	21.363	ug/l	
77) Bromobenzene	11.25	156	47753	20.862	ug/l	96
78) n-propylbenzene	11.35	91	236390	20.761	ug/l	100
79) 2-Chlorotoluene	11.42	91	147671	20.790	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	181692	21.423	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	21715	18.945	ug/l	94
82) 4-Chlorotoluene	11.51	91	172943	21.359	ug/l	97
83) tert-Butylbenzene	11.77	119	170629	20.856	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	182510	21.332	ug/l	97
85) sec-Butylbenzene	11.94	105	200934	21.116	ug/l	99
86) p-Isopropyltoluene	12.06	119	182783	21.288	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	83880	20.362	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	85053	20.433	ug/l	97
89) n-Butylbenzene	12.38	91	152435	20.147	ug/l	98
90) Hexachloroethane	12.59	117	29255	19.111	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	86941	21.081	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	17591	20.995	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092519\
Data File : VX012655.D
Acq On : 25 Sep 2019 12:45
Operator : JC/SP
Sample : VX0925WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBSD01

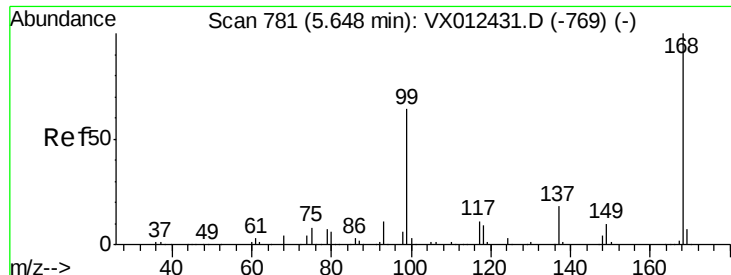
Manual Integrations
APPROVED

MMDadoda
9/26/2019 9:33:42 AM

Quant Time: Sep 25 23:37:06 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	49741	19.777	ug/l	99
94) Hexachlorobutadiene	13.77	225	22288	20.599	ug/l	95
95) Naphthalene	13.83	128	196487	21.593	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	51798	20.559	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBSD01

Tot Ion:168 Resp: 175960

Ion Ratio Lower Upper

168 100

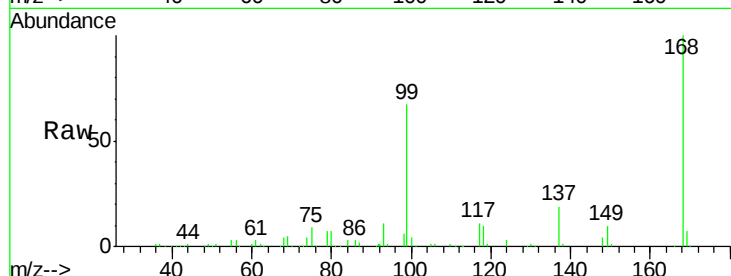
99 67.2 51.4 77.2

Manual Integrations

APPROVED

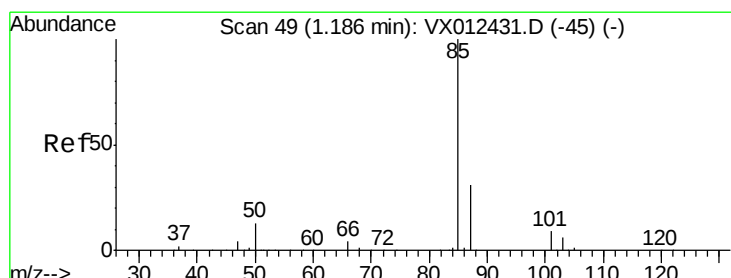
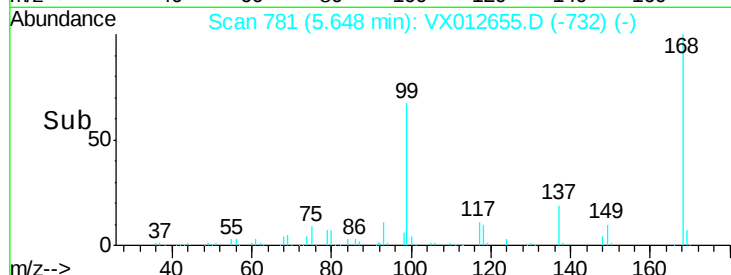
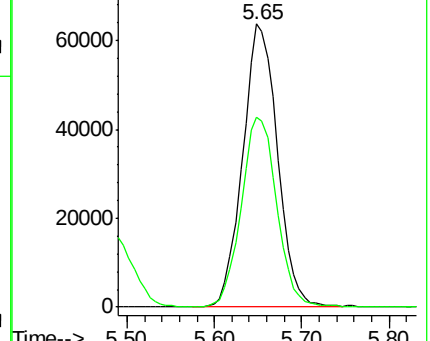
MMDadoda

9/26/2019 9:33:42 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.726 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012655.D

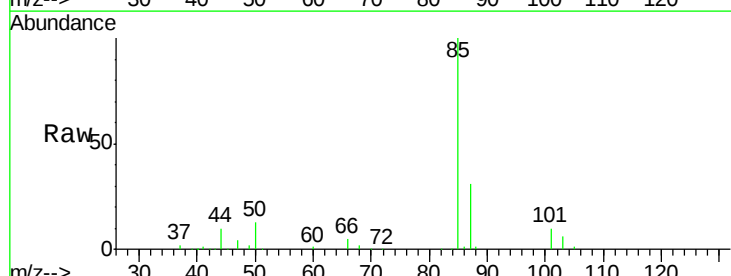
Acq: 25 Sep 2019 12:45

Tgt Ion: 85 Resp: 39048

Ion Ratio Lower Upper

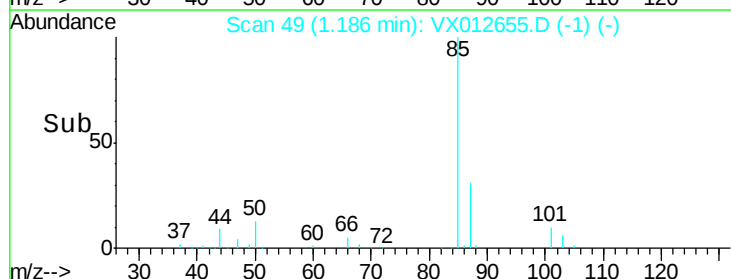
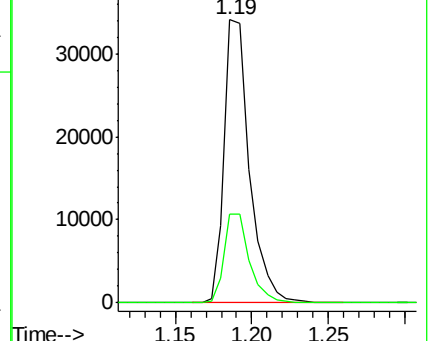
85 100

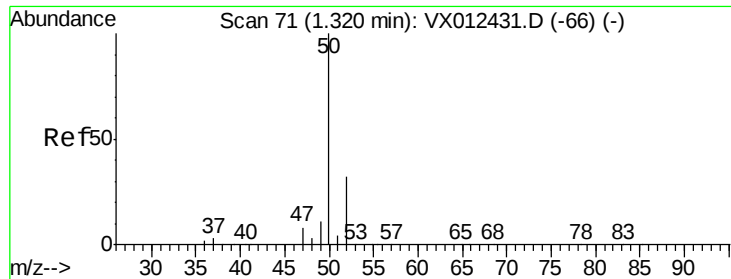
87 31.4 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.682 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBSD01

Tot Ion: 50 Resp: 44739

Ion Ratio Lower Upper

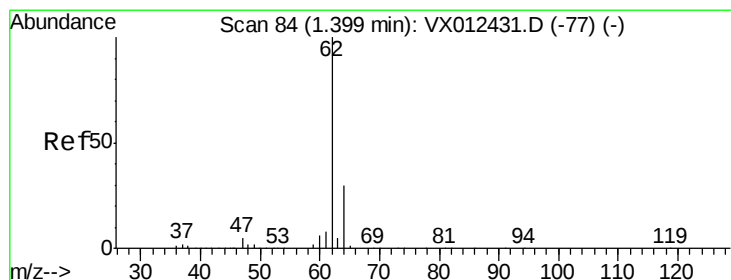
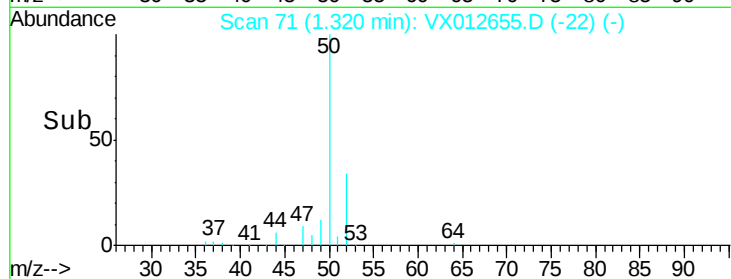
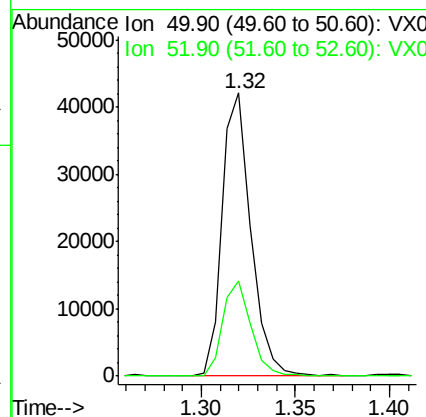
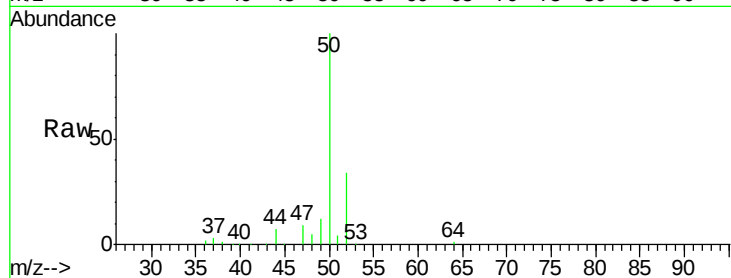
50 100

52 33.7 25.7 38.5

Manual Integrations
APPROVED

MMDadoda

9/26/2019 9:33:42 AM



#4

Vinyl Chloride

Concen: 20.925 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012655.D

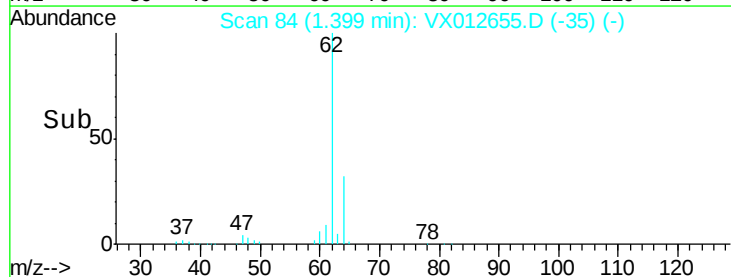
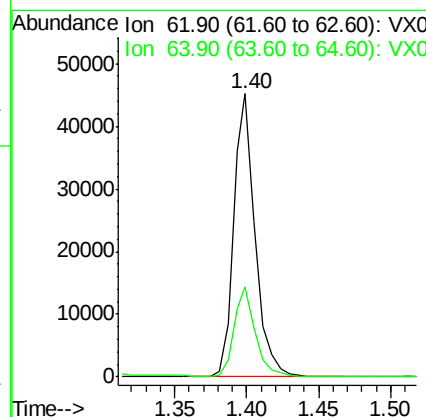
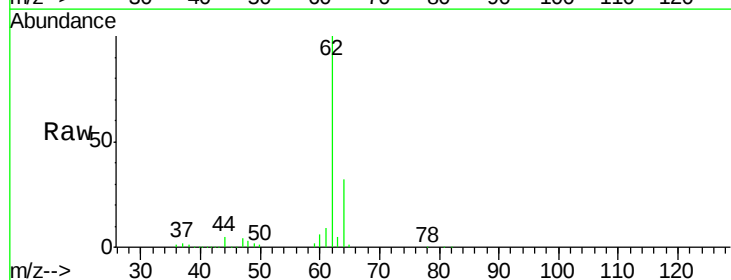
Acq: 25 Sep 2019 12:45

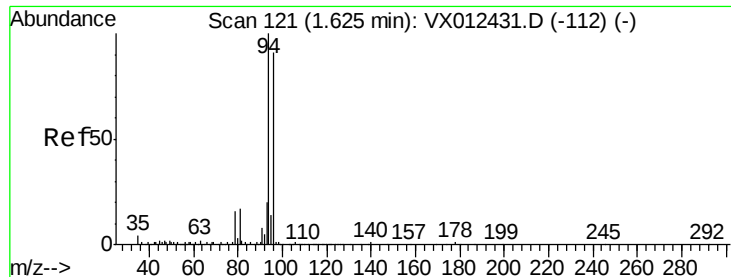
Tgt Ion: 62 Resp: 47277

Ion Ratio Lower Upper

62 100

64 31.7 24.2 36.2





#5

Bromomethane

Concen: 26.238 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBSD01

Tot Ion: 94 Resp: 23307

Ion Ratio Lower Upper

94 100

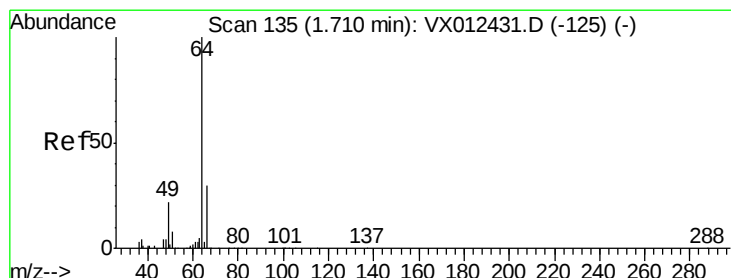
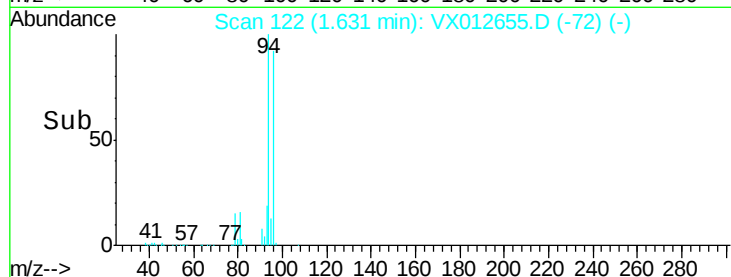
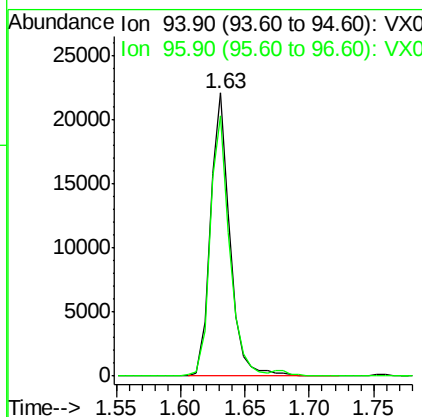
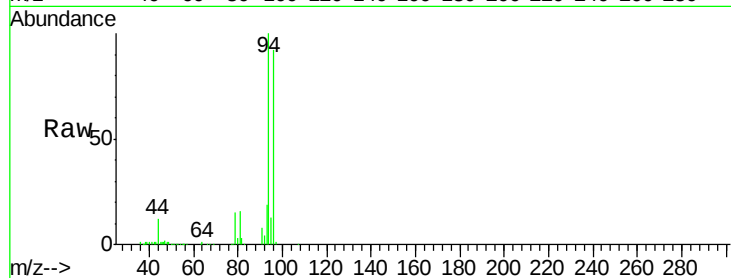
96 91.8 72.8 109.2

Manual Integrations

APPROVED

MMDadoda

9/26/2019 9:33:42 AM



#6

Chloroethane

Concen: 20.359 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012655.D

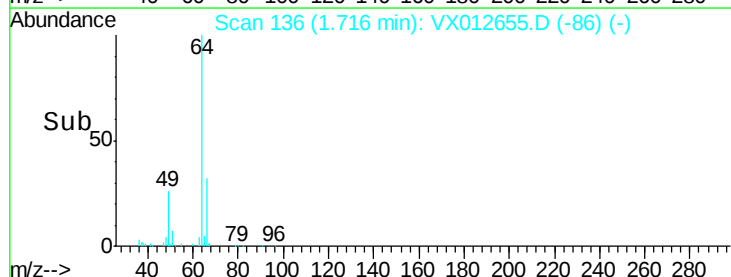
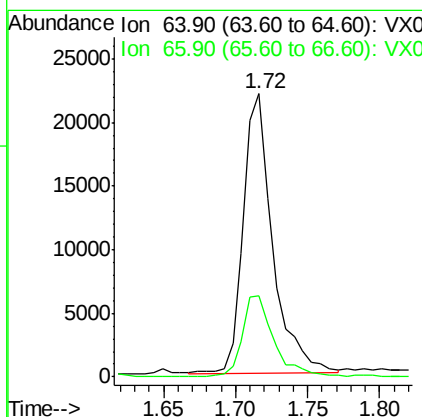
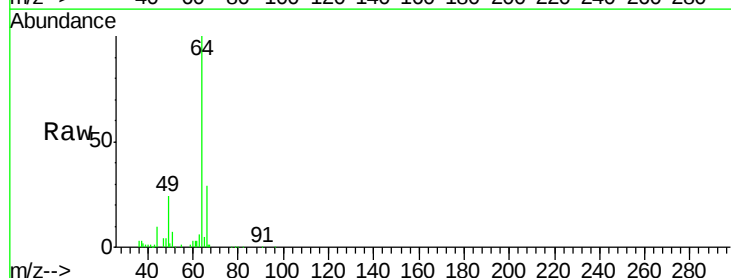
Acq: 25 Sep 2019 12:45

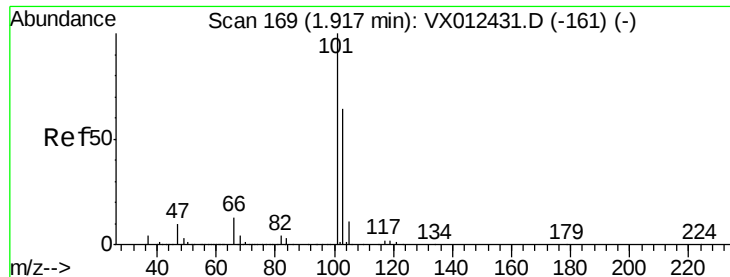
Tgt Ion: 64 Resp: 31008

Ion Ratio Lower Upper

64 100

66 29.1 24.0 36.0





#7

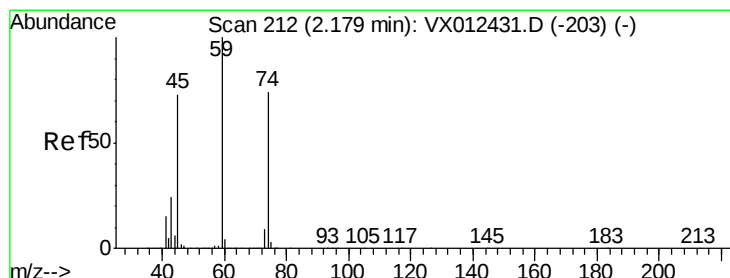
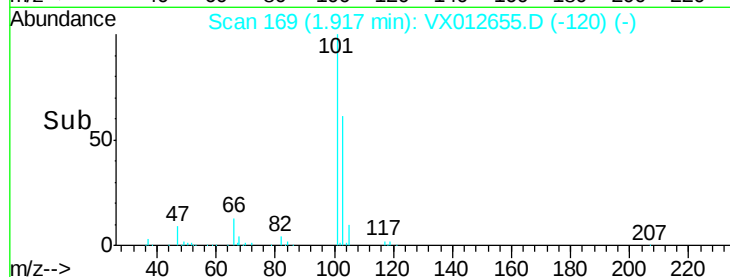
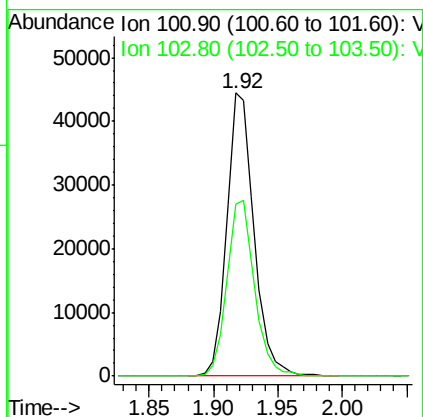
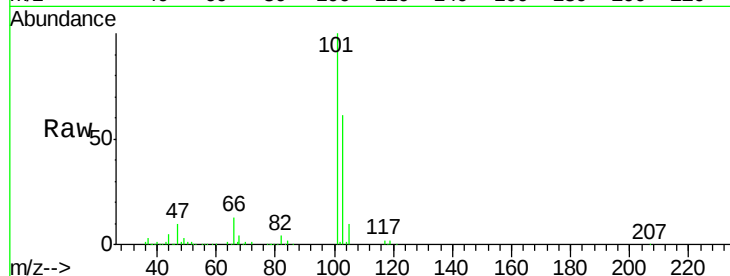
Trichlorofluoromethane
Concen: 20.736 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		65777		
103	60.7	51.0	76.4		

Manual Integrations
APPROVED

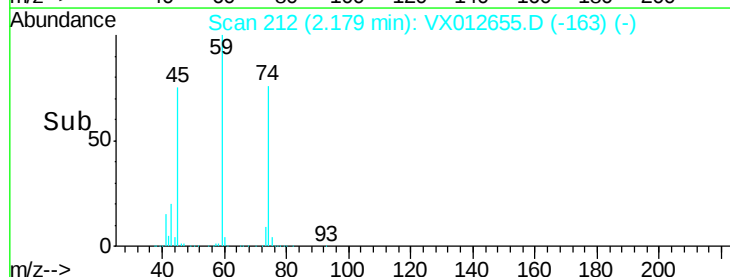
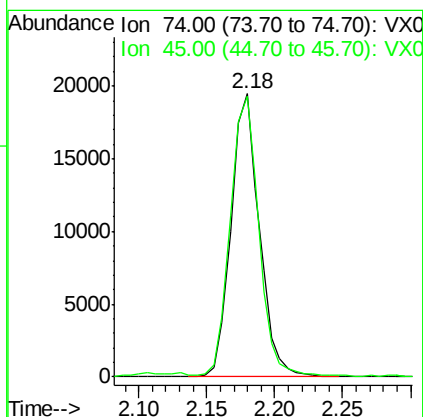
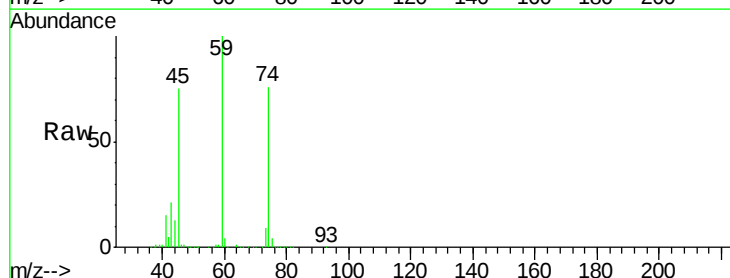
MMDadoda
9/26/2019 9:33:42 AM

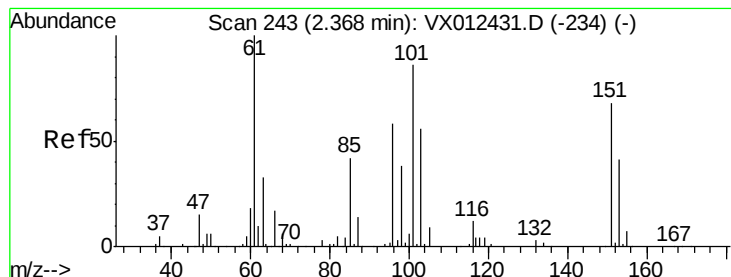


#8

Diethyl Ether
Concen: 21.587 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		28062		
45	101.7	49.9	149.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.219 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Instrument :

MSVOA_X

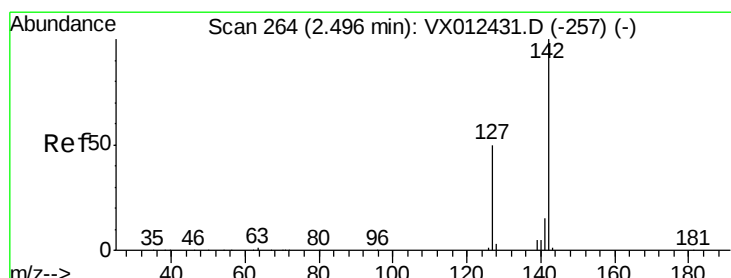
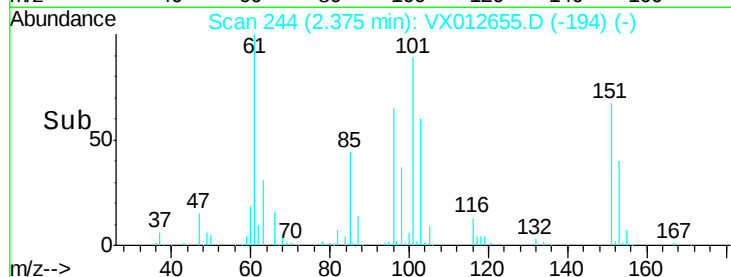
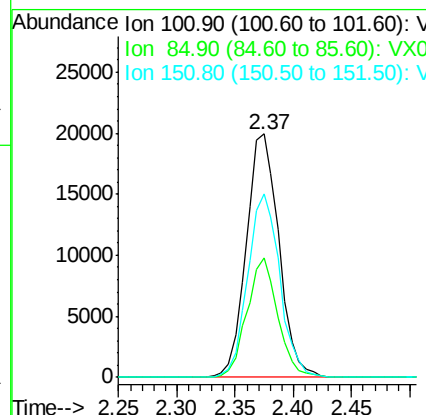
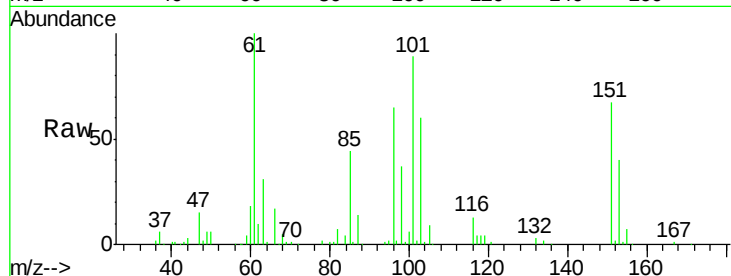
ClientSampleId :

VX0925WBSD01

Tot Ion:	101	Resp:	39064
Ion Ratio	Lower	Upper	
101	100		
85	46.3	37.3	55.9
151	74.3	61.0	91.4

Manual Integrations
APPROVED

MMDadoda
9/26/2019 9:33:42 AM



#10

Methyl Iodide

Concen: 21.765 ug/l

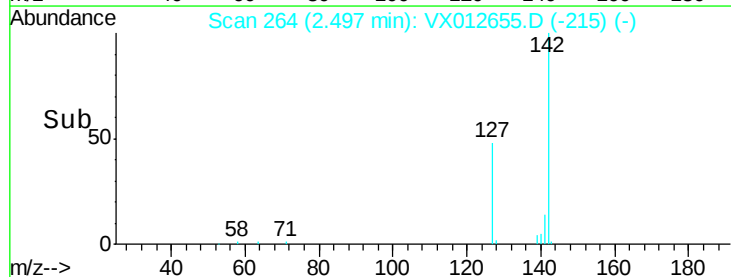
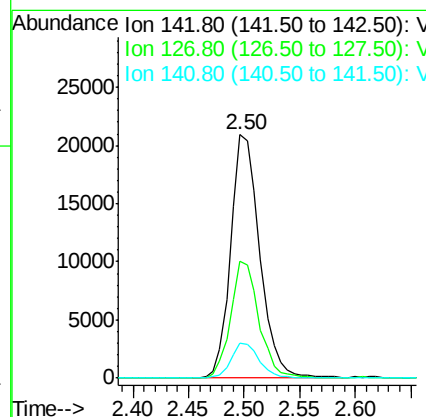
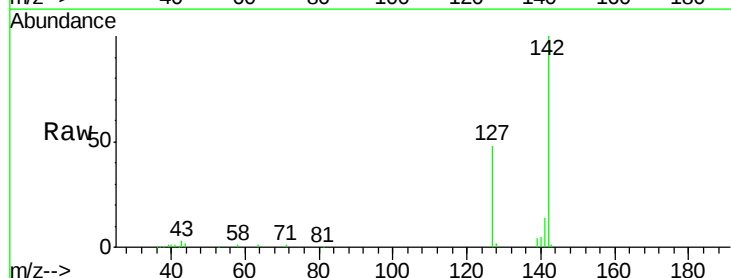
RT: 2.50 min Scan# 264

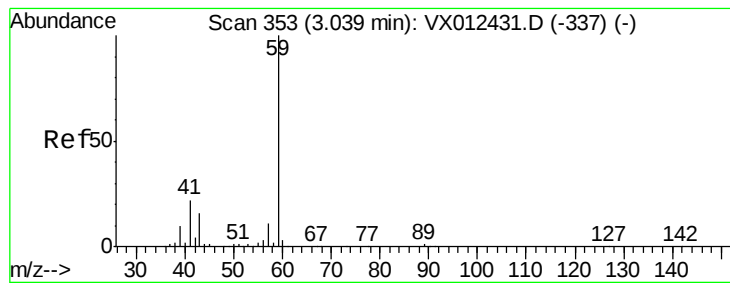
Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Tgt Ion:	142	Resp:	37981
Ion Ratio	Lower	Upper	
142	100		
127	46.8	40.8	61.2
141	13.8	12.1	18.1





#11

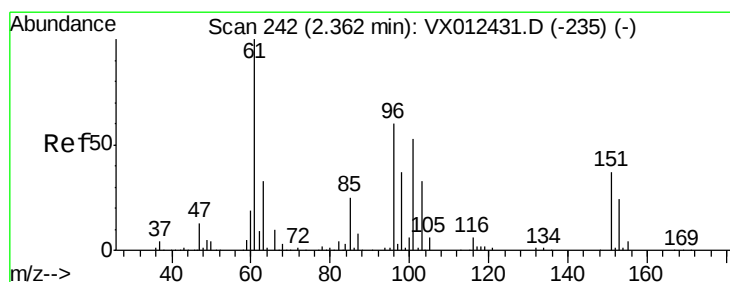
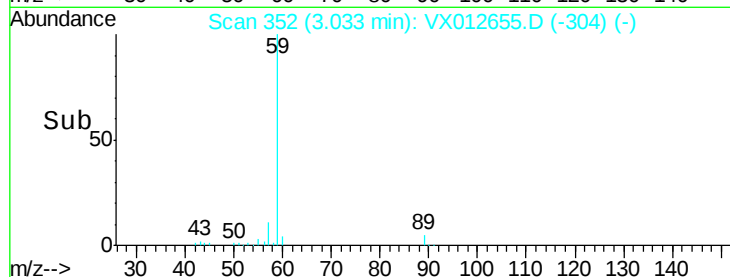
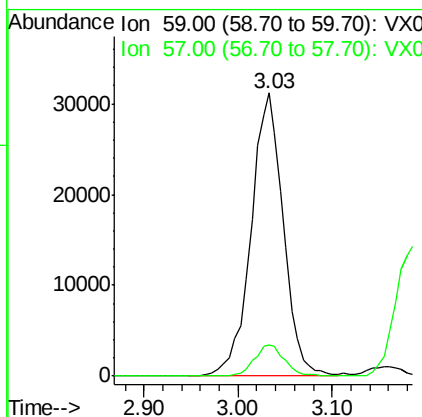
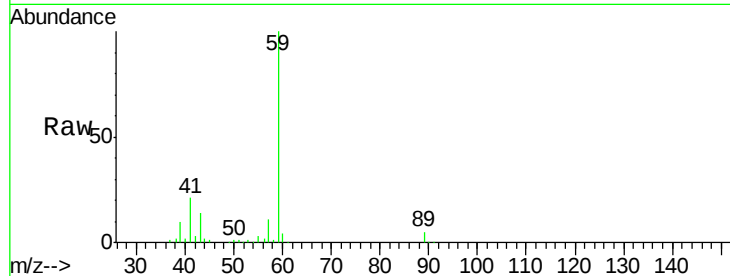
Tert butyl alcohol
 Concen: 117.271 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX012655.D
 Acq: 25 Sep 2019 12:45

Instrument :
 MSVOA_X
 ClientSampled :
 VX0925WBSD01

Tot Ion: 59 Resp: 75063
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.3 12.5

Manual Integrations
 APPROVED

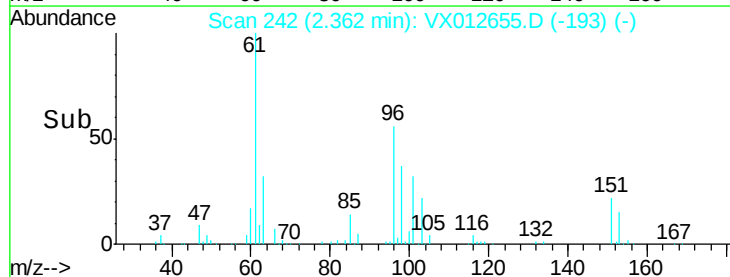
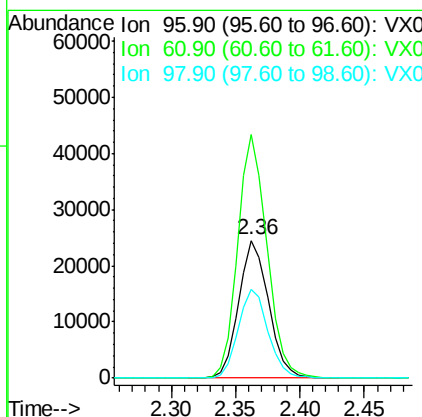
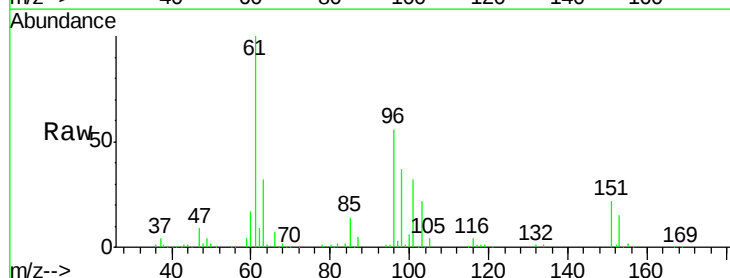
MMDadoda
 9/26/2019 9:33:42 AM

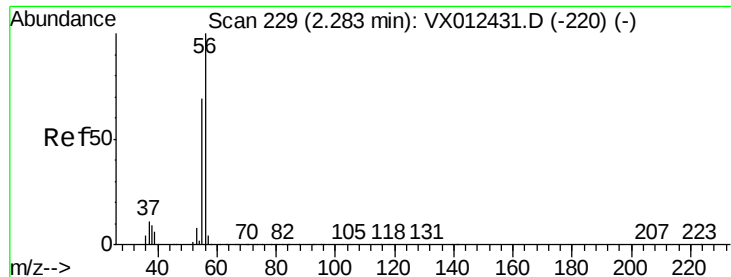


#12

1,1-Dichloroethene
 Concen: 20.888 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX012655.D
 Acq: 25 Sep 2019 12:45

Tgt Ion: 96 Resp: 39517
 Ion Ratio Lower Upper
 96 100
 61 177.0 133.8 200.6
 98 65.0 49.9 74.9





#13

Acrolein

Concen: 83.757 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBSD01

Tot Ion: 56 Resp: 27335

Ion Ratio Lower Upper

56 100

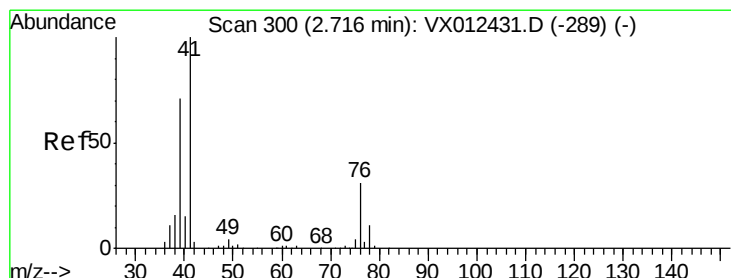
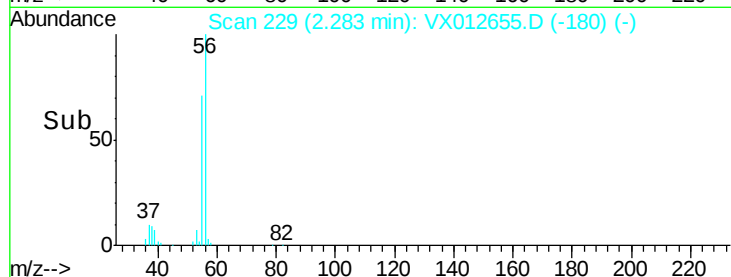
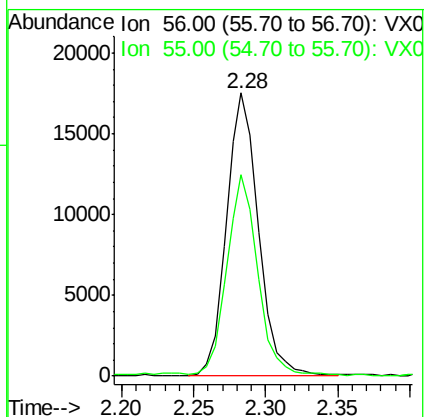
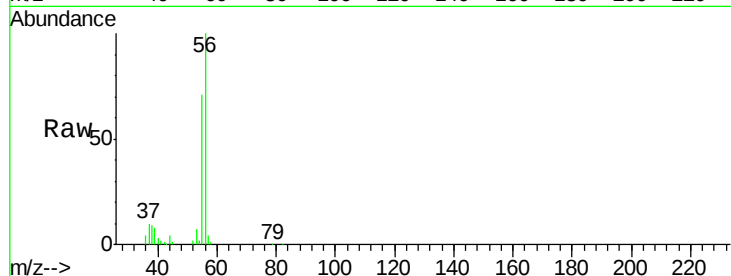
55 67.9 55.8 83.8

Manual Integrations

APPROVED

MMDadoda

9/26/2019 9:33:42 AM



#14

Allyl chloride

Concen: 21.246 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

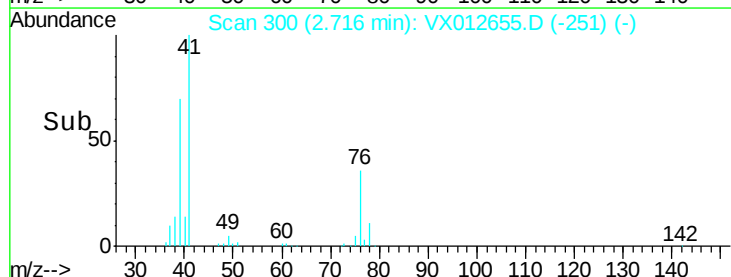
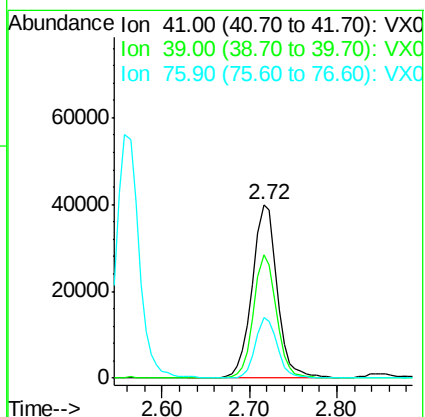
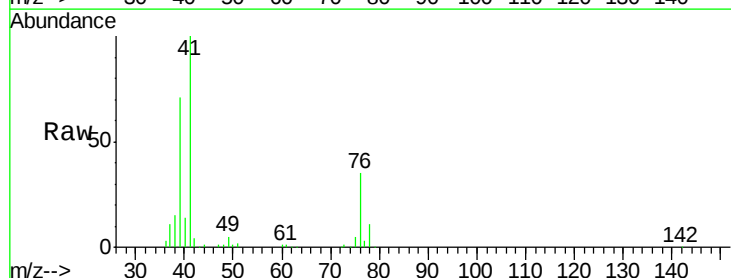
Tgt Ion: 41 Resp: 79746

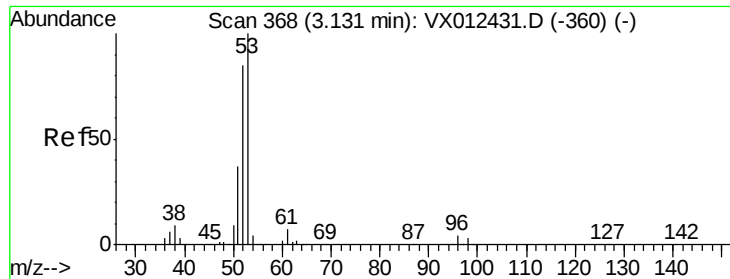
Ion Ratio Lower Upper

41 100

39 64.7 51.3 76.9

76 30.6 22.6 33.8





#15

Acrylonitrile

Concen: 108.717 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Instrument :

MSVOA_X

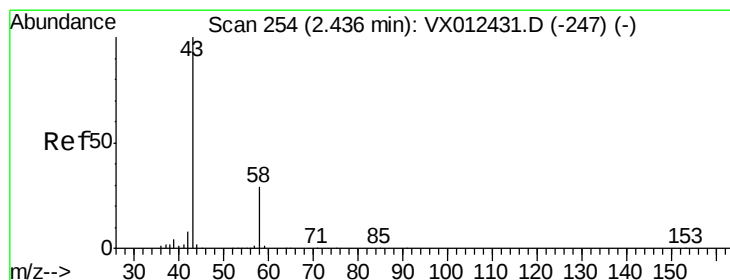
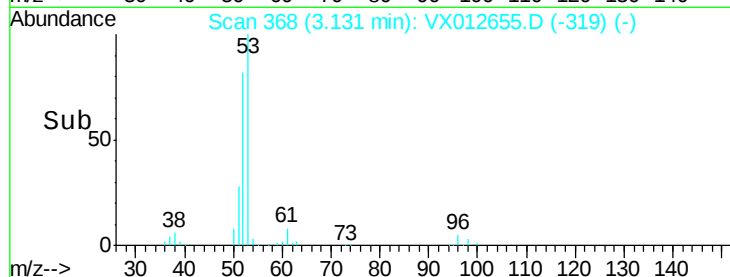
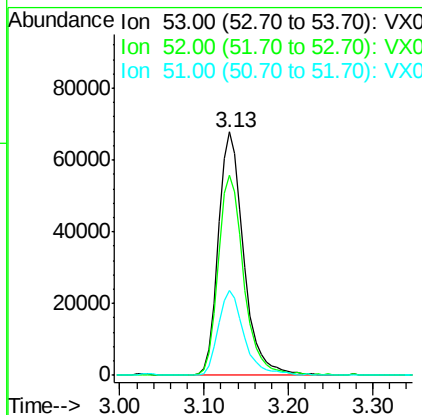
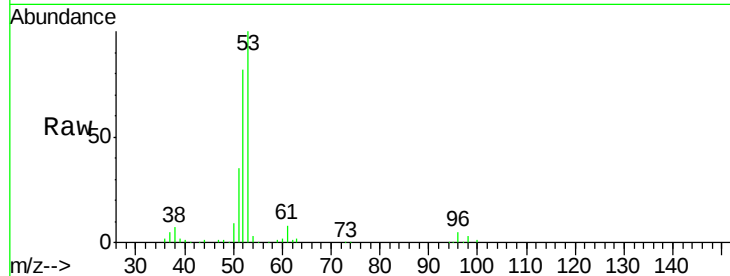
ClientSampleId :

VX0925WBSD01

Tot Ion:	53	Resp:	141180
Ion Ratio		Lower	Upper
53	100		
52	82.5	67.0	100.4
51	36.0	29.6	44.4

Manual Integrations
APPROVED

MMDadoda
9/26/2019 9:33:42 AM



#16

Acetone

Concen: 100.639 ug/l

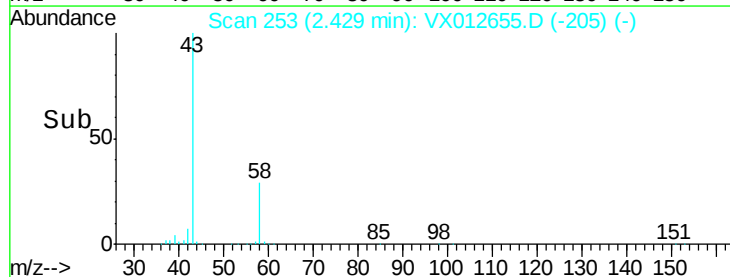
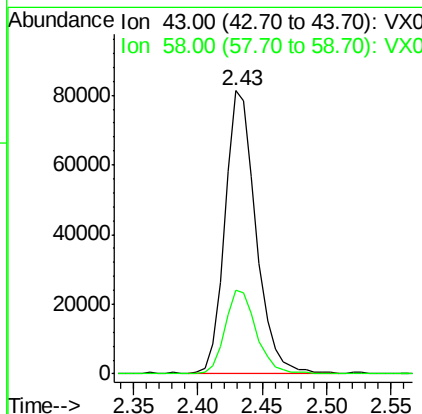
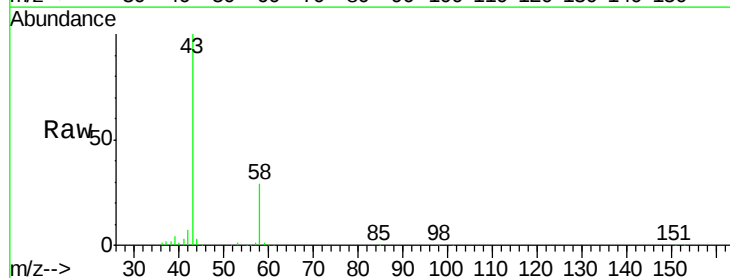
RT: 2.43 min Scan# 253

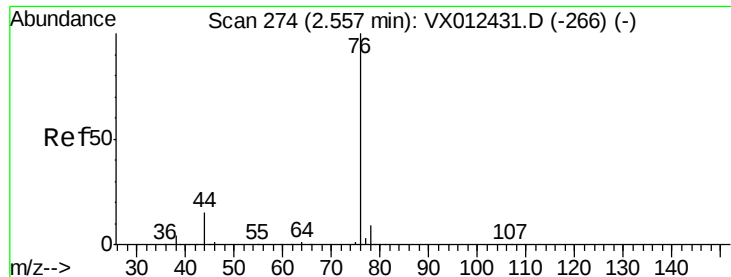
Delta R.T. -0.01 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Tgt Ion:	43	Resp:	136588
Ion Ratio		Lower	Upper
43	100		
58	29.5	23.3	34.9





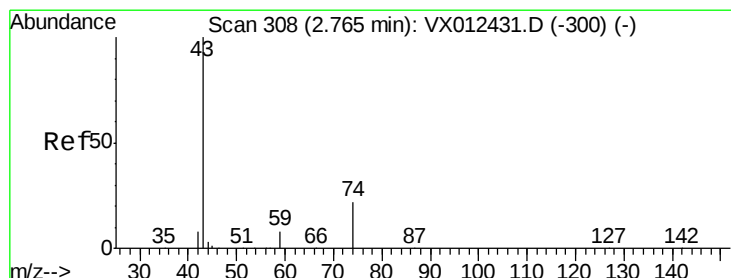
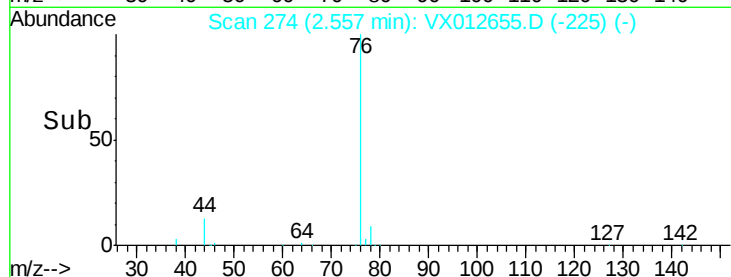
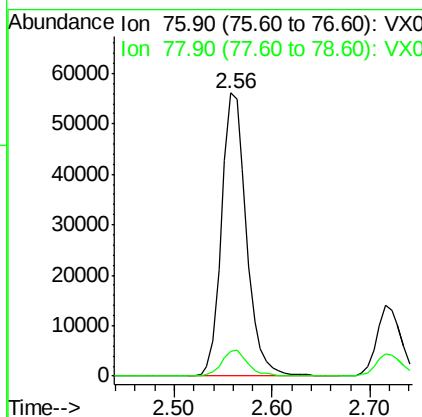
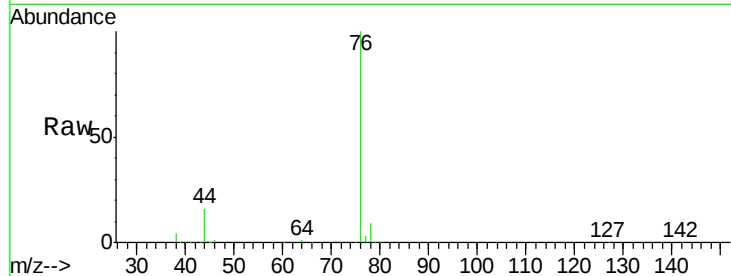
#17
Carbon Disulfide
Concen: 18.707 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

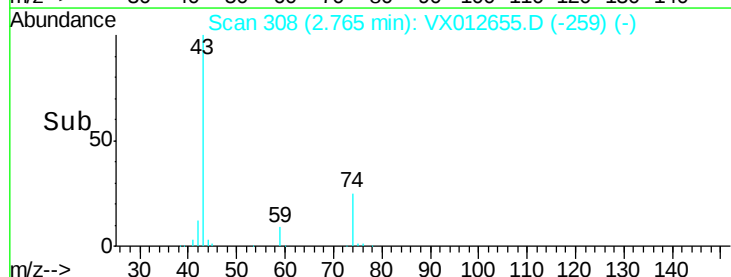
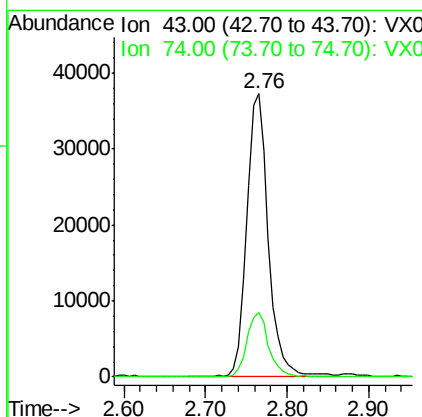
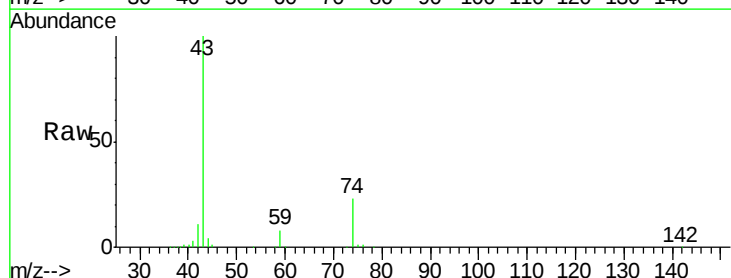
Manual Integrations
APPROVED

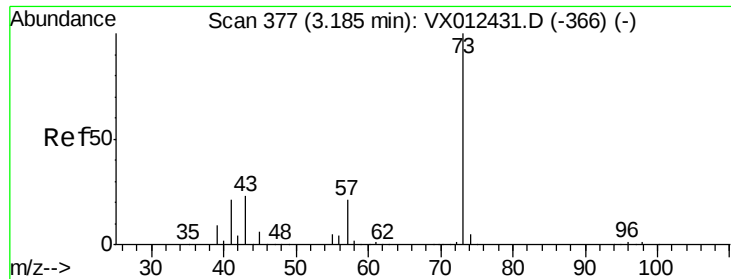
MMDadoda
9/26/2019 9:33:42 AM



#18
Methyl Acetate
Concen: 21.579 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	17.7	26.5





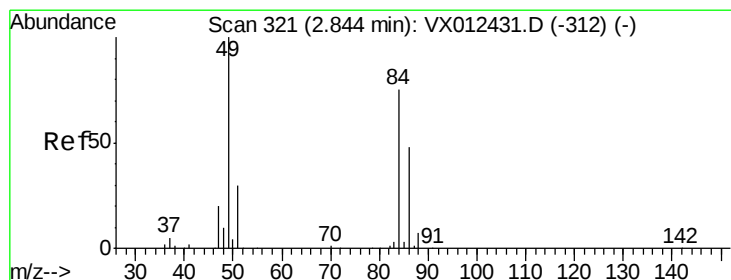
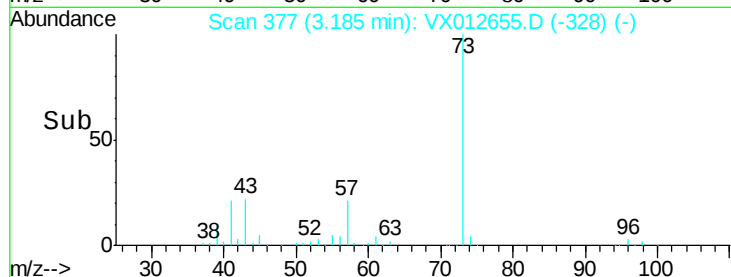
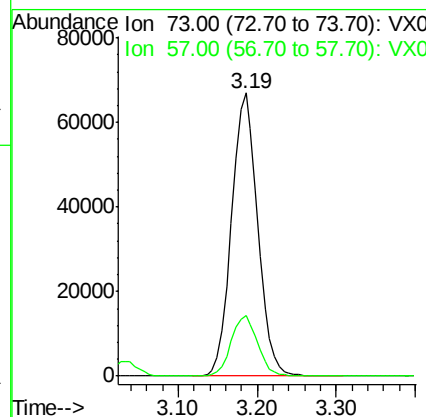
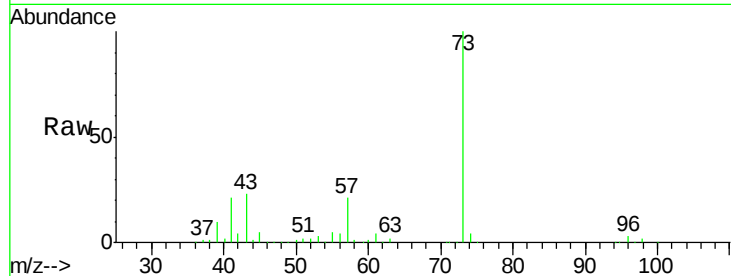
#19
Methyl tert-butyl Ether
Concen: 21.598 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	16.8	25.2

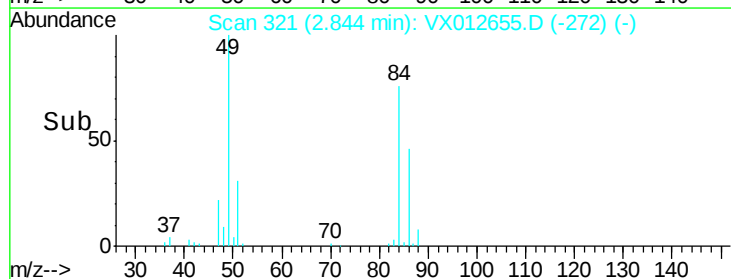
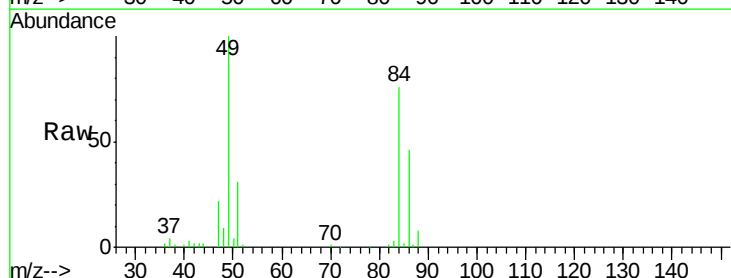
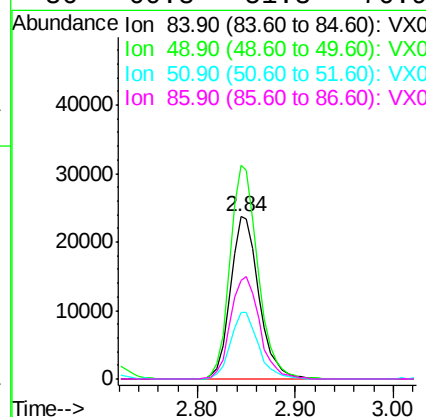
Manual Integrations
APPROVED

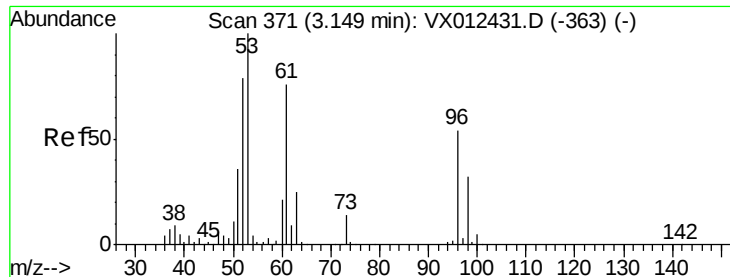
MMDadoda
9/26/2019 9:33:42 AM



#20
Methylene Chloride
Concen: 20.916 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.7	106.8	160.2
51	40.8	32.3	48.5
86	60.8	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 20.440 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBSD01

Tot Ion: 96 Resp: 42841

Ion Ratio Lower Upper

96 100

61 147.6 112.0 168.0

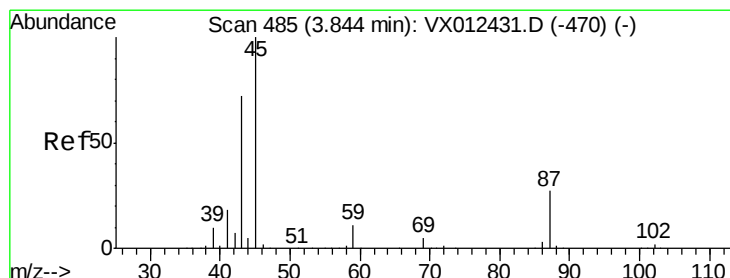
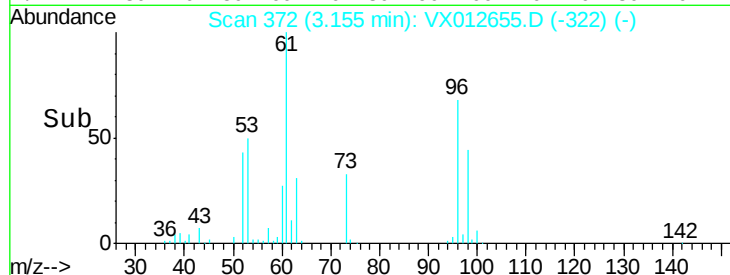
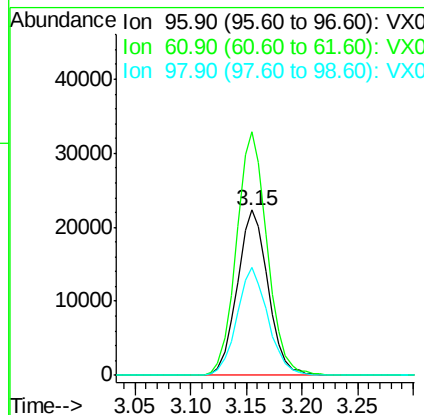
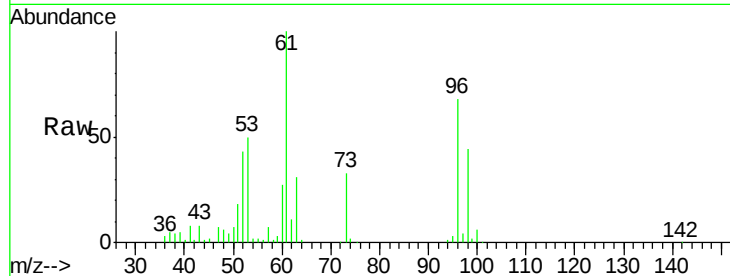
98 65.3 47.8 71.8

Manual Integrations

APPROVED

MMDadoda

9/26/2019 9:33:42 AM



#22

Diisopropyl ether

Concen: 21.333 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Tgt Ion: 45 Resp: 154723

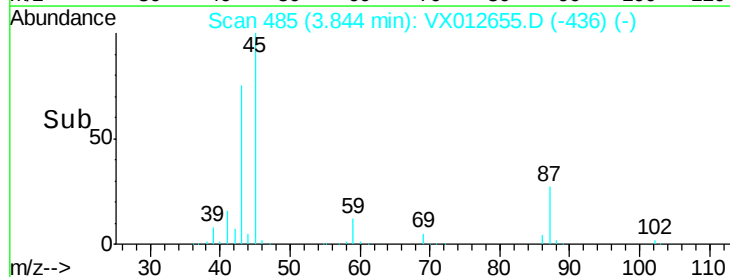
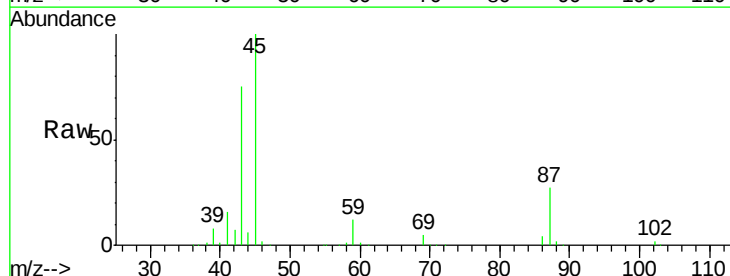
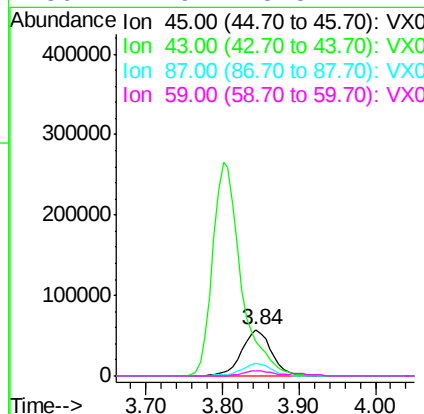
Ion Ratio Lower Upper

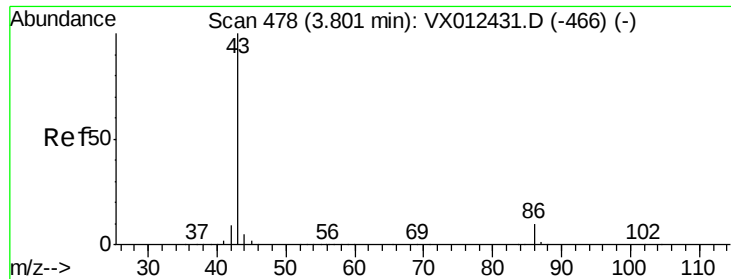
45 100

43 74.3 57.8 86.8

87 27.4 21.3 31.9

59 11.6 8.5 12.7





#23

Vinyl Acetate

Concen: 107.814 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBSD01

Tot Ion: 43 Resp: 685737

Ion Ratio Lower Upper

43 100

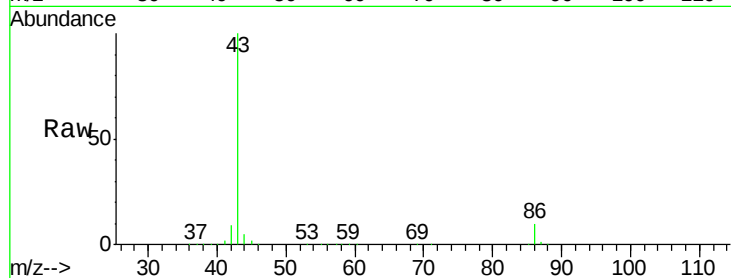
86 10.0 7.8 11.8

Manual Integrations

APPROVED

MMDadoda

9/26/2019 9:33:42 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

250000

200000

150000

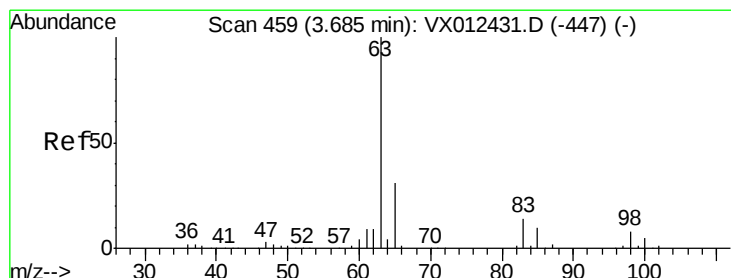
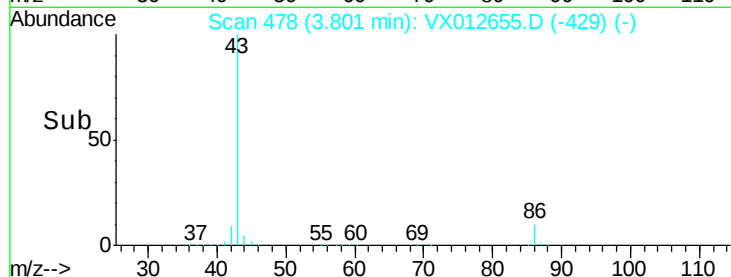
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 21.285 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

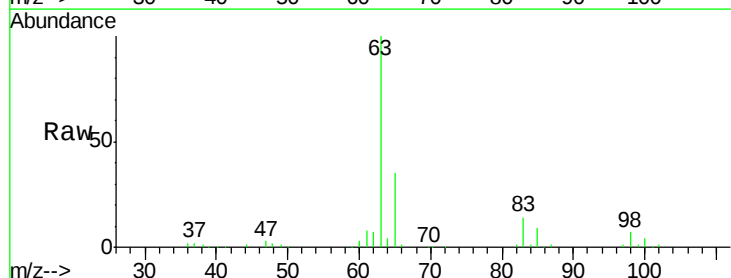
Tgt Ion: 63 Resp: 83913

Ion Ratio Lower Upper

63 100

98 6.7 3.9 11.7

100 4.5 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

40000

30000

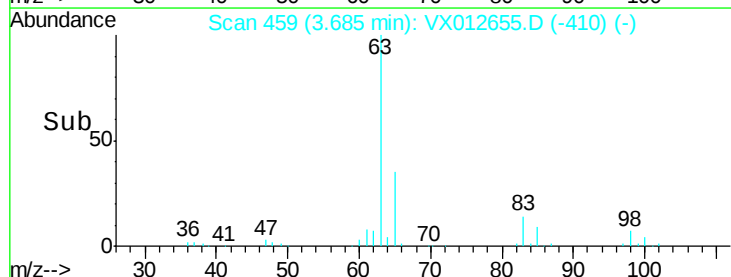
20000

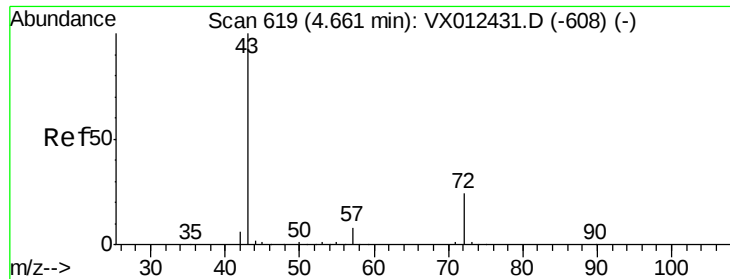
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 105.589 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBSD01

Tot Ion: 43 Resp: 205480

Ion Ratio Lower Upper

43 100

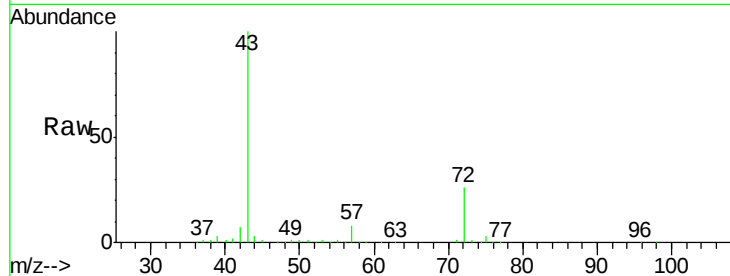
72 26.0 19.2 28.8

Manual Integrations

APPROVED

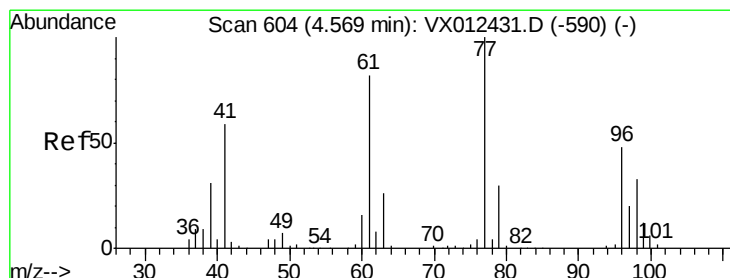
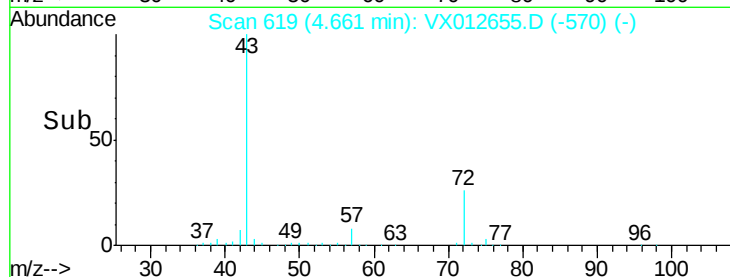
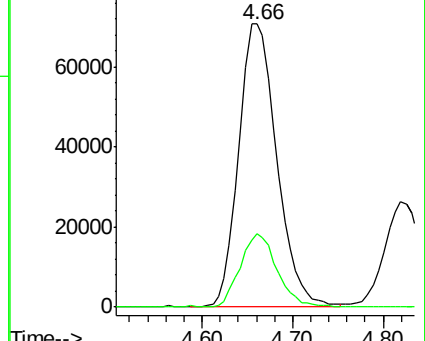
MMDadoda

9/26/2019 9:33:42 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 20.482 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012655.D

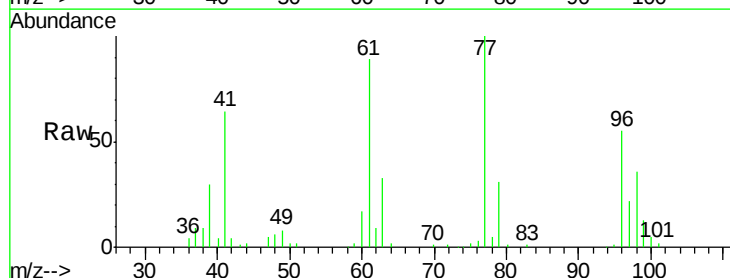
Acq: 25 Sep 2019 12:45

Tgt Ion: 77 Resp: 71818

Ion Ratio Lower Upper

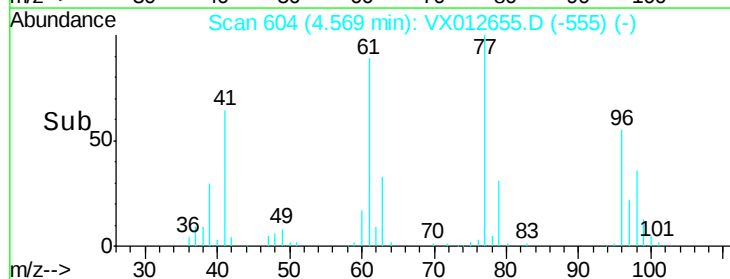
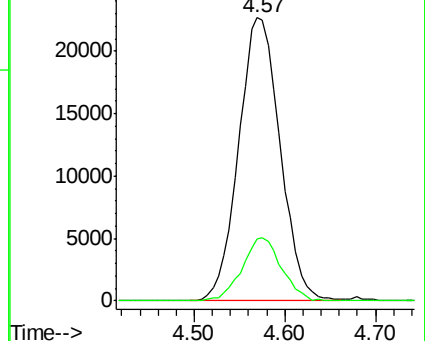
77 100

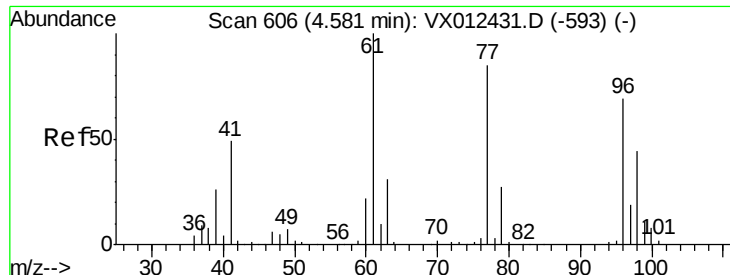
97 21.1 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

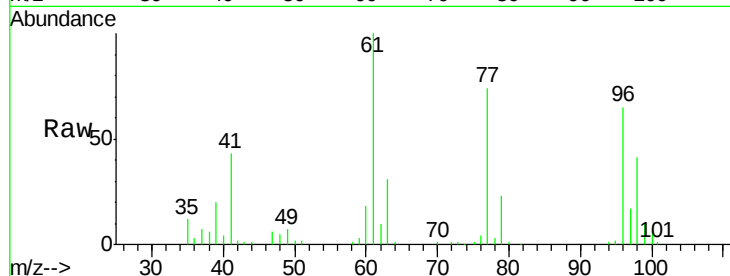
cis-1,2-Dichloroethene
Concen: 20.358 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBSD01

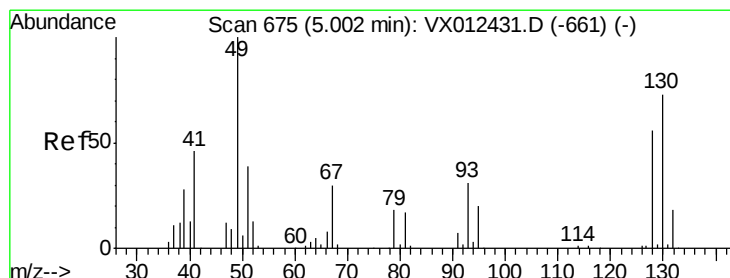
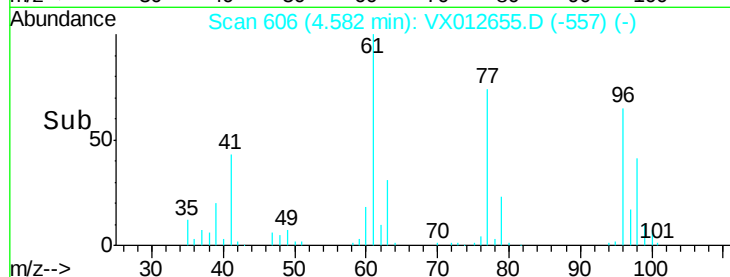
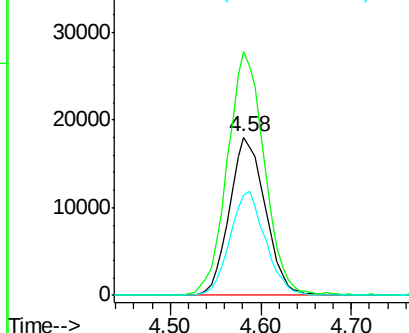
Tot Ion	Ratio	Resp	Lower	Upper
96	100	49509		
61	159.9	0.0	319.4	
98	64.9	0.0	130.6	

Manual Integrations
APPROVED

MMDadoda
9/26/2019 9:33:42 AM



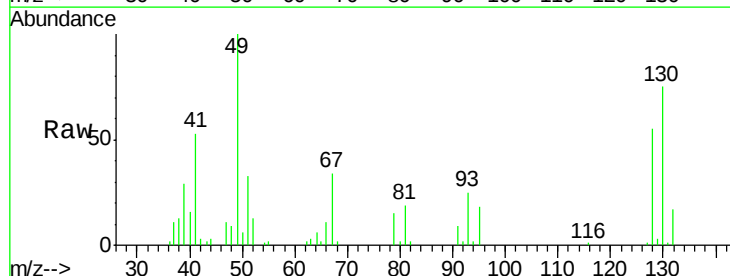
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



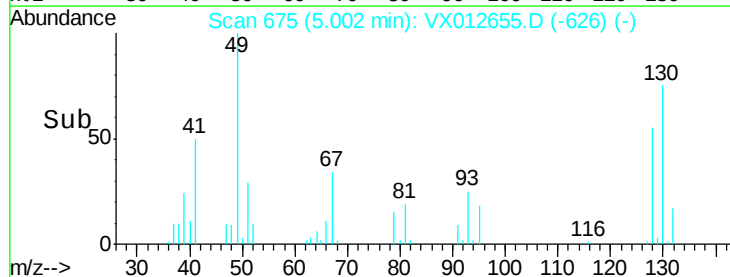
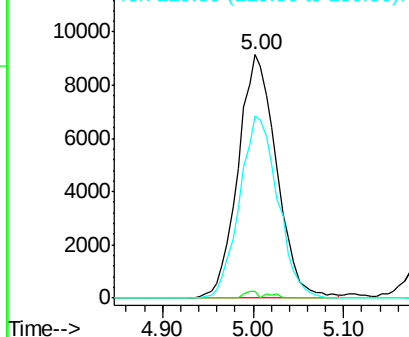
#28

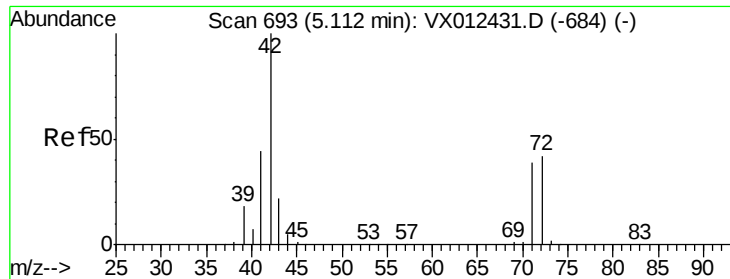
Bromochloromethane
Concen: 18.792 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	26901		
129	0.9	0.0	3.8	
130	74.2	58.2	87.4	



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





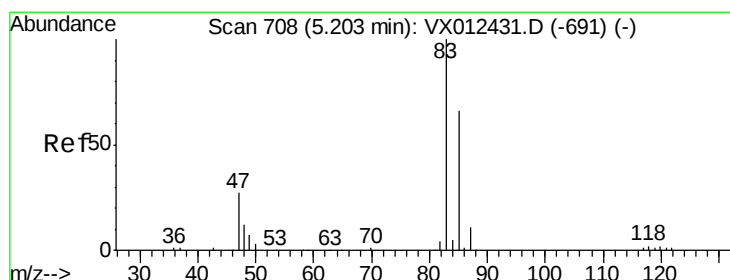
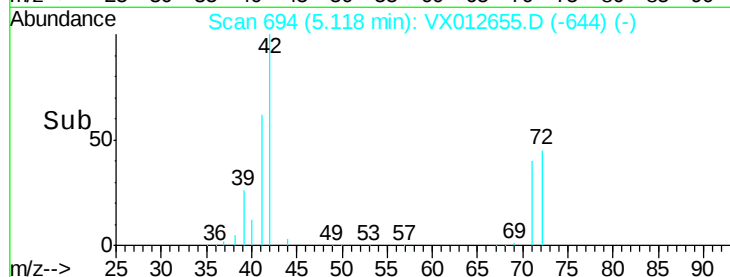
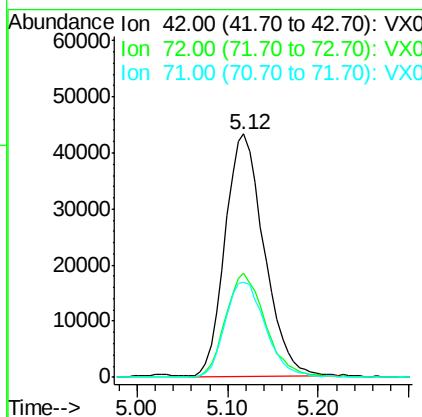
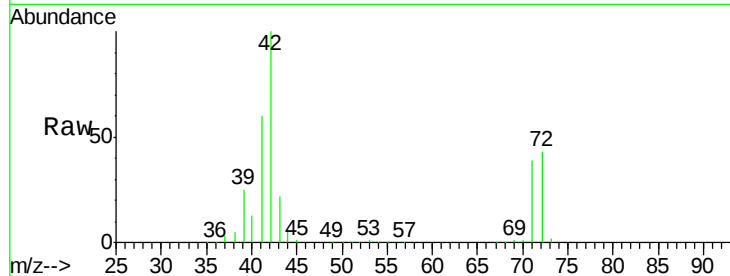
#29
Tetrahydrofuran
Concen: 109.253 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	34.0	51.0
71	40.7	31.5	47.3

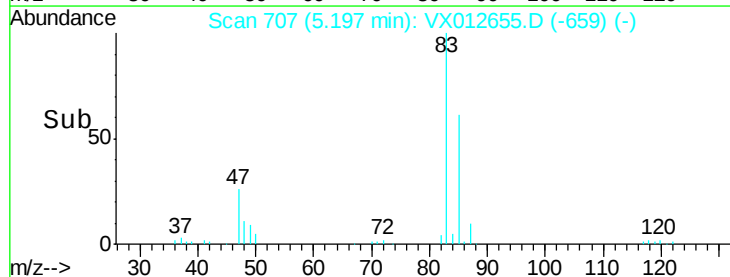
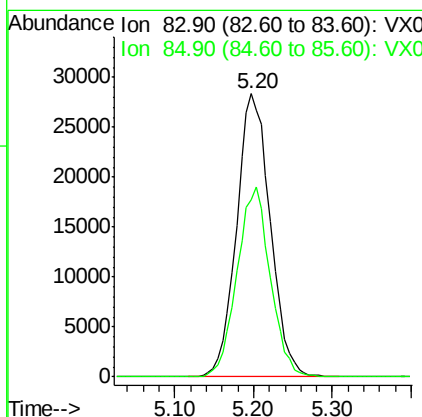
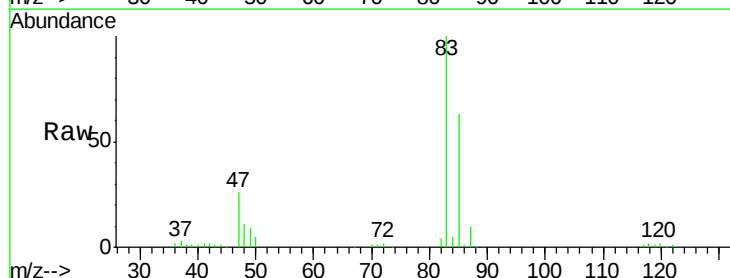
Manual Integrations
APPROVED

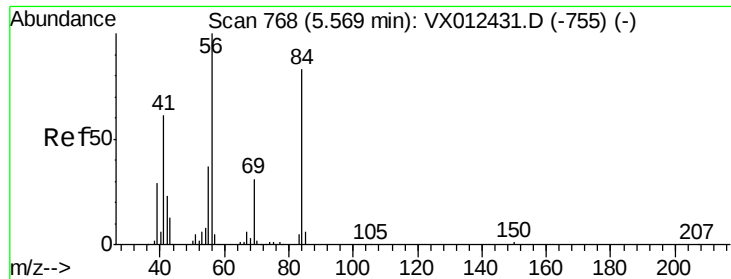
MMDadoda
9/26/2019 9:33:42 AM



#30
Chloroform
Concen: 20.877 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	53.0	79.4





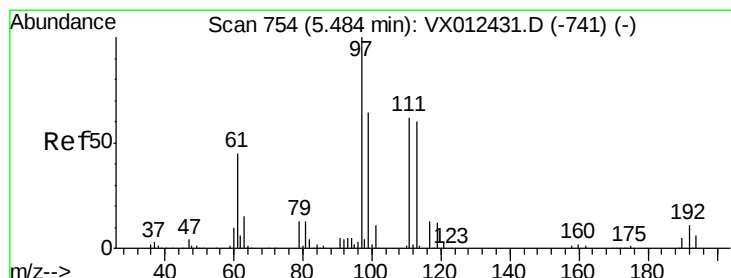
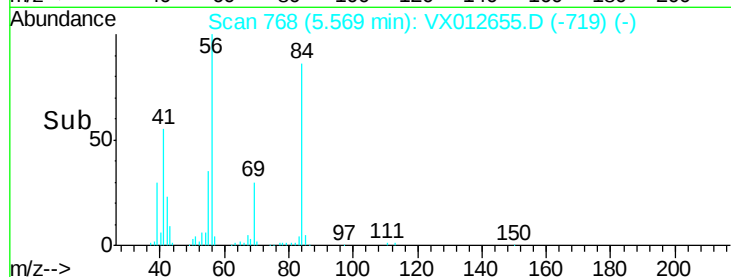
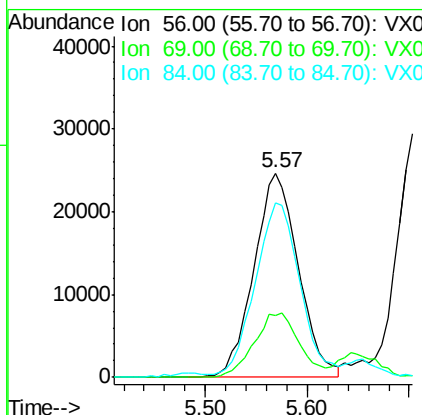
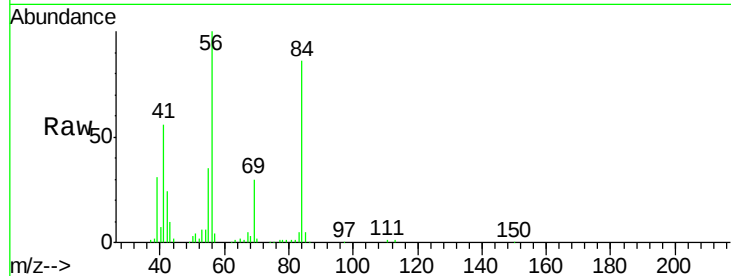
#31
Cyclohexane
Concen: 20.905 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBSD01

Tot Ion	56	Resp	74558
Ion	Ratio	Lower	Upper
56	100		
69	30.2	25.0	37.6
84	83.8	66.4	99.6

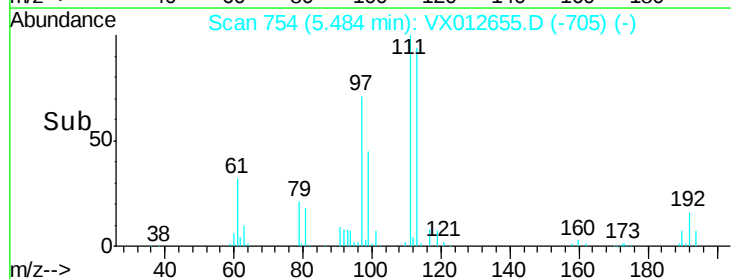
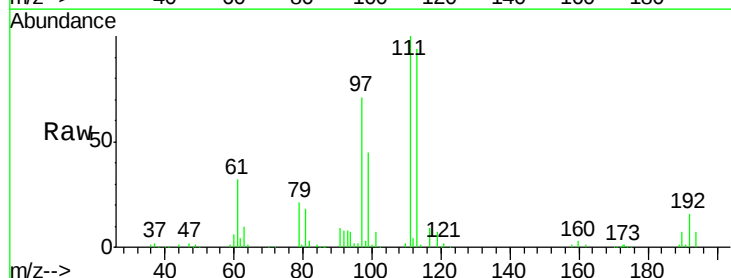
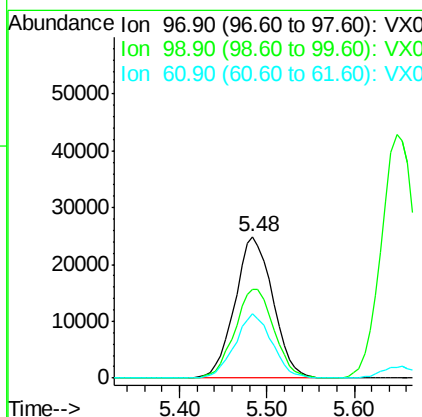
Manual Integrations
APPROVED

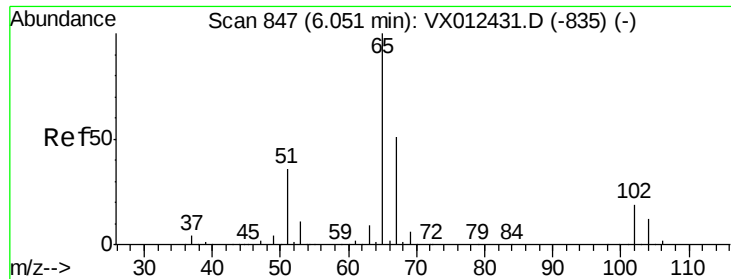
MMDadoda
9/26/2019 9:33:42 AM



#32
1,1,1-Trichloroethane
Concen: 21.010 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Tgt Ion	97	Resp	75106
Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.3	76.9
61	44.1	36.1	54.1





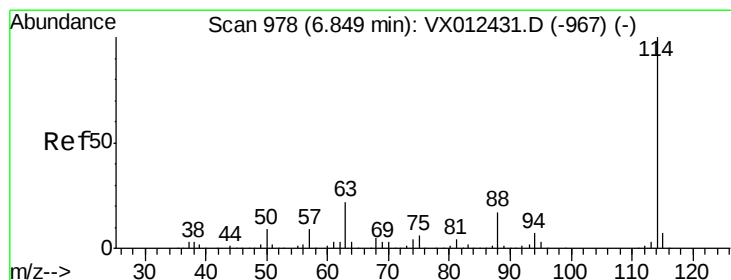
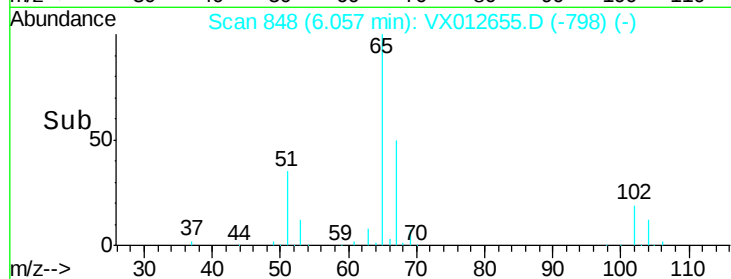
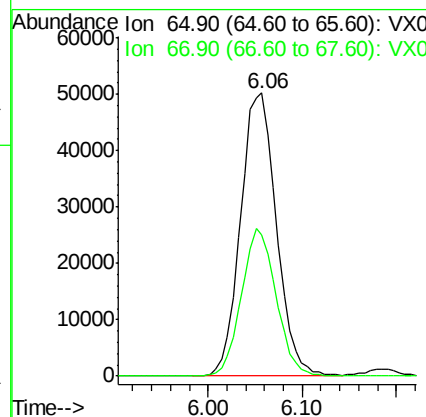
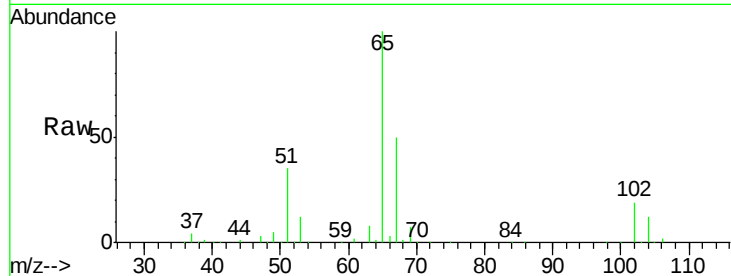
#33
 1,2-Dichloroethane-d4
 Concen: 52.179 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX012655.D
 Acq: 25 Sep 2019 12:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0925WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	133698		
67	50.6	0.0	101.2	

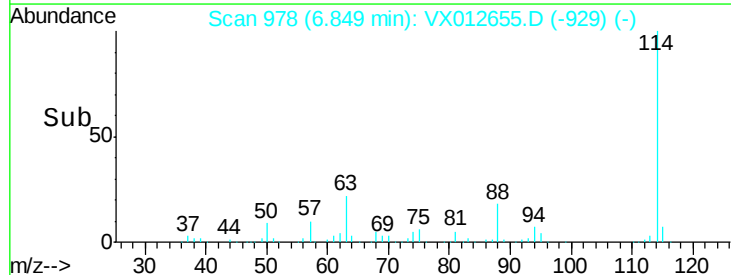
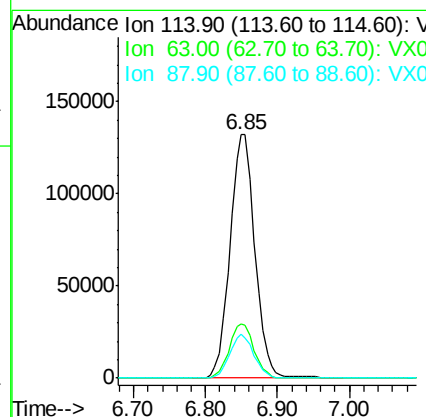
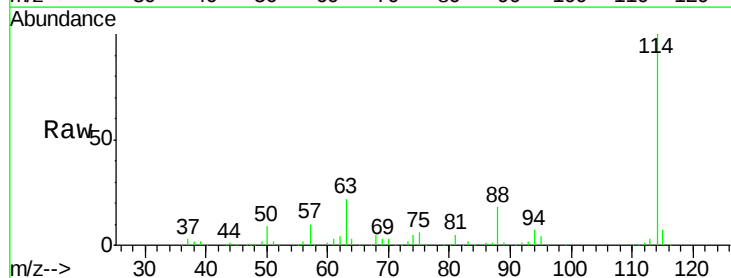
Manual Integrations
 APPROVED

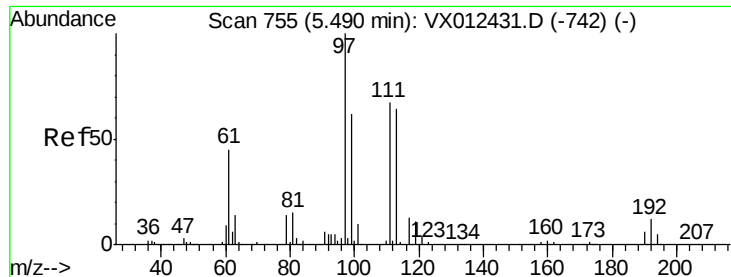
MMDadoda
 9/26/2019 9:33:42 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012655.D
 Acq: 25 Sep 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	318018		
63	22.2	0.0	43.2	
88	18.2	0.0	33.2	





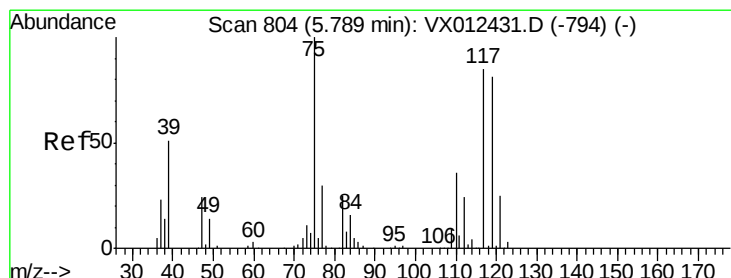
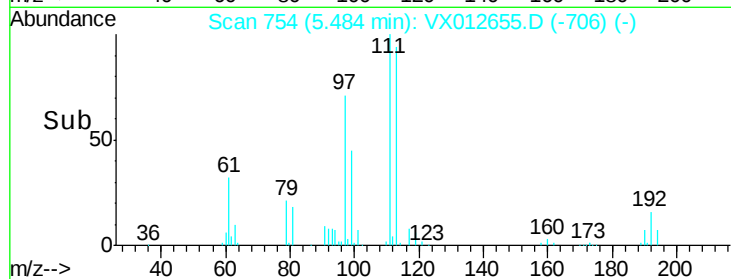
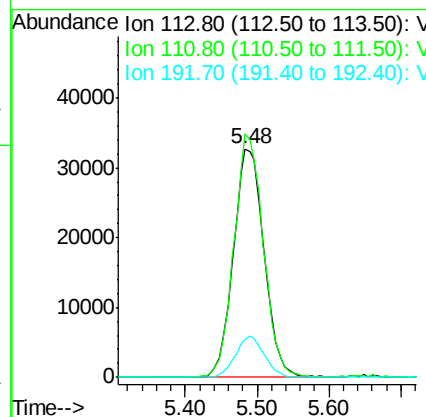
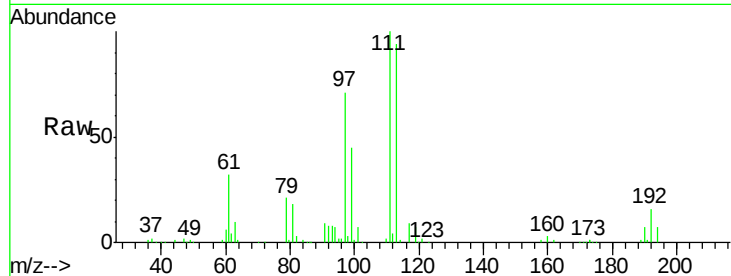
#35
 Dibromofluoromethane
 Concen: 51.167 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX012655.D
 Acq: 25 Sep 2019 12:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0925WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	96907		
111	101.9	83.4	125.2	
192	17.0	14.4	21.6	

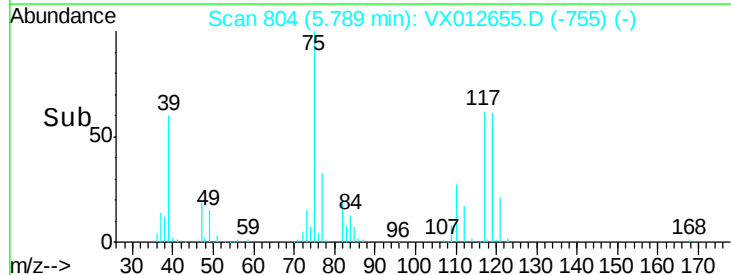
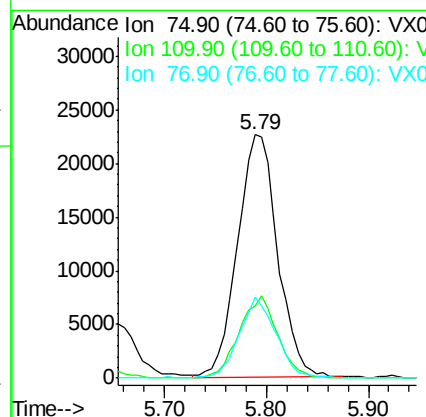
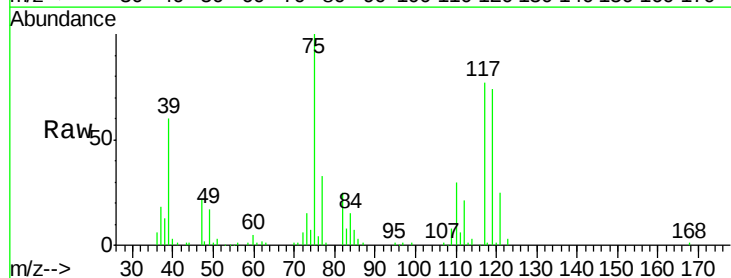
Manual Integrations
 APPROVED

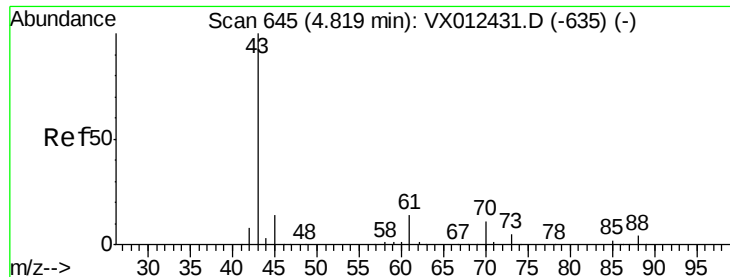
MMDadoda
 9/26/2019 9:33:42 AM



#36
 1,1-Dichloropropene
 Concen: 20.063 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX012655.D
 Acq: 25 Sep 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	61499		
110	32.7	16.7	50.0	
77	30.9	24.2	36.2	





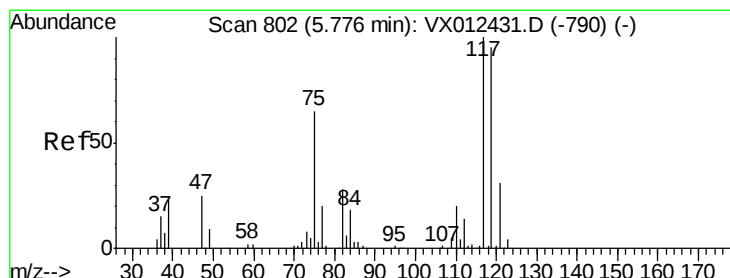
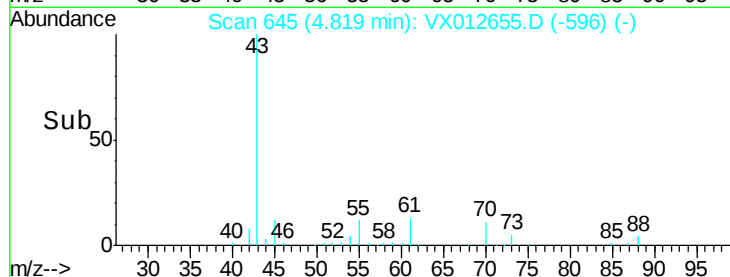
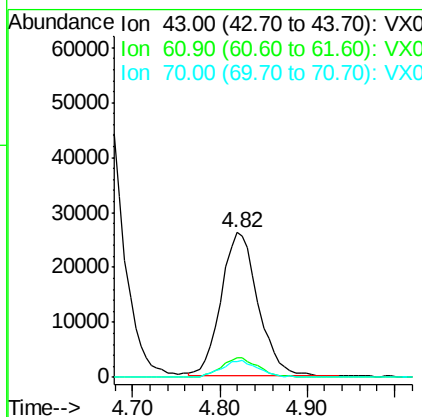
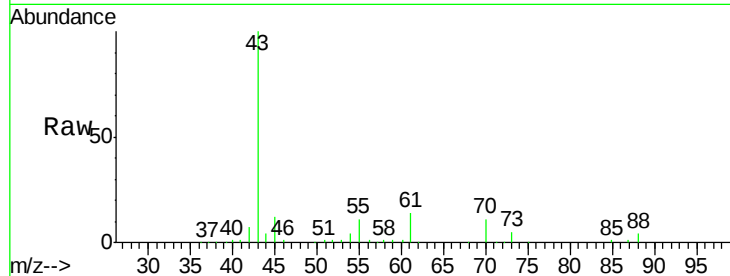
#37
Ethyl Acetate
Concen: 21.416 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.2	15.4
70	11.7	8.7	13.1

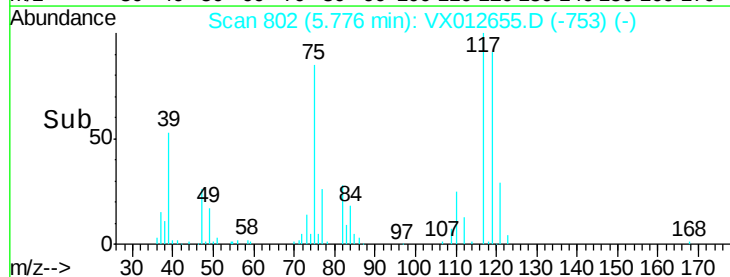
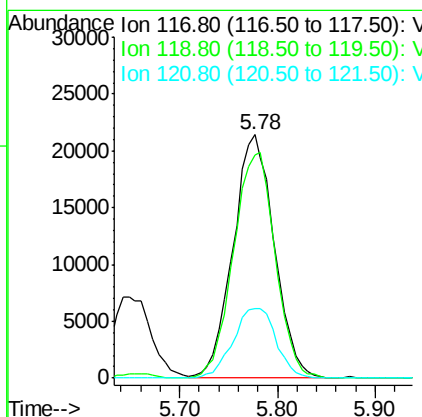
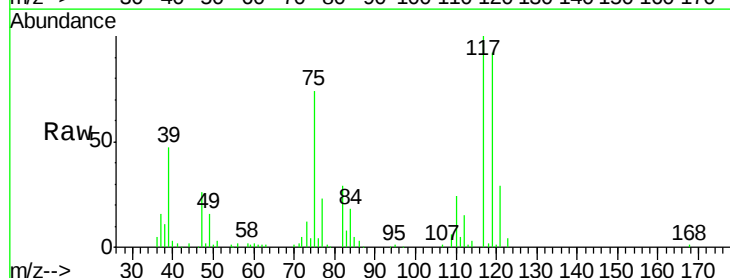
Manual Integrations
APPROVED

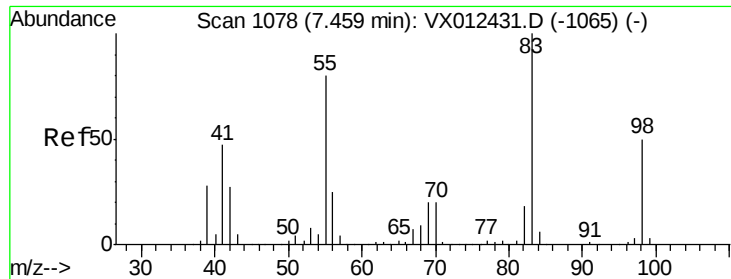
MMDadoda
9/26/2019 9:33:42 AM



#38
Carbon Tetrachloride
Concen: 20.134 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.6	75.7	113.5
121	28.7	24.2	36.4





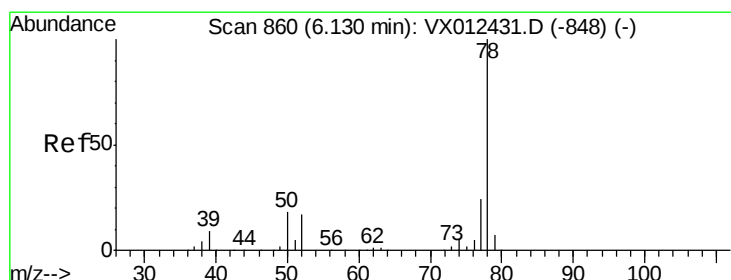
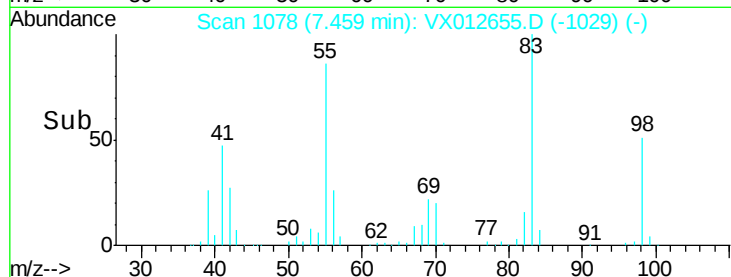
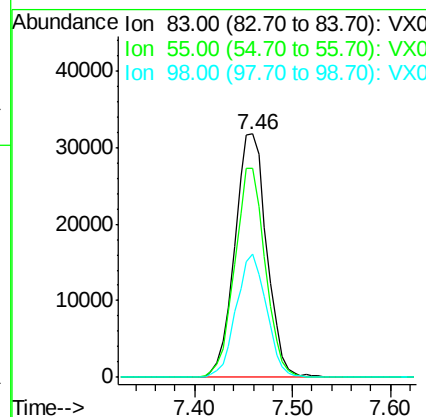
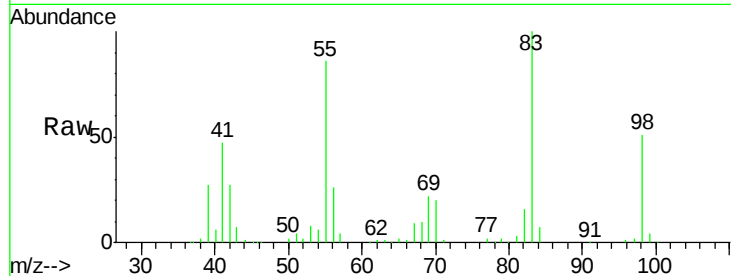
#39
Methvlcvclohexane
Concen: 19.506 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBSD01

Tot Ion	83	Resp	71981
Ion Ratio	100	Lower	Upper
83	100		
55	85.7	64.4	96.6
98	50.8	40.1	60.1

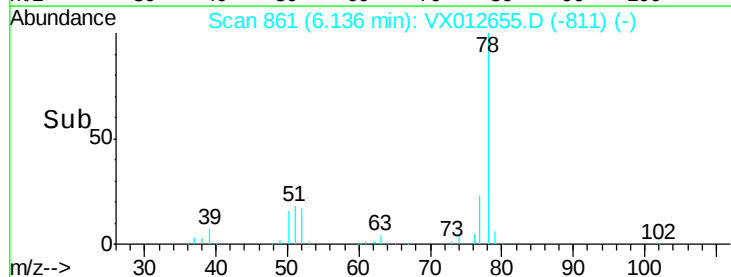
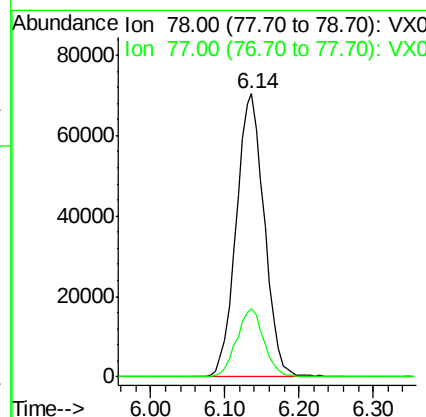
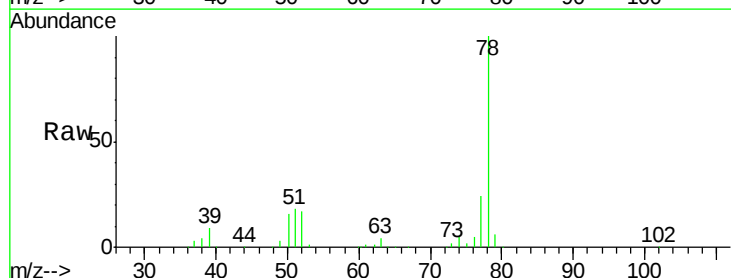
Manual Integrations
APPROVED

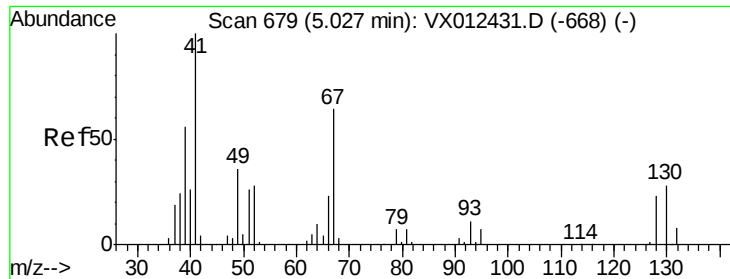
MMDadoda
9/26/2019 9:33:42 AM



#40
Benzene
Concen: 20.590 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Tgt Ion	78	Resp	185704
Ion Ratio	100	Lower	Upper
78	100		
77	24.0	19.2	28.8





#41

Methacrylonitrile

Concen: 20.531 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Instrument :

MSVOA_X

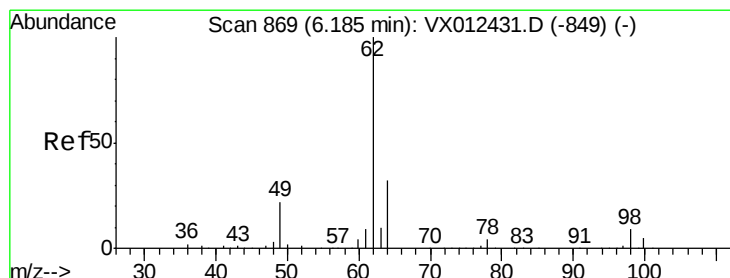
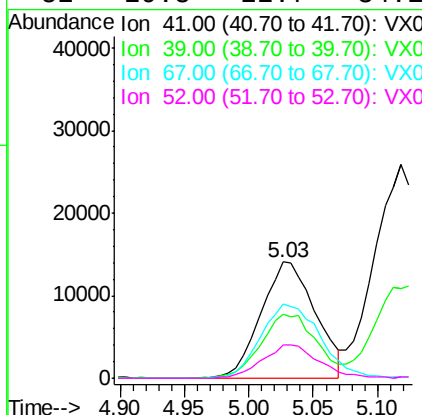
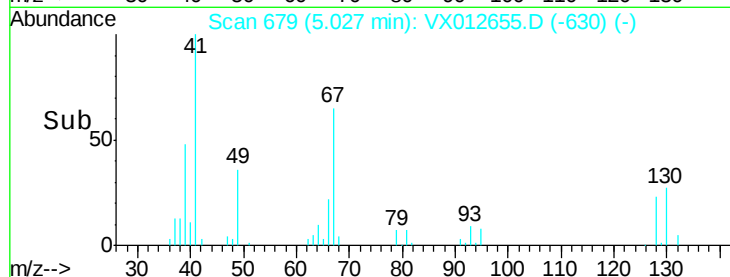
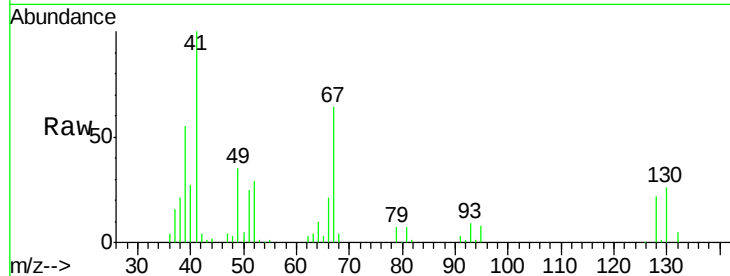
ClientSampleId :

VX0925WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		41282		
39	55.8	46.0	69.0		
67	69.8	52.2	78.2		
52	29.8	22.7	34.1		

Manual Integrations
APPROVED

MMDadoda
9/26/2019 9:33:42 AM



#42

1,2-Dichloroethane

Concen: 20.913 ug/l

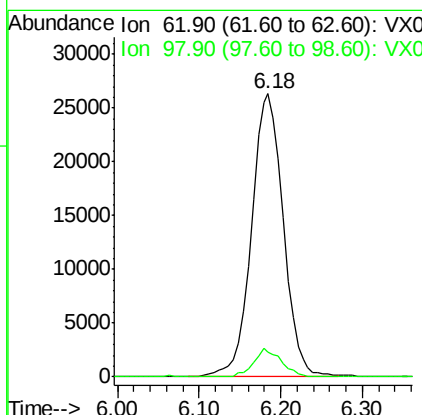
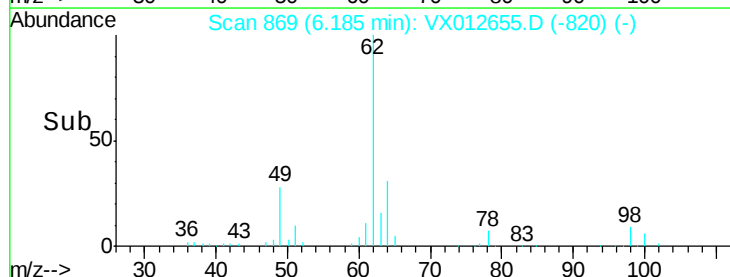
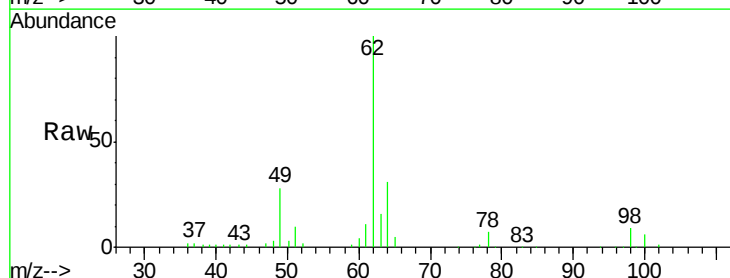
RT: 6.18 min Scan# 869

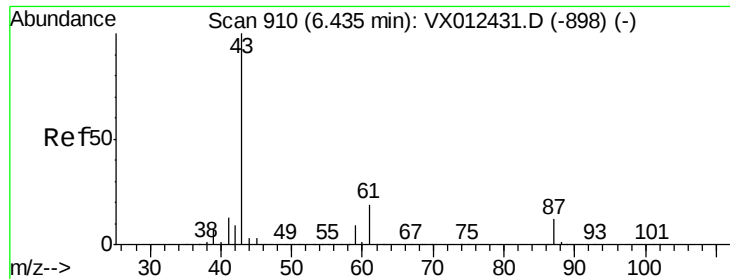
Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		71627		
98	8.9	0.0	17.8		





#43

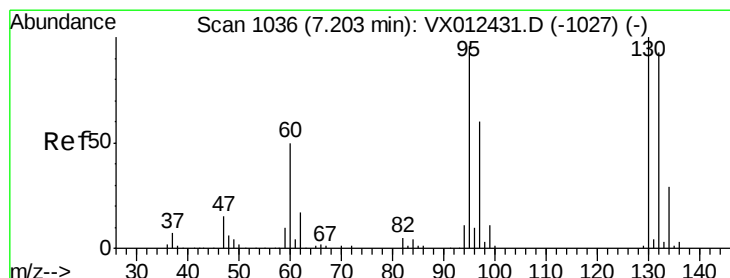
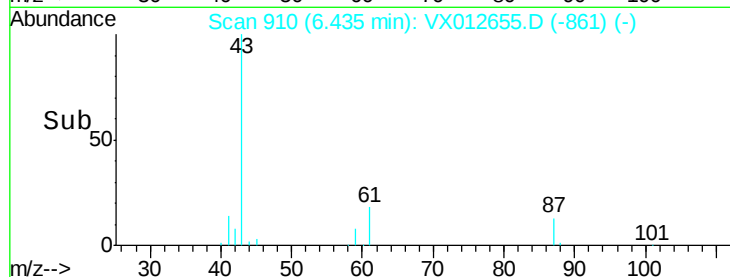
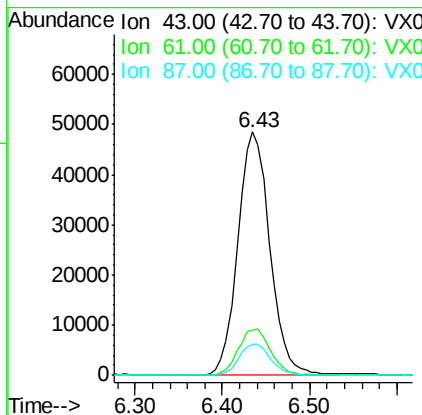
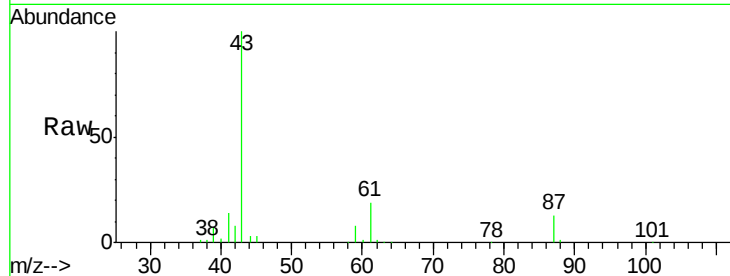
Isopropyl Acetate
 Concen: 20.523 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012655.D
 Acq: 25 Sep 2019 12:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0925WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.4	23.0
87	12.9	9.8	14.8

Manual Integrations
 APPROVED

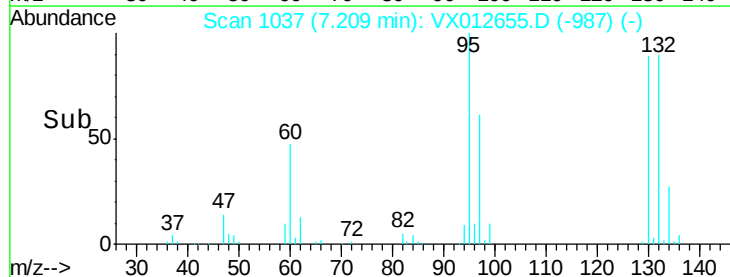
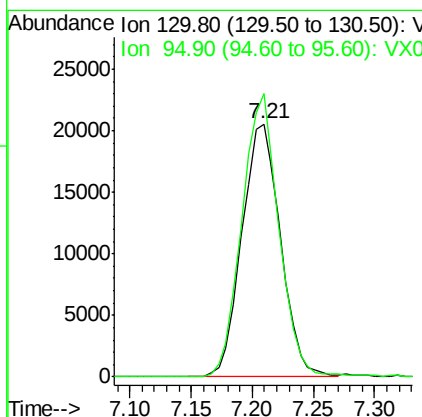
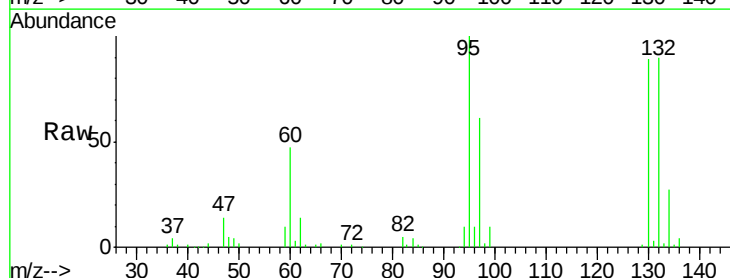
MMDadoda
 9/26/2019 9:33:42 AM

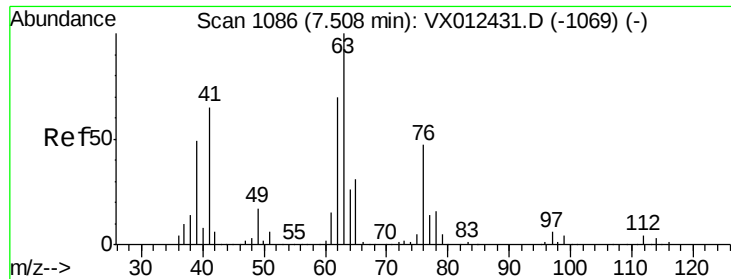


#44

Trichloroethene
 Concen: 19.542 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012655.D
 Acq: 25 Sep 2019 12:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.0	0.0	193.0





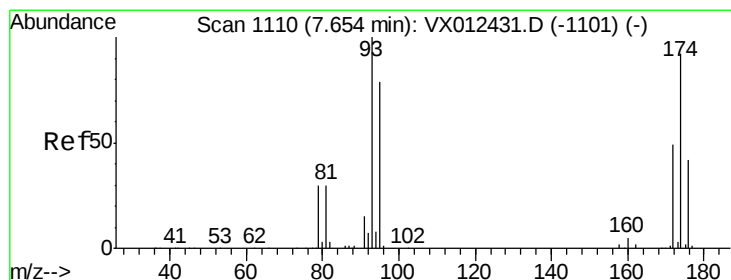
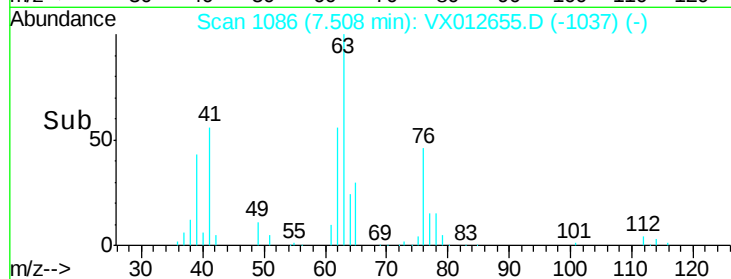
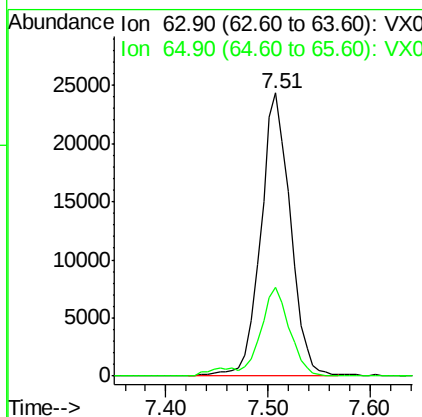
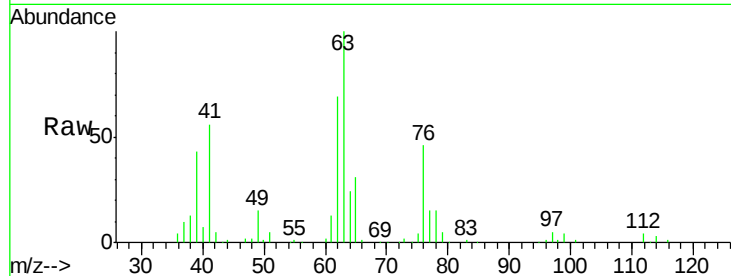
#45
 1,2-Dichloropropane
 Concen: 21.332 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012655.D
 Acq: 25 Sep 2019 12:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0925WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.0	37.6

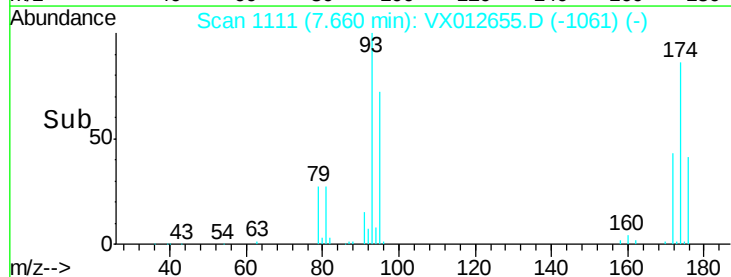
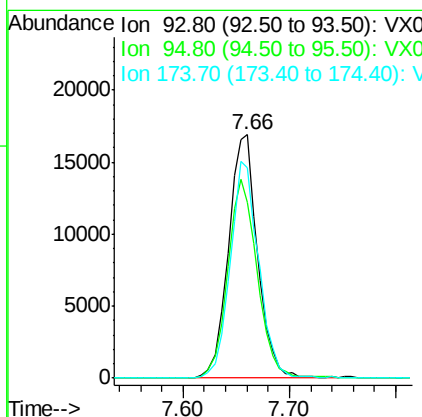
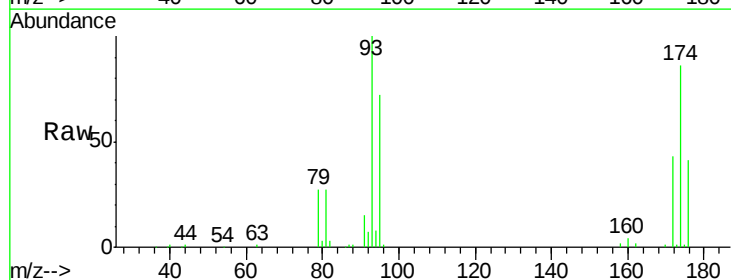
Manual Integrations
 APPROVED

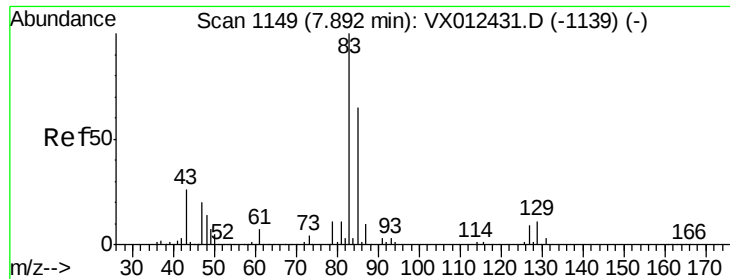
MMDadoda
 9/26/2019 9:33:42 AM



#46
 Dibromomethane
 Concen: 20.652 ug/l
 RT: 7.66 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: VX012655.D
 Acq: 25 Sep 2019 12:45

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.7	66.6	100.0
174	87.0	77.4	116.0





#47

Bromodichloromethane

Concen: 20.070 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Instrument :

MSVOA_X

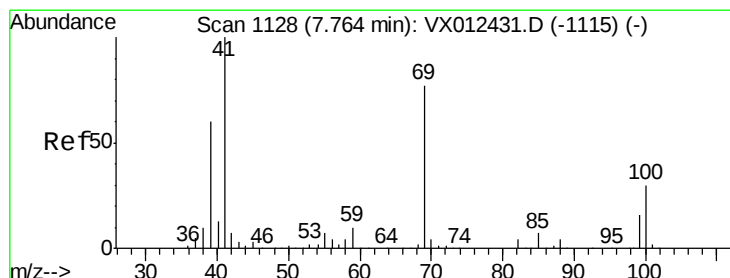
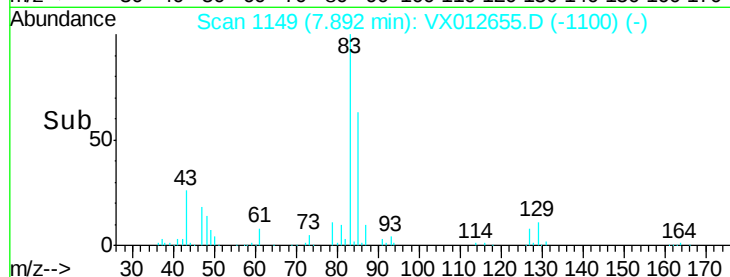
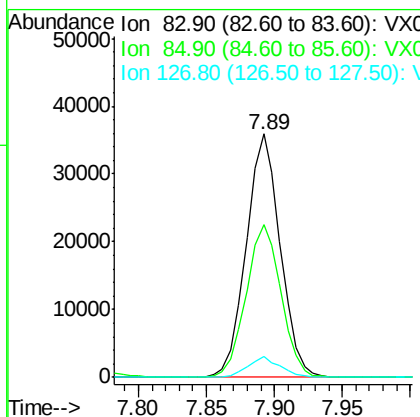
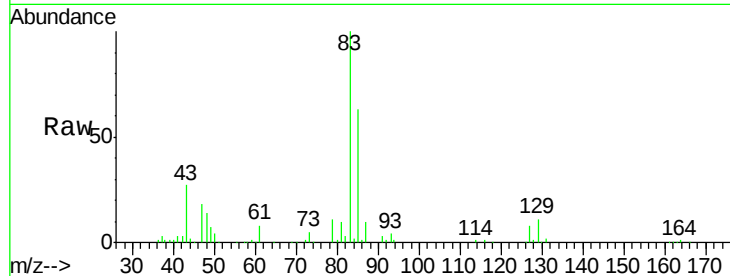
ClientSampleId :

VX0925WBSD01

Tot Ion:	83	Resp:	63063
Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.8	77.6
127	8.4	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
9/26/2019 9:33:42 AM



#48

Methyl methacrylate

Concen: 21.030 ug/l

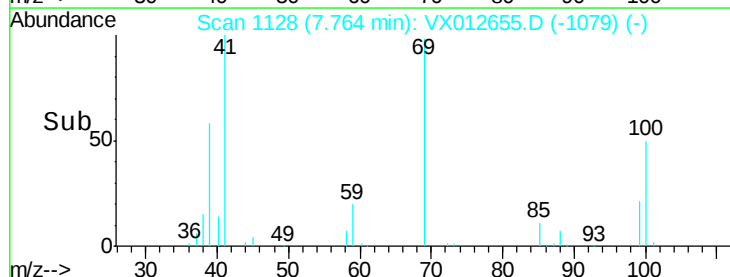
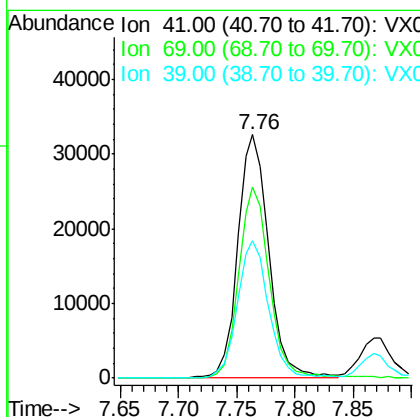
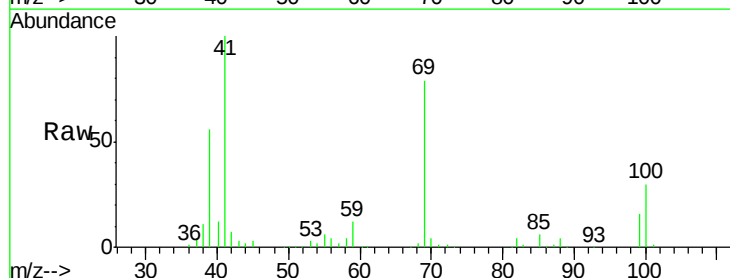
RT: 7.76 min Scan# 1128

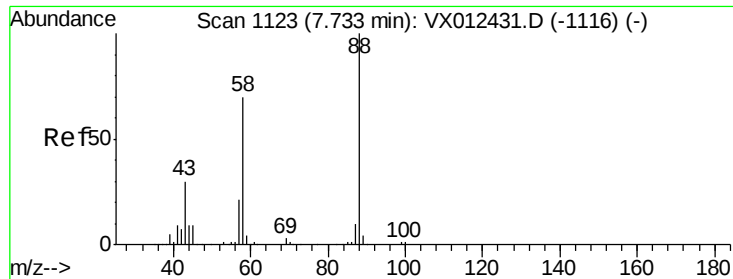
Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Tgt Ion:	41	Resp:	60432
Ion	Ratio	Lower	Upper
41	100		
69	77.4	59.9	89.9
39	56.7	47.8	71.6





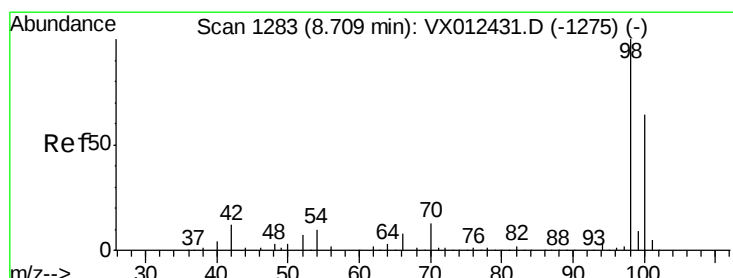
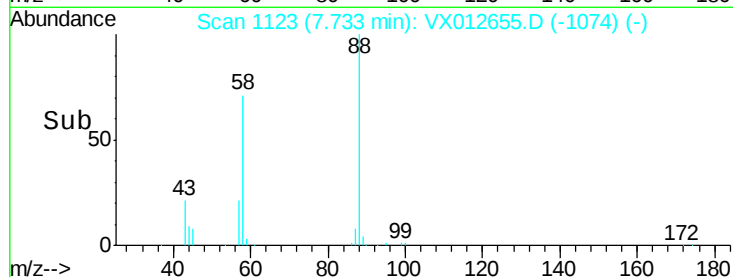
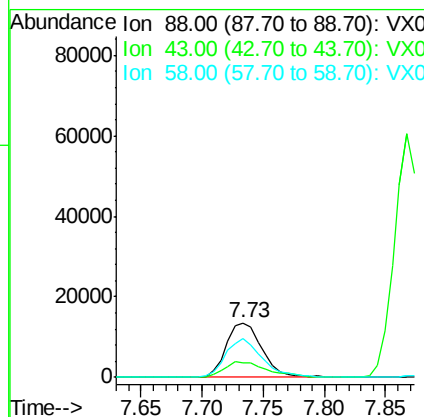
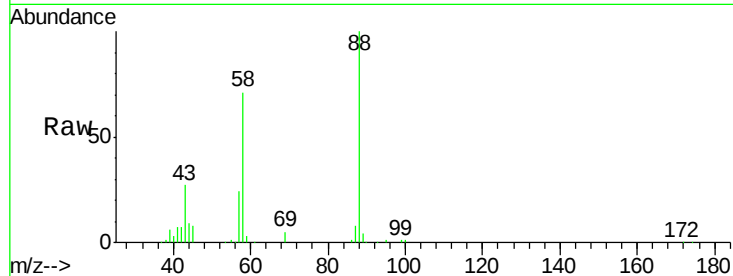
#49
1,4-Dioxane
Concen: 420.791 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.4	29.4	44.0
58	74.1	57.5	86.3

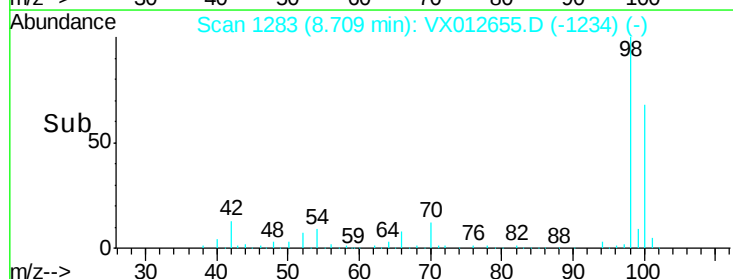
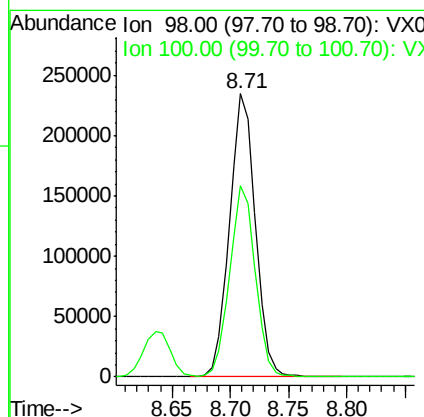
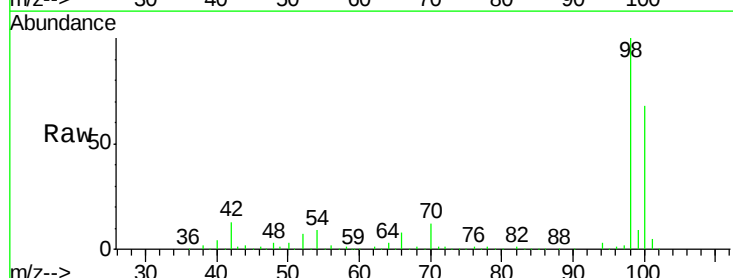
Manual Integrations
APPROVED

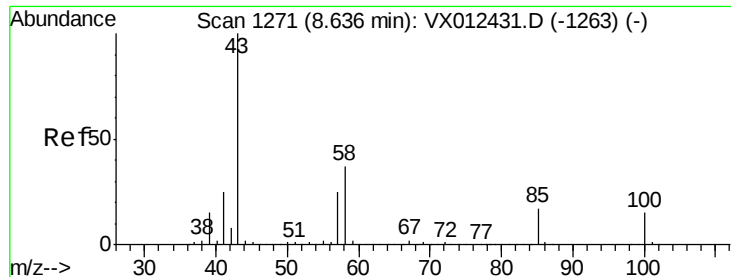
MMDadoda
9/26/2019 9:33:42 AM



#50
Toluene-d8
Concen: 49.650 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.4	80.2





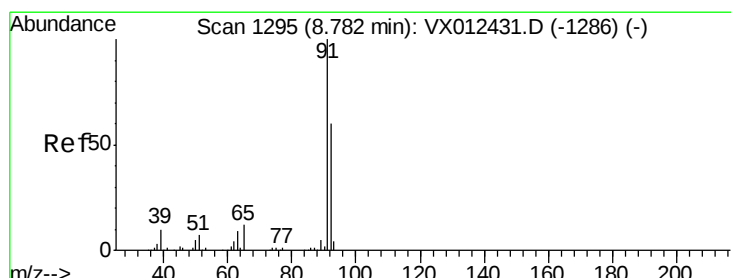
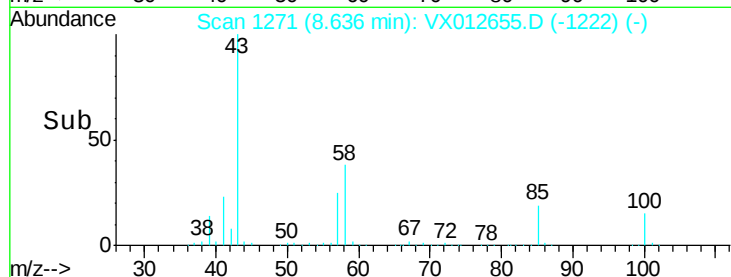
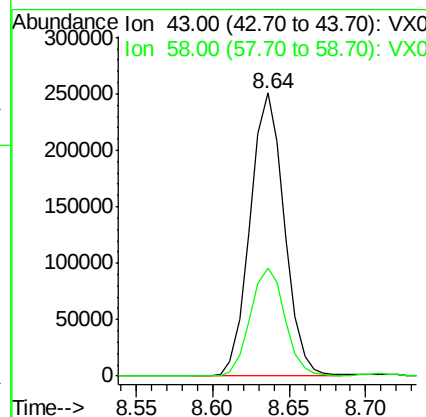
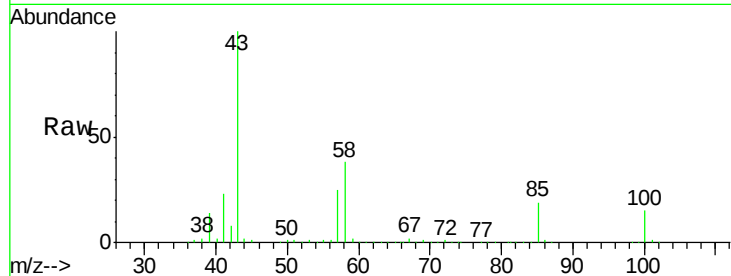
#51
4-Methyl-2-Pentanone
Concen: 105.757 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.6	29.8	44.6

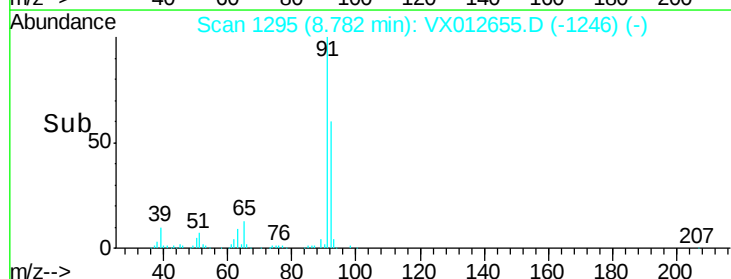
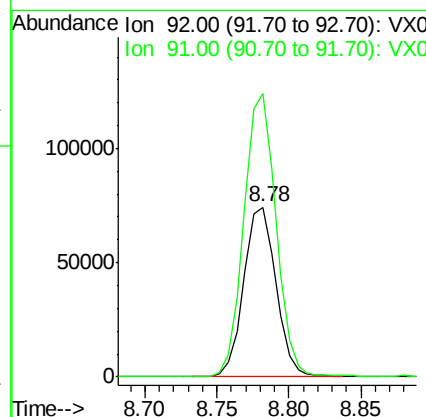
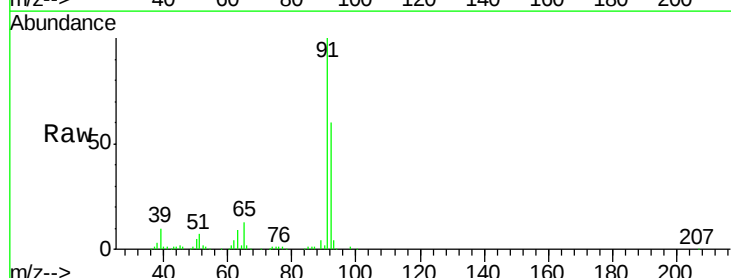
Manual Integrations
APPROVED

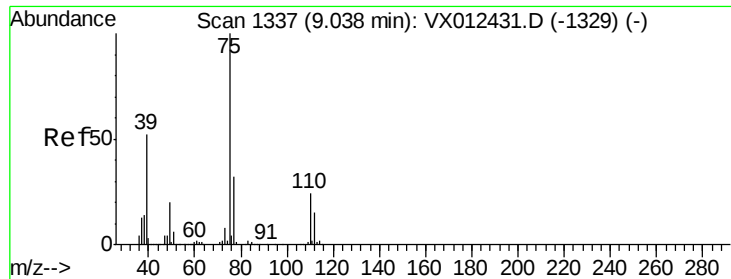
MMDadoda
9/26/2019 9:33:42 AM



#52
Toluene
Concen: 20.377 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Tgt Ion	Ratio	Lower	Upper
92	100		
91	167.0	135.4	203.0





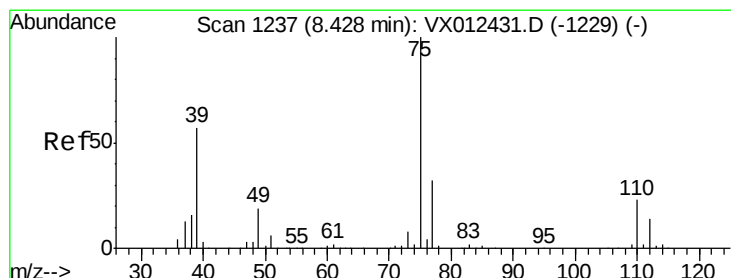
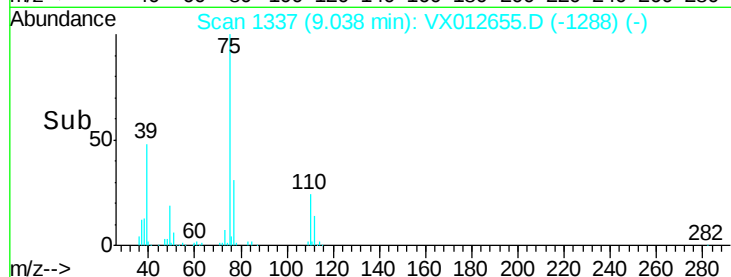
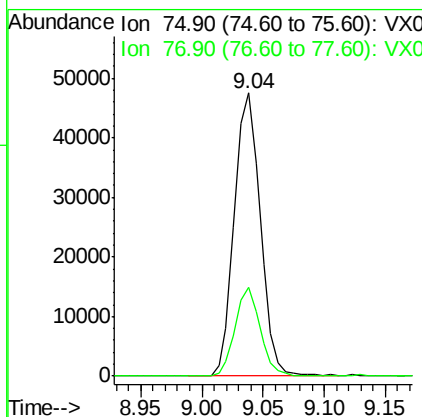
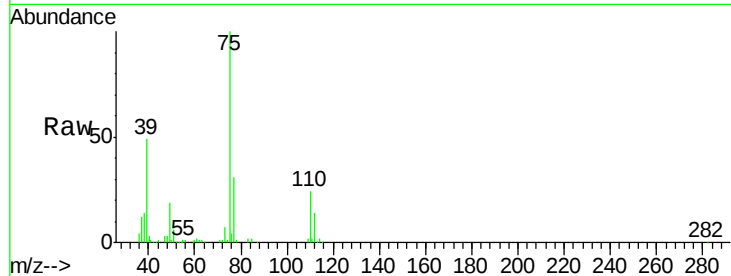
#53
t-1,3-Dichloropropene
Concen: 20.145 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBSD01

Tot Ion	75	Resp	70036
Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.2	37.8

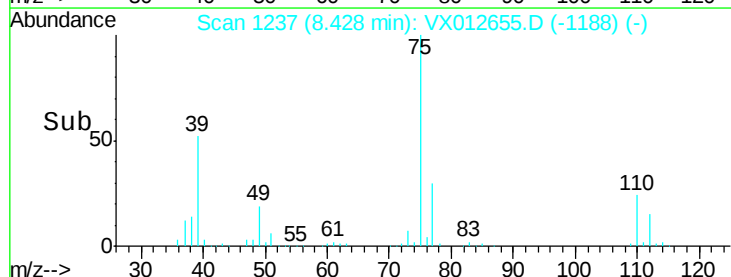
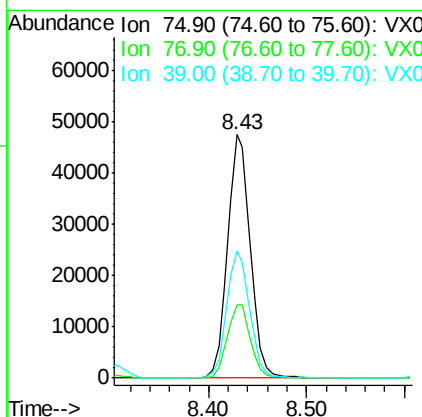
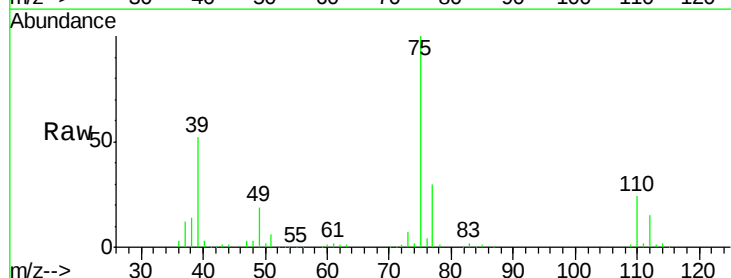
Manual Integrations
APPROVED

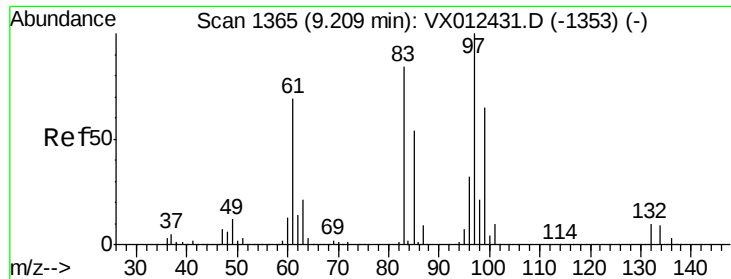
MMDadoda
9/26/2019 9:33:42 AM



#54
cis-1,3-Dichloropropene
Concen: 20.147 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Tgt Ion	75	Resp	76476
Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.8	38.8
39	51.9	45.5	68.3





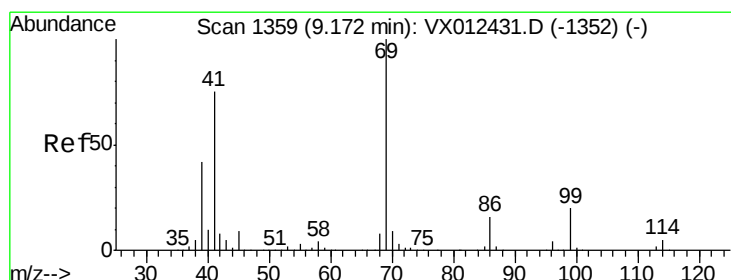
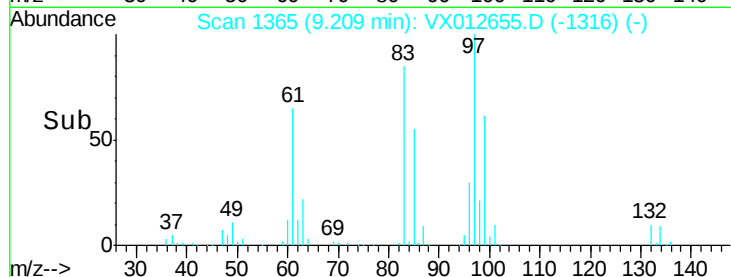
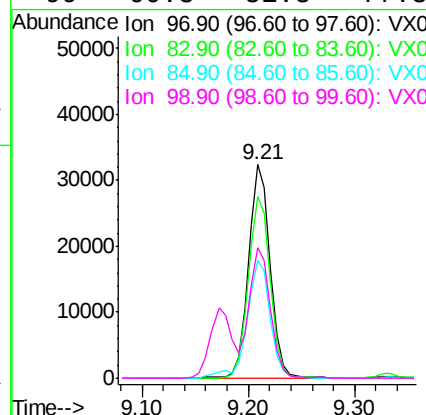
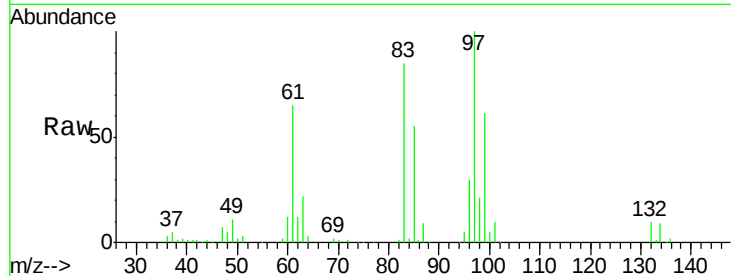
#55
 1,1,2-Trichloroethane
 Concen: 20.514 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012655.D
 Acq: 25 Sep 2019 12:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0925WBSD01

Tot Ion:	97	Resp:	46231
Ion	Ratio	Lower	Upper
97	100		
83	85.1	67.4	101.2
85	55.3	43.5	65.3
99	60.8	51.8	77.8

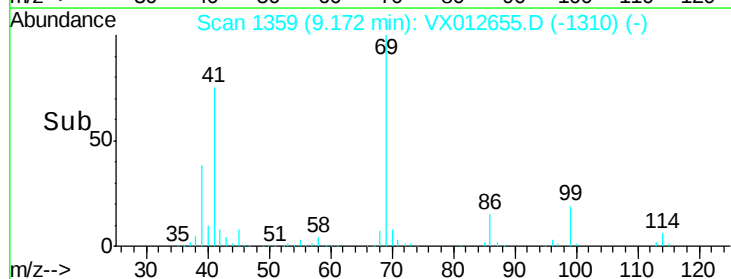
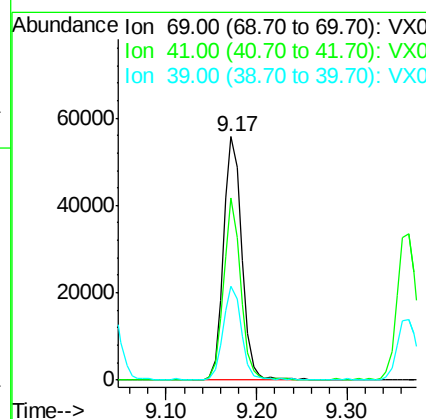
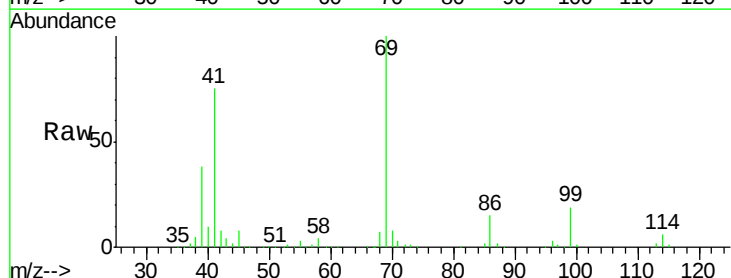
Manual Integrations
 APPROVED

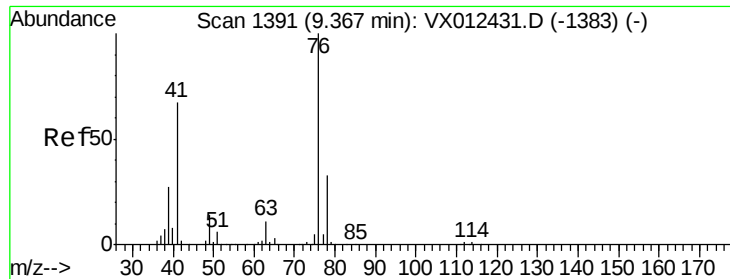
MMDadoda
 9/26/2019 9:33:42 AM



#56
 Ethyl methacrylate
 Concen: 20.894 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012655.D
 Acq: 25 Sep 2019 12:45

Tgt Ion:	69	Resp:	79109
Ion	Ratio	Lower	Upper
69	100		
41	69.2	58.4	87.6
39	38.4	33.4	50.0





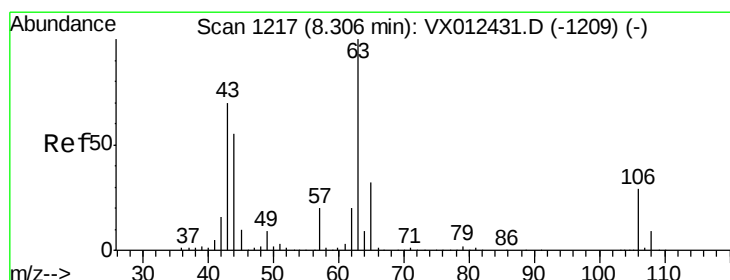
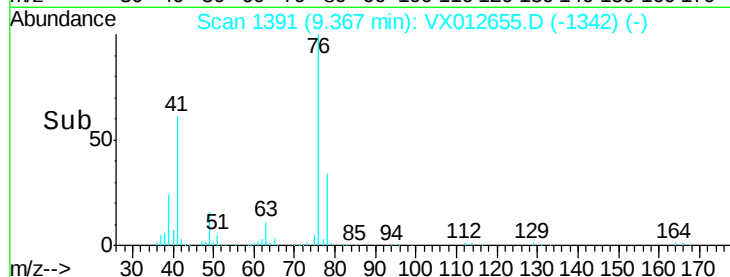
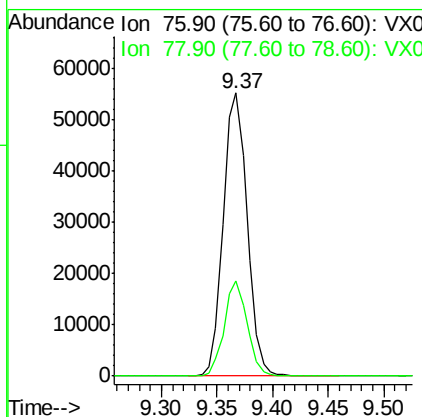
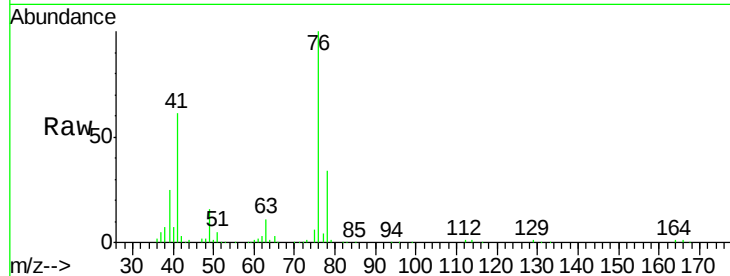
#57
 1,3-Dichloropropane
 Concen: 20.867 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012655.D
 Acq: 25 Sep 2019 12:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0925WBSD01

Tot Ion: 76 Resp: 82304
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.2

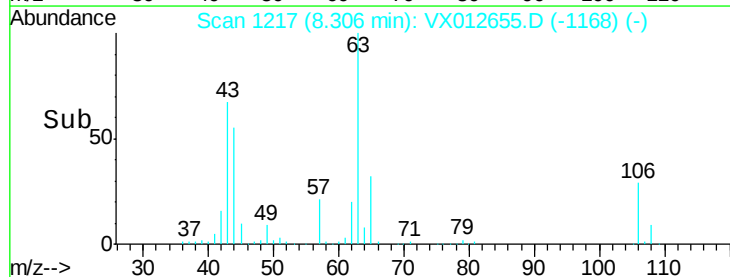
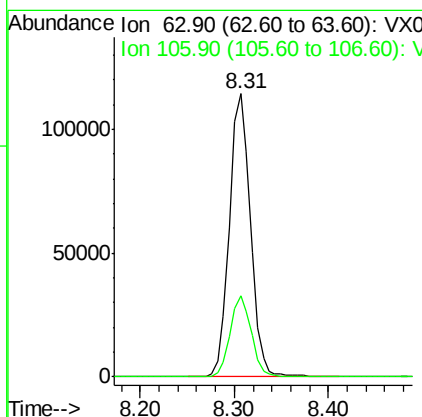
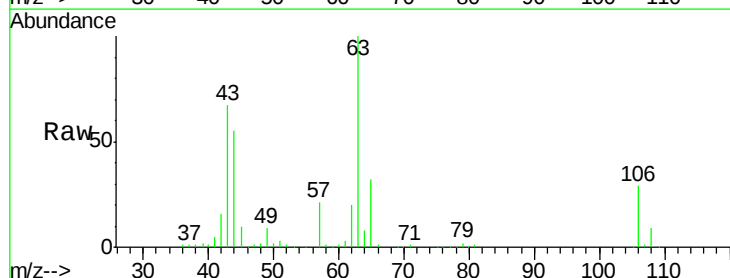
Manual Integrations
 APPROVED

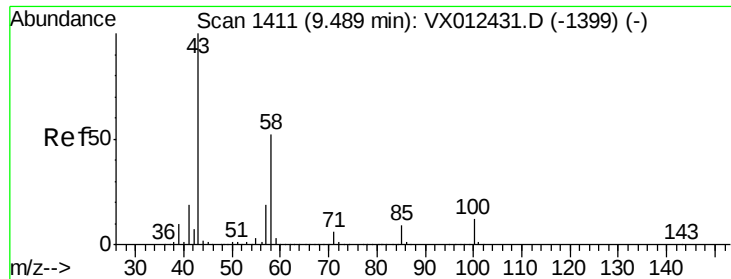
MMDadoda
 9/26/2019 9:33:42 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.129 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX012655.D
 Acq: 25 Sep 2019 12:45

Tgt Ion: 63 Resp: 178668
 Ion Ratio Lower Upper
 63 100
 106 28.7 23.8 35.6





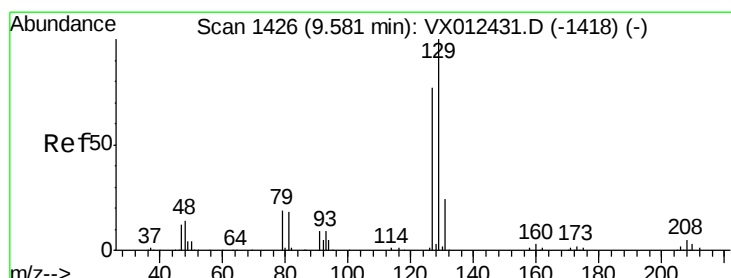
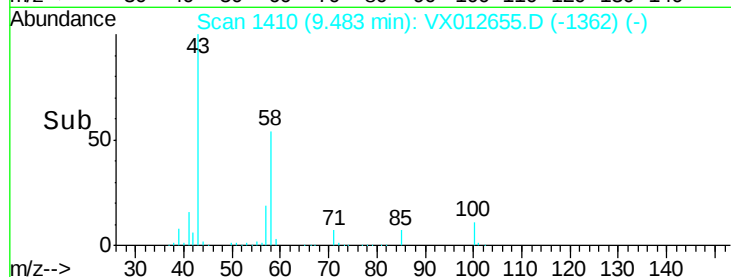
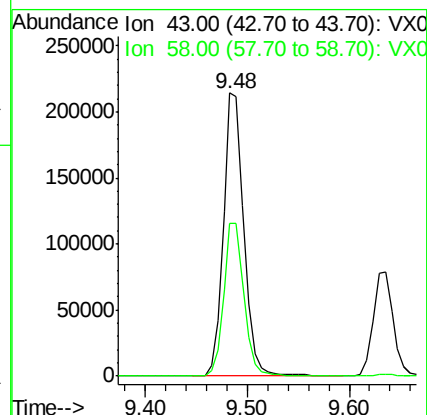
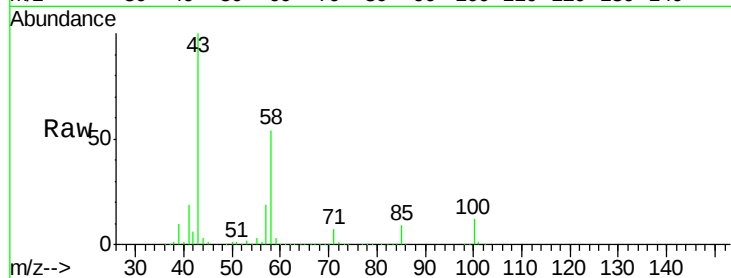
#59
2-Hexanone
Concen: 106.021 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBSD01

Tot Ion: 43 Resp: 300218
Ion Ratio Lower Upper
43 100
58 54.1 25.7 77.1

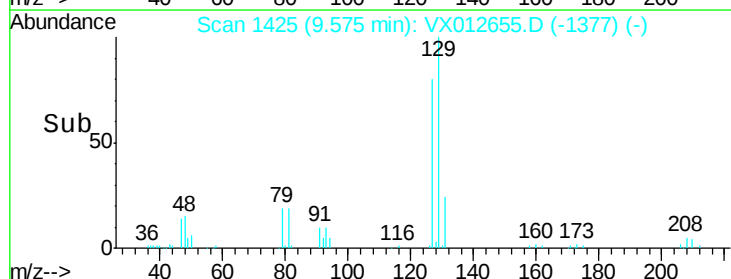
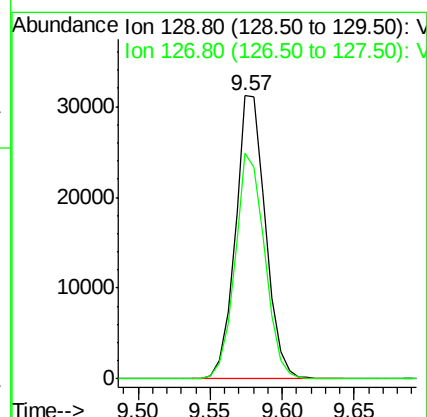
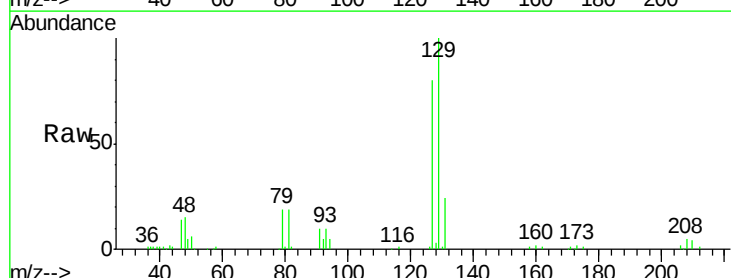
Manual Integrations
APPROVED

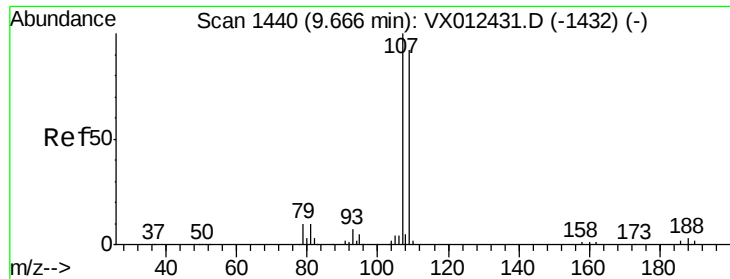
MMDadoda
9/26/2019 9:33:42 AM



#60
Dibromochloromethane
Concen: 19.944 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Tgt Ion: 129 Resp: 45500
Ion Ratio Lower Upper
129 100
127 78.5 38.9 116.6





#61

1,2-Dibromoethane

Concen: 20.775 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBSD01

Tot Ion: 107 Resp: 48727

Ion Ratio Lower Upper

107 100

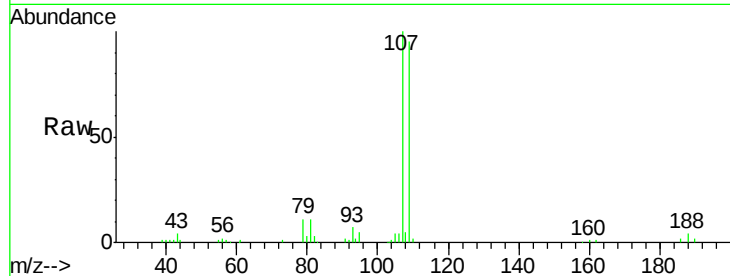
109 94.1 74.7 112.1

Manual Integrations

APPROVED

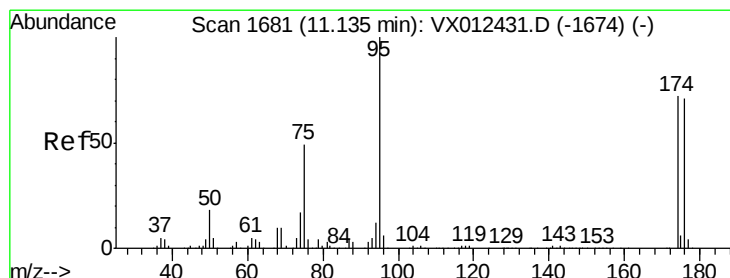
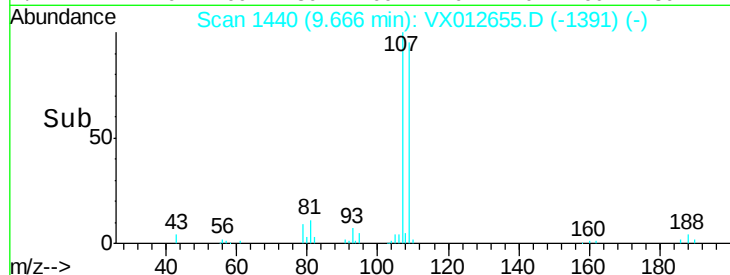
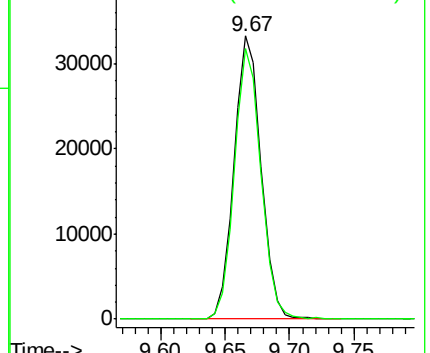
MMDadoda

9/26/2019 9:33:42 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.036 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

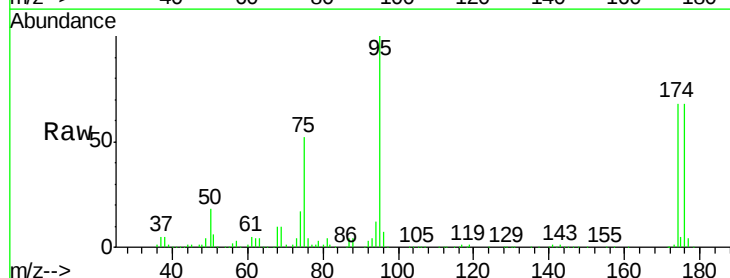
Tgt Ion: 95 Resp: 140630

Ion Ratio Lower Upper

95 100

174 66.2 0.0 140.0

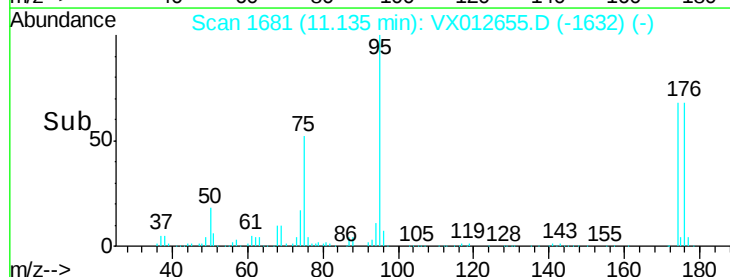
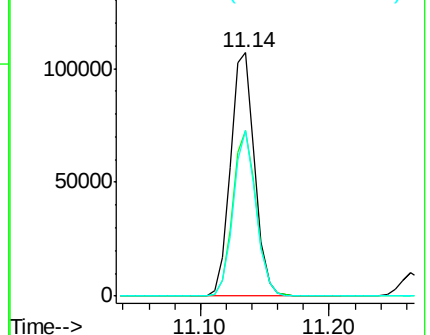
176 64.2 0.0 135.4

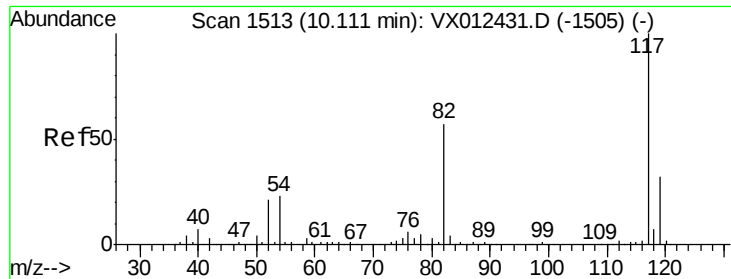


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





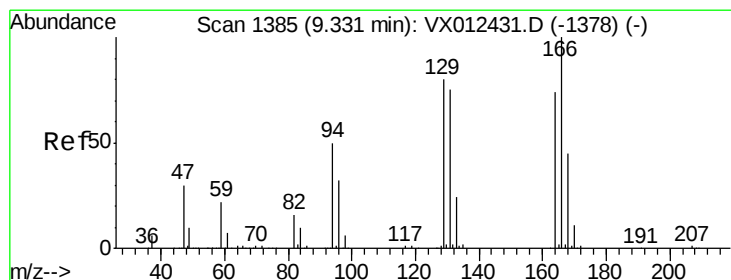
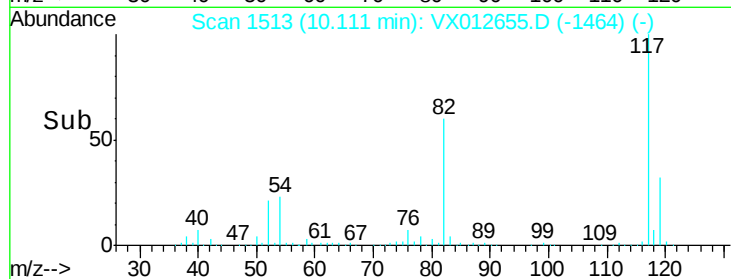
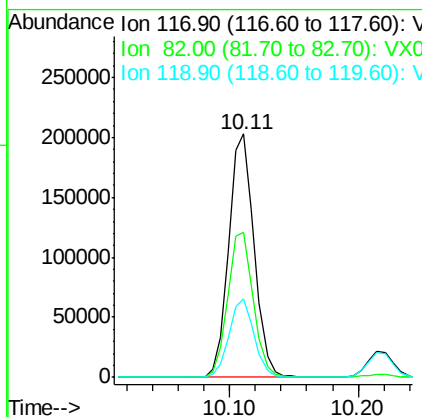
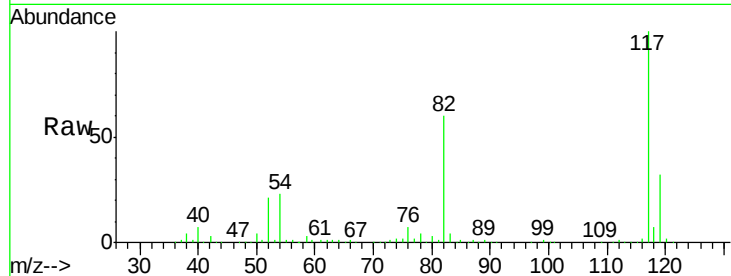
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	280880		
82	59.6	45.9	68.9	
119	32.0	25.3	37.9	

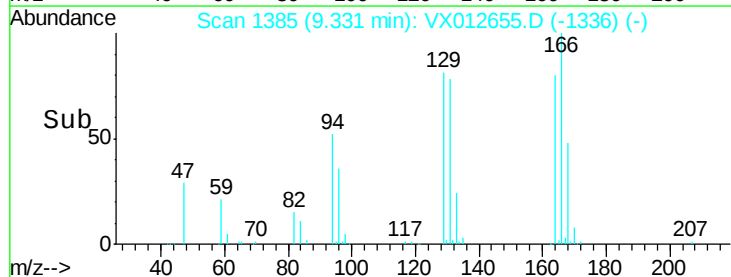
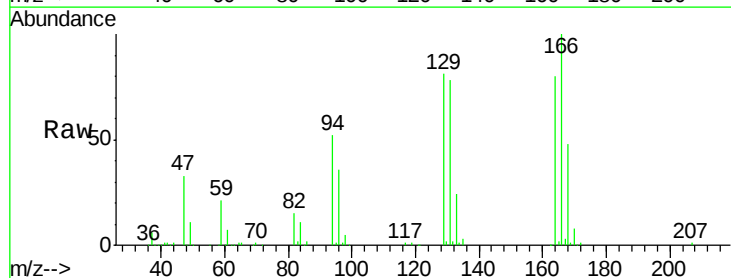
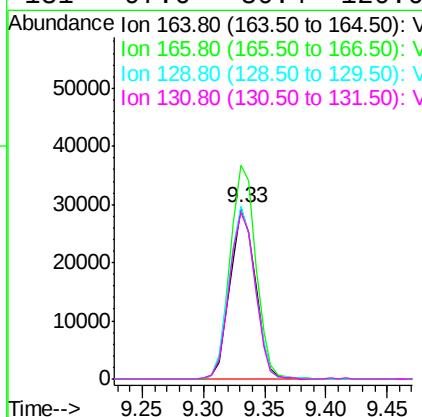
Manual Integrations
APPROVED

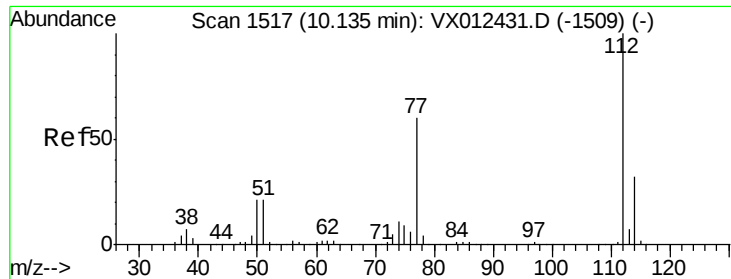
MMDadoda
9/26/2019 9:33:42 AM



#64
Tetrachloroethene
Concen: 21.470 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	42045		
166	124.9	107.8	161.6	
129	100.7	86.2	129.2	
131	97.6	80.4	120.6	





#65

Chlorobenzene

Concen: 20.357 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBSD01

Tot Ion:112 Resp: 120404

Ion Ratio Lower Upper

112 100

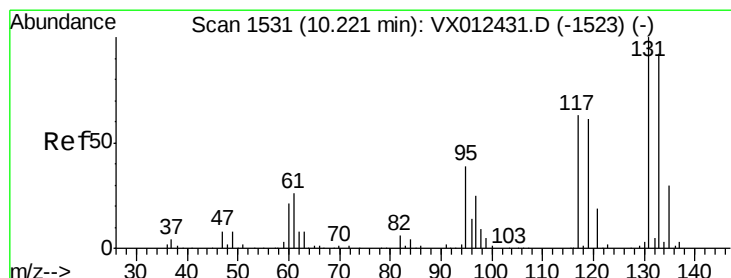
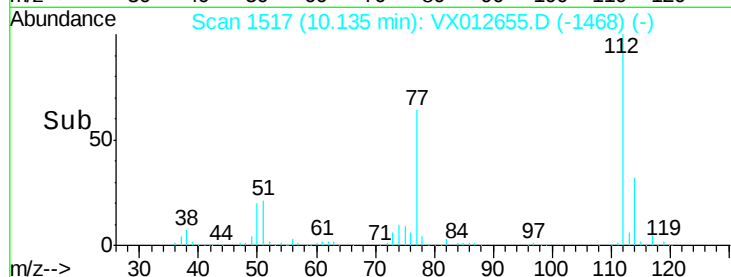
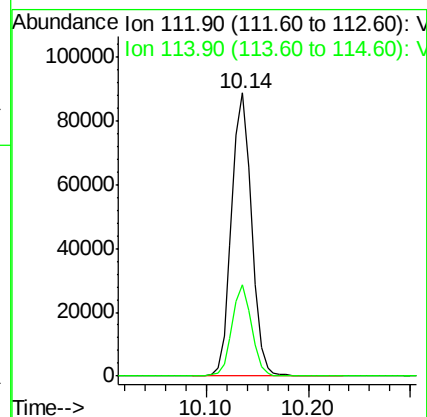
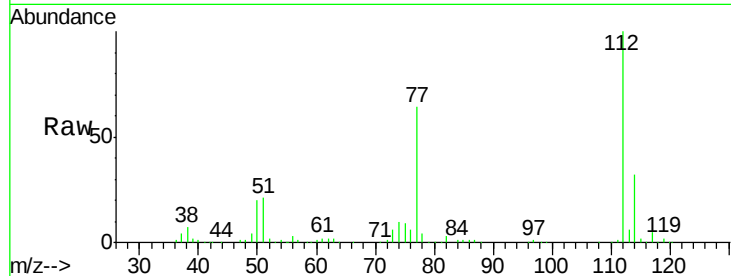
114 32.1 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

9/26/2019 9:33:42 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.292 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

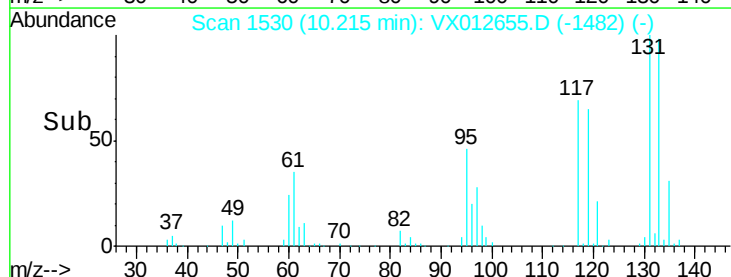
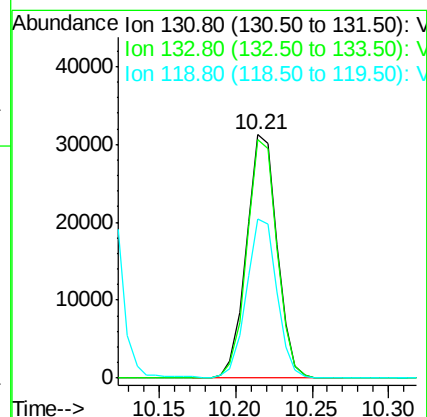
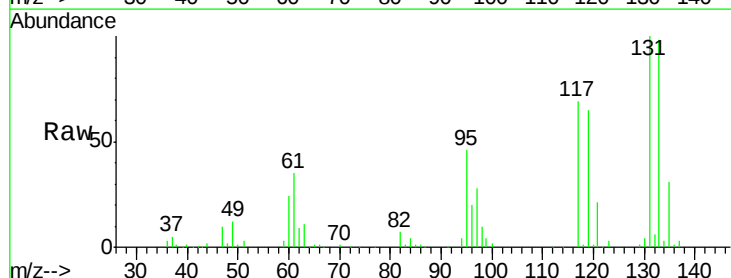
Tgt Ion:131 Resp: 43486

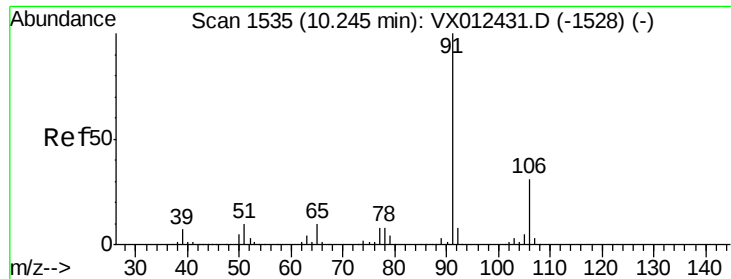
Ion Ratio Lower Upper

131 100

133 96.2 47.6 142.9

119 65.1 31.3 93.8





#67

Ethyl Benzene

Concen: 20.980 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBSD01

Tot Ion: 91 Resp: 225069

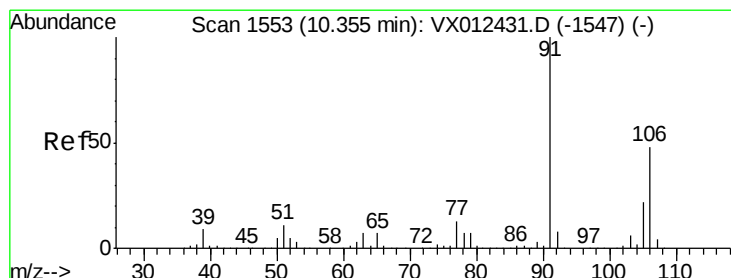
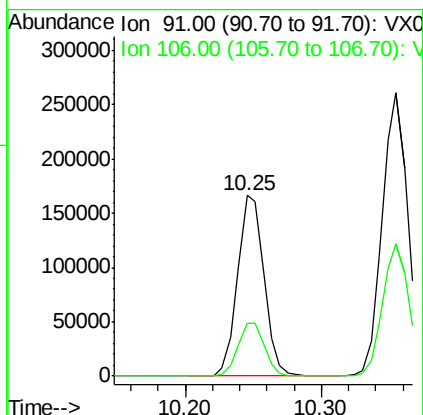
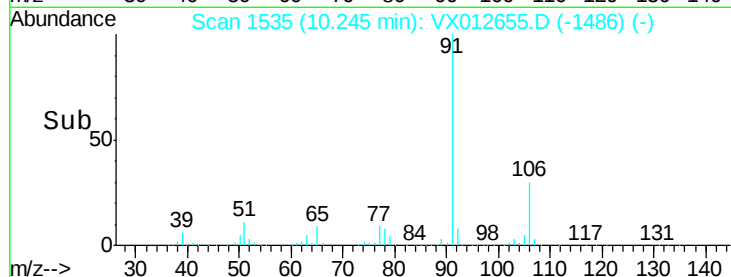
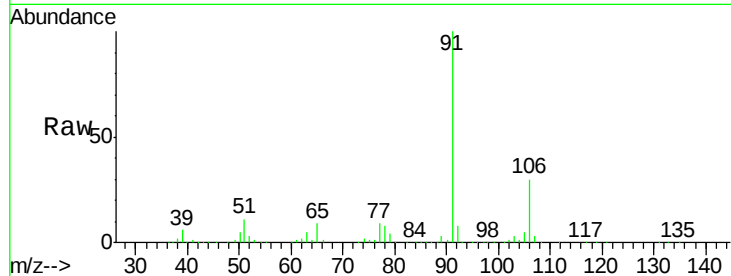
Ion Ratio Lower Upper

91 100

106 29.5 24.6 37.0

Manual Integrations
APPROVED

MMDadoda
9/26/2019 9:33:42 AM



#68

m/p-Xylenes

Concen: 40.751 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX012655.D

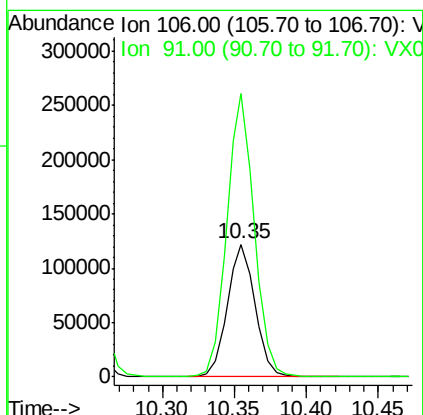
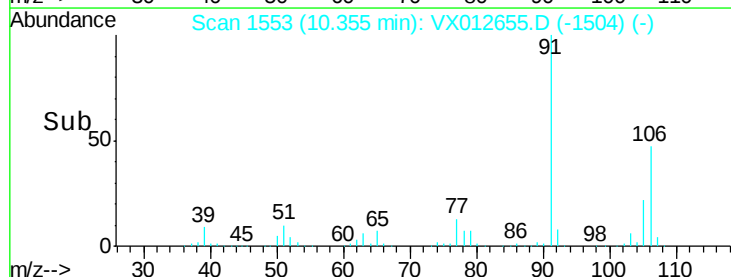
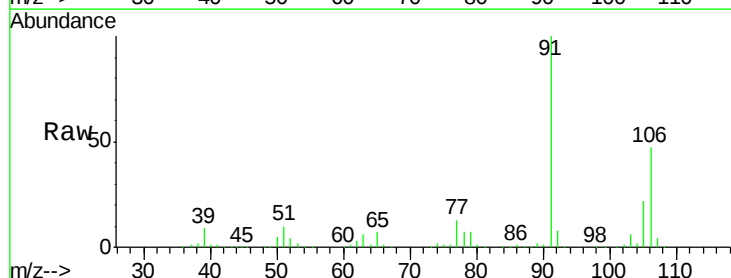
Acq: 25 Sep 2019 12:45

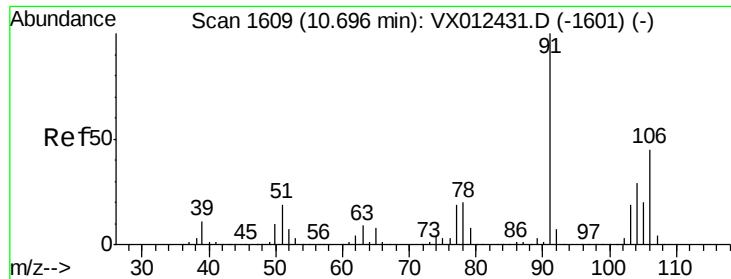
Tgt Ion: 106 Resp: 163765

Ion Ratio Lower Upper

106 100

91 212.4 166.6 250.0





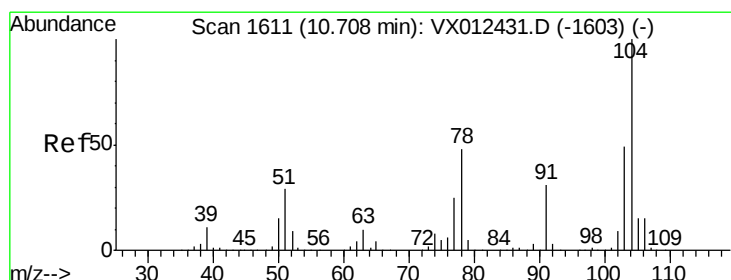
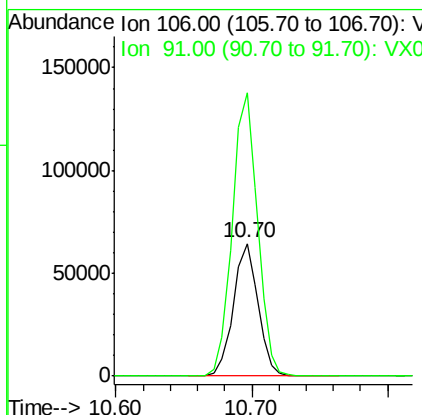
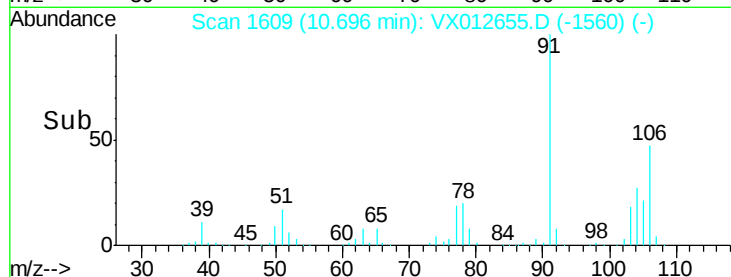
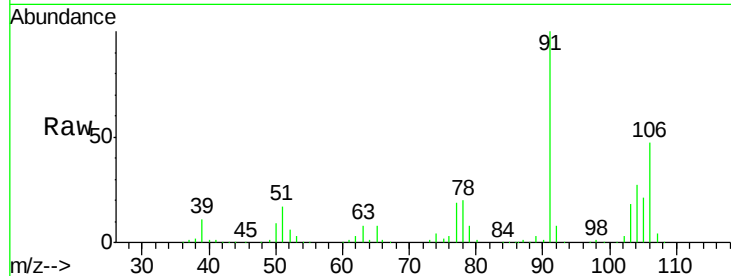
#69
o-Xylene
Concen: 20.838 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBSD01

Tot Ion:106 Resp: 81028
Ion Ratio Lower Upper
106 100
91 219.7 109.4 328.2

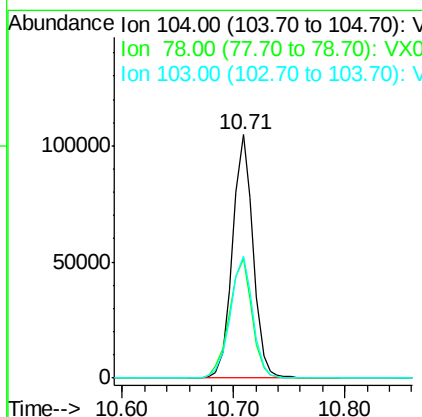
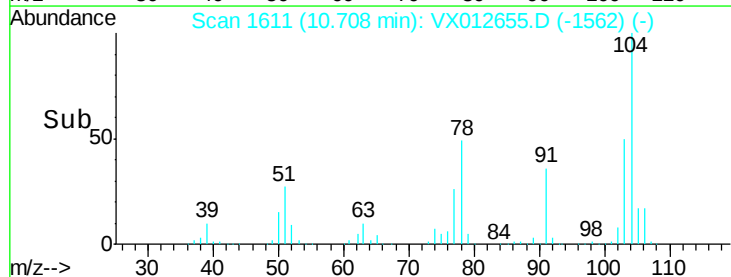
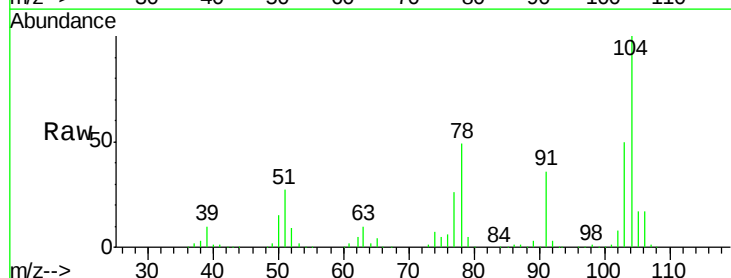
Manual Integrations
APPROVED

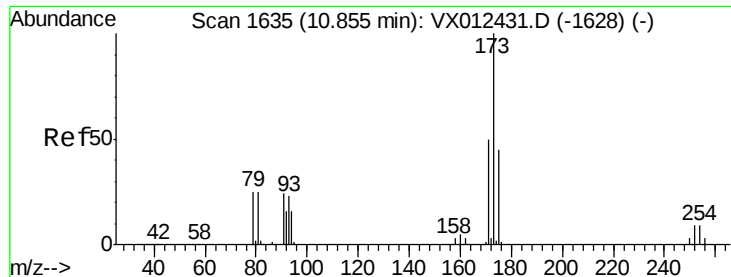
MMDadoda
9/26/2019 9:33:42 AM



#70
Styrene
Concen: 20.526 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Tgt Ion:104 Resp: 133803
Ion Ratio Lower Upper
104 100
78 54.5 43.4 65.2
103 54.8 43.3 64.9





#71

Bromoform

Concen: 18.952 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBSD01

Tot Ion:173 Resp: 28280

Ion Ratio Lower Upper

173 100

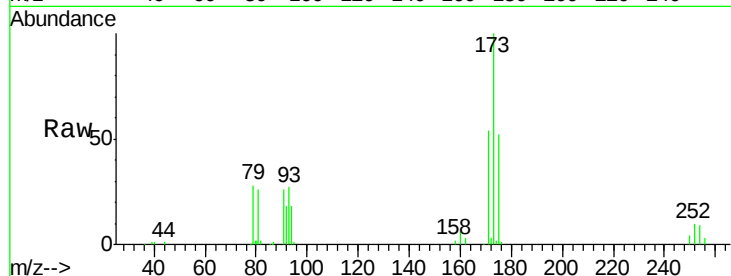
175 49.5 23.7 71.1

254 0.0 0.1 0.1#

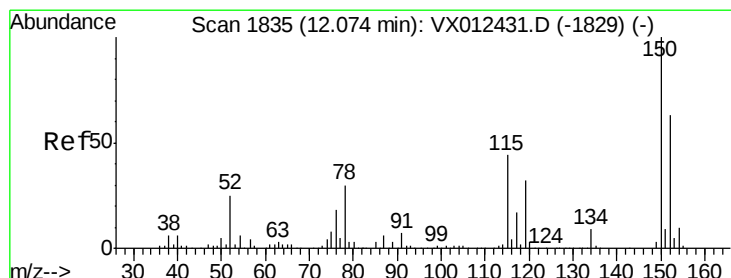
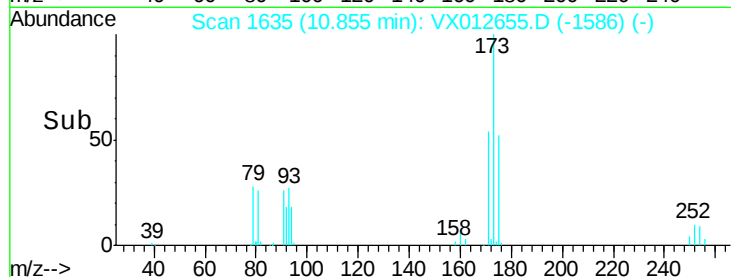
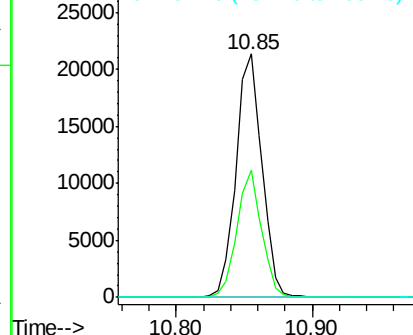
Manual Integrations
APPROVED

MMDadoda

9/26/2019 9:33:42 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

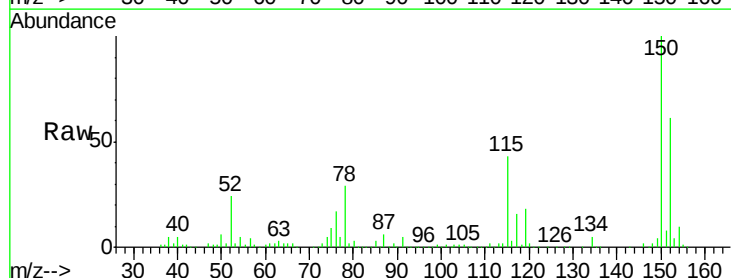
Tgt Ion:152 Resp: 124177

Ion Ratio Lower Upper

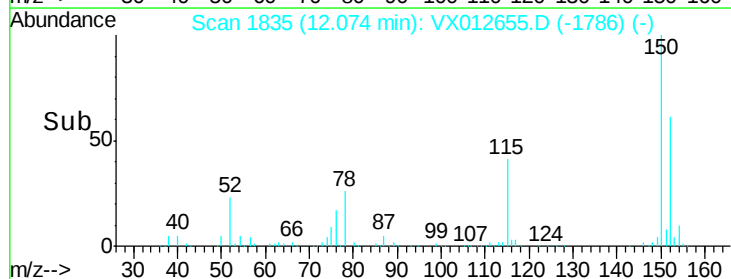
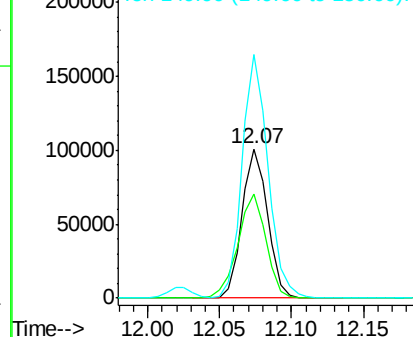
152 100

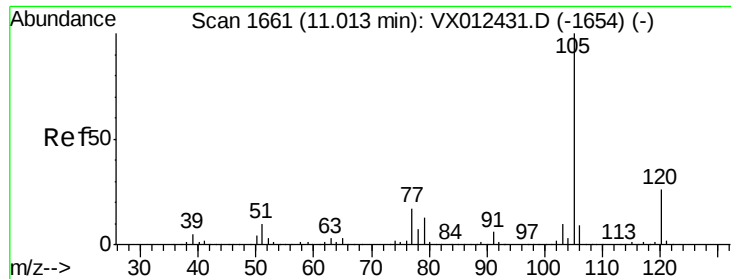
115 77.0 44.1 132.3

150 166.4 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.088 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBSD01

Tot Ion: 105 Resp: 213277

Ion Ratio Lower Upper

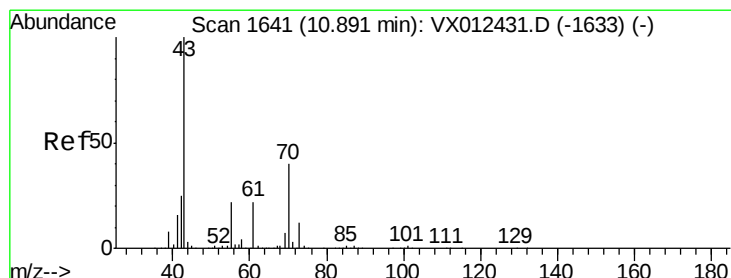
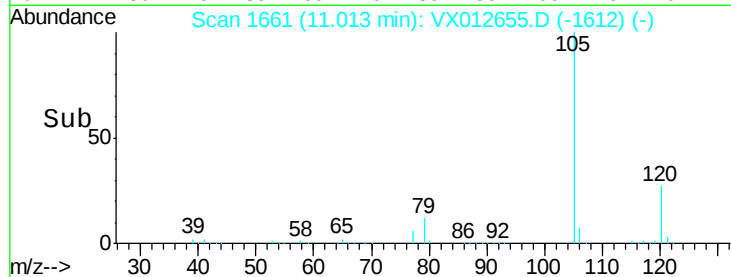
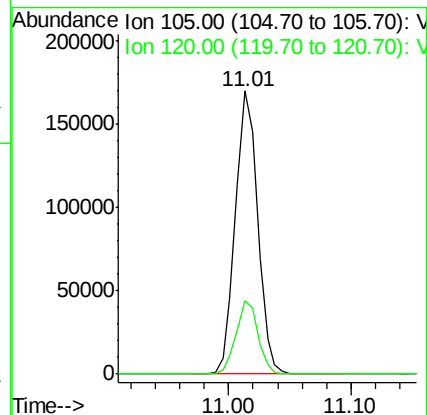
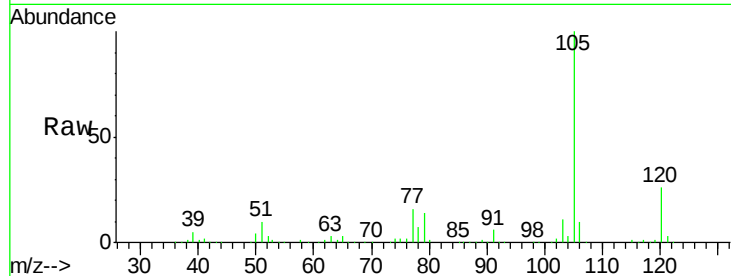
105 100

120 25.6 12.9 38.7

Manual Integrations
APPROVED

MMDadoda

9/26/2019 9:33:42 AM



#74

N-ethyl acetate

Concen: 21.193 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Tgt Ion: 43 Resp: 102257

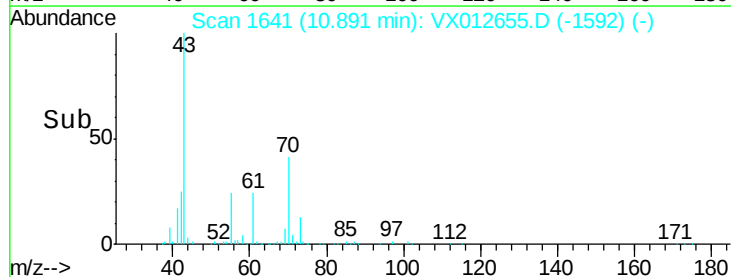
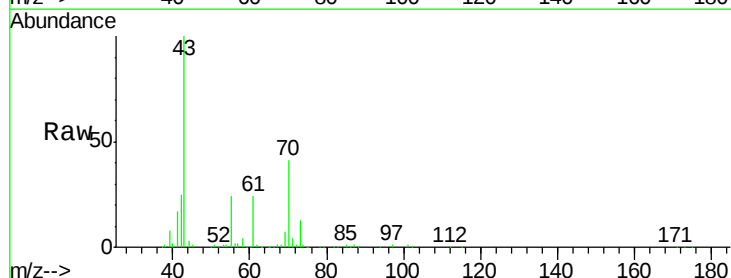
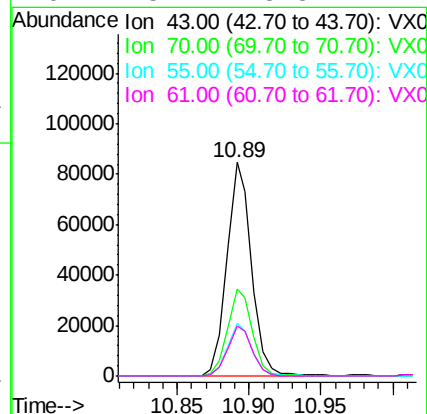
Ion Ratio Lower Upper

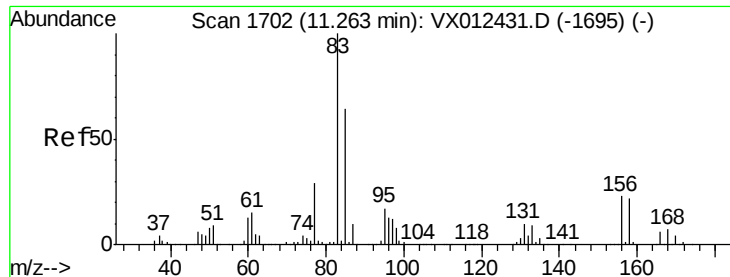
43 100

70 41.4 32.4 48.6

55 24.3 18.2 27.4

61 23.7 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.502 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Instrument :

MSVOA_X

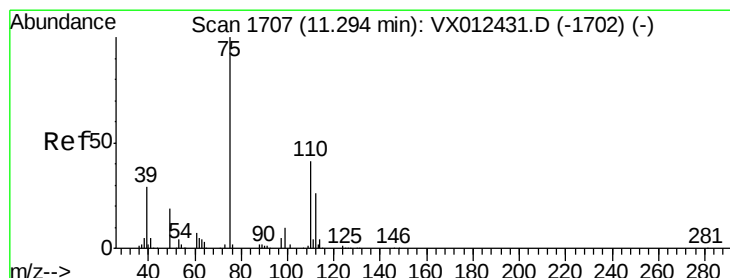
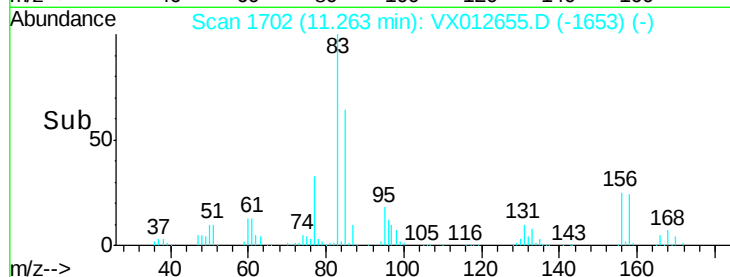
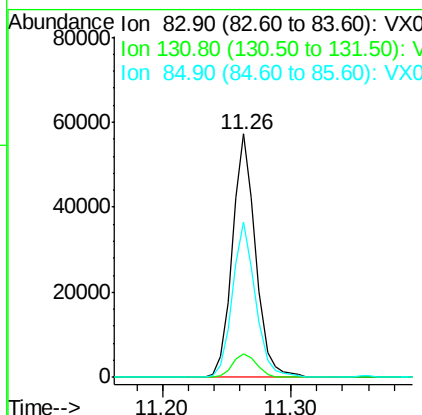
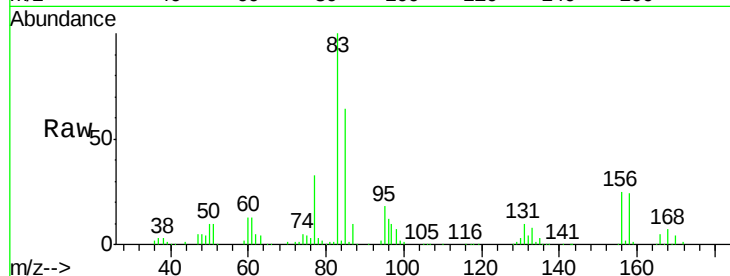
ClientSampleId :

VX0925WBSD01

Tot Ion:	83	Resp:	72022
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.2	15.6
85	63.7	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
9/26/2019 9:33:42 AM



#76

1,2,3-Trichloropropane

Concen: 21.363 ug/l m

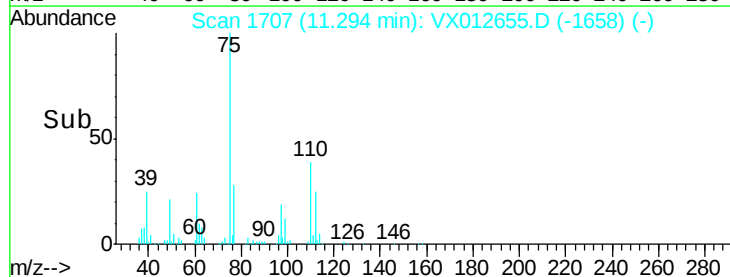
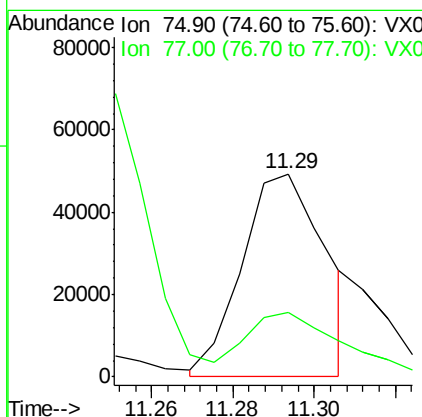
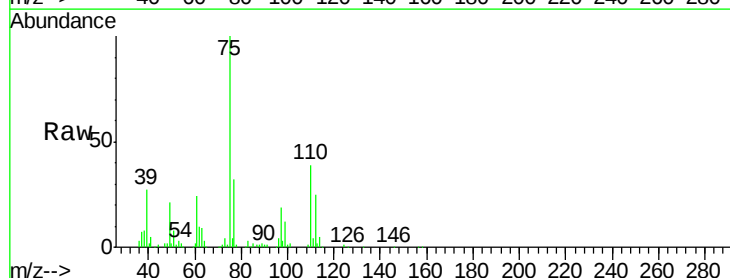
RT: 11.29 min Scan# 1707

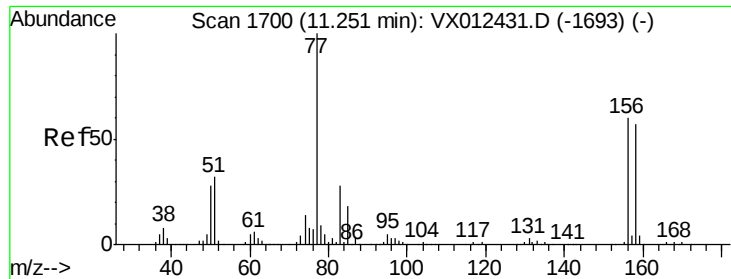
Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Tgt Ion:	75	Resp:	70172
Ion	Ratio	Lower	Upper
75	100		
77	37.2	19.7	59.0





#77

Bromobenzene

Concen: 20.862 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBSD01

Tot Ion:156 Resp: 47753

Ion Ratio Lower Upper

156 100

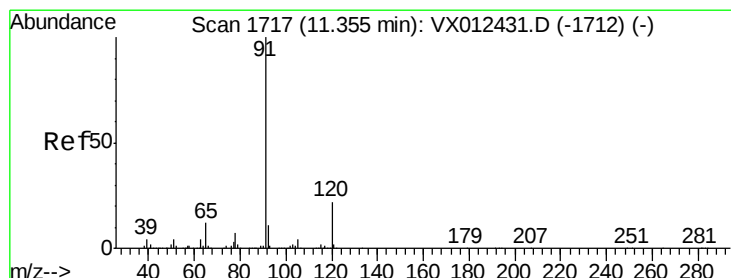
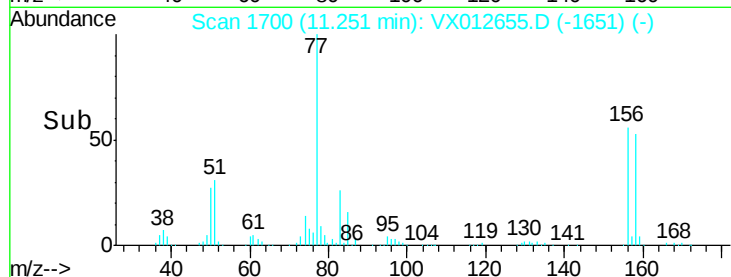
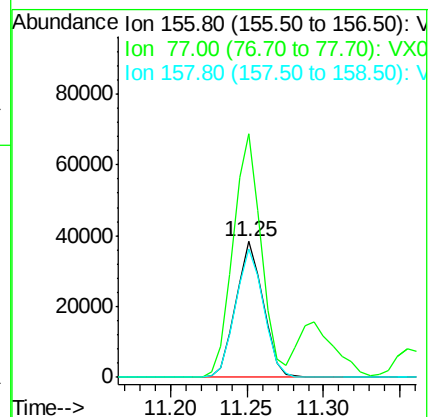
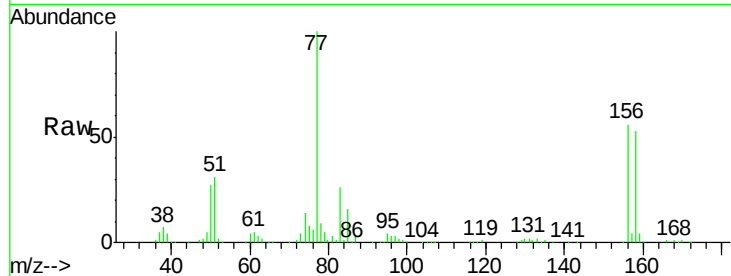
77 183.9 87.3 261.8

158 96.9 48.5 145.6

Manual Integrations
APPROVED

MMDadoda

9/26/2019 9:33:42 AM



#78

n-propylbenzene

Concen: 20.761 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012655.D

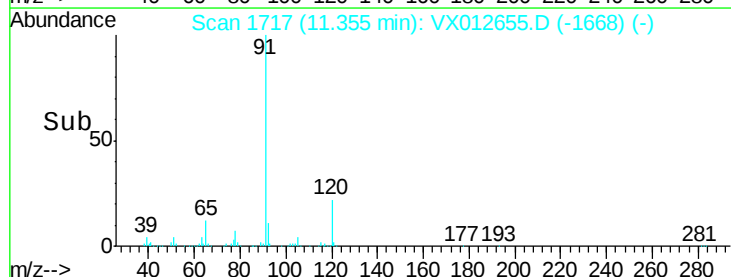
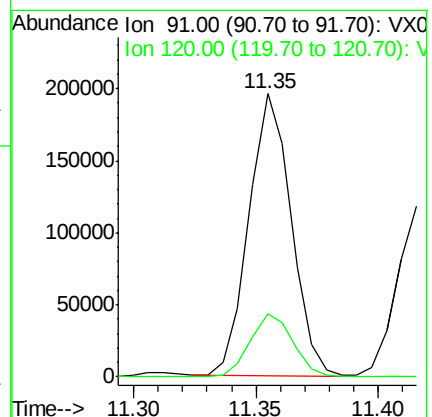
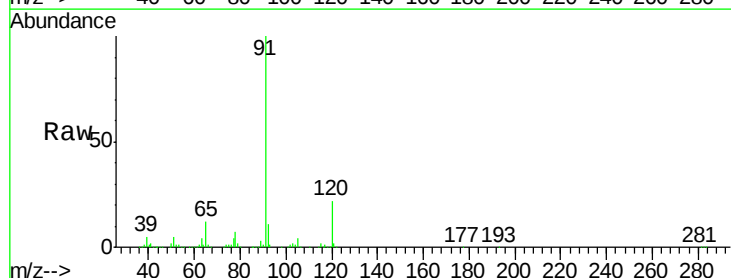
Acq: 25 Sep 2019 12:45

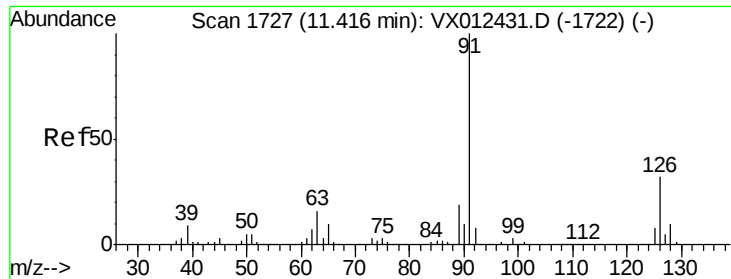
Tgt Ion: 91 Resp: 236390

Ion Ratio Lower Upper

91 100

120 22.5 11.3 33.8





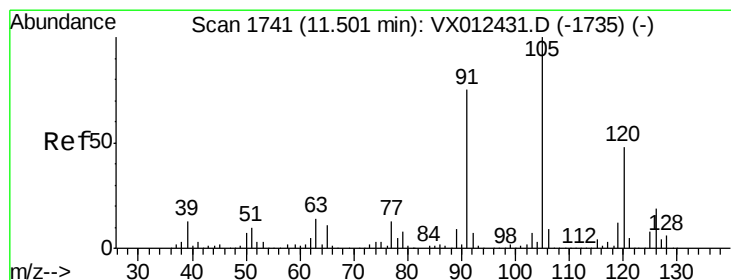
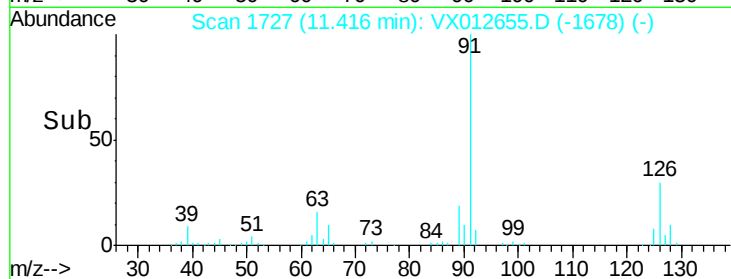
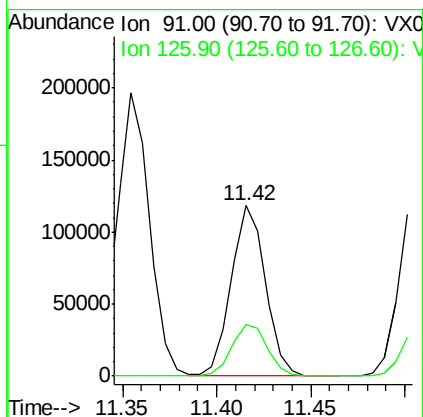
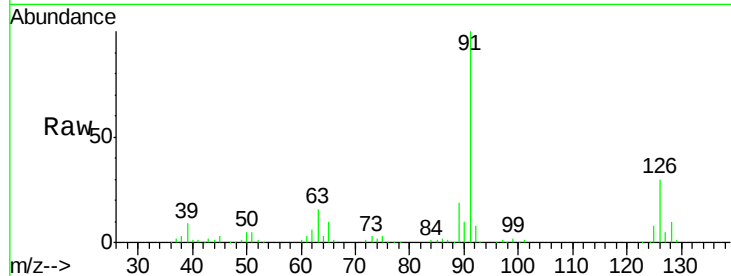
#79
 2-Chlorotoluene
 Concen: 20.790 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012655.D
 Acq: 25 Sep 2019 12:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0925WBSD01

Tot Ion: 91 Resp: 147671
 Ion Ratio Lower Upper
 91 100
 126 31.7 16.4 49.4

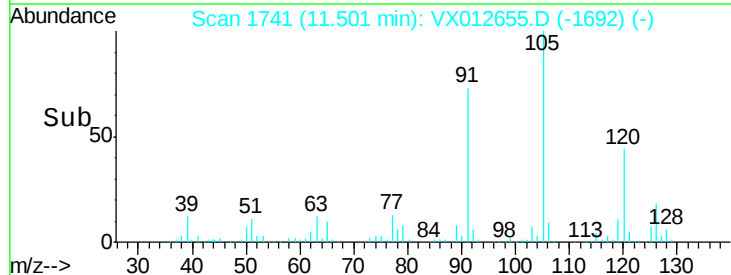
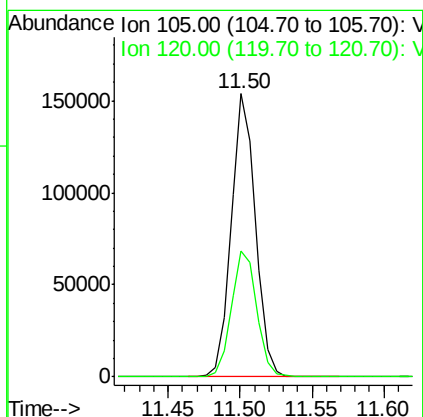
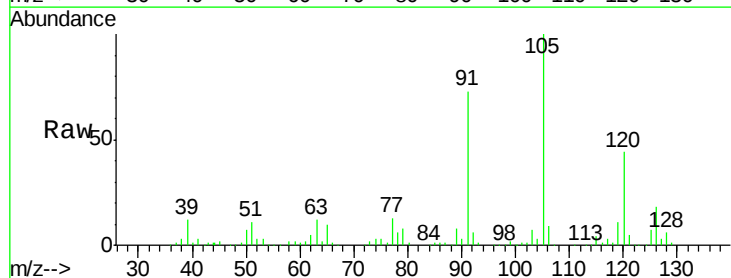
Manual Integrations
 APPROVED

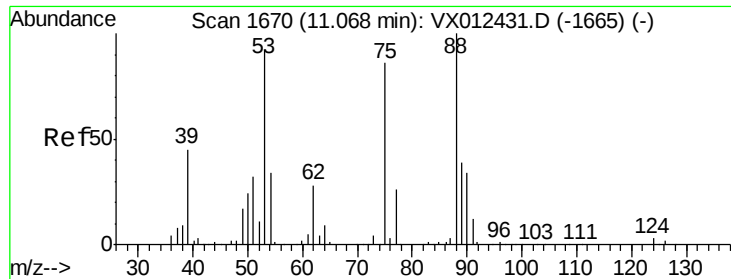
MMDadoda
 9/26/2019 9:33:42 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.423 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012655.D
 Acq: 25 Sep 2019 12:45

Tgt Ion: 105 Resp: 181692
 Ion Ratio Lower Upper
 105 100
 120 46.7 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.945 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Instrument :

MSVOA_X

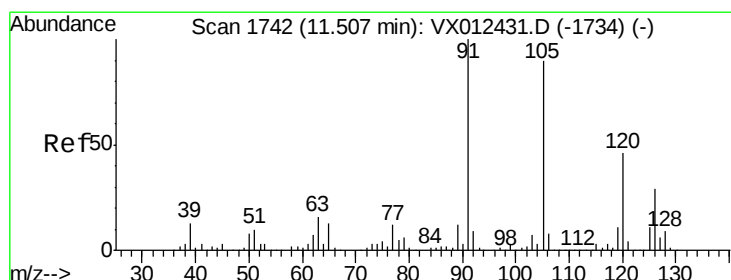
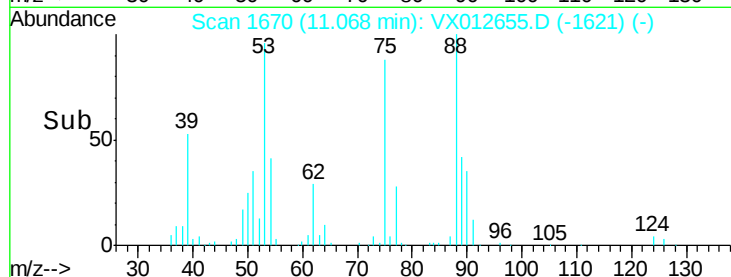
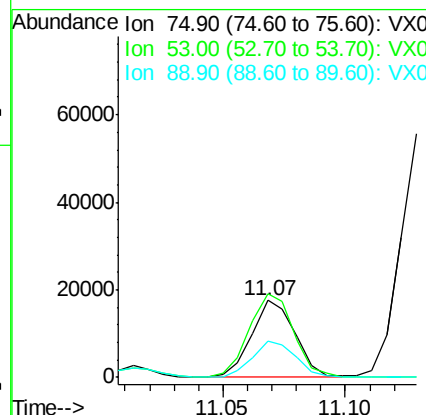
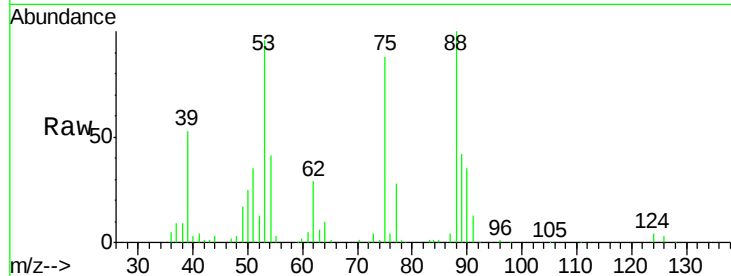
ClientSampleId :

VX0925WBSD01

Tot Ion:	75	Resp:	21715
Ion	Ratio	Lower	Upper
75	100		
53	112.7	83.6	125.4
89	47.4	36.3	54.5

Manual Integrations
APPROVED

MMDadoda
9/26/2019 9:33:42 AM



#82

4-Chlorotoluene

Concen: 21.359 ug/l

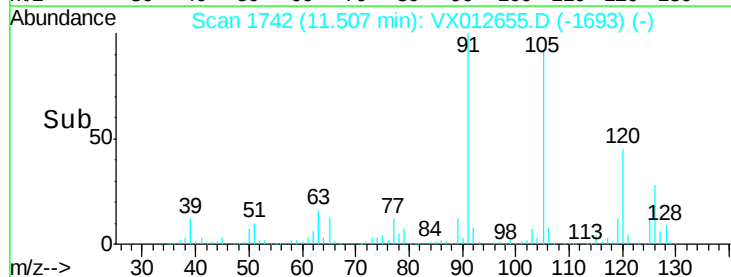
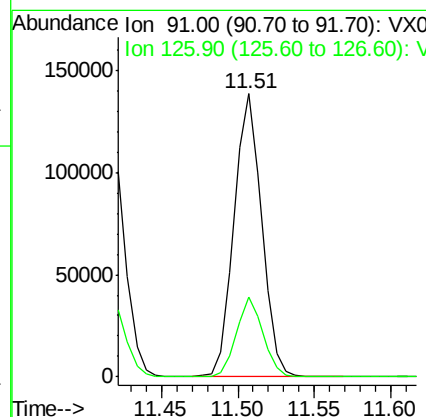
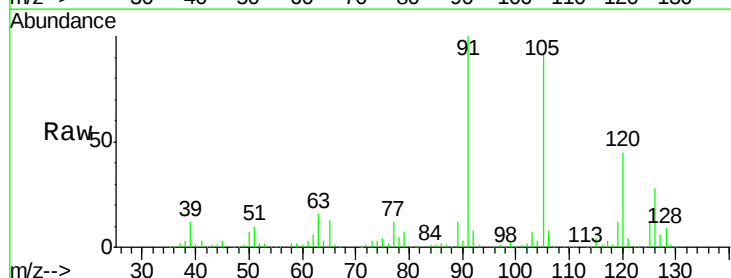
RT: 11.51 min Scan# 1742

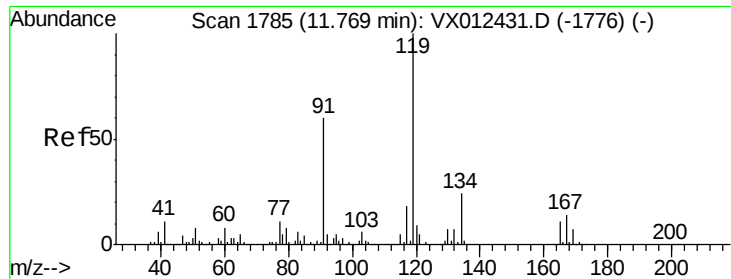
Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Tgt Ion:	91	Resp:	172943
Ion	Ratio	Lower	Upper
91	100		
126	27.1	14.4	43.0





#83

tert-Butylbenzene

Concen: 20.856 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Instrument :

MSVOA_X

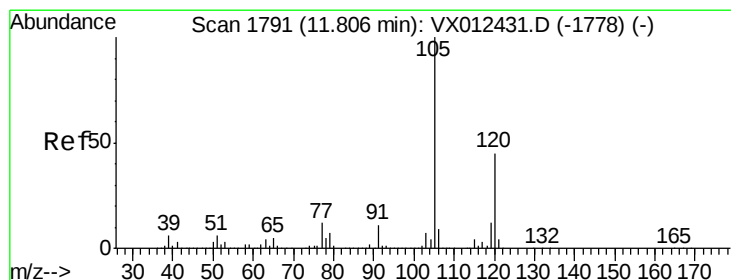
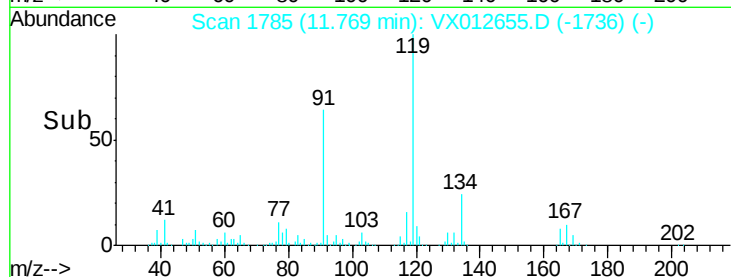
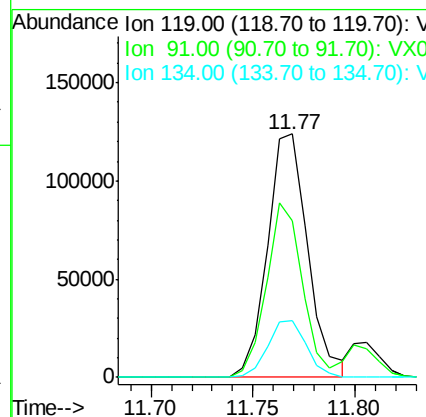
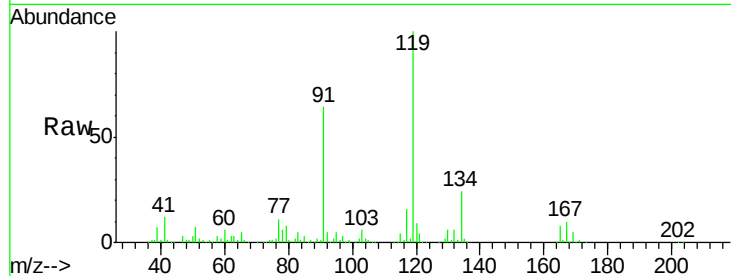
ClientSampleId :

VX0925WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	170629		
91	64.2	30.0	90.0	
134	22.7	11.3	33.9	

Manual Integrations
APPROVED

MMDadoda
9/26/2019 9:33:42 AM



#84

1,2,4-Trimethylbenzene

Concen: 21.332 ug/l

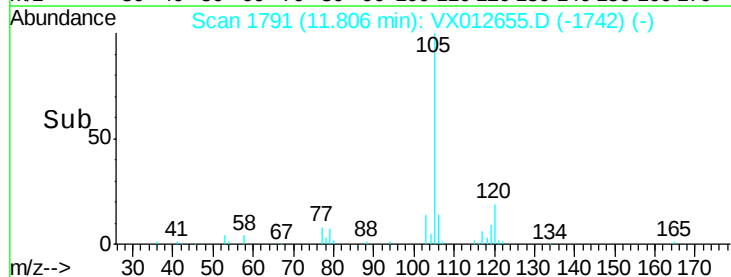
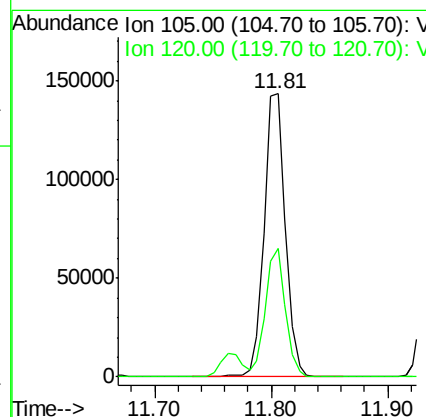
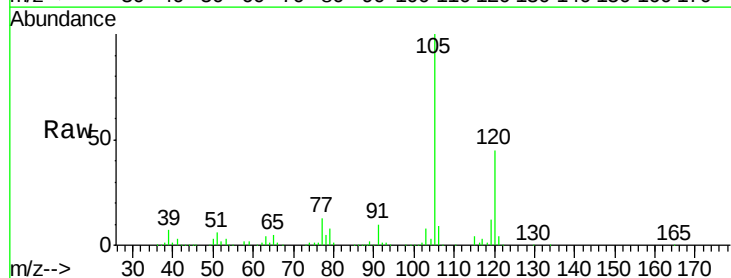
RT: 11.81 min Scan# 1791

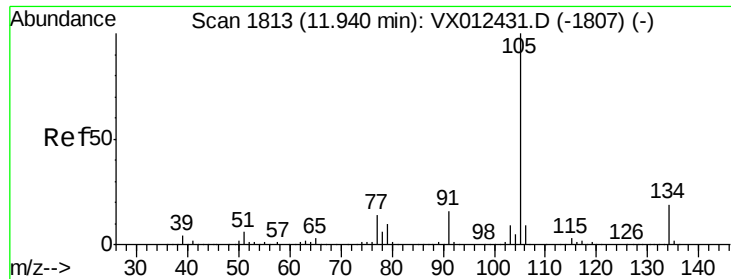
Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	182510		
120	42.8	22.2	66.6	





#85

sec-Butylbenzene

Concen: 21.116 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBSD01

Tot Ion:105 Resp: 200934

Ion Ratio Lower Upper

105 100

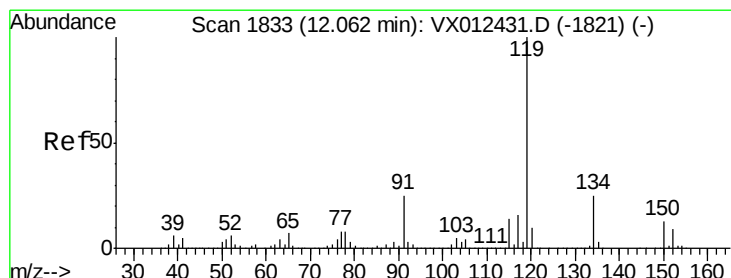
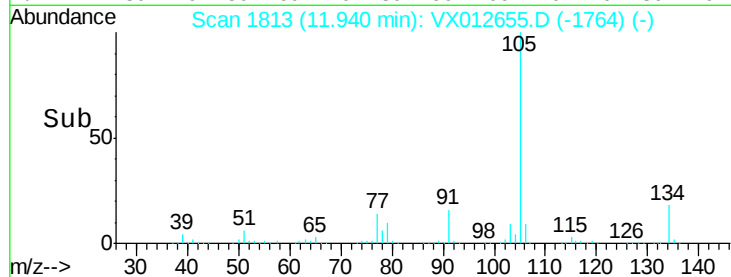
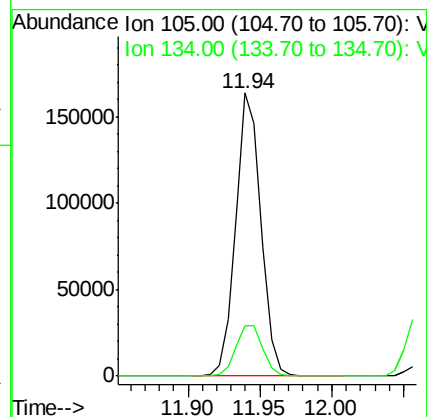
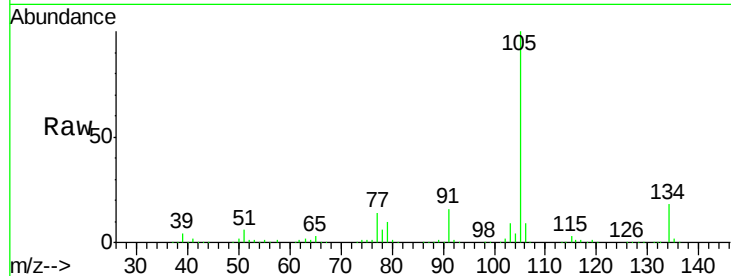
134 19.1 9.8 29.4

Manual Integrations

APPROVED

MMDadoda

9/26/2019 9:33:42 AM



#86

p-Isopropyltoluene

Concen: 21.288 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

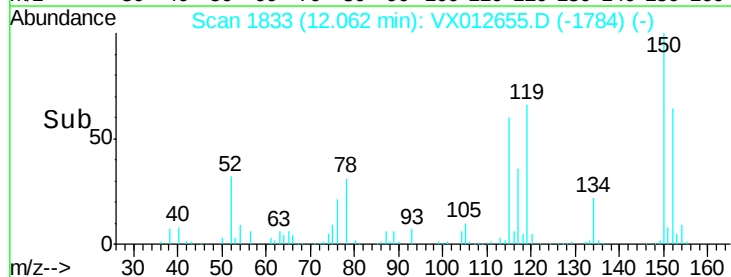
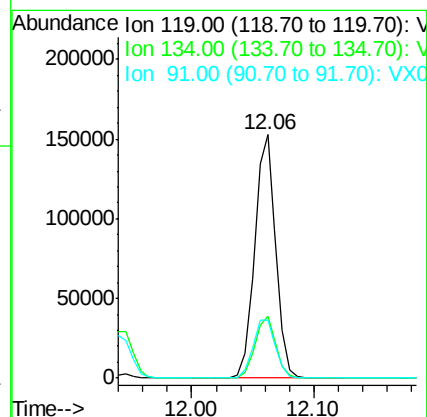
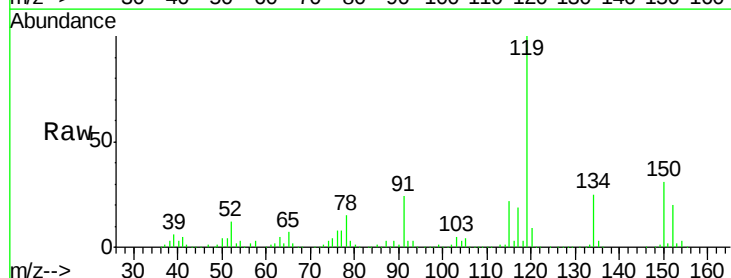
Tgt Ion:119 Resp: 182783

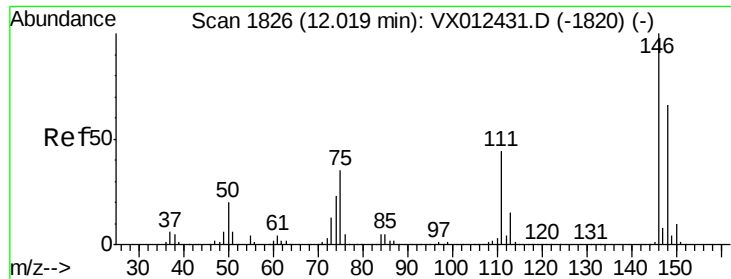
Ion Ratio Lower Upper

119 100

134 25.0 12.7 38.1

91 25.9 12.8 38.4





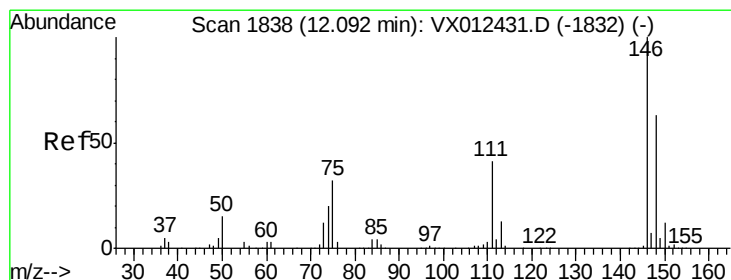
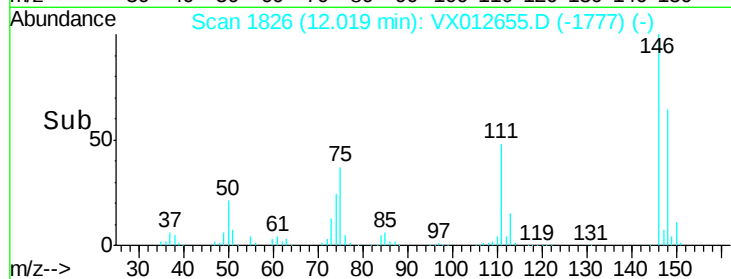
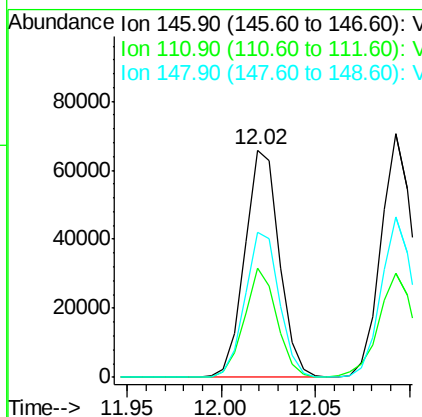
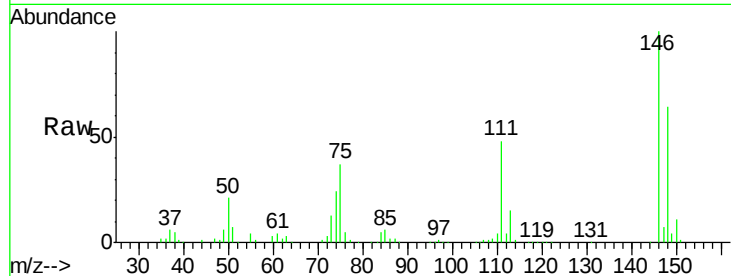
#87
 1,3-Dichlorobenzene
 Concen: 20.362 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012655.D
 Acq: 25 Sep 2019 12:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0925WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	21.3	64.0
148	63.3	32.4	97.2

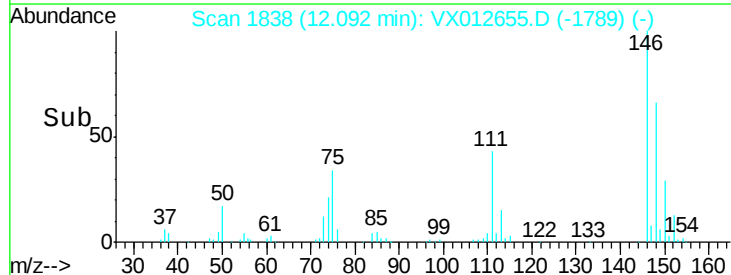
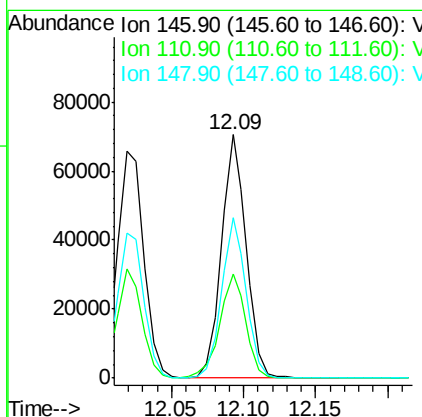
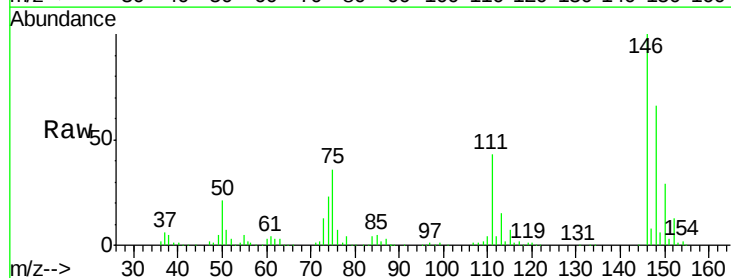
Manual Integrations
 APPROVED

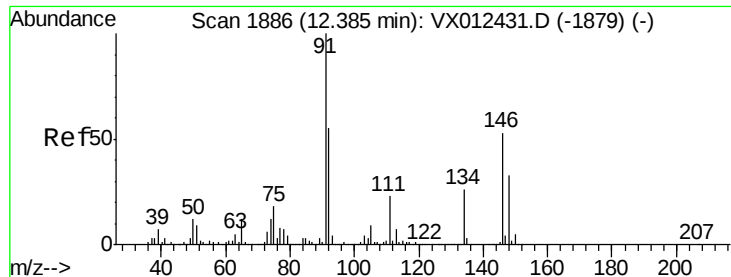
MMDadoda
 9/26/2019 9:33:42 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.433 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012655.D
 Acq: 25 Sep 2019 12:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.4	21.1	63.3
148	65.3	32.1	96.5





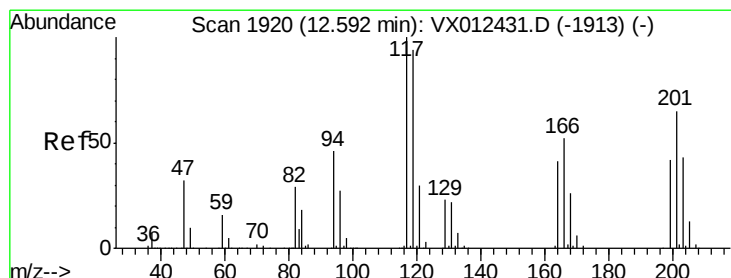
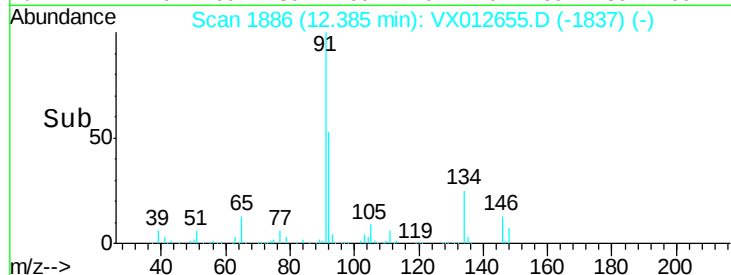
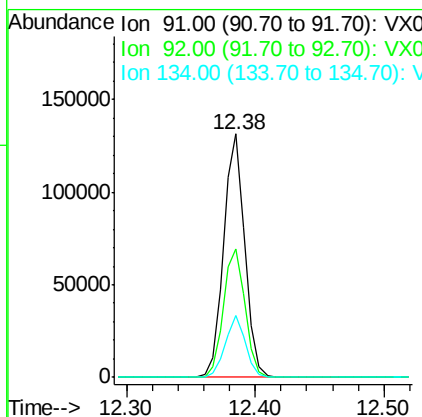
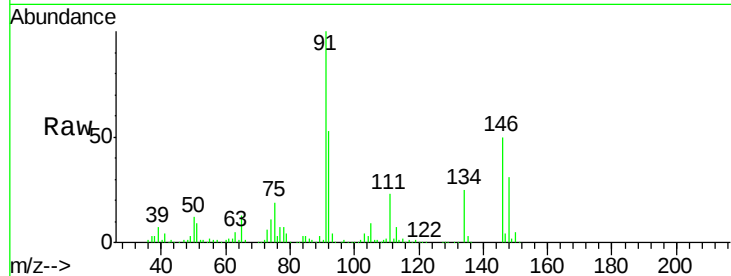
#89
n-Butylbenzene
Concen: 20.147 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.2	27.7	83.0	
134	24.4	12.9	38.6	

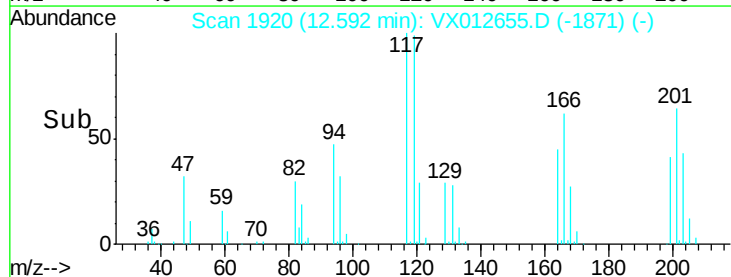
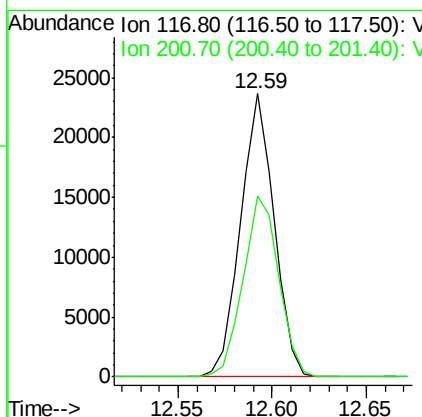
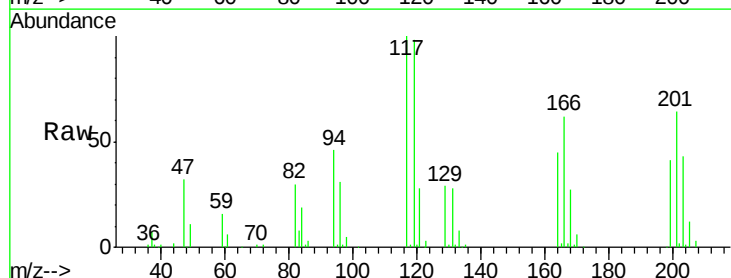
Manual Integrations
APPROVED

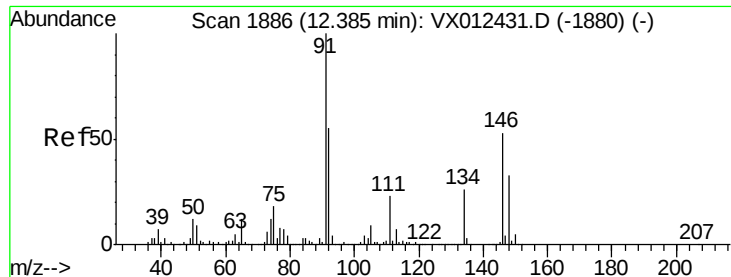
MMDadoda
9/26/2019 9:33:42 AM



#90
Hexachloroethane
Concen: 19.111 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012655.D
Acq: 25 Sep 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	67.7	33.3	99.8	





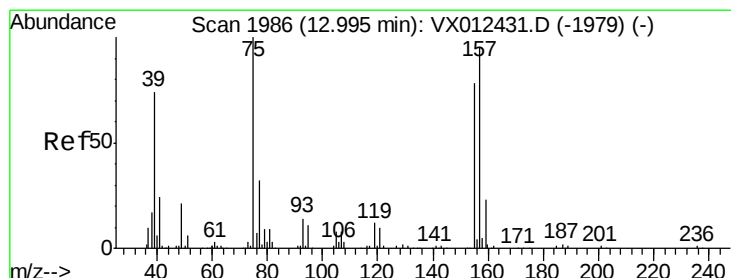
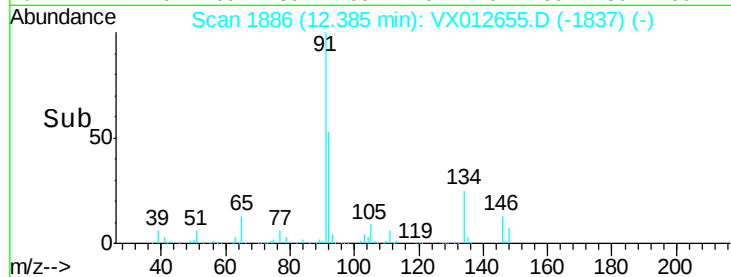
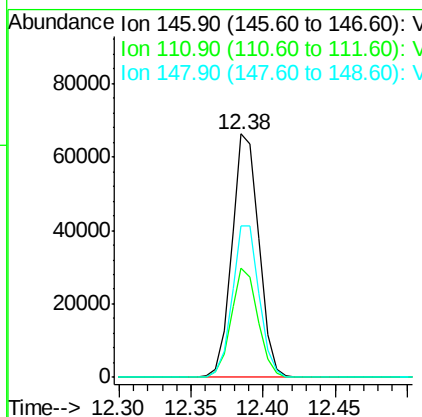
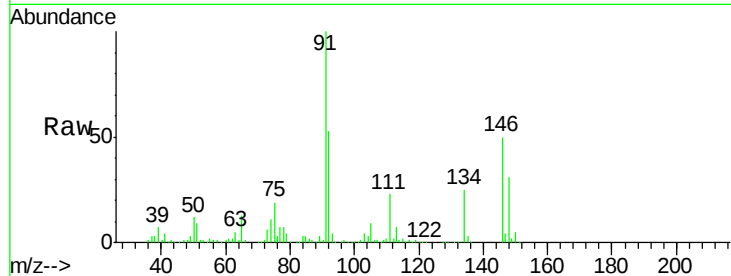
#91
 1,2-Dichlorobenzene
 Concen: 21.081 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012655.D
 Acq: 25 Sep 2019 12:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0925WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.1	66.1
148	62.0	31.3	93.9

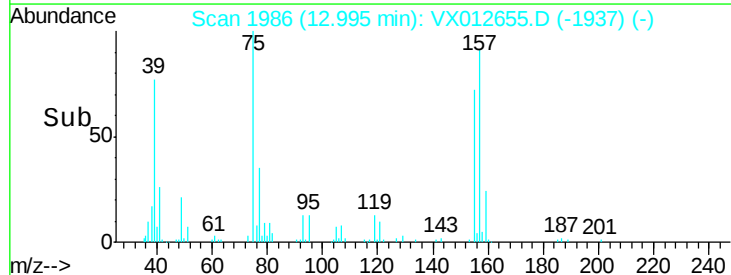
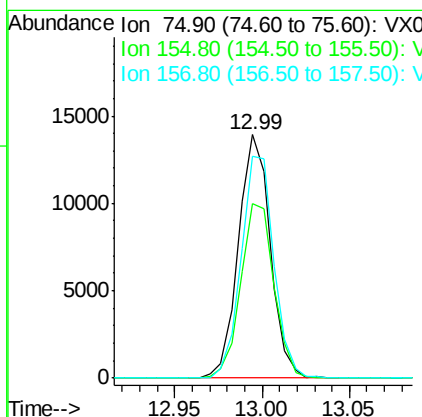
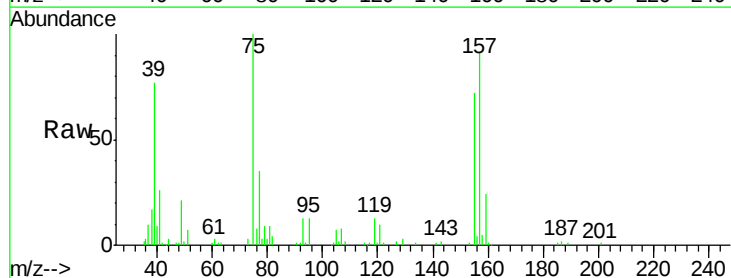
Manual Integrations
 APPROVED

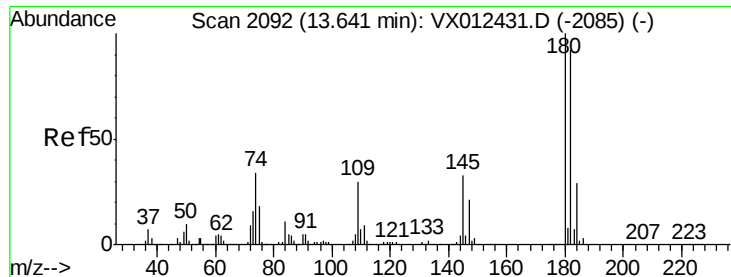
MMDadoda
 9/26/2019 9:33:42 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.995 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012655.D
 Acq: 25 Sep 2019 12:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.7	38.6	115.8
157	93.6	50.6	151.9





#93

1,2,4-Trichlorobenzene

Concen: 19.777 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Instrument :

MSVOA_X

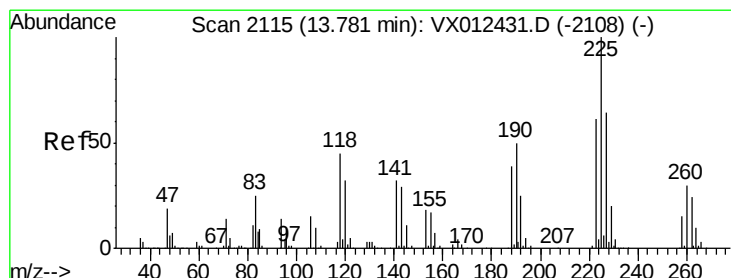
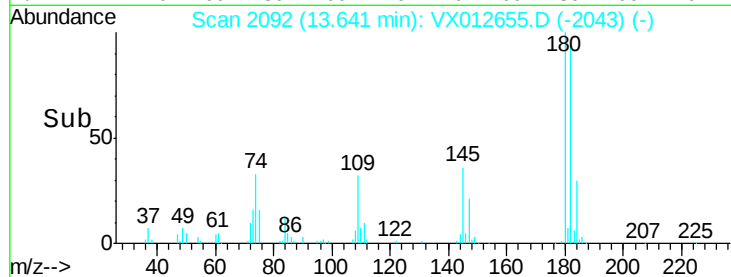
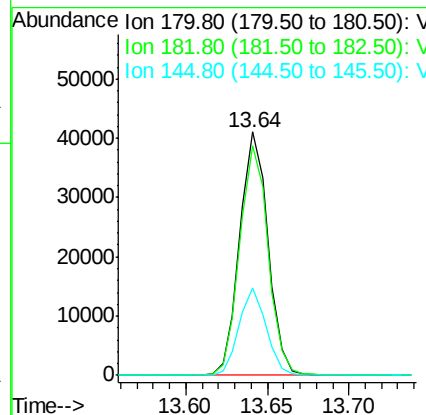
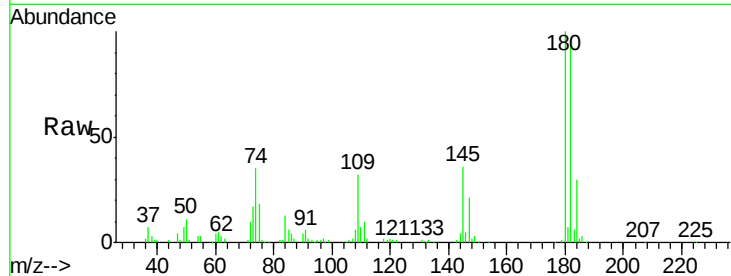
ClientSampleId :

VX0925WBSD01

Tot Ion:	180	Resp:	49741
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.0	141.0
145	34.5	16.8	50.4

Manual Integrations
APPROVED

MMDadoda
9/26/2019 9:33:42 AM



#94

Hexachlorobutadiene

Concen: 20.599 ug/l

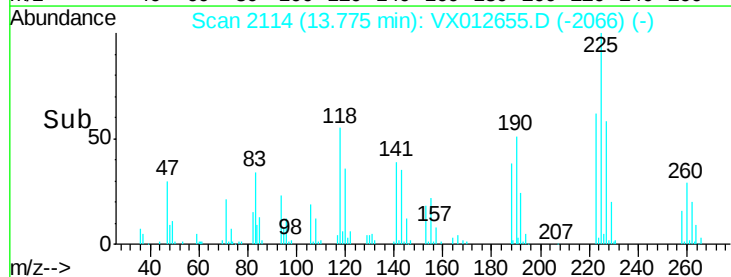
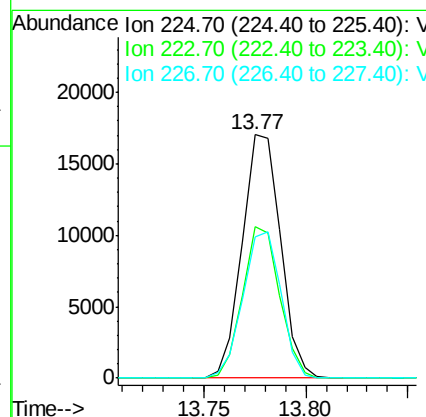
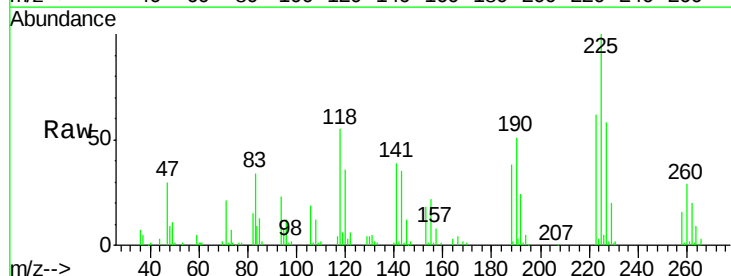
RT: 13.77 min Scan# 2114

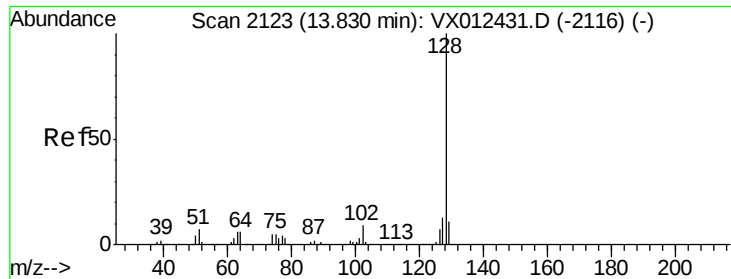
Delta R.T. -0.01 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Tgt Ion:	225	Resp:	22288
Ion Ratio	Lower	Upper	
225	100		
223	60.3	32.0	96.2
227	59.7	31.9	95.5





#95

Naphthalene

Concen: 21.593 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Instrument :

MSVOA_X

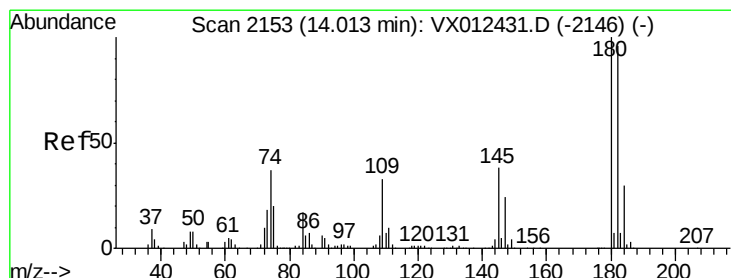
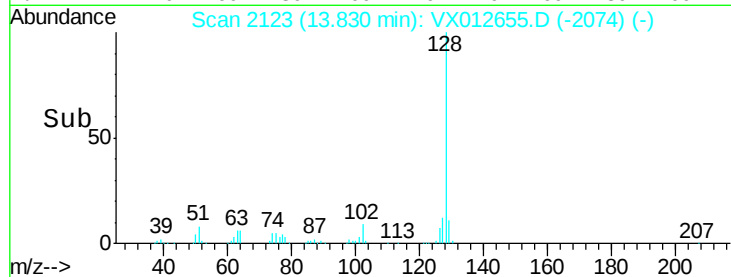
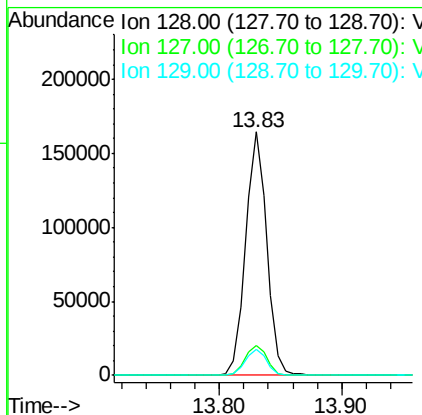
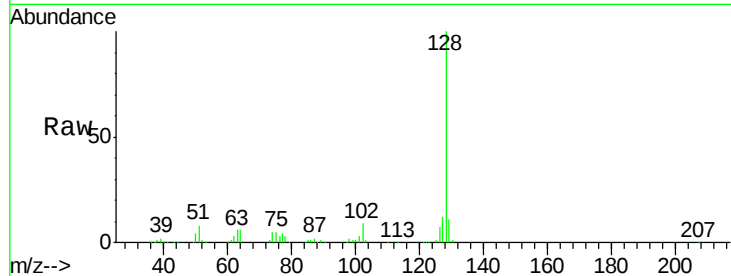
ClientSampleId :

VX0925WBSD01

Tot Ion:	128	Resp:	196487
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.4
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/26/2019 9:33:42 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.559 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. 0.01 min

Lab File: VX012655.D

Acq: 25 Sep 2019 12:45

Tgt Ion:	180	Resp:	51798
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.1	141.3
145	36.6	18.0	54.0

