

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012119\
 Data File : VX007151.D
 Acq On : 21 Jan 2019 11:50
 Operator : JC/SP
 Sample : VX0121WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0121WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 10:56:04 AM

Quant Time: Jan 22 00:30:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	488453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	699618	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	646215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	360280	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	242169	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
35) Dibromofluoromethane	5.50	113	218898	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
50) Toluene-d8	8.71	98	806720	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
62) 4-Bromofluorobenzene	11.13	95	304826	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	80120	19.974	ug/l	98
3) Chloromethane	1.32	50	85293	18.266	ug/l	96
4) Vinyl Chloride	1.41	62	90861	18.089	ug/l	98
5) Bromomethane	1.64	94	95545	17.804	ug/l	92
6) Chloroethane	1.72	64	60315	17.197	ug/l	93
7) Trichlorofluoromethane	1.93	101	154665	19.057	ug/l	100
8) Diethyl Ether	2.19	74	57954	17.949	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	92853	19.109	ug/l	98
10) Methyl Iodide	2.51	142	112639	17.185	ug/l	99
11) Tert butyl alcohol	3.06	59	101076	83.938	ug/l	100
12) 1,1-Dichloroethene	2.37	96	82888	18.464	ug/l	96
13) Acrolein	2.29	56	52288	102.523	ug/l	98
14) Allyl chloride	2.73	41	138851	18.047	ug/l	98
15) Acrylonitrile	3.14	53	244690	88.516	ug/l	99
16) Acetone	2.44	43	221546	87.789	ug/l	99
17) Carbon Disulfide	2.57	76	178119	15.411	ug/l	99
18) Methyl Acetate	2.78	43	134992	18.471	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	283891	18.220	ug/l	96
20) Methylene Chloride	2.85	84	94533	19.348	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	89584	17.907	ug/l	99
22) Diisopropyl ether	3.86	45	268826	18.586	ug/l	95
23) Vinyl Acetate	3.82	43	1107678	90.809	ug/l	99
24) 1,1-Dichloroethane	3.70	63	158621	19.612	ug/l	98
25) 2-Butanone	4.69	43	321420	89.013	ug/l	98
26) 2,2-Dichloropropane	4.58	77	116806	18.781	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	100005	18.123	ug/l	97
28) Bromochloromethane	5.01	49	71245	20.106	ug/l	98
29) Tetrahydrofuran	5.14	42	199108	84.847	ug/l	97
30) Chloroform	5.21	83	160863	18.997	ug/l	95
31) Cyclohexane	5.57	56	130854	18.178	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	135291	18.849	ug/l	98
36) 1,1-Dichloropropene	5.79	75	117616	19.336	ug/l	99
37) Ethyl Acetate	4.84	43	117811	18.066	ug/l	100
38) Carbon Tetrachloride	5.78	117	117511	19.202	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012119\
 Data File : VX007151.D
 Acq On : 21 Jan 2019 11:50
 Operator : JC/SP
 Sample : VX0121WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0121WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 10:56:04 AM

Quant Time: Jan 22 00:30:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	144912	18.688	ug/l	96
40) Benzene	6.14	78	358804	19.332	ug/l	97
41) Methacrylonitrile	5.05	41	69316	18.451	ug/l	97
42) 1,2-Dichloroethane	6.20	62	123951	19.326	ug/l	100
43) Isopropyl Acetate	6.45	43	188008	18.278	ug/l	98
44) Trichloroethene	7.21	130	104849	18.852	ug/l	93
45) 1,2-Dichloropropane	7.51	63	89269	19.132	ug/l	96
46) Dibromomethane	7.66	93	63591	19.392	ug/l	97
47) Bromodichloromethane	7.90	83	110067	19.719	ug/l	100
48) Methyl methacrylate	7.77	41	99089	18.759	ug/l	96
49) 1,4-Dioxane	7.74	88	45104	368.478	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	645160	97.596	ug/l	99
52) Toluene	8.78	92	229604	19.247	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	119343	19.281	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	132756	19.422	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	99147	20.765	ug/l	99
56) Ethyl methacrylate	9.18	69	134829	19.343	ug/l	92
57) 1,3-Dichloropropane	9.37	76	155421	19.869	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	357422	99.729	ug/l	99
59) 2-Hexanone	9.49	43	493715	98.006	ug/l	99
60) Dibromochloromethane	9.58	129	94499	20.382	ug/l	98
61) 1,2-Dibromoethane	9.67	107	102632	19.525	ug/l	98
64) Tetrachloroethene	9.34	164	111790	19.981	ug/l	94
65) Chlorobenzene	10.13	112	274826	19.499	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	95636	20.171	ug/l	98
67) Ethyl Benzene	10.25	91	448913	19.293	ug/l	99
68) m/p-Xylenes	10.35	106	360721	39.349	ug/l	100
69) o-Xylene	10.69	106	179077	20.030	ug/l	99
70) Styrene	10.71	104	286103	20.206	ug/l	99
71) Bromoform	10.85	173	68448	19.338	ug/l #	98
73) Isopropylbenzene	11.02	105	474012	18.658	ug/l	99
74) N-amyl acetate	10.90	43	174271	17.038	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	142199	17.631	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	134526m	18.426	ug/l	
77) Bromobenzene	11.26	156	129960	18.566	ug/l	97
78) n-propylbenzene	11.36	91	536665	19.243	ug/l	100
79) 2-Chlorotoluene	11.42	91	320504	19.091	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	397548	18.728	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	34076	16.802	ug/l	89
82) 4-Chlorotoluene	11.51	91	370773	19.075	ug/l	99
83) tert-Butylbenzene	11.77	119	389483	18.390	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	407253	19.078	ug/l	100
85) sec-Butylbenzene	11.94	105	489210	19.341	ug/l	100
86) p-Isopropyltoluene	12.06	119	439978	19.447	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	235830	18.639	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	242855	20.345	ug/l	100
89) n-Butylbenzene	12.39	91	370514	19.211	ug/l	99
90) Hexachloroethane	12.60	117	62419	19.185	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	237328	19.008	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	28221	17.692	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012119\
Data File : VX007151.D
Acq On : 21 Jan 2019 11:50
Operator : JC/SP
Sample : VX0121WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBS01

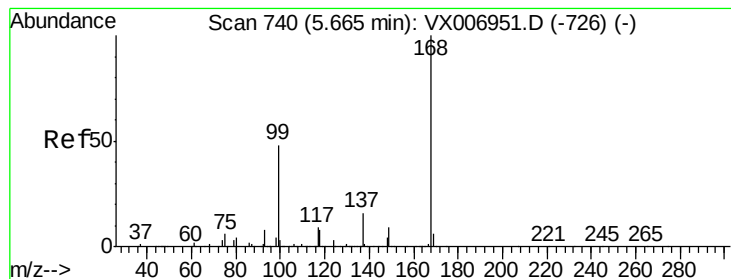
Manual Integrations
APPROVED

MMDadoda
1/22/2019 10:56:04 AM

Quant Time: Jan 22 00:30:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	164734	19.230	ug/l	99
94) Hexachlorobutadiene	13.78	225	79129	20.816	ug/l	99
95) Naphthalene	13.83	128	474597	18.283	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	163502	19.214	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0121WBS01

Tot Ion:168 Resp: 488453

Ion Ratio Lower Upper

168 100

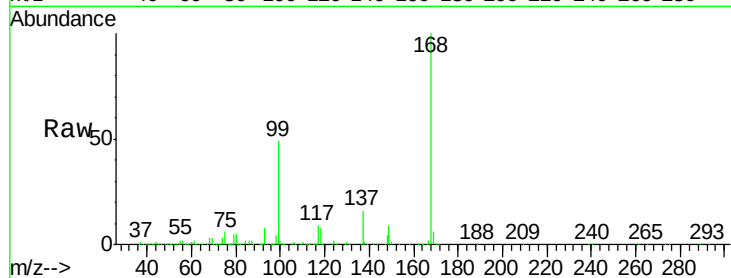
99 49.2 41.8 62.8

Manual Integrations

APPROVED

MMDadoda

1/22/2019 10:56:04 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

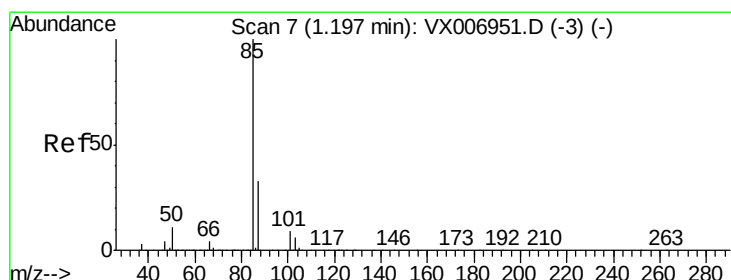
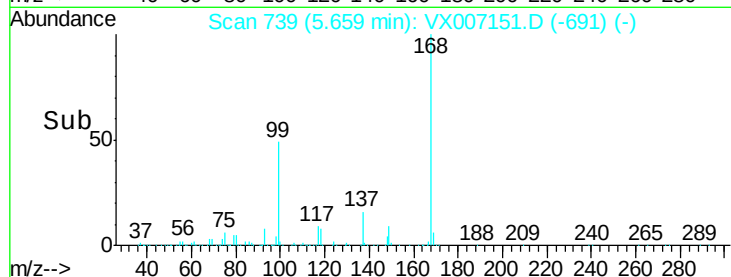
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.974 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007151.D

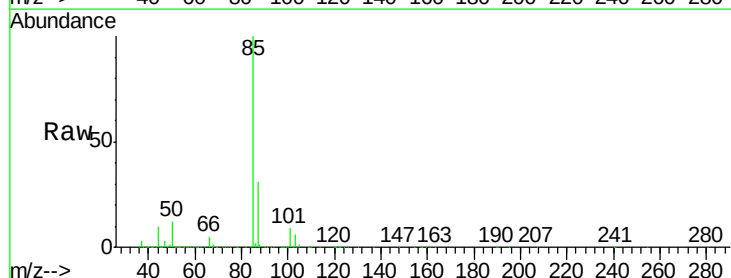
Acq: 21 Jan 2019 11:50

Tgt Ion: 85 Resp: 80120

Ion Ratio Lower Upper

85 100

87 30.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

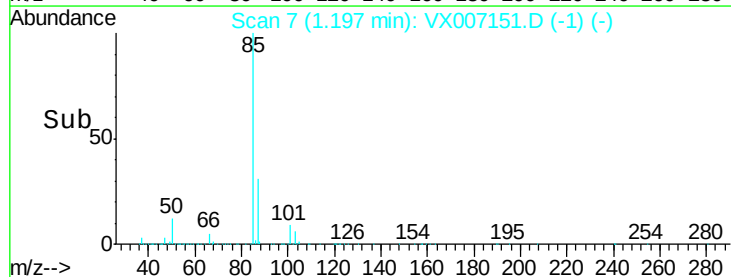
60000

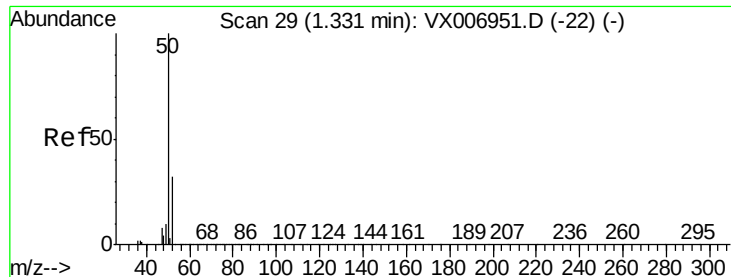
40000

20000

0

Time-->





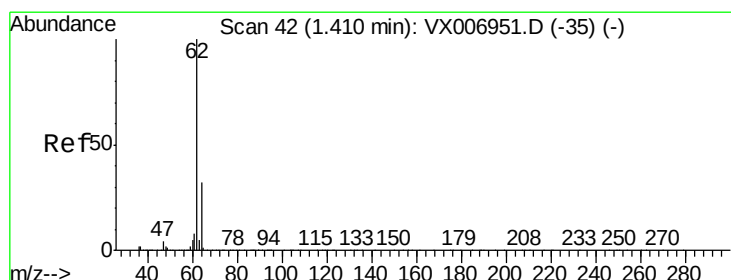
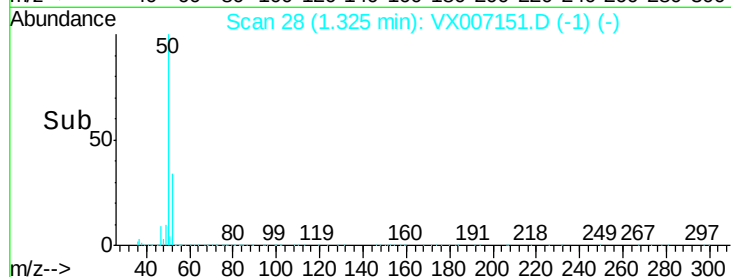
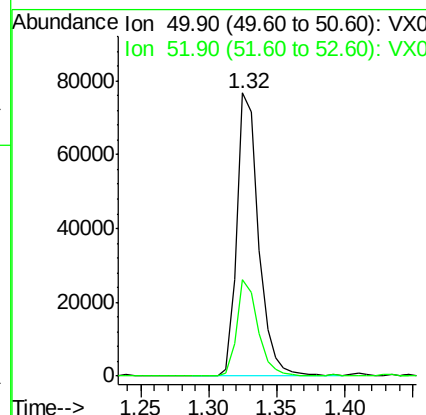
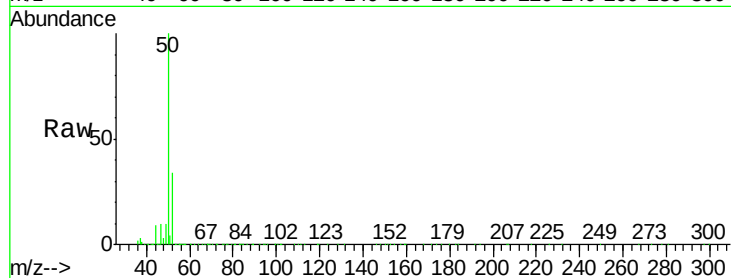
#3
Chloromethane
Concen: 18.266 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.01 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBS01

Tot Ion	Ratio	Lower	Upper
50	100		
52	34.1	25.4	38.2

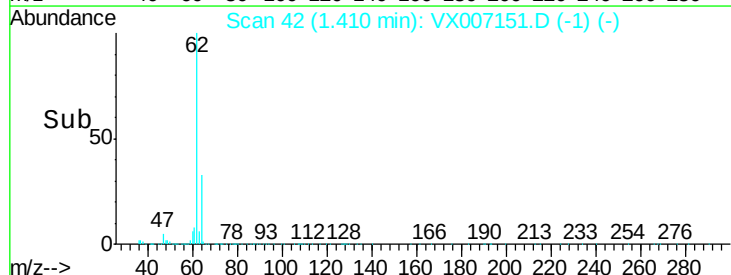
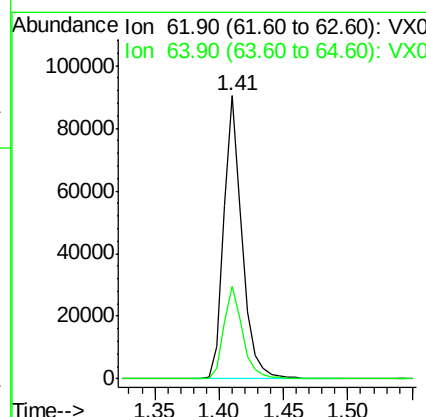
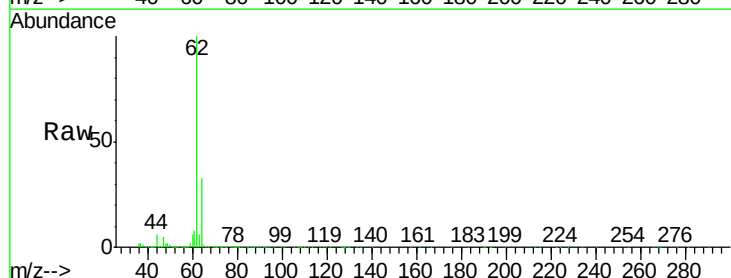
Manual Integrations
APPROVED

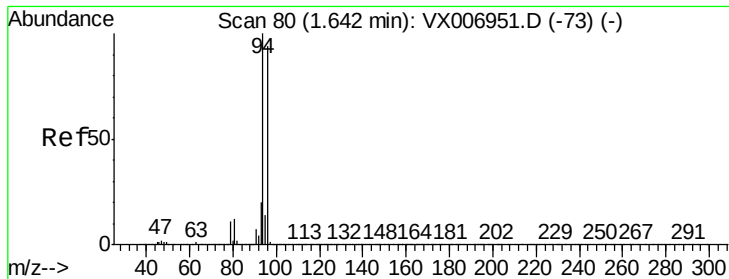
MMDadoda
1/22/2019 10:56:04 AM



#4
Vinyl Chloride
Concen: 18.089 ug/l
RT: 1.41 min Scan# 42
Delta R.T. 0.00 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.7	25.1	37.7





#5

Bromomethane

Concen: 17.804 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0121WBS01

Tot Ion: 94 Resp: 95545

Ion Ratio Lower Upper

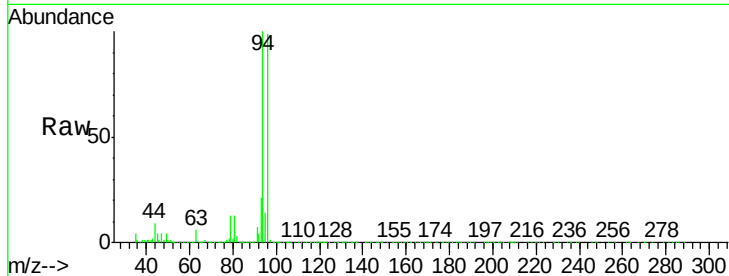
94 100

96 99.6 73.4 110.2

Manual Integrations
APPROVED

MMDadoda

1/22/2019 10:56:04 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

100000

80000

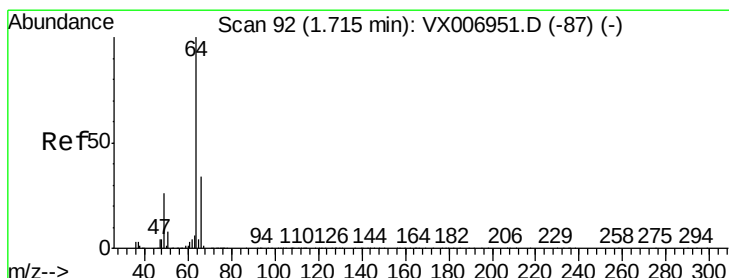
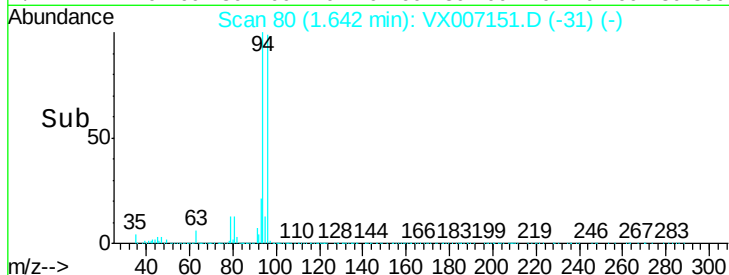
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 17.197 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX007151.D

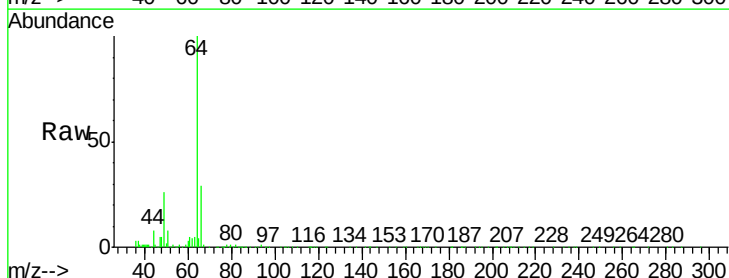
Acq: 21 Jan 2019 11:50

Tgt Ion: 64 Resp: 60315

Ion Ratio Lower Upper

64 100

66 29.2 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

50000

40000

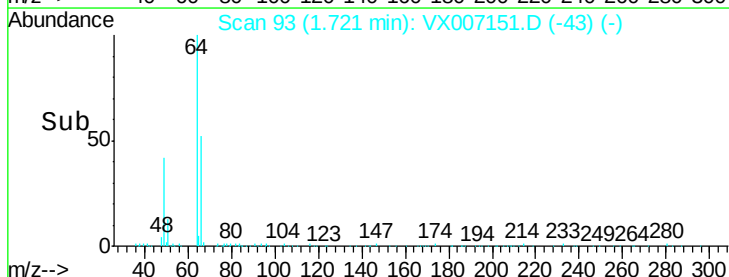
30000

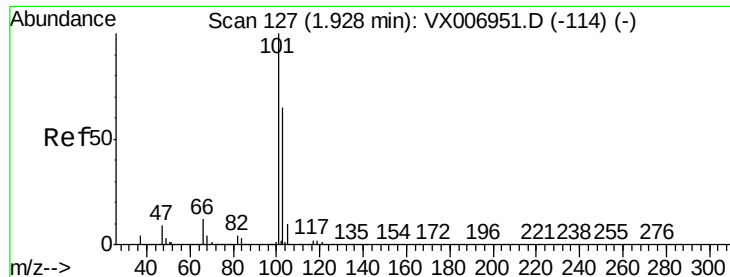
20000

10000

0

Time--> 1.70 1.80





#7

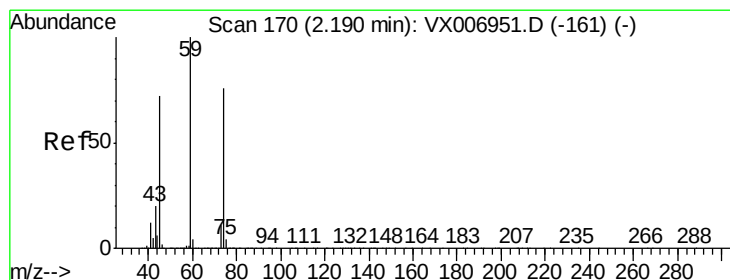
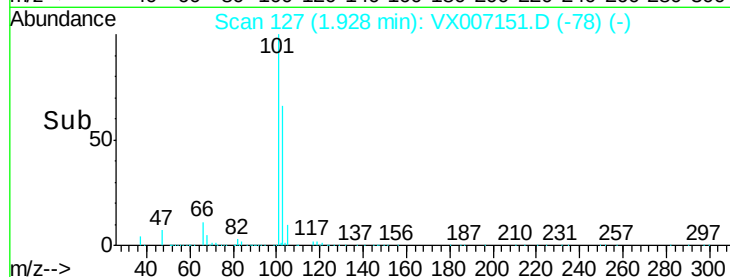
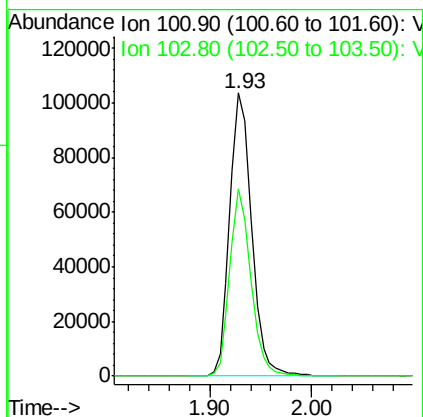
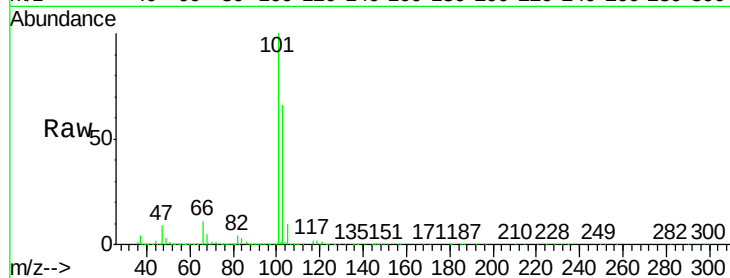
Trichlorofluoromethane
Concen: 19.057 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	53.2	79.8

Manual Integrations
APPROVED

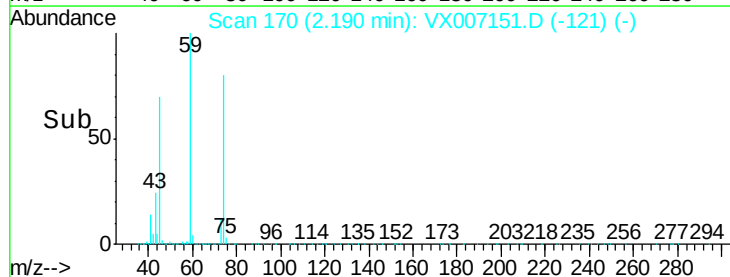
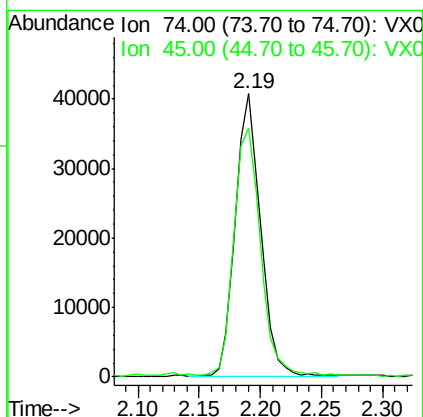
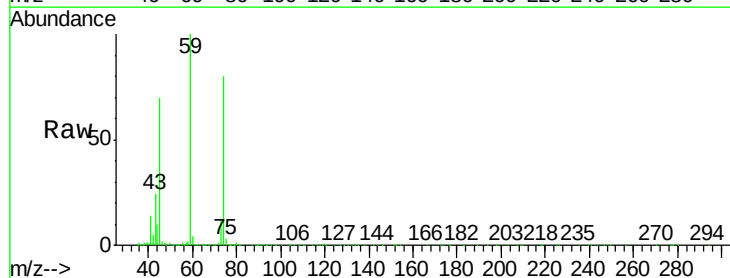
MMDadoda
1/22/2019 10:56:04 AM

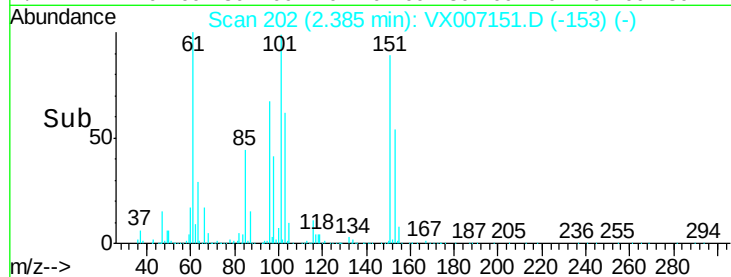
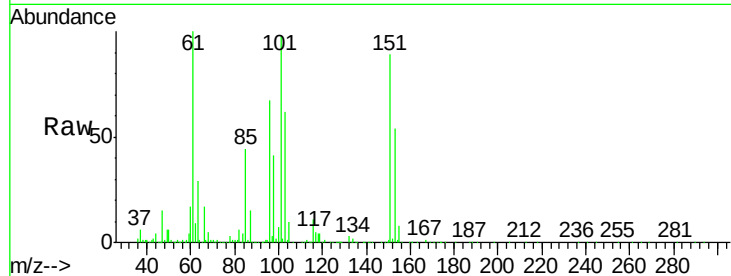
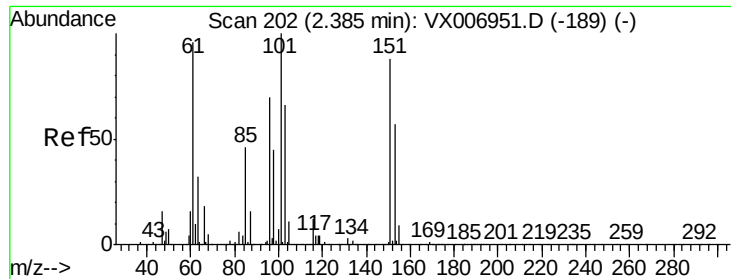


#8

Diethyl Ether
Concen: 17.949 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.4	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.109 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007151.D

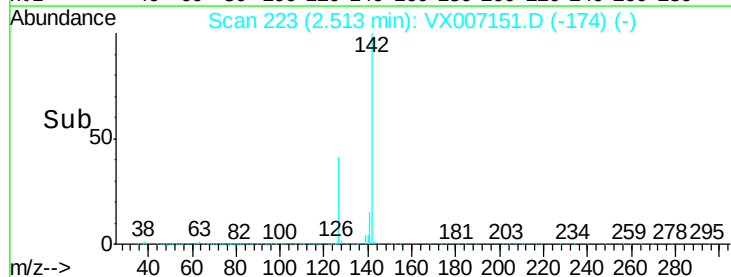
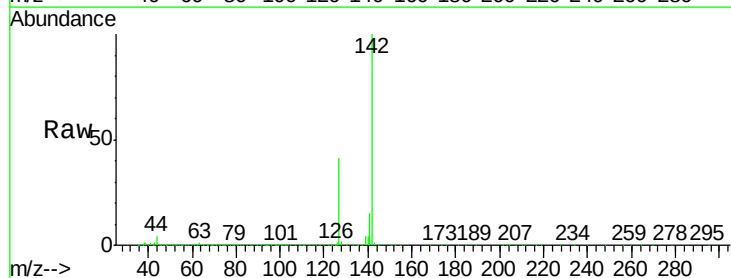
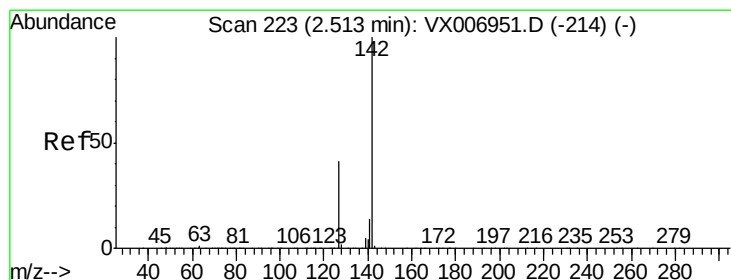
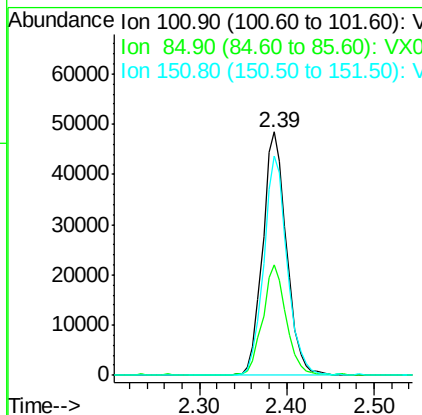
Acq: 21 Jan 2019 11:50

Tot Ion:	101	Resp:	92853
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.1	52.7
151	88.0	68.9	103.3

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBS01

Manual Integrations
APPROVED

MMDadoda
1/22/2019 10:56:04 AM



#10

Methyl Iodide

Concen: 17.185 ug/l

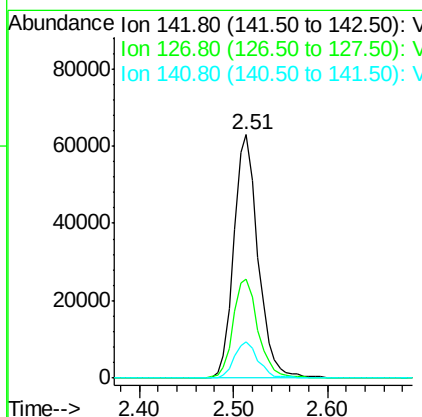
RT: 2.51 min Scan# 223

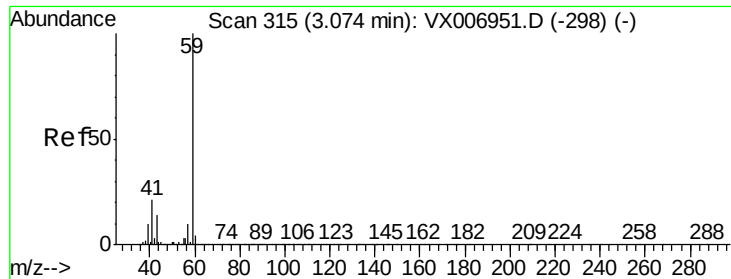
Delta R.T. 0.00 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Tgt Ion:	142	Resp:	112639
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.9	50.9
141	14.9	11.4	17.0





#11

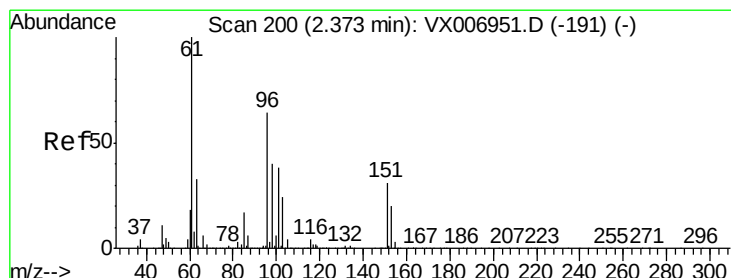
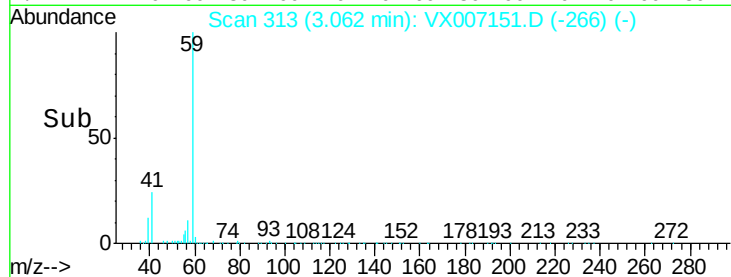
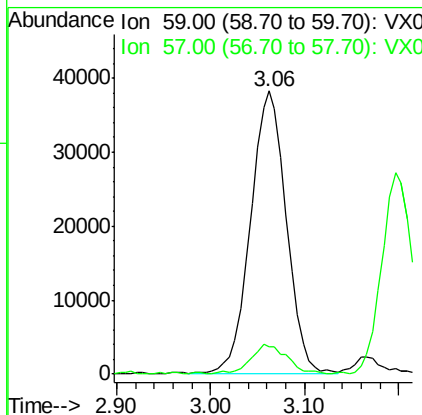
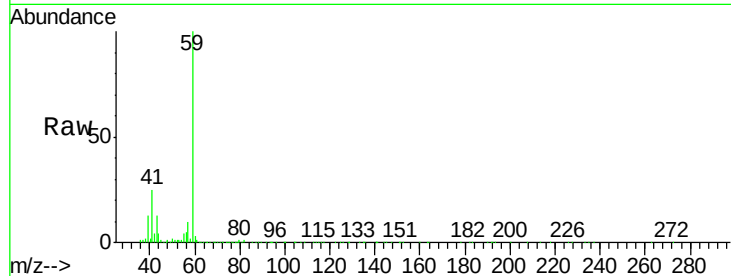
Tert butyl alcohol
Concen: 83.938 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Instrument :
MSVOA_X
ClientSampled :
VX0121WBS01

Tot Ion	Ion	Ratio	Lower	Upper
59	100			
57	10.7	8.5	12.7	

Manual Integrations
APPROVED

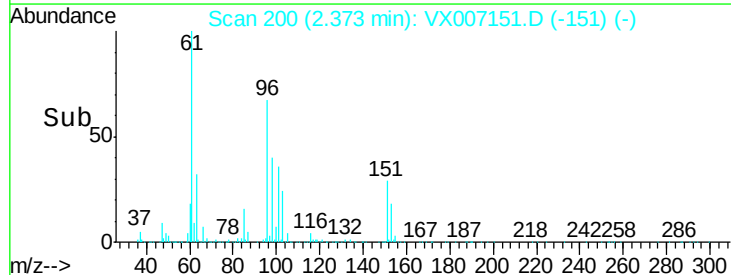
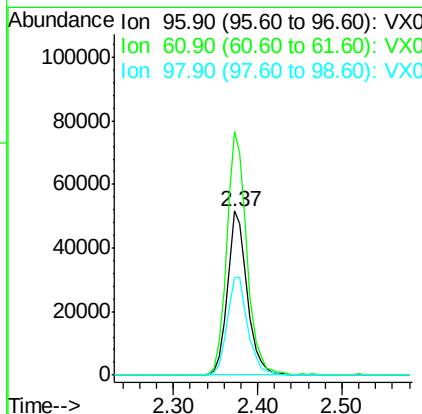
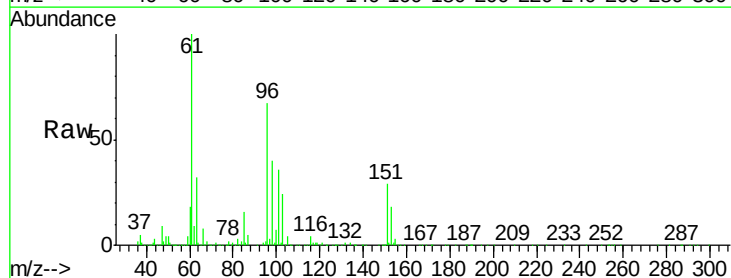
MMDadoda
1/22/2019 10:56:04 AM

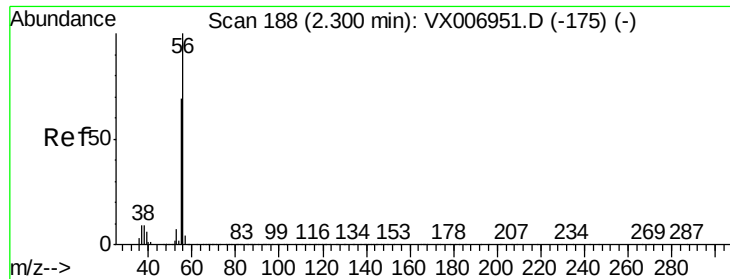


#12

1,1-Dichloroethene
Concen: 18.464 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Tgt Ion	Ion	Ratio	Lower	Upper
96	100			
61	148.5	121.4	182.2	
98	59.9	51.9	77.9	





#13

Acrolein

Concen: 102.523 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0121WBS01

Tot Ion: 56 Resp: 52288

Ion Ratio Lower Upper

56 100

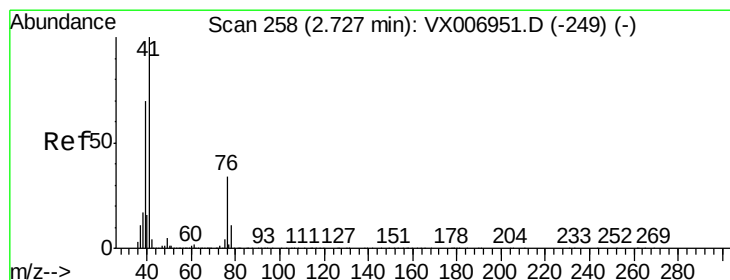
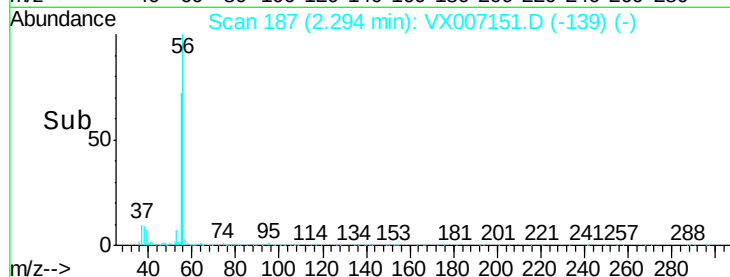
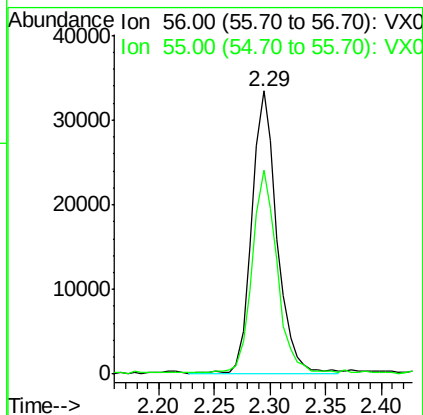
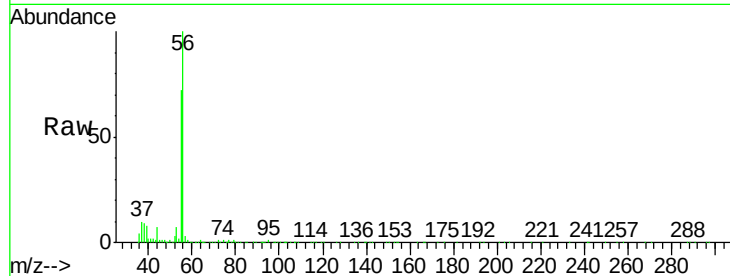
55 71.0 58.2 87.4

Manual Integrations

APPROVED

MMDadoda

1/22/2019 10:56:04 AM



#14

Allyl chloride

Concen: 18.047 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

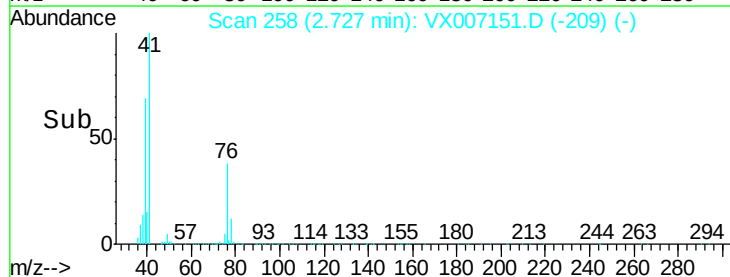
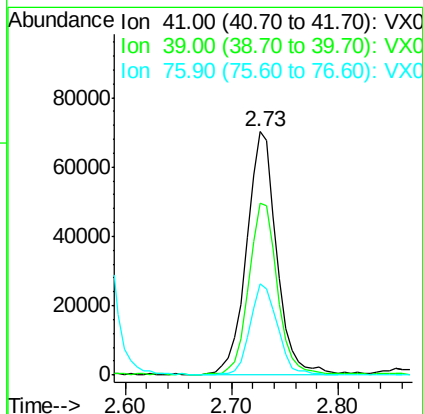
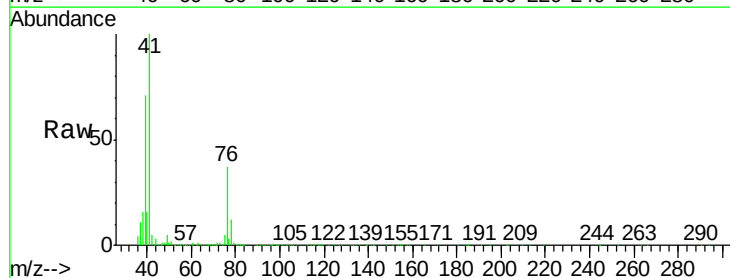
Tgt Ion: 41 Resp: 138851

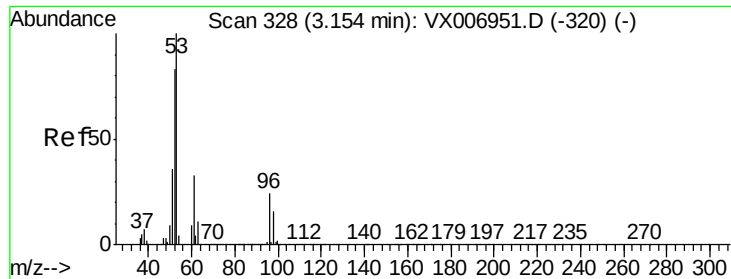
Ion Ratio Lower Upper

41 100

39 68.6 53.6 80.4

76 33.5 27.4 41.2





#15

Acrylonitrile

Concen: 88.516 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Instrument :

MSVOA_X

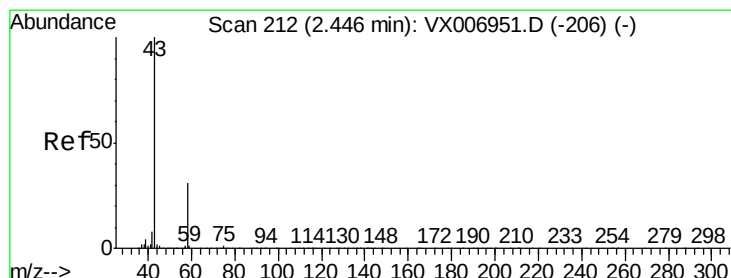
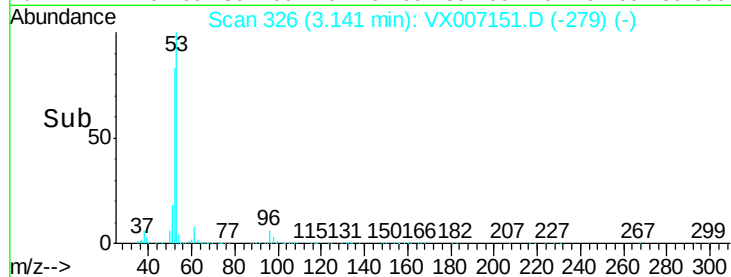
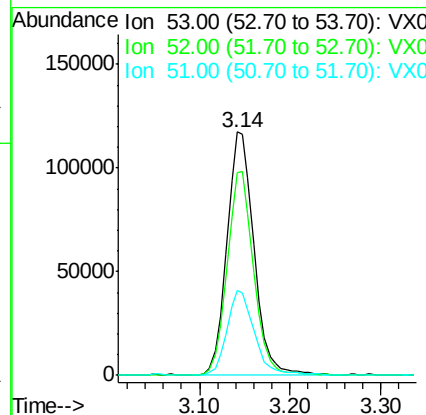
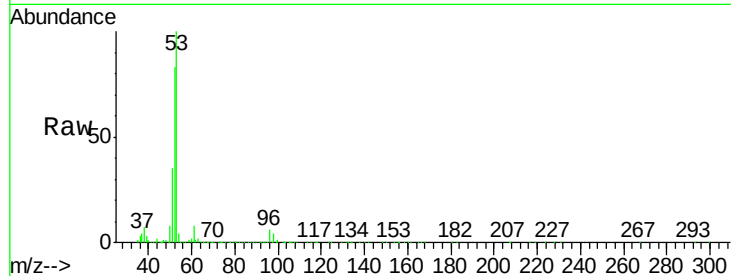
ClientSampled :

VX0121WBS01

Tot Ion:	53	Resp:	244690
Ion Ratio		Lower	Upper
53	100		
52	82.1	66.0	99.0
51	35.3	28.6	42.8

Manual Integrations
APPROVED

MMDadoda
1/22/2019 10:56:04 AM



#16

Acetone

Concen: 87.789 ug/l

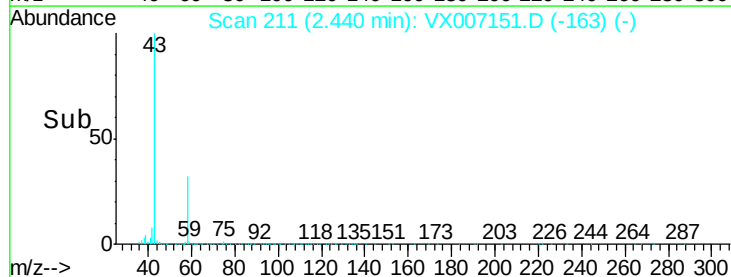
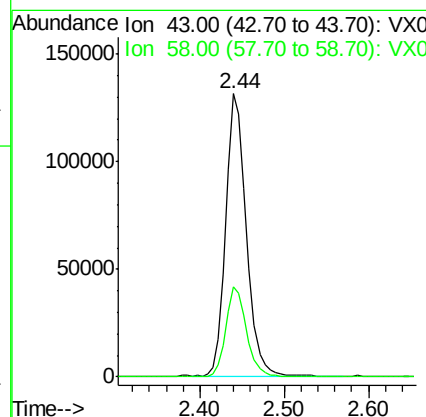
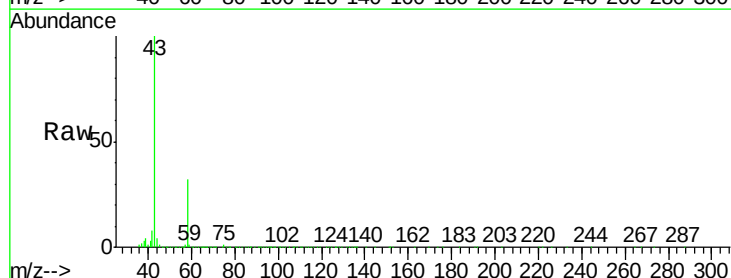
RT: 2.44 min Scan# 211

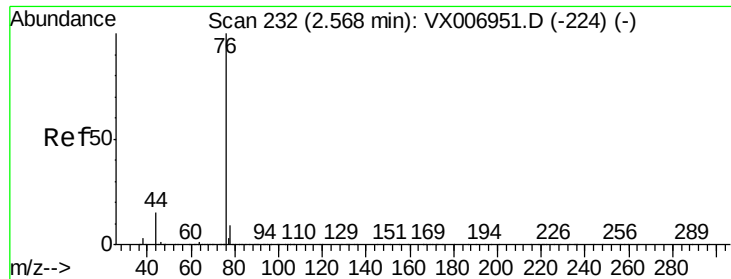
Delta R.T. -0.01 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Tgt Ion:	43	Resp:	221546
Ion Ratio		Lower	Upper
43	100		
58	32.0	25.0	37.6





#17

Carbon Disulfide

Concen: 15.411 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0121WBS01

Tot Ion: 76 Resp: 178119

Ion Ratio Lower Upper

76 100

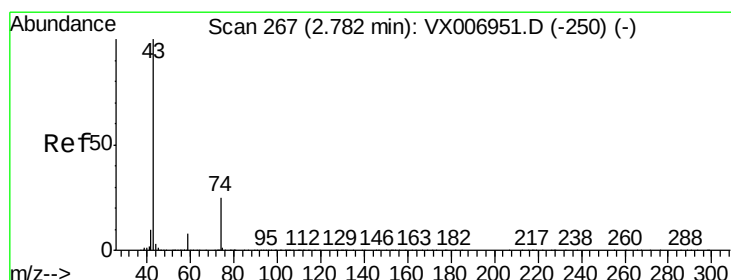
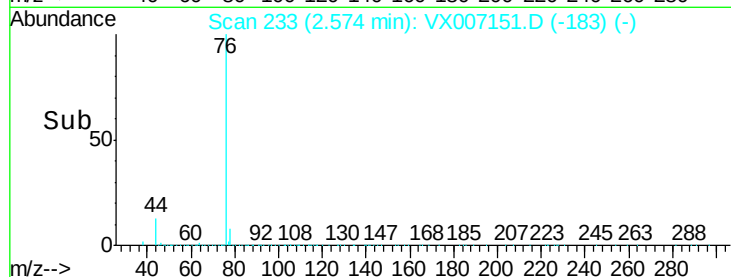
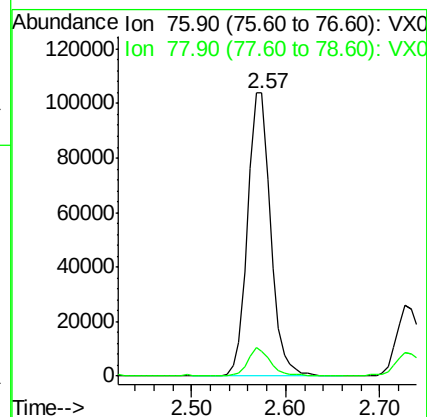
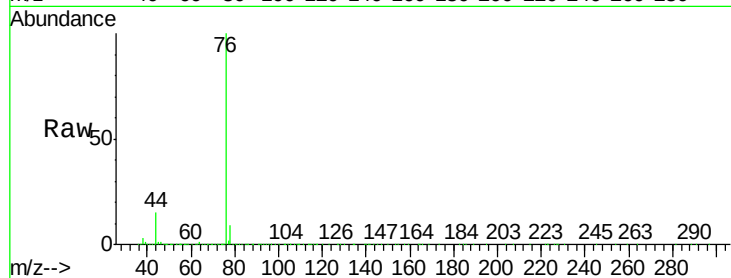
78 8.5 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

1/22/2019 10:56:04 AM



#18

Methyl Acetate

Concen: 18.471 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX007151.D

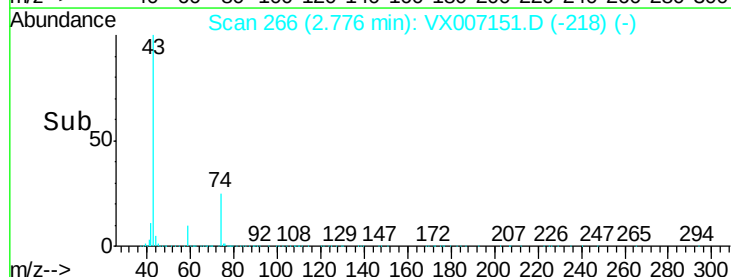
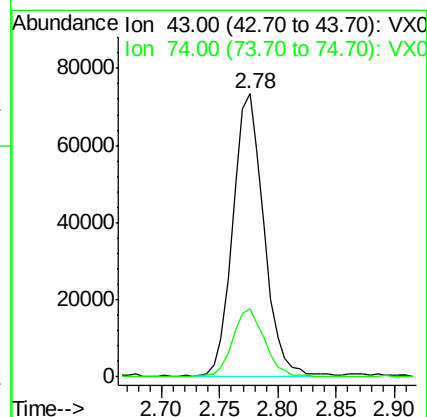
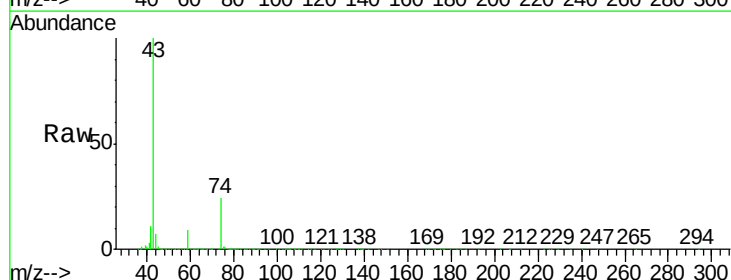
Acq: 21 Jan 2019 11:50

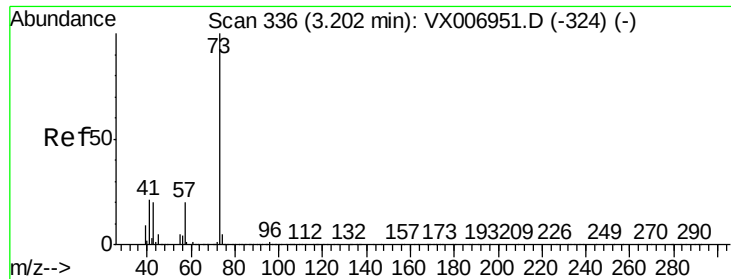
Tgt Ion: 43 Resp: 134992

Ion Ratio Lower Upper

43 100

74 24.8 18.6 28.0





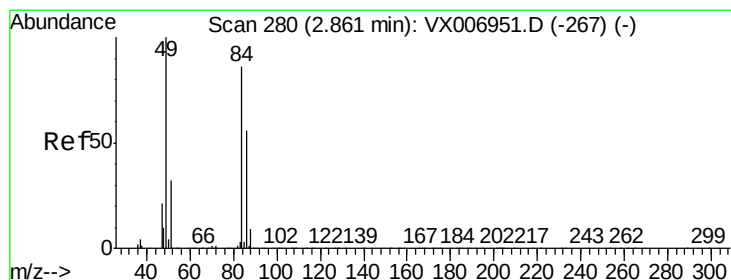
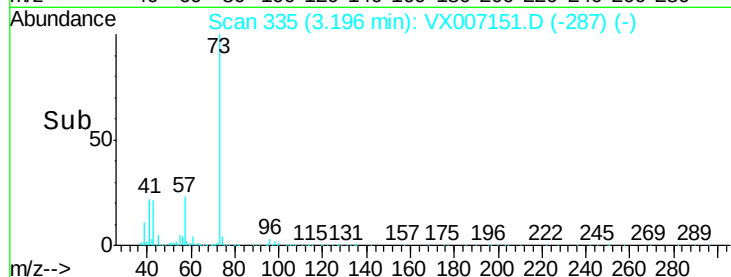
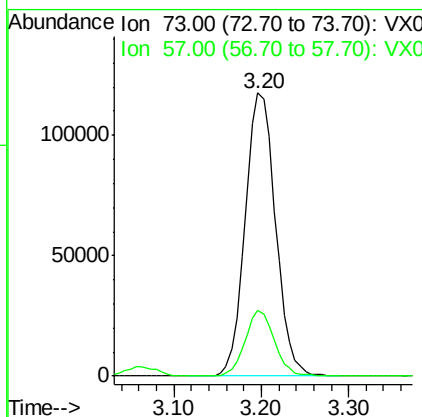
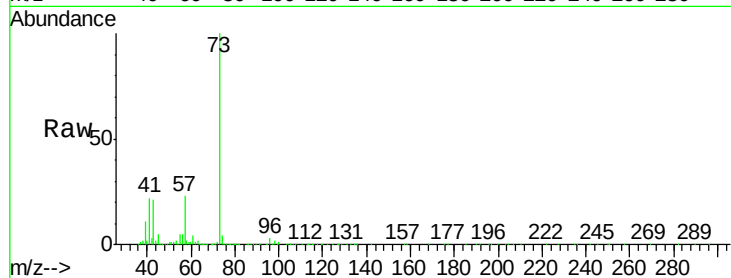
#19
Methyl tert-butyl Ether
Concen: 18.220 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.01 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Instrument :
MSVOA_X
ClientSampled :
VX0121WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	16.8	25.2

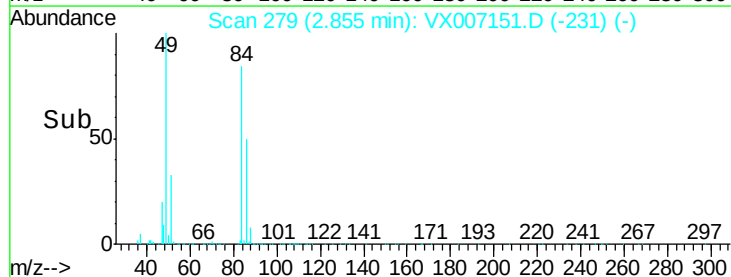
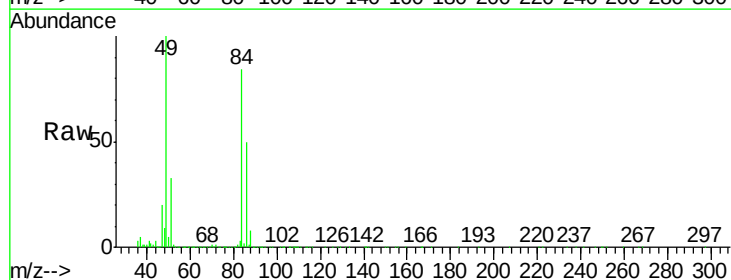
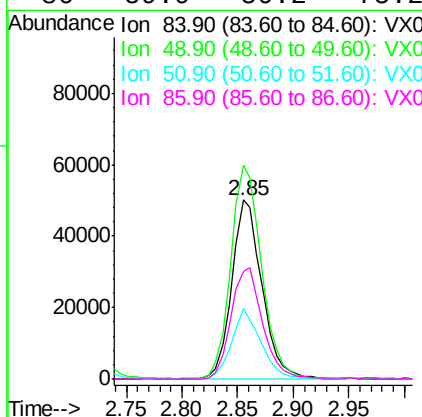
Manual Integrations
APPROVED

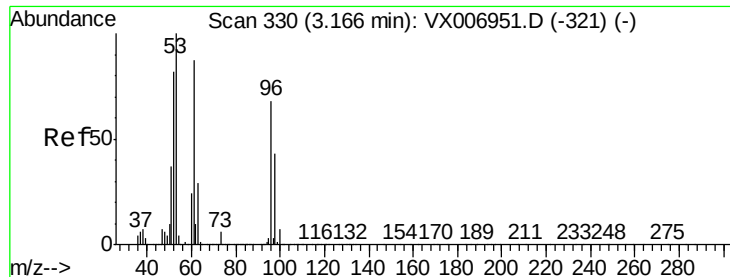
MMDadoda
1/22/2019 10:56:04 AM



#20
Methylene Chloride
Concen: 19.348 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.2	91.8	137.6
51	39.2	28.5	42.7
86	59.9	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 17.907 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Instrument :

MSVOA_X

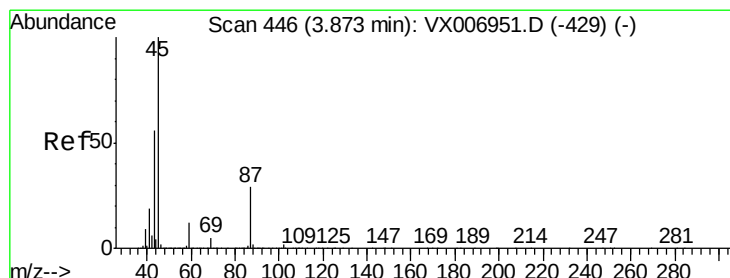
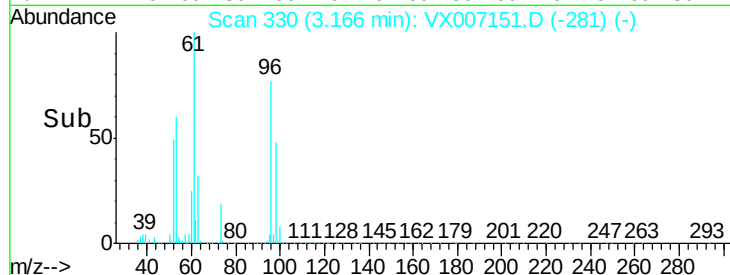
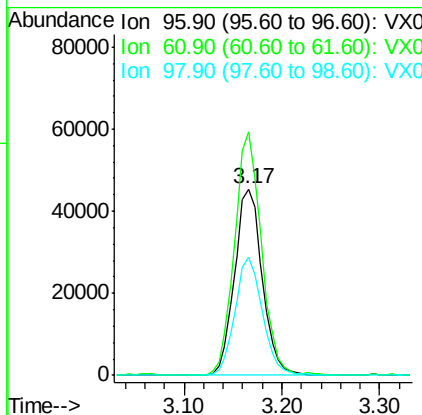
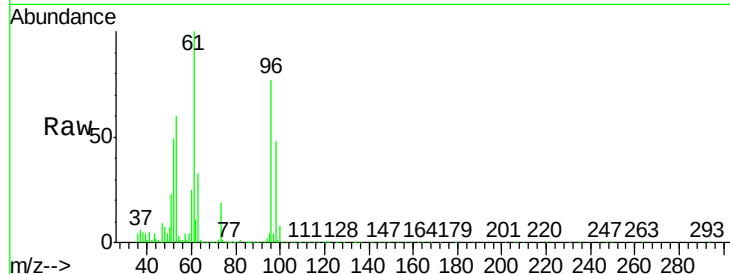
ClientSampleId :

VX0121WBS01

Tot Ion:	96	Resp:	89584
Ion	Ratio	Lower	Upper
96	100		
61	130.0	103.7	155.5
98	62.9	51.0	76.6

Manual Integrations
APPROVED

MMDadoda
1/22/2019 10:56:04 AM



#22

Diisopropyl ether

Concen: 18.586 ug/l

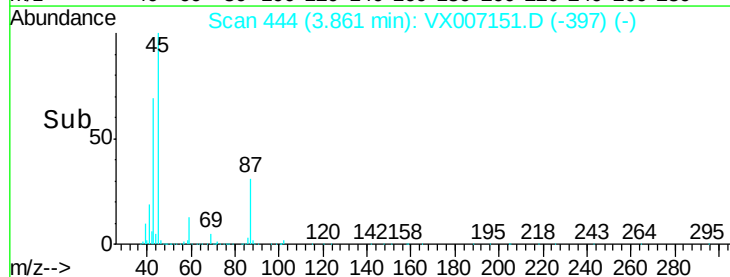
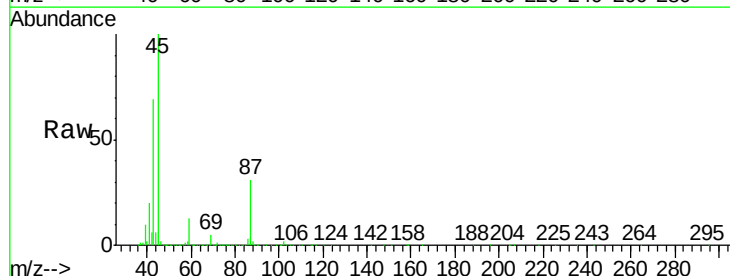
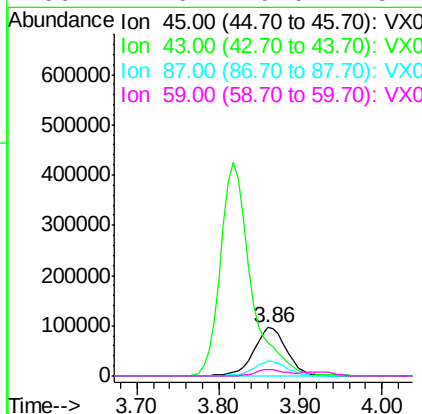
RT: 3.86 min Scan# 444

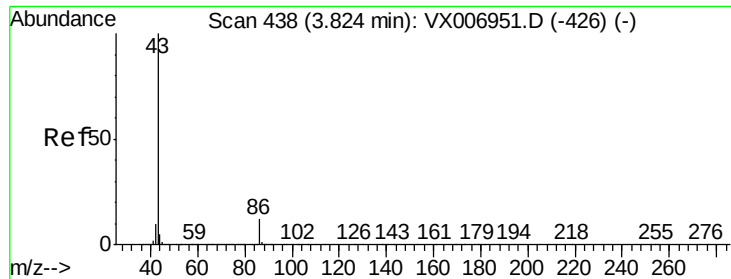
Delta R.T. -0.01 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Tgt Ion:	45	Resp:	268826
Ion	Ratio	Lower	Upper
45	100		
43	68.9	51.2	76.8
87	31.3	25.8	38.6
59	12.6	9.0	13.4





#23

Vinyl Acetate

Concen: 90.809 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0121WBS01

Tot Ion: 43 Resp: 1107678

Ion Ratio Lower Upper

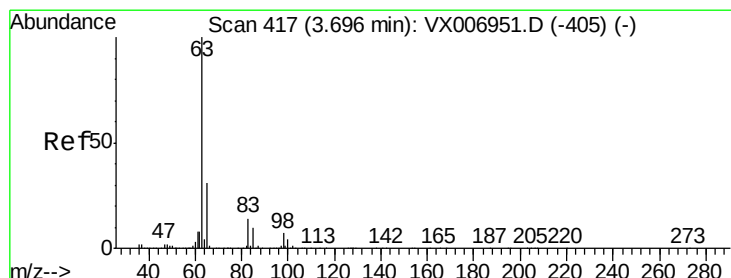
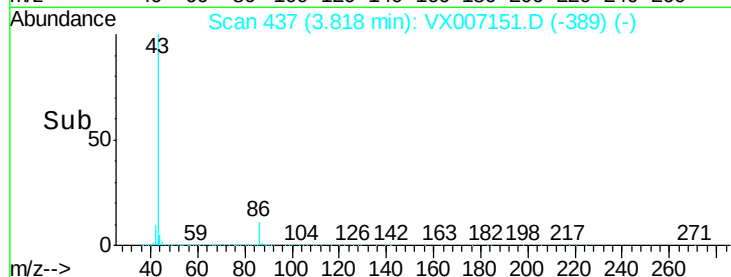
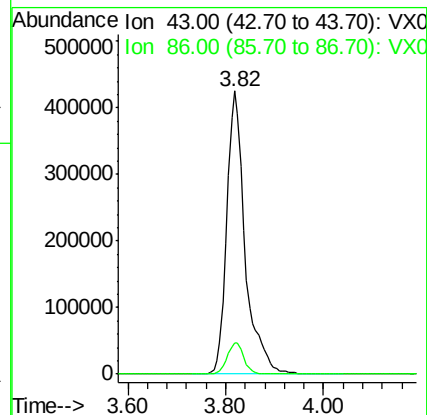
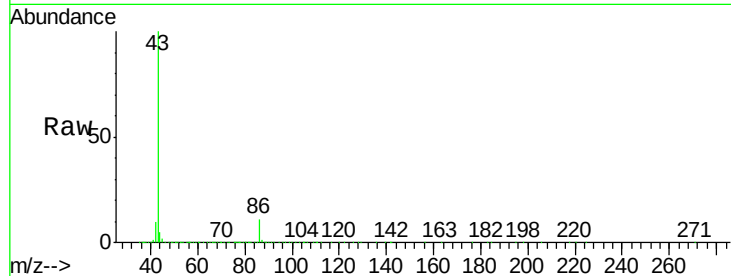
43 100

86 11.1 9.2 13.8

Manual Integrations
APPROVED

MMDadoda

1/22/2019 10:56:04 AM



#24

1,1-Dichloroethane

Concen: 19.612 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

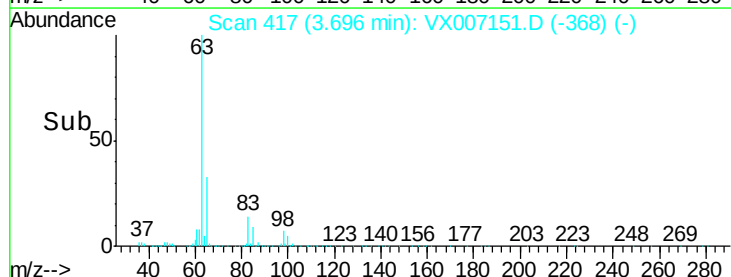
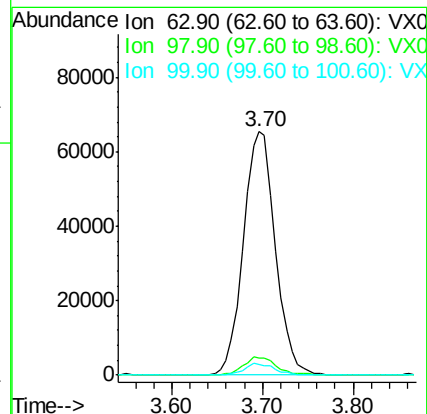
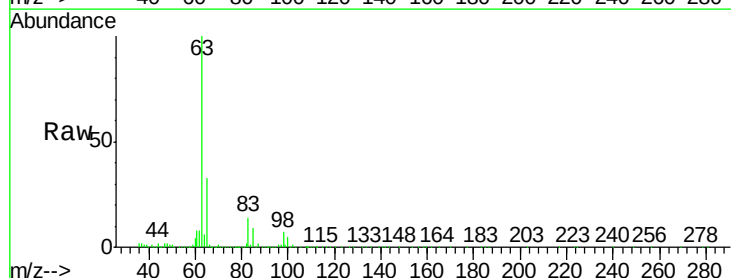
Tgt Ion: 63 Resp: 158621

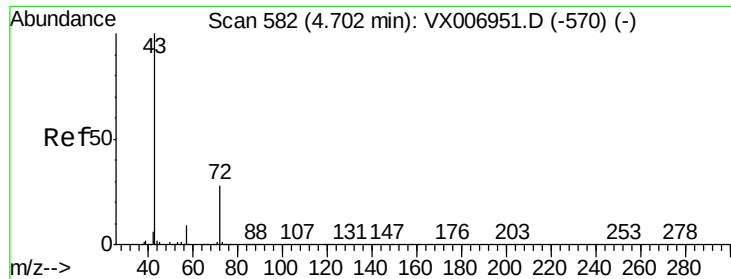
Ion Ratio Lower Upper

63 100

98 6.8 3.9 11.5

100 4.6 2.4 7.2





#25

2-Butanone

Concen: 89.013 ug/l

RT: 4.69 min Scan# 580

Delta R.T. -0.01 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0121WBS01

Tot Ion: 43 Resp: 321420

Ion Ratio Lower Upper

43 100

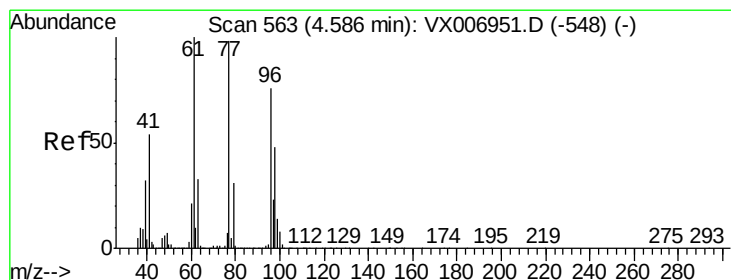
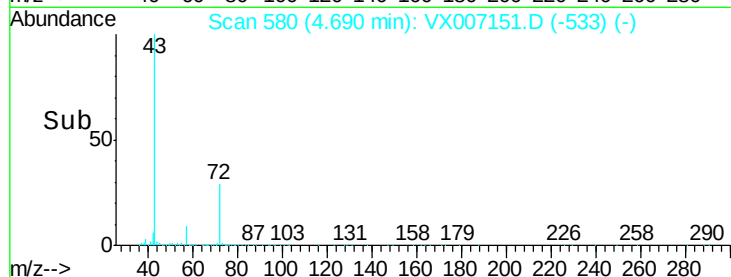
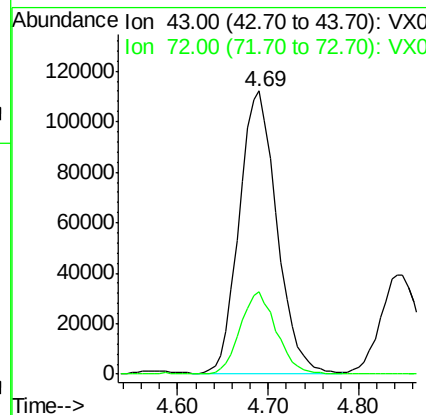
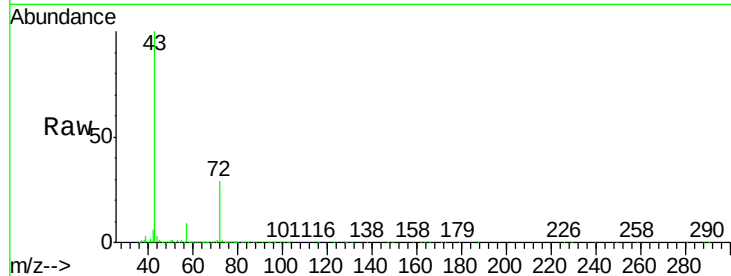
72 29.1 22.4 33.6

Manual Integrations

APPROVED

MMDadoda

1/22/2019 10:56:04 AM



#26

2,2-Dichloropropane

Concen: 18.781 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX007151.D

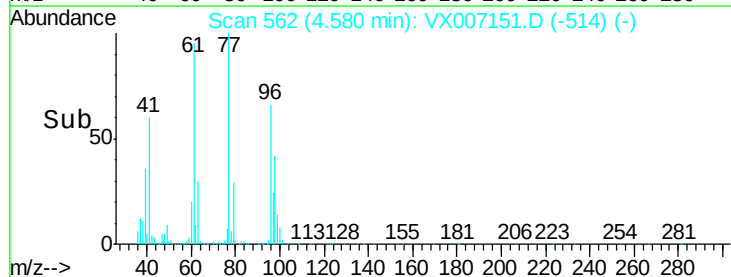
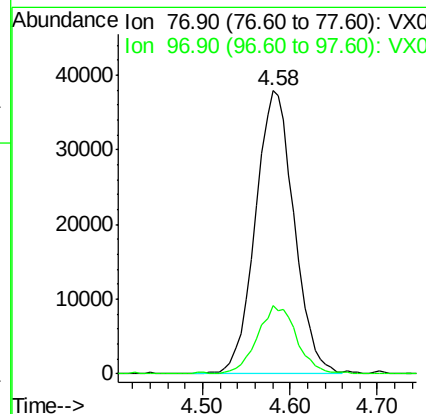
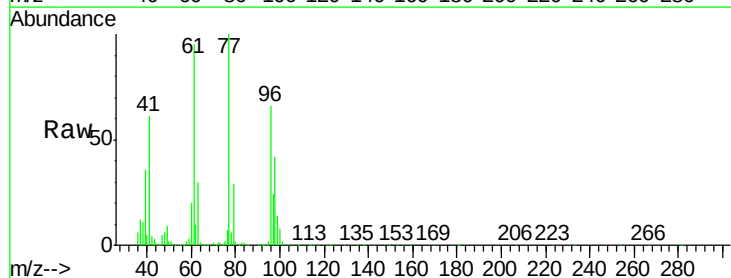
Acq: 21 Jan 2019 11:50

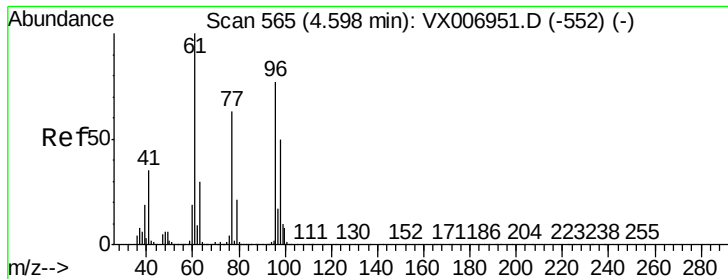
Tgt Ion: 77 Resp: 116806

Ion Ratio Lower Upper

77 100

97 24.6 12.4 37.4





#27

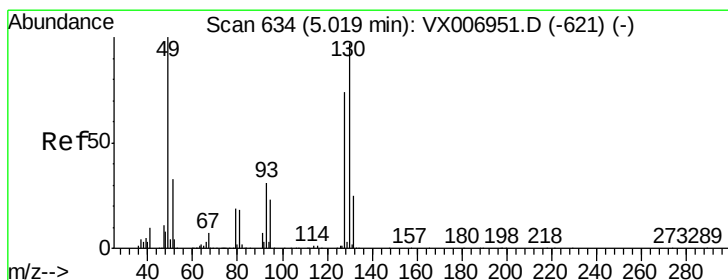
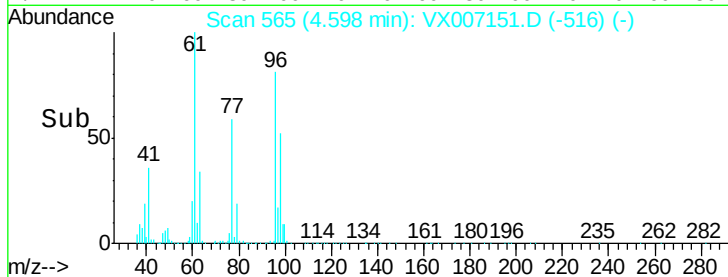
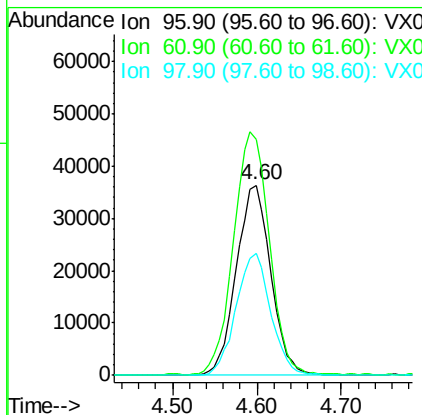
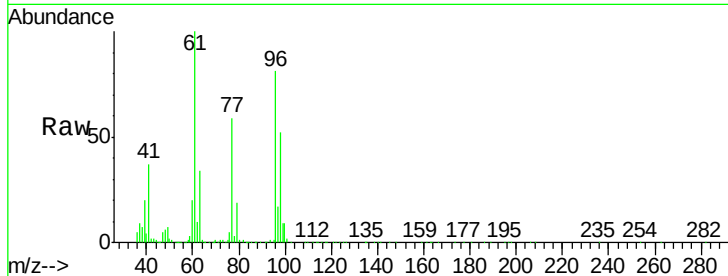
cis-1,2-Dichloroethene
Concen: 18.123 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.3	0.0	258.6
98	64.7	0.0	132.0

Manual Integrations
APPROVED

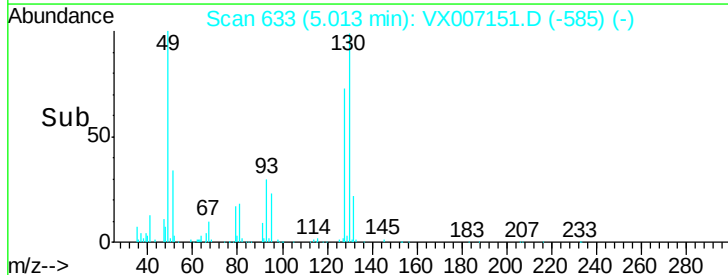
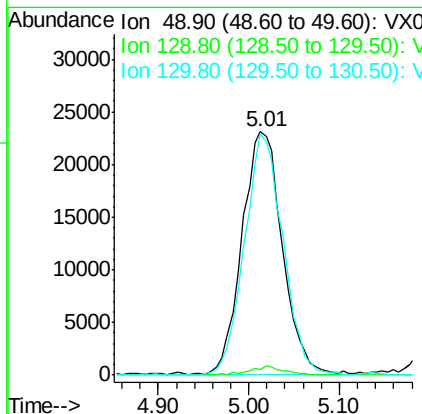
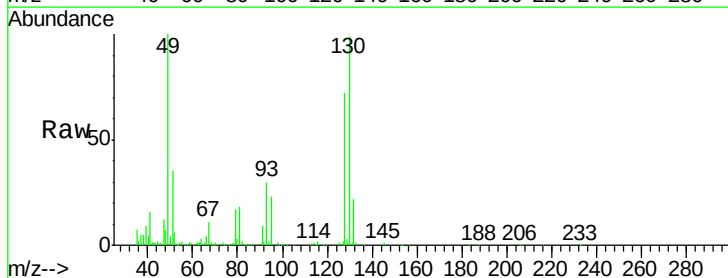
MMDadoda
1/22/2019 10:56:04 AM

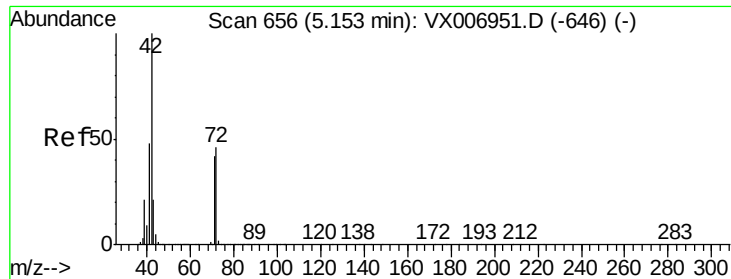


#28

Bromochloromethane
Concen: 20.106 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	5.4
130	94.9	77.7	116.5





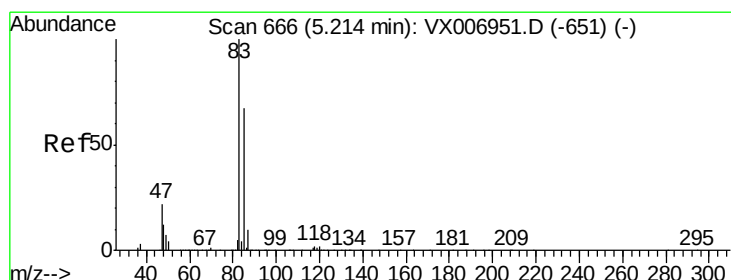
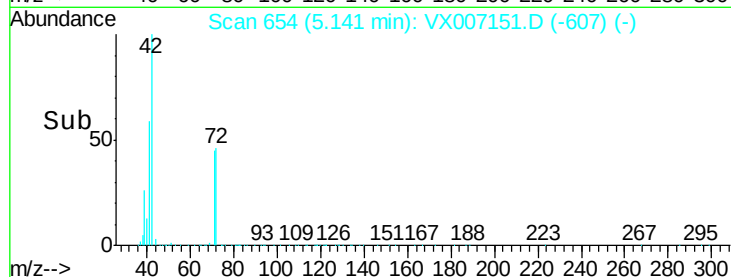
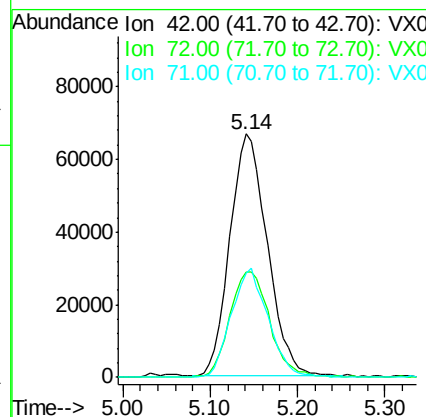
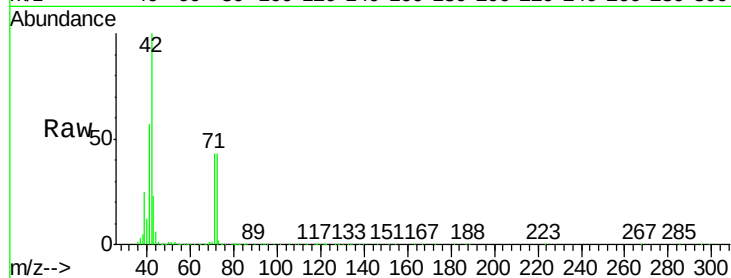
#29
Tetrahydrofuran
Concen: 84.847 ug/l
RT: 5.14 min Scan# 654
Delta R.T. -0.01 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	38.9	58.3
71	44.5	36.2	54.4

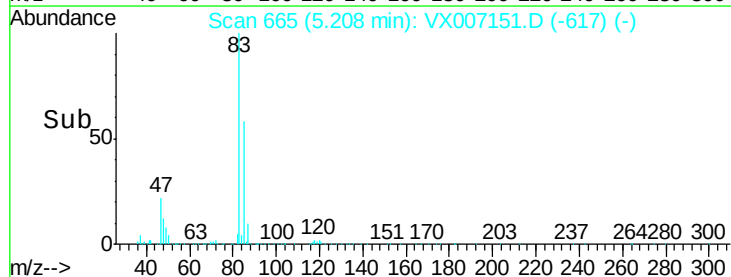
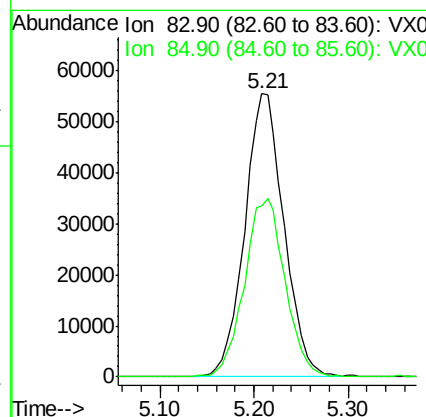
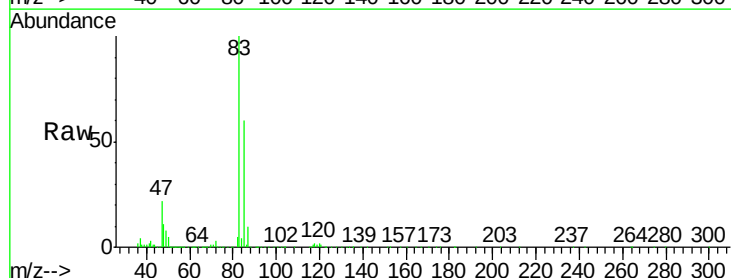
Manual Integrations
APPROVED

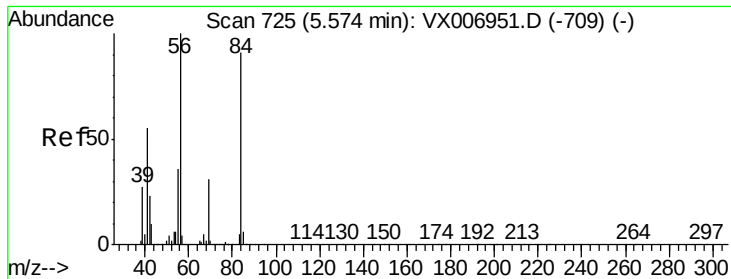
MMDadoda
1/22/2019 10:56:04 AM



#30
Chloroform
Concen: 18.997 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.2	51.2	76.8





#31

Cyclohexane

Concen: 18.178 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Instrument :

MSVOA_X

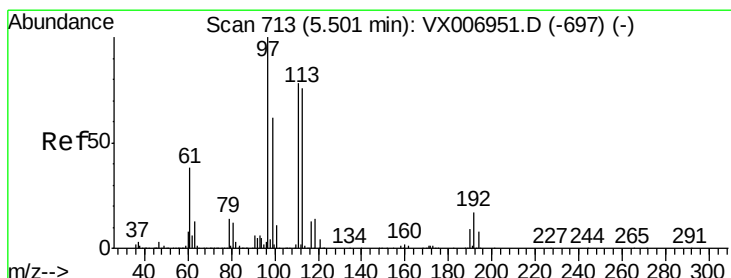
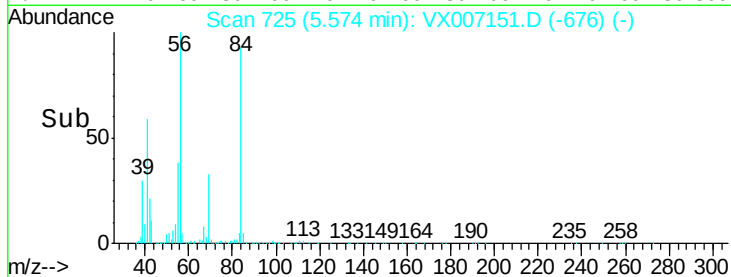
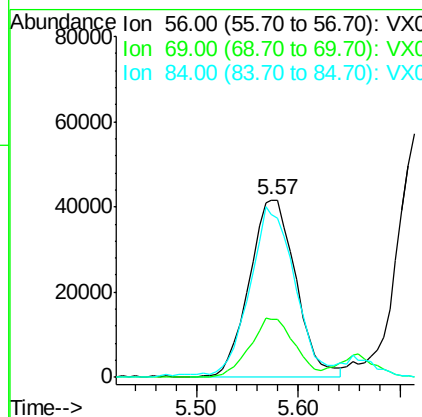
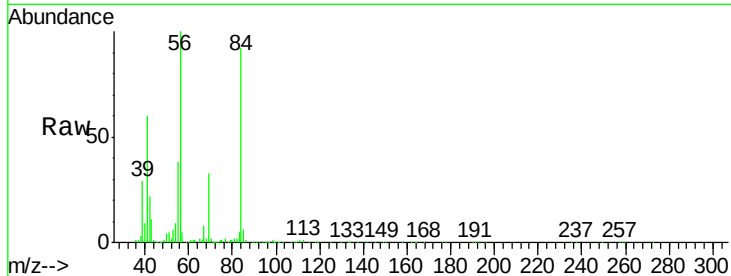
ClientSampleId :

VX0121WBS01

Tot Ion:	56	Resp:	130854
Ion Ratio	Lower	Upper	
56	100		
69	32.9	24.4	36.6
84	91.2	70.0	105.0

Manual Integrations
APPROVED

MMDadoda
1/22/2019 10:56:04 AM



#32

1,1,1-Trichloroethane

Concen: 18.849 ug/l

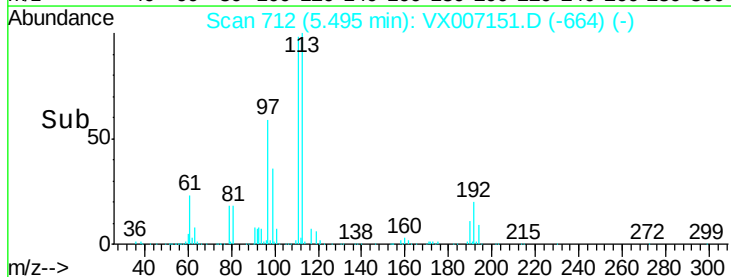
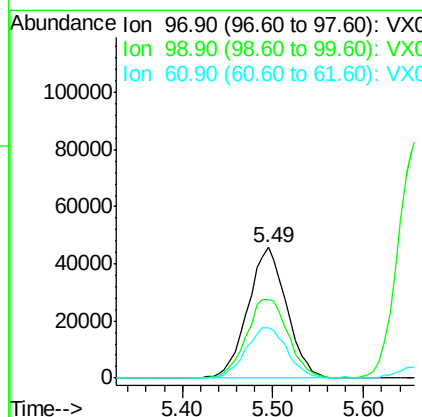
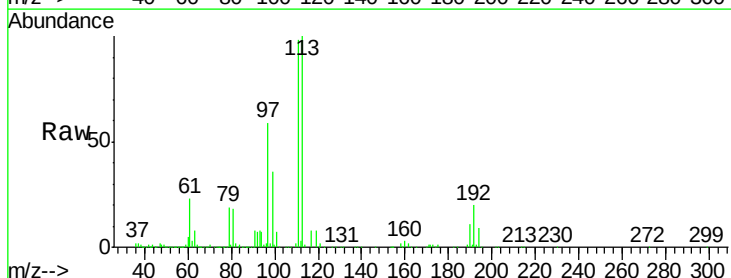
RT: 5.49 min Scan# 712

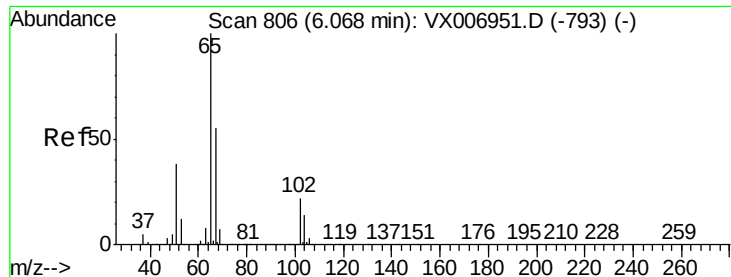
Delta R.T. -0.01 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Tgt Ion:	97	Resp:	135291
Ion Ratio	Lower	Upper	
97	100		
99	65.3	51.7	77.5
61	41.2	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 47.440 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Instrument :

MSVOA_X

ClientSampled :

VX0121WBS01

Tot Ion: 65 Resp: 242169

Ion Ratio Lower Upper

65 100

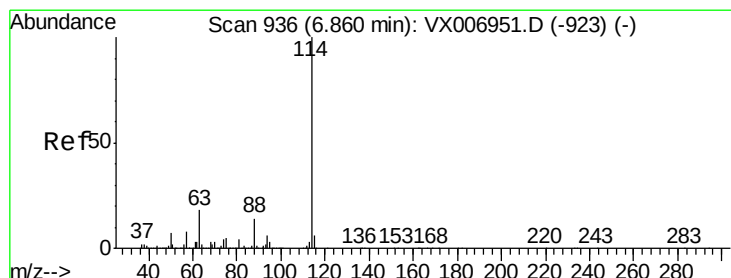
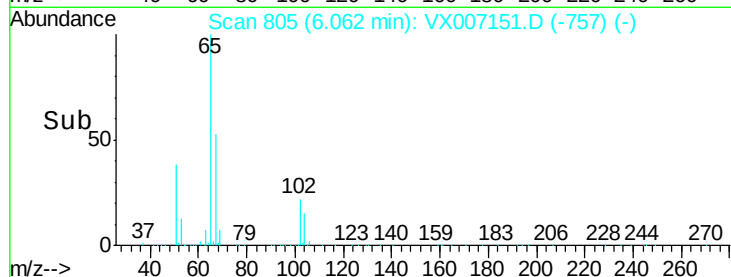
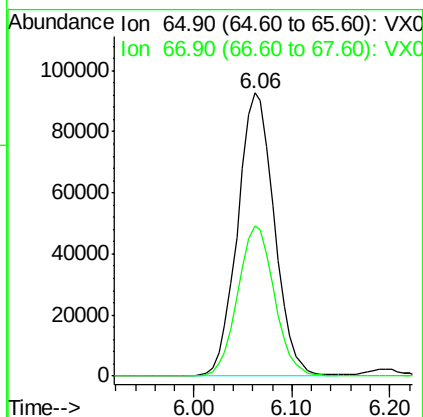
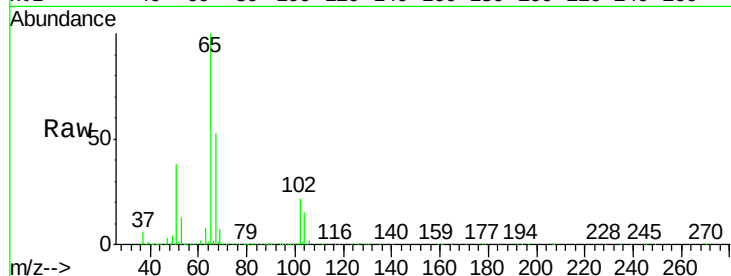
67 53.1 0.0 105.0

Manual Integrations

APPROVED

MMDadoda

1/22/2019 10:56:04 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

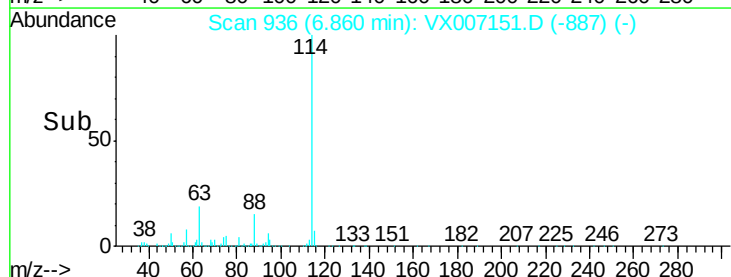
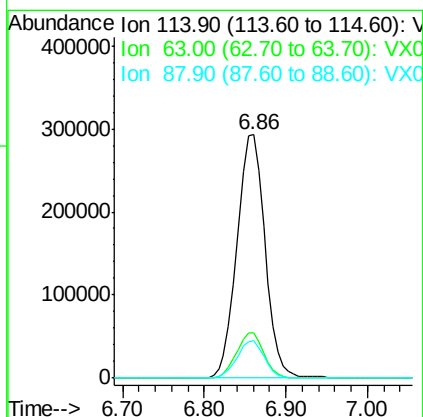
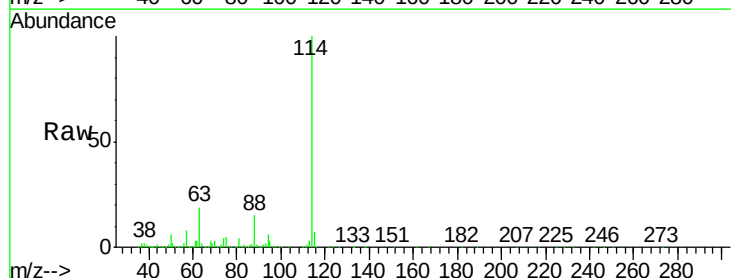
Tgt Ion: 114 Resp: 699618

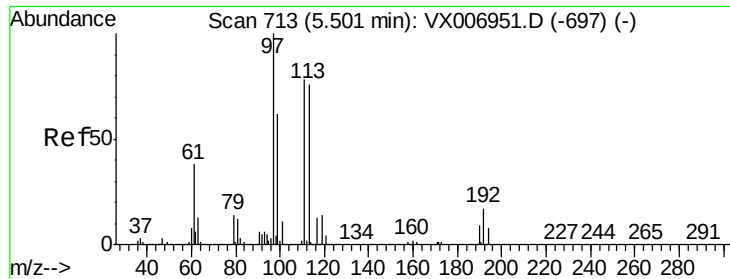
Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.8

88 15.4 0.0 28.8





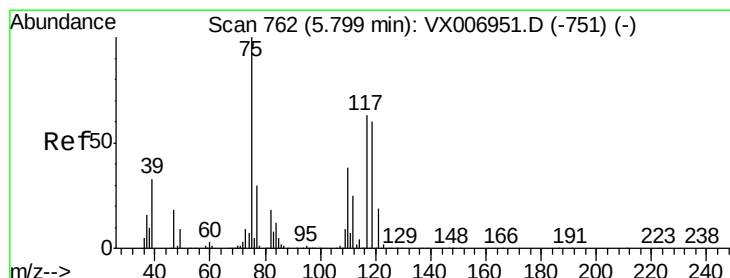
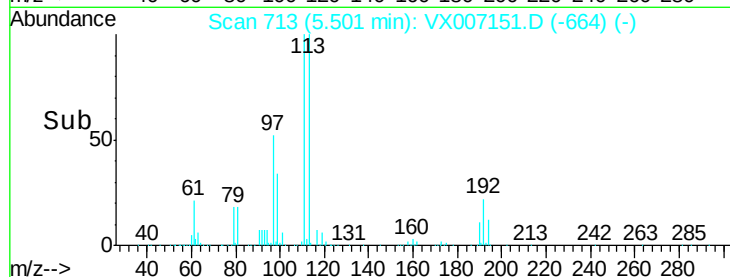
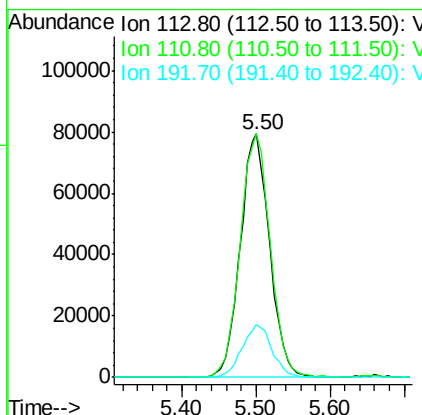
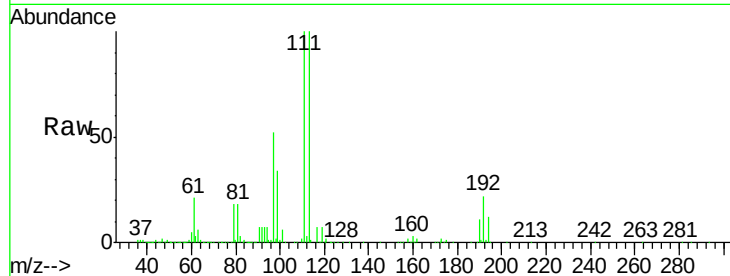
#35
 Dibromofluoromethane
 Concen: 48.858 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX007151.D
 Acq: 21 Jan 2019 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0121WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	218898		
111	102.8	81.6	122.4	
192	22.1	16.7	25.1	

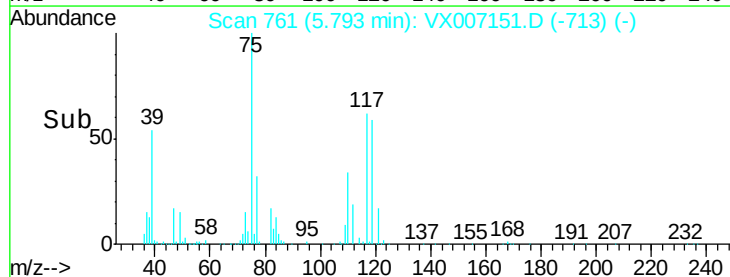
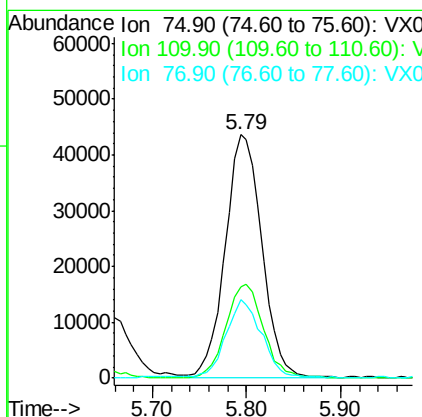
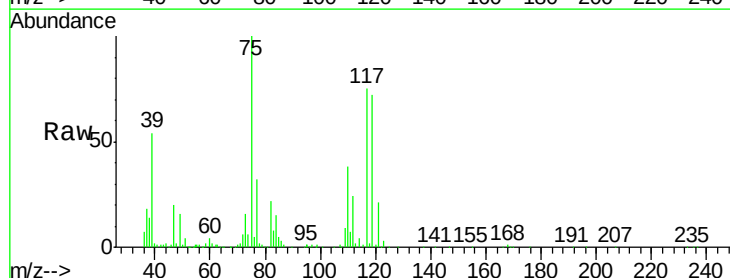
Manual Integrations
 APPROVED

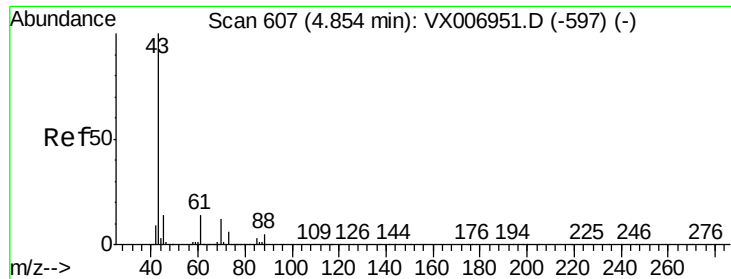
MMDadoda
 1/22/2019 10:56:04 AM



#36
 1,1-Dichloropropene
 Concen: 19.336 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX007151.D
 Acq: 21 Jan 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	117616		
110	39.8	20.2	60.5	
77	32.2	24.8	37.2	





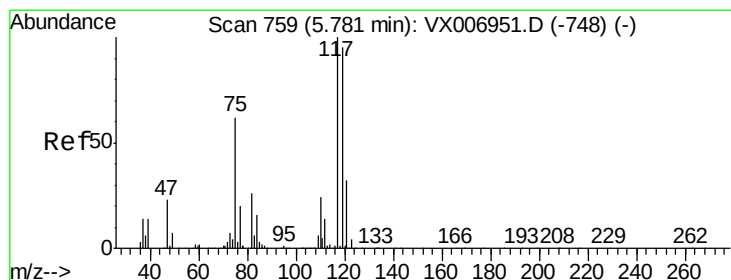
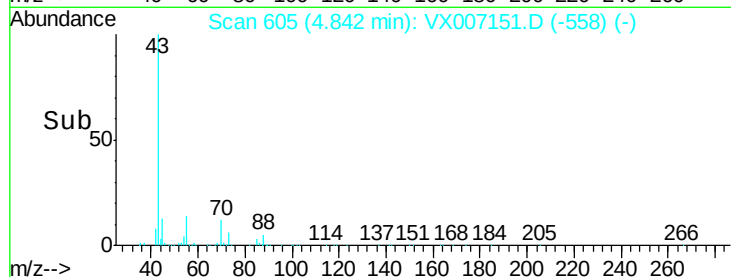
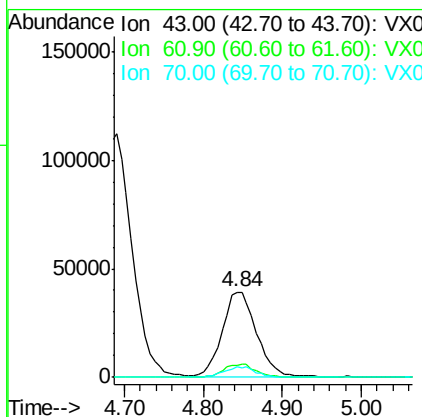
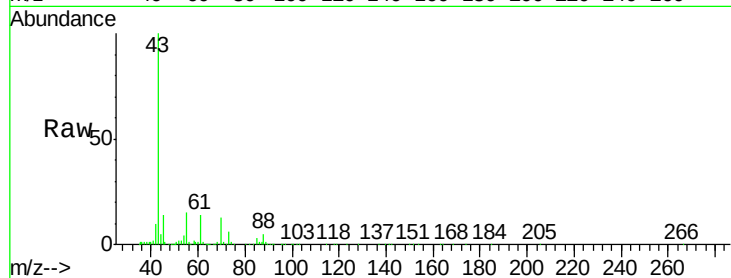
#37
Ethyl Acetate
Concen: 18.066 ug/l
RT: 4.84 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBS01

Tot Ion	43	Resp	117811
Ion Ratio	Lower	Upper	
43	100		
61	14.6	11.9	17.9
70	12.2	9.7	14.5

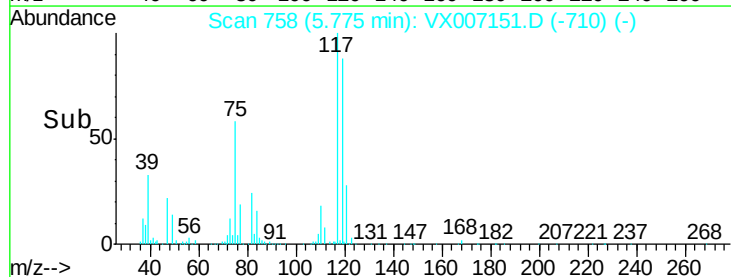
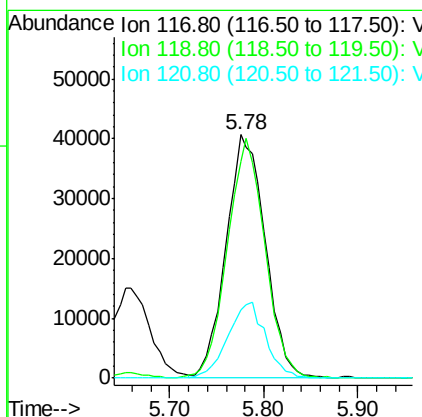
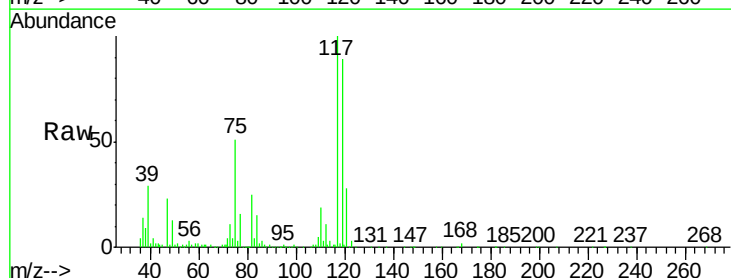
Manual Integrations
APPROVED

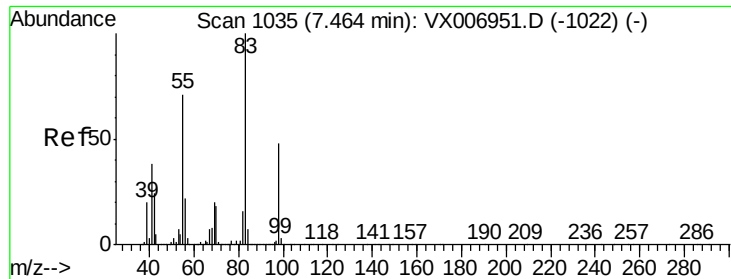
MMDadoda
1/22/2019 10:56:04 AM



#38
Carbon Tetrachloride
Concen: 19.202 ug/l
RT: 5.78 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Tgt Ion	117	Resp	117511
Ion Ratio	Lower	Upper	
117	100		
119	89.1	79.4	119.2
121	28.0	24.0	36.0





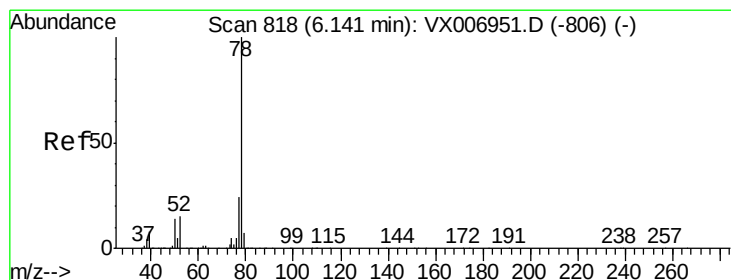
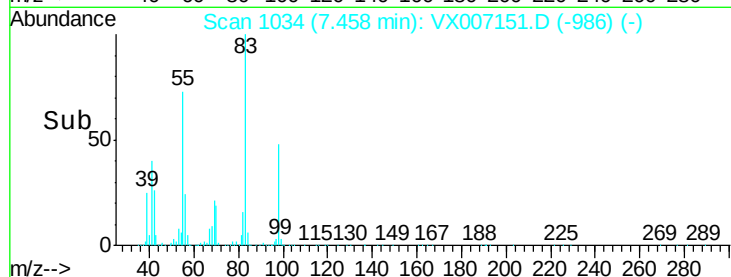
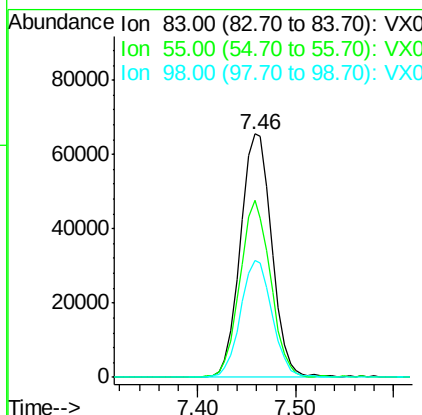
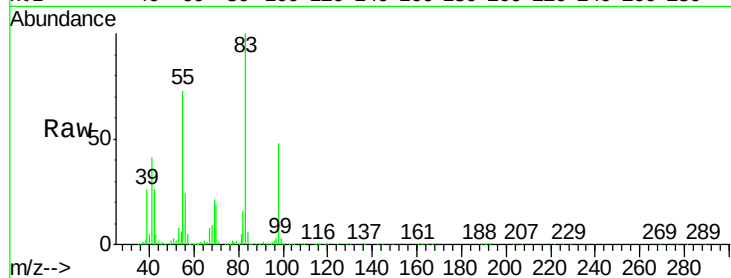
#39
Methylvlcyclohexane
Concen: 18.688 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBS01

Tot Ion	83	Resp	144912
Ion	Ratio	Lower	Upper
83	100		
55	72.9	54.9	82.3
98	48.1	37.9	56.9

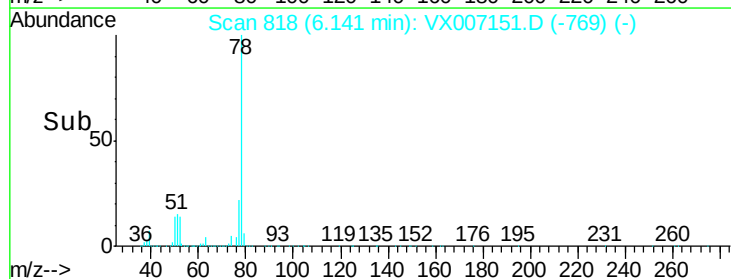
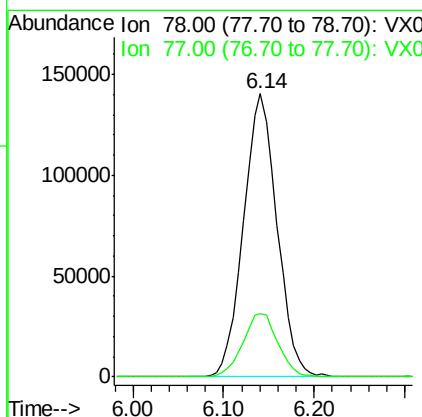
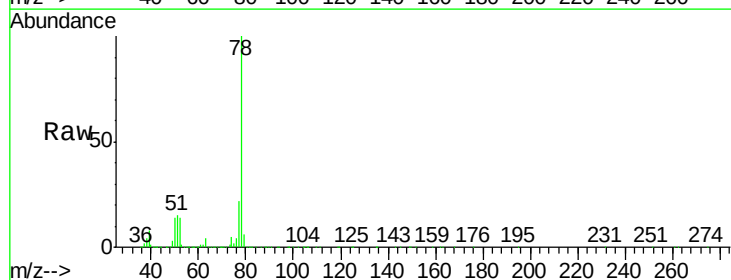
Manual Integrations
APPROVED

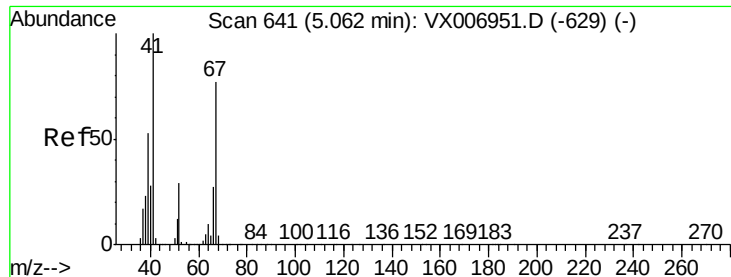
MMDadoda
1/22/2019 10:56:04 AM



#40
Benzene
Concen: 19.332 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Tgt Ion	78	Resp	358804
Ion	Ratio	Lower	Upper
78	100		
77	22.3	19.2	28.8





#41

Methacrylonitrile

Concen: 18.451 ug/l

RT: 5.05 min Scan# 639

Delta R.T. -0.01 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Instrument :

MSVOA_X

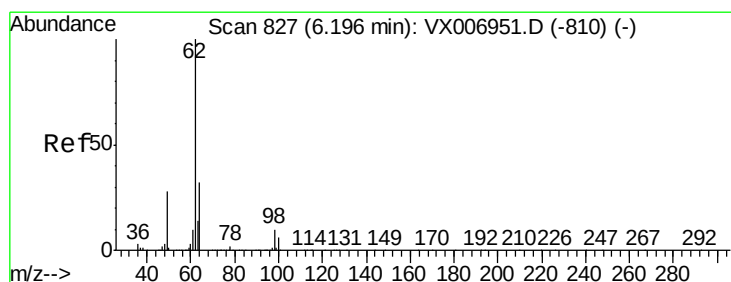
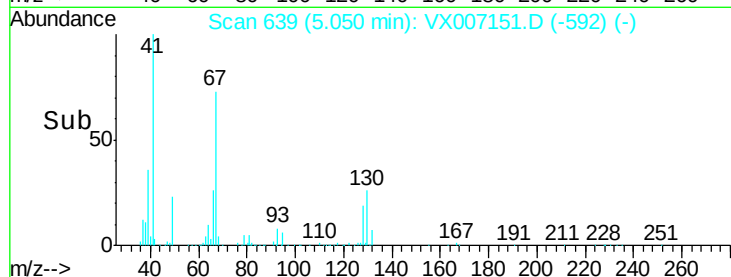
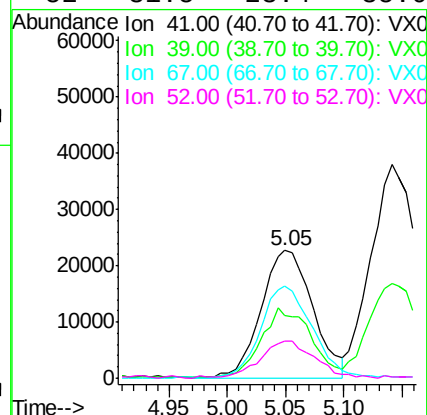
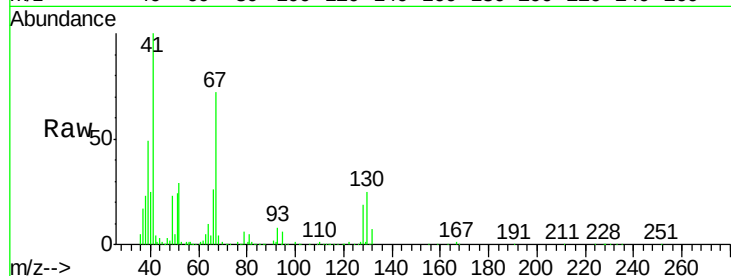
ClientSampleId :

VX0121WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.1	42.8	64.2
67	73.3	62.1	93.1
52	31.5	23.4	35.0

Manual Integrations
APPROVED

MMDadoda
1/22/2019 10:56:04 AM



#42

1,2-Dichloroethane

Concen: 19.326 ug/l

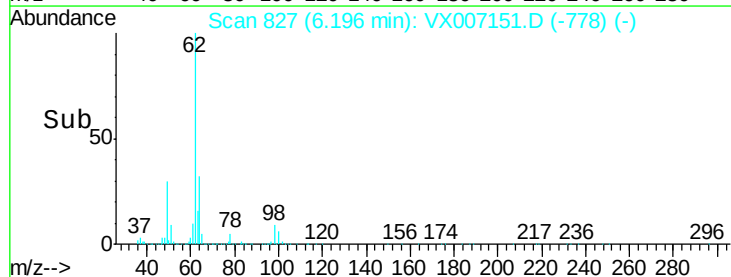
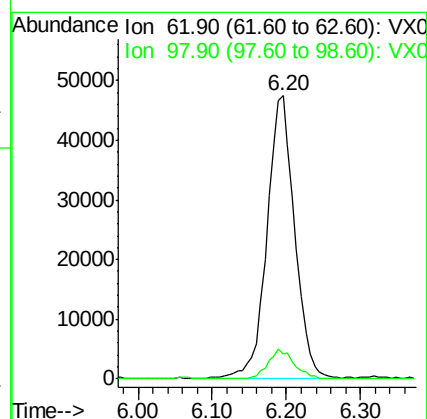
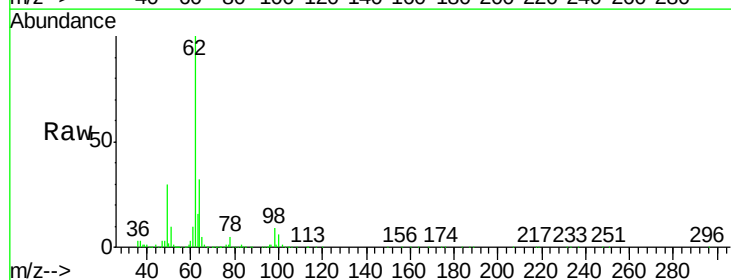
RT: 6.20 min Scan# 827

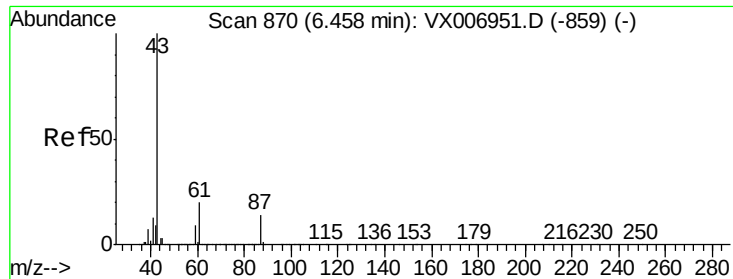
Delta R.T. 0.00 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.2





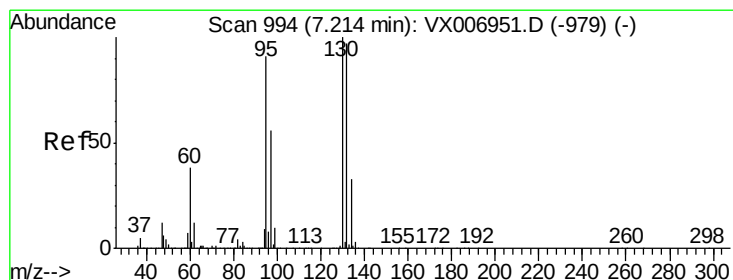
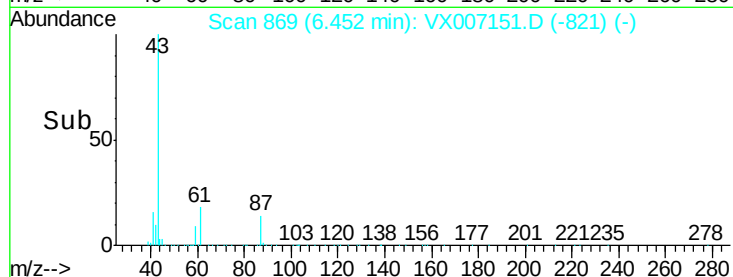
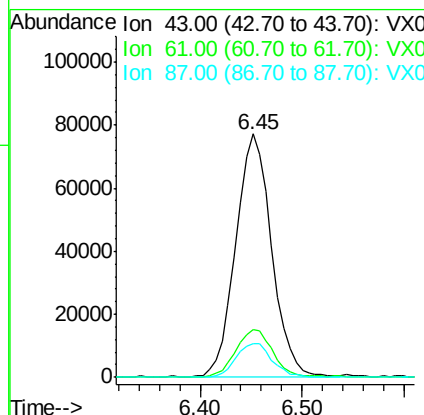
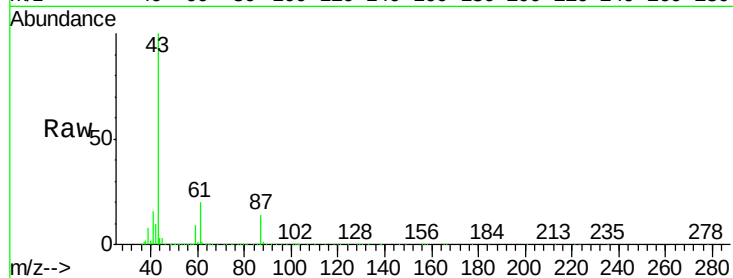
#43
Isopropyl Acetate
Concen: 18.278 ug/l
RT: 6.45 min Scan# 869
Delta R.T. -0.01 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.8	25.2
87	14.2	12.4	18.6

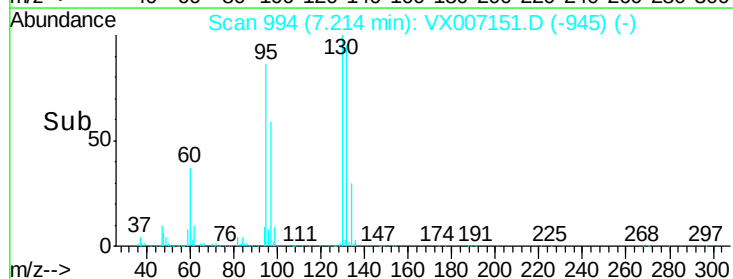
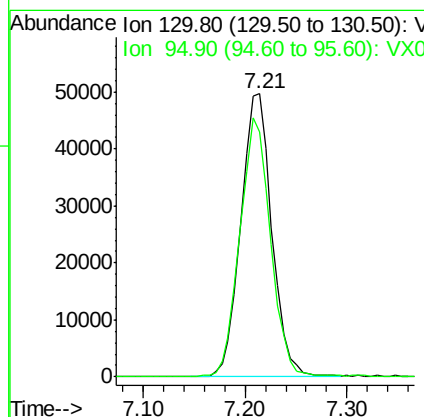
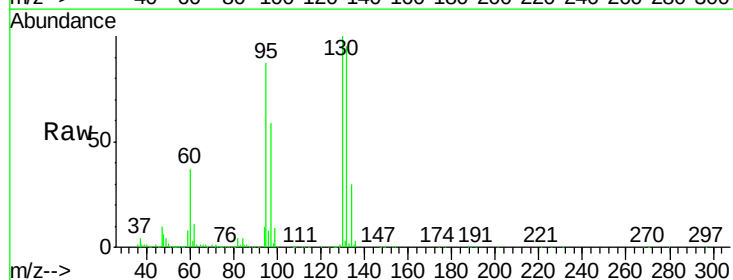
Manual Integrations
APPROVED

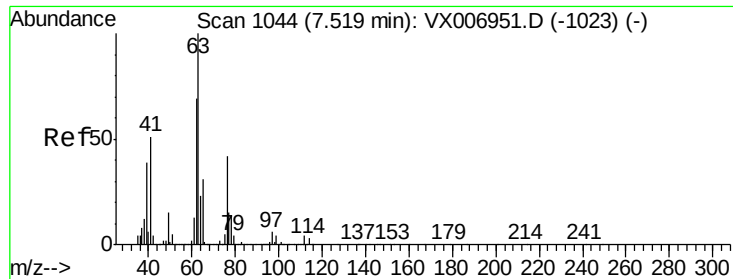
MMDadoda
1/22/2019 10:56:04 AM



#44
Trichloroethene
Concen: 18.852 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.3	0.0	187.0





#45

1,2-Dichloropropane

Concen: 19.132 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Instrument :

MSVOA_X

ClientSampled :

VX0121WBS01

Tot Ion: 63 Resp: 89269

Ion Ratio Lower Upper

63 100

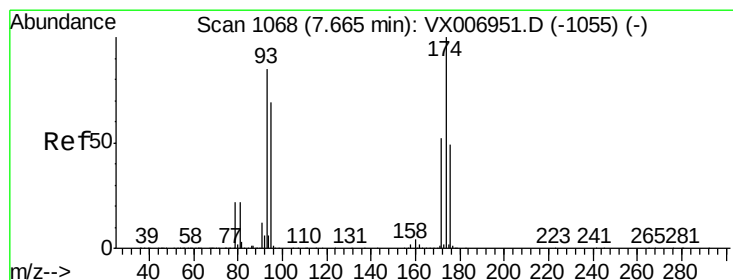
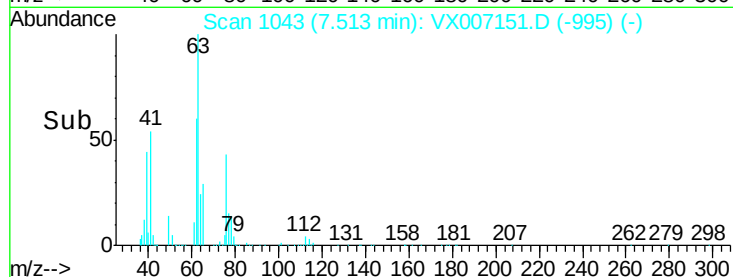
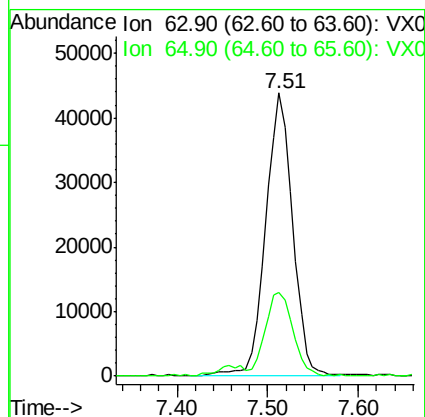
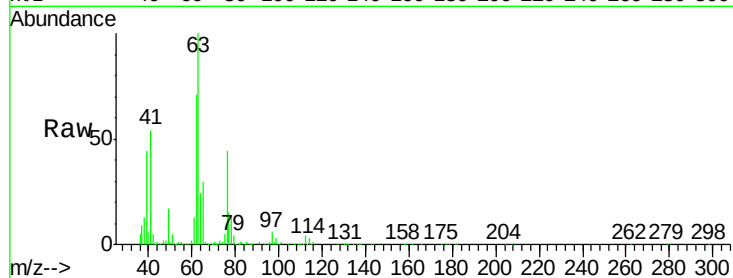
65 29.5 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

1/22/2019 10:56:04 AM



#46

Dibromomethane

Concen: 19.392 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

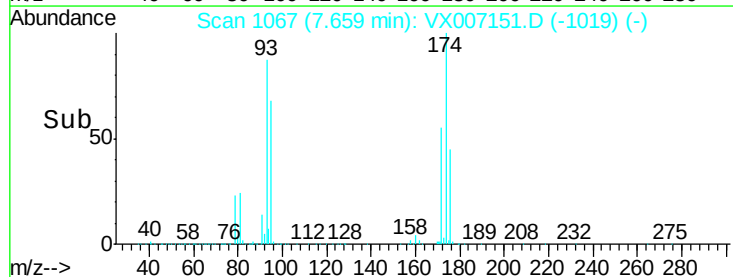
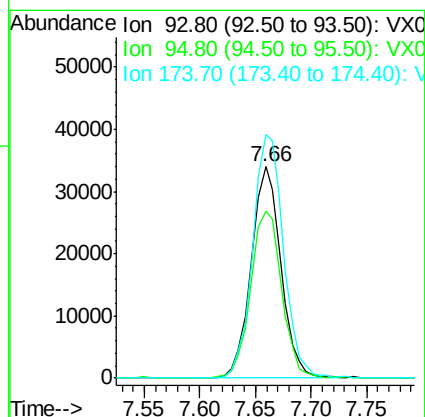
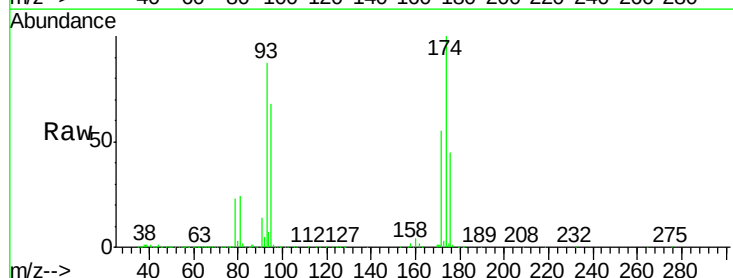
Tgt Ion: 93 Resp: 63591

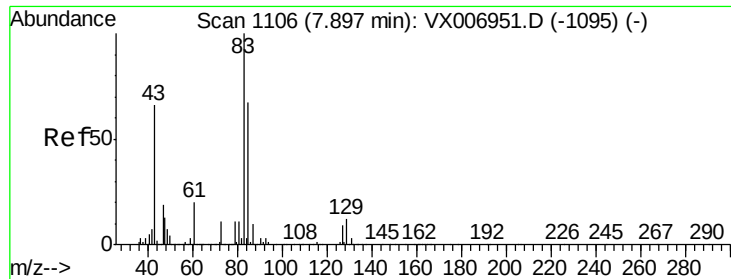
Ion Ratio Lower Upper

93 100

95 82.4 66.2 99.4

174 118.8 91.0 136.4





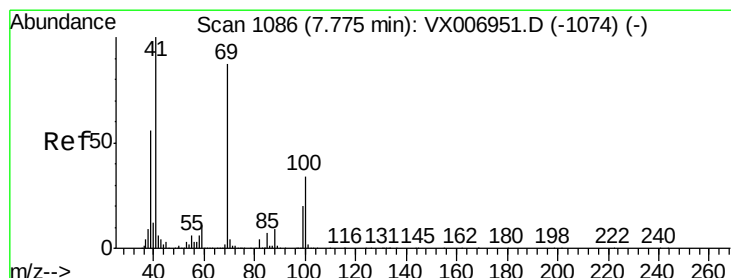
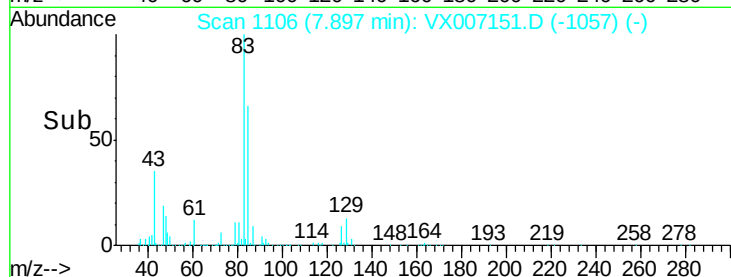
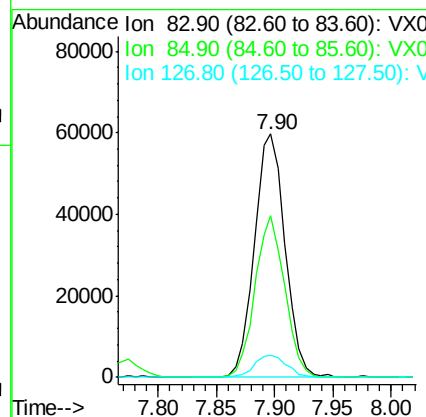
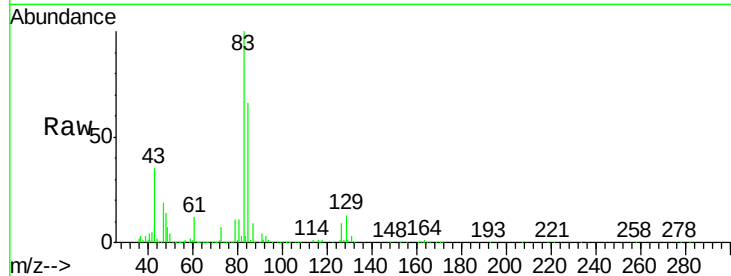
#47
Bromodichloromethane
Concen: 19.719 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	66.2	53.2	79.8
127	9.2	7.8	11.6

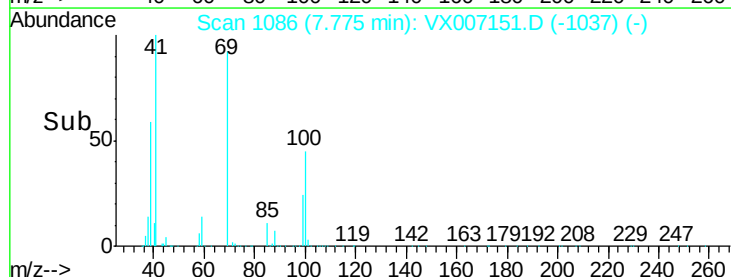
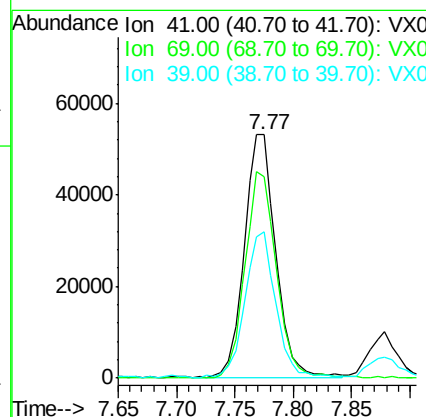
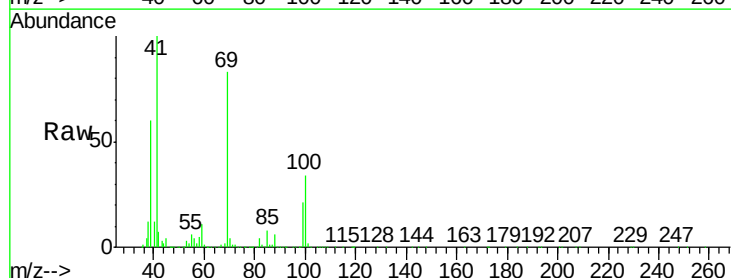
Manual Integrations
APPROVED

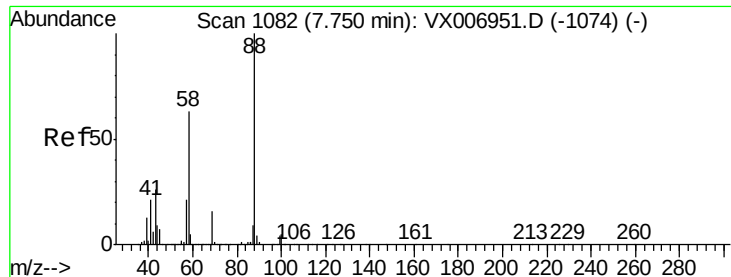
MMDadoda
1/22/2019 10:56:04 AM



#48
Methyl methacrylate
Concen: 18.759 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Tgt Ion	Ratio	Lower	Upper
41	100		
69	85.1	72.4	108.6
39	58.7	45.8	68.8





#49

1,4-Dioxane

Concen: 368.478 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Instrument :

MSVOA_X

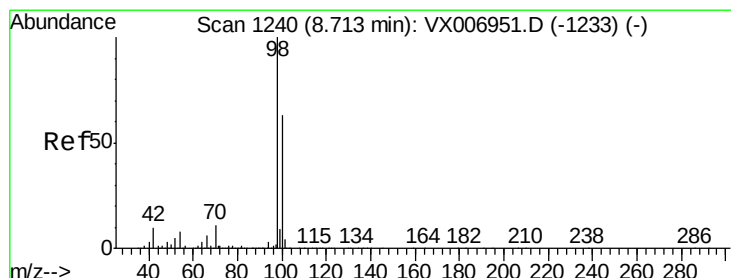
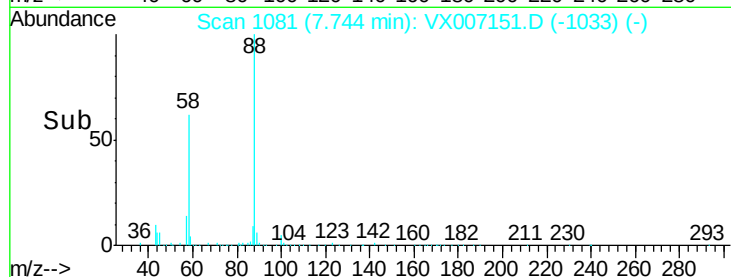
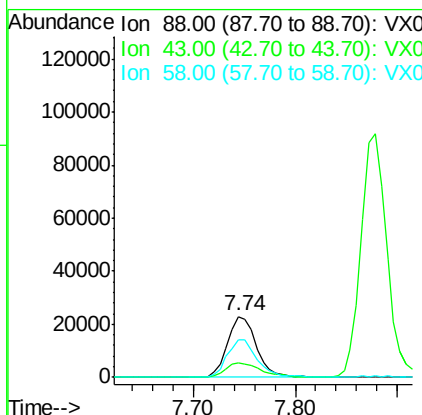
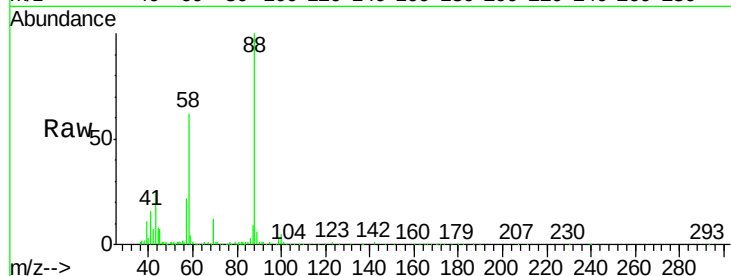
ClientSampleId :

VX0121WBS01

Tot Ion:	88	Resp:	45104
Ion	Ratio	Lower	Upper
88	100		
43	31.1	22.2	33.4
58	63.0	51.0	76.4

Manual Integrations
APPROVED

MMDadoda
1/22/2019 10:56:04 AM



#50

Toluene-d8

Concen: 49.192 ug/l

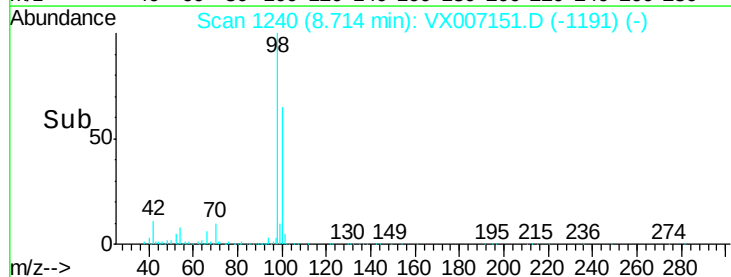
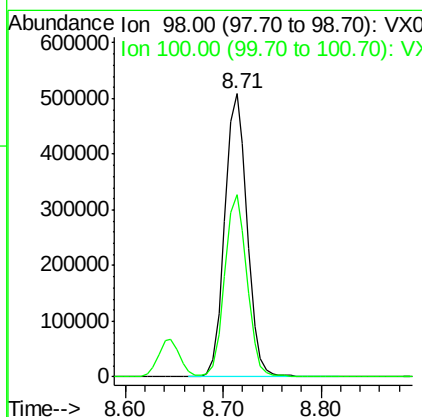
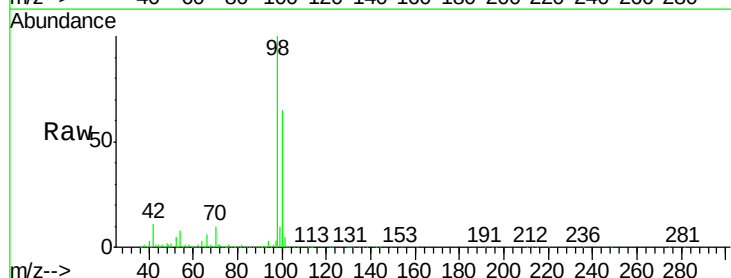
RT: 8.71 min Scan# 1240

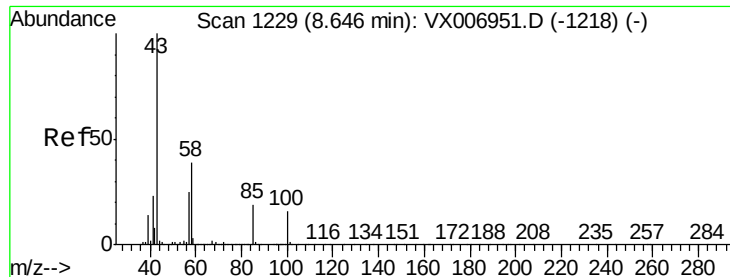
Delta R.T. 0.00 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Tgt Ion:	98	Resp:	806720
Ion	Ratio	Lower	Upper
98	100		
100	63.6	52.0	78.0





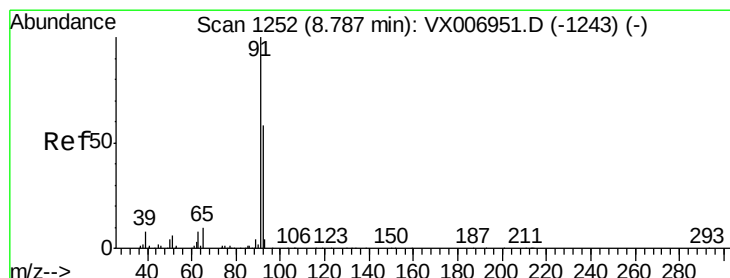
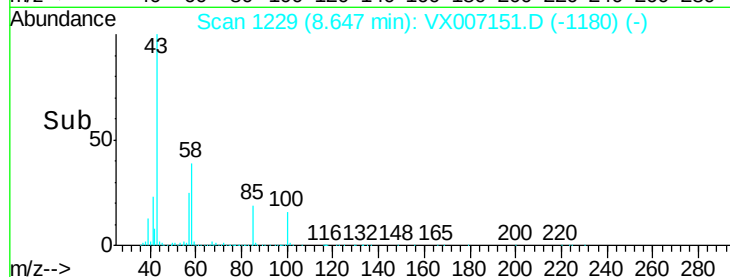
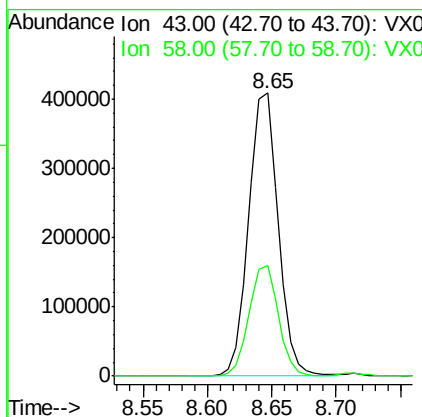
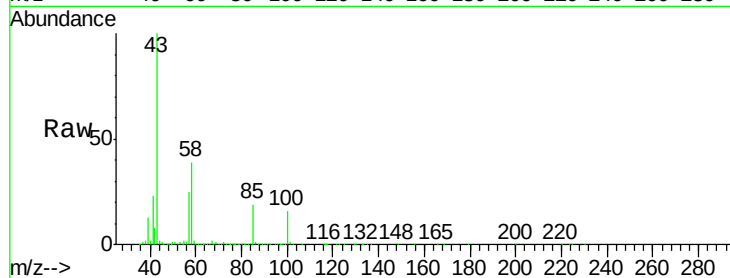
#51
4-Methyl-2-Pentanone
Concen: 97.596 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.8	47.6

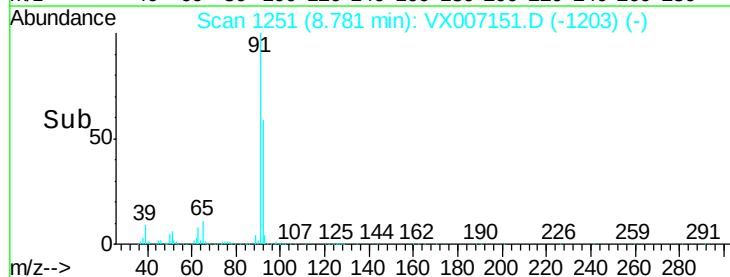
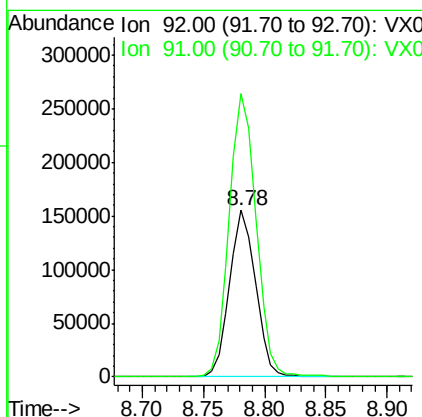
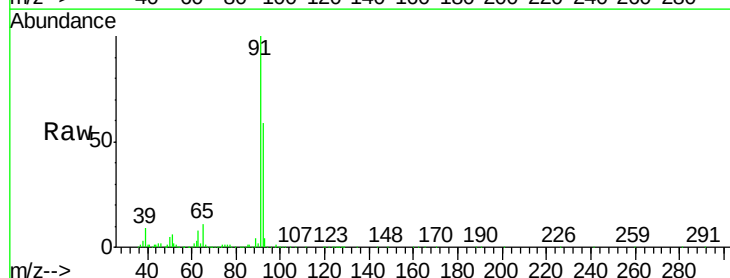
Manual Integrations
APPROVED

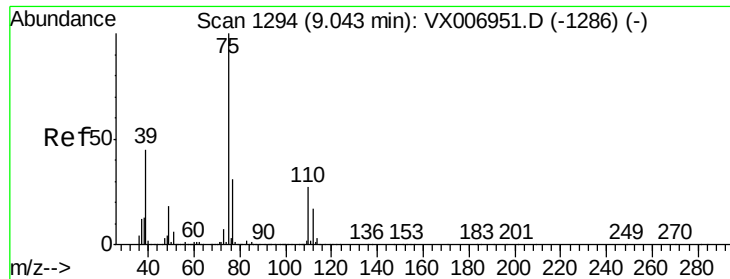
MMDadoda
1/22/2019 10:56:04 AM



#52
Toluene
Concen: 19.247 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.1	137.6	206.4





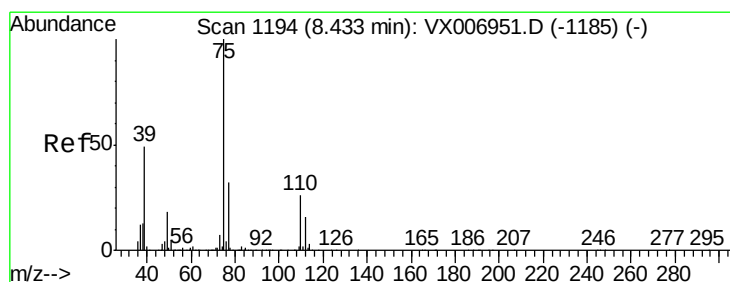
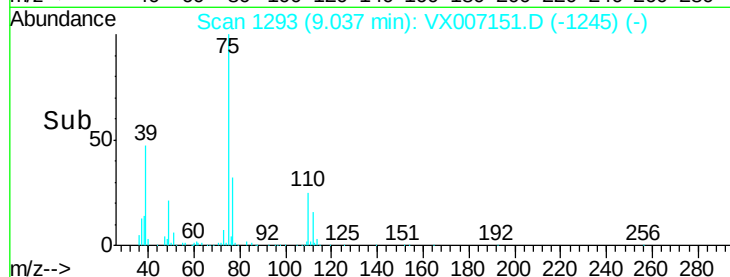
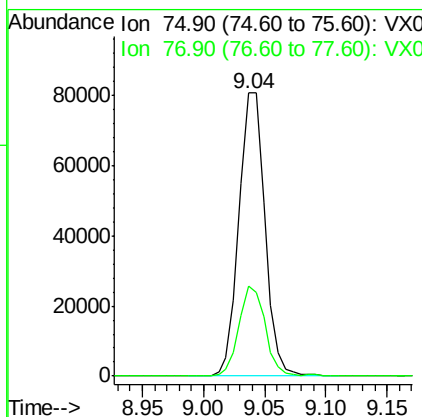
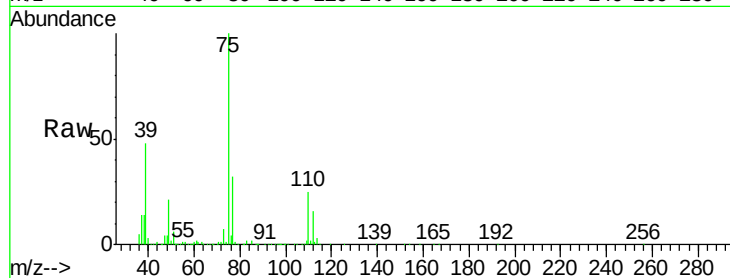
#53
t-1,3-Dichloropropene
Concen: 19.281 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBS01

Tot Ion: 75 Resp: 119343
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.0

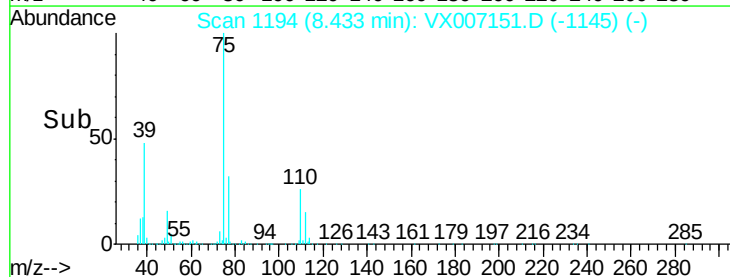
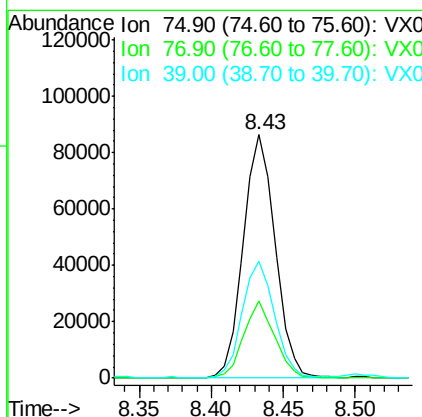
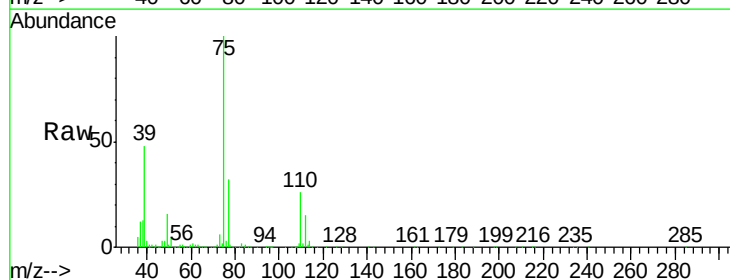
Manual Integrations
APPROVED

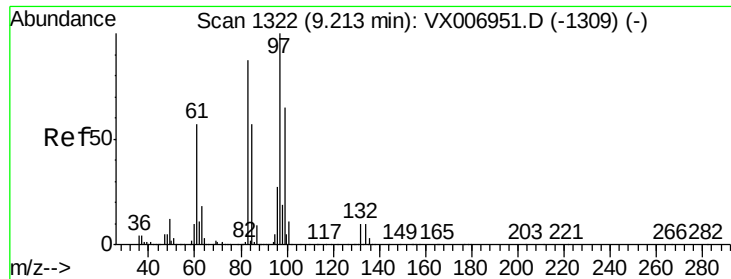
MMDadoda
1/22/2019 10:56:04 AM



#54
cis-1,3-Dichloropropene
Concen: 19.422 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Tgt Ion: 75 Resp: 132756
Ion Ratio Lower Upper
75 100
77 31.5 26.2 39.2
39 47.7 36.7 55.1





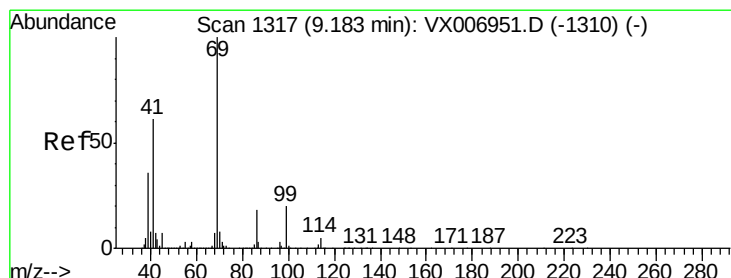
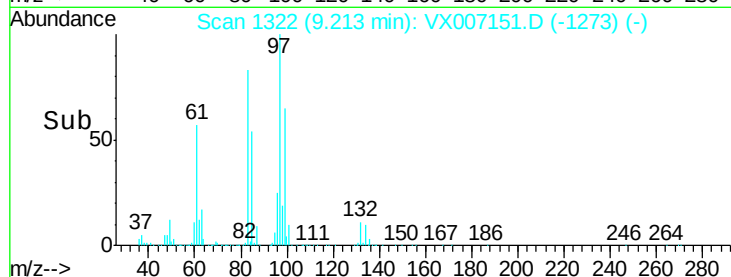
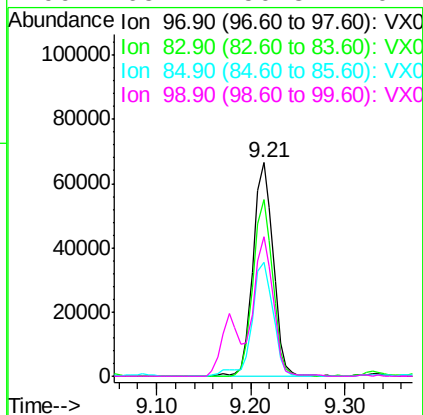
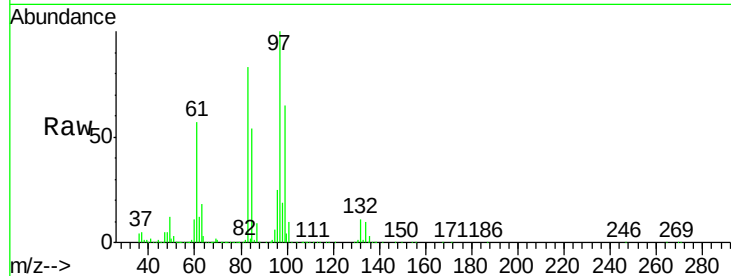
#55
 1,1,2-Trichloroethane
 Concen: 20.765 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007151.D
 Acq: 21 Jan 2019 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0121WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		99147		
83	82.3		66.6	99.8	
85	53.5		42.7	64.1	
99	65.1		50.8	76.2	

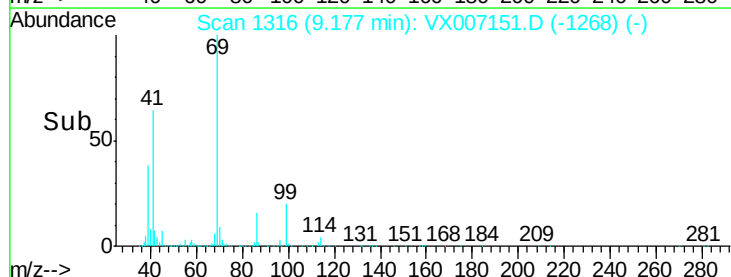
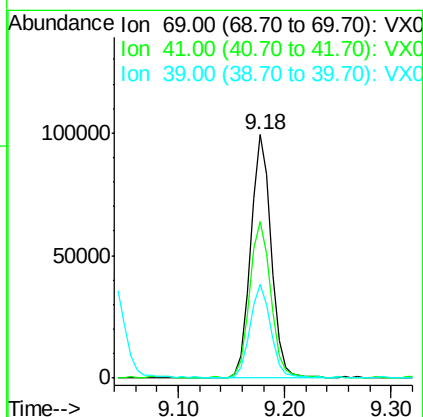
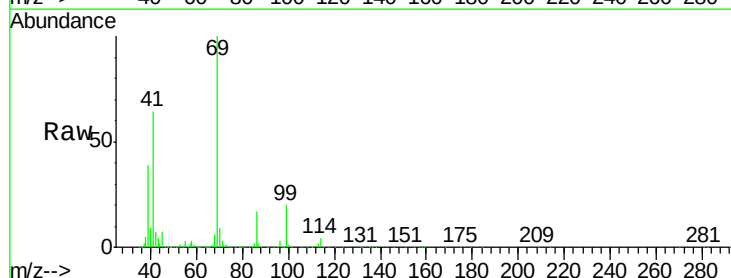
Manual Integrations
 APPROVED

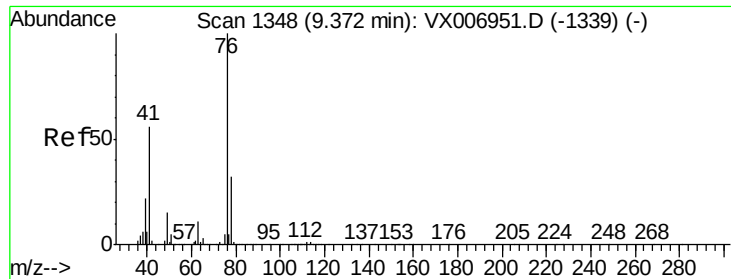
MMDadoda
 1/22/2019 10:56:04 AM



#56
 Ethyl methacrylate
 Concen: 19.343 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VX007151.D
 Acq: 21 Jan 2019 11:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		134829		
41	66.6		48.7	73.1	
39	38.2		27.0	40.6	





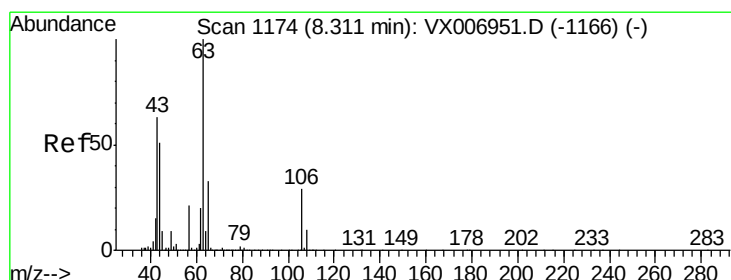
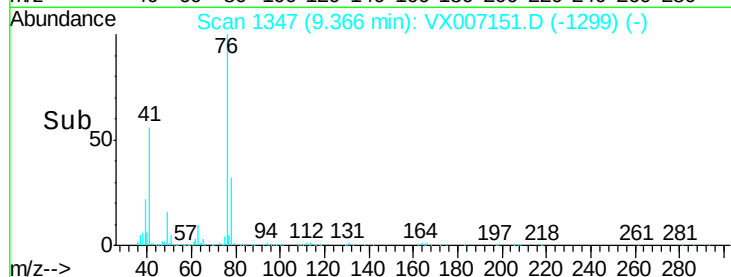
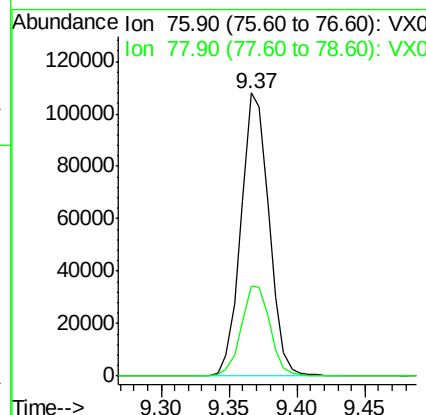
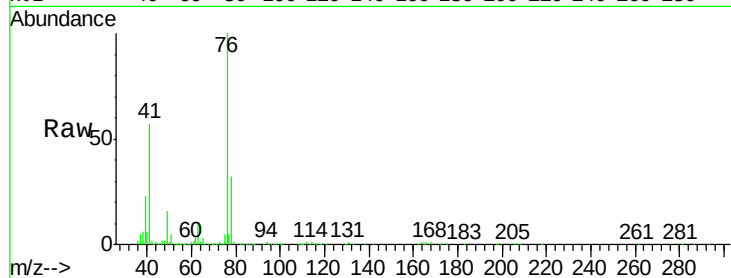
#57
 1,3-Dichloropropane
 Concen: 19.869 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX007151.D
 Acq: 21 Jan 2019 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0121WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.0	39.0

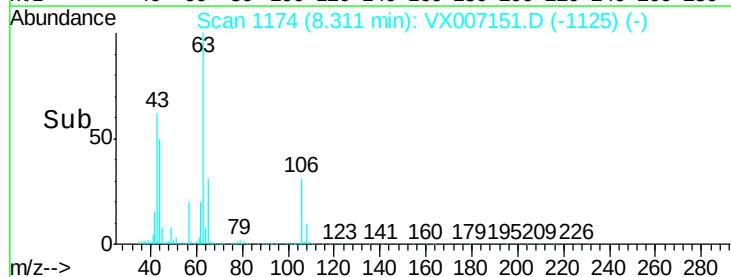
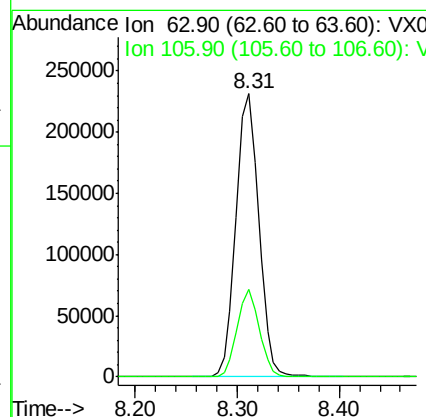
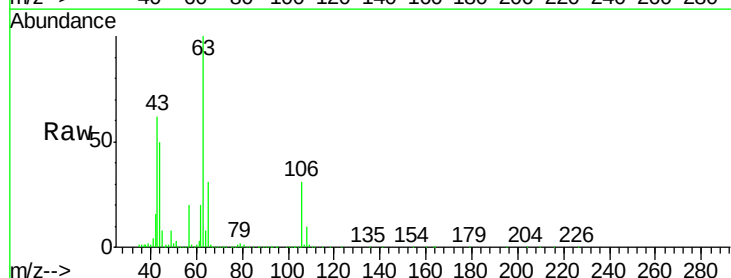
Manual Integrations
 APPROVED

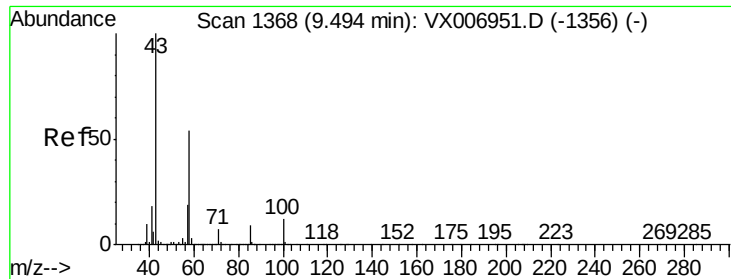
MMDadoda
 1/22/2019 10:56:04 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.729 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX007151.D
 Acq: 21 Jan 2019 11:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.2	24.6	36.8





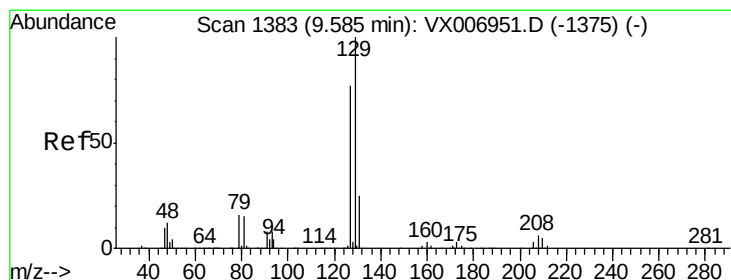
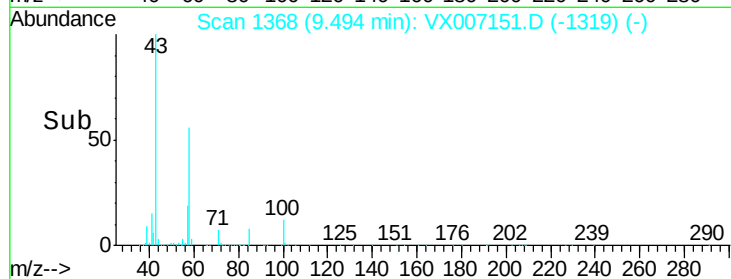
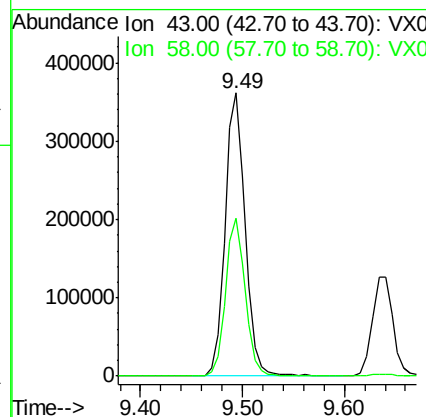
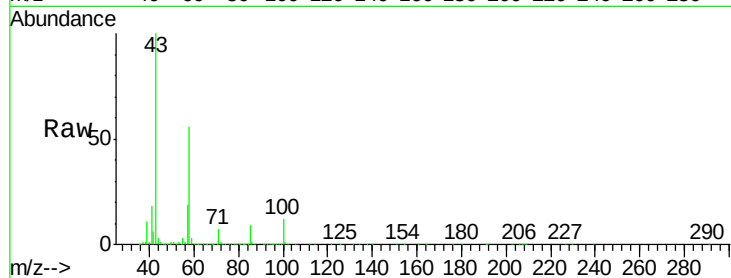
#59
2-Hexanone
Concen: 98.006 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBS01

Tot Ion: 43 Resp: 493715
Ion Ratio Lower Upper
43 100
58 54.8 27.7 83.1

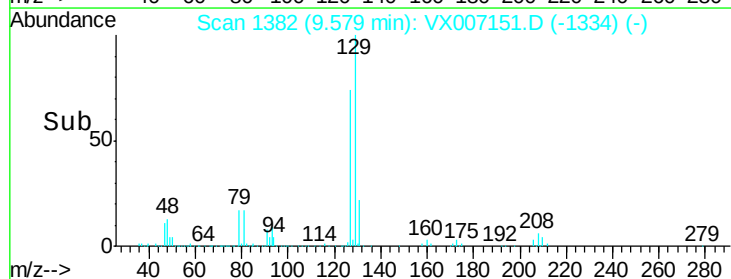
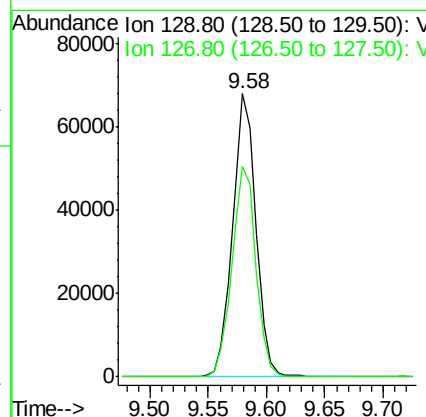
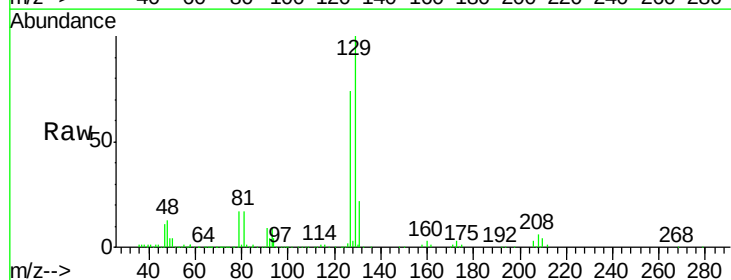
Manual Integrations
APPROVED

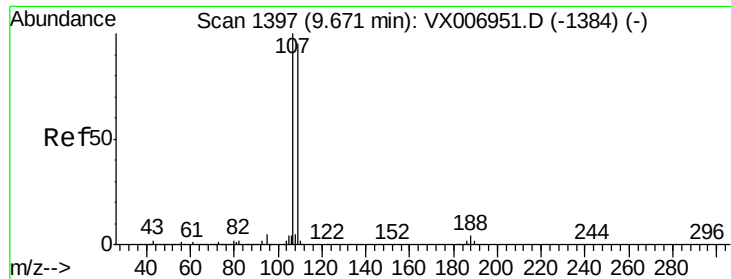
MMDadoda
1/22/2019 10:56:04 AM



#60
Dibromochloromethane
Concen: 20.382 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Tgt Ion: 129 Resp: 94499
Ion Ratio Lower Upper
129 100
127 76.5 39.3 117.8





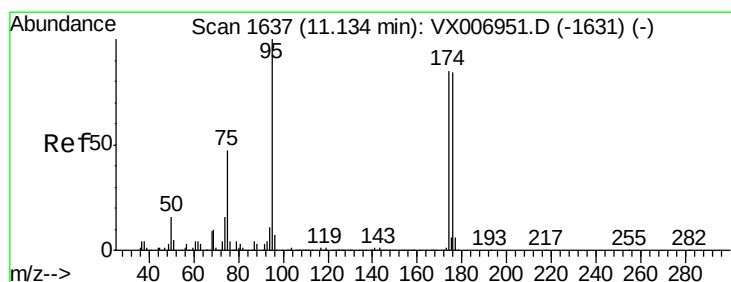
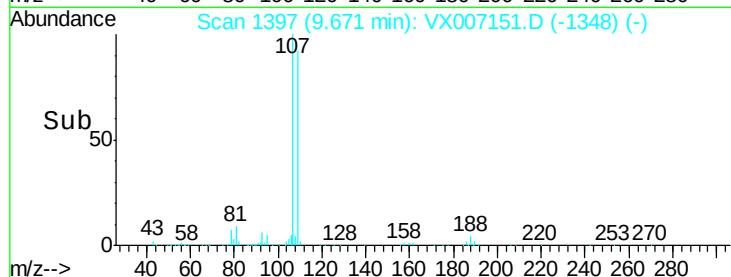
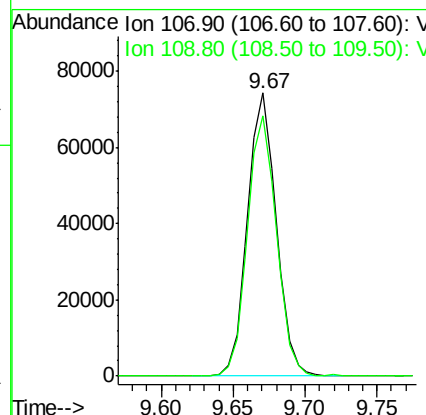
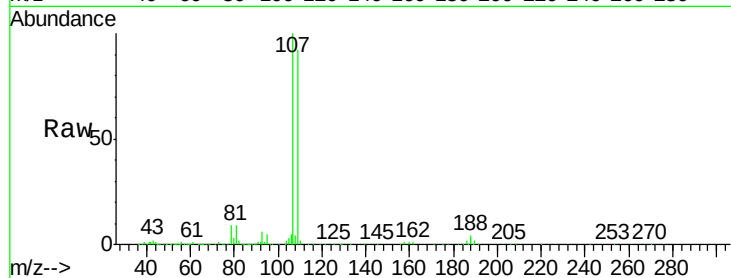
#61
 1,2-Dibromoethane
 Concen: 19.525 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX007151.D
 Acq: 21 Jan 2019 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0121WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.8	113.6

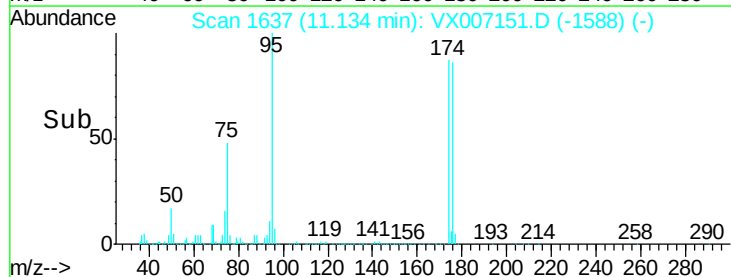
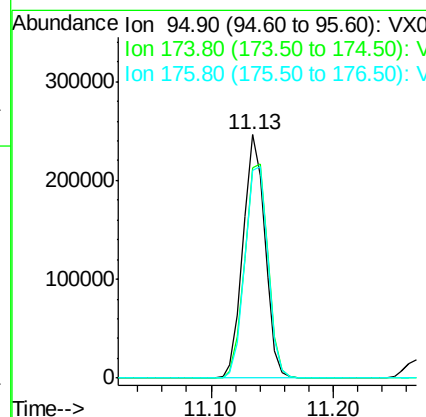
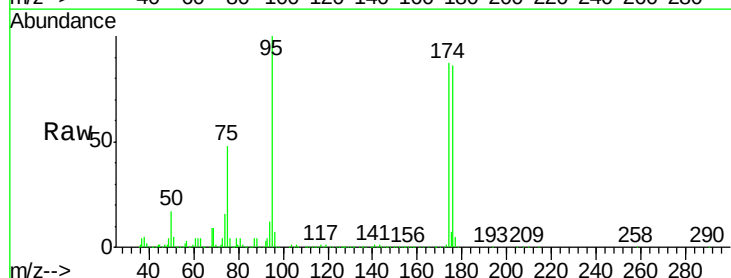
Manual Integrations
 APPROVED

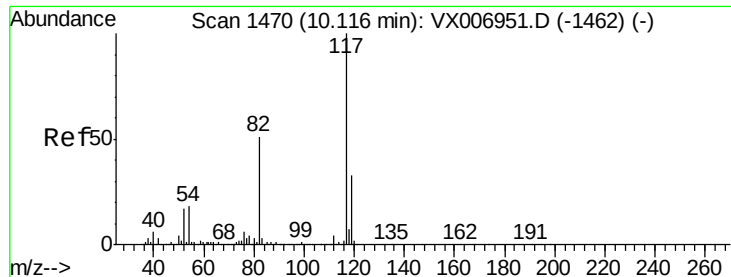
MMDadoda
 1/22/2019 10:56:04 AM



#62
 4-Bromofluorobenzene
 Concen: 53.317 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX007151.D
 Acq: 21 Jan 2019 11:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.6	0.0	182.2
176	91.7	0.0	178.8





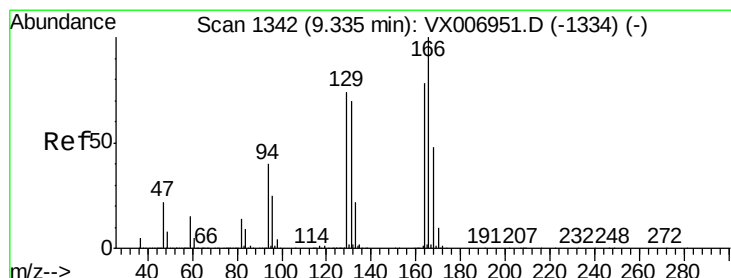
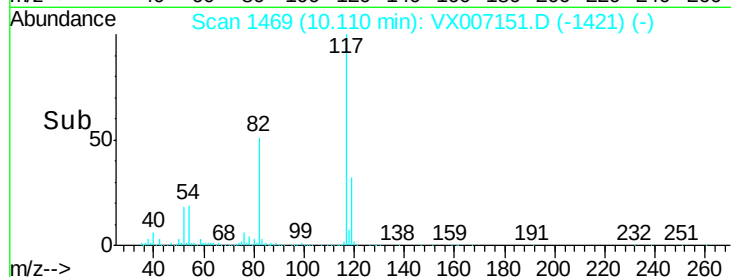
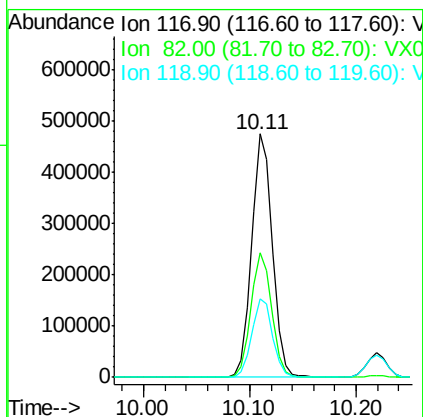
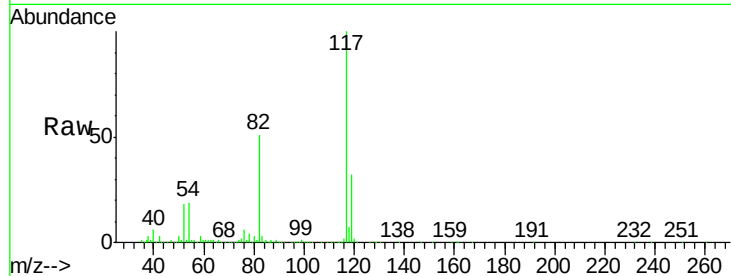
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	41.0	61.6
119	32.0	25.4	38.0

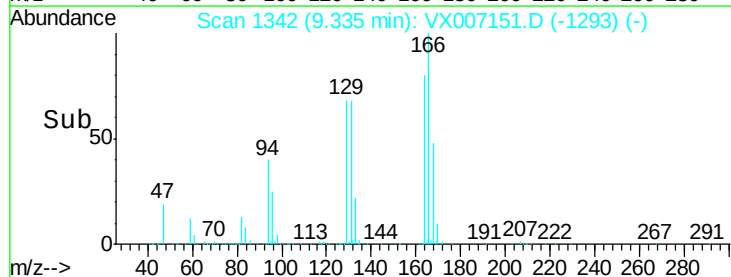
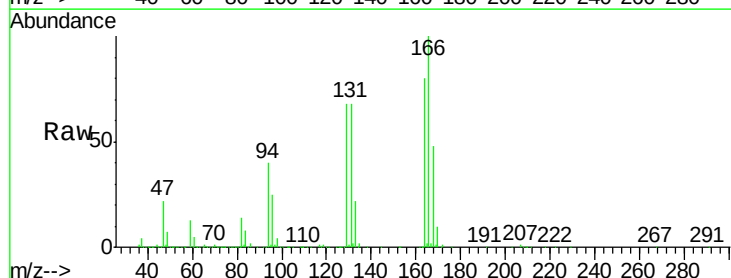
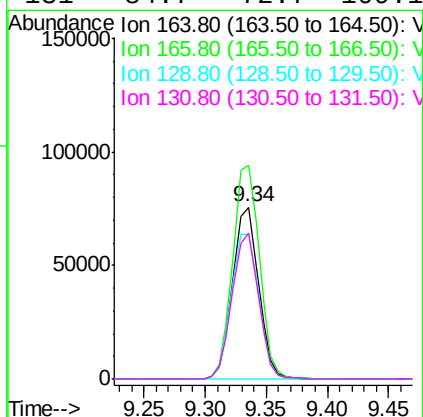
Manual Integrations
APPROVED

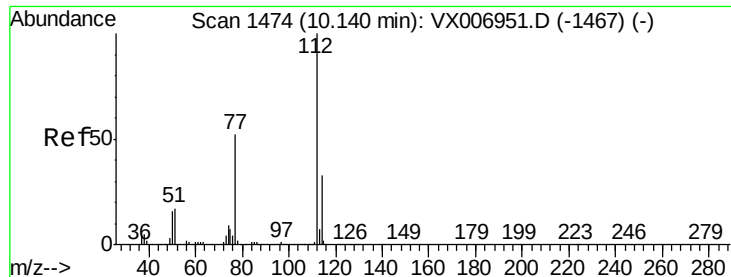
MMDadoda
1/22/2019 10:56:04 AM



#64
Tetrachloroethene
Concen: 19.981 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	102.5	153.7
129	84.5	75.1	112.7
131	84.7	72.7	109.1





#65

Chlorobenzene

Concen: 19.499 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Instrument :

MSVOA_X

ClientSampled :

VX0121WBS01

Tot Ion:112 Resp: 274826

Ion Ratio Lower Upper

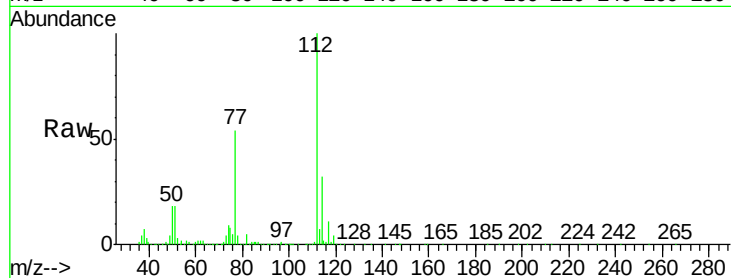
112 100

114 31.5 25.7 38.5

Manual Integrations
APPROVED

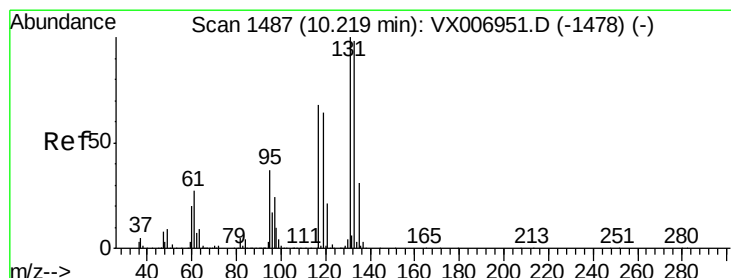
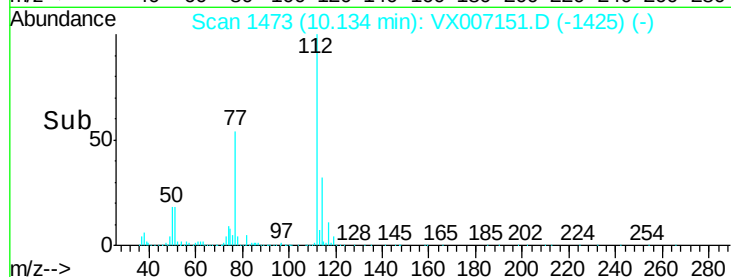
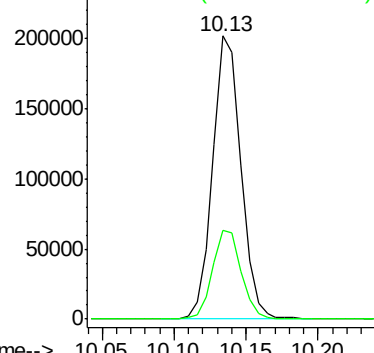
MMDadoda

1/22/2019 10:56:04 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.171 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

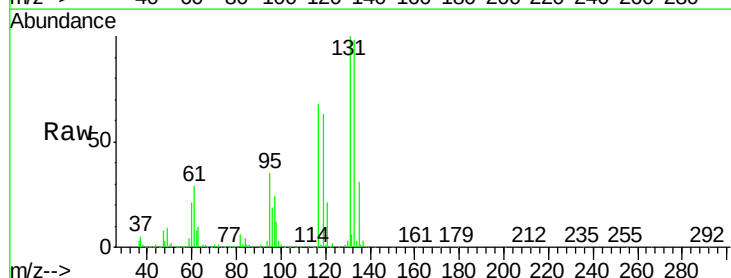
Tgt Ion:131 Resp: 95636

Ion Ratio Lower Upper

131 100

133 94.6 48.0 144.2

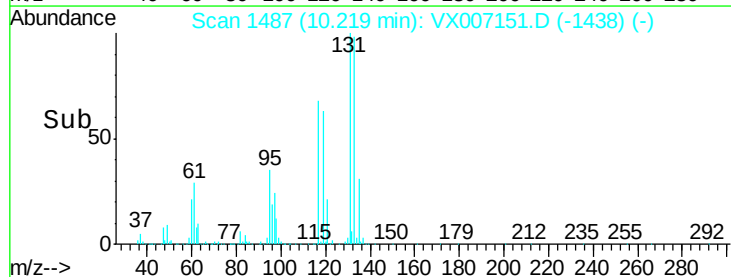
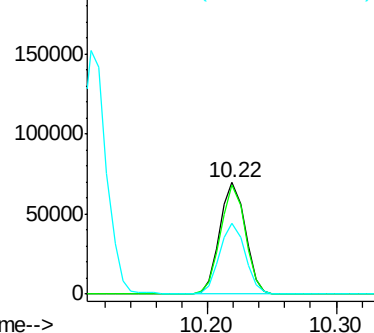
119 63.4 32.6 97.8

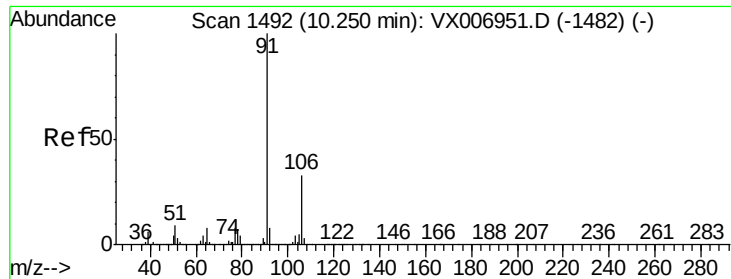


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.293 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0121WBS01

Tot Ion: 91 Resp: 448913

Ion Ratio Lower Upper

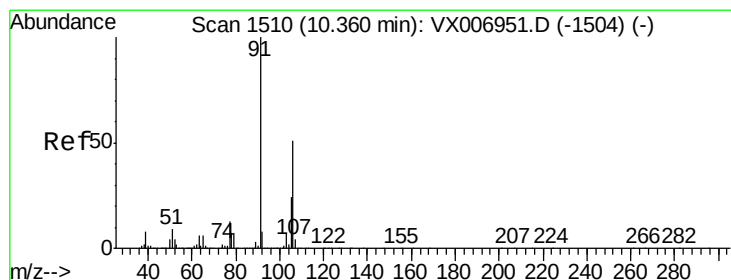
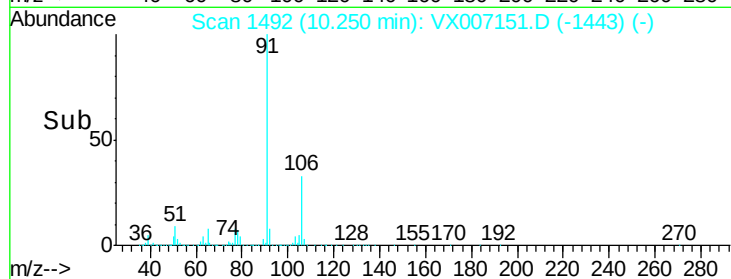
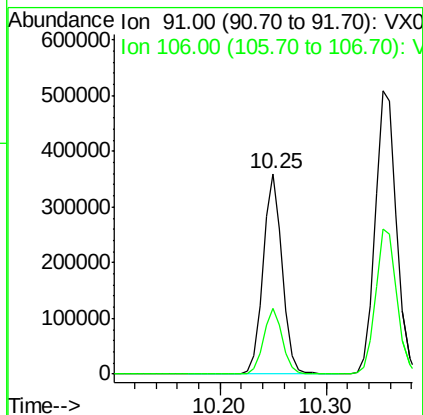
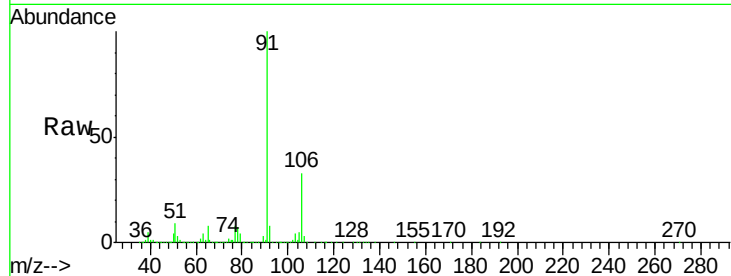
91 100

106 32.5 26.4 39.6

Manual Integrations
APPROVED

MMDadoda

1/22/2019 10:56:04 AM



#68

m/p-Xylenes

Concen: 39.349 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX007151.D

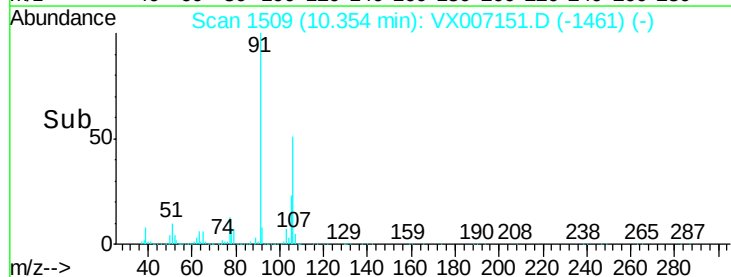
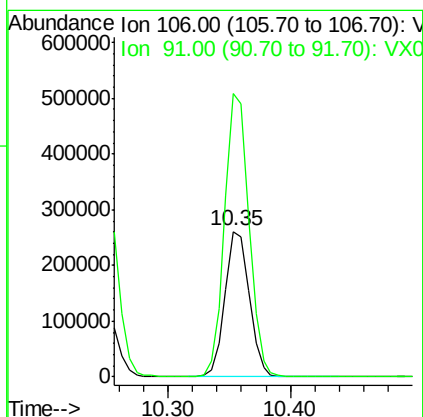
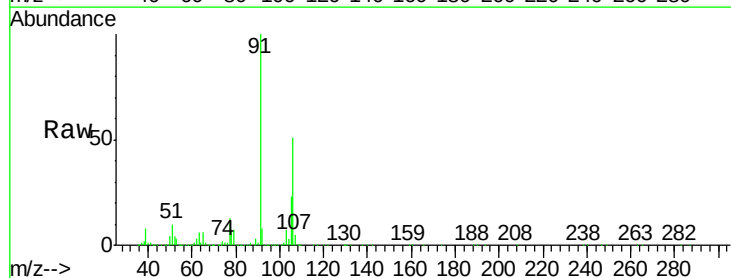
Acq: 21 Jan 2019 11:50

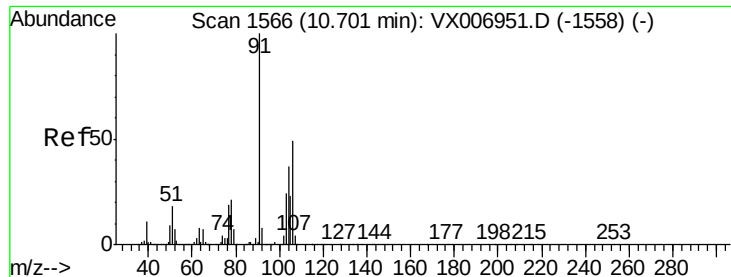
Tgt Ion: 106 Resp: 360721

Ion Ratio Lower Upper

106 100

91 194.5 155.8 233.6





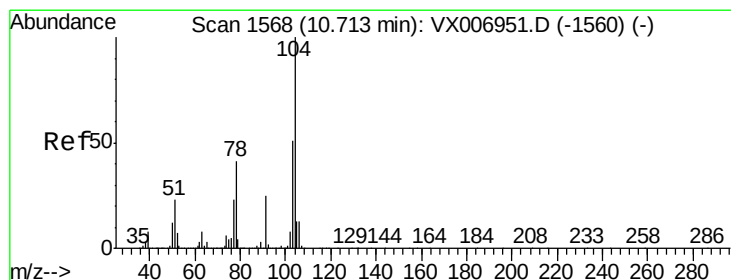
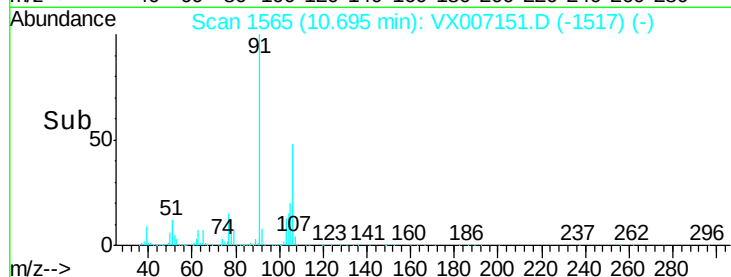
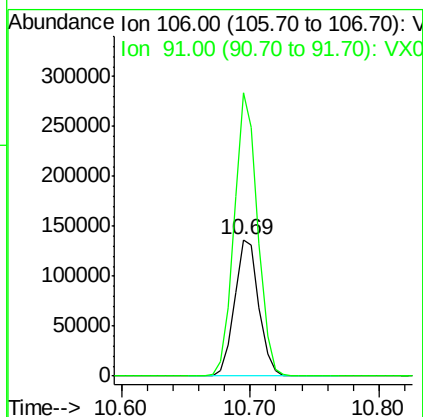
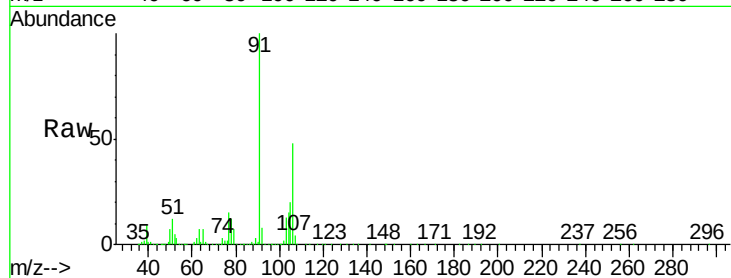
#69
o-Xylene
Concen: 20.030 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	201.3	101.3	303.7

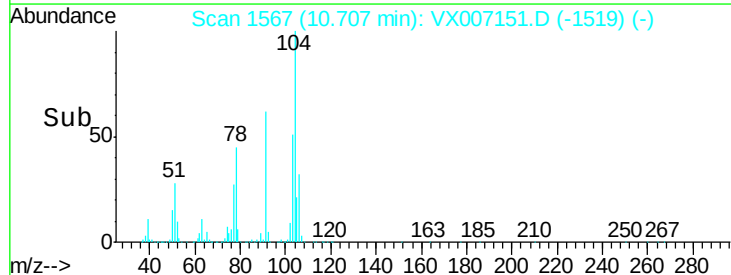
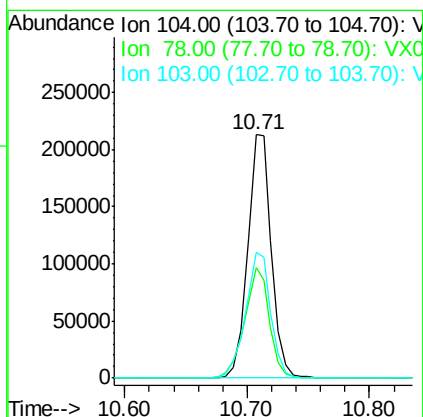
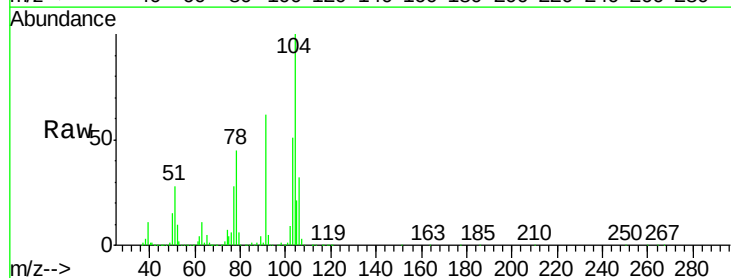
Manual Integrations
APPROVED

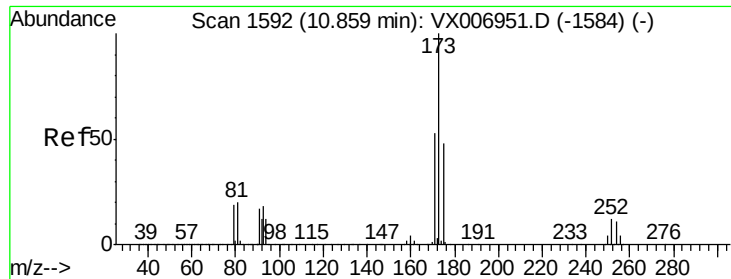
MMDadoda
1/22/2019 10:56:04 AM



#70
Styrene
Concen: 20.206 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.5	37.7	56.5
103	55.4	43.8	65.8





#71

Bromoform

Concen: 19.338 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0121WBS01

Tot Ion:173 Resp: 68448

Ion Ratio Lower Upper

173 100

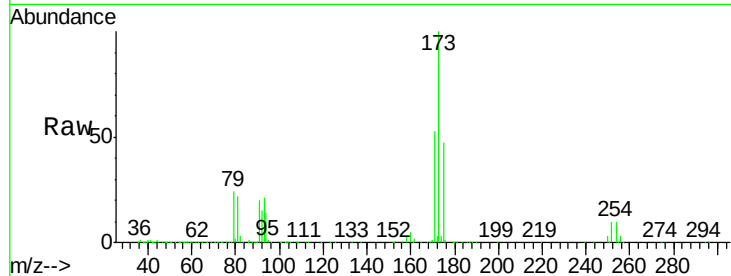
175 48.3 24.7 74.1

254 0.0 0.2 0.2#

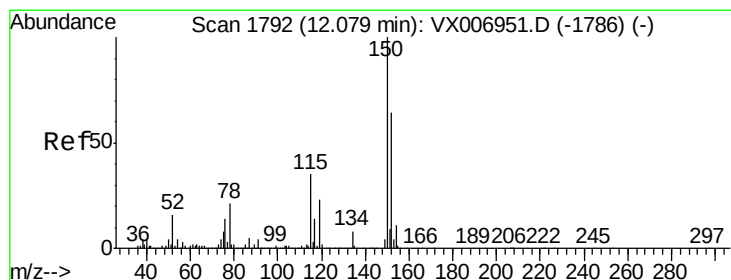
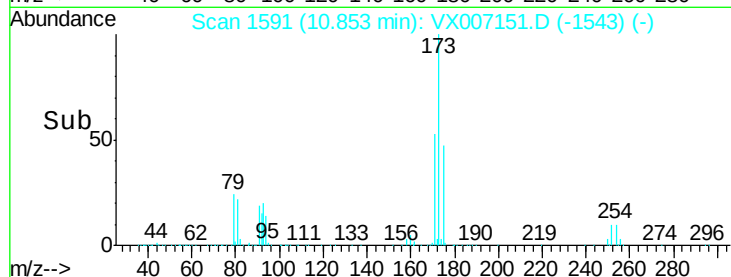
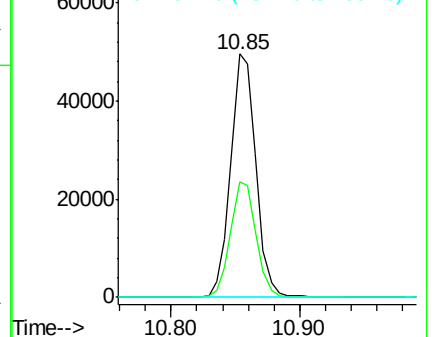
Manual Integrations
APPROVED

MMDadoda

1/22/2019 10:56:04 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: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

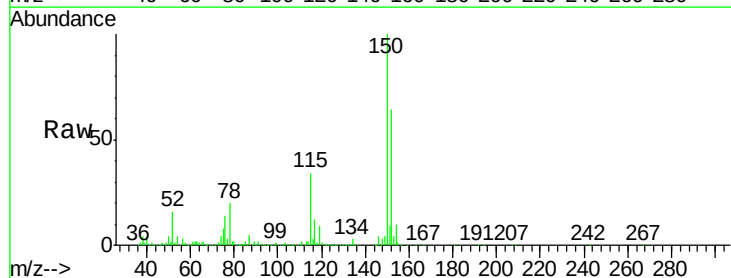
Tgt Ion:152 Resp: 360280

Ion Ratio Lower Upper

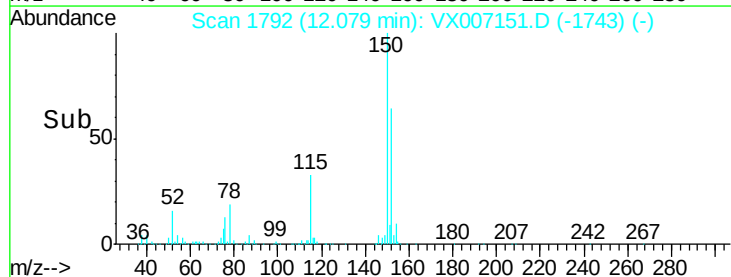
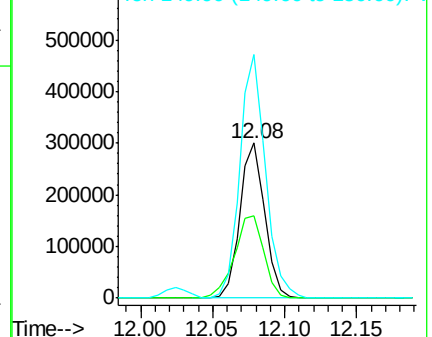
152 100

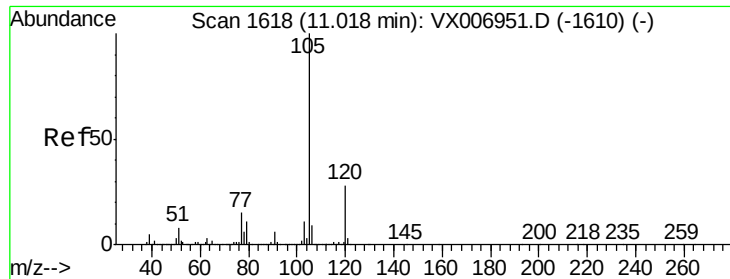
115 63.3 39.1 117.2

150 162.2 0.0 344.8



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: 18.658 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0121WBS01

Tot Ion: 105 Resp: 474012

Ion Ratio Lower Upper

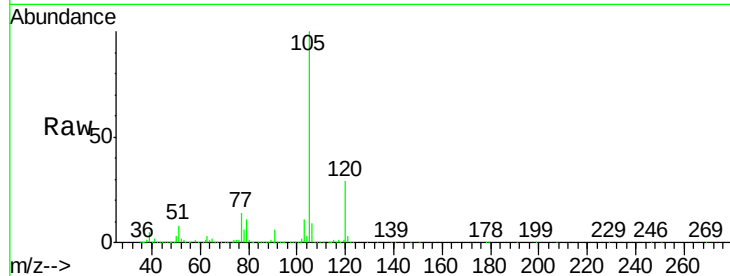
105 100

120 28.0 14.1 42.4

Manual Integrations
APPROVED

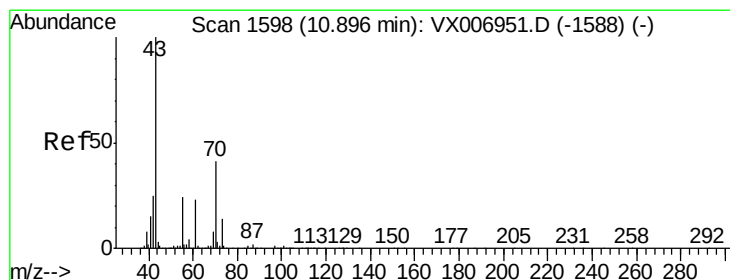
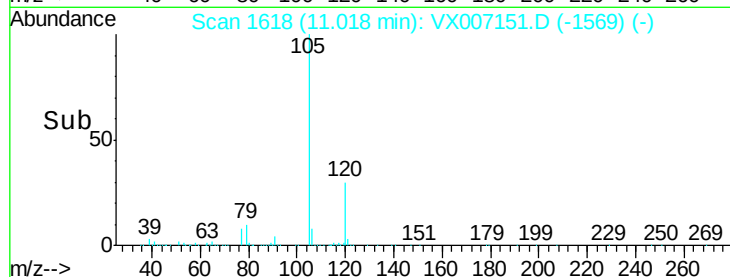
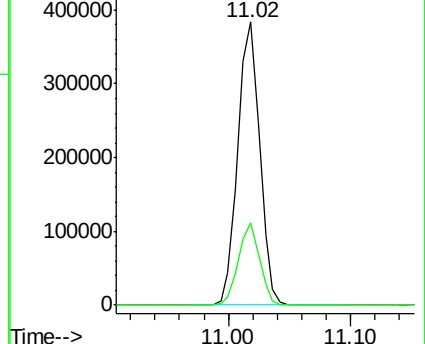
MMDadoda

1/22/2019 10:56:04 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.038 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Tgt Ion: 43 Resp: 174271

Ion Ratio Lower Upper

43 100

70 42.8 35.8 53.8

55 25.7 19.4 29.0

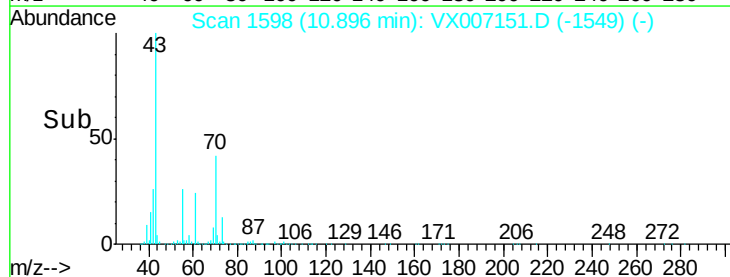
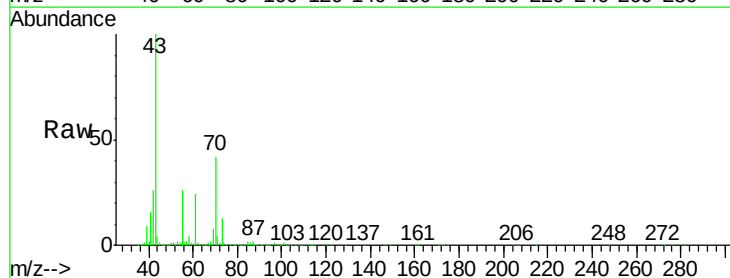
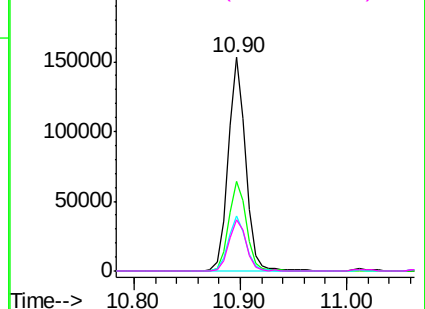
61 24.5 20.1 30.1

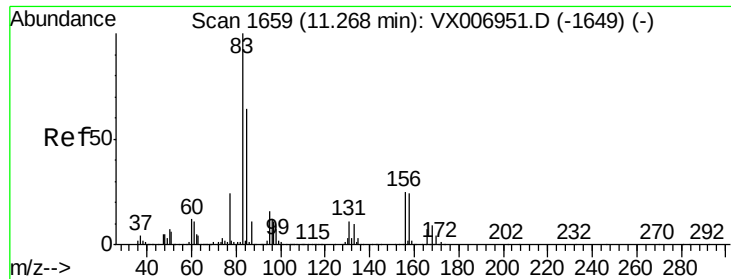
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.631 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Instrument :

MSVOA_X

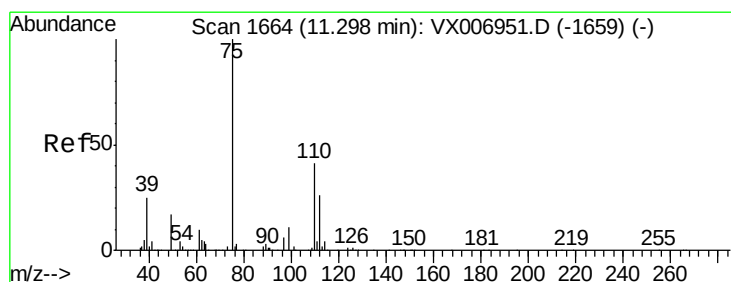
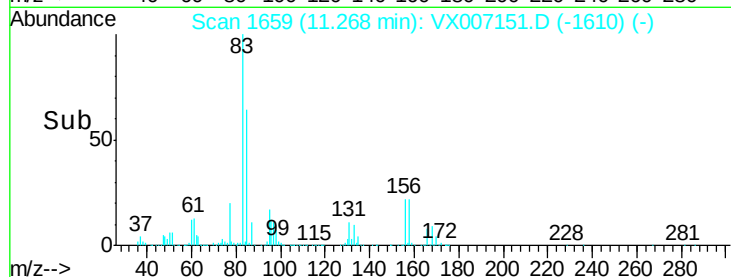
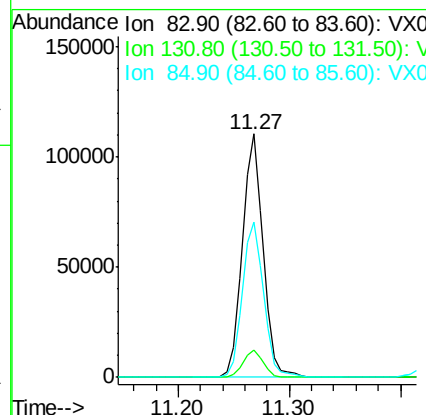
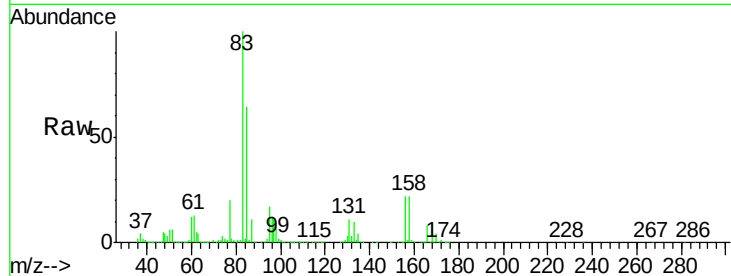
ClientSampled :

VX0121WBS01

Tot Ion:	83	Resp:	142199
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.7	17.1
85	65.8	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
1/22/2019 10:56:04 AM



#76

1,2,3-Trichloropropane

Concen: 18.426 ug/l m

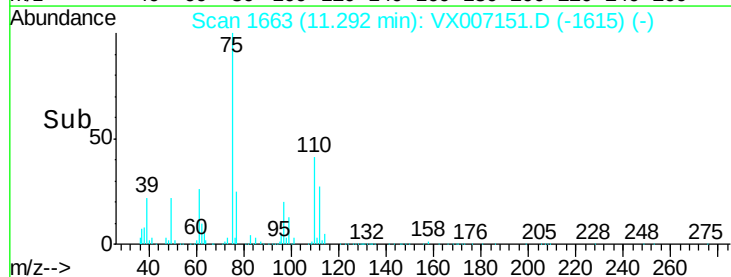
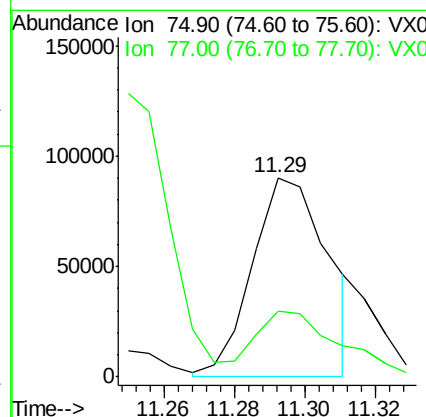
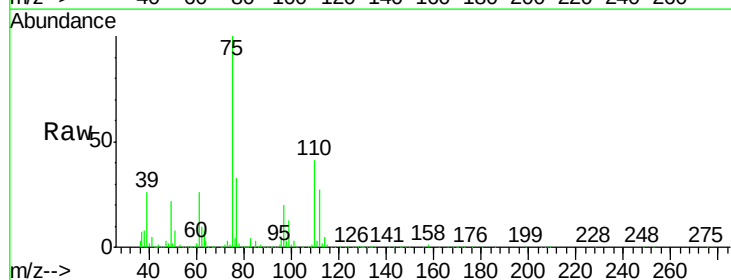
RT: 11.29 min Scan# 1663

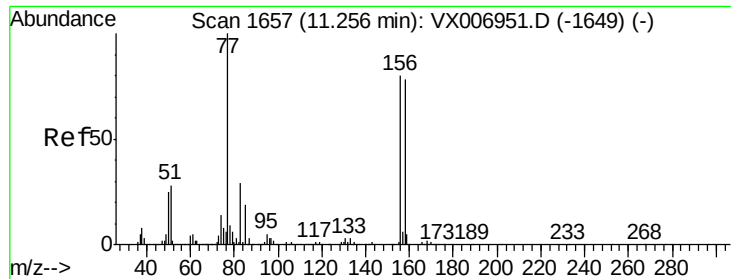
Delta R.T. -0.01 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Tgt Ion:	75	Resp:	134526
Ion Ratio	Lower	Upper	
75	100		
77	37.6	18.5	55.5





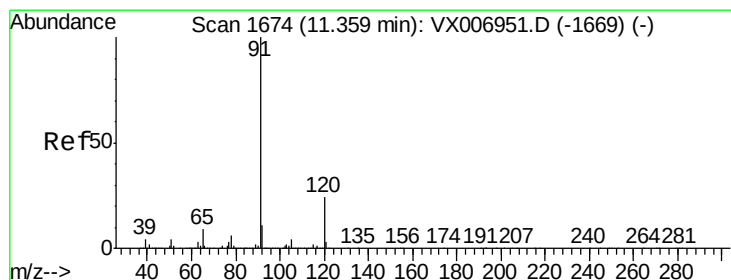
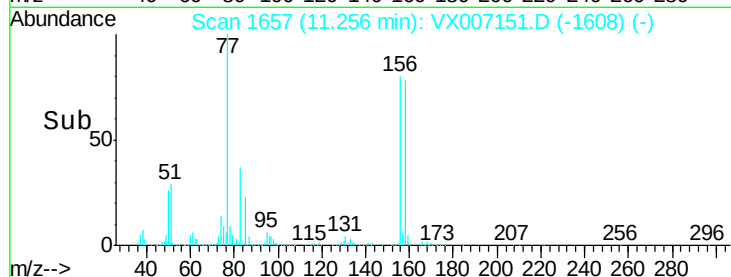
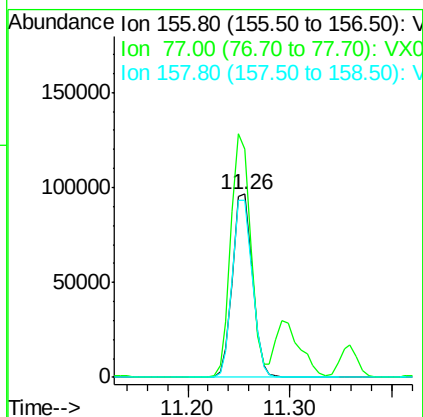
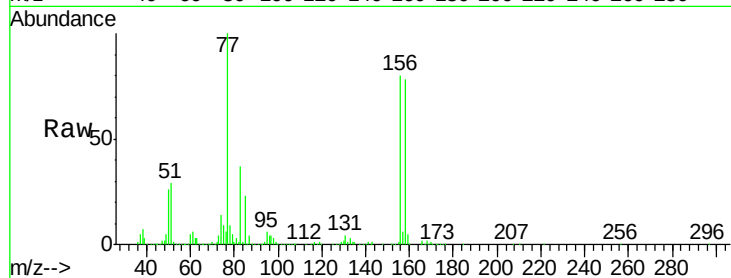
#77
Bromobenzene
Concen: 18.566 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	131.5	68.0	204.0
158	97.7	48.3	144.8

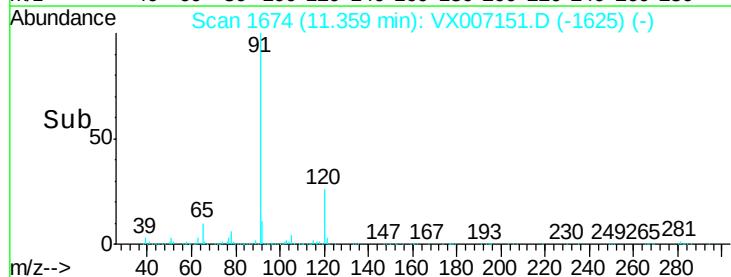
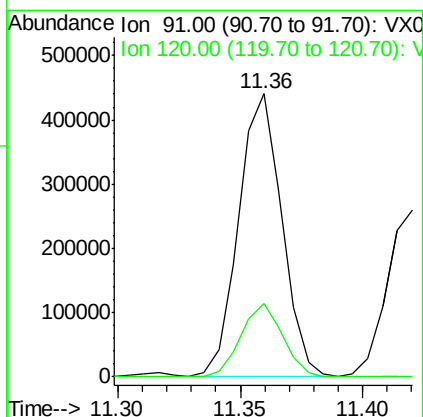
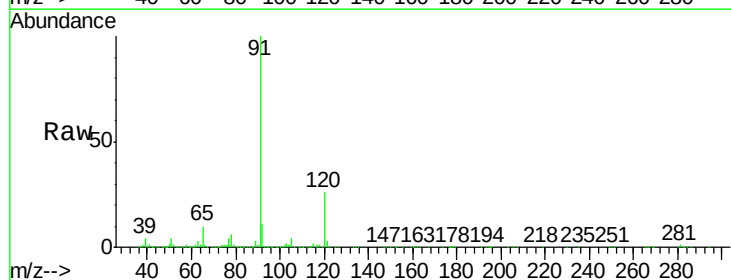
Manual Integrations
APPROVED

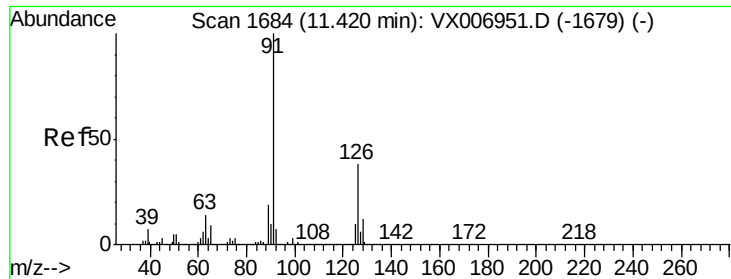
MMDadoda
1/22/2019 10:56:04 AM



#78
n-propylbenzene
Concen: 19.243 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.4	12.7	38.0





#79

2-Chlorotoluene

Concen: 19.091 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0121WBS01

Tot Ion: 91 Resp: 320504

Ion Ratio Lower Upper

91 100

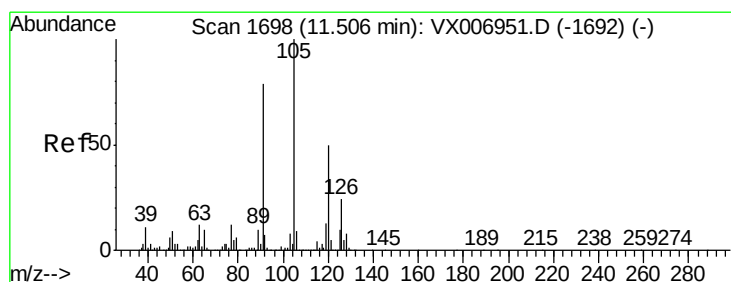
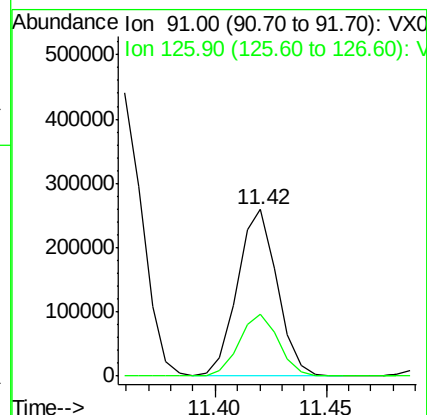
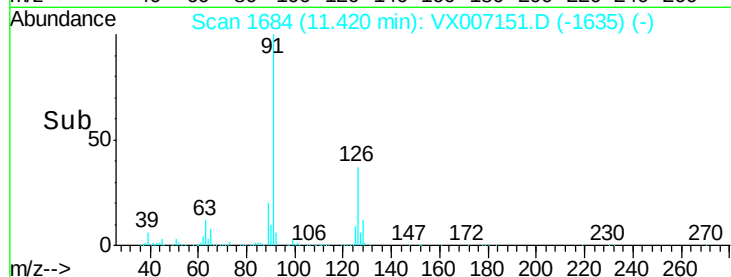
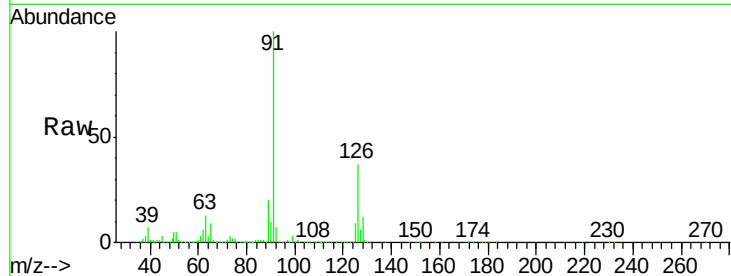
126 37.3 18.6 56.0

Manual Integrations

APPROVED

MMDadoda

1/22/2019 10:56:04 AM



#80

1,3,5-Trimethylbenzene

Concen: 18.728 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007151.D

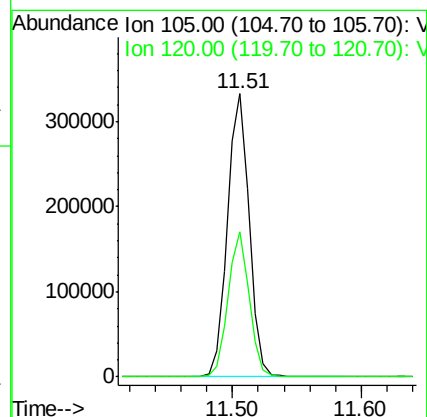
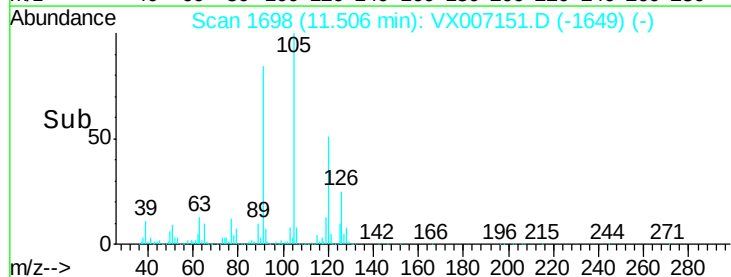
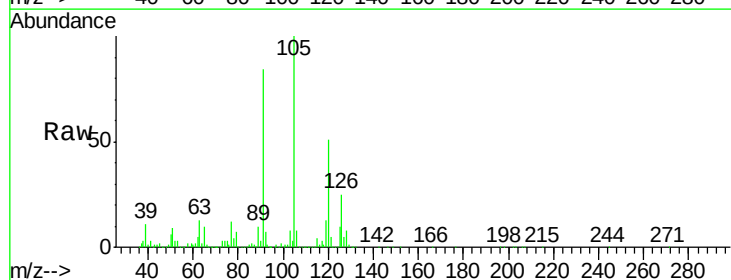
Acq: 21 Jan 2019 11:50

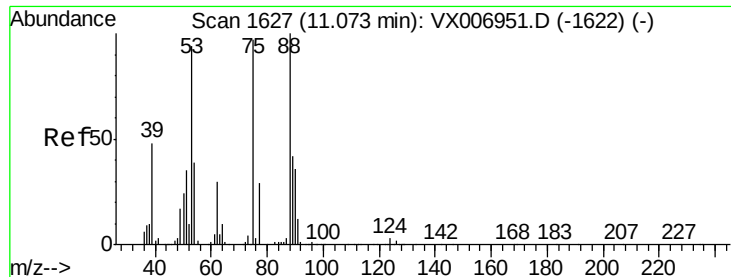
Tgt Ion: 105 Resp: 397548

Ion Ratio Lower Upper

105 100

120 50.0 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 16.802 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Instrument :

MSVOA_X

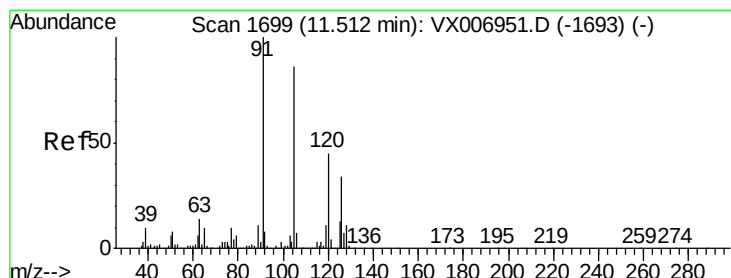
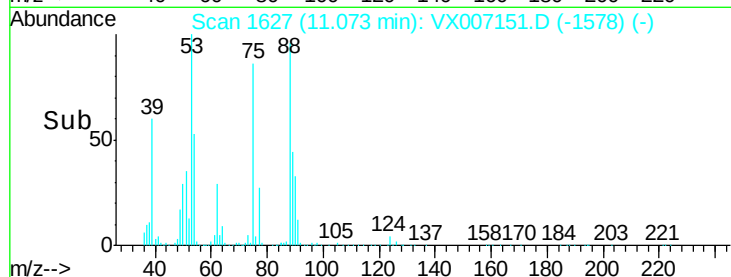
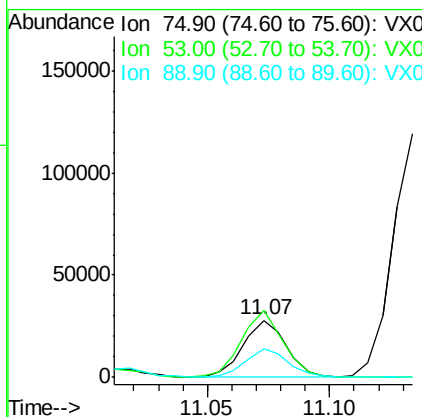
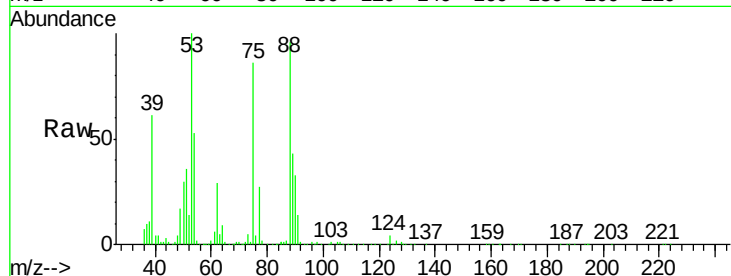
ClientSampleId :

VX0121WBS01

Tot Ion:	75	Resp:	34076
Ion Ratio	Lower	Upper	
75	100		
53	112.2	79.7	119.5
89	52.4	38.0	57.0

Manual Integrations
APPROVED

MMDadoda
1/22/2019 10:56:04 AM



#82

4-Chlorotoluene

Concen: 19.075 ug/l

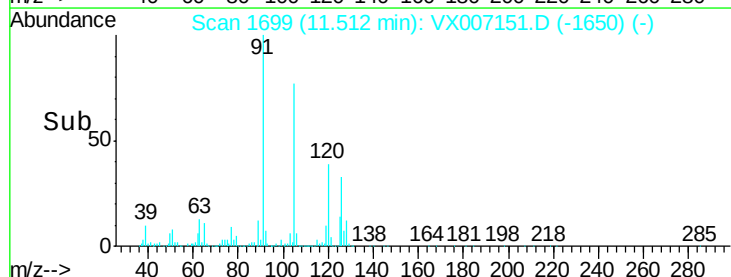
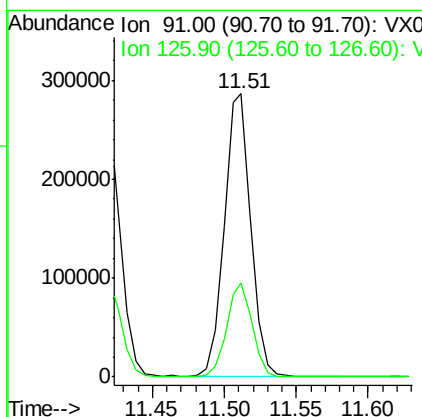
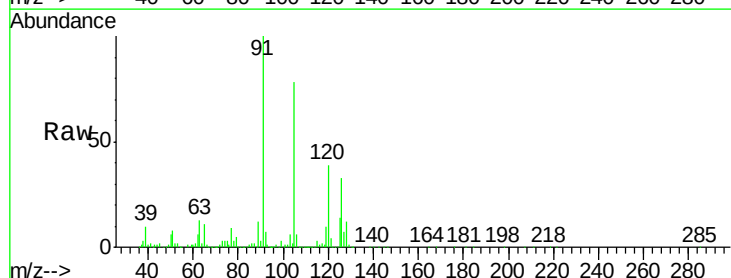
RT: 11.51 min Scan# 1699

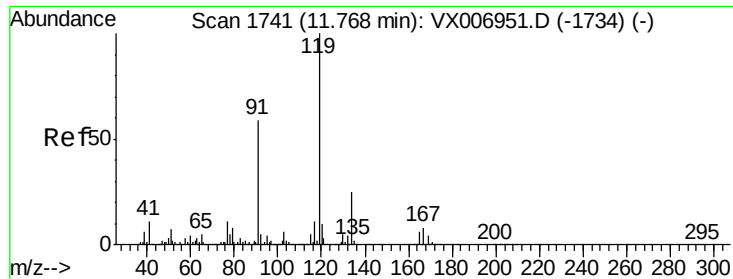
Delta R.T. 0.00 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Tgt Ion:	91	Resp:	370773
Ion Ratio	Lower	Upper	
91	100		
126	32.1	16.3	48.9





#83

tert-Butylbenzene

Concen: 18.390 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Instrument :

MSVOA_X

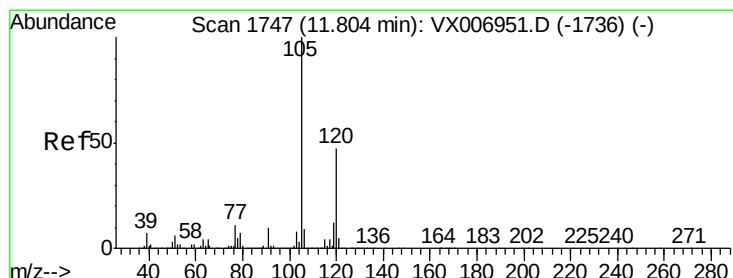
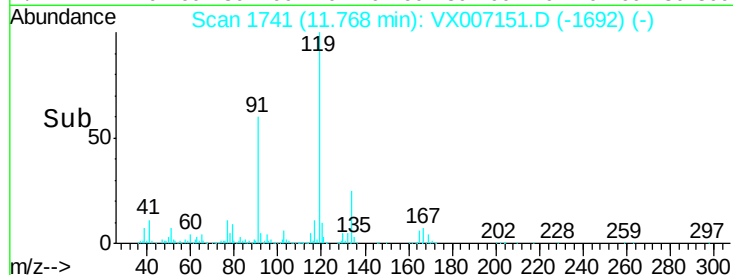
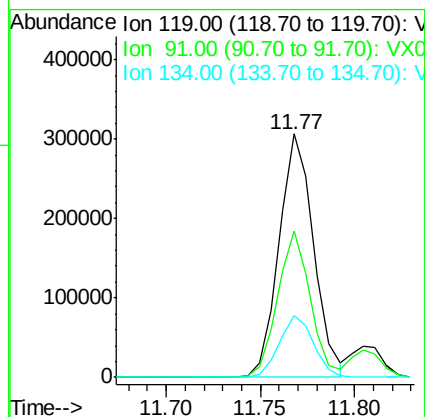
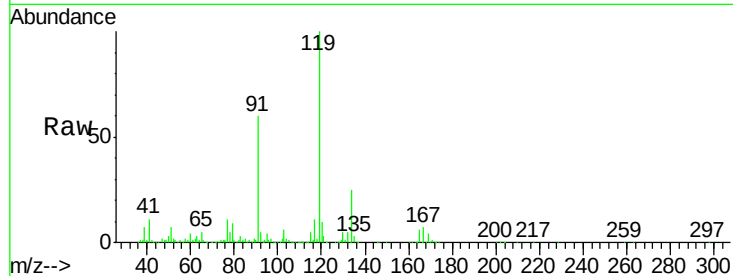
ClientSampleId :

VX0121WBS01

Tot Ion:	119	Resp:	389483
Ion Ratio	Lower	Upper	
119	100		
91	56.9	27.7	83.1
134	25.1	11.9	35.5

Manual Integrations
APPROVED

MMDadoda
1/22/2019 10:56:04 AM



#84

1,2,4-Trimethylbenzene

Concen: 19.078 ug/l

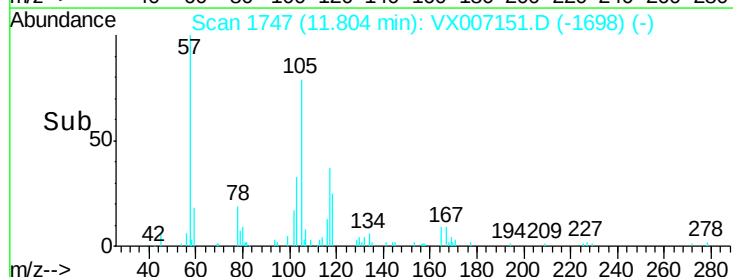
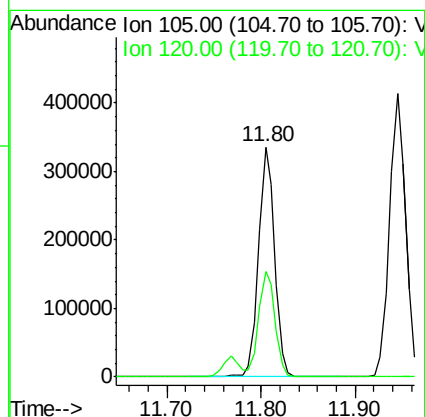
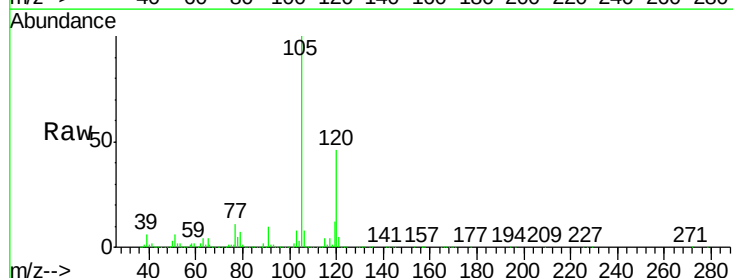
RT: 11.80 min Scan# 1747

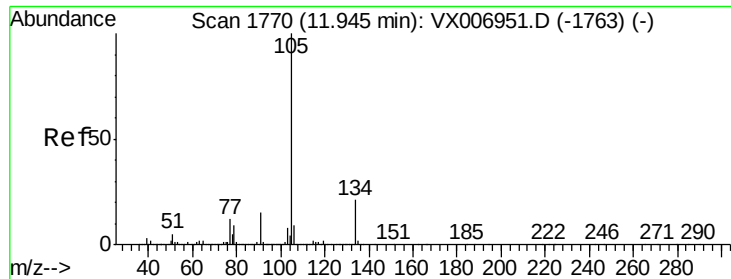
Delta R.T. 0.00 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Tgt Ion:	105	Resp:	407253
Ion Ratio	Lower	Upper	
105	100		
120	46.5	23.2	69.6





#85

sec-Butylbenzene

Concen: 19.341 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0121WBS01

Tot Ion:105 Resp: 489210

Ion Ratio Lower Upper

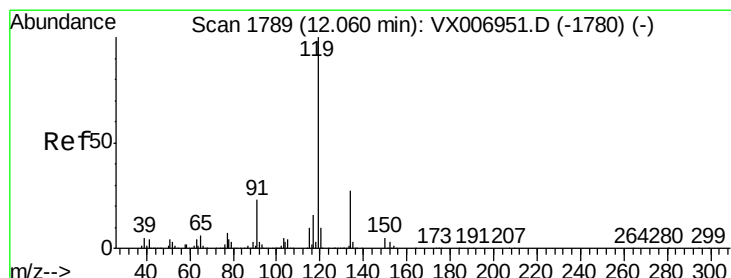
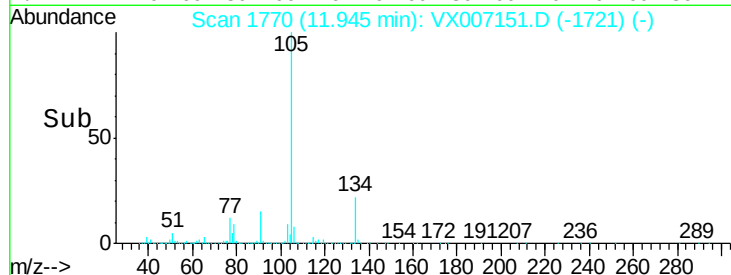
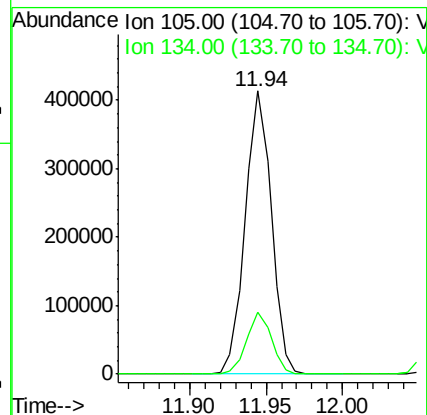
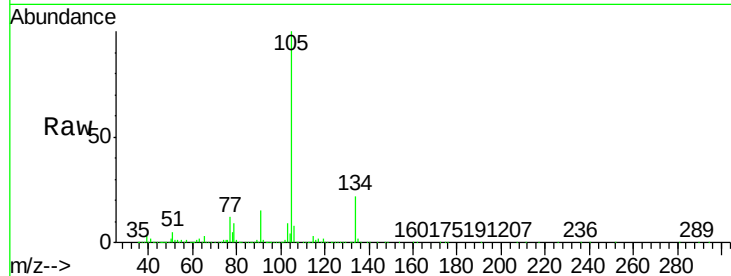
105 100

134 21.1 10.7 31.9

Manual Integrations
APPROVED

MMDadoda

1/22/2019 10:56:04 AM



#86

p-Isopropyltoluene

Concen: 19.447 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

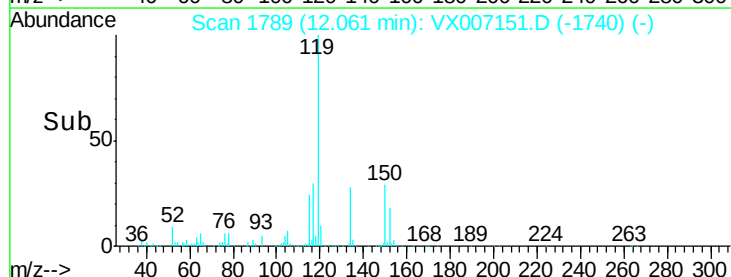
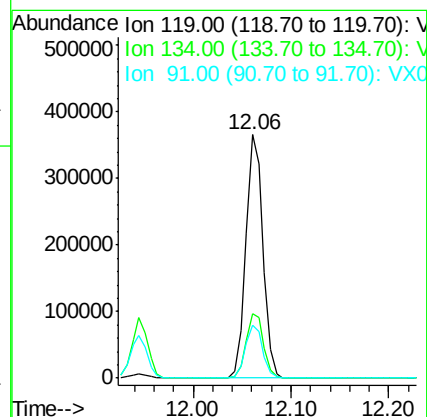
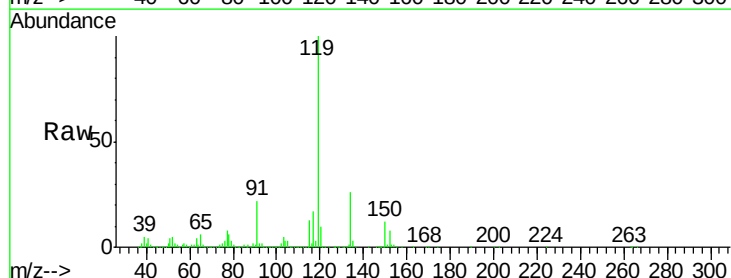
Tgt Ion:119 Resp: 439978

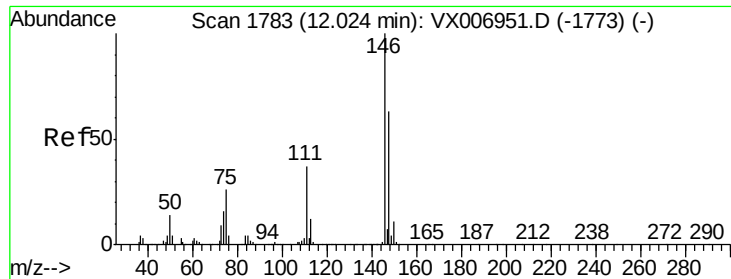
Ion Ratio Lower Upper

119 100

134 27.0 14.0 41.9

91 22.2 11.3 33.9





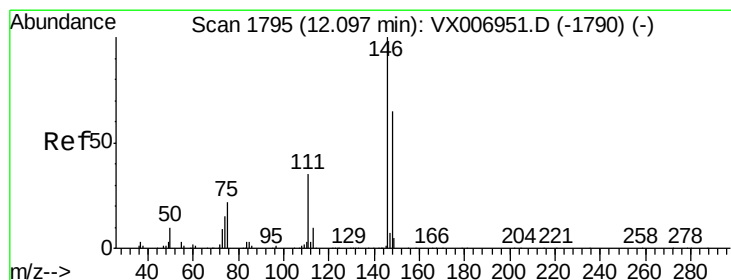
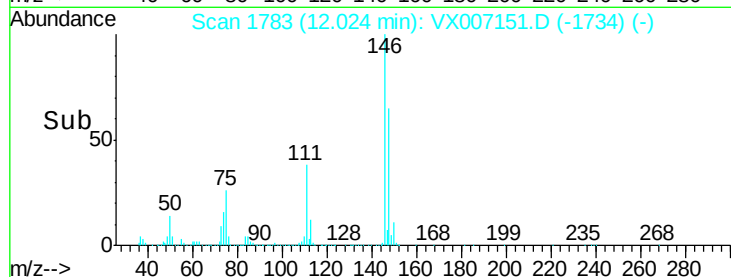
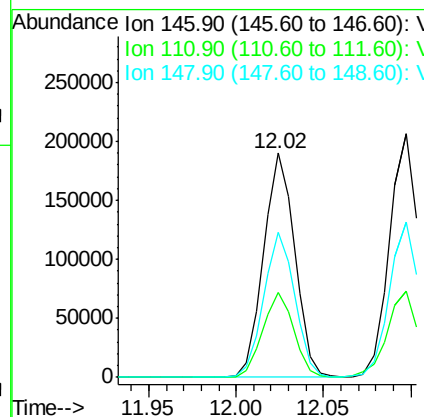
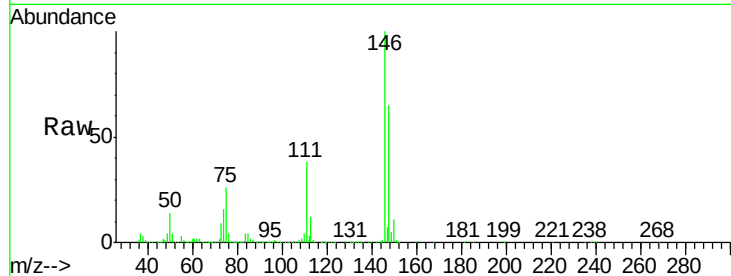
#87
 1,3-Dichlorobenzene
 Concen: 18.639 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007151.D
 Acq: 21 Jan 2019 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0121WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.6	55.8
148	64.7	31.8	95.3

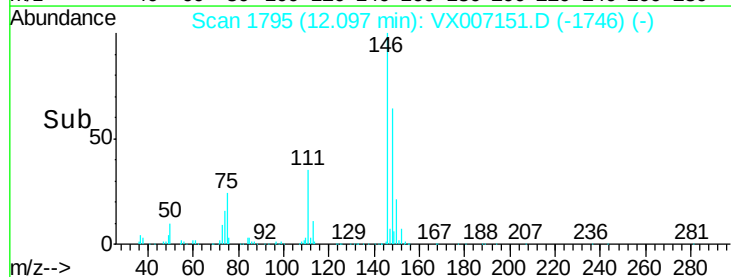
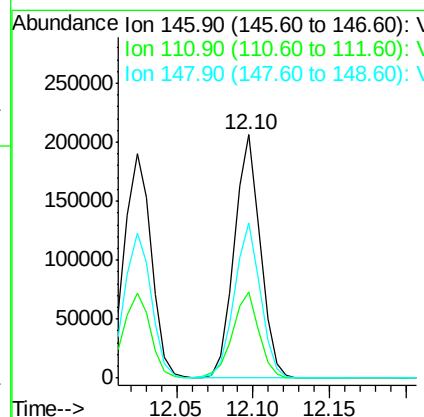
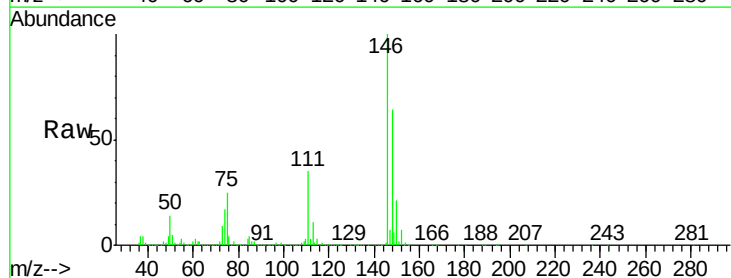
Manual Integrations
 APPROVED

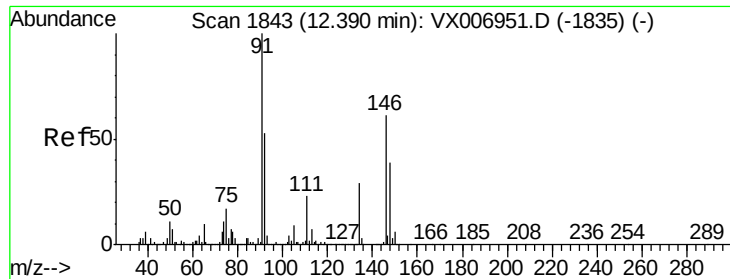
MMDadoda
 1/22/2019 10:56:04 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.345 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007151.D
 Acq: 21 Jan 2019 11:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.1	54.1
148	64.3	31.9	95.9





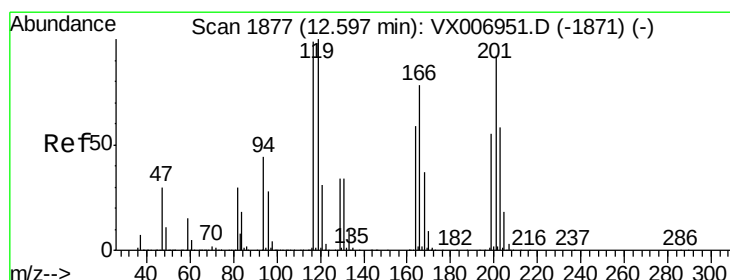
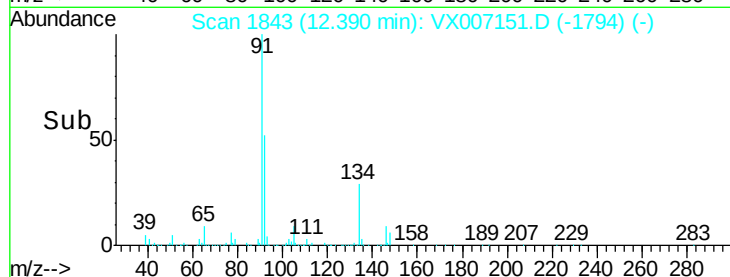
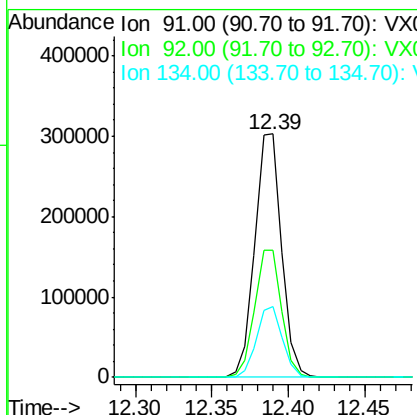
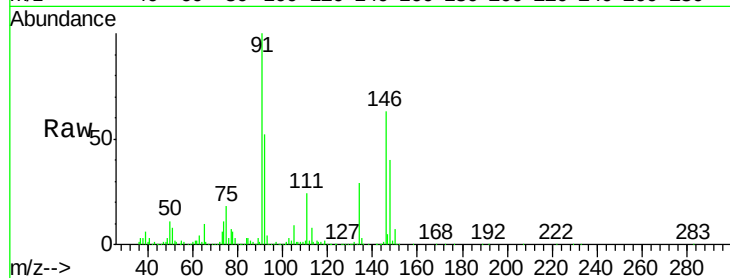
#89
n-Butylbenzene
Concen: 19.211 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.8	80.4
134	28.5	14.4	43.2

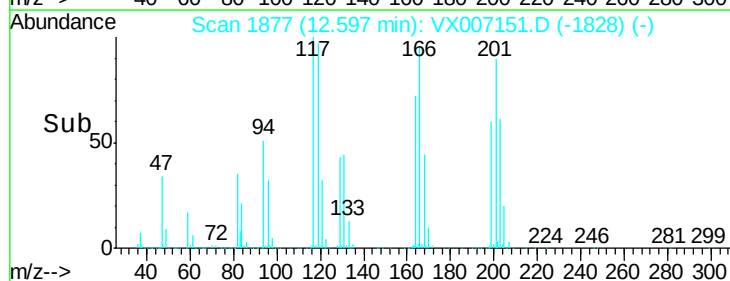
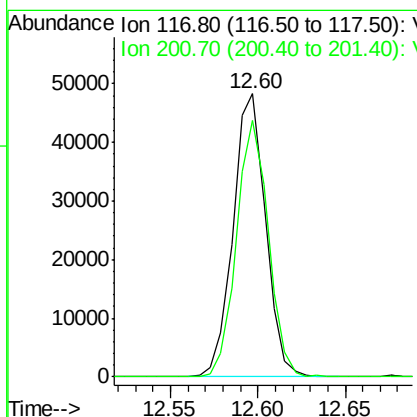
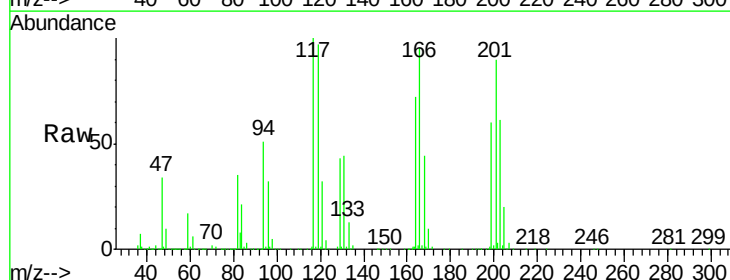
Manual Integrations
APPROVED

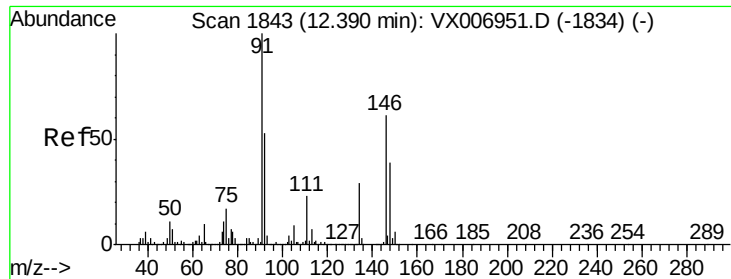
MMDadoda
1/22/2019 10:56:04 AM



#90
Hexachloroethane
Concen: 19.185 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.5	42.9	128.7





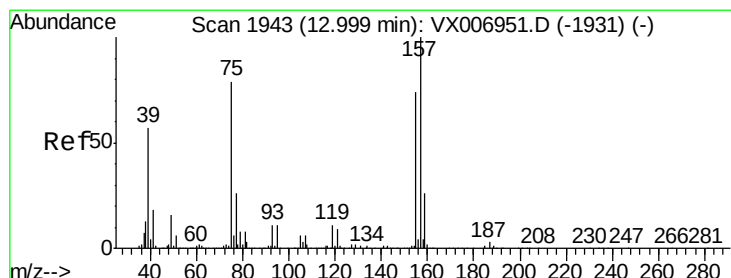
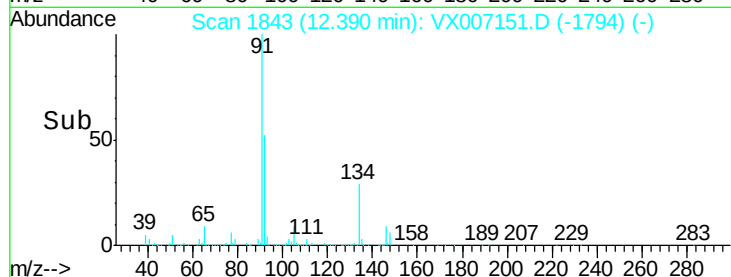
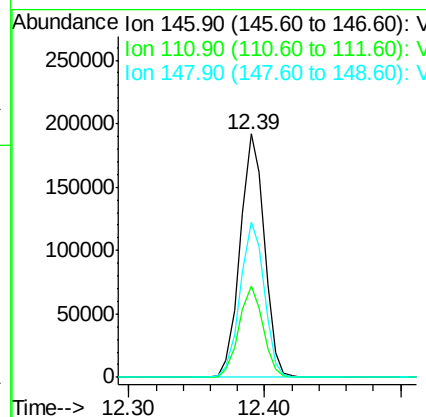
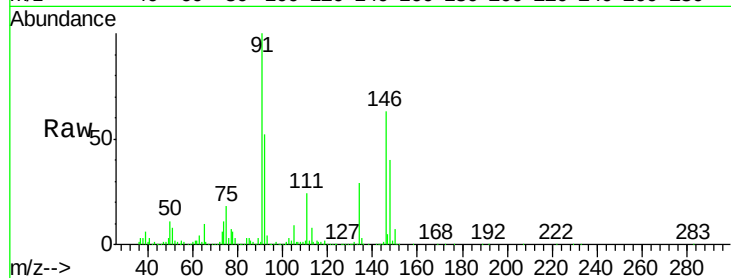
#91
1,2-Dichlorobenzene
Concen: 19.008 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Instrument :
MSVOA_X
ClientSampled :
VX0121WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.4	58.2
148	63.6	32.3	96.9

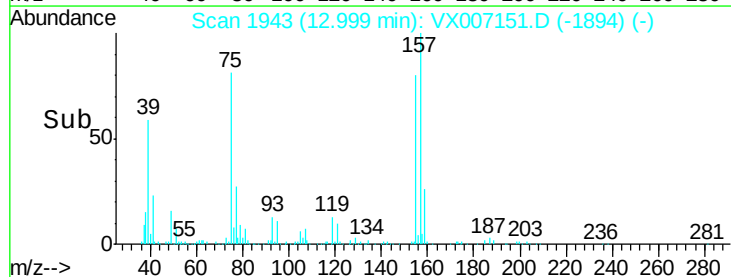
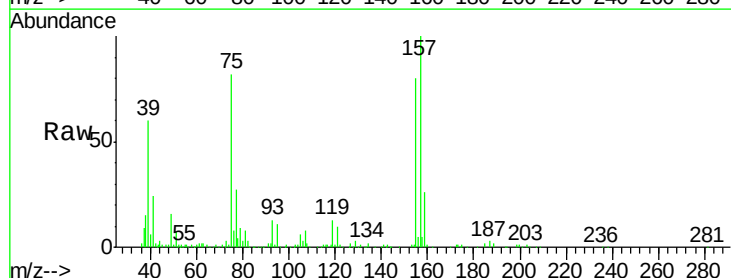
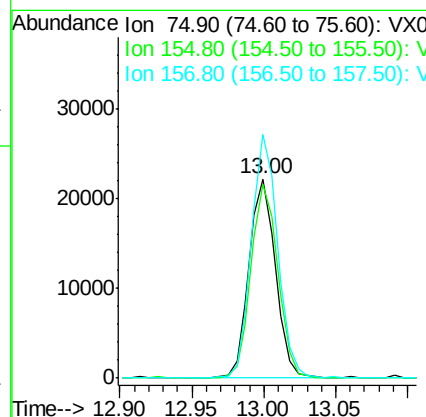
Manual Integrations
APPROVED

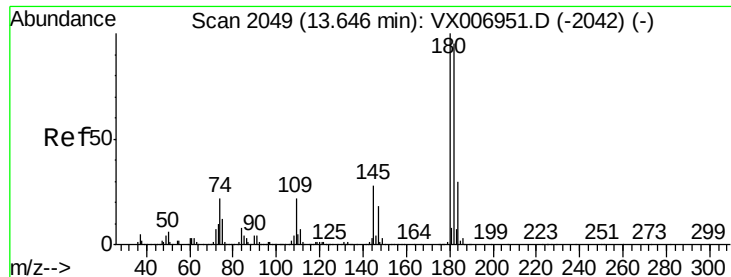
MMDadoda
1/22/2019 10:56:04 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 17.692 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VX007151.D
Acq: 21 Jan 2019 11:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.4	50.6	151.8
157	120.9	64.6	193.8





#93

1,2,4-Trichlorobenzene

Concen: 19.230 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Instrument :

MSVOA_X

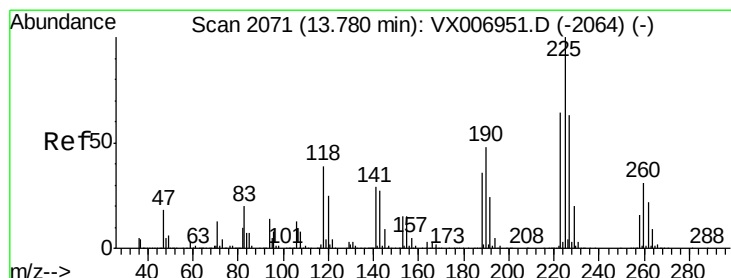
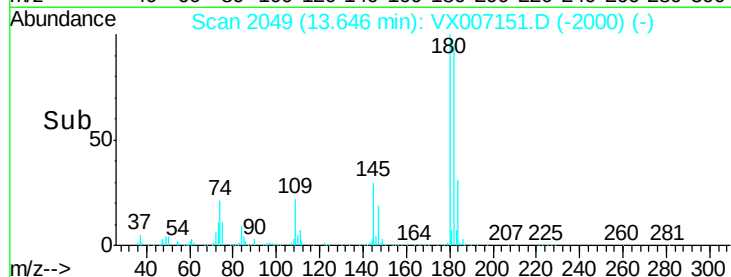
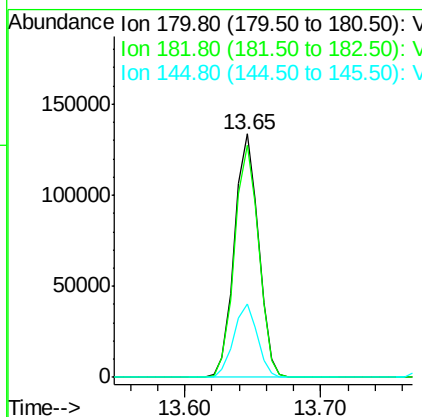
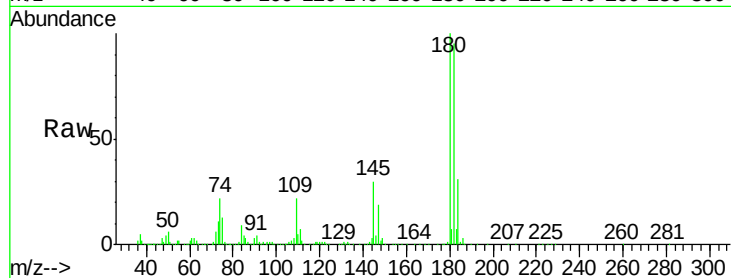
ClientSampleId :

VX0121WBS01

Tot Ion:	180	Resp:	164734
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.3	142.0
145	29.7	14.8	44.3

Manual Integrations
APPROVED

MMDadoda
1/22/2019 10:56:04 AM



#94

Hexachlorobutadiene

Concen: 20.816 ug/l

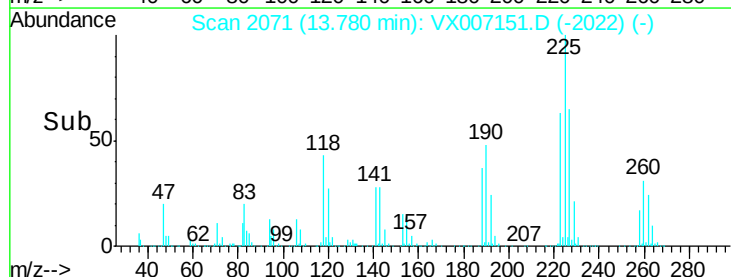
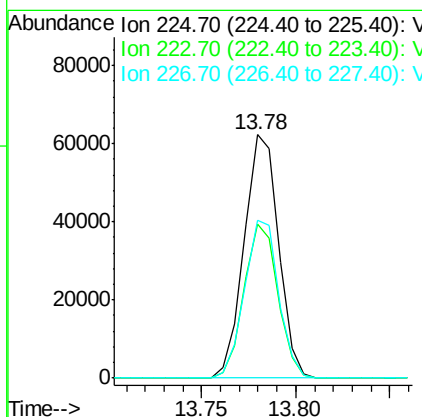
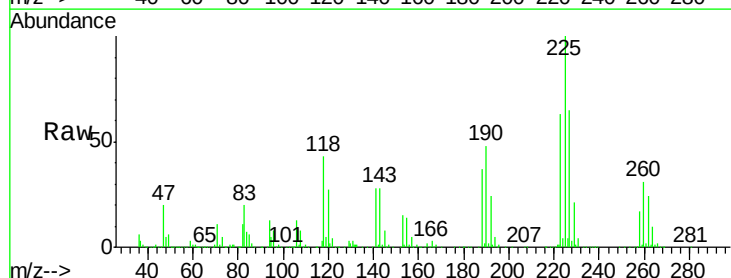
RT: 13.78 min Scan# 2071

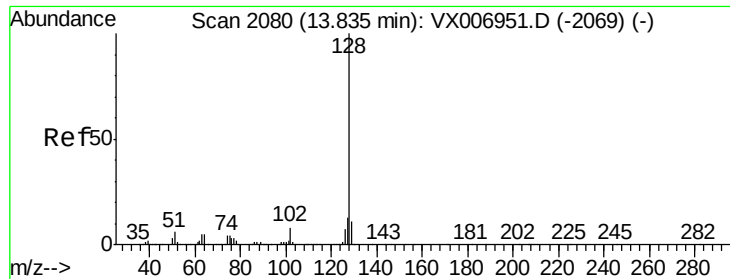
Delta R.T. 0.00 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Tgt Ion:	225	Resp:	79129
Ion Ratio	Lower	Upper	
225	100		
223	62.4	32.1	96.3
227	64.3	32.3	96.8





#95

Naphthalene

Concen: 18.283 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Instrument :

MSVOA_X

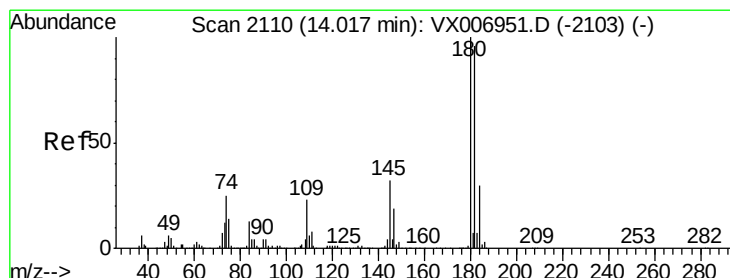
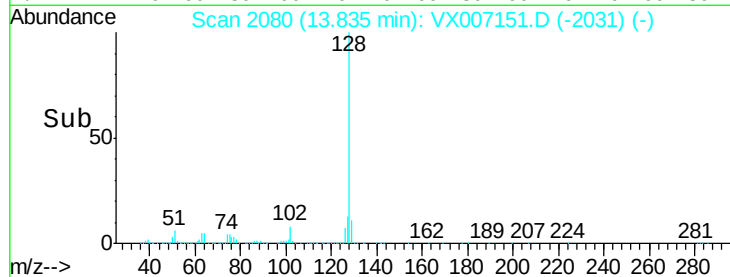
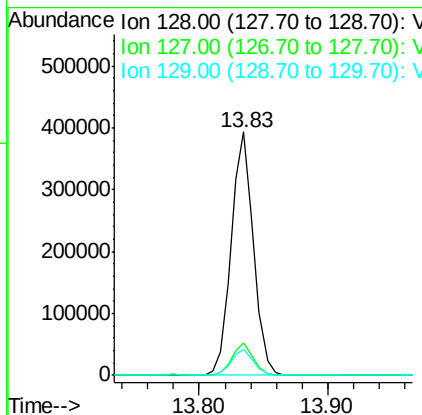
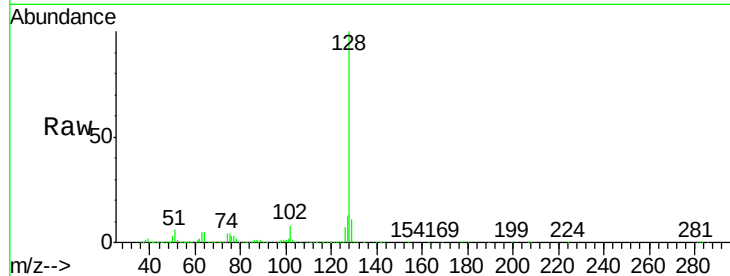
ClientSampled :

VX0121WBS01

Tot Ion:	128	Resp:	474597
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.1	15.1
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/22/2019 10:56:04 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.214 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007151.D

Acq: 21 Jan 2019 11:50

Tgt Ion:	180	Resp:	163502
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.5	145.5
145	30.2	16.0	47.9

