

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060719\
 Data File : VX010105.D
 Acq On : 07 Jun 2019 13:04
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 10:53:40 AM

Quant Time: Jun 07 13:29:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 13:13:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	325154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	494784	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	447111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	215292	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	308980	100.59	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	201.18%	
35) Dibromofluoromethane	5.50	113	297033	99.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	198.50%	
50) Toluene-d8	8.71	98	1119059	98.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	196.66%	
62) 4-Bromofluorobenzene	11.13	95	413830	97.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	194.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	325050	100.681	ug/l	99
3) Chloromethane	1.32	50	291505	98.641	ug/l	99
4) Vinyl Chloride	1.41	62	286893	103.296	ug/l	100
5) Bromomethane	1.64	94	94835	91.512	ug/l	98
6) Chloroethane	1.71	64	139246	89.792	ug/l	98
7) Trichlorofluoromethane	1.92	101	408331	100.506	ug/l	100
8) Diethyl Ether	2.19	74	137222	101.753	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	2.37	101	276888	101.122	ug/l	92
10) Methyl Iodide	2.51	142	466138	103.198	ug/l	96
11) Tert butyl alcohol	3.06	59	376157	489.611	ug/l	99
12) 1,1-Dichloroethene	2.37	96	284336	100.708	ug/l #	79
13) Acrolein	2.29	56	71515	462.996	ug/l	98
14) Allyl chloride	2.72	41	431255	101.837	ug/l #	87
15) Acrylonitrile	3.15	53	790041	507.091	ug/l	99
16) Acetone	2.45	43	712563	496.467	ug/l	89
17) Carbon Disulfide	2.56	76	806488	101.461	ug/l	99
18) Methyl Acetate	2.78	43	317312	102.813	ug/l #	84
19) Methyl tert-butyl Ether	3.20	73	920416	101.889	ug/l	93
20) Methylene Chloride	2.85	84	316086	101.721	ug/l #	77
21) trans-1,2-Dichloroethene	3.16	96	301470	98.791	ug/l #	81
22) Diisopropyl ether	3.86	45	843518	101.527	ug/l #	79
23) Vinyl Acetate	3.82	43	3777933	504.551	ug/l #	88
24) 1,1-Dichloroethane	3.70	63	501357	102.577	ug/l	96
25) 2-Butanone	4.68	43	1114530	507.418	ug/l #	83
26) 2,2-Dichloropropane	4.58	77	452283	100.527	ug/l	95
27) cis-1,2-Dichloroethene	4.59	96	355322	102.065	ug/l	80
28) Bromochloromethane	5.02	49	231433	104.801	ug/l #	49
29) Tetrahydrofuran	5.13	42	693728	511.161	ug/l #	75
30) Chloroform	5.21	83	529435	102.300	ug/l	98
31) Cyclohexane	5.58	56	464107	101.739	ug/l #	76
32) 1,1,1-Trichloroethane	5.49	97	484672	102.748	ug/l	94
36) 1,1-Dichloropropene	5.80	75	395797	102.404	ug/l	93
37) Ethyl Acetate	4.84	43	418401	102.832	ug/l #	92
38) Carbon Tetrachloride	5.78	117	441436	100.819	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060719\
 Data File : VX010105.D
 Acq On : 07 Jun 2019 13:04
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 10:53:40 AM

Quant Time: Jun 07 13:29:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 13:13:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	527390	100.804	ug/l #	83
40) Benzene	6.14	78	1231156	101.233	ug/l	100
41) Methacrylonitrile	5.04	41	224267	100.910	ug/l #	84
42) 1,2-Dichloroethane	6.19	62	394244	101.993	ug/l	95
43) Isopropyl Acetate	6.45	43	694045	102.384	ug/l #	89
44) Trichloroethene	7.21	130	361891	100.851	ug/l	88
45) 1,2-Dichloropropane	7.51	63	307567	101.170	ug/l	99
46) Dibromomethane	7.66	93	223945	102.298	ug/l	92
47) Bromodichloromethane	7.90	83	435541	102.018	ug/l #	99
48) Methyl methacrylate	7.77	41	331540	100.917	ug/l #	78
49) 1,4-Dioxane	7.74	88	174868	1935.525	ug/l #	81
51) 4-Methyl-2-Pentanone	8.65	43	2008288	474.294	ug/l	89
52) Toluene	8.79	92	802903	101.846	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	510409	102.937	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	539171	102.526	ug/l #	90
55) 1,1,2-Trichloroethane	9.21	97	333836	101.168	ug/l	96
56) Ethyl methacrylate	9.18	69	525445	99.397	ug/l #	83
57) 1,3-Dichloropropane	9.37	76	518556	101.223	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1199810	475.538	ug/l #	87
59) 2-Hexanone	9.49	43	1585410	473.176	ug/l	88
60) Dibromochloromethane	9.59	129	397376	101.830	ug/l	100
61) 1,2-Dibromoethane	9.67	107	364402	100.672	ug/l	99
64) Tetrachloroethene	9.34	164	312201	100.359	ug/l	96
65) Chlorobenzene	10.14	112	895244	100.491	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	349968	101.945	ug/l	99
67) Ethyl Benzene	10.25	91	1523077	100.296	ug/l	94
68) m/p-Xylenes	10.36	106	1158284	197.075	ug/l	91
69) o-Xylene	10.69	106	571227	98.833	ug/l	90
70) Styrene	10.71	104	971899	96.756	ug/l	96
71) Bromoform	10.85	173	320520	100.634	ug/l #	98
73) Isopropylbenzene	11.02	105	1500313	103.000	ug/l	95
74) N-amyl acetate	10.90	43	597533	102.812	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.27	83	497861	100.963	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	411876m	100.019	ug/l	
77) Bromobenzene	11.26	156	406827	102.109	ug/l	84
78) n-propylbenzene	11.36	91	1688095	103.178	ug/l	94
79) 2-Chlorotoluene	11.42	91	991495	101.895	ug/l	92
80) 1,3,5-Trimethylbenzene	11.51	105	1232933	101.168	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	200805	104.593	ug/l #	83
82) 4-Chlorotoluene	11.51	91	1124708	99.960	ug/l	94
83) tert-Butylbenzene	11.77	119	1244839	100.987	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	1262178	102.183	ug/l	97
85) sec-Butylbenzene	11.94	105	1470380	101.983	ug/l	96
86) p-Isopropyltoluene	12.06	119	1345219	101.398	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	712710	101.234	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	708065	102.112	ug/l	98
89) n-Butylbenzene	12.38	91	1167689	101.582	ug/l	96
90) Hexachloroethane	12.60	117	272747	104.121	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	679740	99.724	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	120986	106.885	ug/l	72

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060719\
Data File : VX010105.D
Acq On : 07 Jun 2019 13:04
Operator : JC/SP
Sample : VSTDICC100
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

MMDadoda
6/10/2019 10:53:40 AM

Quant Time: Jun 07 13:29:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 07 13:13:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	507659	104.367	ug/l	99
94) Hexachlorobutadiene	13.78	225	220479	101.909	ug/l	99
95) Naphthalene	13.83	128	1627032	103.702	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	501401	104.005	ug/l	99

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

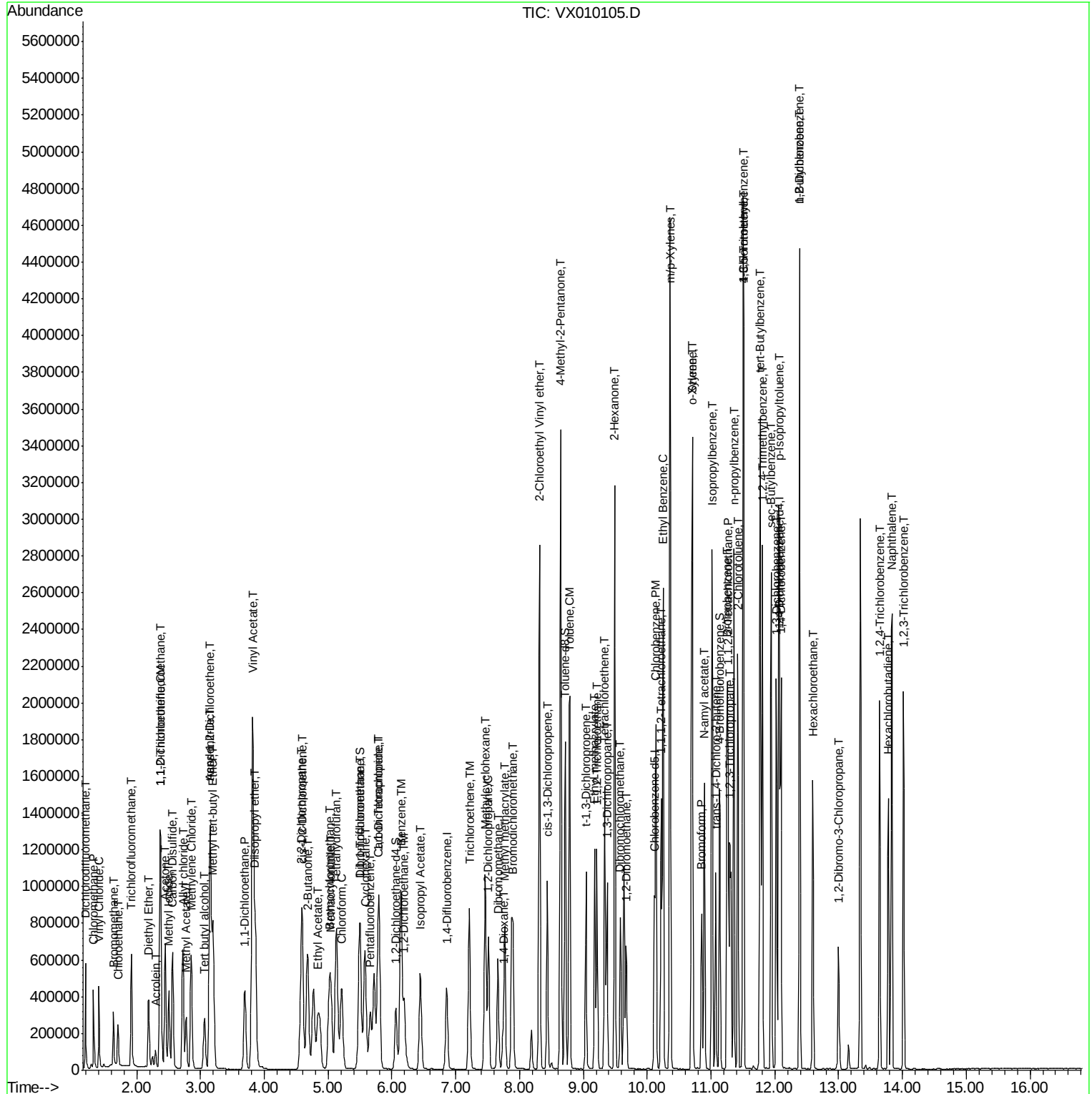
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060719\
Data File : VX010105.D
Acq On : 07 Jun 2019 13:04
Operator : JC/SP
Sample : VSTDIC100
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

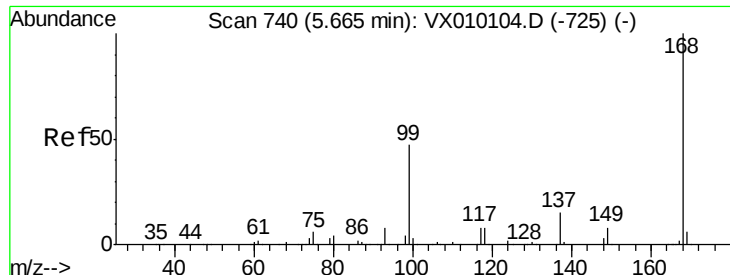
Instrument :
MSVOA_X
Client Sampled :
VSTDIC100

Manual Integrations
APPROVED

MMDadoda
6/10/2019 10:53:40 AM

Quant Time: Jun 07 13:29:17 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 07 13:13:19 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 325154

Ion Ratio Lower Upper

168 100

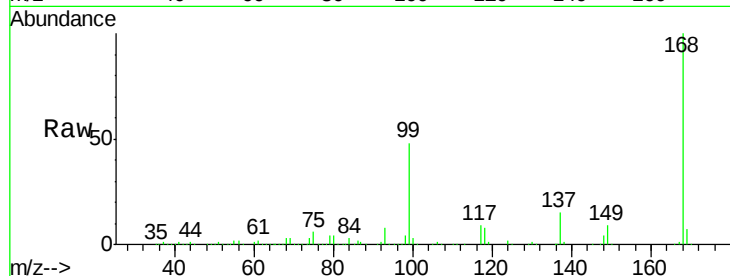
99 48.4 43.0 64.6

Manual Integrations

APPROVED

MMDadoda

6/10/2019 10:53:40 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

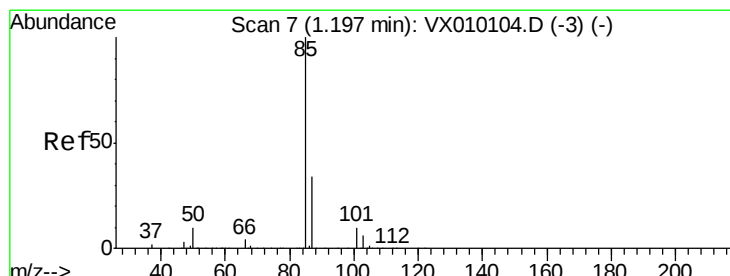
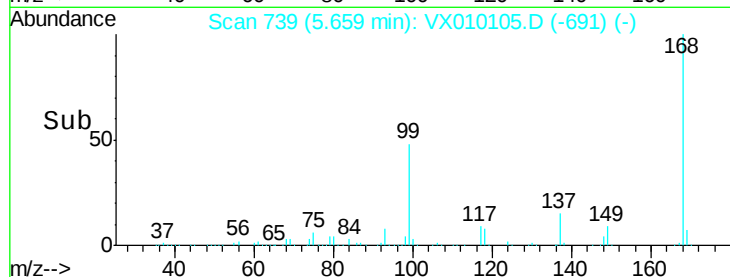
5.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 100.681 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010105.D

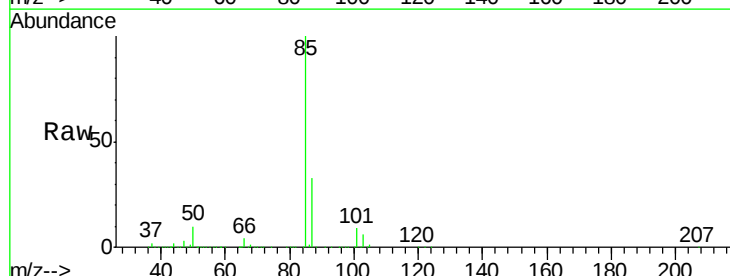
Acq: 07 Jun 2019 13:04

Tgt Ion: 85 Resp: 325050

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

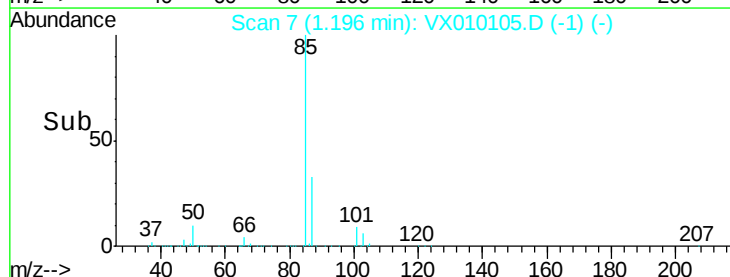
300000

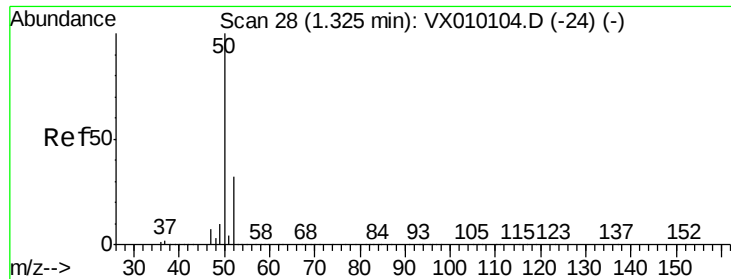
200000

100000

0

Time-->





#3

Chloromethane

Concen: 98.641 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 291505

Ion Ratio Lower Upper

50 100

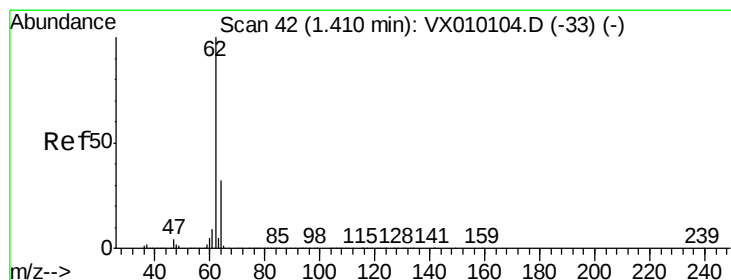
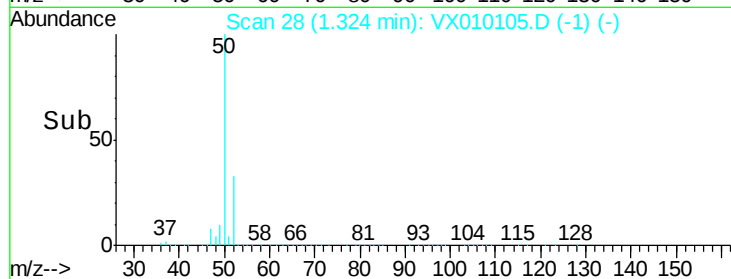
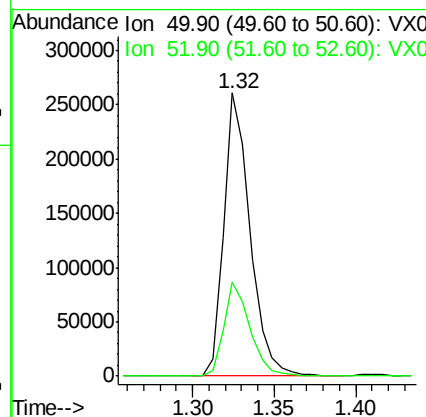
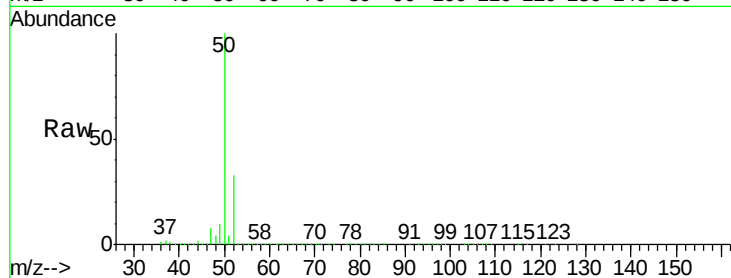
52 33.0 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

6/10/2019 10:53:40 AM



#4

Vinyl Chloride

Concen: 103.296 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010105.D

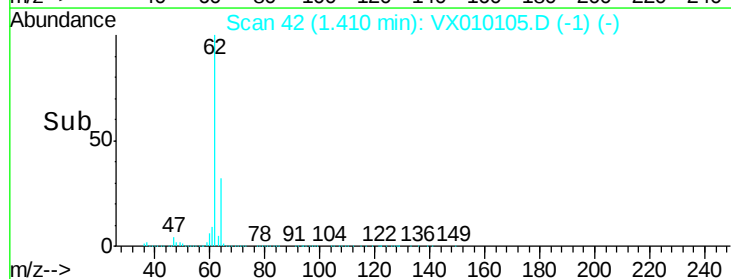
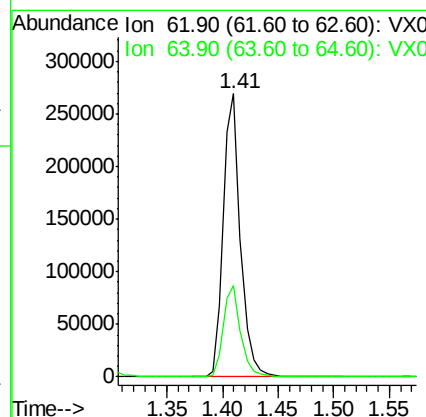
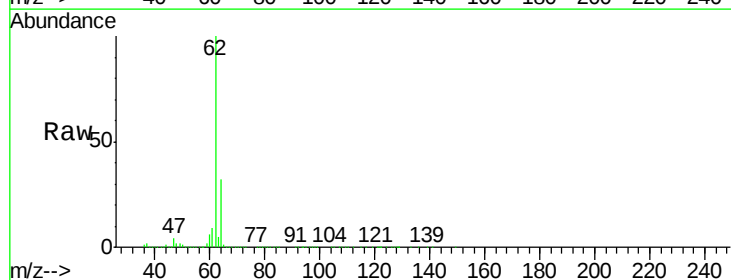
Acq: 07 Jun 2019 13:04

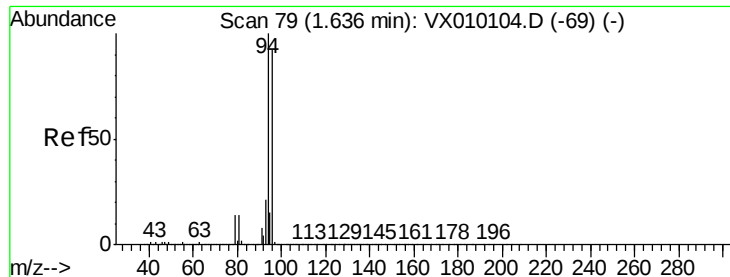
Tgt Ion: 62 Resp: 286893

Ion Ratio Lower Upper

62 100

64 32.1 25.7 38.5





#5

Bromomethane

Concen: 91.512 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 94835

Ion Ratio Lower Upper

94 100

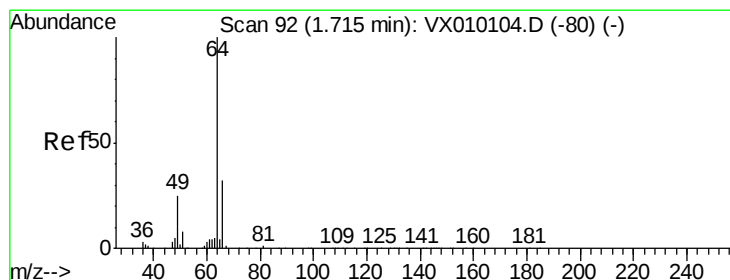
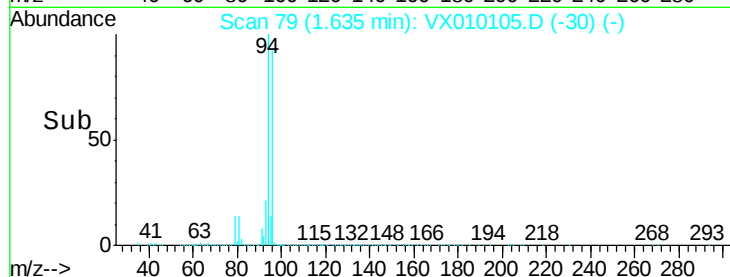
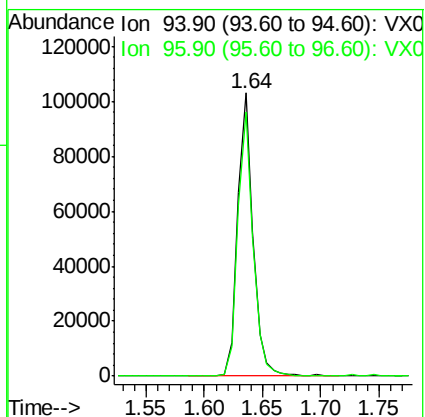
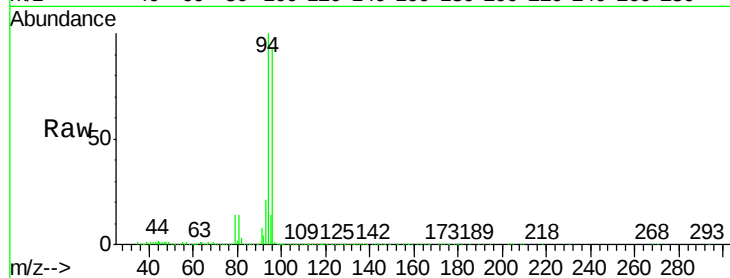
96 93.3 76.2 114.4

Manual Integrations

APPROVED

MMDadoda

6/10/2019 10:53:40 AM



#6

Chloroethane

Concen: 89.792 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX010105.D

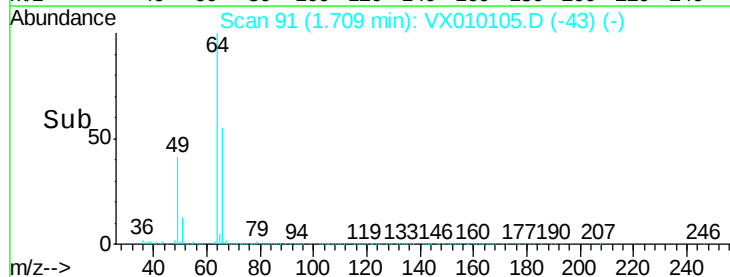
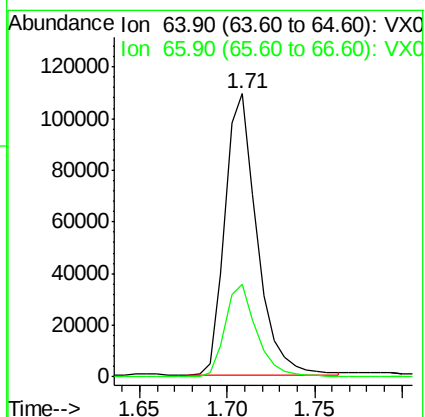
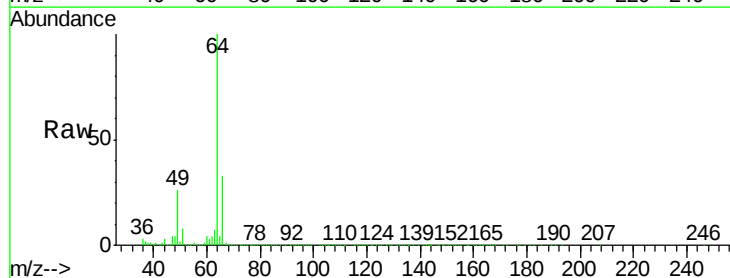
Acq: 07 Jun 2019 13:04

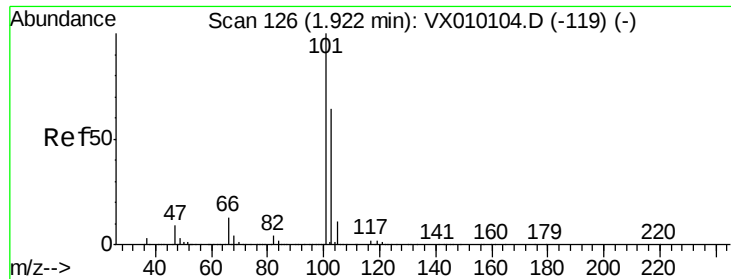
Tgt Ion: 64 Resp: 139246

Ion Ratio Lower Upper

64 100

66 32.6 25.1 37.7





#7

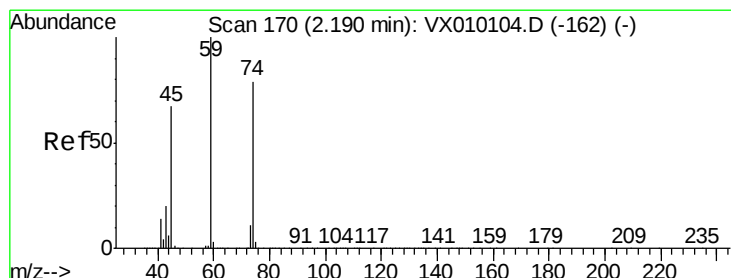
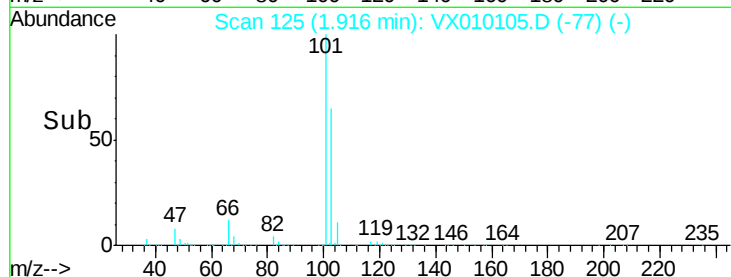
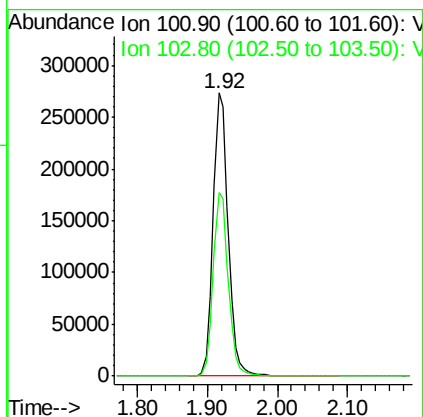
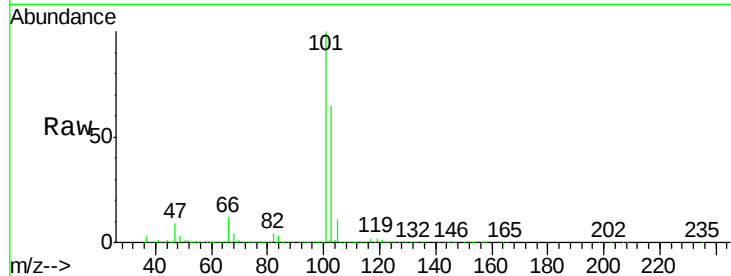
Trichlorofluoromethane
Concen: 100.506 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.2	78.4

Manual Integrations
APPROVED

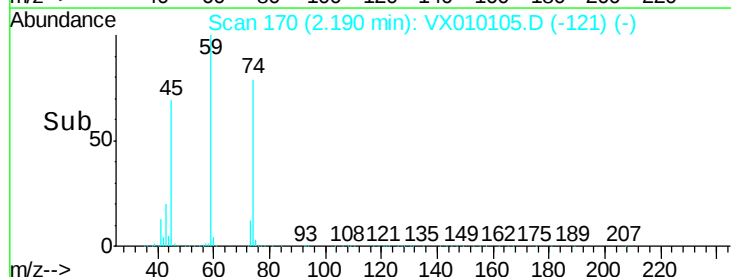
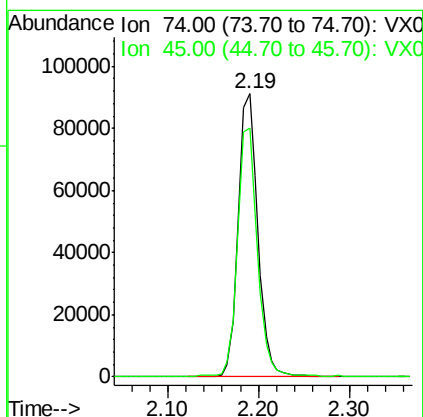
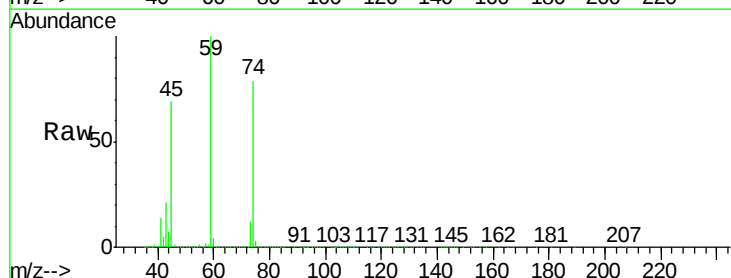
MMDadoda
6/10/2019 10:53:40 AM

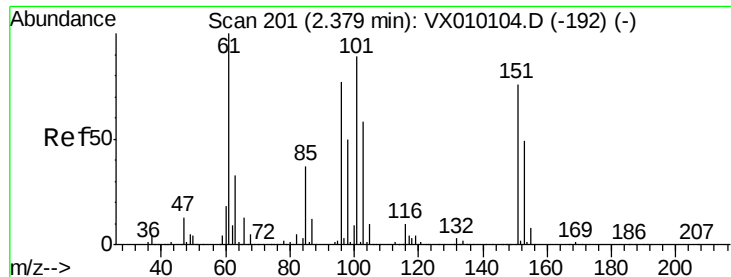


#8

Diethyl Ether
Concen: 101.753 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.8	56.1	168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 101.122 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Instrument :

MSVOA_X

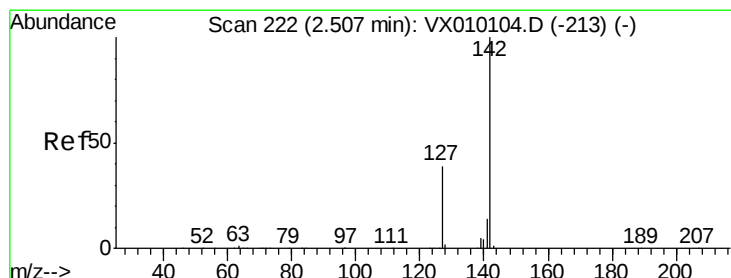
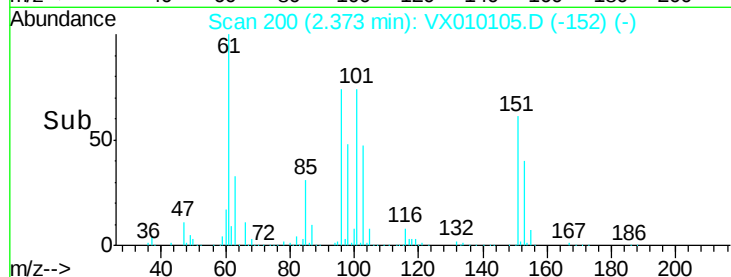
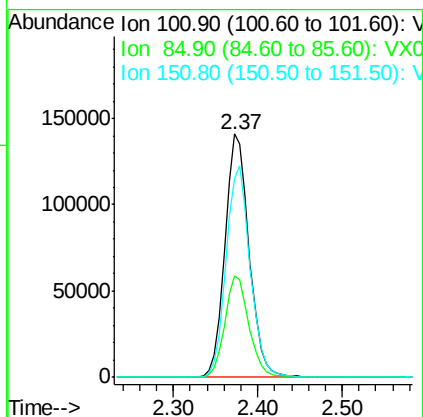
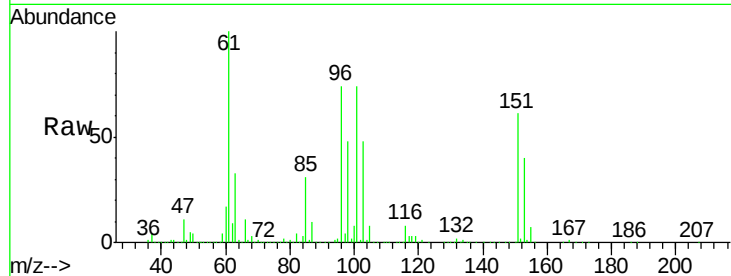
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	276888
Ion Ratio	Lower	Upper	
101	100		
85	41.4	35.2	52.8
151	86.8	61.9	92.9

Manual Integrations
APPROVED

MMDadoda
6/10/2019 10:53:40 AM



#10

Methyl Iodide

Concen: 103.198 ug/l

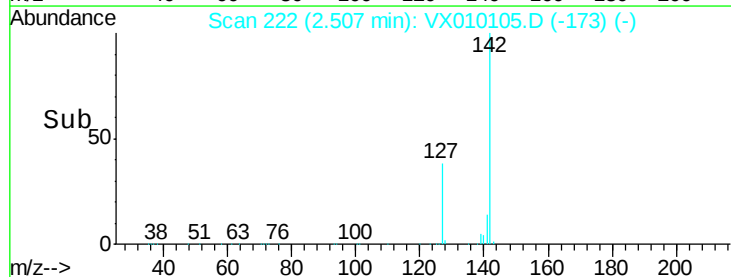
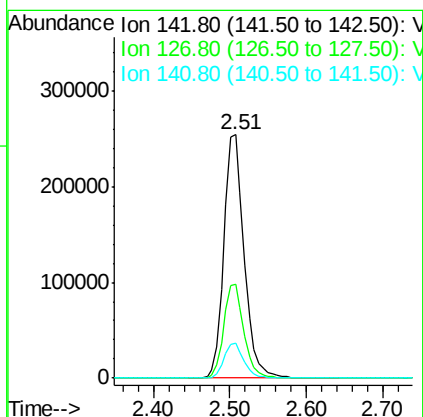
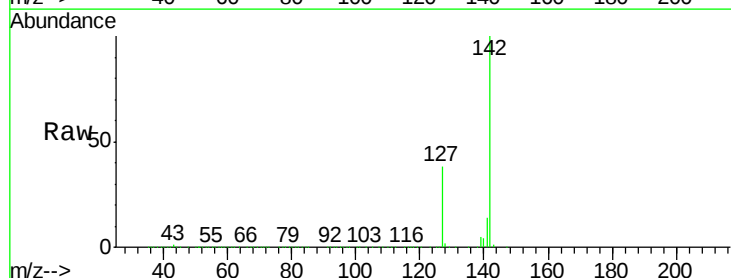
RT: 2.51 min Scan# 222

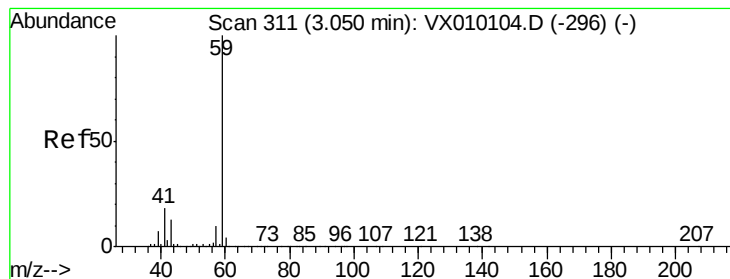
Delta R.T. -0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Tgt Ion:	142	Resp:	466138
Ion Ratio	Lower	Upper	
142	100		
127	38.3	33.0	49.4
141	14.0	11.4	17.0





#11

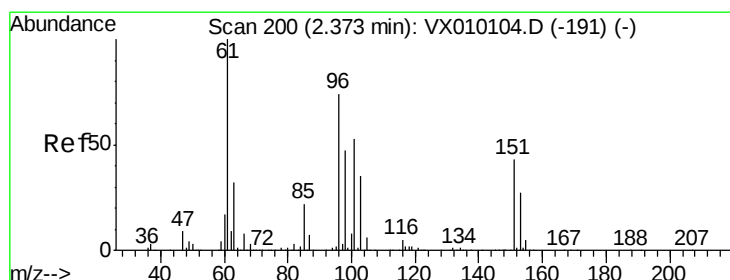
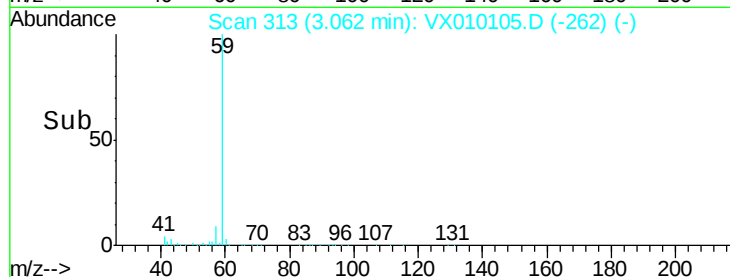
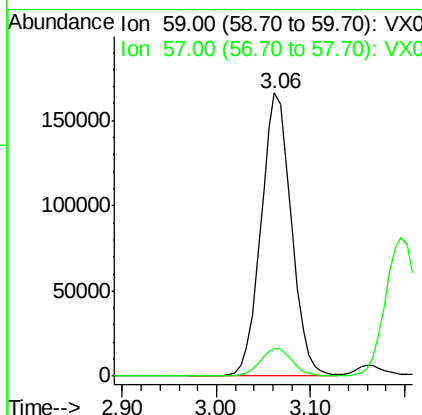
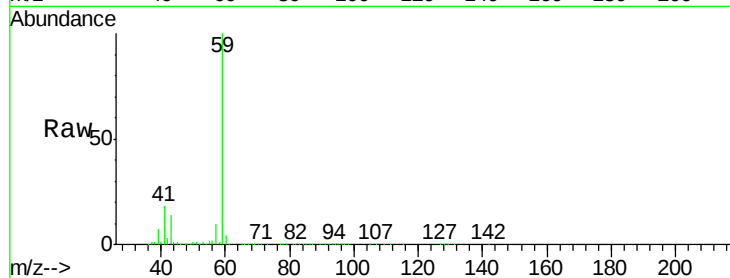
Tert butyl alcohol
Concen: 489.611 ug/l
RT: 3.06 min Scan# 313
Delta R.T. 0.01 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

Manual Integrations
APPROVED

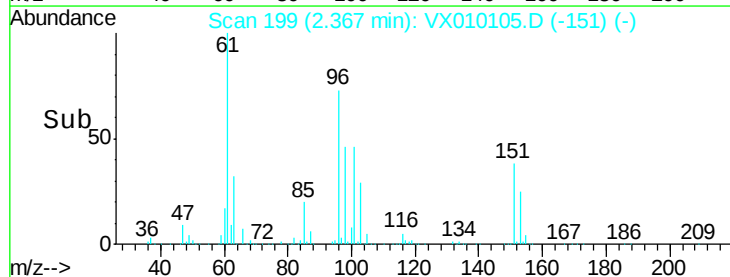
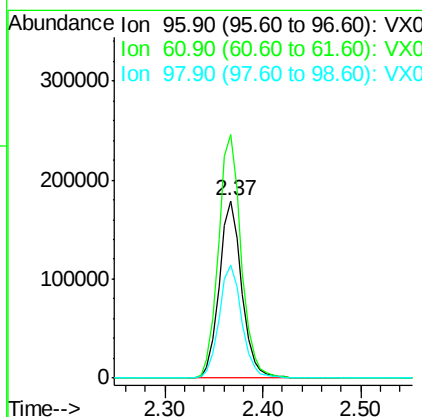
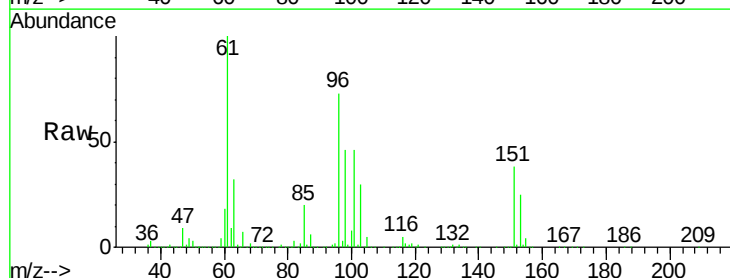
MMDadoda
6/10/2019 10:53:40 AM

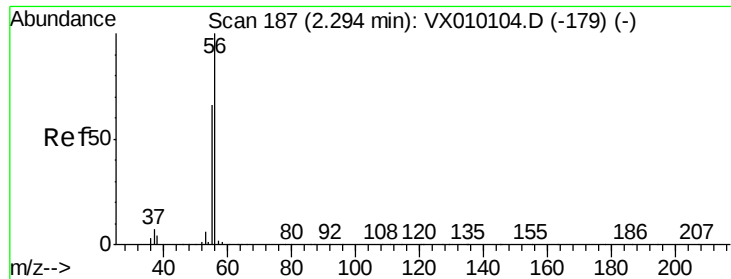


#12

1,1-Dichloroethene
Concen: 100.708 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.3	140.7	211.1#
98	63.7	50.1	75.1





#13

Acrolein

Concen: 462.996 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 71515

Ion Ratio Lower Upper

56 100

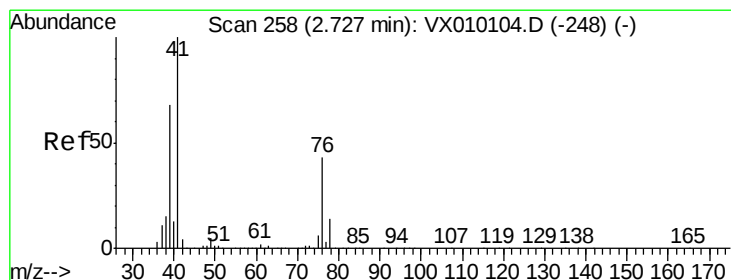
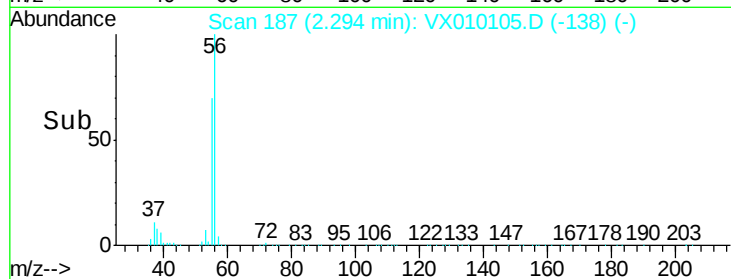
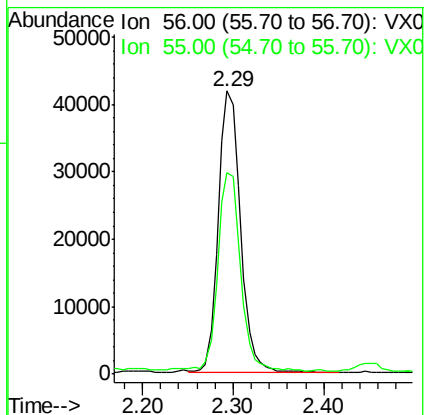
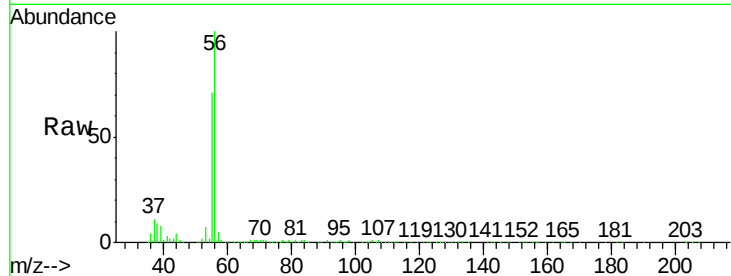
55 72.4 57.0 85.4

Manual Integrations

APPROVED

MMDadoda

6/10/2019 10:53:40 AM



#14

Allyl chloride

Concen: 101.837 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

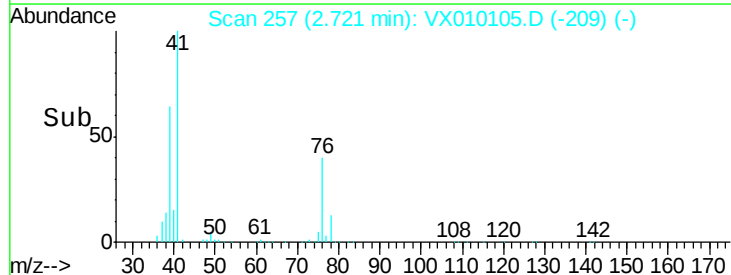
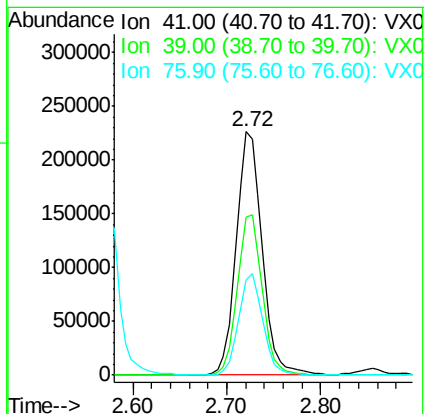
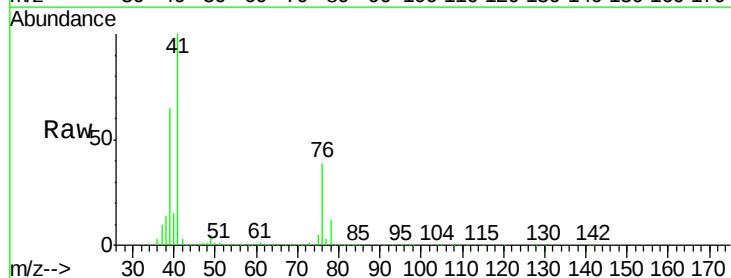
Tgt Ion: 41 Resp: 431255

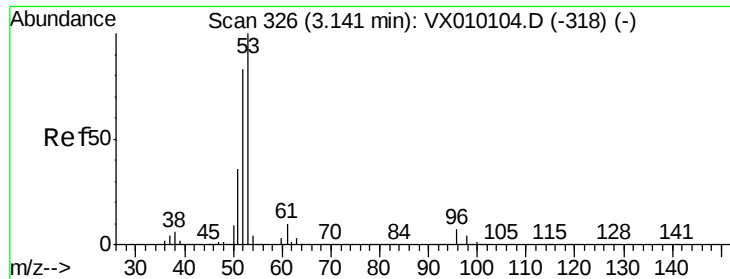
Ion Ratio Lower Upper

41 100

39 63.5 46.7 70.1

76 39.4 21.0 31.4#





#15

Acrylonitrile

Concen: 507.091 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Instrument :

MSVOA_X

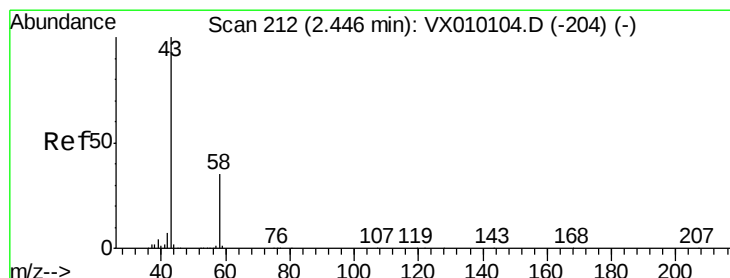
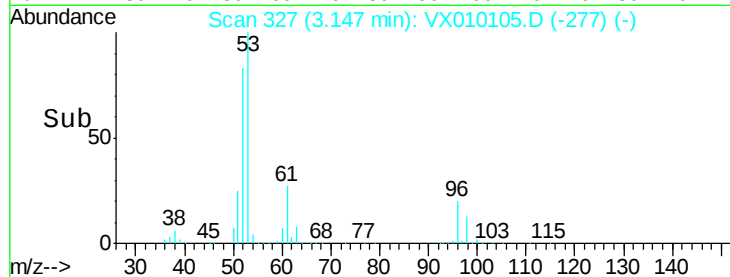
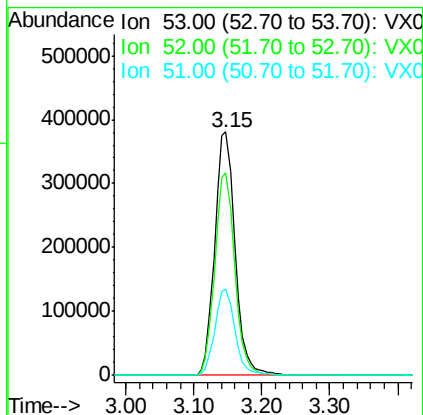
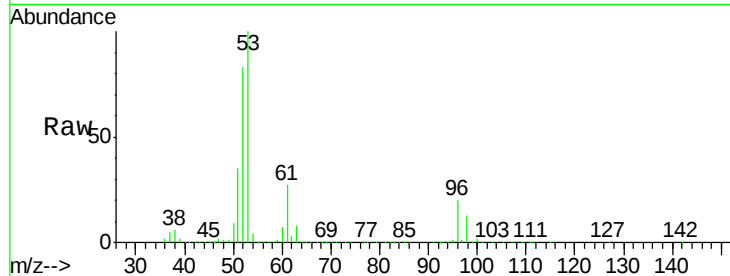
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	790041
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.7	100.1
51	35.2	28.8	43.2

Manual Integrations
APPROVED

MMDadoda
6/10/2019 10:53:40 AM



#16

Acetone

Concen: 496.467 ug/l

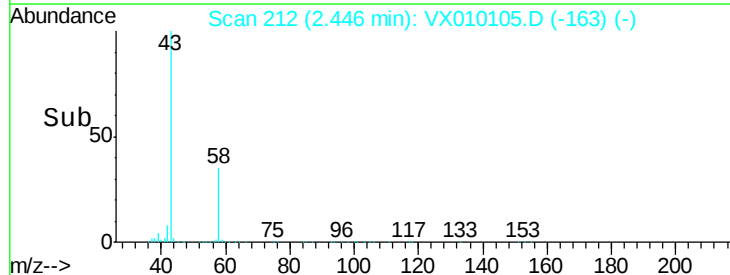
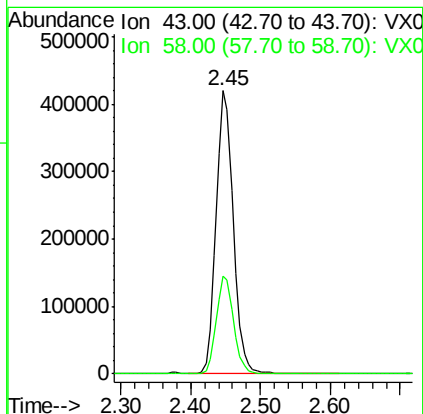
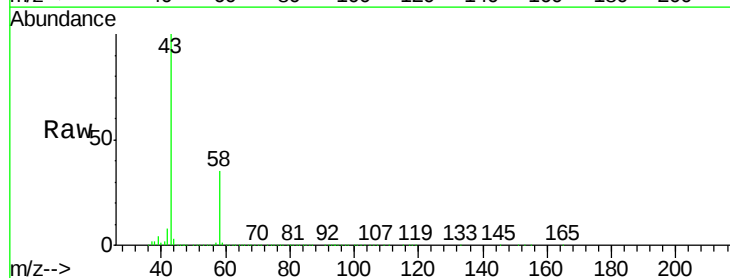
RT: 2.45 min Scan# 212

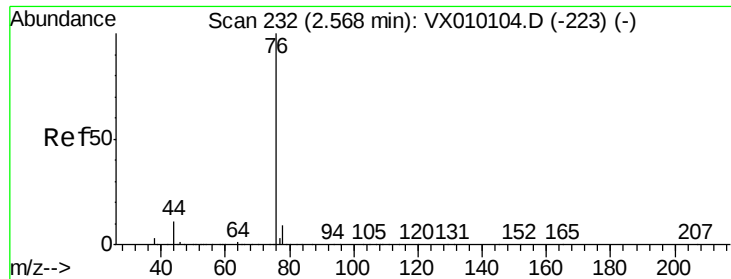
Delta R.T. -0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Tgt Ion:	43	Resp:	712563
Ion	Ratio	Lower	Upper
43	100		
58	34.8	23.2	34.8





#17

Carbon Disulfide

Concen: 101.461 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 806488

Ion Ratio Lower Upper

76 100

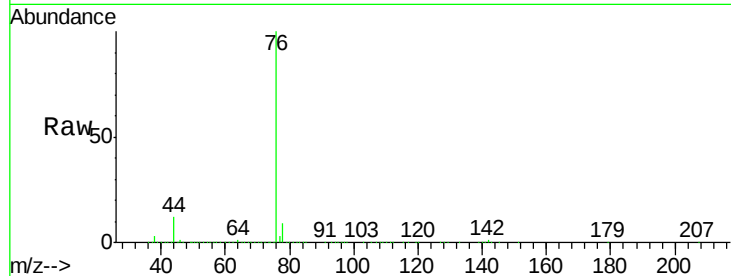
78 9.1 7.0 10.6

Manual Integrations

APPROVED

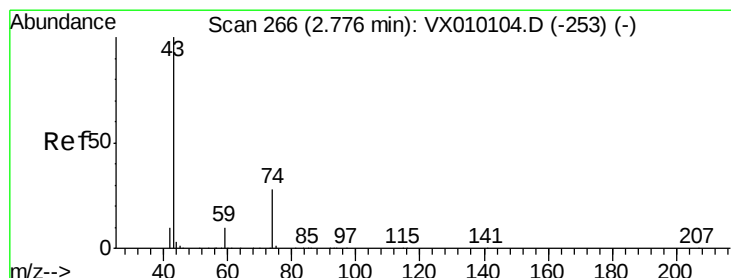
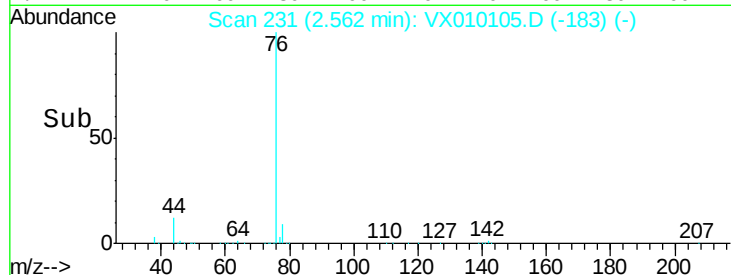
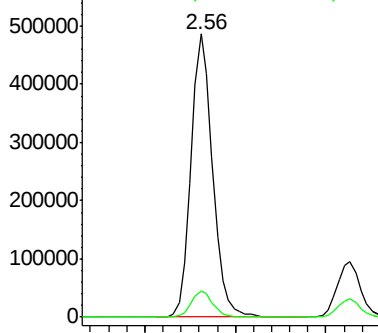
MMDadoda

6/10/2019 10:53:40 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 102.813 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX010105.D

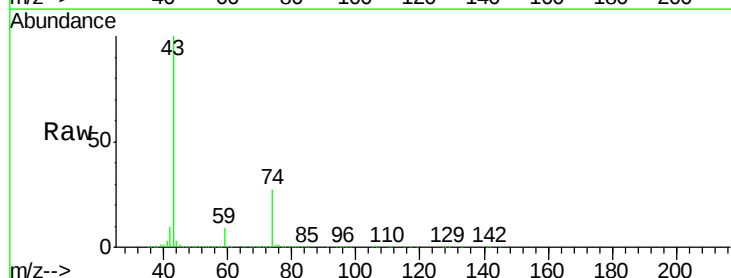
Acq: 07 Jun 2019 13:04

Tgt Ion: 43 Resp: 317312

Ion Ratio Lower Upper

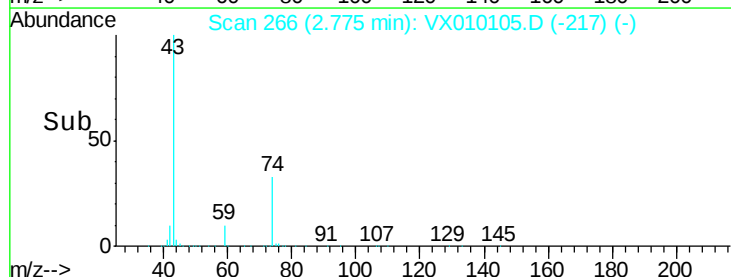
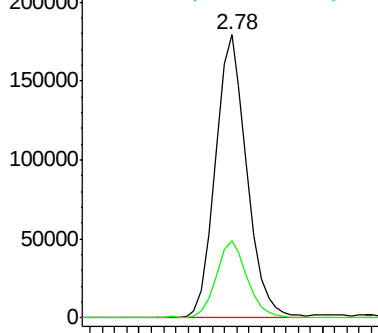
43 100

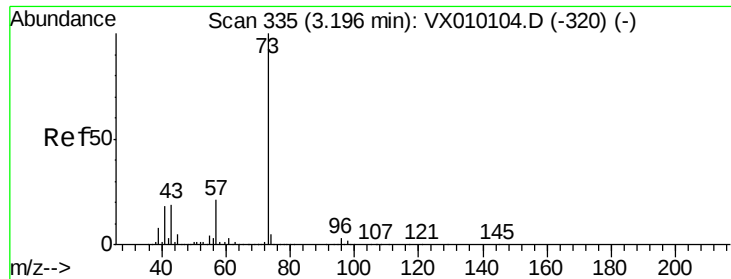
74 27.1 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





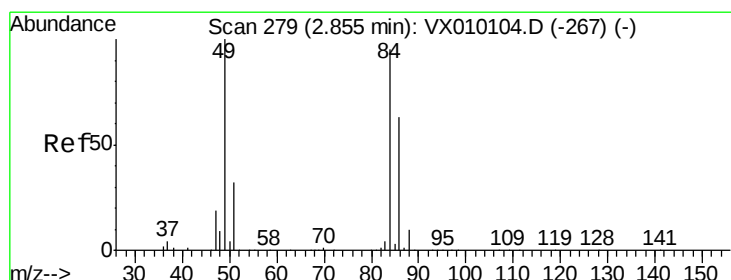
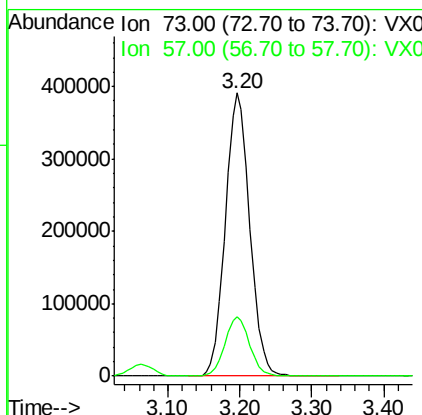
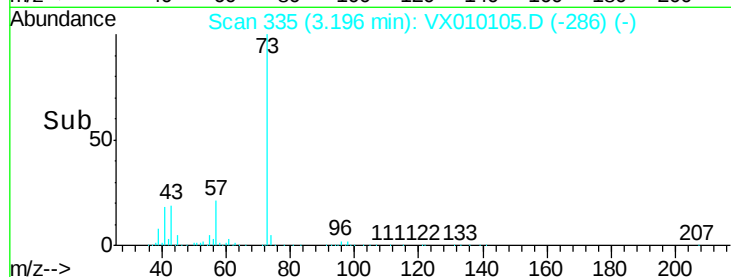
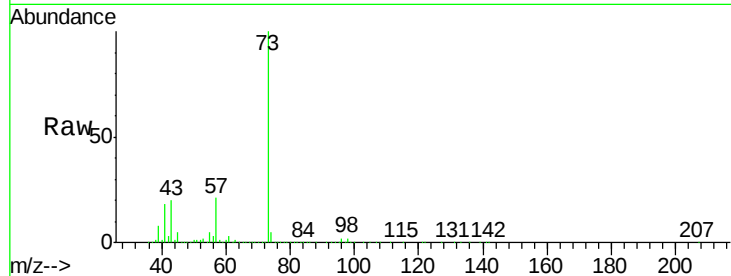
#19
Methvl tert-butvl Ether
Concen: 101.889 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 920416
Ion Ratio Lower Upper
73 100
57 20.8 19.4 29.2

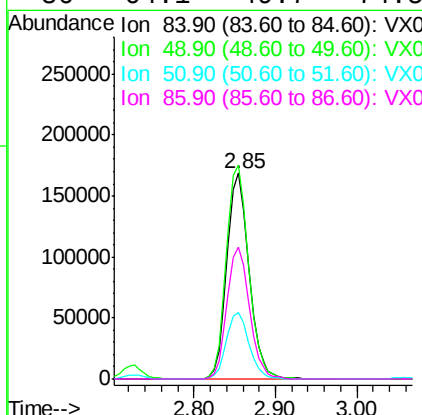
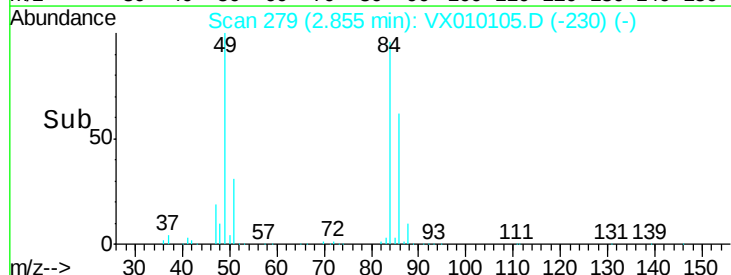
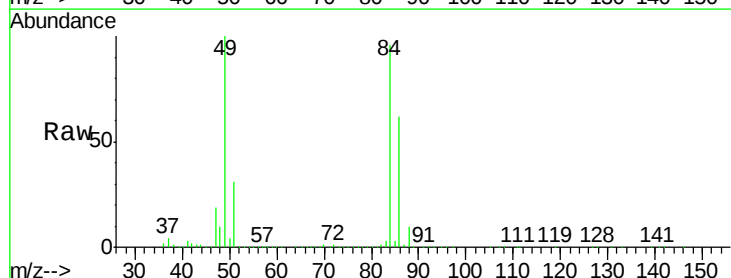
Manual Integrations
APPROVED

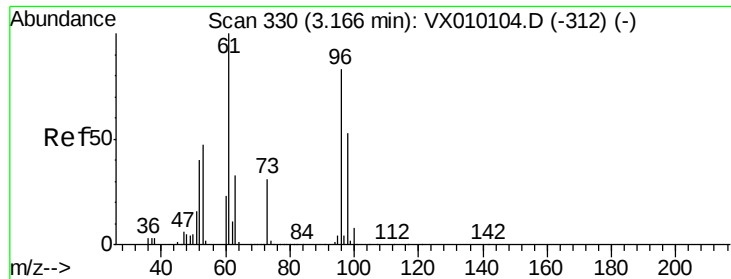
MMDadoda
6/10/2019 10:53:40 AM



#20
Methylene Chloride
Concen: 101.721 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Tgt Ion: 84 Resp: 316086
Ion Ratio Lower Upper
84 100
49 103.8 115.8 173.6#
51 32.2 34.4 51.6#
86 64.1 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 98.791 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 301470

Ion Ratio Lower Upper

96 100

61 124.9 125.7 188.5#

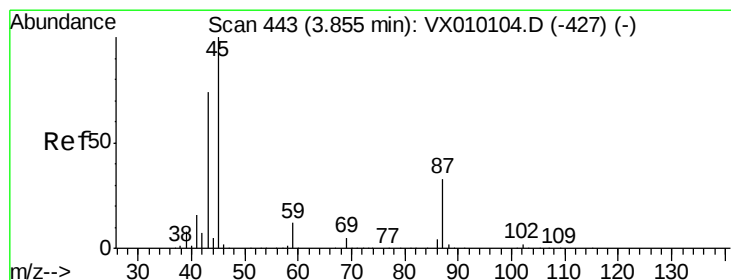
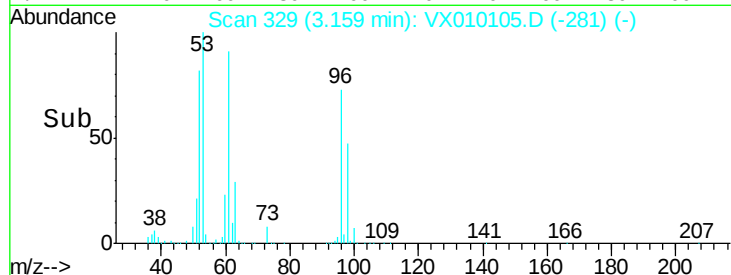
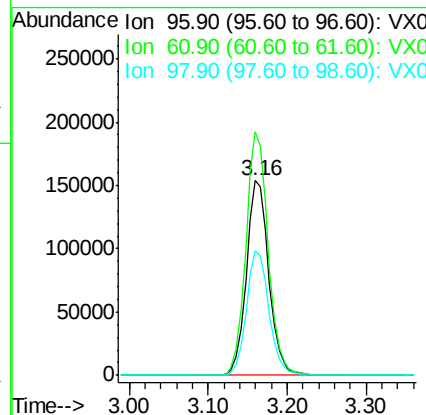
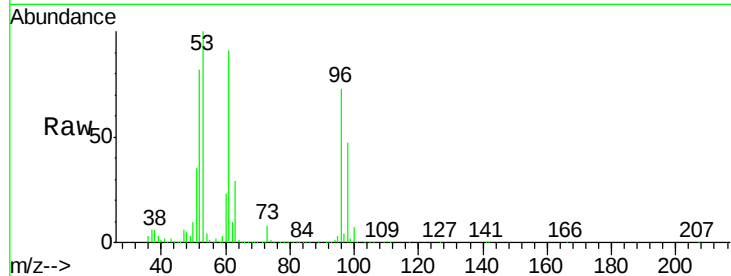
98 64.2 49.0 73.6

Manual Integrations

APPROVED

MMDadoda

6/10/2019 10:53:40 AM



#22

Diisopropyl ether

Concen: 101.527 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Tgt Ion: 45 Resp: 843518

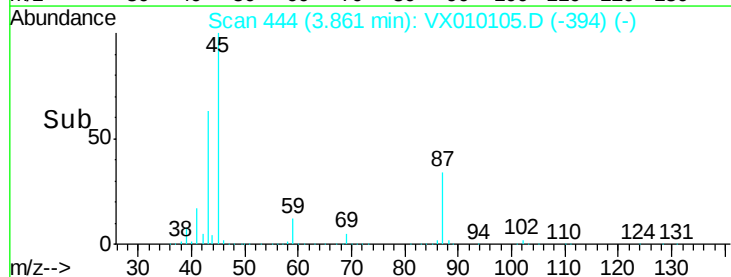
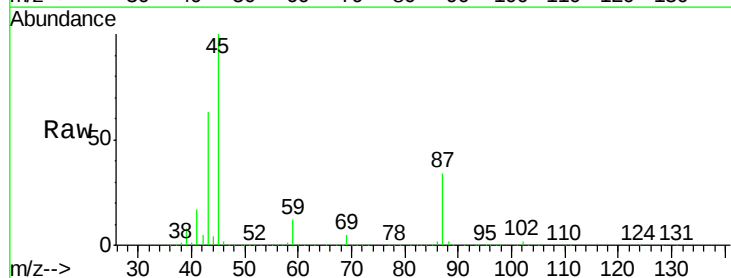
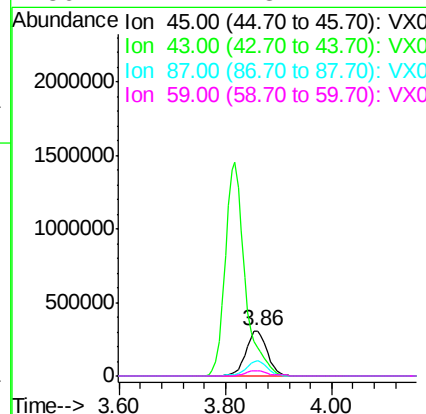
Ion Ratio Lower Upper

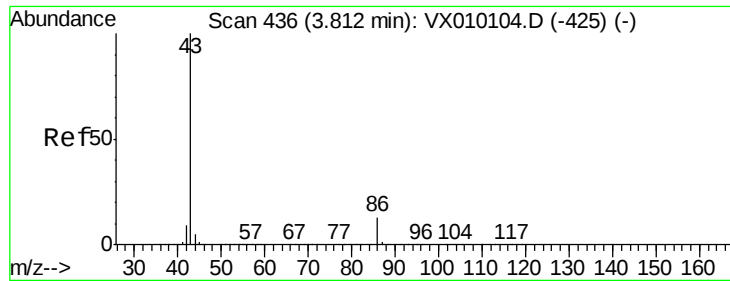
45 100

43 62.5 65.0 97.4#

87 34.1 17.3 25.9#

59 12.1 8.1 12.1





#23

Vinyl Acetate

Concen: 504.551 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3777933

Ion Ratio Lower Upper

43 100

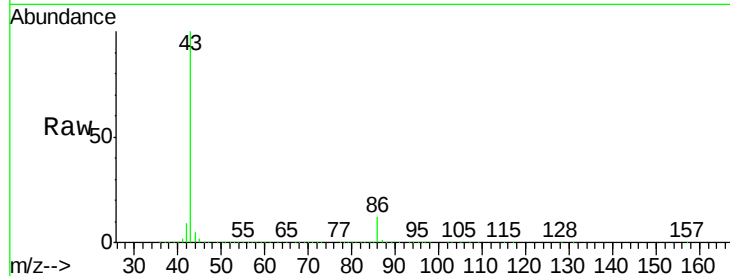
86 12.5 6.5 9.7#

Manual Integrations

APPROVED

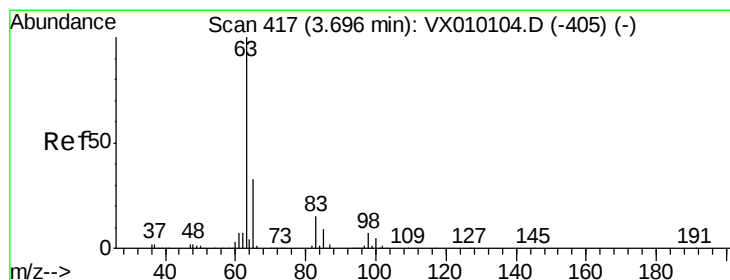
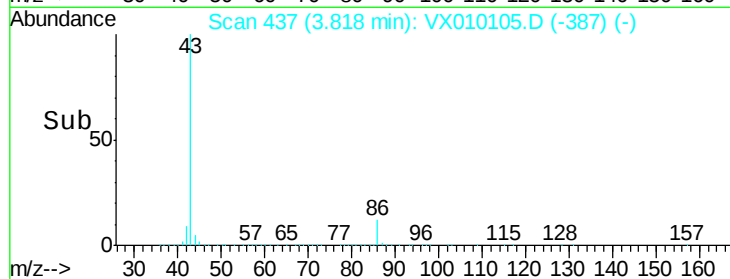
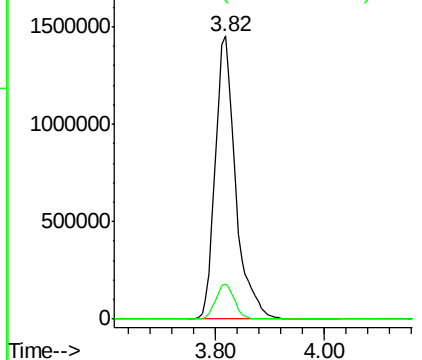
MMDadoda

6/10/2019 10:53:40 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 102.577 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

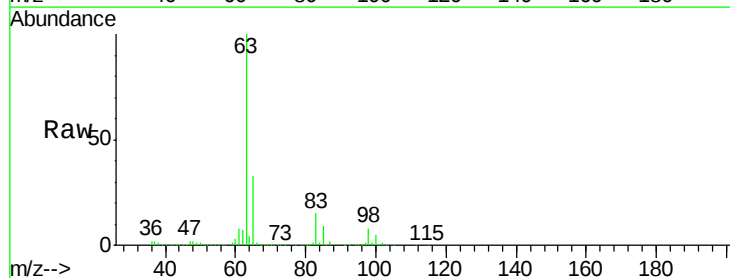
Tgt Ion: 63 Resp: 501357

Ion Ratio Lower Upper

63 100

98 7.5 2.9 8.8

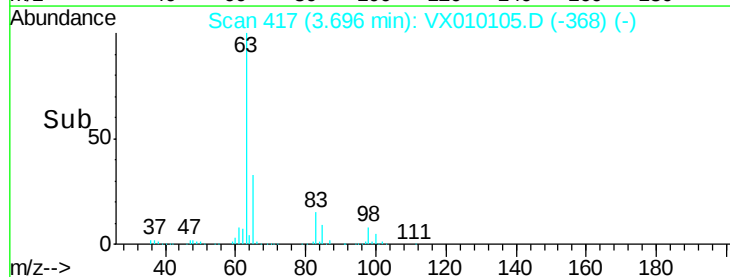
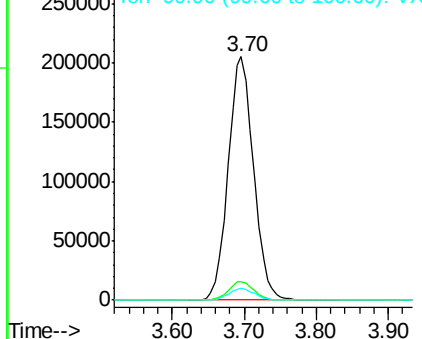
100 4.9 1.8 5.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 507.418 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1114530

Ion Ratio Lower Upper

43 100

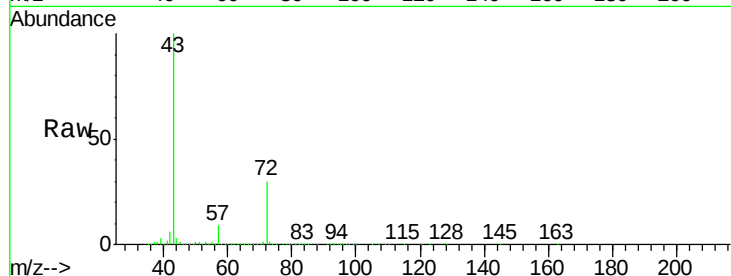
72 30.0 17.5 26.3#

Manual Integrations

APPROVED

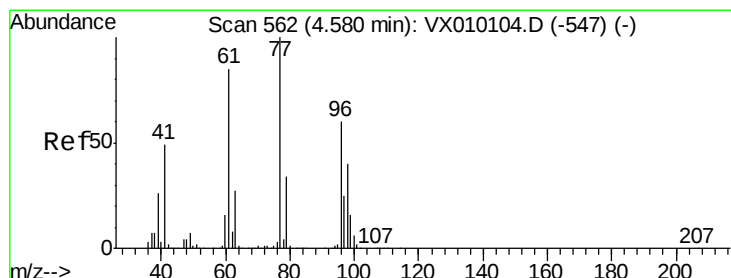
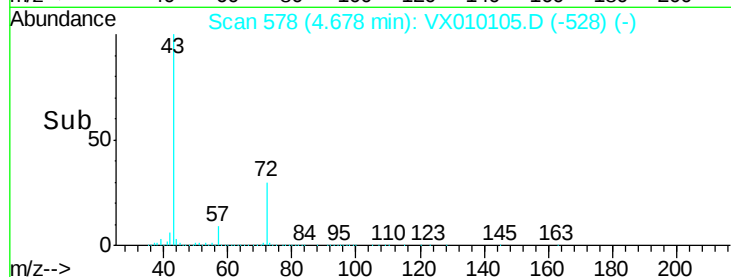
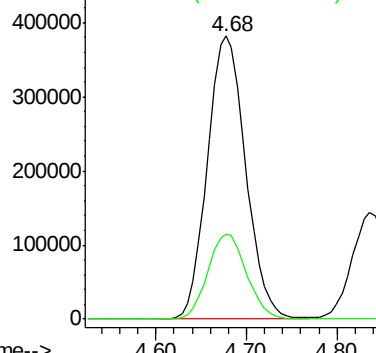
MMDadoda

6/10/2019 10:53:40 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 100.527 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX010105.D

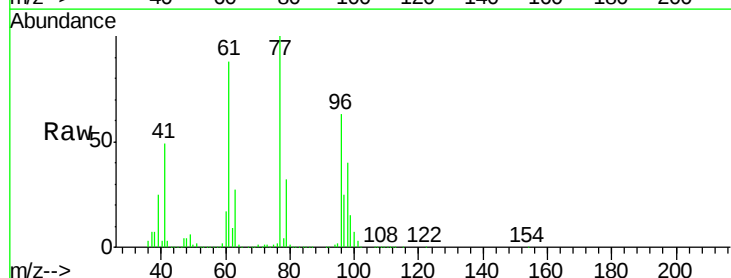
Acq: 07 Jun 2019 13:04

Tgt Ion: 77 Resp: 452283

Ion Ratio Lower Upper

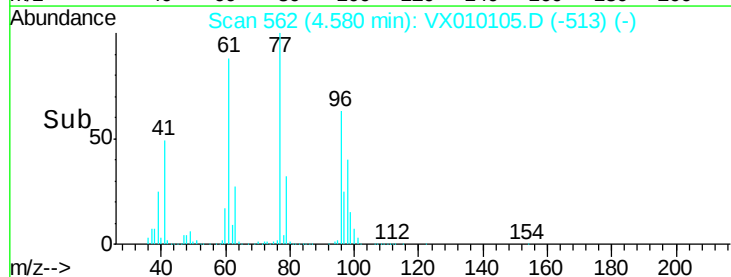
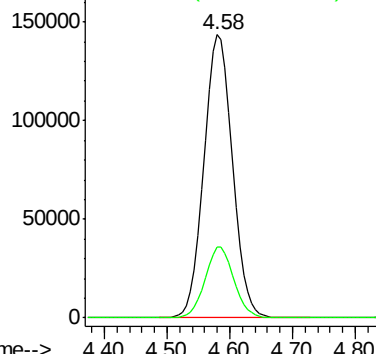
77 100

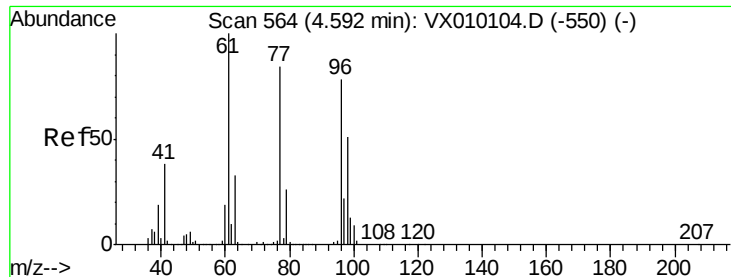
97 25.1 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

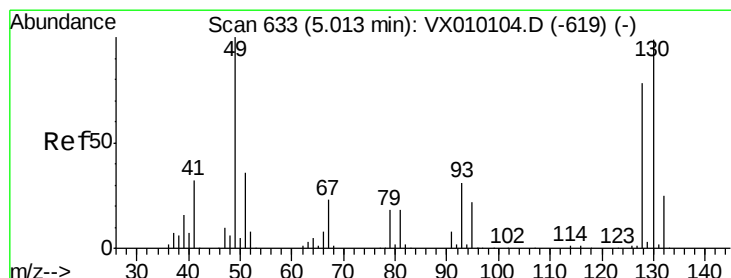
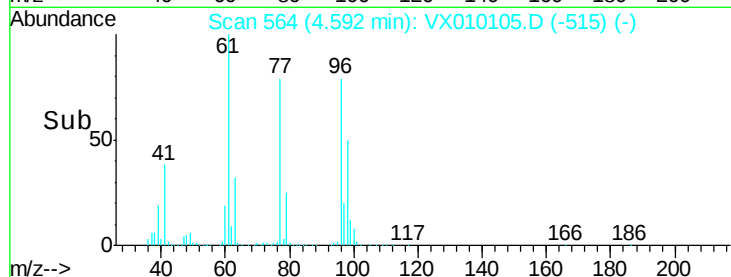
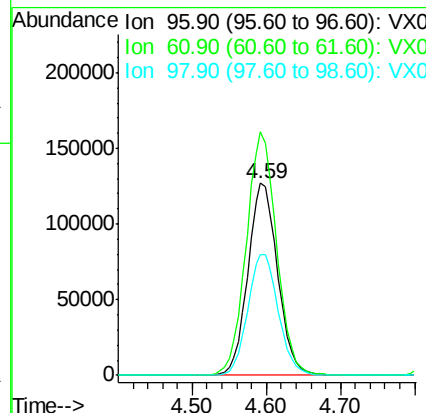
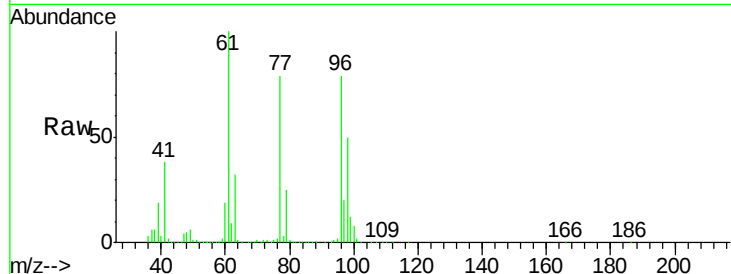
cis-1,2-Dichloroethene
Concen: 102.065 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.0	0.0	334.0
98	64.4	0.0	131.6

Manual Integrations
APPROVED

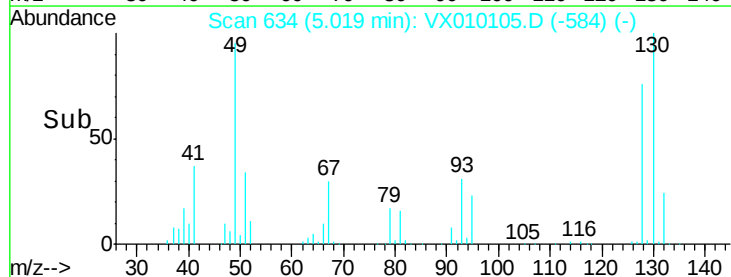
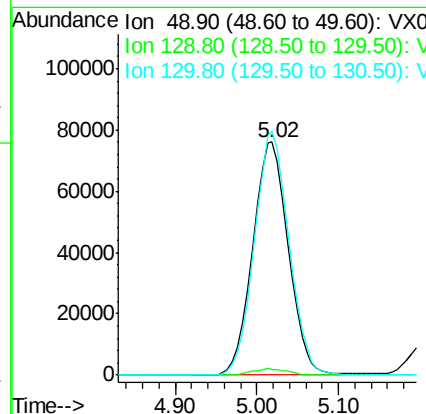
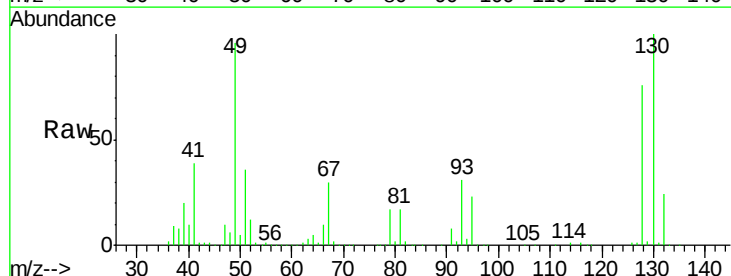
MMDadoda
6/10/2019 10:53:40 AM

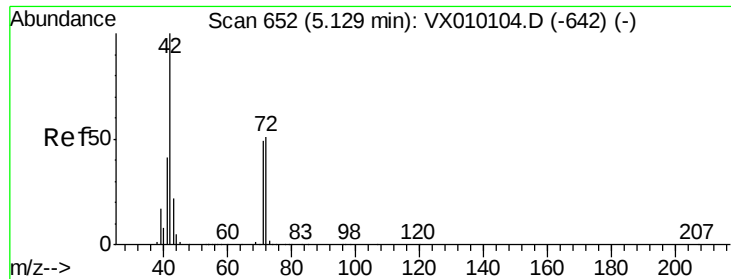


#28

Bromochloromethane
Concen: 104.801 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	3.4
130	102.1	49.4	74.2#





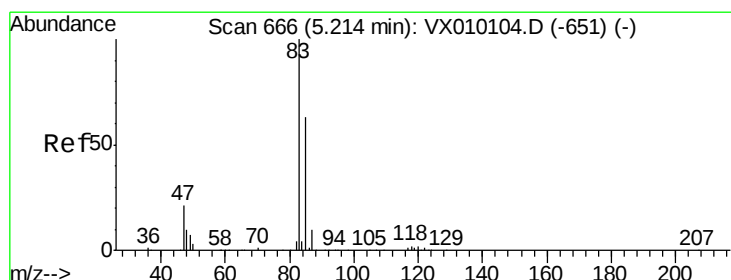
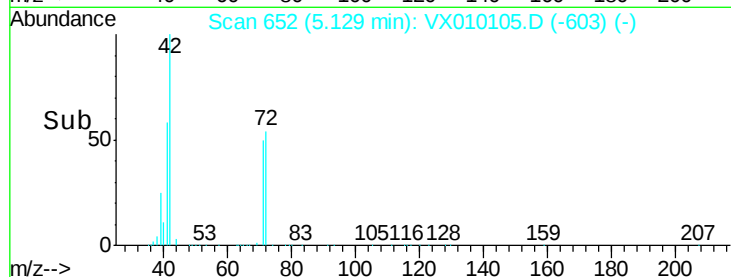
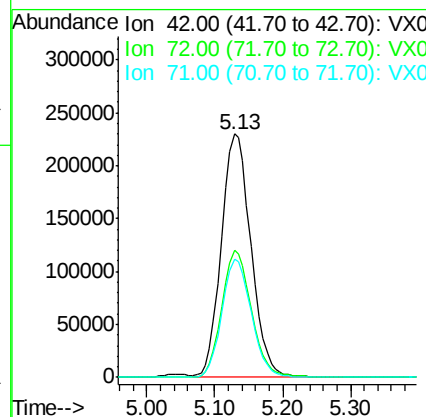
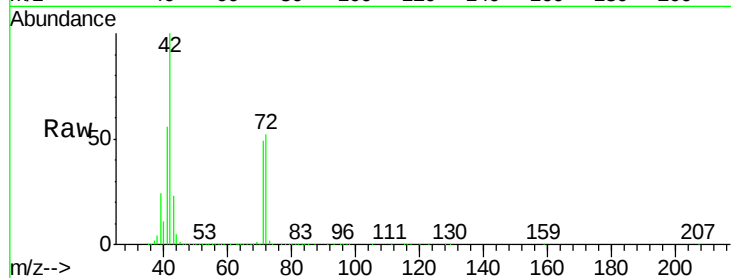
#29
Tetrahydrofuran
Concen: 511.161 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.3	29.2	43.8#
71	48.1	27.6	41.4#

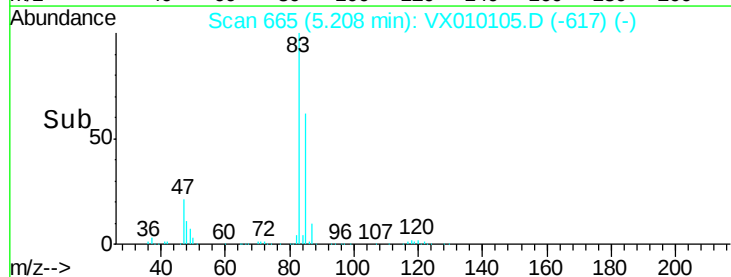
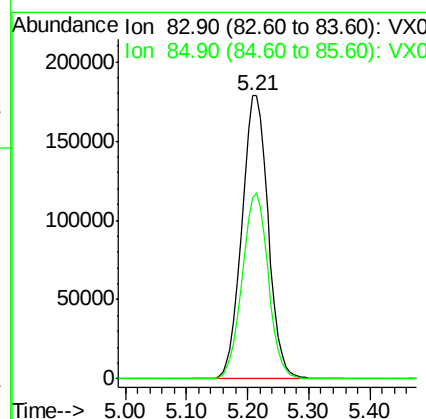
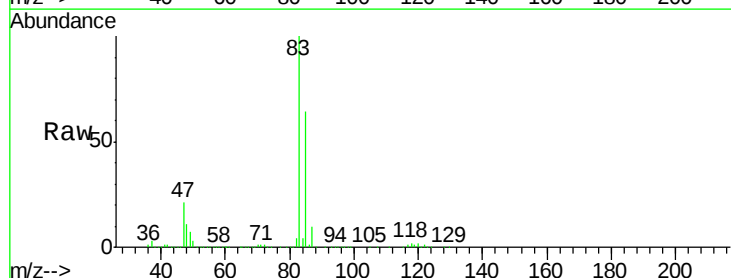
Manual Integrations
APPROVED

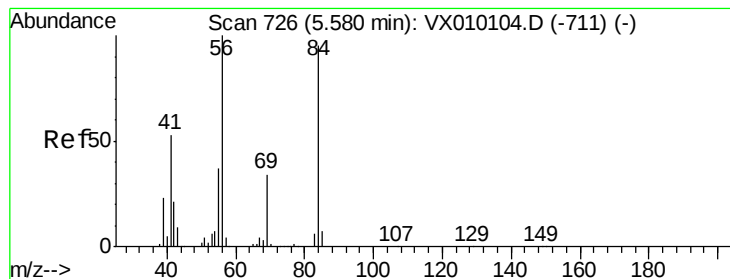
MMDadoda
6/10/2019 10:53:40 AM



#30
Chloroform
Concen: 102.300 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.6	78.8





#31

Cyclohexane

Concen: 101.739 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 464107

Ion Ratio Lower Upper

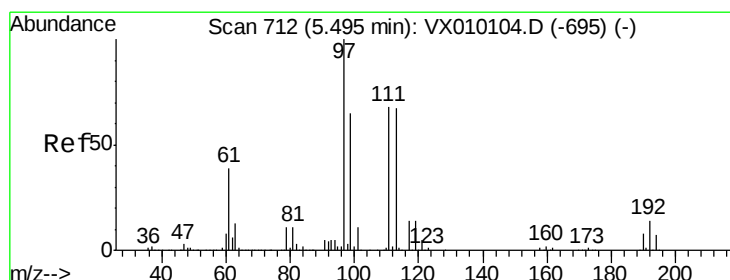
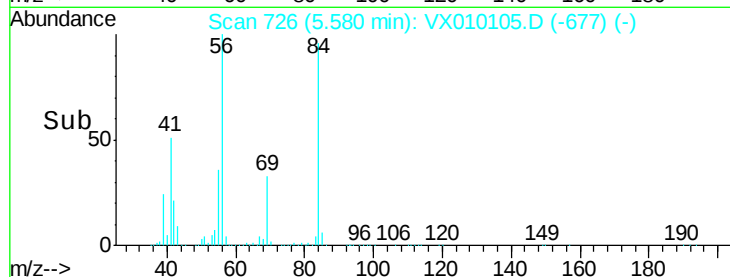
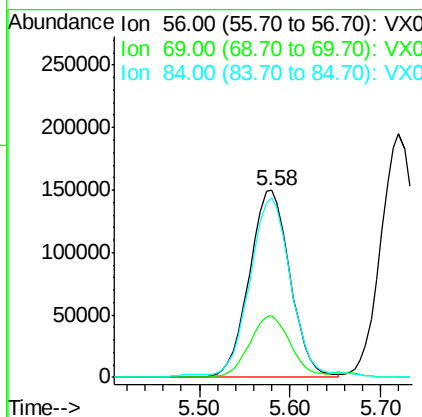
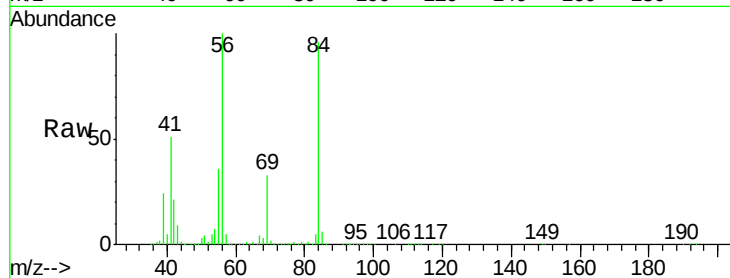
56 100

69 33.2 21.6 32.4#

84 94.7 56.8 85.2#

Manual Integrations
APPROVED

MMDadoda
6/10/2019 10:53:40 AM



#32

1,1,1-Trichloroethane

Concen: 102.748 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

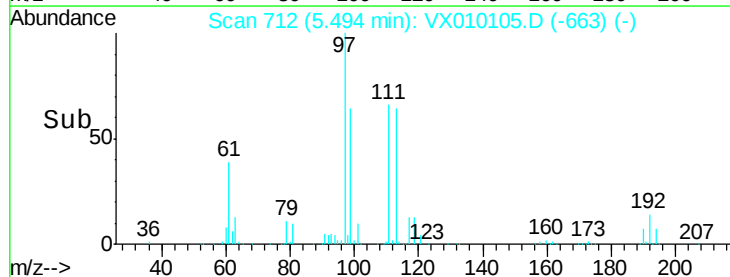
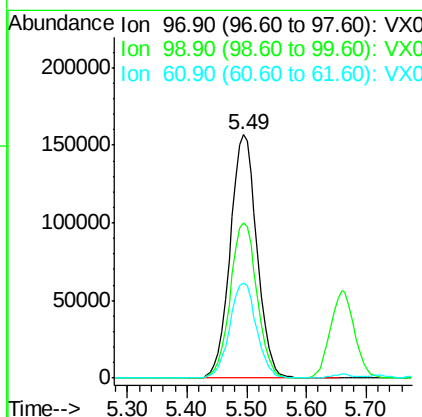
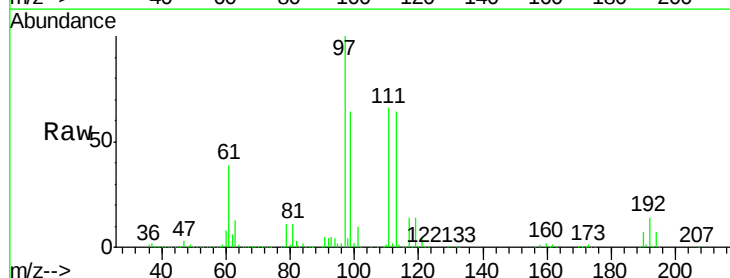
Tgt Ion: 97 Resp: 484672

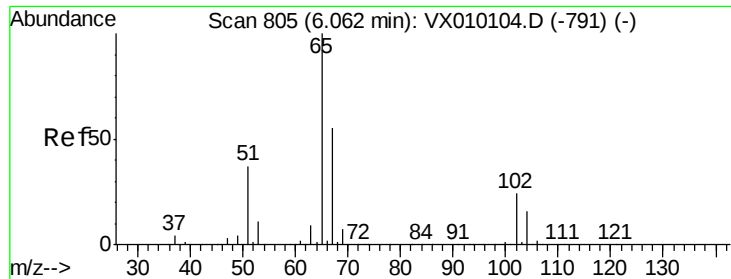
Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.4

61 39.6 38.7 58.1





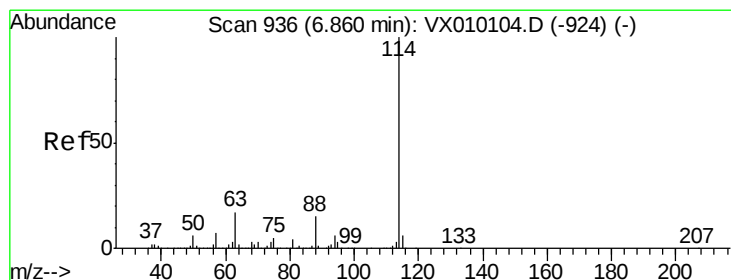
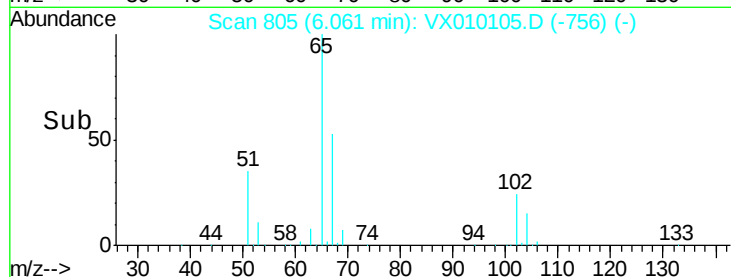
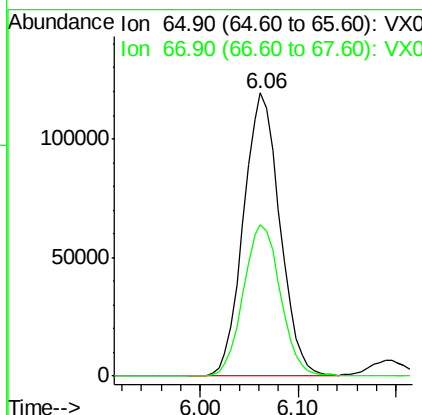
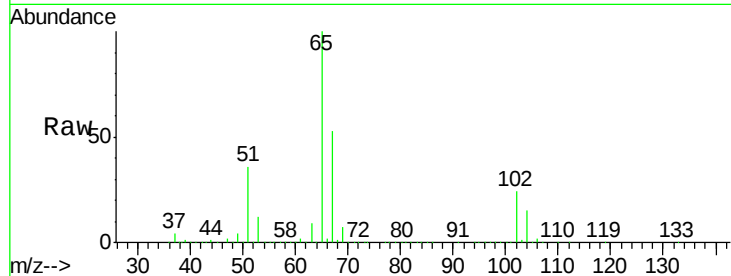
#33
 1,2-Dichloroethane-d4
 Concen: 100.585 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010105.D
 Acq: 07 Jun 2019 13:04

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	308980		
67	54.1	0.0	108.4	

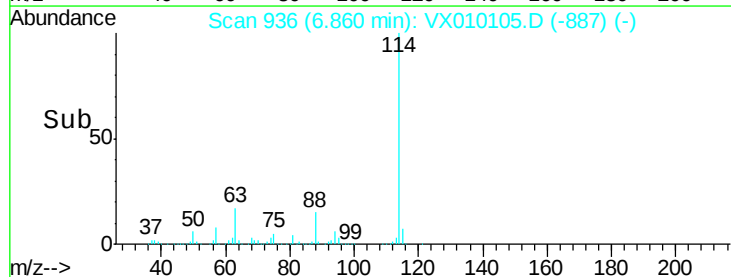
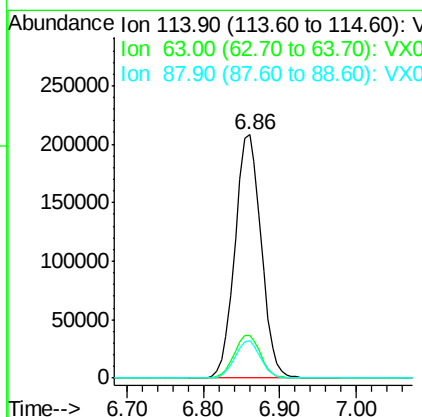
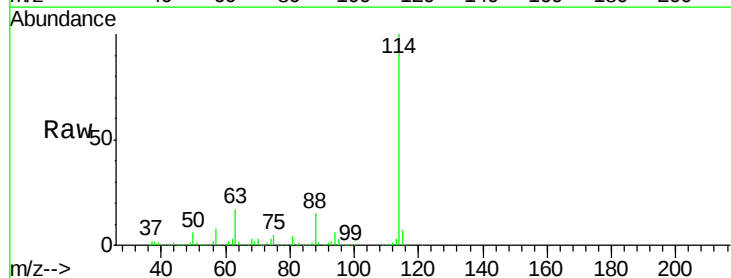
Manual Integrations
 APPROVED

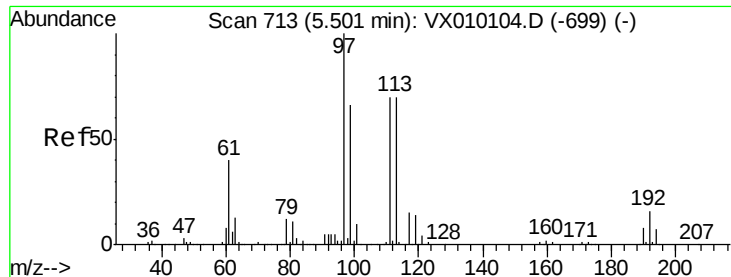
MMDadoda
 6/10/2019 10:53:40 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010105.D
 Acq: 07 Jun 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	494784		
63	17.3	0.0	47.4	
88	15.2	0.0	33.0	





#35

Dibromofluoromethane

Concen: 99.249 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Instrument :

MSVOA_X

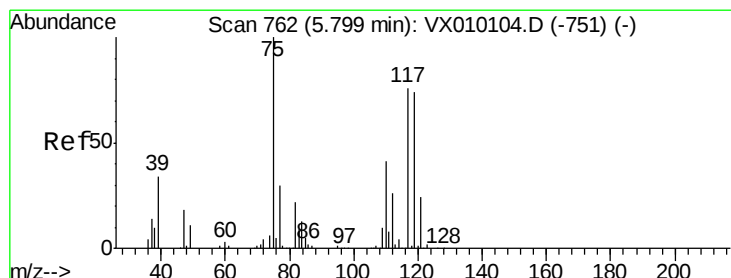
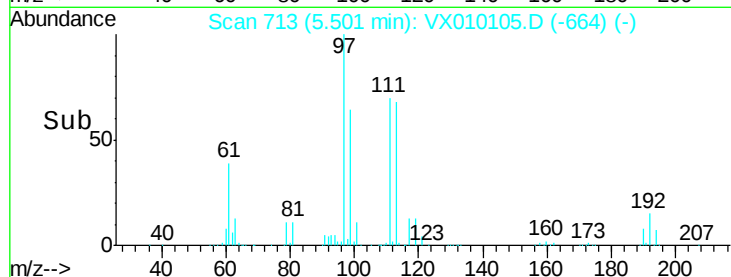
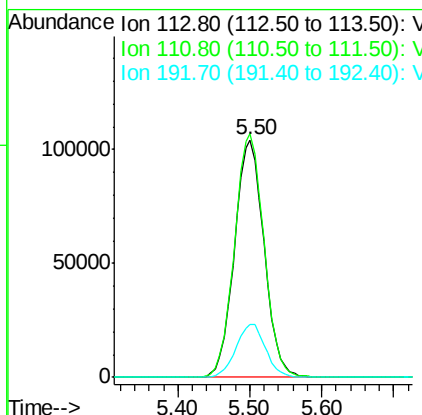
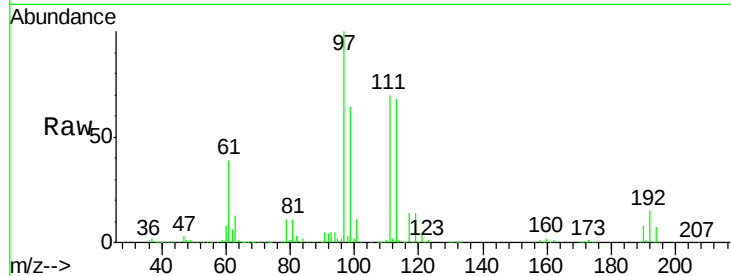
ClientSampled :

VSTDIC100

Tot Ion:	113	Resp:	297033
Ion Ratio	Lower	Upper	
113	100		
111	102.3	82.2	123.2
192	22.4	17.1	25.7

Manual Integrations
APPROVED

MMDadoda
6/10/2019 10:53:40 AM



#36

1,1-Dichloropropene

Concen: 102.404 ug/l

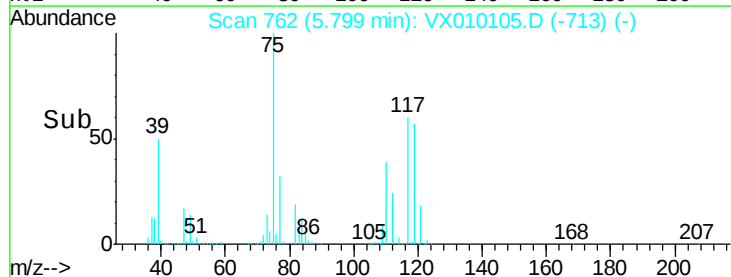
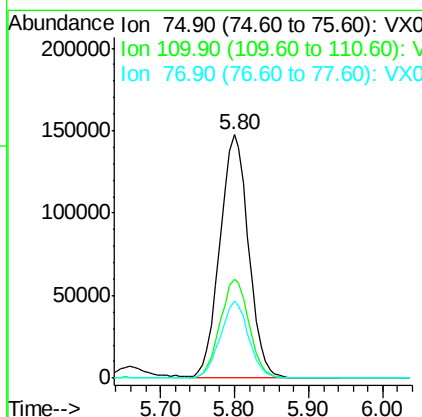
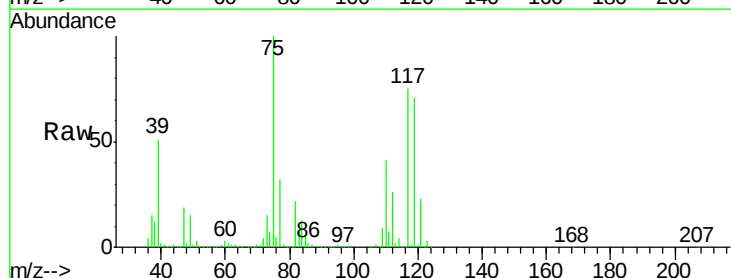
RT: 5.80 min Scan# 762

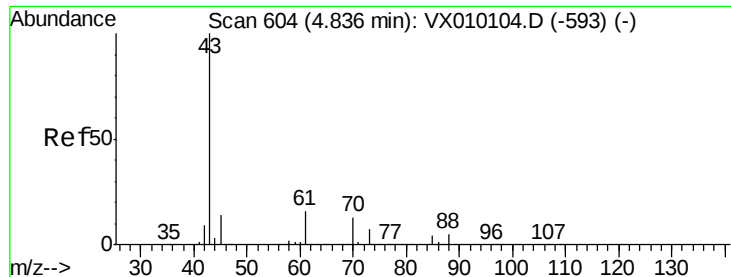
Delta R.T. -0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Tgt Ion:	75	Resp:	395797
Ion Ratio	Lower	Upper	
75	100		
110	40.8	16.7	50.1
77	31.0	25.0	37.4





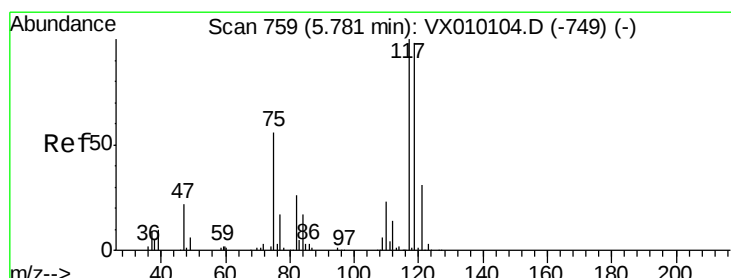
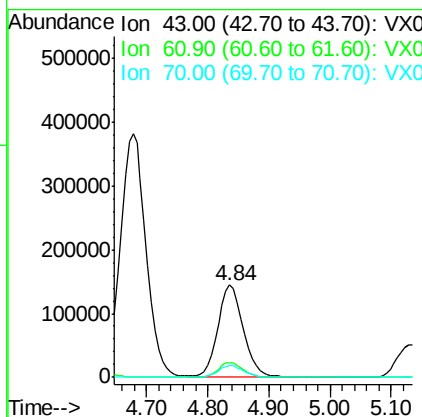
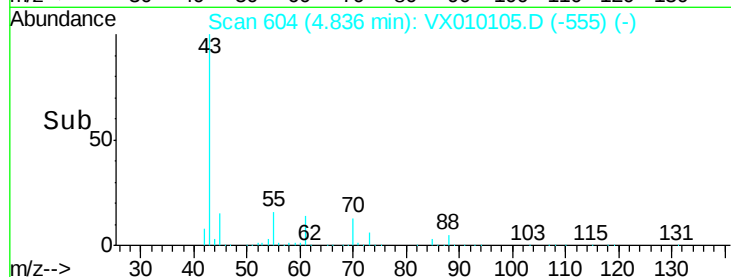
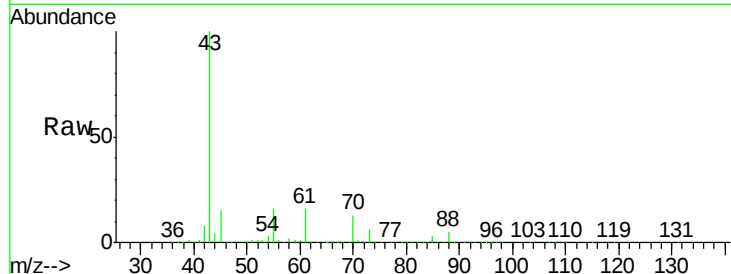
#37
Ethyl Acetate
Concen: 102.832 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	10.2	15.2#
70	12.9	7.4	11.2#

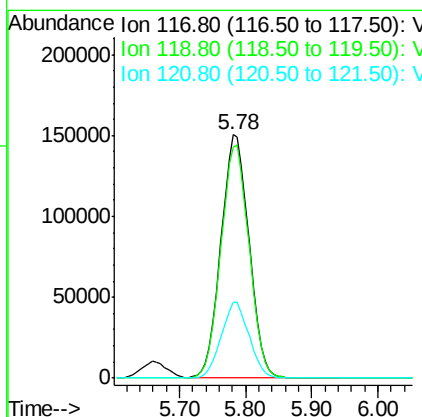
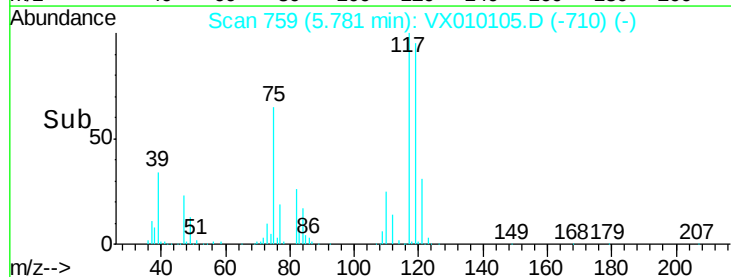
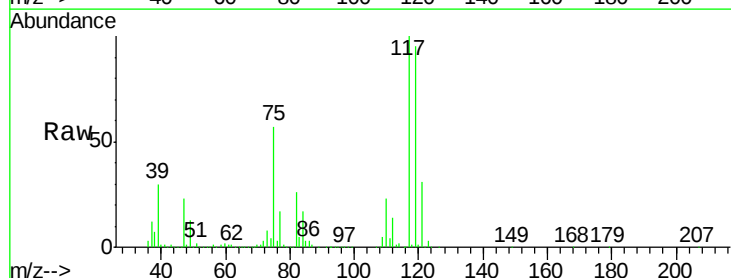
Manual Integrations
APPROVED

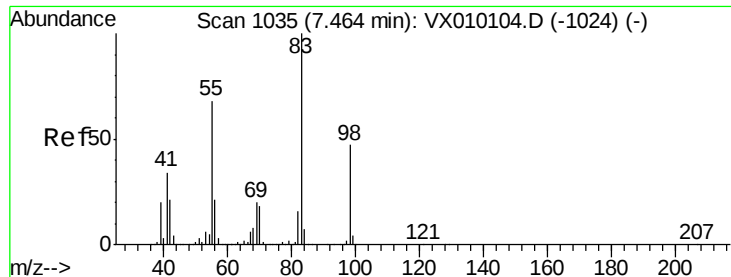
MMDadoda
6/10/2019 10:53:40 AM



#38
Carbon Tetrachloride
Concen: 100.819 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.3	115.9
121	31.3	25.4	38.0





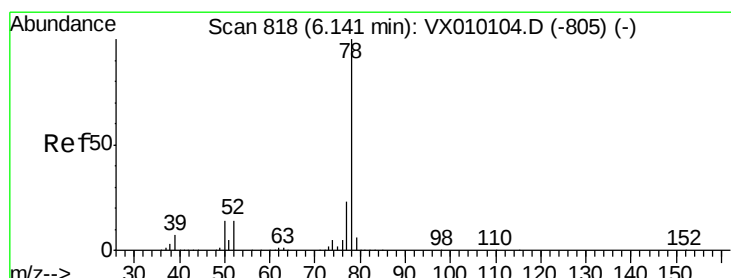
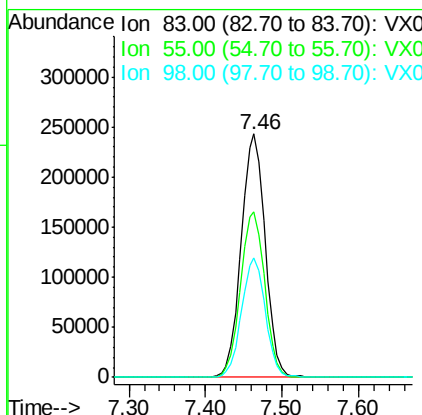
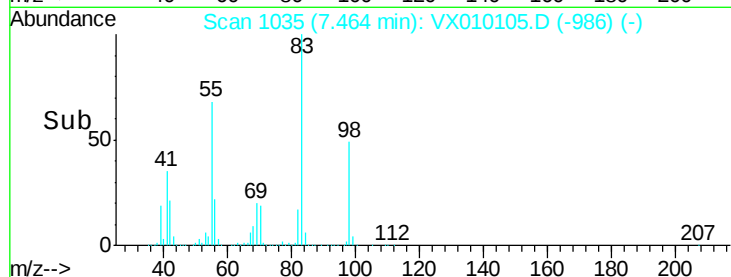
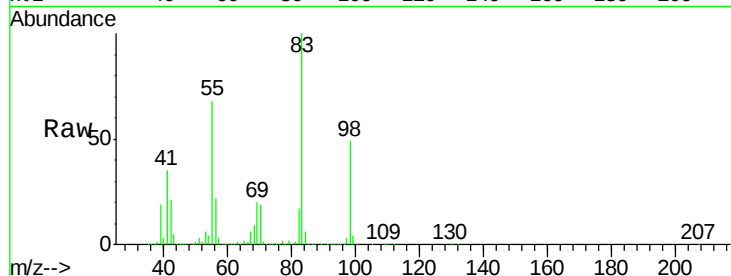
#39
Methvlcvclohexane
Concen: 100.804 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.0	69.9	104.9#
98	49.2	35.1	52.7

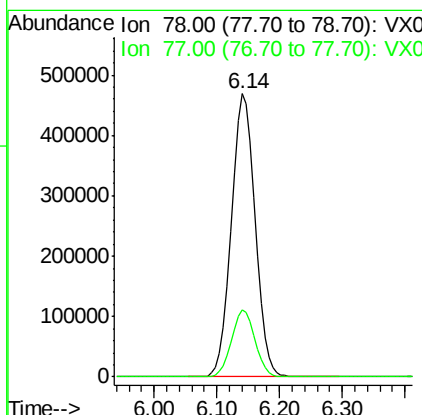
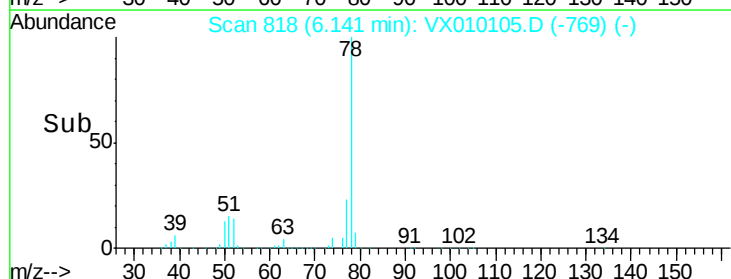
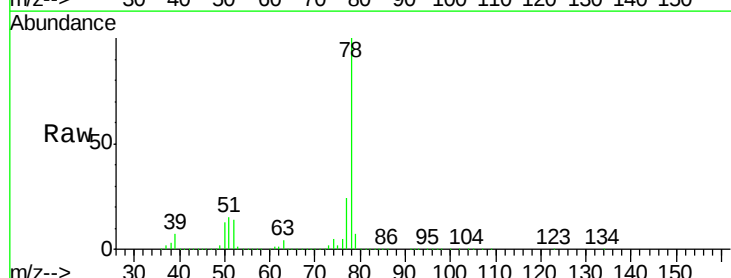
Manual Integrations
APPROVED

MMDadoda
6/10/2019 10:53:40 AM



#40
Benzene
Concen: 101.233 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.2	28.8





#41

Methacrylonitrile

Concen: 100.910 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleID :

VSTDIC100

Tot Ion: 41 Resp: 224267
Ion Ratio Lower Upper

41 100

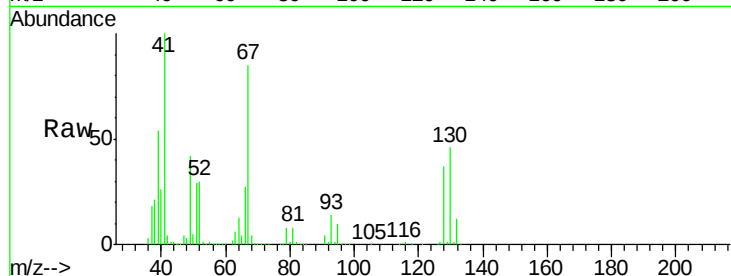
39 54.3 42.2 63.4

67 83.9 48.9 73.3#

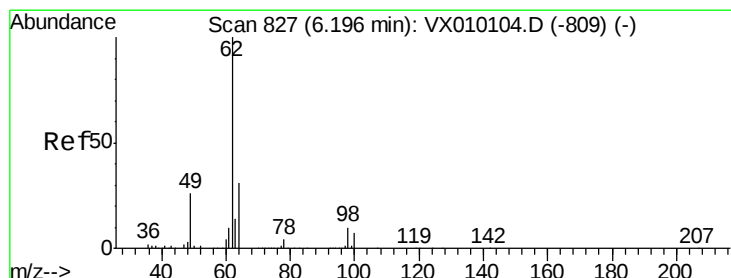
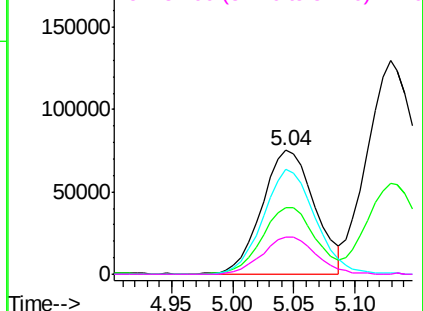
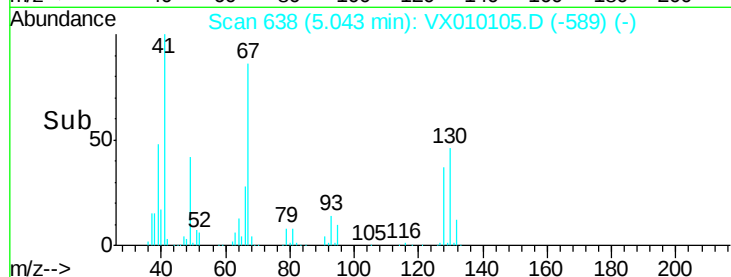
52 31.1 20.1 30.1#

Manual Integrations
APPROVED

MMDadoda
6/10/2019 10:53:40 AM



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 101.993 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

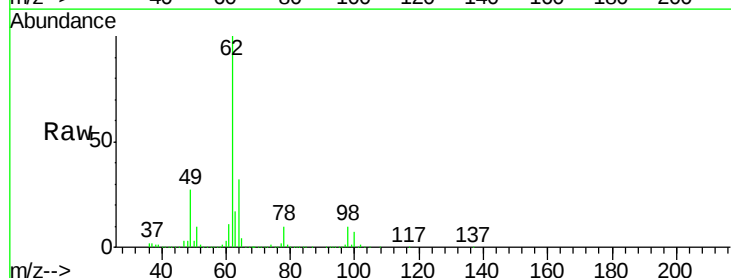
Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

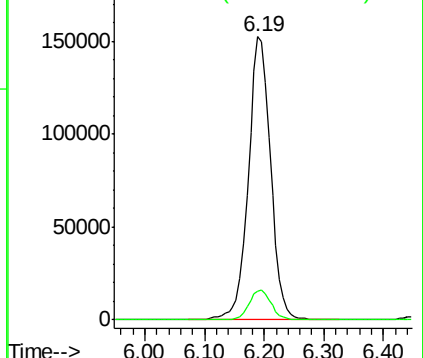
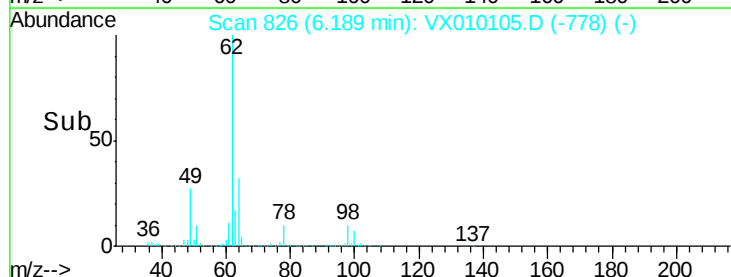
Tgt Ion: 62 Resp: 394244
Ion Ratio Lower Upper

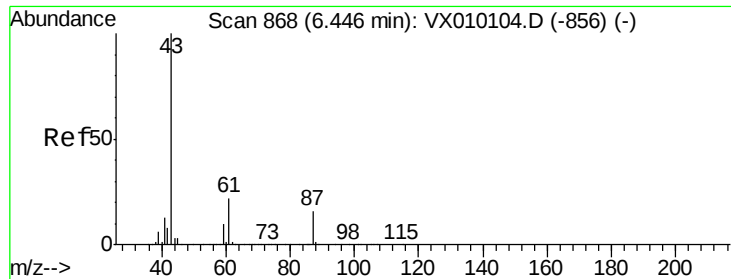
62 100

98 10.5 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

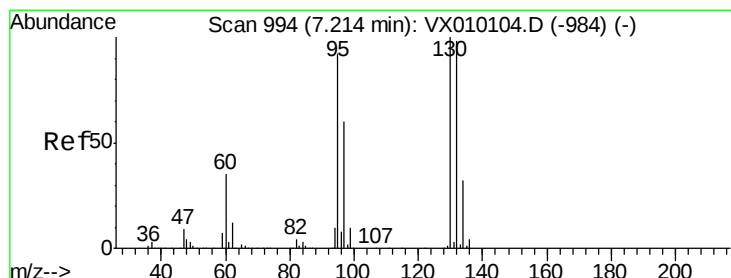
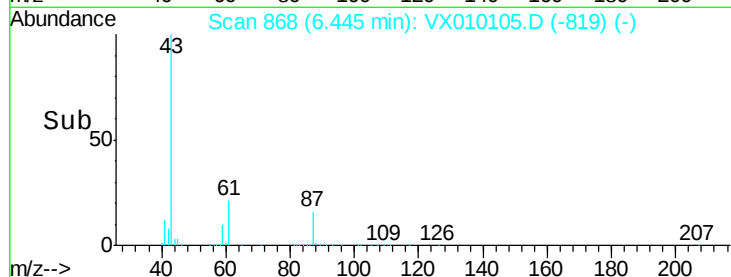
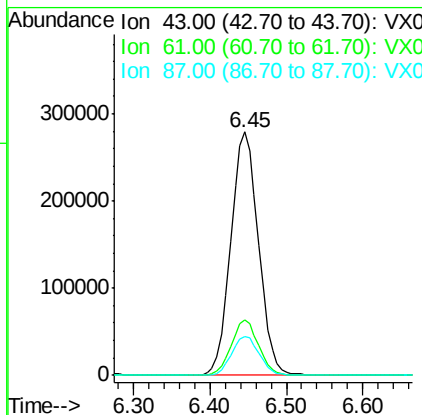
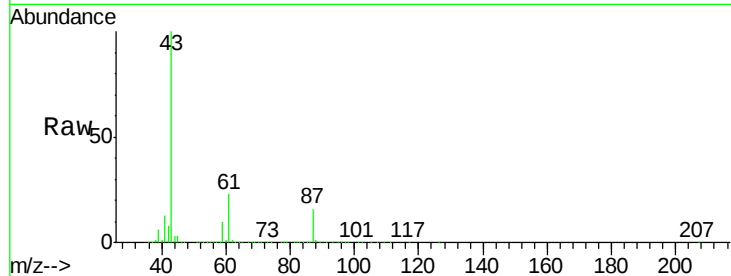
Isopropyl Acetate
 Concen: 102.384 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX010105.D
 Acq: 07 Jun 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.5	14.6	21.8#
87	16.1	8.7	13.1#

Manual Integrations
 APPROVED

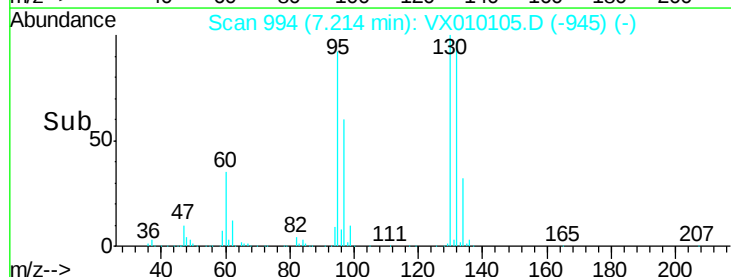
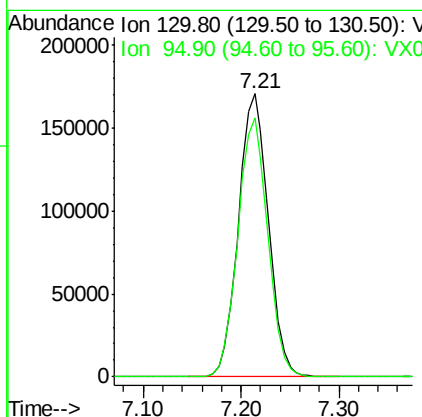
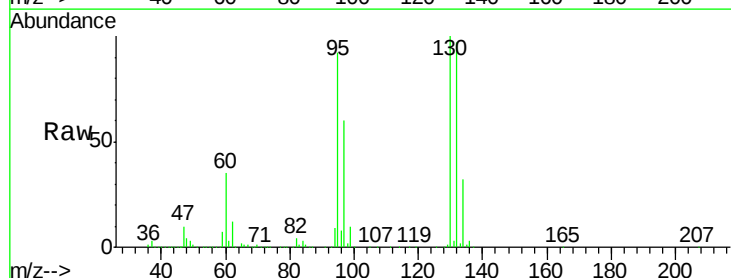
MMDadoda
 6/10/2019 10:53:40 AM

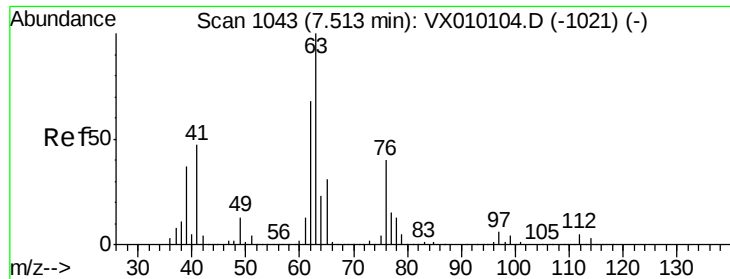


#44

Trichloroethene
 Concen: 100.851 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX010105.D
 Acq: 07 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	207.4





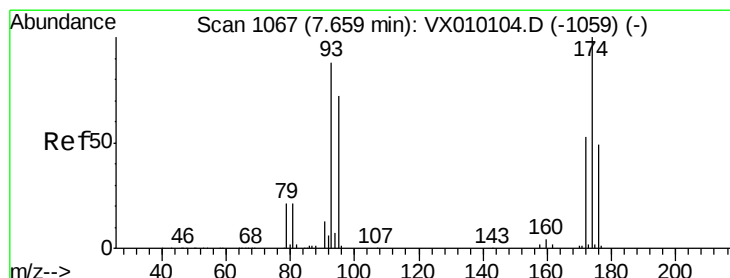
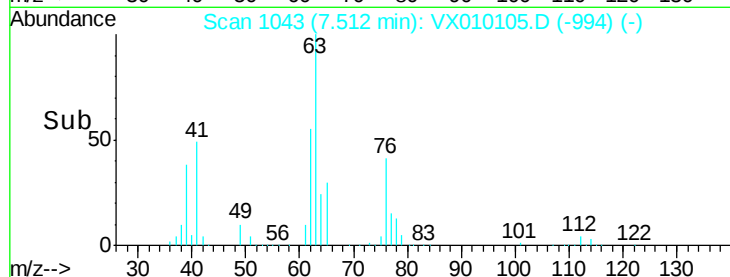
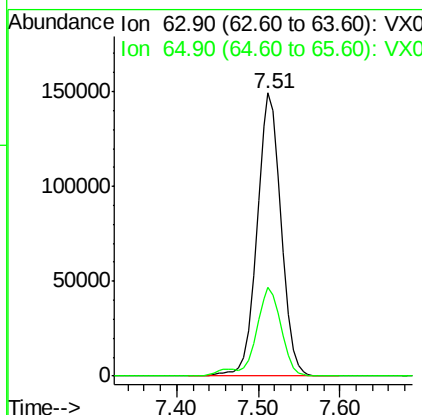
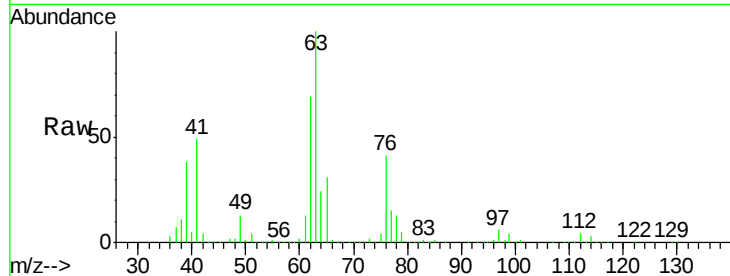
#45
 1,2-Dichloropropane
 Concen: 101.170 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010105.D
 Acq: 07 Jun 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.7	38.5

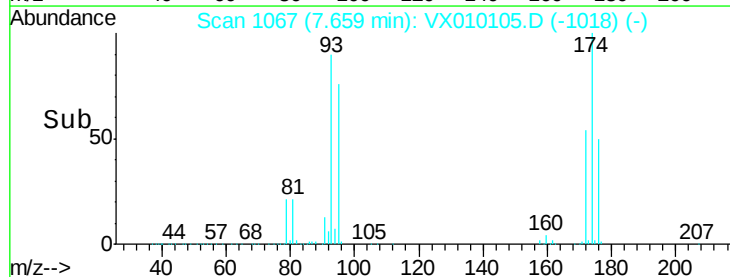
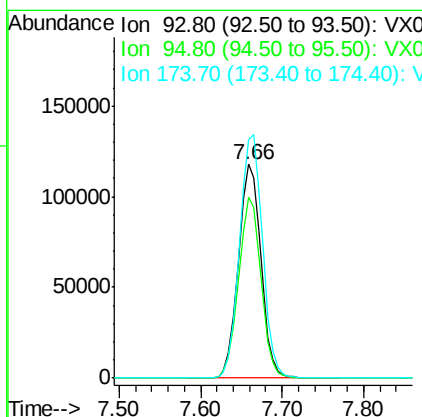
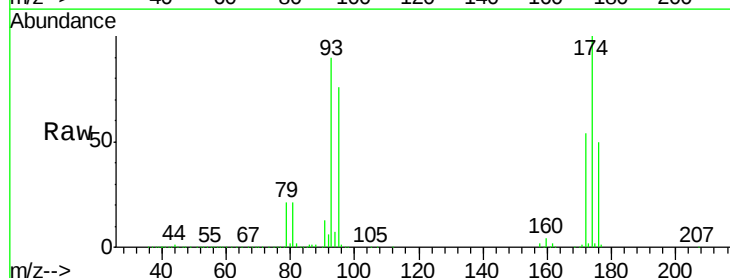
Manual Integrations
 APPROVED

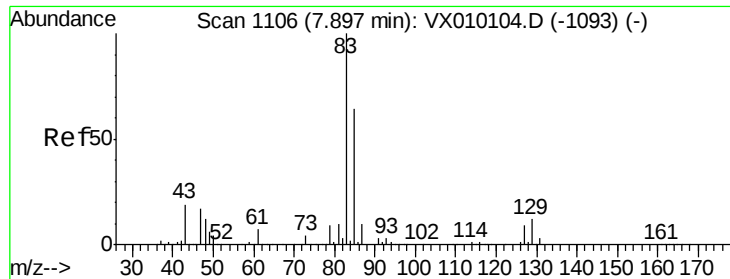
MMDadoda
 6/10/2019 10:53:40 AM



#46
 Dibromomethane
 Concen: 102.298 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX010105.D
 Acq: 07 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.8	100.2
174	116.3	81.9	122.9





#47

Bromodichloromethane

Concen: 102.018 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Instrument :

MSVOA_X

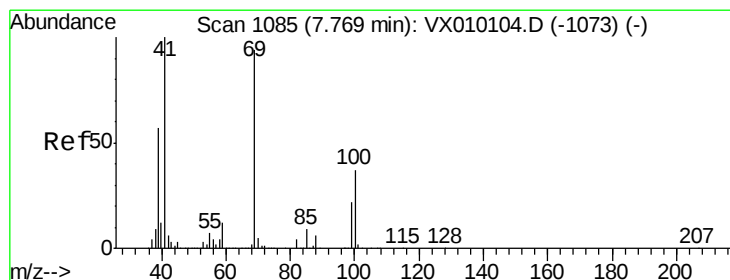
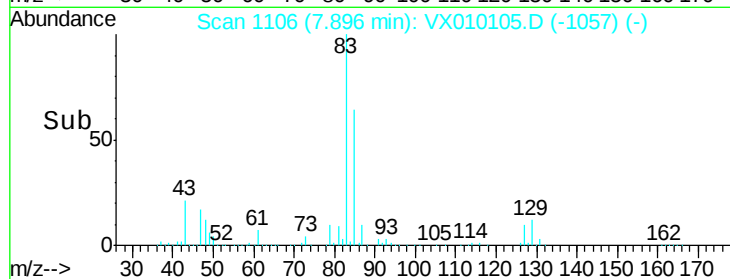
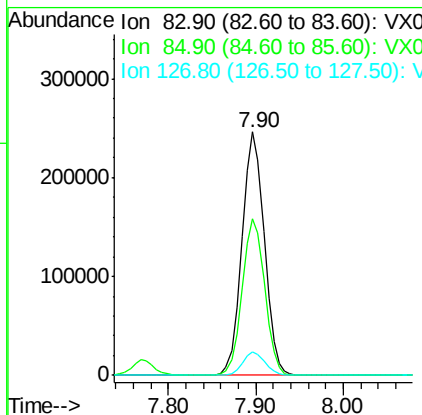
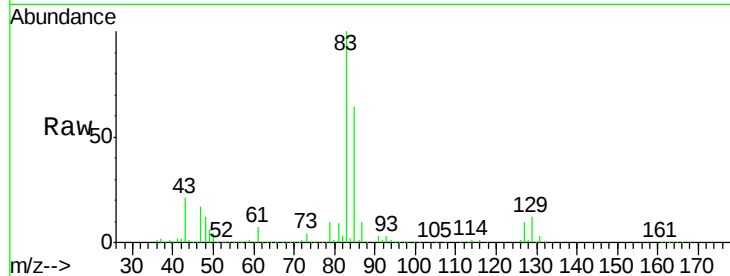
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	435541
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.4	77.2
127	9.6	6.4	9.6#

Manual Integrations
APPROVED

MMDadoda
6/10/2019 10:53:40 AM



#48

Methyl methacrylate

Concen: 100.917 ug/l

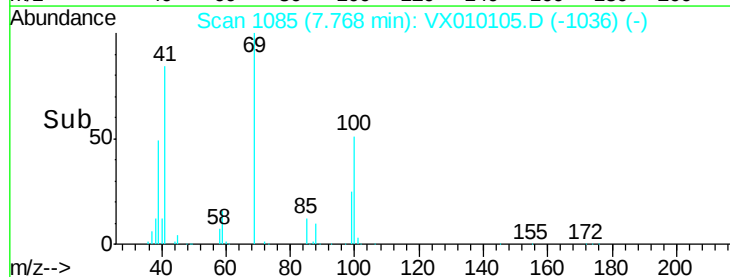
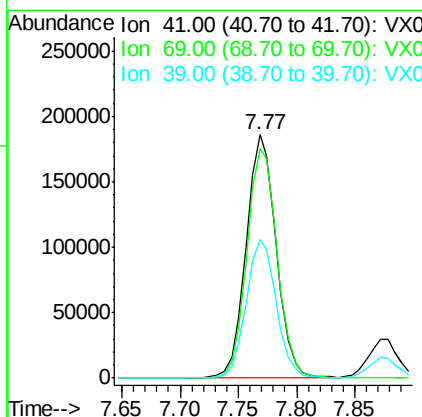
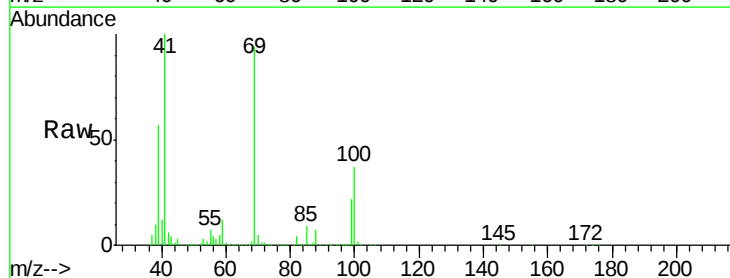
RT: 7.77 min Scan# 1085

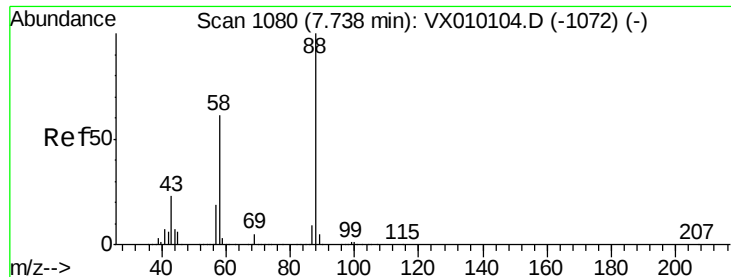
Delta R.T. -0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Tgt Ion:	41	Resp:	331540
Ion Ratio	Lower	Upper	
41	100		
69	95.7	56.4	84.6#
39	57.4	40.6	60.8





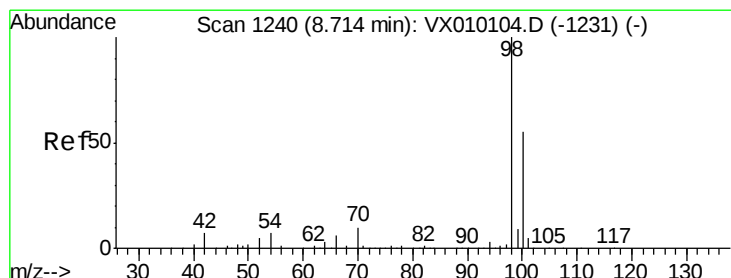
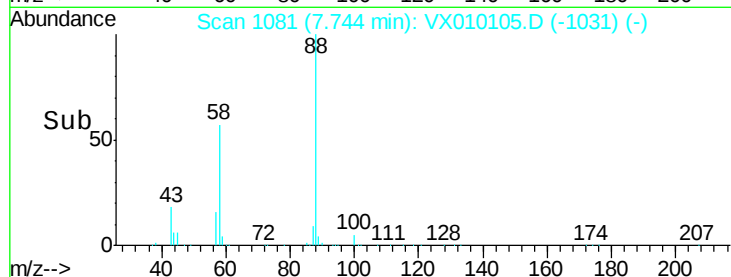
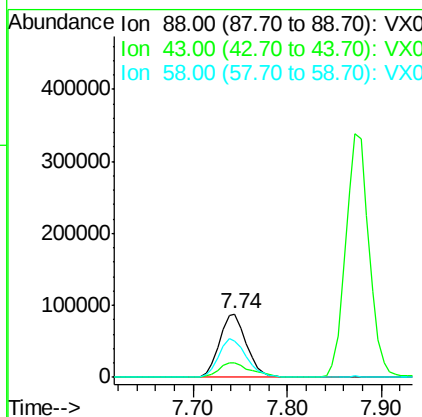
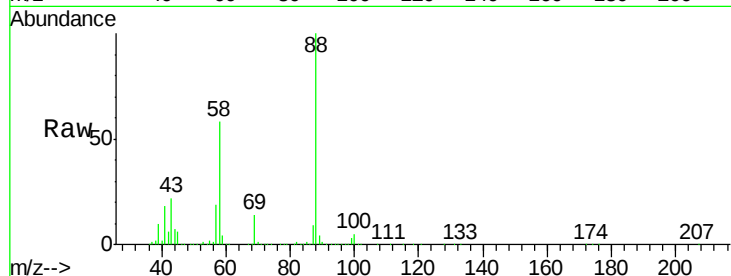
#49
1,4-Dioxane
Concen: 1935.525 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100	174868		
43	26.8	30.2	45.4#	
58	62.5	64.0	96.0#	

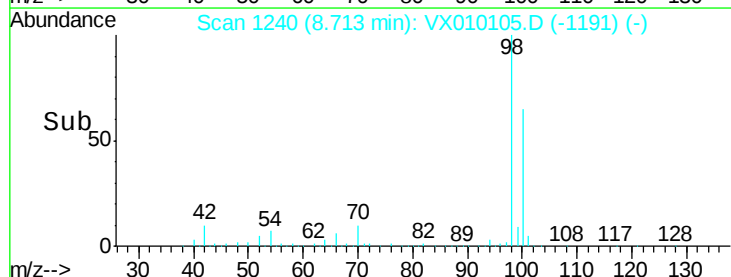
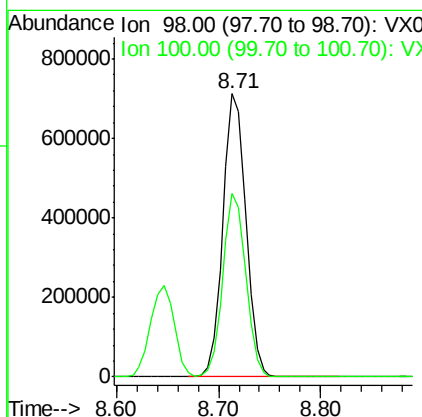
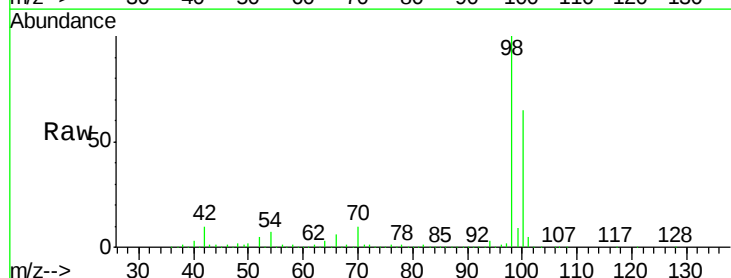
Manual Integrations
APPROVED

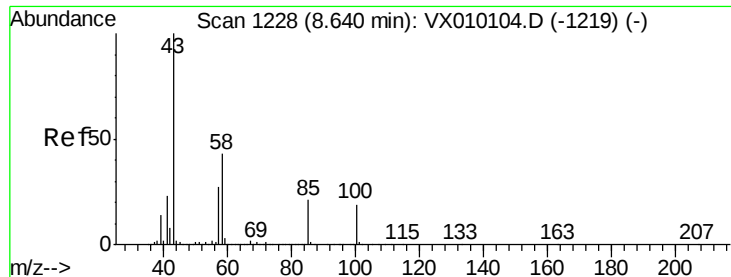
MMDadoda
6/10/2019 10:53:40 AM



#50
Toluene-d8
Concen: 98.326 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1119059		
100	64.5	51.5	77.3	





#51

4-Methyl-2-Pentanone

Concen: 474.294 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 2008288

Ion Ratio Lower Upper

43 100

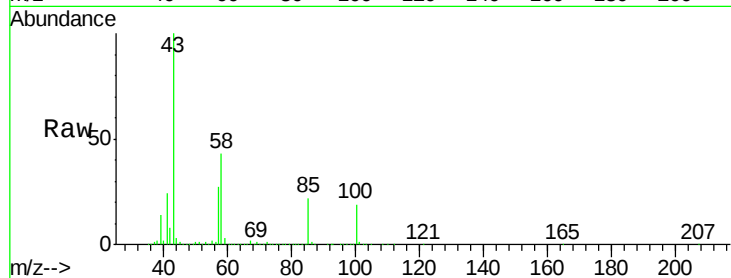
58 42.6 28.8 43.2

Manual Integrations

APPROVED

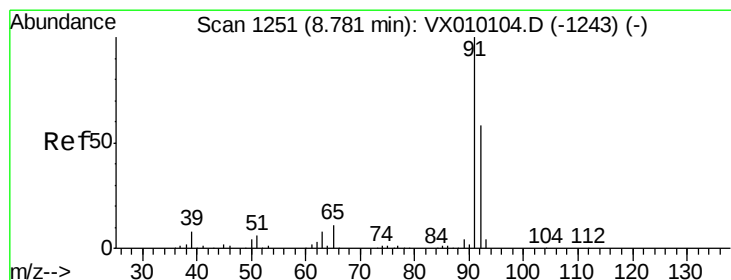
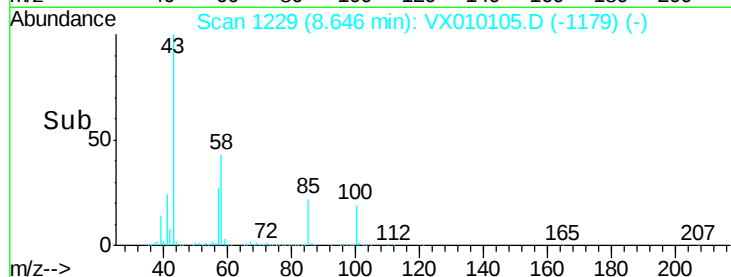
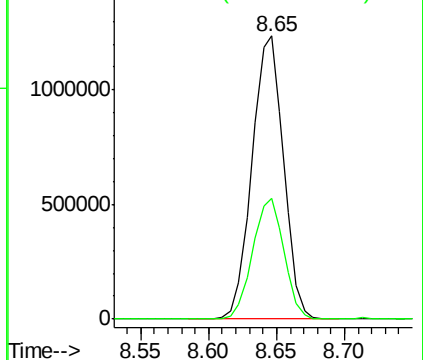
MMDadoda

6/10/2019 10:53:40 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 101.846 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX010105.D

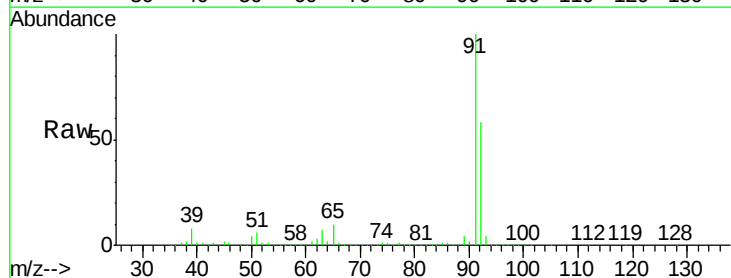
Acq: 07 Jun 2019 13:04

Tgt Ion: 92 Resp: 802903

Ion Ratio Lower Upper

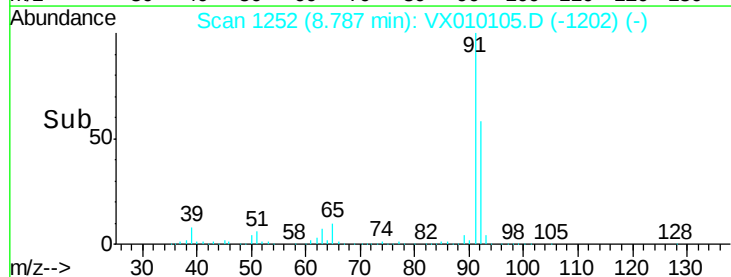
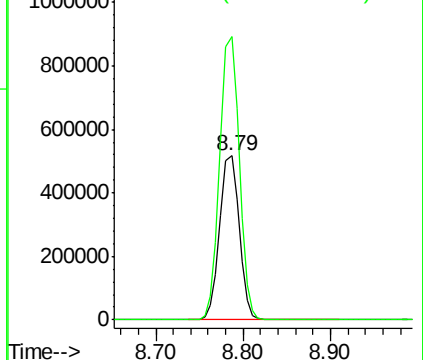
92 100

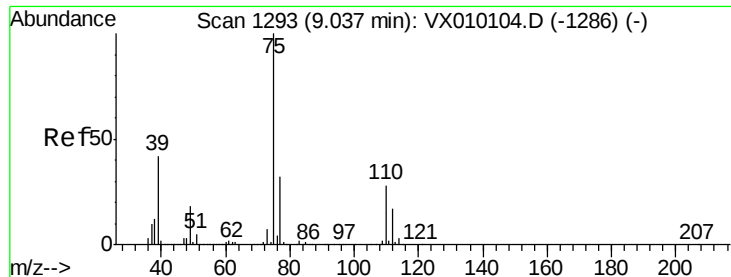
91 172.7 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





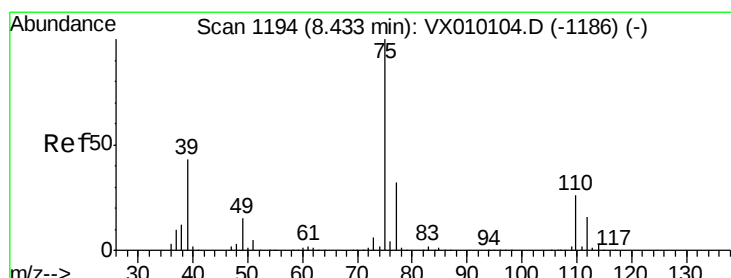
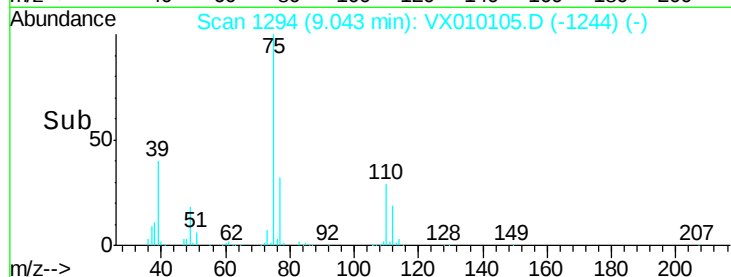
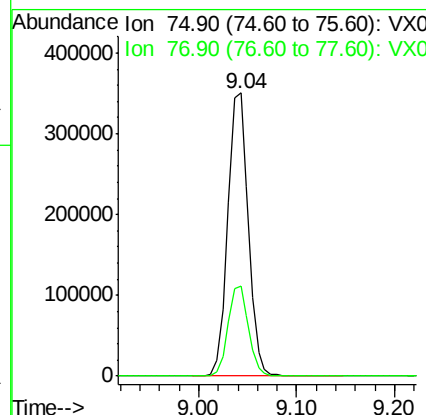
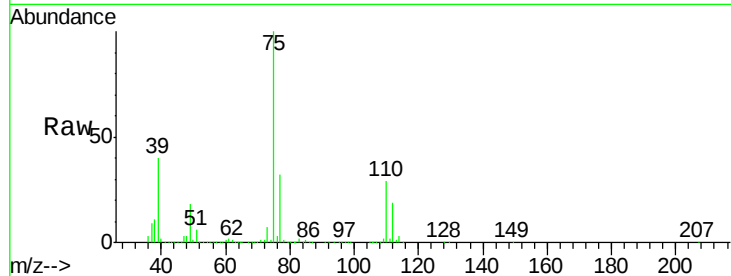
#53
t-1,3-Dichloropropene
Concen: 102.937 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 510409
Ion Ratio Lower Upper
75 100
77 31.6 24.6 36.8

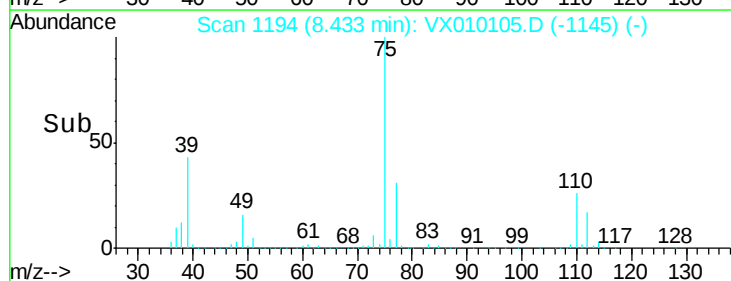
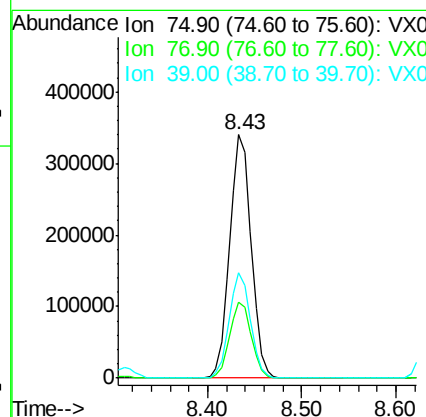
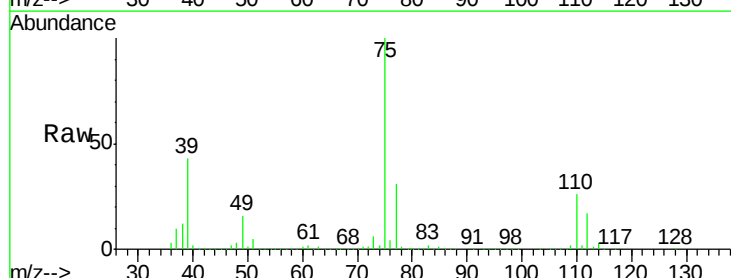
Manual Integrations
APPROVED

MMDadoda
6/10/2019 10:53:40 AM



#54
cis-1,3-Dichloropropene
Concen: 102.526 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Tgt Ion: 75 Resp: 539171
Ion Ratio Lower Upper
75 100
77 31.3 24.8 37.2
39 43.3 43.4 65.0#





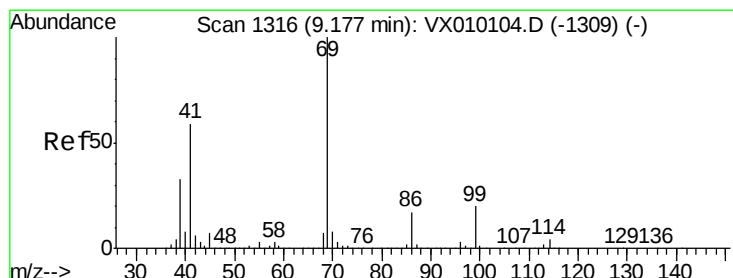
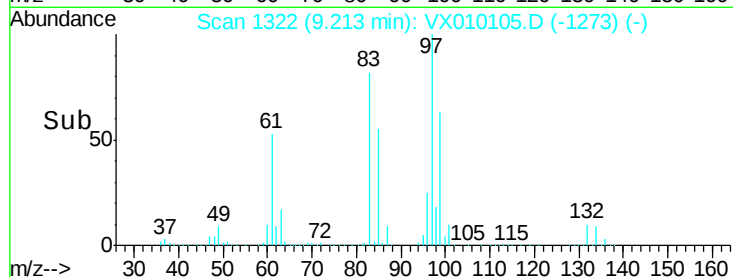
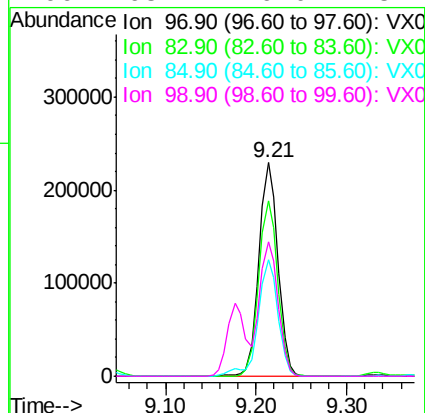
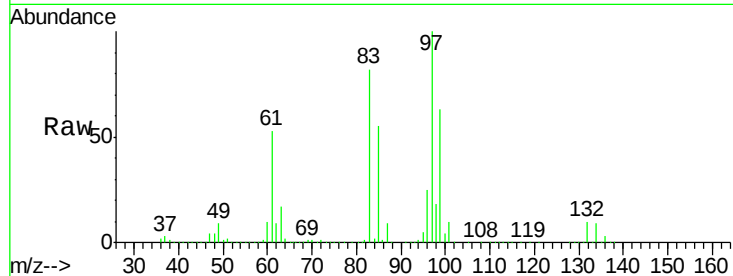
#55
 1,1,2-Trichloroethane
 Concen: 101.168 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010105.D
 Acq: 07 Jun 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
97	100	333836		
83	82.3	69.8	104.8	
85	54.5	45.3	67.9	
99	63.2	49.0	73.4	

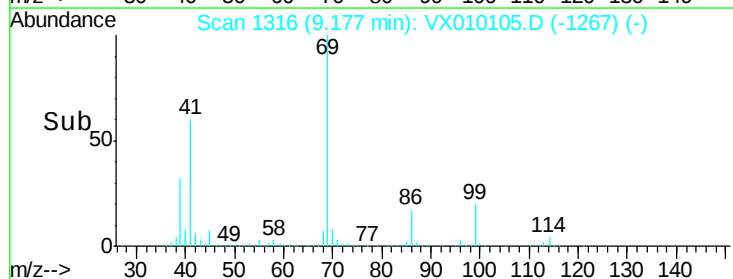
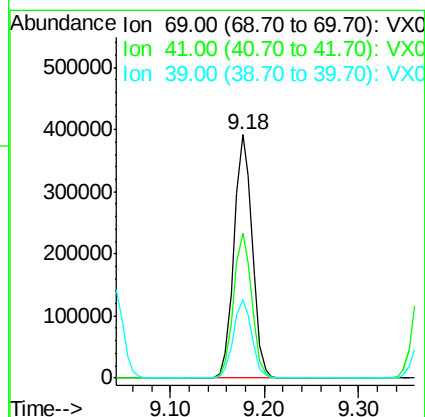
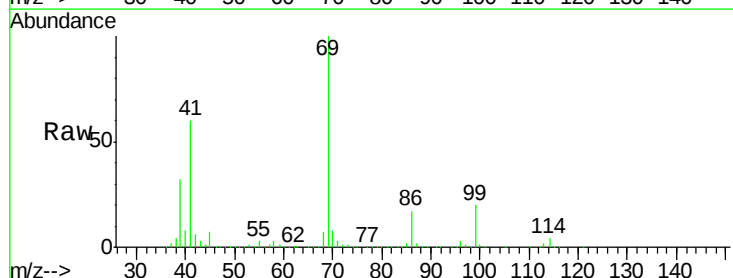
Manual Integrations
 APPROVED

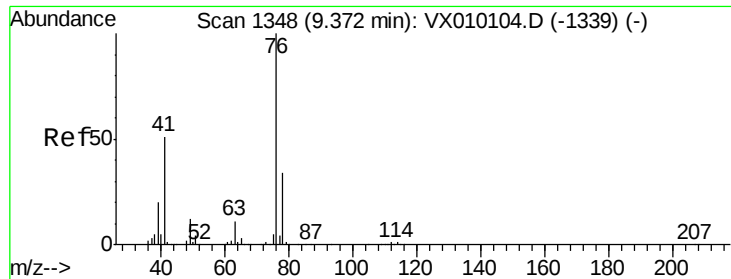
MMDadoda
 6/10/2019 10:53:40 AM



#56
 Ethyl methacrylate
 Concen: 99.397 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010105.D
 Acq: 07 Jun 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	525445		
41	59.2	62.7	94.1#	
39	32.5	29.5	44.3	





#57

1,3-Dichloropropane

Concen: 101.223 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 518556

Ion Ratio Lower Upper

76 100

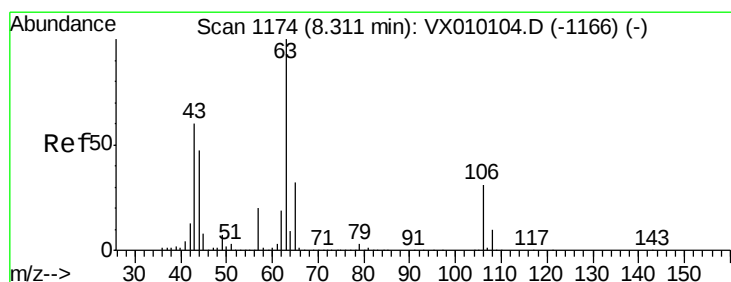
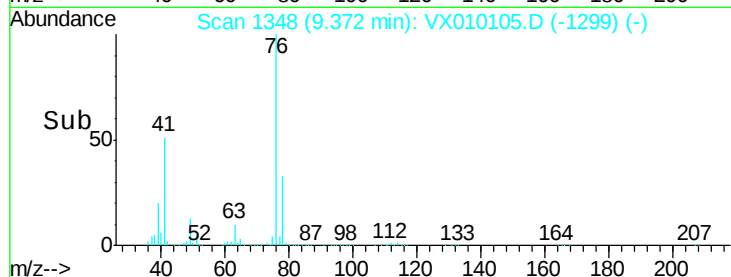
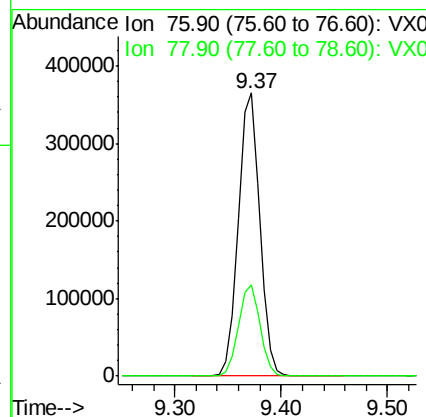
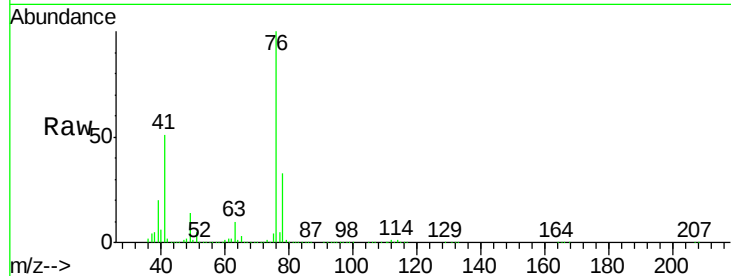
78 32.5 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

6/10/2019 10:53:40 AM



#58

2-Chloroethyl Vinyl ether

Concen: 475.538 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX010105.D

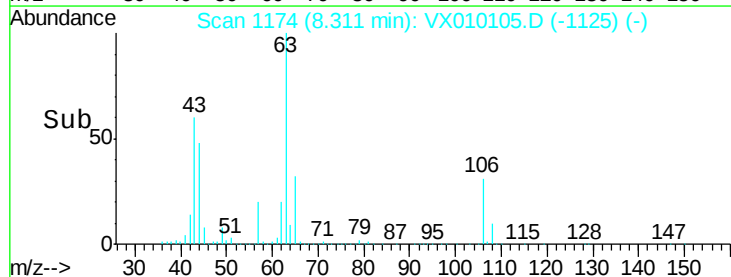
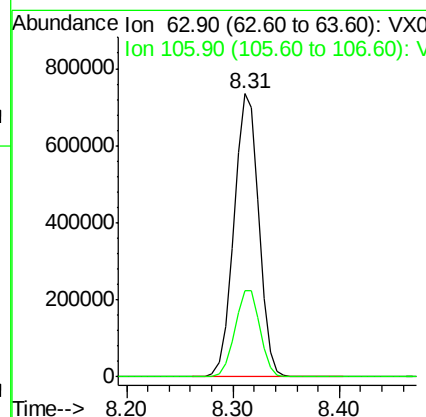
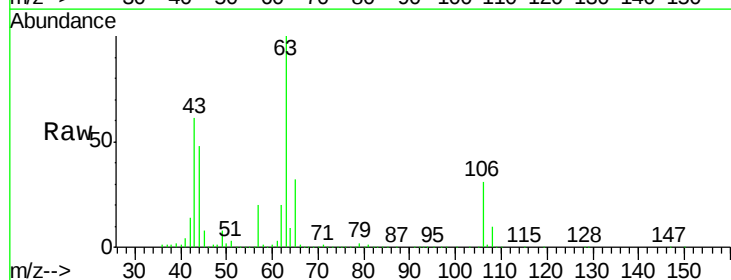
Acq: 07 Jun 2019 13:04

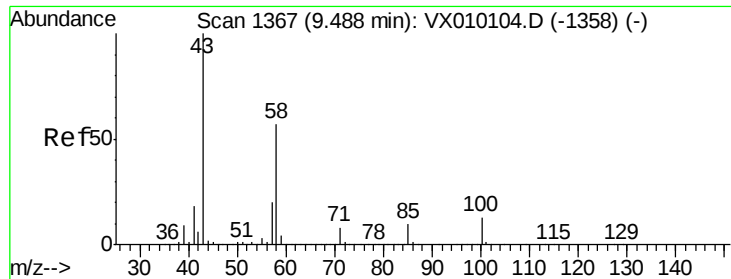
Tgt Ion: 63 Resp: 1199810

Ion Ratio Lower Upper

63 100

106 31.0 19.4 29.2#





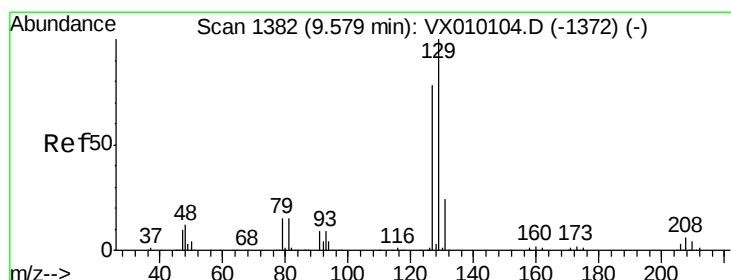
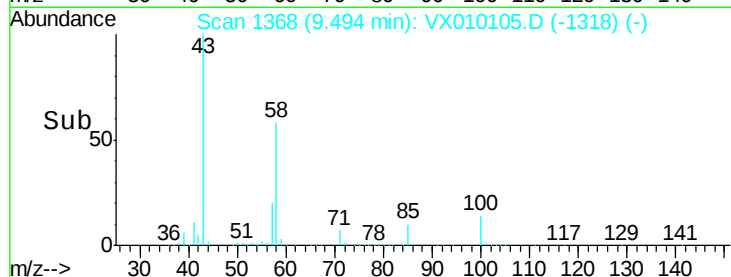
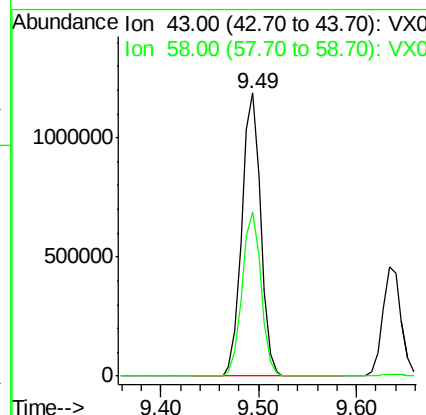
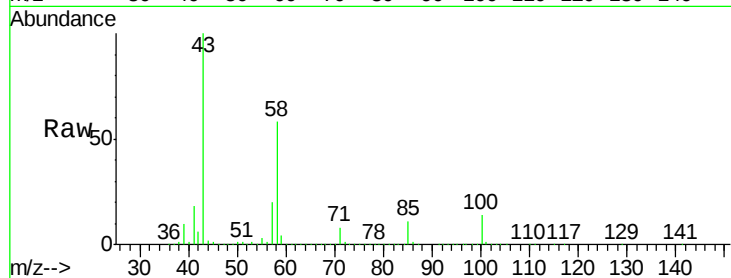
#59
2-Hexanone
Concen: 473.176 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 1585410
Ion Ratio Lower Upper
43 100
58 58.4 25.1 75.3

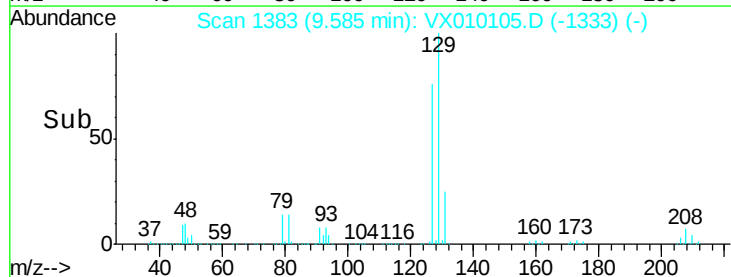
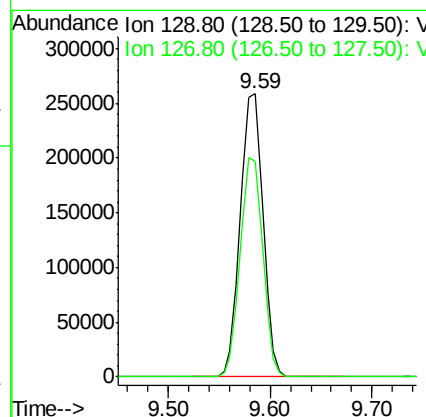
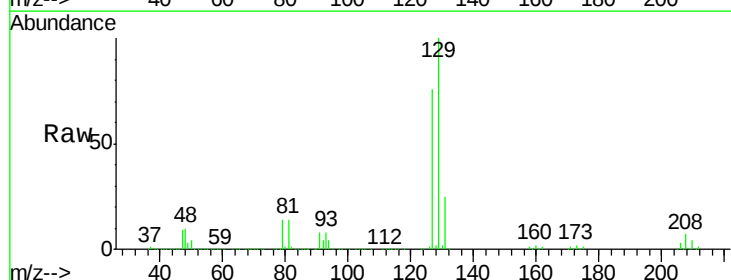
Manual Integrations
APPROVED

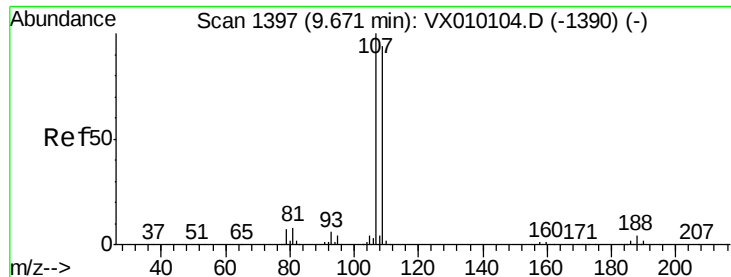
MMDadoda
6/10/2019 10:53:40 AM



#60
Dibromochloromethane
Concen: 101.830 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Tgt Ion: 129 Resp: 397376
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 100.672 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 364402

Ion Ratio Lower Upper

107 100

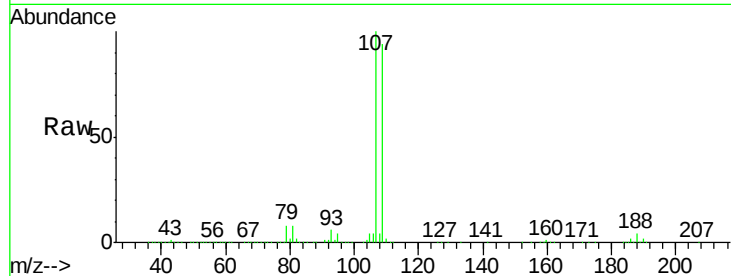
109 94.9 75.4 113.2

Manual Integrations

APPROVED

MMDadoda

6/10/2019 10:53:40 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

250000

200000

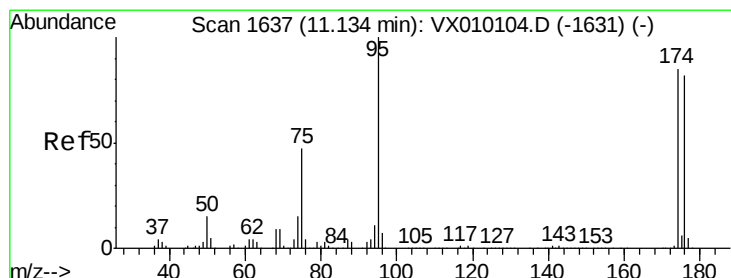
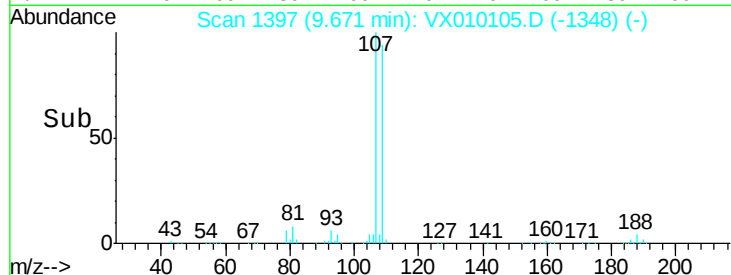
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 97.151 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

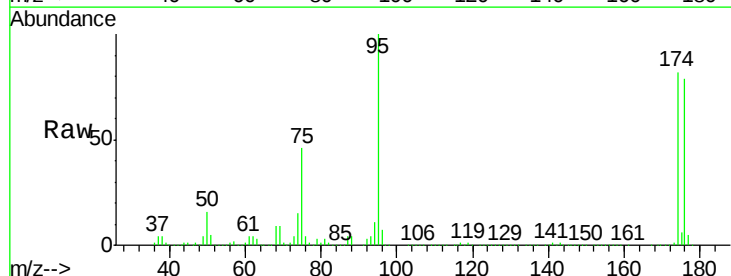
Tgt Ion: 95 Resp: 413830

Ion Ratio Lower Upper

95 100

174 87.1 0.0 160.4

176 84.4 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

400000

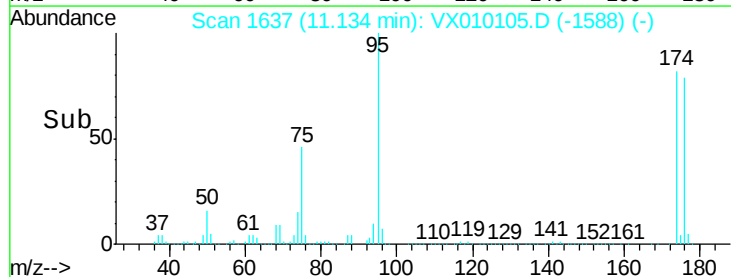
300000

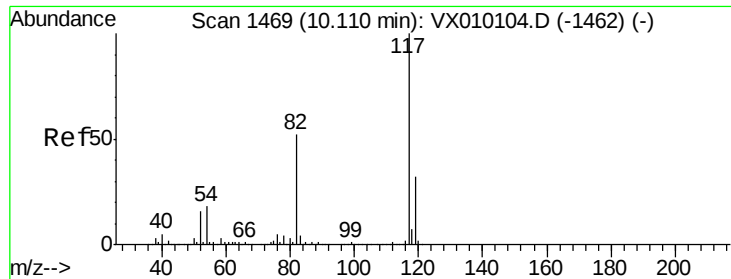
200000

100000

0

Time-->





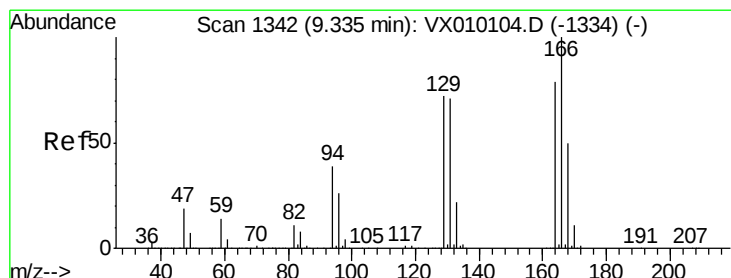
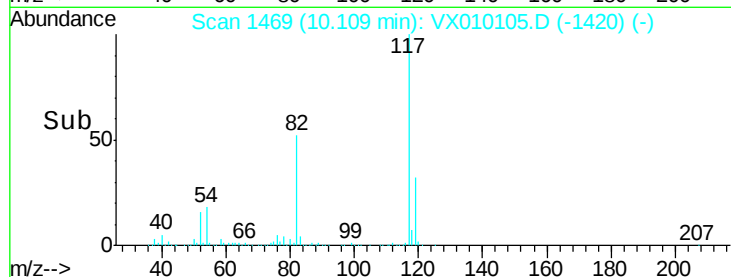
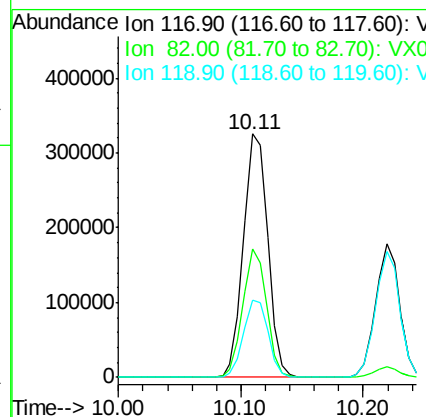
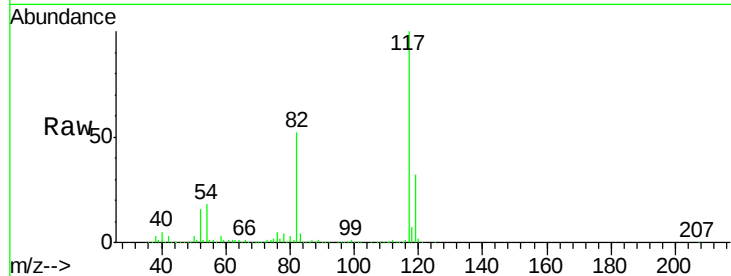
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	447111		
82	52.4	49.2	73.8	
119	31.9	25.2	37.8	

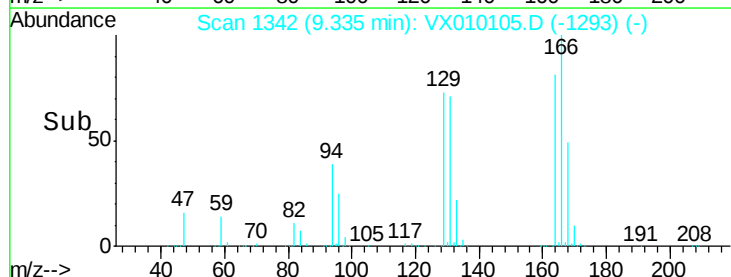
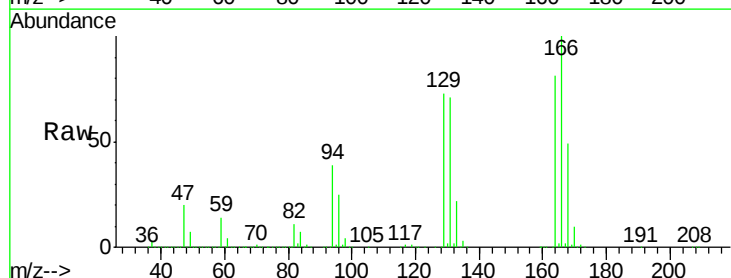
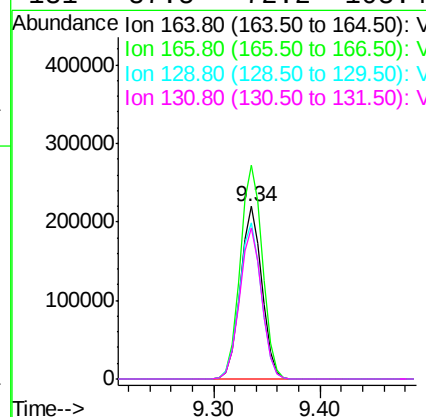
Manual Integrations
APPROVED

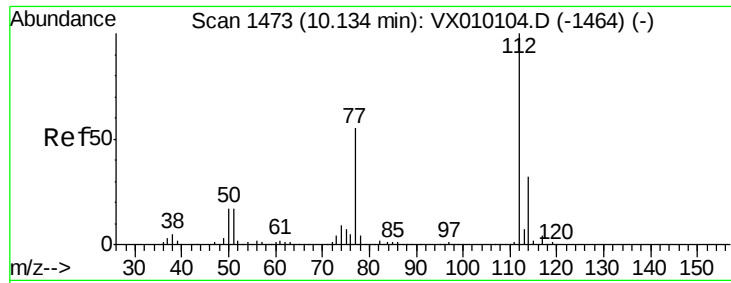
MMDadoda
6/10/2019 10:53:40 AM



#64
Tetrachloroethene
Concen: 100.359 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	312201		
166	124.0	105.0	157.4	
129	91.0	75.1	112.7	
131	87.5	72.2	108.4	





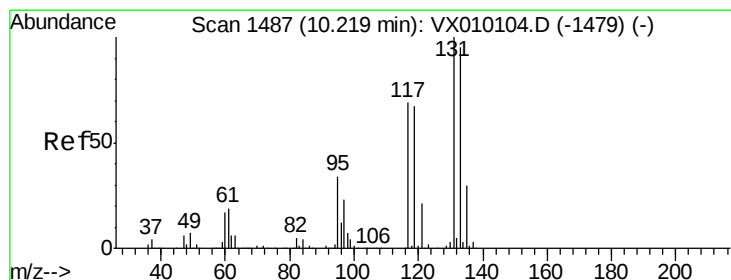
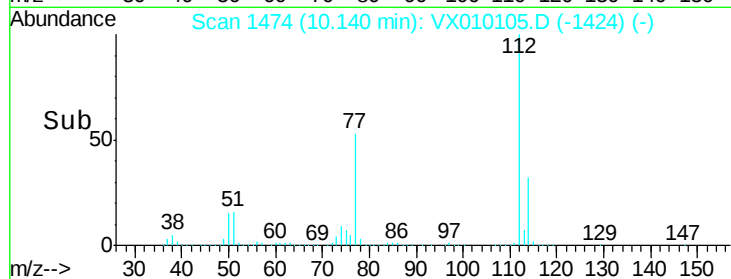
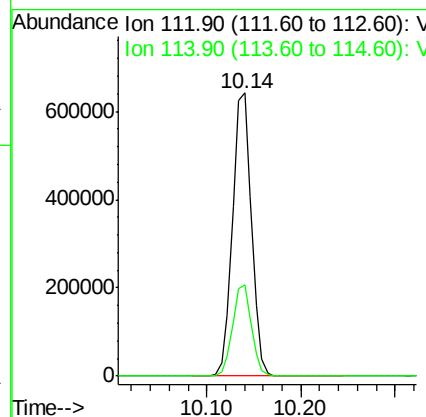
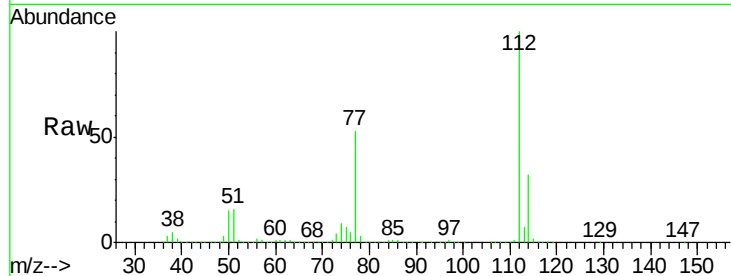
#65
Chlorobenzene
Concen: 100.491 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 895244
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8

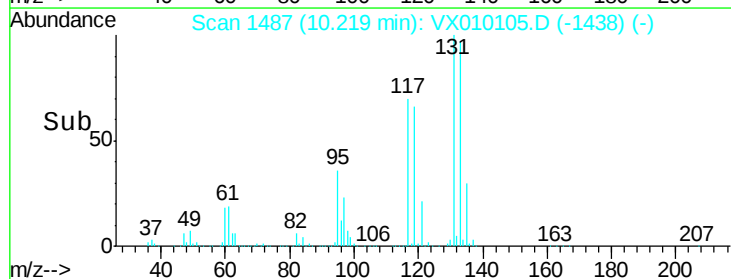
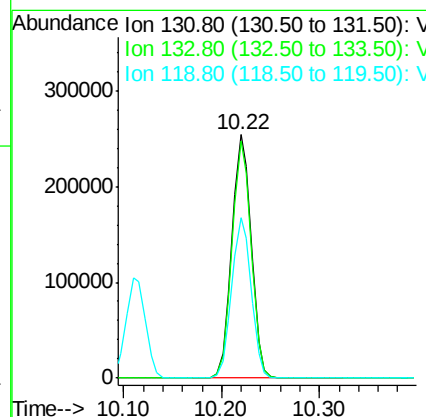
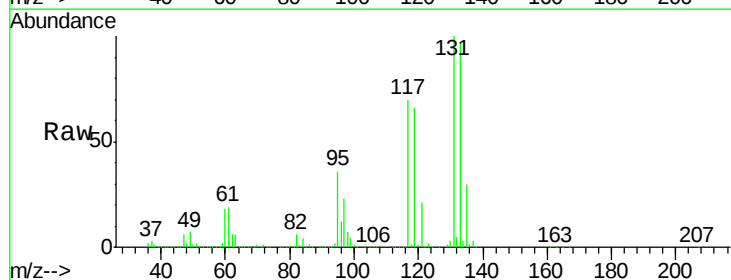
Manual Integrations
APPROVED

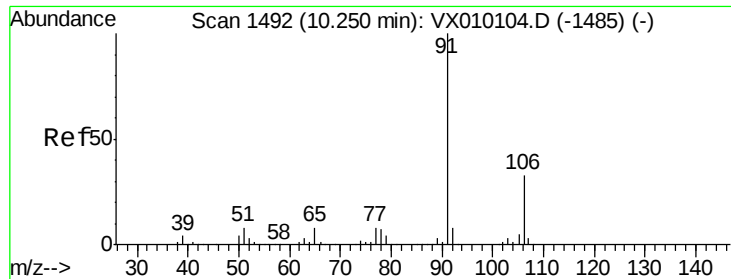
MMDadoda
6/10/2019 10:53:40 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 101.945 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Tgt Ion:131 Resp: 349968
Ion Ratio Lower Upper
131 100
133 96.1 47.5 142.6
119 66.2 33.4 100.1





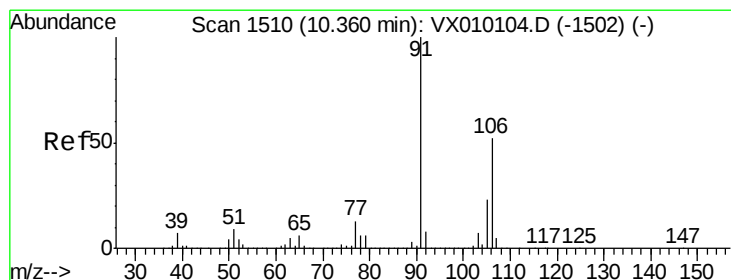
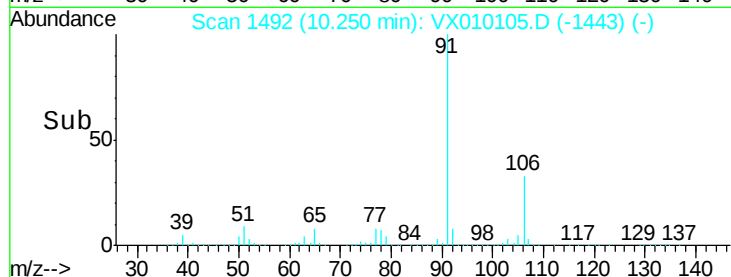
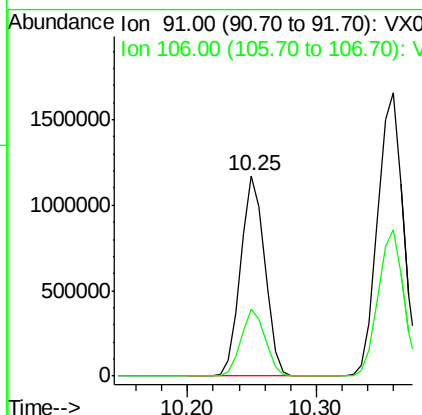
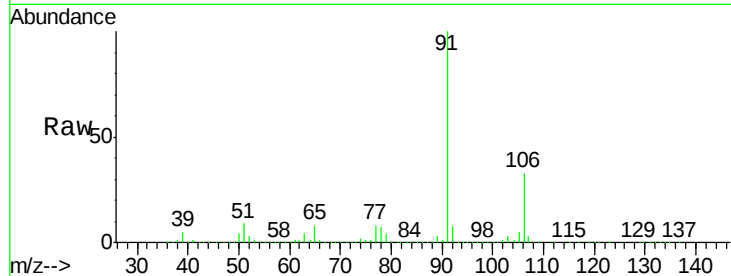
#67
Ethyl Benzene
Concen: 100.296 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1523077
Ion Ratio Lower Upper
91 100
106 33.2 23.9 35.9

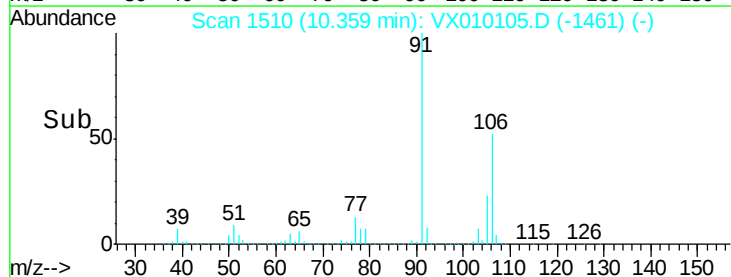
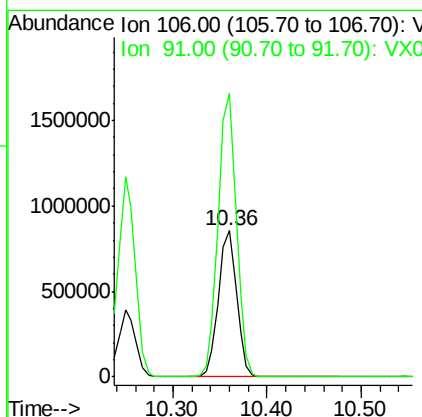
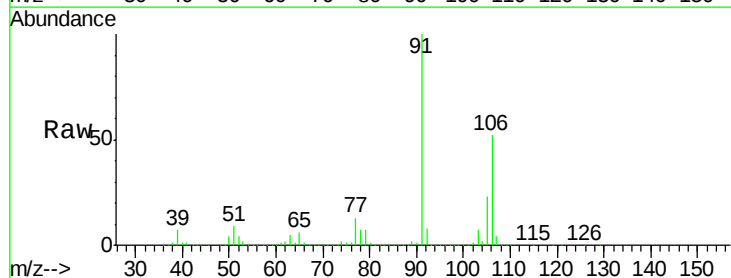
Manual Integrations
APPROVED

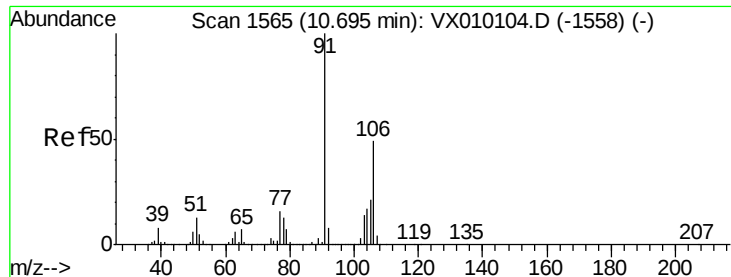
MMDadoda
6/10/2019 10:53:40 AM



#68
m/p-Xylenes
Concen: 197.075 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Tgt Ion: 106 Resp: 1158284
Ion Ratio Lower Upper
106 100
91 195.0 167.3 250.9





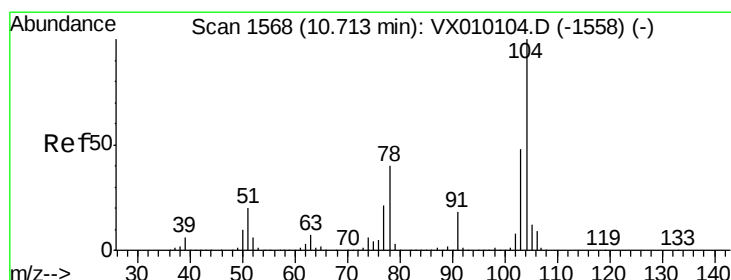
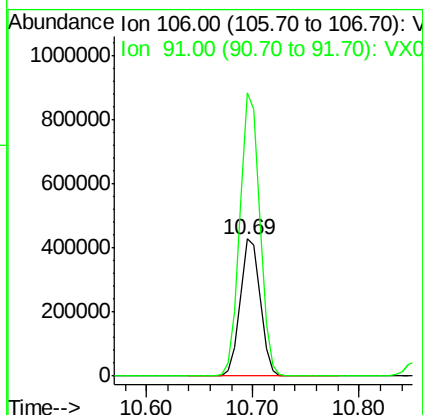
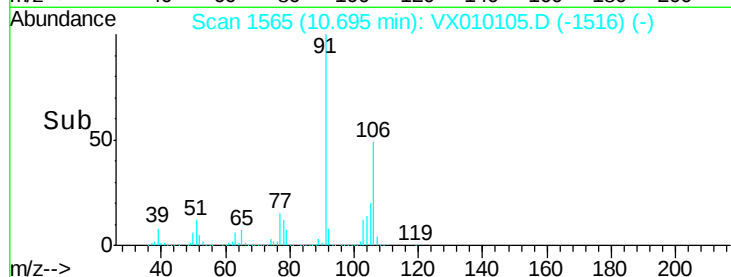
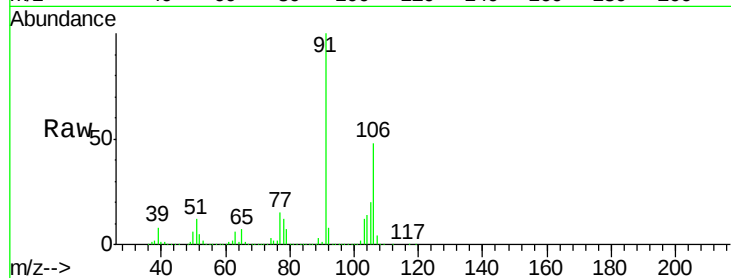
#69
o-Xylene
Concen: 98.833 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	205.3	110.4	331.2	

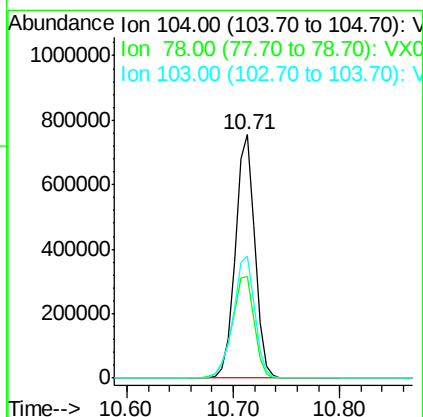
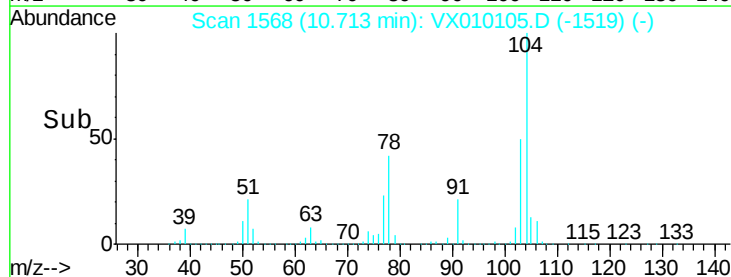
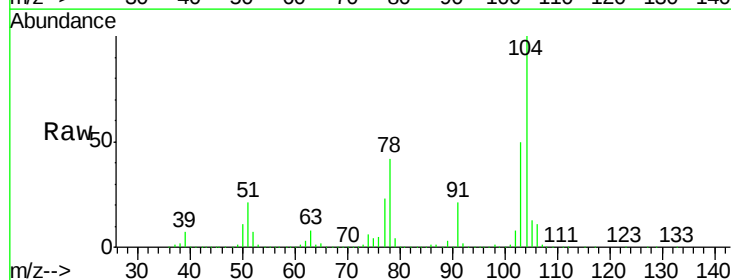
Manual Integrations
APPROVED

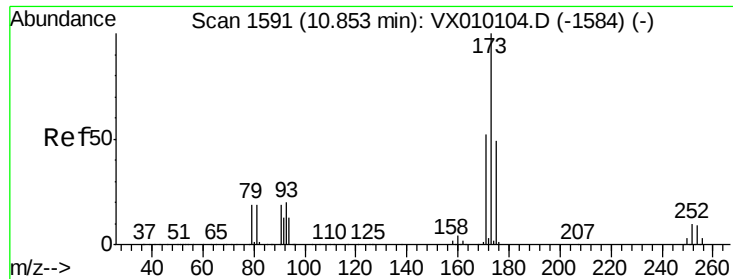
MMDadoda
6/10/2019 10:53:40 AM



#70
Styrene
Concen: 96.756 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	47.6	42.1	63.1	
103	55.2	44.1	66.1	





#71

Bromoform

Concen: 100.634 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 320520

Ion Ratio Lower Upper

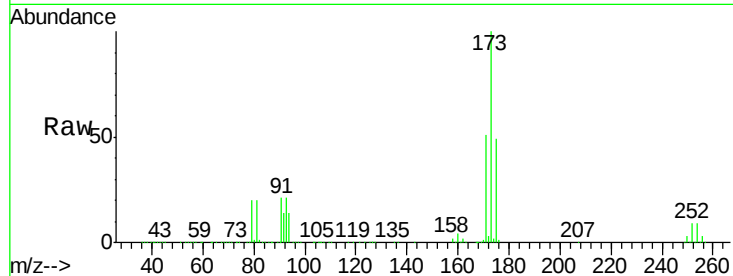
173 100

175 48.7 25.0 75.0

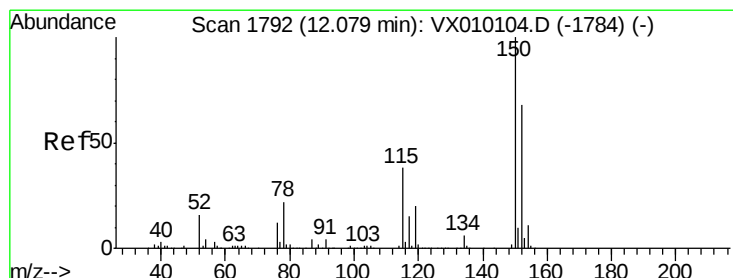
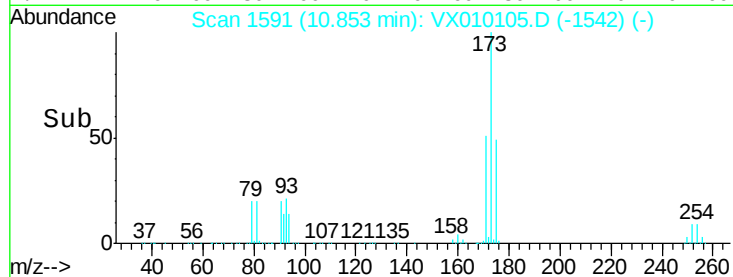
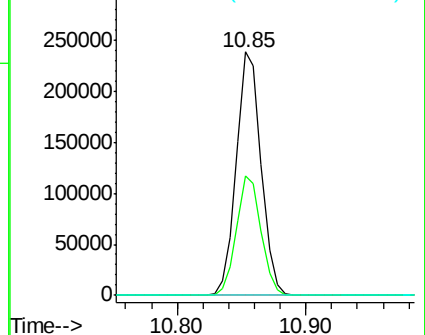
254 0.1 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda
6/10/2019 10:53:40 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: VX010105.D

Acq: 07 Jun 2019 13:04

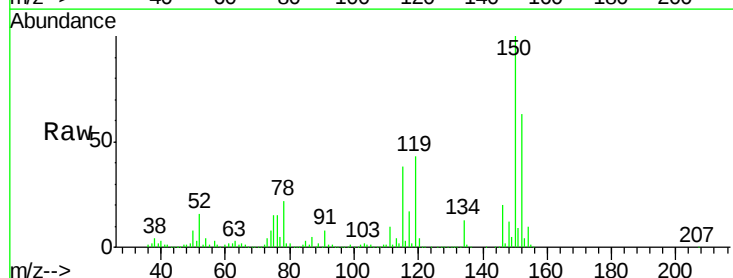
Tgt Ion:152 Resp: 215292

Ion Ratio Lower Upper

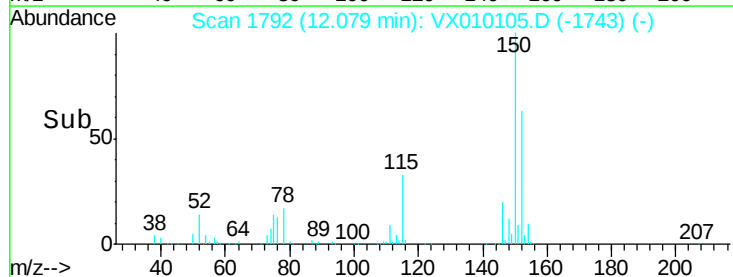
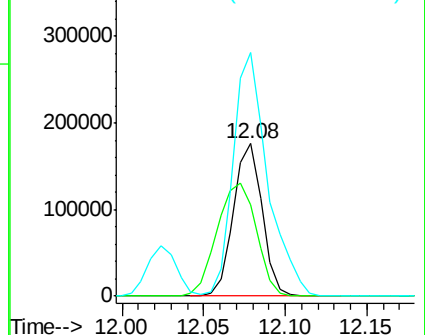
152 100

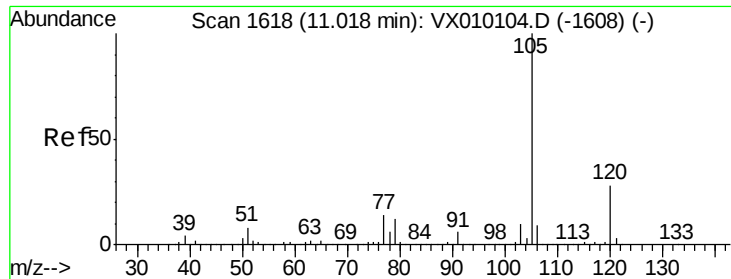
115 102.5 41.4 124.2

150 192.0 0.0 345.2



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: 103.000 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1500313

Ion Ratio Lower Upper

105 100

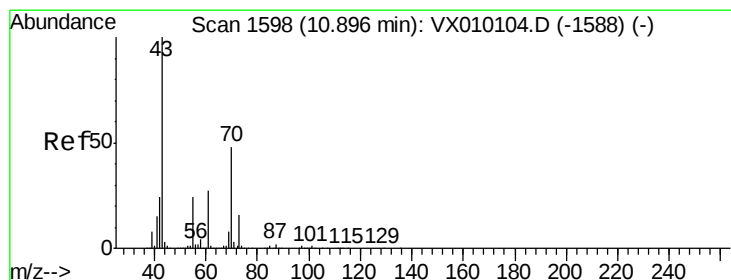
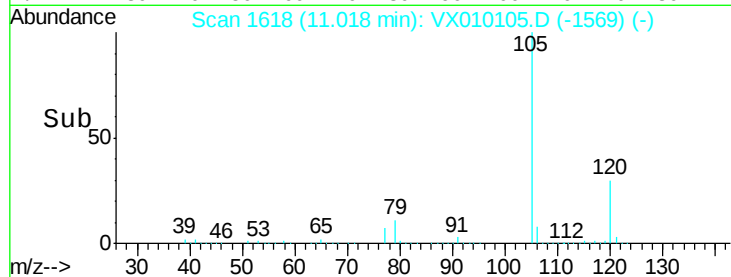
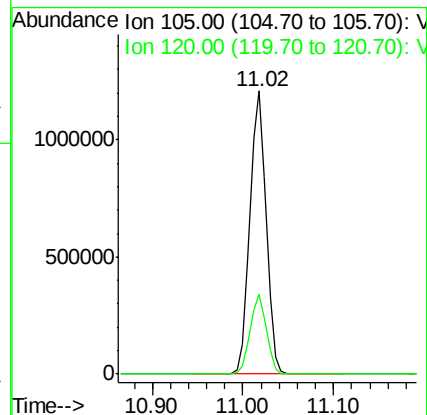
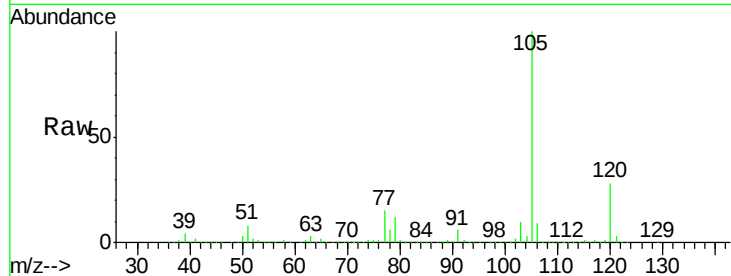
120 28.2 12.8 38.4

Manual Integrations

APPROVED

MMDadoda

6/10/2019 10:53:40 AM



#74

N-ethyl acetate

Concen: 102.812 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Tgt Ion: 43 Resp: 597533

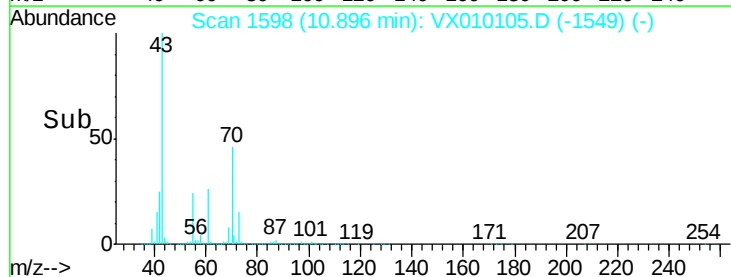
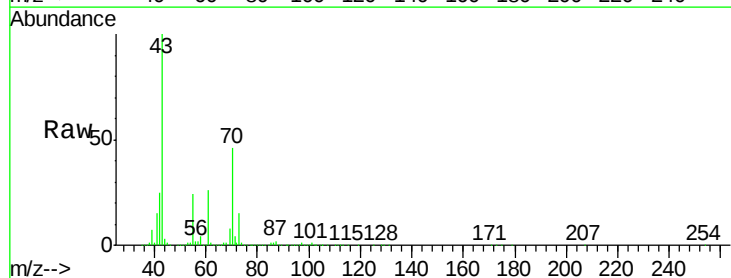
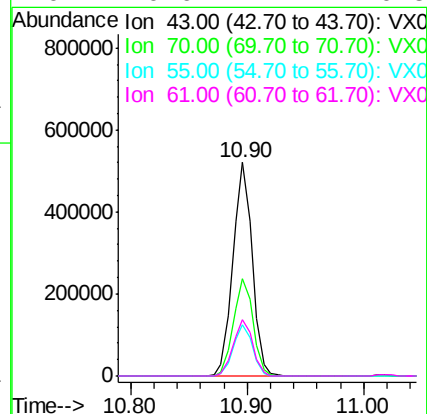
Ion Ratio Lower Upper

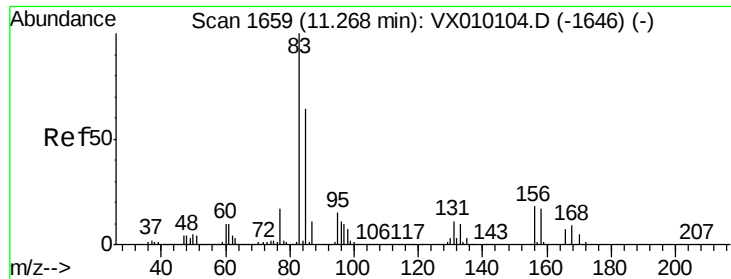
43 100

70 46.4 28.6 43.0#

55 24.0 17.8 26.8

61 26.6 17.7 26.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 100.963 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 497861

Ion Ratio Lower Upper

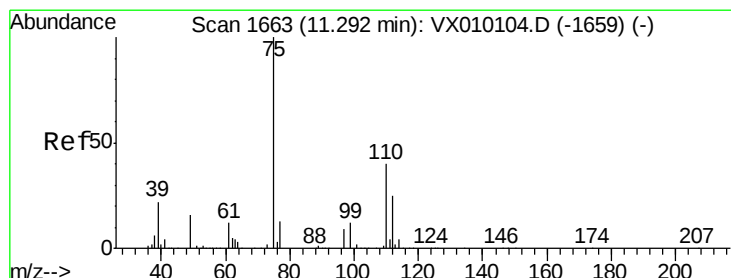
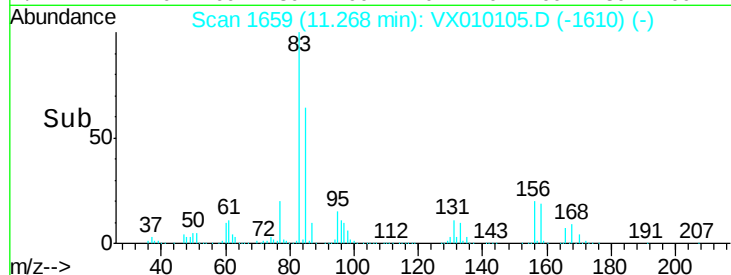
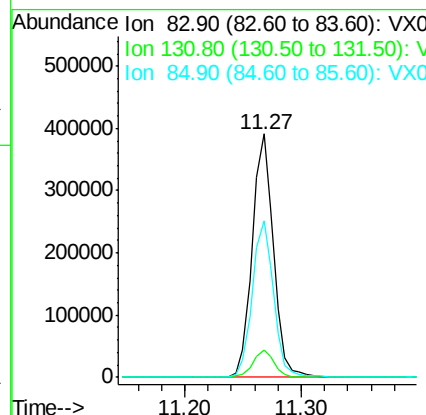
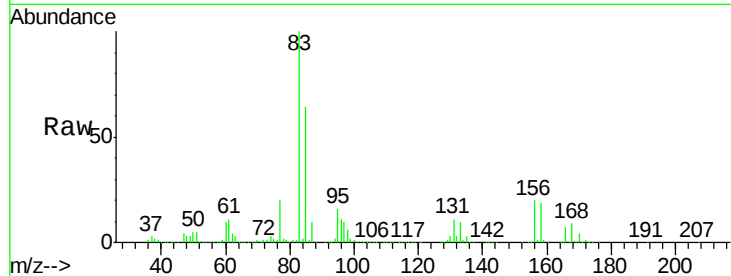
83 100

131 11.2 4.7 14.1

85 64.9 31.9 95.9

Manual Integrations
APPROVED

MMDadoda
6/10/2019 10:53:40 AM



#76

1,2,3-Trichloropropane

Concen: 100.019 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX010105.D

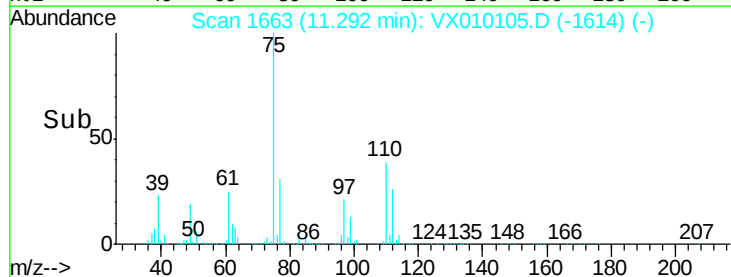
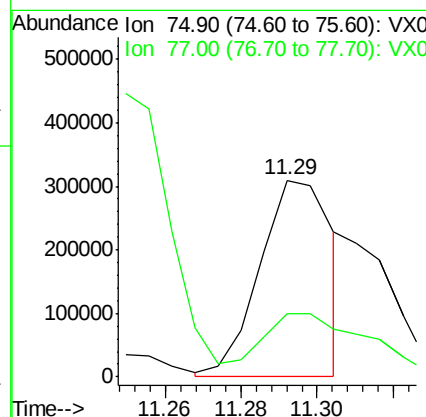
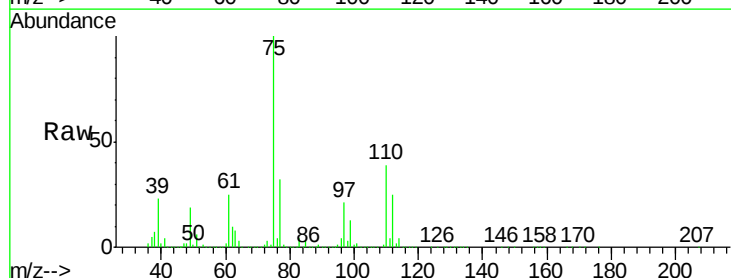
Acq: 07 Jun 2019 13:04

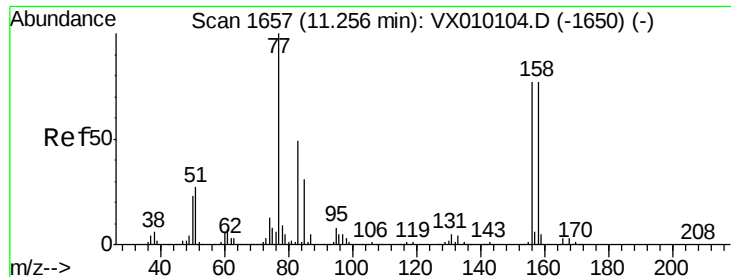
Tgt Ion: 75 Resp: 411876

Ion Ratio Lower Upper

75 100

77 47.3 22.1 66.1





#77

Bromobenzene

Concen: 102.109 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion:156 Resp: 406827

Ion Ratio Lower Upper

156 100

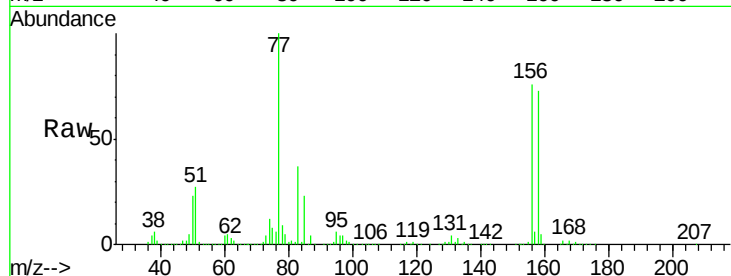
77 140.7 86.8 260.3

158 96.4 49.6 148.8

Manual Integrations
APPROVED

MMDadoda

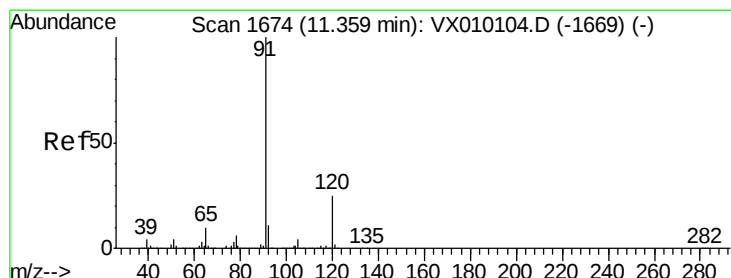
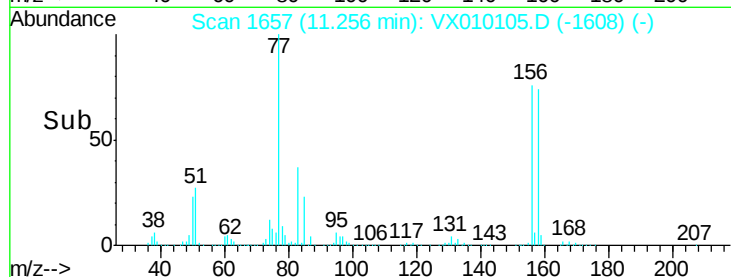
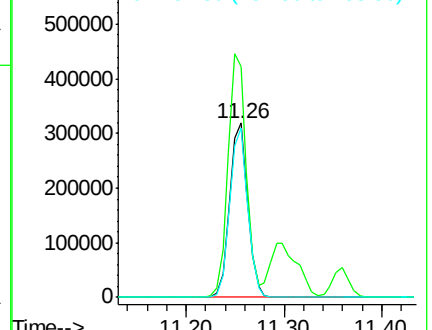
6/10/2019 10:53:40 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 103.178 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010105.D

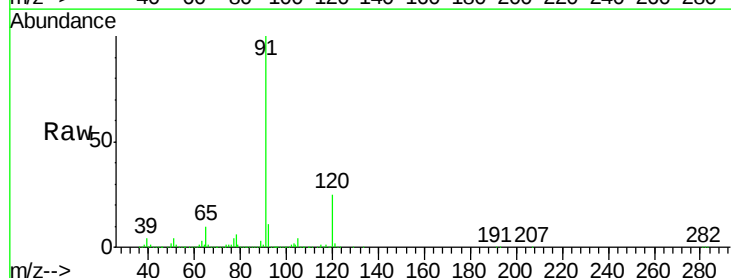
Acq: 07 Jun 2019 13:04

Tgt Ion: 91 Resp: 1688095

Ion Ratio Lower Upper

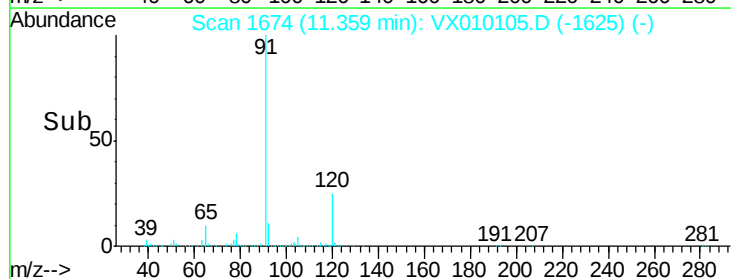
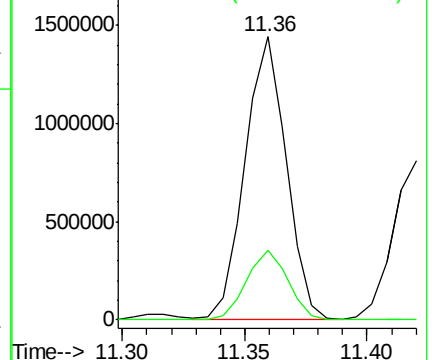
91 100

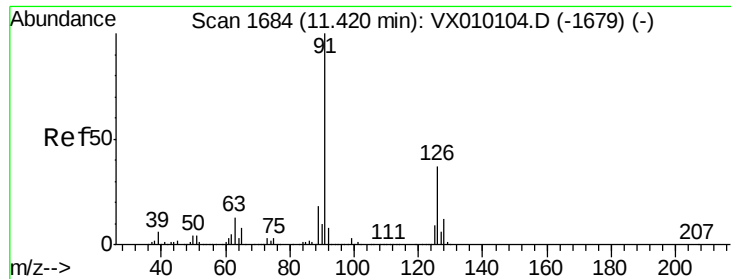
120 24.9 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 101.895 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 991495

Ion Ratio Lower Upper

91 100

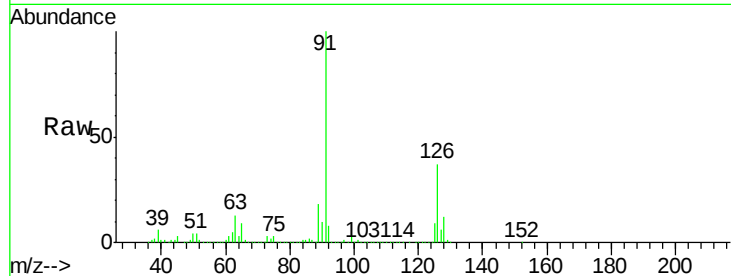
126 36.7 16.1 48.3

Manual Integrations

APPROVED

MMDadoda

6/10/2019 10:53:40 AM



Abundance Ion 91.00 (90.70 to 91.70): VX010105.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX010105.D (-1635) (-)

1500000

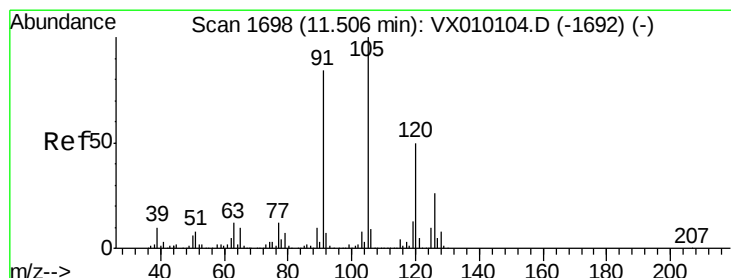
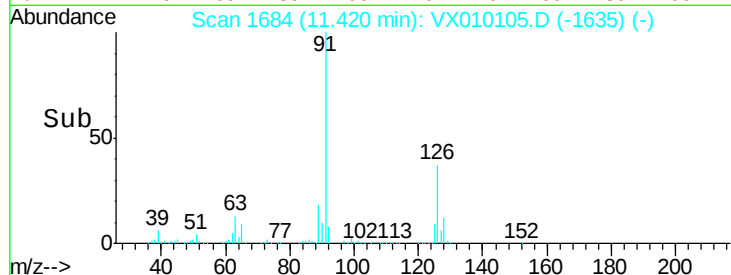
1000000

500000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 101.168 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010105.D

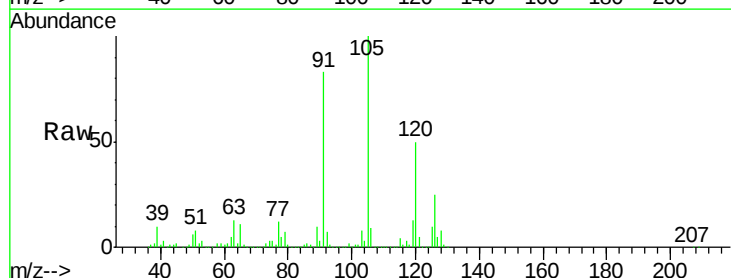
Acq: 07 Jun 2019 13:04

Tgt Ion: 105 Resp: 1232933

Ion Ratio Lower Upper

105 100

120 49.9 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX010105.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX010105.D (-1649) (-)

1200000

1000000

800000

600000

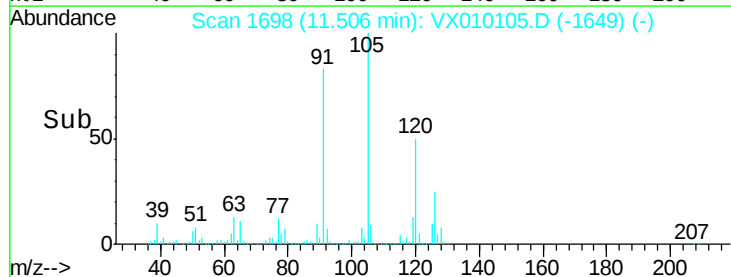
400000

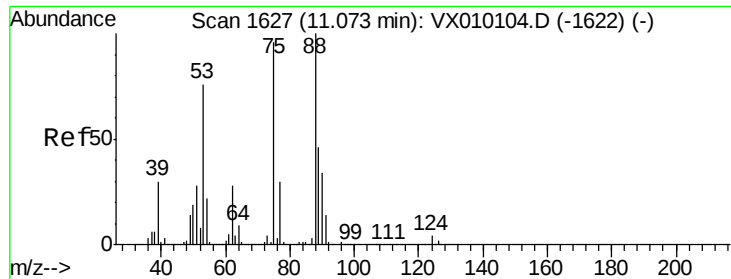
200000

0

11.40 11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 104.593 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 75 Resp: 200805

Ion Ratio Lower Upper

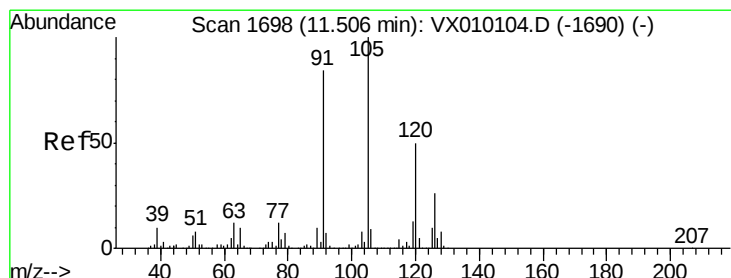
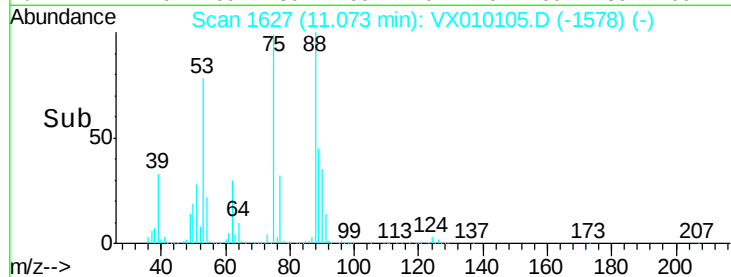
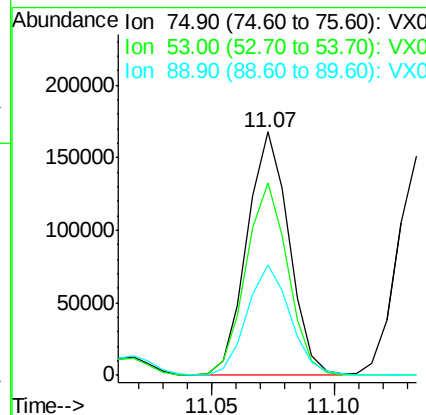
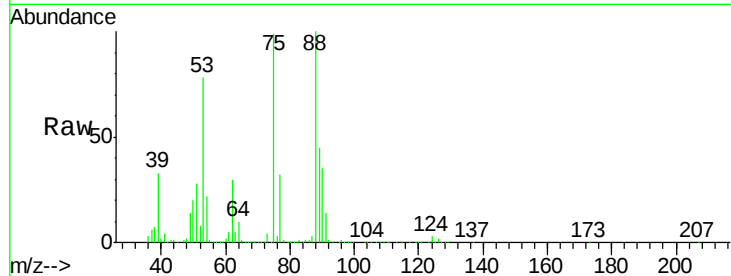
75 100

53 79.1 79.8 119.6#

89 47.2 34.2 51.4

Manual Integrations
APPROVED

MMDadoda
6/10/2019 10:53:40 AM



#82

4-Chlorotoluene

Concen: 99.960 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX010105.D

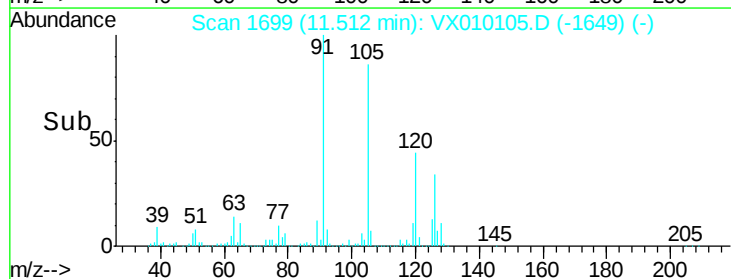
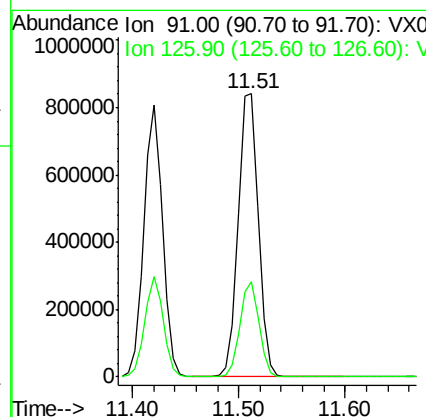
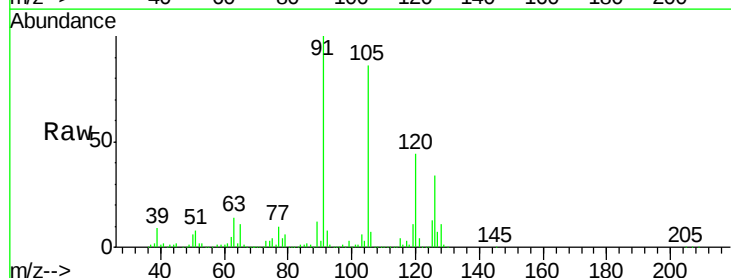
Acq: 07 Jun 2019 13:04

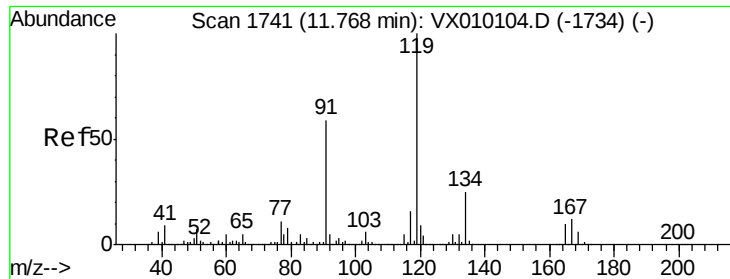
Tgt Ion: 91 Resp: 1124708

Ion Ratio Lower Upper

91 100

126 31.8 14.2 42.6





#83

tert-Butylbenzene

Concen: 100.987 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 1244839

Ion Ratio Lower Upper

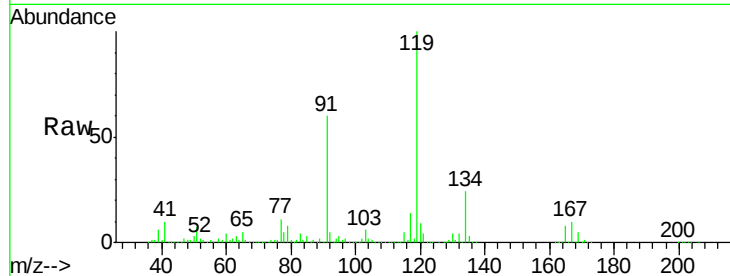
119 100

91 55.6 30.0 90.0

134 23.0 11.2 33.5

Manual Integrations
APPROVED

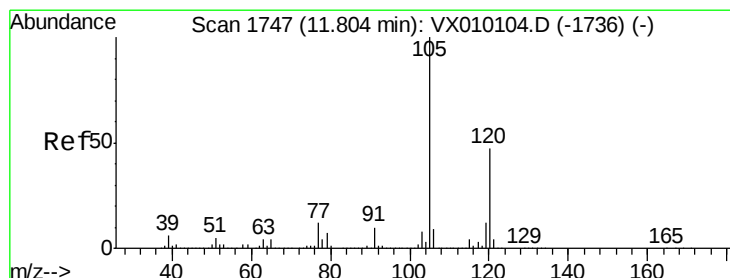
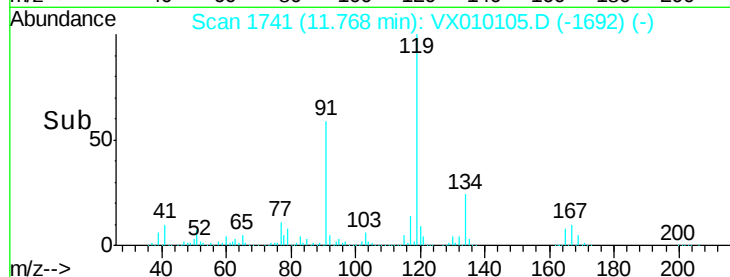
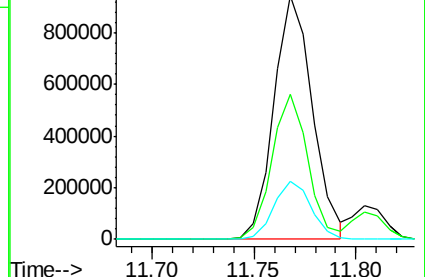
MMDadoda
6/10/2019 10:53:40 AM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 102.183 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX010105.D

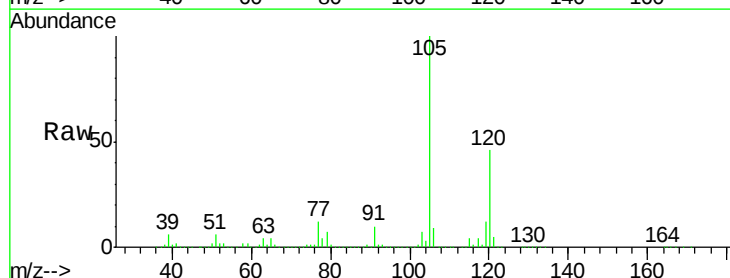
Acq: 07 Jun 2019 13:04

Tgt Ion:105 Resp: 1262178

Ion Ratio Lower Upper

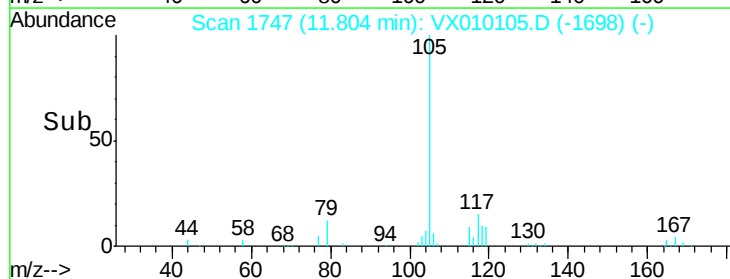
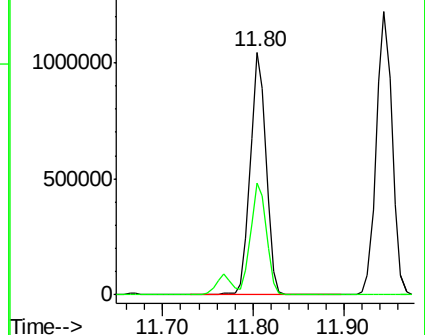
105 100

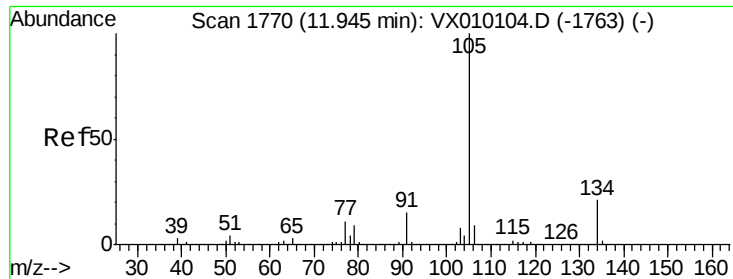
120 45.8 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 101.983 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 1470380

Ion Ratio Lower Upper

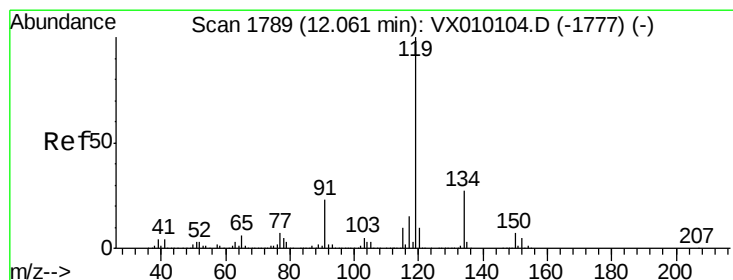
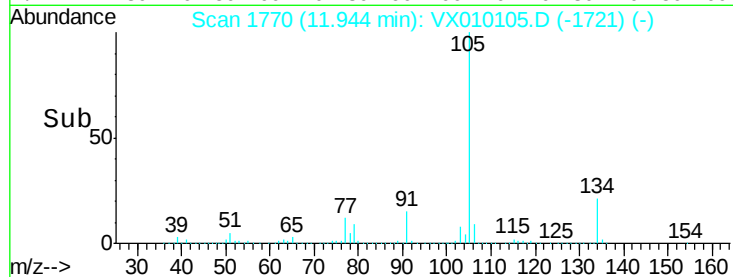
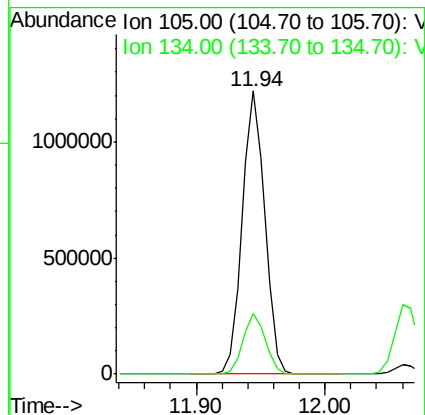
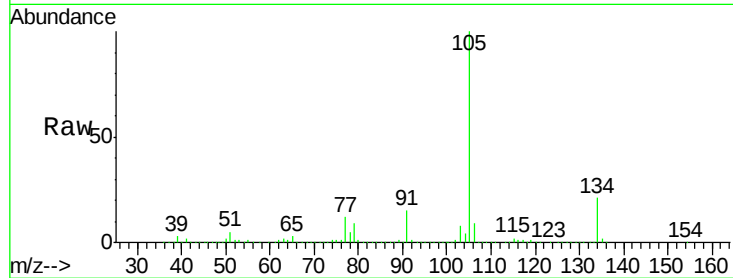
105 100

134 21.3 9.7 28.9

Manual Integrations
APPROVED

MMDadoda

6/10/2019 10:53:40 AM



#86

p-Isopropyltoluene

Concen: 101.398 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

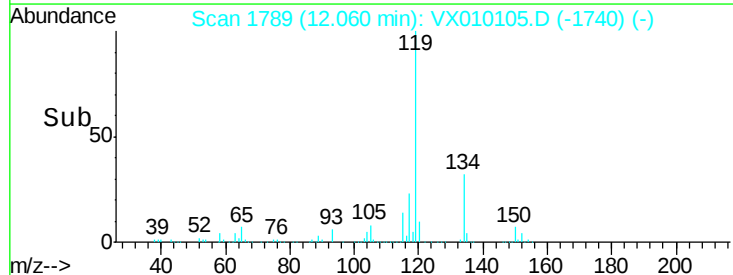
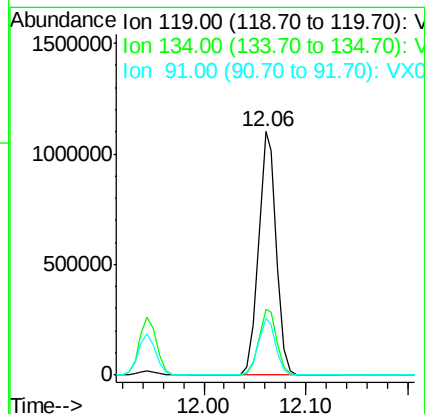
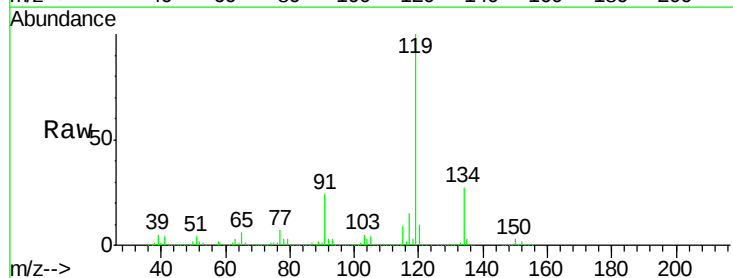
Tgt Ion:119 Resp: 1345219

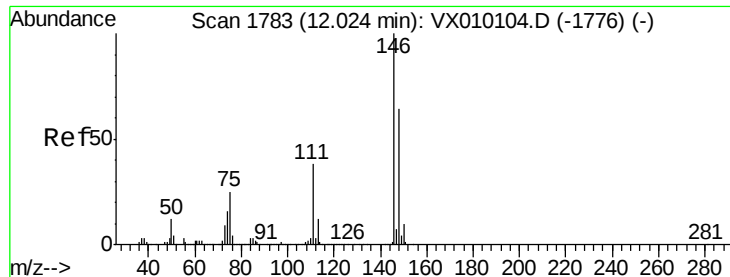
Ion Ratio Lower Upper

119 100

134 27.4 12.9 38.6

91 23.2 11.9 35.9





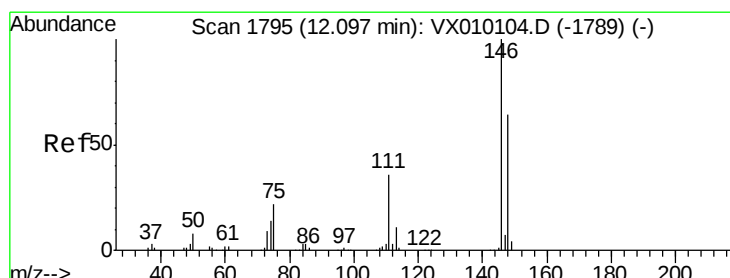
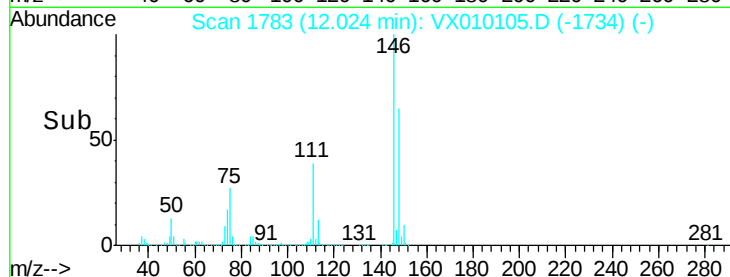
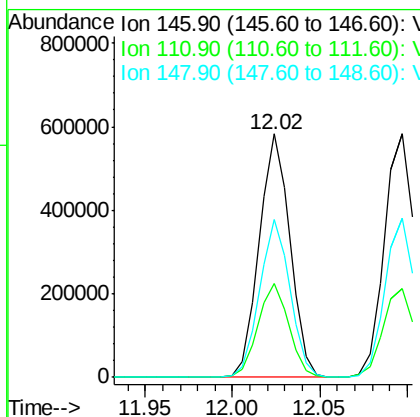
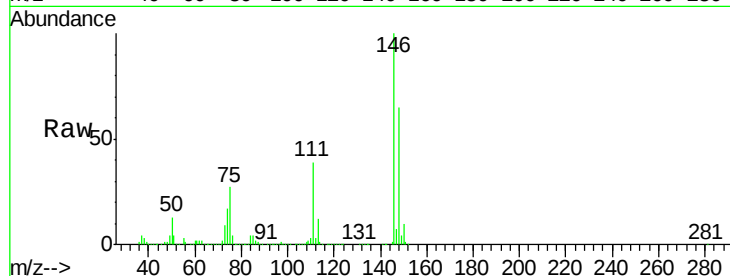
#87
 1,3-Dichlorobenzene
 Concen: 101.234 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010105.D
 Acq: 07 Jun 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	712710		
111	38.5	20.1	60.2	
148	63.9	31.9	95.5	

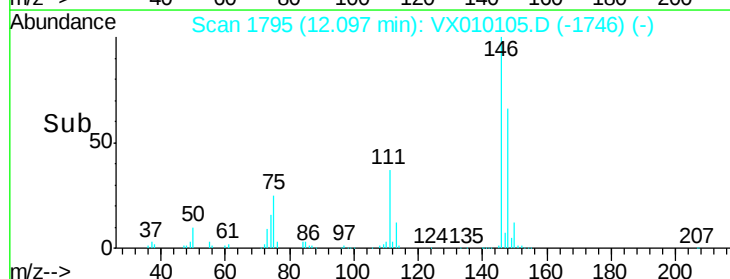
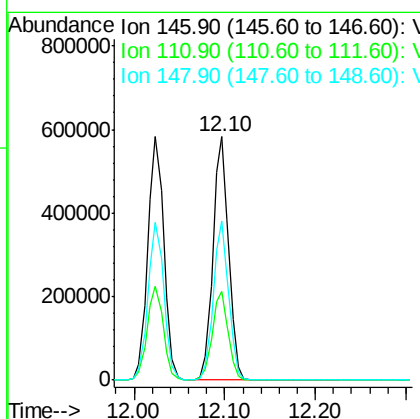
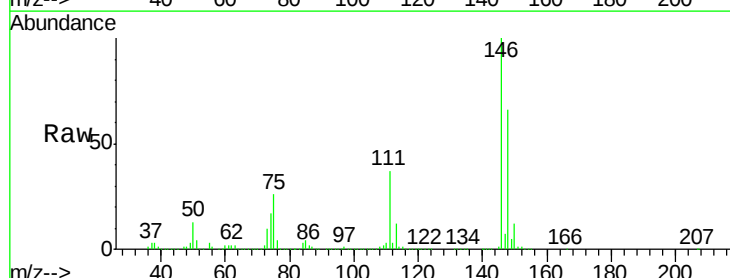
Manual Integrations
 APPROVED

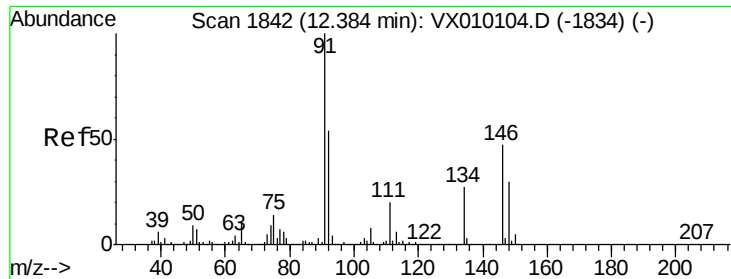
MMDadoda
 6/10/2019 10:53:40 AM



#88
 1,4-Dichlorobenzene
 Concen: 102.112 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010105.D
 Acq: 07 Jun 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	708065		
111	37.1	20.0	59.9	
148	64.4	32.3	96.9	





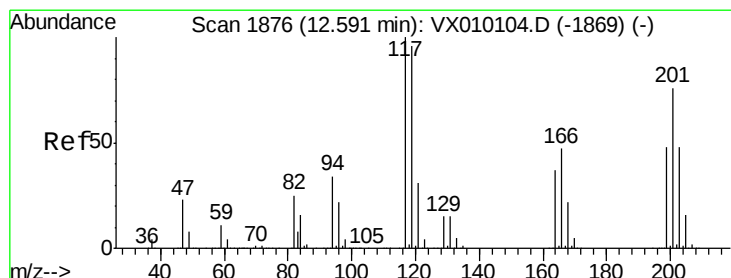
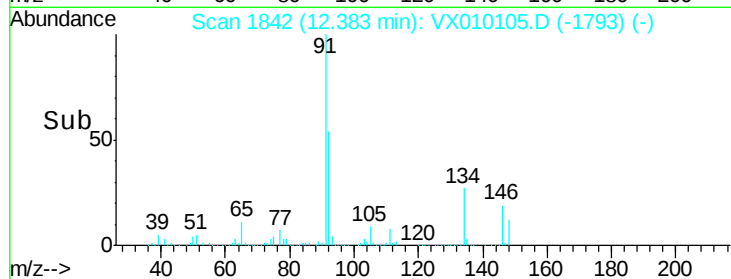
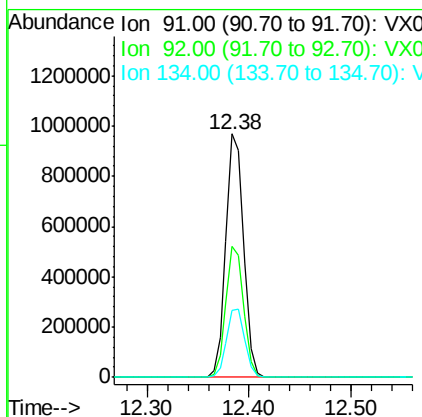
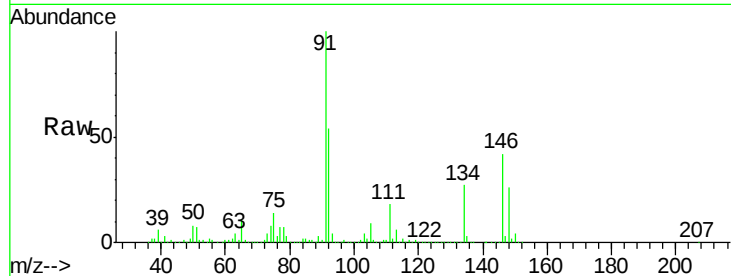
#89
n-Butylbenzene
Concen: 101.582 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1167689
Ion Ratio Lower Upper
91 100
92 53.6 26.3 78.8
134 28.4 12.3 36.8

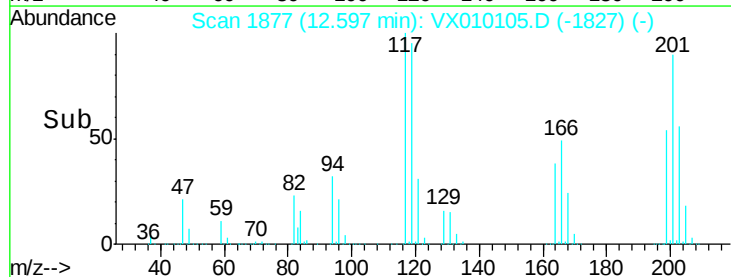
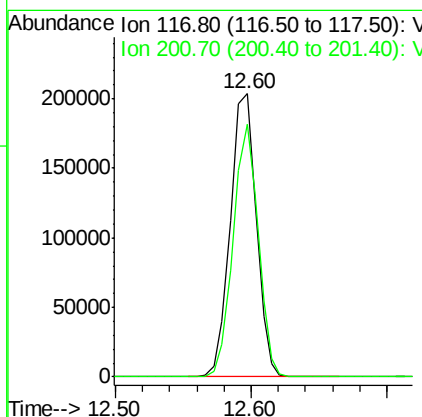
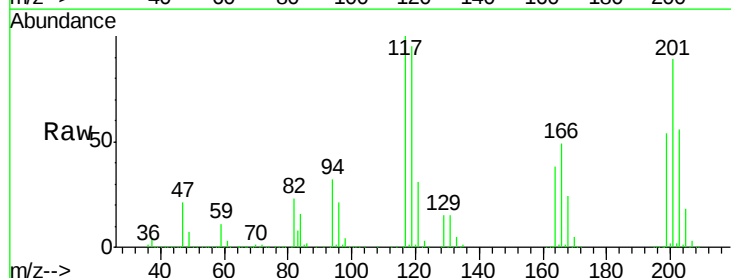
Manual Integrations
APPROVED

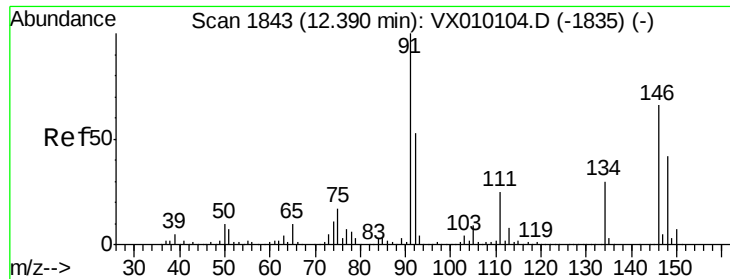
MMDadoda
6/10/2019 10:53:40 AM



#90
Hexachloroethane
Concen: 104.121 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX010105.D
Acq: 07 Jun 2019 13:04

Tgt Ion: 117 Resp: 272747
Ion Ratio Lower Upper
117 100
201 85.6 43.6 130.9





#91

1,2-Dichlorobenzene

Concen: 99.724 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 146 Resp: 679740

Ion Ratio Lower Upper

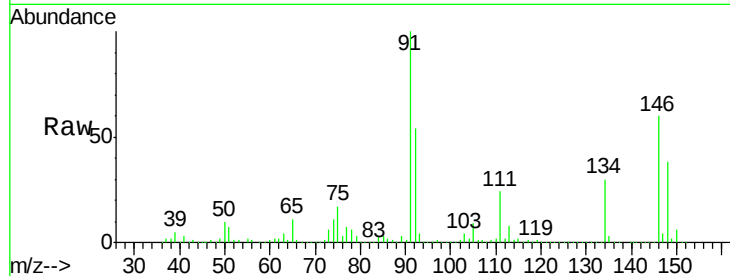
146 100

111 40.0 21.1 63.1

148 64.0 32.3 96.8

Manual Integrations
APPROVED

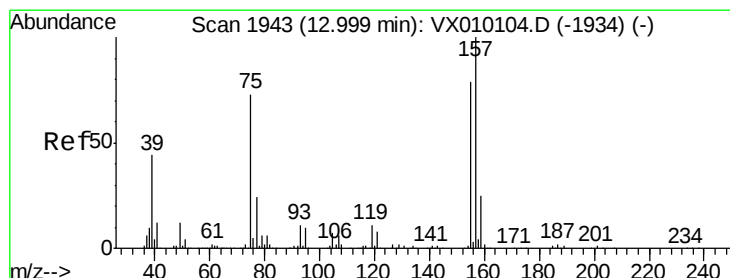
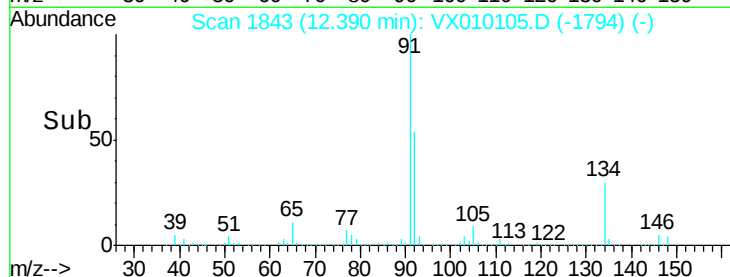
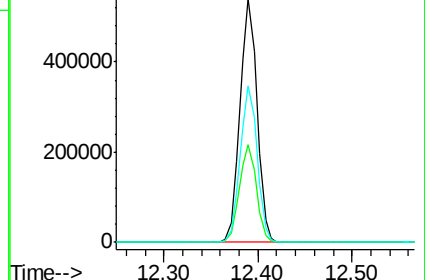
MMDadoda
6/10/2019 10:53:40 AM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 106.885 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

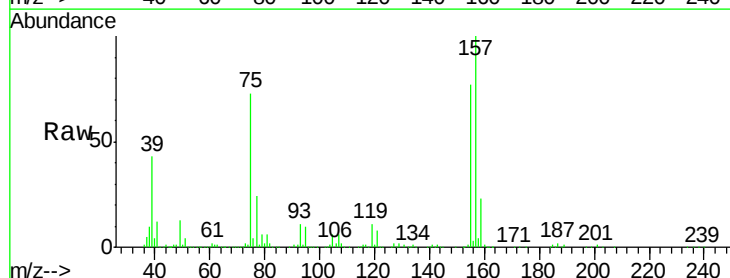
Tgt Ion: 75 Resp: 120986

Ion Ratio Lower Upper

75 100

155 102.3 39.3 117.8

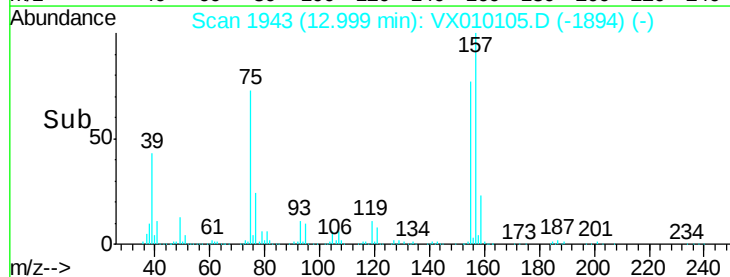
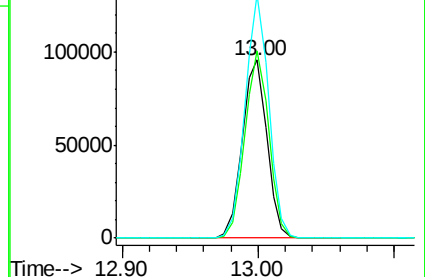
157 130.5 50.6 151.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





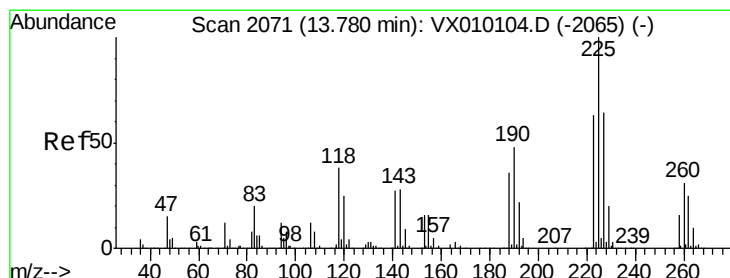
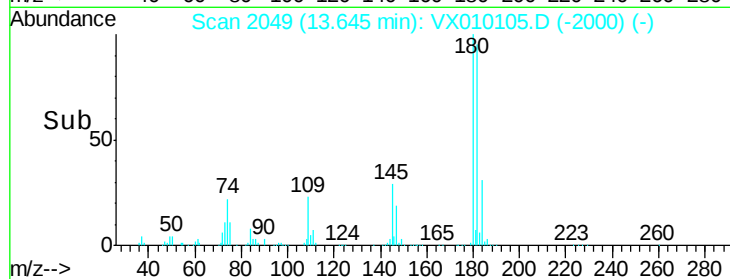
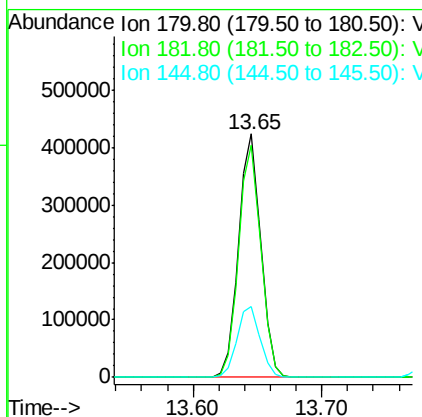
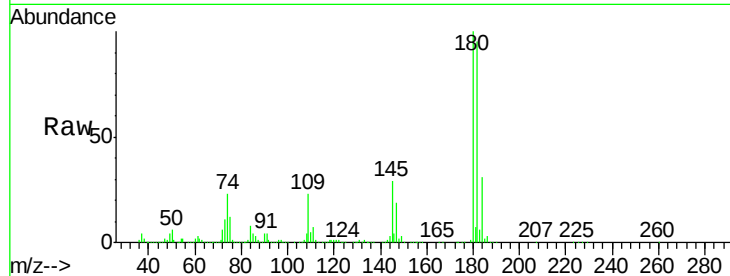
#93
 1,2,4-Trichlorobenzene
 Concen: 104.367 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010105.D
 Acq: 07 Jun 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	507659		
182	95.8	47.4	142.2	
145	30.3	14.5	43.5	

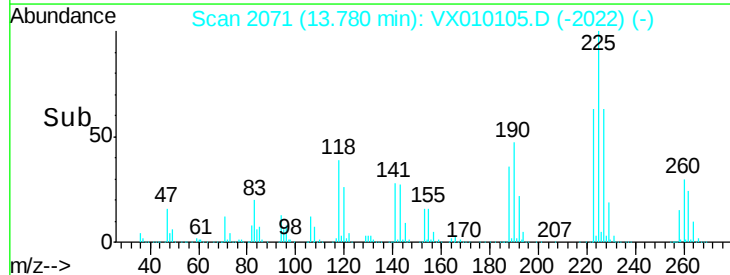
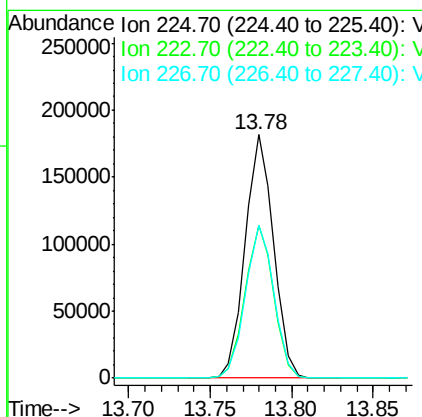
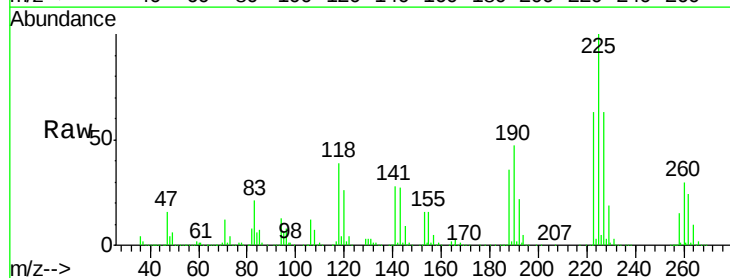
Manual Integrations
 APPROVED

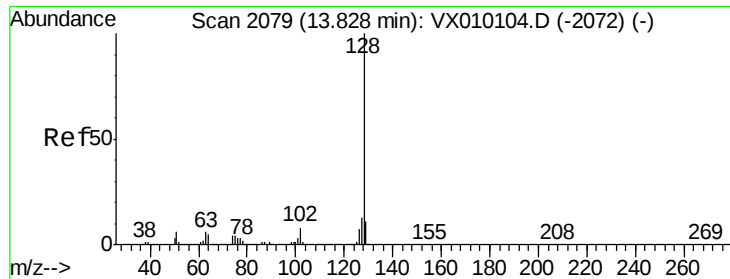
MMDadoda
 6/10/2019 10:53:40 AM



#94
 Hexachlorobutadiene
 Concen: 101.909 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010105.D
 Acq: 07 Jun 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	220479		
223	63.0	31.3	93.8	
227	63.0	32.3	96.8	





#95

Naphthalene

Concen: 103.702 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1627032

Ion Ratio Lower Upper

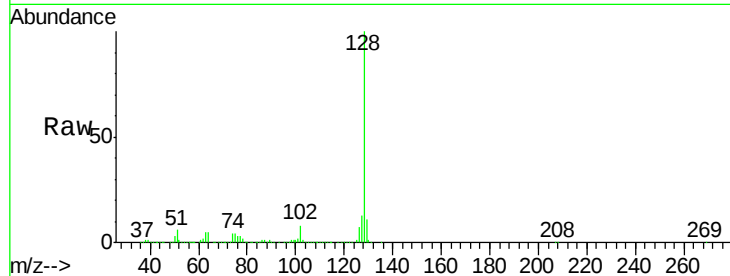
128 100

127 12.8 10.6 16.0

129 11.0 8.8 13.2

Manual Integrations
APPROVED

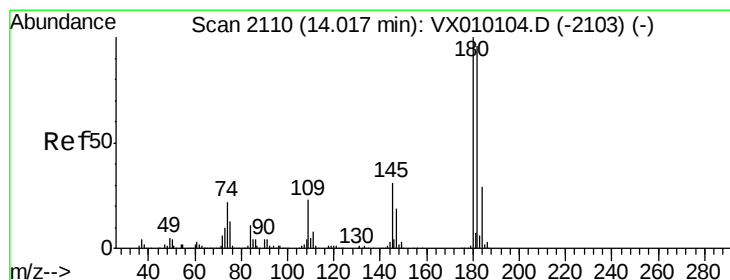
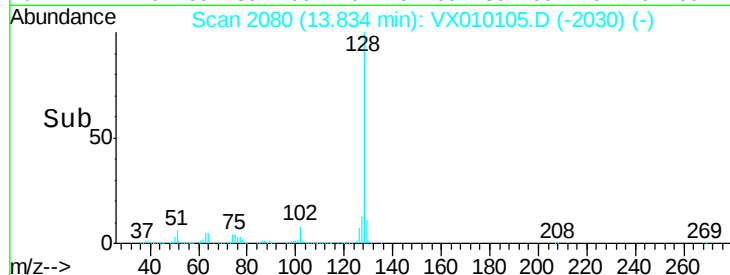
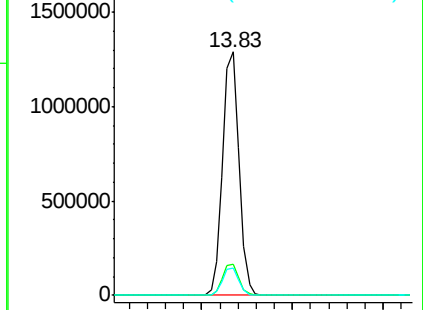
MMDadoda
6/10/2019 10:53:40 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 104.005 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010105.D

Acq: 07 Jun 2019 13:04

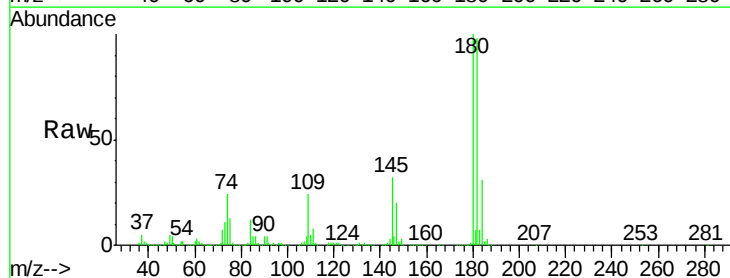
Tgt Ion:180 Resp: 501401

Ion Ratio Lower Upper

180 100

182 96.2 47.3 142.0

145 31.8 15.6 46.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

