

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101719\
 Data File : VX013121.D
 Acq On : 17 Oct 2019 20:37
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 10:05:19 AM

Quant Time: Oct 18 08:29:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 07:26:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	150539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	248067	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	222622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	111073	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	95687	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
35) Dibromofluoromethane	5.49	113	78005	54.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.58%	
50) Toluene-d8	8.71	98	288400	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
62) 4-Bromofluorobenzene	11.14	95	114405	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	67849	44.216	ug/l	100
3) Chloromethane	1.32	50	70553	42.248	ug/l	100
4) Vinyl Chloride	1.40	62	74273	43.090	ug/l	99
5) Bromomethane	1.63	94	33821	47.202	ug/l	96
6) Chloroethane	1.71	64	47850	45.480	ug/l	97
7) Trichlorofluoromethane	1.92	101	117564	50.533	ug/l	96
8) Diethyl Ether	2.18	74	44530	47.420	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	73993	49.143	ug/l	97
10) Methyl Iodide	2.50	142	92799	53.956	ug/l	99
11) Tert butyl alcohol	3.04	59	113693	227.942	ug/l	98
12) 1,1-Dichloroethene	2.36	96	73347	48.214	ug/l	93
13) Acrolein	2.28	56	91029	256.809	ug/l	99
14) Allyl chloride	2.72	41	124136	45.821	ug/l	99
15) Acrylonitrile	3.13	53	228428	241.665	ug/l	99
16) Acetone	2.44	43	198115	199.761	ug/l	100
17) Carbon Disulfide	2.56	76	172745	39.824	ug/l	98
18) Methyl Acetate	2.76	43	111514	47.438	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	273637	52.087	ug/l	98
20) Methylene Chloride	2.84	84	86562	47.492	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	78243	47.986	ug/l	97
22) Diisopropyl ether	3.84	45	254227	48.972	ug/l	95
23) Vinyl Acetate	3.80	43	1099464	245.334	ug/l	100
24) 1,1-Dichloroethane	3.69	63	147454	50.490	ug/l	100
25) 2-Butanone	4.66	43	312385	227.035	ug/l	98
26) 2,2-Dichloropropane	4.57	77	114681	46.697	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	95176	50.640	ug/l	96
28) Bromochloromethane	5.00	49	45123	51.715	ug/l	93
29) Tetrahydrofuran	5.12	42	198117	233.987	ug/l	96
30) Chloroform	5.20	83	152837	51.002	ug/l	99
31) Cyclohexane	5.57	56	124118	45.450	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	134979	53.160	ug/l	98
36) 1,1-Dichloropropene	5.79	75	109171	50.055	ug/l	99
37) Ethyl Acetate	4.82	43	118130	48.438	ug/l	99
38) Carbon Tetrachloride	5.78	117	113260	53.352	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101719\
 Data File : VX013121.D
 Acq On : 17 Oct 2019 20:37
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 10:05:19 AM

Quant Time: Oct 18 08:29:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 07:26:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	129657	49.020	ug/l	98
40) Benzene	6.13	78	331367	51.441	ug/l	98
41) Methacrylonitrile	5.03	41	66145	49.359	ug/l	98
42) 1,2-Dichloroethane	6.18	62	121609	52.611	ug/l	99
43) Isopropyl Acetate	6.43	43	196441	50.185	ug/l	98
44) Trichloroethene	7.20	130	90089	50.434	ug/l	92
45) 1,2-Dichloropropane	7.51	63	86355	52.599	ug/l	98
46) Dibromomethane	7.65	93	59523	54.417	ug/l	98
47) Bromodichloromethane	7.89	83	117319	54.959	ug/l	99
48) Methyl methacrylate	7.76	41	95394	50.010	ug/l	97
49) 1,4-Dioxane	7.73	88	47487	930.217	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	617326	252.950	ug/l	98
52) Toluene	8.78	92	213717	51.859	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	127661	48.012	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	141135	53.757	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	88788	54.441	ug/l	98
56) Ethyl methacrylate	9.17	69	143608	49.204	ug/l	97
57) 1,3-Dichloropropane	9.37	76	148267	52.555	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	316682	264.322	ug/l	98
59) 2-Hexanone	9.48	43	479146	252.211	ug/l	97
60) Dibromochloromethane	9.58	129	93718	51.577	ug/l	98
61) 1,2-Dibromoethane	9.67	107	93945	54.758	ug/l	98
64) Tetrachloroethene	9.33	164	83575	54.125	ug/l	95
65) Chlorobenzene	10.14	112	230831	52.213	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	87921	57.358	ug/l	99
67) Ethyl Benzene	10.25	91	419776	53.455	ug/l	99
68) m/p-Xylenes	10.35	106	310893	105.974	ug/l	100
69) o-Xylene	10.70	106	152616	53.346	ug/l	99
70) Styrene	10.71	104	269650	55.444	ug/l	99
71) Bromoform	10.85	173	65431	50.101	ug/l #	97
73) Isopropylbenzene	11.01	105	405390	49.642	ug/l	98
74) N-amyl acetate	10.89	43	171773	48.840	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	138162	50.867	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	114466m	46.463	ug/l	
77) Bromobenzene	11.25	156	97896	50.872	ug/l	99
78) n-propylbenzene	11.35	91	439651	48.926	ug/l	100
79) 2-Chlorotoluene	11.42	91	284265	50.336	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	350838	51.451	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	43787	46.056	ug/l	94
82) 4-Chlorotoluene	11.51	91	326658	50.465	ug/l	100
83) tert-Butylbenzene	11.76	119	333406	50.123	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	351653	50.920	ug/l	97
85) sec-Butylbenzene	11.94	105	394561	51.200	ug/l	99
86) p-Isopropyltoluene	12.06	119	364091	50.942	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	181188	50.702	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	178891	49.428	ug/l	98
89) n-Butylbenzene	12.39	91	309150	51.466	ug/l	99
90) Hexachloroethane	12.59	117	64059	48.460	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	185346	52.905	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.99	75	32311	50.755	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101719\
Data File : VX013121.D
Acq On : 17 Oct 2019 20:37
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

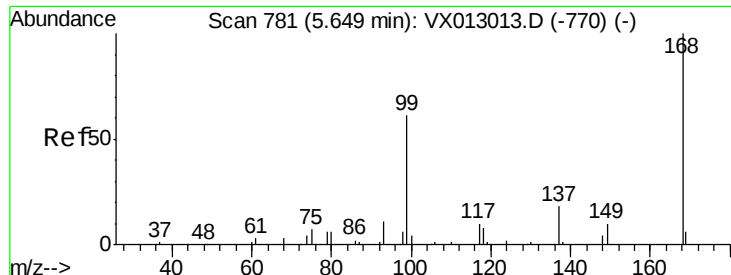
Manual Integrations
APPROVED

MMDadoda
10/18/2019 10:05:19 AM

Quant Time: Oct 18 08:29:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 07:26:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	110575	50.385	ug/l	98
94) Hexachlorobutadiene	13.78	225	52529	51.864	ug/l	100
95) Naphthalene	13.83	128	379248	49.851	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	114022	50.277	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 150539

Ion Ratio Lower Upper

168 100

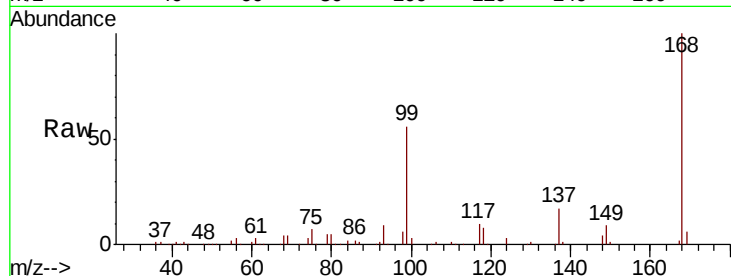
99 55.8 49.4 74.0

Manual Integrations

APPROVED

MMDadoda

10/18/2019 10:05:19 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

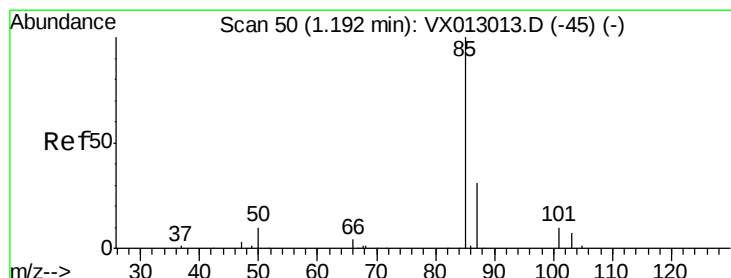
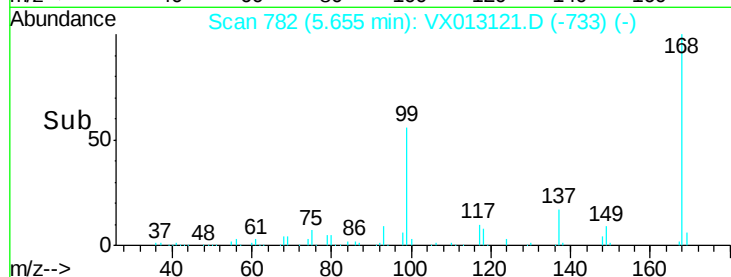
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.216 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX013121.D

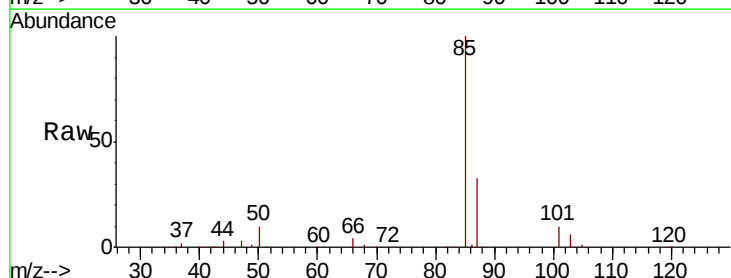
Acq: 17 Oct 2019 20:37

Tgt Ion: 85 Resp: 67849

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

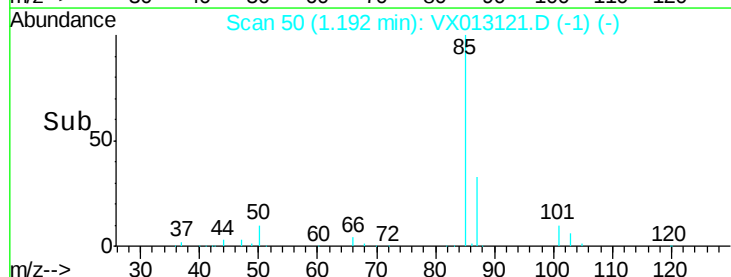
60000

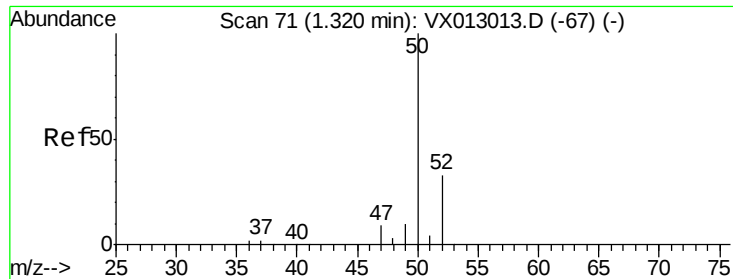
40000

20000

0

Time-->





#3

Chloromethane

Concen: 42.248 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 70553

Ion Ratio Lower Upper

50 100

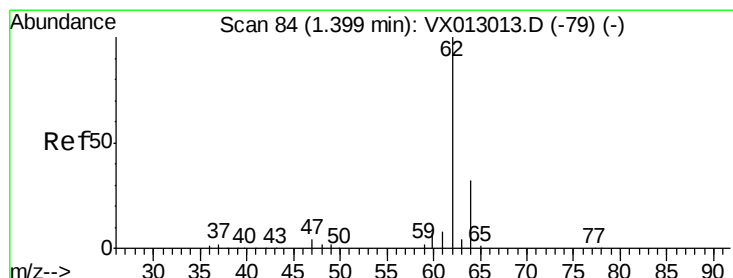
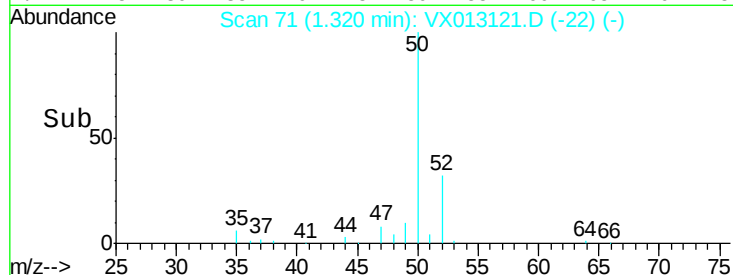
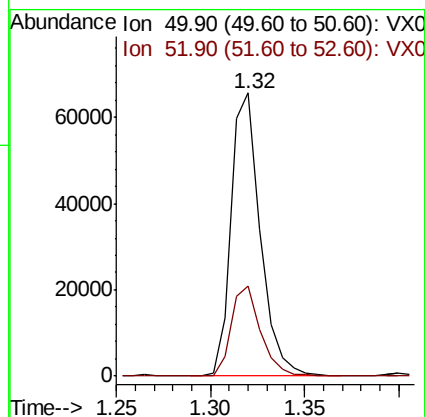
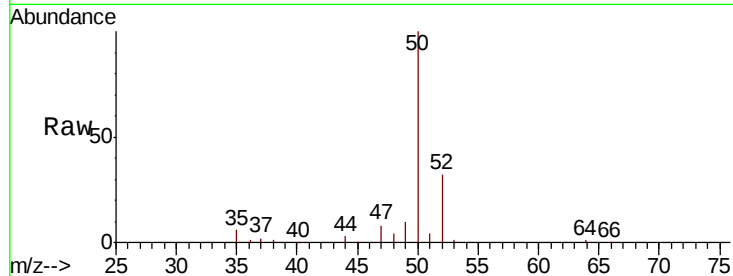
52 31.8 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

10/18/2019 10:05:19 AM



#4

Vinyl Chloride

Concen: 43.090 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013121.D

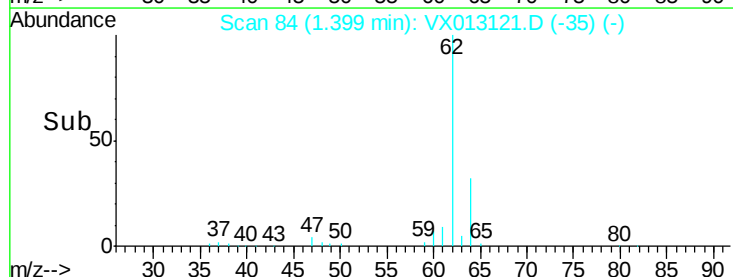
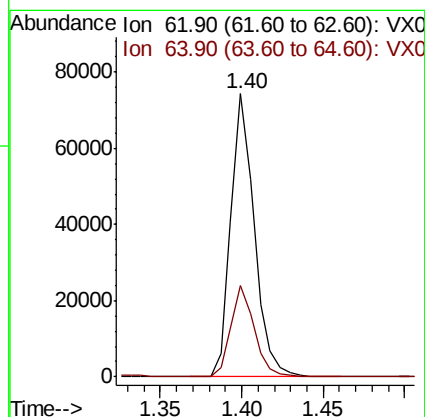
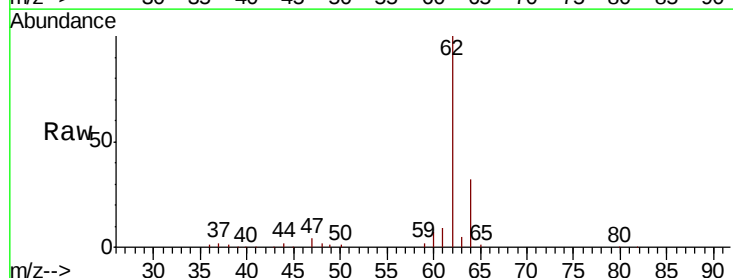
Acq: 17 Oct 2019 20:37

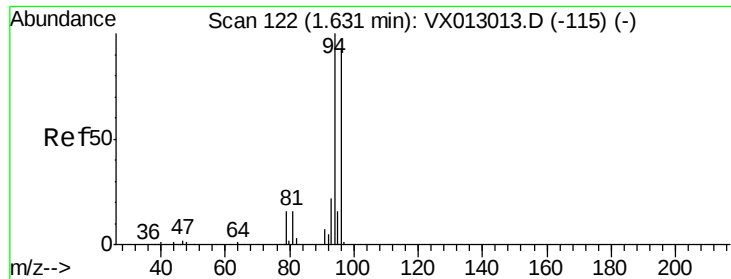
Tgt Ion: 62 Resp: 74273

Ion Ratio Lower Upper

62 100

64 32.3 25.3 37.9





#5

Bromomethane

Concen: 47.202 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 33821

Ion Ratio Lower Upper

94 100

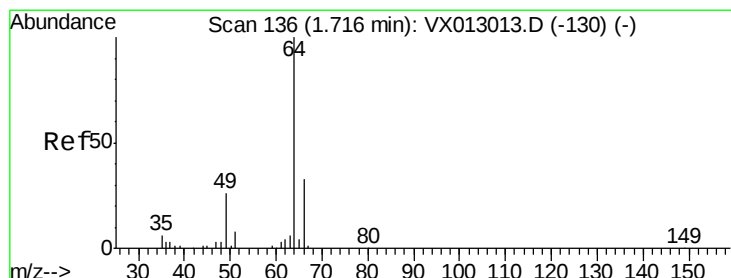
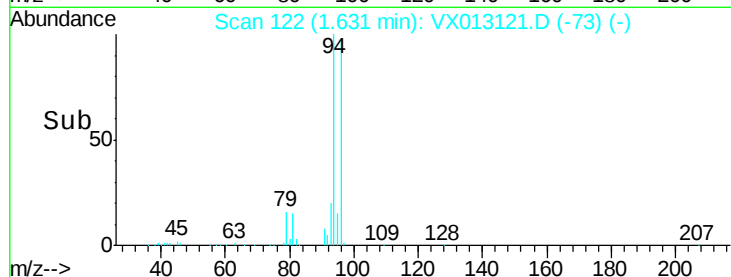
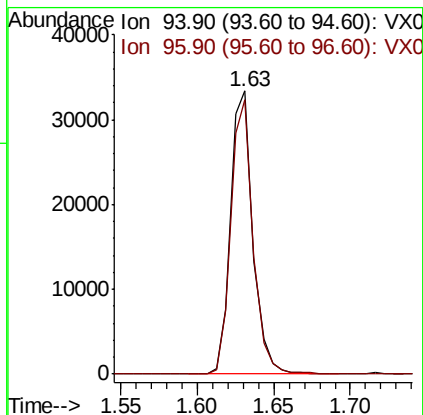
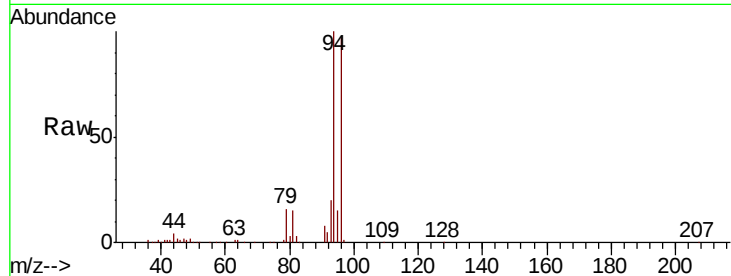
96 96.8 74.7 112.1

Manual Integrations

APPROVED

MMDadoda

10/18/2019 10:05:19 AM



#6

Chloroethane

Concen: 45.480 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013121.D

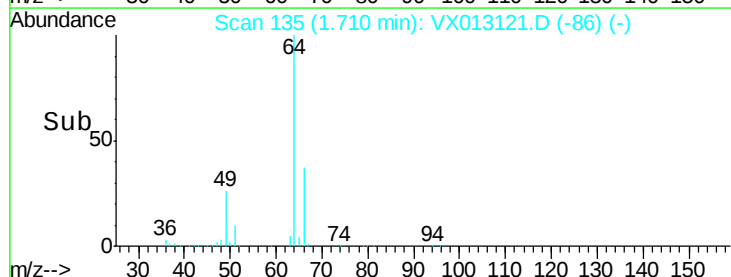
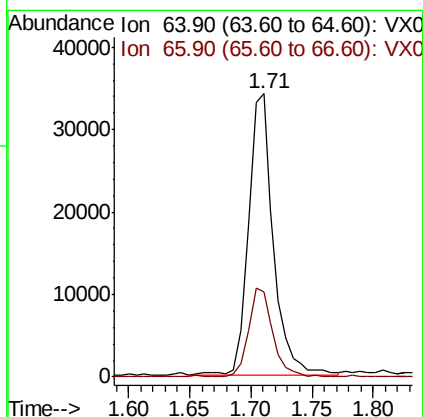
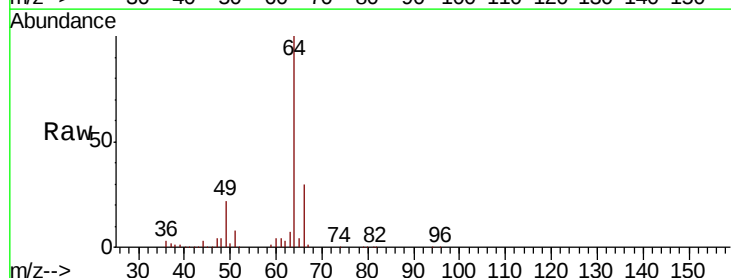
Acq: 17 Oct 2019 20:37

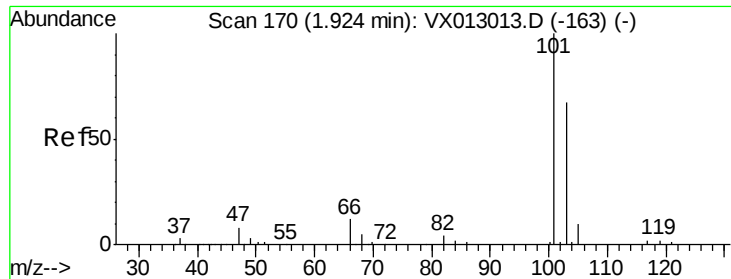
Tgt Ion: 64 Resp: 47850

Ion Ratio Lower Upper

64 100

66 30.3 25.6 38.4





#7

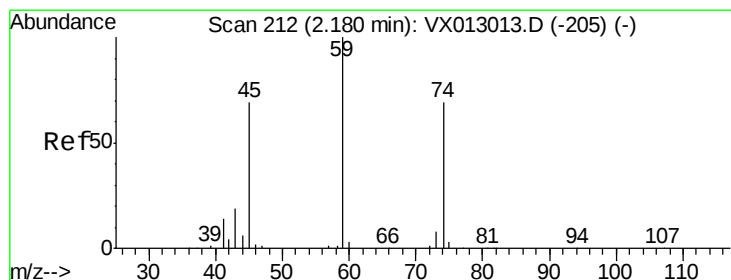
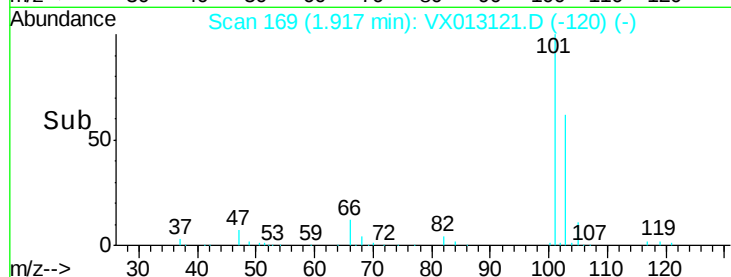
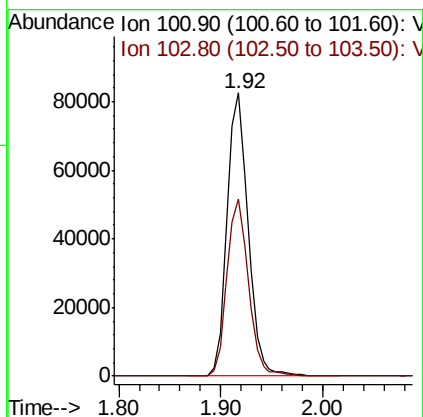
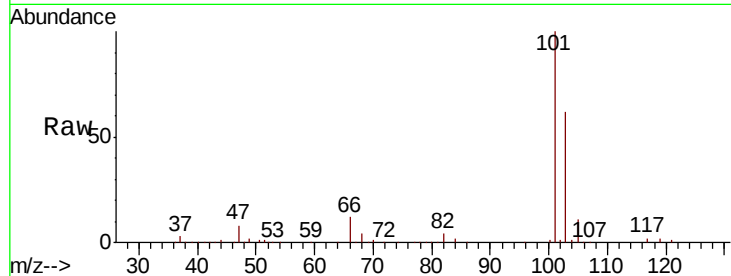
Trichlorofluoromethane
Concen: 50.533 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 117564
Ion Ratio Lower Upper
101 100
103 62.4 52.5 78.7

Manual Integrations
APPROVED

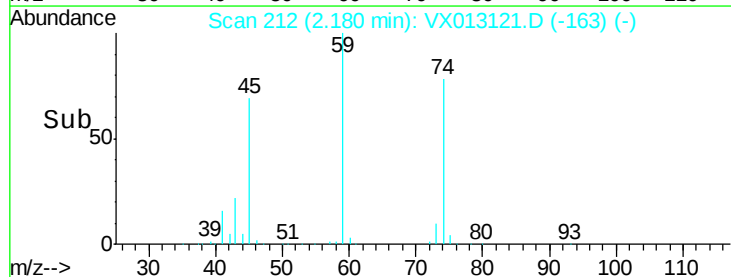
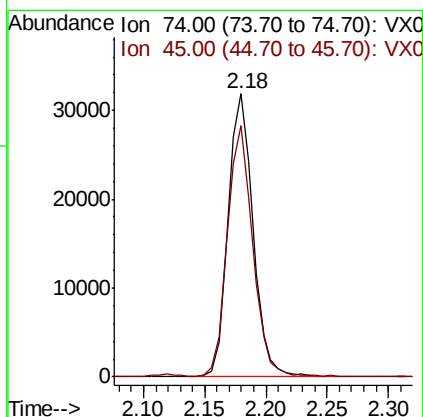
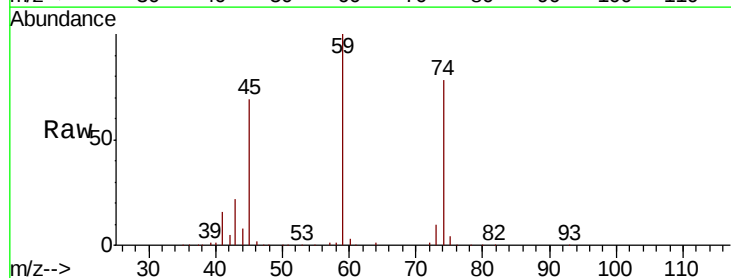
MMDadoda
10/18/2019 10:05:19 AM

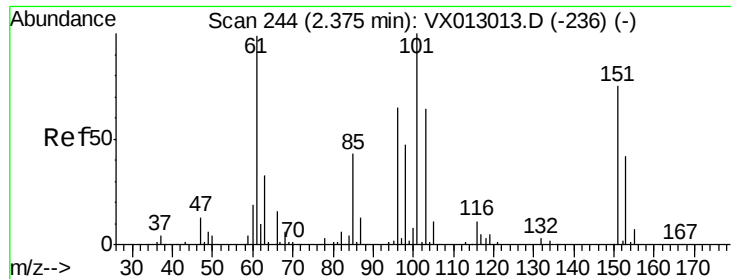


#8

Diethyl Ether
Concen: 47.420 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Tgt Ion: 74 Resp: 44530
Ion Ratio Lower Upper
74 100
45 90.3 47.8 143.4





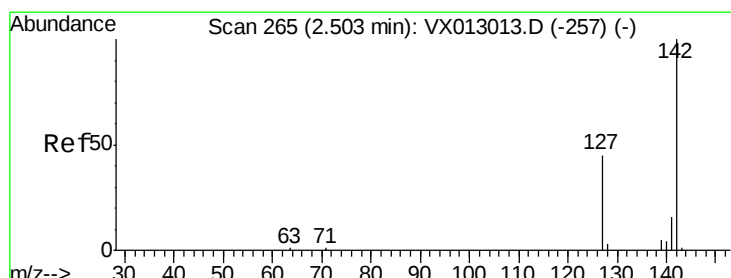
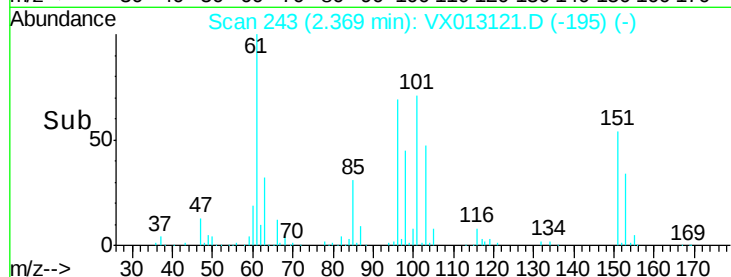
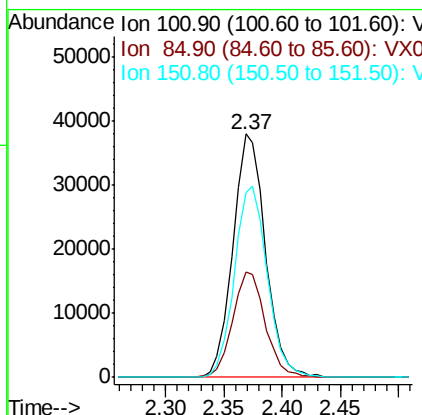
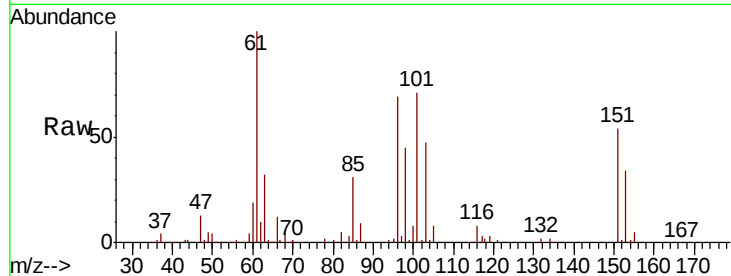
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.143 ug/l
RT: 2.37 min Scan# 243
Delta R.T. -0.01 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.3	35.2	52.8
151	79.5	60.3	90.5

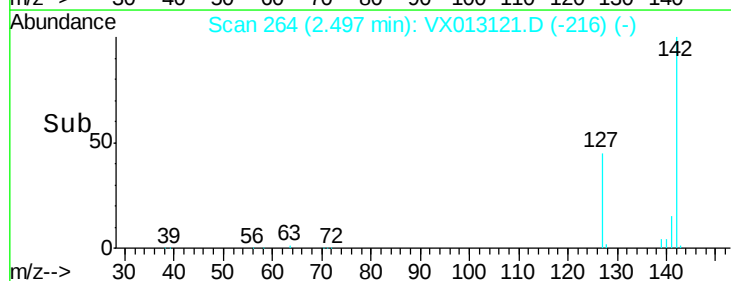
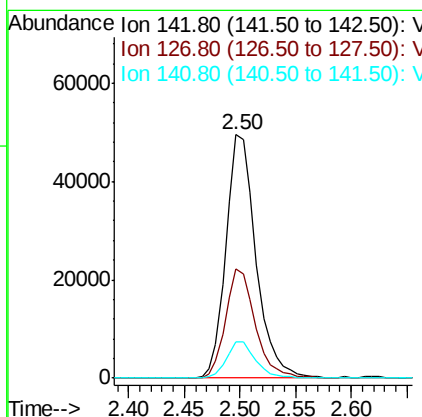
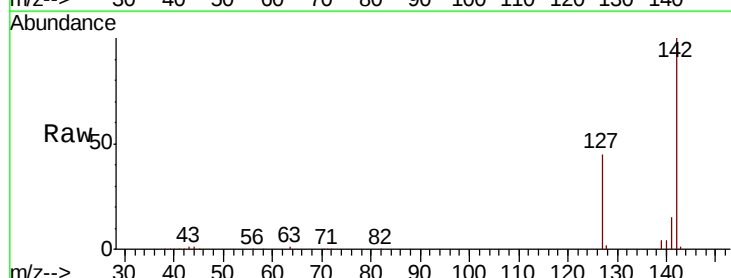
Manual Integrations
APPROVED

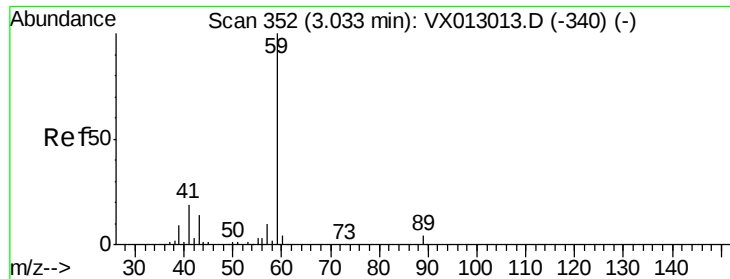
MMDadoda
10/18/2019 10:05:19 AM



#10
Methyl Iodide
Concen: 53.956 ug/l
RT: 2.50 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.1	34.9	52.3
141	14.6	11.6	17.4





#11

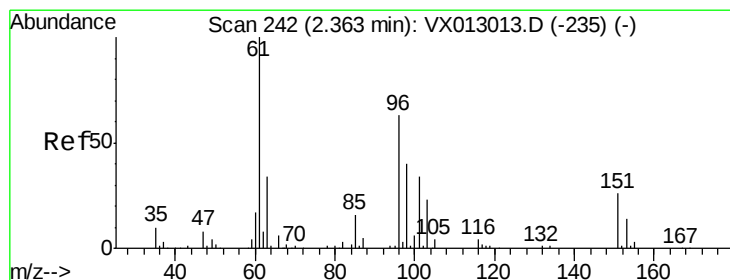
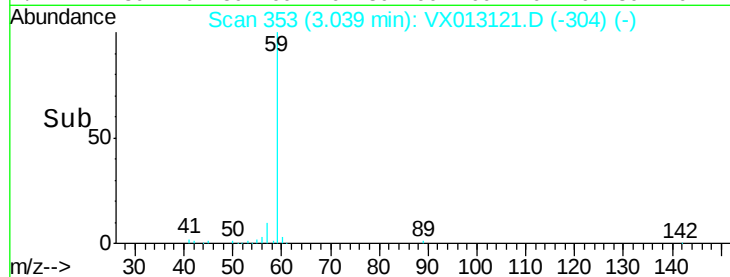
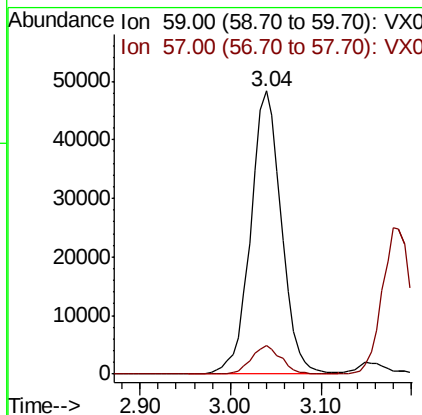
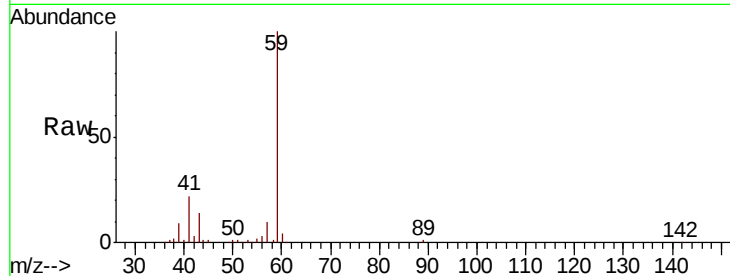
Tert butyl alcohol
Concen: 227.942 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5

Manual Integrations
APPROVED

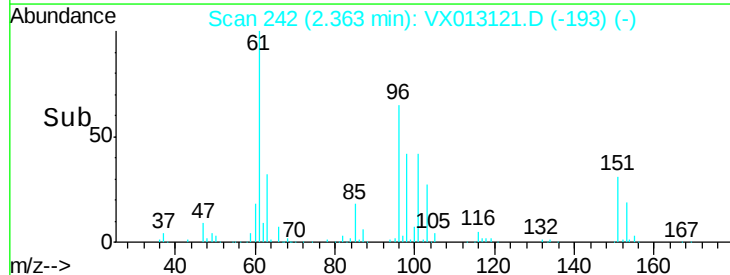
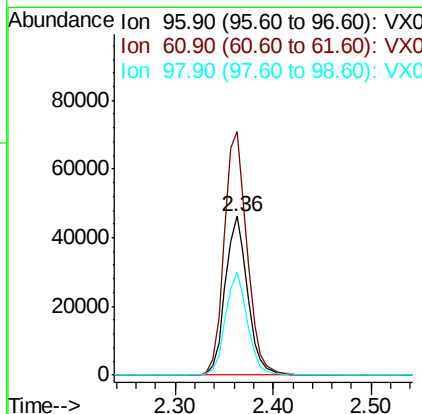
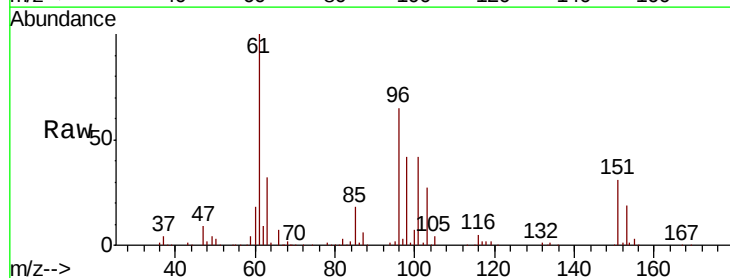
MMDadoda
10/18/2019 10:05:19 AM

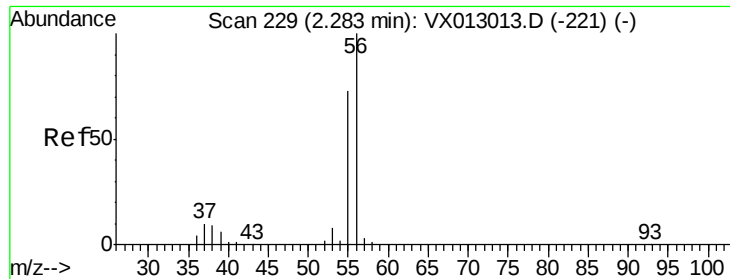


#12

1,1-Dichloroethene
Concen: 48.214 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.5	132.2	198.4
98	64.5	50.5	75.7





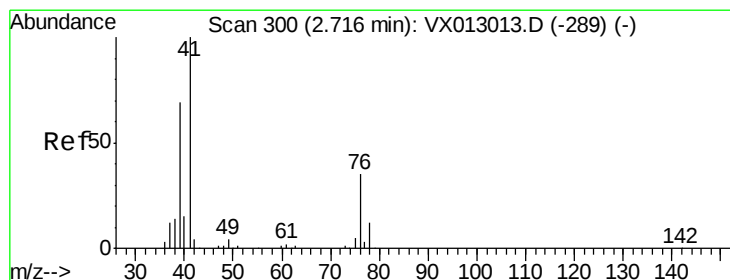
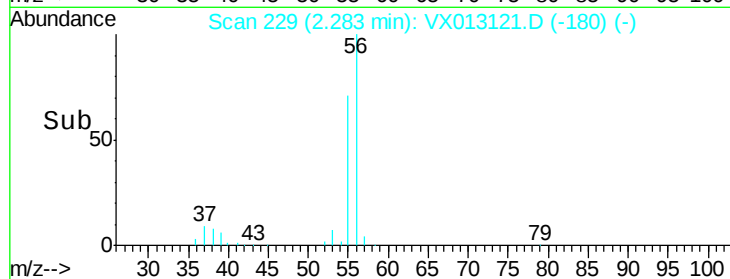
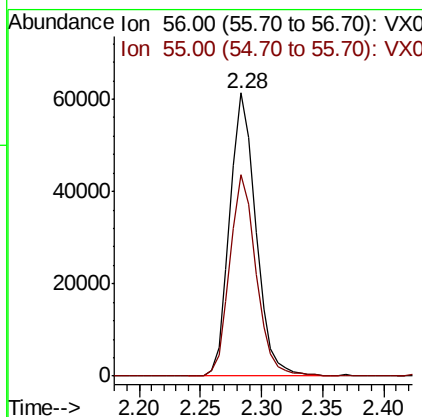
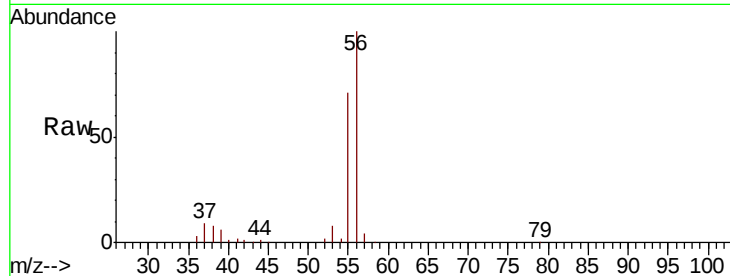
#13
Acrolein
Concen: 256.809 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	91029
Ion Ratio	100	Lower	Upper
55	71.6	56.6	85.0

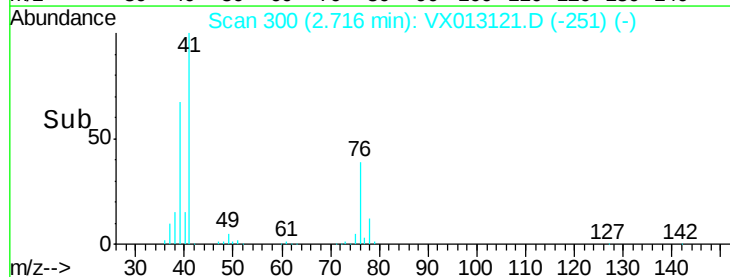
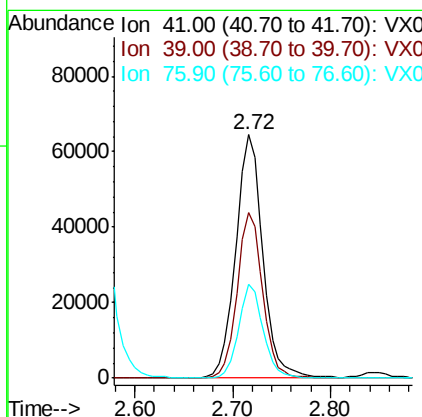
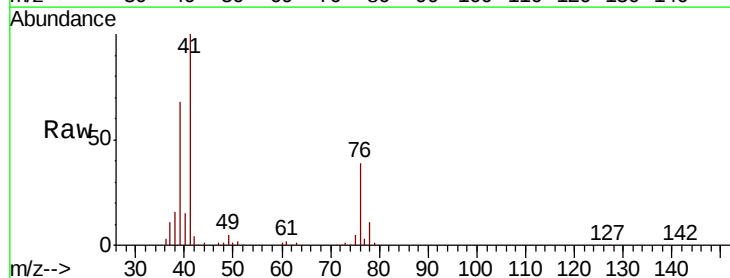
Manual Integrations
APPROVED

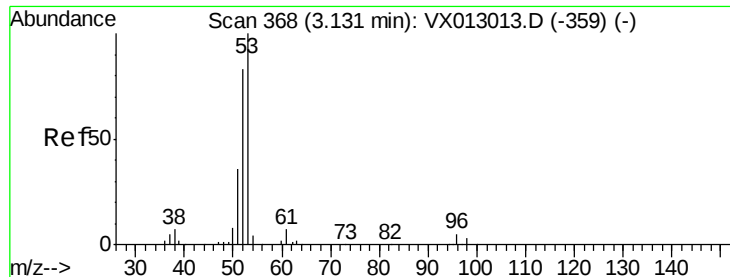
MMDadoda
10/18/2019 10:05:19 AM



#14
Allyl chloride
Concen: 45.821 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Tgt Ion	41	Resp	124136
Ion Ratio	100	Lower	Upper
39	64.0	51.0	76.6
76	35.0	26.2	39.4





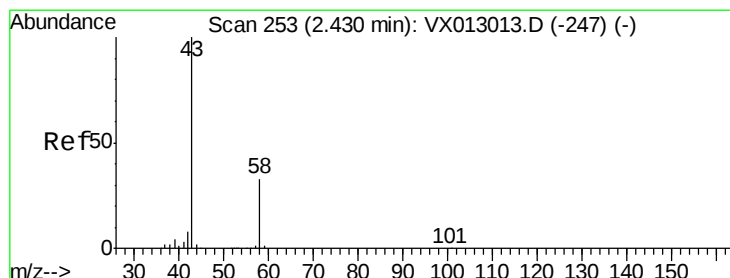
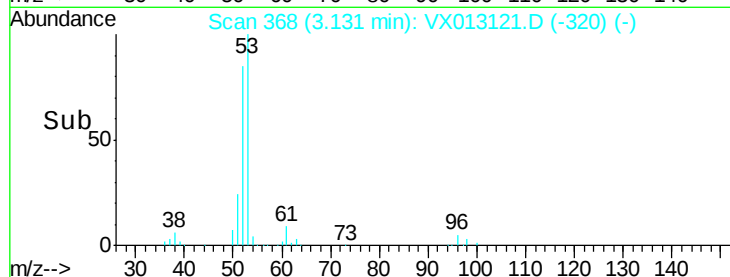
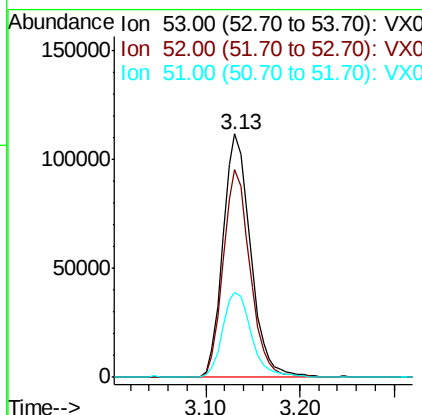
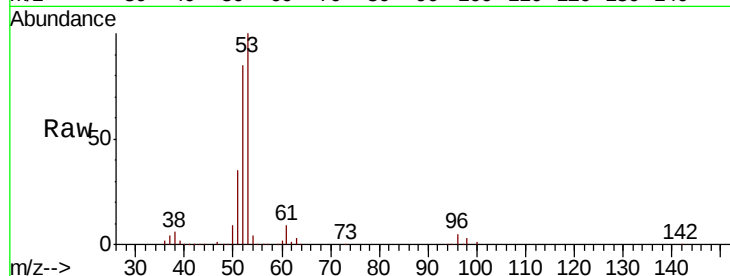
#15
 Acrylonitrile
 Concen: 241.665 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: VX013121.D
 Acq: 17 Oct 2019 20:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.2	99.2
51	36.5	28.2	42.4

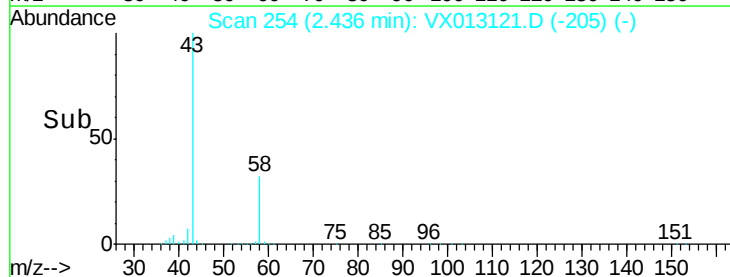
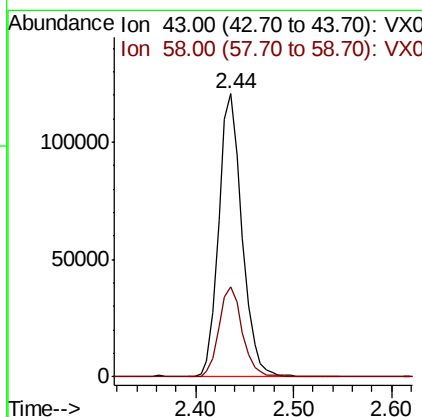
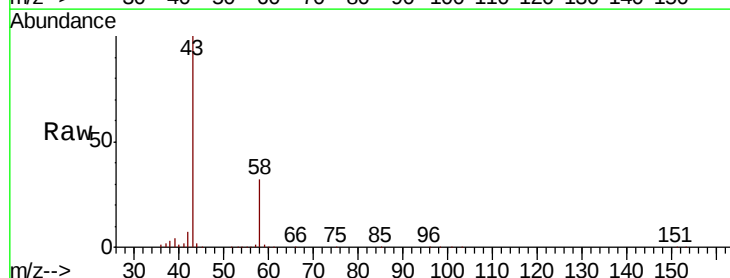
Manual Integrations
 APPROVED

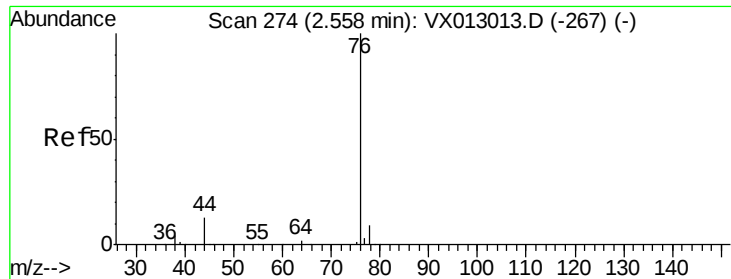
MMDadoda
 10/18/2019 10:05:19 AM



#16
 Acetone
 Concen: 199.761 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VX013121.D
 Acq: 17 Oct 2019 20:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.9	25.4	38.2





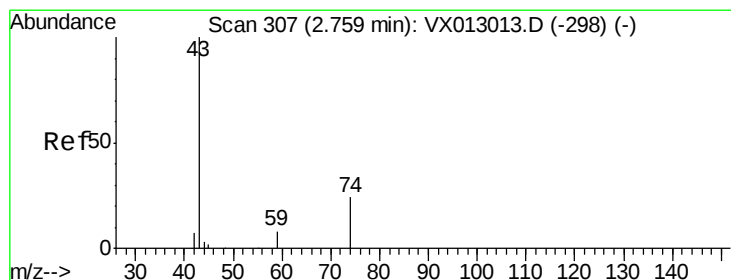
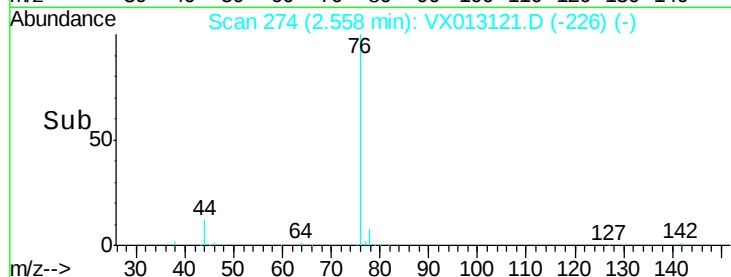
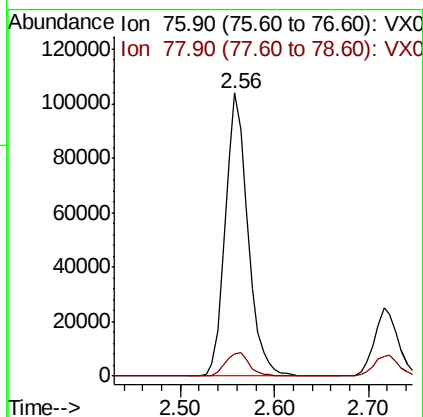
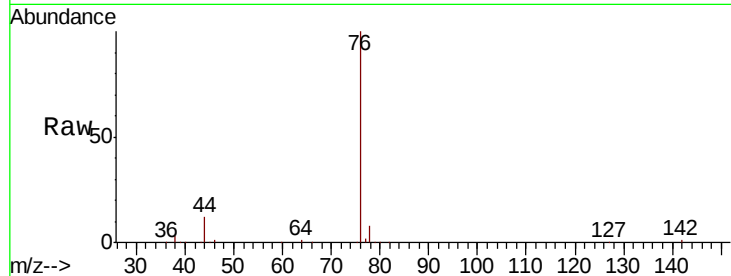
#17
Carbon Disulfide
Concen: 39.824 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.01 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.1	10.7

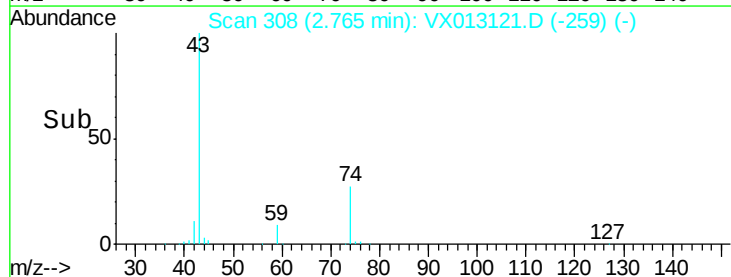
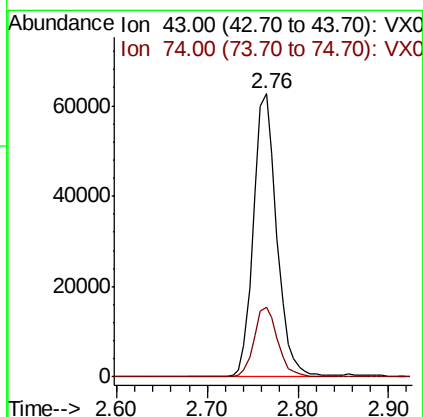
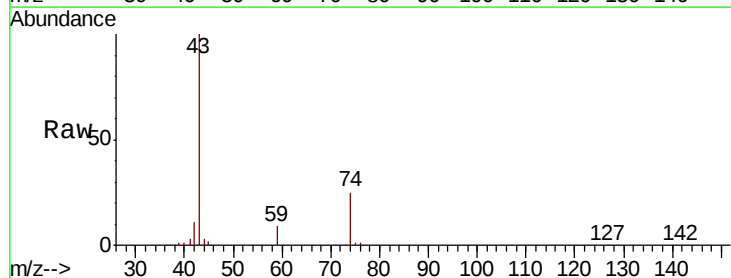
Manual Integrations
APPROVED

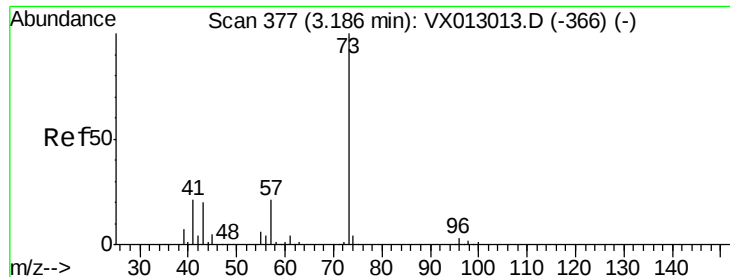
MMDadoda
10/18/2019 10:05:19 AM



#18
Methyl Acetate
Concen: 47.438 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	19.2	28.8





#19

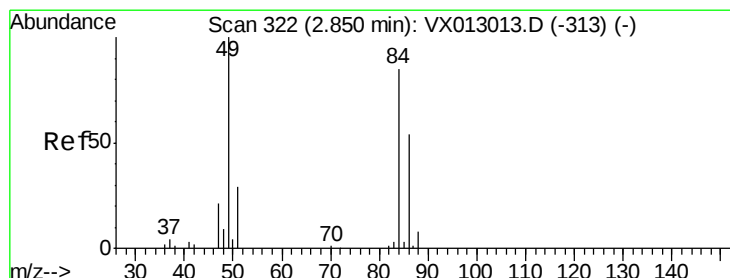
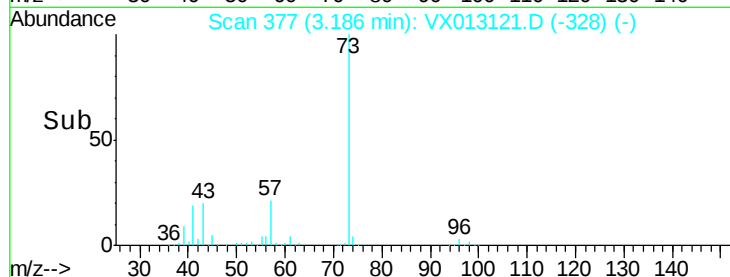
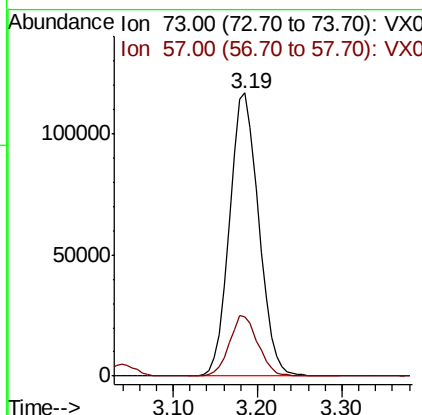
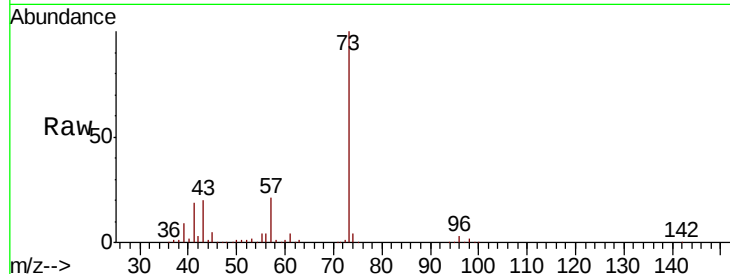
Methyl tert-butyl Ether
 Concen: 52.087 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VX013121.D
 Acq: 17 Oct 2019 20:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	73	Resp	273637
Ion Ratio	Lower	Upper	
73	100		
57	21.1	17.8	26.6

Manual Integrations
 APPROVED

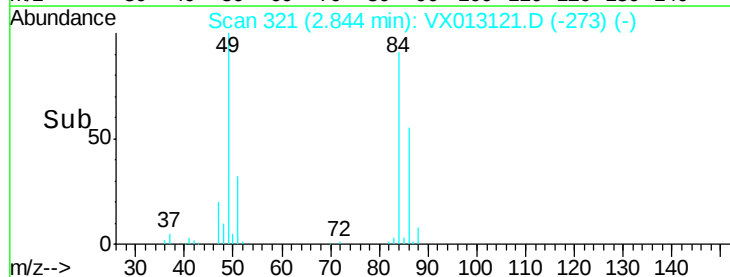
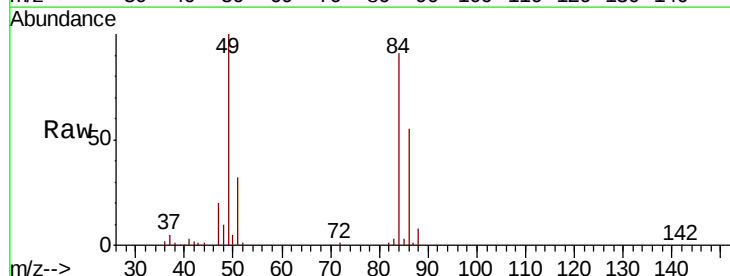
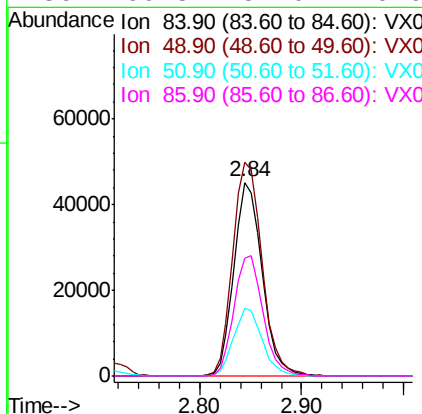
MMDadoda
 10/18/2019 10:05:19 AM

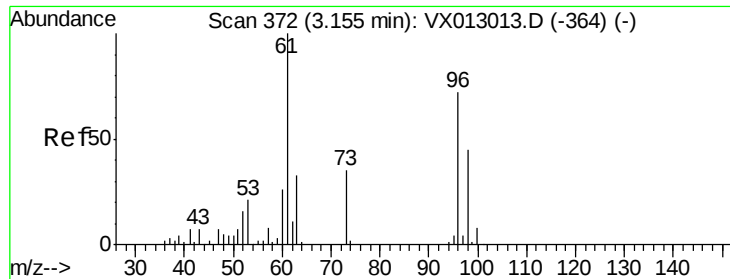


#20

Methylene Chloride
 Concen: 47.492 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VX013121.D
 Acq: 17 Oct 2019 20:37

Tgt Ion	84	Resp	86562
Ion Ratio	Lower	Upper	
84	100		
49	110.4	96.6	144.8
51	35.3	30.7	46.1
86	60.8	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 47.986 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 78243

Ion Ratio Lower Upper

96 100

61 133.0 110.4 165.6

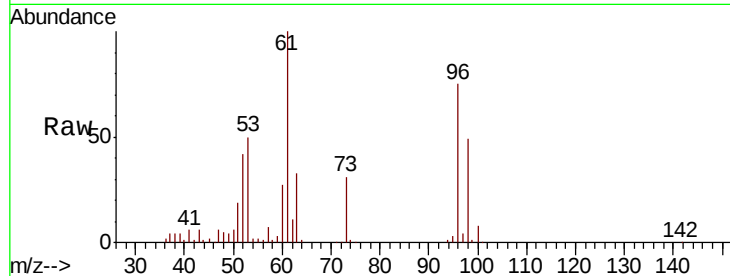
98 64.8 51.5 77.3

Manual Integrations

APPROVED

MMDadoda

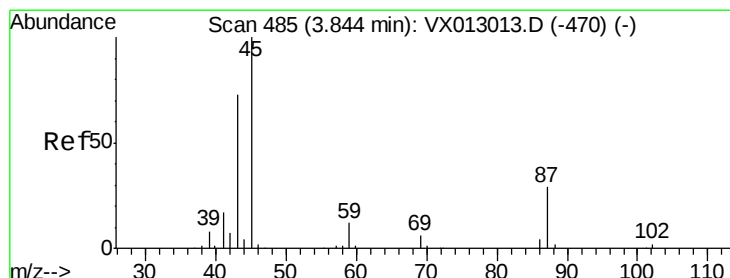
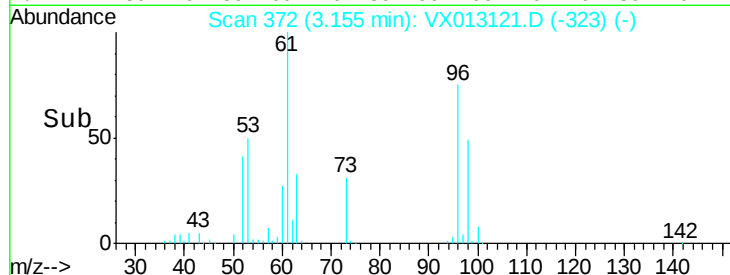
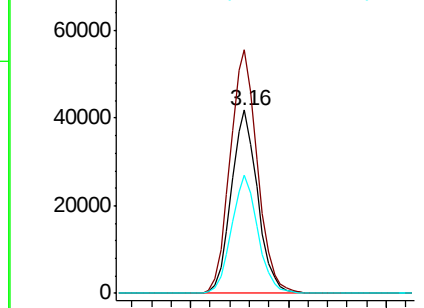
10/18/2019 10:05:19 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.972 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.01 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

Tgt Ion: 45 Resp: 254227

Ion Ratio Lower Upper

45 100

43 69.6 51.4 77.0

87 29.9 22.5 33.7

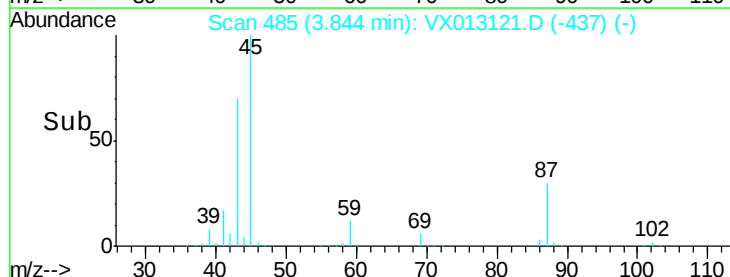
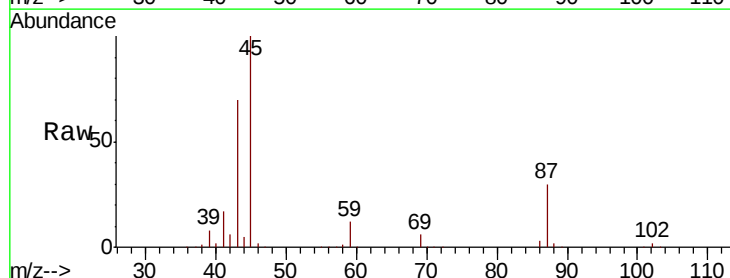
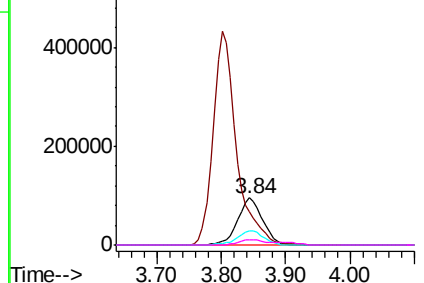
59 11.6 9.7 14.5

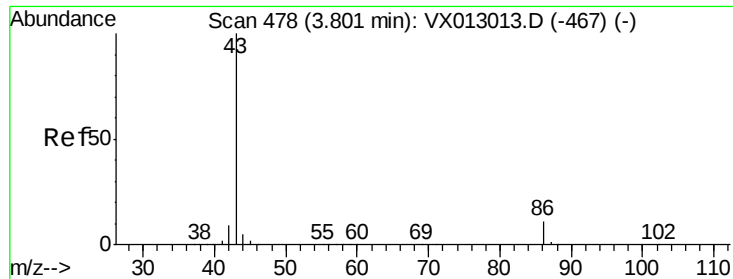
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 245.334 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1099464

Ion Ratio Lower Upper

43 100

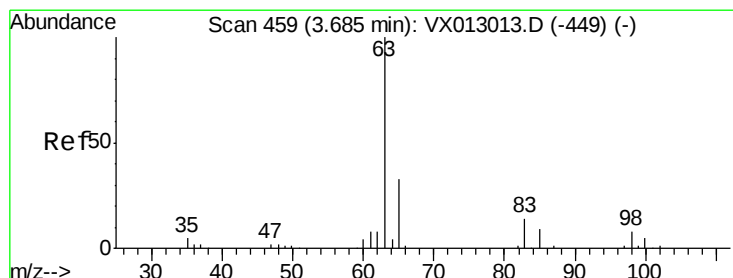
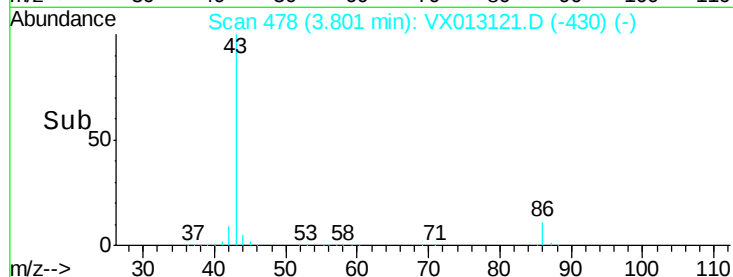
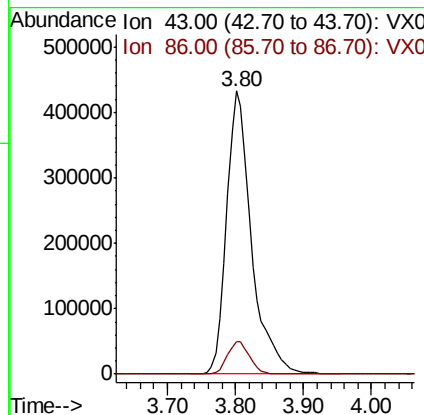
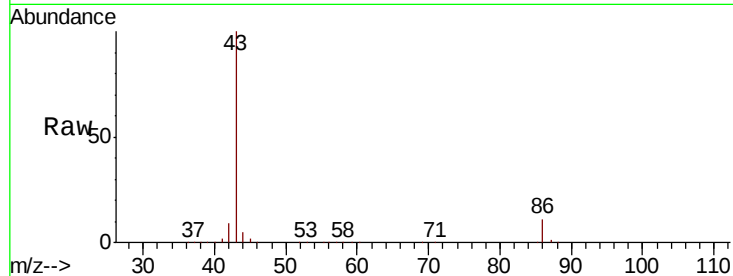
86 11.4 9.0 13.6

Manual Integrations

APPROVED

MMDadoda

10/18/2019 10:05:19 AM



#24

1,1-Dichloroethane

Concen: 50.490 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

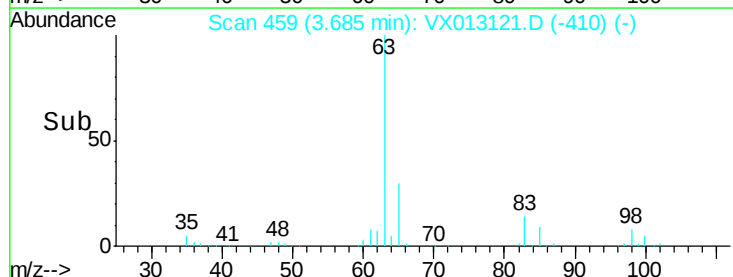
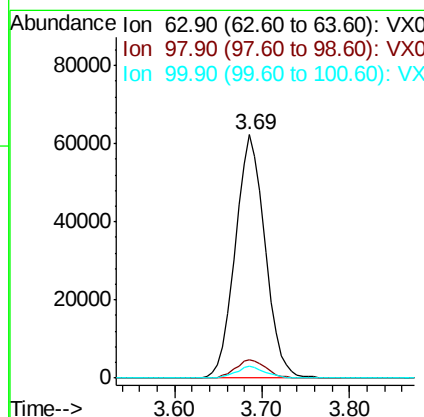
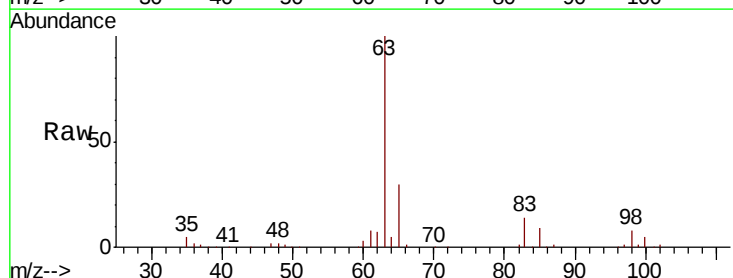
Tgt Ion: 63 Resp: 147454

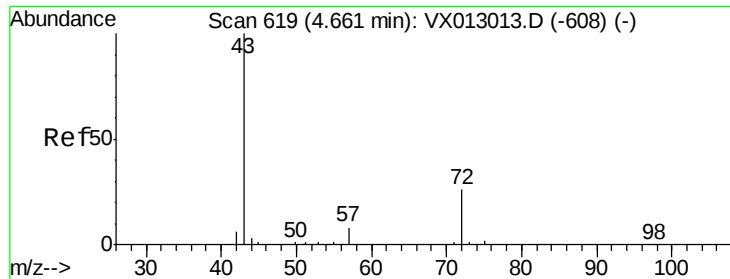
Ion Ratio Lower Upper

63 100

98 7.6 3.9 11.5

100 4.8 2.3 6.9





#25

2-Butanone

Concen: 227.035 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 312385

Ion Ratio Lower Upper

43 100

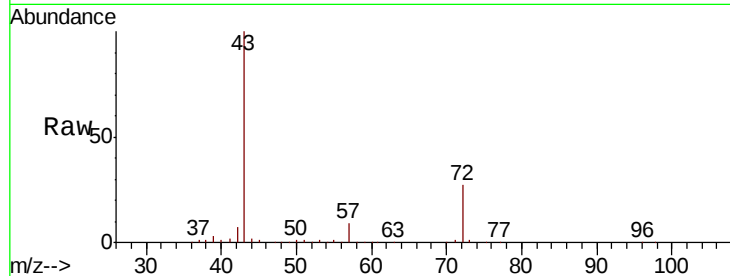
72 27.2 21.0 31.6

Manual Integrations

APPROVED

MMDadoda

10/18/2019 10:05:19 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

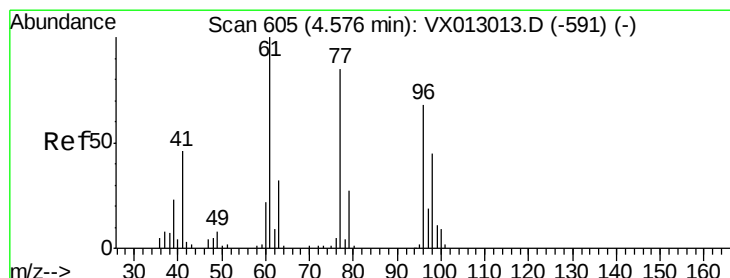
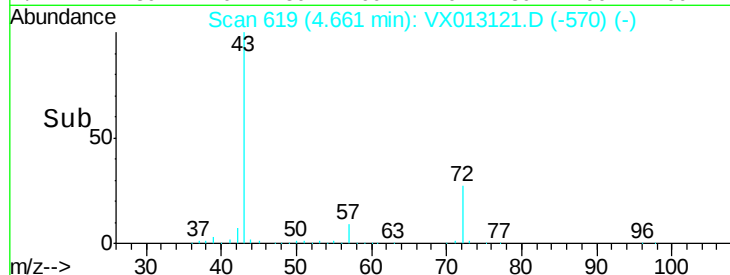
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 46.697 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX013121.D

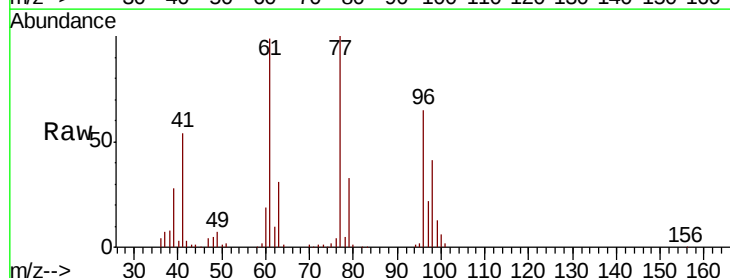
Acq: 17 Oct 2019 20:37

Tgt Ion: 77 Resp: 114681

Ion Ratio Lower Upper

77 100

97 23.4 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

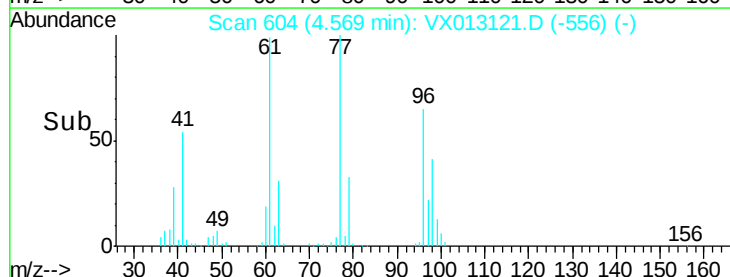
20000

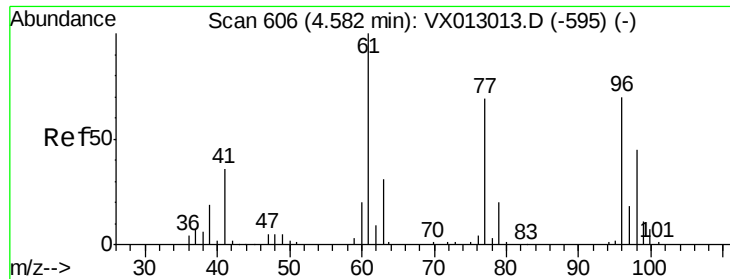
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

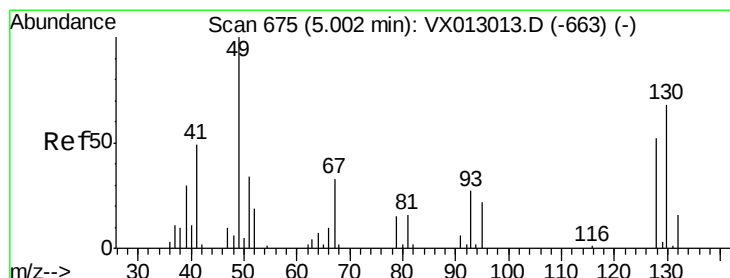
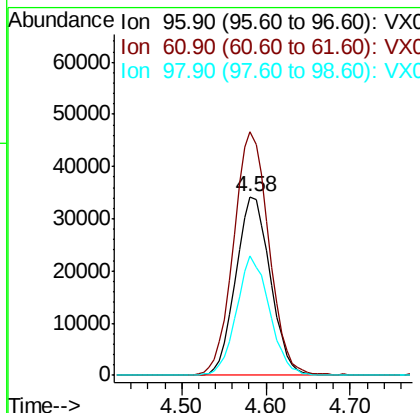
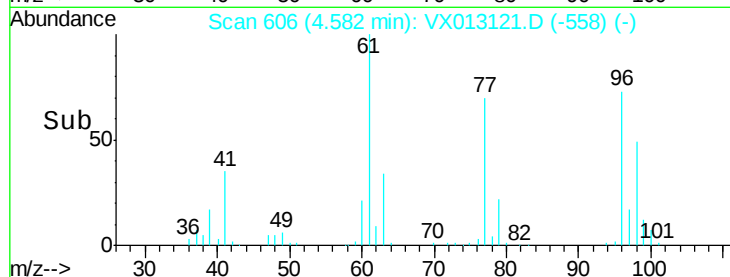
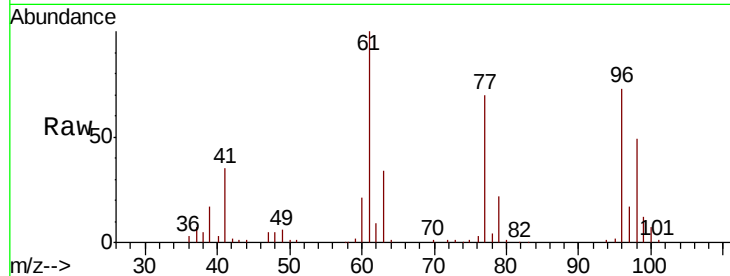
cis-1,2-Dichloroethene
Concen: 50.640 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	95176		
61	139.3	0.0	290.6	
98	63.8	0.0	128.8	

Manual Integrations
APPROVED

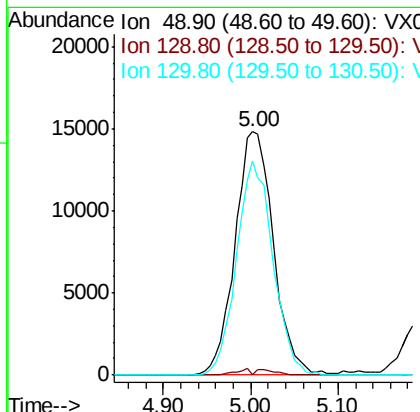
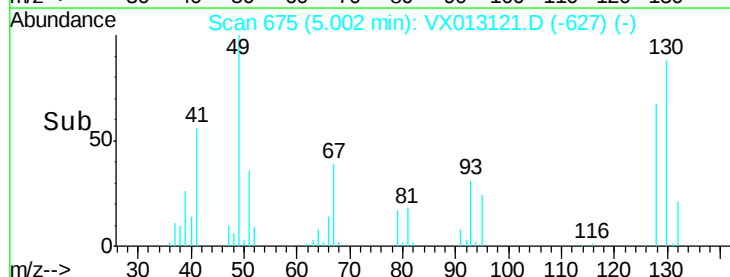
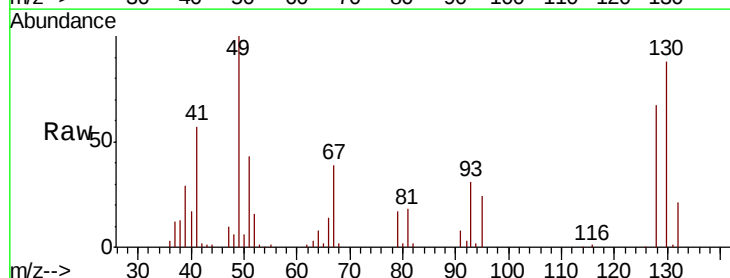
MMDadoda
10/18/2019 10:05:19 AM

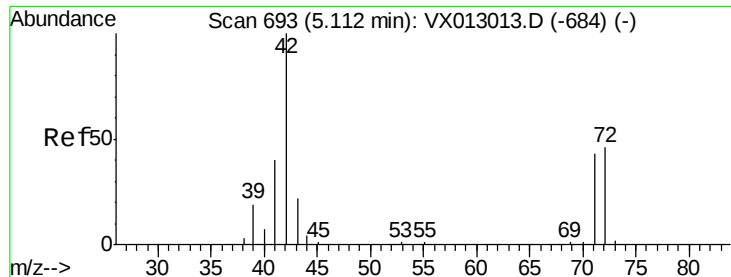


#28

Bromochloromethane
Concen: 51.715 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	45123		
129	0.9	0.0	4.2	
130	83.6	62.1	93.1	





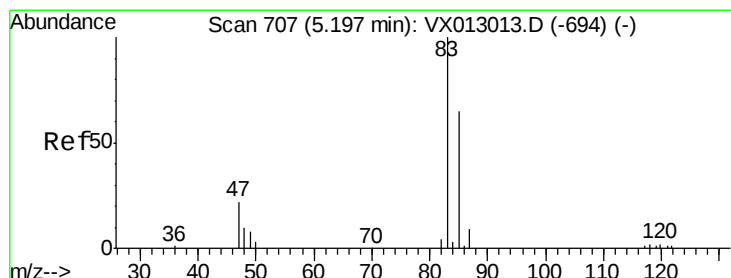
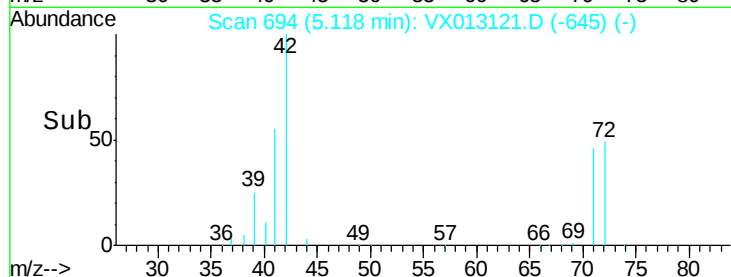
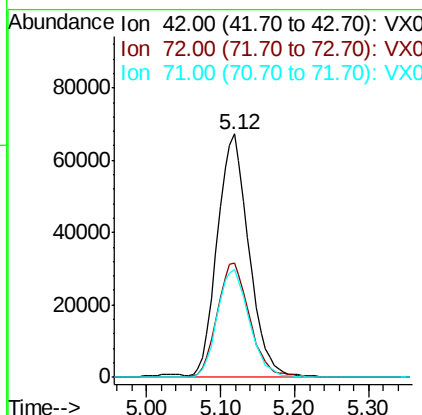
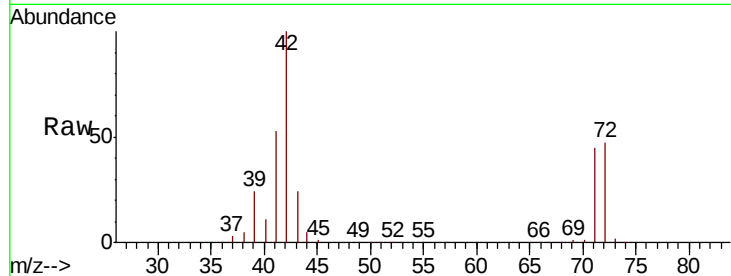
#29
Tetrahydrofuran
Concen: 233.987 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.4	36.9	55.3
71	45.0	33.5	50.3

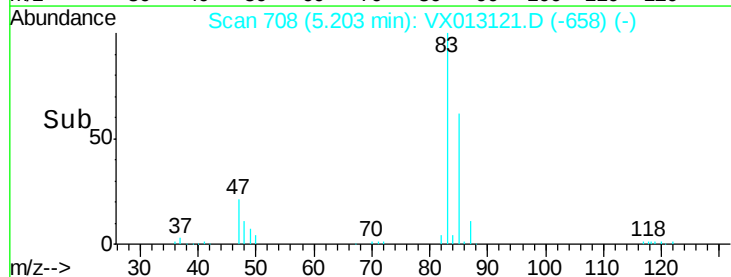
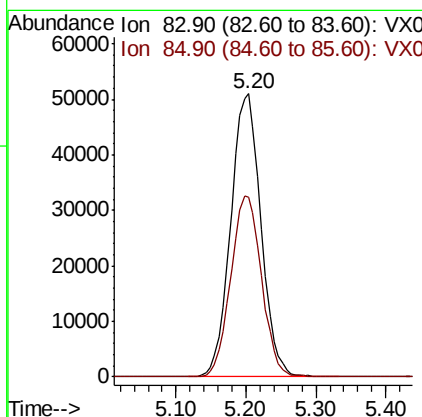
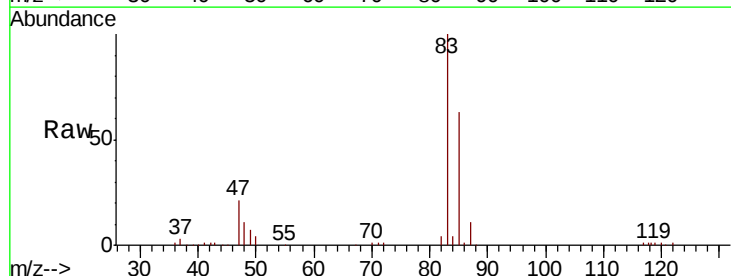
Manual Integrations
APPROVED

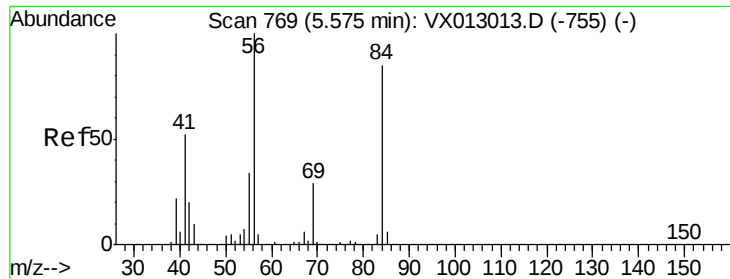
MMDadoda
10/18/2019 10:05:19 AM



#30
Chloroform
Concen: 51.002 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.5	77.3





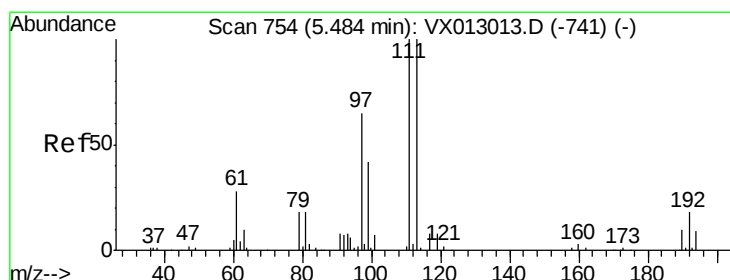
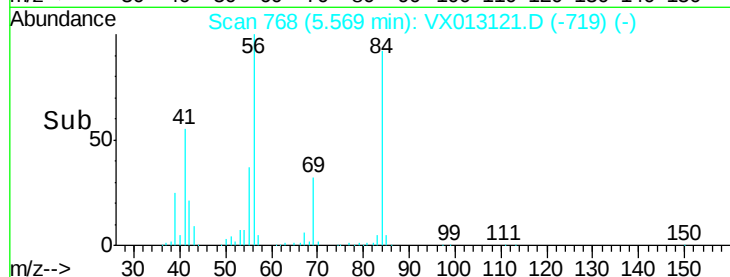
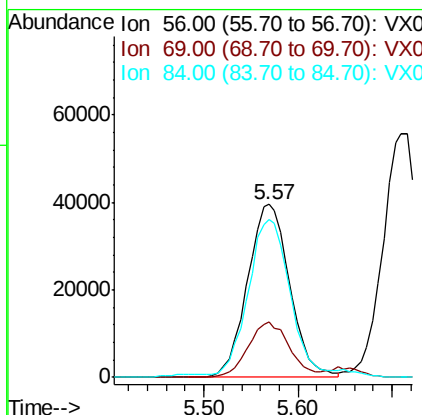
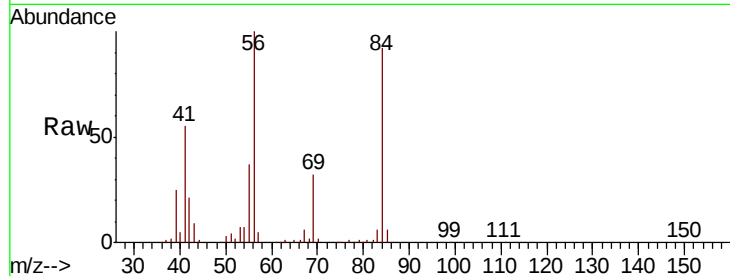
#31
Cyclohexane
Concen: 45.450 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.2	37.8
84	89.8	71.3	106.9

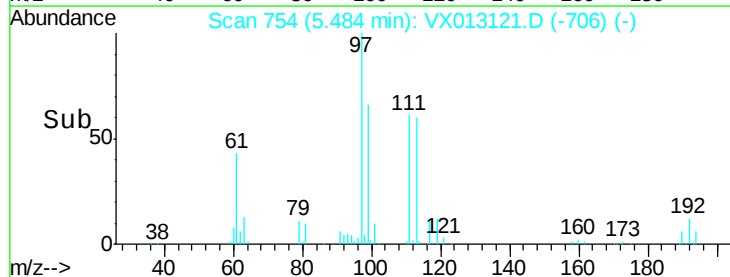
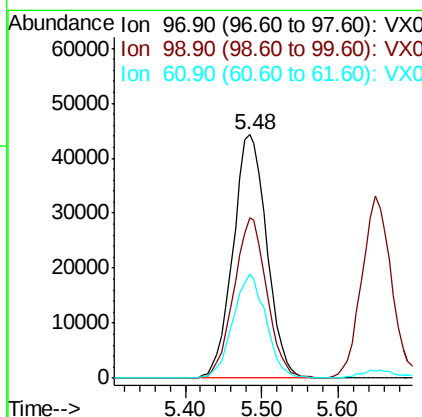
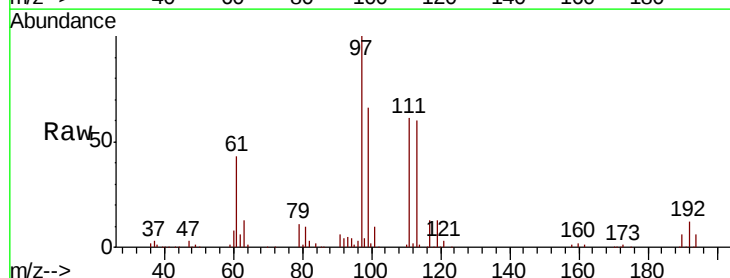
Manual Integrations
APPROVED

MMDadoda
10/18/2019 10:05:19 AM



#32
1,1,1-Trichloroethane
Concen: 53.160 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.3	78.5
61	42.0	35.0	52.4





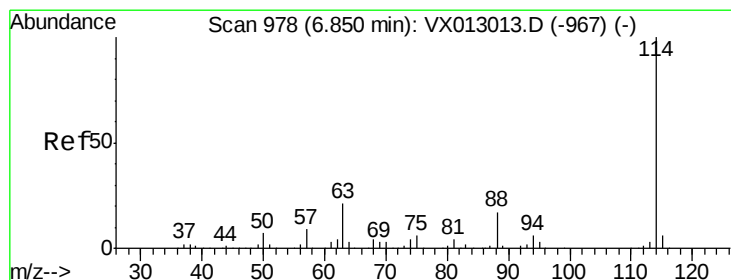
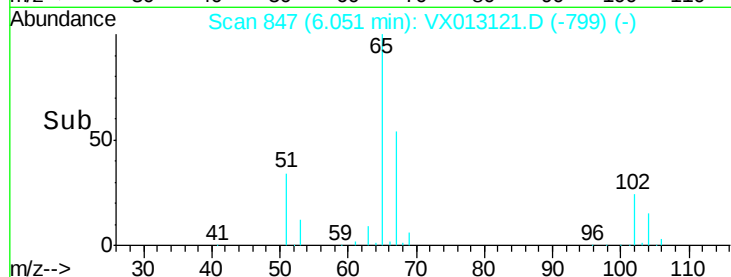
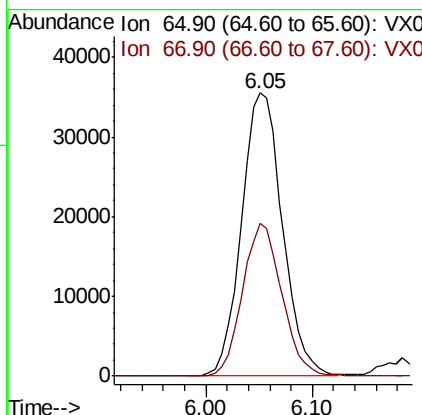
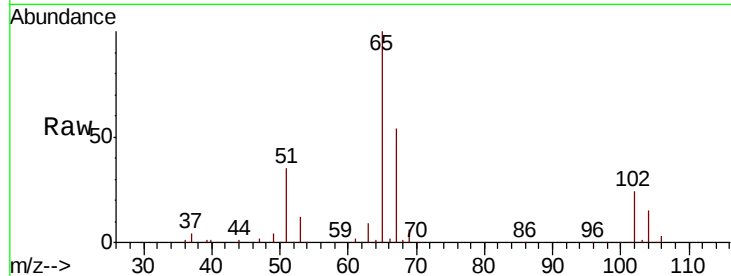
#33
 1,2-Dichloroethane-d4
 Concen: 50.855 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX013121.D
 Acq: 17 Oct 2019 20:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	104.4

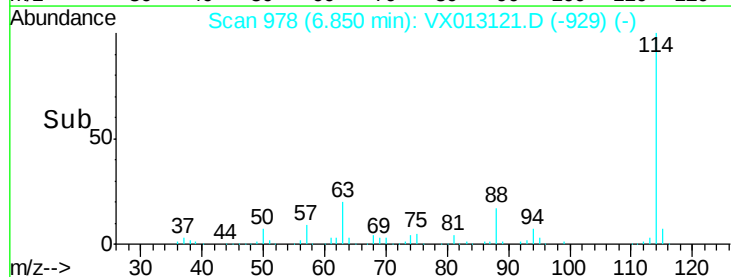
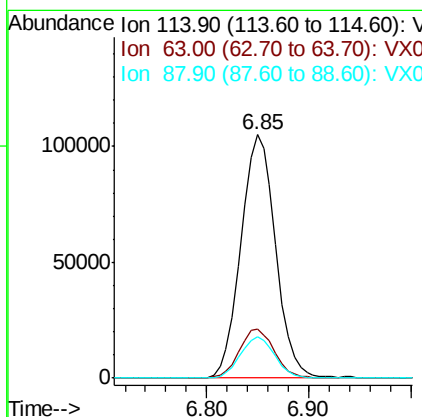
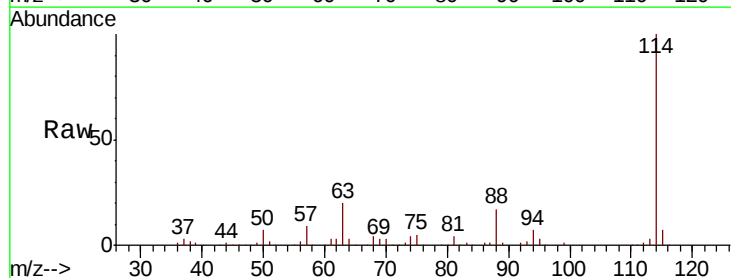
Manual Integrations
 APPROVED

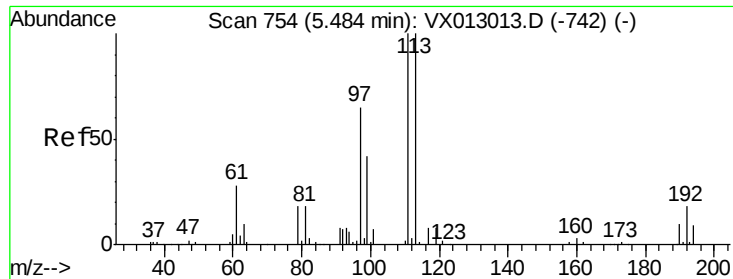
MMDadoda
 10/18/2019 10:05:19 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013121.D
 Acq: 17 Oct 2019 20:37

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.8
88	17.0	0.0	33.8





#35

Dibromofluoromethane

Concen: 54.787 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

Instrument :

MSVOA_X

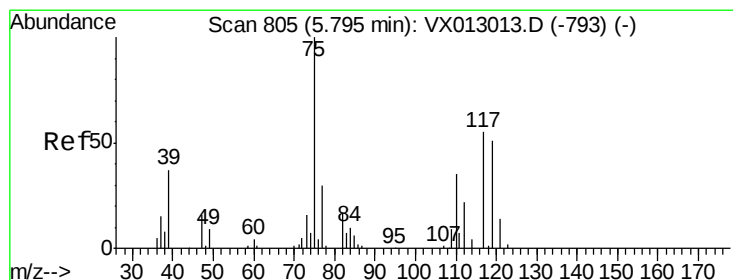
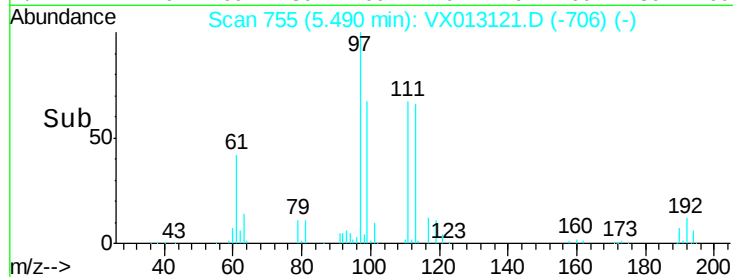
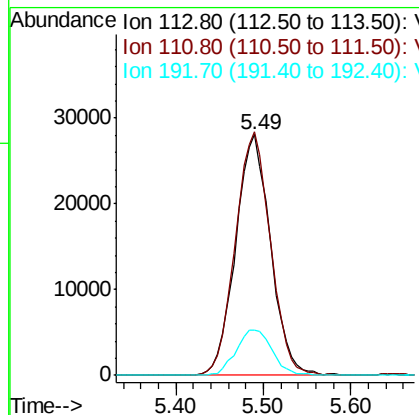
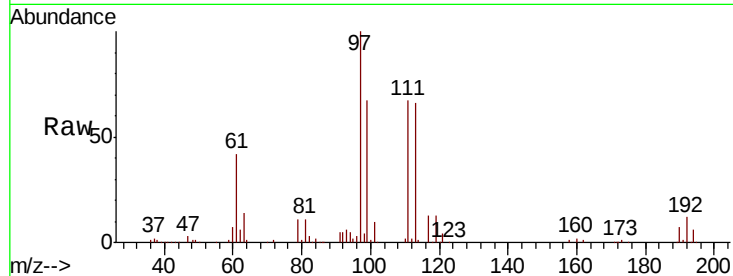
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	78005
Ion Ratio	Lower	Upper	
113	100		
111	101.7	83.2	124.8
192	19.5	15.4	23.2

Manual Integrations
APPROVED

MMDadoda
10/18/2019 10:05:19 AM



#36

1,1-Dichloropropene

Concen: 50.055 ug/l

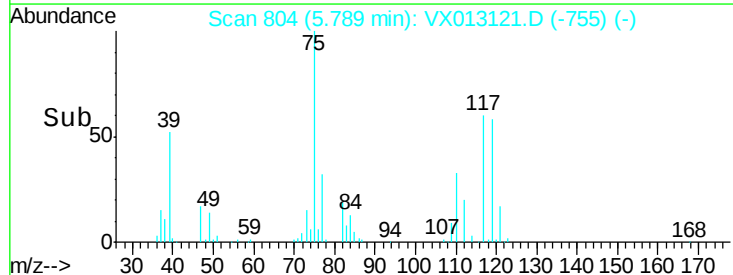
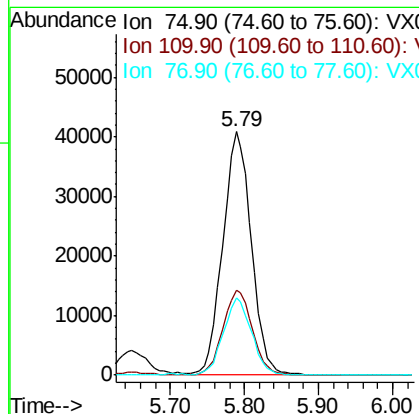
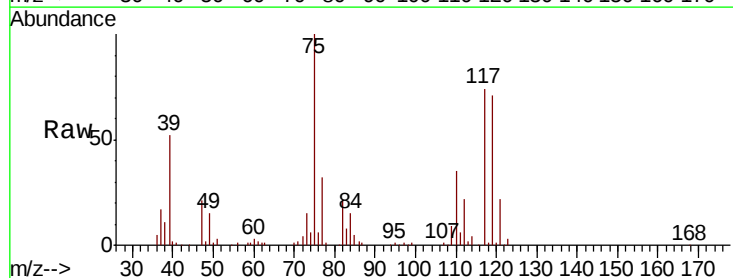
RT: 5.79 min Scan# 804

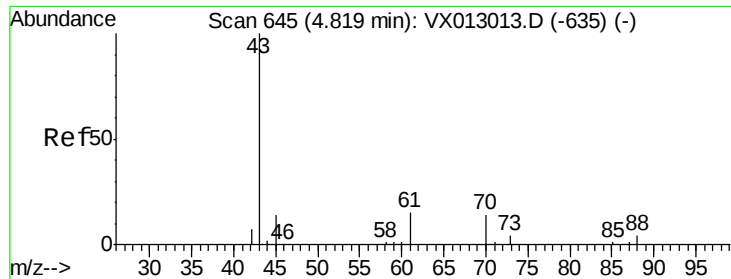
Delta R.T. 0.00 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

Tgt Ion:	75	Resp:	109171
Ion Ratio	Lower	Upper	
75	100		
110	35.8	17.6	52.9
77	31.1	24.4	36.6





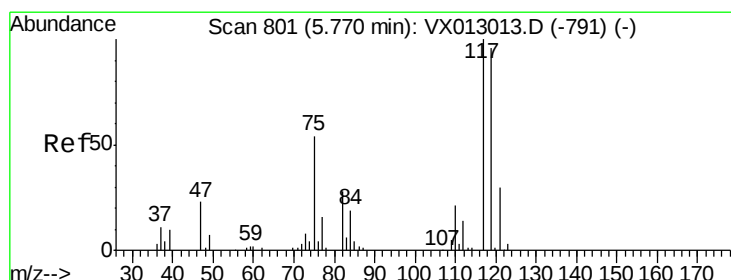
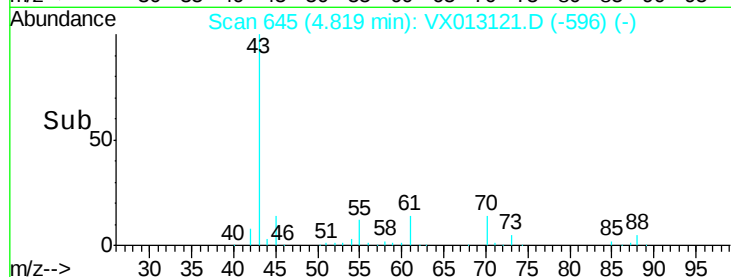
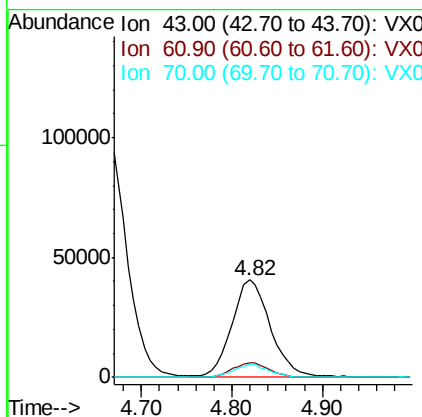
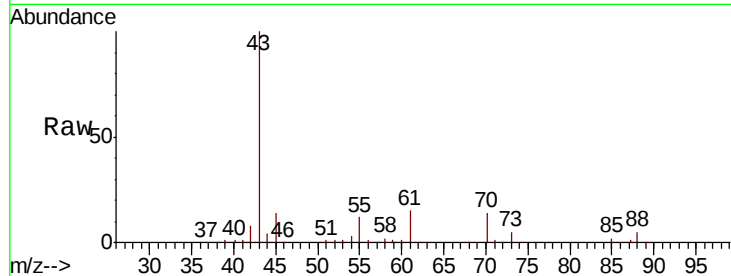
#37
Ethyl Acetate
Concen: 48.438 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.4	17.0
70	12.7	9.8	14.6

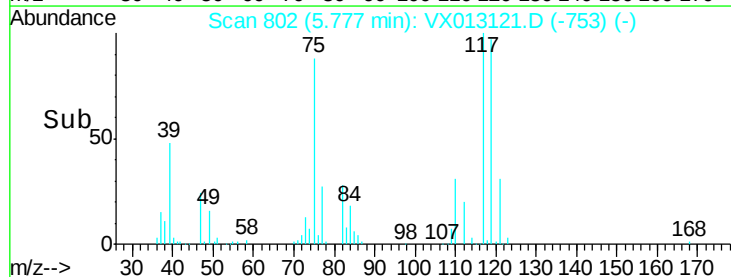
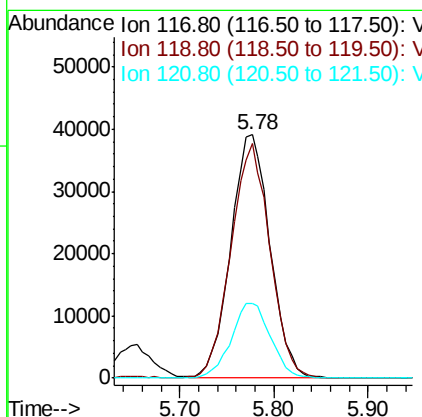
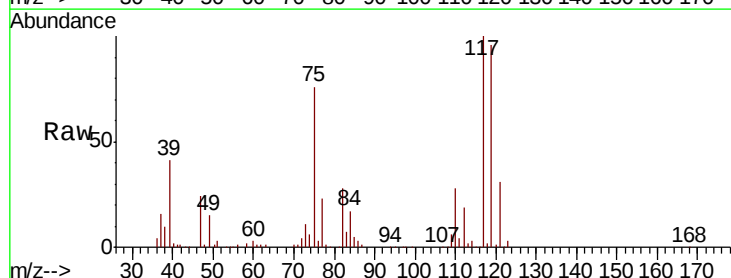
Manual Integrations
APPROVED

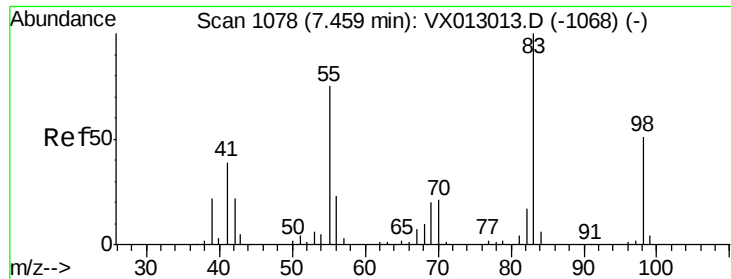
MMDadoda
10/18/2019 10:05:19 AM



#38
Carbon Tetrachloride
Concen: 53.352 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	74.5	111.7
121	30.5	24.2	36.4





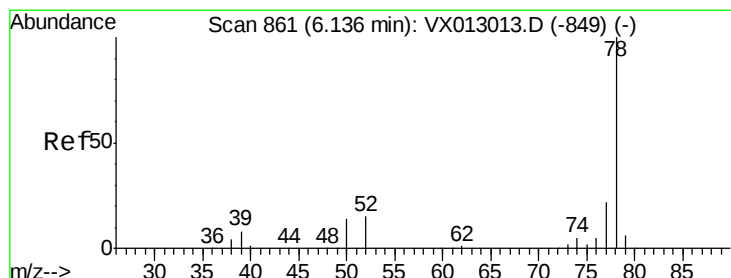
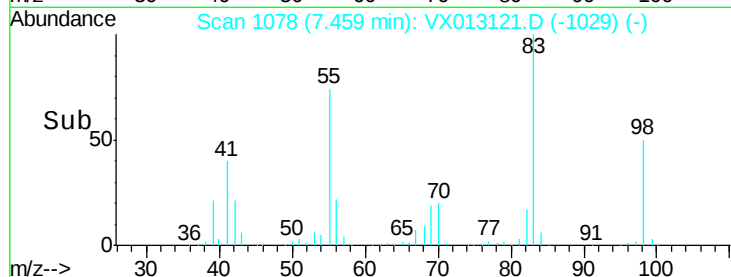
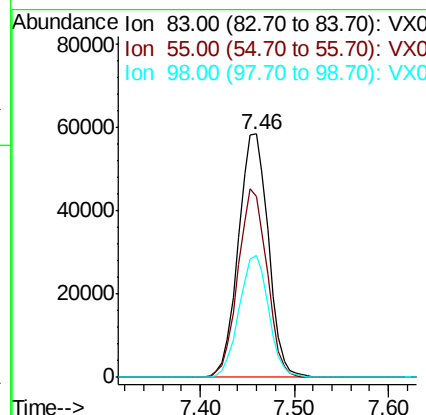
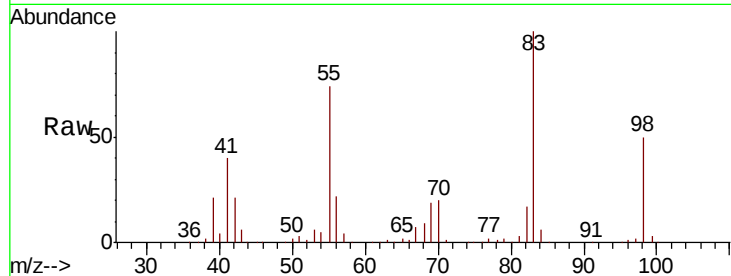
#39
Methylvlcyclohexane
Concen: 49.020 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	129657		
55	74.1	60.2	90.4	
98	50.3	38.5	57.7	

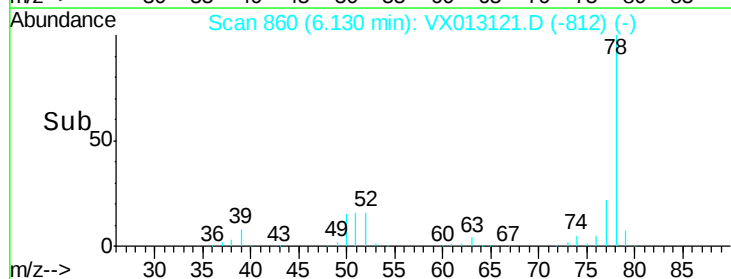
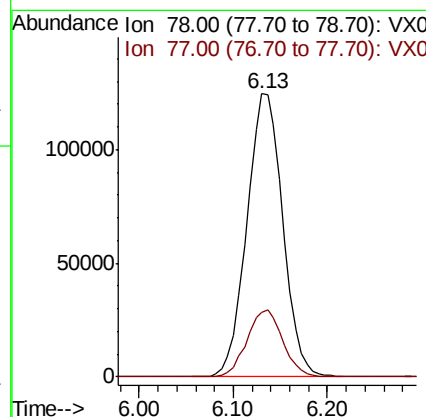
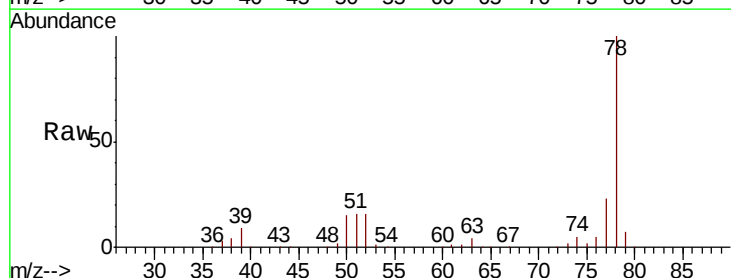
Manual Integrations
APPROVED

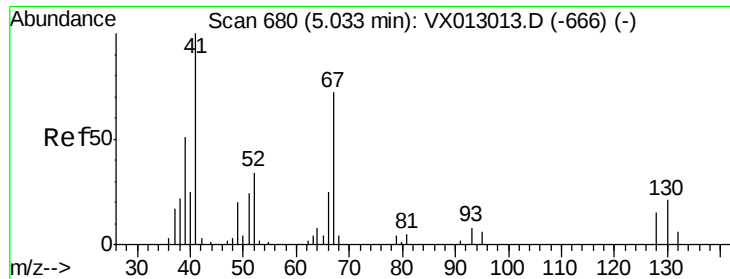
MMDadoda
10/18/2019 10:05:19 AM



#40
Benzene
Concen: 51.441 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	331367		
77	22.9	19.0	28.4	





#41

Methacrylonitrile

Concen: 49.359 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.01 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 66145

Ion Ratio Lower Upper

41 100

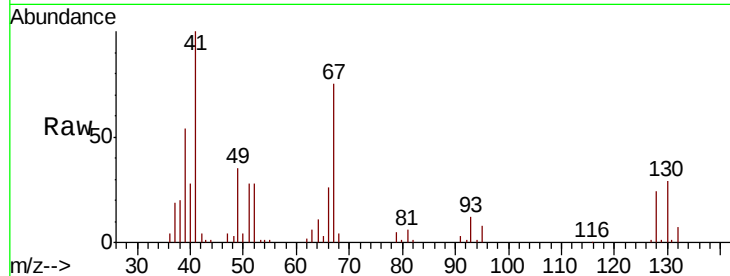
39 56.1 44.0 66.0

67 75.3 58.5 87.7

52 29.7 23.8 35.8

Manual Integrations
APPROVED

MMDadoda
10/18/2019 10:05:19 AM

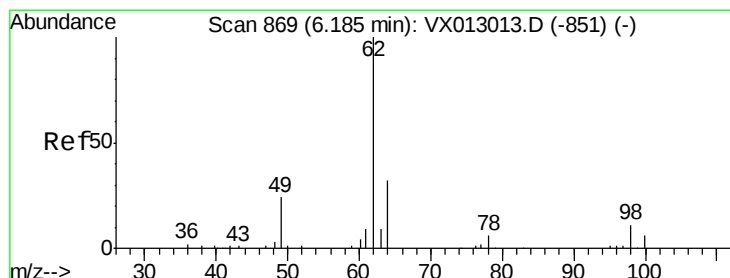
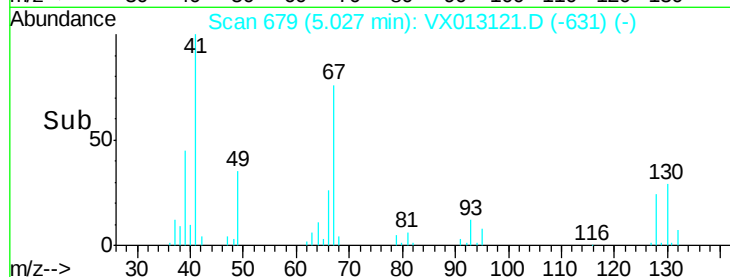
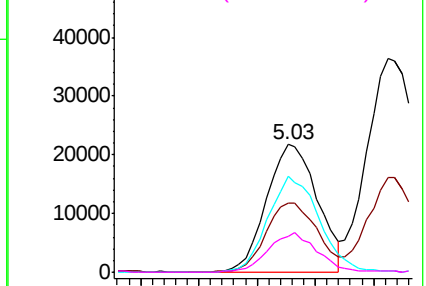


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 52.611 ug/l

RT: 6.18 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX013121.D

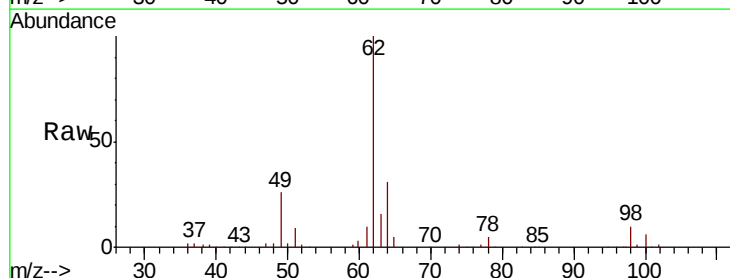
Acq: 17 Oct 2019 20:37

Tgt Ion: 62 Resp: 121609

Ion Ratio Lower Upper

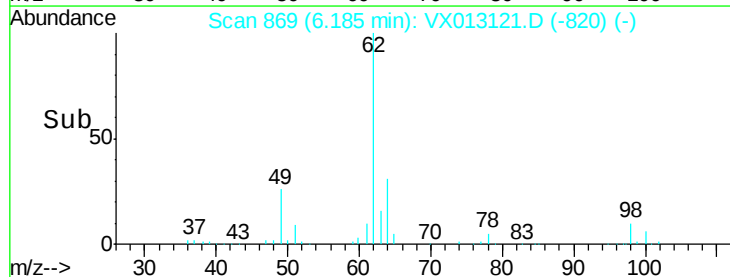
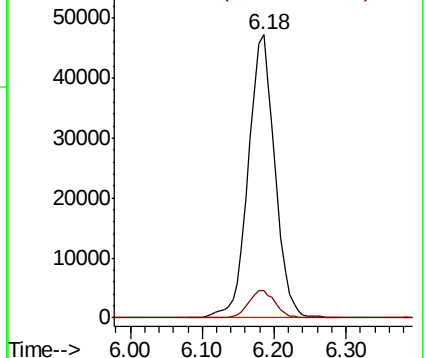
62 100

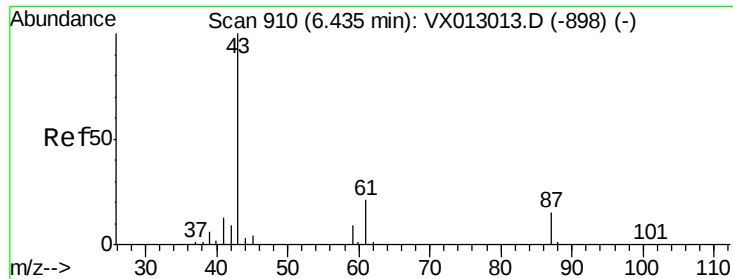
98 9.6 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

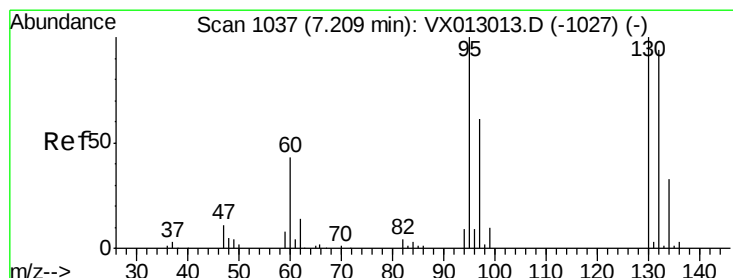
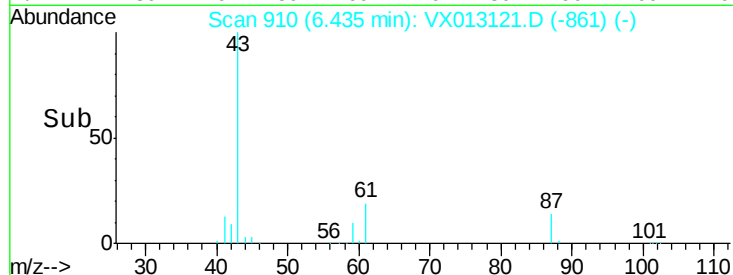
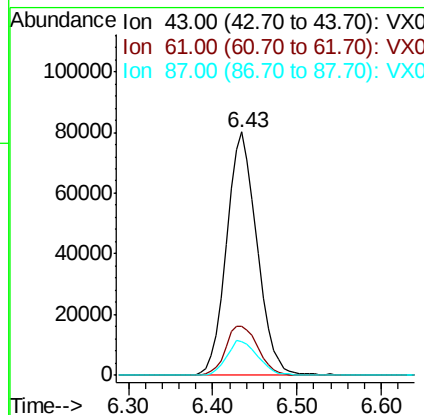
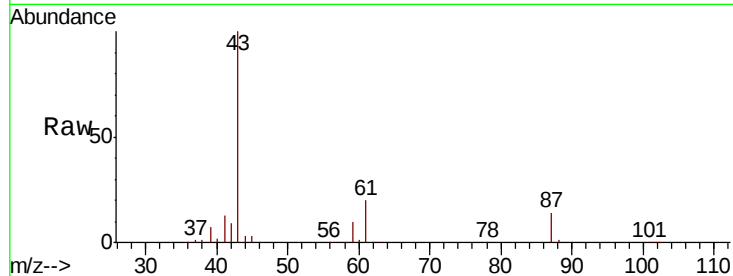
Isopropyl Acetate
 Concen: 50.185 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX013121.D
 Acq: 17 Oct 2019 20:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	61	87
Resp	196441		
Ratio	100	21.6	14.5
Lower		16.6	11.0
Upper		24.8	16.6

Manual Integrations
 APPROVED

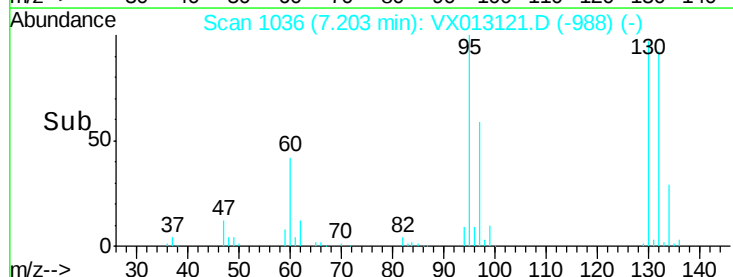
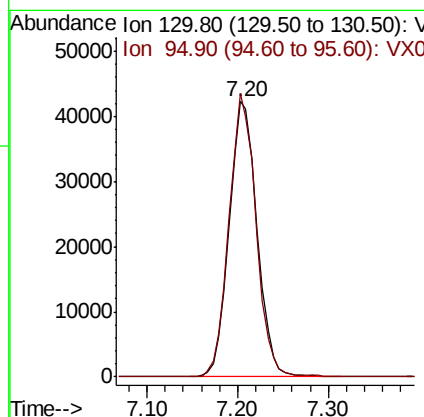
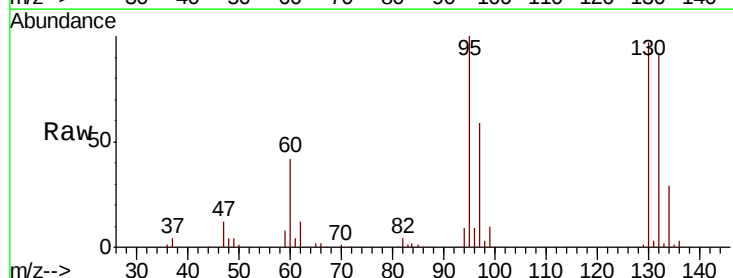
MMDadoda
 10/18/2019 10:05:19 AM

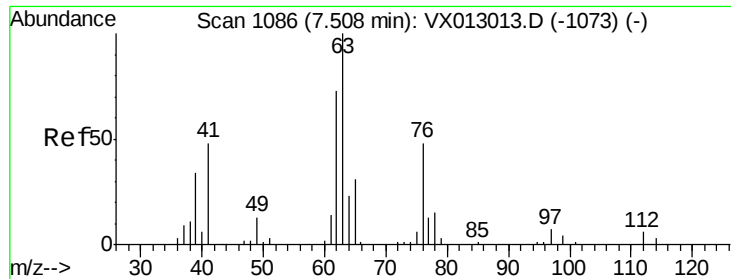


#44

Trichloroethene
 Concen: 50.434 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX013121.D
 Acq: 17 Oct 2019 20:37

Tgt Ion	130	95
Resp	90089	
Ratio	100	102.8
Lower		0.0
Upper		189.2





#45

1,2-Dichloropropane

Concen: 52.599 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 86355

Ion Ratio Lower Upper

63 100

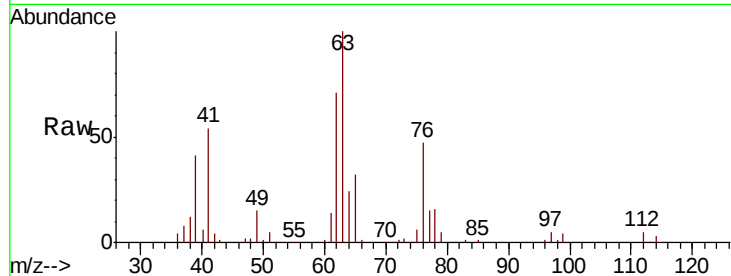
65 32.0 24.6 37.0

Manual Integrations

APPROVED

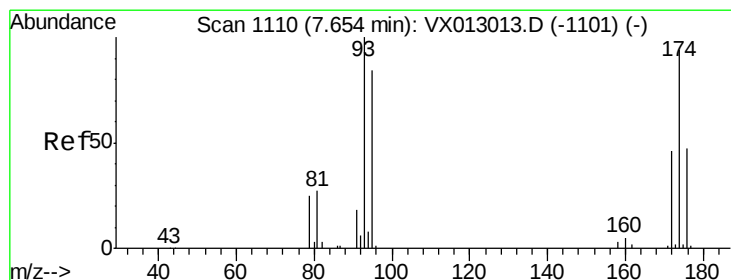
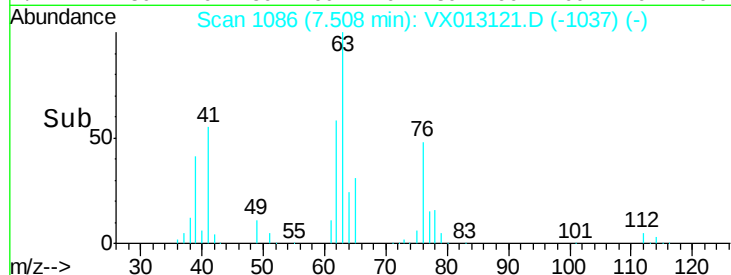
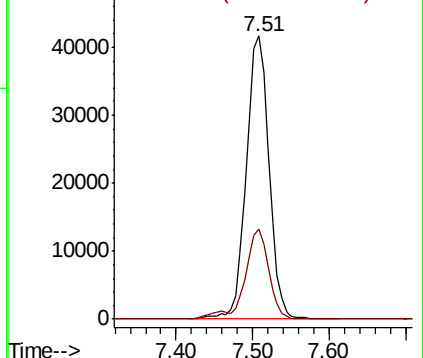
MMDadoda

10/18/2019 10:05:19 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 54.417 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

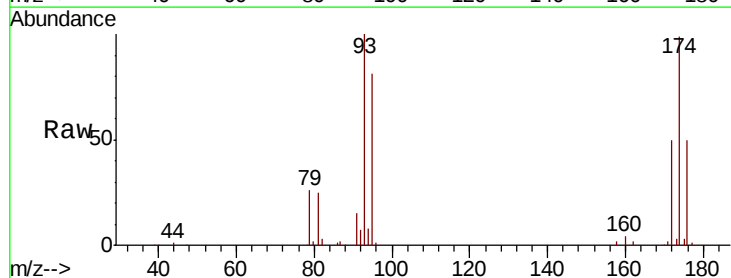
Tgt Ion: 93 Resp: 59523

Ion Ratio Lower Upper

93 100

95 82.9 66.3 99.5

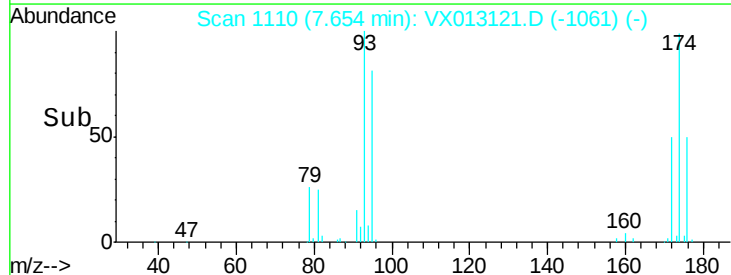
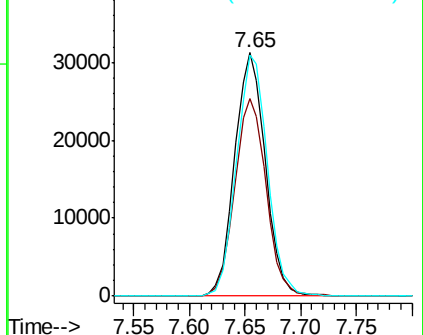
174 100.4 77.8 116.6

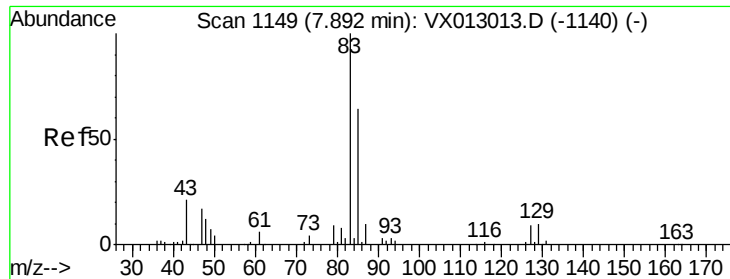


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.959 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

Instrument :

MSVOA_X

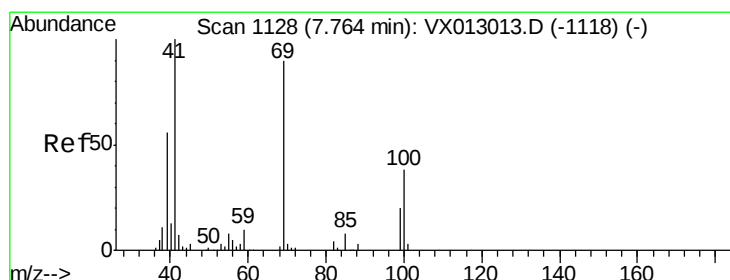
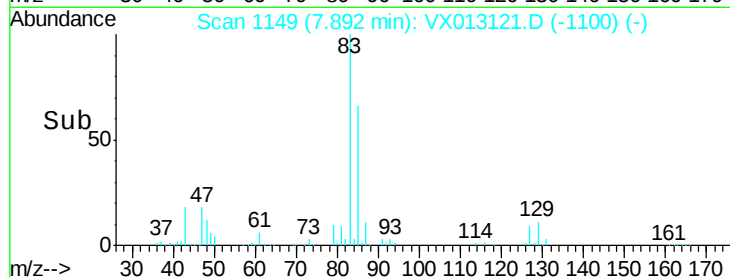
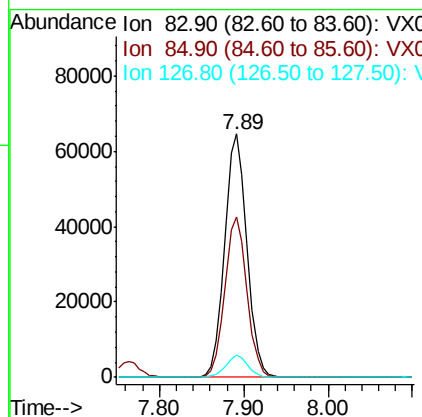
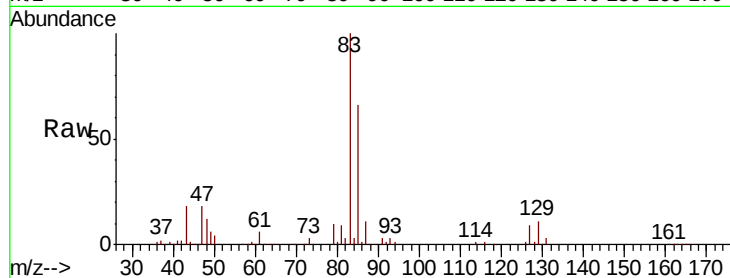
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	117319
Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.4	78.6
127	9.1	6.6	10.0

Manual Integrations
APPROVED

MMDadoda
10/18/2019 10:05:19 AM



#48

Methyl methacrylate

Concen: 50.010 ug/l

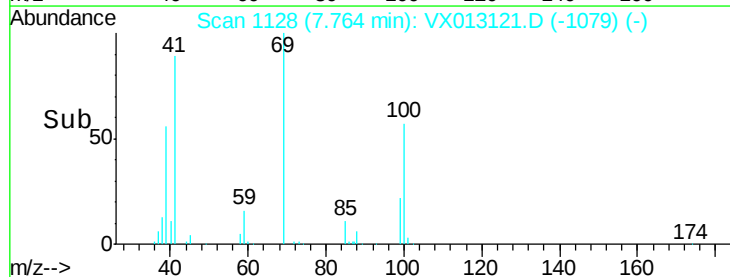
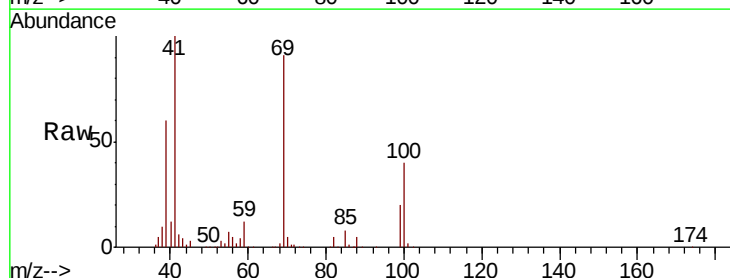
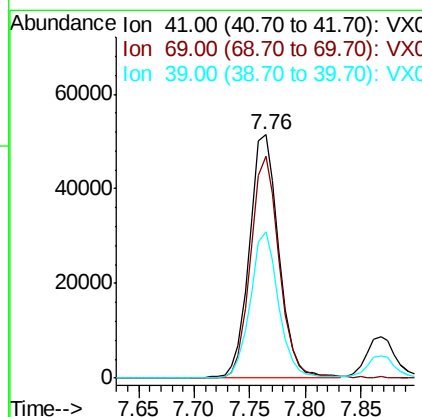
RT: 7.76 min Scan# 1128

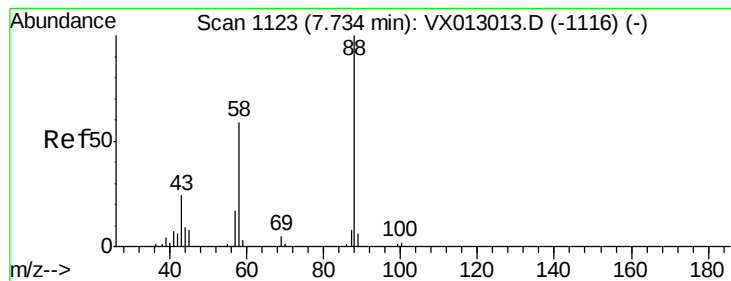
Delta R.T. 0.00 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

Tgt Ion:	41	Resp:	95394
Ion	Ratio	Lower	Upper
41	100		
69	88.7	68.7	103.1
39	57.6	44.3	66.5





#49

1,4-Dioxane

Concen: 930.217 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

Instrument :

MSVOA_X

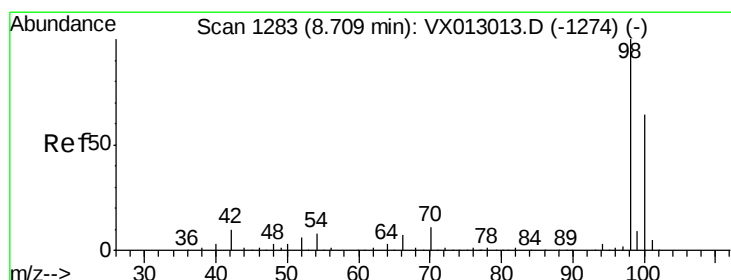
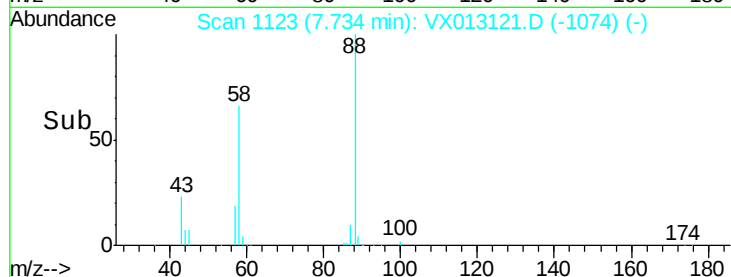
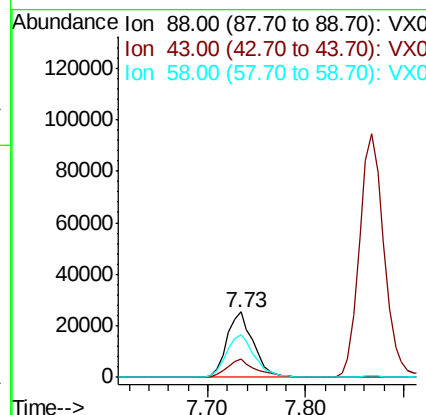
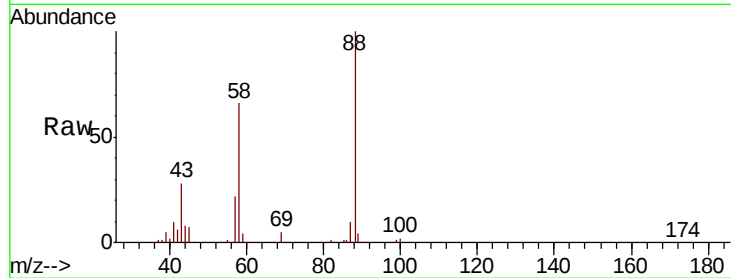
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	47487
Ion	Ratio	Lower	Upper
88	100		
43	31.4	25.0	37.6
58	70.0	55.4	83.2

Manual Integrations
APPROVED

MMDadoda
10/18/2019 10:05:19 AM



#50

Toluene-d8

Concen: 51.935 ug/l

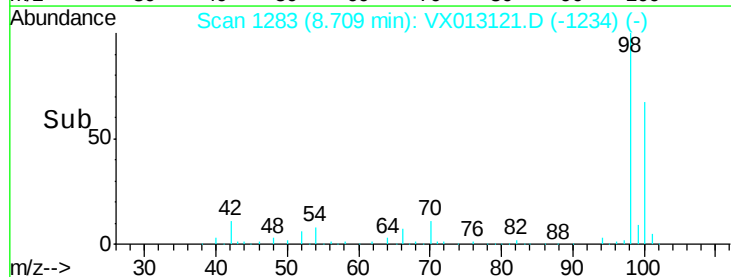
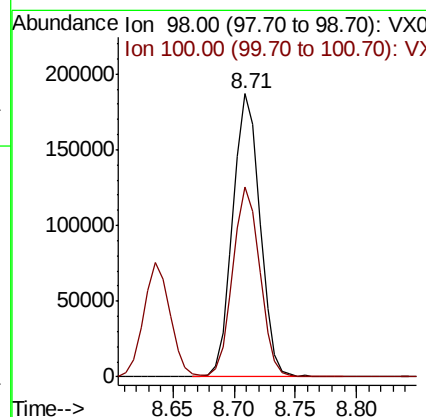
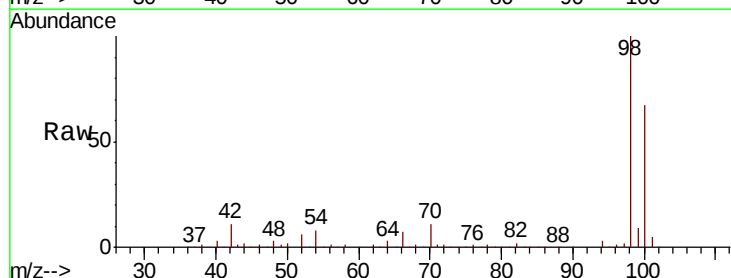
RT: 8.71 min Scan# 1283

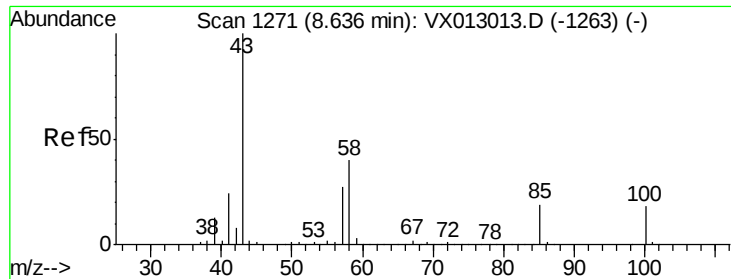
Delta R.T. 0.00 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

Tgt Ion:	98	Resp:	288400
Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 252.950 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 617326

Ion Ratio Lower Upper

43 100

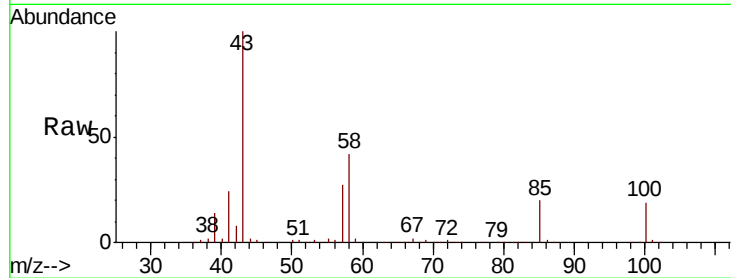
58 41.7 32.4 48.6

Manual Integrations

APPROVED

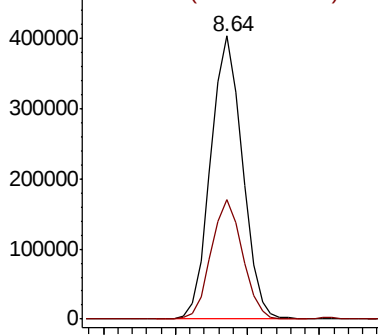
MMDadoda

10/18/2019 10:05:19 AM

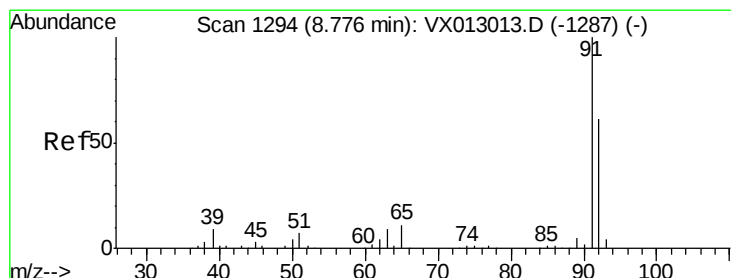
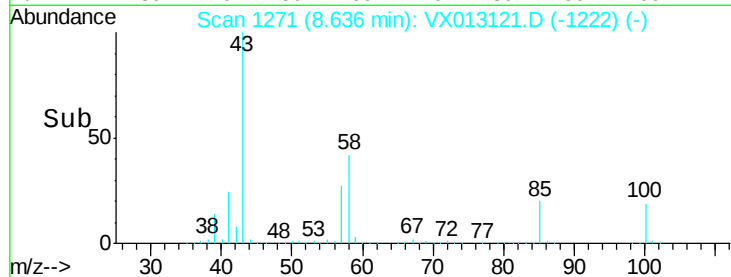


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#52

Toluene

Concen: 51.859 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013121.D

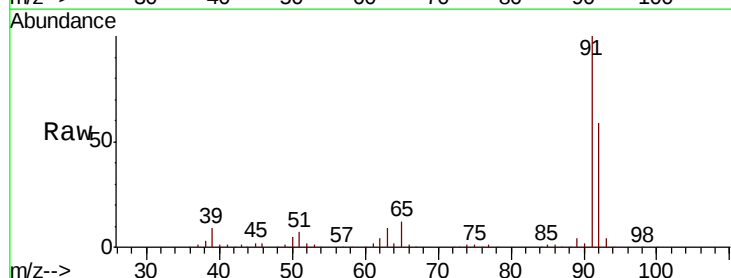
Acq: 17 Oct 2019 20:37

Tgt Ion: 92 Resp: 213717

Ion Ratio Lower Upper

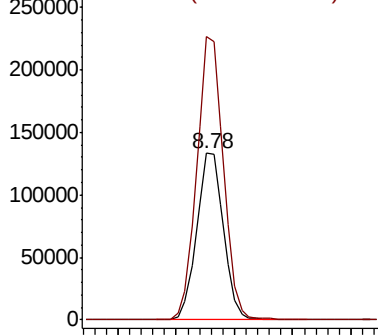
92 100

91 168.2 135.9 203.9

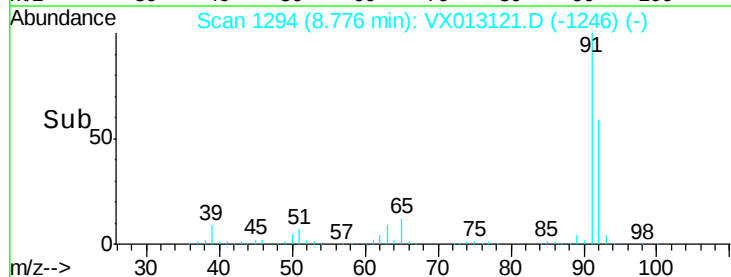


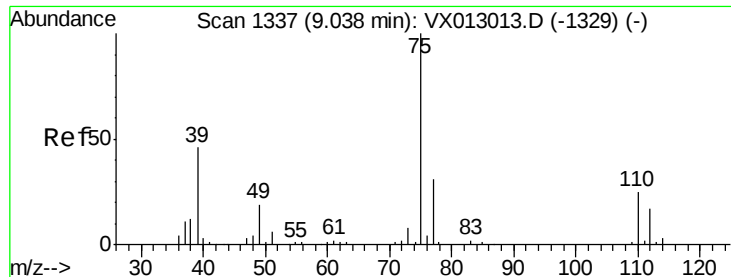
Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->





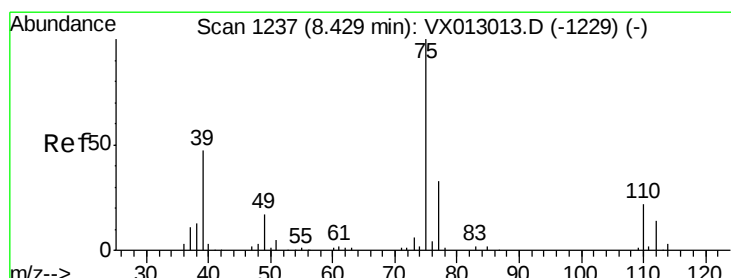
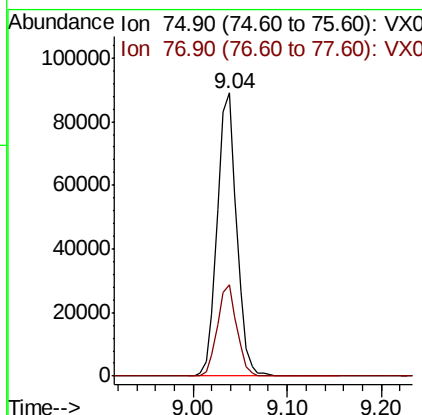
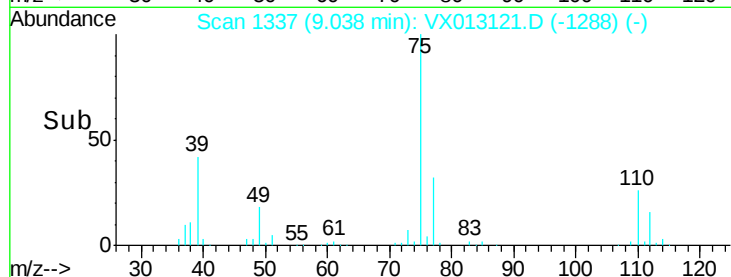
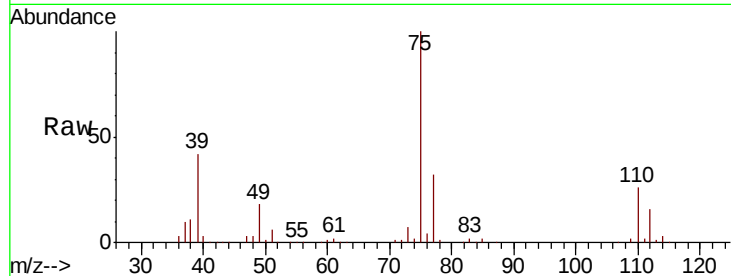
#53
t-1,3-Dichloropropene
Concen: 48.012 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.8	38.6

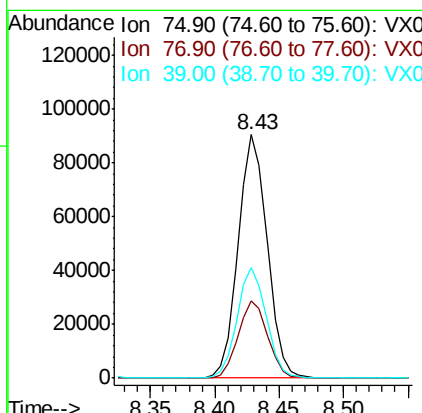
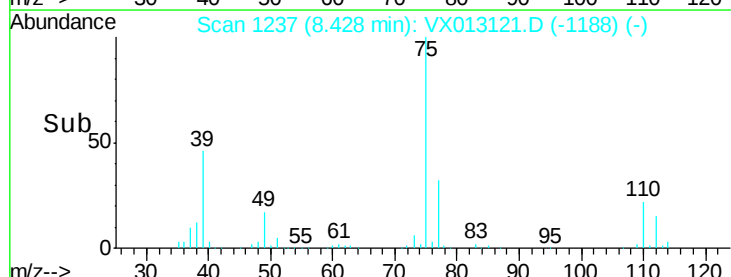
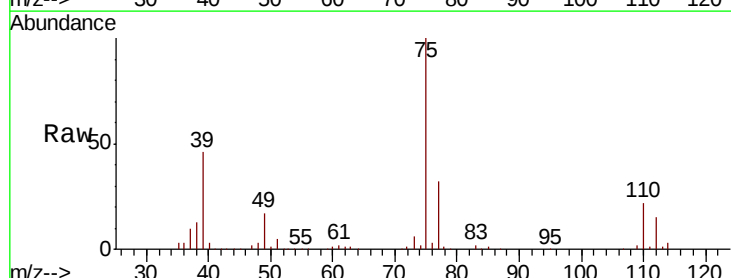
Manual Integrations
APPROVED

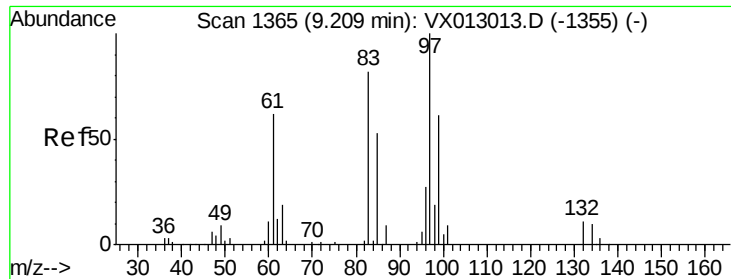
MMDadoda
10/18/2019 10:05:19 AM



#54
cis-1,3-Dichloropropene
Concen: 53.757 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.8	38.8
39	45.5	38.2	57.2





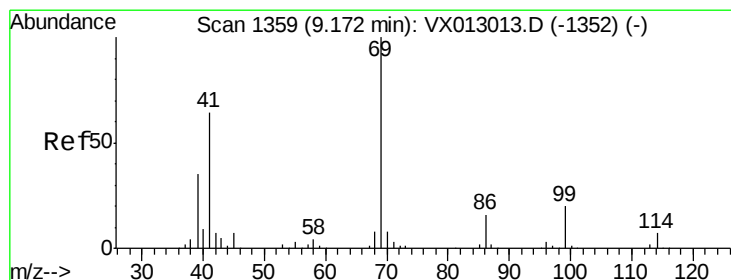
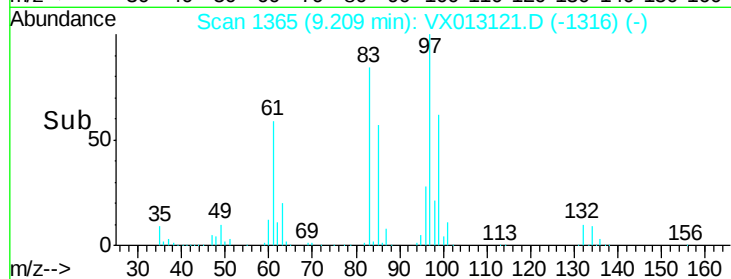
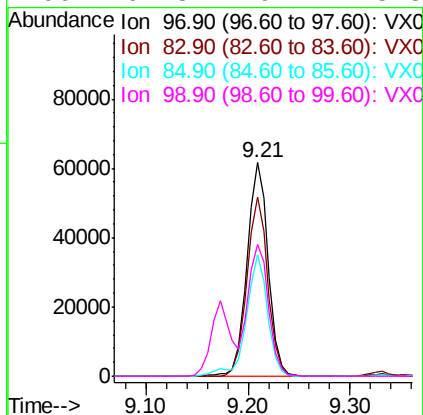
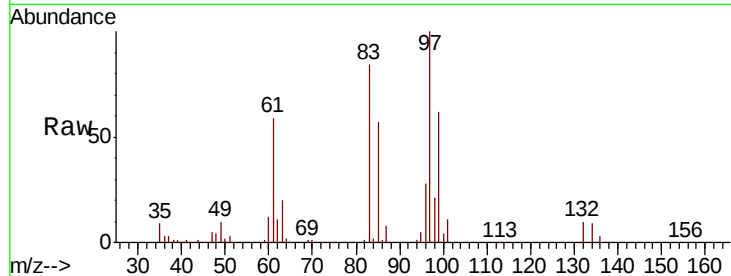
#55
 1,1,2-Trichloroethane
 Concen: 54.441 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013121.D
 Acq: 17 Oct 2019 20:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	88788
Ion	Ratio	Lower	Upper
97	100		
83	84.0	66.5	99.7
85	56.8	43.1	64.7
99	61.8	49.2	73.8

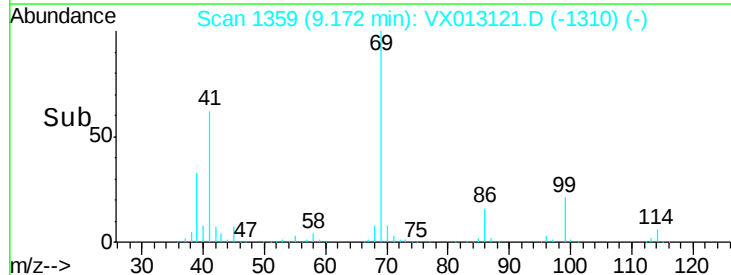
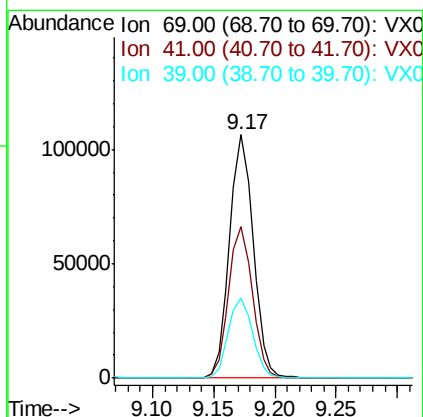
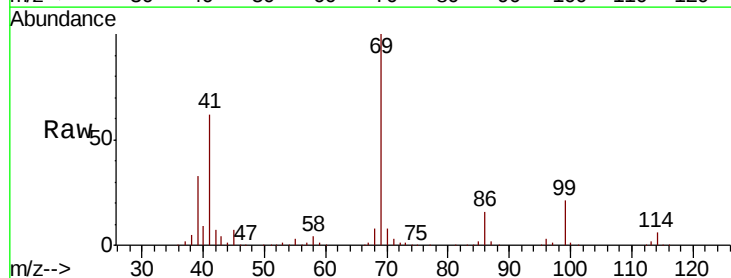
Manual Integrations
 APPROVED

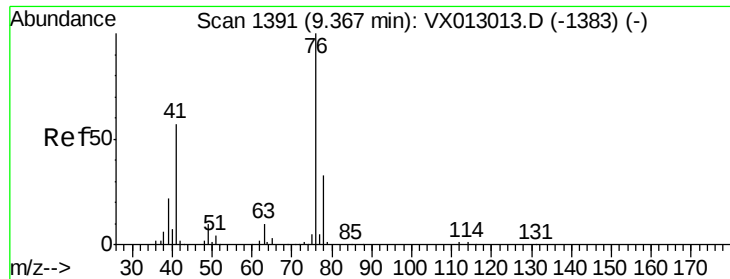
MMDadoda
 10/18/2019 10:05:19 AM



#56
 Ethyl methacrylate
 Concen: 49.204 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013121.D
 Acq: 17 Oct 2019 20:37

Tgt Ion:	69	Resp:	143608
Ion	Ratio	Lower	Upper
69	100		
41	62.6	52.1	78.1
39	33.8	27.8	41.8





#57

1,3-Dichloropropane

Concen: 52.555 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 148267

Ion Ratio Lower Upper

76 100

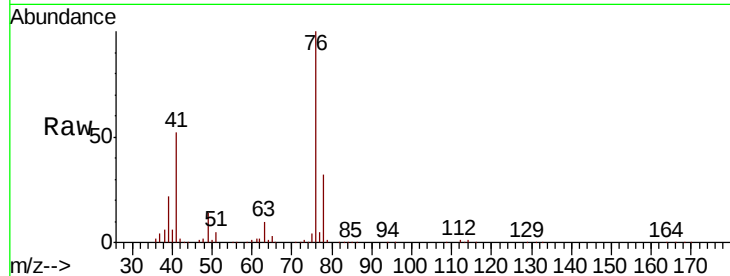
78 32.5 26.1 39.1

Manual Integrations

APPROVED

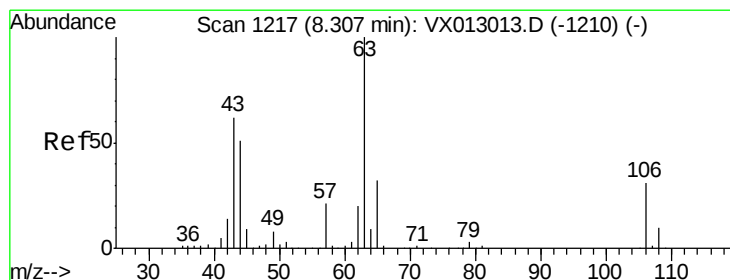
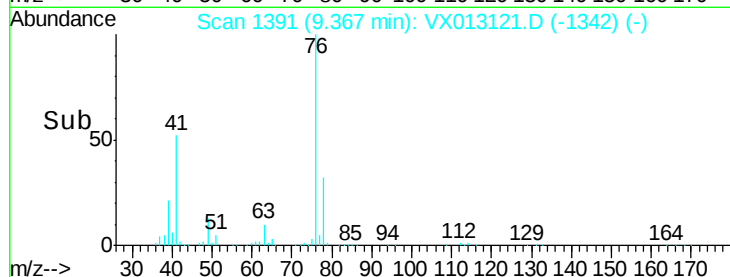
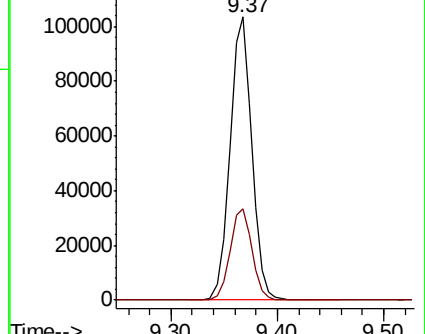
MMDadoda

10/18/2019 10:05:19 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 264.322 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX013121.D

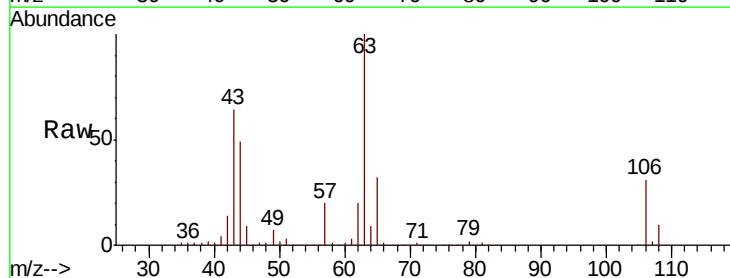
Acq: 17 Oct 2019 20:37

Tgt Ion: 63 Resp: 316682

Ion Ratio Lower Upper

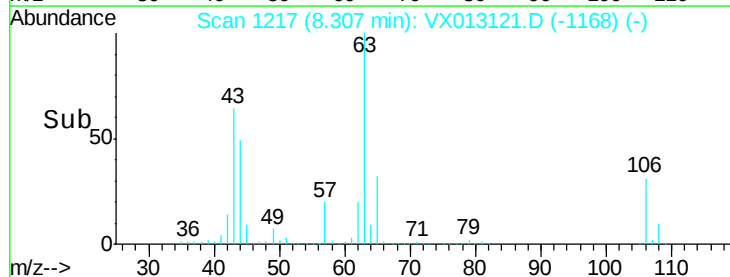
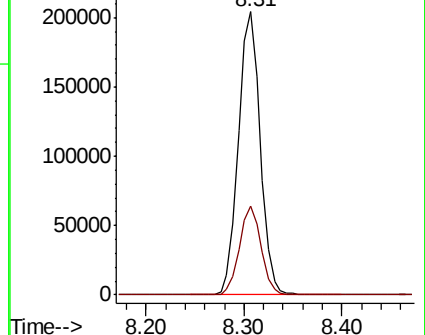
63 100

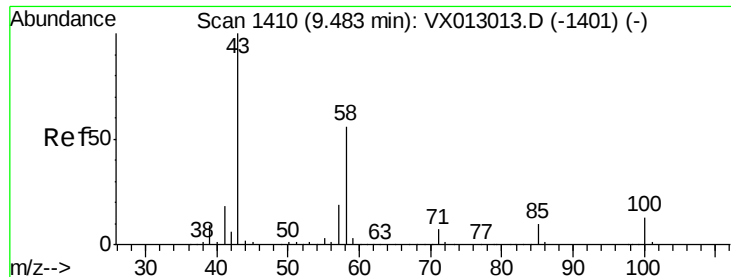
106 31.0 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





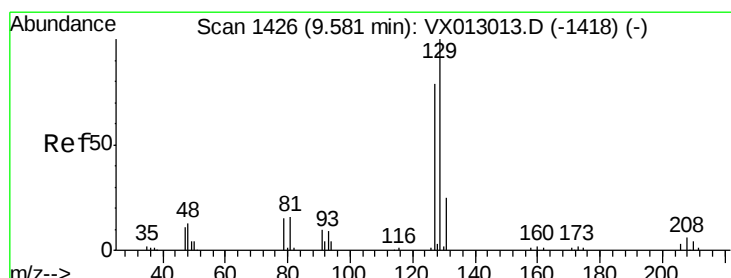
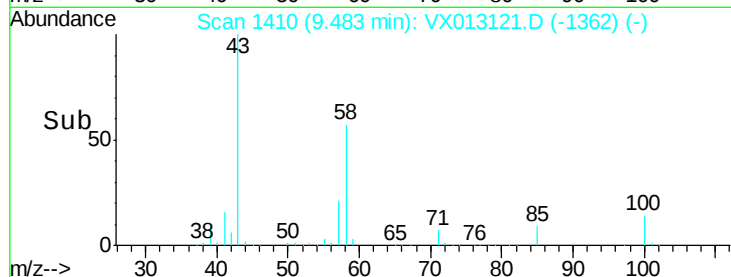
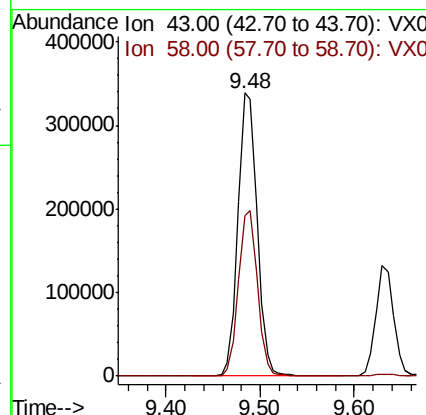
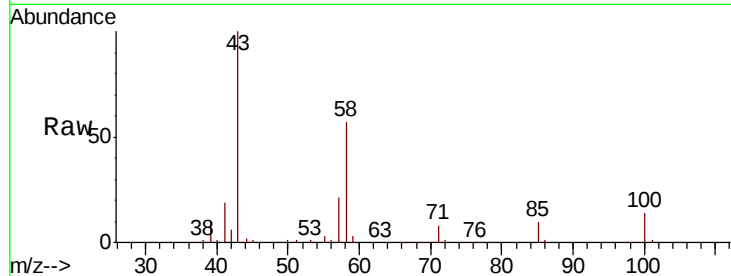
#59
2-Hexanone
Concen: 252.211 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.0	28.1	84.3

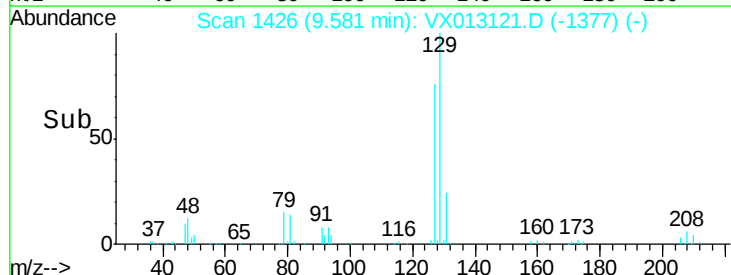
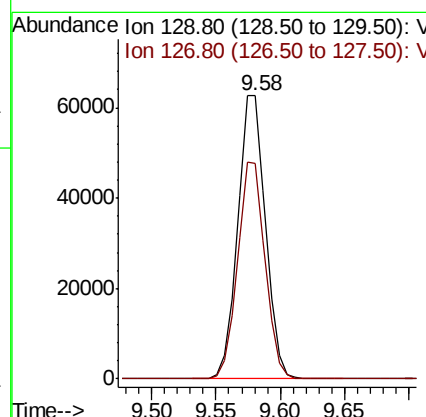
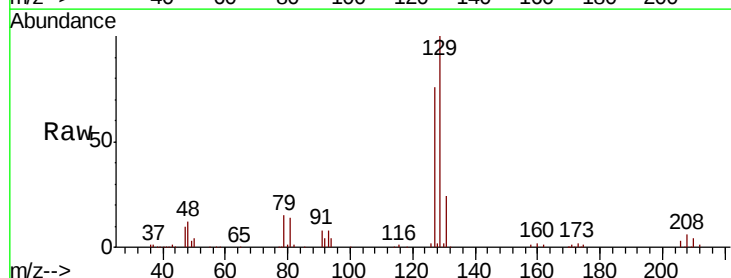
Manual Integrations
APPROVED

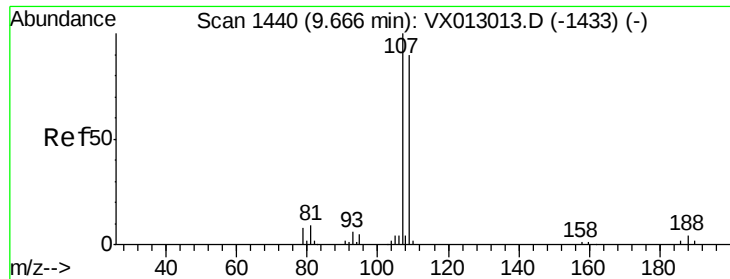
MMDadoda
10/18/2019 10:05:19 AM



#60
Dibromochloromethane
Concen: 51.577 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.9	38.9	116.7





#61

1,2-Dibromoethane

Concen: 54.758 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 93945

Ion Ratio Lower Upper

107 100

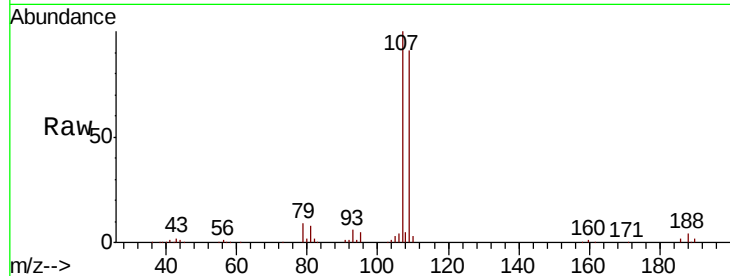
109 93.0 75.8 113.6

Manual Integrations

APPROVED

MMDadoda

10/18/2019 10:05:19 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

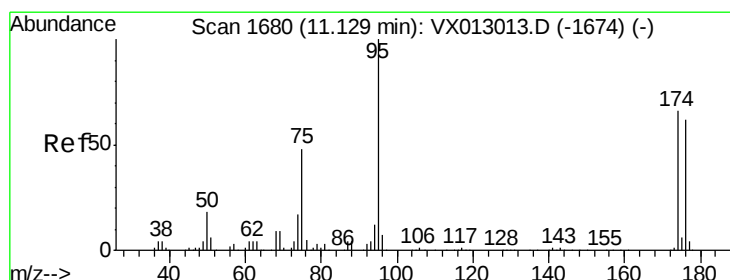
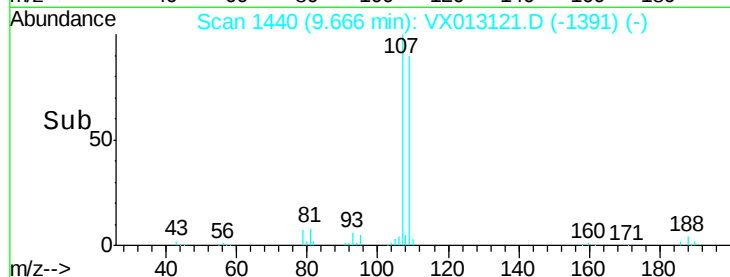
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.022 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

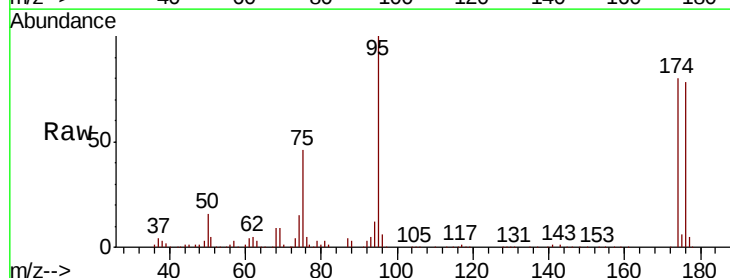
Tgt Ion: 95 Resp: 114405

Ion Ratio Lower Upper

95 100

174 72.4 0.0 143.4

176 73.7 0.0 136.0



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

120000

100000

80000

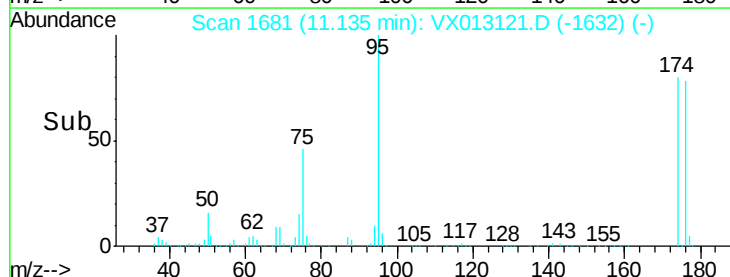
60000

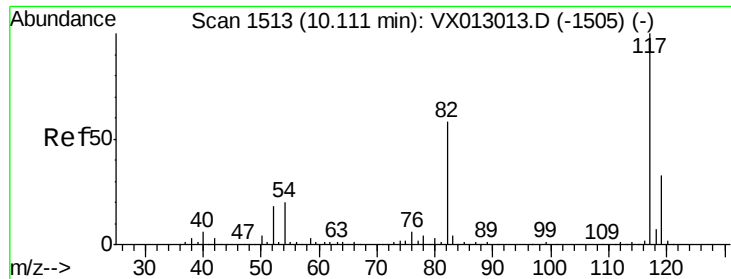
40000

20000

0

Time-->





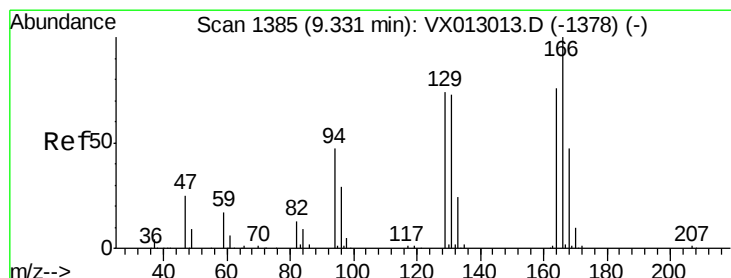
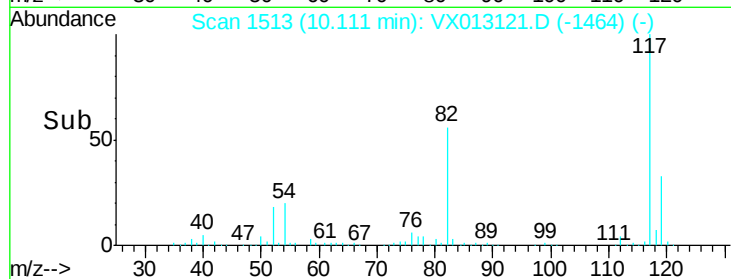
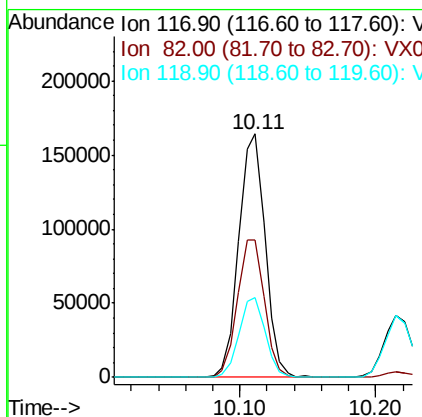
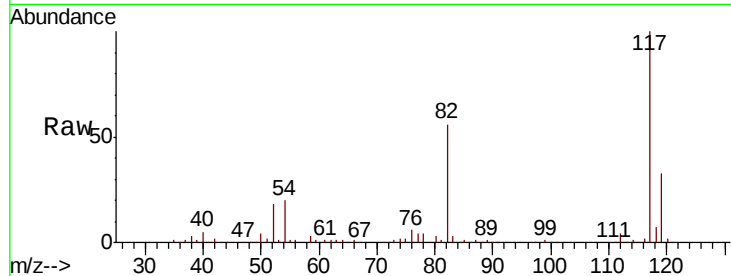
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	44.1	66.1
119	32.8	25.8	38.8

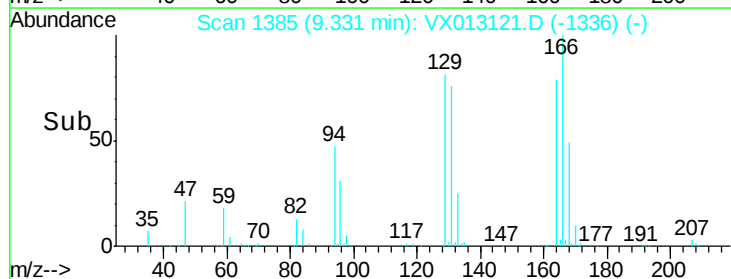
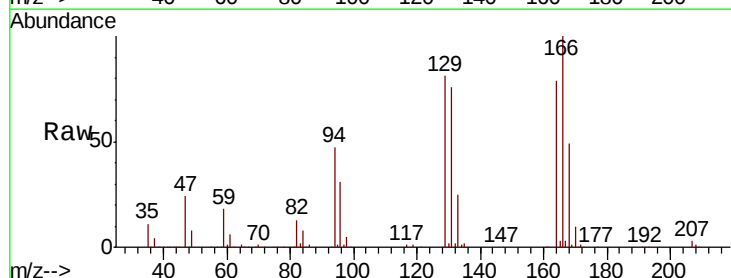
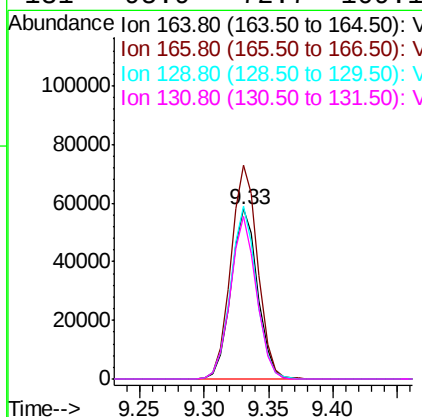
Manual Integrations
APPROVED

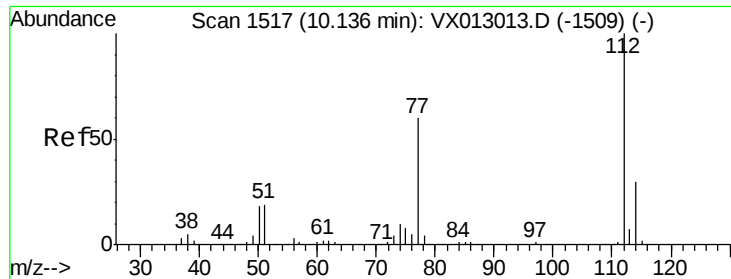
MMDadoda
10/18/2019 10:05:19 AM



#64
Tetrachloroethene
Concen: 54.125 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	96.9	145.3
129	102.1	77.9	116.9
131	95.9	72.7	109.1





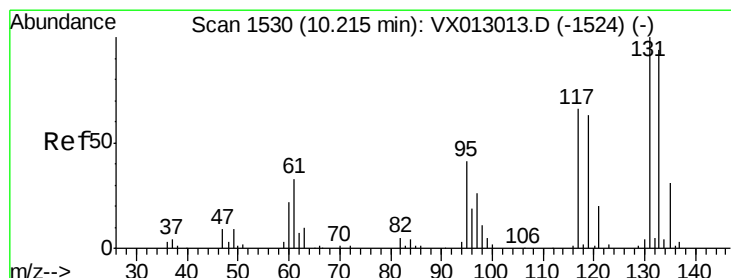
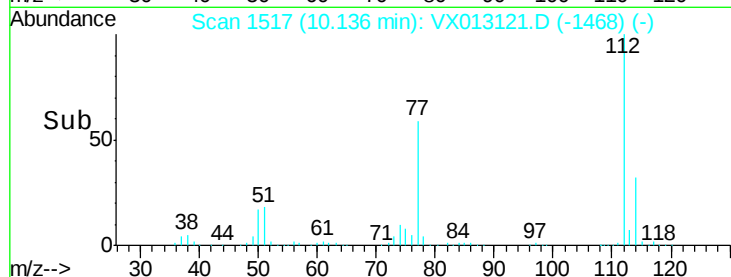
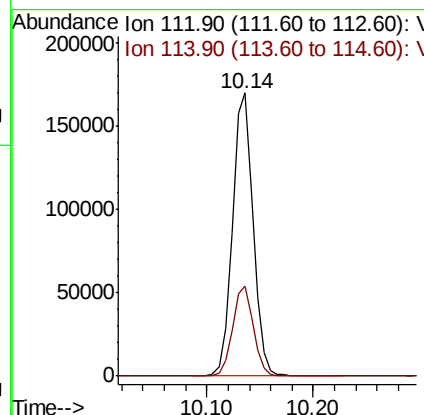
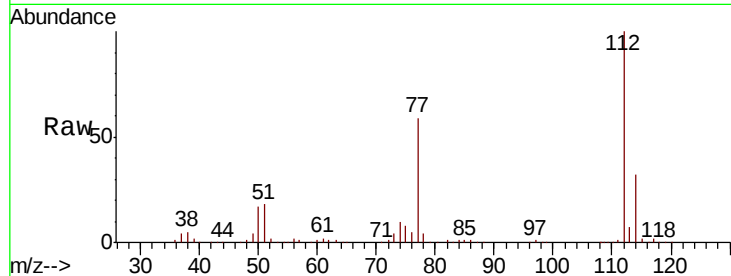
#65
Chlorobenzene
Concen: 52.213 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 230831
Ion Ratio Lower Upper
112 100
114 31.6 25.7 38.5

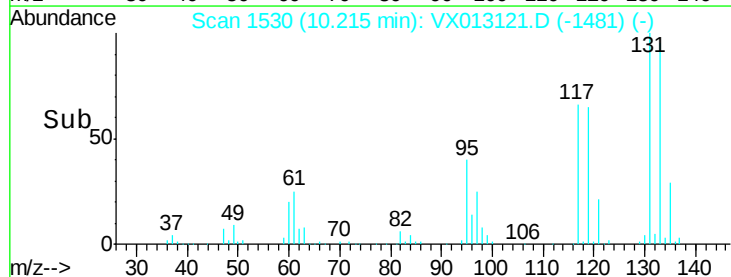
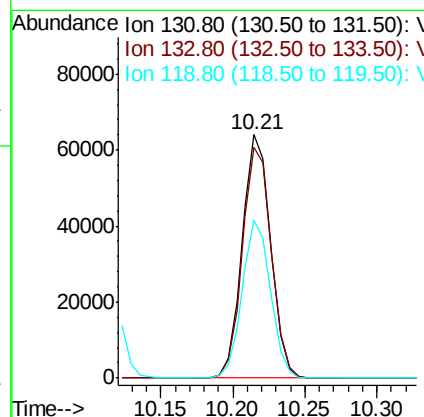
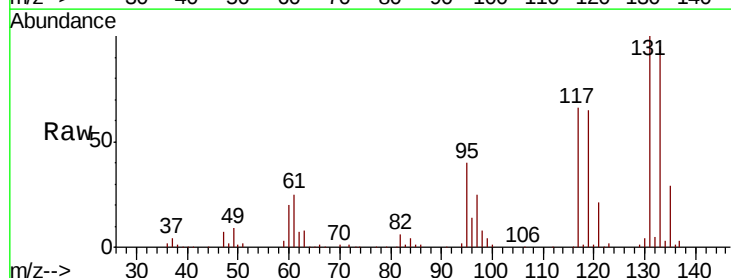
Manual Integrations
APPROVED

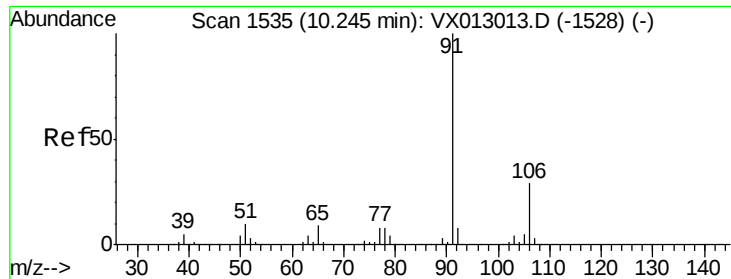
MMDadoda
10/18/2019 10:05:19 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 57.358 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Tgt Ion:131 Resp: 87921
Ion Ratio Lower Upper
131 100
133 95.7 47.2 141.6
119 64.4 32.6 98.0





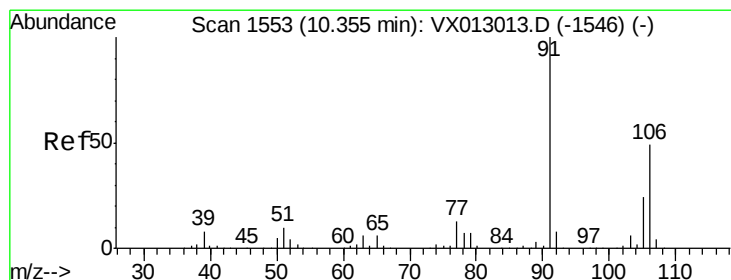
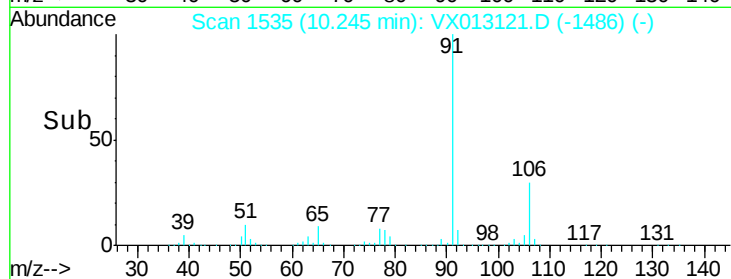
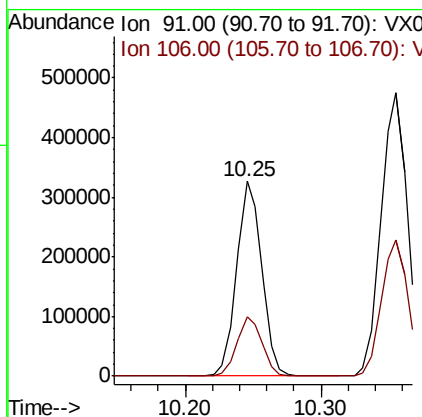
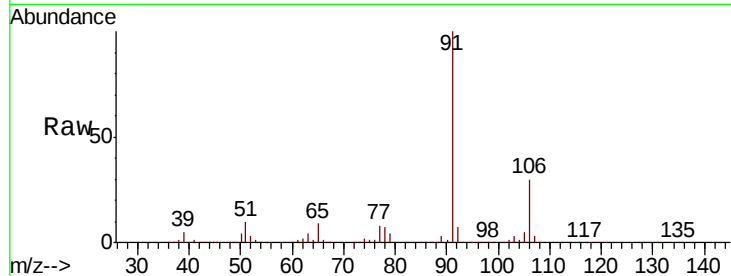
#67
Ethyl Benzene
Concen: 53.455 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 419776
Ion Ratio Lower Upper
91 100
106 30.2 23.9 35.9

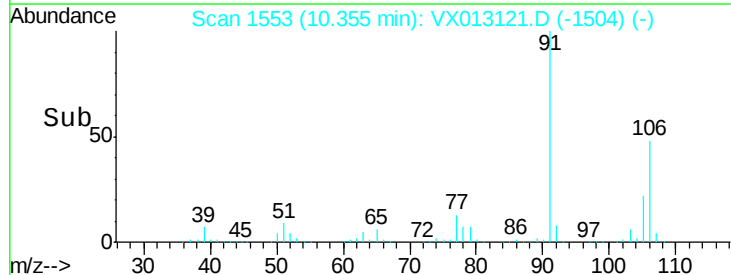
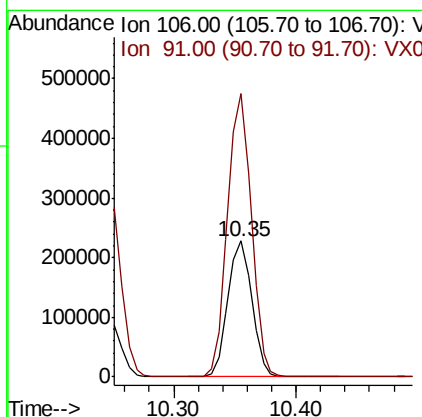
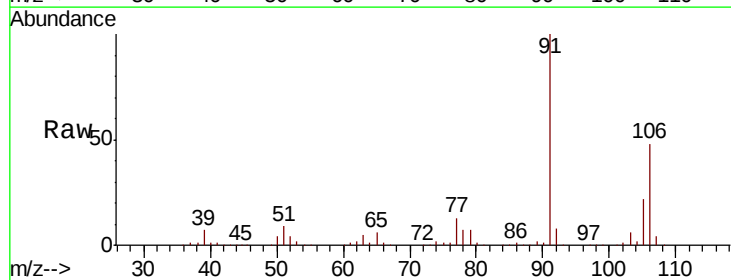
Manual Integrations
APPROVED

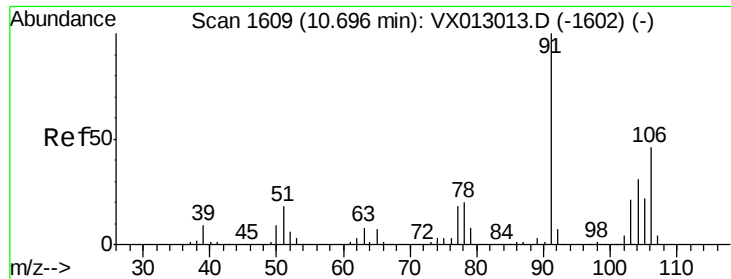
MMDadoda
10/18/2019 10:05:19 AM



#68
m/p-Xylenes
Concen: 105.974 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Tgt Ion: 106 Resp: 310893
Ion Ratio Lower Upper
106 100
91 206.7 165.3 247.9





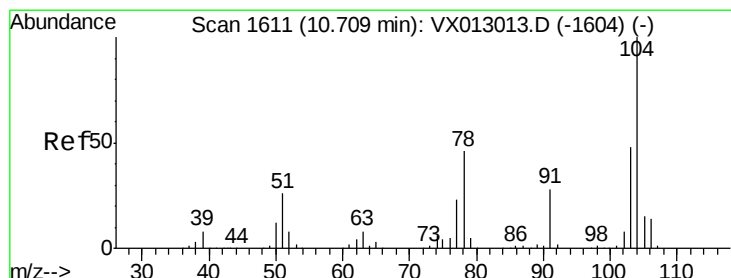
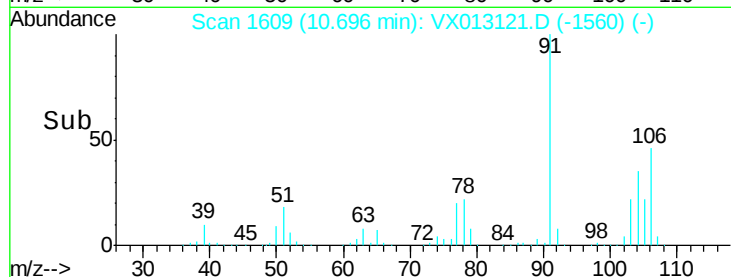
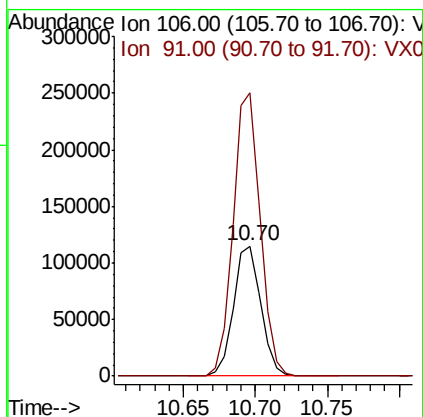
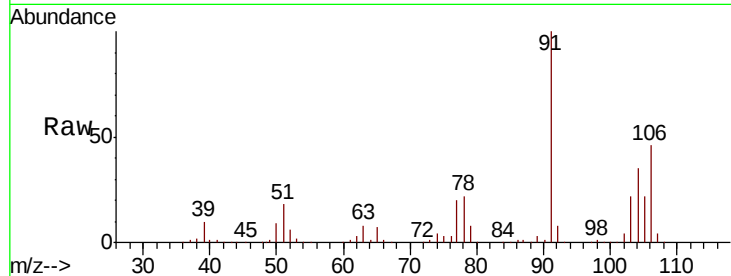
#69
o-Xylene
Concen: 53.346 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 152616
Ion Ratio Lower Upper
106 100
91 216.7 109.1 327.3

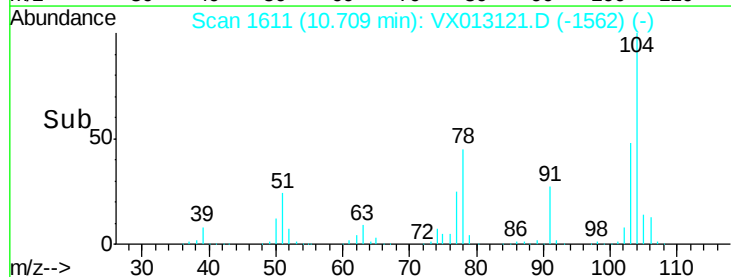
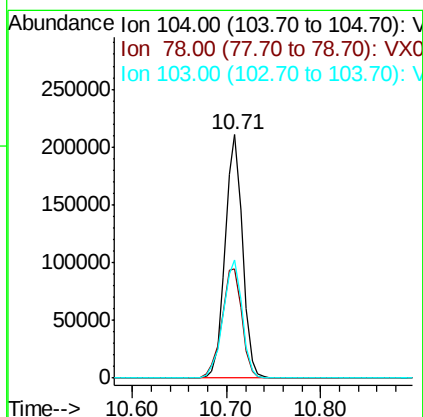
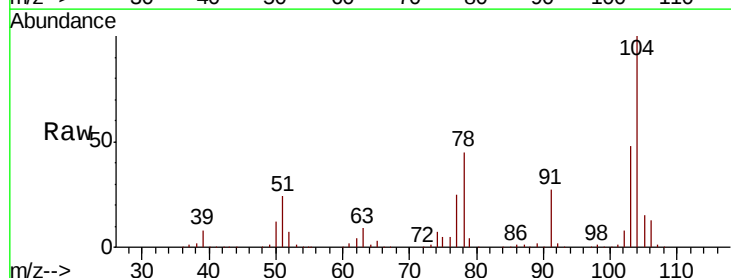
Manual Integrations
APPROVED

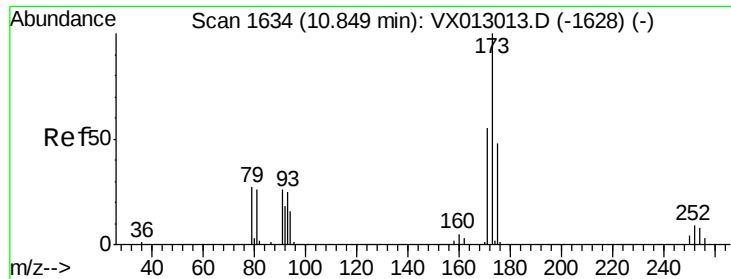
MMDadoda
10/18/2019 10:05:19 AM



#70
Styrene
Concen: 55.444 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Tgt Ion:104 Resp: 269650
Ion Ratio Lower Upper
104 100
78 51.8 41.2 61.8
103 52.8 43.0 64.4





#71

Bromoform

Concen: 50.101 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 65431

Ion Ratio Lower Upper

173 100

175 49.9 24.1 72.3

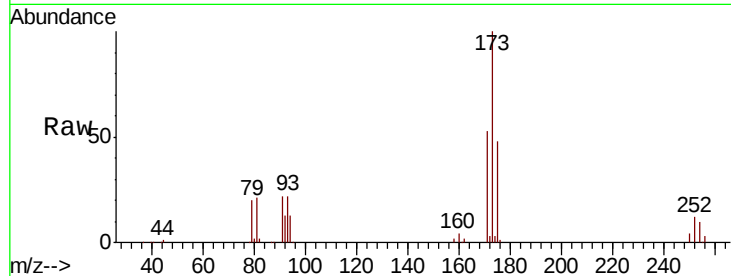
254 0.1 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

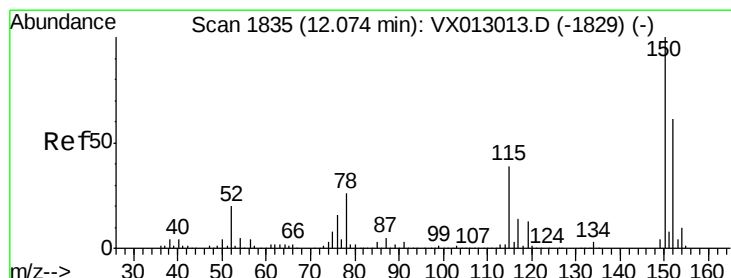
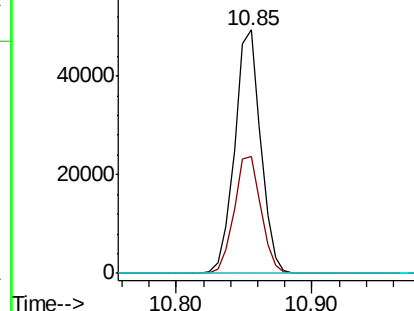
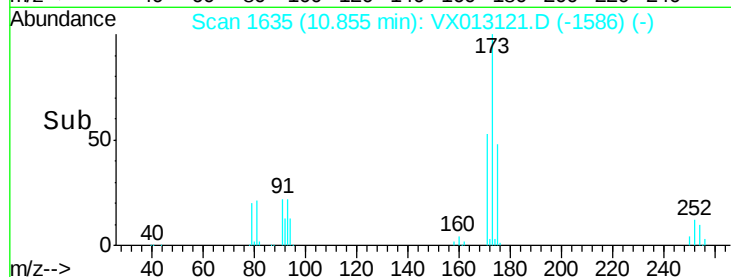
10/18/2019 10:05:19 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

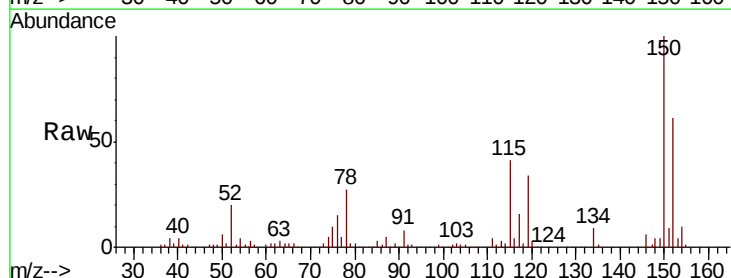
Tgt Ion:152 Resp: 111073

Ion Ratio Lower Upper

152 100

115 84.6 44.5 133.5

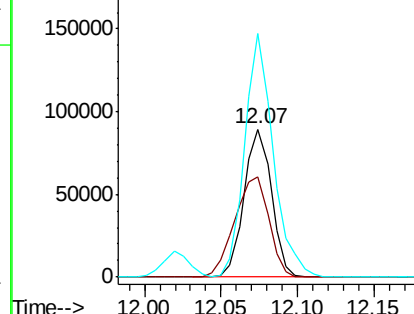
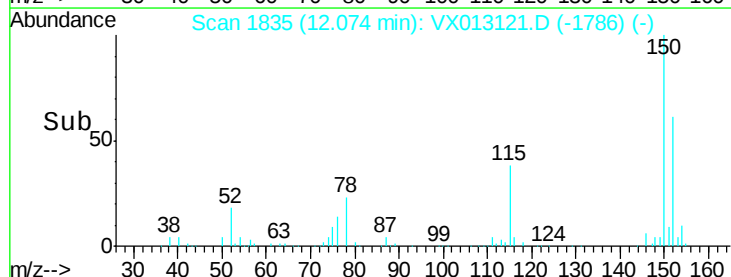
150 171.4 0.0 353.4

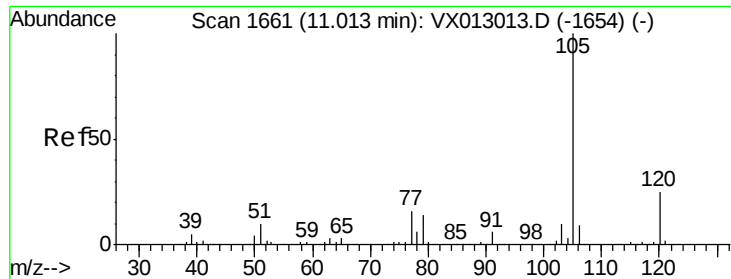


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.642 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 405390

Ion Ratio Lower Upper

105 100

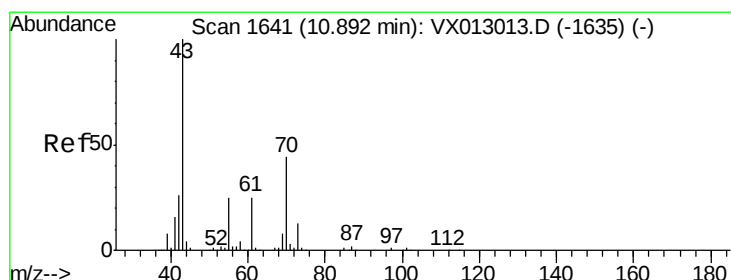
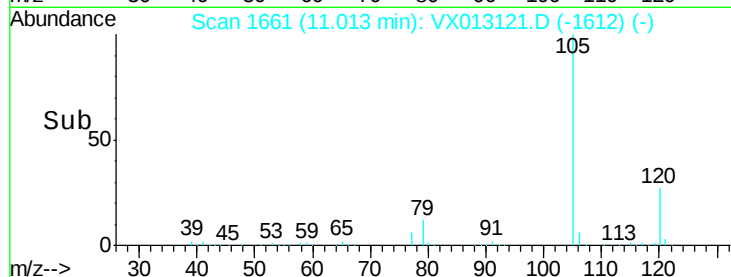
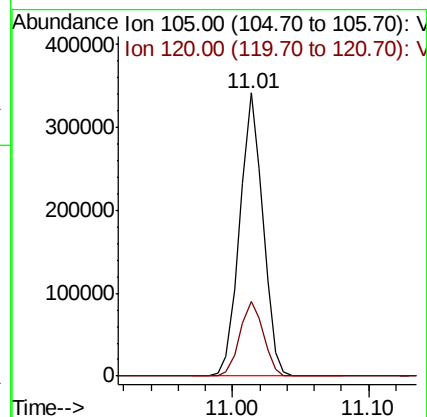
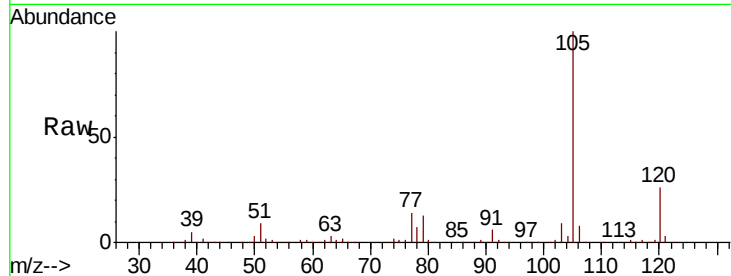
120 26.9 13.0 39.0

Manual Integrations

APPROVED

MMDadoda

10/18/2019 10:05:19 AM



#74

N-ethyl acetate

Concen: 48.840 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

Tgt Ion: 43 Resp: 171773

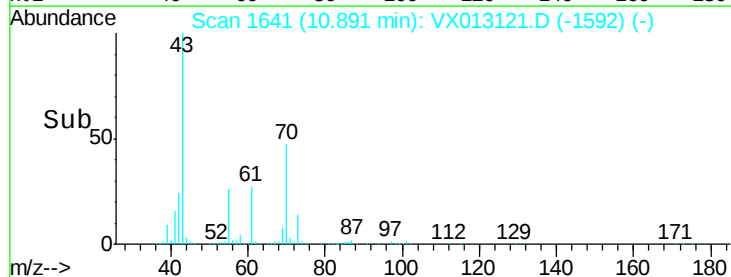
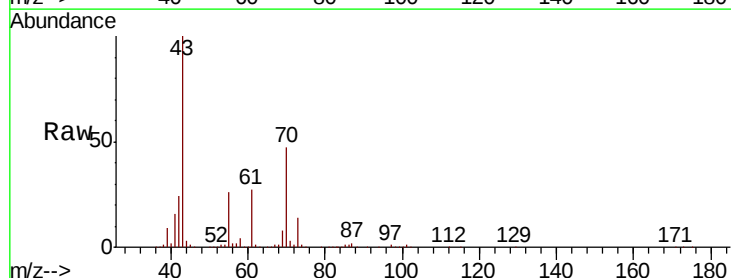
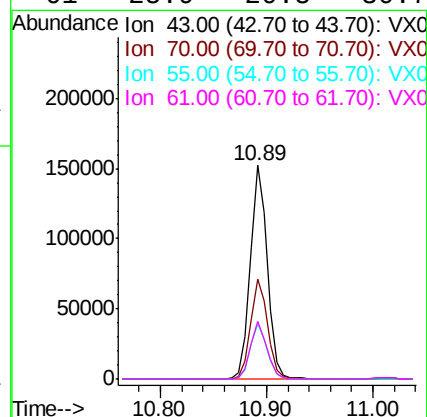
Ion Ratio Lower Upper

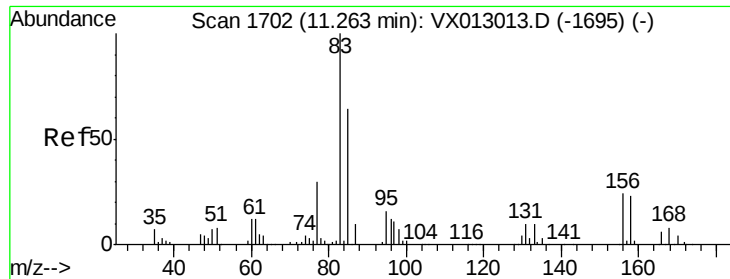
43 100

70 46.7 36.4 54.6

55 25.5 20.2 30.2

61 25.9 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 50.867 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

Instrument :

MSVOA_X

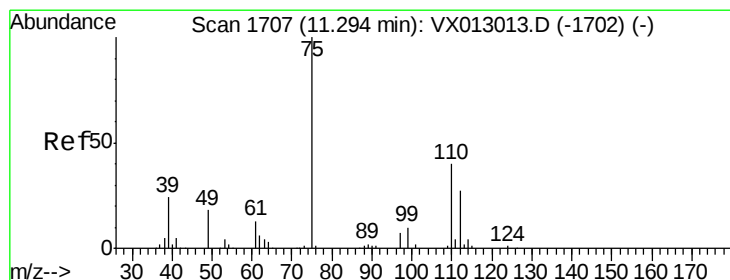
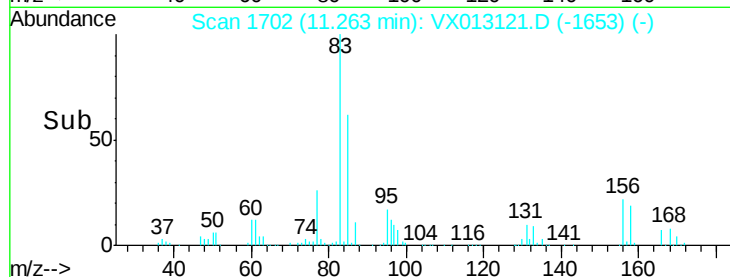
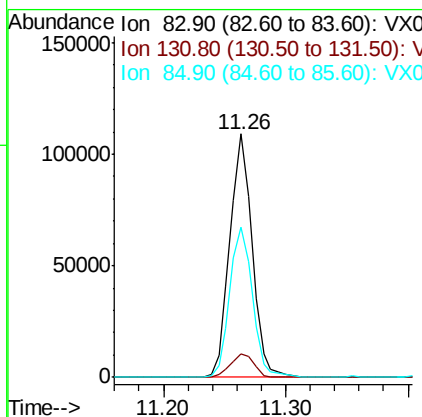
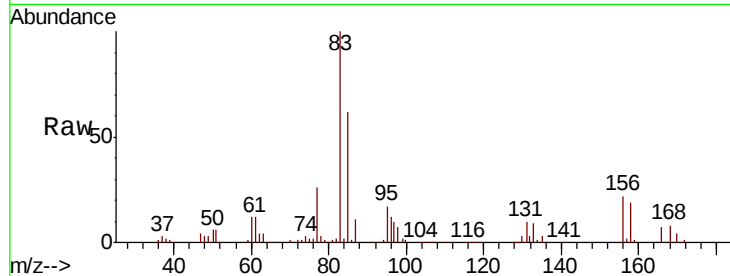
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	138162
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.3
85	62.9	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
10/18/2019 10:05:19 AM



#76

1,2,3-Trichloropropane

Concen: 46.463 ug/l m

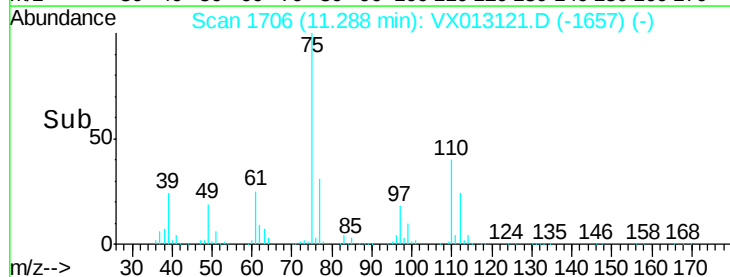
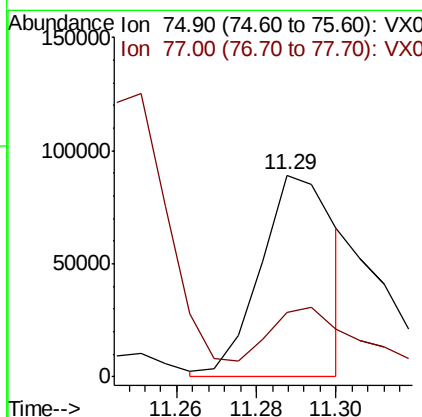
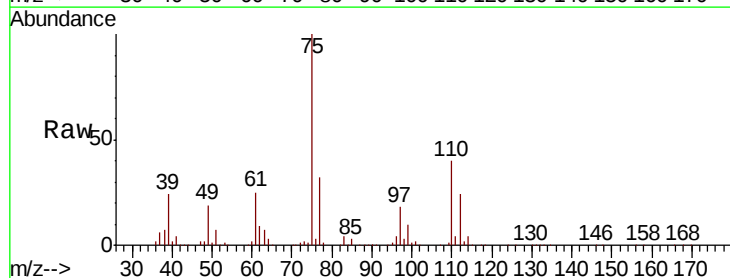
RT: 11.29 min Scan# 1706

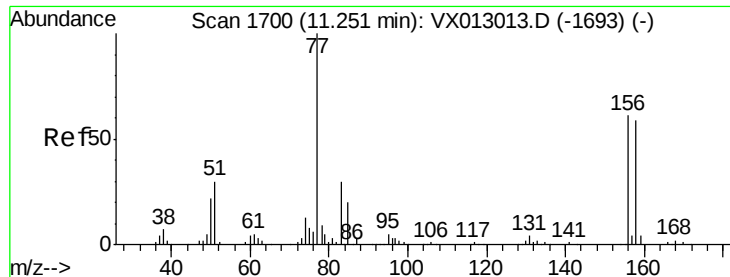
Delta R.T. 0.00 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

Tgt Ion:	75	Resp:	114466
Ion Ratio	Lower	Upper	
75	100		
77	43.7	22.9	68.8





#77

Bromobenzene

Concen: 50.872 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 97896

Ion Ratio Lower Upper

156 100

77 168.4 83.7 251.0

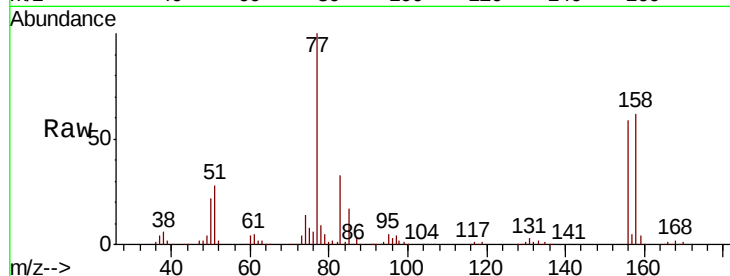
158 95.5 48.6 145.9

Manual Integrations

APPROVED

MMDadoda

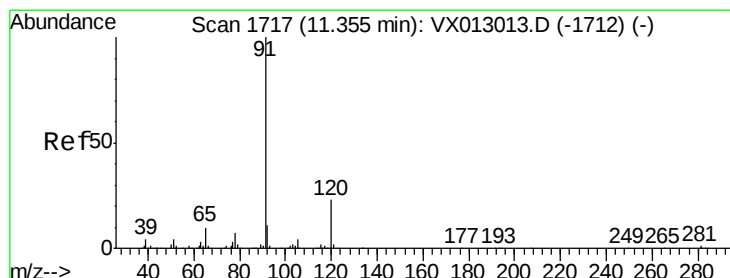
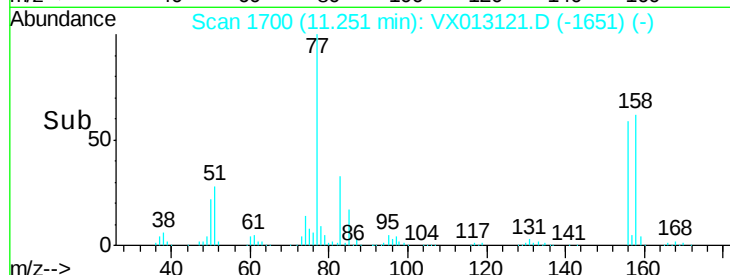
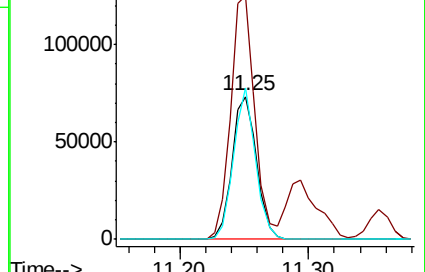
10/18/2019 10:05:19 AM



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: 48.926 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013121.D

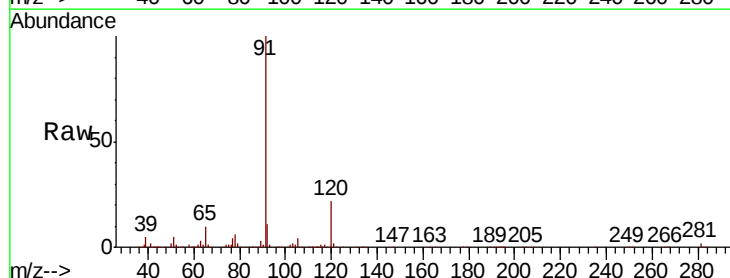
Acq: 17 Oct 2019 20:37

Tgt Ion: 91 Resp: 439651

Ion Ratio Lower Upper

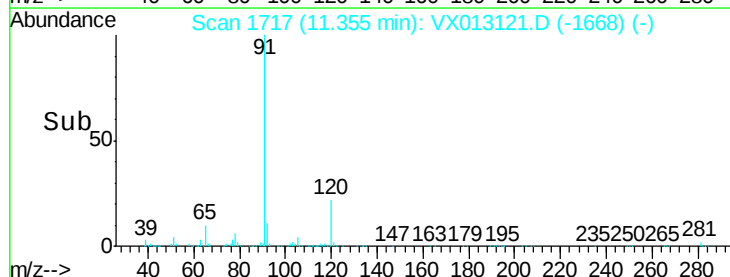
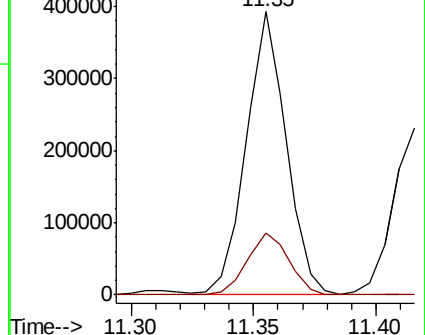
91 100

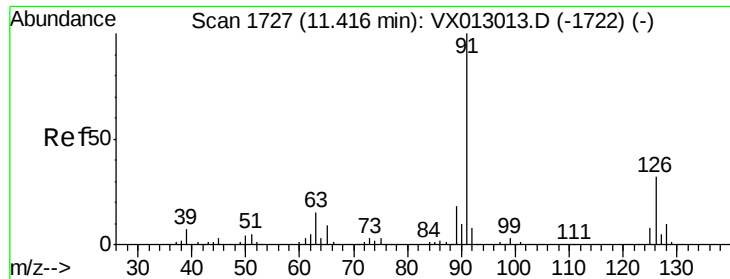
120 23.2 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





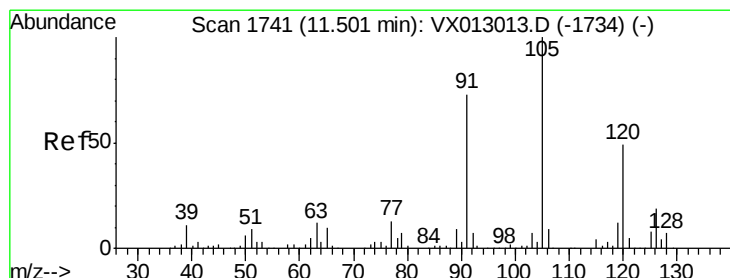
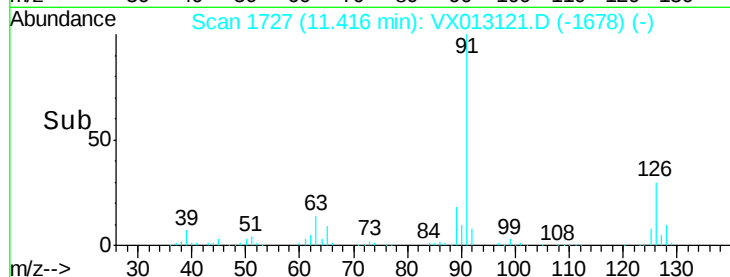
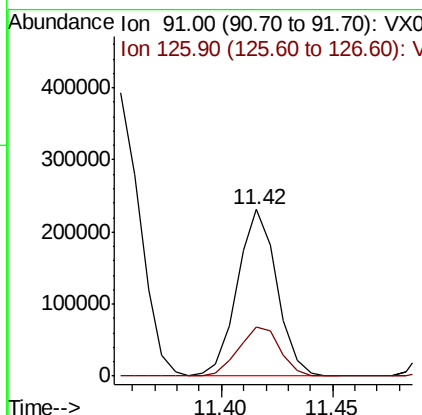
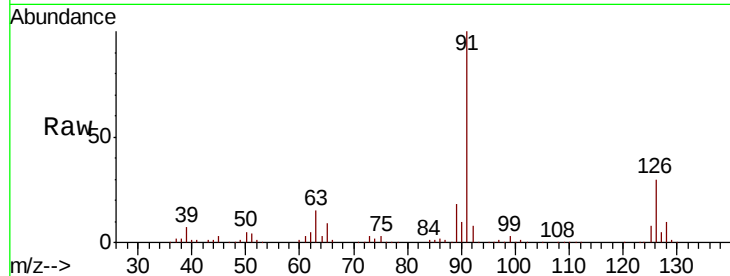
#79
 2-Chlorotoluene
 Concen: 50.336 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX013121.D
 Acq: 17 Oct 2019 20:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 284265
 Ion Ratio Lower Upper
 91 100
 126 31.6 16.3 48.8

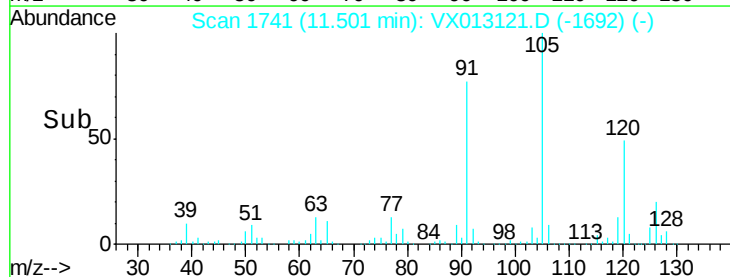
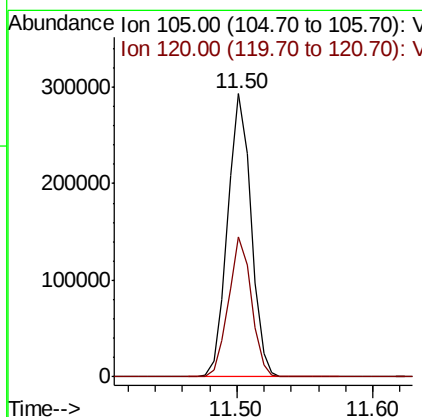
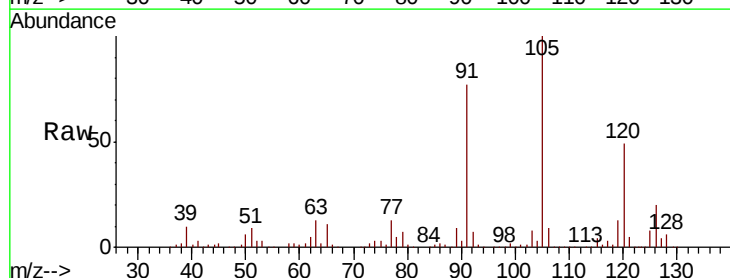
Manual Integrations
 APPROVED

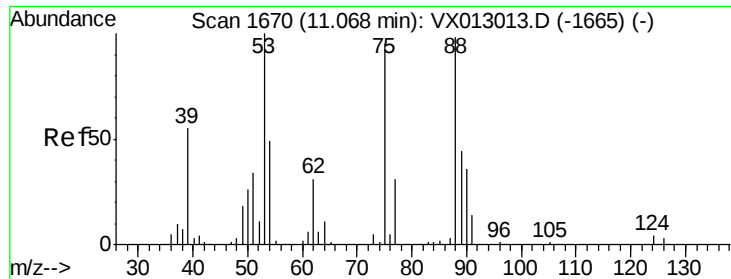
MMDadoda
 10/18/2019 10:05:19 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 51.451 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX013121.D
 Acq: 17 Oct 2019 20:37

Tgt Ion: 105 Resp: 350838
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.8 74.3





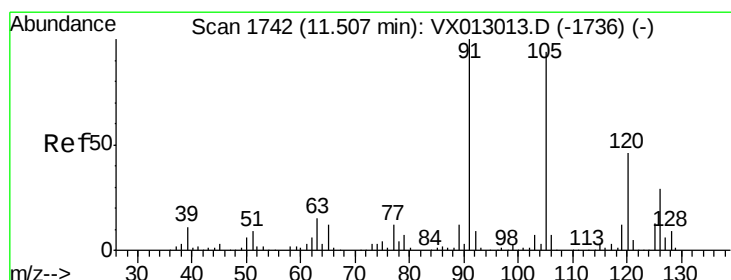
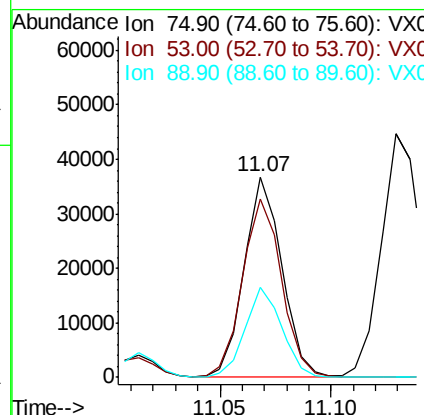
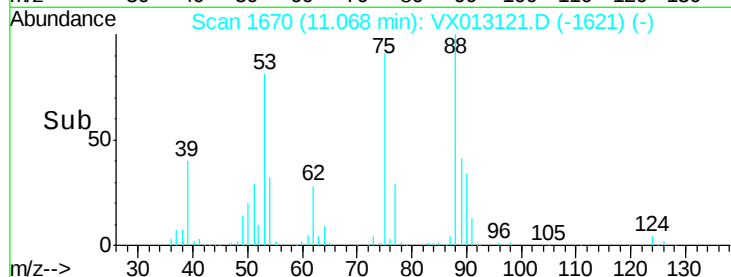
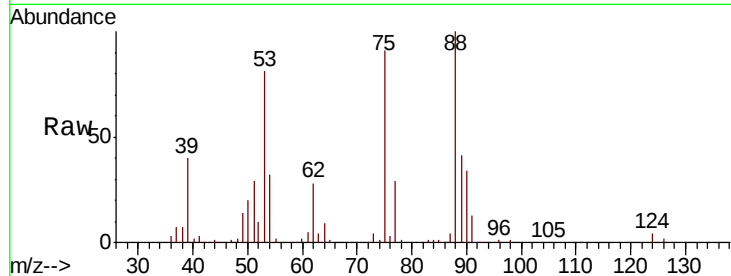
#81
trans-1,4-Dichloro-2-butene
Concen: 46.056 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.7	78.5	117.7
89	43.8	37.4	56.2

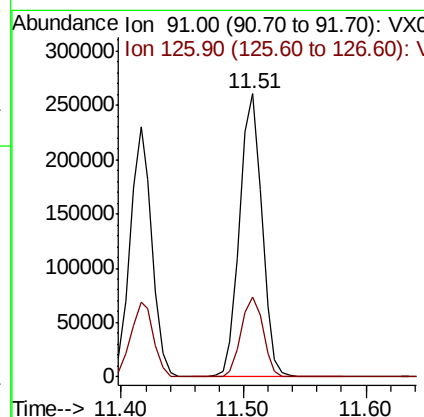
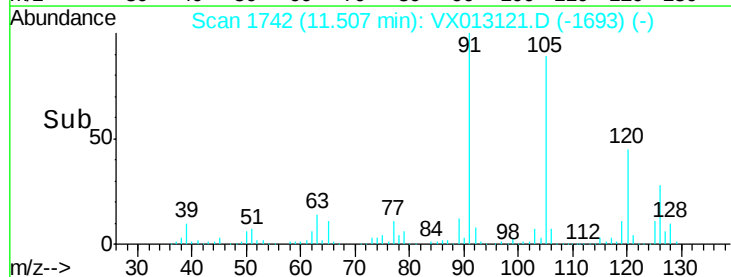
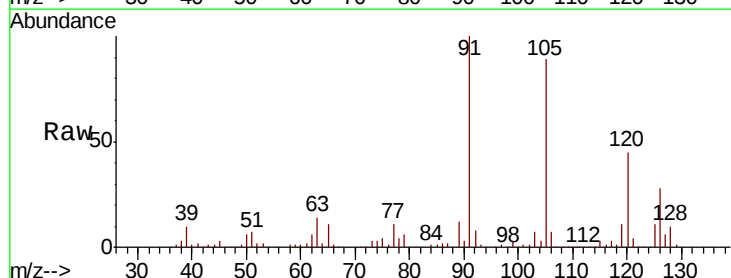
Manual Integrations
APPROVED

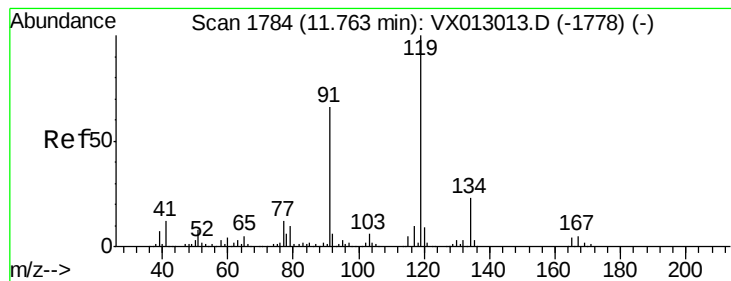
MMDadoda
10/18/2019 10:05:19 AM



#82
4-Chlorotoluene
Concen: 50.465 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.2	42.6





#83

tert-Butylbenzene

Concen: 50.123 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

Instrument :

MSVOA_X

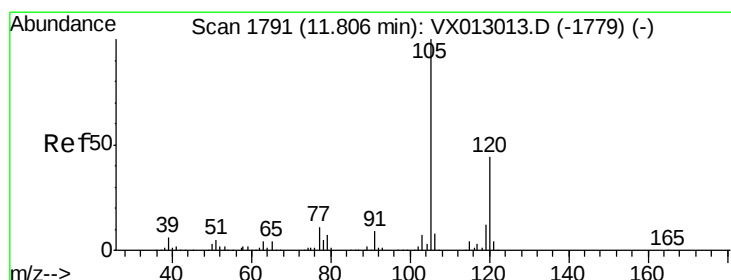
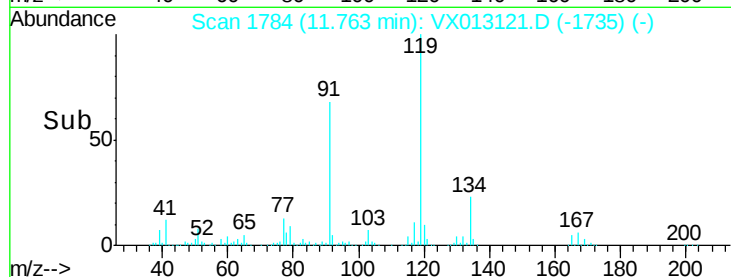
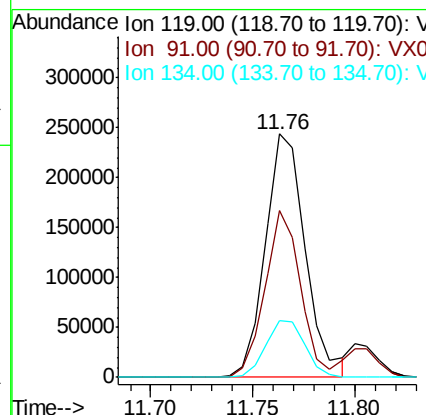
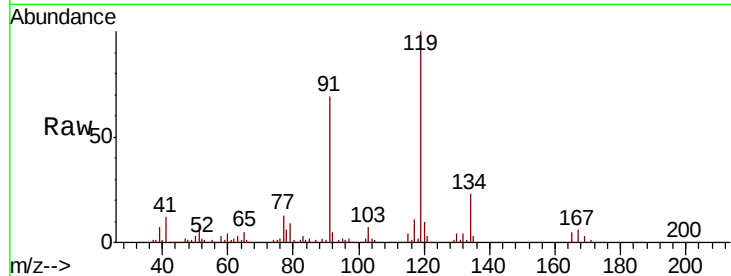
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		333406		
91	60.9	29.3	87.9		
134	23.1	11.5	34.4		

Manual Integrations
APPROVED

MMDadoda
10/18/2019 10:05:19 AM



#84

1,2,4-Trimethylbenzene

Concen: 50.920 ug/l

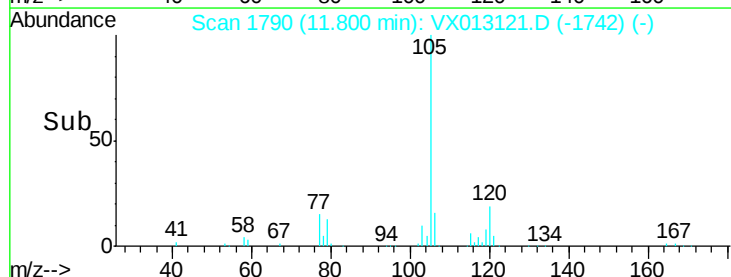
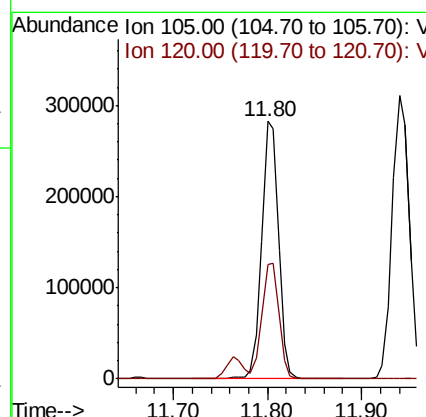
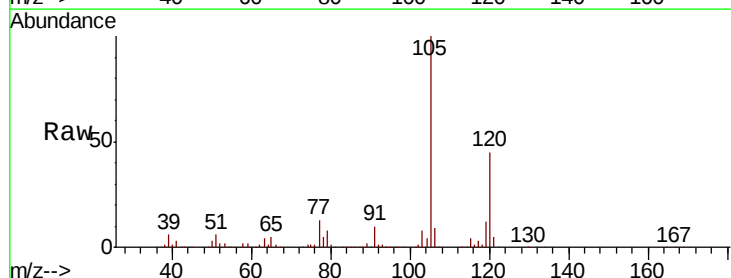
RT: 11.80 min Scan# 1790

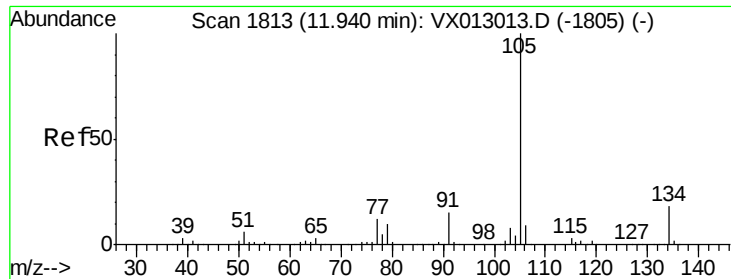
Delta R.T. -0.01 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		351653		
120	45.3	21.8	65.3		





#85

sec-Butylbenzene

Concen: 51.200 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 394561

Ion Ratio Lower Upper

105 100

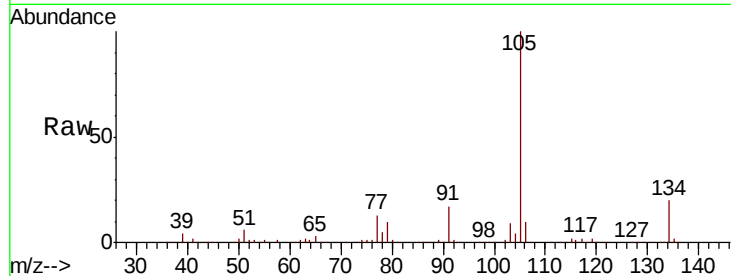
134 19.8 10.0 30.0

Manual Integrations

APPROVED

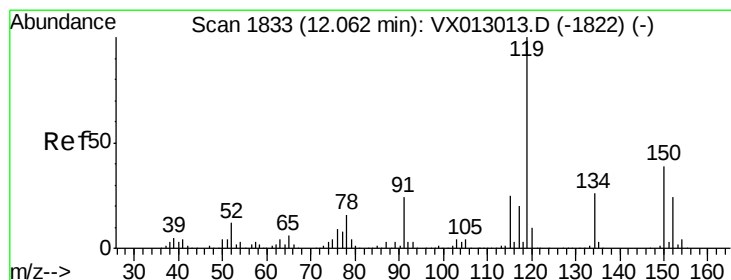
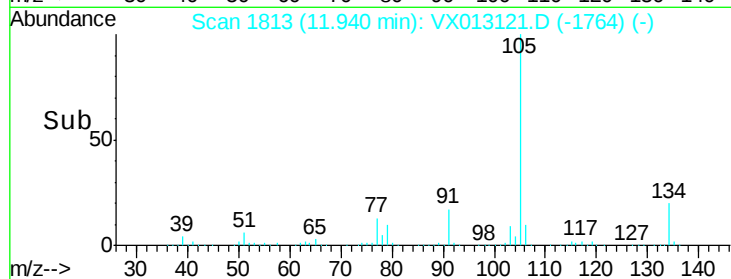
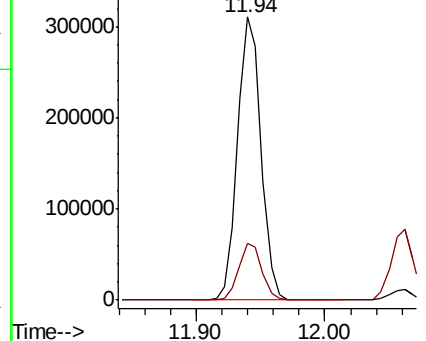
MMDadoda

10/18/2019 10:05:19 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.942 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013121.D

Acq: 17 Oct 2019 20:37

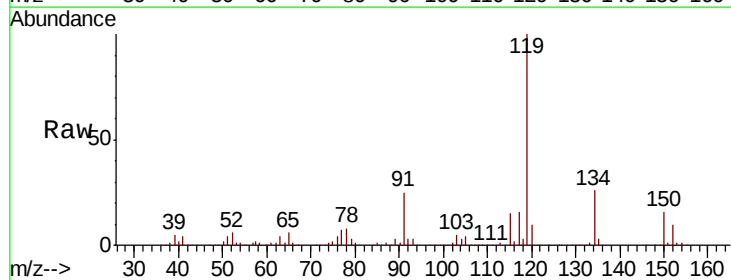
Tgt Ion:119 Resp: 364091

Ion Ratio Lower Upper

119 100

134 25.5 12.6 37.8

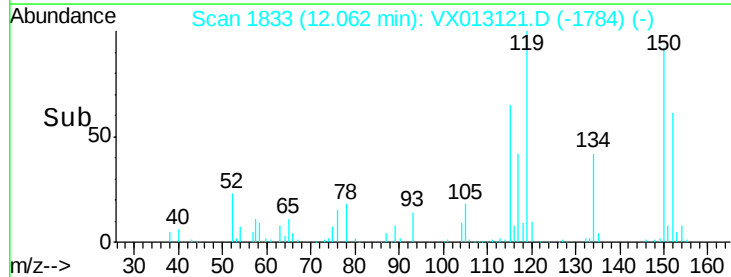
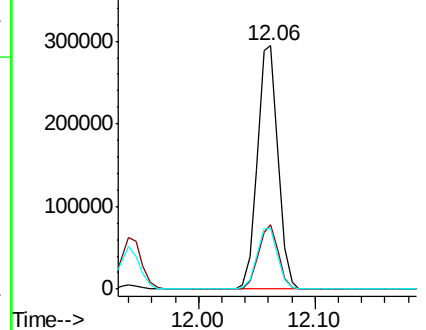
91 25.2 12.4 37.4

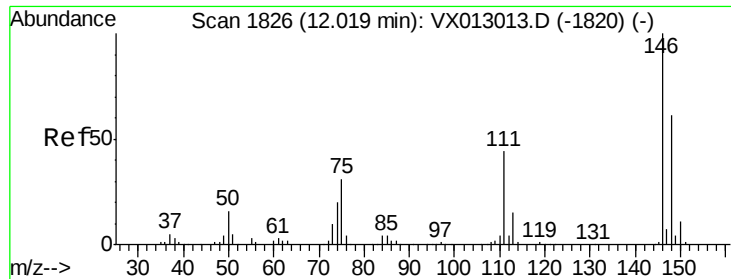


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





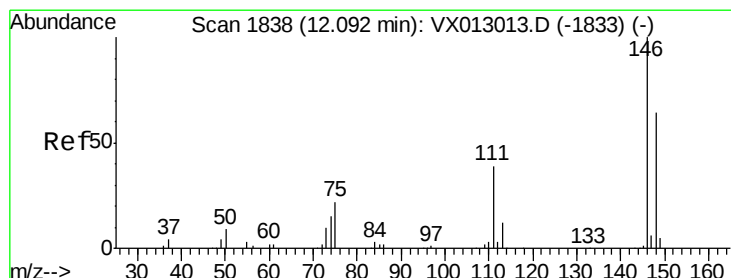
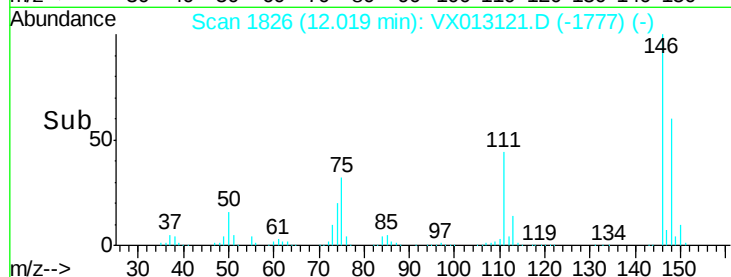
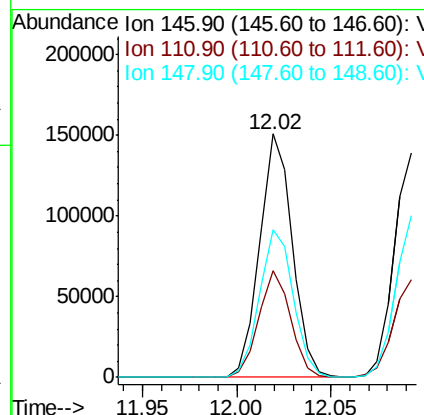
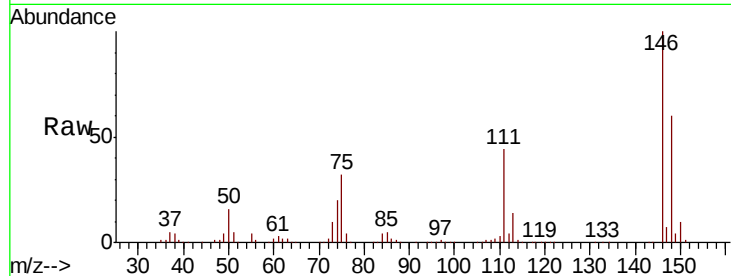
#87
 1,3-Dichlorobenzene
 Concen: 50.702 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013121.D
 Acq: 17 Oct 2019 20:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.1	63.4
148	62.7	31.6	95.0

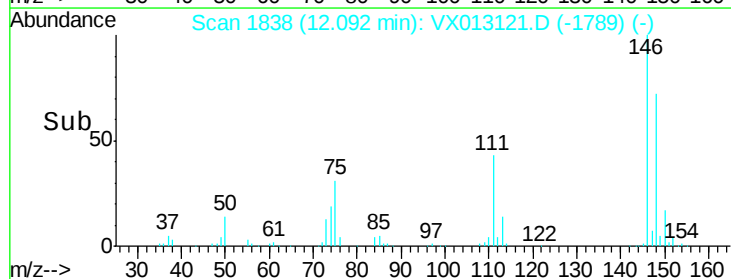
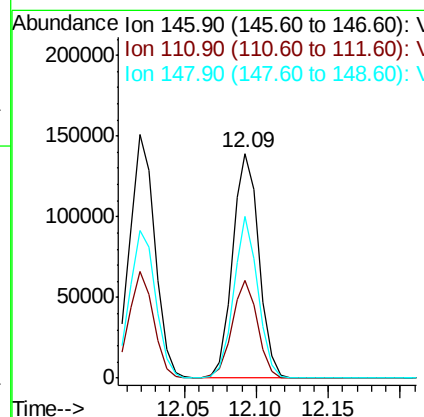
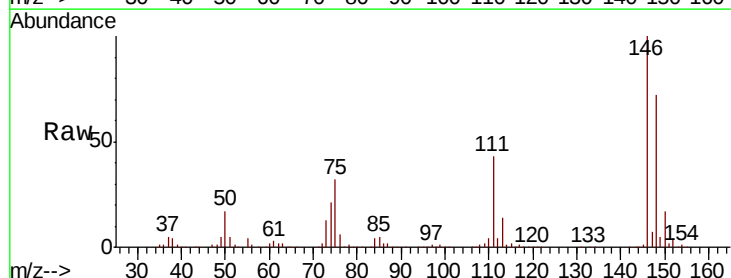
Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 10:05:19 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.428 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013121.D
 Acq: 17 Oct 2019 20:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.4	64.3
148	65.9	32.1	96.5





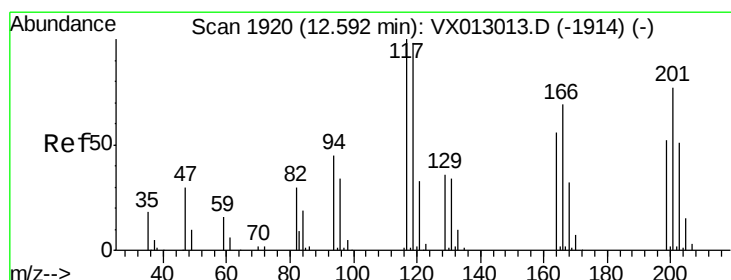
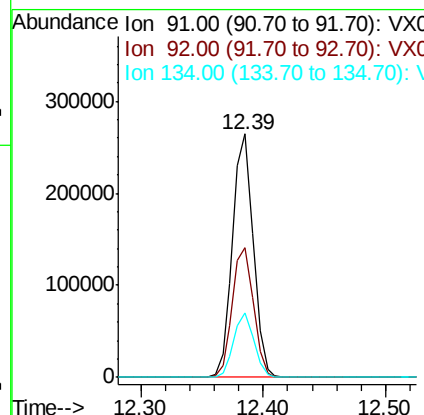
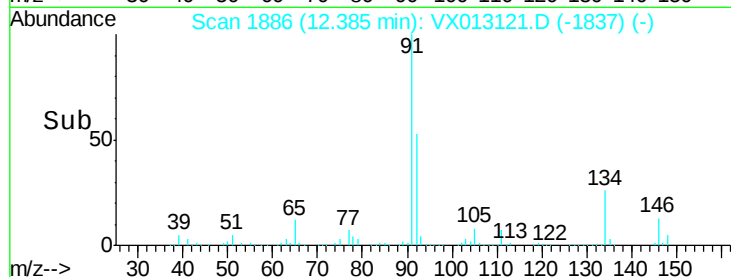
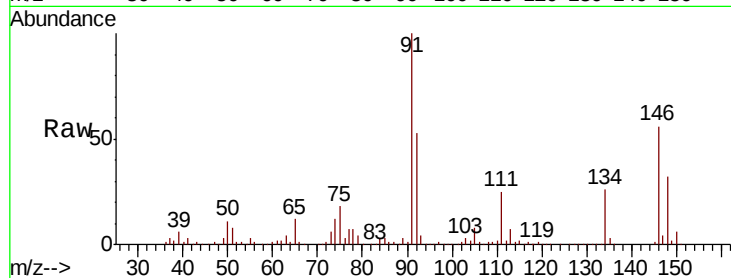
#89
n-Butylbenzene
Concen: 51.466 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.5	82.5
134	26.0	12.9	38.7

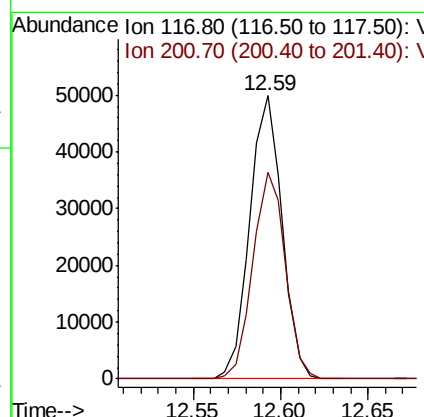
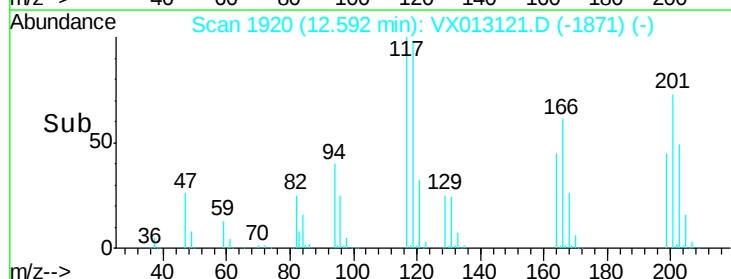
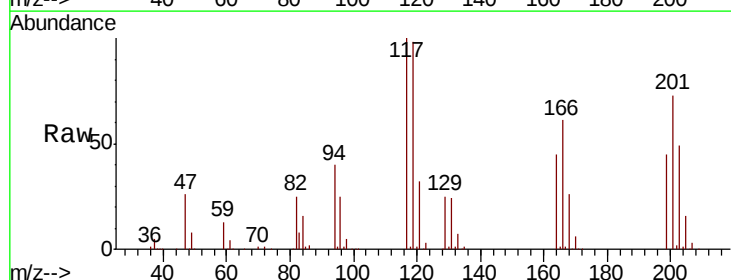
Manual Integrations
APPROVED

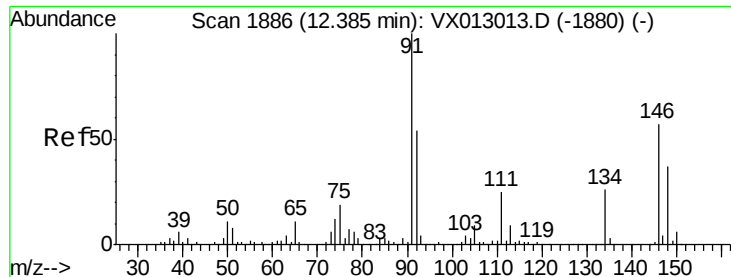
MMDadoda
10/18/2019 10:05:19 AM



#90
Hexachloroethane
Concen: 48.460 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.5	36.9	110.7





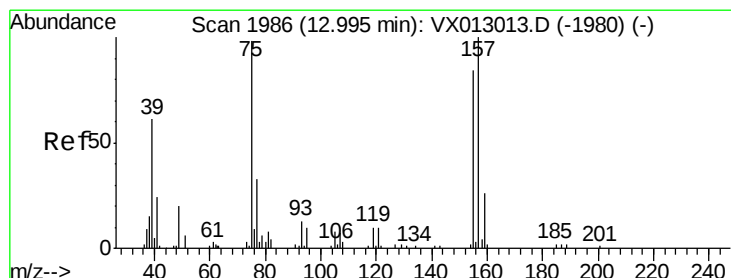
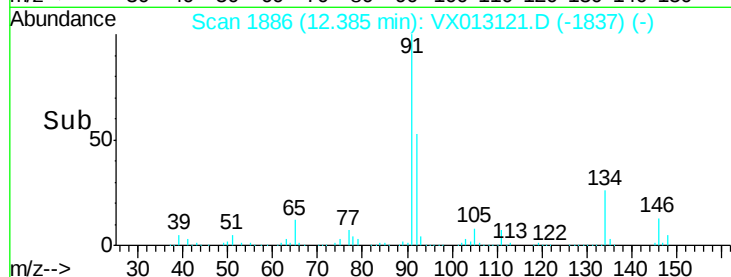
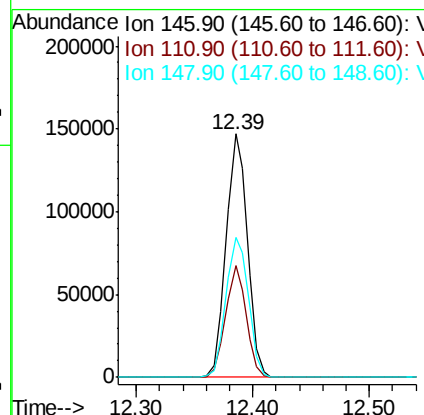
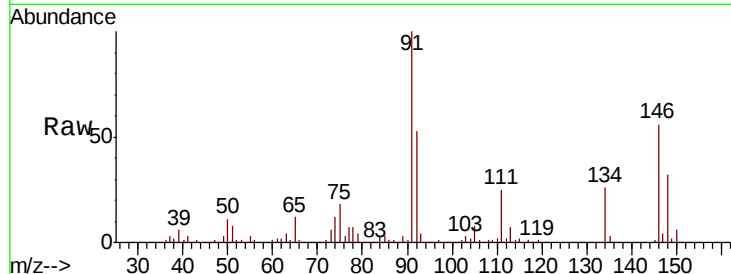
#91
 1,2-Dichlorobenzene
 Concen: 52.905 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013121.D
 Acq: 17 Oct 2019 20:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.7	68.0
148	60.3	31.6	94.7

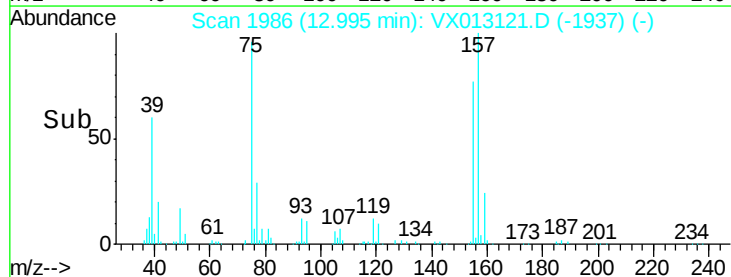
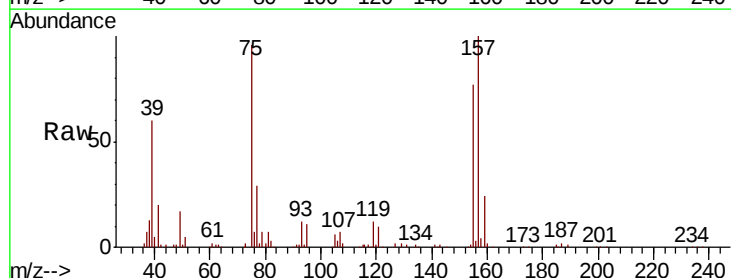
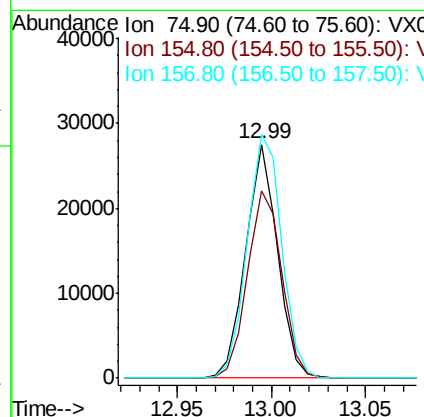
Manual Integrations
 APPROVED

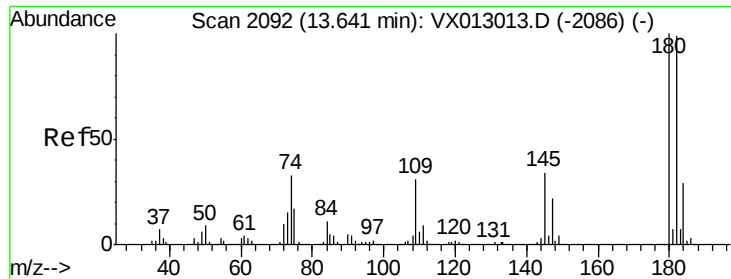
MMDadoda
 10/18/2019 10:05:19 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.755 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013121.D
 Acq: 17 Oct 2019 20:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.1	43.0	128.8
157	113.2	54.1	162.3





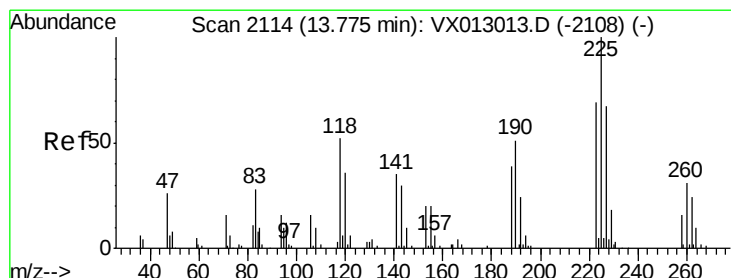
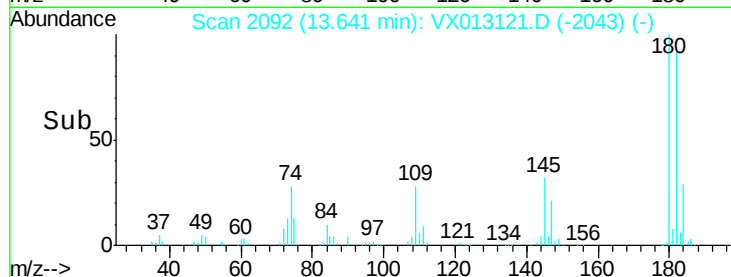
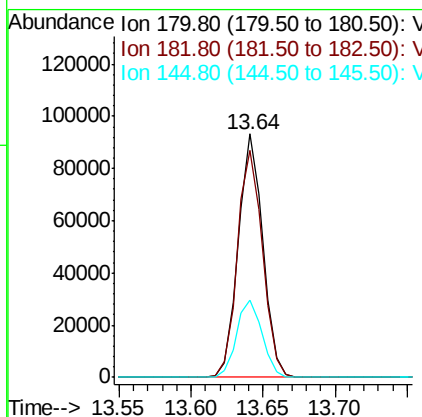
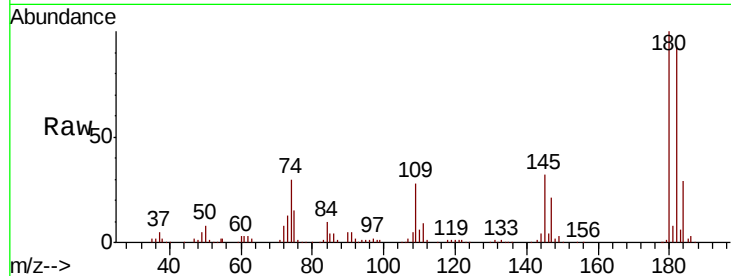
#93
 1,2,4-Trichlorobenzene
 Concen: 50.385 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013121.D
 Acq: 17 Oct 2019 20:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	110575		
182	95.8	46.8	140.4	
145	33.2	16.2	48.6	

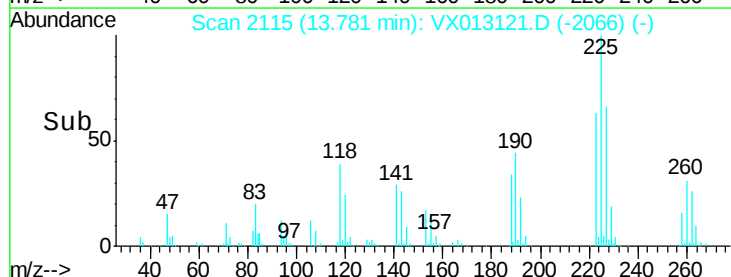
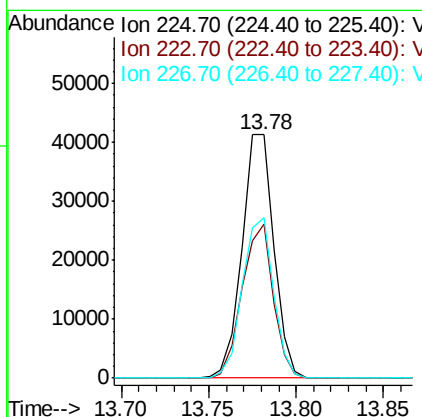
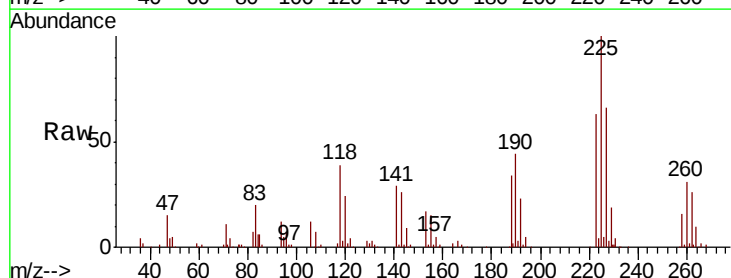
Manual Integrations
 APPROVED

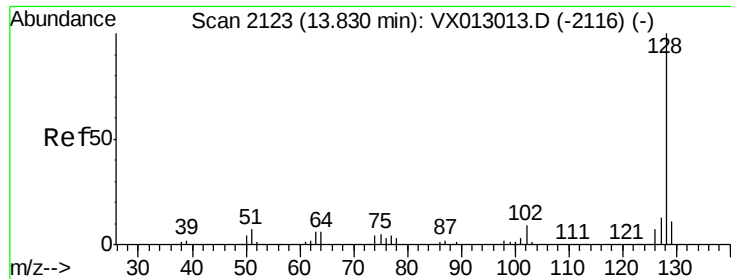
MMDadoda
 10/18/2019 10:05:19 AM



#94
 Hexachlorobutadiene
 Concen: 51.864 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX013121.D
 Acq: 17 Oct 2019 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52529		
223	61.5	31.1	93.2	
227	64.5	32.3	96.9	





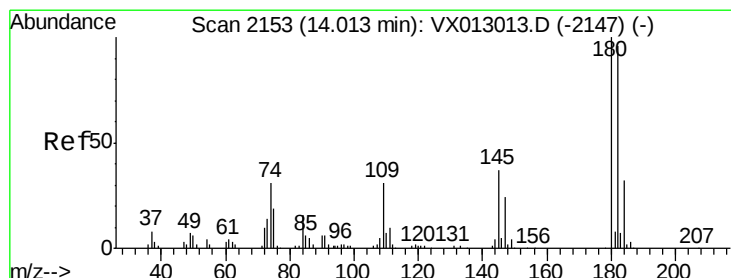
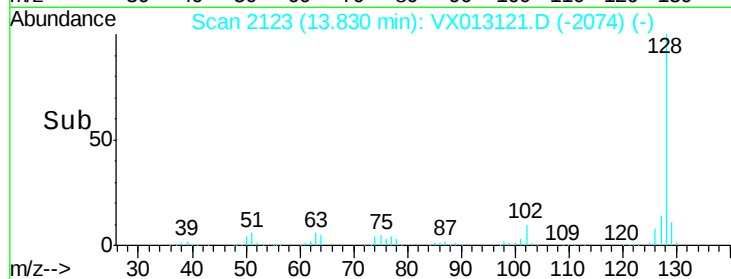
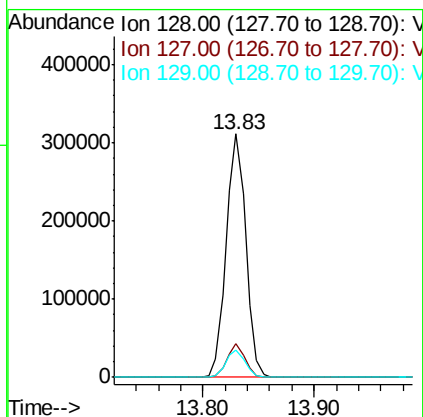
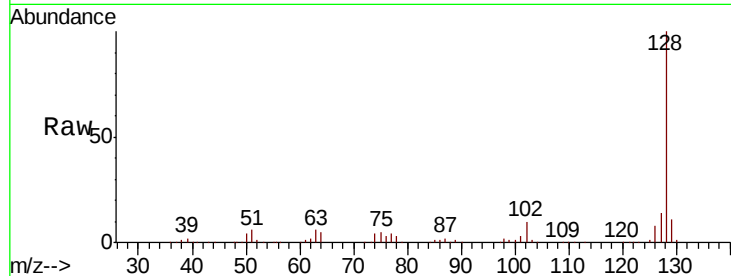
#95
Naphthalene
Concen: 49.851 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/18/2019 10:05:19 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.277 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX013121.D
Acq: 17 Oct 2019 20:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	47.5	142.5
145	33.7	17.4	52.3

