

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111919\
 Data File : VX013454.D
 Acq On : 19 Nov 2019 09:55
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Quant Time: Nov 19 16:18:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	673183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1014113	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	911093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	463409	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	358814	44.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.98%	
35) Dibromofluoromethane	5.48	113	297665	46.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.60%	
50) Toluene-d8	8.71	98	1136662	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
62) 4-Bromofluorobenzene	11.13	95	415006	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	

MMDadoda

11/20/2019 9:16:05 AM

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	362176	46.694	ug/l	99
3) Chloromethane	1.31	50	387554	46.075	ug/l	99
4) Vinyl Chloride	1.40	62	462968	48.347	ug/l	99
5) Bromomethane	1.63	94	290890	43.591	ug/l	99
6) Chloroethane	1.71	64	257177	46.908	ug/l	100
7) Trichlorofluoromethane	1.92	101	516616	45.663	ug/l	100
8) Diethyl Ether	2.18	74	235095	46.991	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	328812	52.145	ug/l	98
10) Methyl Iodide	2.50	142	358051	45.863	ug/l	98
11) Tert butyl alcohol	3.03	59	435045	206.964	ug/l	99
12) 1,1-Dichloroethene	2.36	96	309452	50.114	ug/l	97
13) Acrolein	2.28	56	275702	242.004	ug/l	99
14) Allyl chloride	2.72	41	592735	52.830	ug/l	96
15) Acrylonitrile	3.12	53	1009409	257.075	ug/l	99
16) Acetone	2.43	43	959431	241.188	ug/l	99
17) Carbon Disulfide	2.56	76	788320	47.697	ug/l	100
18) Methyl Acetate	2.76	43	581098	52.913	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	1096994	53.264	ug/l	96
20) Methylene Chloride	2.84	84	355203	48.329	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	332790	49.497	ug/l	97
22) Diisopropyl ether	3.84	45	1181857	54.562	ug/l	97
23) Vinyl Acetate	3.80	43	4900252	264.375	ug/l	100
24) 1,1-Dichloroethane	3.68	63	631519	52.117	ug/l	98
25) 2-Butanone	4.65	43	1483810	254.265	ug/l	97
26) 2,2-Dichloropropane	4.56	77	536815	55.688	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	395945	52.571	ug/l	100
28) Bromochloromethane	5.00	49	177046	51.459	ug/l	99
29) Tetrahydrofuran	5.11	42	899475	250.119	ug/l	100
30) Chloroform	5.19	83	625262	52.257	ug/l	97
31) Cyclohexane	5.56	56	550112	50.453	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	524565	50.943	ug/l	100
36) 1,1-Dichloropropene	5.79	75	461998	53.104	ug/l	100
37) Ethyl Acetate	4.81	43	544566	50.657	ug/l	99
38) Carbon Tetrachloride	5.77	117	453666	53.326	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111919\
 Data File : VX013454.D
 Acq On : 19 Nov 2019 09:55
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Quant Time: Nov 19 16:18:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	571982	52.765	ug/l	98
40) Benzene	6.13	78	1413861	52.172	ug/l	99
41) Methacrylonitrile	5.03	41	312102	51.797	ug/l	98
42) 1,2-Dichloroethane	6.17	62	495048	50.644	ug/l	98
43) Isopropyl Acetate	6.43	43	897250	53.600	ug/l	99
44) Trichloroethene	7.20	130	378897	50.793	ug/l	98
45) 1,2-Dichloropropane	7.50	63	372176	53.901	ug/l	100
46) Dibromomethane	7.65	93	238490	50.587	ug/l	98
47) Bromodichloromethane	7.89	83	492362	55.383	ug/l	95
48) Methyl methacrylate	7.76	41	446346	53.415	ug/l	98
49) 1,4-Dioxane	7.73	88	172456	901.192	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	2821223	256.878	ug/l	99
52) Toluene	8.78	92	887665	52.849	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	556494	57.245	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	604831	55.620	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	368284	52.900	ug/l	99
56) Ethyl methacrylate	9.17	69	602576	50.677	ug/l	99
57) 1,3-Dichloropropane	9.36	76	618833	52.364	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	1296638	272.393	ug/l	100
59) 2-Hexanone	9.48	43	2199336	259.135	ug/l	99
60) Dibromochloromethane	9.57	129	400410	56.237	ug/l	99
61) 1,2-Dibromoethane	9.67	107	385749	52.180	ug/l	99
64) Tetrachloroethene	9.33	164	329775	50.562	ug/l	99
65) Chlorobenzene	10.13	112	966208	52.382	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	368763	54.448	ug/l	99
67) Ethyl Benzene	10.25	91	1708335	53.662	ug/l	100
68) m/p-Xylenes	10.35	106	1295790	107.626	ug/l	99
69) o-Xylene	10.69	106	633306	53.728	ug/l	99
70) Styrene	10.71	104	1096598	55.654	ug/l	98
71) Bromoform	10.85	173	308987	49.255	ug/l	100
73) Isopropylbenzene	11.01	105	1688476	54.955	ug/l	100
74) N-amyl acetate	10.89	43	800192	56.163	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	599742	53.506	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	483359m	51.353	ug/l	
77) Bromobenzene	11.25	156	442597	54.036	ug/l	99
78) n-propylbenzene	11.35	91	1949130	56.950	ug/l	99
79) 2-Chlorotoluene	11.42	91	1141910	55.377	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1434243	56.042	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	208466	57.008	ug/l	96
82) 4-Chlorotoluene	11.51	91	1324743	54.881	ug/l	100
83) tert-Butylbenzene	11.76	119	1462543	56.771	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1443897	56.243	ug/l	100
85) sec-Butylbenzene	11.94	105	1679267	56.716	ug/l	100
86) p-Isopropyltoluene	12.06	119	1566035	57.440	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	786111	53.842	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	786985	52.905	ug/l	99
89) n-Butylbenzene	12.39	91	1375485	57.818	ug/l	99
90) Hexachloroethane	12.59	117	285707	58.816	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	777671	53.286	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	129776	47.523	ug/l	98

MMDadoda

11/20/2019 9:16:05 AM

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111919\
Data File : VX013454.D
Acq On : 19 Nov 2019 09:55
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Quant Time: Nov 19 16:18:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	572728	56.259	ug/l	98
94) Hexachlorobutadiene	13.78	225	272382	54.689	ug/l	99
95) Naphthalene	13.83	128	1713347	53.642	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	553162	54.181	ug/l	100

MMDadoda

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

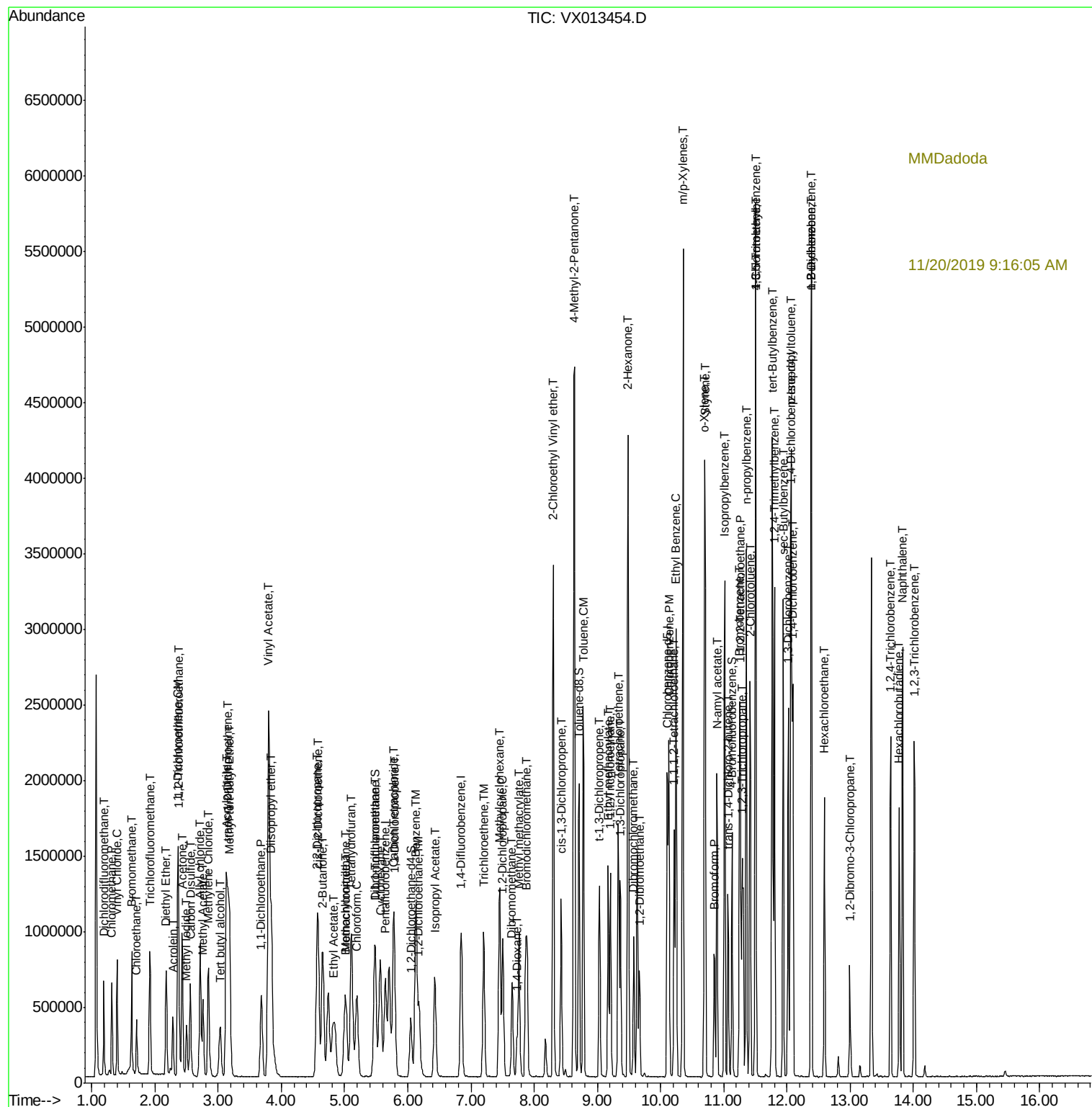
11/20/2019 9:16:05 AM

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111919\
Data File : VX013454.D
Acq On : 19 Nov 2019 09:55
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
Client Sample ID :
VSTDCCC050

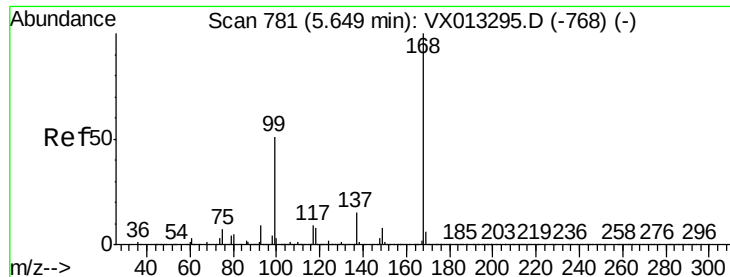
Manual Integrations
APPROVED

Quant Time: Nov 19 16:18:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 2019
Response via : Initial Calibration



MMDadoda

11/20/2019 9:16:05 AM



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

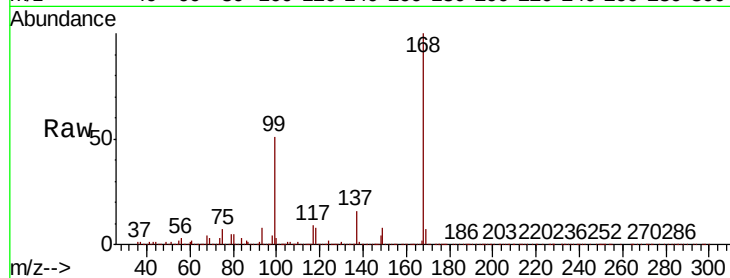
Tot Ion:168 Resp: 673183

Ion Ratio Lower Upper

168 100

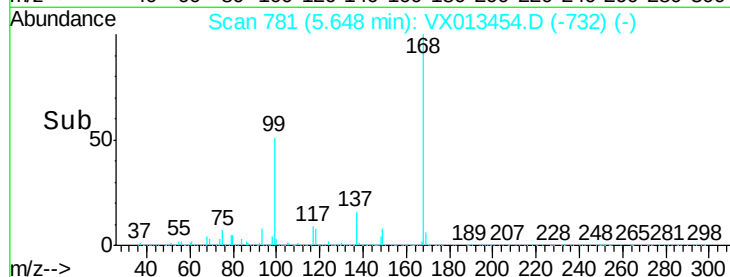
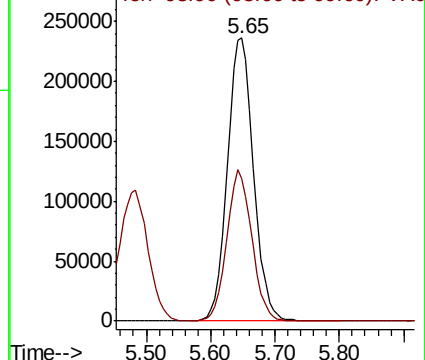
99 50.4 40.8 61.2

Manual Integrations
APPROVED



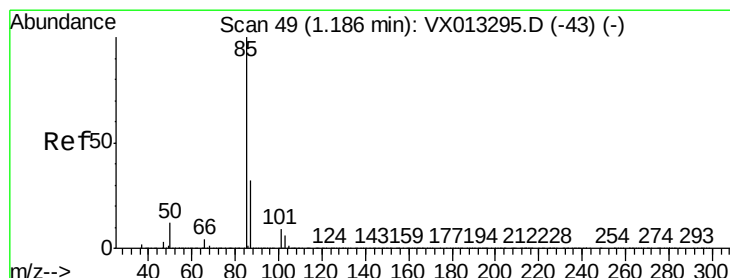
Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



MMDadoda

11/20/2019 9:16:05 AM



#2

Dichlorodifluoromethane

Concen: 46.694 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX013454.D

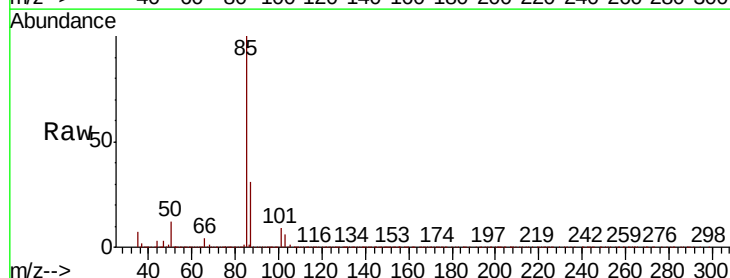
Acq: 19 Nov 2019 09:55

Tgt Ion: 85 Resp: 362176

Ion Ratio Lower Upper

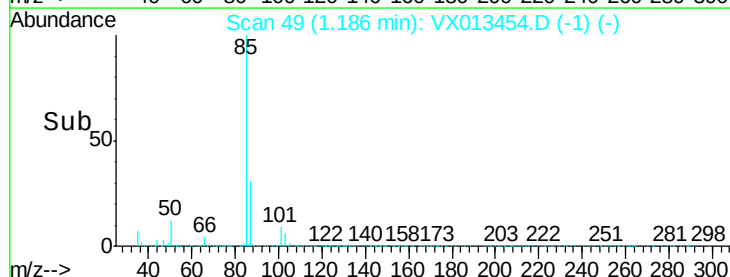
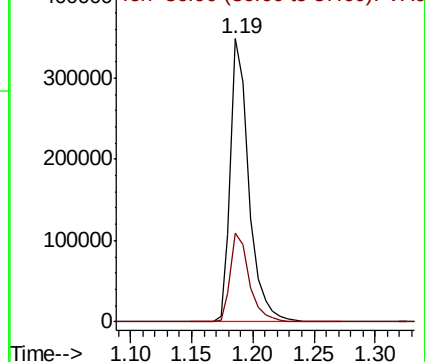
85 100

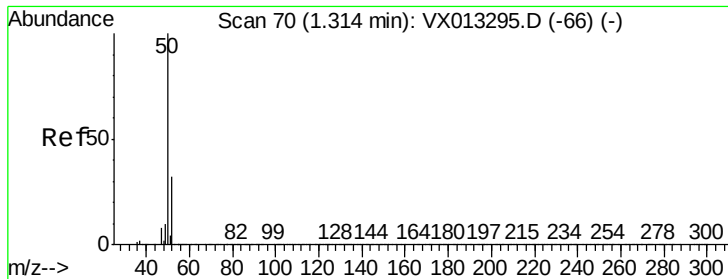
87 31.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 46.075 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

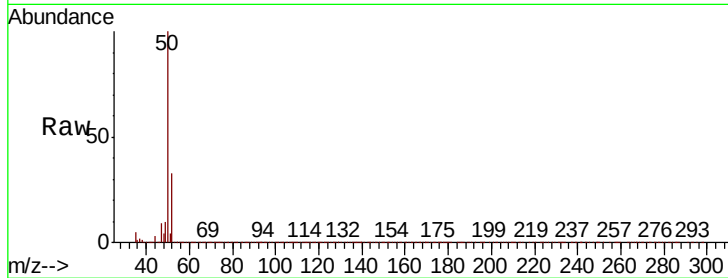
Tot Ion: 50 Resp: 387554

Ion Ratio Lower Upper

50 100

52 32.6 25.5 38.3

Manual Integrations
APPROVED



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

400000

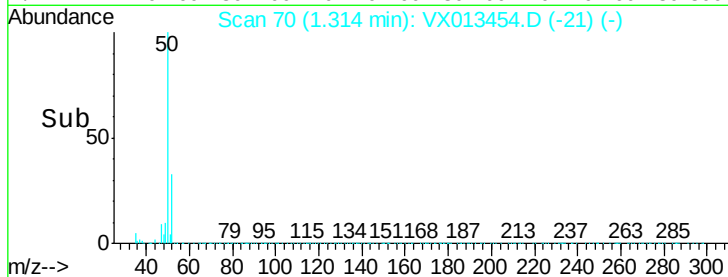
300000

200000

100000

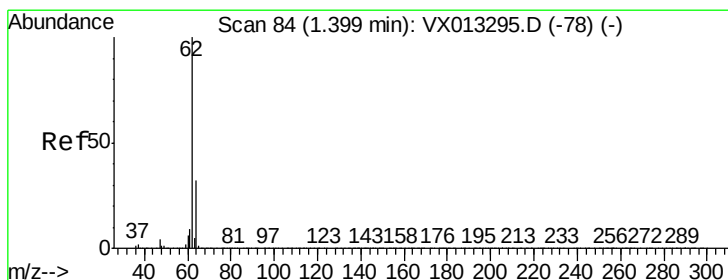
0

Time-->



MMDadoda

11/20/2019 9:16:05 AM



#4

Vinyl Chloride

Concen: 48.347 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013454.D

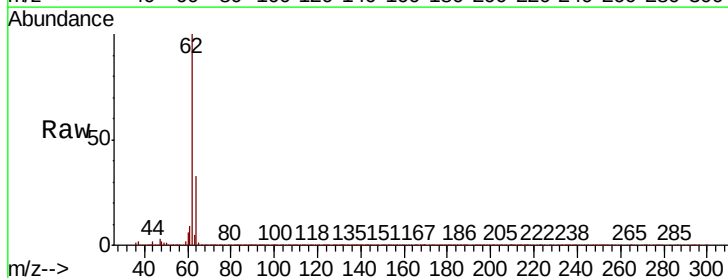
Acq: 19 Nov 2019 09:55

Tgt Ion: 62 Resp: 462968

Ion Ratio Lower Upper

62 100

64 32.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

500000

400000

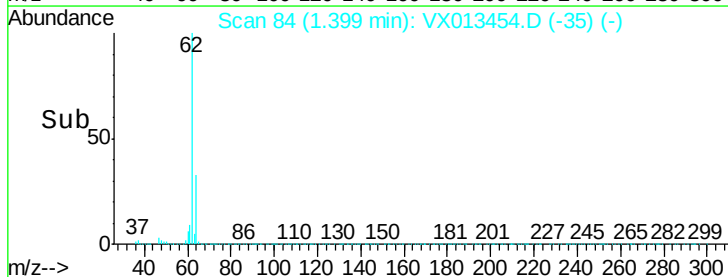
300000

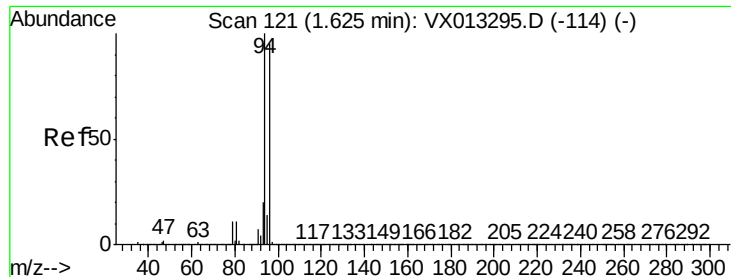
200000

100000

0

Time-->





#5

Bromomethane

Concen: 43.591 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Tot Ion: 94 Resp: 290890

Ion Ratio Lower Upper

94 100

96 93.9 75.8 113.8

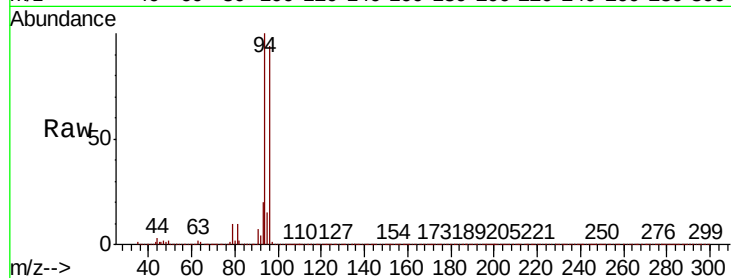
Instrument :

MSVOA_X

ClientSampled :

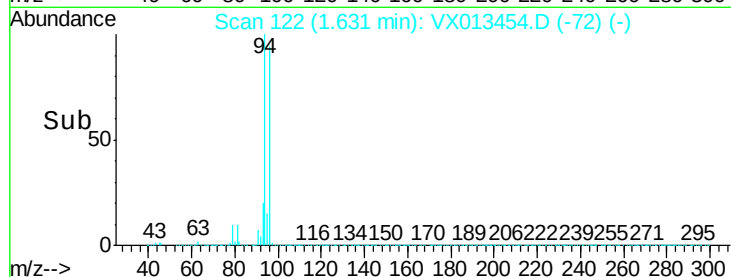
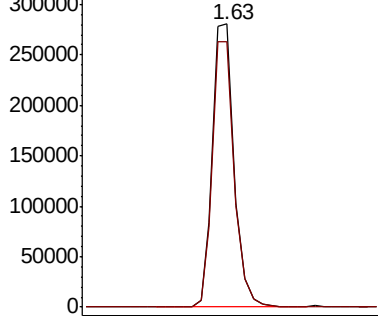
VSTDCCC050

Manual Integrations
APPROVED



Abundance Ion 93.90 (93.60 to 94.60): VX0

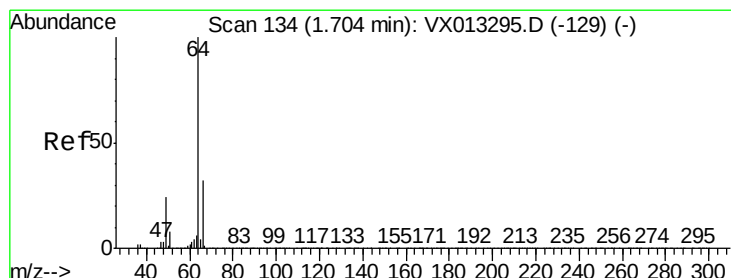
Ion 95.90 (95.60 to 96.60): VX0



MMDadoda

11/20/2019 9:16:05 AM

Time-->



#6

Chloroethane

Concen: 46.908 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX013454.D

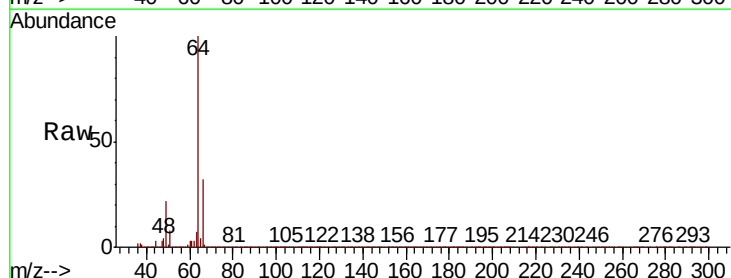
Acq: 19 Nov 2019 09:55

Tgt Ion: 64 Resp: 257177

Ion Ratio Lower Upper

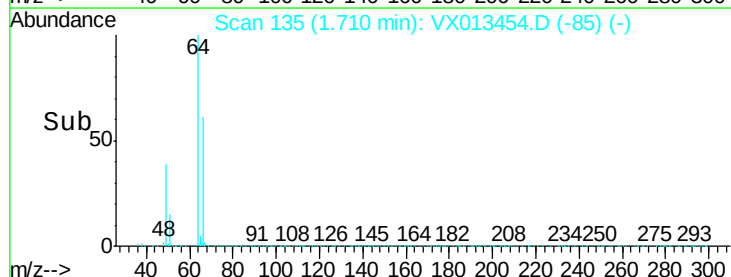
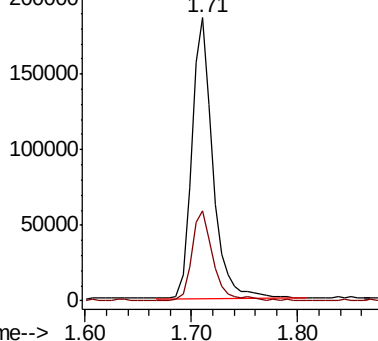
64 100

66 31.8 25.6 38.4

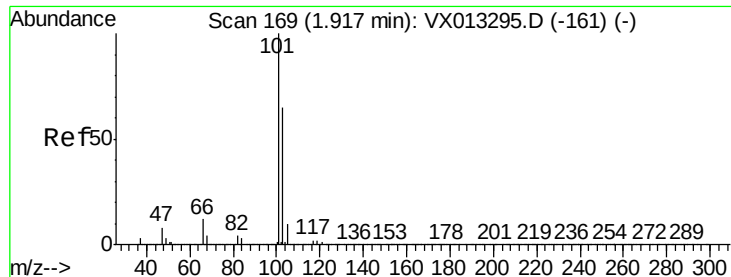


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



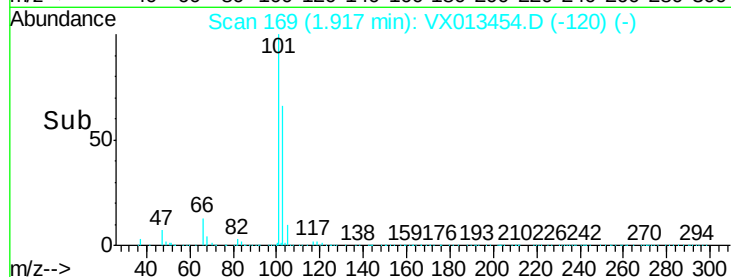
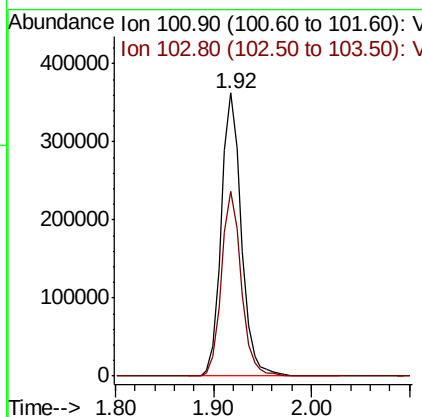
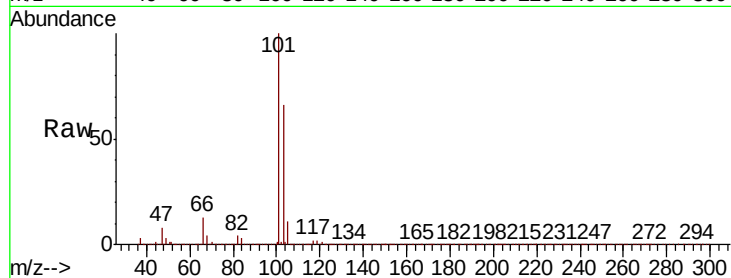
#7

Trichlorofluoromethane
Concen: 45.663 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

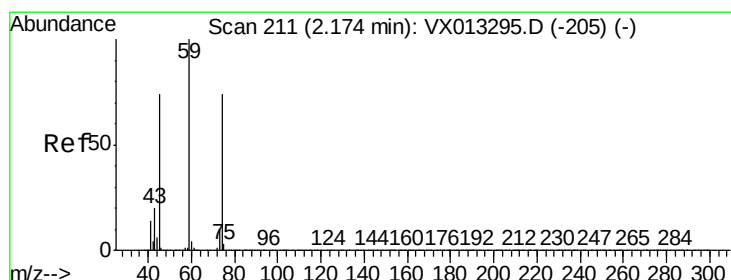
Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.3	78.5

Manual Integrations
APPROVED



MMDadoda

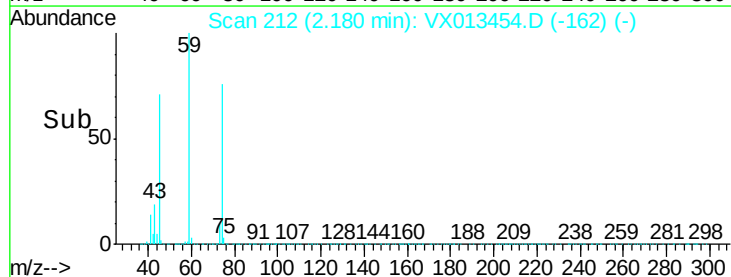
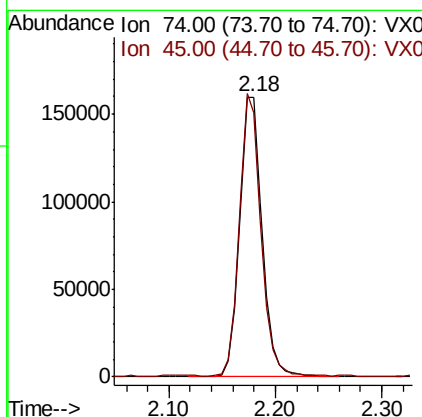
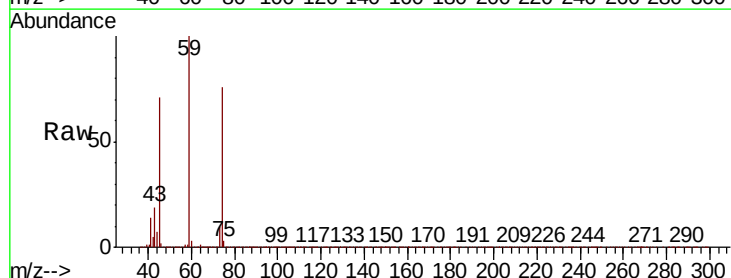
11/20/2019 9:16:05 AM

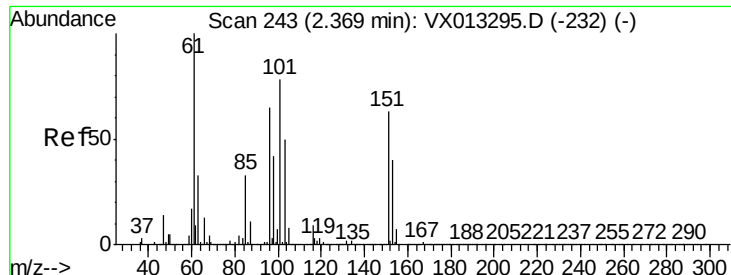


#8

Diethyl Ether
Concen: 46.991 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.01 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.5	48.5	145.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.145 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Instrument :

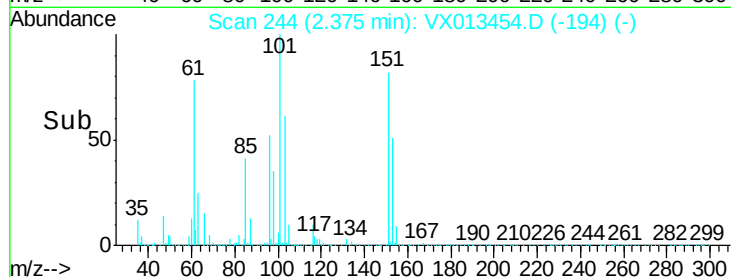
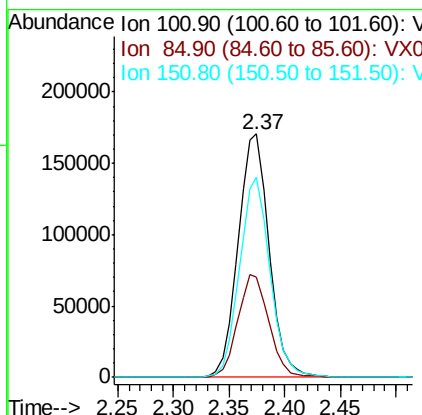
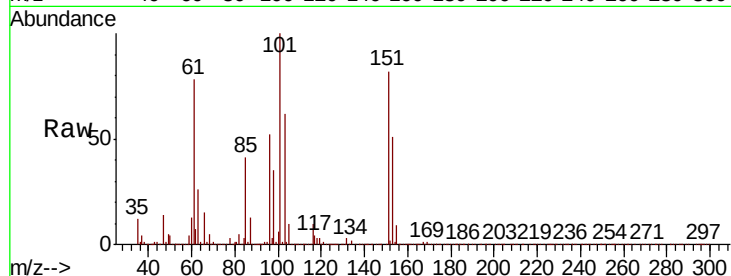
MSVOA_X

ClientSampleId :

VSTDCCC050

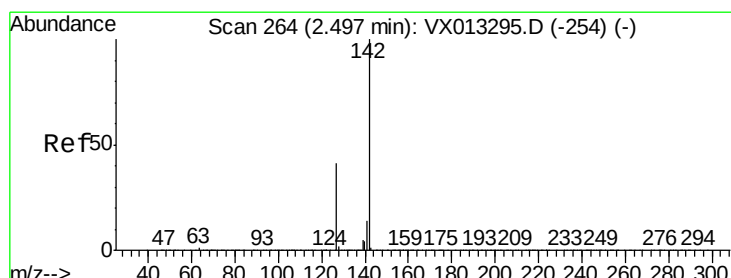
Tot Ion:	101	Resp:	328812
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.4	51.6
151	81.0	66.4	99.6

Manual Integrations
APPROVED



MMDadoda

11/20/2019 9:16:05 AM



#10

Methyl Iodide

Concen: 45.863 ug/l

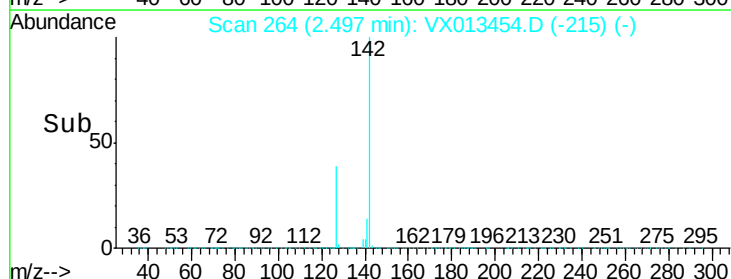
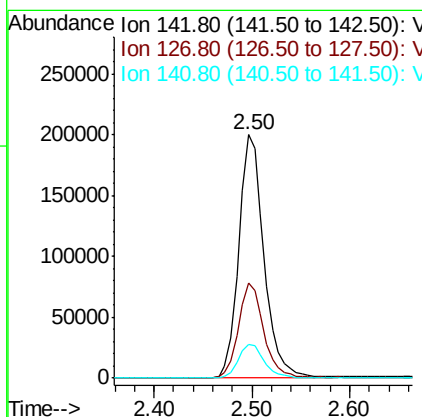
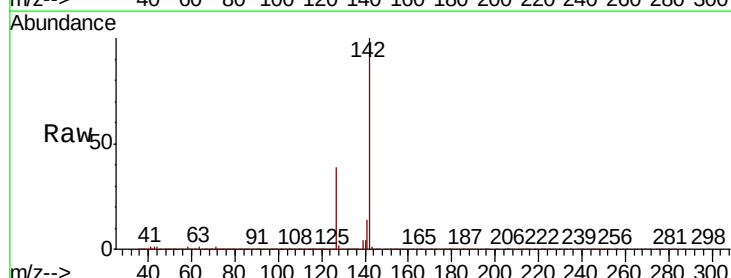
RT: 2.50 min Scan# 264

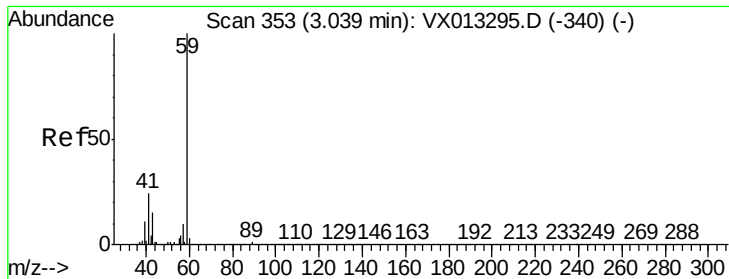
Delta R.T. -0.00 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Tgt Ion:	142	Resp:	358051
Ion Ratio	Lower	Upper	
142	100		
127	39.0	32.6	49.0
141	14.3	11.6	17.4





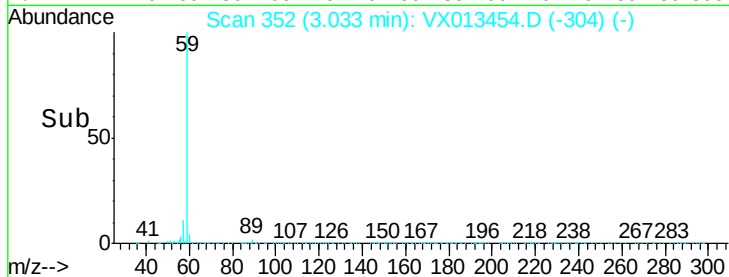
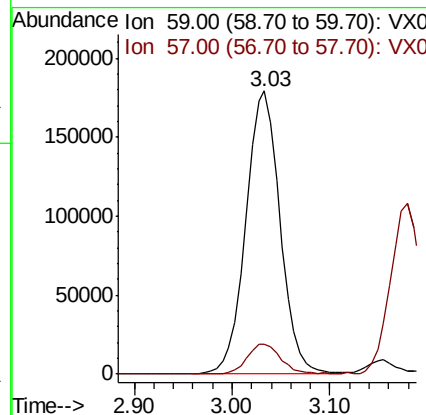
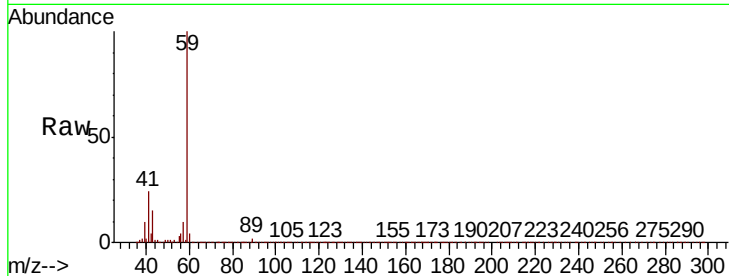
#11

Tert butyl alcohol
Concen: 206.964 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

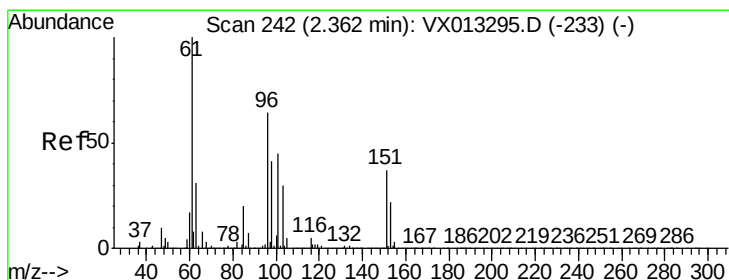
Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.0	12.0

Manual Integrations
APPROVED



MM Dadoda

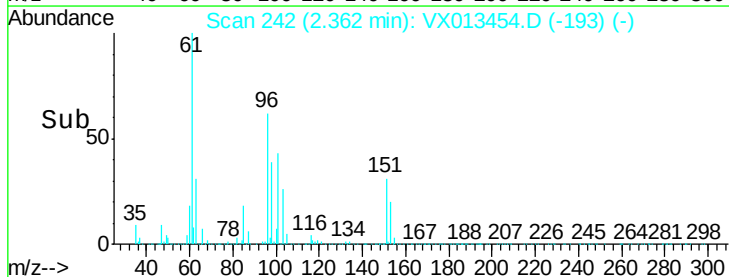
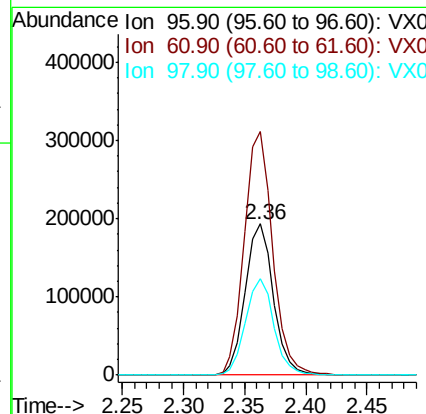
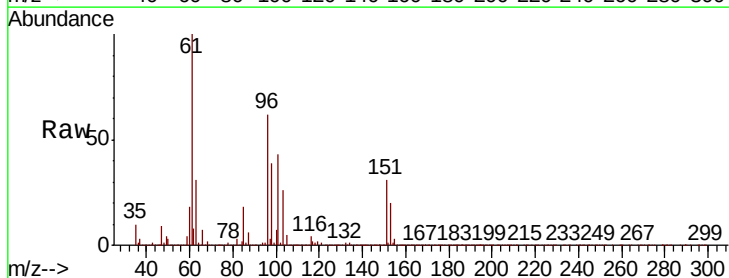
11/20/2019 9:16:05 AM

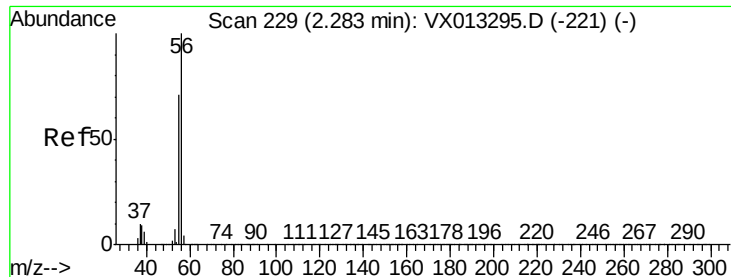


#12

1,1-Dichloroethene
Concen: 50.114 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.0	125.0	187.6
98	63.5	50.7	76.1





#13

Acrolein

Concen: 242.004 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

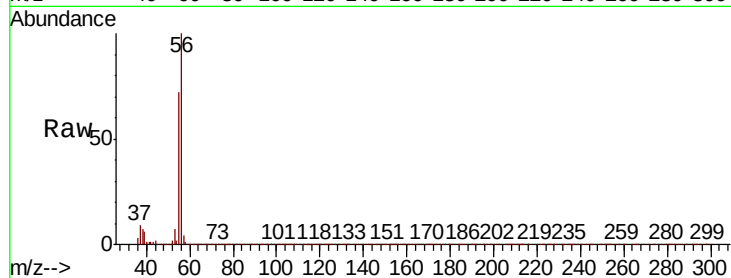
Tot Ion: 56 Resp: 275702

Ion Ratio Lower Upper

56 100

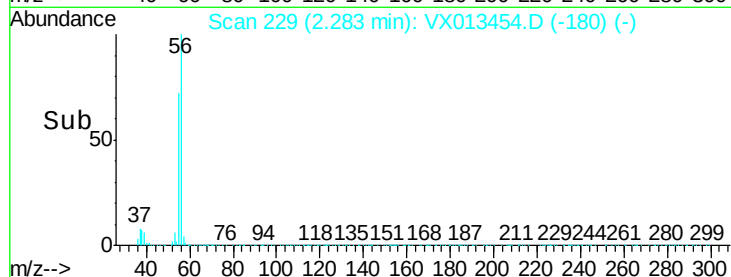
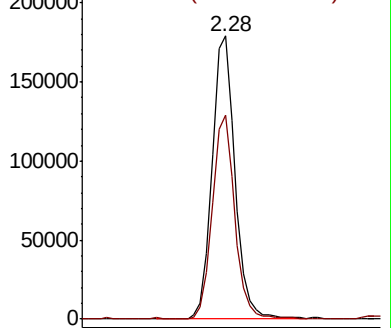
55 70.8 57.4 86.0

Manual Integrations
APPROVED



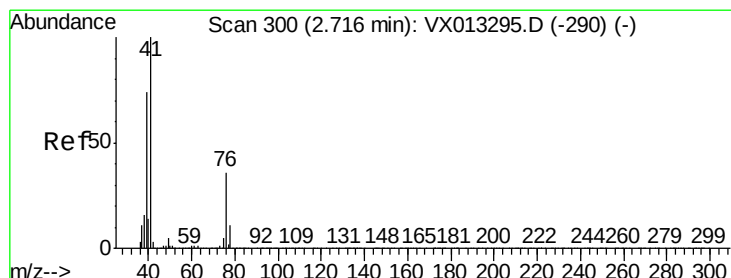
Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



MMDadoda

11/20/2019 9:16:05 AM



#14

Allyl chloride

Concen: 52.830 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

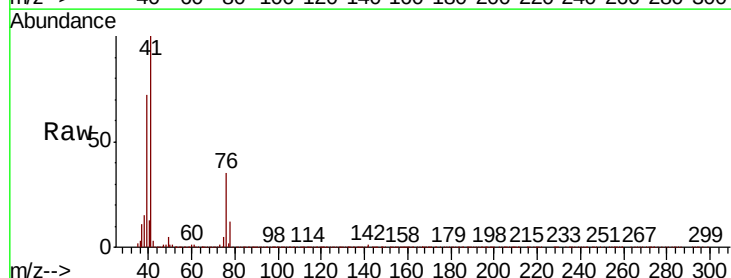
Tgt Ion: 41 Resp: 592735

Ion Ratio Lower Upper

41 100

39 65.0 55.8 83.8

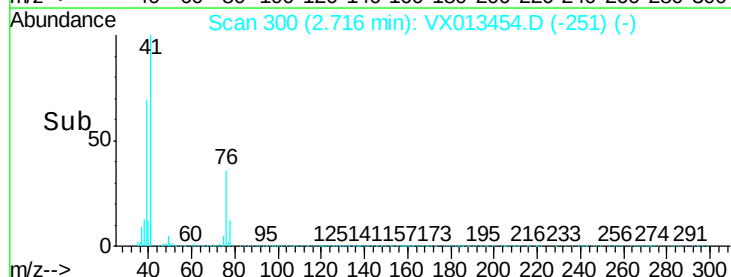
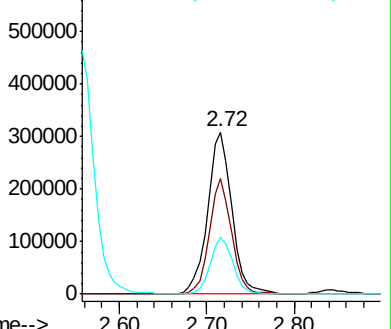
76 32.2 26.4 39.6

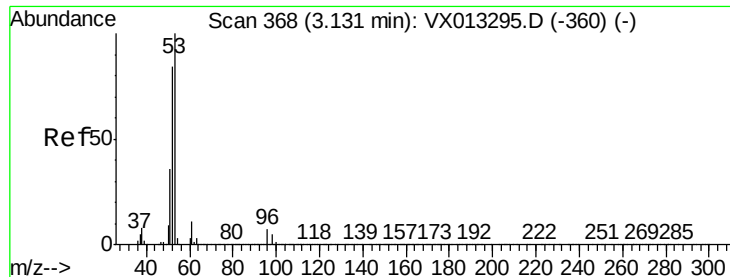


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 257.075 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 1009409

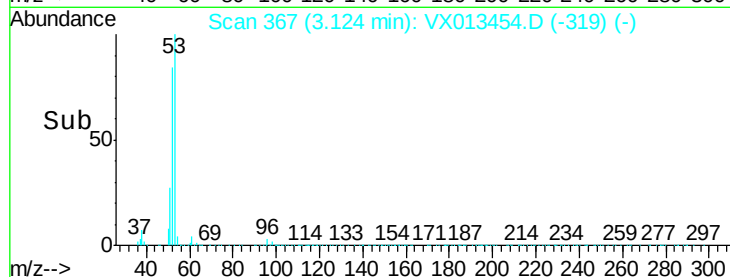
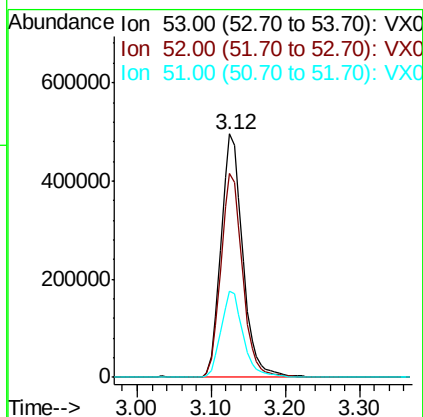
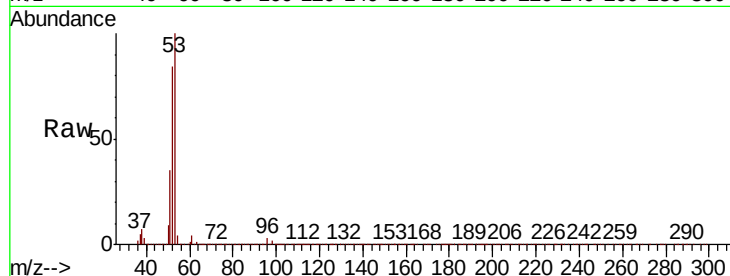
Ion Ratio Lower Upper

53 100

52 82.9 67.4 101.0

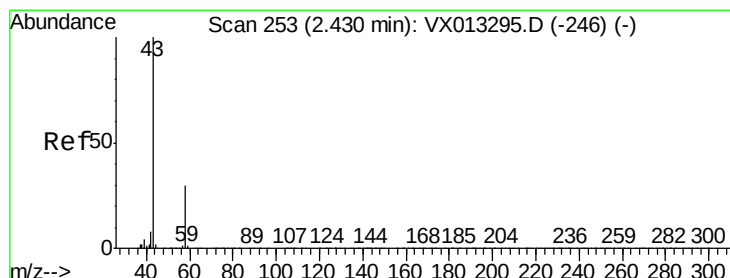
51 35.9 29.4 44.2

Manual Integrations
APPROVED



MMDadoda

11/20/2019 9:16:05 AM



#16

Acetone

Concen: 241.188 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013454.D

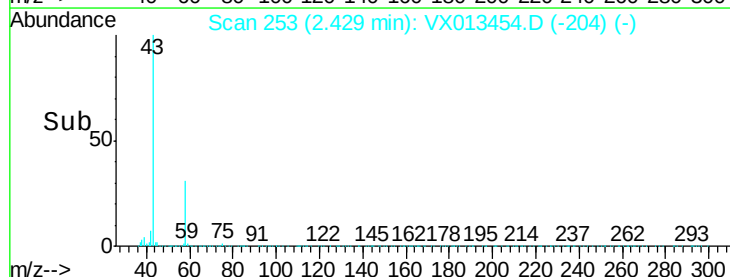
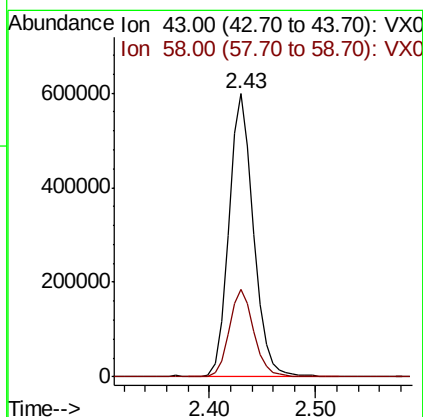
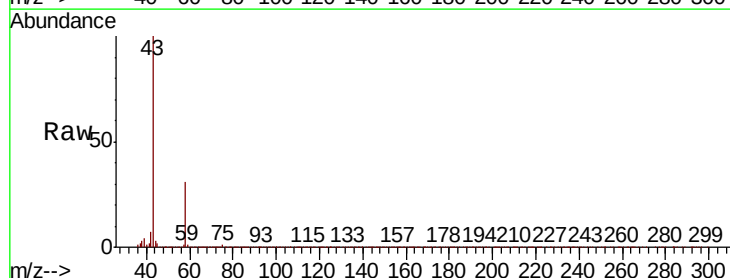
Acq: 19 Nov 2019 09:55

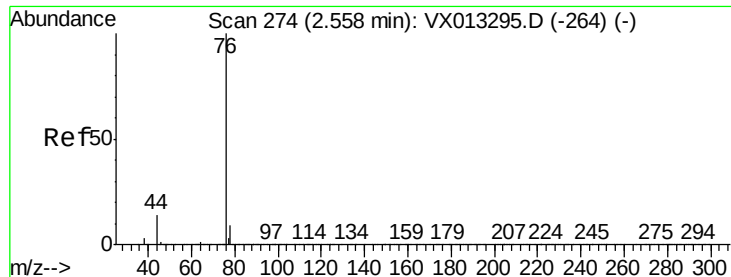
Tgt Ion: 43 Resp: 959431

Ion Ratio Lower Upper

43 100

58 30.9 24.3 36.5





#17

Carbon Disulfide

Concen: 47.697 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Tot Ion: 76 Resp: 788320

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6

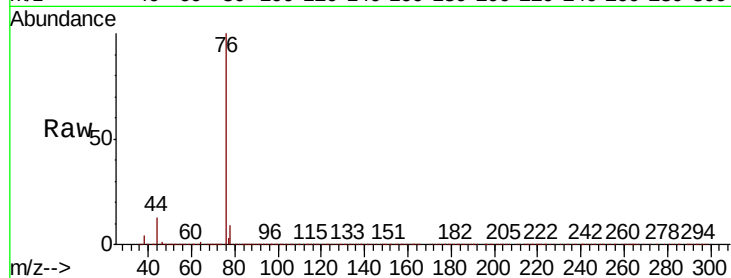
Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Manual Integrations
APPROVED



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

500000

400000

300000

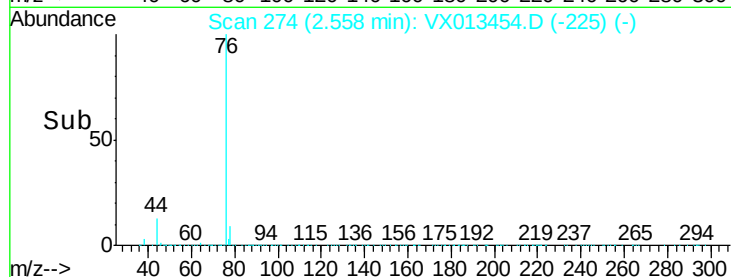
200000

100000

0

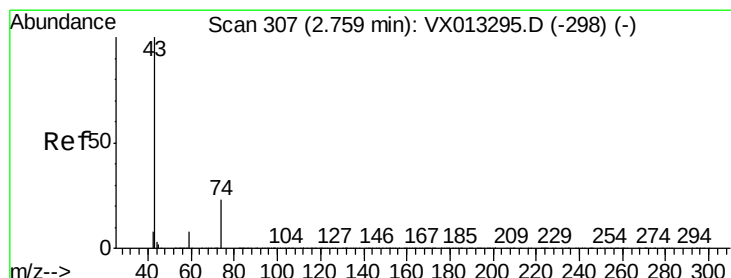
2.50 2.60 2.70

Time-->



MMDadoda

11/20/2019 9:16:05 AM



#18

Methyl Acetate

Concen: 52.913 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX013454.D

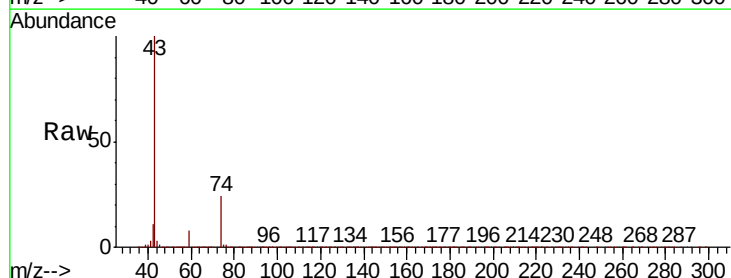
Acq: 19 Nov 2019 09:55

Tgt Ion: 43 Resp: 581098

Ion Ratio Lower Upper

43 100

74 23.5 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

300000

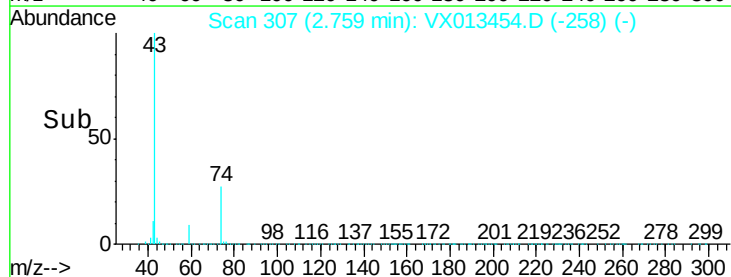
200000

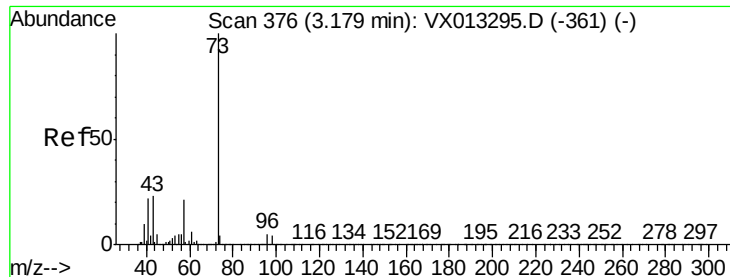
100000

0

2.70 2.80

Time-->



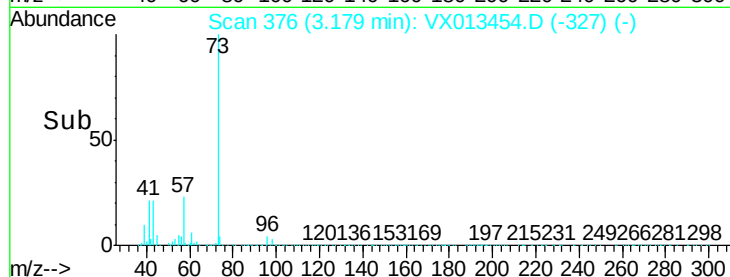
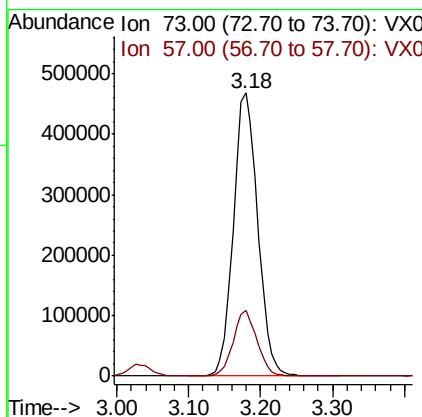
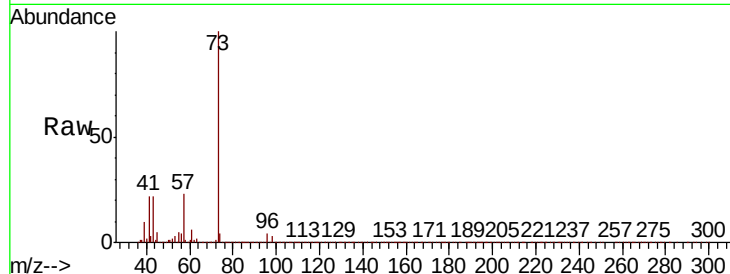


#19
Methyl tert-butyl Ether
Concen: 53.264 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

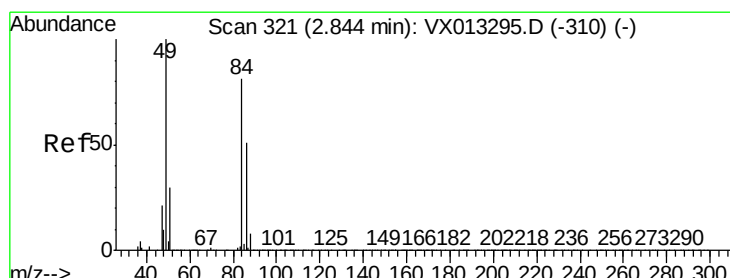
Tot Ion: 73 Resp: 1096994
Ion Ratio Lower Upper
73 100
57 23.1 17.1 25.7

Manual Integrations
APPROVED



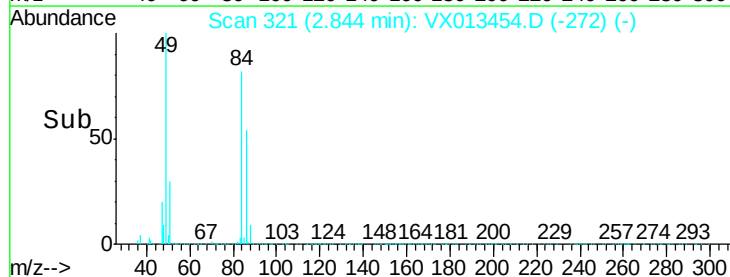
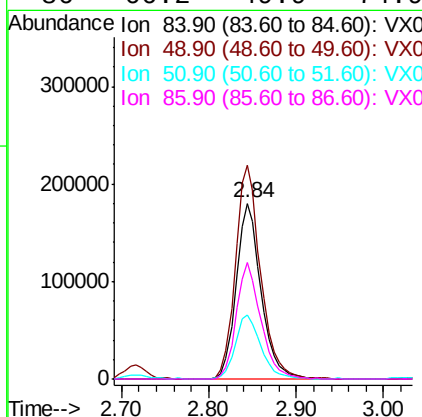
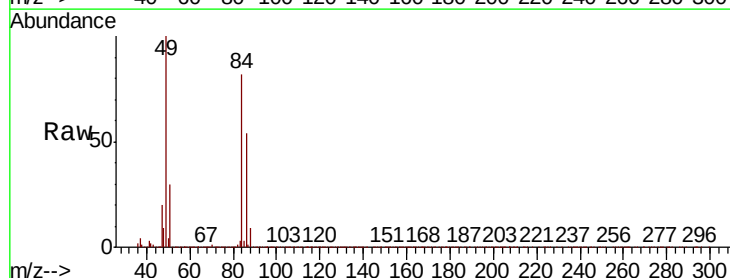
MMDadoda

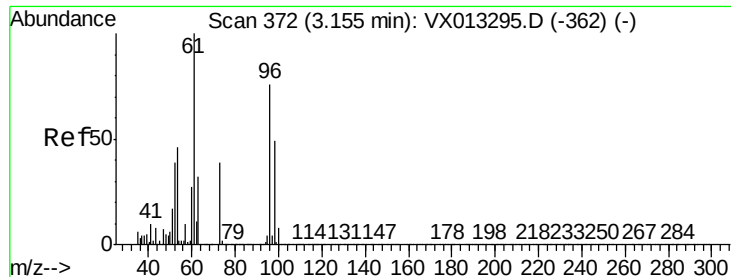
11/20/2019 9:16:05 AM



#20
Methylene Chloride
Concen: 48.329 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Tgt Ion: 84 Resp: 355203
Ion Ratio Lower Upper
84 100
49 121.7 98.2 147.4
51 36.3 29.9 44.9
86 66.2 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 49.497 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.01 min

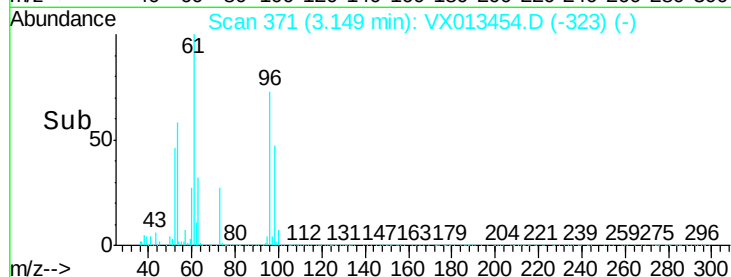
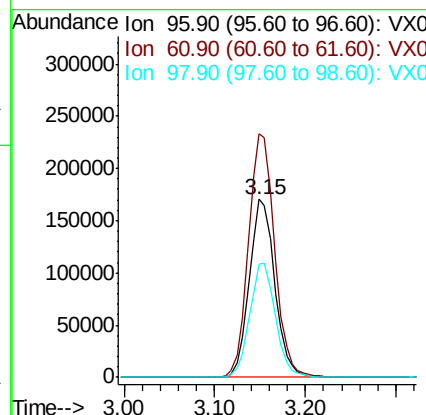
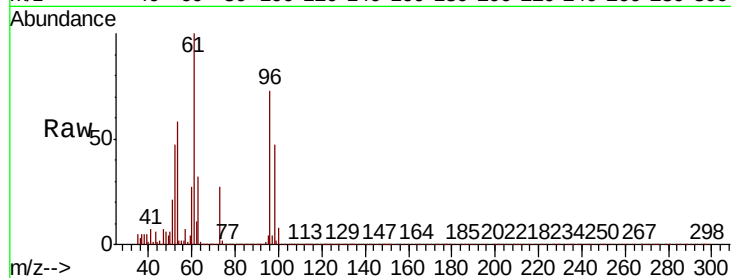
Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Tot Ion:	96	Resp:	332790
Ion	Ratio	Lower	Upper
96	100		
61	136.8	105.8	158.6
98	63.7	51.8	77.6

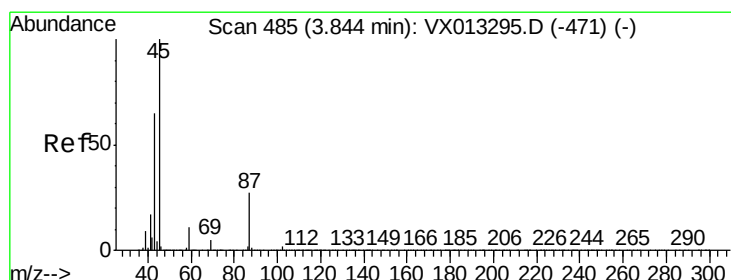
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED



MM Dadoda

11/20/2019 9:16:05 AM



#22

Diisopropyl ether

Concen: 54.562 ug/l

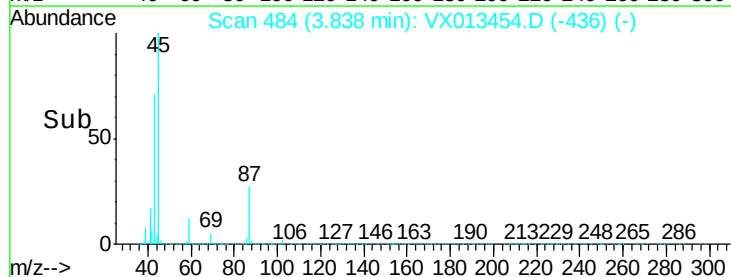
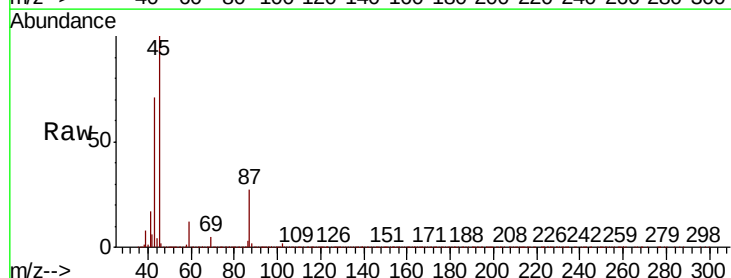
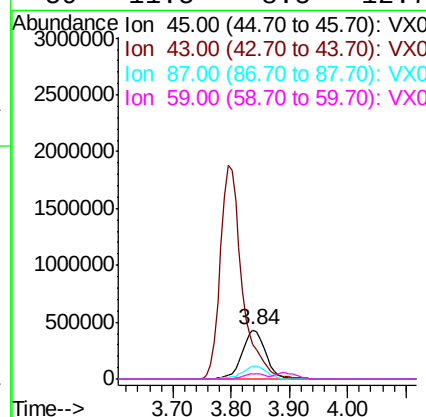
RT: 3.84 min Scan# 484

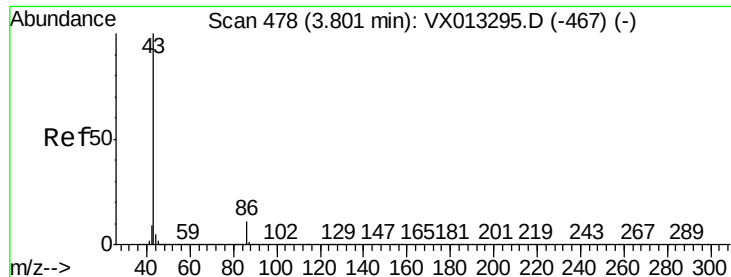
Delta R.T. -0.01 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Tgt Ion:	45	Resp:	1181857
Ion	Ratio	Lower	Upper
45	100		
43	70.9	54.2	81.2
87	27.1	21.8	32.8
59	11.5	8.5	12.7





#23

Vinyl Acetate

Concen: 264.375 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.01 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Tot Ion: 43 Resp: 4900252

Ion Ratio Lower Upper

43 100

86 10.7 8.6 13.0

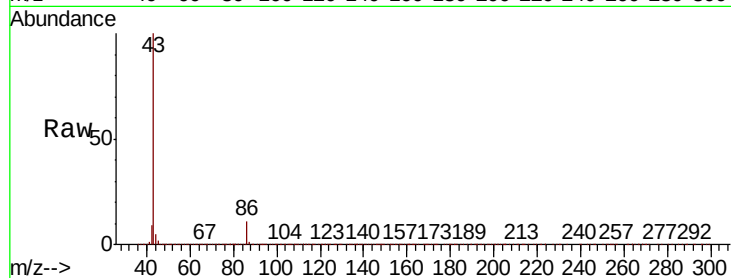
Instrument :

MSVOA_X

ClientSampled :

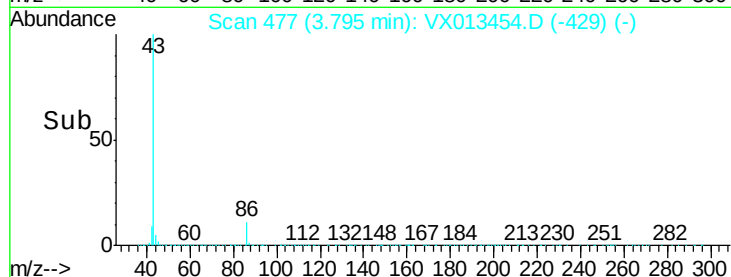
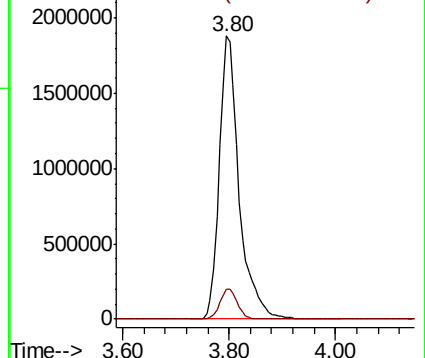
VSTDCCC050

Manual Integrations
APPROVED



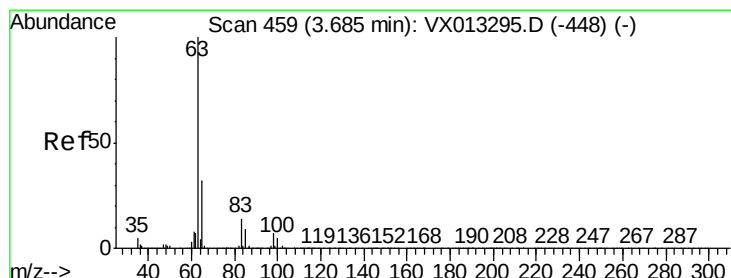
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



MMDadoda

11/20/2019 9:16:05 AM



#24

1,1-Dichloroethane

Concen: 52.117 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

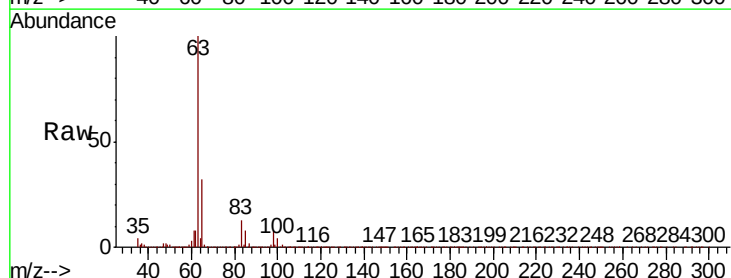
Tgt Ion: 63 Resp: 631519

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

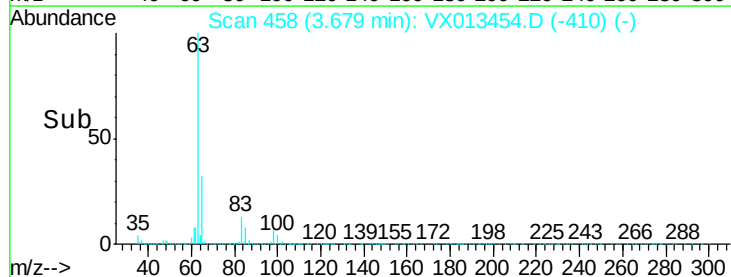
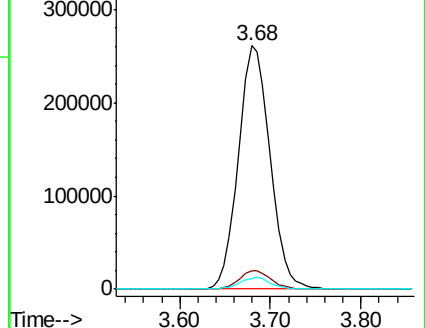
100 4.3 2.4 7.2

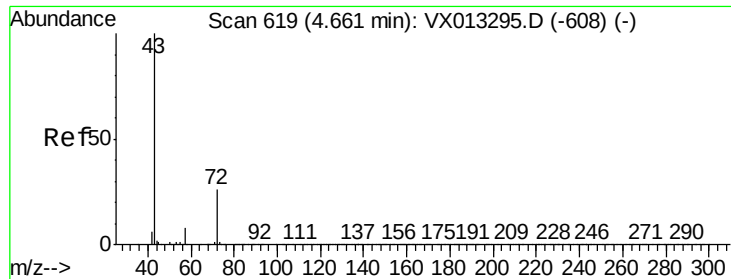


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 254.265 ug/l

RT: 4.65 min Scan# 617

Delta R.T. -0.01 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

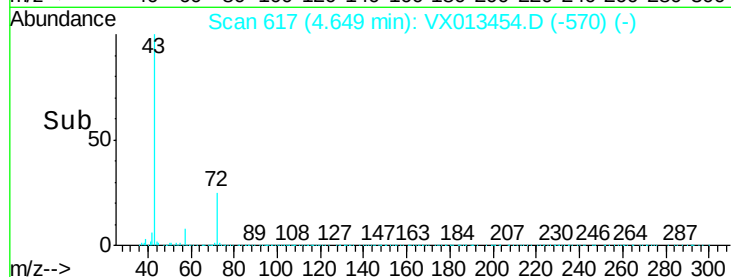
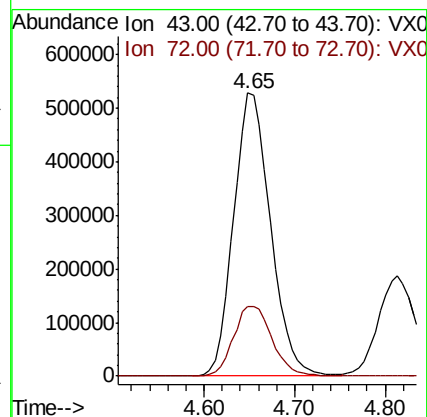
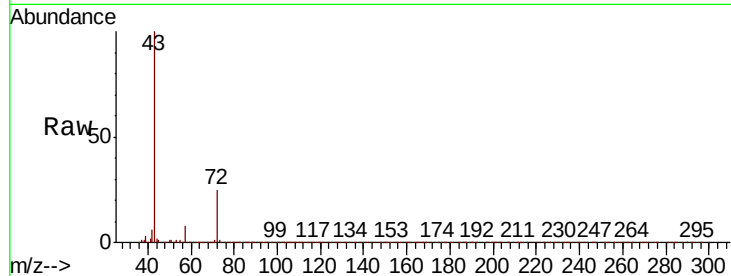
Tot Ion: 43 Resp: 1483810

Ion Ratio Lower Upper

43 100

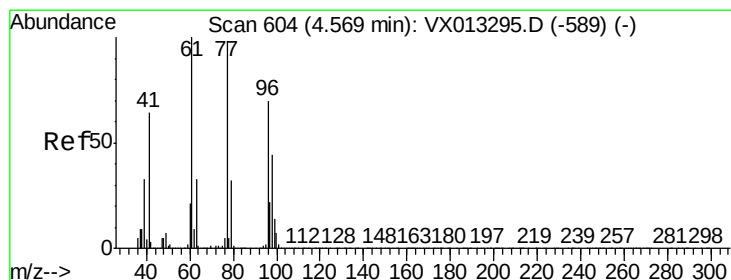
72 24.7 21.0 31.6

Manual Integrations
APPROVED



MM Dadoda

11/20/2019 9:16:05 AM



#26

2,2-Dichloropropane

Concen: 55.688 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX013454.D

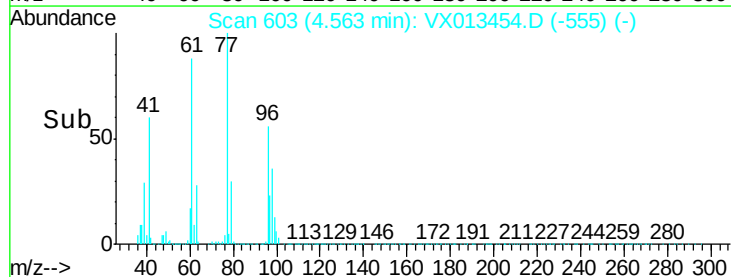
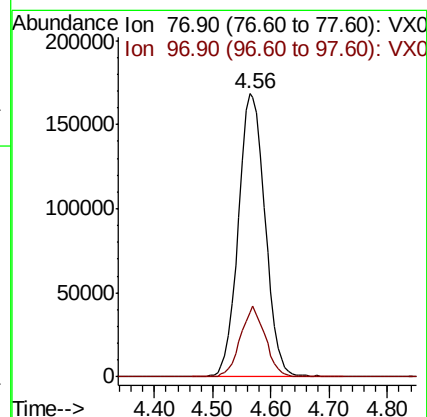
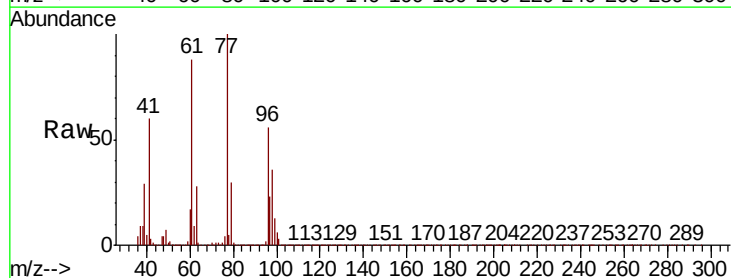
Acq: 19 Nov 2019 09:55

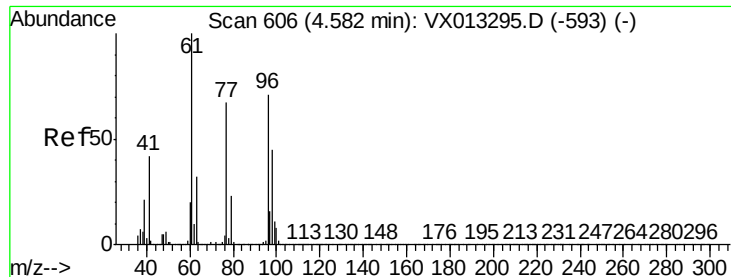
Tgt Ion: 77 Resp: 536815

Ion Ratio Lower Upper

77 100

97 22.7 11.3 33.8





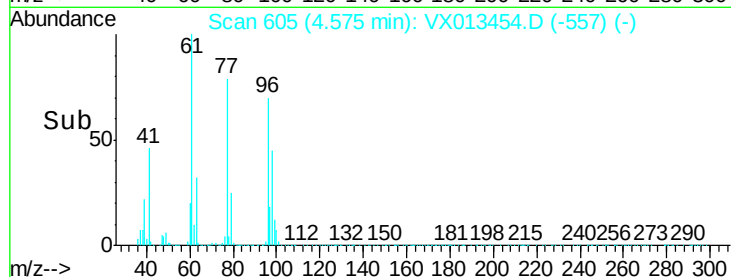
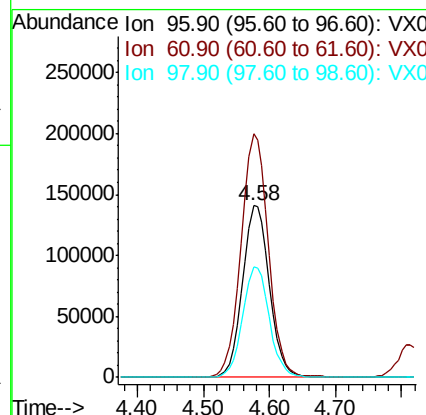
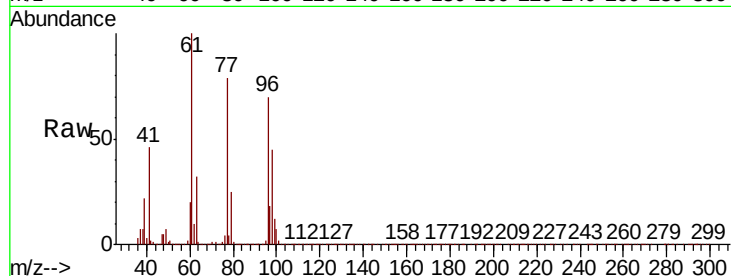
#27

cis-1,2-Dichloroethene
Concen: 52.571 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

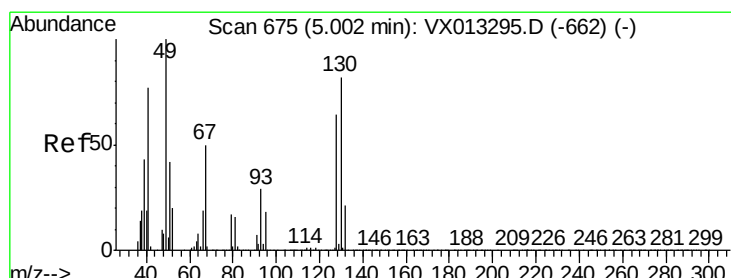
Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	144.1	0.0	288.0	
98	64.1	0.0	129.6	

Manual Integrations
APPROVED



MMDadoda

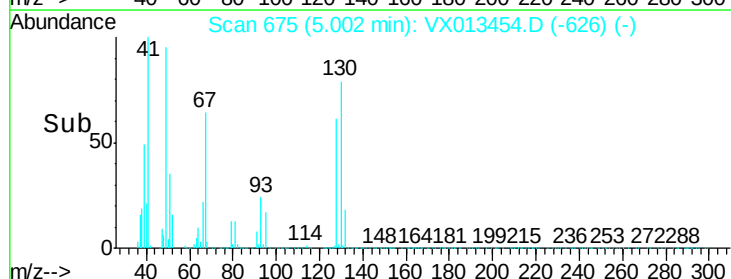
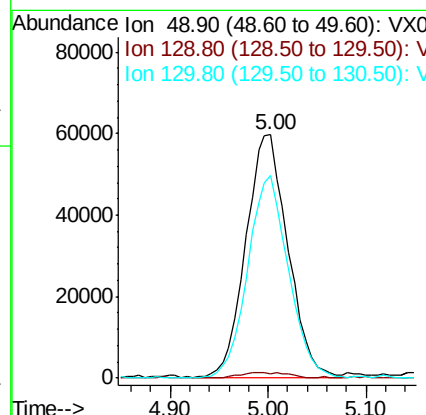
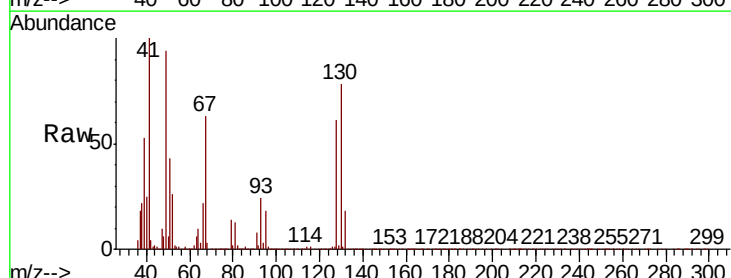
11/20/2019 9:16:05 AM

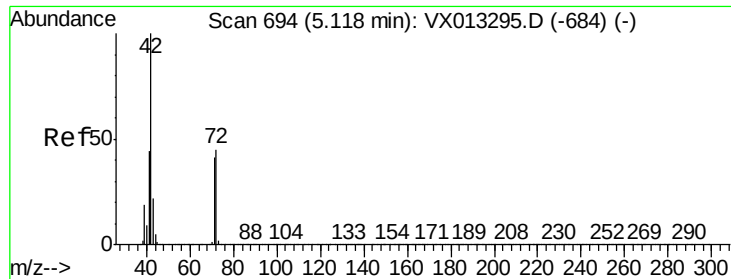


#28

Bromochloromethane
Concen: 51.459 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.7	0.0	5.2	
130	80.7	63.8	95.6	



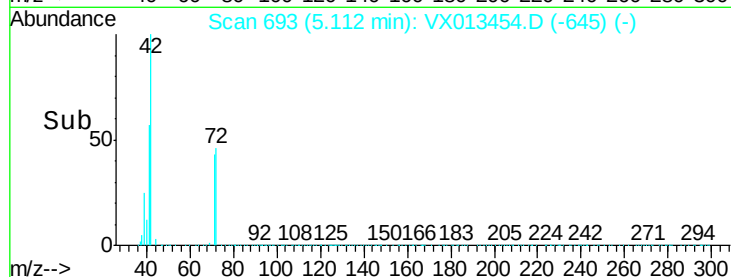
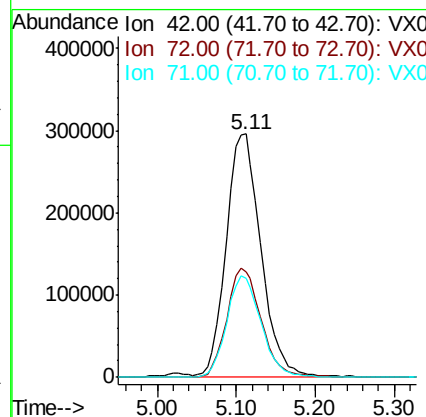
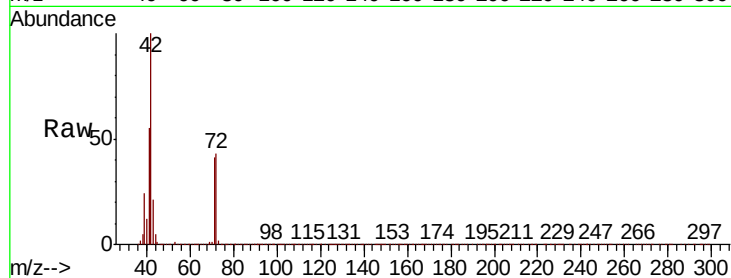


#29
Tetrahydrofuran
Concen: 250.119 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.01 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

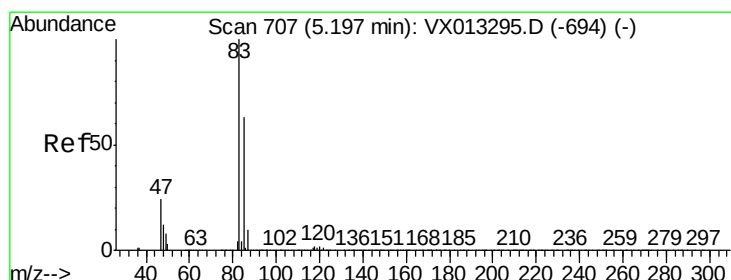
Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	35.8	53.8
71	41.4	33.4	50.0

Manual Integrations
APPROVED



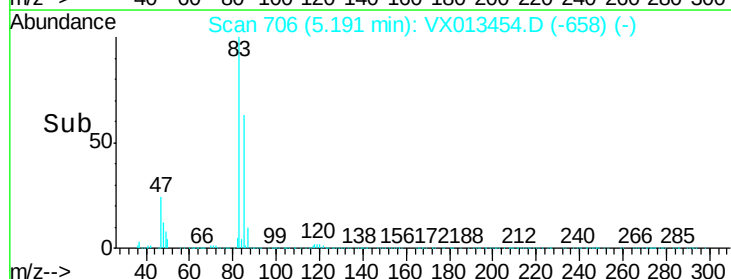
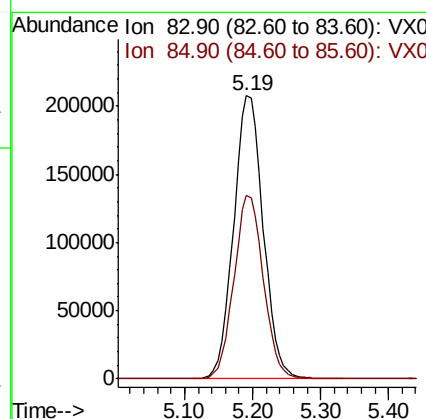
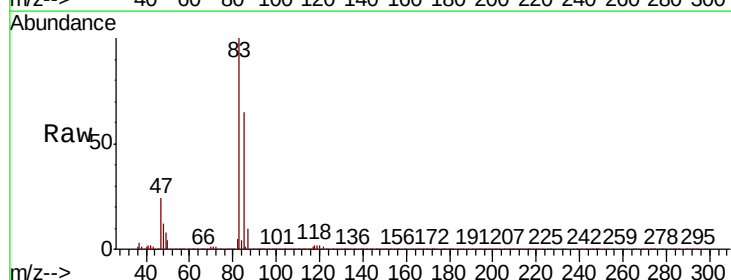
MMDadoda

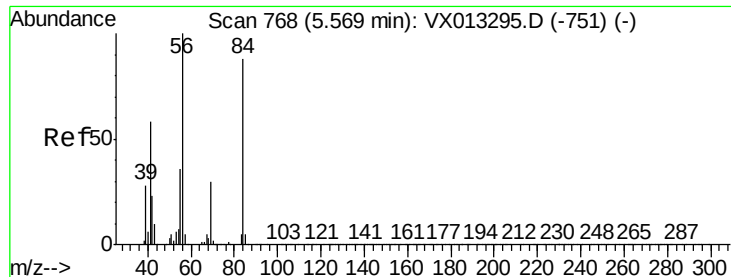
11/20/2019 9:16:05 AM



#30
Chloroform
Concen: 52.257 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.2	75.4





#31

Cyclohexane

Concen: 50.453 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Instrument :

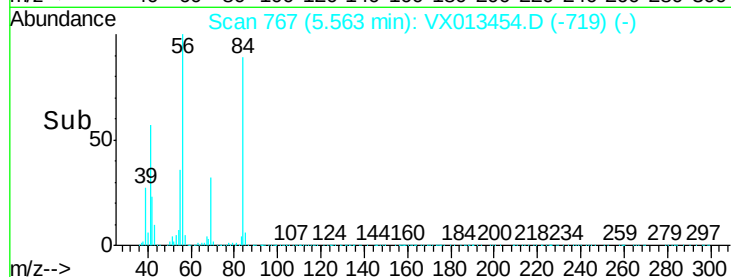
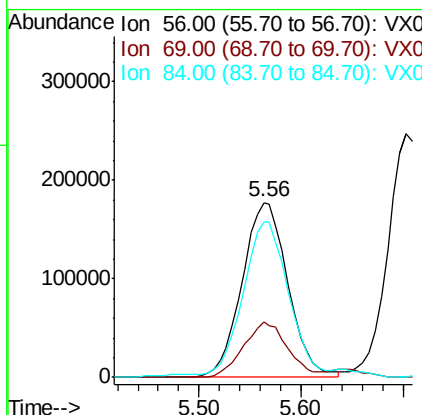
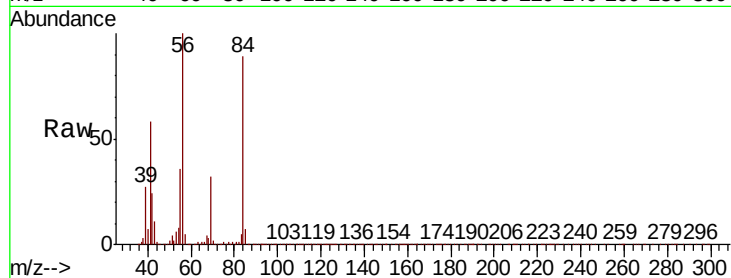
MSVOA_X

ClientSampleId :

VSTDCCC050

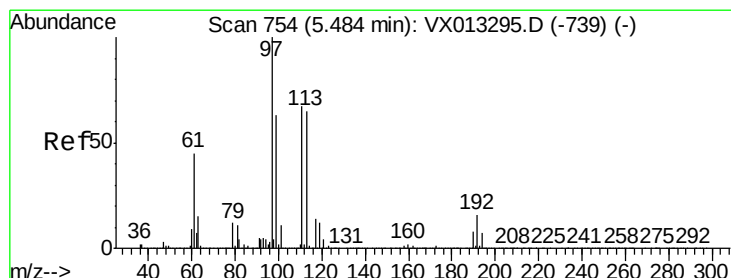
Tot Ion:	56	Resp:	550112
Ion Ratio	Lower	Upper	
56	100		
69	31.7	23.7	35.5
84	87.5	70.6	105.8

Manual Integrations
APPROVED



MMDadoda

11/20/2019 9:16:05 AM



#32

1,1,1-Trichloroethane

Concen: 50.943 ug/l

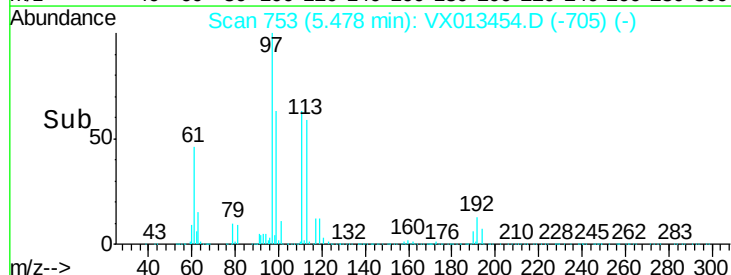
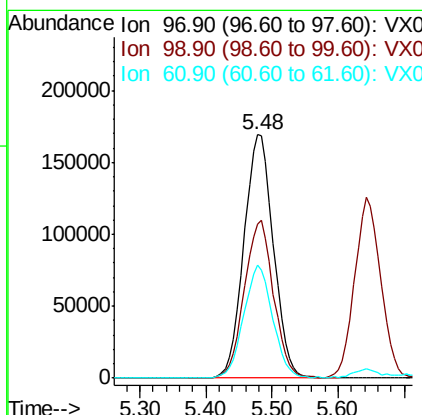
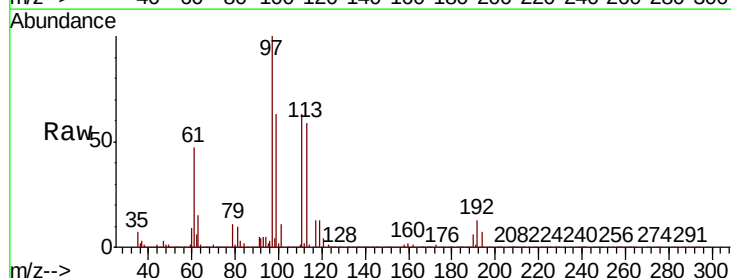
RT: 5.48 min Scan# 753

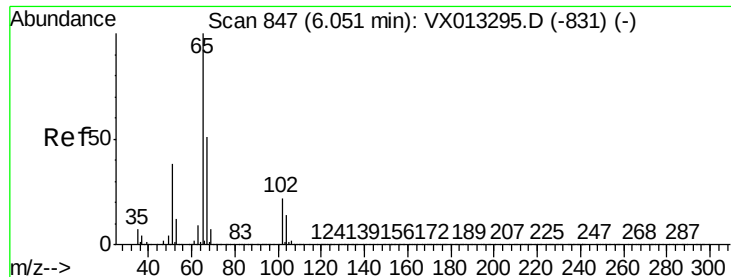
Delta R.T. -0.01 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Tgt Ion:	97	Resp:	524565
Ion Ratio	Lower	Upper	
97	100		
99	64.0	51.1	76.7
61	45.4	36.5	54.7



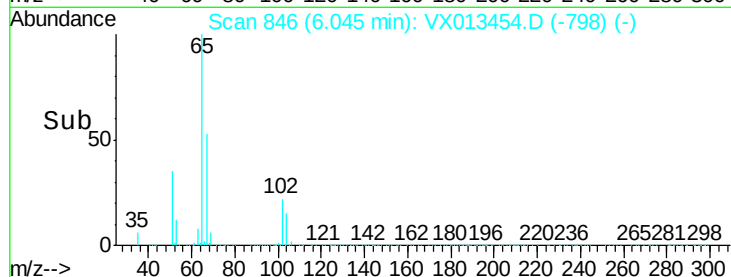
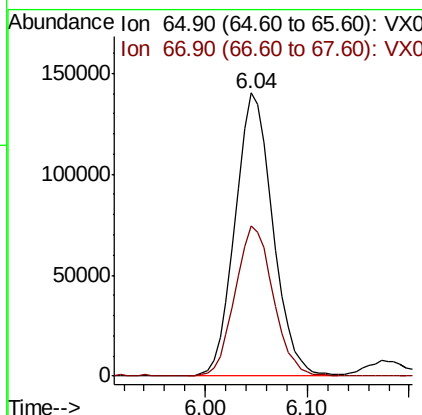
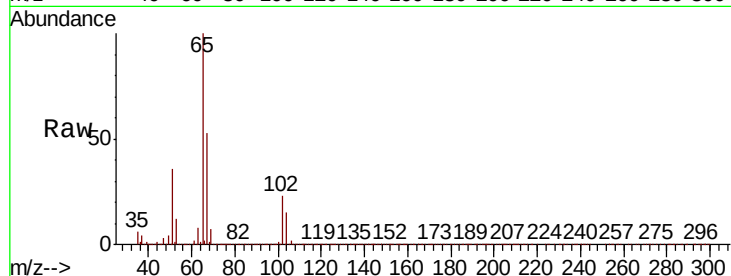


#33
 1,2-Dichloroethane-d4
 Concen: 44.991 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX013454.D
 Acq: 19 Nov 2019 09:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

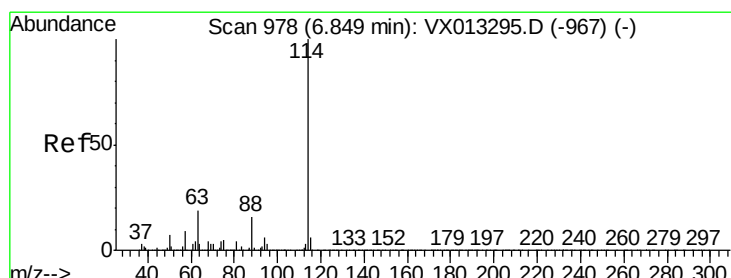
Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	104.2

Manual Integrations
 APPROVED



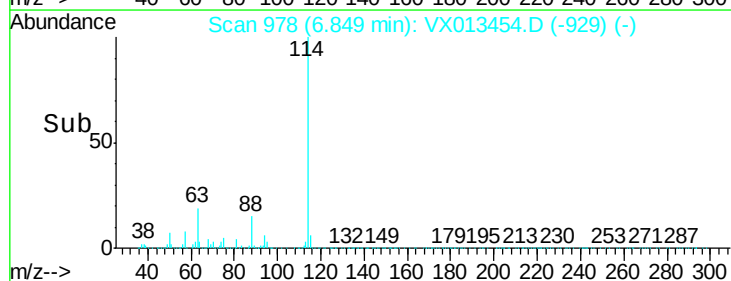
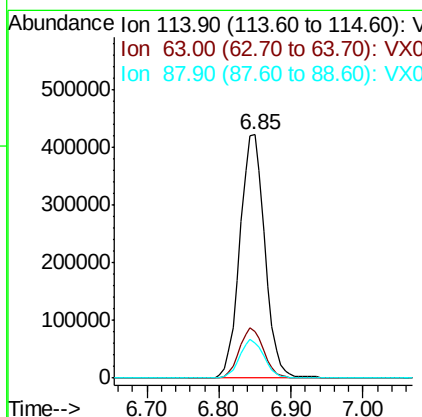
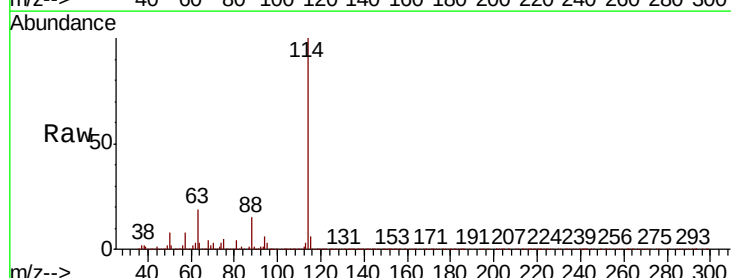
MMDadoda

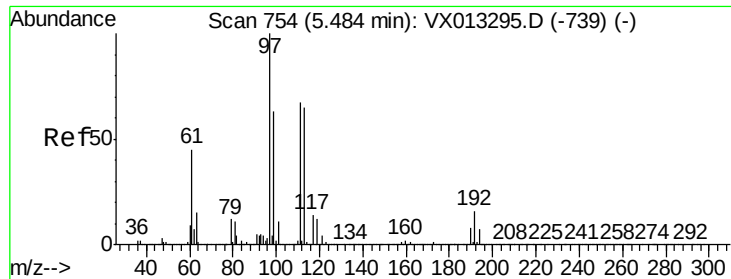
11/20/2019 9:16:05 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013454.D
 Acq: 19 Nov 2019 09:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	38.4
88	14.6	0.0	32.2



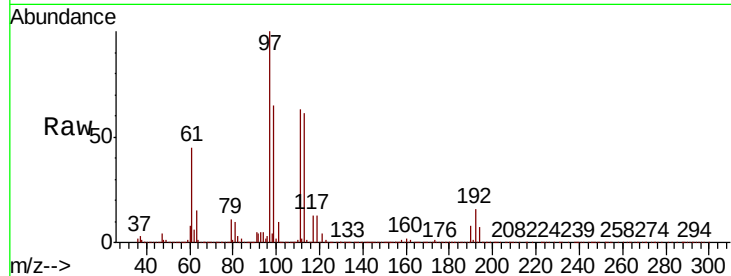


#35
Dibromofluoromethane
Concen: 46.798 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	297665		
111	103.9	81.9	122.9	
192	23.6	19.1	28.7	

Manual Integrations
APPROVED

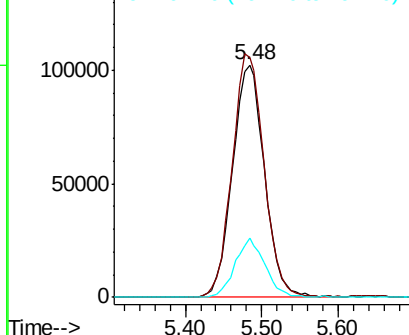


Abundance

Ion 112.80 (112.50 to 113.50): V

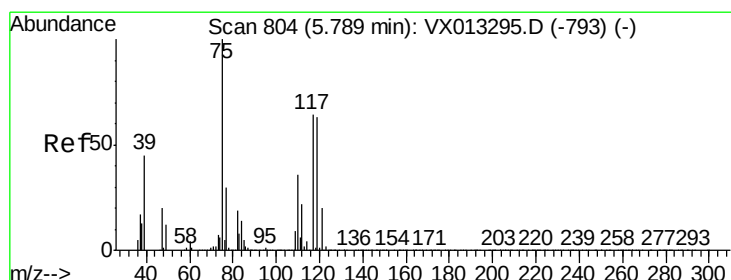
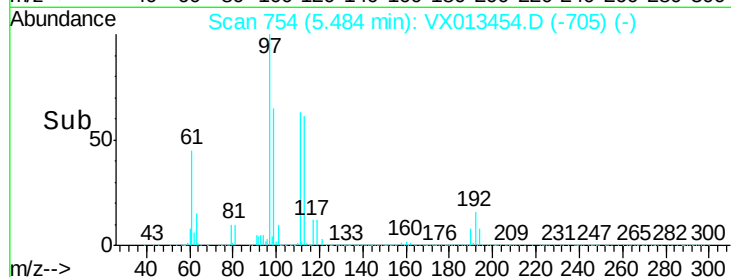
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



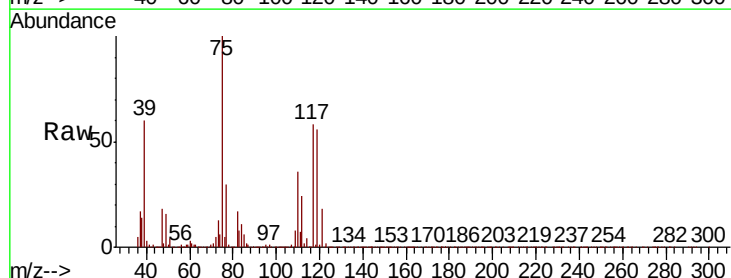
MMDadoda

11/20/2019 9:16:05 AM



#36
1,1-Dichloropropene
Concen: 53.104 ug/l
RT: 5.79 min Scan# 804
Delta R.T. -0.00 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	461998		
110	36.2	18.1	54.1	
77	31.2	25.0	37.4	

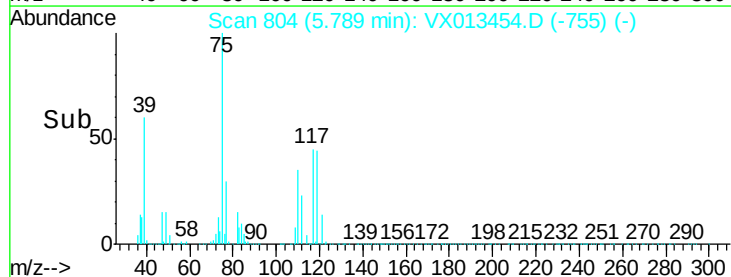
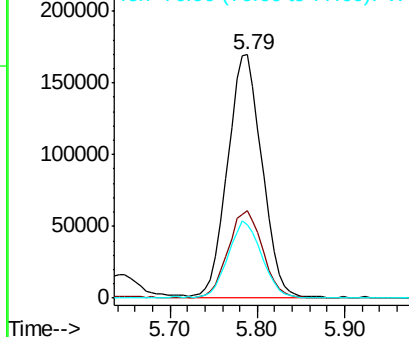


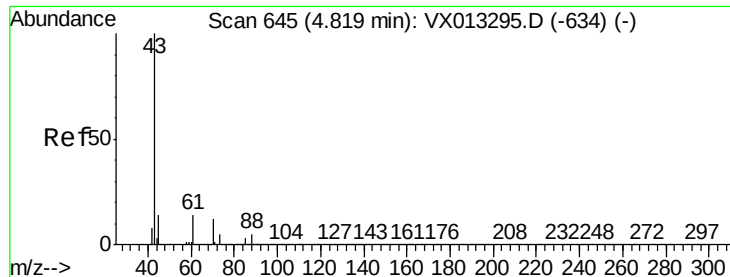
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



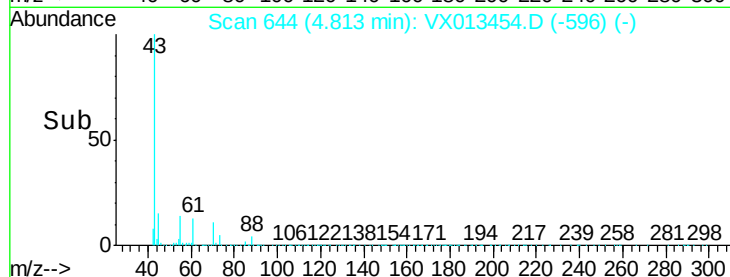
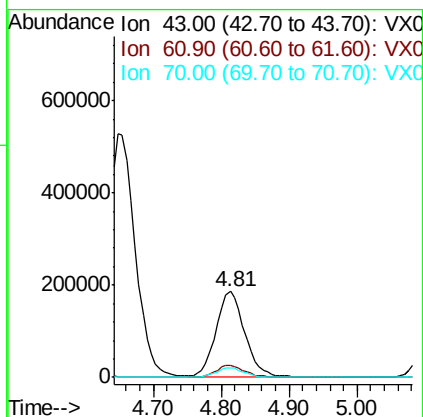
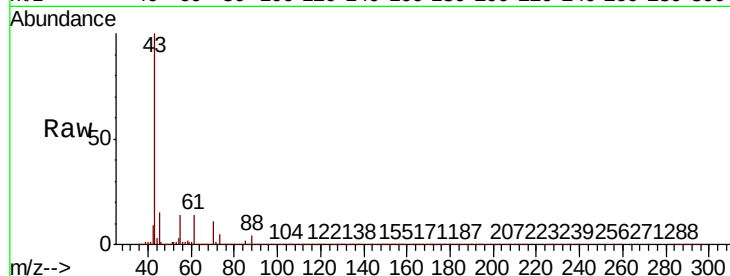


#37
Ethyl Acetate
Concen: 50.657 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

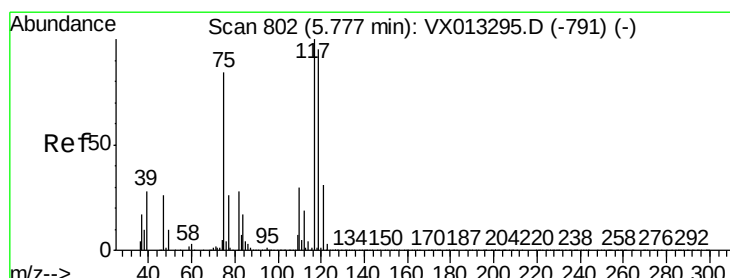
Tot Ion:	43	Resp:	544566
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.7	16.1
70	10.6	8.7	13.1

Manual Integrations
APPROVED



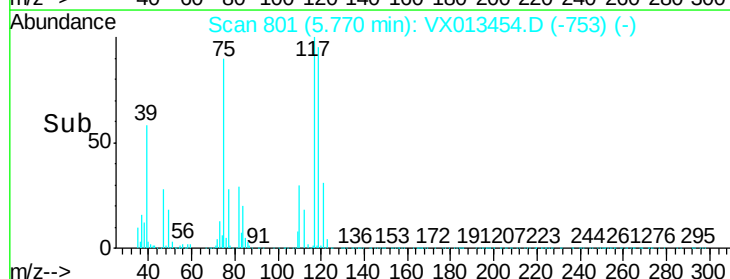
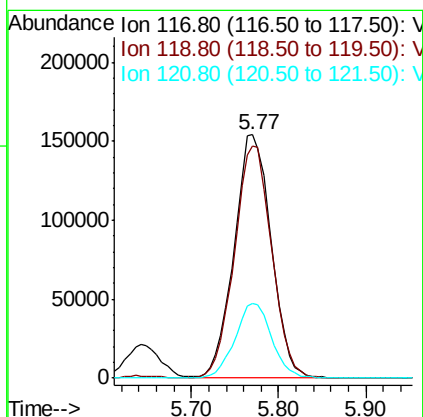
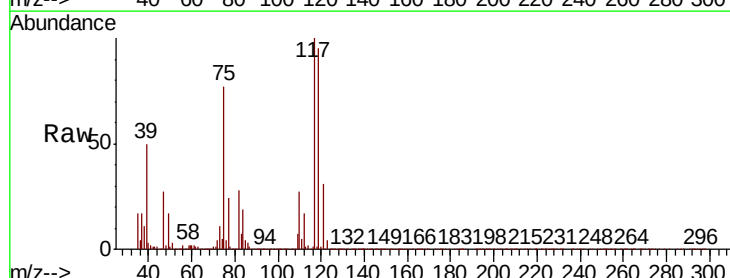
MMDadoda

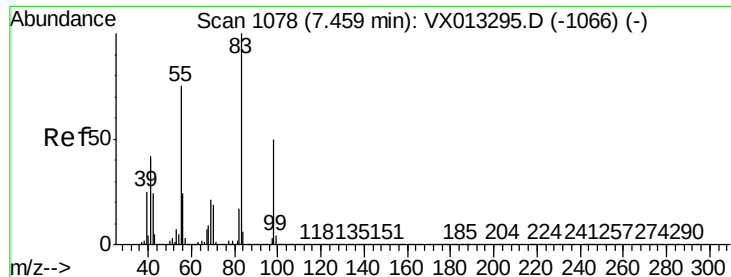
11/20/2019 9:16:05 AM



#38
Carbon Tetrachloride
Concen: 53.326 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Tgt Ion:	117	Resp:	453666
Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.1	114.1
121	30.8	24.6	37.0



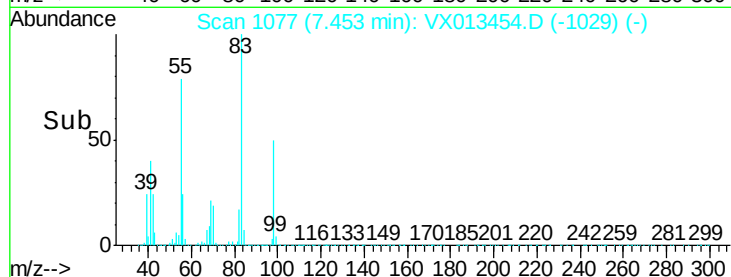
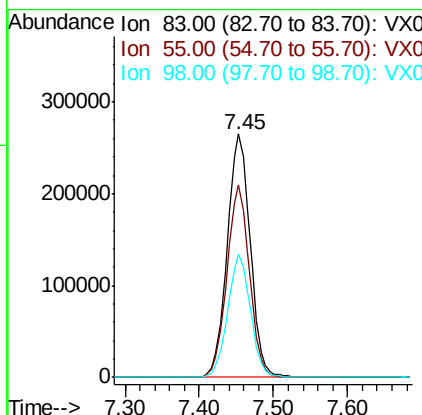
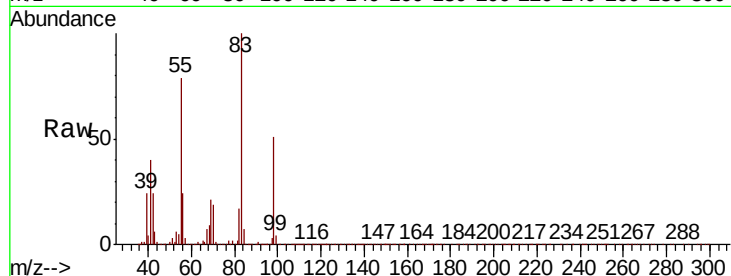


#39
Methylvlcyclohexane
Concen: 52.765 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

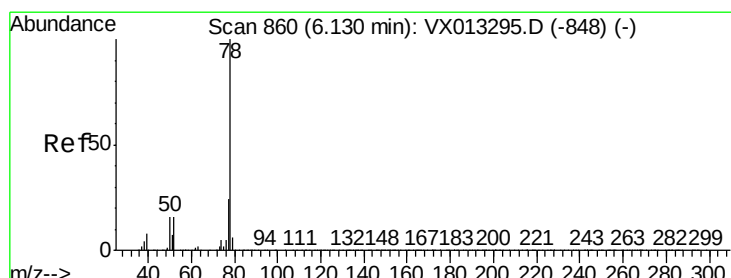
Tot Ion	Ratio	Lower	Upper
83	100		
55	78.8	60.3	90.5
98	50.4	40.3	60.5

Manual Integrations
APPROVED



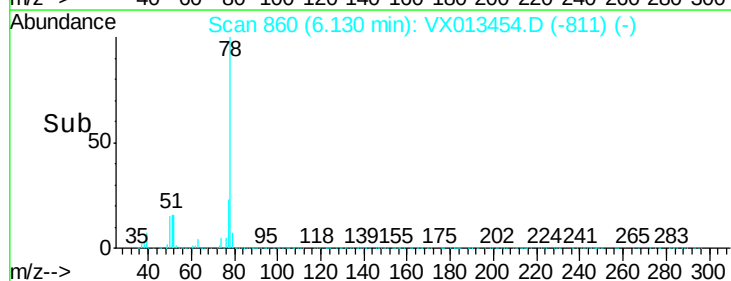
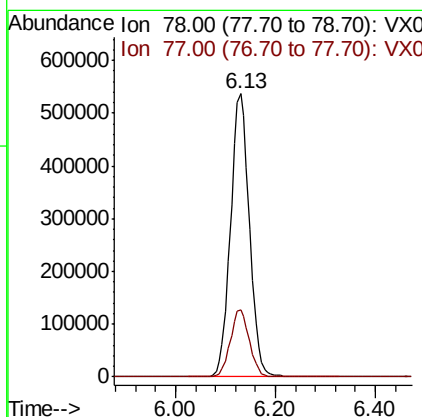
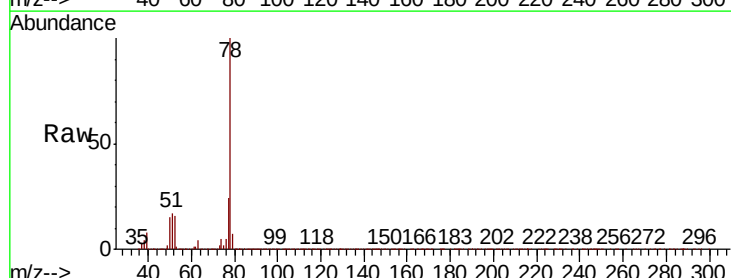
MMDadoda

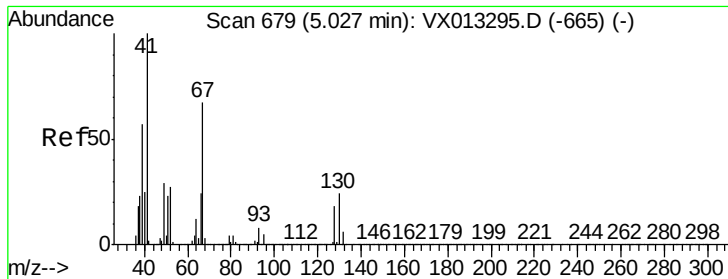
11/20/2019 9:16:05 AM



#40
Benzene
Concen: 52.172 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.5	29.3





#41

Methacrylonitrile

Concen: 51.797 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Instrument :

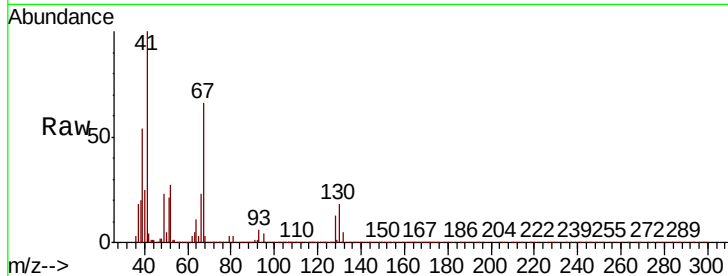
MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
312102	41	100		
	39	53.6	45.0	67.6
	67	69.2	55.4	83.2
	52	27.2	23.1	34.7

Manual Integrations
APPROVED



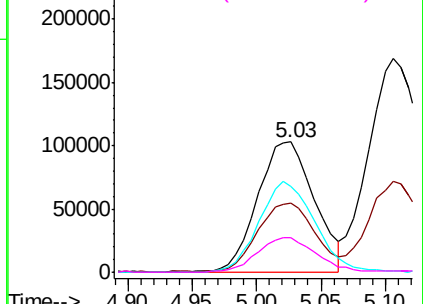
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

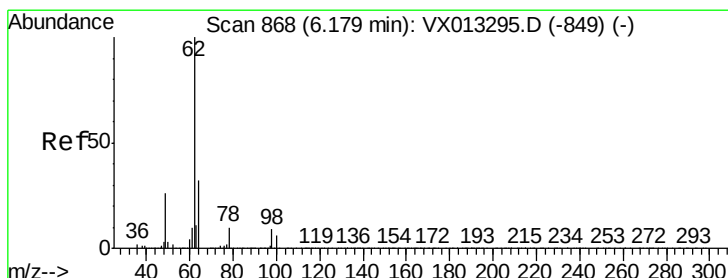
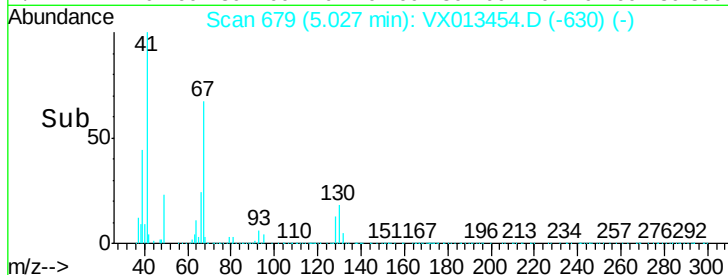
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



MMDadoda

11/20/2019 9:16:05 AM



#42

1,2-Dichloroethane

Concen: 50.644 ug/l

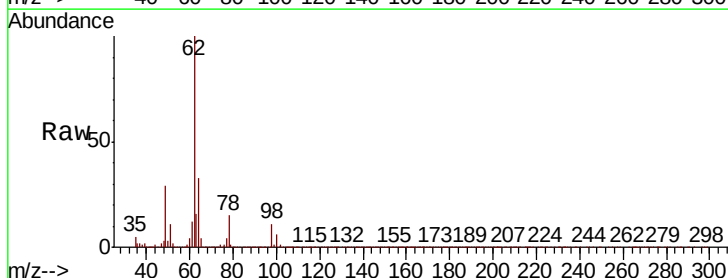
RT: 6.17 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

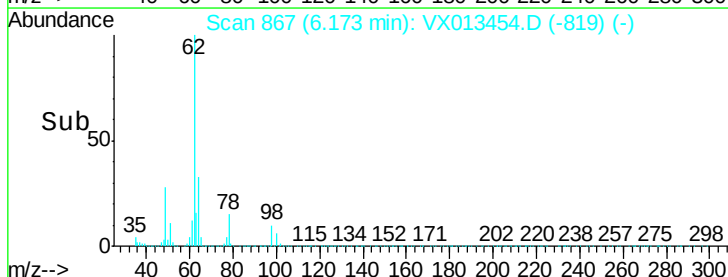
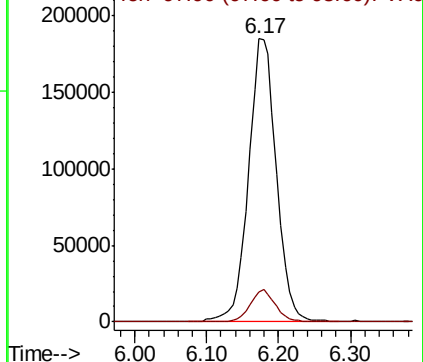
Tgt Ion	Ion	Ratio	Lower	Upper
495048	62	100		
	98	10.5	0.0	19.4

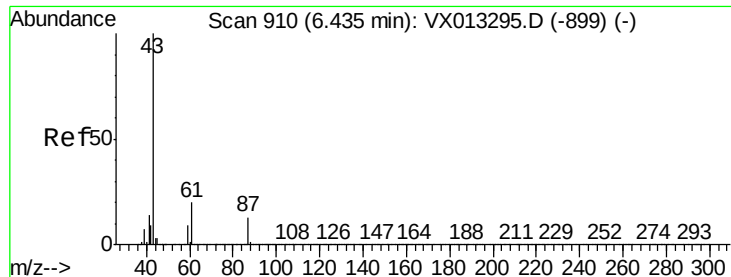


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 53.600 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Instrument :

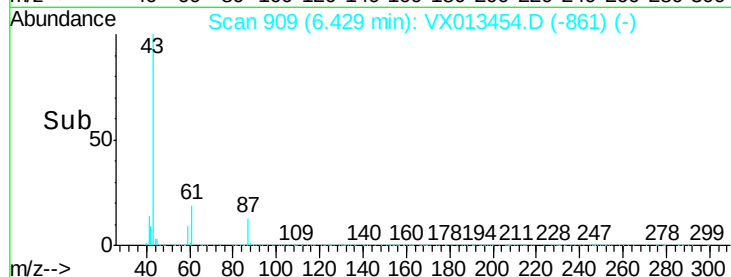
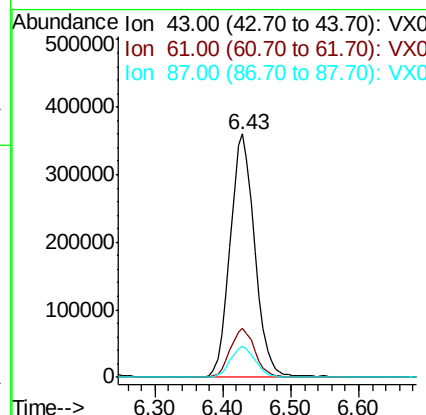
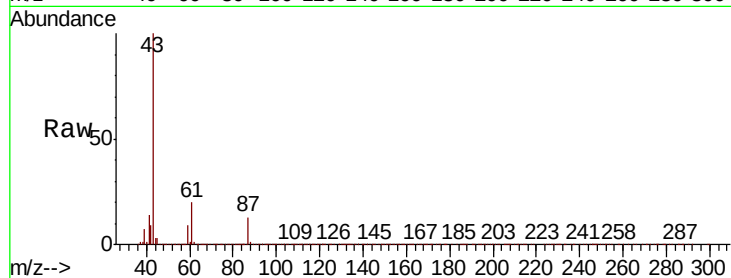
MSVOA_X

ClientSampled :

VSTDCCC050

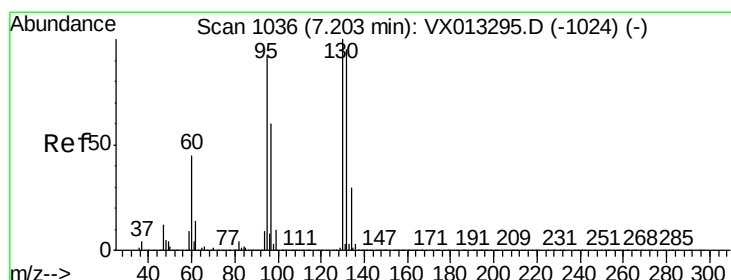
Tot Ion:	43	Resp:	897250
Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.8	23.8
87	12.8	10.4	15.6

Manual Integrations
APPROVED



MMDadoda

11/20/2019 9:16:05 AM



#44

Trichloroethene

Concen: 50.793 ug/l

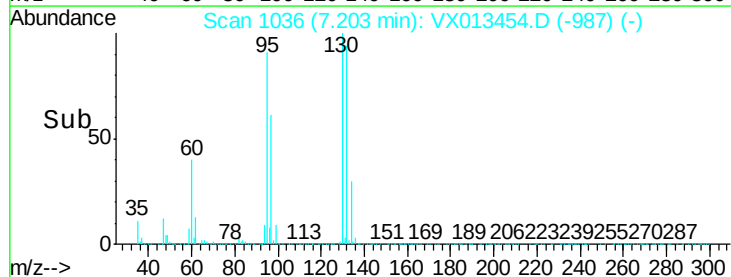
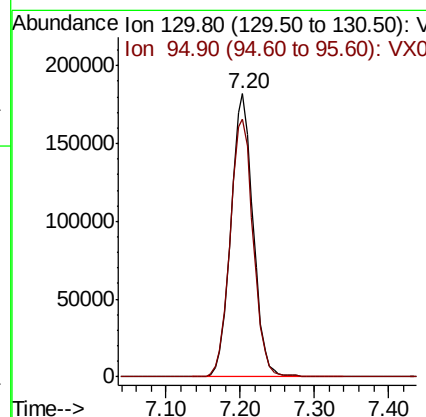
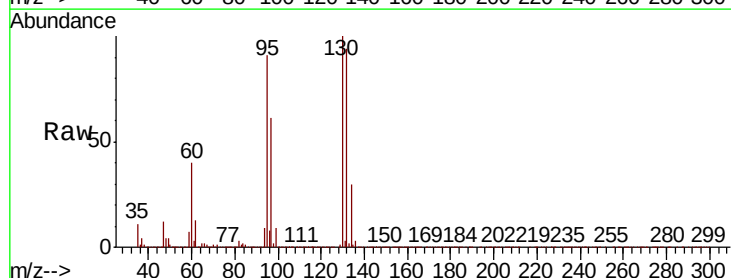
RT: 7.20 min Scan# 1036

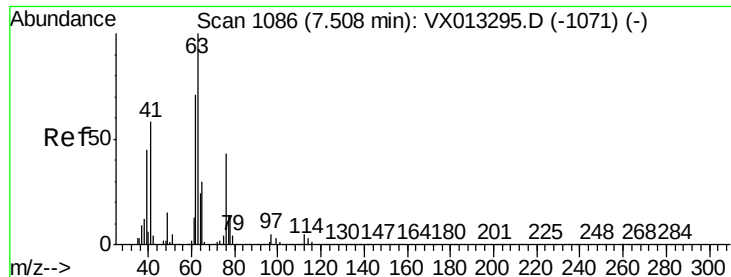
Delta R.T. -0.00 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Tgt Ion:	130	Resp:	378897
Ion	Ratio	Lower	Upper
130	100		
95	90.9	0.0	184.8



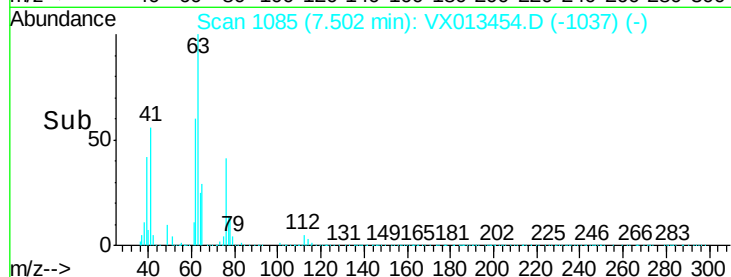
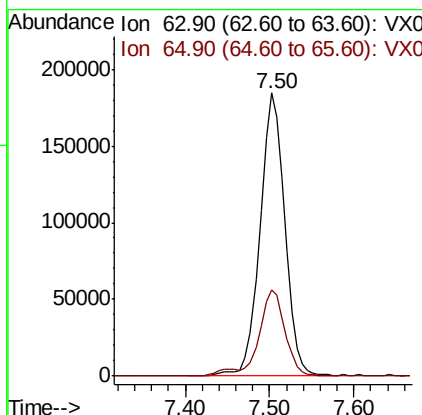
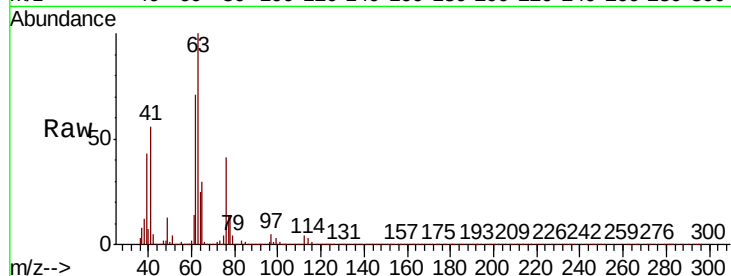


#45
 1,2-Dichloropropane
 Concen: 53.901 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX013454.D
 Acq: 19 Nov 2019 09:55

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

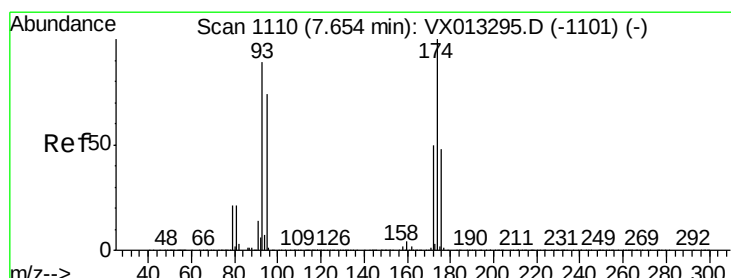
Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.3	36.5

Manual Integrations
 APPROVED



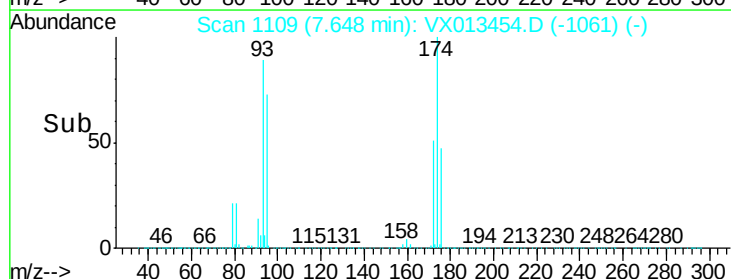
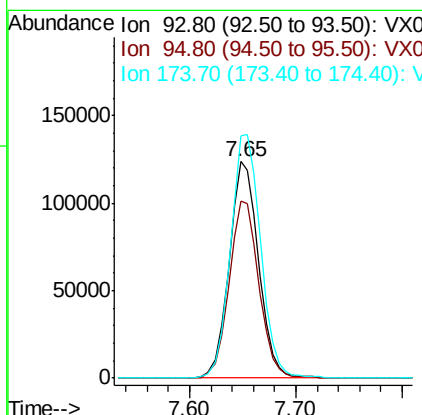
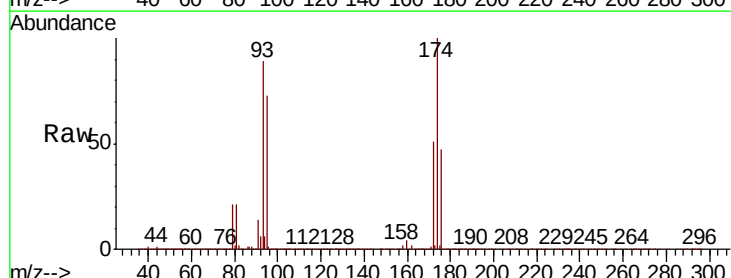
MMDadoda

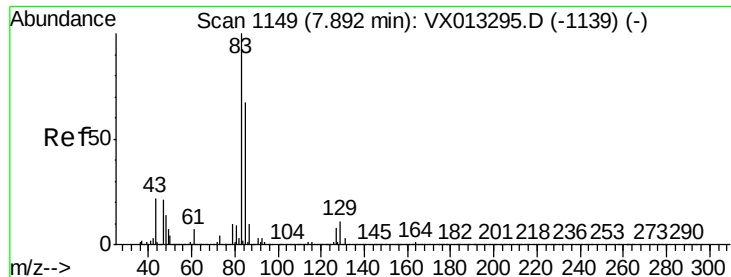
11/20/2019 9:16:05 AM



#46
 Dibromomethane
 Concen: 50.587 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VX013454.D
 Acq: 19 Nov 2019 09:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.8	98.6
174	115.9	90.4	135.6





#47

Bromodichloromethane

Concen: 55.383 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Instrument :

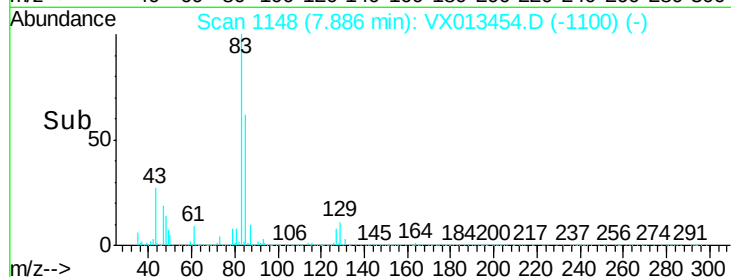
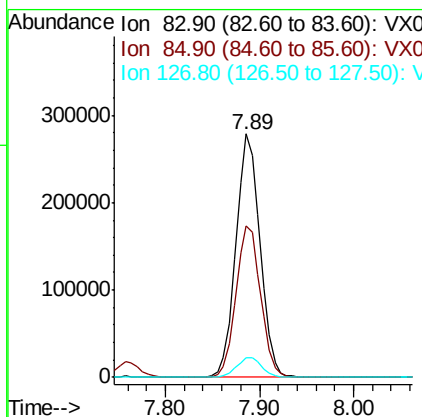
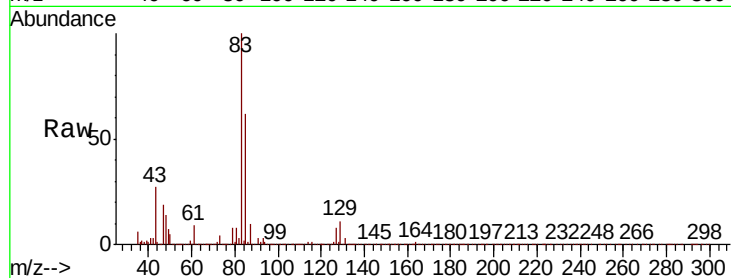
MSVOA_X

ClientSampled :

VSTDCCC050

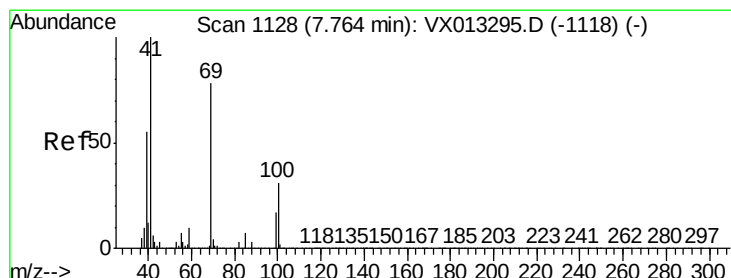
Tot Ion:	83	Resp:	492362
Ion Ratio	Lower	Upper	
83	100		
85	62.2	53.7	80.5
127	7.9	6.4	9.6

Manual Integrations
APPROVED



MMDadoda

11/20/2019 9:16:05 AM



#48

Methyl methacrylate

Concen: 53.415 ug/l

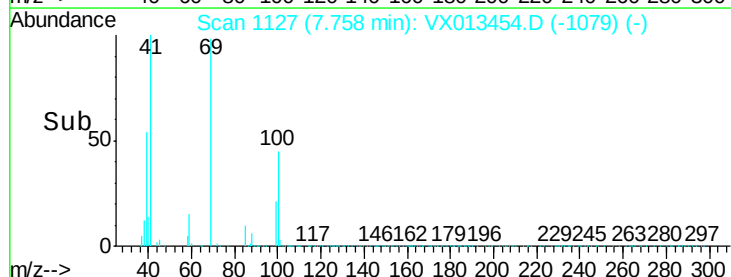
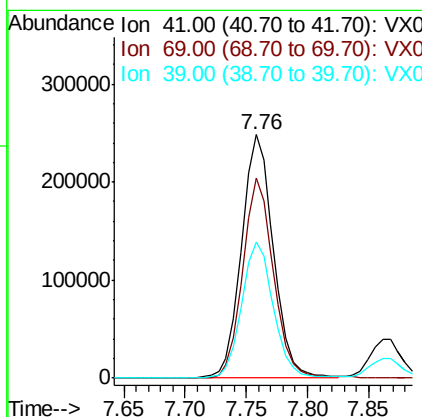
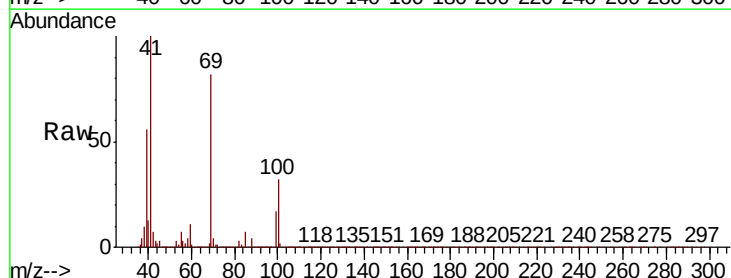
RT: 7.76 min Scan# 1127

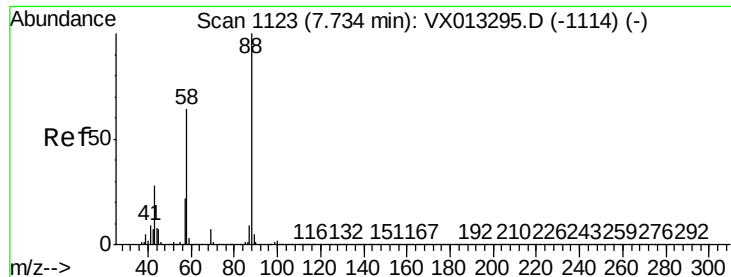
Delta R.T. -0.01 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Tgt Ion:	41	Resp:	446346
Ion Ratio	Lower	Upper	
41	100		
69	80.2	63.0	94.6
39	56.1	45.9	68.9



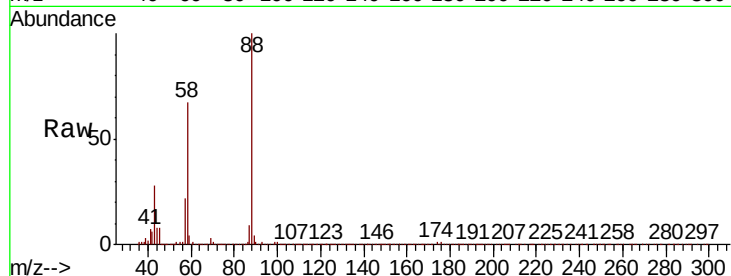


#49
1,4-Dioxane
Concen: 901.192 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

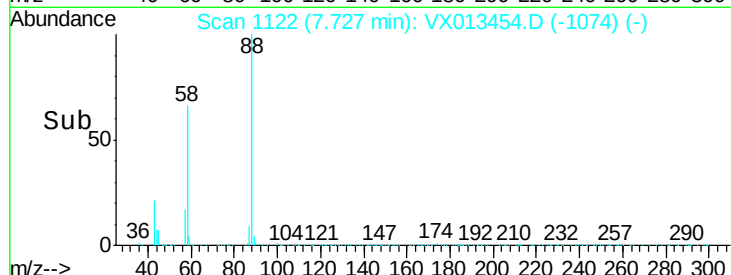
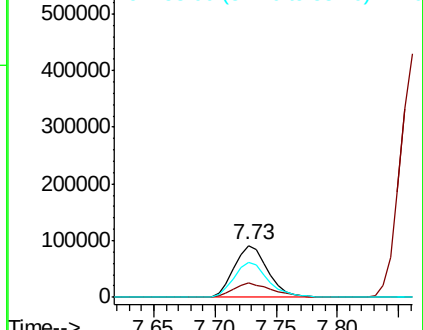
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	172456
Ion Ratio	Lower	Upper	
88	100		
43	33.5	26.6	39.8
58	69.6	55.0	82.6

Manual Integrations
APPROVED

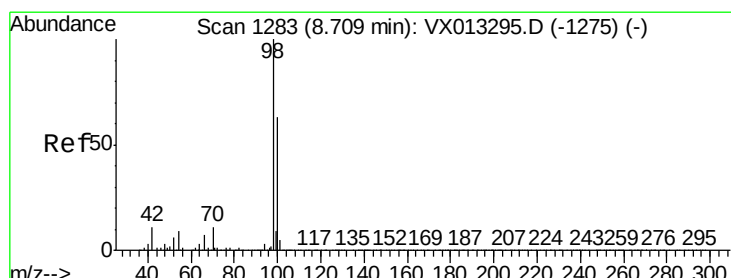


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



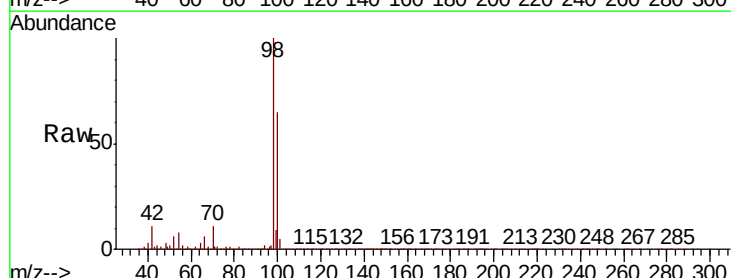
MMDadoda

11/20/2019 9:16:05 AM

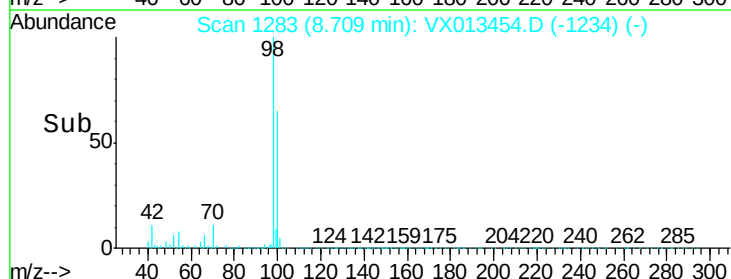
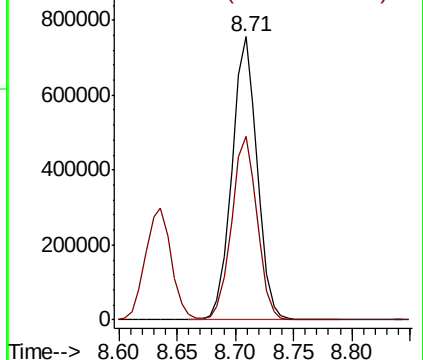


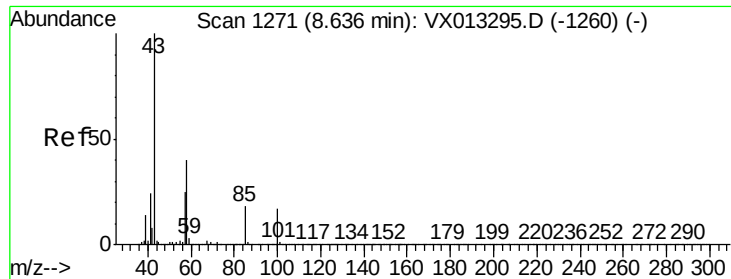
#50
Toluene-d8
Concen: 47.402 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Tgt Ion	98	Resp	1136662
Ion Ratio	Lower	Upper	
98	100		
100	65.7	52.2	78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 256.878 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Tot Ion: 43 Resp: 2821223

Ion Ratio Lower Upper

43 100

58 39.6 31.4 47.0

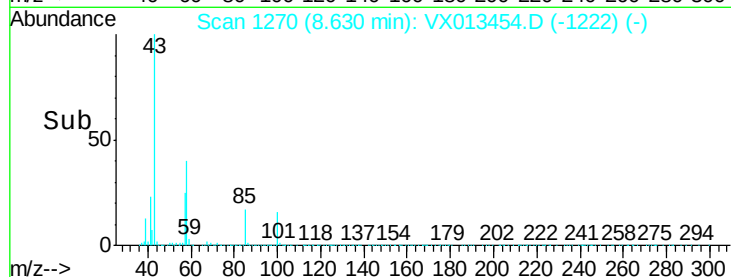
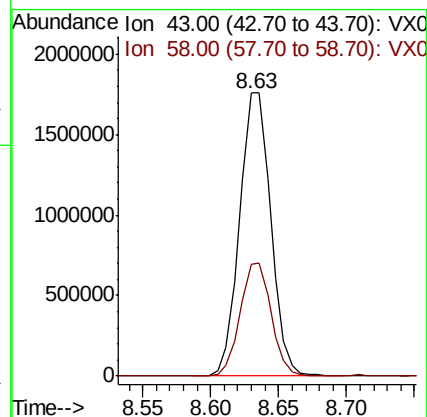
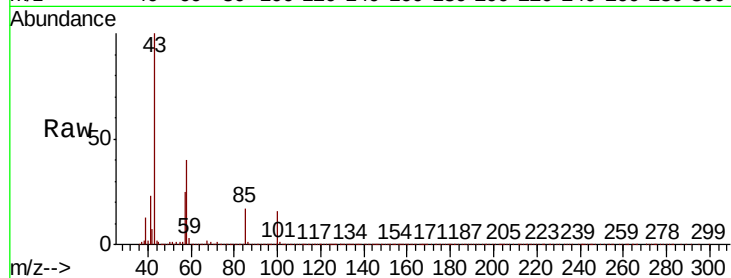
Instrument :

MSVOA_X

ClientSampleId :

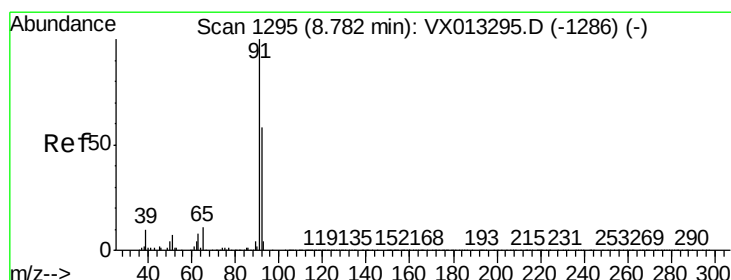
VSTDCCC050

Manual Integrations
APPROVED



MMDadoda

11/20/2019 9:16:05 AM



#52

Toluene

Concen: 52.849 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013454.D

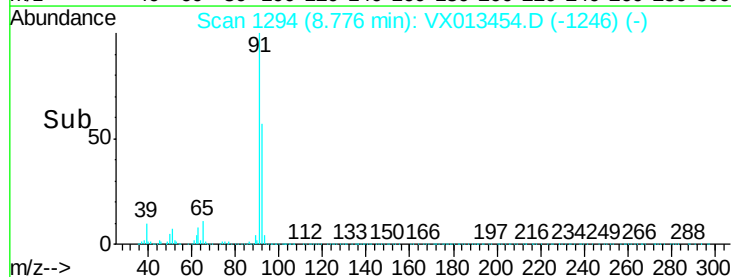
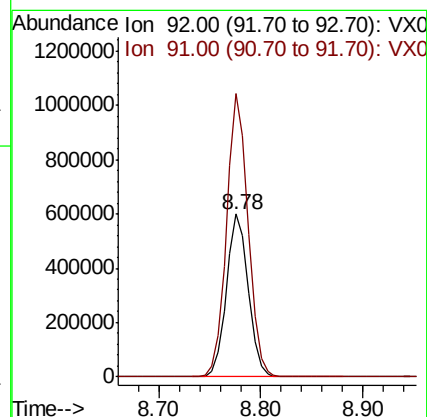
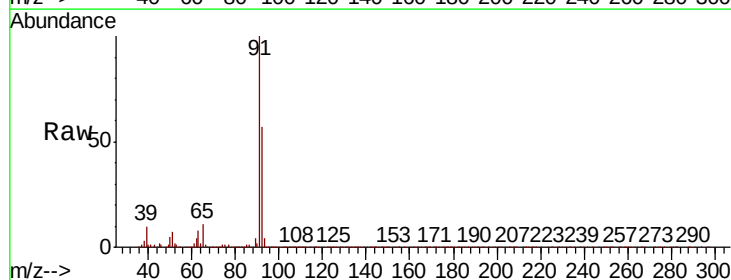
Acq: 19 Nov 2019 09:55

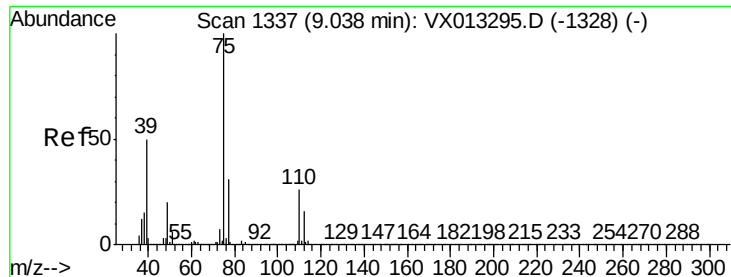
Tgt Ion: 92 Resp: 887665

Ion Ratio Lower Upper

92 100

91 171.8 138.0 207.0



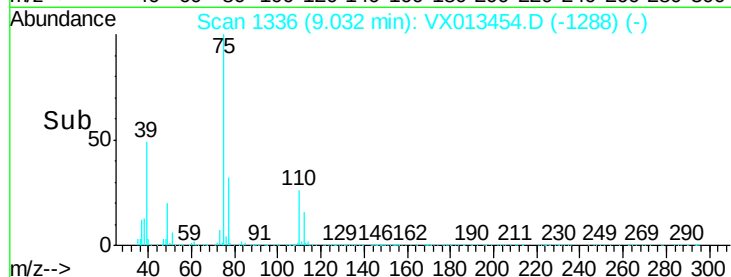
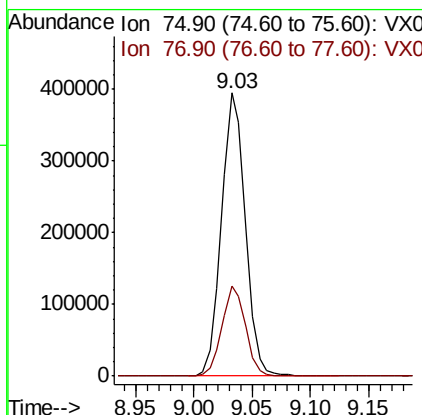
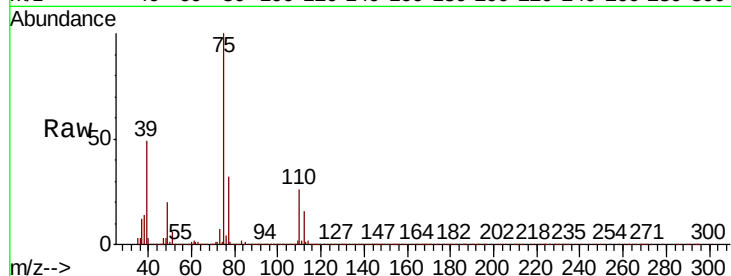


#53
t-1,3-Dichloropropene
Concen: 57.245 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

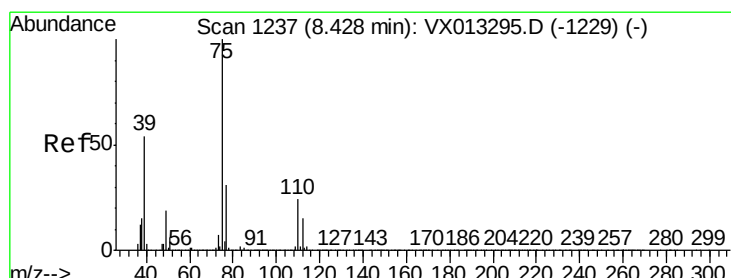
Tot Ion: 75 Resp: 556494
Ion Ratio Lower Upper
75 100
77 31.8 25.0 37.4

Manual Integrations
APPROVED



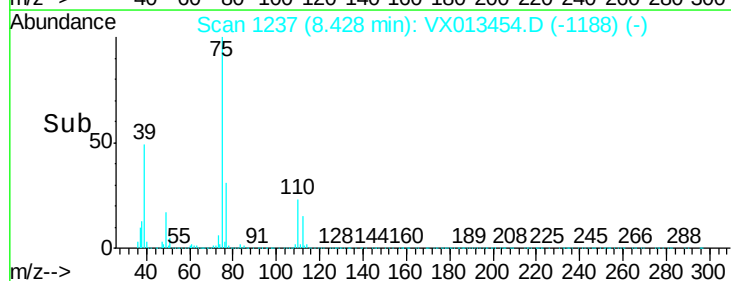
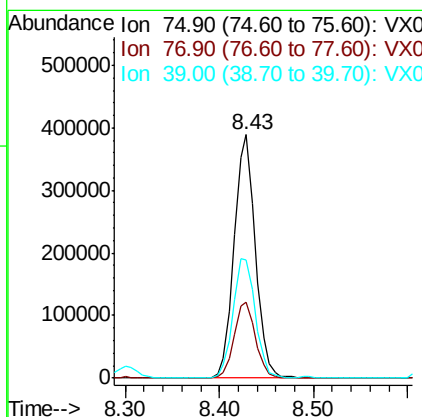
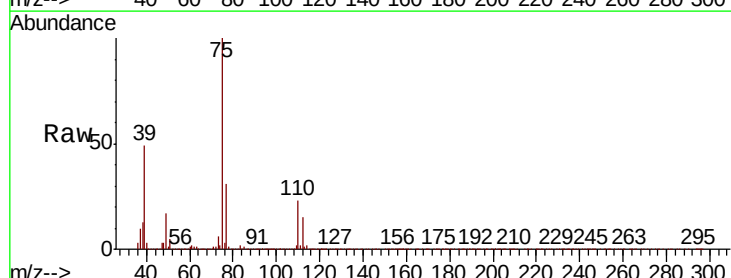
MMDadoda

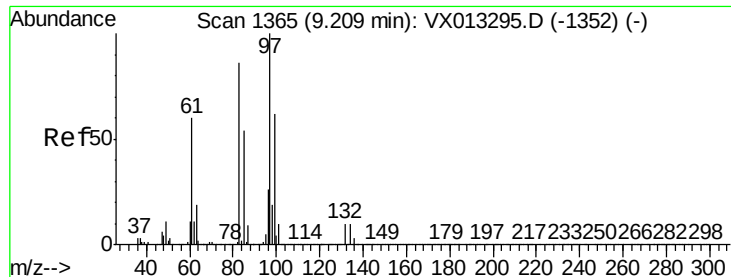
11/20/2019 9:16:05 AM



#54
cis-1,3-Dichloropropene
Concen: 55.620 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Tgt Ion: 75 Resp: 604831
Ion Ratio Lower Upper
75 100
77 31.2 24.7 37.1
39 48.6 43.0 64.6



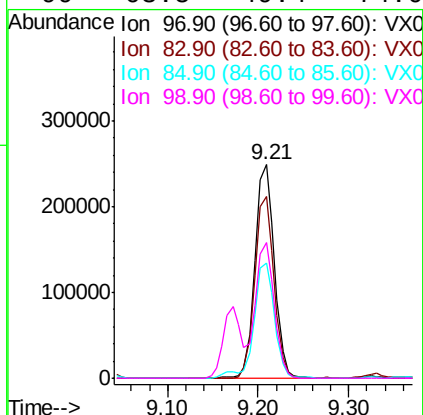
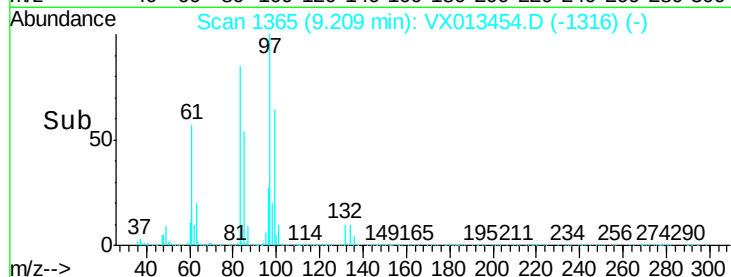
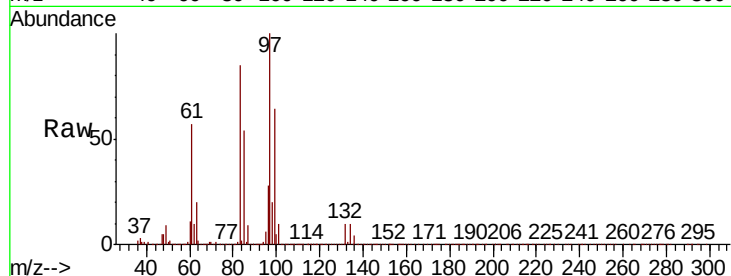


#55
1,1,2-Trichloroethane
Concen: 52.900 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

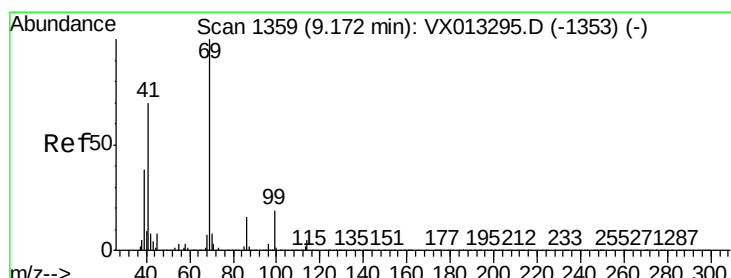
Tot Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.6	103.0
85	53.8	43.1	64.7
99	63.5	49.4	74.0

Manual Integrations
APPROVED



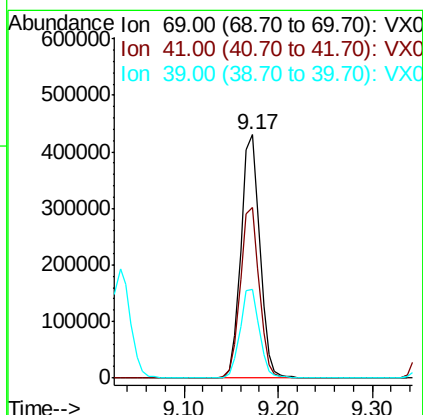
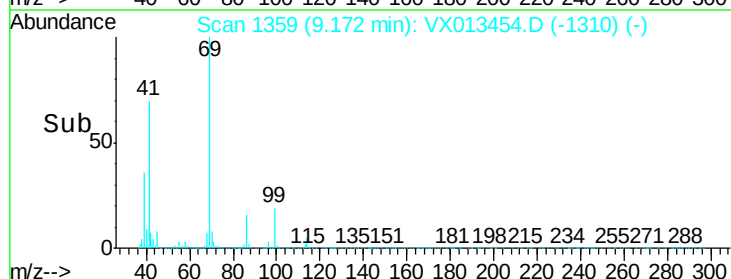
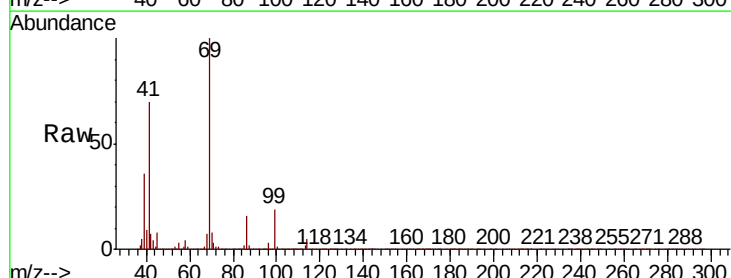
MMDadoda

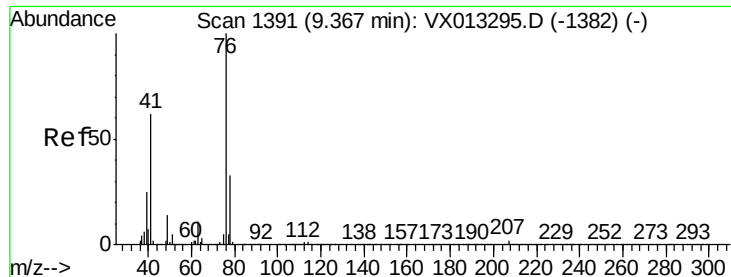
11/20/2019 9:16:05 AM



#56
Ethyl methacrylate
Concen: 50.677 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.0	56.2	84.2
39	37.0	31.1	46.7





#57

1,3-Dichloropropane

Concen: 52.364 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Tot Ion: 76 Resp: 618833

Ion Ratio Lower Upper

76 100

78 32.8 25.8 38.6

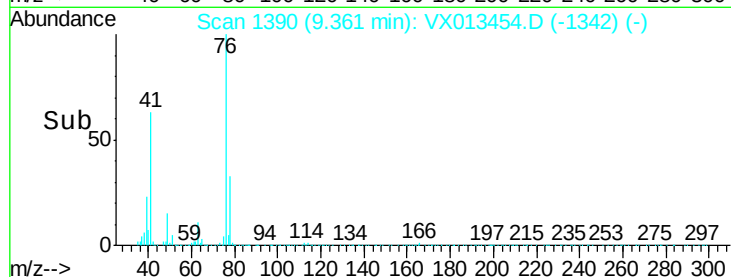
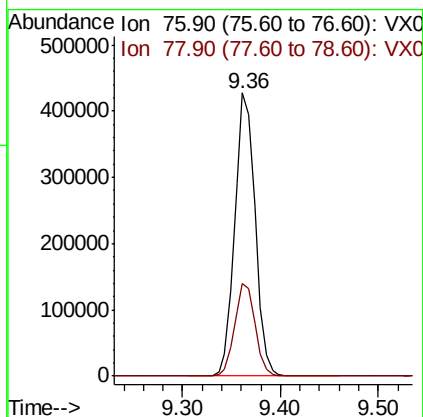
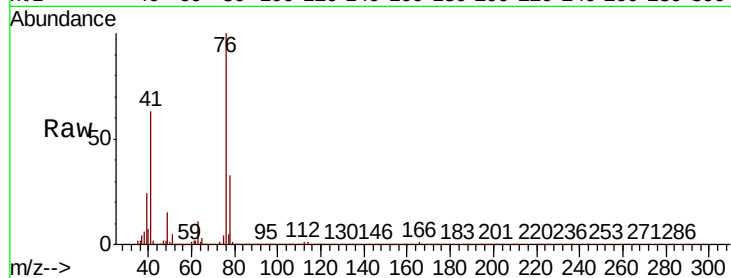
Instrument :

MSVOA_X

ClientSampled :

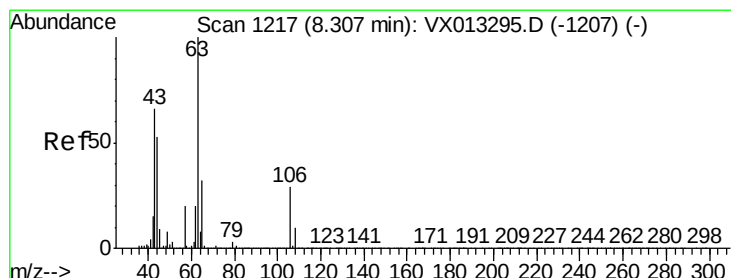
VSTDCCC050

Manual Integrations
APPROVED



MM Dadoda

11/20/2019 9:16:05 AM



#58

2-Chloroethyl Vinyl ether

Concen: 272.393 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX013454.D

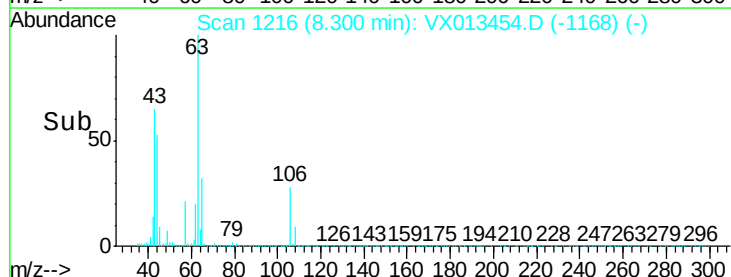
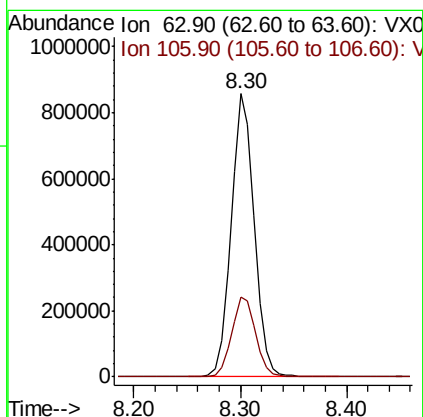
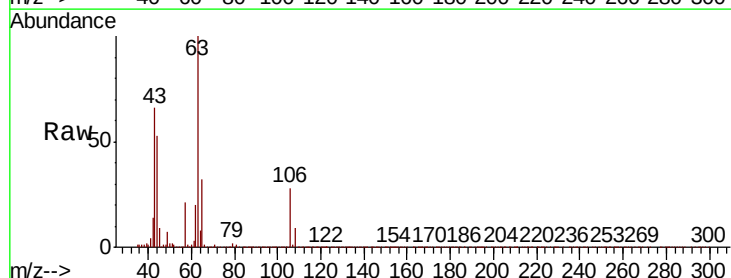
Acq: 19 Nov 2019 09:55

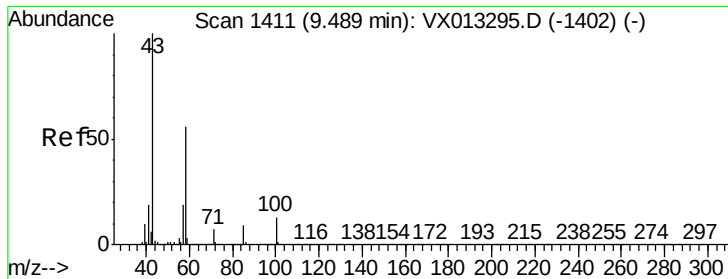
Tgt Ion: 63 Resp: 1296638

Ion Ratio Lower Upper

63 100

106 29.2 23.4 35.2



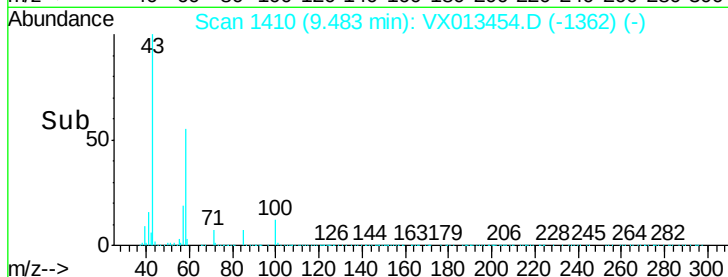
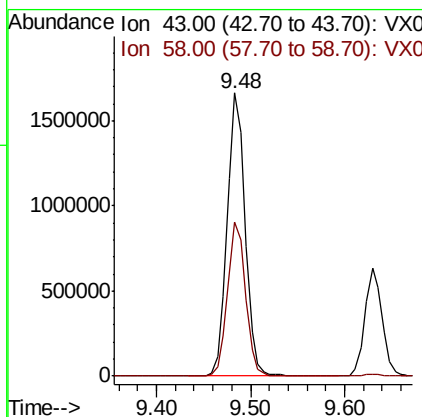
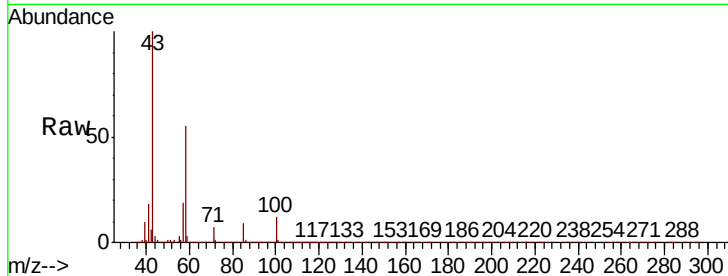


#59
2-Hexanone
Concen: 259.135 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

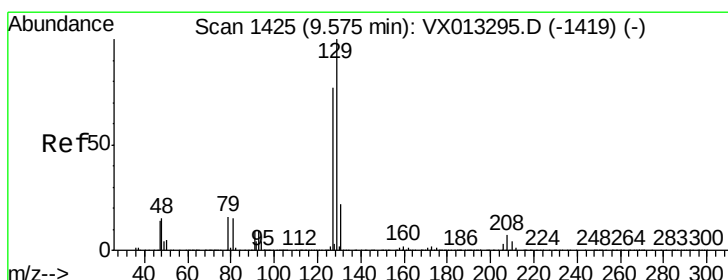
Tot Ion: 43 Resp: 2199336
Ion Ratio Lower Upper
43 100
58 55.0 27.3 81.8

Manual Integrations
APPROVED



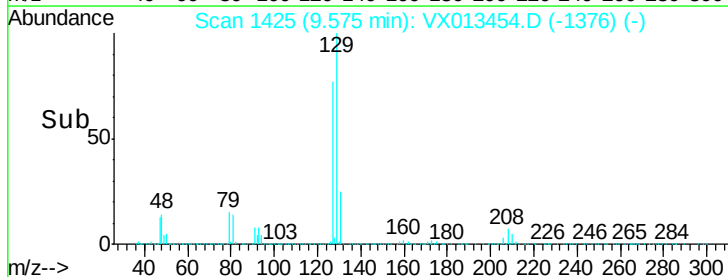
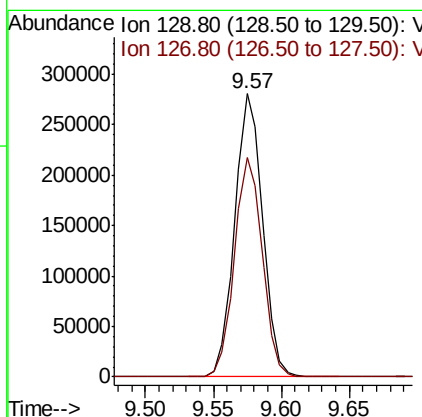
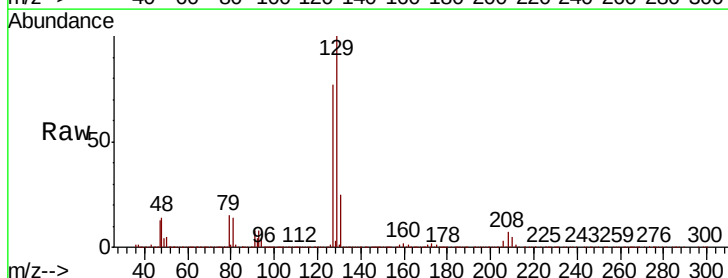
MMDadoda

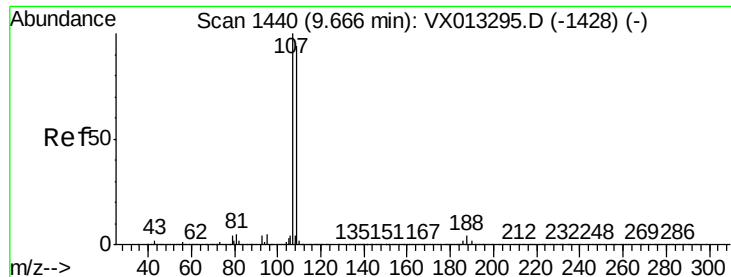
11/20/2019 9:16:05 AM



#60
Dibromochloromethane
Concen: 56.237 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Tgt Ion: 129 Resp: 400410
Ion Ratio Lower Upper
129 100
127 77.5 39.1 117.2





#61

1,2-Dibromoethane

Concen: 52.180 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Tot Ion: 107 Resp: 385749

Ion Ratio Lower Upper

107 100

109 94.7 75.1 112.7

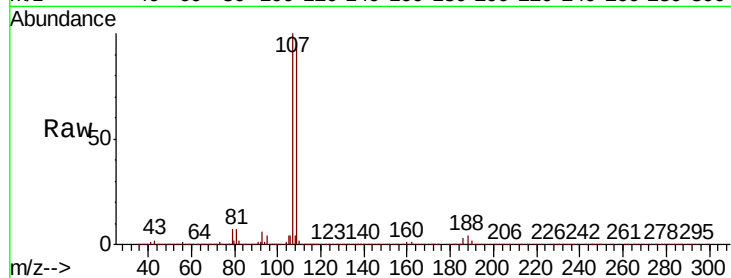
Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Manual Integrations
APPROVED



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

300000

250000

200000

150000

100000

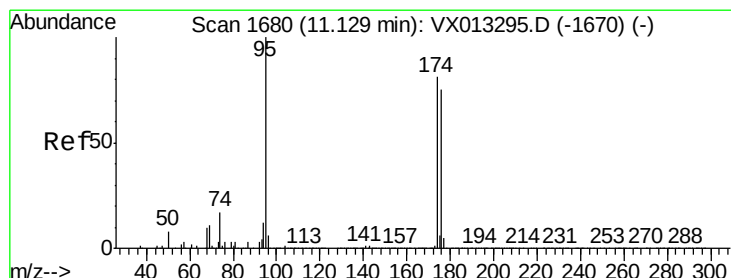
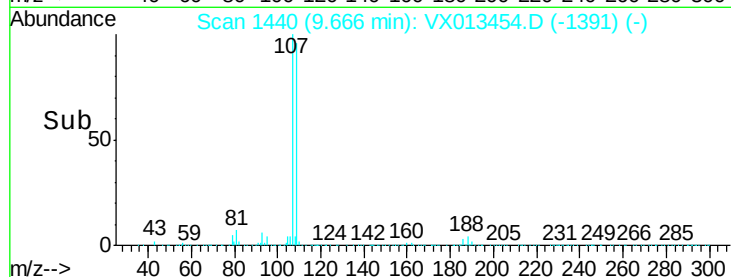
50000

0

Time-->

MMDadoda

11/20/2019 9:16:05 AM



#62

4-Bromofluorobenzene

Concen: 47.955 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

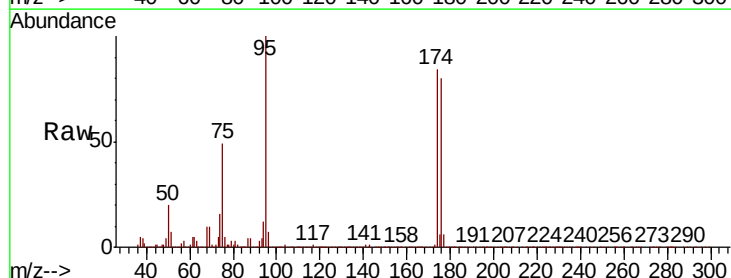
Tgt Ion: 95 Resp: 415006

Ion Ratio Lower Upper

95 100

174 88.3 0.0 179.8

176 84.7 0.0 173.0



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

400000

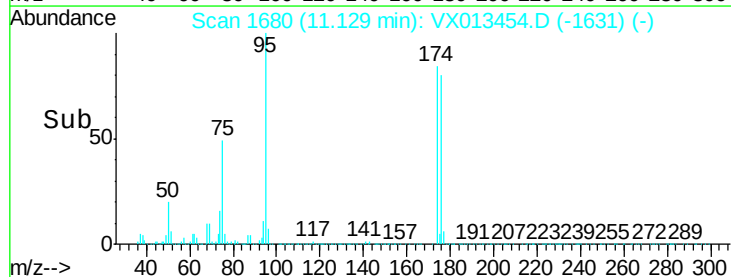
300000

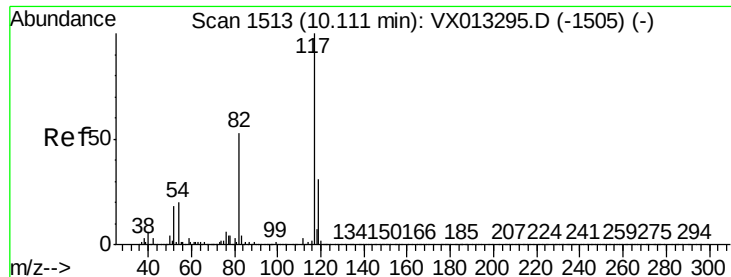
200000

100000

0

Time-->



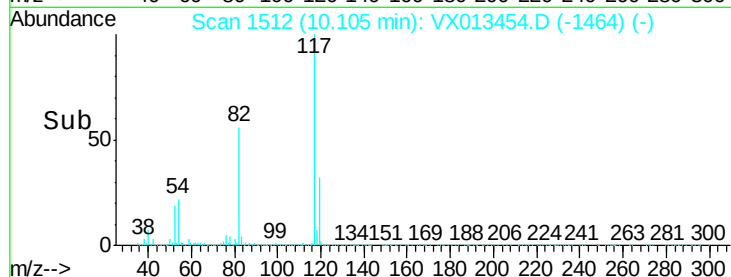
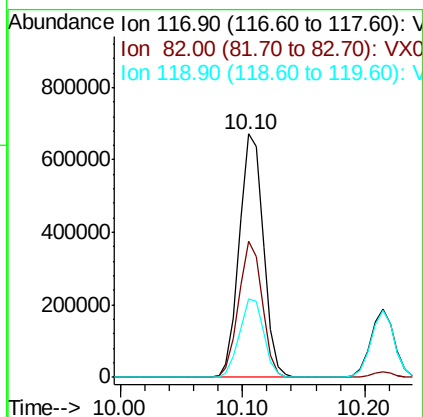
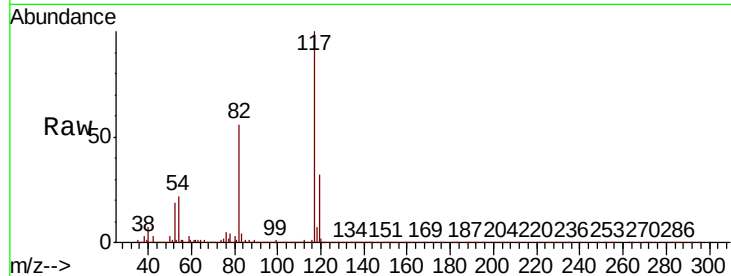


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

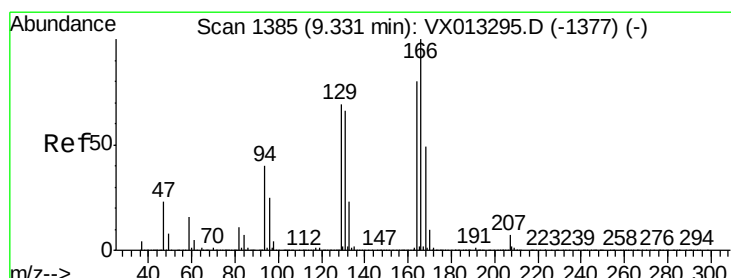
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	42.6	64.0
119	32.4	24.8	37.2

Manual Integrations
APPROVED



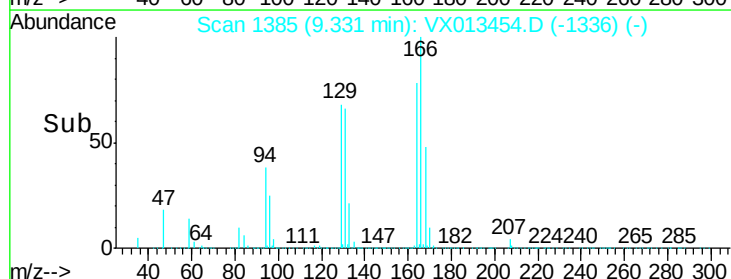
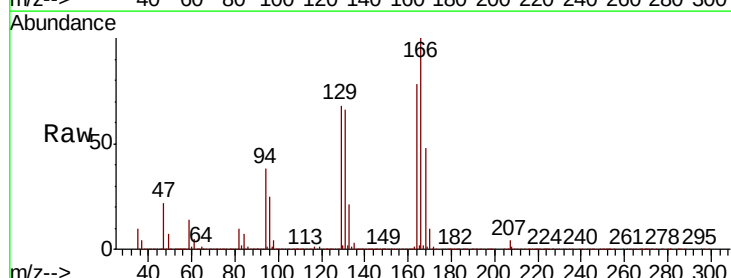
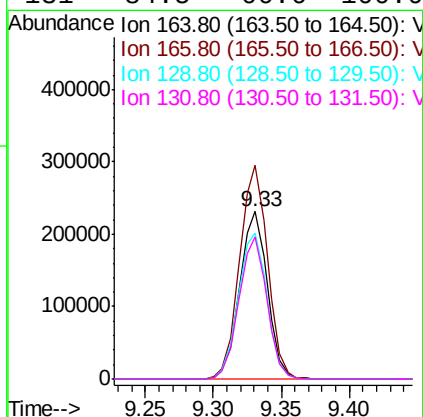
MMDadoda

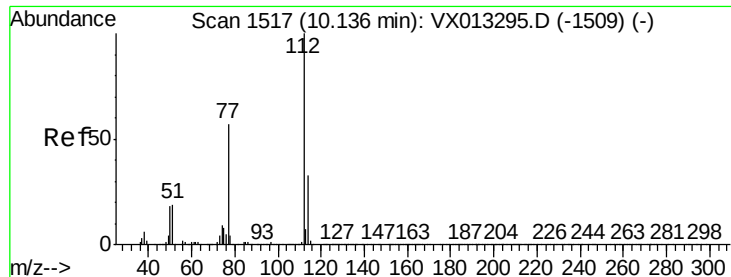
11/20/2019 9:16:05 AM



#64
Tetrachloroethene
Concen: 50.562 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	100.4	150.6
129	87.2	69.4	104.2
131	84.5	66.6	100.0



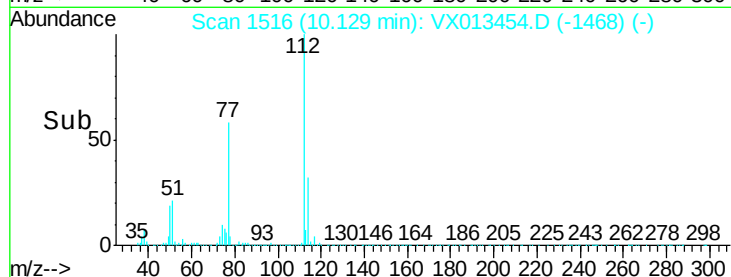
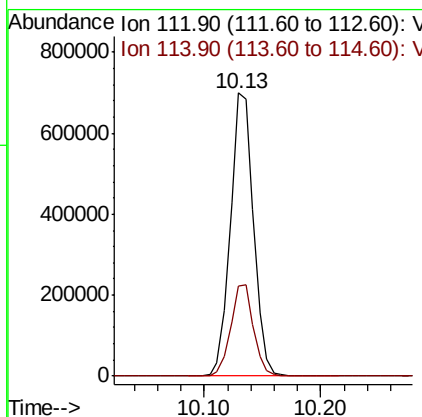
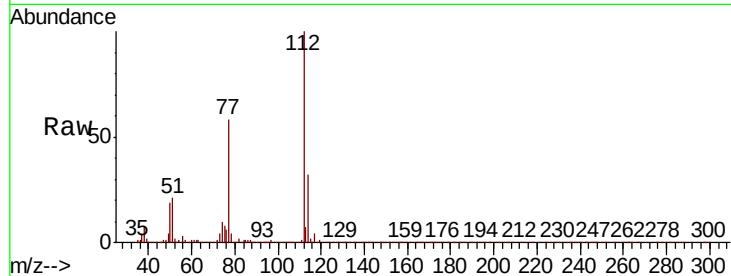


#65
Chlorobenzene
Concen: 52.382 ug/l
RT: 10.13 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

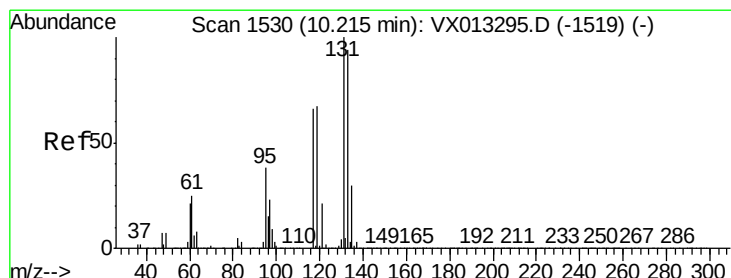
Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.4	39.6

Manual Integrations
APPROVED



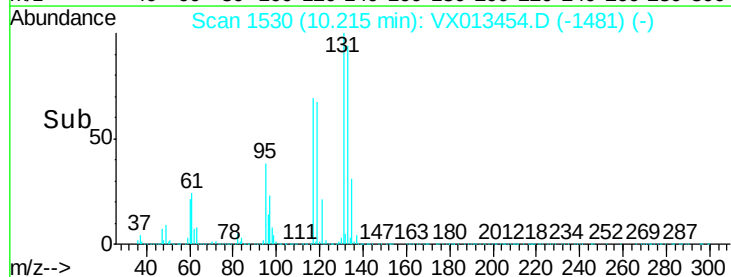
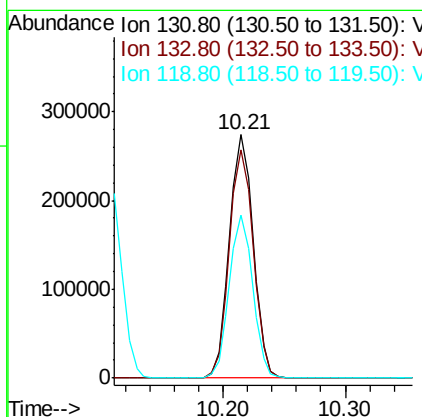
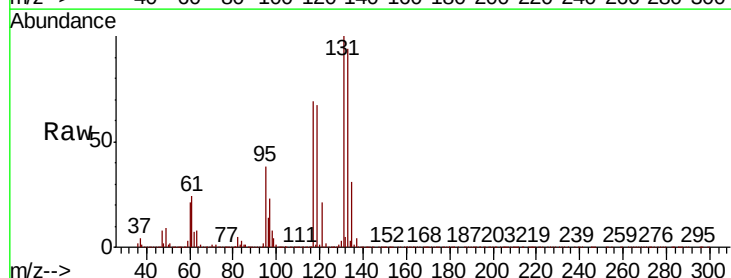
MMDadoda

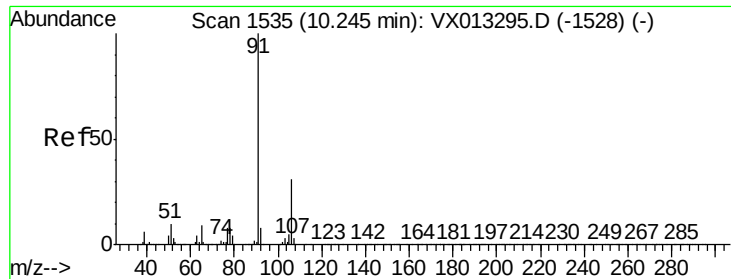
11/20/2019 9:16:05 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.448 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	48.0	144.0
119	66.0	33.0	99.0





#67

Ethyl Benzene

Concen: 53.662 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

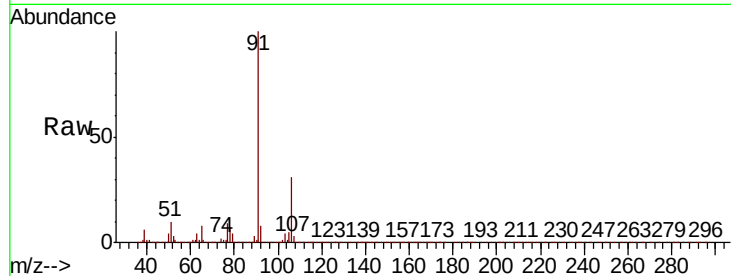
Tot Ion: 91 Resp: 1708335

Ion Ratio Lower Upper

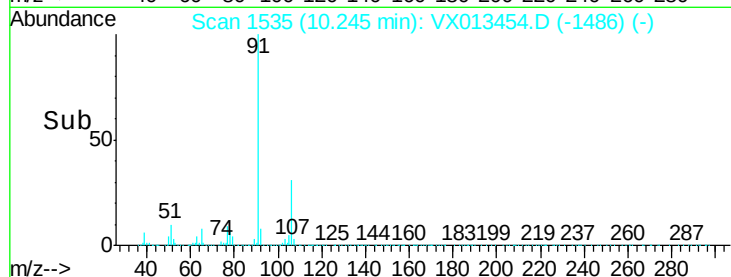
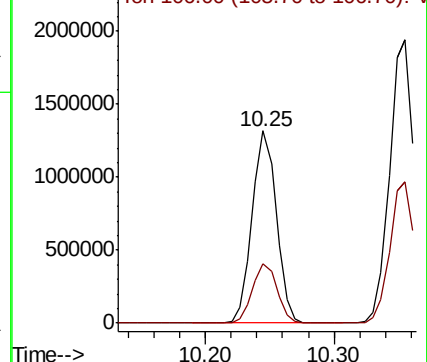
91 100

106 30.6 24.6 36.8

Manual Integrations
APPROVED

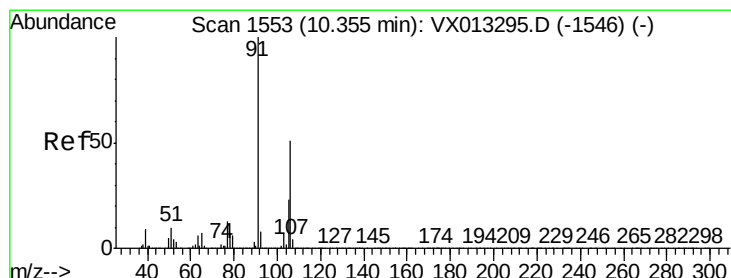


Abundance Ion 91.00 (90.70 to 91.70): VX013295.D (-1528) (-)



MMDadoda

11/20/2019 9:16:05 AM



#68

m/p-Xylenes

Concen: 107.626 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013454.D

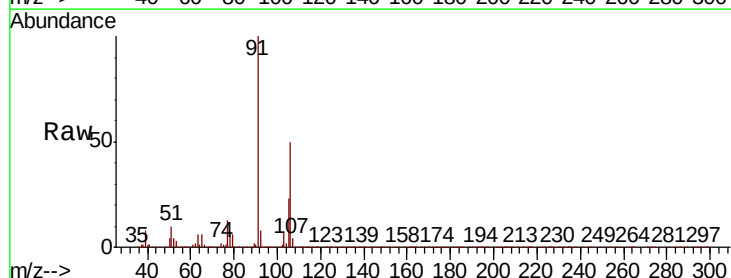
Acq: 19 Nov 2019 09:55

Tgt Ion: 106 Resp: 1295790

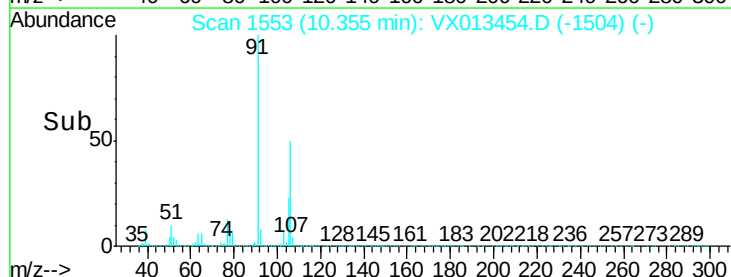
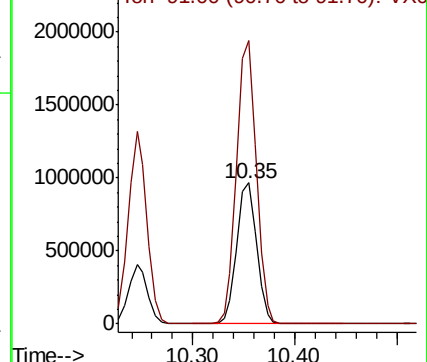
Ion Ratio Lower Upper

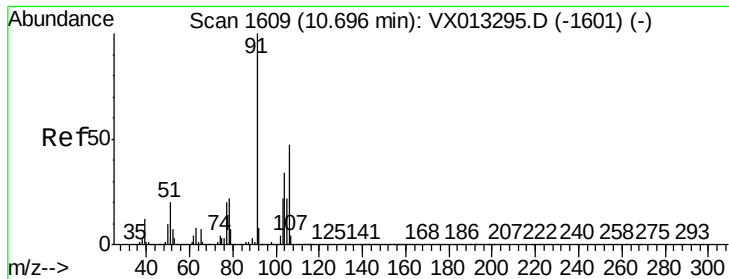
106 100

91 200.2 159.3 238.9



Abundance Ion 106.00 (105.70 to 106.70): VX013295.D (-1546) (-)



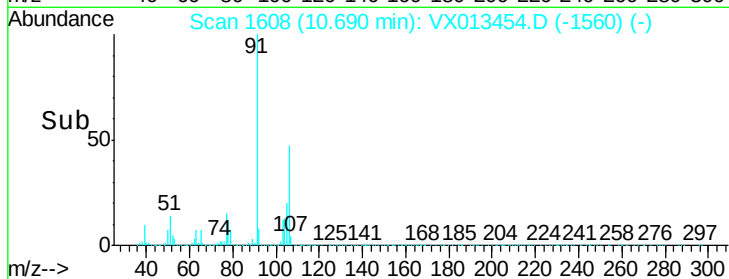
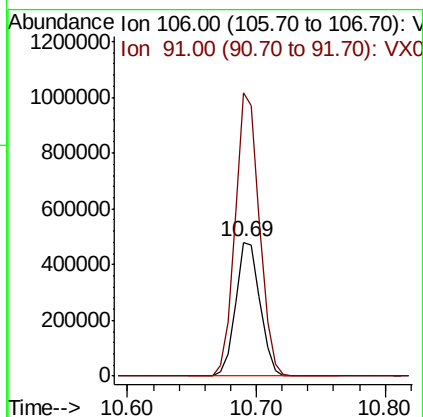
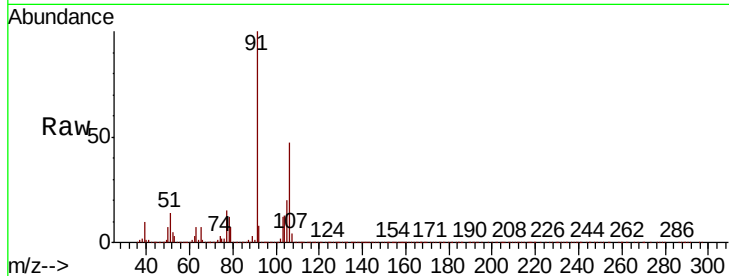


#69
o-Xylene
Concen: 53.728 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

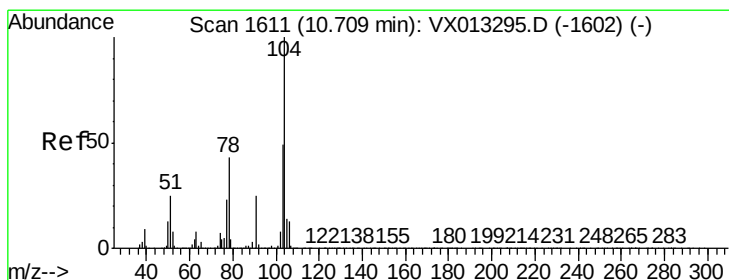
Tot Ion	Ratio	Lower	Upper
106	100		
91	209.8	105.7	317.0

Manual Integrations
APPROVED



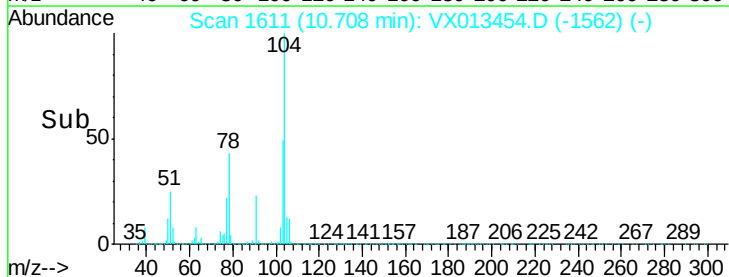
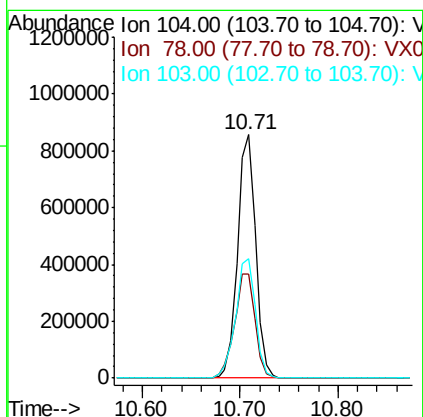
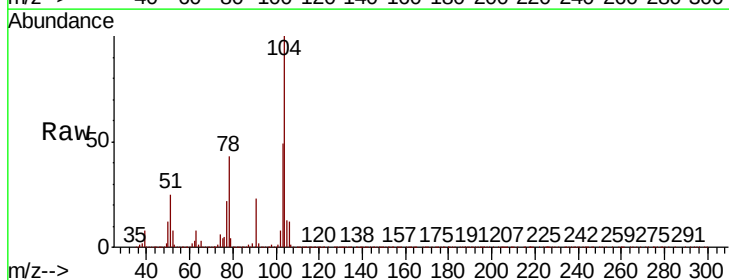
MMDadoda

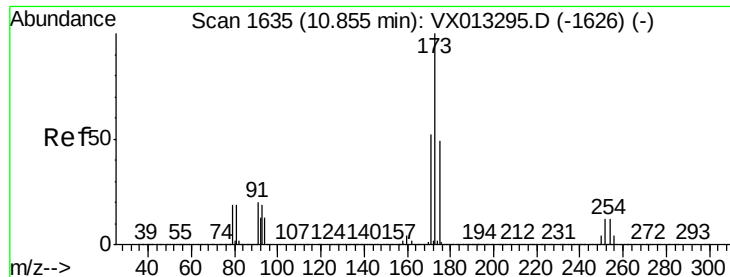
11/20/2019 9:16:05 AM



#70
Styrene
Concen: 55.654 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.6	40.0	60.0
103	54.0	44.1	66.1





#71

Bromoform

Concen: 49.255 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:173 Resp: 308987

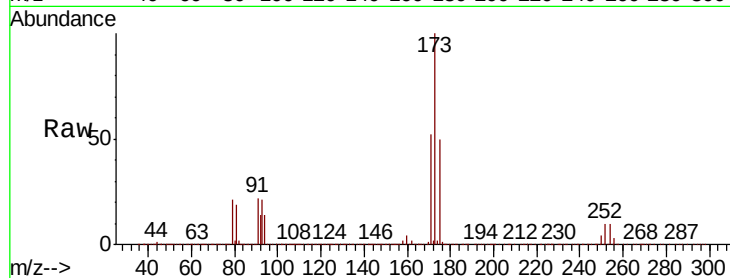
Ion Ratio Lower Upper

173 100

175 49.6 24.8 74.4

254 0.2 0.2 0.2

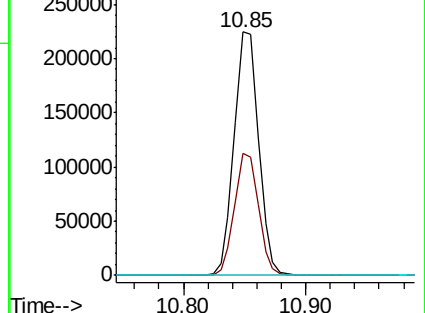
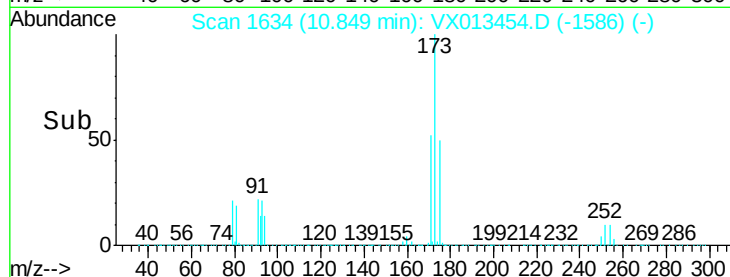
Manual Integrations
APPROVED



Abundance Ion 172.70 (172.40 to 173.40): V

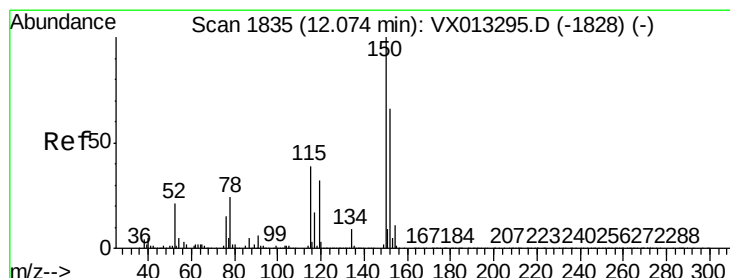
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



MMDadoda

11/20/2019 9:16:05 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

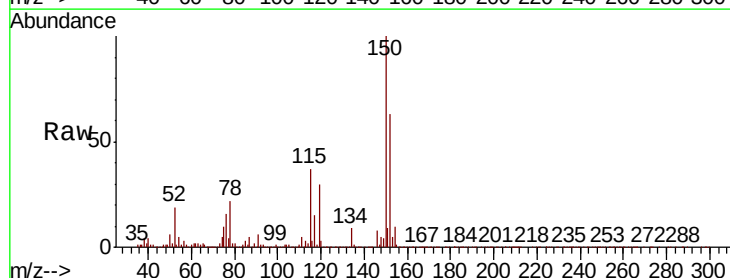
Tgt Ion:152 Resp: 463409

Ion Ratio Lower Upper

152 100

115 80.0 39.5 118.3

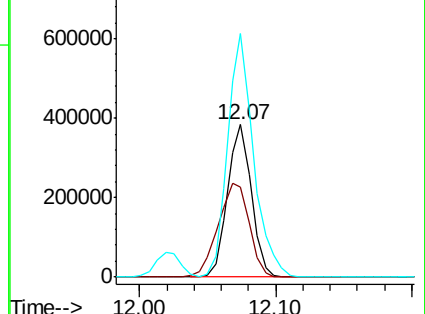
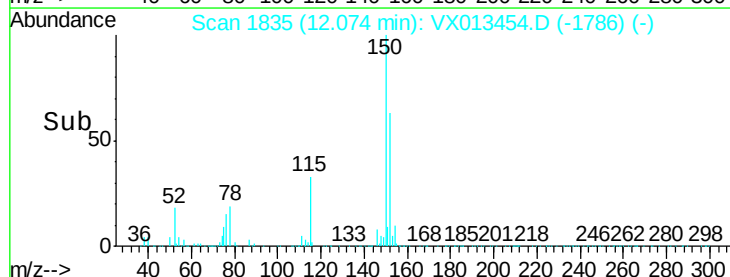
150 174.1 0.0 344.4

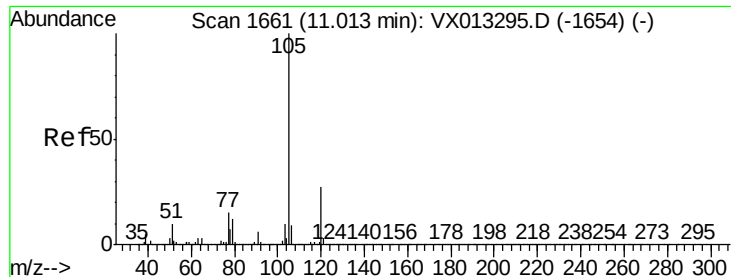


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



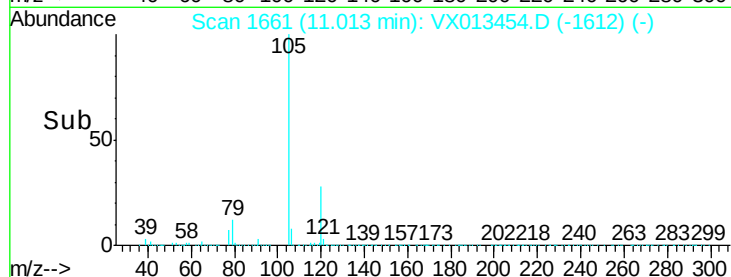
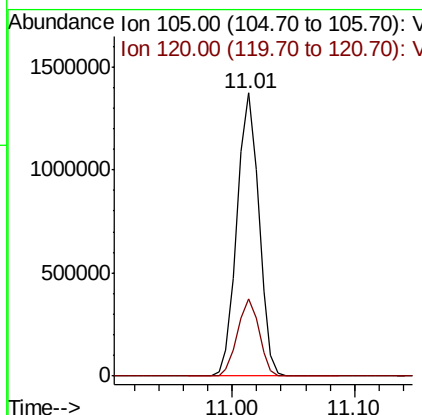
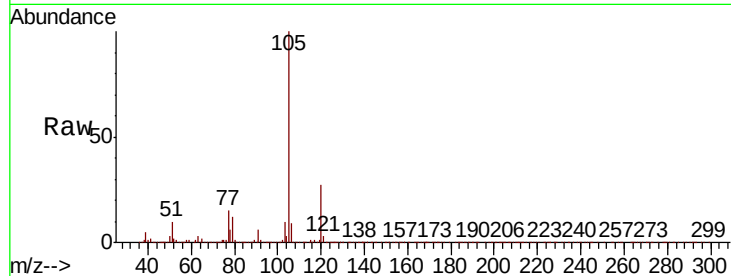


#73
Isopropylbenzene
Concen: 54.955 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

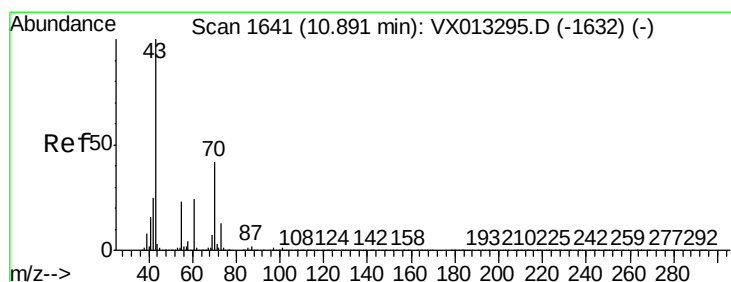
Tot Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.5	40.5

Manual Integrations
APPROVED



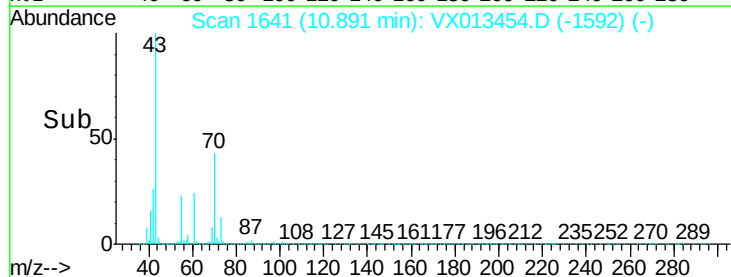
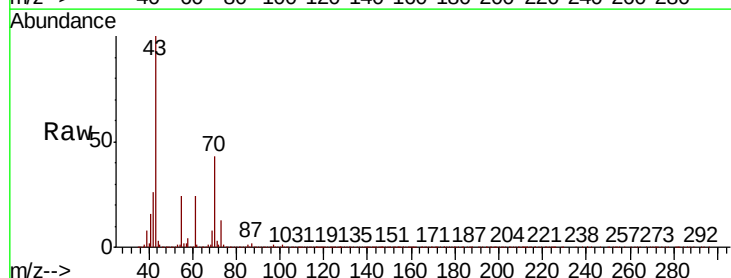
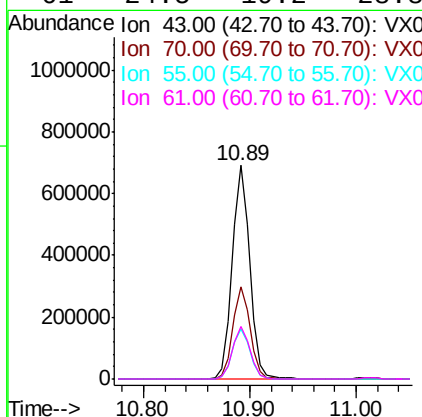
MMDadoda

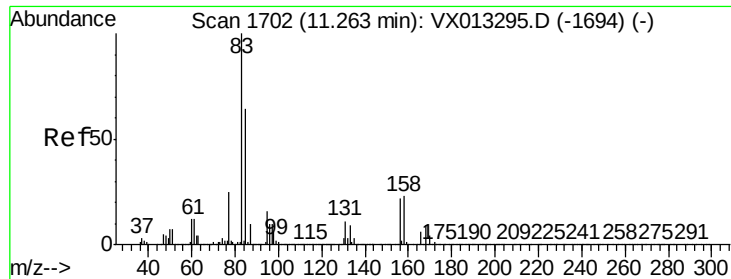
11/20/2019 9:16:05 AM



#74
N-ethyl acetate
Concen: 56.163 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.9	34.1	51.1
55	24.0	18.9	28.3
61	24.5	19.2	28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 53.506 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Instrument :

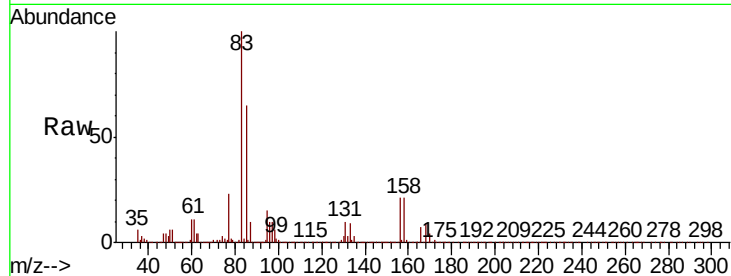
MSVOA_X

ClientSampleId :

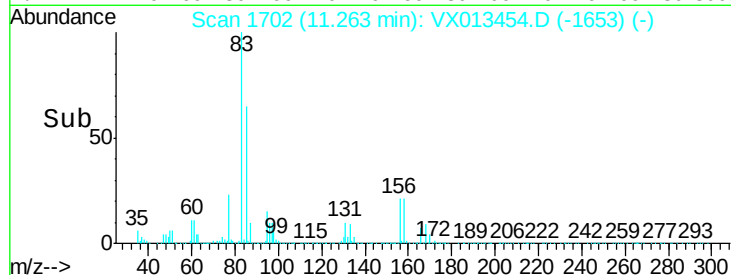
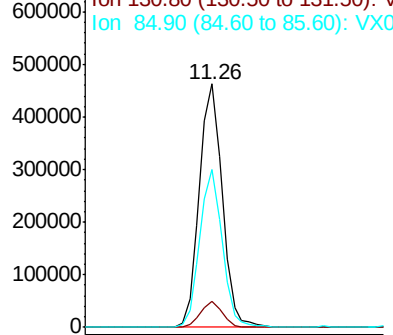
VSTDCCC050

Tot Ion:	83	Resp:	599742
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.3
85	63.6	32.3	96.8

Manual Integrations
APPROVED

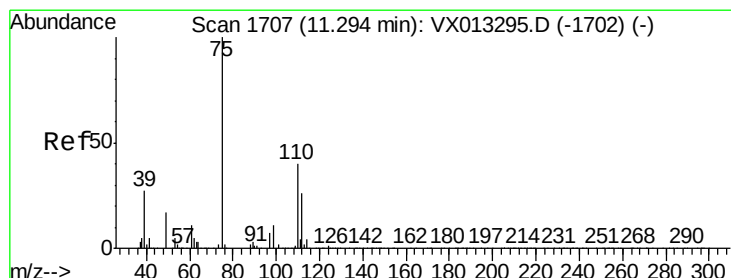


Abundance Ion 82.90 (82.60 to 83.60): VX013454.D (-1653) (-)



MMDadoda

11/20/2019 9:16:05 AM



#76

1,2,3-Trichloropropane

Concen: 51.353 ug/l m

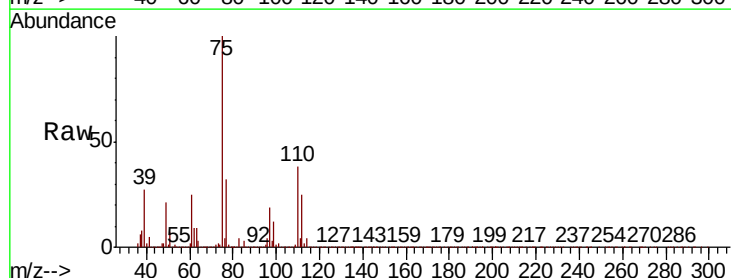
RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

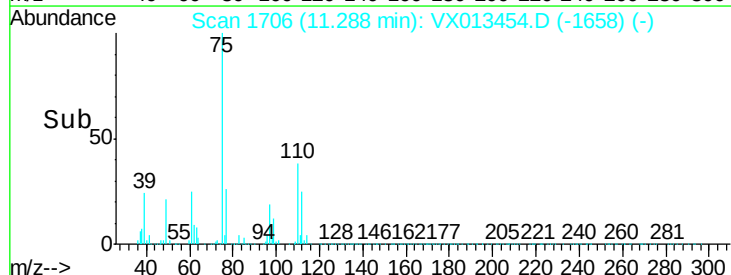
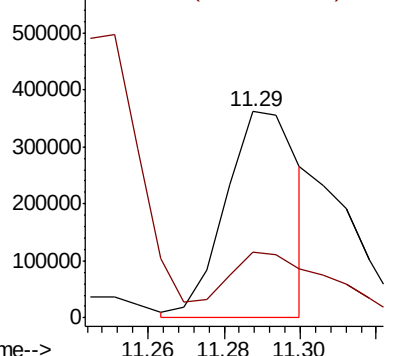
Lab File: VX013454.D

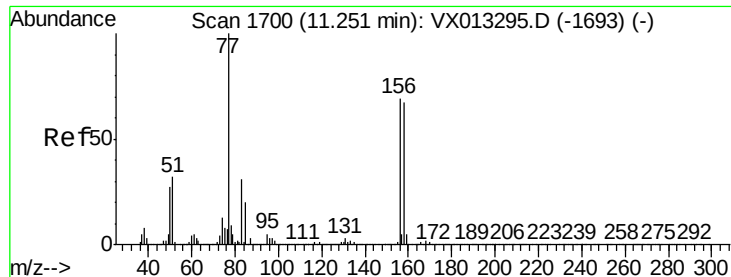
Acq: 19 Nov 2019 09:55

Tgt Ion:	75	Resp:	483359
Ion Ratio	Lower	Upper	
75	100		
77	45.3	22.3	66.8



Abundance Ion 74.90 (74.60 to 75.60): VX013454.D (-1658) (-)





#77

Bromobenzene

Concen: 54.036 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Instrument :

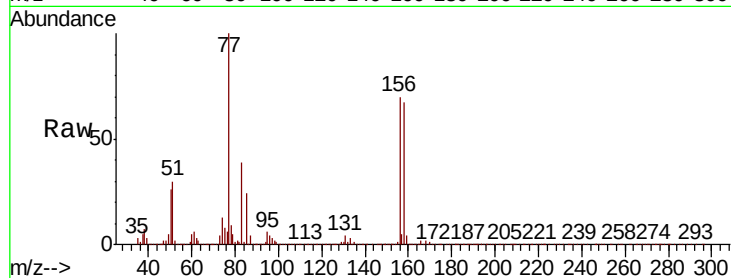
MSVOA_X

ClientSampled :

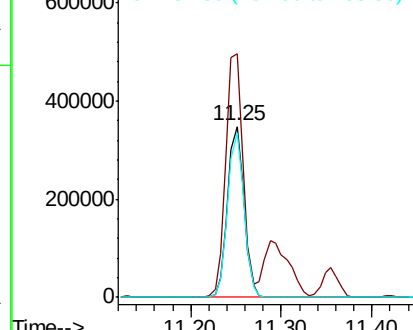
VSTDCCC050

Tot Ion:	156	Resp:	442597
Ion Ratio	Lower	Upper	
156	100		
77	149.1	75.8	227.4
158	95.7	47.6	142.8

Manual Integrations
APPROVED

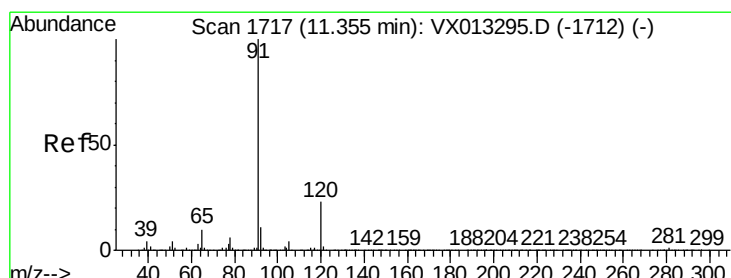
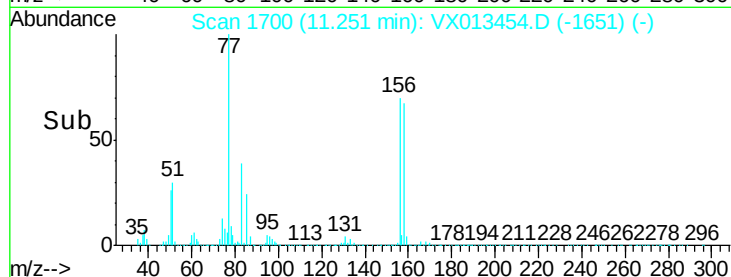


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



MMDadoda

11/20/2019 9:16:05 AM



#78

n-propylbenzene

Concen: 56.950 ug/l

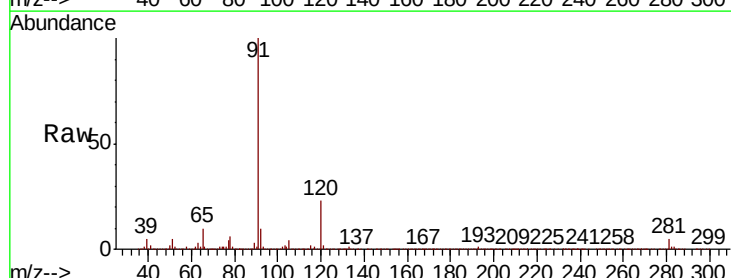
RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

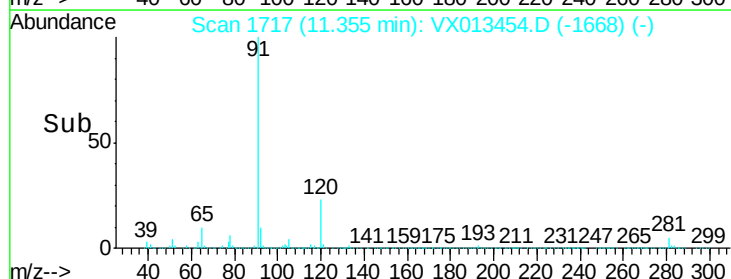
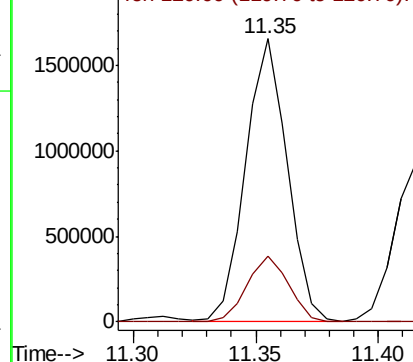
Lab File: VX013454.D

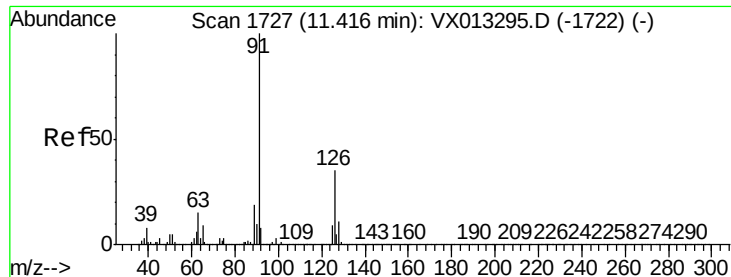
Acq: 19 Nov 2019 09:55

Tgt Ion:	91	Resp:	1949130
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.6	34.8



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V



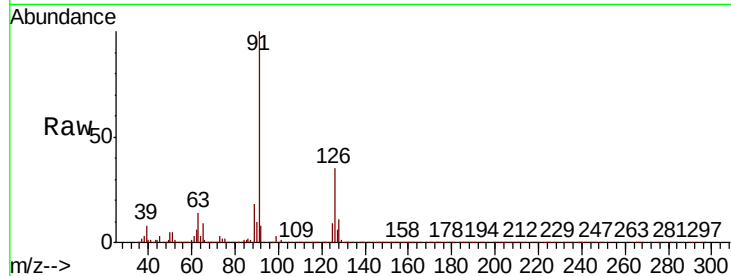


#79
2-Chlorotoluene
Concen: 55.377 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

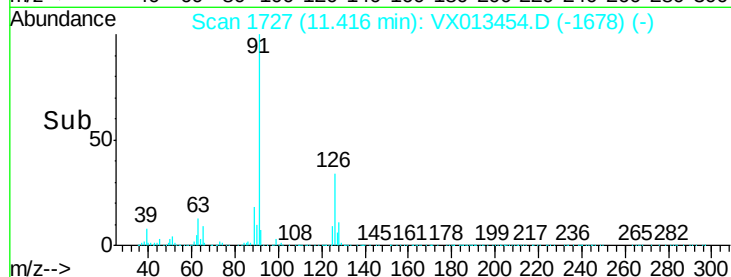
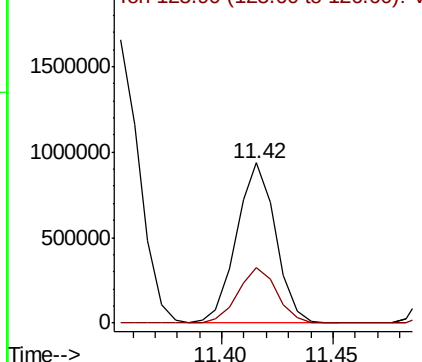
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1141910
Ion Ratio Lower Upper
91 100
126 34.6 17.3 52.0

Manual Integrations
APPROVED

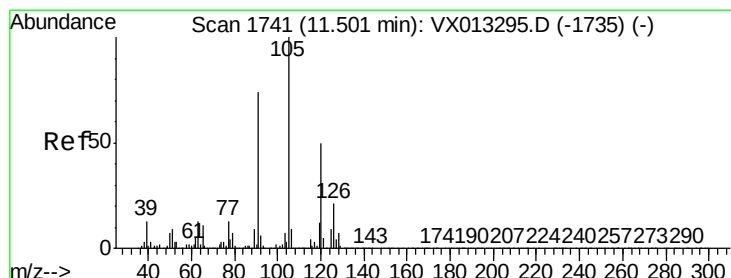


Abundance Ion 91.00 (90.70 to 91.70): VX013295.D (-1722) (-)
Ion 125.90 (125.60 to 126.60): VX013295.D (-1722) (-)



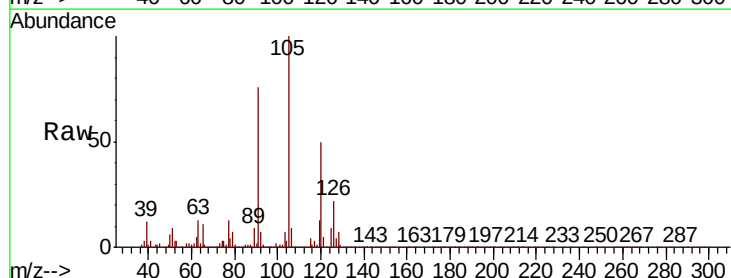
MMDadoda

11/20/2019 9:16:05 AM

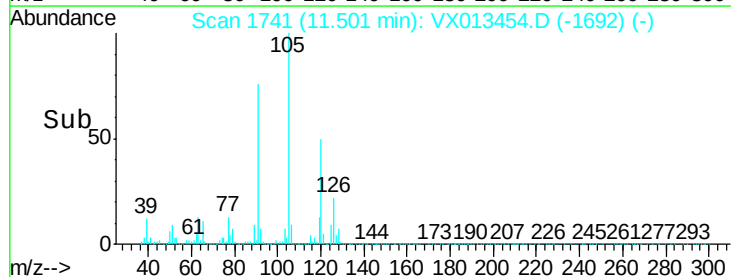
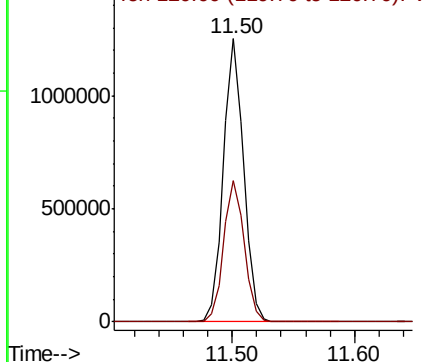


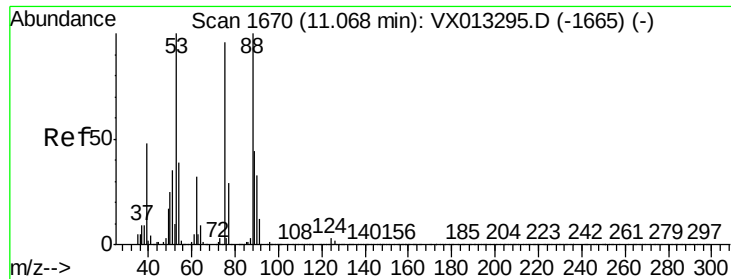
#80
1,3,5-Trimethylbenzene
Concen: 56.042 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Tgt Ion: 105 Resp: 1434243
Ion Ratio Lower Upper
105 100
120 50.6 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VX013295.D (-1735) (-)
Ion 120.00 (119.70 to 120.70): VX013295.D (-1735) (-)



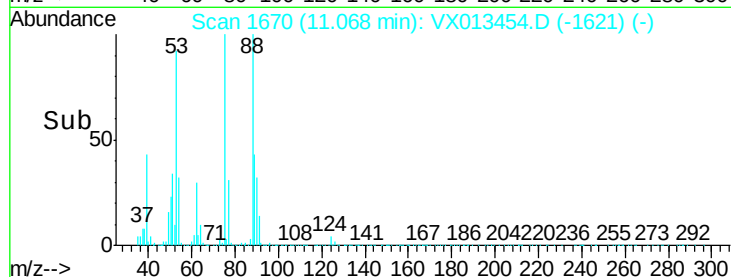
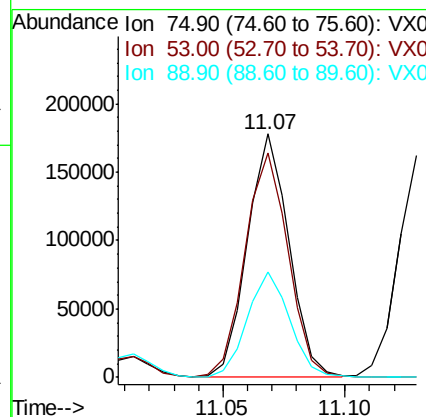
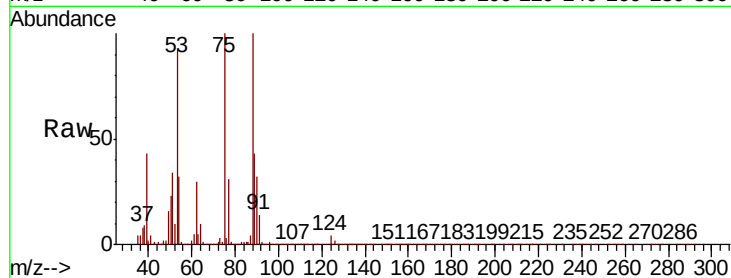


#81
trans-1,4-Dichloro-2-butene
Concen: 57.008 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

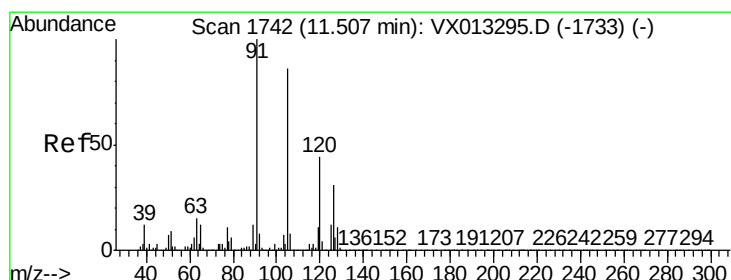
Tot Ion	Ratio	Lower	Upper
75	100		
53	96.1	81.0	121.6
89	44.2	36.0	54.0

Manual Integrations
APPROVED



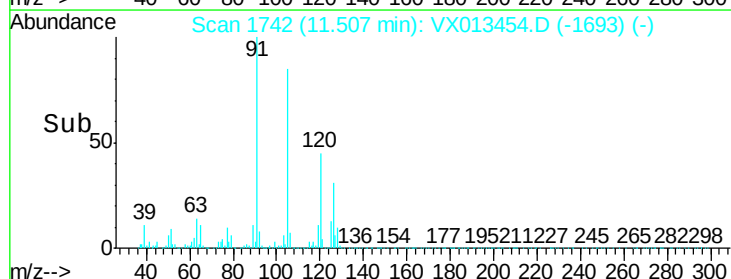
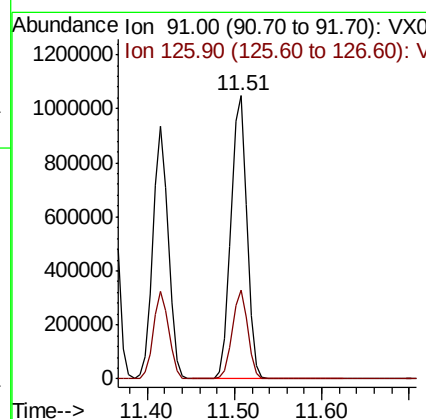
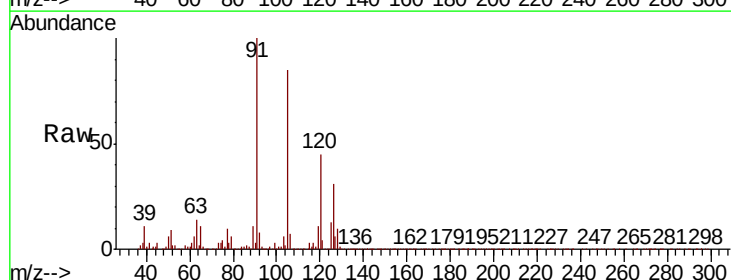
MMDadoda

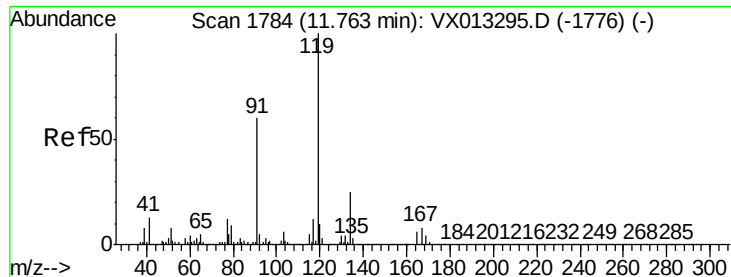
11/20/2019 9:16:05 AM



#82
4-Chlorotoluene
Concen: 54.881 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.3	45.8



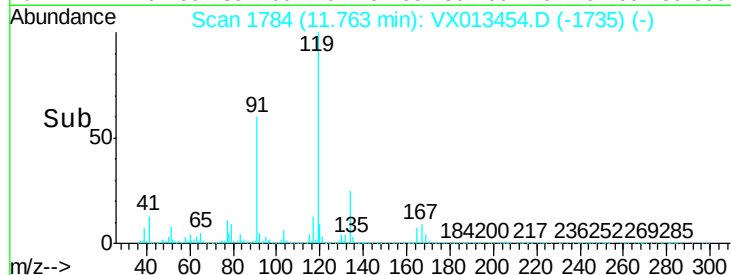
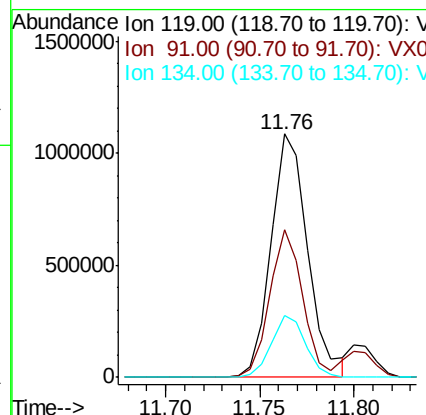
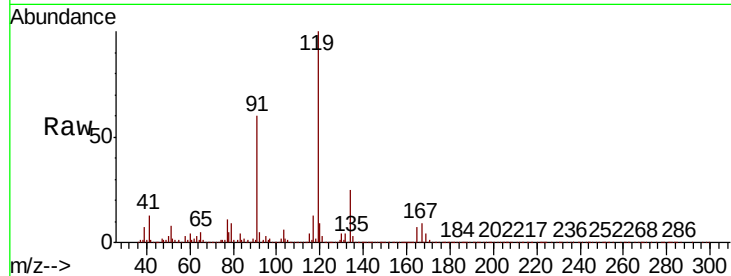


#83
tert-Butylbenzene
Concen: 56.771 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

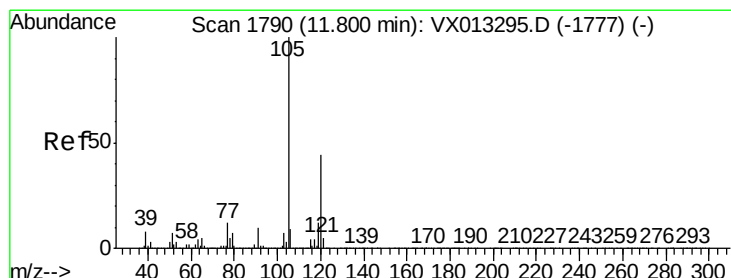
Tot Ion	Ratio	Lower	Upper
119	100		
91	54.4	26.9	80.7
134	23.5	11.7	35.1

Manual Integrations
APPROVED



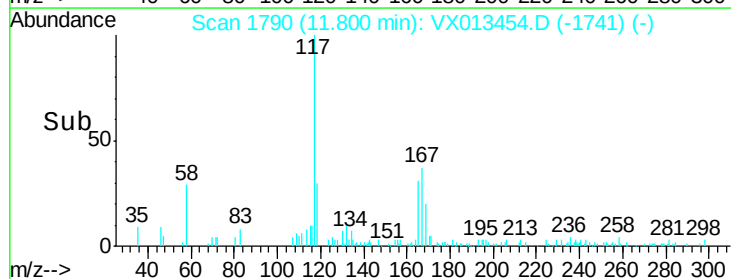
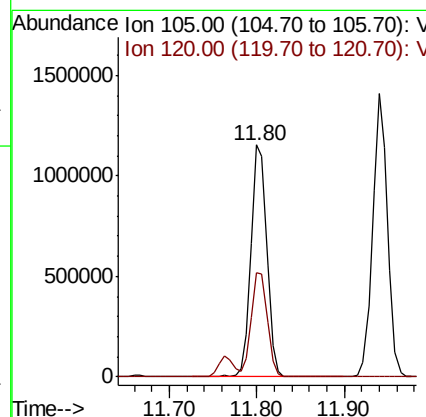
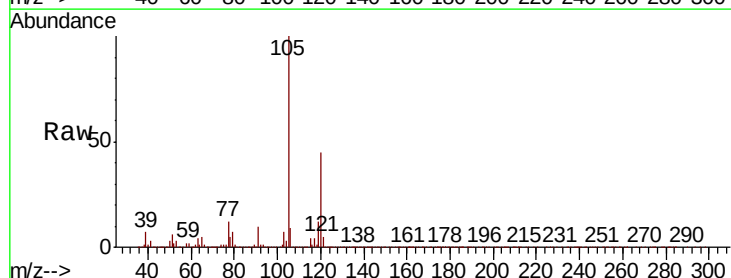
MMDadoda

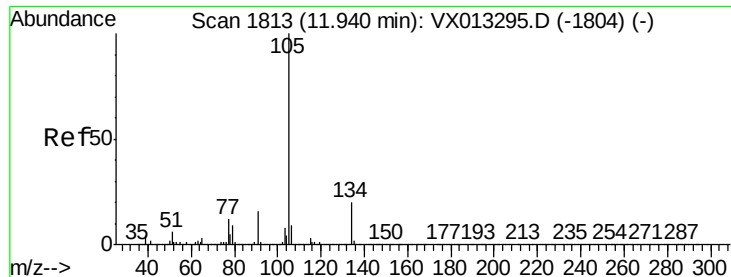
11/20/2019 9:16:05 AM



#84
1,2,4-Trimethylbenzene
Concen: 56.243 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.7	68.1





#85

sec-Butylbenzene

Concen: 56.716 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

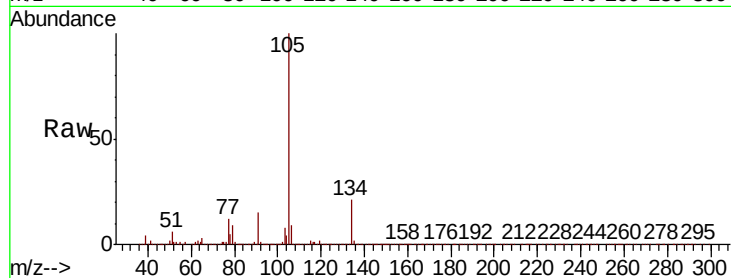
Tot Ion:105 Resp: 1679267

Ion Ratio Lower Upper

105 100

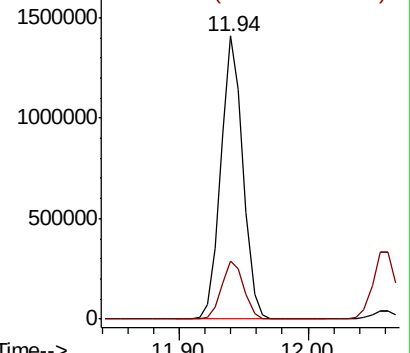
134 20.8 10.3 30.9

Manual Integrations
APPROVED



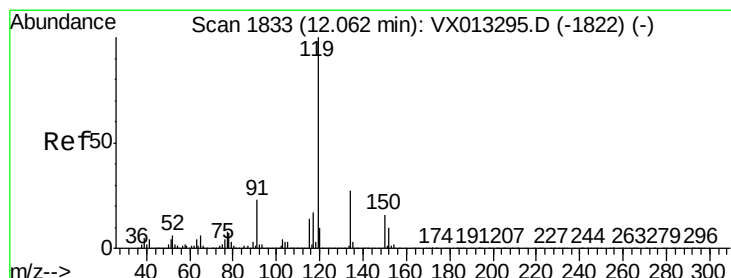
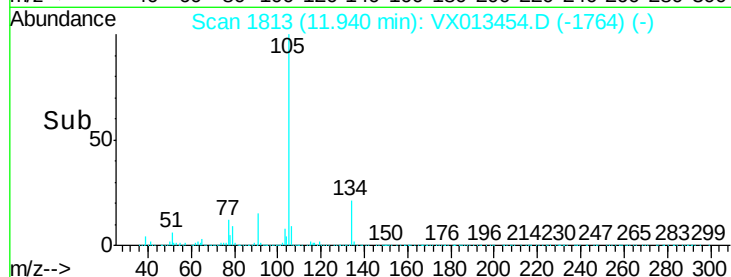
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



MMDadoda

11/20/2019 9:16:05 AM



#86

p-Isopropyltoluene

Concen: 57.440 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

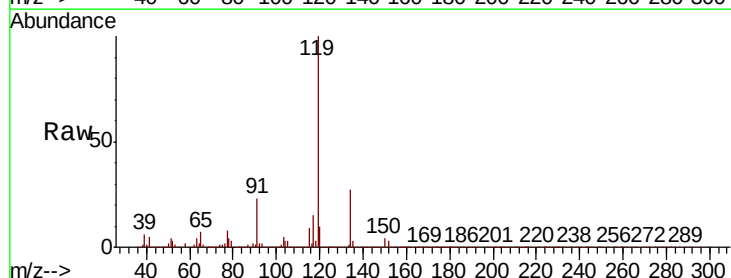
Tgt Ion:119 Resp: 1566035

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

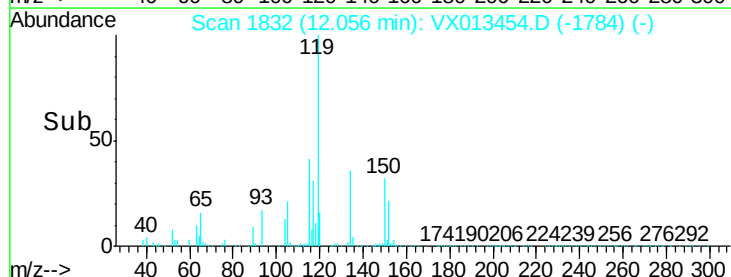
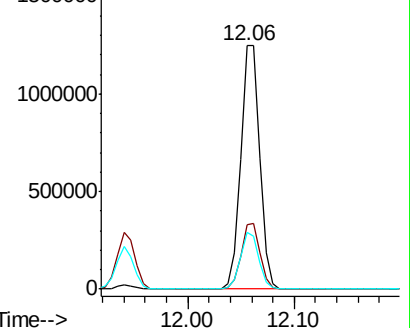
91 22.5 11.5 34.4

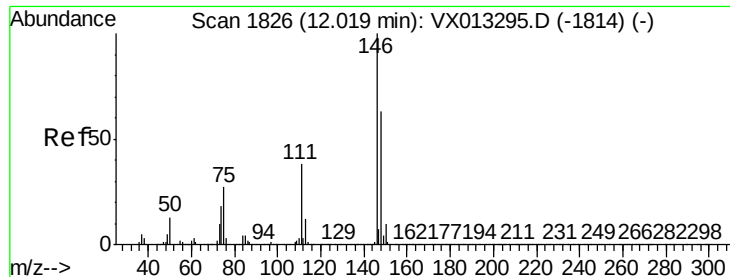


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0



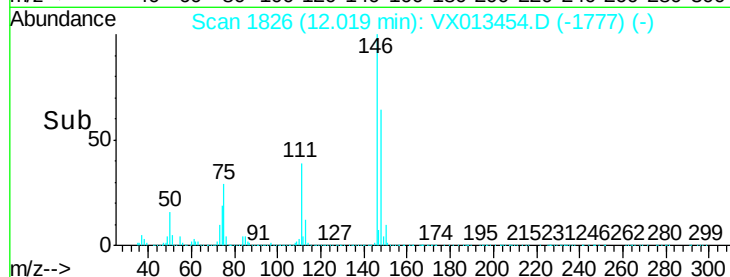
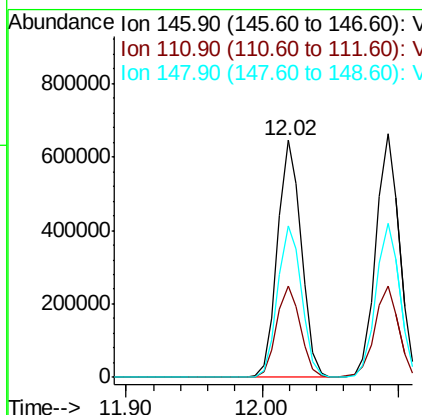
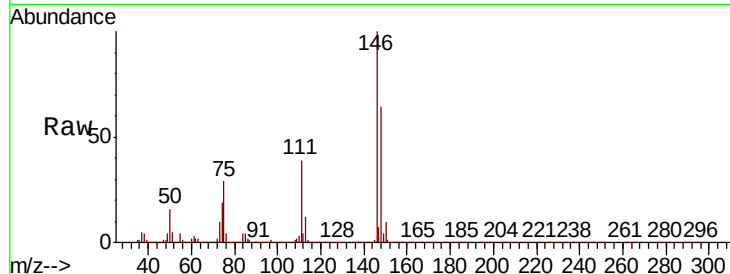


#87
 1,3-Dichlorobenzene
 Concen: 53.842 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013454.D
 Acq: 19 Nov 2019 09:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

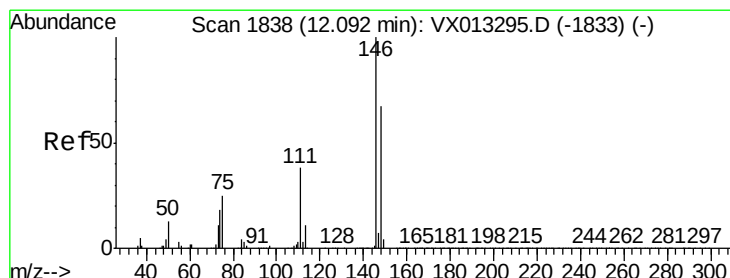
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.9	56.5
148	64.2	31.9	95.7

Manual Integrations
 APPROVED



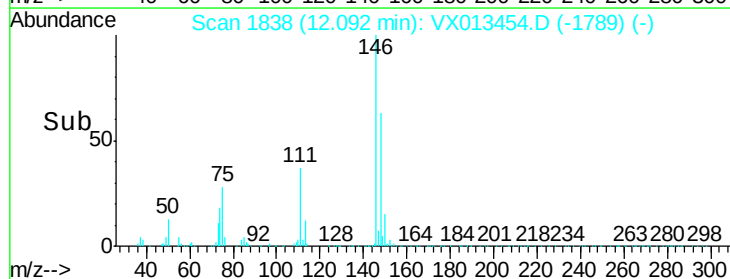
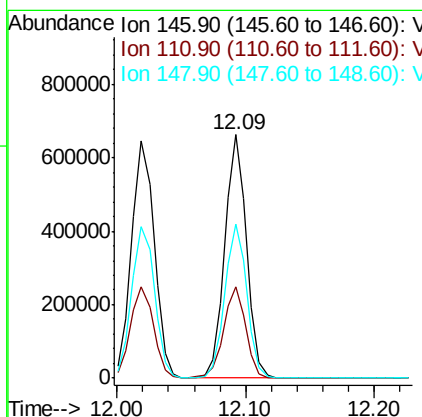
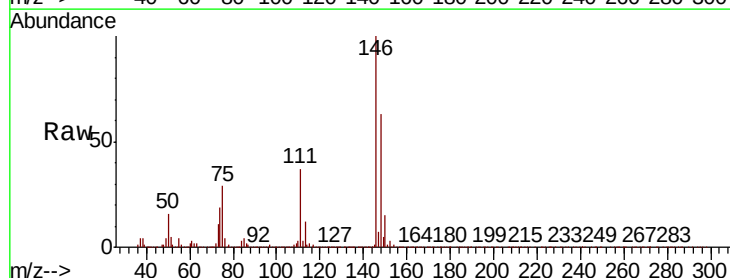
MMDadoda

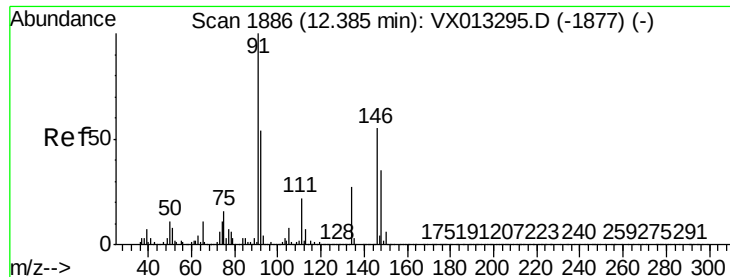
11/20/2019 9:16:05 AM



#88
 1,4-Dichlorobenzene
 Concen: 52.905 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013454.D
 Acq: 19 Nov 2019 09:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.4
148	64.1	32.4	97.0



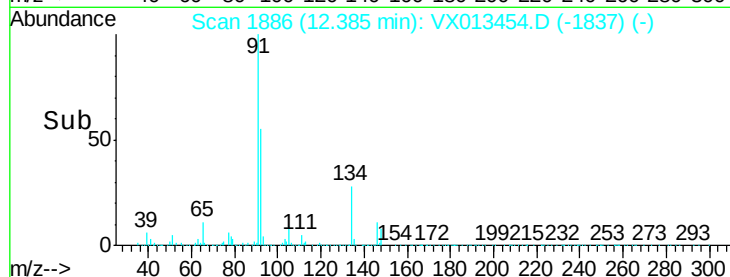
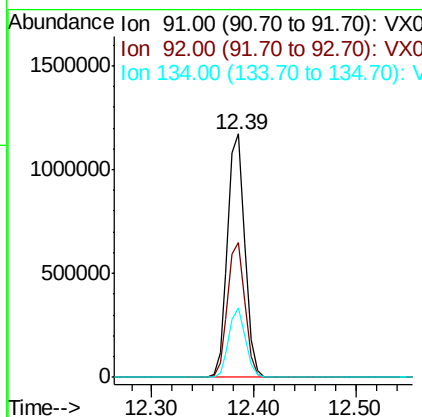
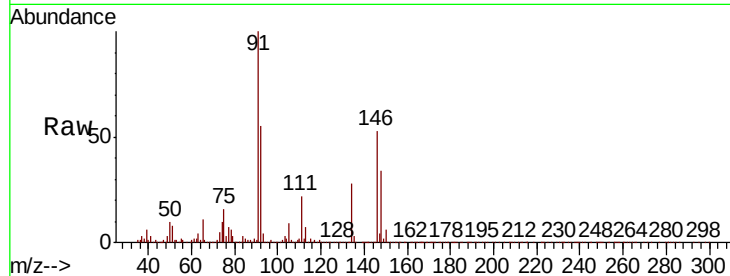


#89
n-Butylbenzene
Concen: 57.818 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

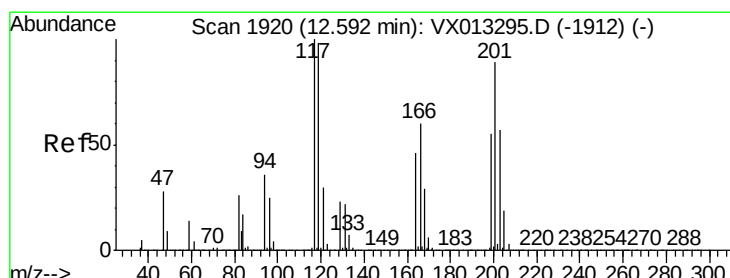
Tot Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.3	81.8
134	27.4	13.5	40.5

Manual Integrations
APPROVED



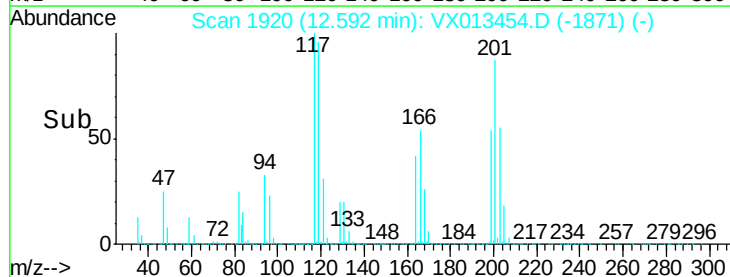
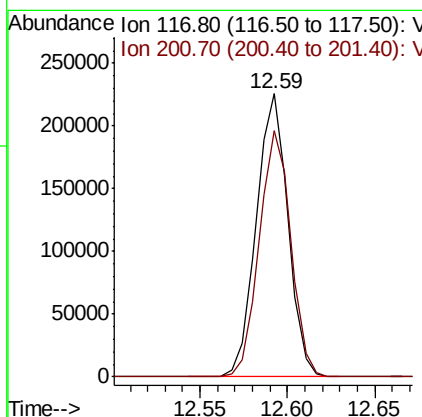
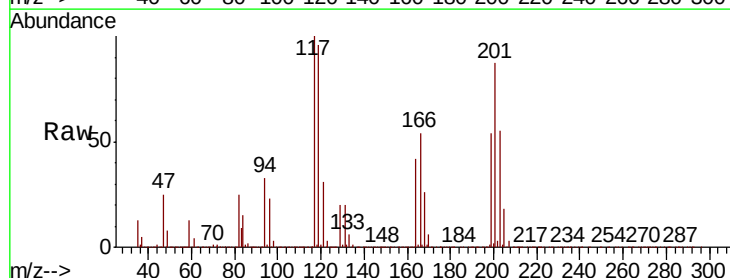
MMDadoda

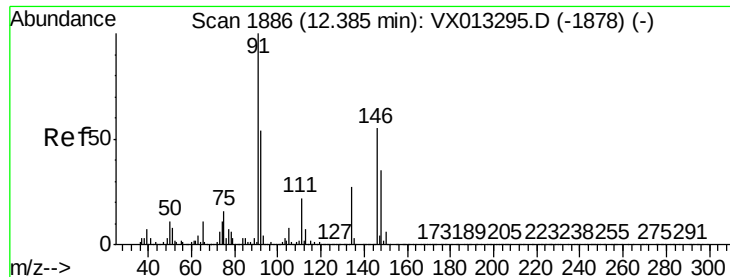
11/20/2019 9:16:05 AM



#90
Hexachloroethane
Concen: 58.816 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.1	43.9	131.7



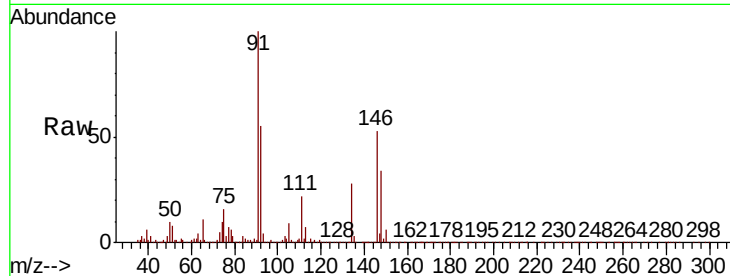


#91
 1,2-Dichlorobenzene
 Concen: 53.286 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013454.D
 Acq: 19 Nov 2019 09:55

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.2
148	64.2	32.0	96.0

Manual Integrations
 APPROVED

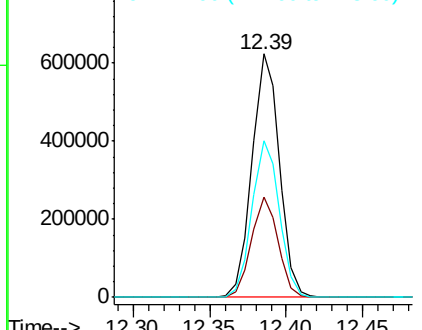


Abundance

Ion 145.90 (145.60 to 146.60): V

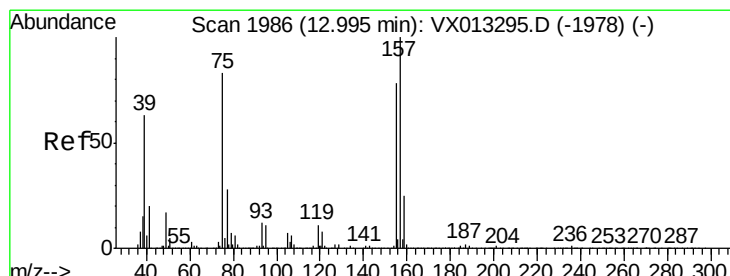
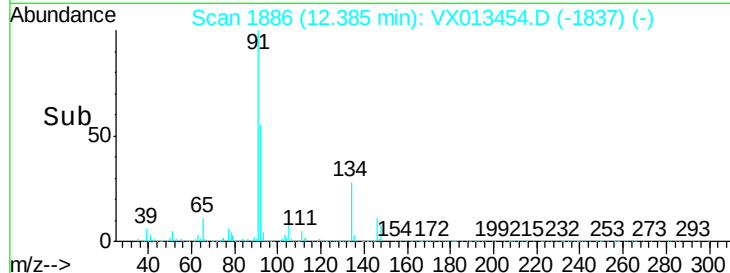
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



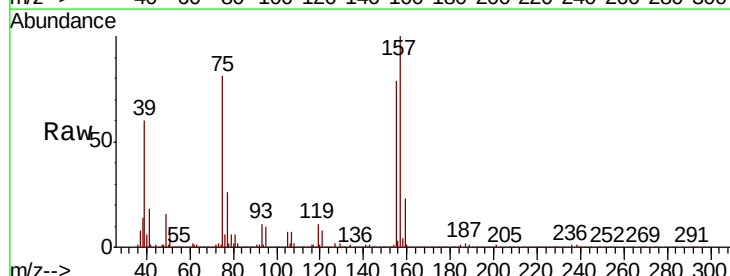
MMDadoda

11/20/2019 9:16:05 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.523 ug/l
 RT: 12.99 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013454.D
 Acq: 19 Nov 2019 09:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.5	47.1	141.4
157	124.7	61.3	183.8

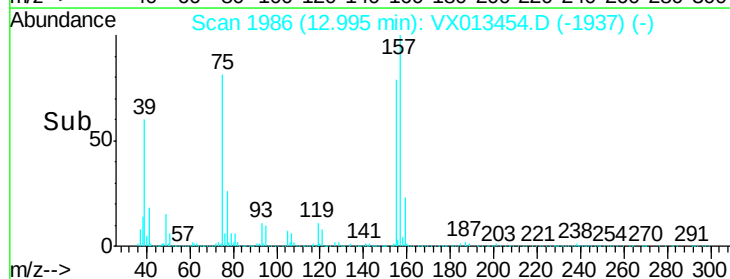
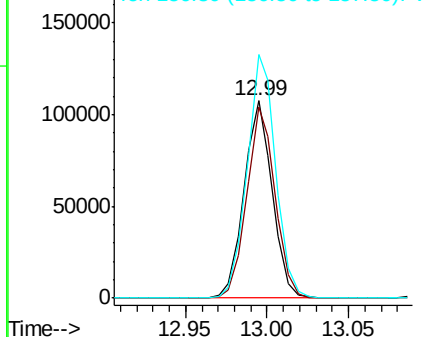


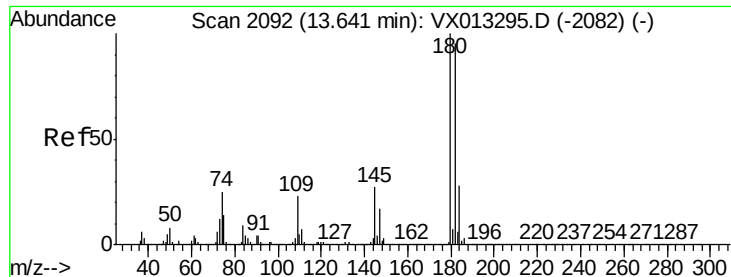
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



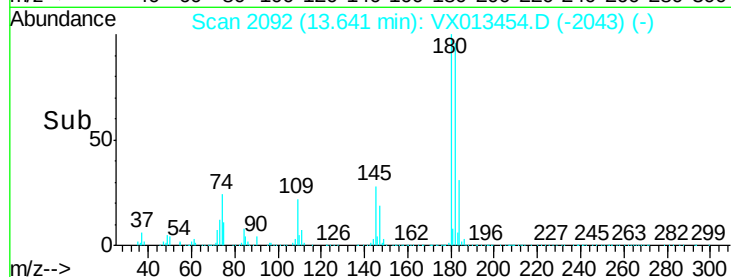
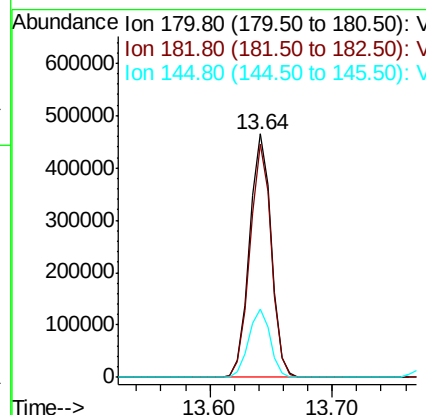
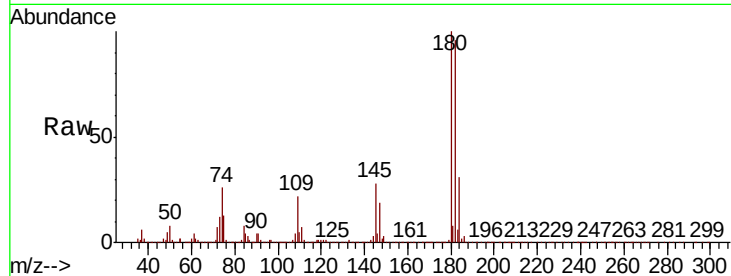


#93
1,2,4-Trichlorobenzene
Concen: 56.259 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

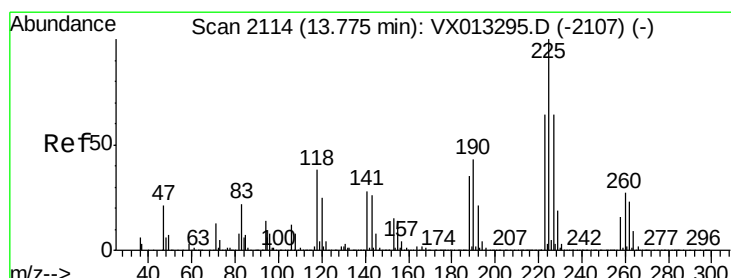
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.4	145.0
145	28.0	14.1	42.4

Manual Integrations
APPROVED



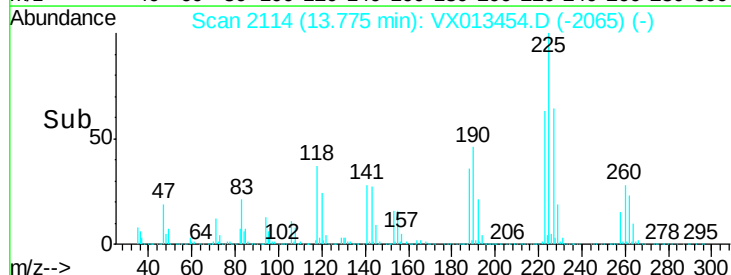
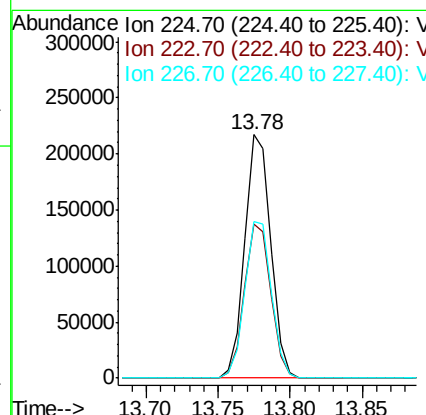
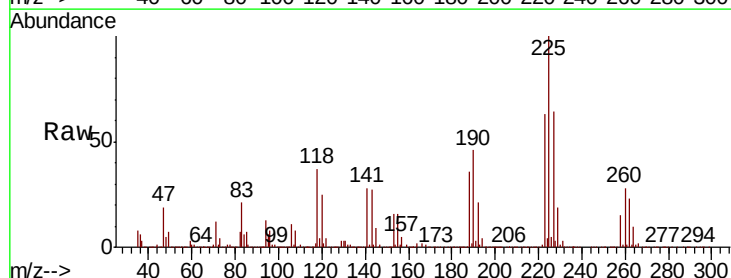
MMDadoda

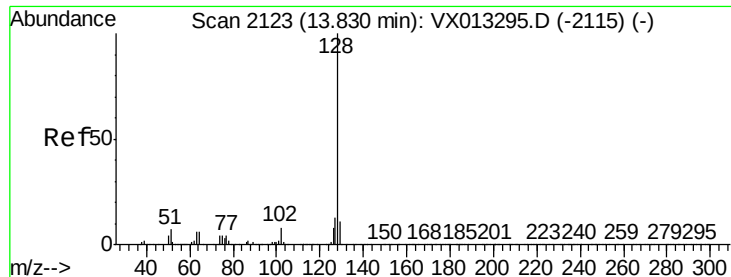
11/20/2019 9:16:05 AM



#94
Hexachlorobutadiene
Concen: 54.689 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. -0.00 min
Lab File: VX013454.D
Acq: 19 Nov 2019 09:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.9	95.7
227	65.8	31.9	95.9





#95

Naphthalene

Concen: 53.642 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Instrument :

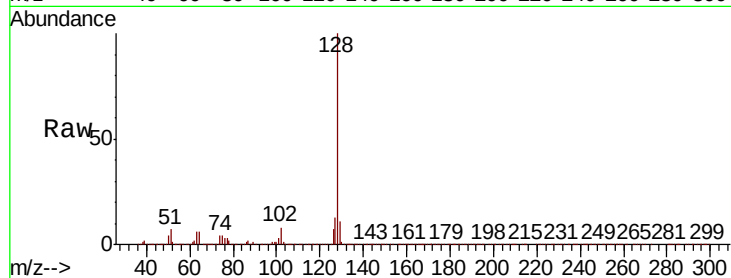
MSVOA_X

ClientSampleId :

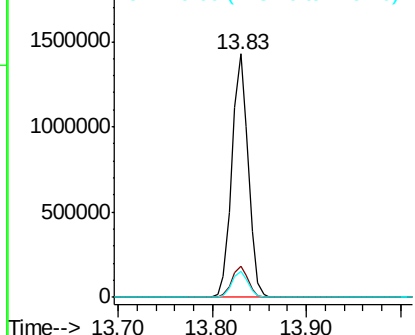
VSTDCCC050

Tot Ion:	128	Resp:	1713347
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.8	8.5	12.7

Manual Integrations
APPROVED

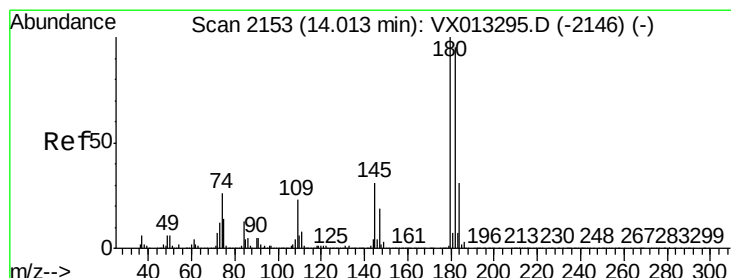
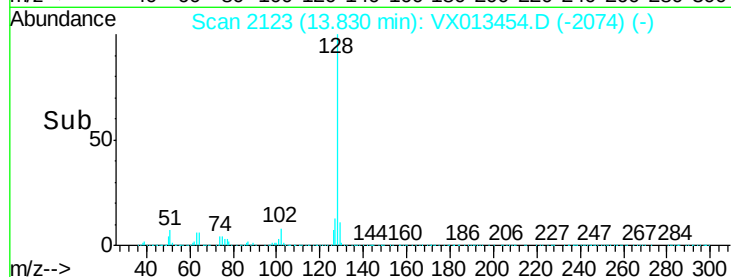


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



MMDadoda

11/20/2019 9:16:05 AM



#96

1,2,3-Trichlorobenzene

Concen: 54.181 ug/l

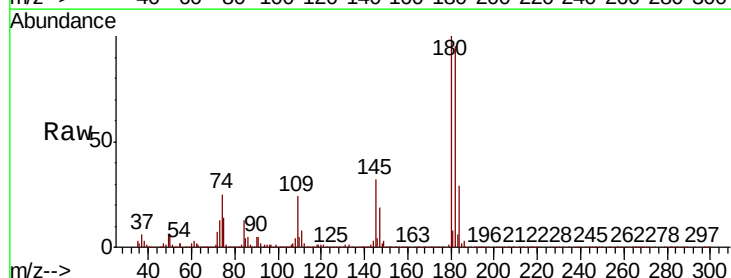
RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX013454.D

Acq: 19 Nov 2019 09:55

Tgt Ion:	180	Resp:	553162
Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.0	144.2
145	30.7	15.4	46.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

