

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102419\
 Data File : VX013193.D
 Acq On : 23 Oct 2019 17:45
 Operator : JC/SP
 Sample : VX1024WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 4:33:07 PM

Quant Time: Oct 24 04:17:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	95735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	146598	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	146066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	97264	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	94157	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	
35) Dibromofluoromethane	5.49	113	74237	45.41	ug/l	0.00
Spiked Amount			Recovery	=	90.82%	
50) Toluene-d8	8.71	98	272869	45.04	ug/l	0.00
Spiked Amount			Recovery	=	90.08%	
62) 4-Bromofluorobenzene	11.14	95	101057	42.14	ug/l	0.00
Spiked Amount			Recovery	=	84.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	33005	17.086	ug/l	95
3) Chloromethane	1.32	50	28867	18.768	ug/l	96
4) Vinyl Chloride	1.40	62	30314	17.437	ug/l	99
5) Bromomethane	1.63	94	18303	19.863	ug/l	99
6) Chloroethane	1.72	64	18125	16.939	ug/l	99
7) Trichlorofluoromethane	1.92	101	49445	18.215	ug/l	94
8) Diethyl Ether	2.18	74	16996	18.064	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	29096	17.126	ug/l	99
10) Methyl Iodide	2.50	142	29589	16.386	ug/l	99
11) Tert butyl alcohol	3.03	59	45413	103.923	ug/l	98
12) 1,1-Dichloroethene	2.36	96	28536	17.498	ug/l	99
13) Acrolein	2.28	56	22391	95.310	ug/l	95
14) Allyl chloride	2.72	41	45236	17.619	ug/l	99
15) Acrylonitrile	3.13	53	81969	92.873	ug/l	100
16) Acetone	2.43	43	87440	92.691	ug/l	100
17) Carbon Disulfide	2.56	76	71869	16.392	ug/l	98
18) Methyl Acetate	2.76	43	40060	20.040	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	102414	17.833	ug/l	99
20) Methylene Chloride	2.84	84	31894	18.264	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	31283	18.736	ug/l	91
22) Diisopropyl ether	3.84	45	90979	18.123	ug/l	94
23) Vinyl Acetate	3.80	43	393461	92.212	ug/l	100
24) 1,1-Dichloroethane	3.69	63	53788	17.419	ug/l	97
25) 2-Butanone	4.66	43	119202	94.222	ug/l	96
26) 2,2-Dichloropropane	4.57	77	48864	17.123	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	34591	17.319	ug/l	99
28) Bromochloromethane	5.01	49	15176	19.060	ug/l	99
29) Tetrahydrofuran	5.11	42	72512	95.089	ug/l	98
30) Chloroform	5.20	83	57846	17.595	ug/l	99
31) Cyclohexane	5.58	56	45812	17.691	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	52064	17.811	ug/l	98
36) 1,1-Dichloropropene	5.79	75	41953	17.045	ug/l	98
37) Ethyl Acetate	4.82	43	42962	17.586	ug/l	99
38) Carbon Tetrachloride	5.78	117	43921	16.209	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102419\
 Data File : VX013193.D
 Acq On : 23 Oct 2019 17:45
 Operator : JC/SP
 Sample : VX1024WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1024WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 4:33:07 PM

Quant Time: Oct 24 04:17:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	49333	15.719	ug/l	99
40) Benzene	6.13	78	123590	16.784	ug/l	99
41) Methacrylonitrile	5.03	41	23924	18.266	ug/l	97
42) 1,2-Dichloroethane	6.18	62	46922	16.901	ug/l	99
43) Isopropyl Acetate	6.43	43	71003	17.505	ug/l	100
44) Trichloroethene	7.21	130	34589	16.551	ug/l	99
45) 1,2-Dichloropropane	7.51	63	31370	17.009	ug/l	95
46) Dibromomethane	7.65	93	21895	16.478	ug/l	100
47) Bromodichloromethane	7.89	83	43324	16.731	ug/l	99
48) Methyl methacrylate	7.76	41	34257	17.088	ug/l	98
49) 1,4-Dioxane	7.73	88	18995	372.287	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	219575	88.814	ug/l	99
52) Toluene	8.78	92	81517	16.705	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	47067	17.104	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	51227	17.018	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	33385	17.304	ug/l	95
56) Ethyl methacrylate	9.17	69	50050	17.236	ug/l	98
57) 1,3-Dichloropropane	9.37	76	55425	17.026	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	103599	91.435	ug/l	100
59) 2-Hexanone	9.48	43	171370	89.987	ug/l	99
60) Dibromochloromethane	9.57	129	33606	16.623	ug/l	98
61) 1,2-Dibromoethane	9.67	107	34576	16.881	ug/l	99
64) Tetrachloroethene	9.33	164	34052	17.647	ug/l	96
65) Chlorobenzene	10.14	112	85570	16.735	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	31602	16.731	ug/l	99
67) Ethyl Benzene	10.25	91	153241	16.741	ug/l	100
68) m/p-Xylenes	10.35	106	115585	33.412	ug/l	99
69) o-Xylene	10.70	106	56311	16.969	ug/l	97
70) Styrene	10.71	104	94884	16.605	ug/l	98
71) Bromoform	10.85	173	23175	16.792	ug/l #	100
73) Isopropylbenzene	11.01	105	149545	16.931	ug/l	99
74) N-amyl acetate	10.89	43	55356	17.076	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	46006	17.154	ug/l	95
76) 1,2,3-Trichloropropane	11.29	75	38934m	16.608	ug/l	
77) Bromobenzene	11.25	156	35551	16.794	ug/l	99
78) n-propylbenzene	11.35	91	163281	17.019	ug/l	100
79) 2-Chlorotoluene	11.42	91	98055	16.176	ug/l	96
80) 1,3,5-Trimethylbenzene	11.50	105	130433	17.767	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	14848	17.405	ug/l	97
82) 4-Chlorotoluene	11.51	91	121463	17.684	ug/l	97
83) tert-Butylbenzene	11.76	119	123421	16.992	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	129234	17.452	ug/l	98
85) sec-Butylbenzene	11.94	105	133331	16.131	ug/l	100
86) p-Isopropyltoluene	12.06	119	130868	16.853	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	64601	16.892	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	64526	16.572	ug/l	100
89) n-Butylbenzene	12.38	91	106327	16.738	ug/l	97
90) Hexachloroethane	12.59	117	22500	17.302	ug/l	96
91) 1,2-Dichlorobenzene	12.38	146	64413	17.128	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	11529	17.287	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102419\
Data File : VX013193.D
Acq On : 23 Oct 2019 17:45
Operator : JC/SP
Sample : VX1024WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS01

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:33:07 PM

Quant Time: Oct 24 04:17:24 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 24 03:56:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	36913	15.588	ug/l	94
94) Hexachlorobutadiene	13.78	225	19550	15.960	ug/l	96
95) Naphthalene	13.83	128	130186	17.913	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	40598	17.350	ug/l	96

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

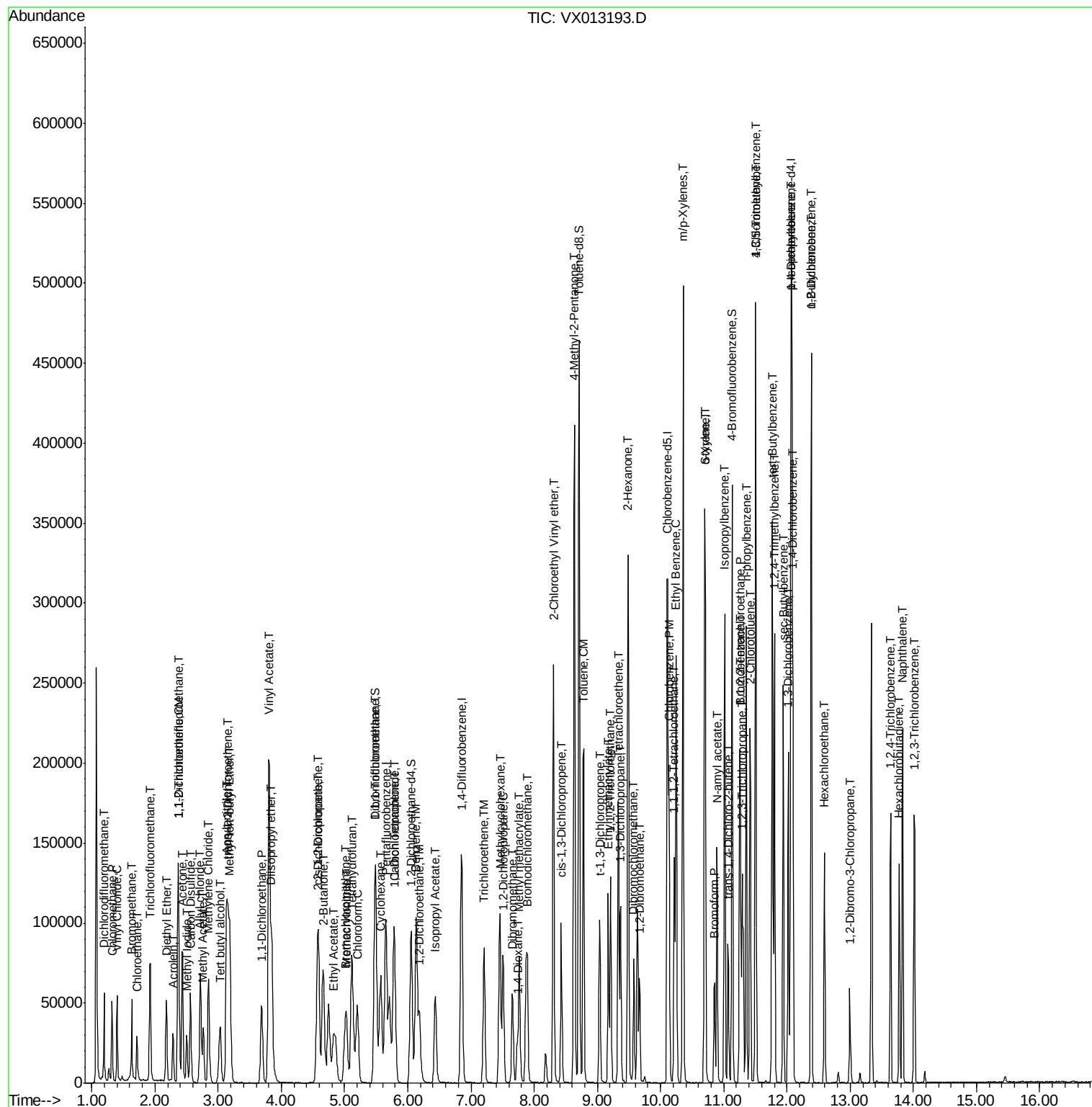
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102419\
Data File : VX013193.D
Acq On : 23 Oct 2019 17:45
Operator : JC/SP
Sample : VX1024WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

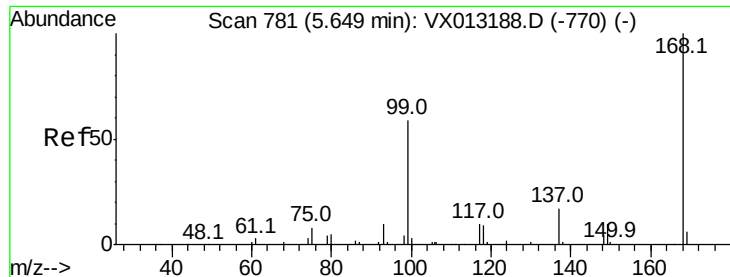
Instrument :
MSVOA_X
ClientSampled :
VX1024WBS01

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:33:07 PM

Quant Time: Oct 24 04:17:24 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 24 03:56:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS01

Tot Ion:168 Resp: 95735

Ion Ratio Lower Upper

168 100

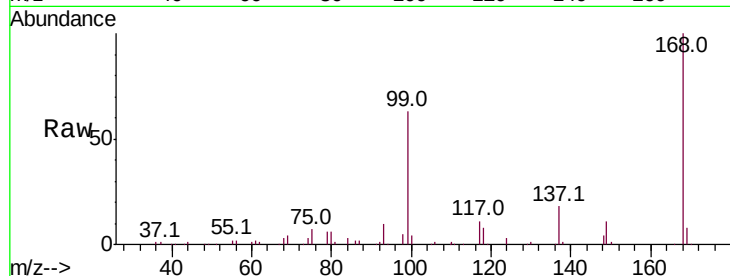
99 62.9 47.0 70.4

Manual Integrations

APPROVED

MMDadoda

10/25/2019 4:33:07 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

40000

30000

20000

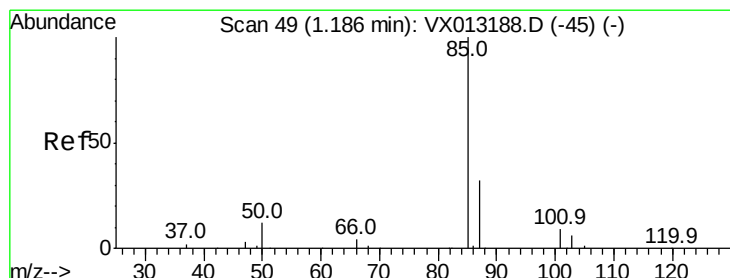
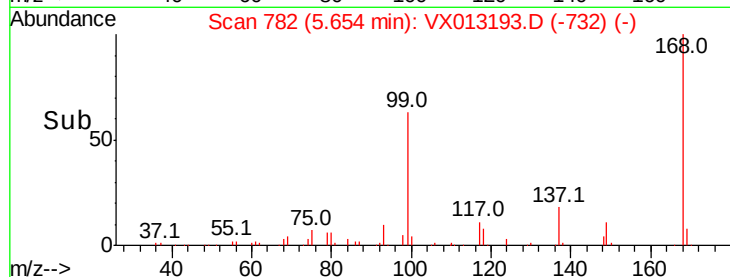
10000

0

5.50 5.60 5.70 5.80

5.65

Time-->



#2

Dichlorodifluoromethane

Concen: 17.086 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX013193.D

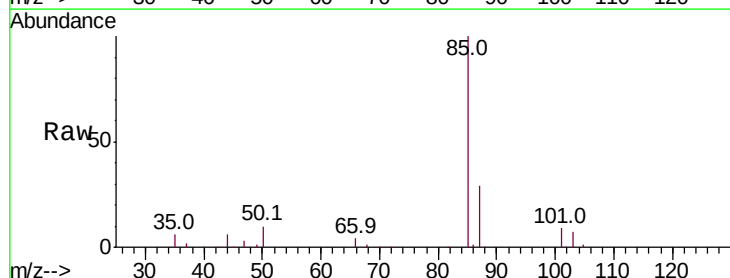
Acq: 23 Oct 2019 17:45

Tgt Ion: 85 Resp: 33005

Ion Ratio Lower Upper

85 100

87 29.5 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

30000

20000

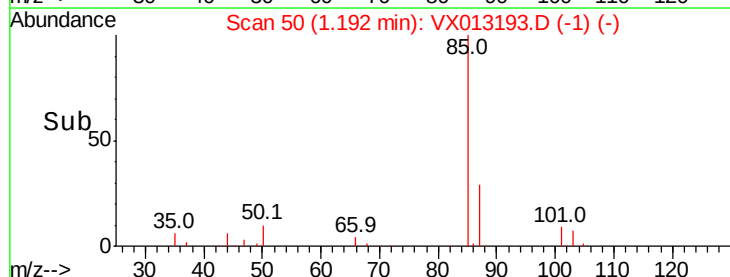
10000

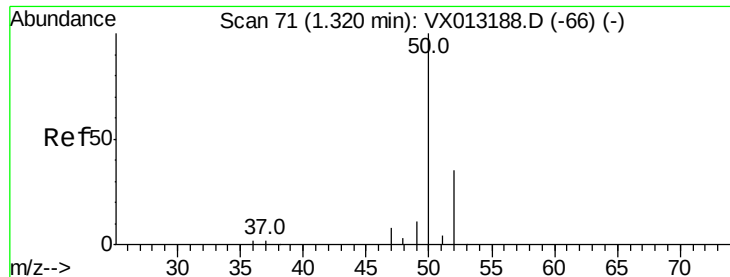
0

1.15 1.20 1.25

1.19

Time-->





#3

Chloromethane

Concen: 18.768 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS01

Tot Ion: 50 Resp: 28867

Ion Ratio Lower Upper

50 100

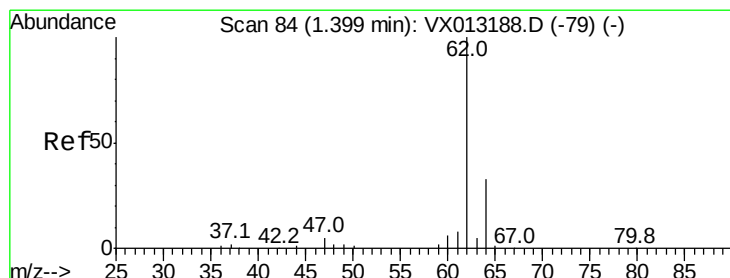
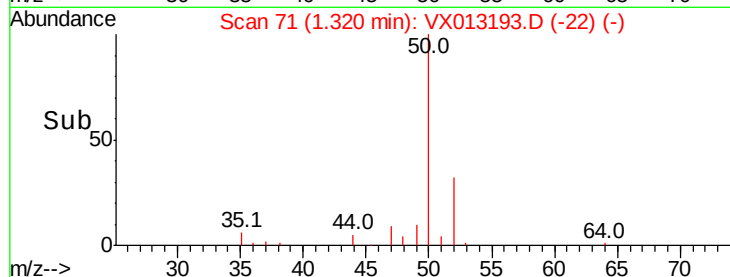
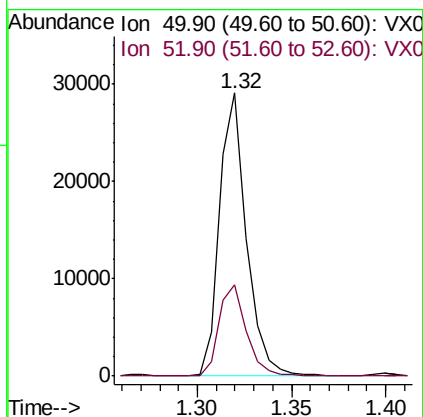
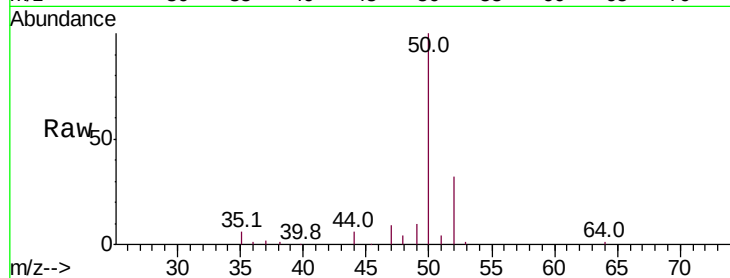
52 32.2 27.8 41.6

Manual Integrations

APPROVED

MMDadoda

10/25/2019 4:33:07 PM



#4

Vinyl Chloride

Concen: 17.437 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013193.D

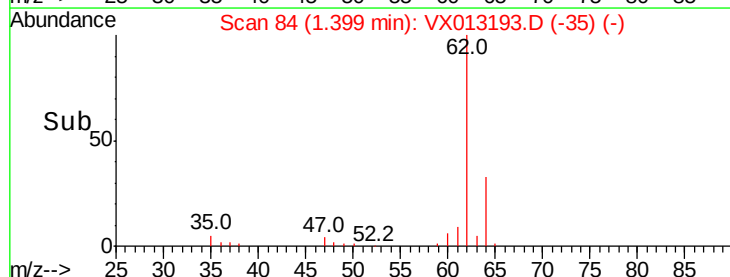
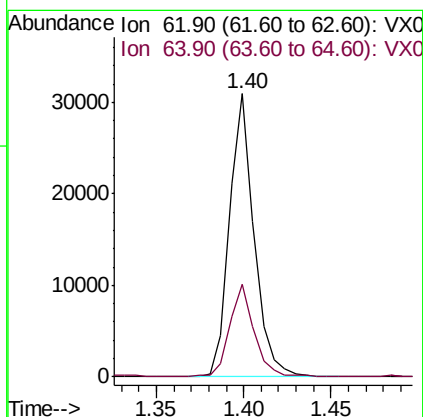
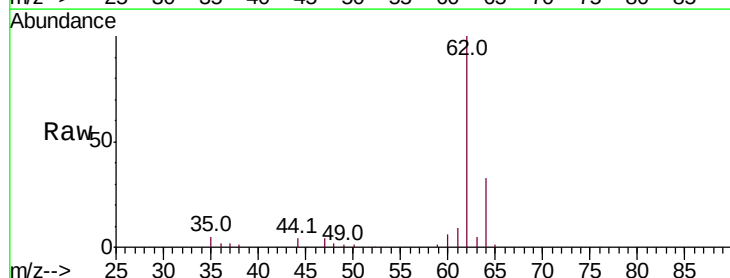
Acq: 23 Oct 2019 17:45

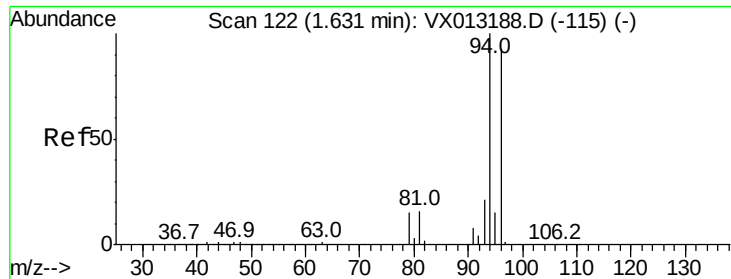
Tgt Ion: 62 Resp: 30314

Ion Ratio Lower Upper

62 100

64 32.5 26.4 39.6





#5

Bromomethane

Concen: 19.863 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS01

Tot Ion: 94 Resp: 18303

Ion Ratio Lower Upper

94 100

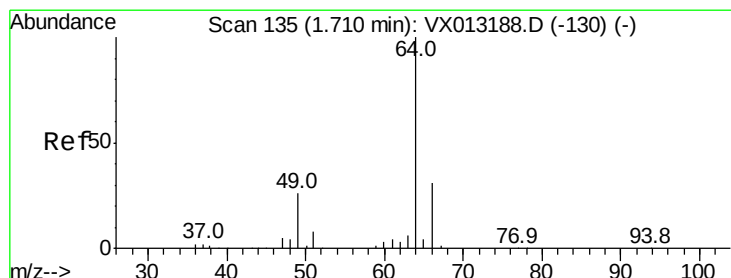
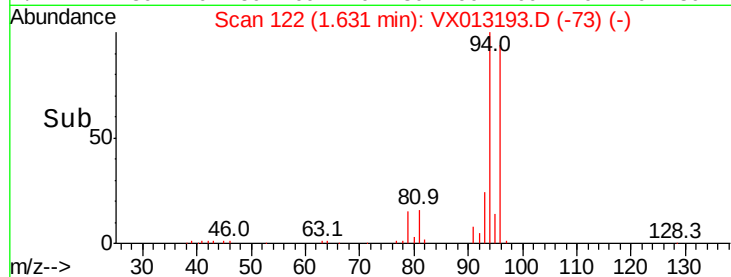
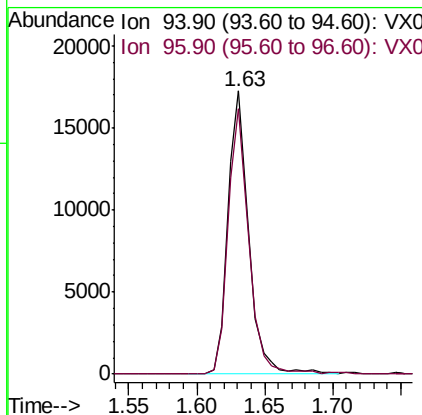
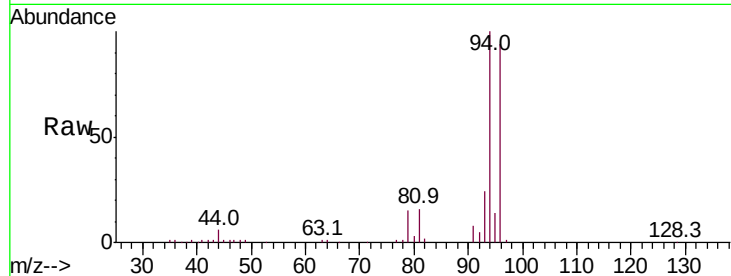
96 93.6 74.2 111.2

Manual Integrations

APPROVED

MMDadoda

10/25/2019 4:33:07 PM



#6

Chloroethane

Concen: 16.939 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013193.D

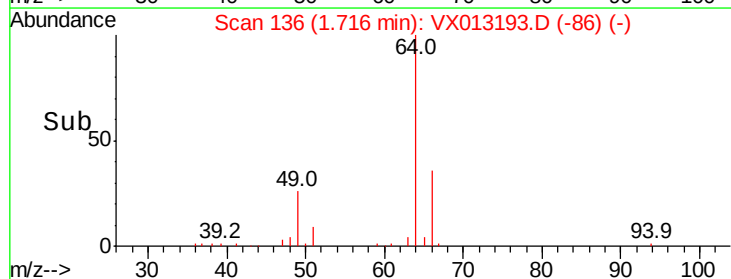
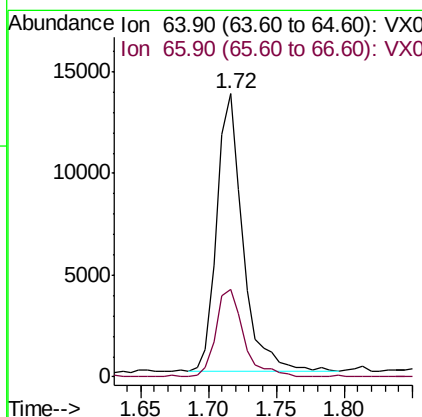
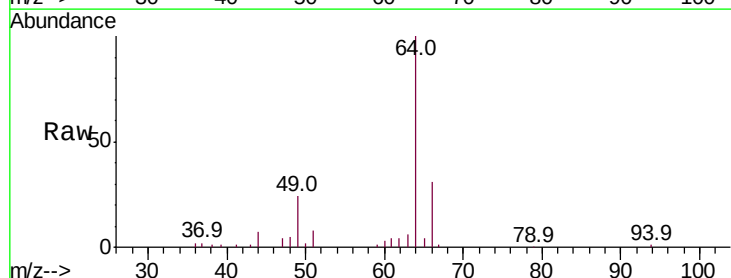
Acq: 23 Oct 2019 17:45

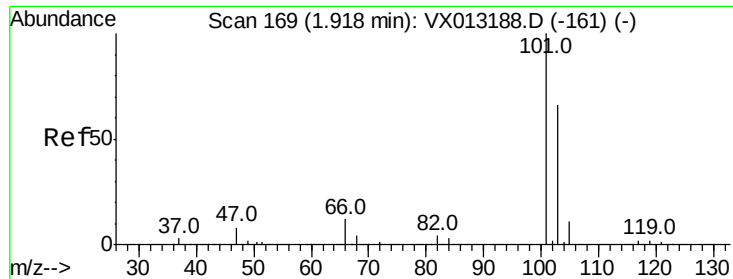
Tgt Ion: 64 Resp: 18125

Ion Ratio Lower Upper

64 100

66 31.8 25.0 37.6





#7

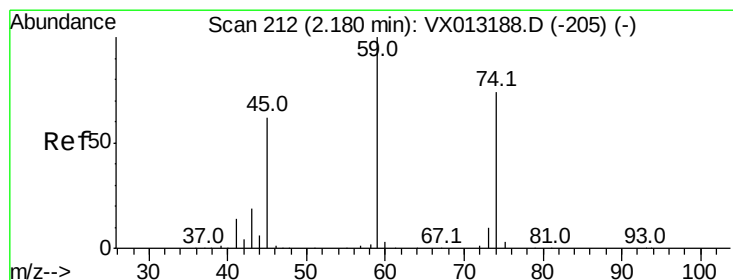
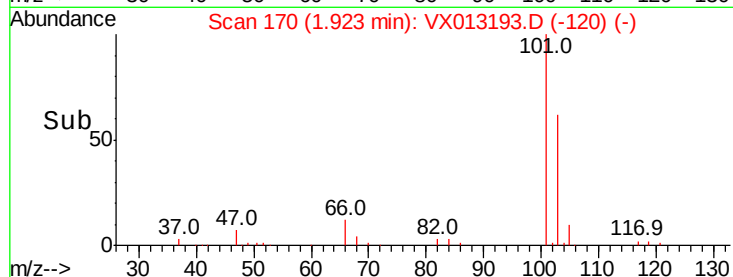
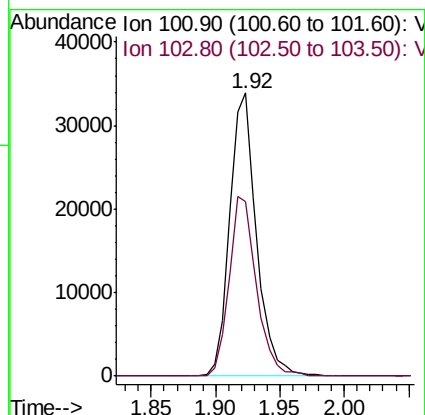
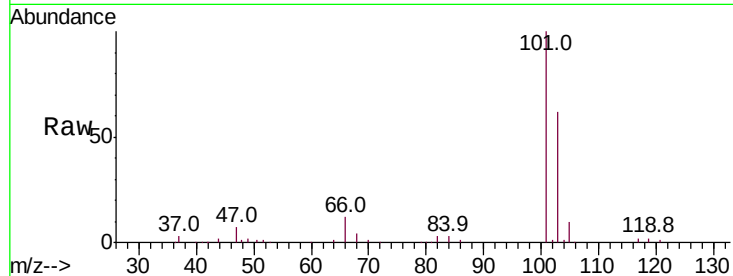
Trichlorofluoromethane
Concen: 18.215 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.6	53.0	79.6

Manual Integrations
APPROVED

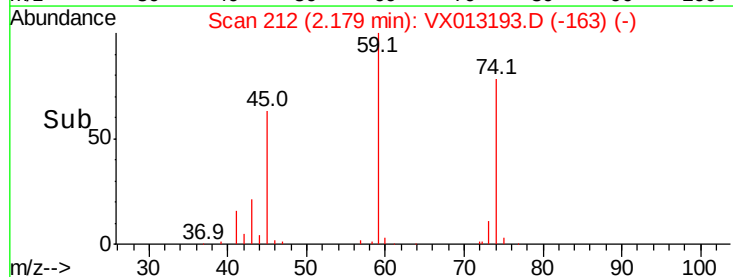
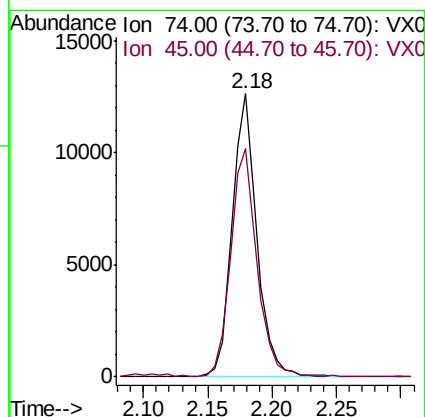
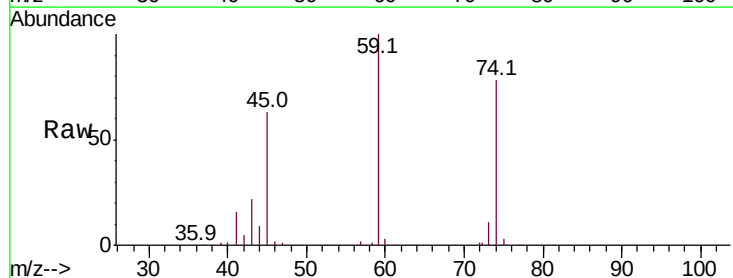
MMDadoda
10/25/2019 4:33:07 PM

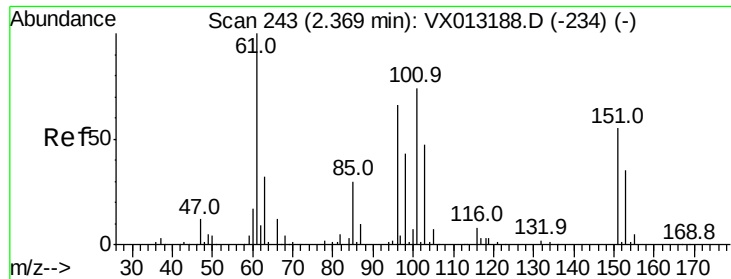


#8

Diethyl Ether
Concen: 18.064 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.5	44.8	134.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.126 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Instrument :

MSVOA_X

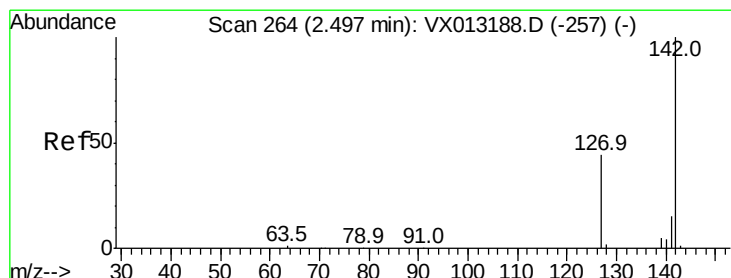
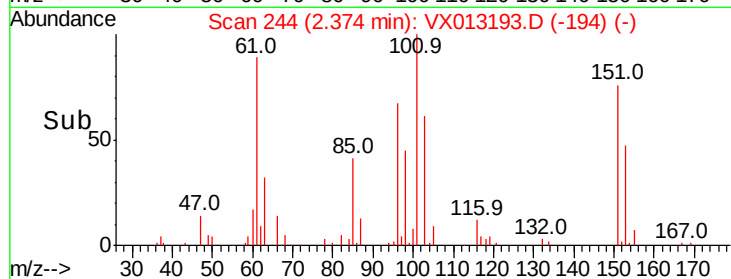
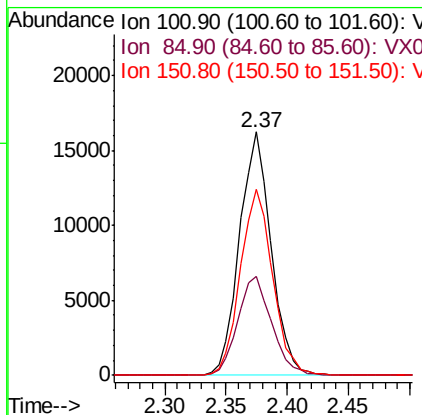
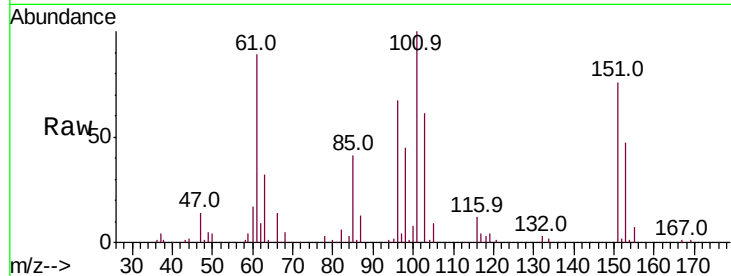
ClientSampleId :

VX1024WBS01

Tot Ion:	101	Resp:	29096
Ion Ratio	Lower	Upper	
101	100		
85	43.6	34.0	51.0
151	78.4	62.0	93.0

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:33:07 PM



#10

Methyl Iodide

Concen: 16.386 ug/l

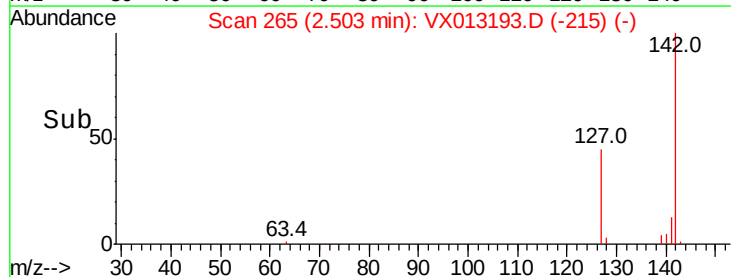
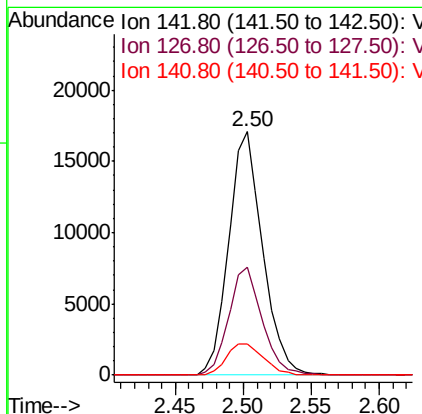
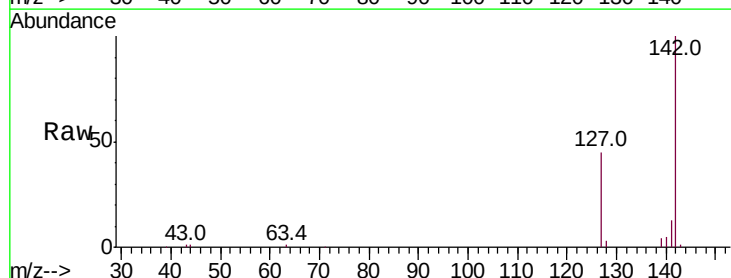
RT: 2.50 min Scan# 265

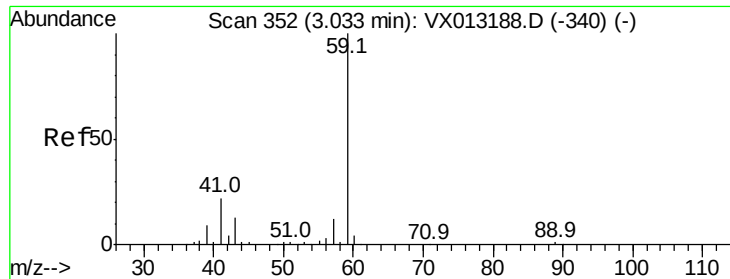
Delta R.T. 0.01 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Tgt Ion:	142	Resp:	29589
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.6	53.4
141	14.0	11.6	17.4





#11

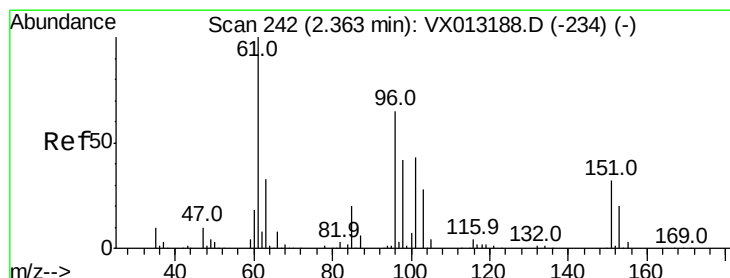
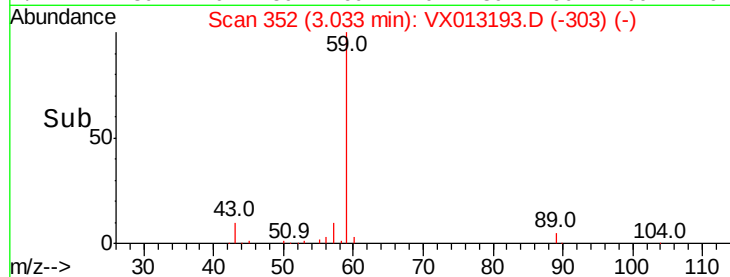
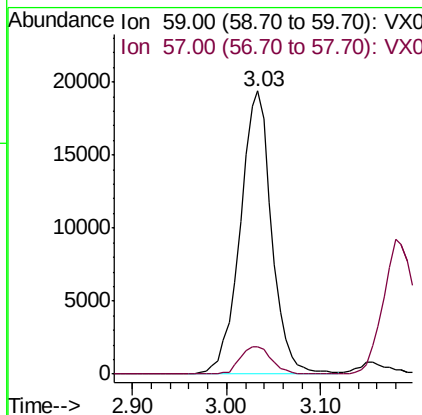
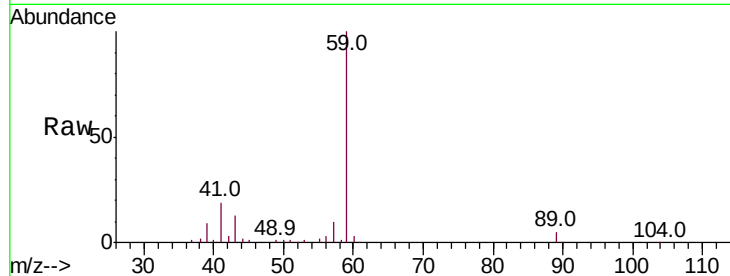
Tert butyl alcohol
Concen: 103.923 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS01

Tot Ion	59	Resp	45413
Ion Ratio	100	Lower	Upper
57	9.7	8.2	12.4

Manual Integrations
APPROVED

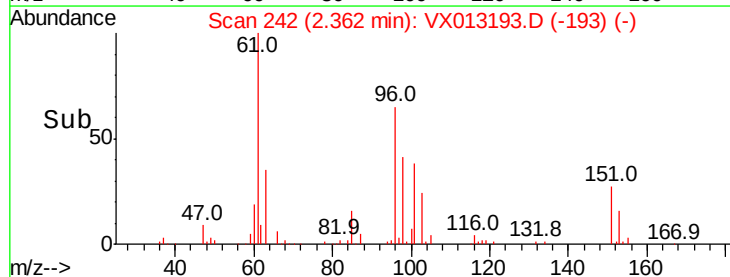
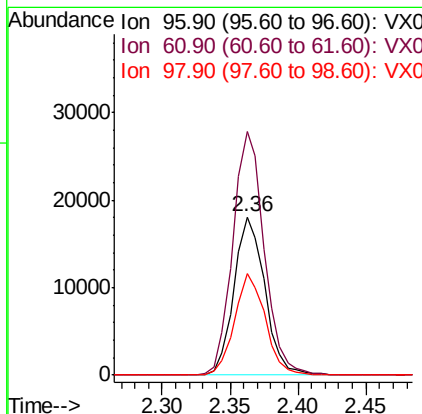
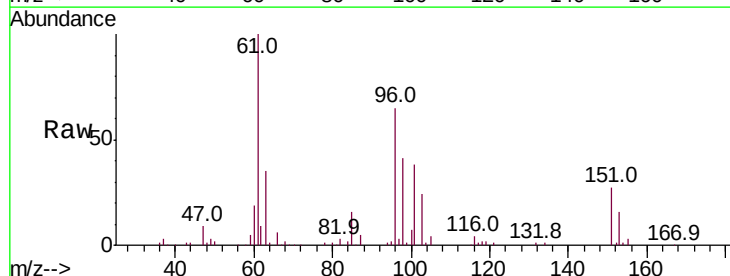
MMDadoda
10/25/2019 4:33:07 PM

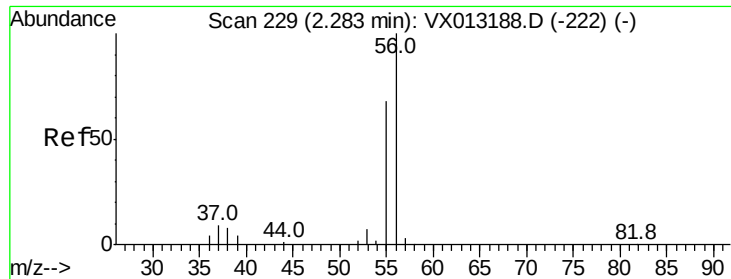


#12

1,1-Dichloroethene
Concen: 17.498 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Tgt Ion	96	Resp	28536
Ion Ratio	100	Lower	Upper
61	154.2	123.8	185.8
98	64.0	51.6	77.4





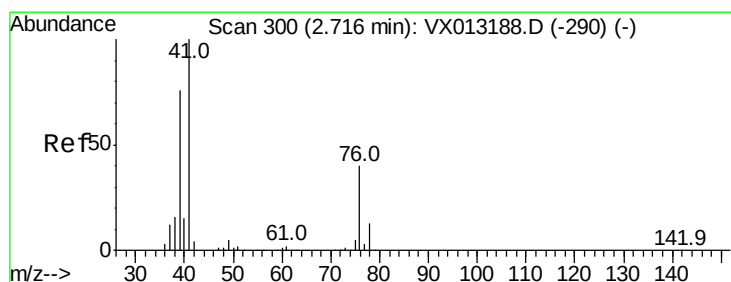
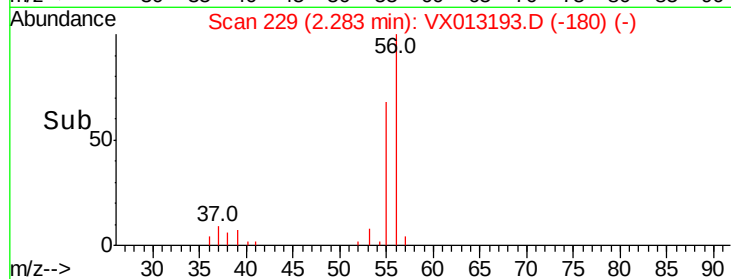
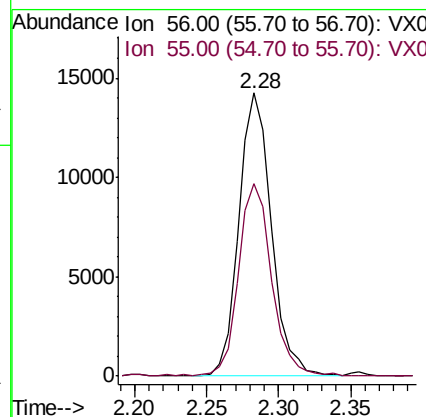
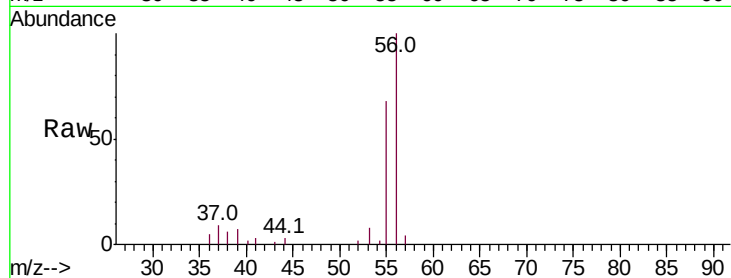
#13
Acrolein
Concen: 95.310 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.5	58.9	88.3

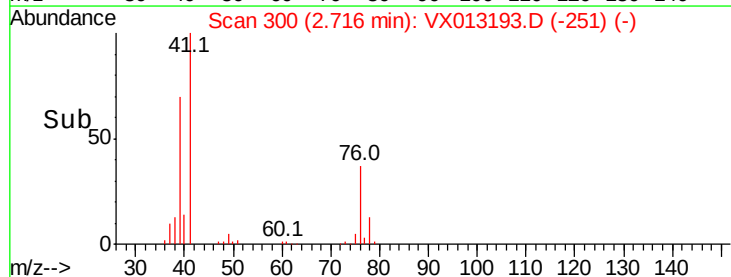
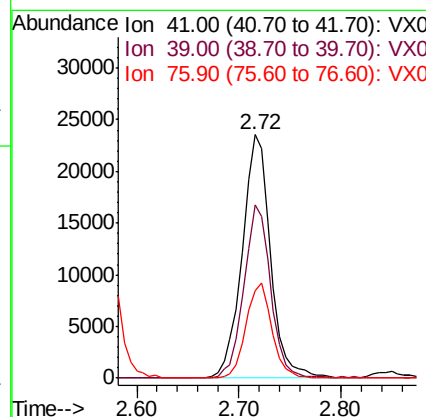
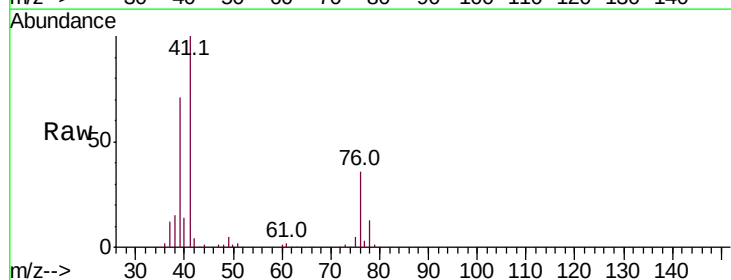
Manual Integrations
APPROVED

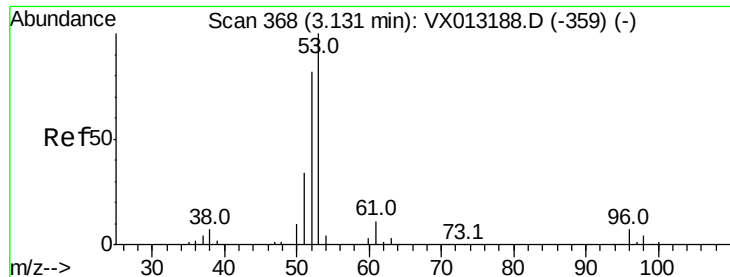
MMDadoda
10/25/2019 4:33:07 PM



#14
Allyl chloride
Concen: 17.619 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.5	54.6	81.8
76	35.7	29.8	44.6





#15

Acrylonitrile

Concen: 92.873 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Instrument :

MSVOA_X

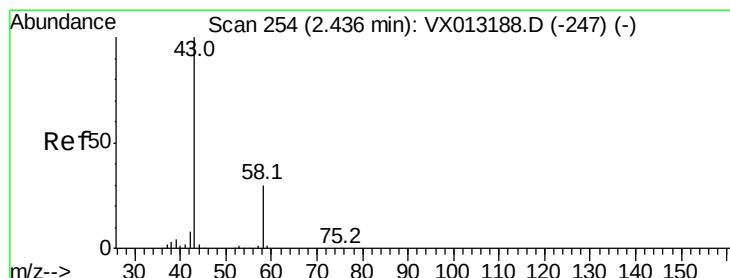
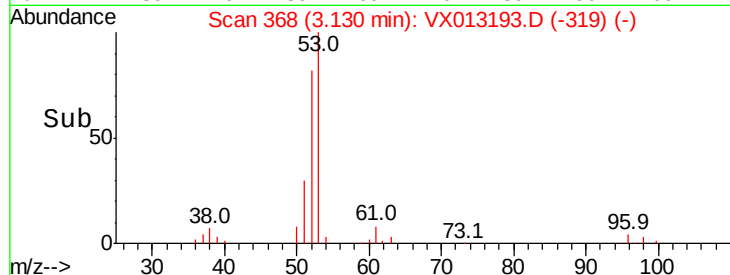
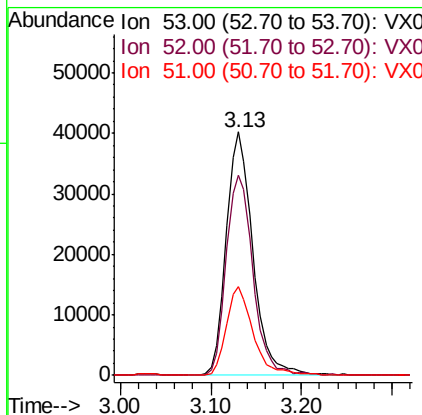
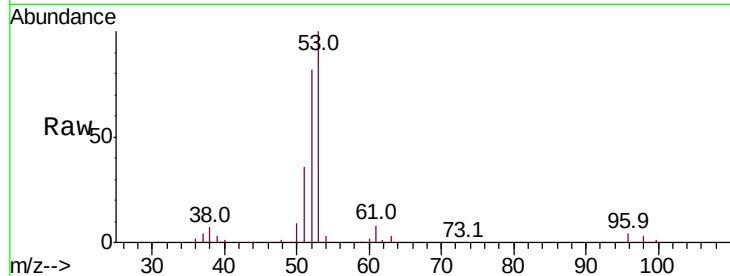
ClientSampleId :

VX1024WBS01

Tot Ion:	53	Resp:	81969
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.4	99.6
51	36.8	29.4	44.2

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:33:07 PM



#16

Acetone

Concen: 92.691 ug/l

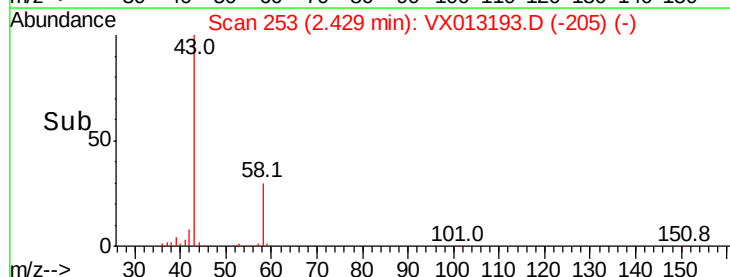
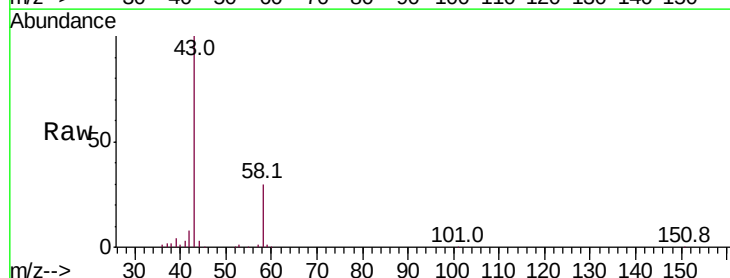
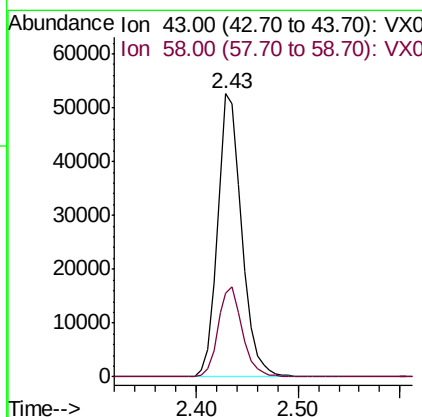
RT: 2.43 min Scan# 253

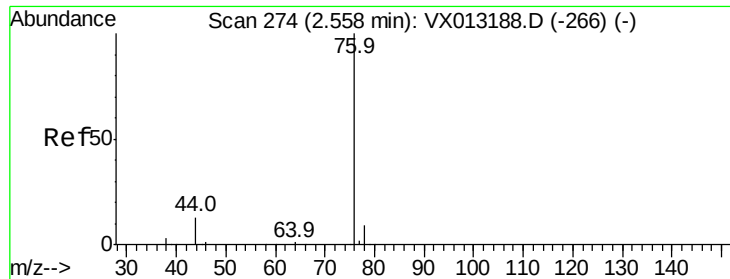
Delta R.T. -0.01 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Tgt Ion:	43	Resp:	87440
Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.8	35.6





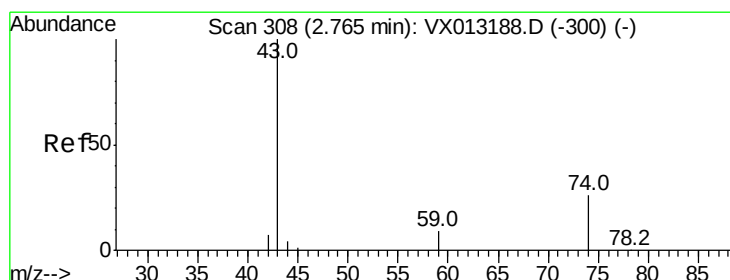
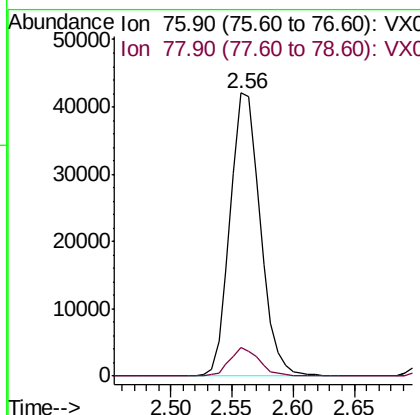
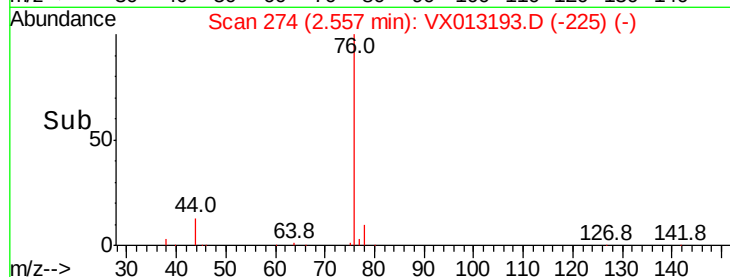
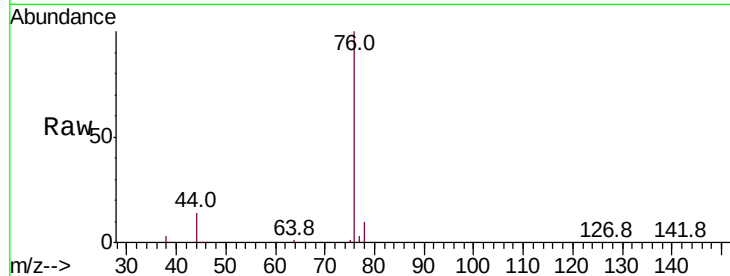
#17
Carbon Disulfide
Concen: 16.392 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS01

Tot Ion: 76 Resp: 71869
Ion Ratio Lower Upper
76 100
78 10.1 7.4 11.2

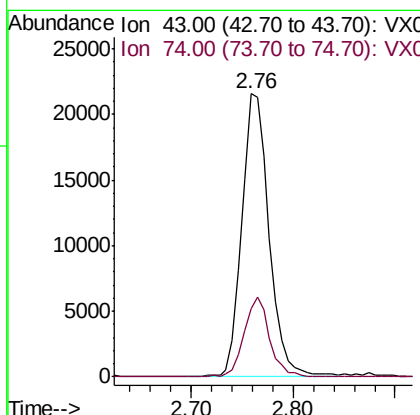
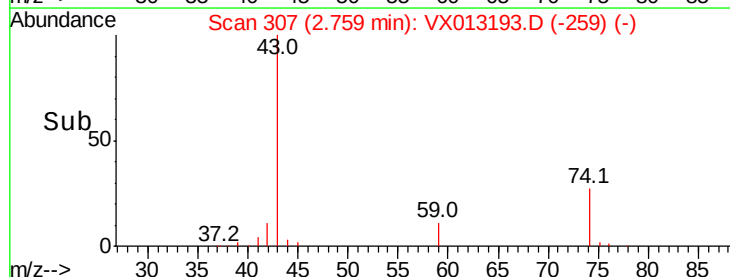
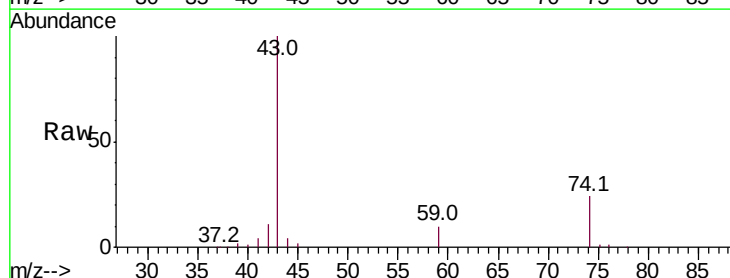
Manual Integrations
APPROVED

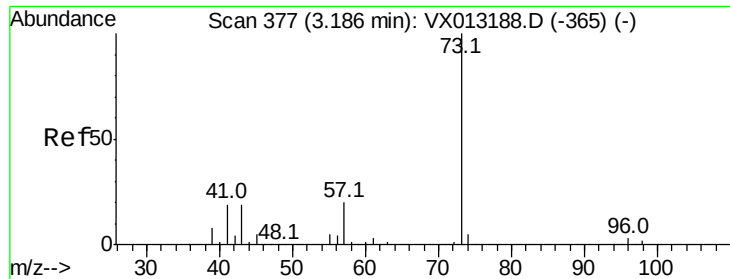
MMDadoda
10/25/2019 4:33:07 PM



#18
Methyl Acetate
Concen: 20.040 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Tgt Ion: 43 Resp: 40060
Ion Ratio Lower Upper
43 100
74 26.4 20.9 31.3





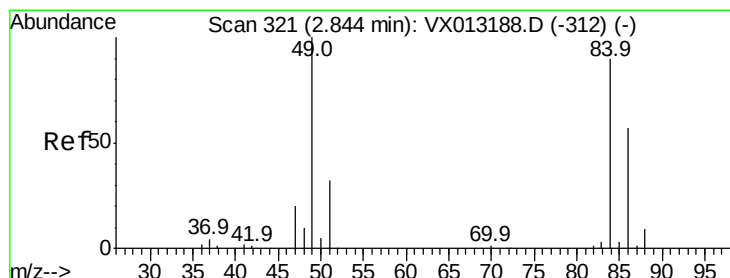
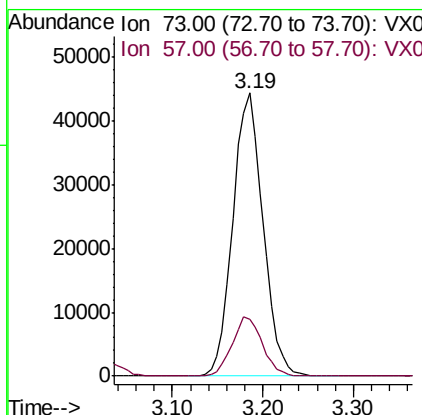
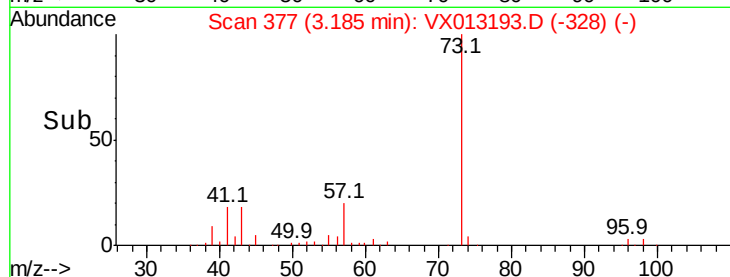
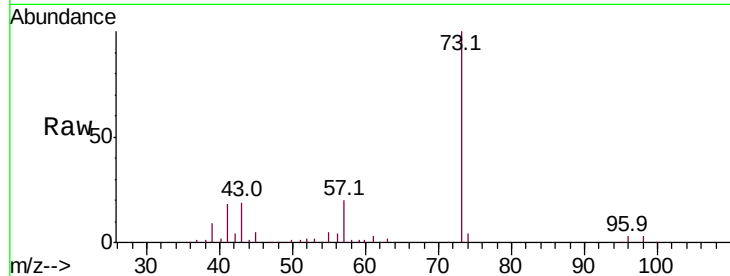
#19
Methyl tert-butyl Ether
Concen: 17.833 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS01

Tot Ion: 73 Resp: 102414
Ion Ratio Lower Upper
73 100
57 20.1 15.8 23.8

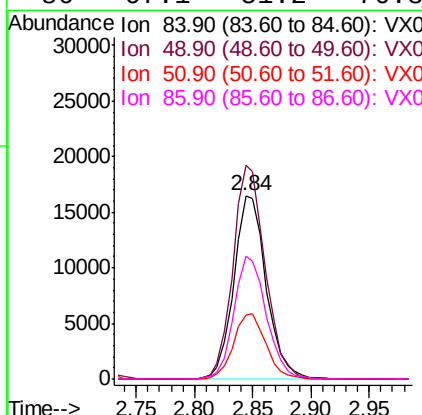
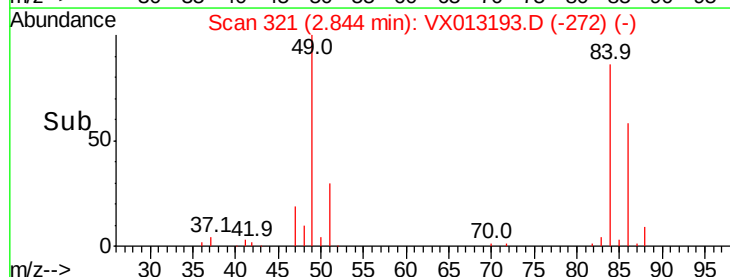
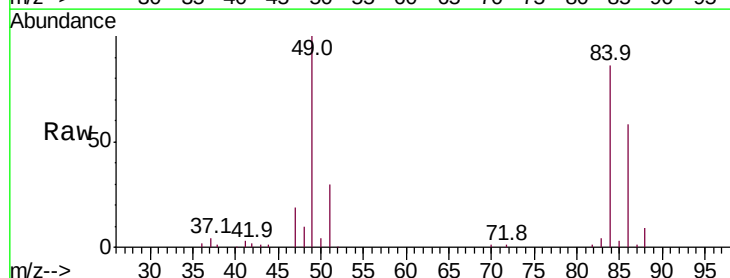
Manual Integrations
APPROVED

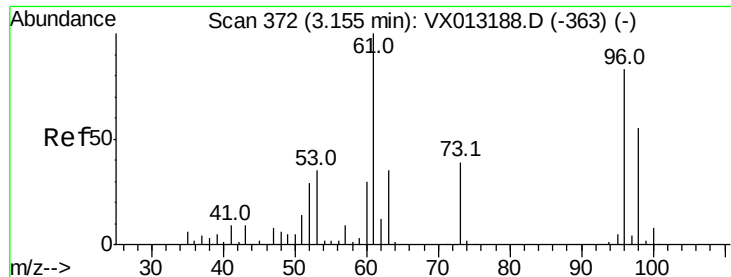
MMDadoda
10/25/2019 4:33:07 PM



#20
Methylene Chloride
Concen: 18.264 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Tgt Ion: 84 Resp: 31894
Ion Ratio Lower Upper
84 100
49 116.6 89.2 133.8
51 35.0 28.8 43.2
86 67.1 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 18.736 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Instrument :

MSVOA_X

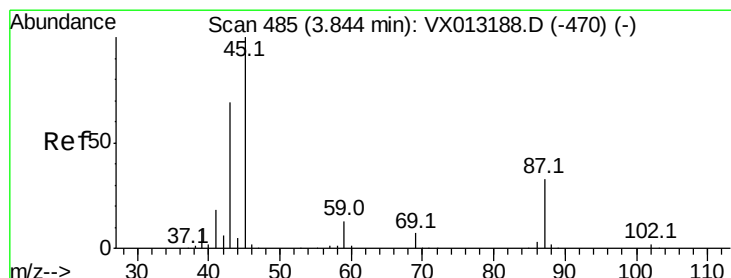
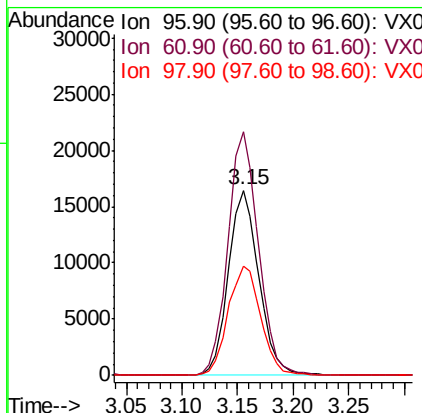
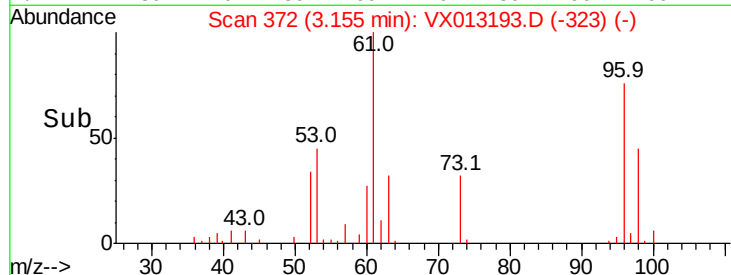
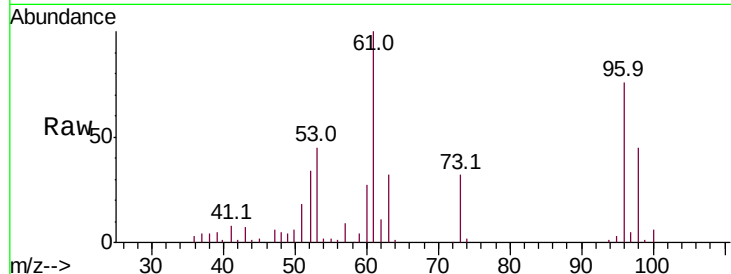
ClientSampleId :

VX1024WBS01

Tot Ion:	96	Resp:	31283
Ion	Ratio	Lower	Upper
96	100		
61	131.6	96.9	145.3
98	58.8	53.0	79.4

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:33:07 PM



#22

Diisopropyl ether

Concen: 18.123 ug/l

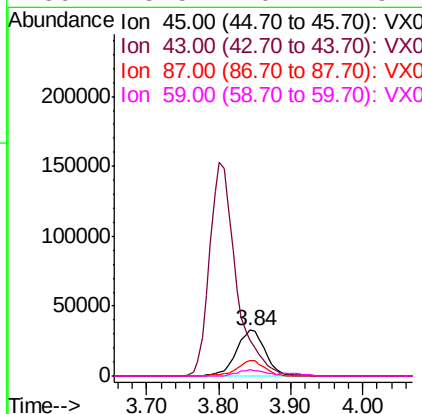
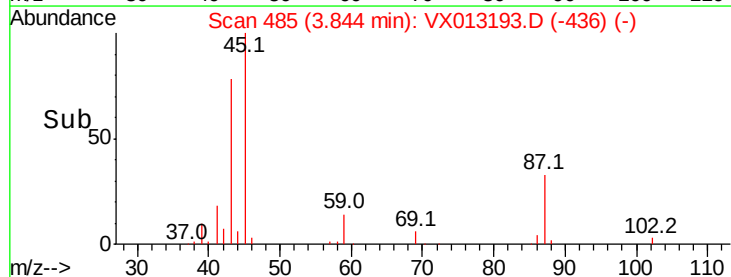
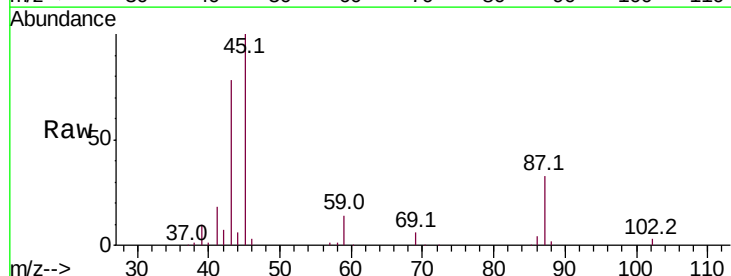
RT: 3.84 min Scan# 485

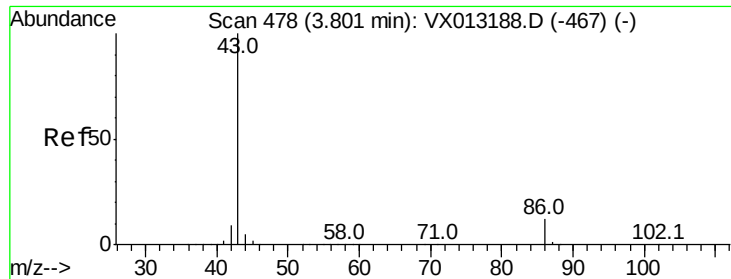
Delta R.T. -0.00 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Tgt Ion:	45	Resp:	90979
Ion	Ratio	Lower	Upper
45	100		
43	77.1	55.5	83.3
87	33.1	26.7	40.1
59	13.5	10.2	15.2





#23

Vinyl Acetate

Concen: 92.212 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS01

Tot Ion: 43 Resp: 393461

Ion Ratio Lower Upper

43 100

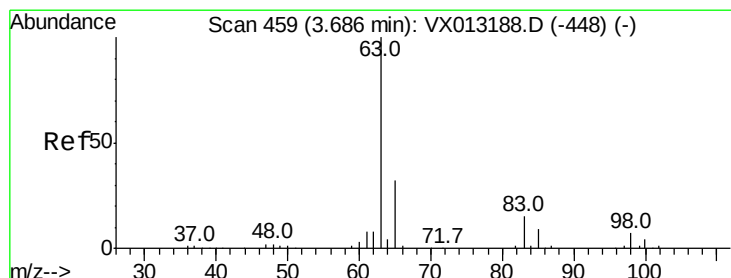
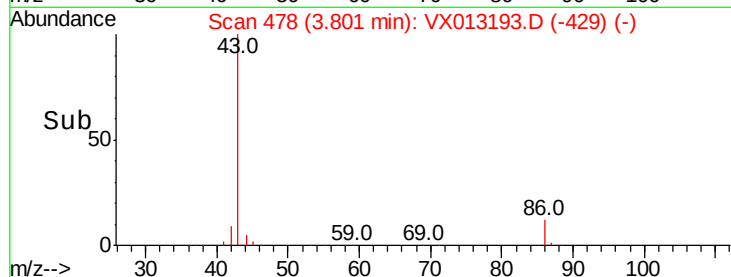
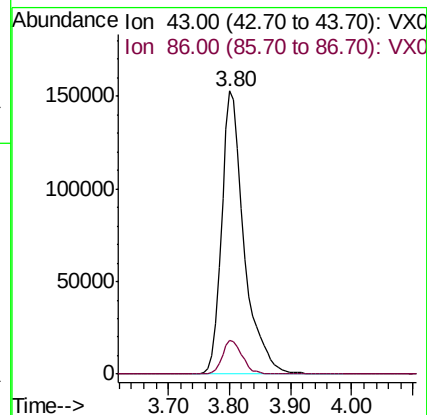
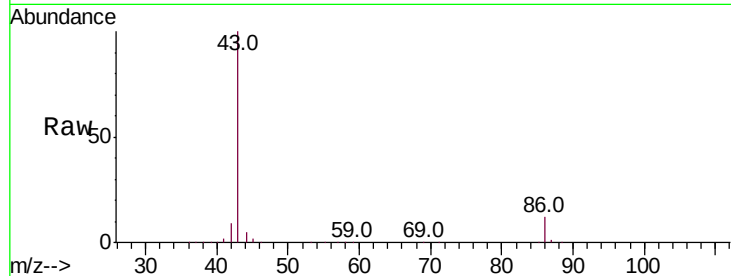
86 12.1 9.7 14.5

Manual Integrations

APPROVED

MMDadoda

10/25/2019 4:33:07 PM



#24

1,1-Dichloroethane

Concen: 17.419 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

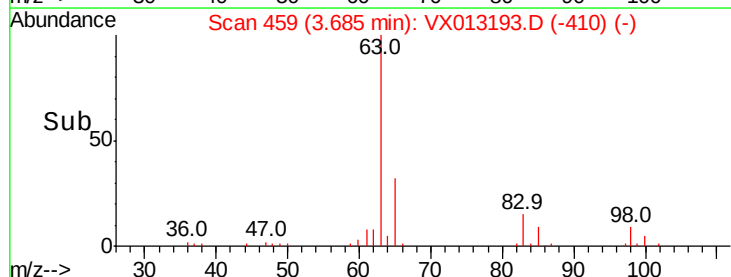
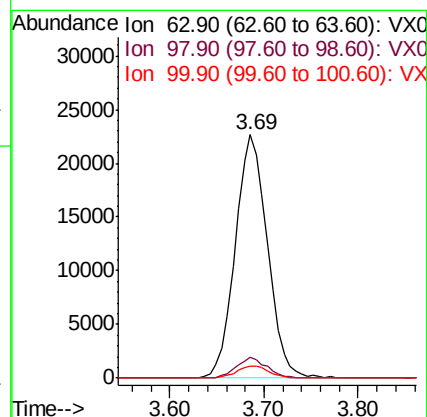
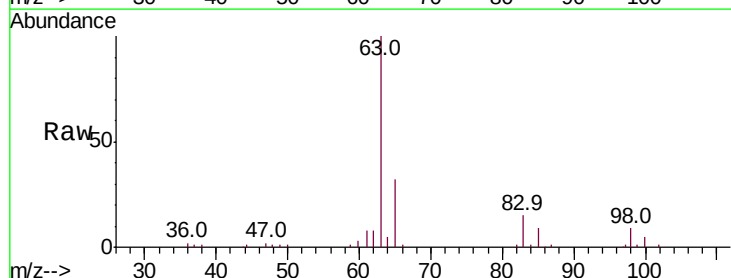
Tgt Ion: 63 Resp: 53788

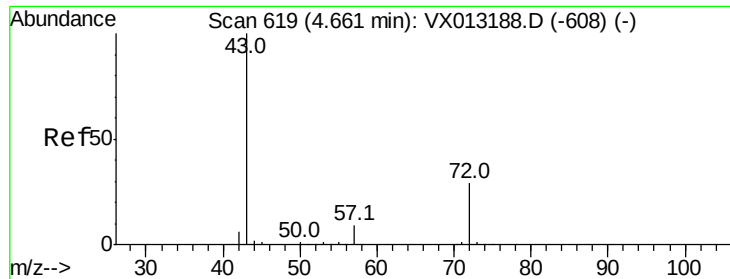
Ion Ratio Lower Upper

63 100

98 8.6 3.8 11.2

100 5.0 2.2 6.6





#25

2-Butanone

Concen: 94.222 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS01

Tot Ion: 43 Resp: 119202

Ion Ratio Lower Upper

43 100

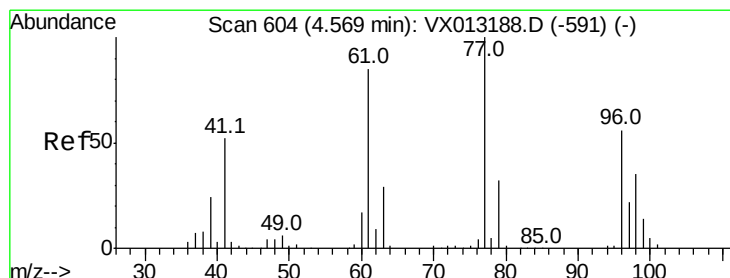
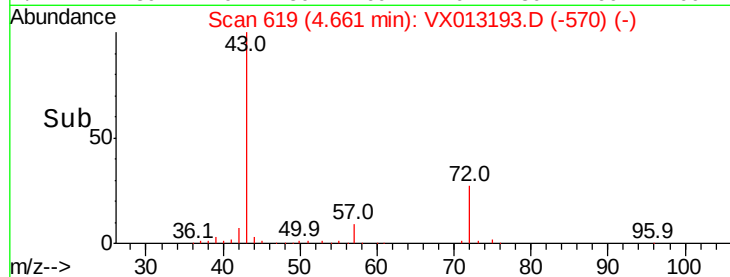
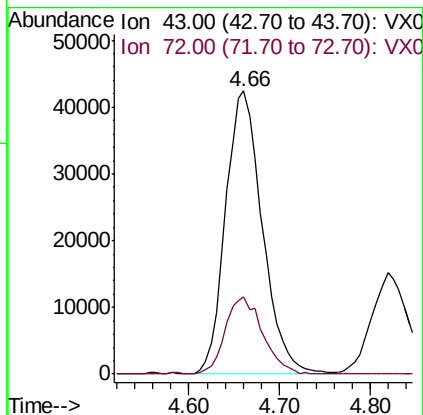
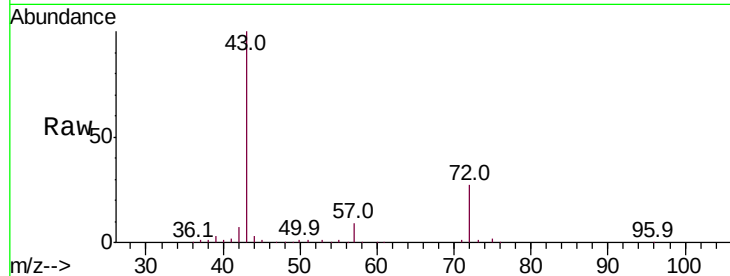
72 27.2 23.4 35.2

Manual Integrations

APPROVED

MMDadoda

10/25/2019 4:33:07 PM



#26

2,2-Dichloropropane

Concen: 17.123 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013193.D

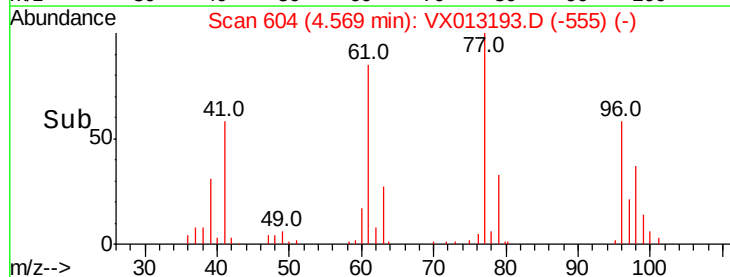
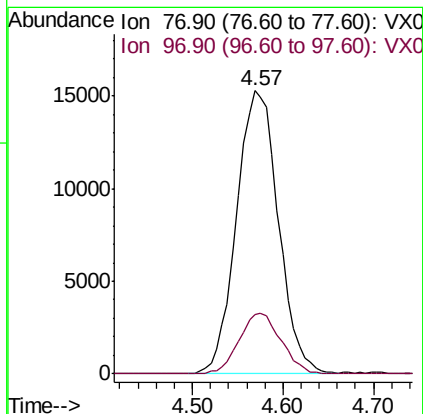
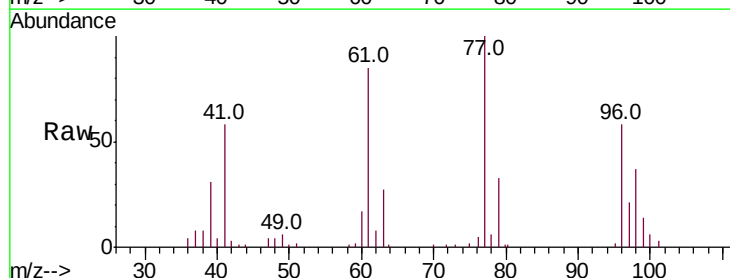
Acq: 23 Oct 2019 17:45

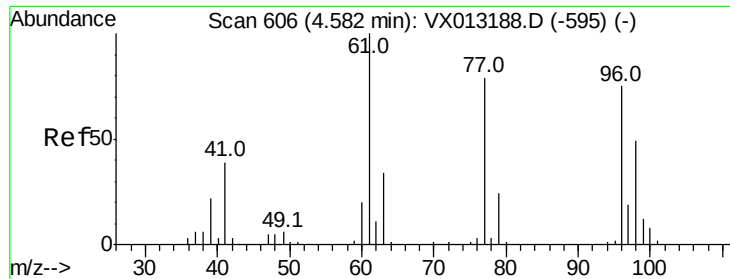
Tgt Ion: 77 Resp: 48864

Ion Ratio Lower Upper

77 100

97 21.3 10.9 32.6





#27

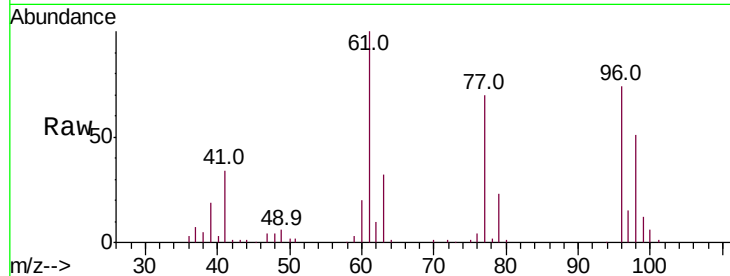
cis-1,2-Dichloroethene
Concen: 17.319 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	34591		
61	146.6		0.0	290.4
98	65.6		0.0	130.4

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:33:07 PM

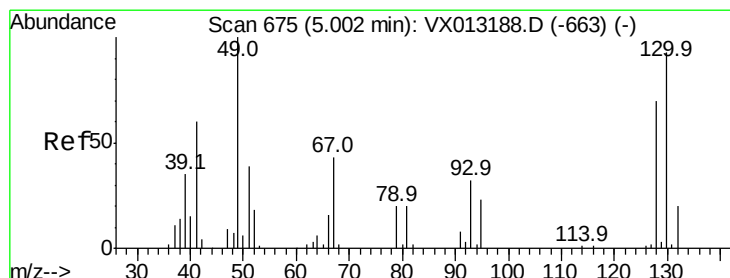
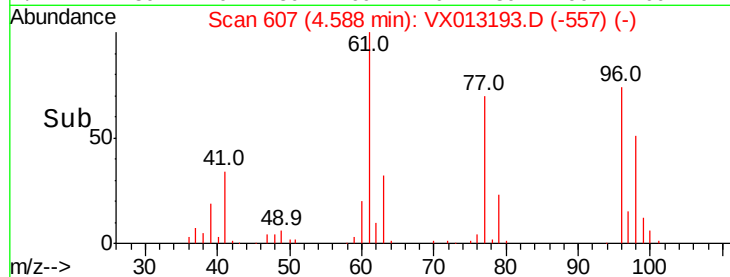
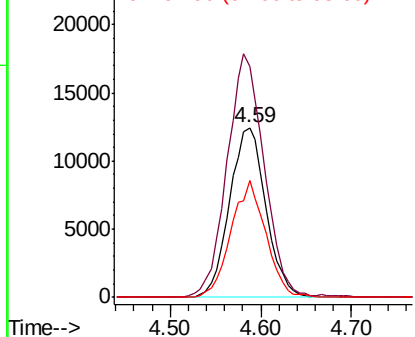


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

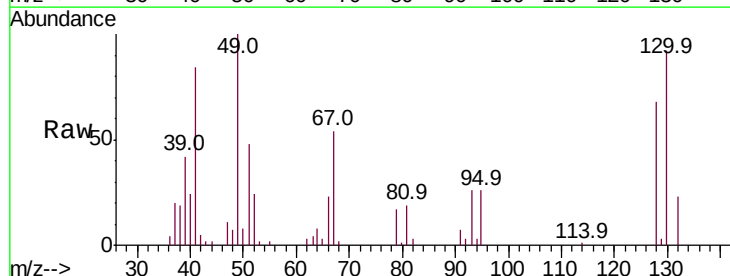
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 19.060 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	15176		
129	0.7		0.0	4.8
130	88.9		71.8	107.8

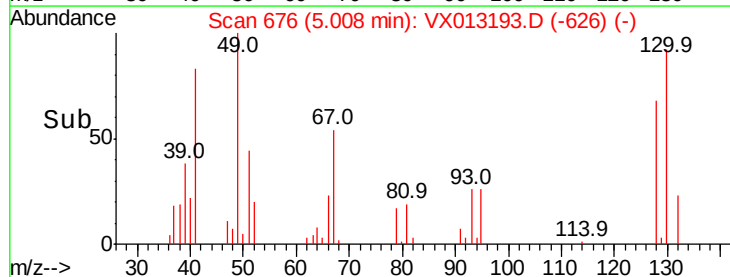
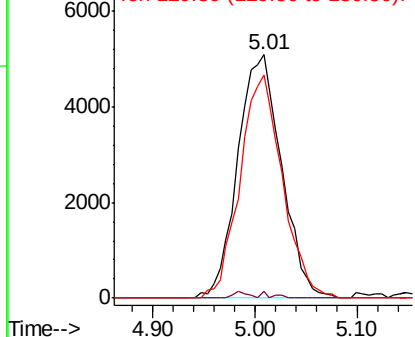


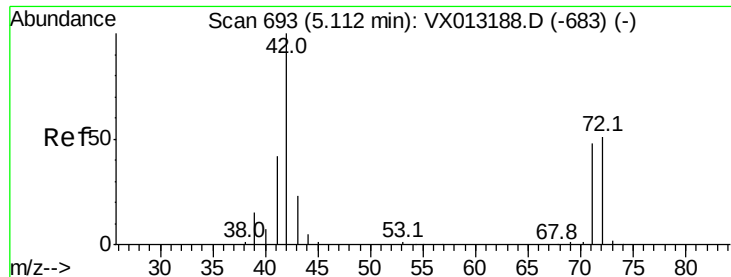
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 95.089 ug/l

RT: 5.11 min Scan# 693

Delta R.T. -0.00 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Instrument :

MSVOA_X

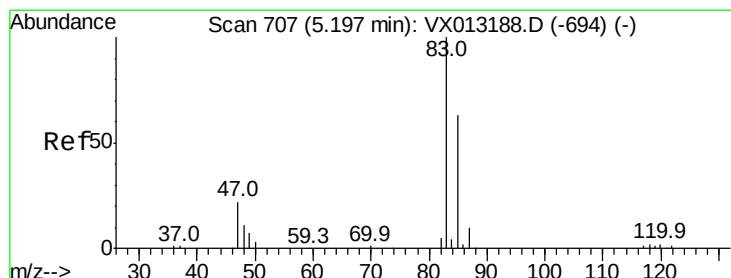
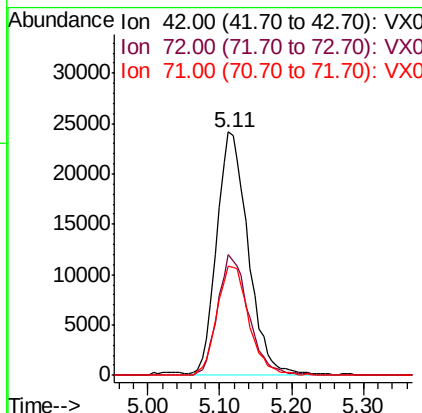
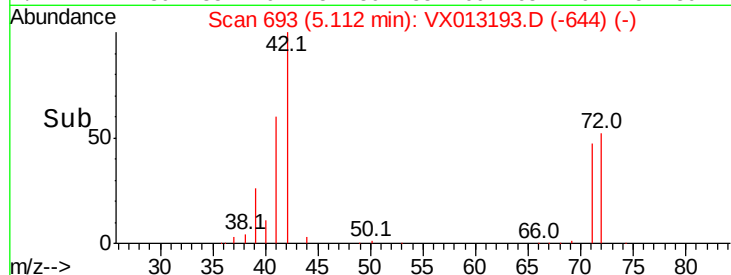
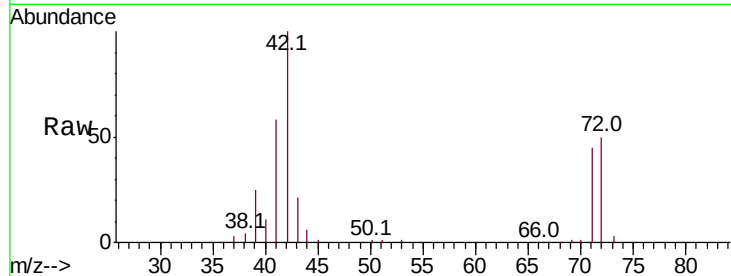
ClientSampleId :

VX1024WBS01

Tot Ion:	42	Resp:	72512
Ion	Ratio	Lower	Upper
42	100		
72	49.6	40.9	61.3
71	46.4	38.6	57.8

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:33:07 PM



#30

Chloroform

Concen: 17.595 ug/l

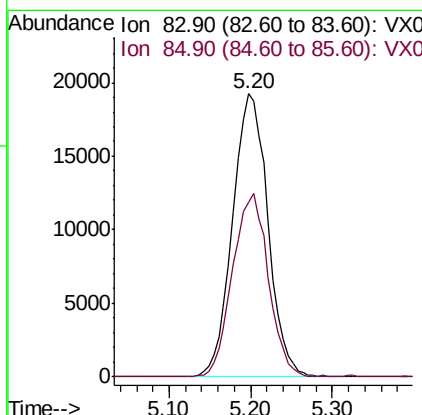
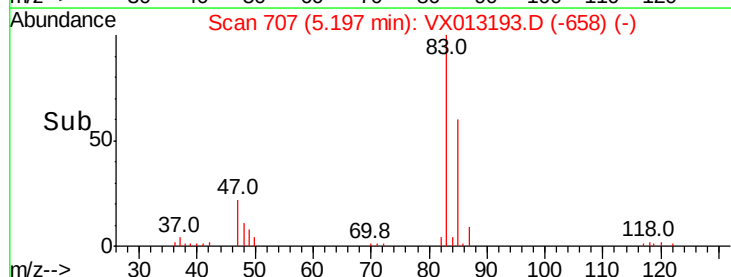
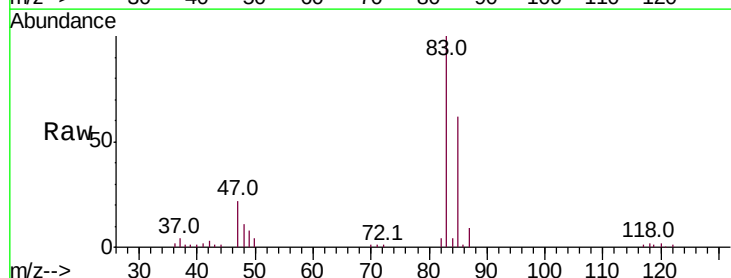
RT: 5.20 min Scan# 707

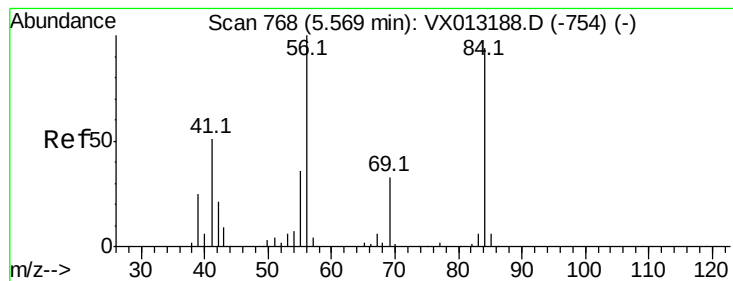
Delta R.T. -0.00 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Tgt Ion:	83	Resp:	57846
Ion	Ratio	Lower	Upper
83	100		
85	61.6	50.1	75.1





#31

Cyclohexane

Concen: 17.691 ug/l

RT: 5.58 min Scan# 769

Delta R.T. 0.01 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS01

Tot Ion: 56 Resp: 45812

Ion Ratio Lower Upper

56 100

69 34.1 26.3 39.5

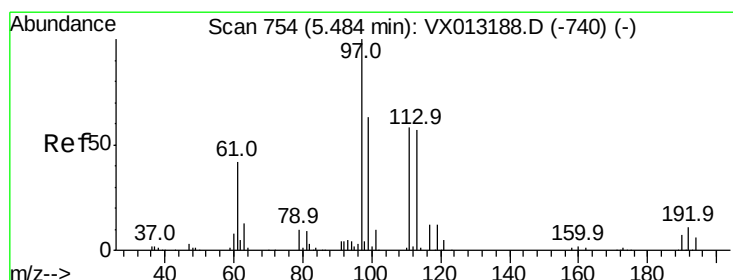
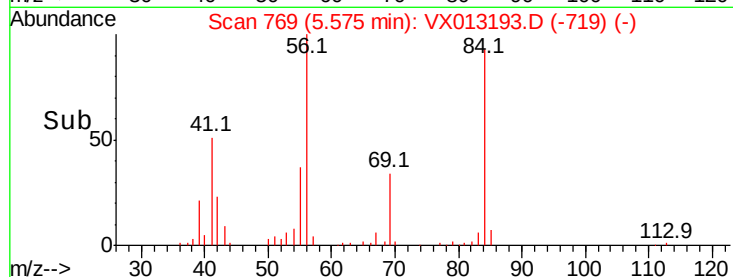
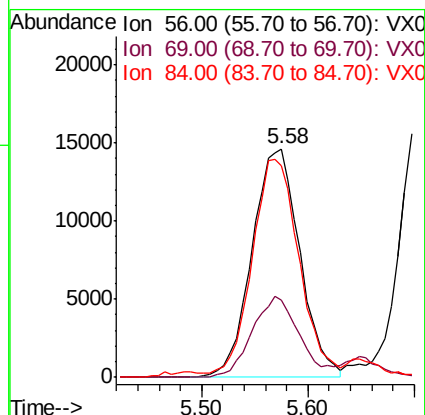
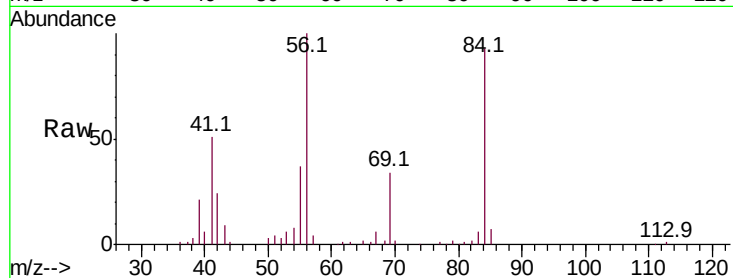
84 90.4 73.8 110.6

Manual Integrations

APPROVED

MMDadoda

10/25/2019 4:33:07 PM



#32

1,1,1-Trichloroethane

Concen: 17.811 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

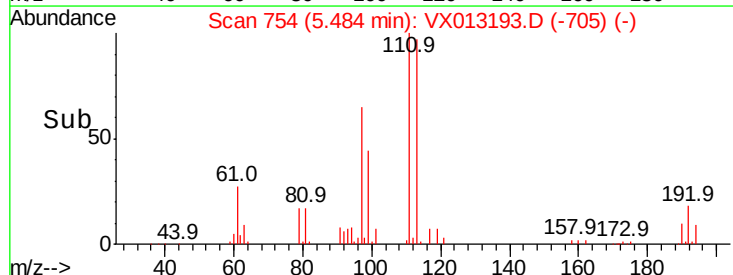
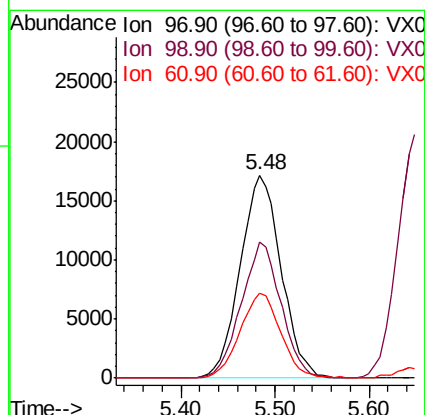
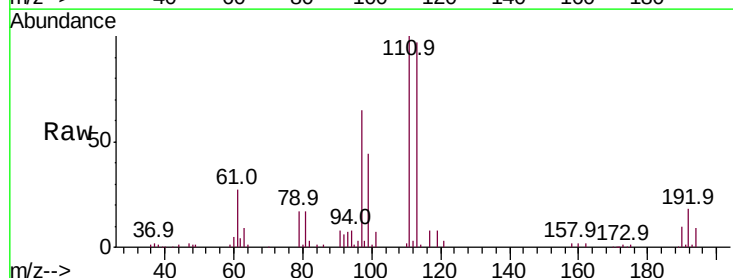
Tgt Ion: 97 Resp: 52064

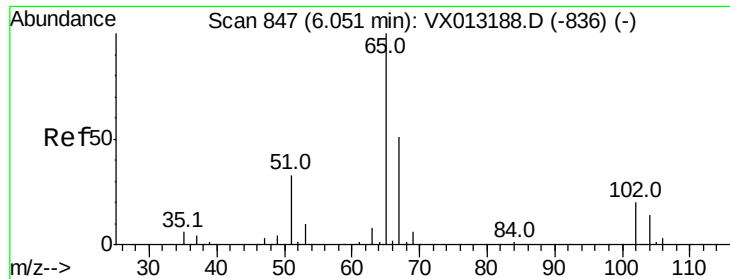
Ion Ratio Lower Upper

97 100

99 65.2 50.8 76.2

61 41.5 32.8 49.2





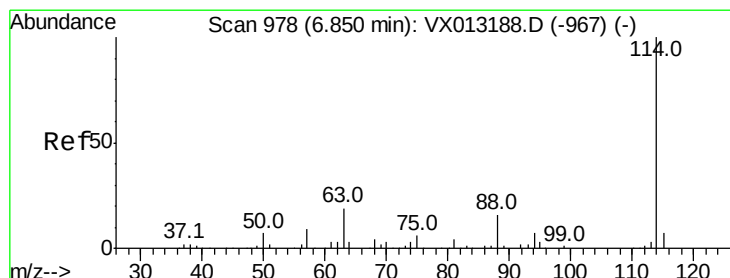
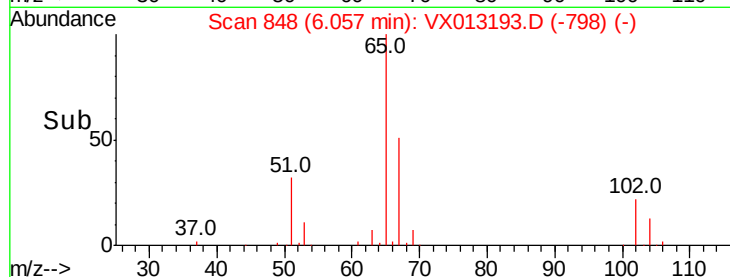
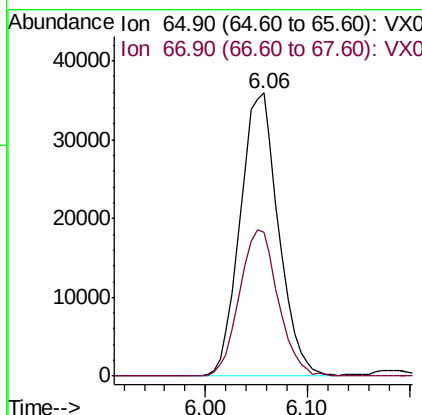
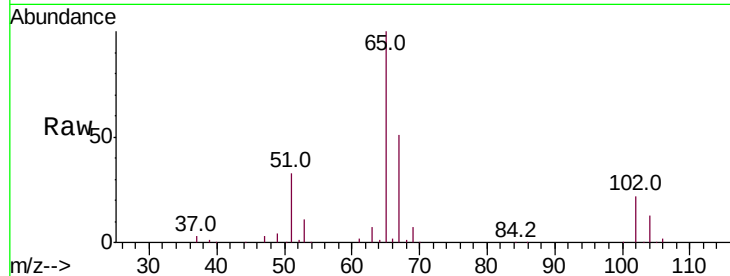
#33
 1,2-Dichloroethane-d4
 Concen: 47.023 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX013193.D
 Acq: 23 Oct 2019 17:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	102.6

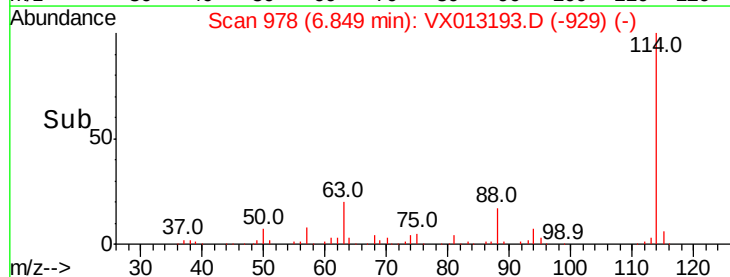
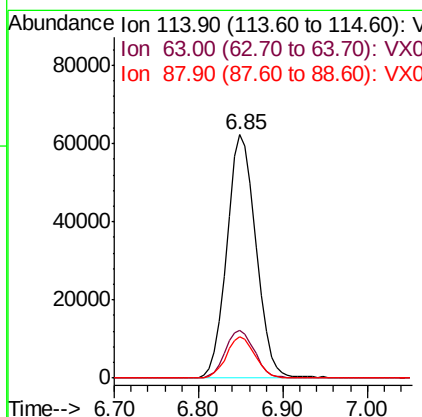
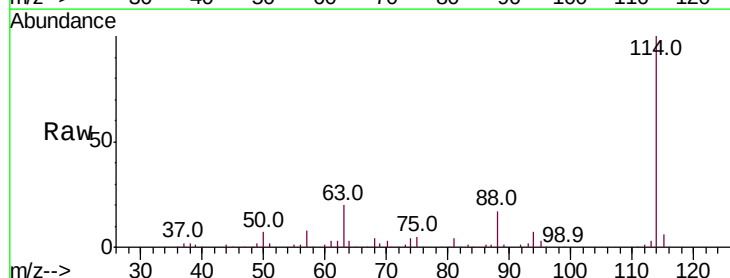
Manual Integrations
 APPROVED

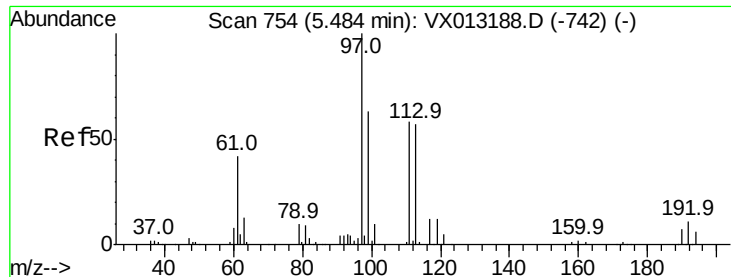
MMDadoda
 10/25/2019 4:33:07 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013193.D
 Acq: 23 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	39.0
88	17.2	0.0	32.0





#35

Dibromofluoromethane

Concen: 45.411 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Instrument :

MSVOA_X

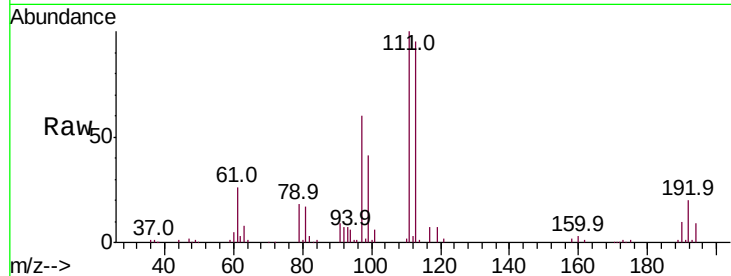
ClientSampleId :

VX1024WBS01

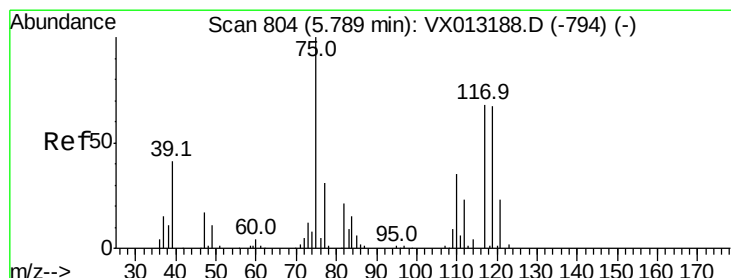
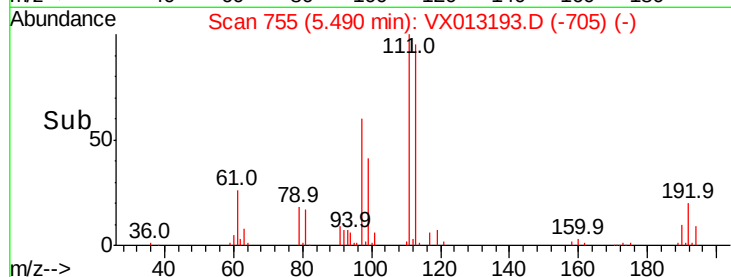
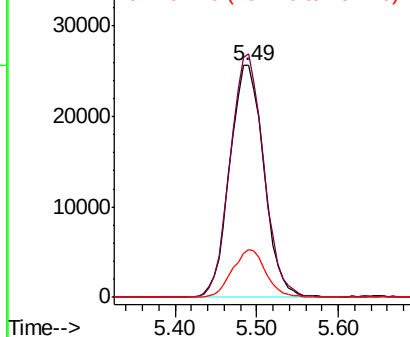
Tot Ion:	113	Resp:	74237
Ion Ratio	Lower	Upper	
113	100		
111	103.0	80.3	120.5
192	20.1	15.9	23.9

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:33:07 PM



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



#36

1,1-Dichloropropene

Concen: 17.045 ug/l

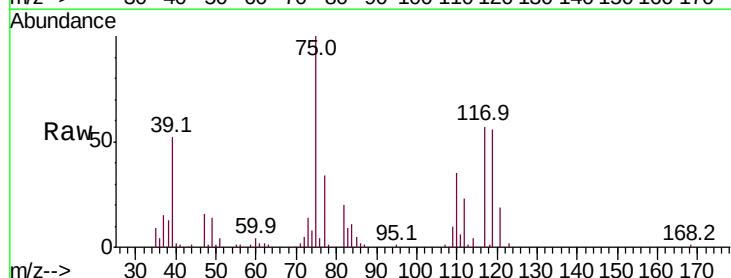
RT: 5.79 min Scan# 805

Delta R.T. 0.01 min

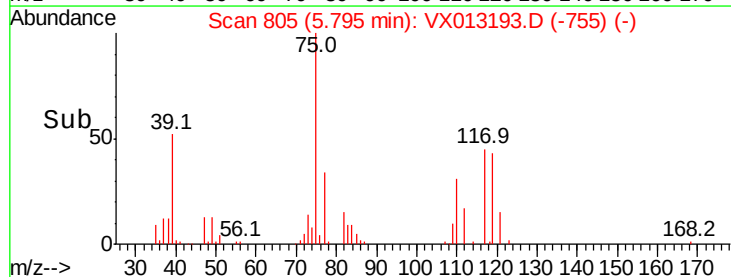
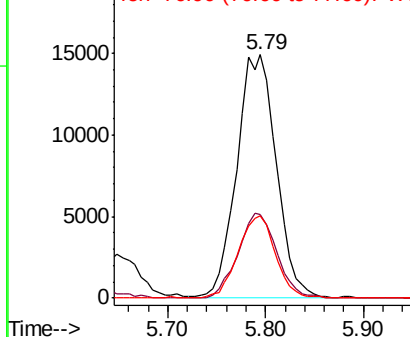
Lab File: VX013193.D

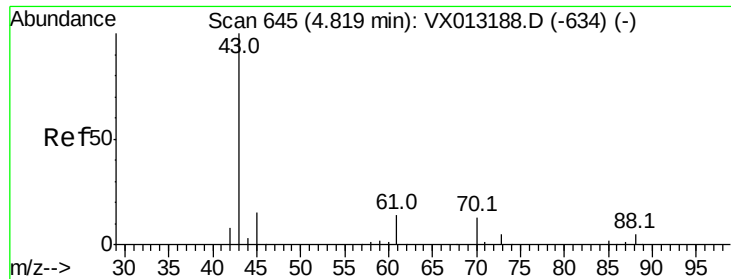
Acq: 23 Oct 2019 17:45

Tgt Ion:	75	Resp:	41953
Ion Ratio	Lower	Upper	
75	100		
110	34.1	17.6	52.9
77	31.9	24.7	37.1



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





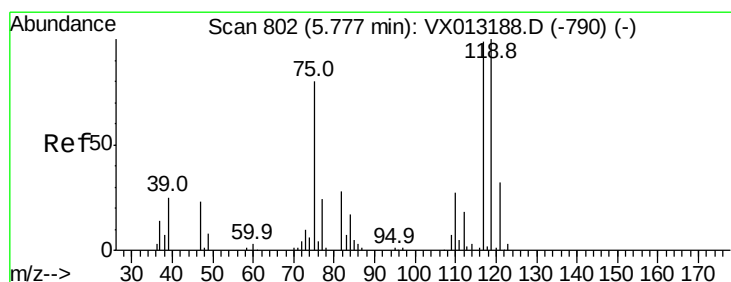
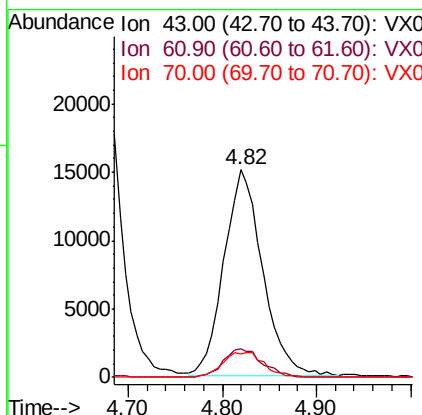
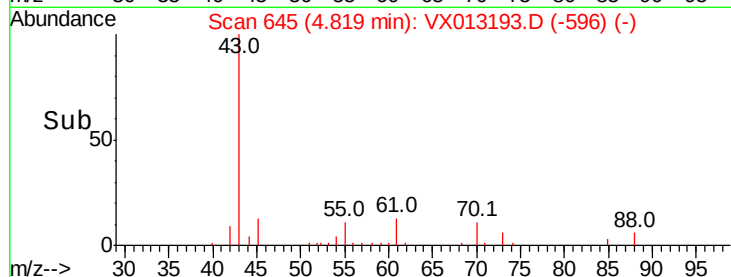
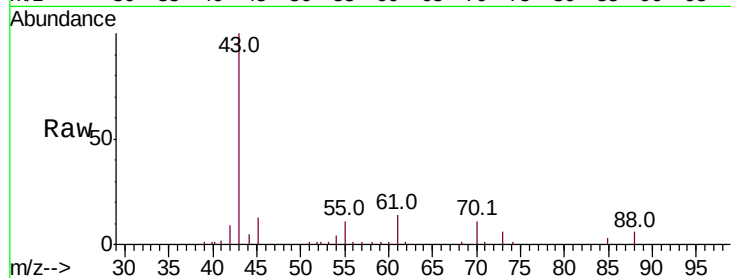
#37
Ethyl Acetate
Concen: 17.586 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	12.1	18.1
70	12.8	10.4	15.6

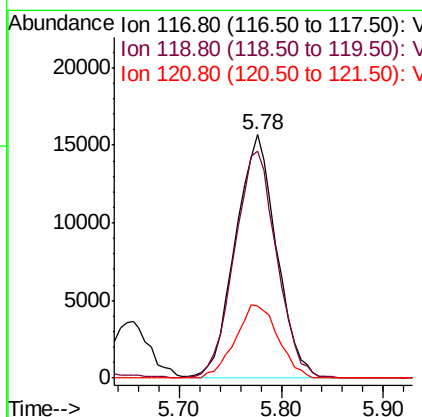
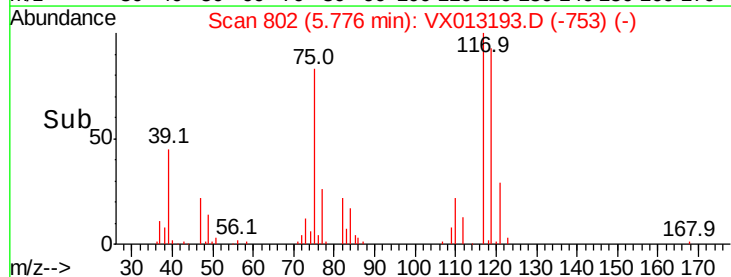
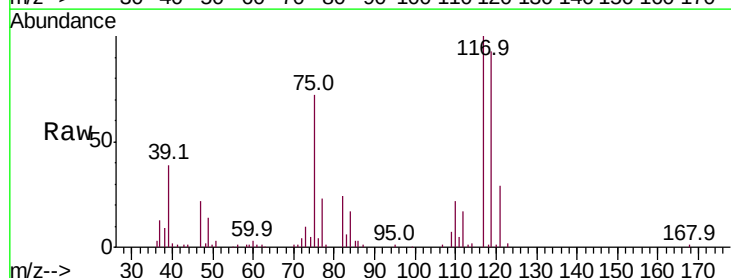
Manual Integrations
APPROVED

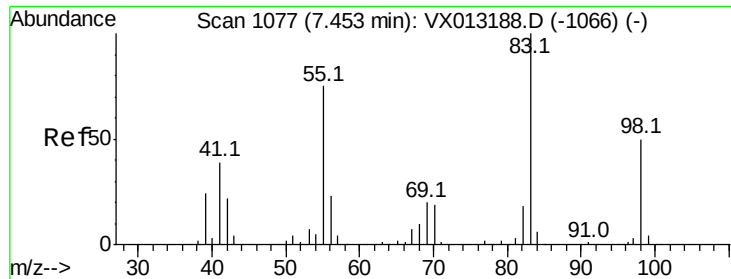
MMDadoda
10/25/2019 4:33:07 PM



#38
Carbon Tetrachloride
Concen: 16.209 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	80.1	120.1
121	29.4	25.5	38.3





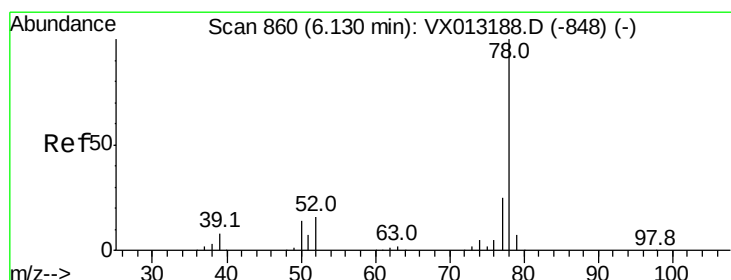
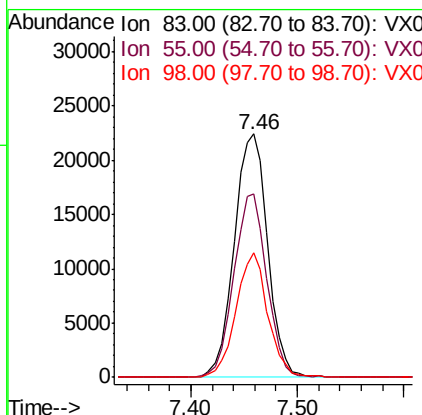
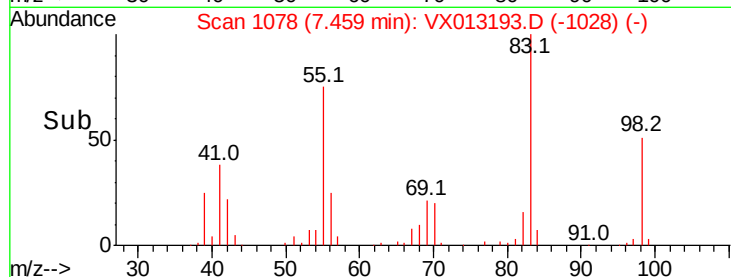
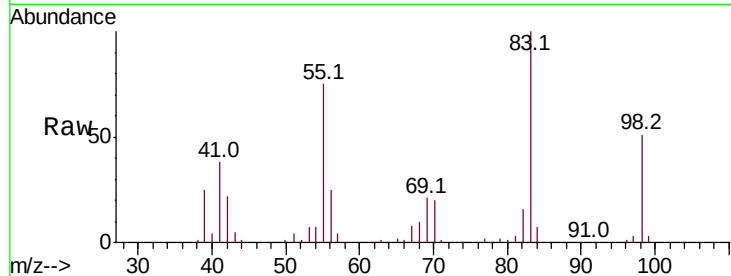
#39
Methylvlcyclohexane
Concen: 15.719 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	60.1	90.1
98	51.2	39.8	59.8

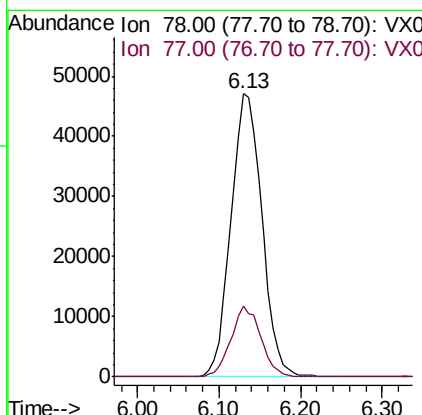
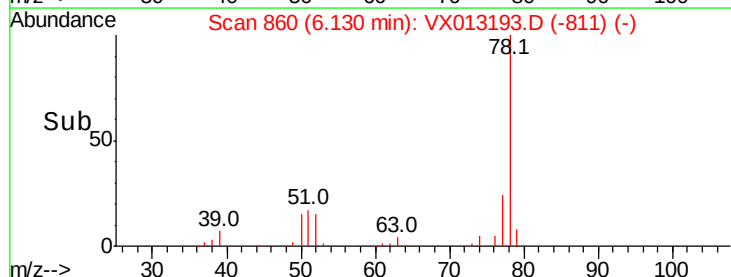
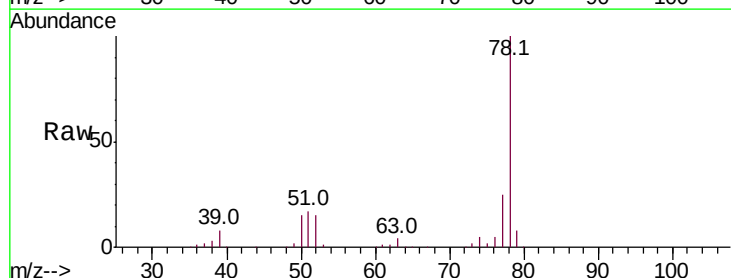
Manual Integrations
APPROVED

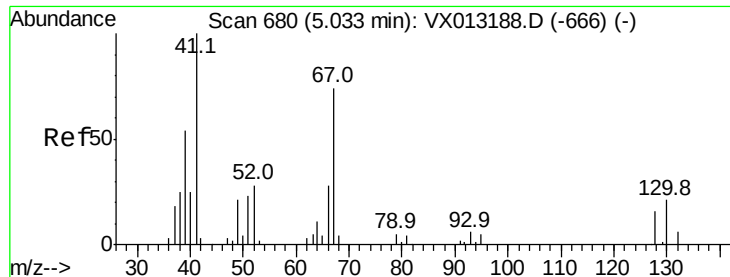
MMDadoda
10/25/2019 4:33:07 PM



#40
Benzene
Concen: 16.784 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.6	29.4





#41

Methacrylonitrile

Concen: 18.266 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.01 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS01

Tot Ion: 41 Resp: 23924

Ion Ratio Lower Upper

41 100

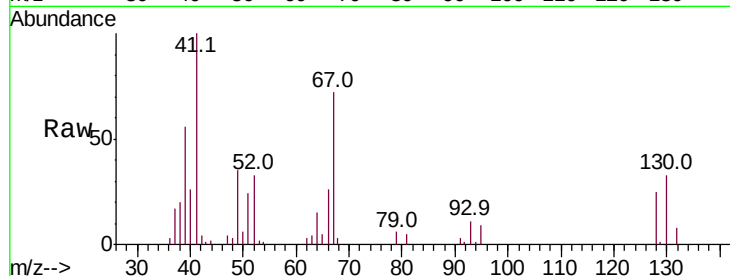
39 54.9 45.2 67.8

67 72.7 61.3 91.9

52 30.0 25.1 37.7

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:33:07 PM

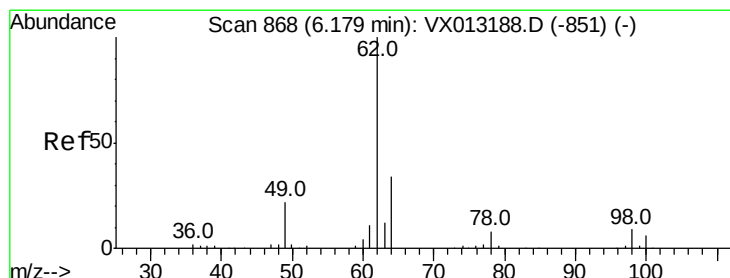
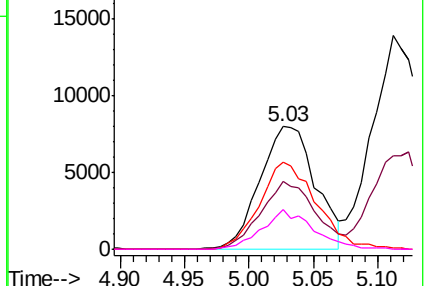
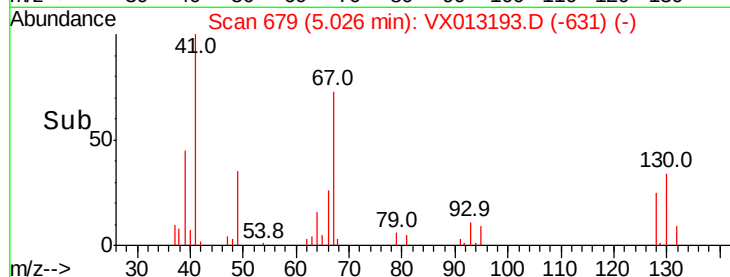


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 16.901 ug/l

RT: 6.18 min Scan# 869

Delta R.T. 0.01 min

Lab File: VX013193.D

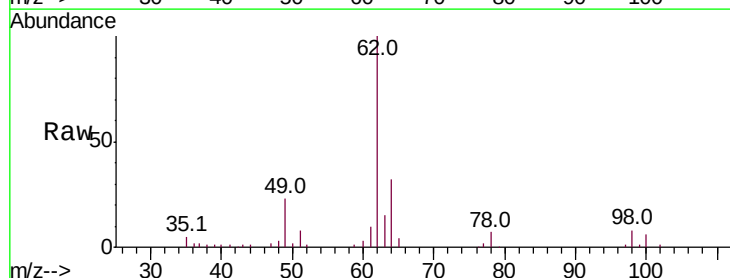
Acq: 23 Oct 2019 17:45

Tgt Ion: 62 Resp: 46922

Ion Ratio Lower Upper

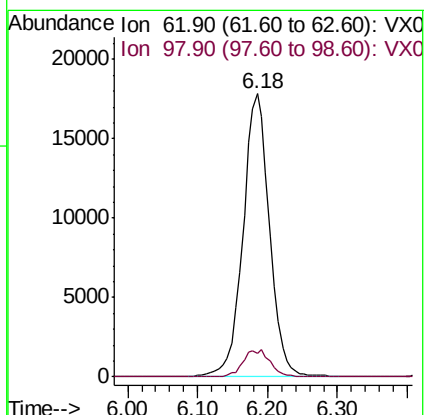
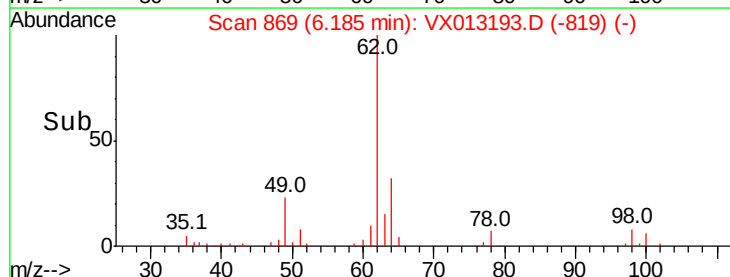
62 100

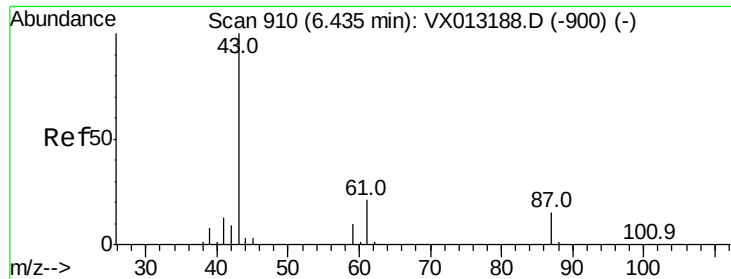
98 9.7 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 17.505 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Instrument :

MSVOA_X

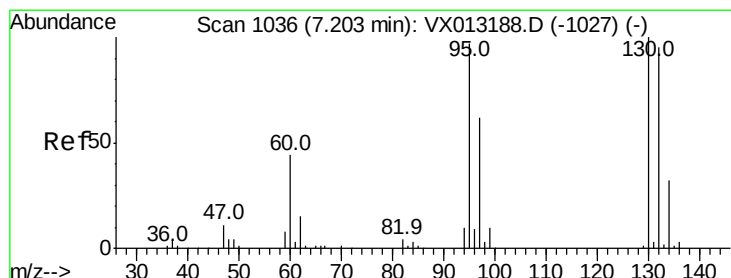
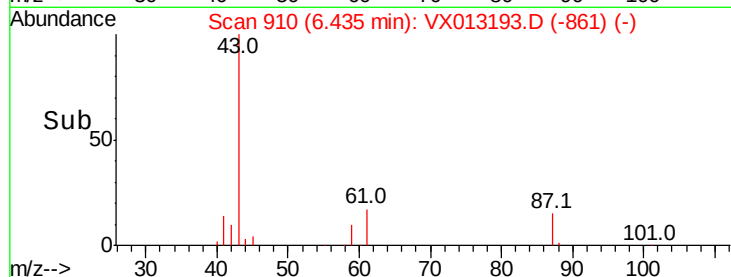
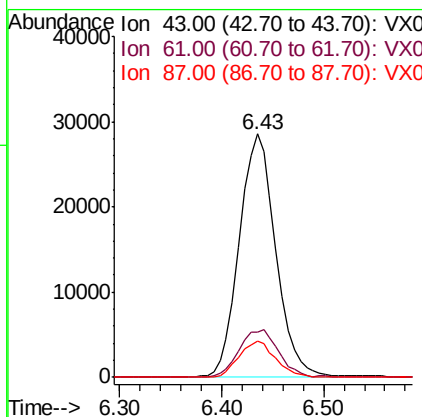
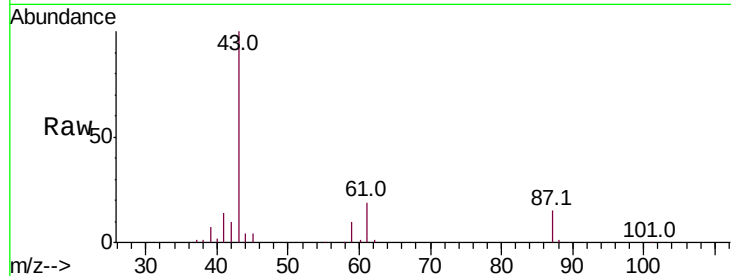
ClientSampleId :

VX1024WBS01

Tot Ion:	43	Resp:	71003
Ion	Ratio	Lower	Upper
43	100		
61	21.3	17.0	25.4
87	14.9	12.1	18.1

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:33:07 PM



#44

Trichloroethene

Concen: 16.551 ug/l

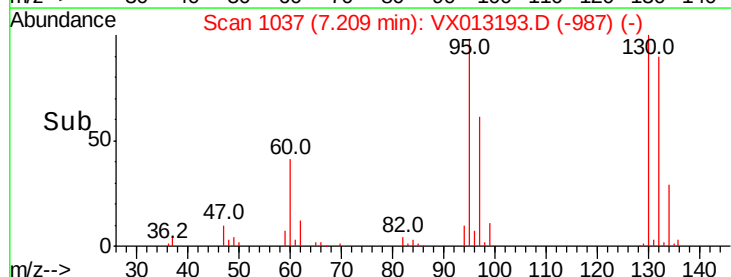
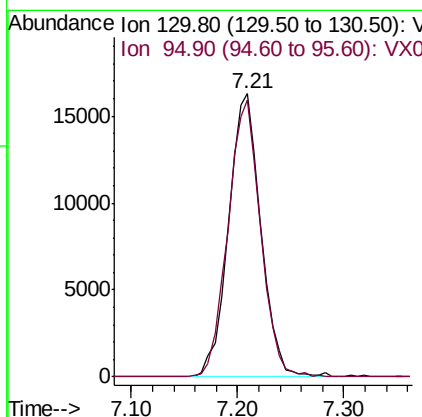
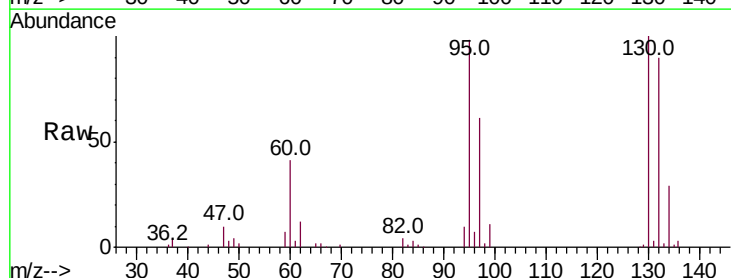
RT: 7.21 min Scan# 1037

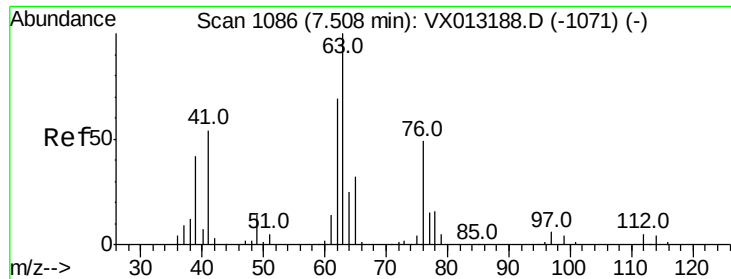
Delta R.T. 0.01 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Tgt Ion:	130	Resp:	34589
Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	193.6





#45

1,2-Dichloropropane

Concen: 17.009 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS01

Tot Ion: 63 Resp: 31370

Ion Ratio Lower Upper

63 100

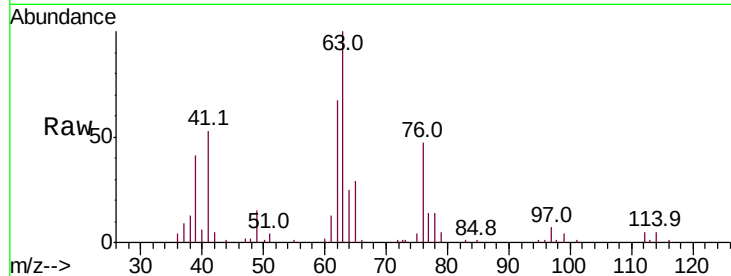
65 29.1 25.3 37.9

Manual Integrations

APPROVED

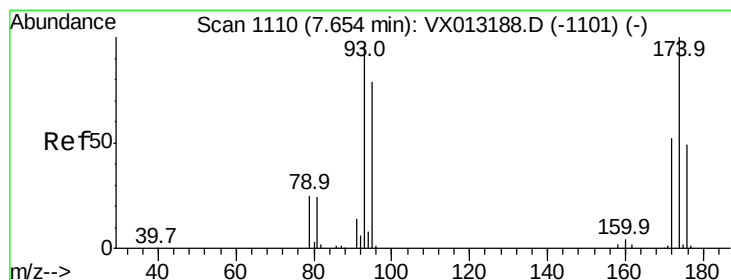
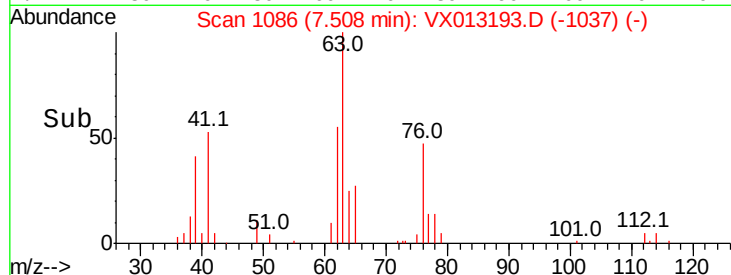
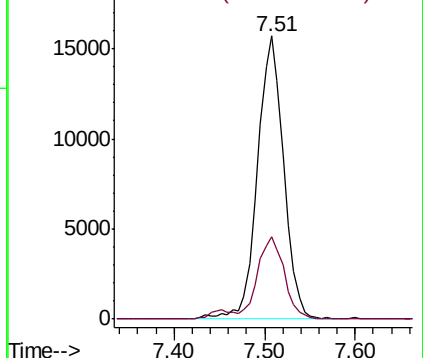
MMDadoda

10/25/2019 4:33:07 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 16.478 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

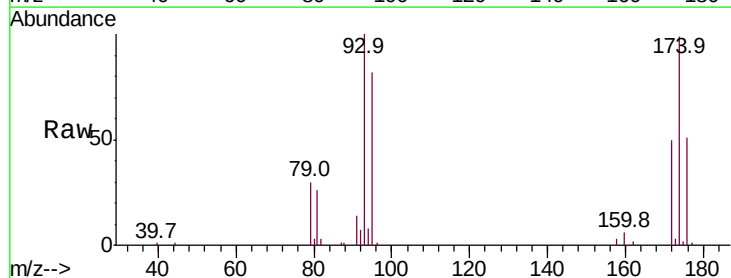
Tgt Ion: 93 Resp: 21895

Ion Ratio Lower Upper

93 100

95 82.0 66.2 99.4

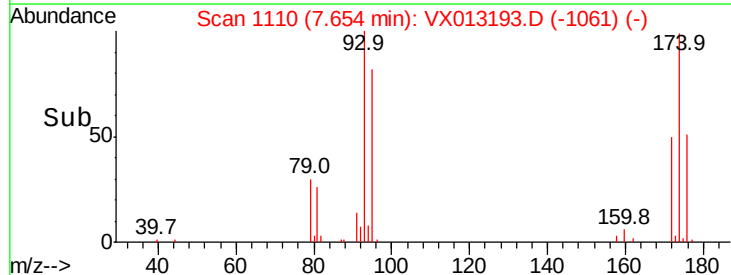
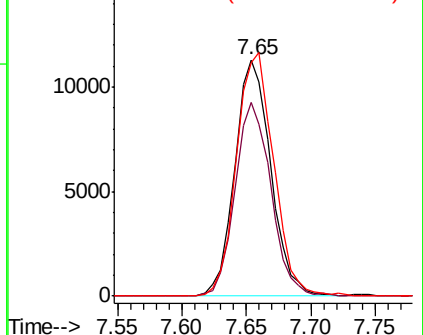
174 106.7 85.2 127.8

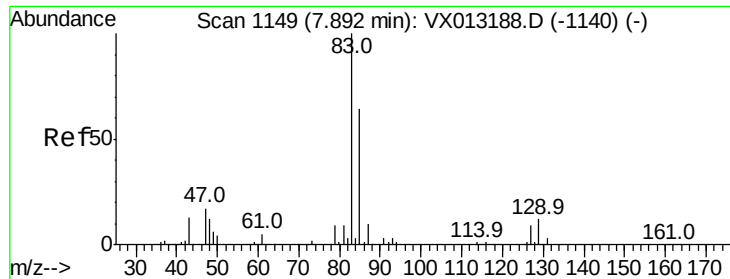


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 16.731 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Instrument :

MSVOA_X

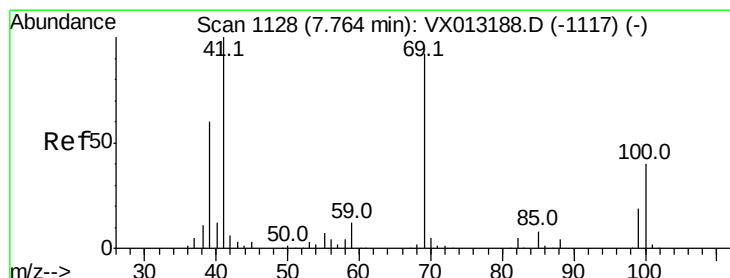
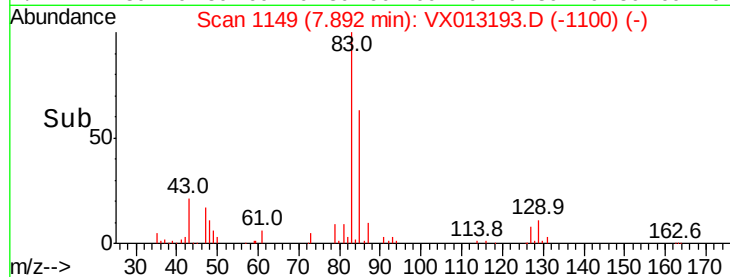
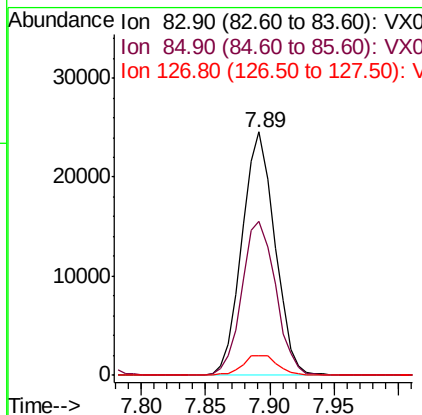
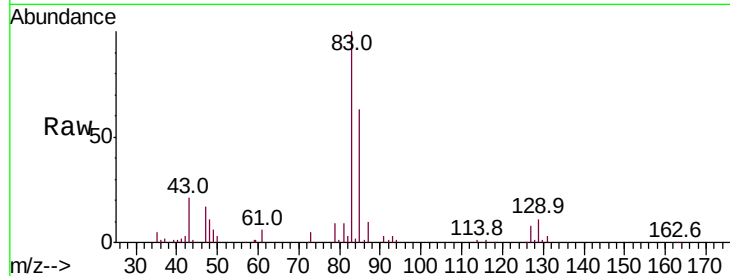
ClientSampleId :

VX1024WBS01

Tot Ion:	83	Resp:	43324
Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.0	76.6
127	8.0	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:33:07 PM



#48

Methyl methacrylate

Concen: 17.088 ug/l

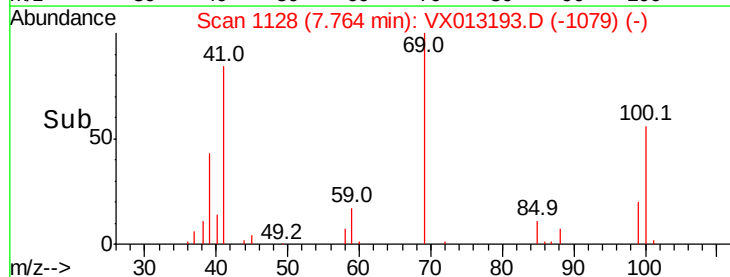
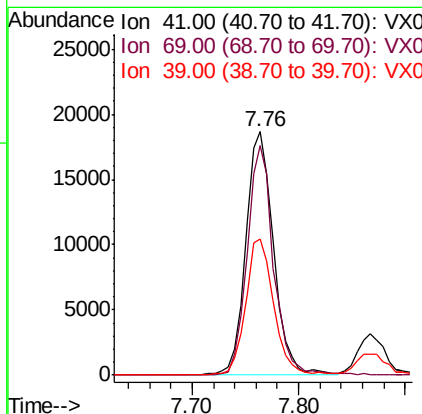
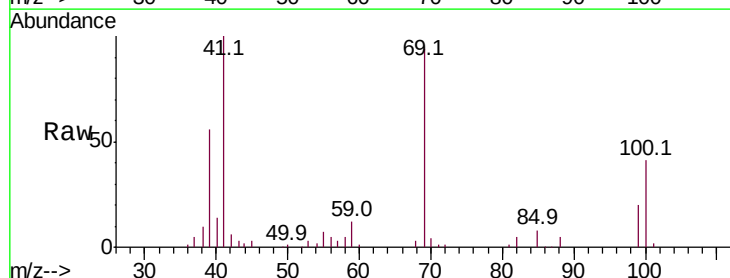
RT: 7.76 min Scan# 1128

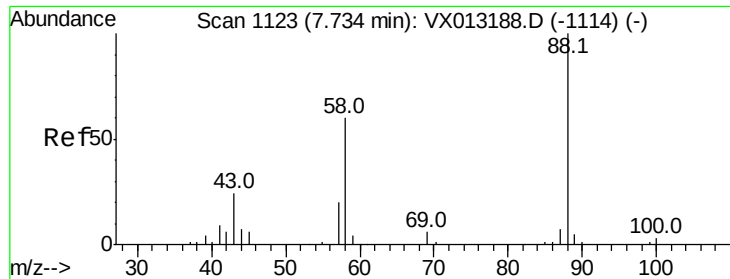
Delta R.T. -0.00 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Tgt Ion:	41	Resp:	34257
Ion	Ratio	Lower	Upper
41	100		
69	89.5	72.0	108.0
39	56.7	47.4	71.0





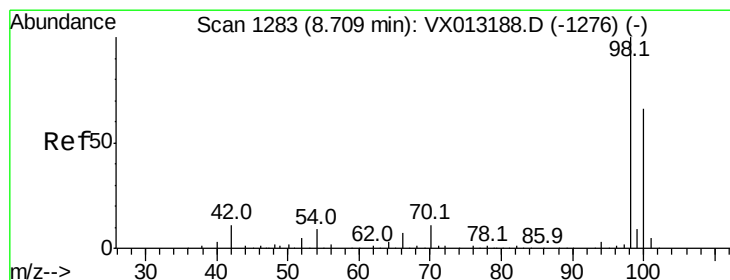
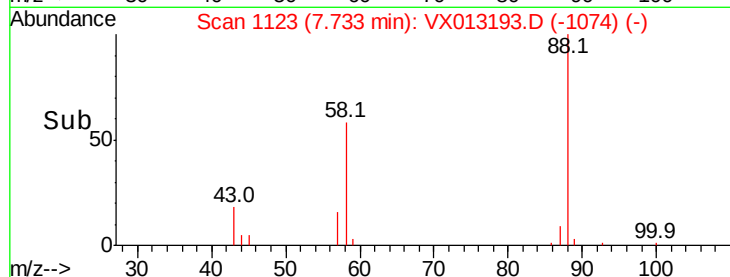
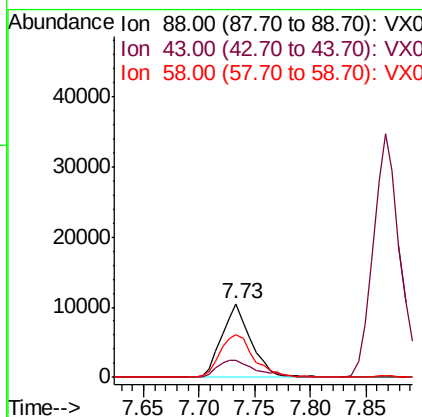
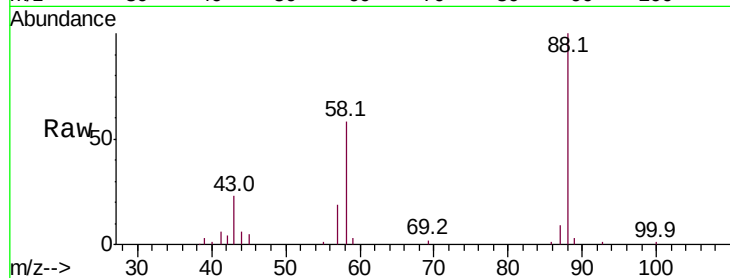
#49
1,4-Dioxane
Concen: 372.287 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	24.5	36.7
58	66.7	54.1	81.1

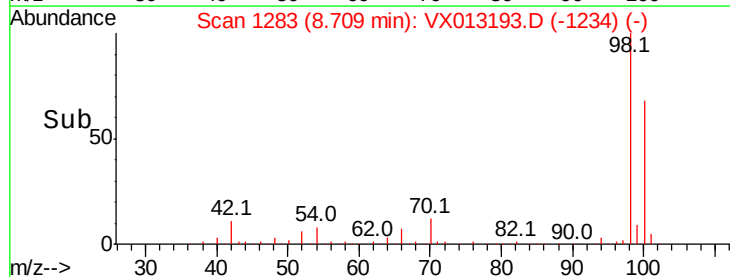
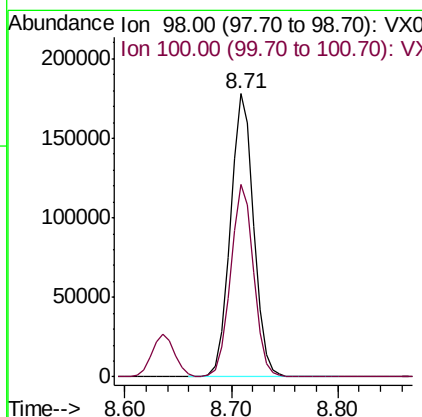
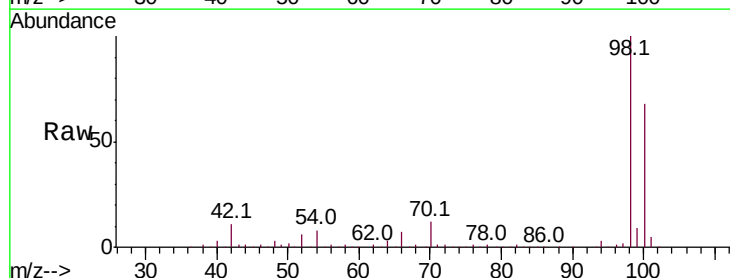
Manual Integrations
APPROVED

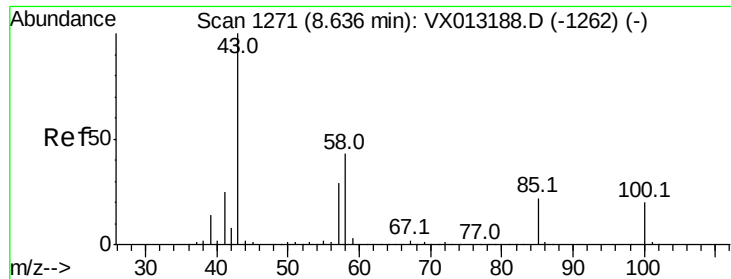
MMDadoda
10/25/2019 4:33:07 PM



#50
Toluene-d8
Concen: 45.040 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 88.814 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS01

Tot Ion: 43 Resp: 219575

Ion Ratio Lower Upper

43 100

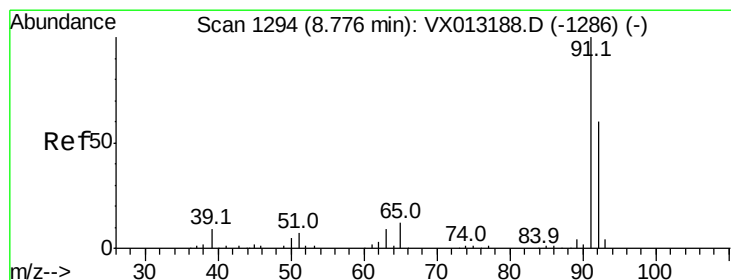
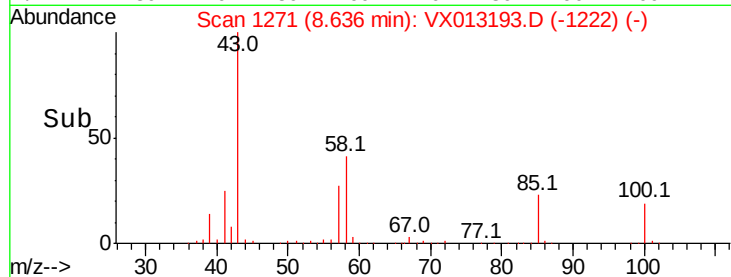
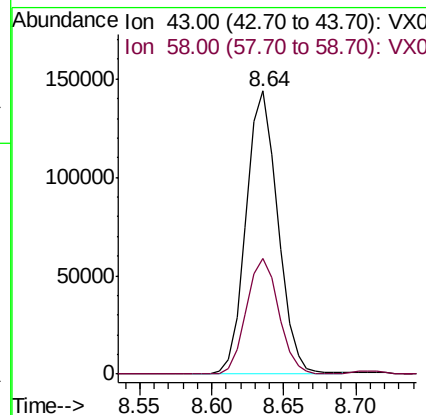
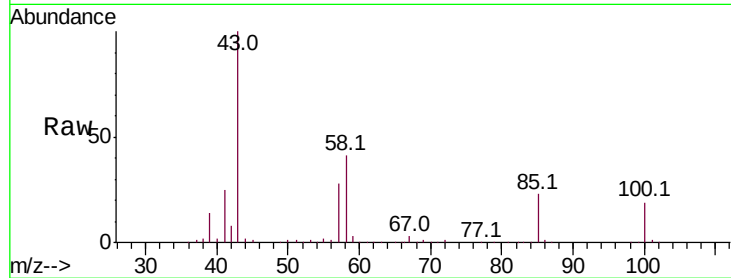
58 41.7 33.9 50.9

Manual Integrations

APPROVED

MMDadoda

10/25/2019 4:33:07 PM



#52

Toluene

Concen: 16.705 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX013193.D

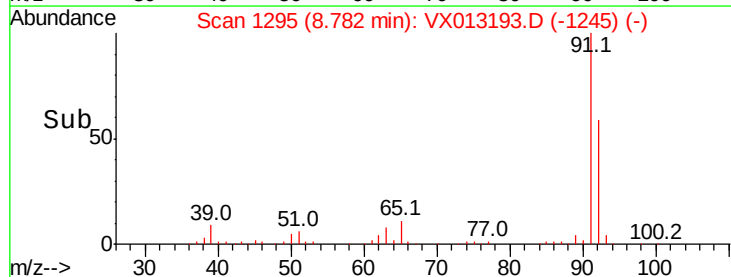
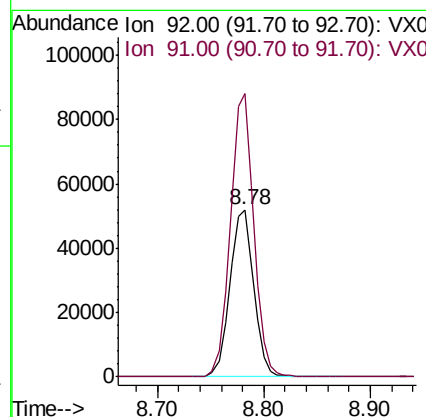
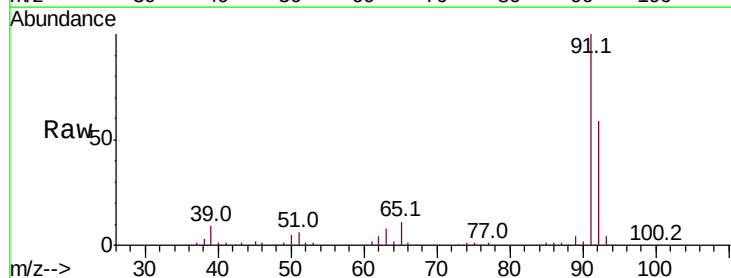
Acq: 23 Oct 2019 17:45

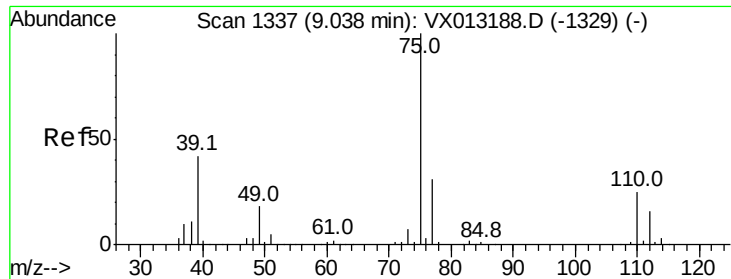
Tgt Ion: 92 Resp: 81517

Ion Ratio Lower Upper

92 100

91 166.0 133.9 200.9





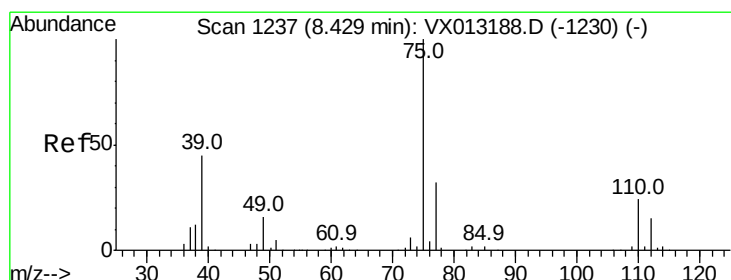
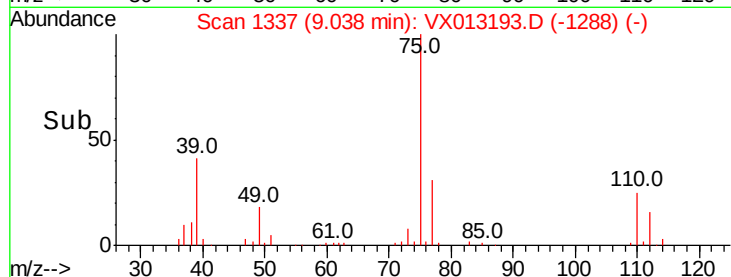
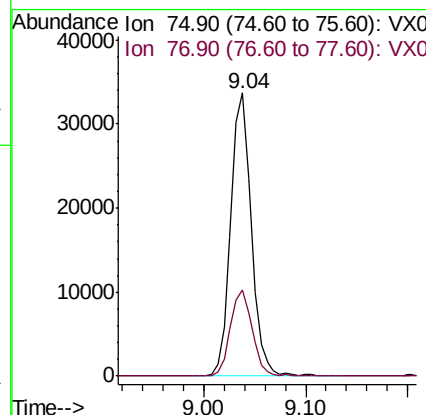
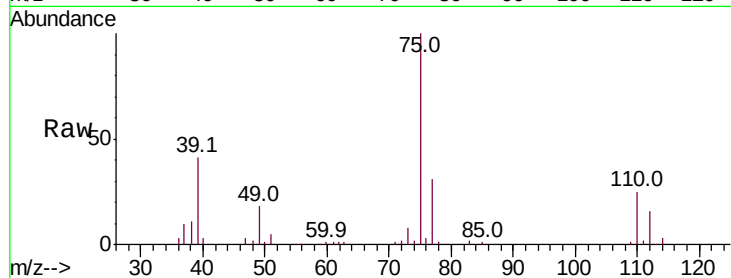
#53
t-1,3-Dichloropropene
Concen: 17.104 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS01

Tot Ion: 75 Resp: 47067
Ion Ratio Lower Upper
75 100
77 30.7 24.7 37.1

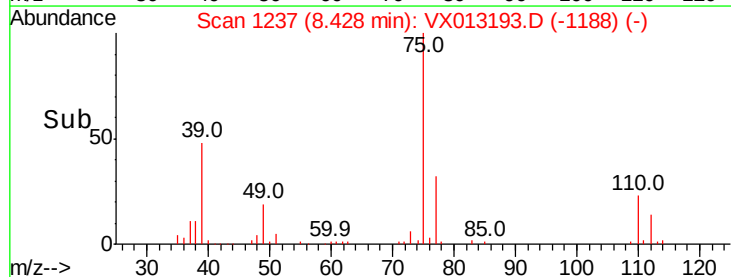
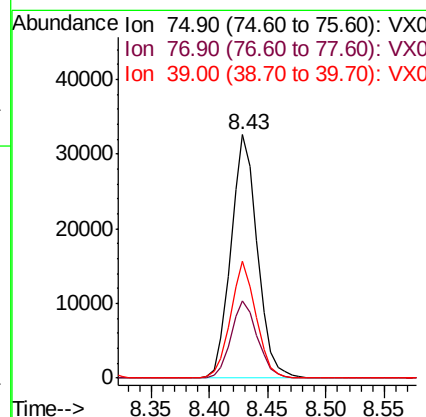
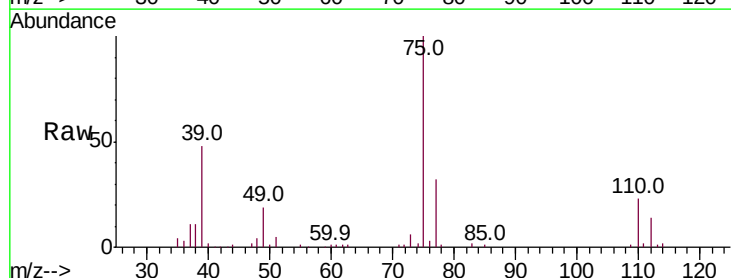
Manual Integrations
APPROVED

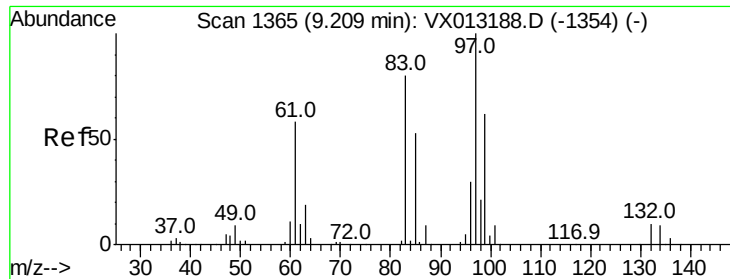
MMDadoda
10/25/2019 4:33:07 PM



#54
cis-1,3-Dichloropropene
Concen: 17.018 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Tgt Ion: 75 Resp: 51227
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.0
39 47.8 36.2 54.4





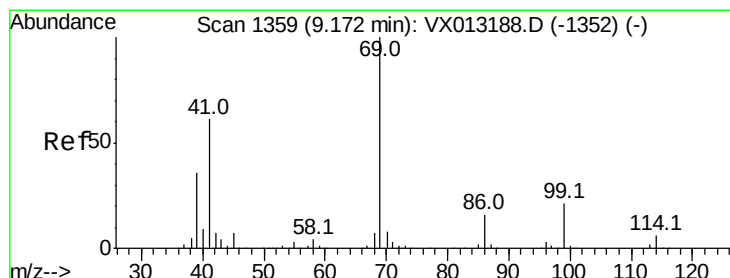
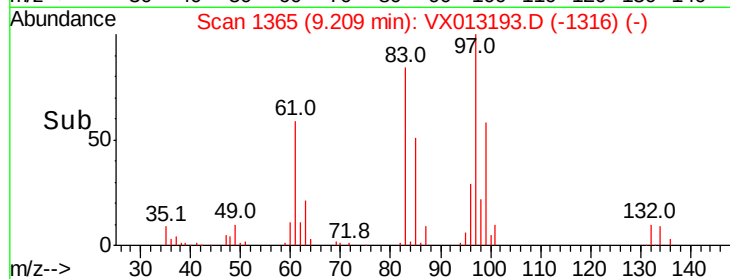
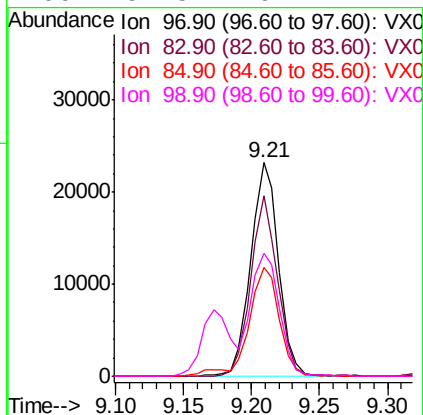
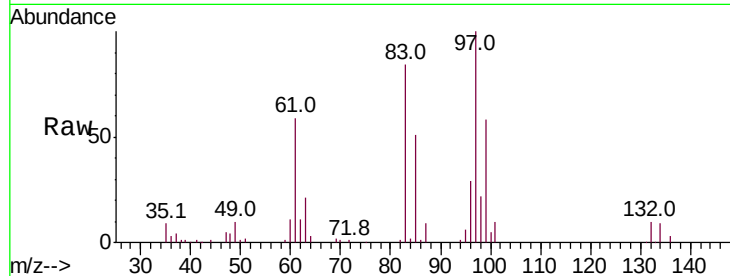
#55
 1,1,2-Trichloroethane
 Concen: 17.304 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013193.D
 Acq: 23 Oct 2019 17:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.3	64.1	96.1
85	50.5	42.1	63.1
99	57.5	49.4	74.2

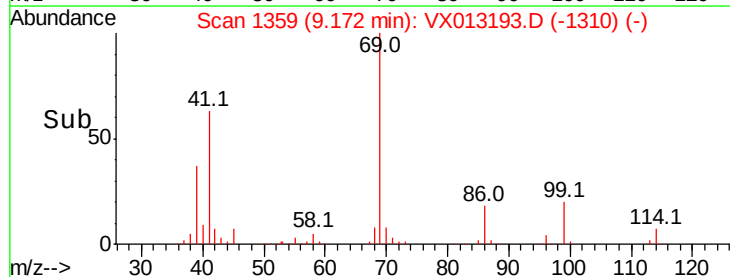
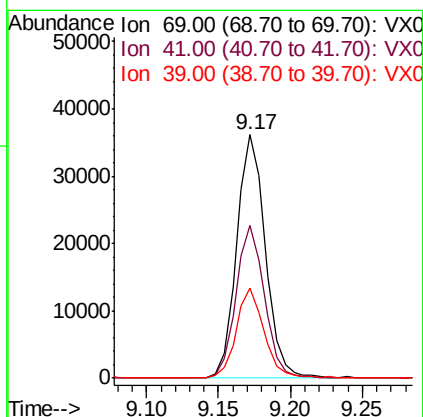
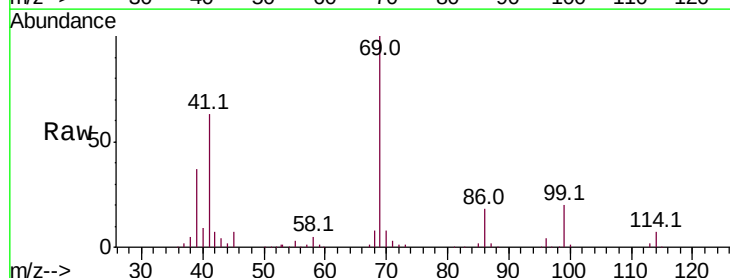
Manual Integrations
 APPROVED

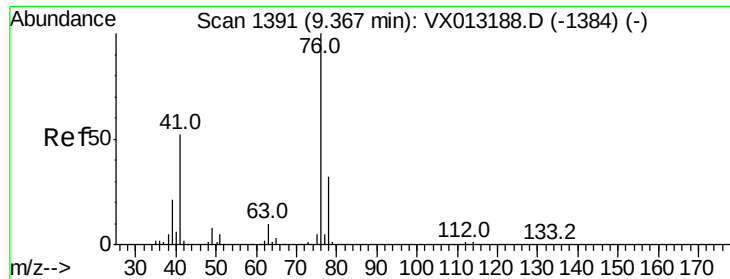
MMDadoda
 10/25/2019 4:33:07 PM



#56
 Ethyl methacrylate
 Concen: 17.236 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX013193.D
 Acq: 23 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.1	49.5	74.3
39	36.6	28.3	42.5





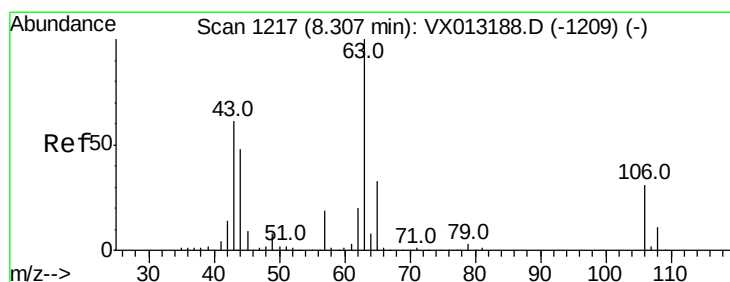
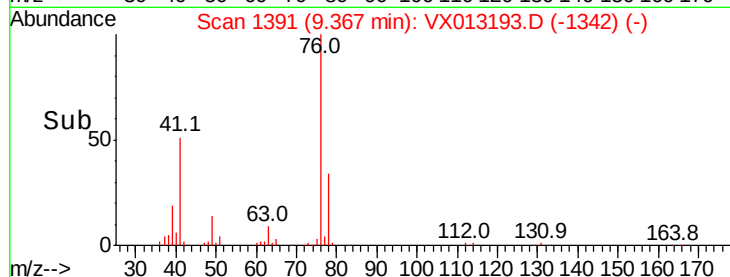
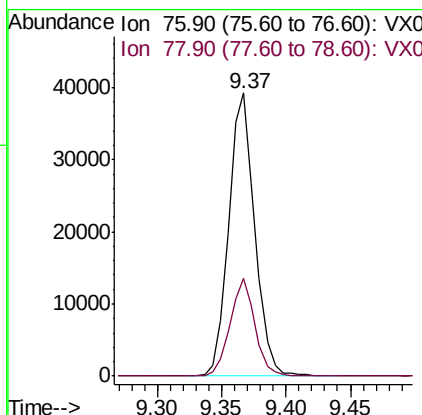
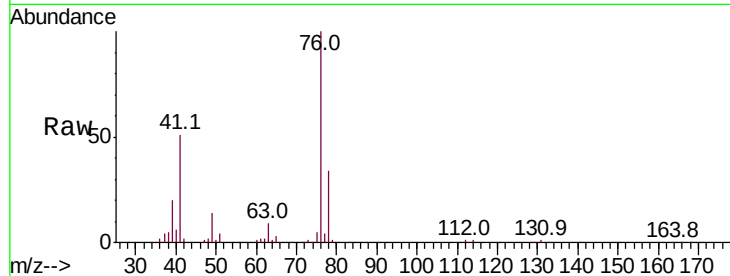
#57
 1,3-Dichloropropane
 Concen: 17.026 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX013193.D
 Acq: 23 Oct 2019 17:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBS01

Tot Ion: 76 Resp: 55425
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.1 39.1

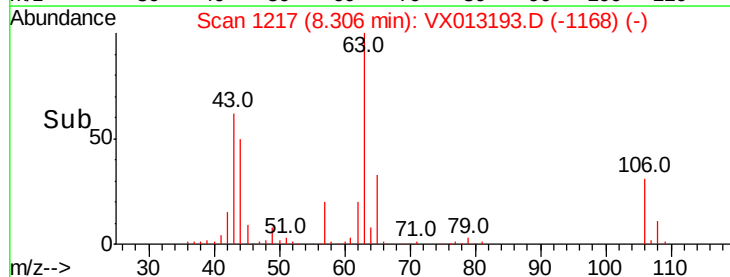
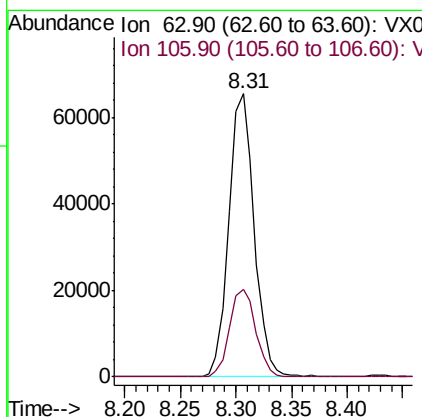
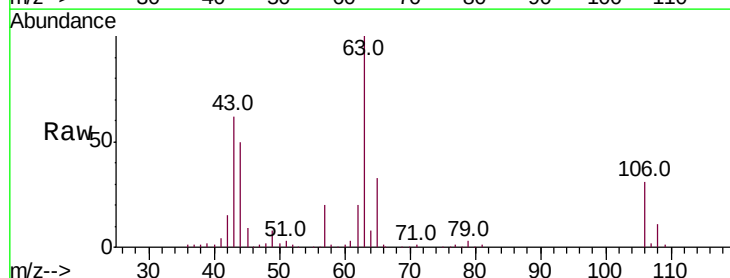
Manual Integrations
 APPROVED

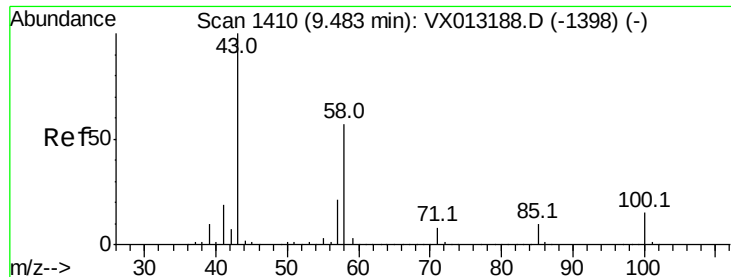
MMDadoda
 10/25/2019 4:33:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.435 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX013193.D
 Acq: 23 Oct 2019 17:45

Tgt Ion: 63 Resp: 103599
 Ion Ratio Lower Upper
 63 100
 106 31.8 25.4 38.0





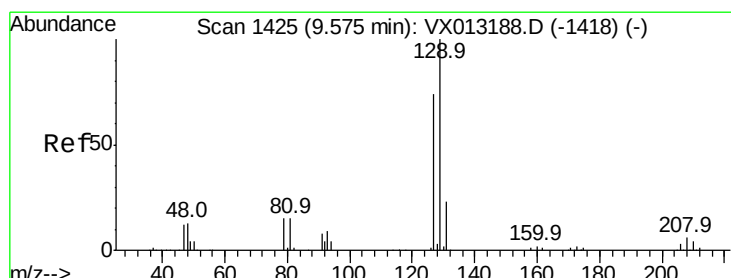
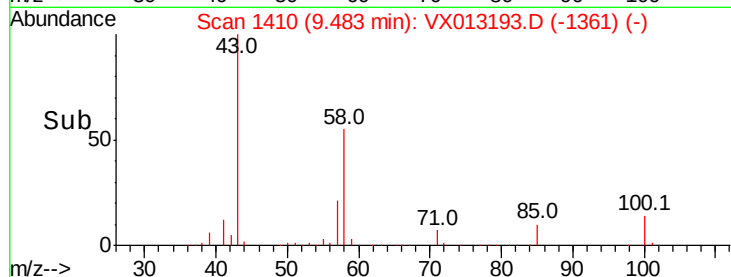
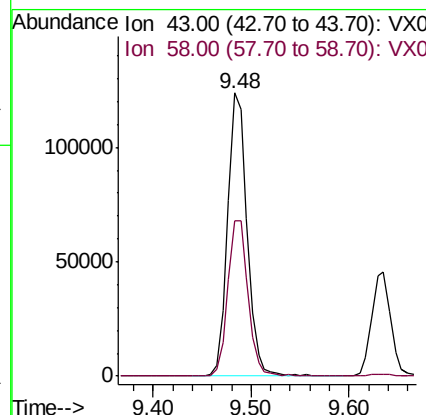
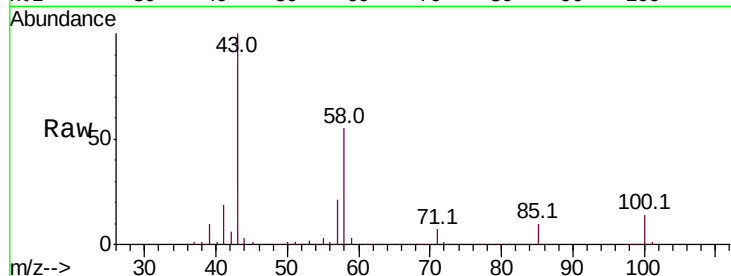
#59
2-Hexanone
Concen: 89.987 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS01

Tot Ion: 43 Resp: 171370
Ion Ratio Lower Upper
43 100
58 57.2 28.2 84.7

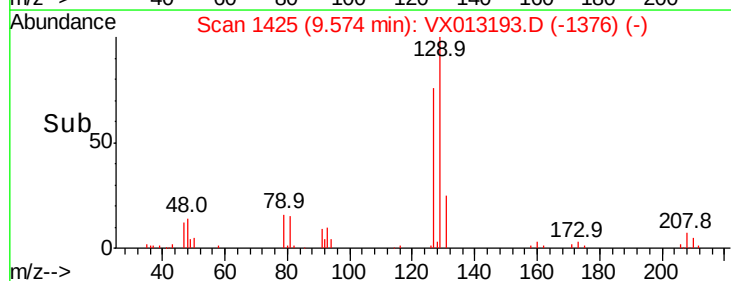
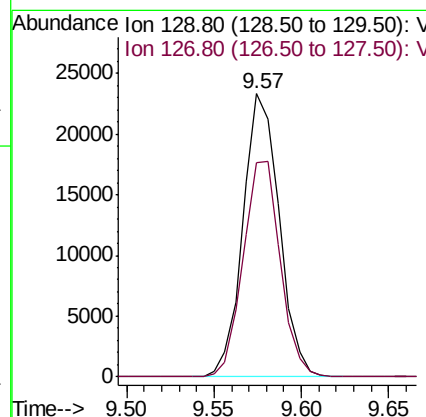
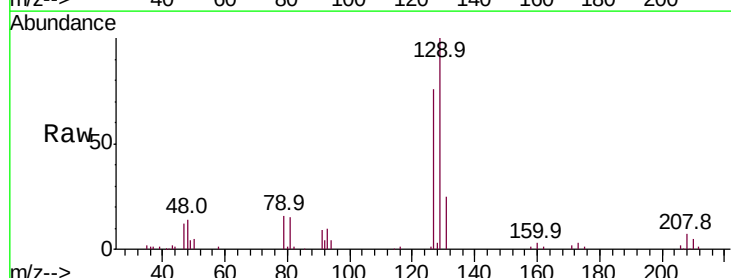
Manual Integrations
APPROVED

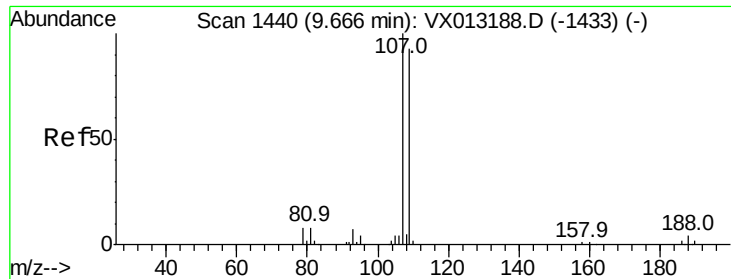
MMDadoda
10/25/2019 4:33:07 PM



#60
Dibromochloromethane
Concen: 16.623 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Tgt Ion: 129 Resp: 33606
Ion Ratio Lower Upper
129 100
127 77.9 38.2 114.6





#61

1,2-Dibromoethane

Concen: 16.881 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS01

Tot Ion:107 Resp: 34576

Ion Ratio Lower Upper

107 100

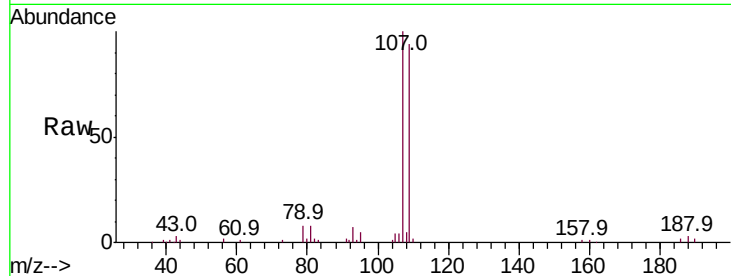
109 93.8 75.7 113.5

Manual Integrations

APPROVED

MMDadoda

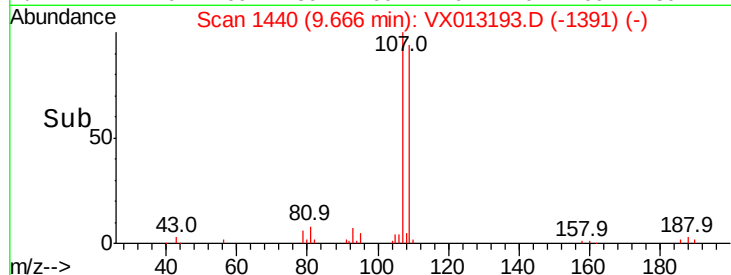
10/25/2019 4:33:07 PM



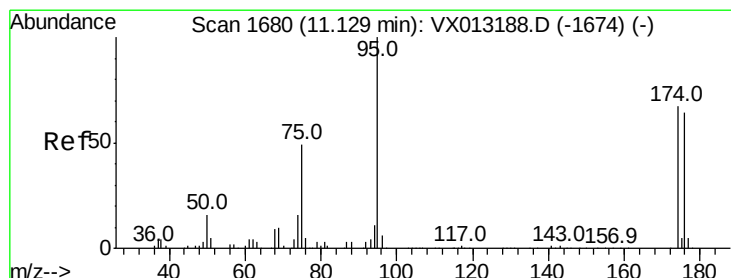
Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67



Time-->



#62

4-Bromofluorobenzene

Concen: 42.144 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

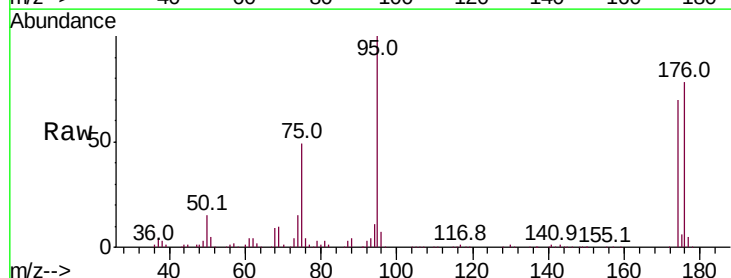
Tgt Ion: 95 Resp: 101057

Ion Ratio Lower Upper

95 100

174 76.5 0.0 152.4

176 74.1 0.0 146.0

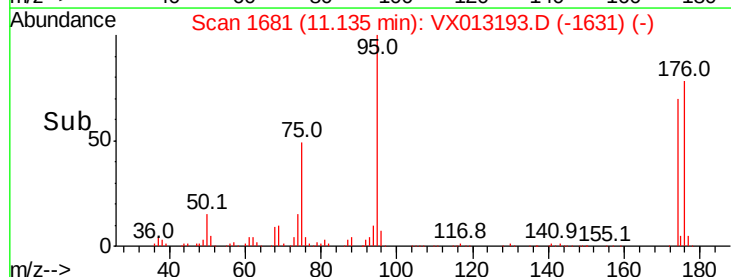


Abundance Ion 94.90 (94.60 to 95.60): VX0

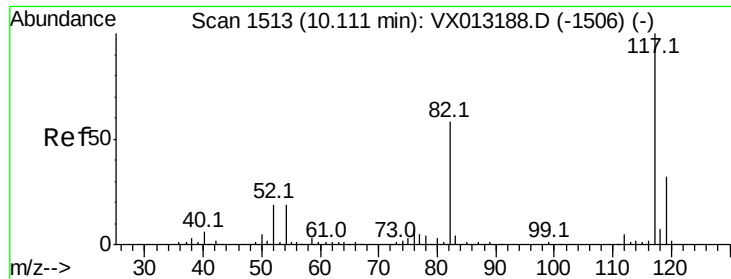
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14



Time-->



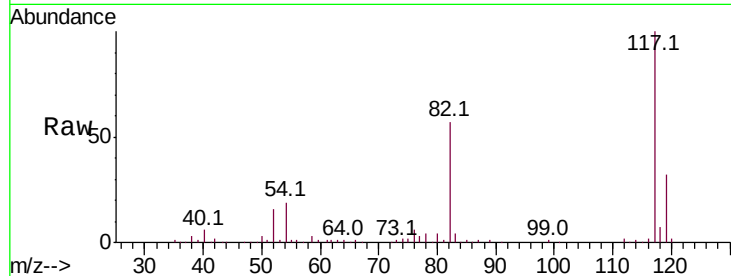
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	46.5	69.7
119	31.9	25.2	37.8

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:33:07 PM

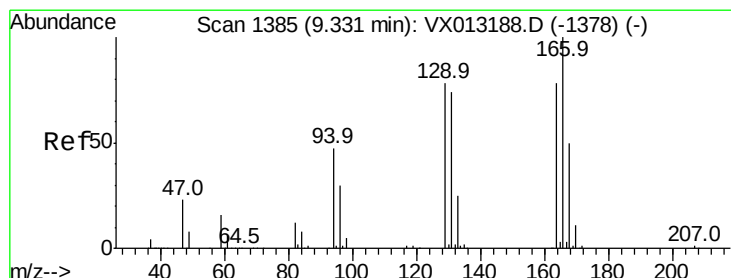
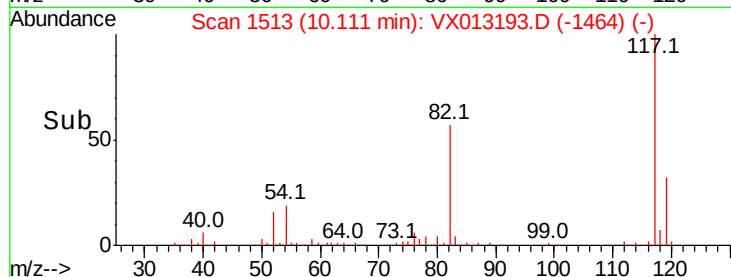
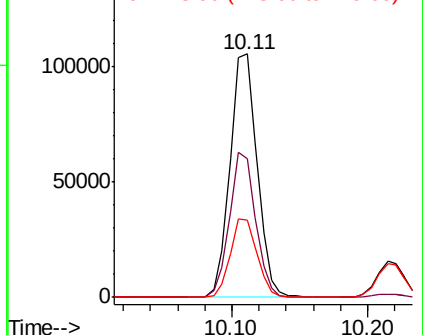


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 17.647 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	102.2	153.4
129	89.2	79.8	119.8
131	91.4	75.3	112.9

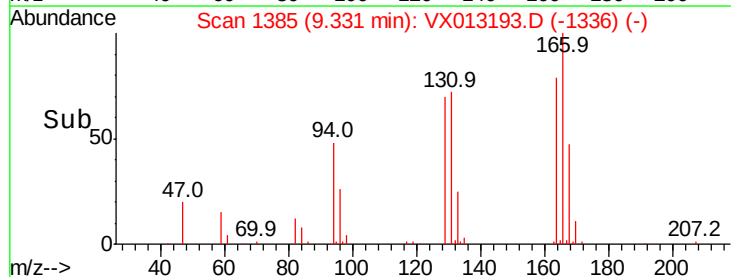
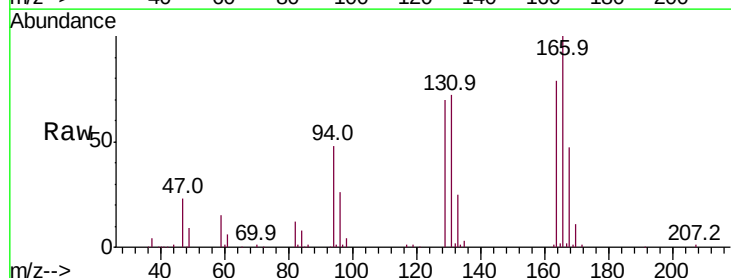
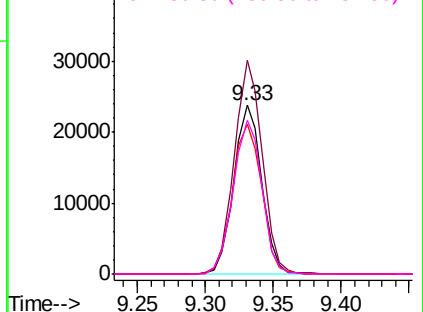
Abundance

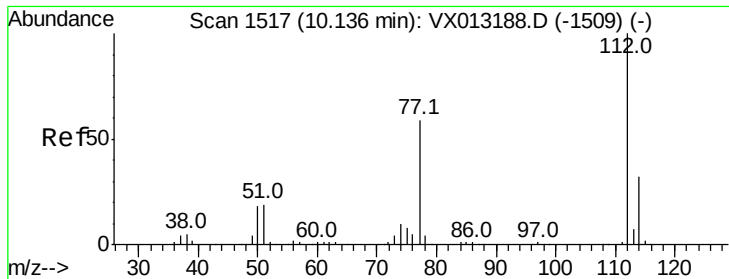
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 16.735 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS01

Tot Ion:112 Resp: 85570

Ion Ratio Lower Upper

112 100

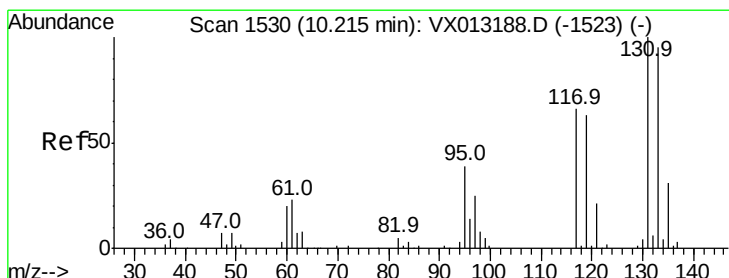
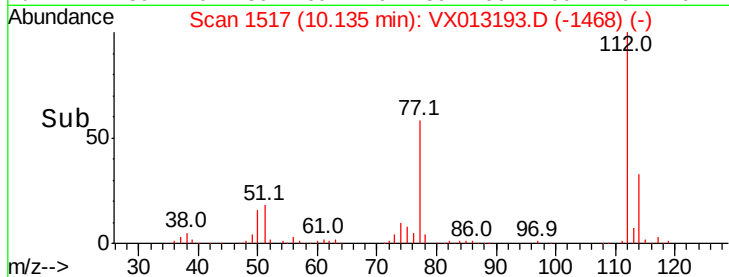
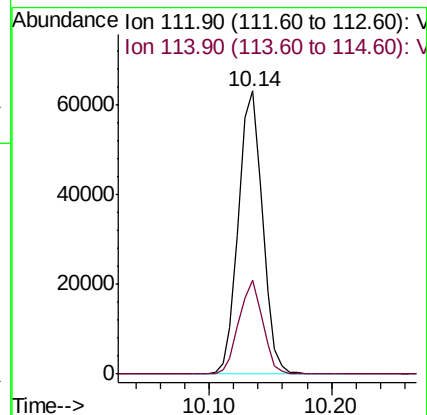
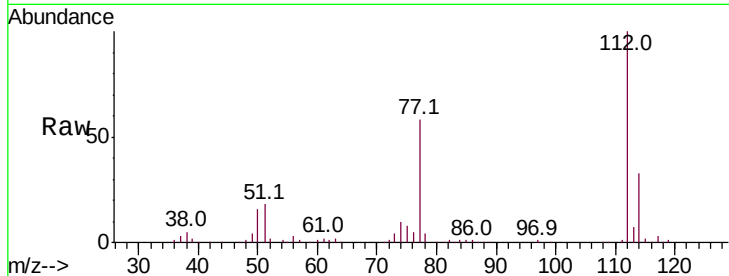
114 33.1 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

10/25/2019 4:33:07 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 16.731 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

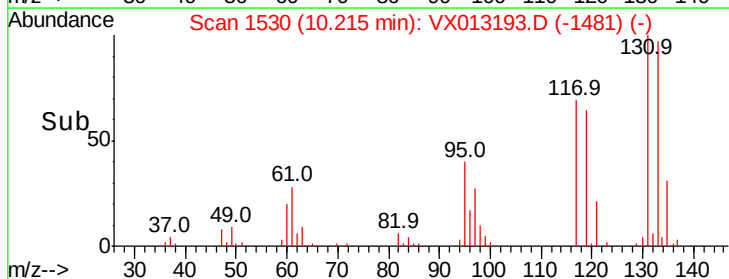
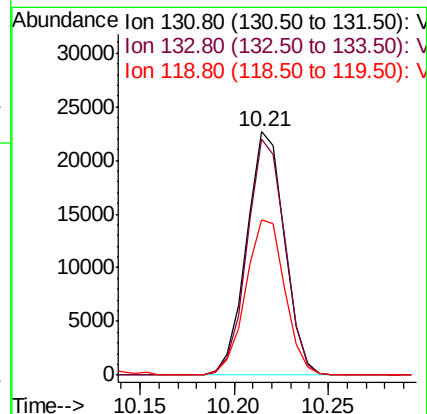
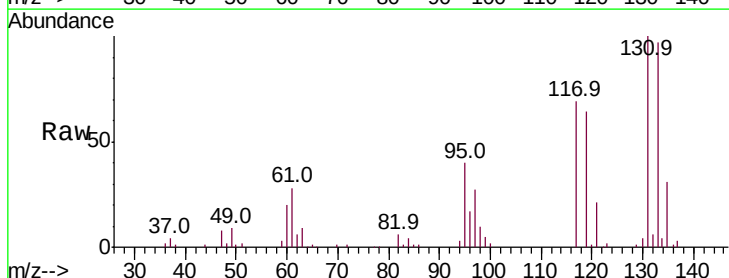
Tgt Ion:131 Resp: 31602

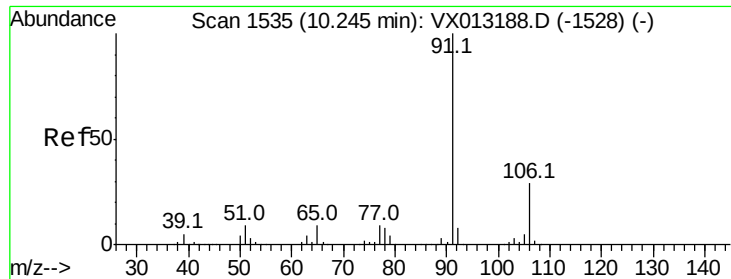
Ion Ratio Lower Upper

131 100

133 96.8 48.4 145.2

119 65.8 32.4 97.0





#67

Ethyl Benzene

Concen: 16.741 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS01

Tot Ion: 91 Resp: 153241

Ion Ratio Lower Upper

91 100

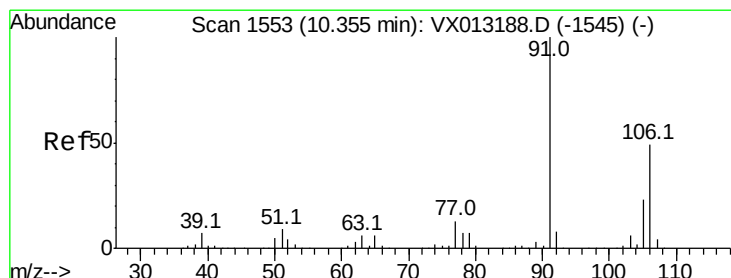
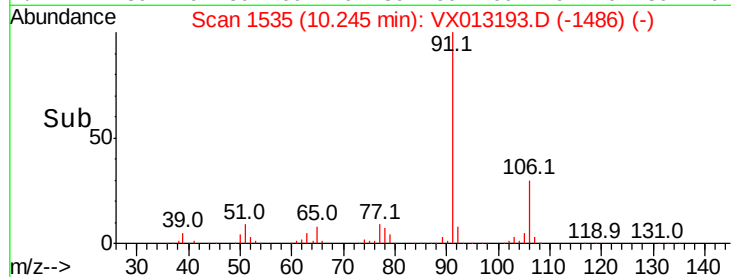
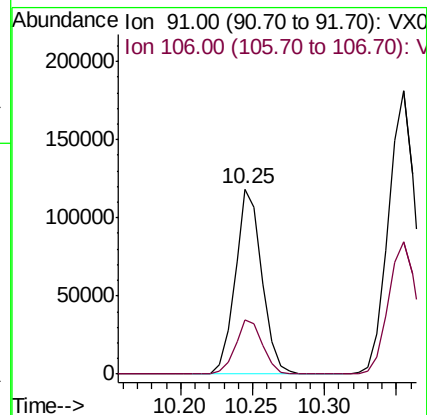
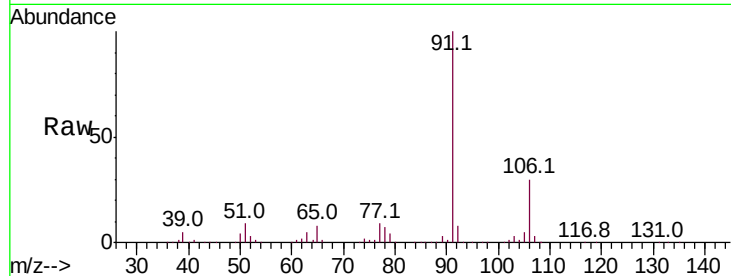
106 29.7 23.5 35.3

Manual Integrations

APPROVED

MMDadoda

10/25/2019 4:33:07 PM



#68

m/p-Xylenes

Concen: 33.412 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013193.D

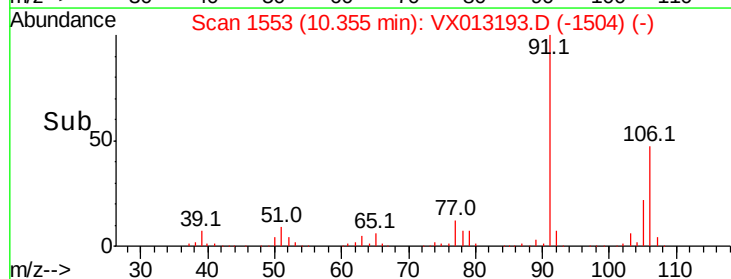
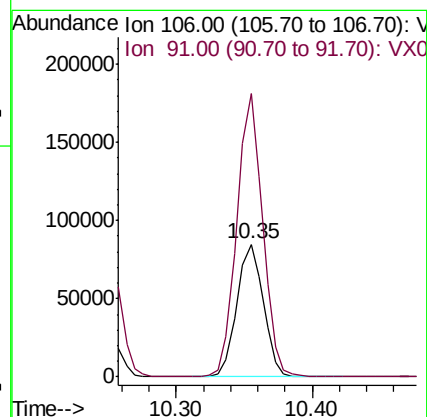
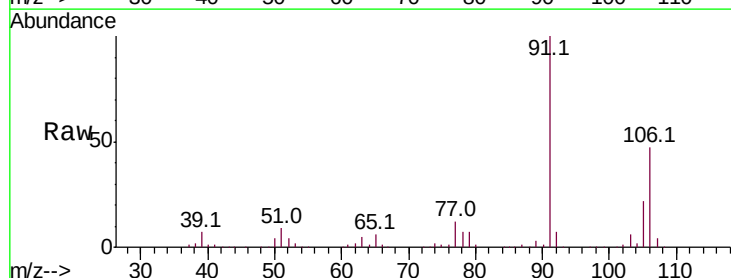
Acq: 23 Oct 2019 17:45

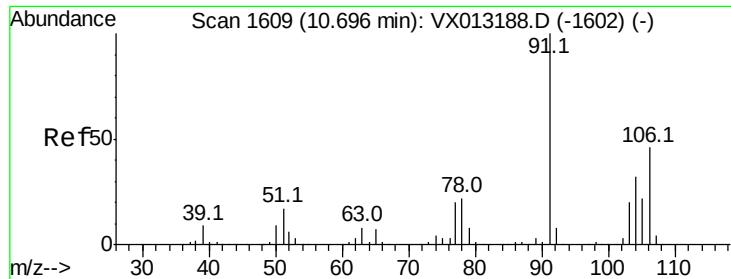
Tgt Ion: 106 Resp: 115585

Ion Ratio Lower Upper

106 100

91 207.4 166.8 250.2





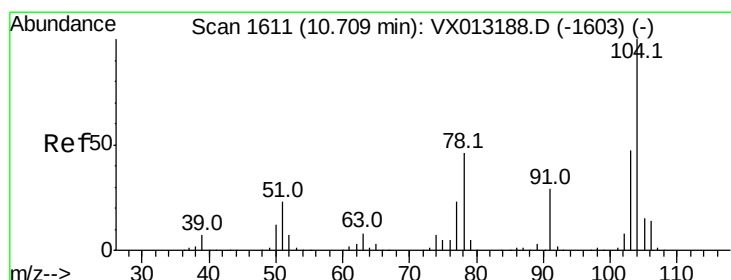
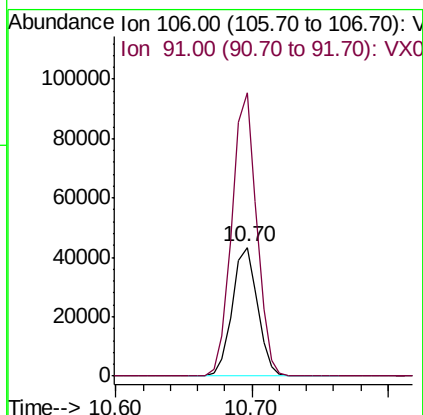
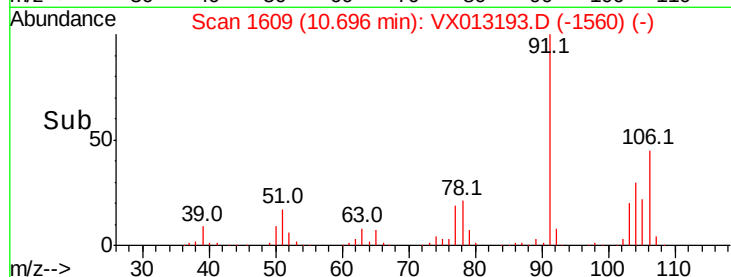
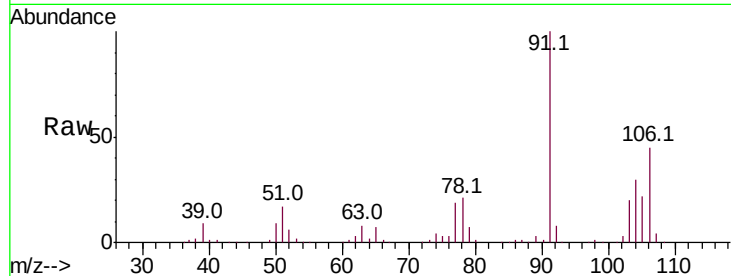
#69
o-Xylene
Concen: 16.969 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Instrument :
MSVOA_X
ClientSampled :
VX1024WBS01

Tot Ion:106 Resp: 56311
Ion Ratio Lower Upper
106 100
91 215.9 110.7 331.9

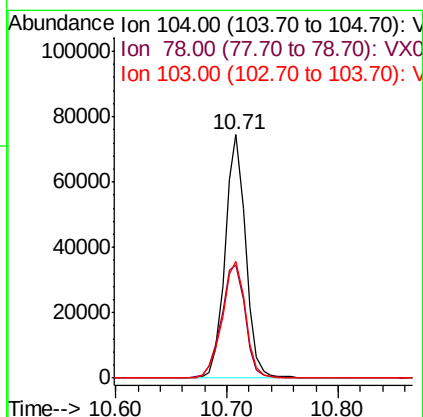
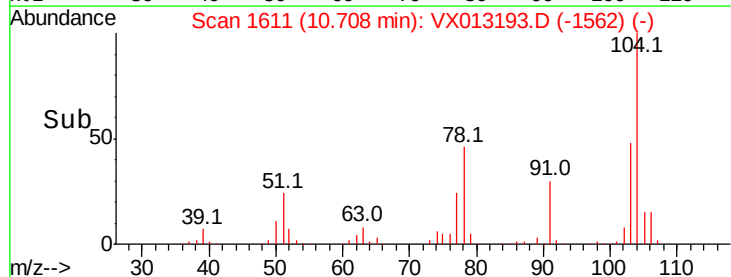
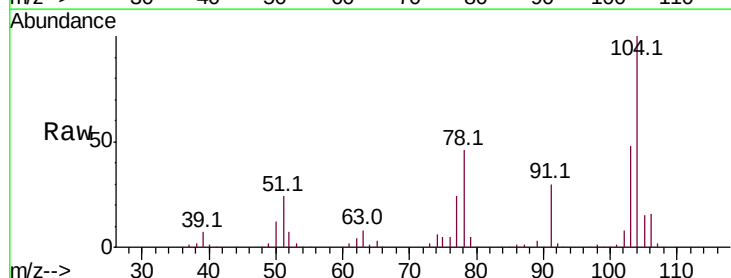
Manual Integrations
APPROVED

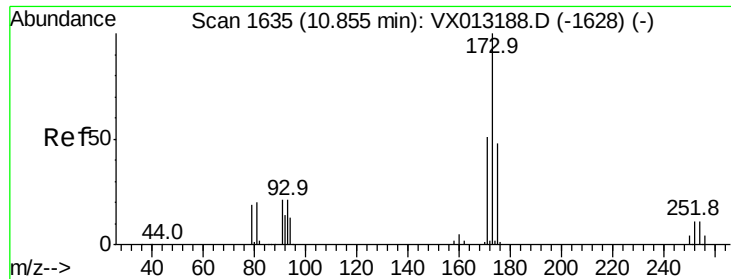
MMDadoda
10/25/2019 4:33:07 PM



#70
Styrene
Concen: 16.605 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Tgt Ion:104 Resp: 94884
Ion Ratio Lower Upper
104 100
78 54.4 42.2 63.4
103 54.3 42.8 64.2





#71

Bromoform

Concen: 16.792 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS01

Tot Ion:173 Resp: 23175

Ion Ratio Lower Upper

173 100

175 48.2 24.3 72.8

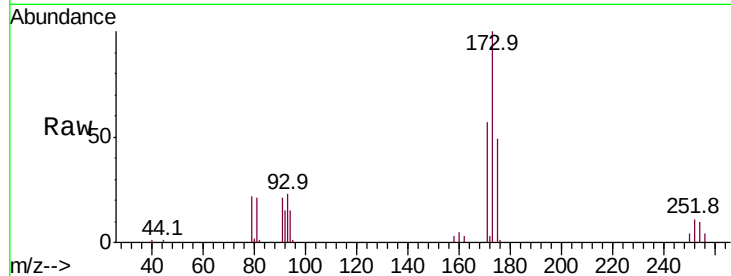
254 0.0 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

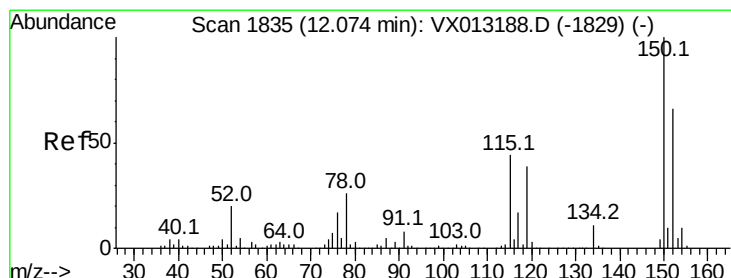
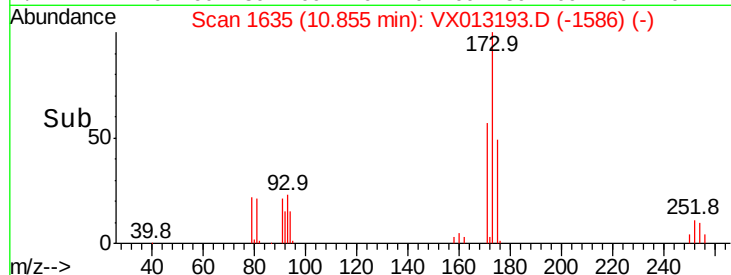
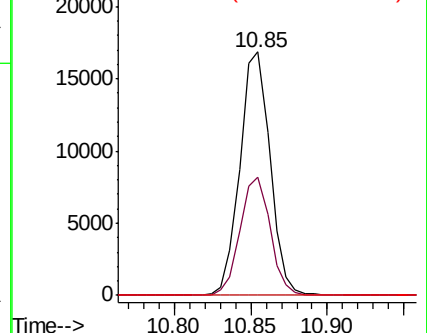
10/25/2019 4:33:07 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

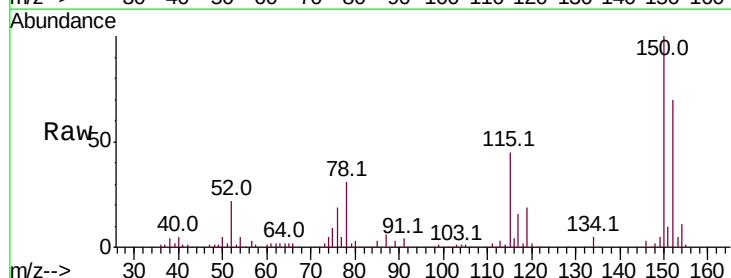
Tgt Ion:152 Resp: 97264

Ion Ratio Lower Upper

152 100

115 70.0 46.6 139.8

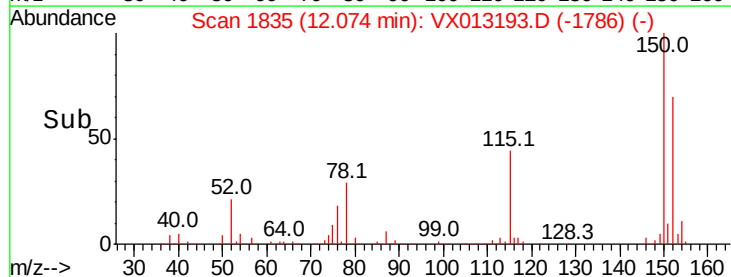
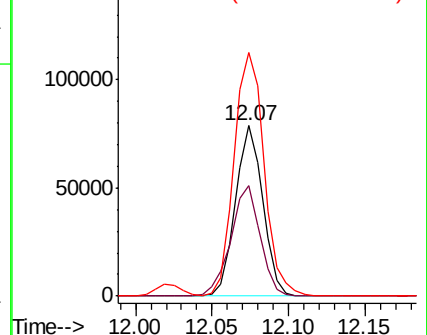
150 156.9 0.0 354.0

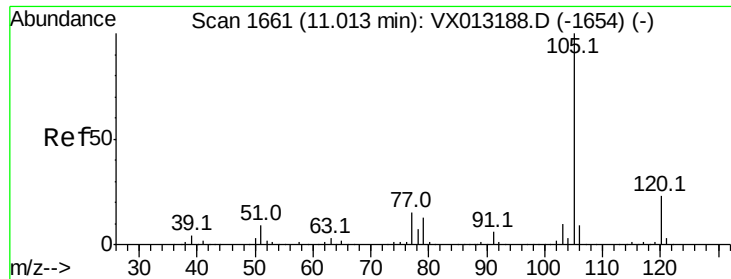


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





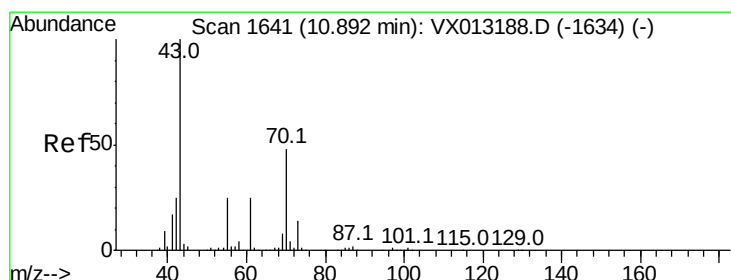
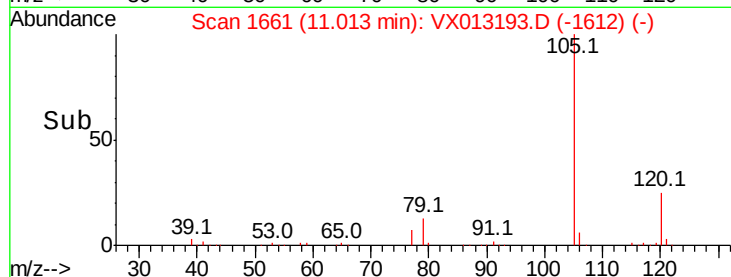
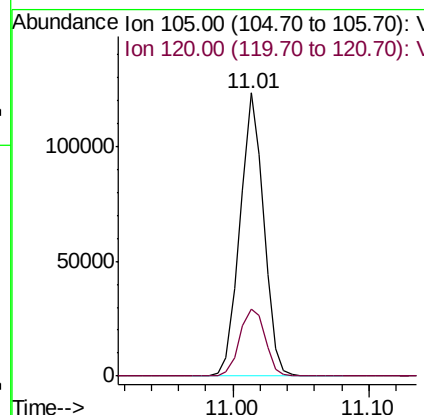
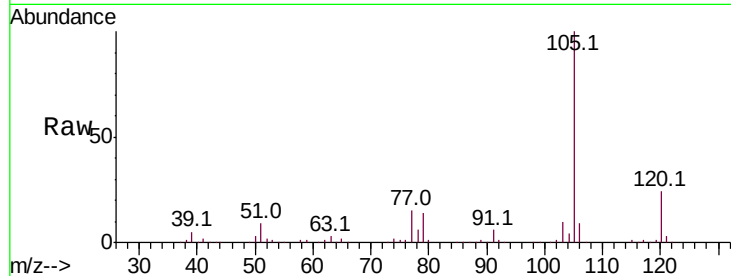
#73
Isopropylbenzene
Concen: 16.931 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS01

Tot Ion:105 Resp: 149545
Ion Ratio Lower Upper
105 100
120 25.5 12.6 37.8

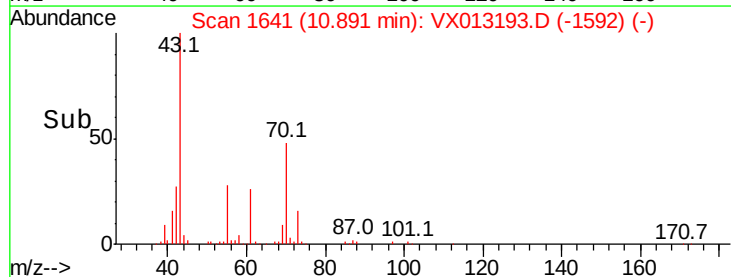
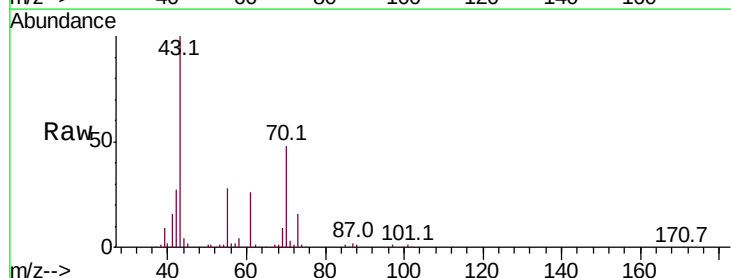
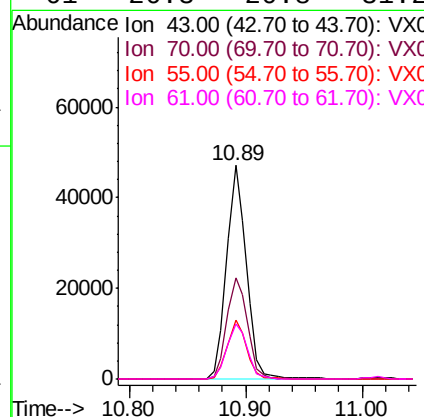
Manual Integrations
APPROVED

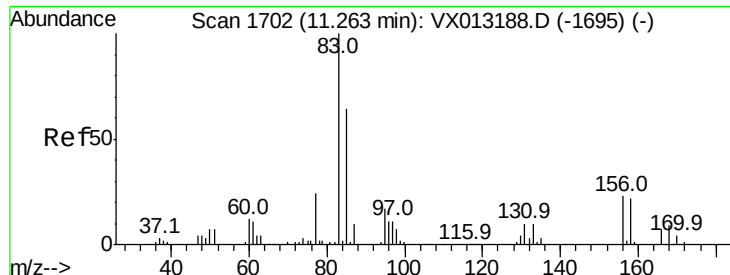
MMDadoda
10/25/2019 4:33:07 PM



#74
N-ethyl acetate
Concen: 17.076 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Tgt Ion: 43 Resp: 55356
Ion Ratio Lower Upper
43 100
70 49.4 38.5 57.7
55 27.2 20.7 31.1
61 26.3 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 17.154 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Instrument :

MSVOA_X

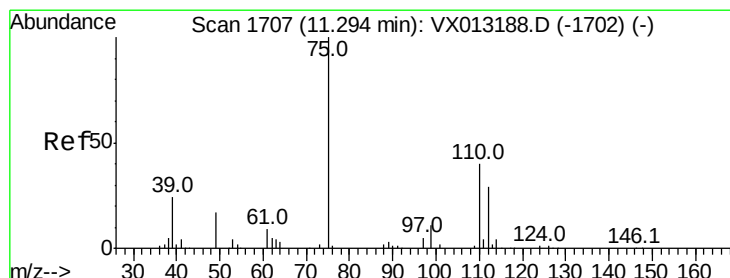
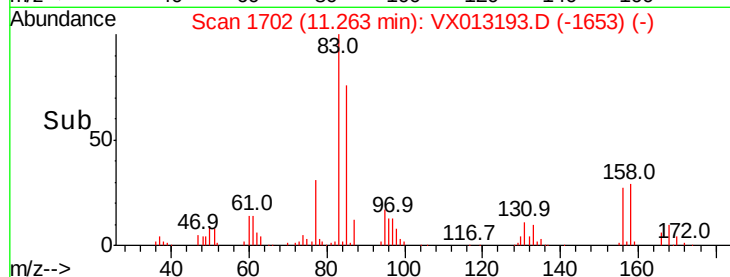
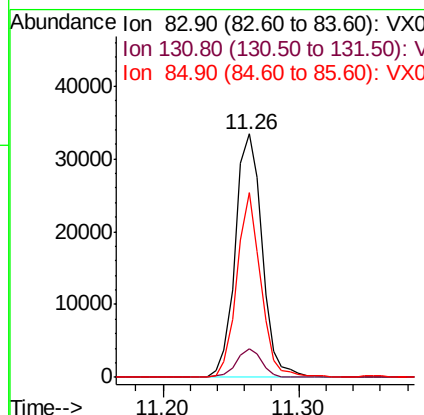
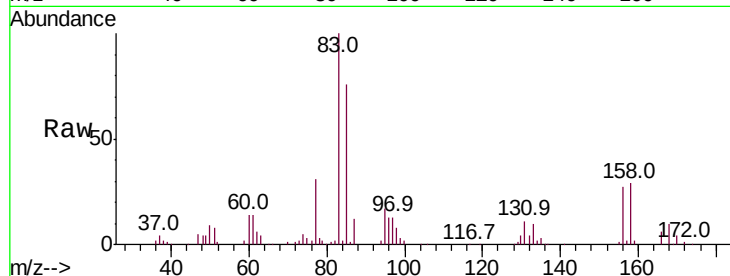
ClientSampleId :

VX1024WBS01

Tot Ion:	83	Resp:	46006
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.3	16.1
85	67.5	31.4	94.3

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:33:07 PM



#76

1,2,3-Trichloropropane

Concen: 16.608 ug/l m

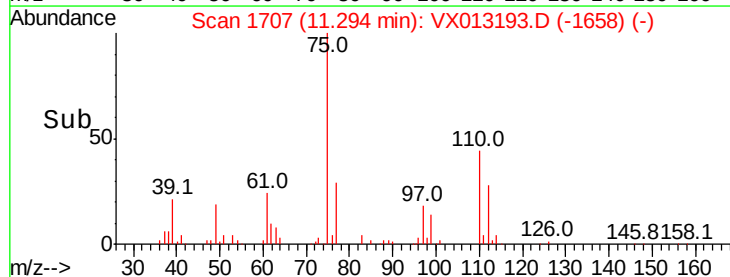
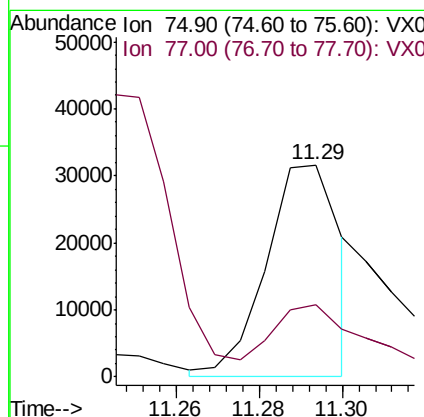
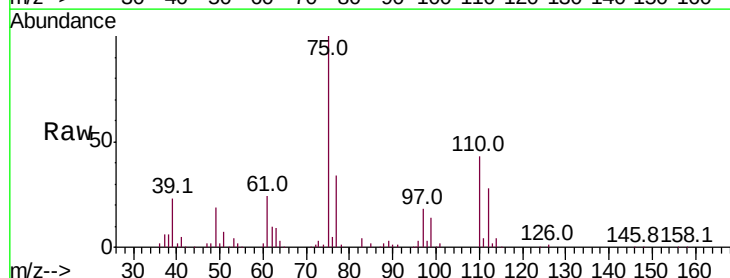
RT: 11.29 min Scan# 1707

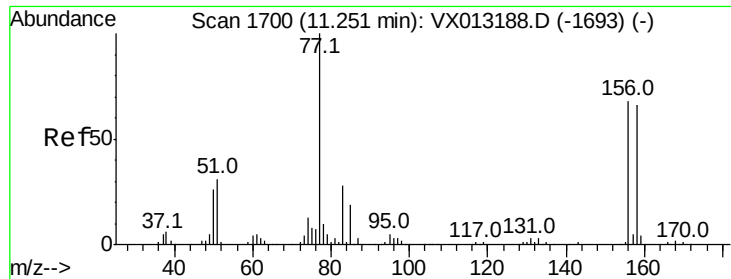
Delta R.T. -0.00 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Tgt Ion:	75	Resp:	38934
Ion	Ratio	Lower	Upper
75	100		
77	44.6	19.1	57.5





#77

Bromobenzene

Concen: 16.794 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS01

Tot Ion:156 Resp: 35551

Ion Ratio Lower Upper

156 100

77 162.2 81.7 245.1

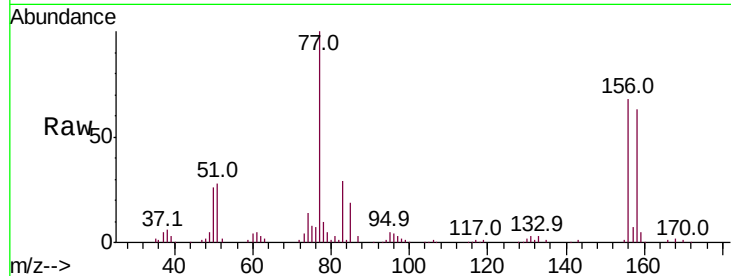
158 97.5 49.6 148.8

Manual Integrations

APPROVED

MMDadoda

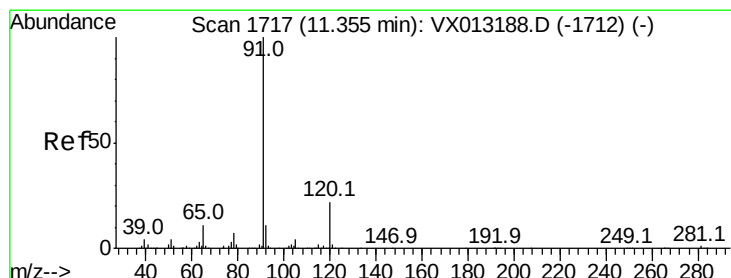
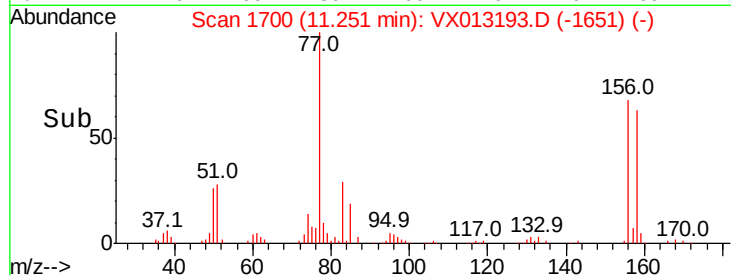
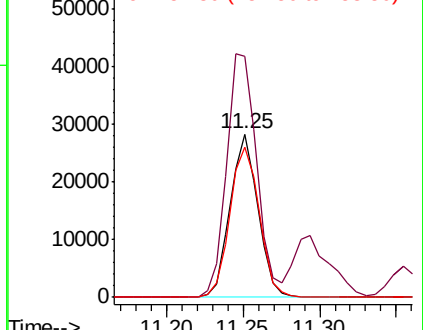
10/25/2019 4:33:07 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.019 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013193.D

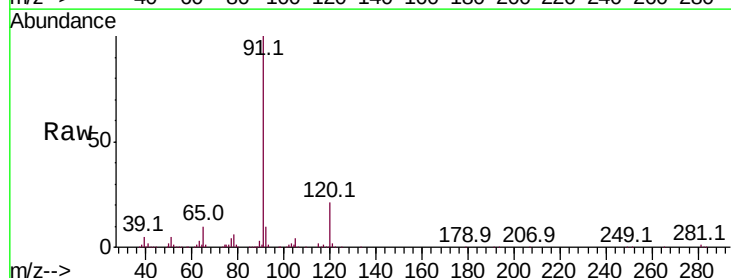
Acq: 23 Oct 2019 17:45

Tgt Ion: 91 Resp: 163281

Ion Ratio Lower Upper

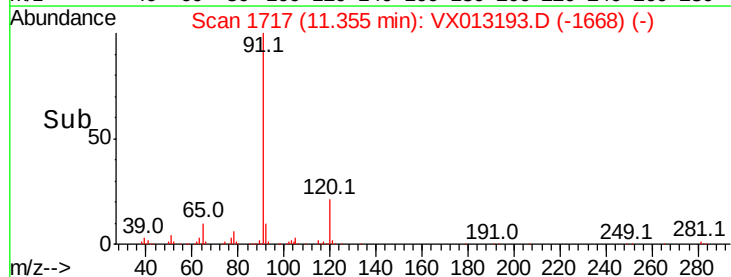
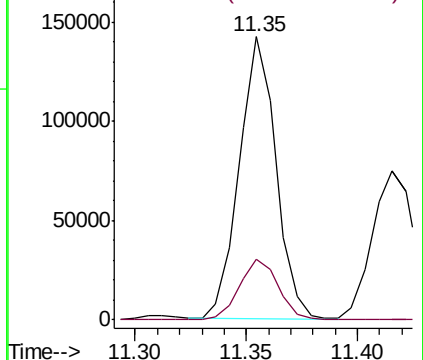
91 100

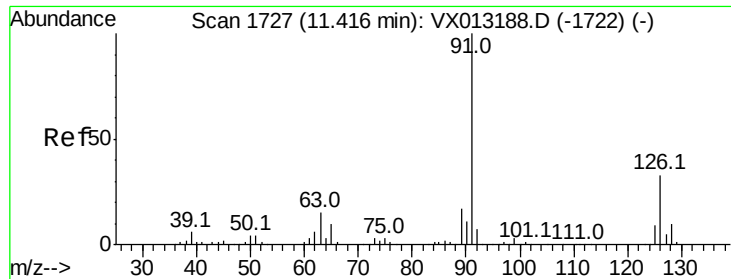
120 22.8 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 16.176 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013193.D

Acq: 23 Oct 2019 17:45

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS01

Tot Ion: 91 Resp: 98055

Ion Ratio Lower Upper

91 100

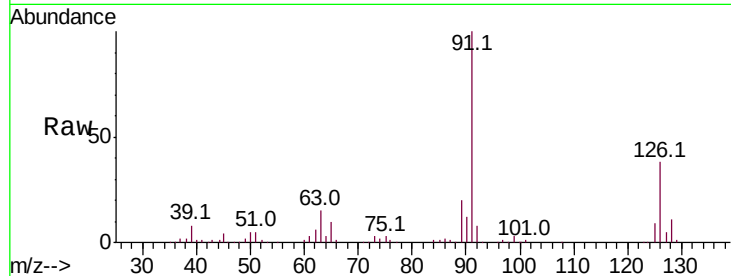
126 34.7 16.3 48.8

Manual Integrations

APPROVED

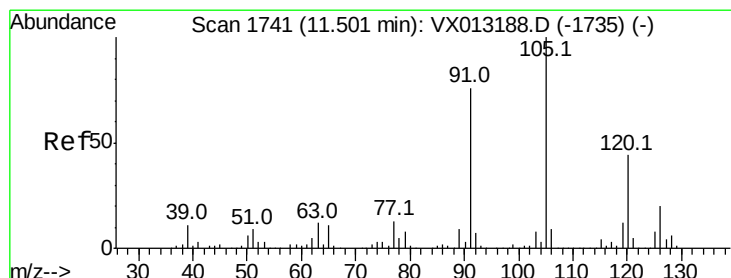
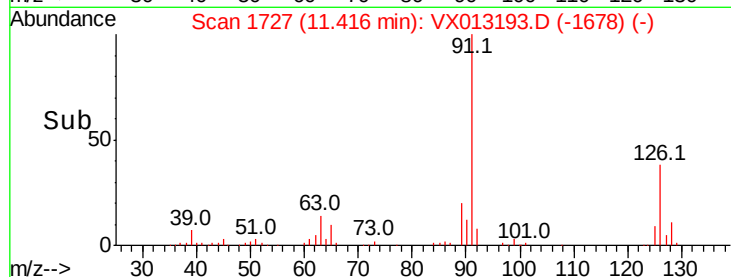
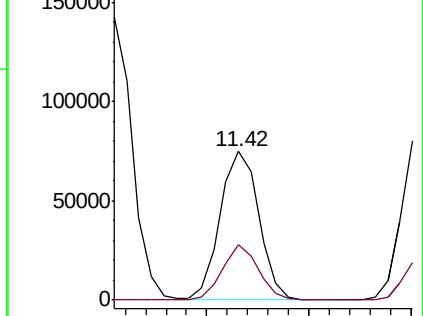
MMDadoda

10/25/2019 4:33:07 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 17.767 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013193.D

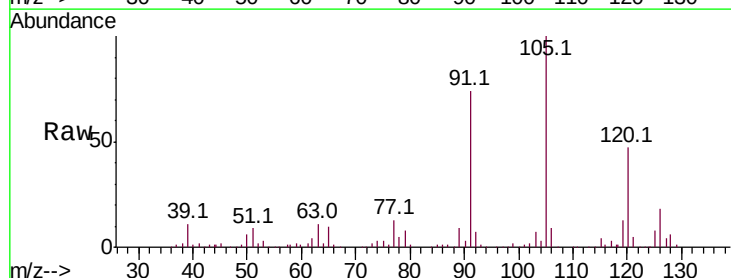
Acq: 23 Oct 2019 17:45

Tgt Ion:105 Resp: 130433

Ion Ratio Lower Upper

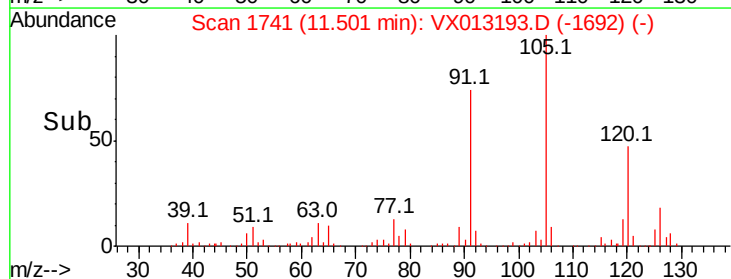
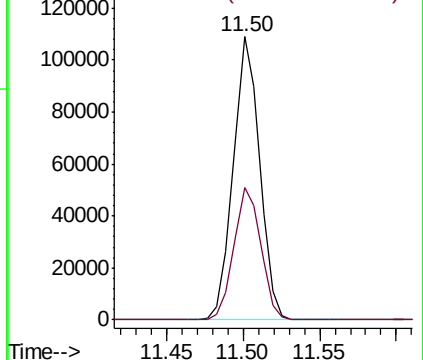
105 100

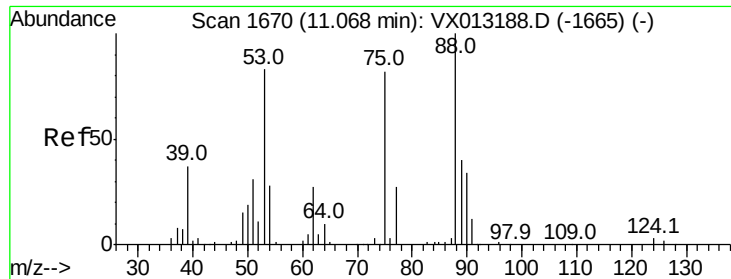
120 47.8 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





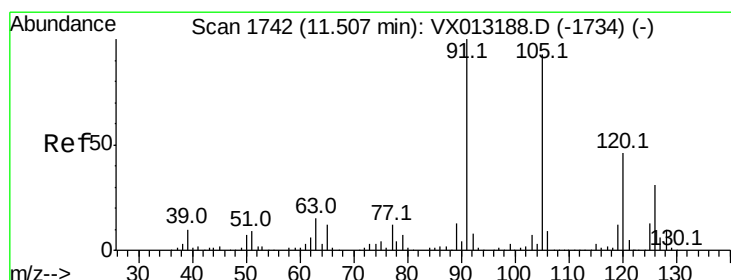
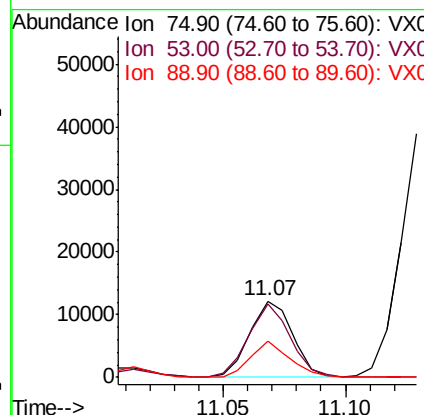
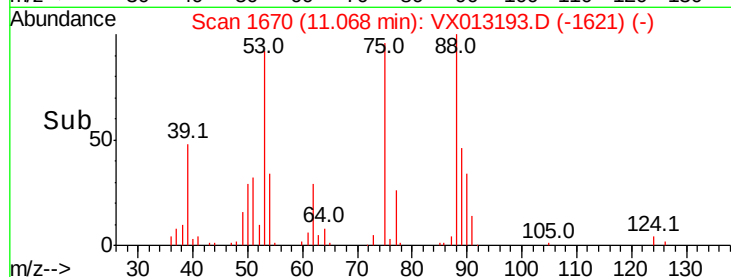
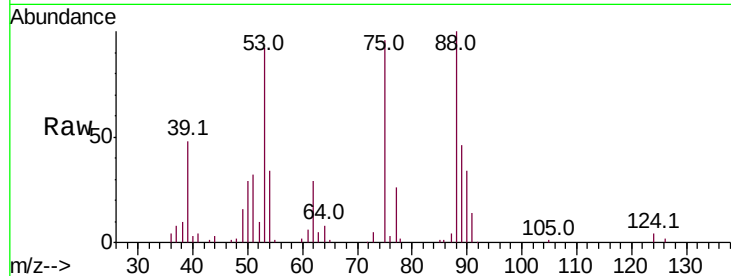
#81
trans-1,4-Dichloro-2-butene
Concen: 17.405 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.2	77.9	116.9
89	43.7	37.3	55.9

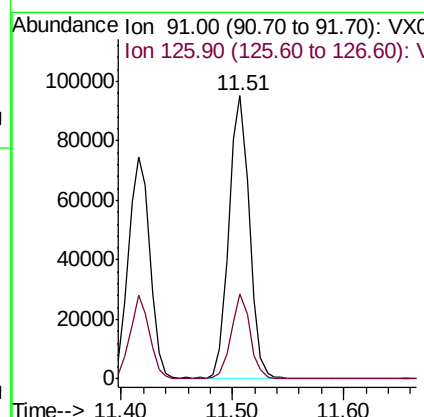
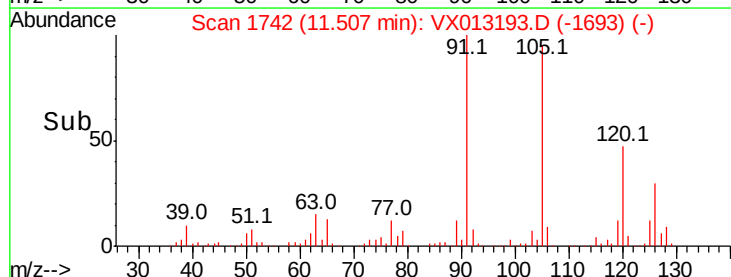
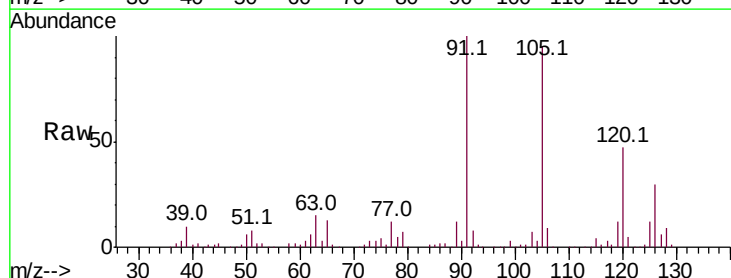
Manual Integrations
APPROVED

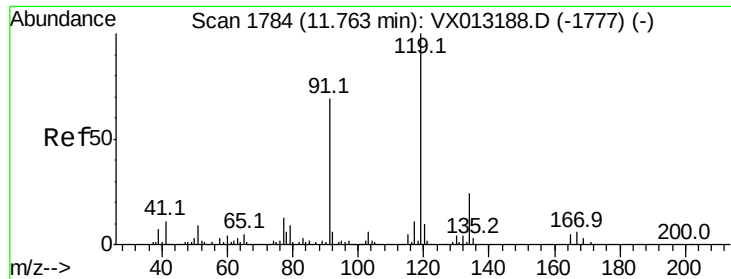
MMDadoda
10/25/2019 4:33:07 PM



#82
4-Chlorotoluene
Concen: 17.684 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.6	44.0





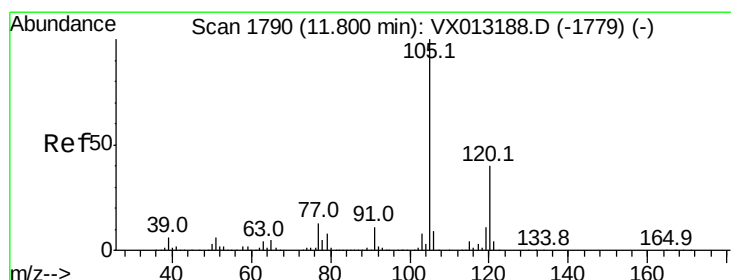
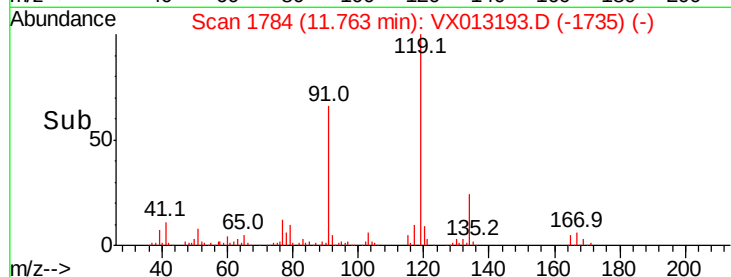
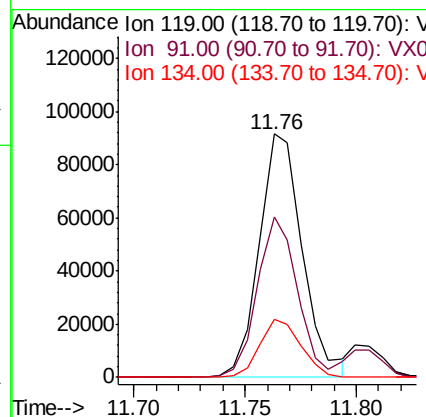
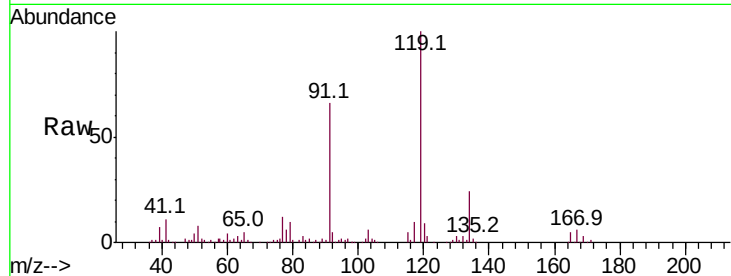
#83
tert-Butylbenzene
Concen: 16.992 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	123421		
91	61.3	30.8	92.4	
134	22.7	11.5	34.5	

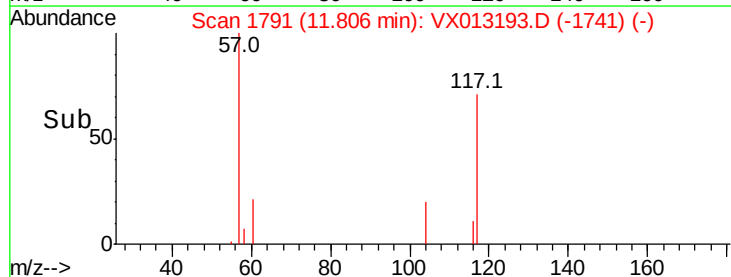
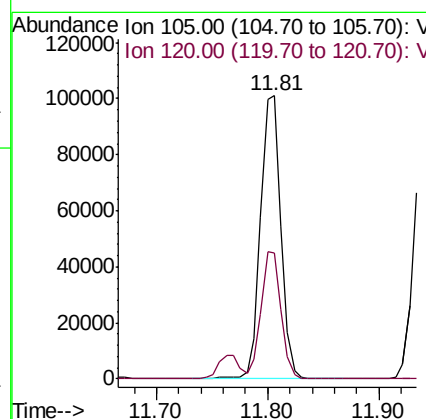
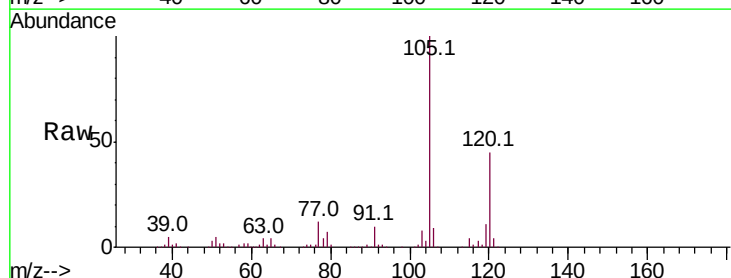
Manual Integrations
APPROVED

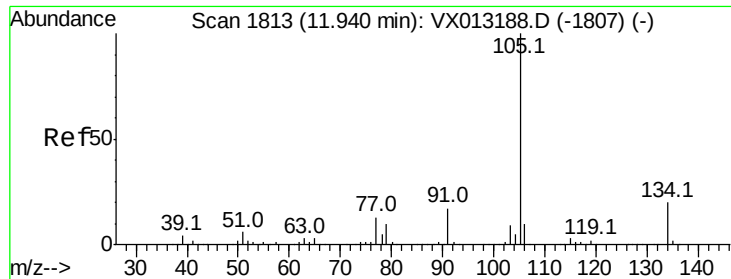
MMDadoda
10/25/2019 4:33:07 PM



#84
1,2,4-Trimethylbenzene
Concen: 17.452 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	129234		
120	44.0	21.4	64.3	





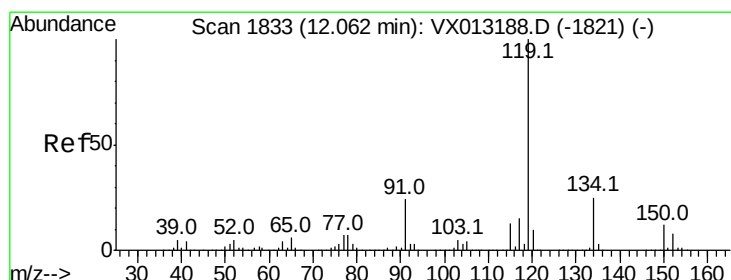
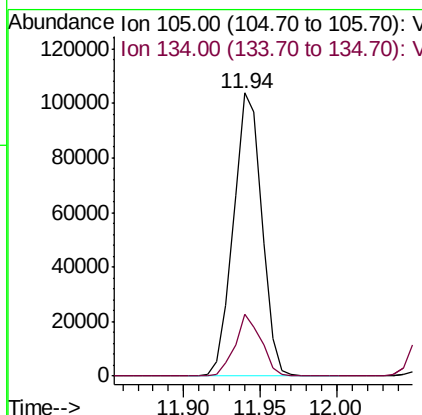
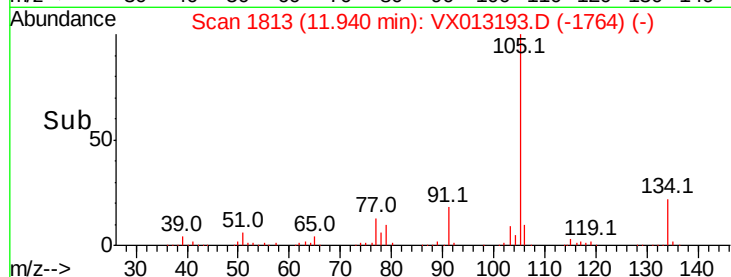
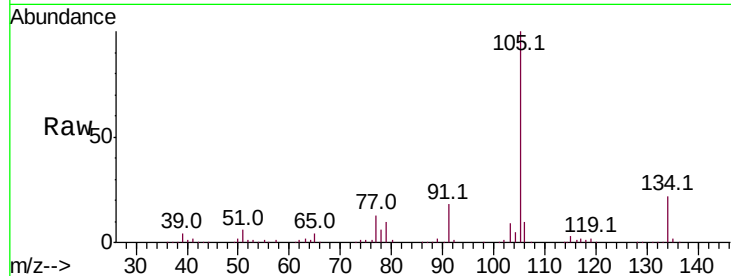
#85
 sec-Butylbenzene
 Concen: 16.131 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013193.D
 Acq: 23 Oct 2019 17:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	133331		
134	20.0	9.9	29.7	

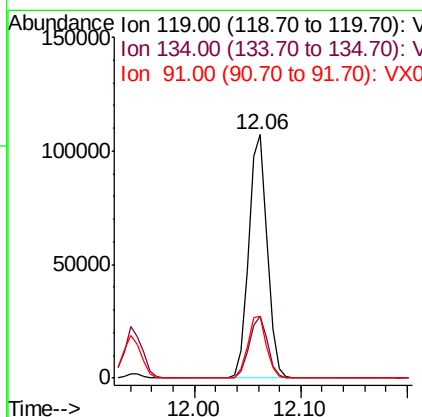
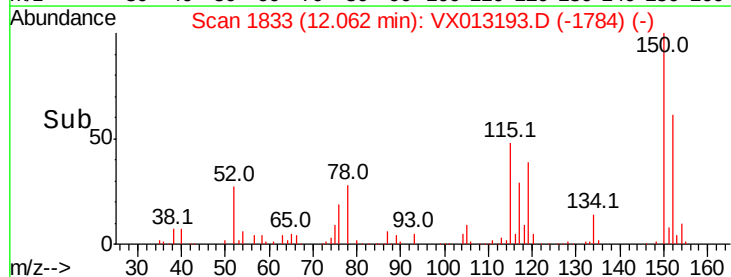
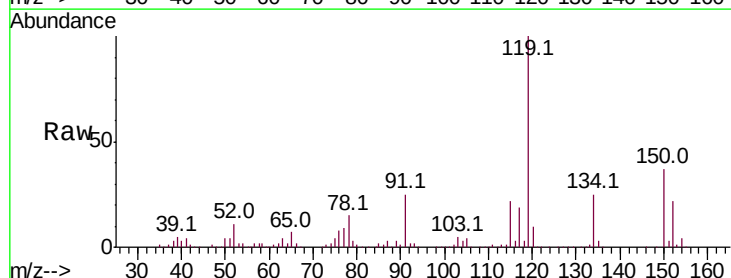
Manual Integrations
 APPROVED

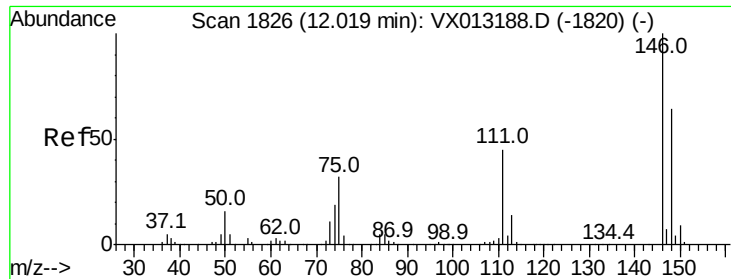
MMDadoda
 10/25/2019 4:33:07 PM



#86
 p-Isopropyltoluene
 Concen: 16.853 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX013193.D
 Acq: 23 Oct 2019 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	130868		
134	25.1	12.5	37.5	
91	25.5	12.4	37.2	





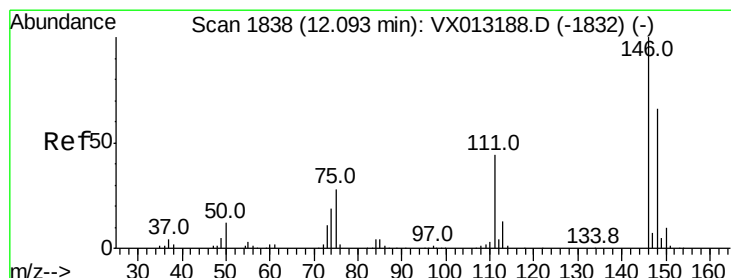
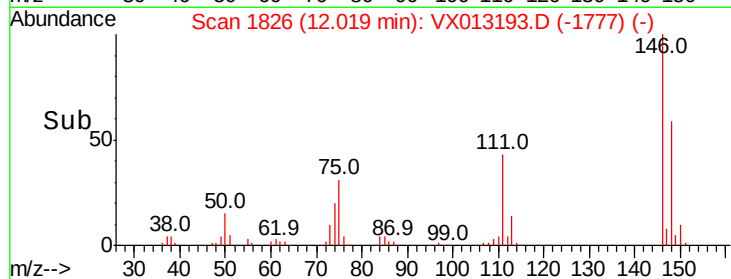
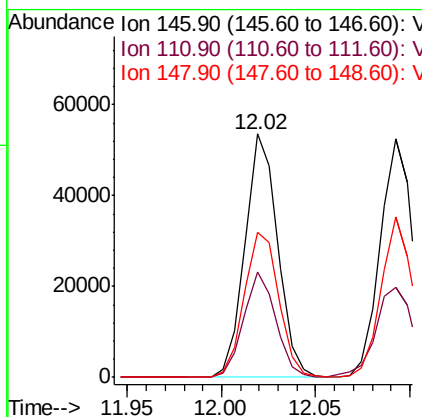
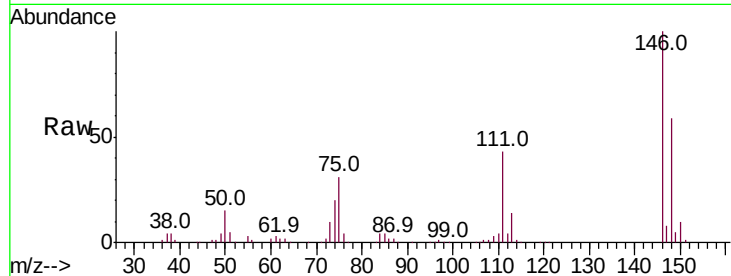
#87
 1,3-Dichlorobenzene
 Concen: 16.892 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013193.D
 Acq: 23 Oct 2019 17:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.3	63.9
148	63.3	31.6	94.8

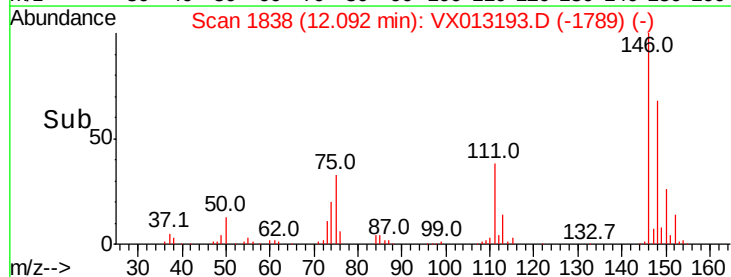
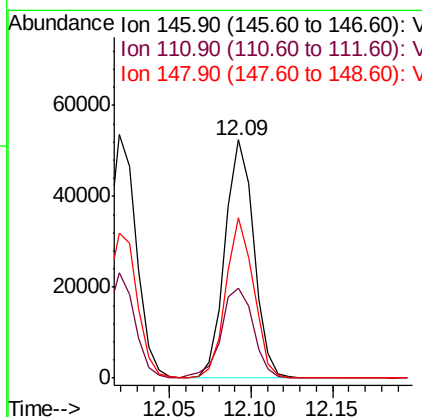
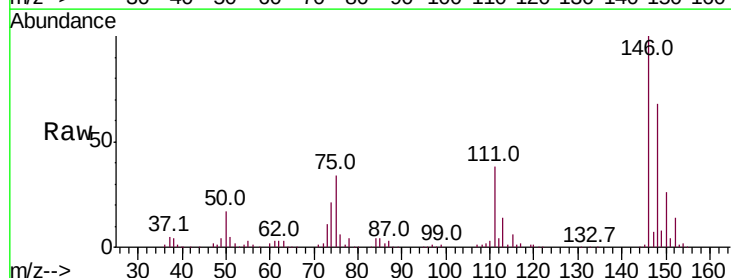
Manual Integrations
 APPROVED

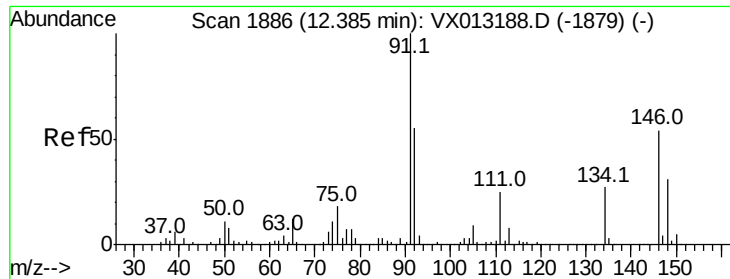
MMDadoda
 10/25/2019 4:33:07 PM



#88
 1,4-Dichlorobenzene
 Concen: 16.572 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013193.D
 Acq: 23 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.3	63.9
148	65.4	32.5	97.5





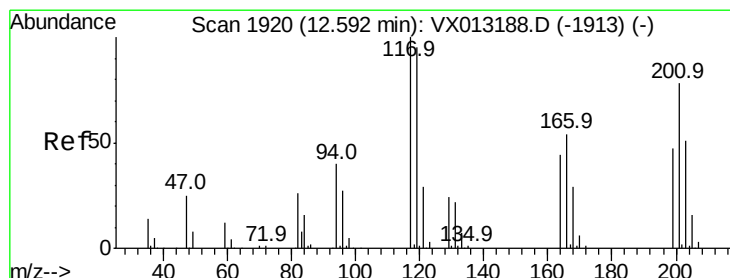
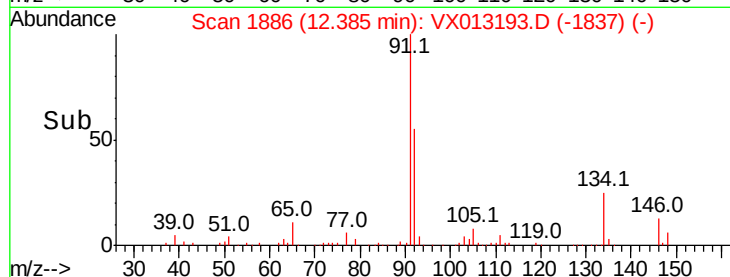
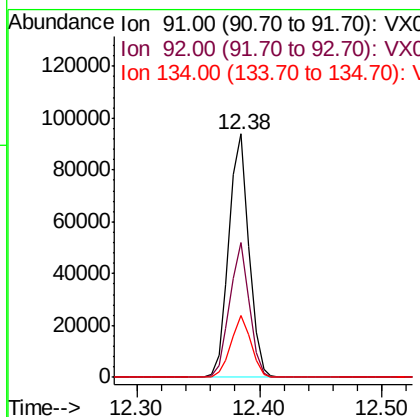
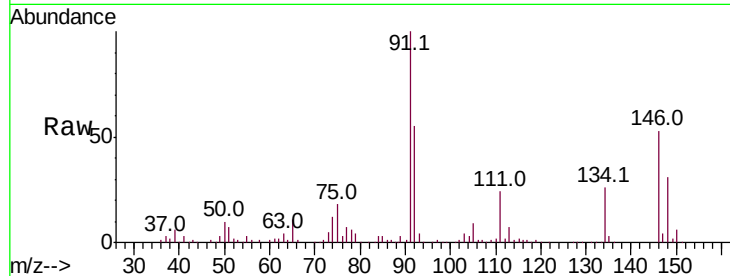
#89
n-Butylbenzene
Concen: 16.738 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.7	83.1
134	25.0	13.2	39.6

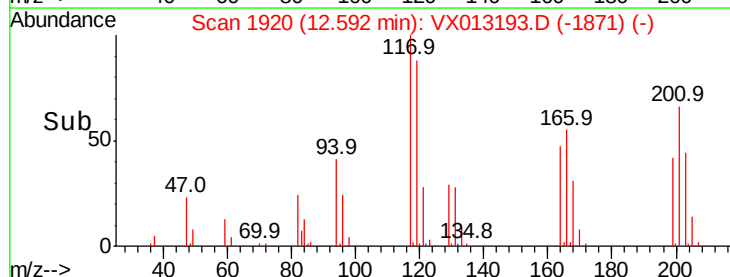
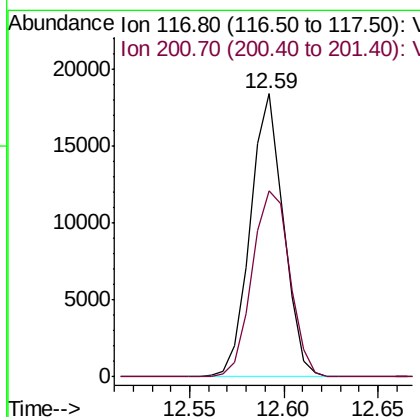
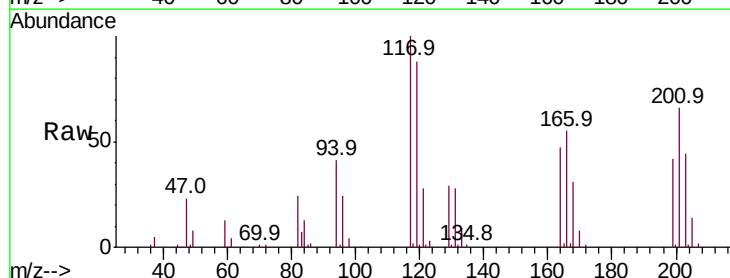
Manual Integrations
APPROVED

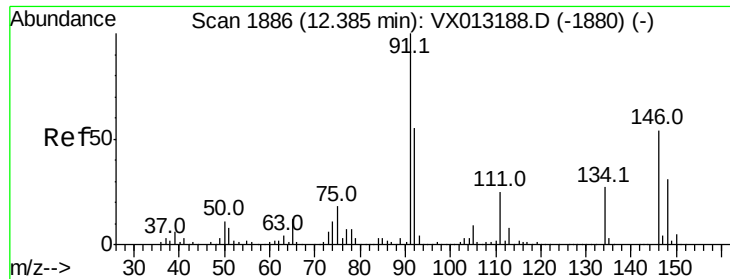
MMDadoda
10/25/2019 4:33:07 PM



#90
Hexachloroethane
Concen: 17.302 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.6	39.0	116.9





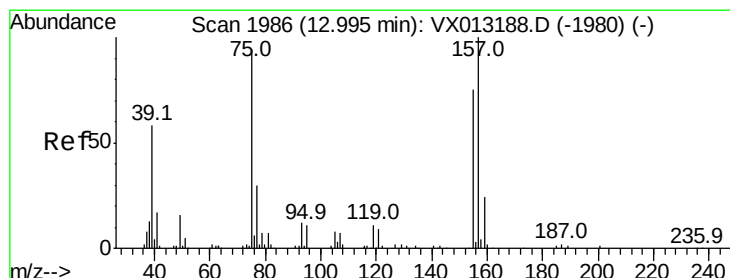
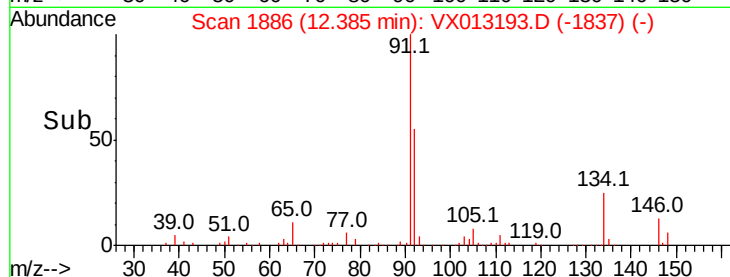
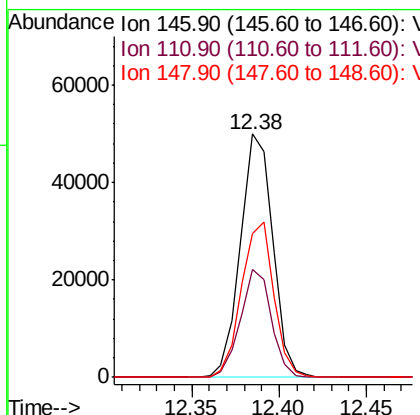
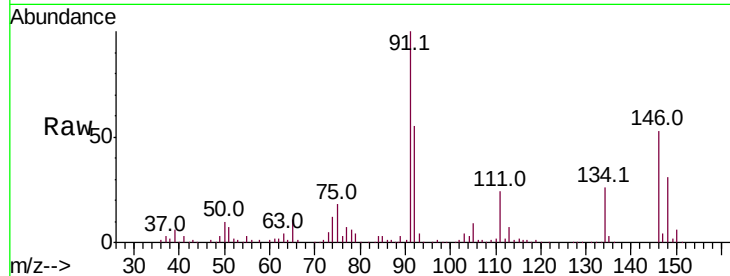
#91
 1,2-Dichlorobenzene
 Concen: 17.128 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013193.D
 Acq: 23 Oct 2019 17:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	22.9	68.8
148	63.7	31.8	95.3

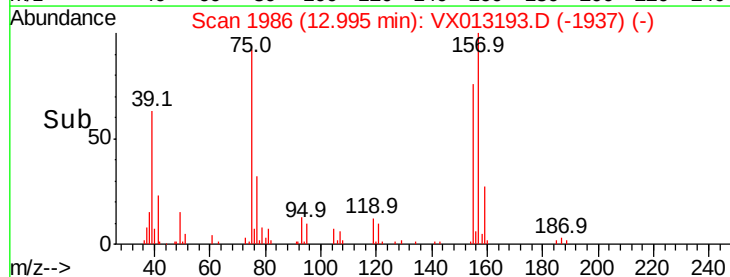
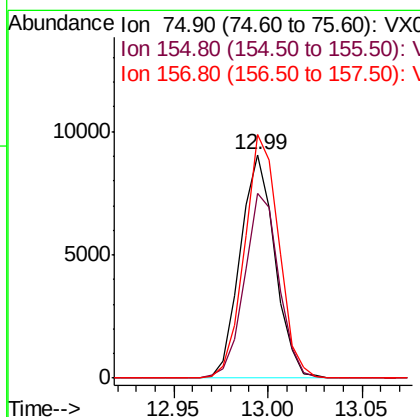
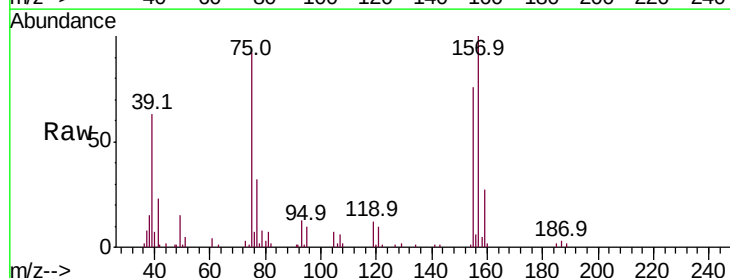
Manual Integrations
 APPROVED

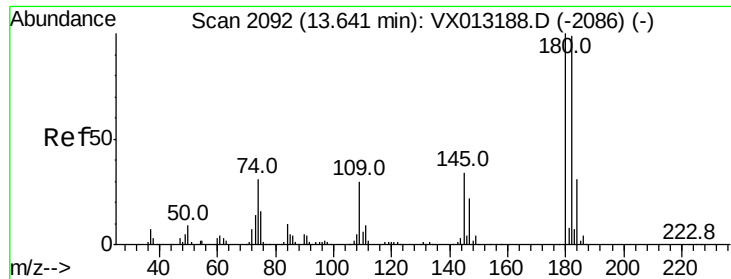
MMDadoda
 10/25/2019 4:33:07 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.287 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013193.D
 Acq: 23 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.2	42.8	128.4
157	107.8	54.3	162.8





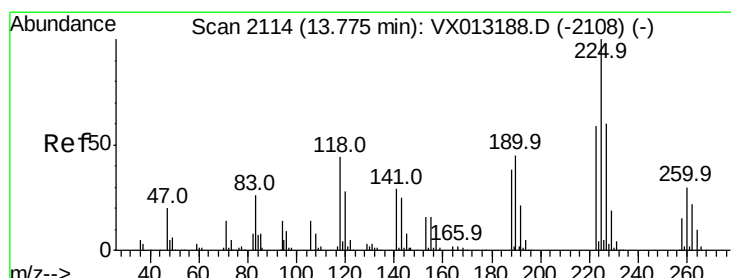
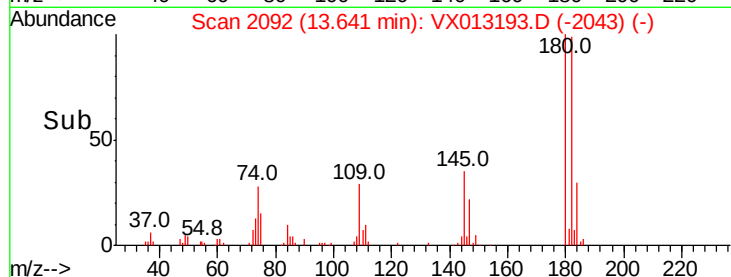
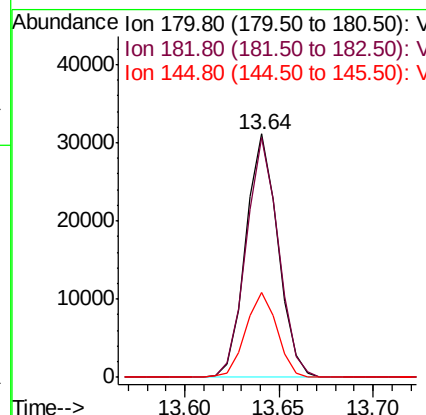
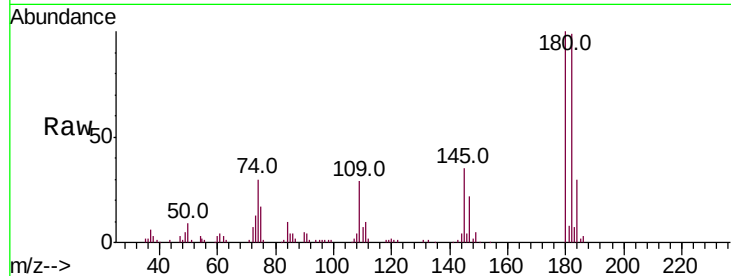
#93
 1,2,4-Trichlorobenzene
 Concen: 15.588 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013193.D
 Acq: 23 Oct 2019 17:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	36913		
182	98.5	45.9	137.6	
145	34.0	15.9	47.6	

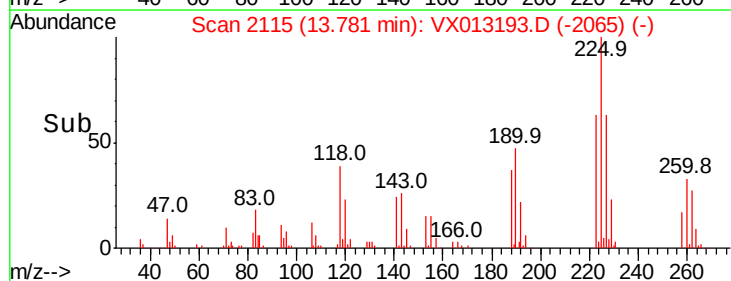
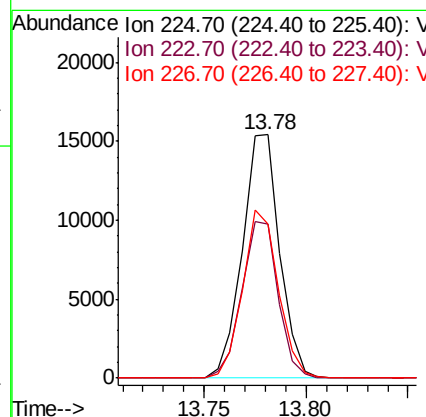
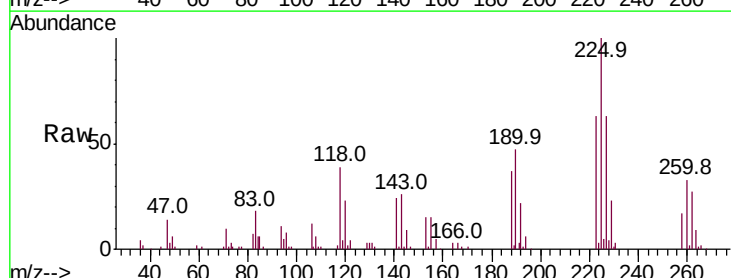
Manual Integrations
 APPROVED

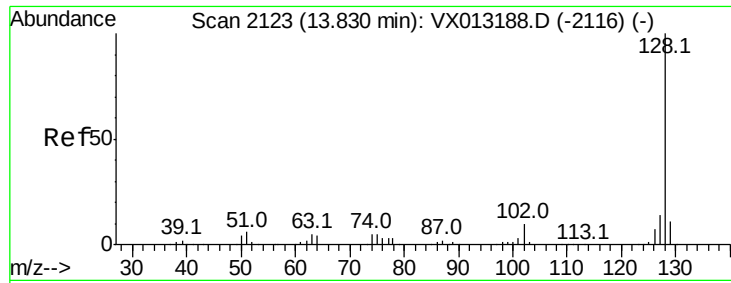
MMDadoda
 10/25/2019 4:33:07 PM



#94
 Hexachlorobutadiene
 Concen: 15.960 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VX013193.D
 Acq: 23 Oct 2019 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	19550		
223	62.6	30.9	92.5	
227	66.0	30.3	90.9	





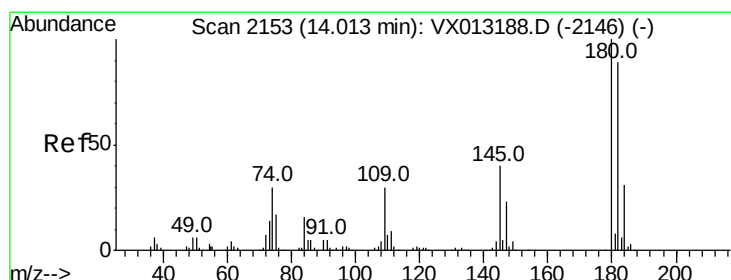
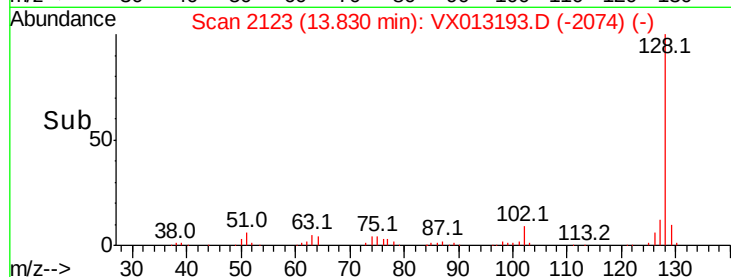
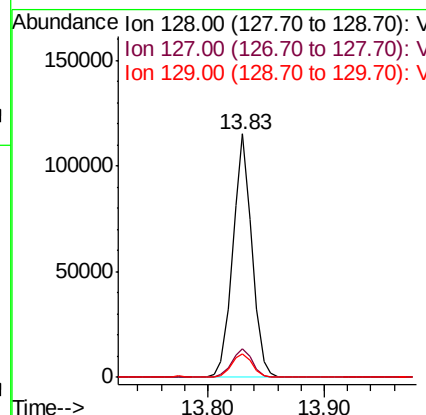
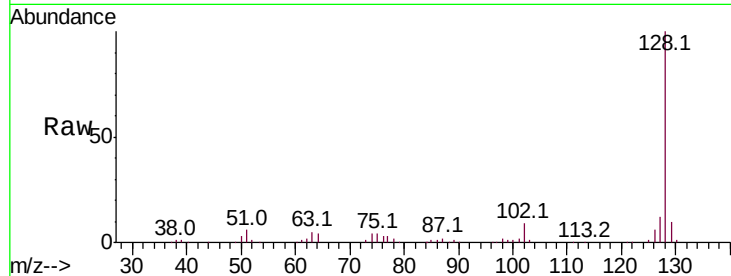
#95
Naphthalene
Concen: 17.913 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.7	16.1
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:33:07 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.350 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.01 min
Lab File: VX013193.D
Acq: 23 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.8	48.3	144.9
145	35.5	18.6	55.6

