

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX122418\
 Data File : VX006790.D
 Acq On : 24 Dec 2018 13:05
 Operator : JC/MD
 Sample : VX1224MBS01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1224MBS01

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 9:57:17 AM

Quant Time: Dec 25 02:57:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	564222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	852853	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	782551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	406902	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	309314	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
35) Dibromofluoromethane	5.51	113	274953	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
50) Toluene-d8	8.71	98	1037026	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
62) 4-Bromofluorobenzene	11.13	95	378560	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	92293	17.881	ug/l	98
3) Chloromethane	1.33	50	100085	17.998	ug/l	97
4) Vinyl Chloride	1.41	62	113592	19.558	ug/l	97
5) Bromomethane	1.64	94	111803	19.458	ug/l	98
6) Chloroethane	1.72	64	70793	17.604	ug/l	94
7) Trichlorofluoromethane	1.93	101	177214	19.571	ug/l	98
8) Diethyl Ether	2.19	74	70709	19.661	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	102498	19.279	ug/l	99
10) Methyl Iodide	2.51	142	146780	19.287	ug/l	99
11) Tert butyl alcohol	3.07	59	149912	110.465	ug/l	97
12) 1,1-Dichloroethene	2.37	96	96669	19.176	ug/l	99
13) Acrolein	2.29	56	87788	95.890	ug/l	99
14) Allyl chloride	2.73	41	163649	19.286	ug/l	98
15) Acrylonitrile	3.15	53	315680	104.766	ug/l	99
16) Acetone	2.45	43	271976	97.351	ug/l	98
17) Carbon Disulfide	2.57	76	202761	15.199	ug/l	98
18) Methyl Acetate	2.78	43	181241	22.062	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	344253	20.575	ug/l	99
20) Methylene Chloride	2.85	84	117669	20.368	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	103211	18.478	ug/l	98
22) Diisopropyl ether	3.87	45	324944	20.932	ug/l	98
23) Vinyl Acetate	3.82	43	1260032	99.232	ug/l	99
24) 1,1-Dichloroethane	3.70	63	180259	19.452	ug/l	99
25) 2-Butanone	4.70	43	401322	102.123	ug/l	97
26) 2,2-Dichloropropane	4.59	77	119886	16.748	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	121601	19.732	ug/l	99
28) Bromochloromethane	5.02	49	89058	21.751	ug/l	100
29) Tetrahydrofuran	5.15	42	273820	105.792	ug/l	98
30) Chloroform	5.21	83	191597	19.966	ug/l	97
31) Cyclohexane	5.57	56	157267	18.681	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	155716	19.217	ug/l	99
36) 1,1-Dichloropropene	5.80	75	138509	19.609	ug/l	99
37) Ethyl Acetate	4.85	43	150013	20.405	ug/l	99
38) Carbon Tetrachloride	5.78	117	128749	18.755	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122418\
 Data File : VX006790.D
 Acq On : 24 Dec 2018 13:05
 Operator : JC/MD
 Sample : VX1224MBS01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1224MBS01

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 9:57:17 AM

Quant Time: Dec 25 02:57:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	170796	18.366	ug/l	99
40) Benzene	6.14	78	435429	20.280	ug/l	98
41) Methacrylonitrile	5.06	41	89145	22.839	ug/l	96
42) 1,2-Dichloroethane	6.20	62	146698	20.051	ug/l	100
43) Isopropyl Acetate	6.46	43	229680	20.532	ug/l	98
44) Trichloroethene	7.21	130	123345	18.980	ug/l	98
45) 1,2-Dichloropropane	7.51	63	107960	20.662	ug/l	98
46) Dibromomethane	7.66	93	75458	19.634	ug/l	97
47) Bromodichloromethane	7.90	83	120607	18.902	ug/l	94
48) Methyl methacrylate	7.77	41	121858	21.422	ug/l	99
49) 1,4-Dioxane	7.75	88	62701	409.533	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	781290	109.771	ug/l	99
52) Toluene	8.79	92	280154	20.197	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	125231	18.300	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	146568	19.520	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	116654	20.546	ug/l	99
56) Ethyl methacrylate	9.18	69	167939	20.928	ug/l	97
57) 1,3-Dichloropropane	9.37	76	185153	20.269	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	441841	103.581	ug/l	100
59) 2-Hexanone	9.49	43	594373	109.145	ug/l	98
60) Dibromochloromethane	9.59	129	101287	18.588	ug/l	98
61) 1,2-Dibromoethane	9.67	107	123823	20.516	ug/l	100
64) Tetrachloroethene	9.34	164	120479	19.443	ug/l	97
65) Chlorobenzene	10.14	112	328398	19.836	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	103420	20.022	ug/l	99
67) Ethyl Benzene	10.25	91	535242	19.785	ug/l	100
68) m/p-Xylenes	10.36	106	424934	39.806	ug/l	100
69) o-Xylene	10.70	106	210699	19.988	ug/l	99
70) Styrene	10.71	104	333973	20.026	ug/l	100
71) Bromoform	10.86	173	71152	18.369	ug/l #	98
73) Isopropylbenzene	11.02	105	555970	19.972	ug/l	100
74) N-amyl acetate	10.90	43	211501	21.226	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	177360	21.424	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	158668m	20.982	ug/l	
77) Bromobenzene	11.26	156	150617	20.013	ug/l	99
78) n-propylbenzene	11.36	91	609834	19.894	ug/l	99
79) 2-Chlorotoluene	11.42	91	369635	19.898	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	455731	19.876	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	34523	16.950	ug/l #	86
82) 4-Chlorotoluene	11.51	91	415863	19.516	ug/l	98
83) tert-Butylbenzene	11.77	119	475398	20.717	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	468641	19.432	ug/l	99
85) sec-Butylbenzene	11.94	105	555658	19.750	ug/l	100
86) p-Isopropyltoluene	12.06	119	490708	19.841	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	268264	19.778	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	268727	19.327	ug/l	99
89) n-Butylbenzene	12.39	91	409855	19.472	ug/l	98
90) Hexachloroethane	12.60	117	64178	18.782	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	267085	19.685	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	32368	18.896	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX122418\
Data File : VX006790.D
Acq On : 24 Dec 2018 13:05
Operator : JC/MD
Sample : VX1224MBS01
Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_X/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBS01

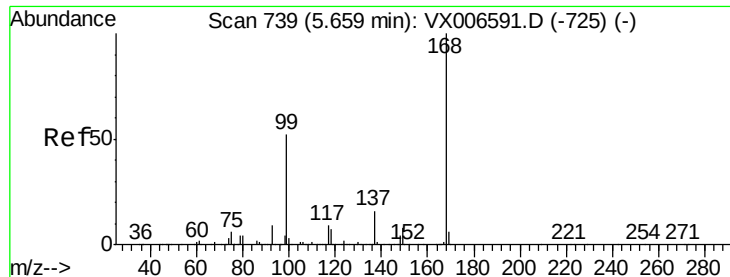
Manual Integrations
APPROVED

MMDadoda
12/26/2018 9:57:17 AM

Quant Time: Dec 25 02:57:31 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	179528	19.182	ug/l	100
94) Hexachlorobutadiene	13.78	225	82555	18.714	ug/l	99
95) Naphthalene	13.83	128	569134	19.053	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	186583	19.308	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBS01

Tot Ion:168 Resp: 564222

Ion Ratio Lower Upper

168 100

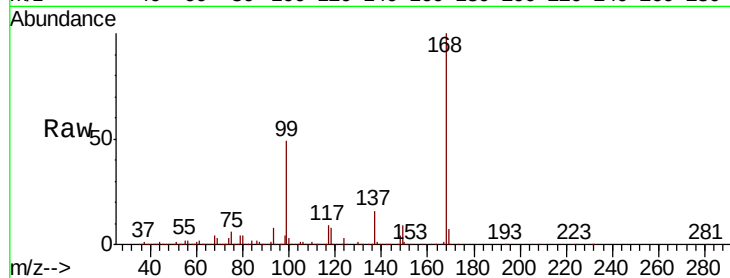
99 48.8 41.8 62.8

Manual Integrations

APPROVED

MMDadoda

12/26/2018 9:57:17 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

200000

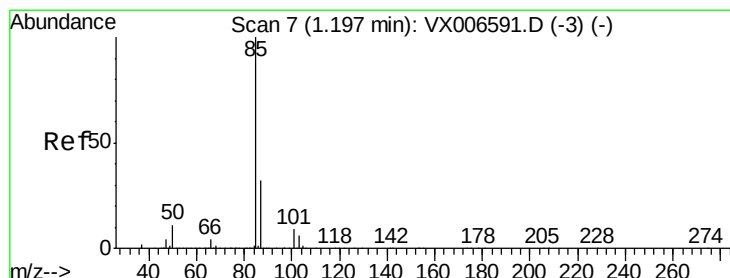
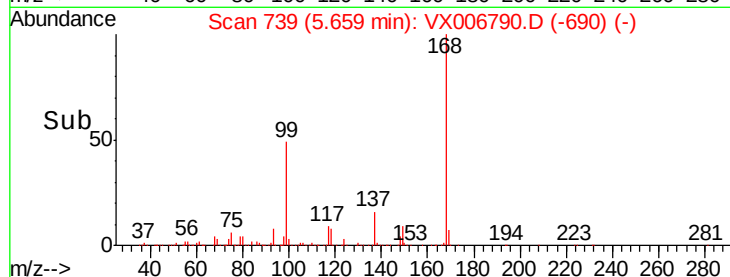
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 17.881 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006790.D

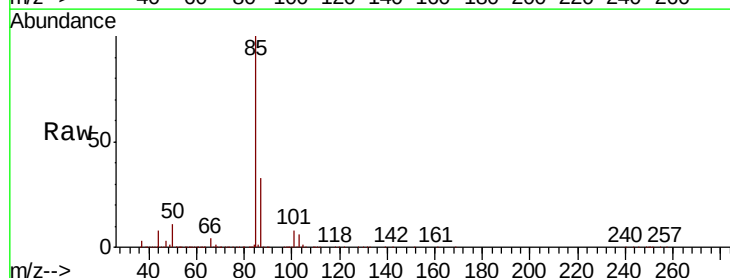
Acq: 24 Dec 2018 13:05

Tgt Ion: 85 Resp: 92293

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

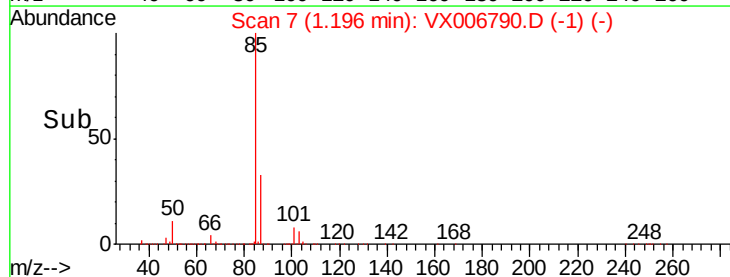
60000

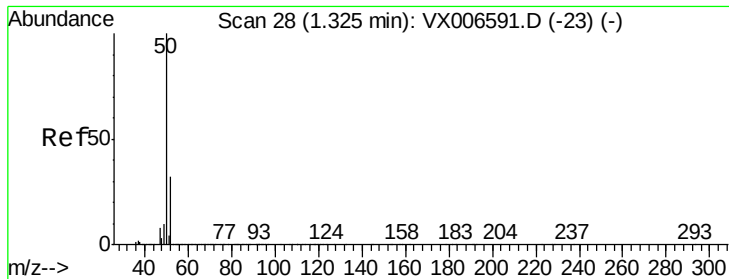
40000

20000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 17.998 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBS01

Tot Ion: 50 Resp: 100085

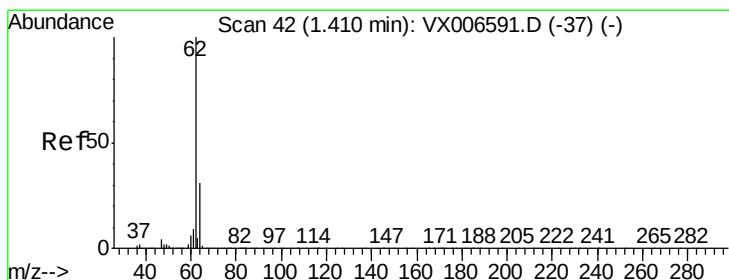
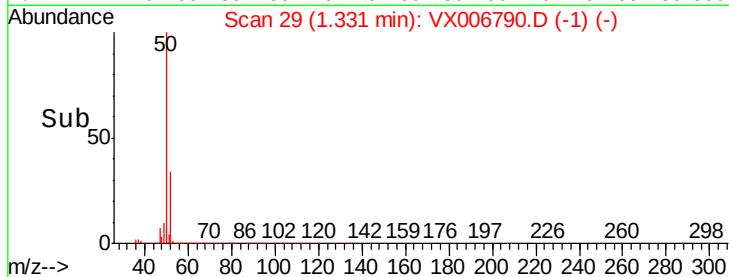
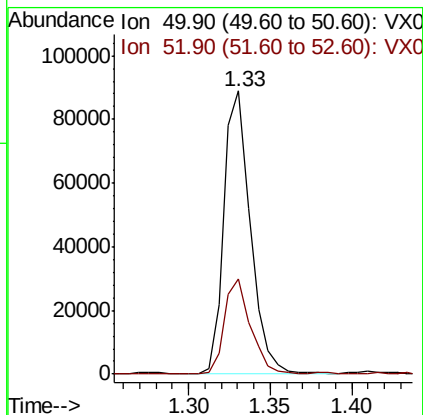
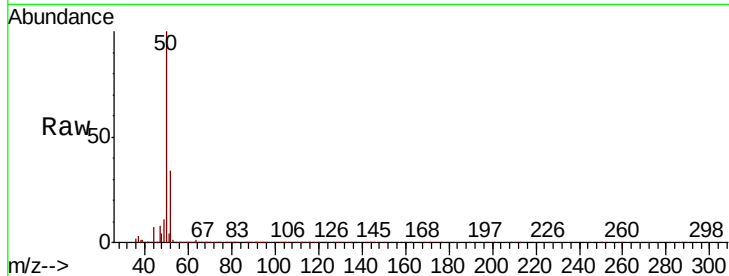
Ion Ratio Lower Upper

50 100

52 33.7 25.4 38.2

Manual Integrations
APPROVED

MMDadoda
12/26/2018 9:57:17 AM



#4

Vinyl Chloride

Concen: 19.558 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006790.D

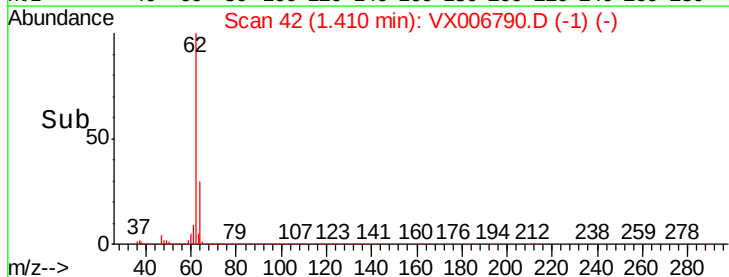
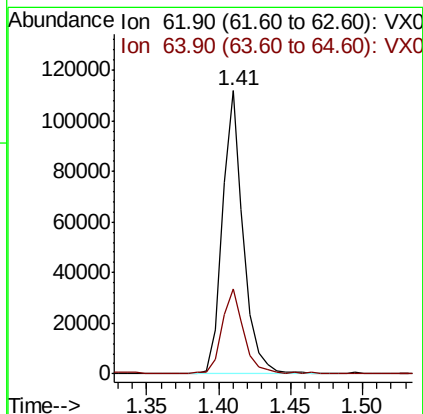
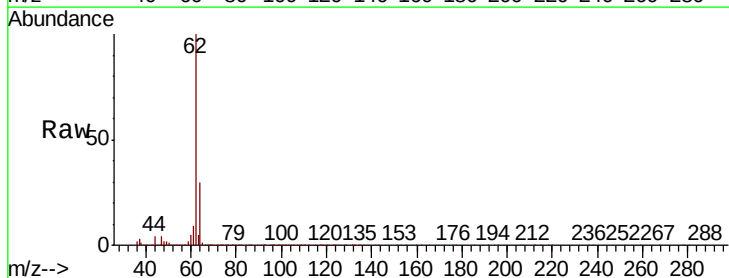
Acq: 24 Dec 2018 13:05

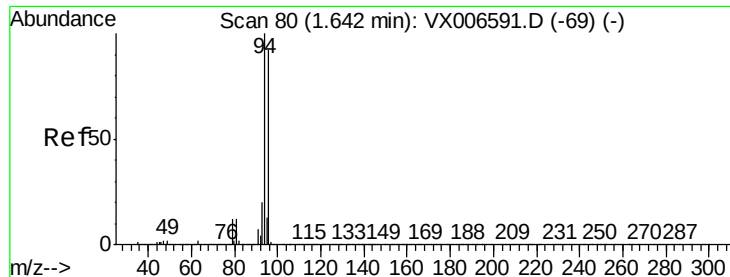
Tgt Ion: 62 Resp: 113592

Ion Ratio Lower Upper

62 100

64 29.8 25.1 37.7





#5

Bromomethane

Concen: 19.458 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBS01

Tot Ion: 94 Resp: 111803

Ion Ratio Lower Upper

94 100

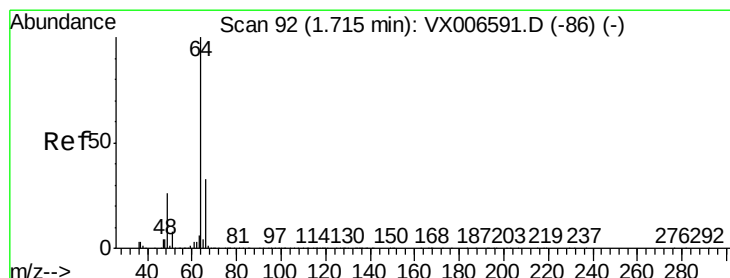
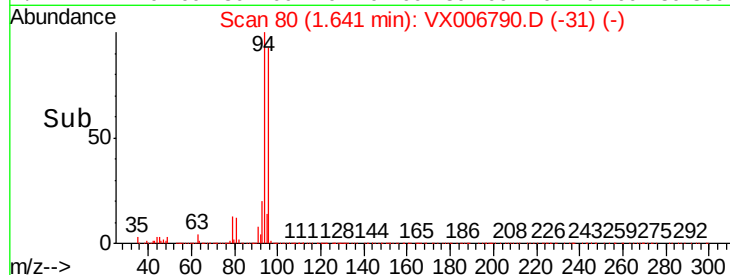
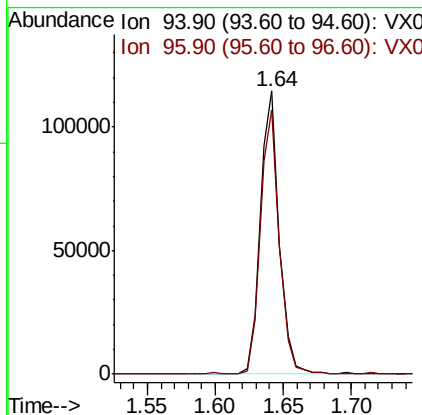
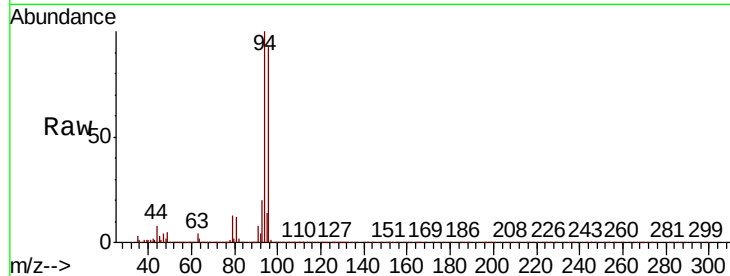
96 93.2 73.4 110.2

Manual Integrations

APPROVED

MMDadoda

12/26/2018 9:57:17 AM



#6

Chloroethane

Concen: 17.604 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006790.D

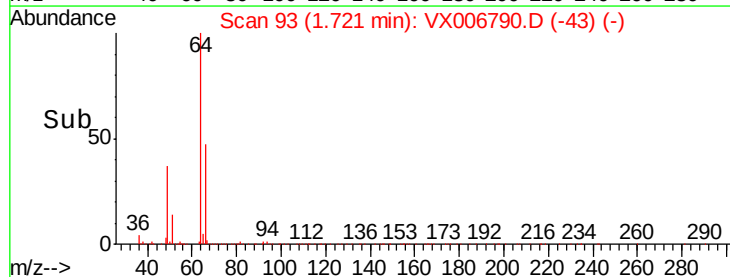
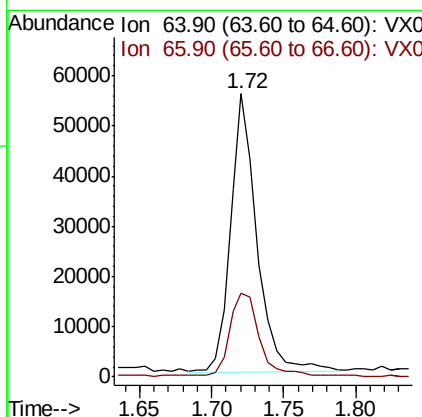
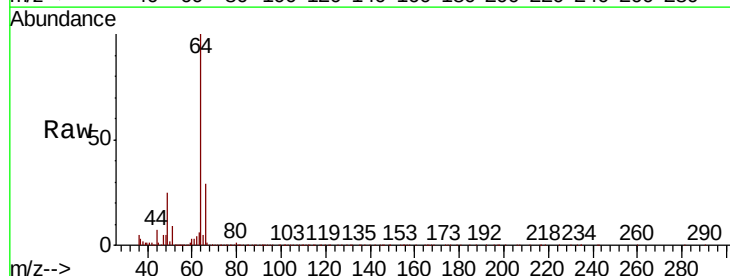
Acq: 24 Dec 2018 13:05

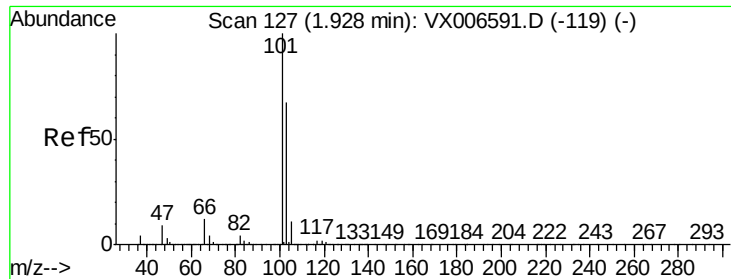
Tgt Ion: 64 Resp: 70793

Ion Ratio Lower Upper

64 100

66 29.5 26.4 39.6





#7

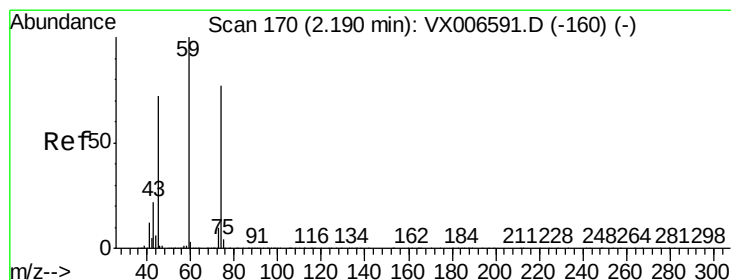
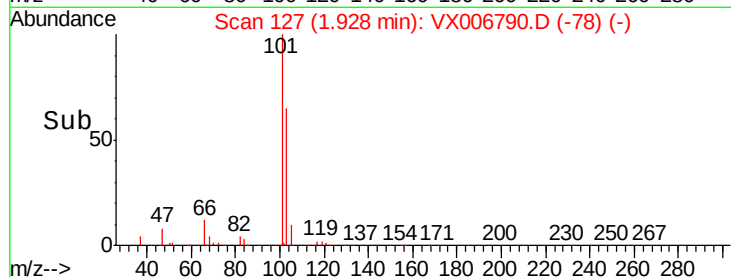
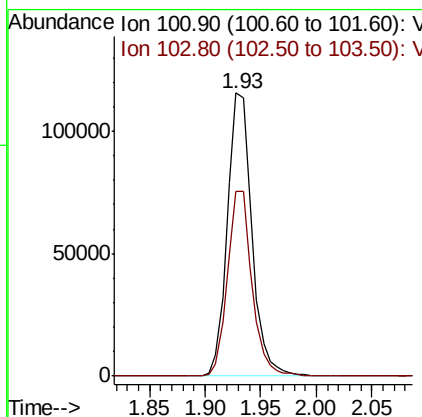
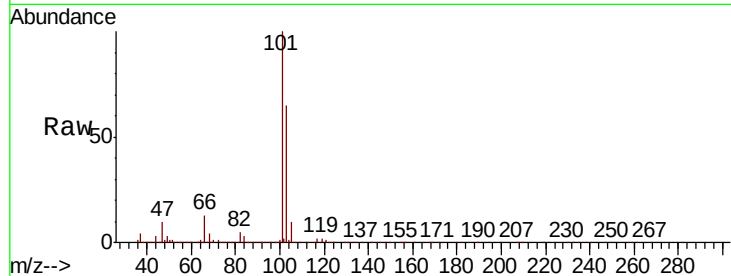
Trichlorofluoromethane
Concen: 19.571 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	53.2	79.8

Manual Integrations
APPROVED

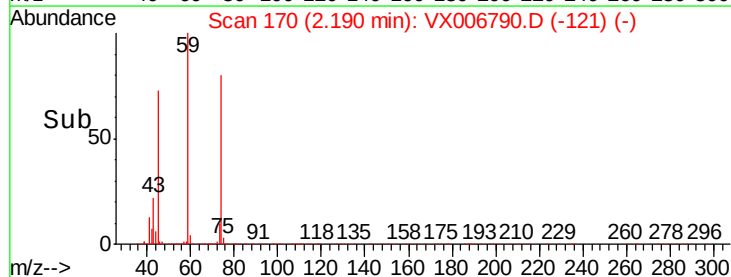
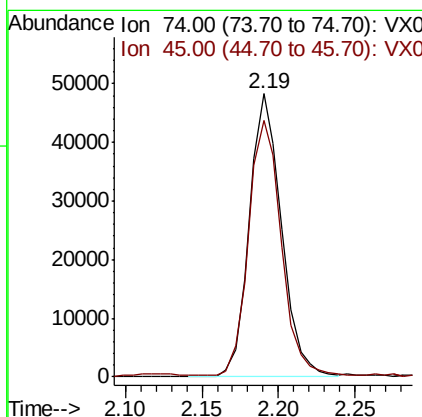
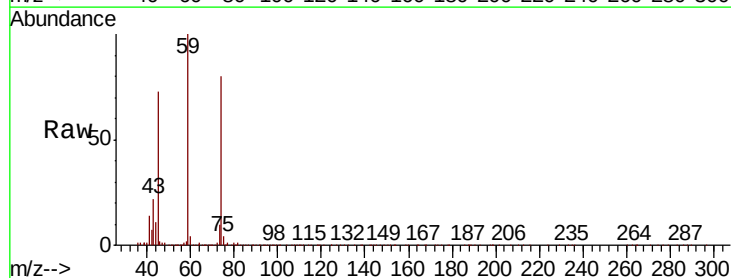
MMDadoda
12/26/2018 9:57:17 AM

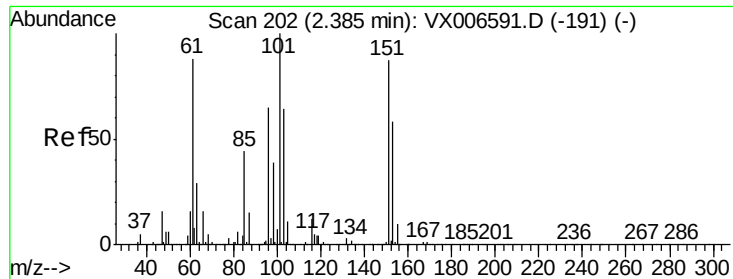


#8

Diethyl Ether
Concen: 19.661 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.9	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.279 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Instrument :

MSVOA_X

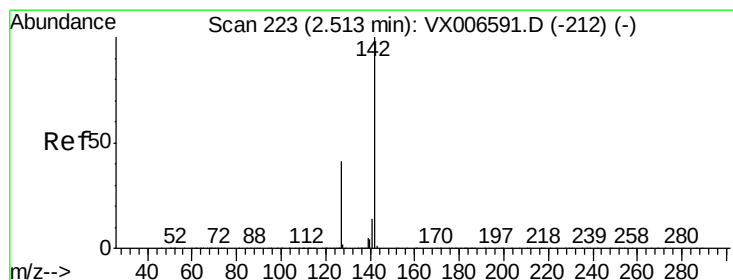
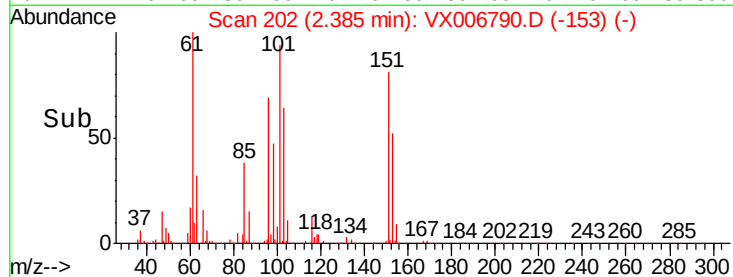
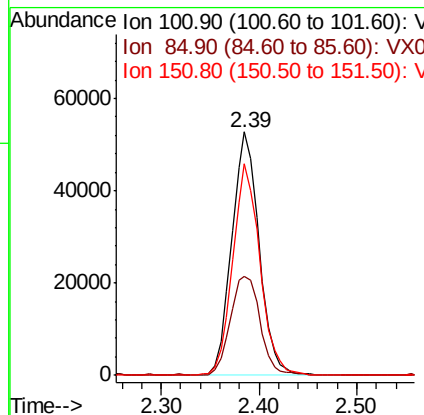
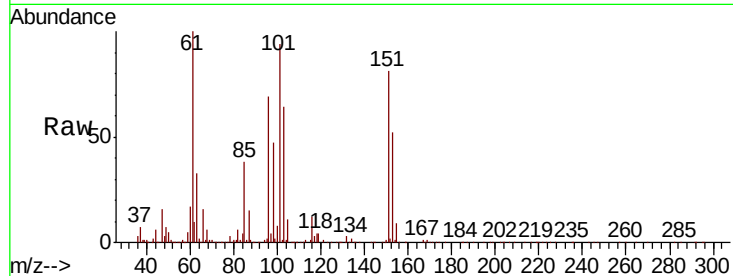
ClientSampleId :

VX1224MBS01

Tot Ion:	101	Resp:	102498
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.1	52.7
151	86.6	68.9	103.3

Manual Integrations
APPROVED

MMDadoda
12/26/2018 9:57:17 AM



#10

Methyl Iodide

Concen: 19.287 ug/l

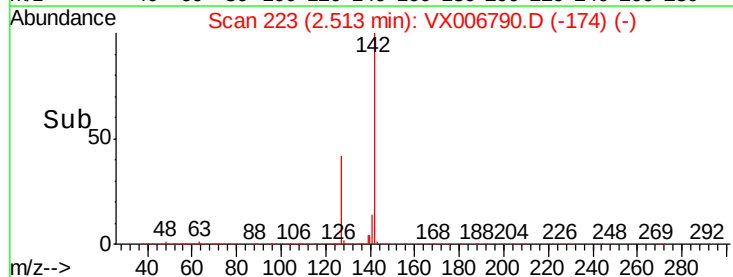
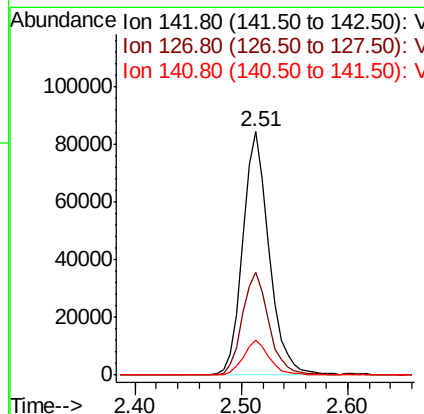
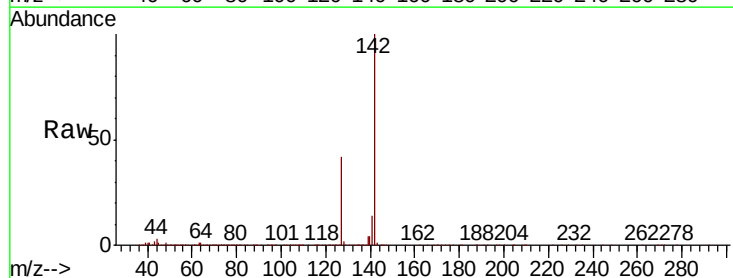
RT: 2.51 min Scan# 223

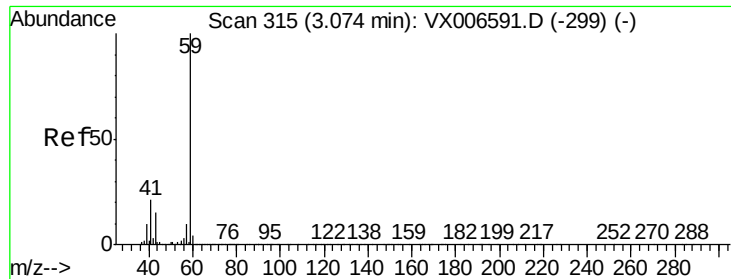
Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Tgt Ion:	142	Resp:	146780
Ion Ratio	Lower	Upper	
142	100		
127	42.8	33.9	50.9
141	14.5	11.4	17.0





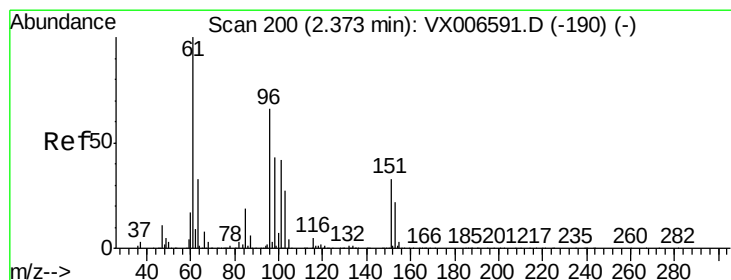
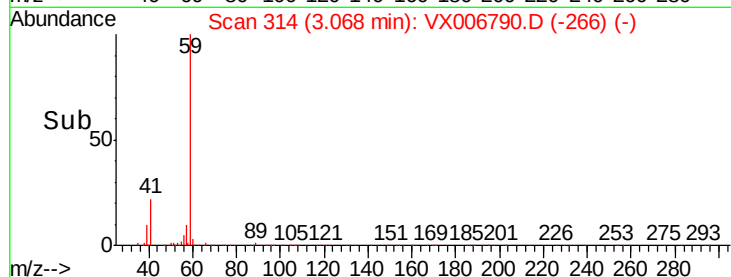
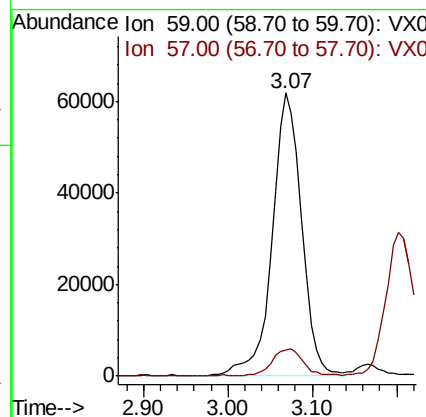
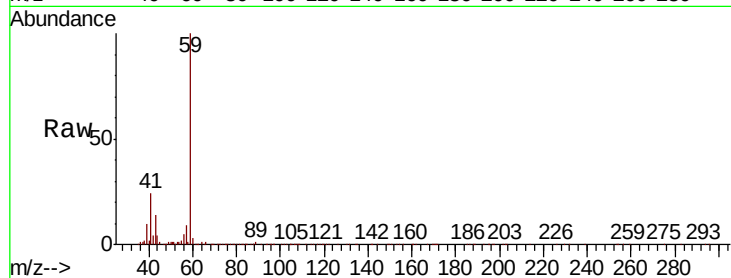
#11
Tert butyl alcohol
Concen: 110.465 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.5	12.7

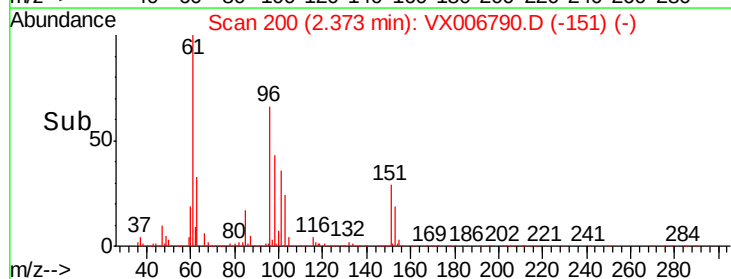
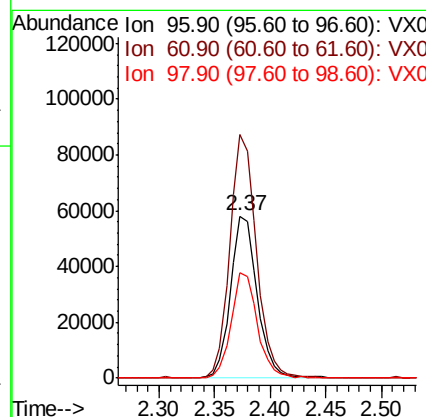
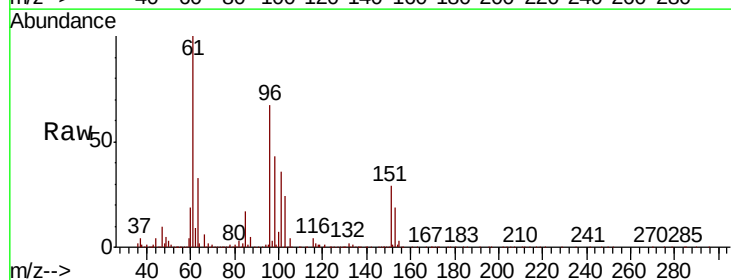
Manual Integrations
APPROVED

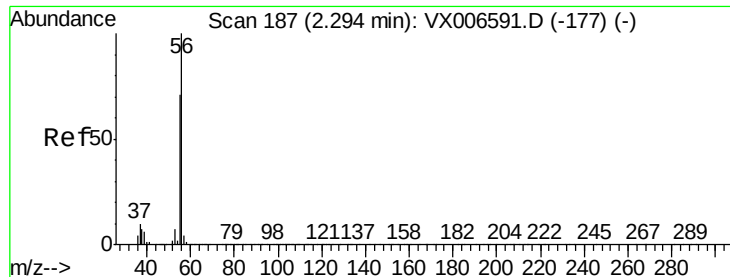
MMDadoda
12/26/2018 9:57:17 AM



#12
1,1-Dichloroethene
Concen: 19.176 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.4	121.4	182.2
98	65.0	51.9	77.9





#13

Acrolein

Concen: 95.890 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBS01

Tot Ion: 56 Resp: 87788

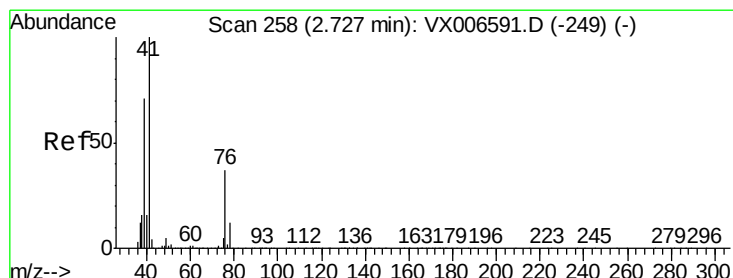
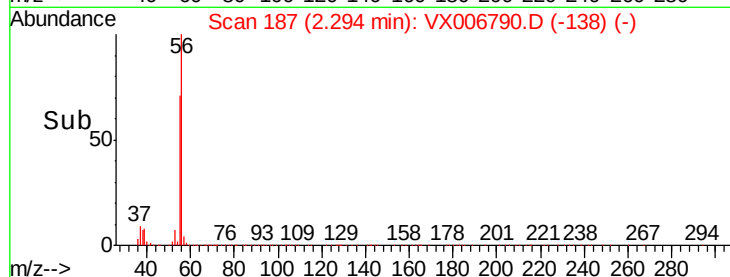
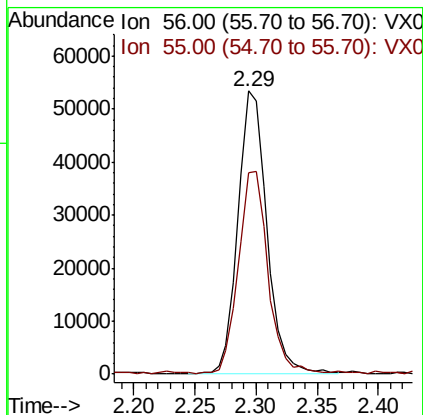
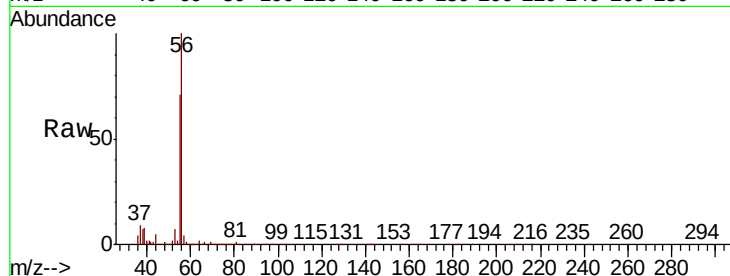
Ion Ratio Lower Upper

56 100

55 72.0 58.2 87.4

Manual Integrations
APPROVED

MMDadoda
12/26/2018 9:57:17 AM



#14

Allyl chloride

Concen: 19.286 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

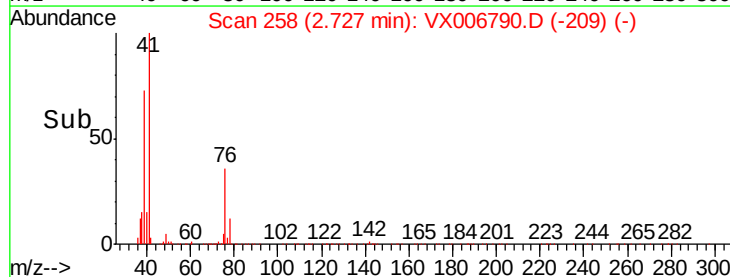
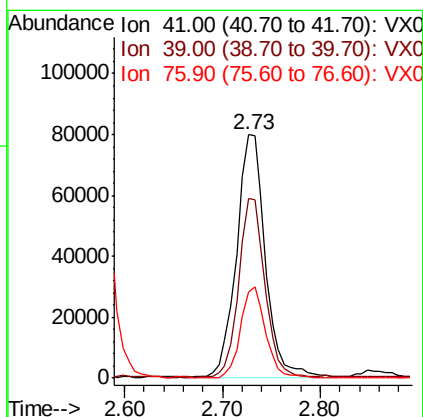
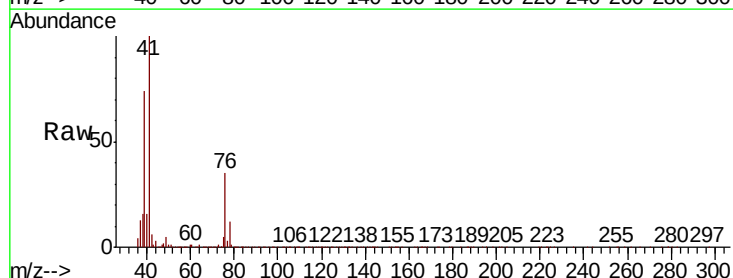
Tgt Ion: 41 Resp: 163649

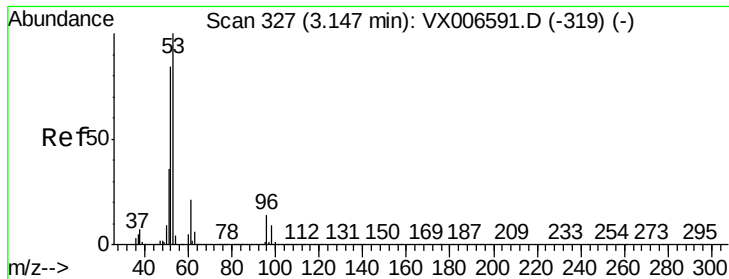
Ion Ratio Lower Upper

41 100

39 66.6 53.6 80.4

76 32.2 27.4 41.2





#15

Acrylonitrile

Concen: 104.766 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Instrument :

MSVOA_X

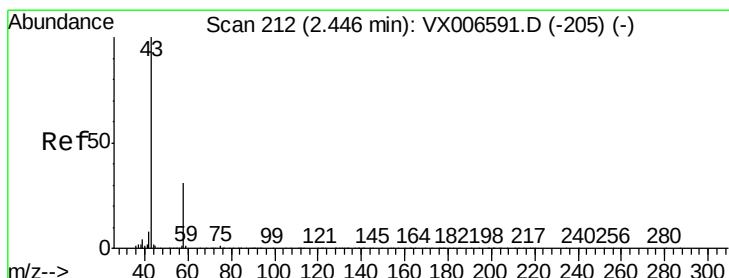
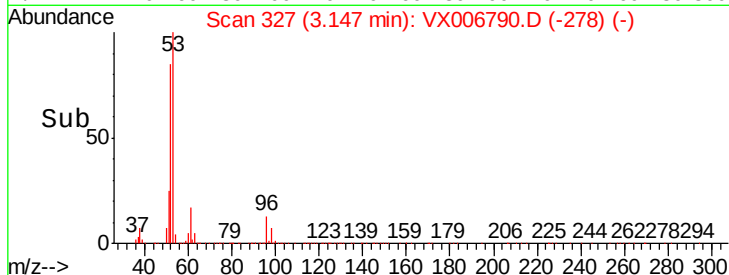
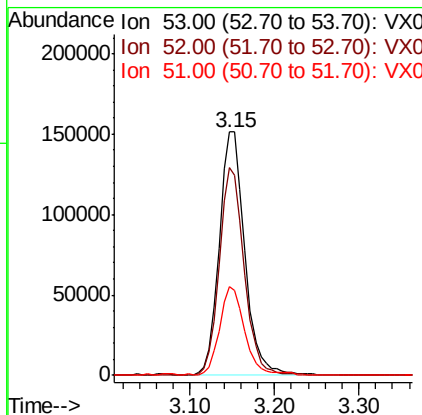
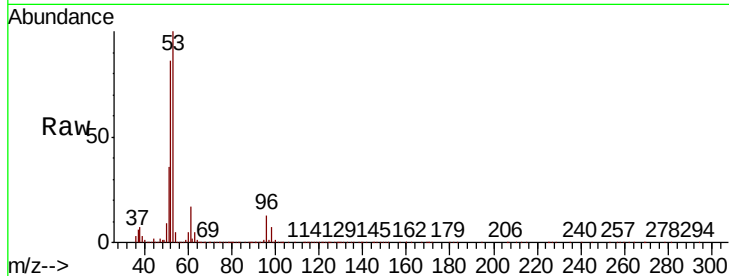
ClientSampleId :

VX1224MBS01

Tot Ion:	53	Resp:	315680
Ion Ratio		Lower	Upper
53	100		
52	83.6	66.0	99.0
51	35.5	28.6	42.8

Manual Integrations
APPROVED

MMDadoda
12/26/2018 9:57:17 AM



#16

Acetone

Concen: 97.351 ug/l

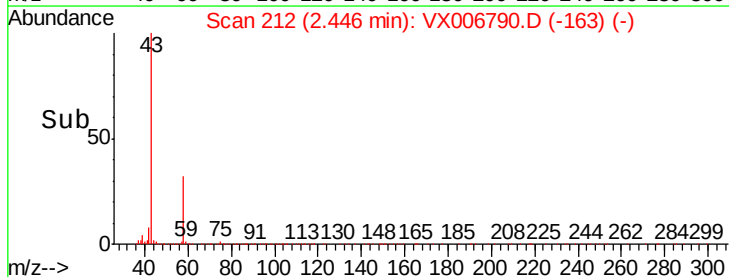
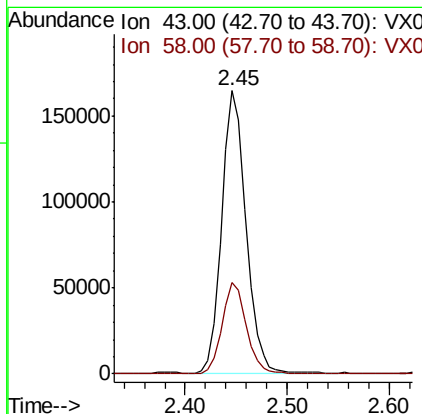
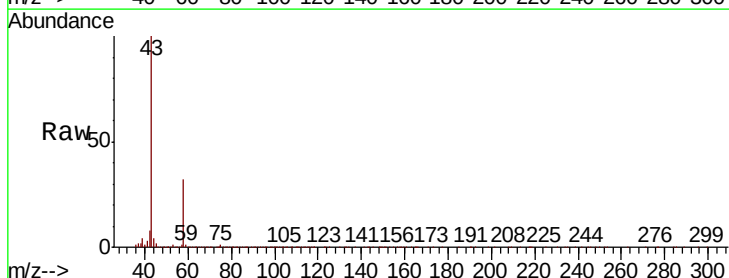
RT: 2.45 min Scan# 212

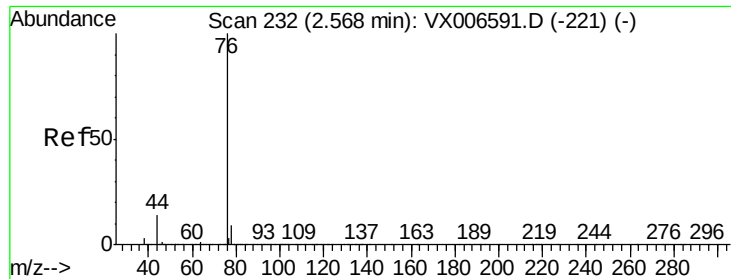
Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Tgt Ion:	43	Resp:	271976
Ion Ratio		Lower	Upper
43	100		
58	32.3	25.0	37.6





#17

Carbon Disulfide

Concen: 15.199 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBS01

Tot Ion: 76 Resp: 202761

Ion Ratio Lower Upper

76 100

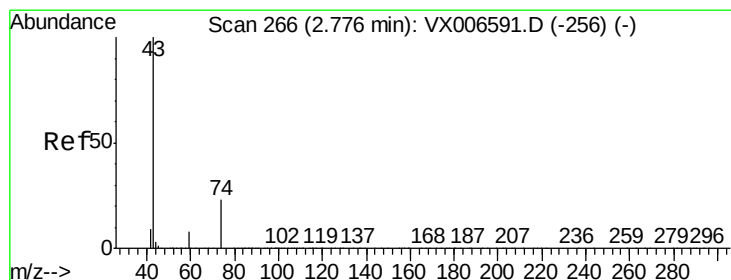
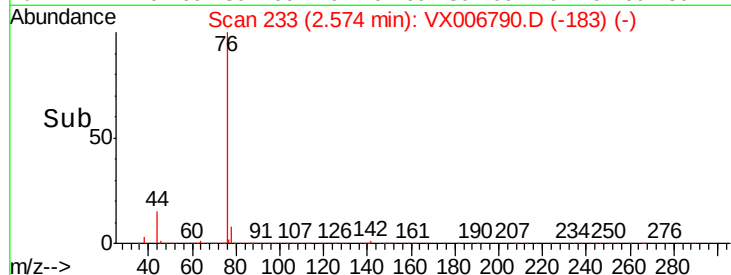
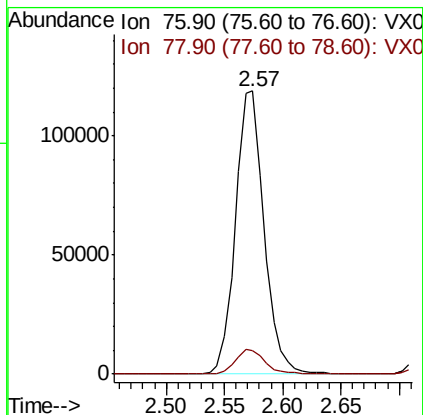
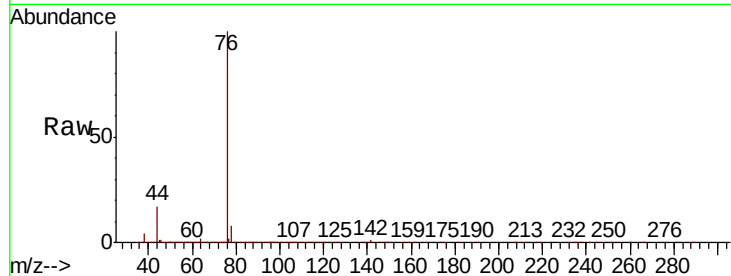
78 8.2 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

12/26/2018 9:57:17 AM



#18

Methyl Acetate

Concen: 22.062 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006790.D

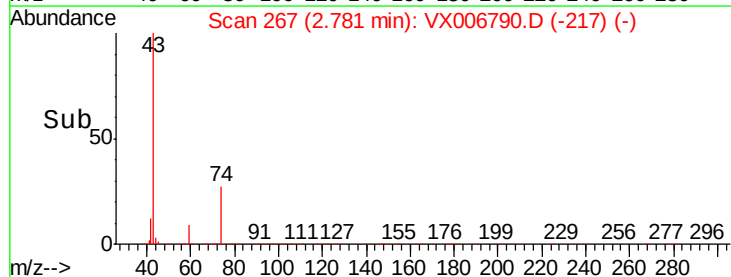
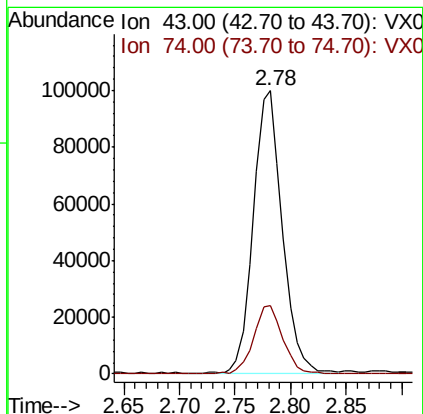
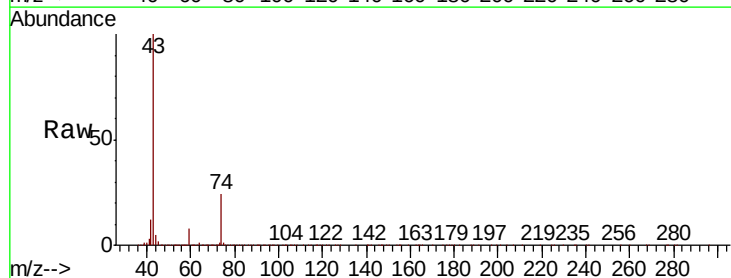
Acq: 24 Dec 2018 13:05

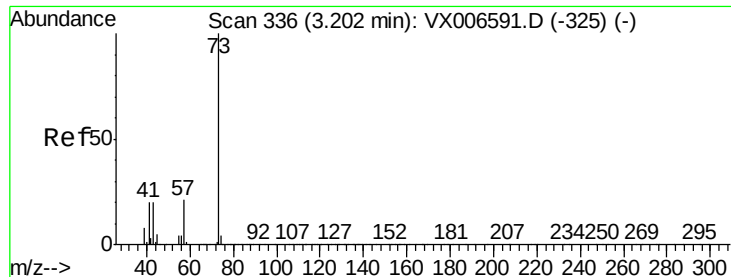
Tgt Ion: 43 Resp: 181241

Ion Ratio Lower Upper

43 100

74 25.0 18.6 28.0





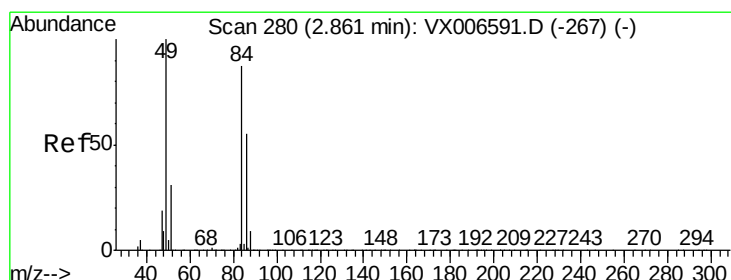
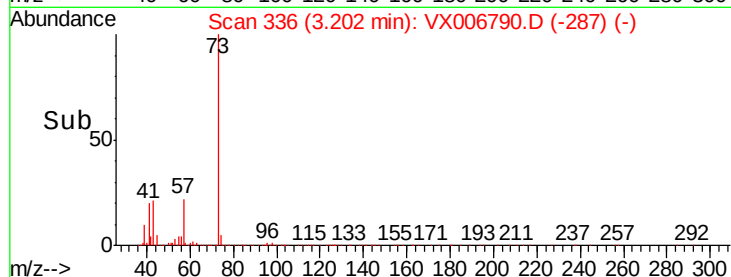
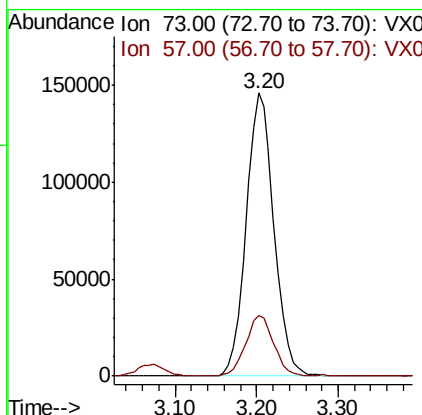
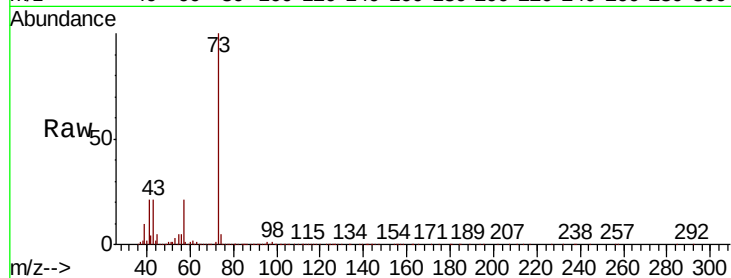
#19
Methyl tert-butyl Ether
Concen: 20.575 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	16.8	25.2

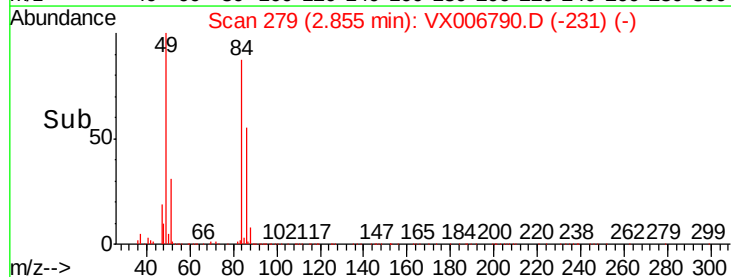
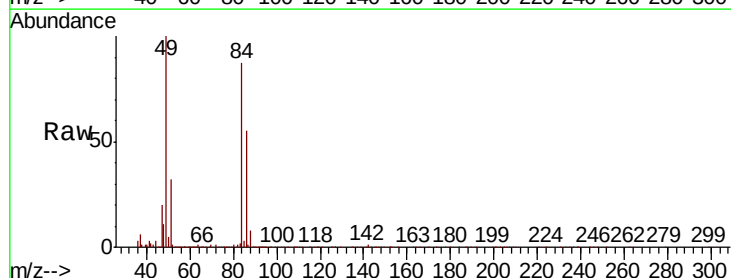
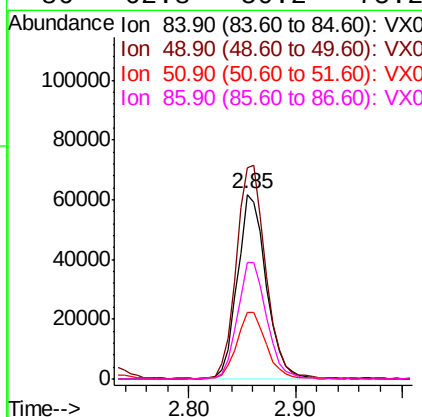
Manual Integrations
APPROVED

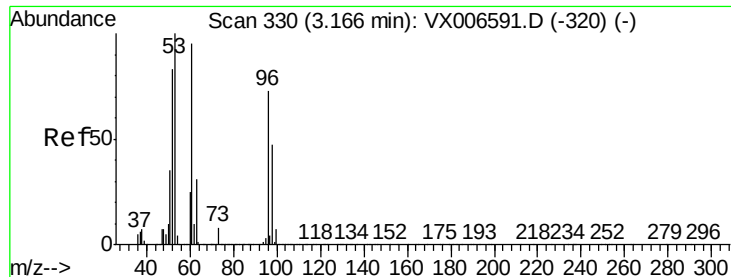
MMDadoda
12/26/2018 9:57:17 AM



#20
Methylene Chloride
Concen: 20.368 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.1	91.8	137.6
51	35.8	28.5	42.7
86	62.8	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 18.478 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Instrument :

MSVOA_X

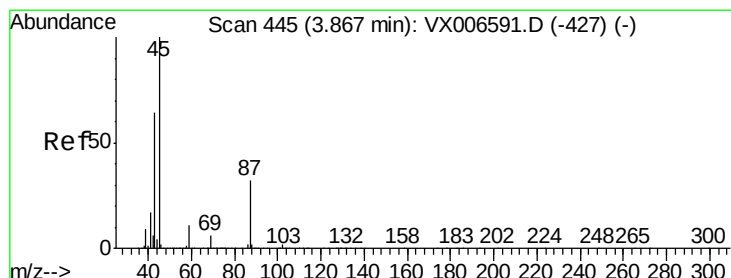
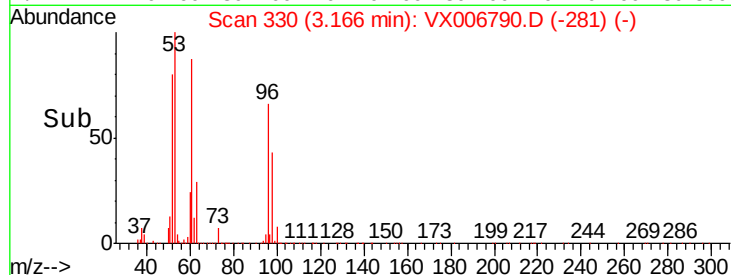
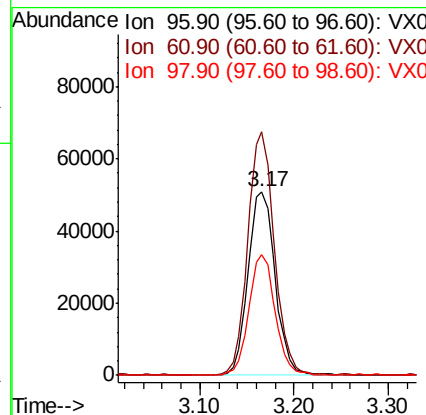
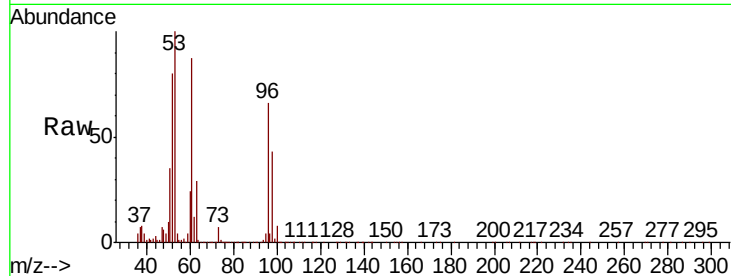
ClientSampleId :

VX1224MBS01

Tot Ion:	96	Resp:	103211
Ion Ratio	Lower	Upper	
96	100		
61	131.9	103.7	155.5
98	65.4	51.0	76.6

Manual Integrations
APPROVED

MMDadoda
12/26/2018 9:57:17 AM



#22

Diisopropyl ether

Concen: 20.932 ug/l

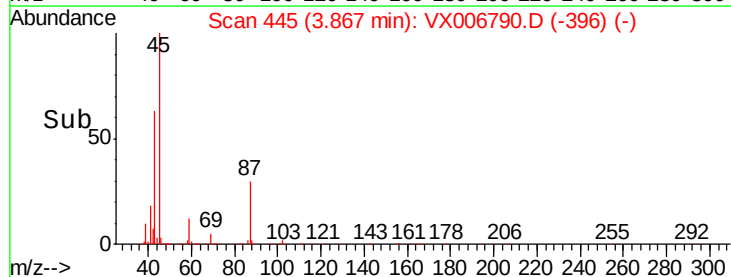
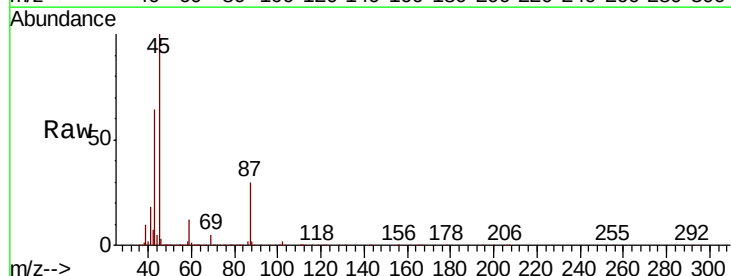
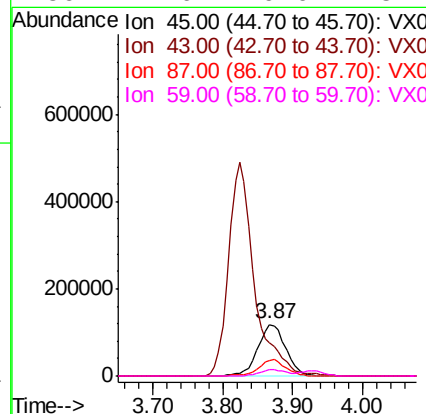
RT: 3.87 min Scan# 445

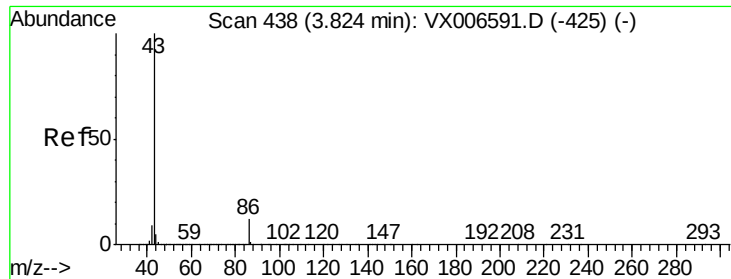
Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Tgt Ion:	45	Resp:	324944
Ion Ratio	Lower	Upper	
45	100		
43	63.5	51.2	76.8
87	30.0	25.8	38.6
59	11.6	9.0	13.4





#23

Vinyl Acetate

Concen: 99.232 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBS01

Tot Ion: 43 Resp: 1260032

Ion Ratio Lower Upper

43 100

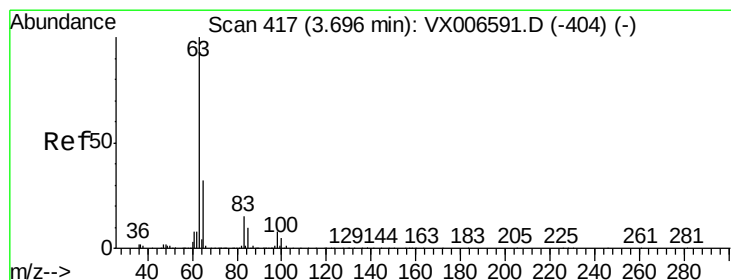
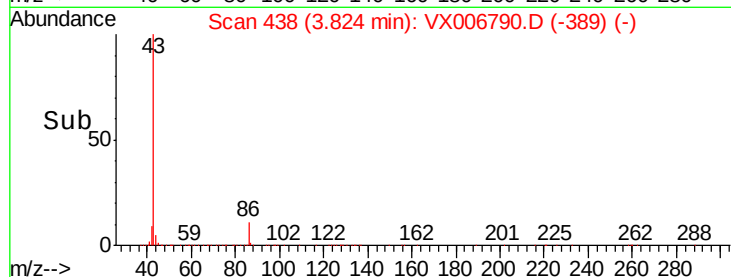
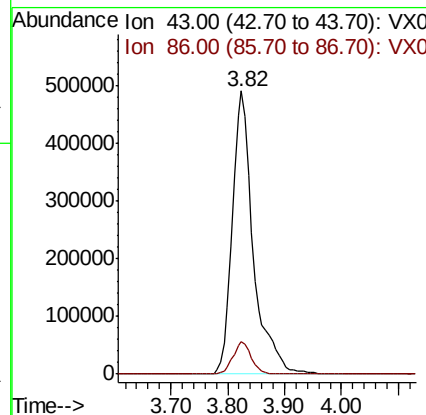
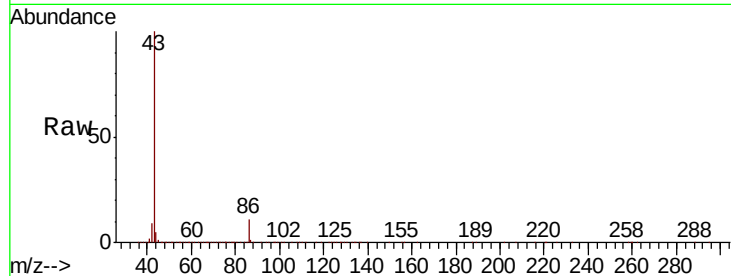
86 11.3 9.2 13.8

Manual Integrations

APPROVED

MMDadoda

12/26/2018 9:57:17 AM



#24

1,1-Dichloroethane

Concen: 19.452 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

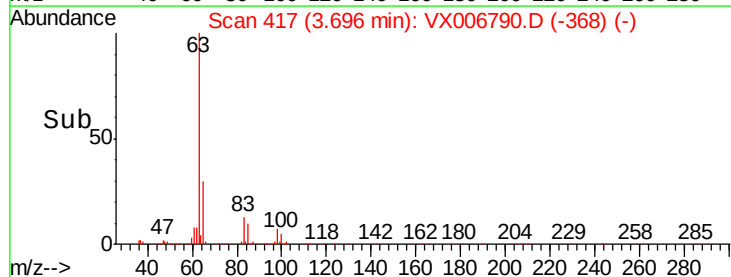
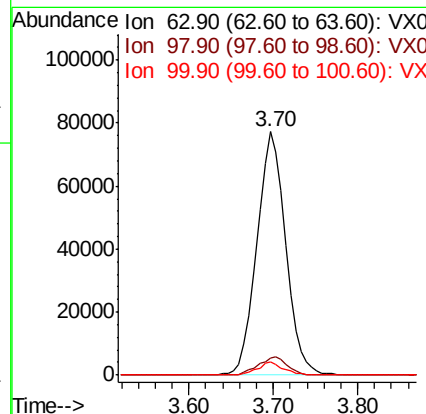
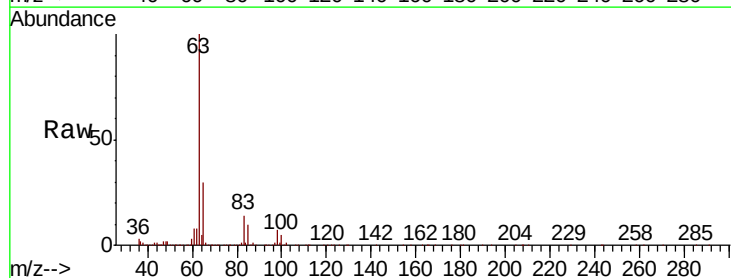
Tgt Ion: 63 Resp: 180259

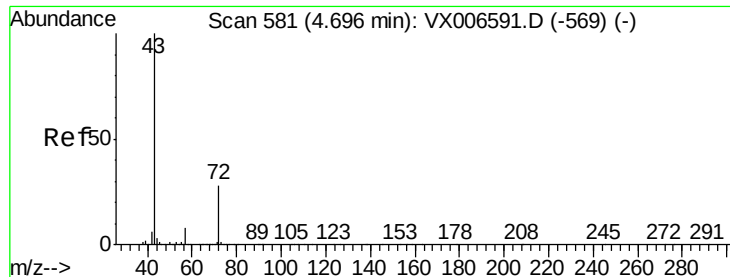
Ion Ratio Lower Upper

63 100

98 7.0 3.9 11.5

100 5.1 2.4 7.2





#25

2-Butanone

Concen: 102.123 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBS01

Tot Ion: 43 Resp: 401322

Ion Ratio Lower Upper

43 100

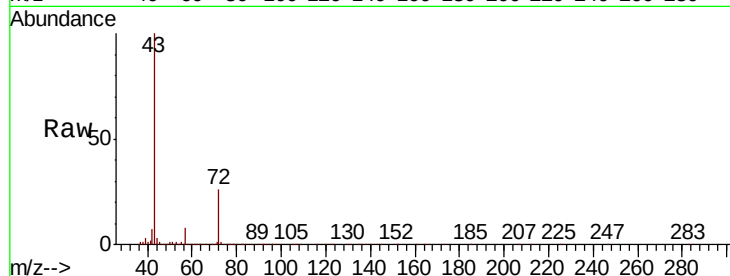
72 26.4 22.4 33.6

Manual Integrations

APPROVED

MMDadoda

12/26/2018 9:57:17 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

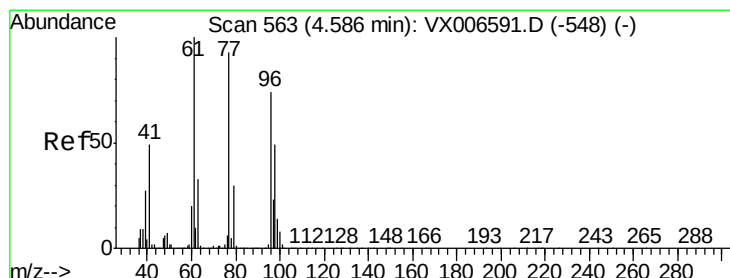
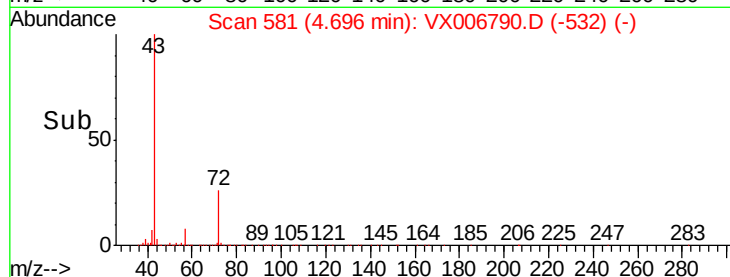
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 16.748 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006790.D

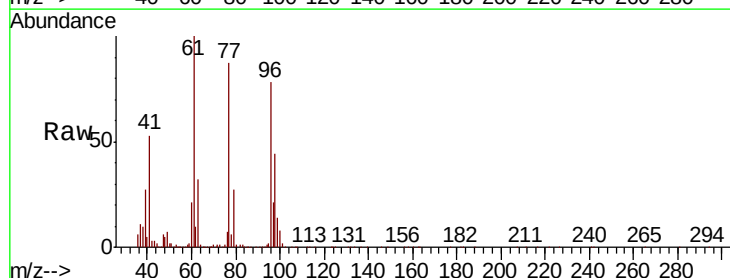
Acq: 24 Dec 2018 13:05

Tgt Ion: 77 Resp: 119886

Ion Ratio Lower Upper

77 100

97 25.6 12.4 37.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

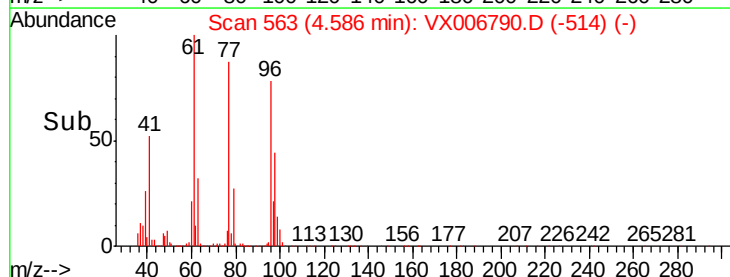
20000

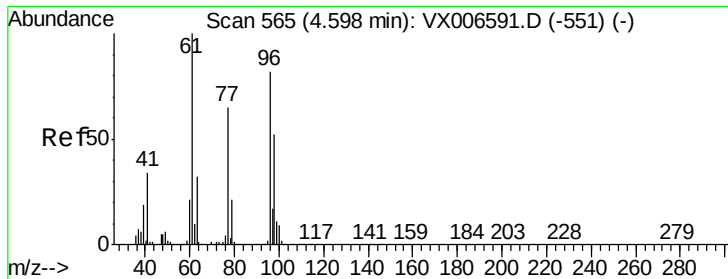
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

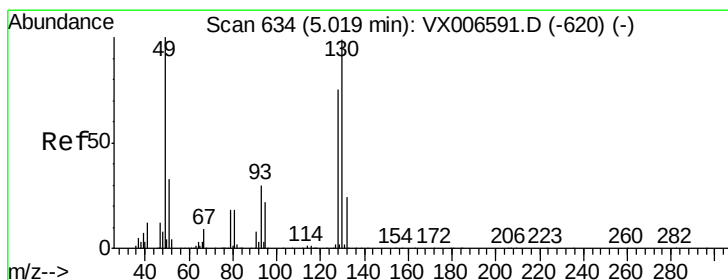
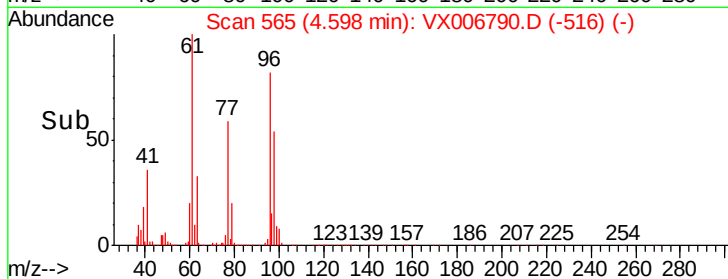
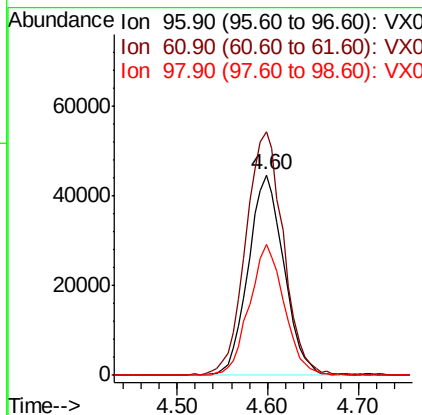
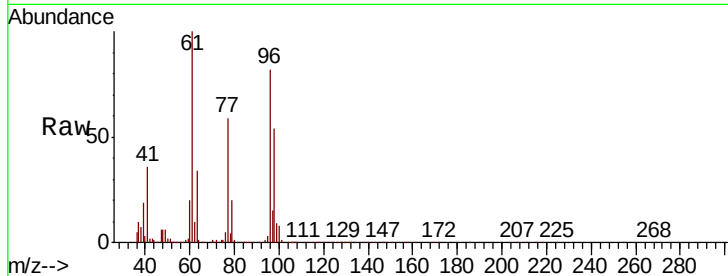
cis-1,2-Dichloroethene
Concen: 19.732 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.3	0.0	258.6
98	64.0	0.0	132.0

Manual Integrations
APPROVED

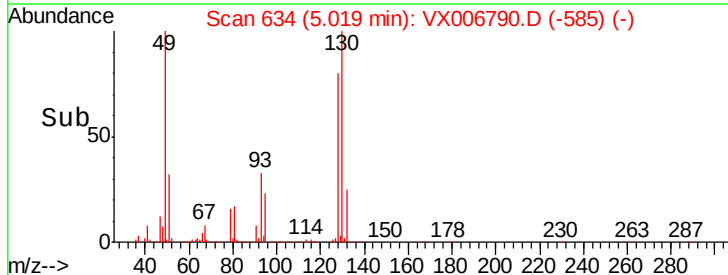
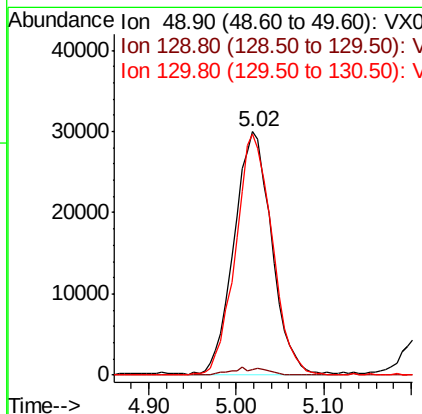
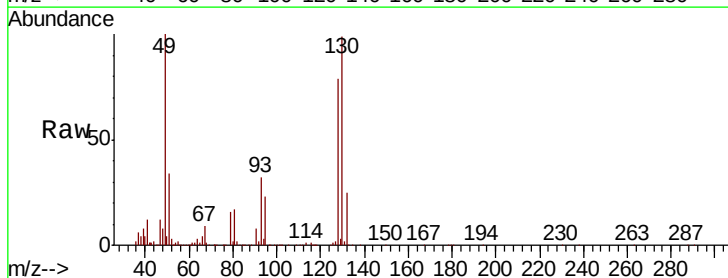
MMDadoda
12/26/2018 9:57:17 AM

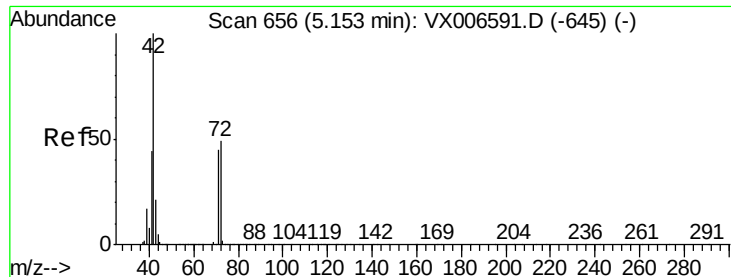


#28

Bromochloromethane
Concen: 21.751 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.4
130	96.8	77.7	116.5





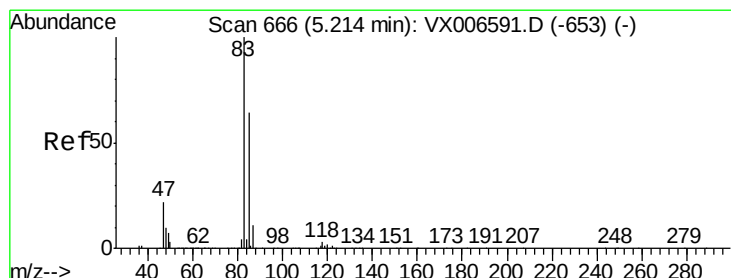
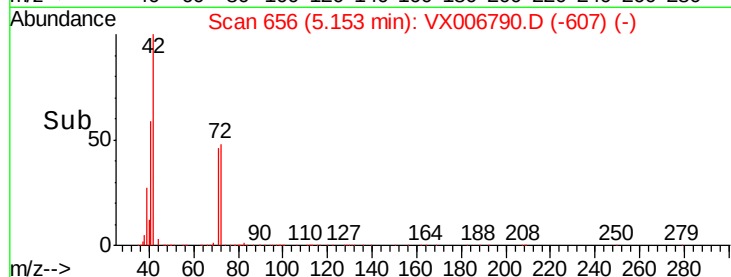
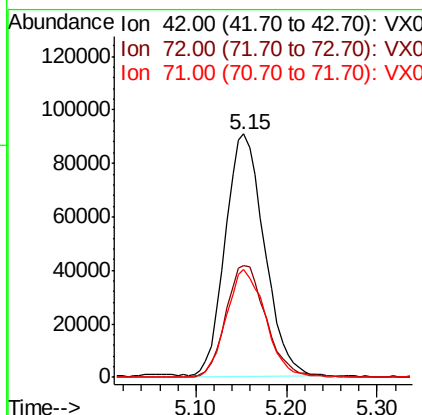
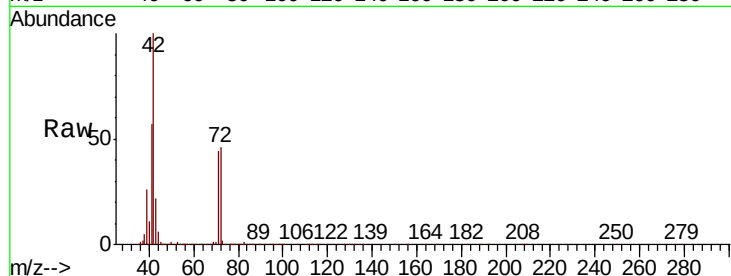
#29
Tetrahydrofuran
Concen: 105.792 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	38.9	58.3
71	44.3	36.2	54.4

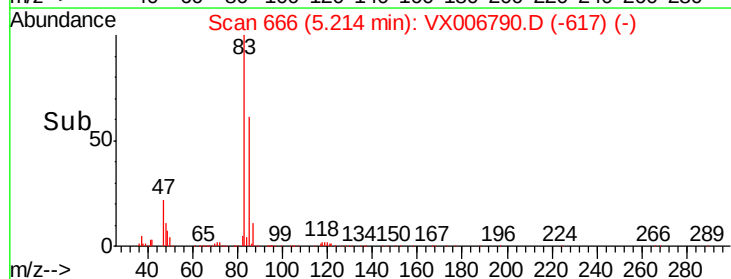
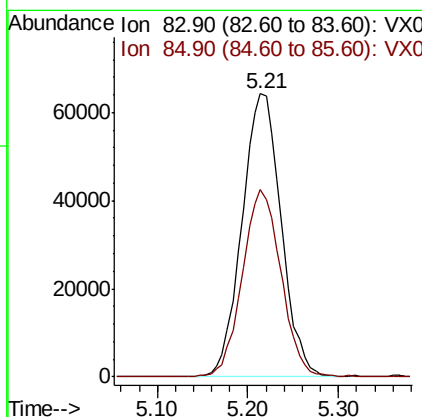
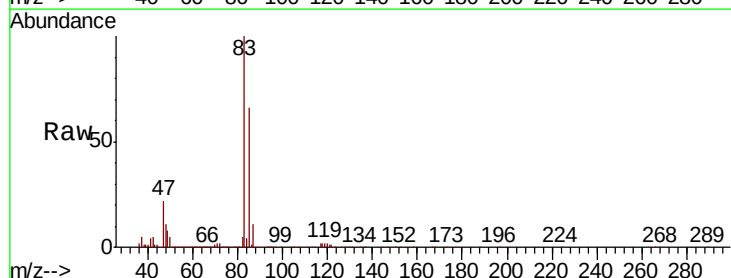
Manual Integrations
APPROVED

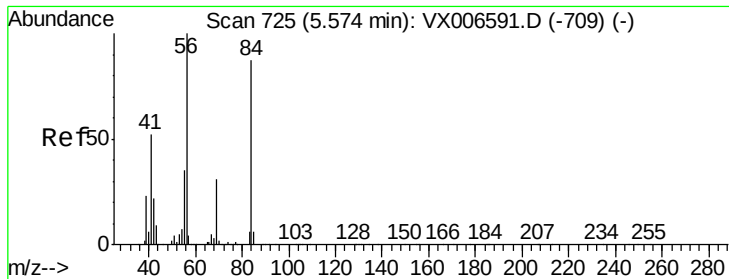
MMDadoda
12/26/2018 9:57:17 AM



#30
Chloroform
Concen: 19.966 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.2	76.8





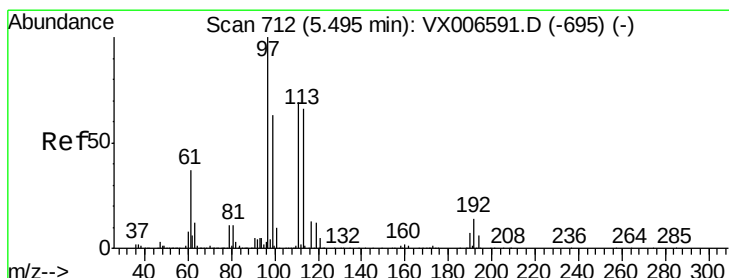
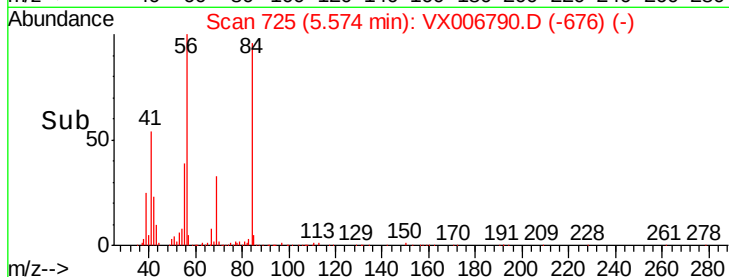
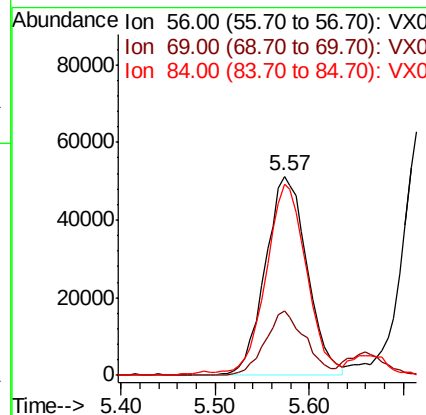
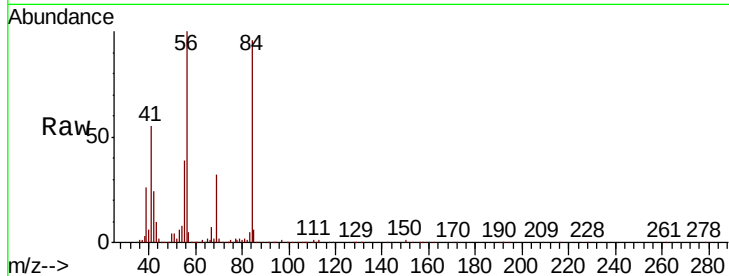
#31
Cyclohexane
Concen: 18.681 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	24.4	36.6
84	95.2	70.0	105.0

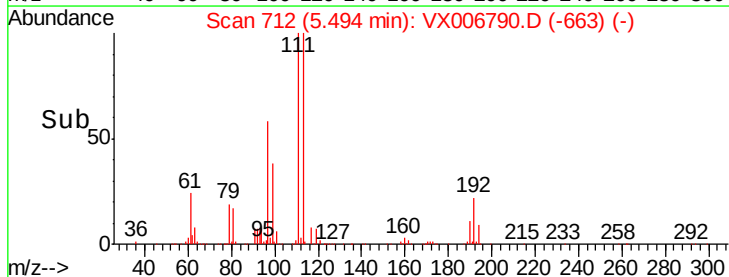
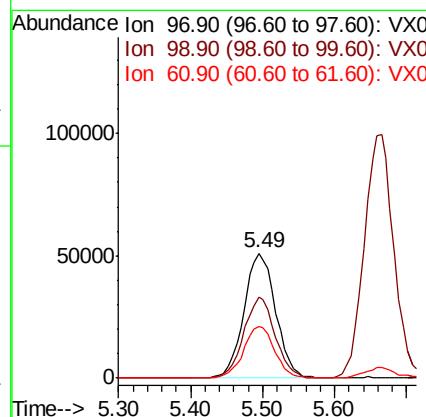
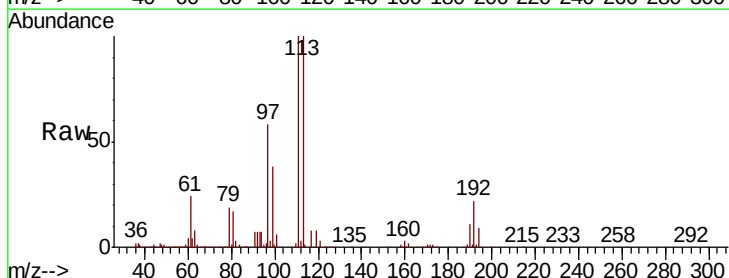
Manual Integrations
APPROVED

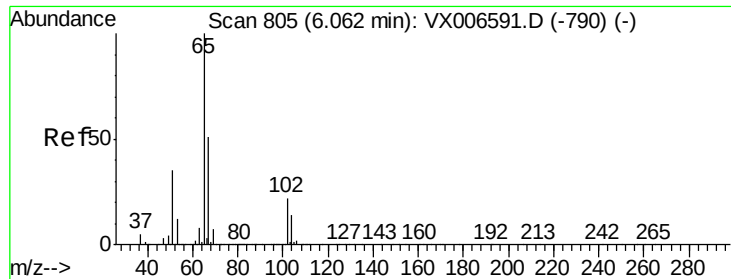
MMDadoda
12/26/2018 9:57:17 AM



#32
1,1,1-Trichloroethane
Concen: 19.217 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.7	77.5
61	40.9	31.3	46.9





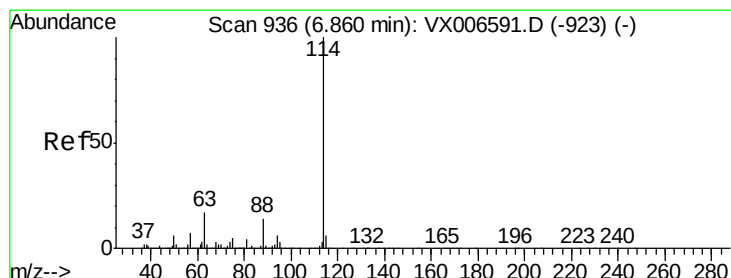
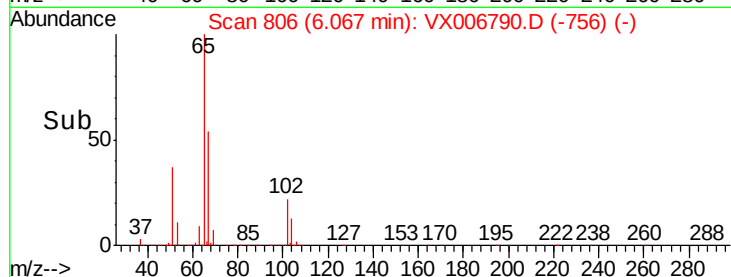
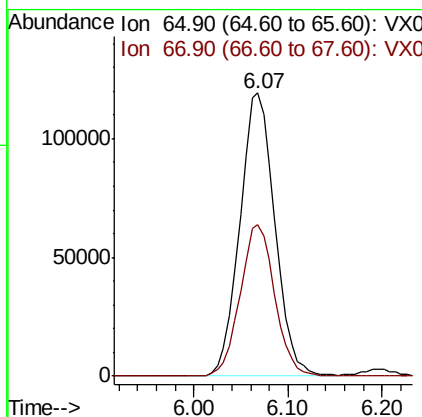
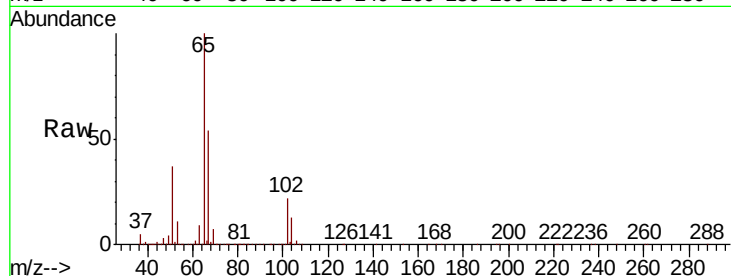
#33
 1,2-Dichloroethane-d4
 Concen: 50.866 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006790.D
 Acq: 24 Dec 2018 13:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1224MBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	105.0

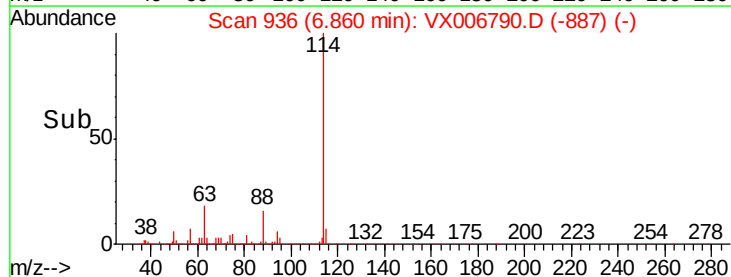
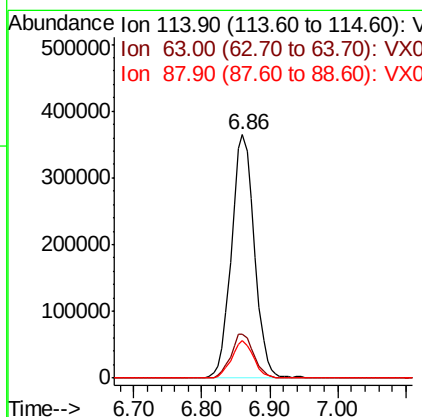
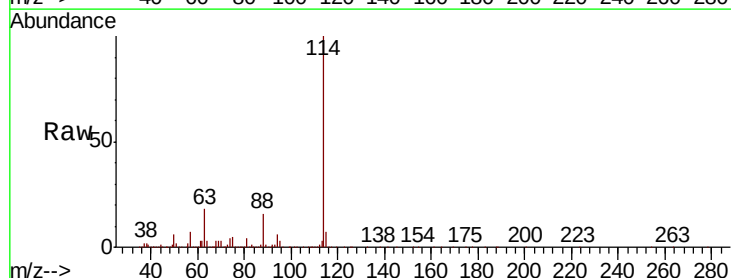
Manual Integrations
 APPROVED

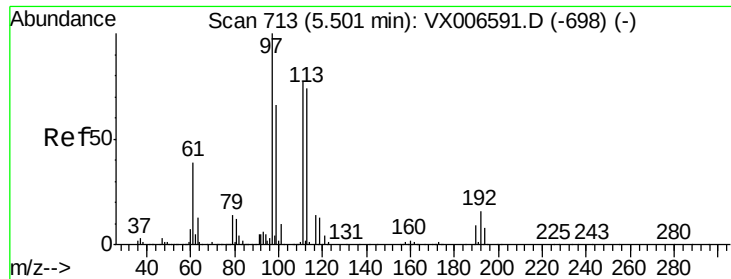
MMDadoda
 12/26/2018 9:57:17 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006790.D
 Acq: 24 Dec 2018 13:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	34.8
88	15.6	0.0	28.8





#35

Dibromofluoromethane

Concen: 50.981 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Instrument :

MSVOA_X

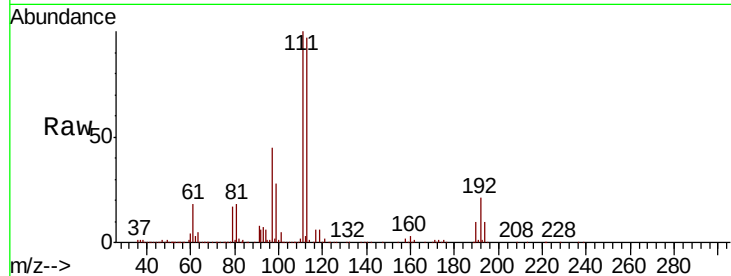
ClientSampleId :

VX1224MBS01

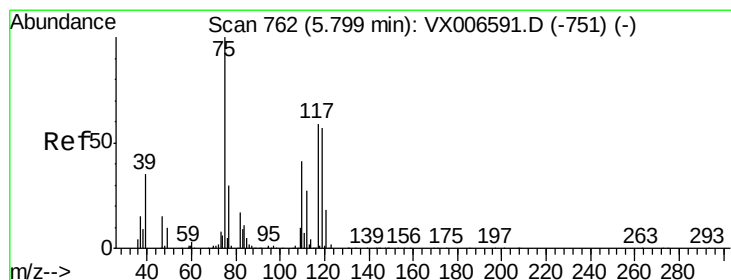
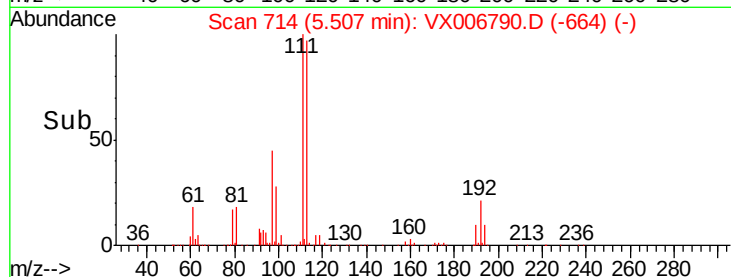
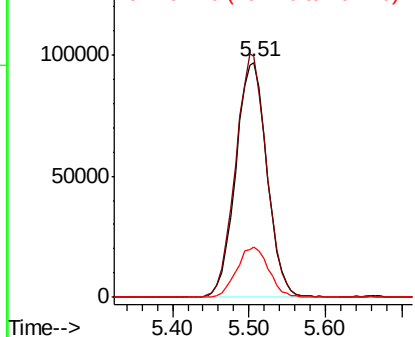
Tot Ion:	113	Resp:	274953
Ion Ratio	Lower	Upper	
113	100		
111	102.6	81.6	122.4
192	21.7	16.7	25.1

Manual Integrations
APPROVED

MMDadoda
12/26/2018 9:57:17 AM



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: 19.609 ug/l

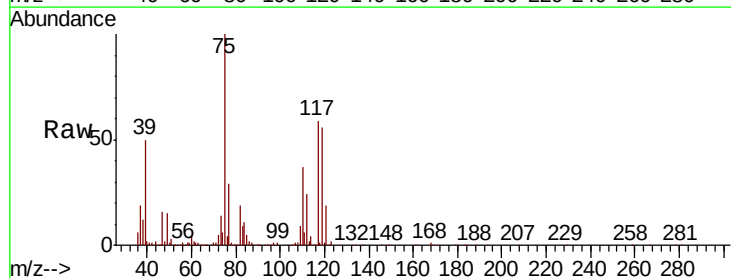
RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

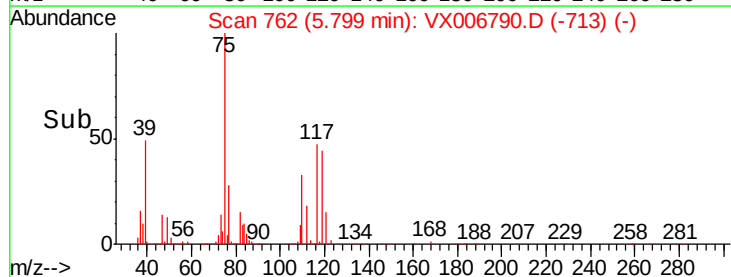
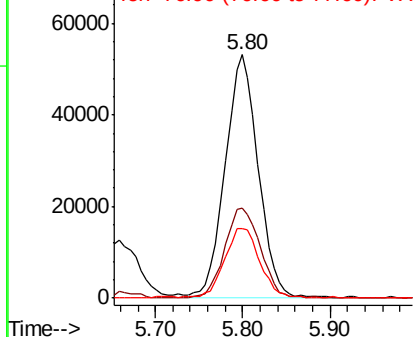
Lab File: VX006790.D

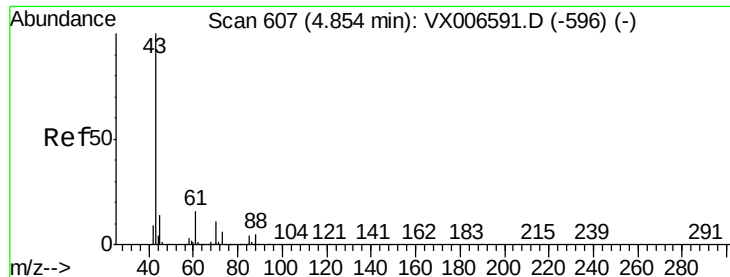
Acq: 24 Dec 2018 13:05

Tgt Ion:	75	Resp:	138509
Ion Ratio	Lower	Upper	
75	100		
110	39.7	20.2	60.5
77	30.6	24.8	37.2



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





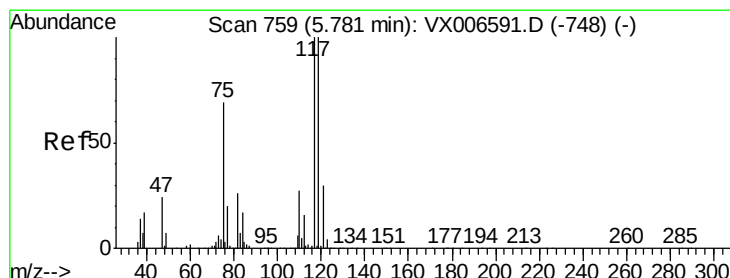
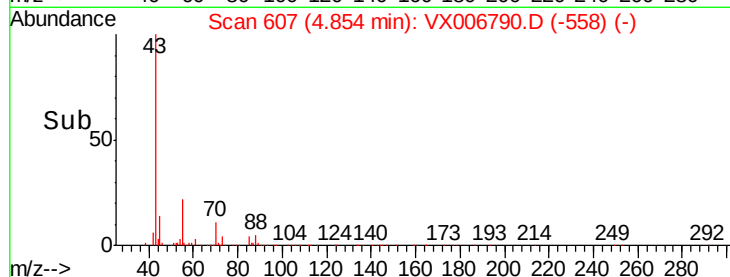
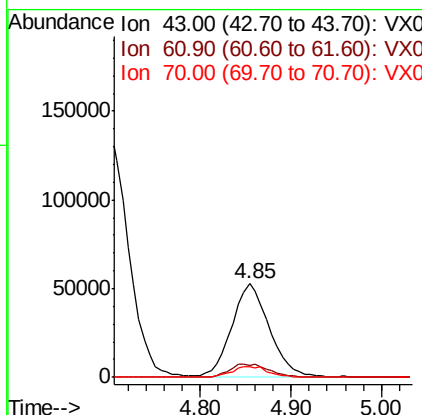
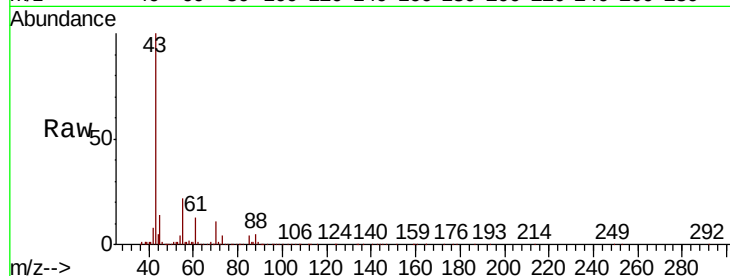
#37
Ethyl Acetate
Concen: 20.405 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBS01

Tot Ion	43	Resp	150013
Ion Ratio	Lower	Upper	
43	100		
61	14.6	11.9	17.9
70	11.8	9.7	14.5

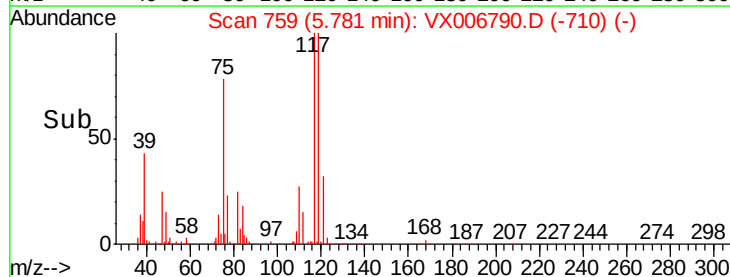
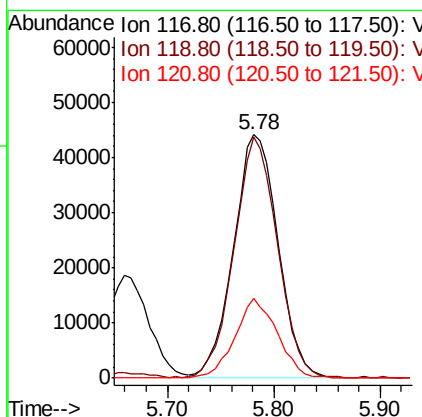
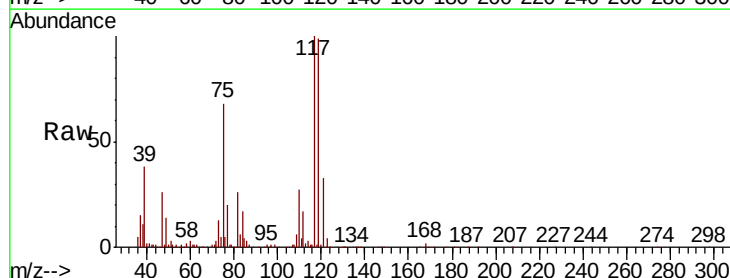
Manual Integrations
APPROVED

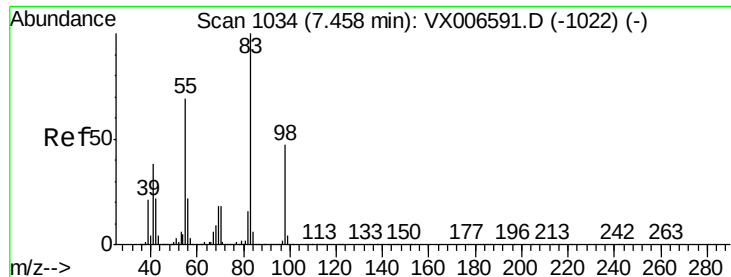
MMDadoda
12/26/2018 9:57:17 AM



#38
Carbon Tetrachloride
Concen: 18.755 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Tgt Ion	117	Resp	128749
Ion Ratio	Lower	Upper	
117	100		
119	98.8	79.4	119.2
121	32.8	24.0	36.0





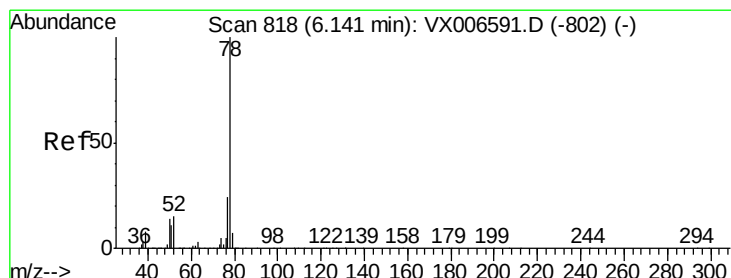
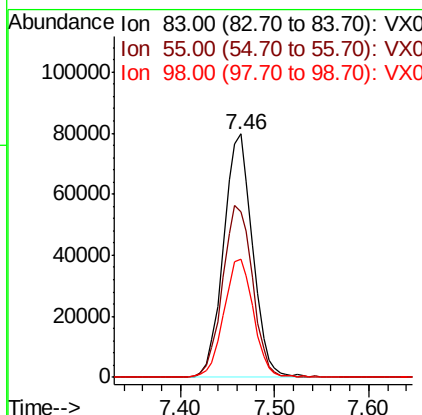
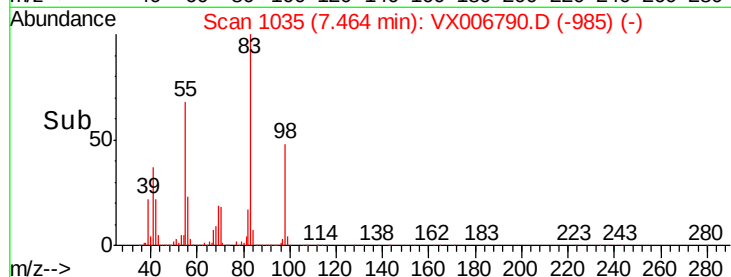
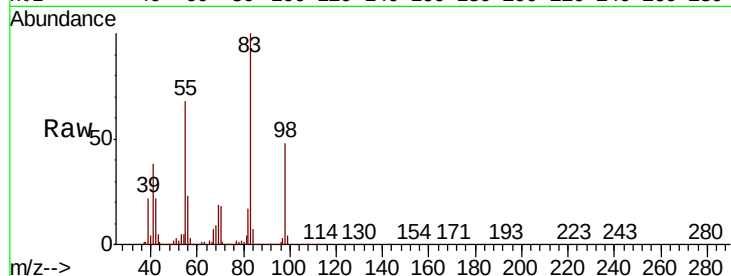
#39
Methylvlcyclohexane
Concen: 18.366 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.1	54.9	82.3
98	48.3	37.9	56.9

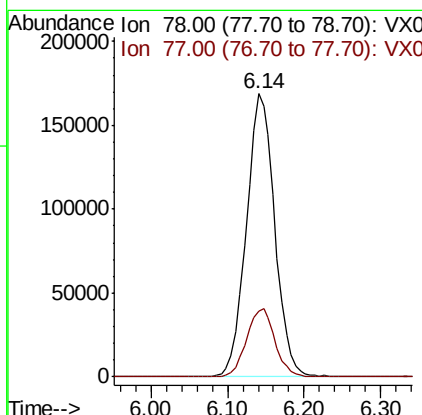
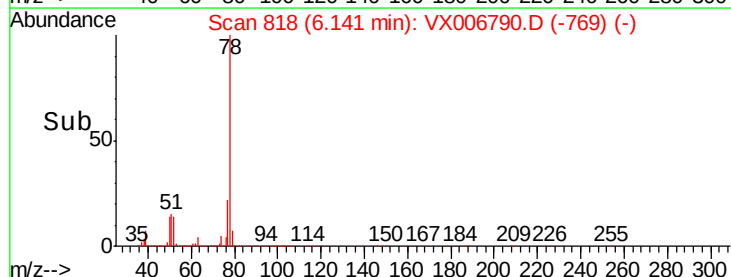
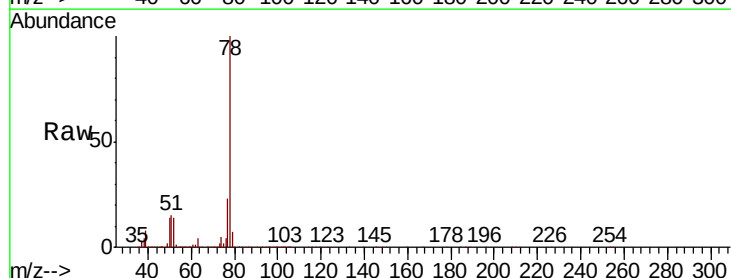
Manual Integrations
APPROVED

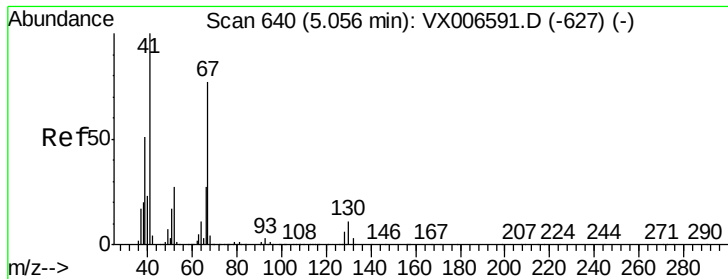
MMDadoda
12/26/2018 9:57:17 AM



#40
Benzene
Concen: 20.280 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.2	28.8





#41

Methacrylonitrile

Concen: 22.839 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Instrument :

MSVOA_X

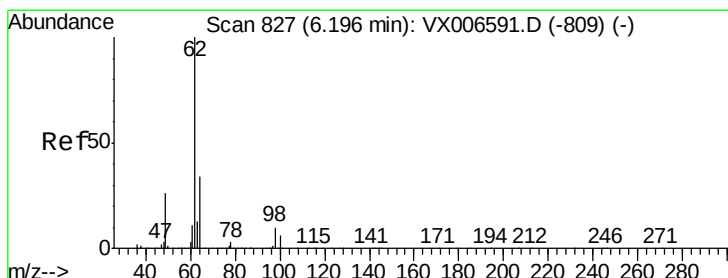
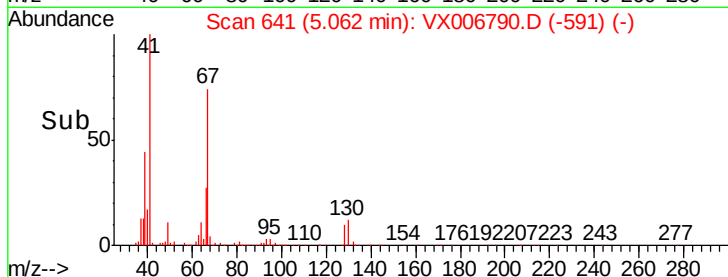
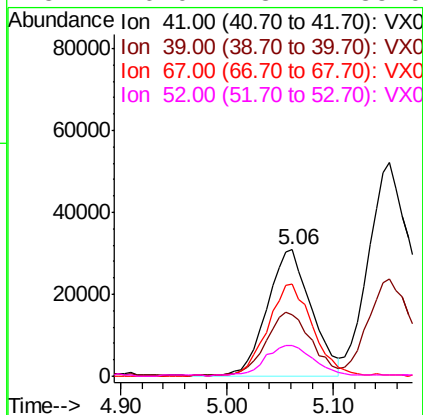
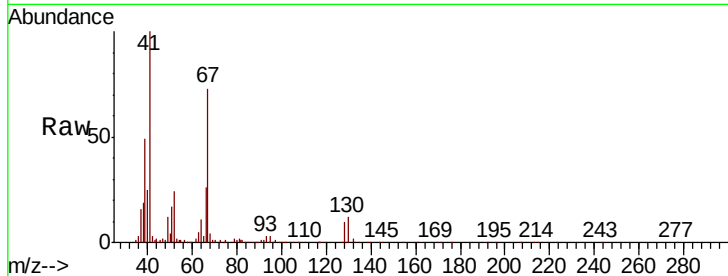
ClientSampleId :

VX1224MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		89145		
39	50.6	42.8	64.2		
67	74.7	62.1	93.1		
52	26.0	23.4	35.0		

Manual Integrations
APPROVED

MMDadoda
12/26/2018 9:57:17 AM



#42

1,2-Dichloroethane

Concen: 20.051 ug/l

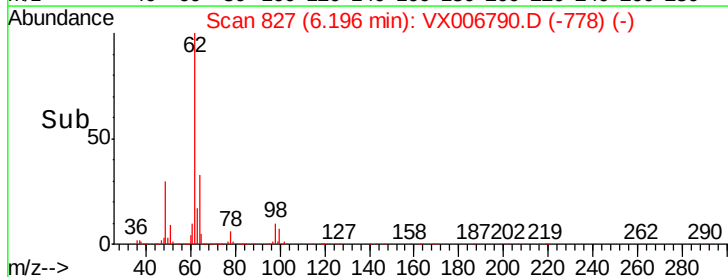
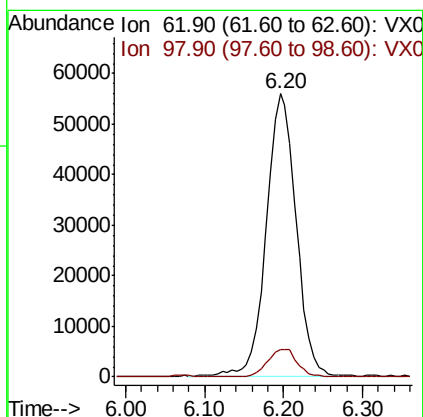
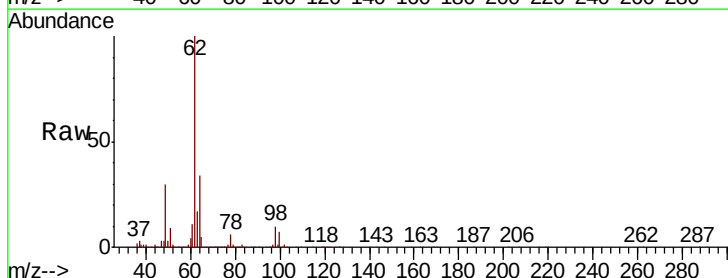
RT: 6.20 min Scan# 827

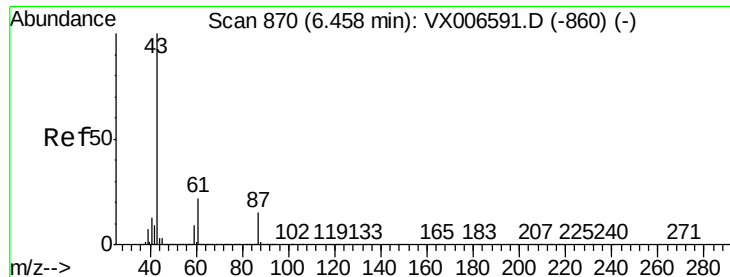
Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		146698		
98	10.0	0.0	20.2		





#43

Isopropyl Acetate

Concen: 20.532 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Instrument :

MSVOA_X

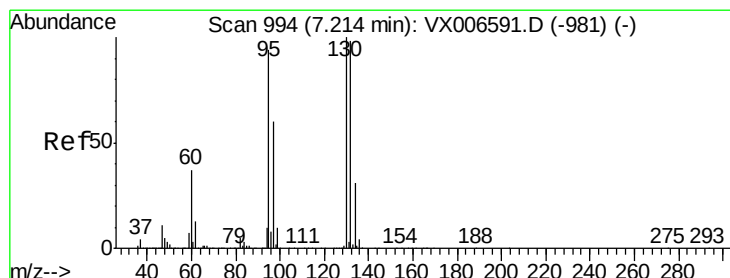
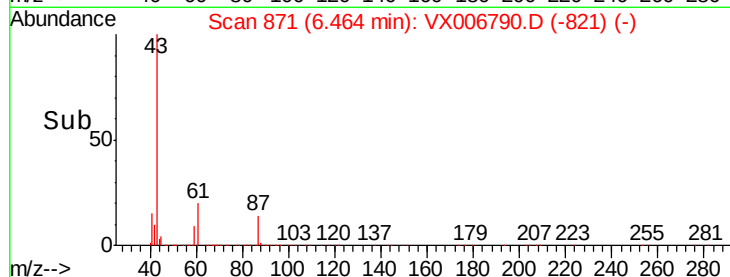
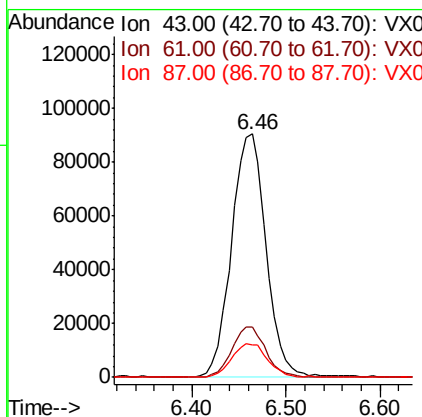
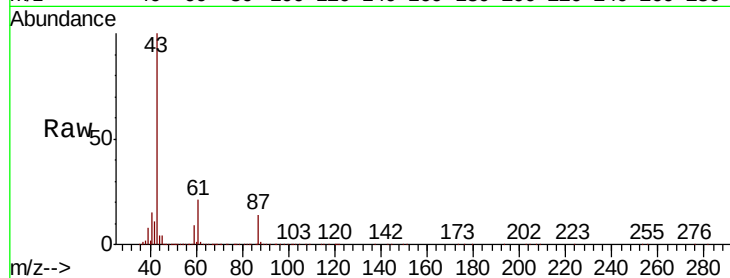
ClientSampleId :

VX1224MBS01

Tot Ion:	43	Resp:	229680
Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.8	25.2
87	14.5	12.4	18.6

Manual Integrations
APPROVED

MMDadoda
12/26/2018 9:57:17 AM



#44

Trichloroethene

Concen: 18.980 ug/l

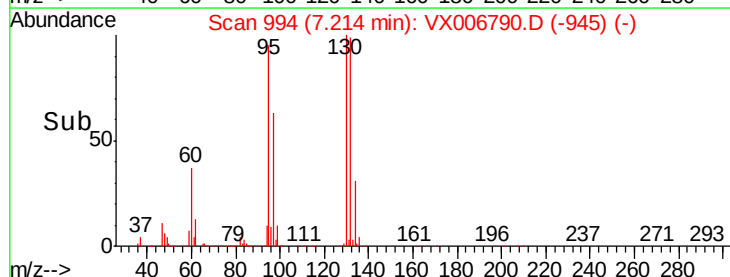
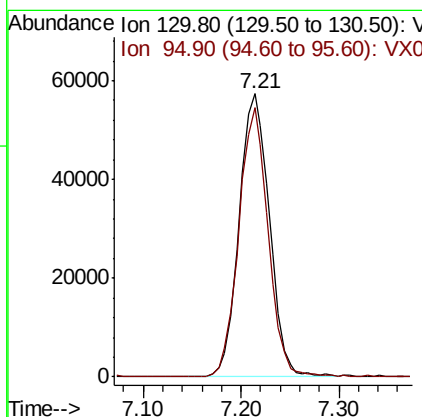
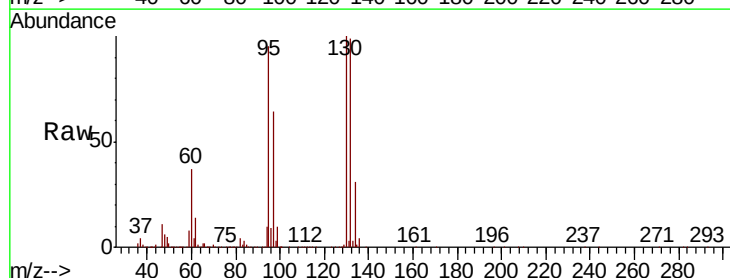
RT: 7.21 min Scan# 994

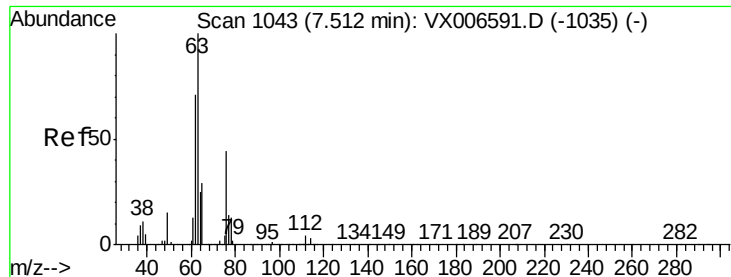
Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Tgt Ion:	130	Resp:	123345
Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	187.0





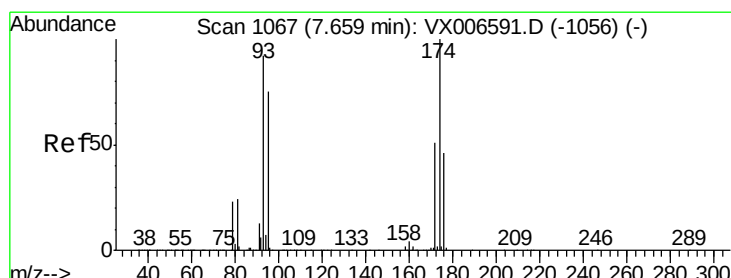
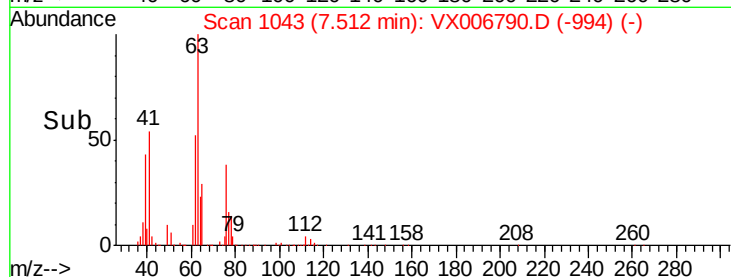
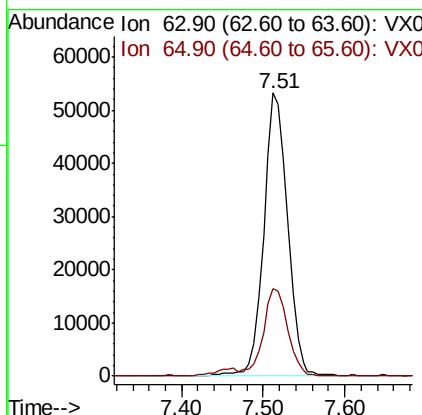
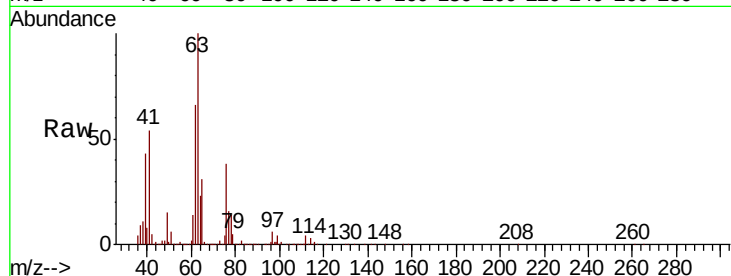
#45
 1,2-Dichloropropane
 Concen: 20.662 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX006790.D
 Acq: 24 Dec 2018 13:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1224MBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.4	38.0

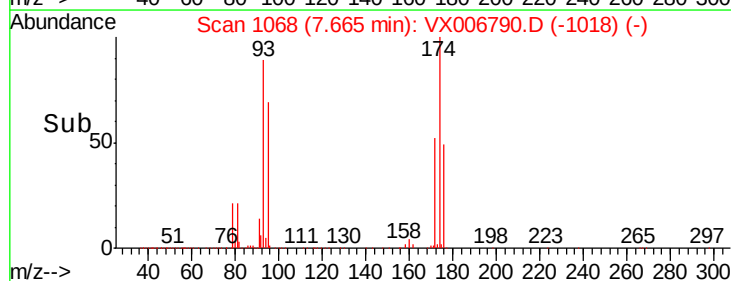
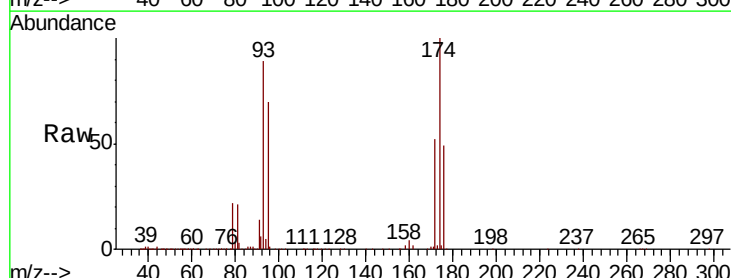
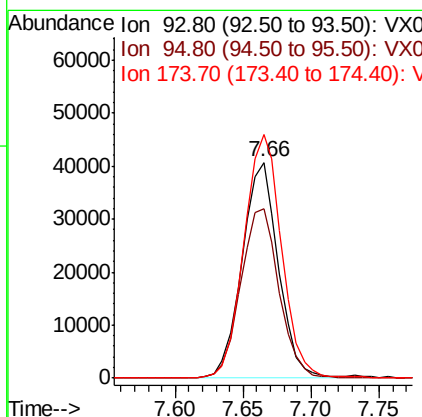
Manual Integrations
 APPROVED

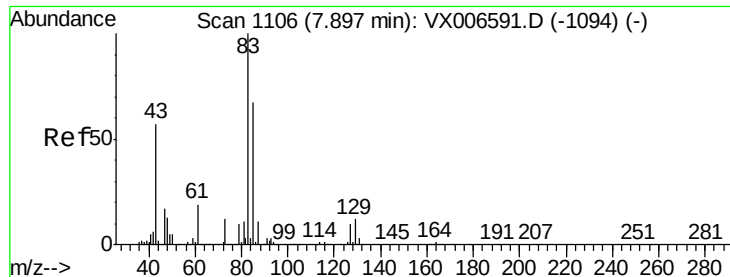
MMDadoda
 12/26/2018 9:57:17 AM



#46
 Dibromomethane
 Concen: 19.634 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX006790.D
 Acq: 24 Dec 2018 13:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	66.2	99.4
174	118.2	91.0	136.4





#47

Bromodichloromethane

Concen: 18.902 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Instrument :

MSVOA_X

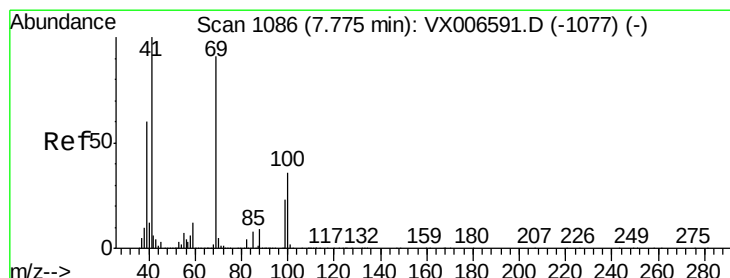
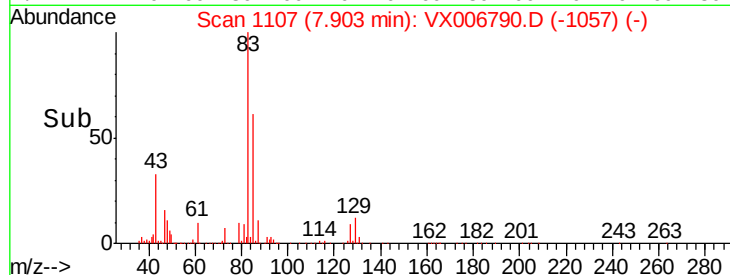
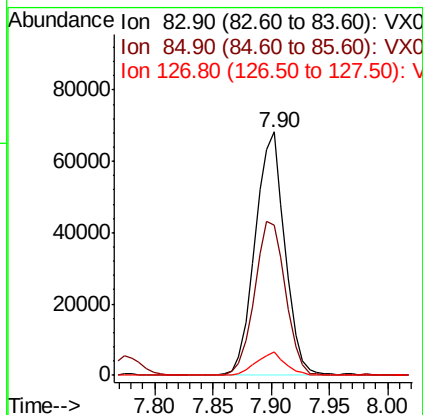
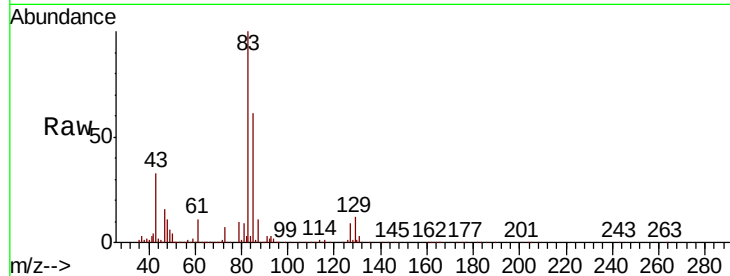
ClientSampleId :

VX1224MBS01

Tot Ion:	83	Resp:	120607
Ion Ratio	Lower	Upper	
83	100		
85	61.2	53.2	79.8
127	9.4	7.8	11.6

Manual Integrations
APPROVED

MMDadoda
12/26/2018 9:57:17 AM



#48

Methyl methacrylate

Concen: 21.422 ug/l

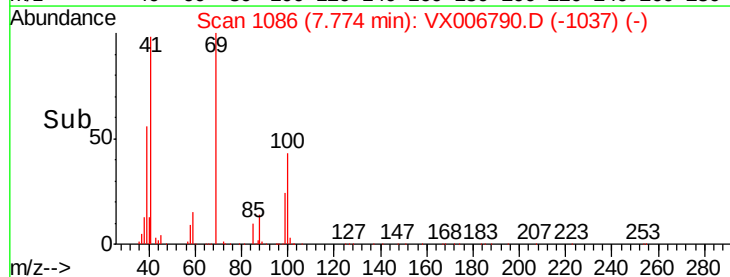
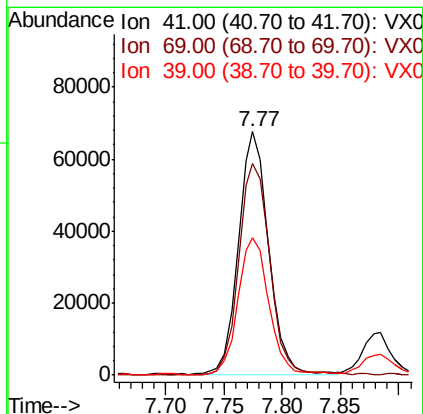
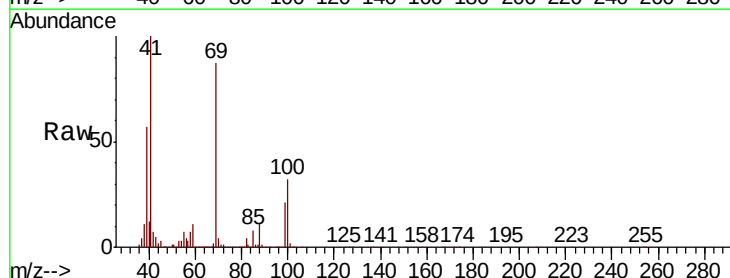
RT: 7.77 min Scan# 1086

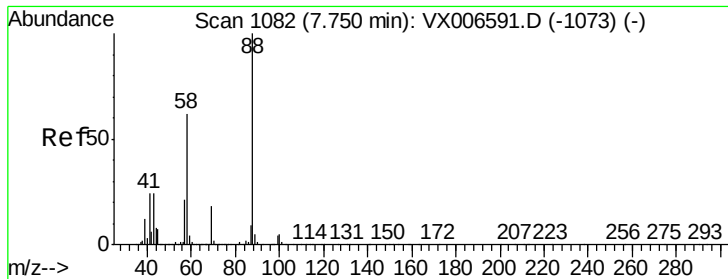
Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Tgt Ion:	41	Resp:	121858
Ion Ratio	Lower	Upper	
41	100		
69	89.2	72.4	108.6
39	56.8	45.8	68.8





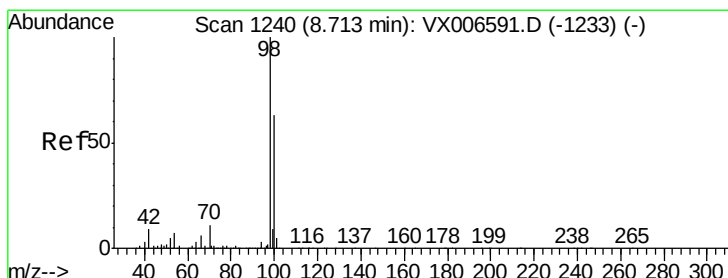
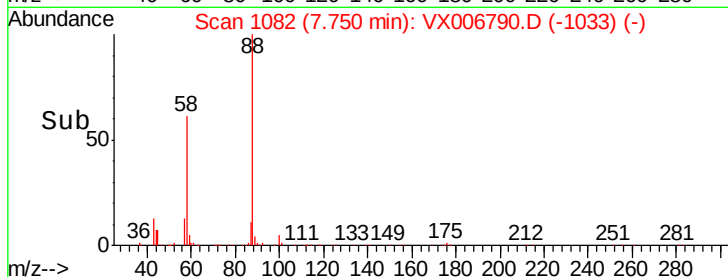
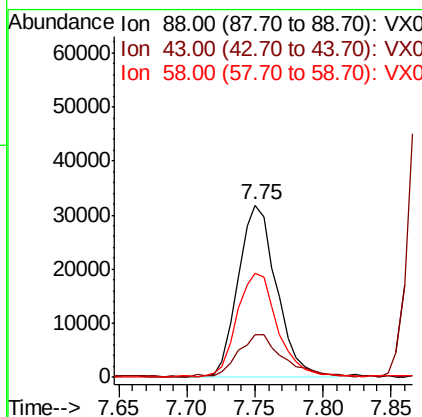
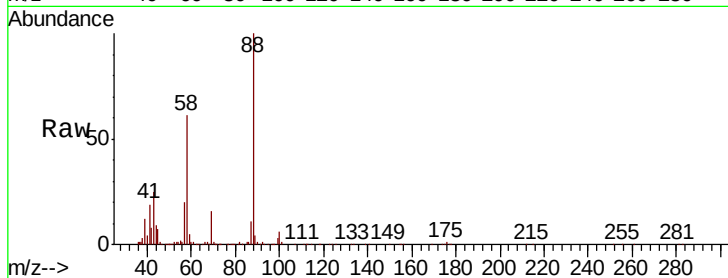
#49
1,4-Dioxane
Concen: 409.533 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.6	22.2	33.4
58	63.8	51.0	76.4

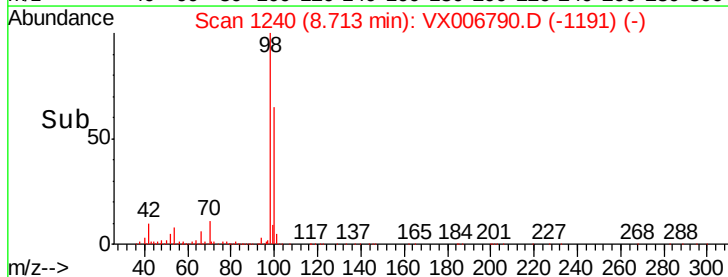
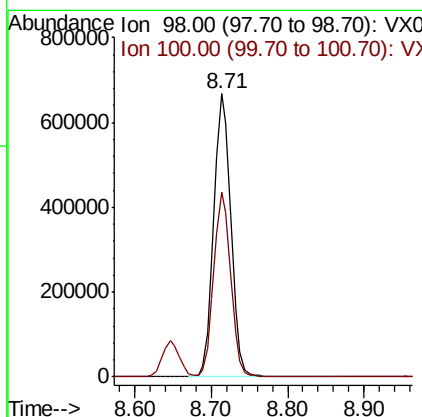
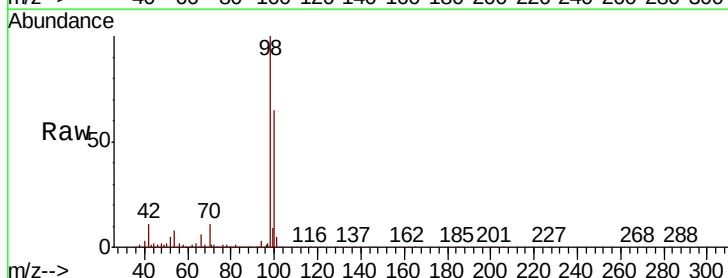
Manual Integrations
APPROVED

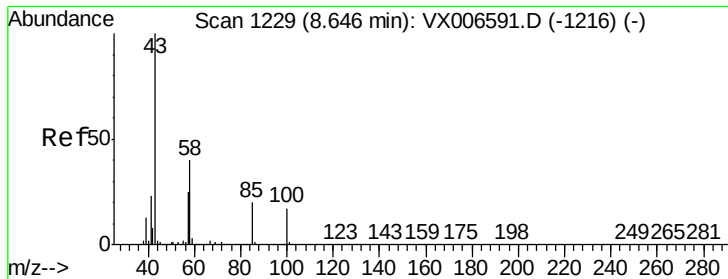
MMDadoda
12/26/2018 9:57:17 AM



#50
Toluene-d8
Concen: 51.002 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 109.771 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBS01

Tot Ion: 43 Resp: 781290

Ion Ratio Lower Upper

43 100

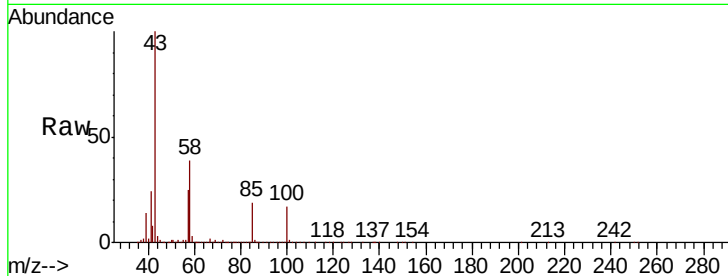
58 39.4 31.8 47.6

Manual Integrations

APPROVED

MMDadoda

12/26/2018 9:57:17 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

500000

400000

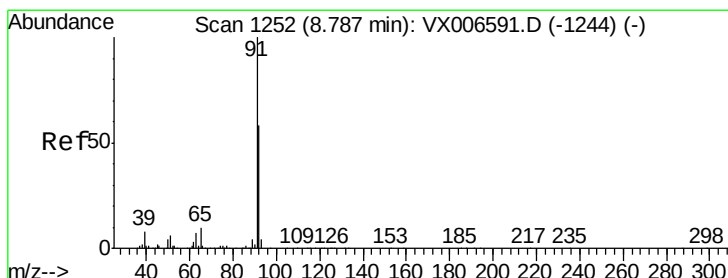
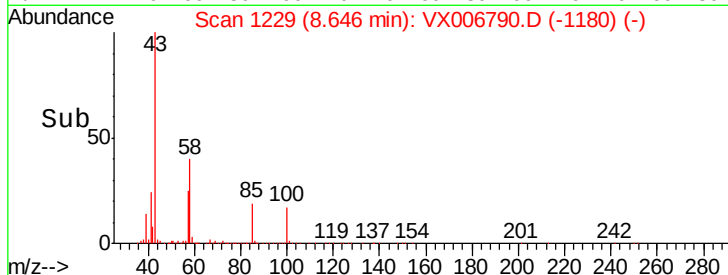
300000

200000

100000

0

Time--> 8.55 8.60 8.65 8.70



#52

Toluene

Concen: 20.197 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006790.D

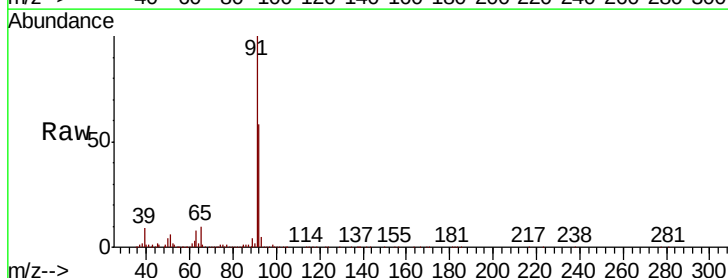
Acq: 24 Dec 2018 13:05

Tgt Ion: 92 Resp: 280154

Ion Ratio Lower Upper

92 100

91 174.8 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

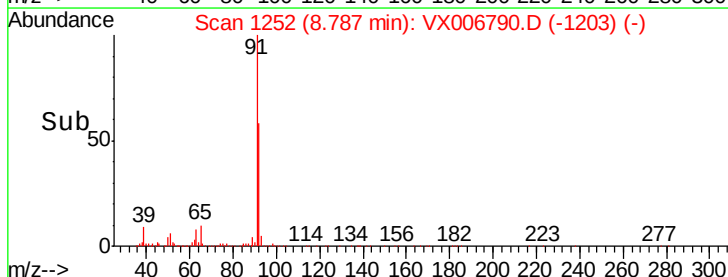
300000

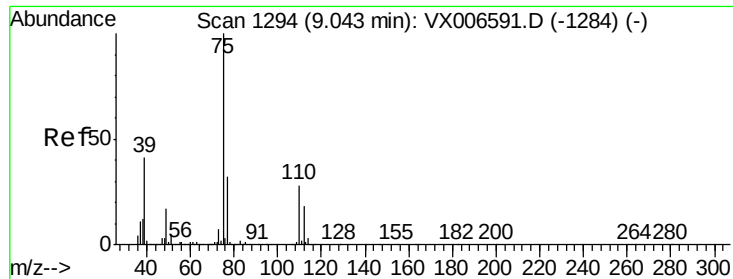
200000

100000

0

Time--> 8.70 8.75 8.80 8.85





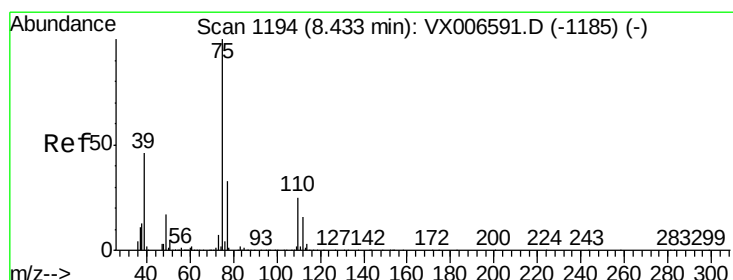
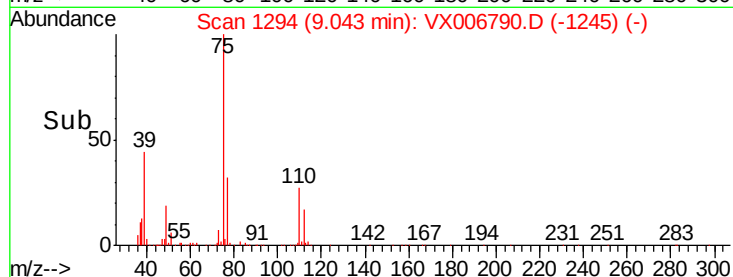
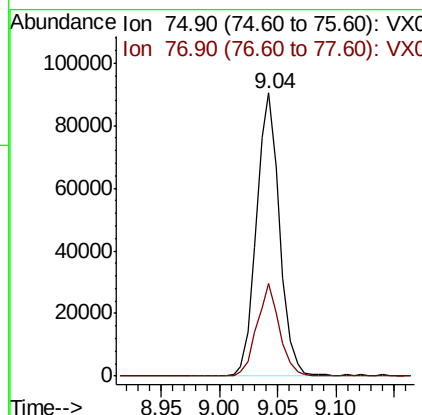
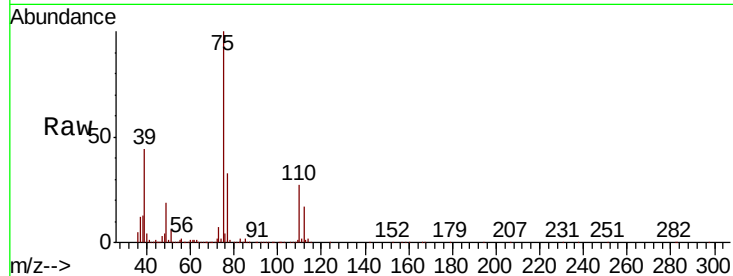
#53
t-1,3-Dichloropropene
Concen: 18.300 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.4	38.0

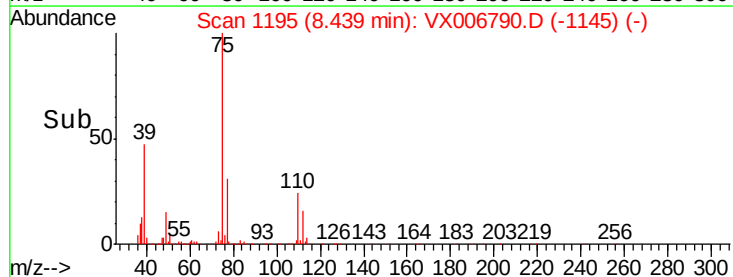
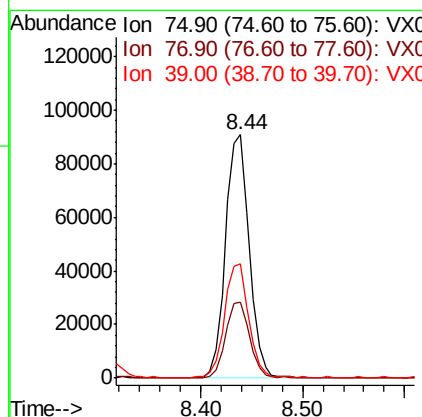
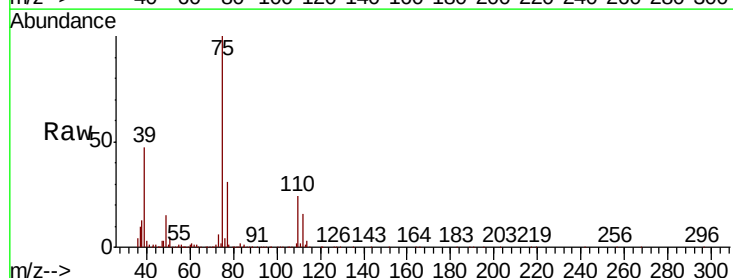
Manual Integrations
APPROVED

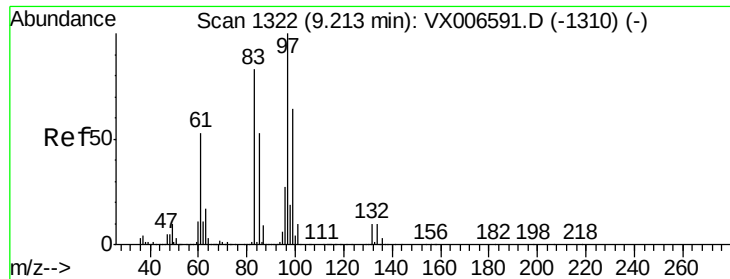
MMDadoda
12/26/2018 9:57:17 AM



#54
cis-1,3-Dichloropropene
Concen: 19.520 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.2	39.2
39	46.7	36.7	55.1





#55

1,1,2-Trichloroethane

Concen: 20.546 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Instrument :

MSVOA_X

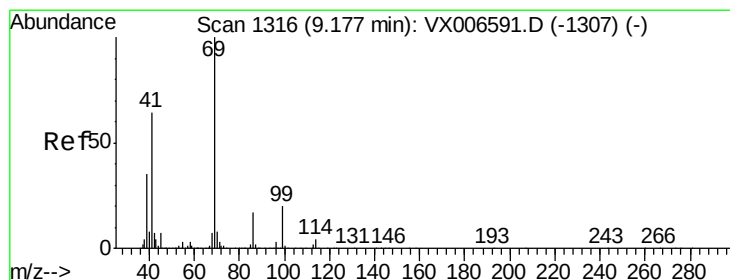
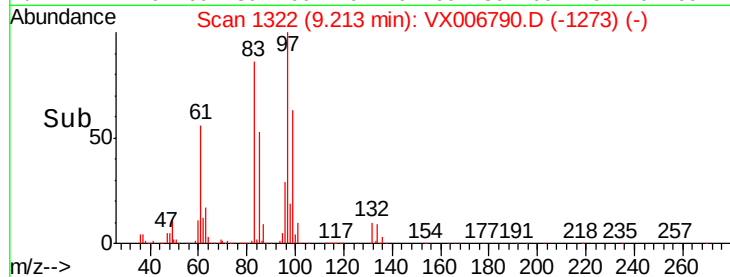
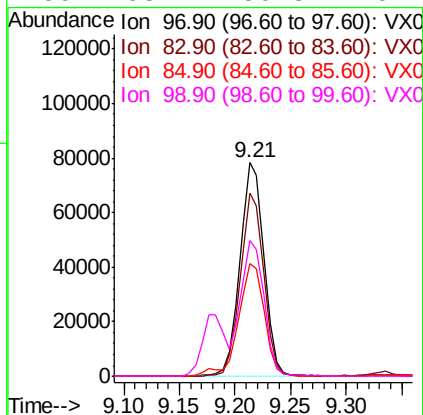
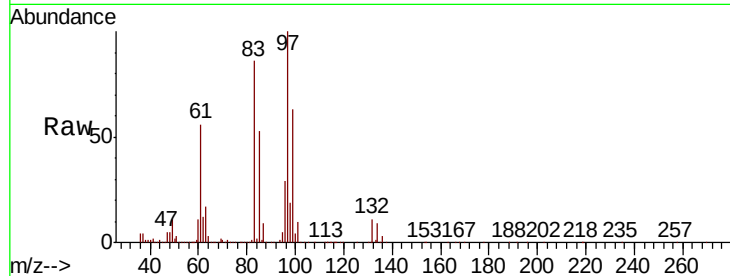
ClientSampleId :

VX1224MBS01

Tot Ion:	97	Resp:	116654
Ion Ratio	Lower	Upper	
97	100		
83	85.7	66.6	99.8
85	52.8	42.7	64.1
99	63.2	50.8	76.2

Manual Integrations
APPROVED

MMDadoda
12/26/2018 9:57:17 AM



#56

Ethyl methacrylate

Concen: 20.928 ug/l

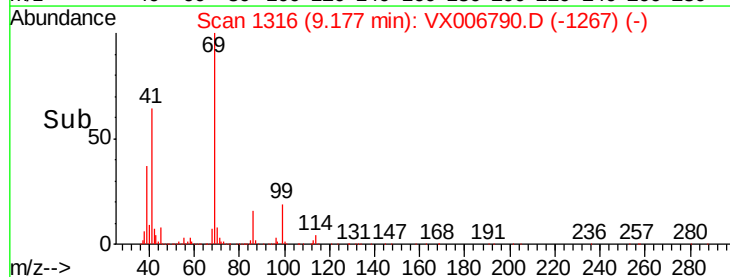
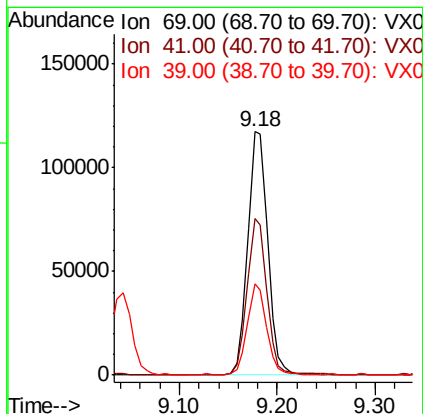
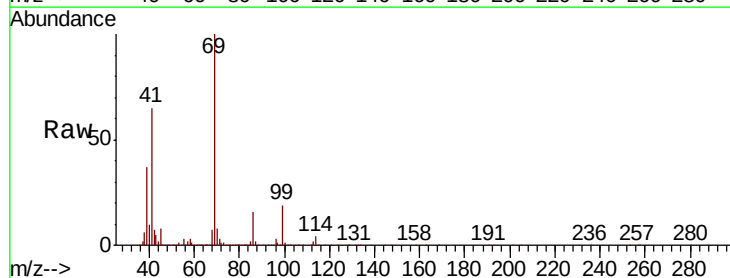
RT: 9.18 min Scan# 1316

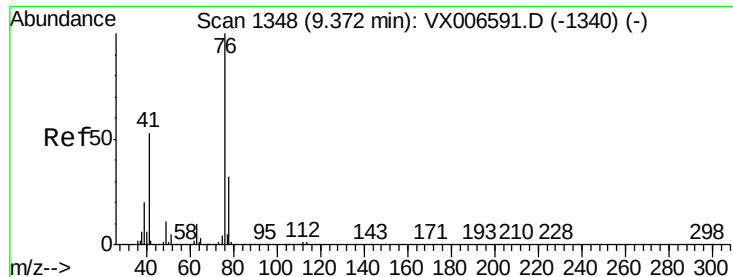
Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Tgt Ion:	69	Resp:	167939
Ion Ratio	Lower	Upper	
69	100		
41	62.7	48.7	73.1
39	35.5	27.0	40.6





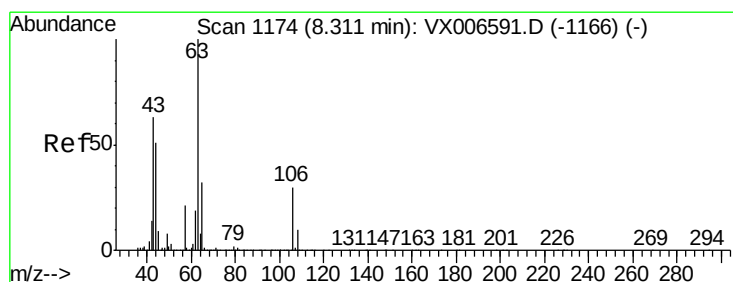
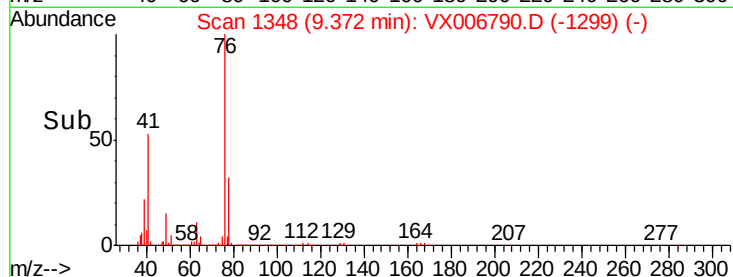
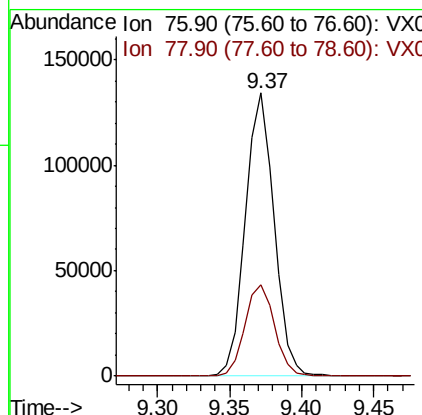
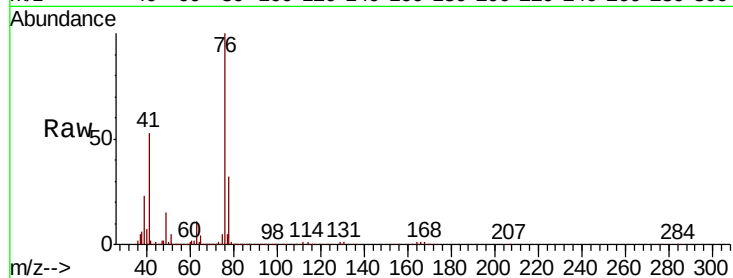
#57
 1,3-Dichloropropane
 Concen: 20.269 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX006790.D
 Acq: 24 Dec 2018 13:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1224MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.4	26.0	39.0

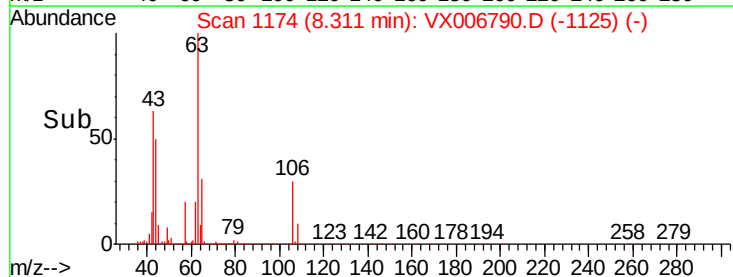
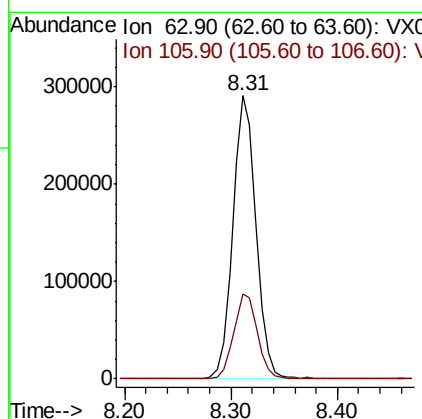
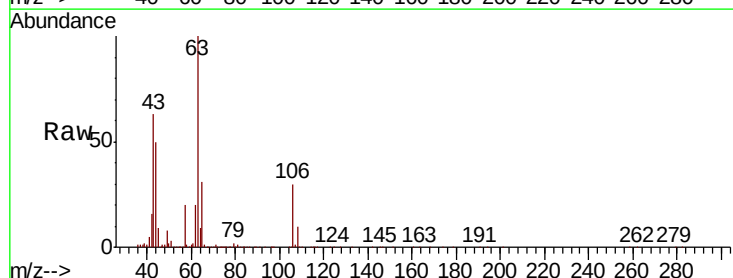
Manual Integrations
 APPROVED

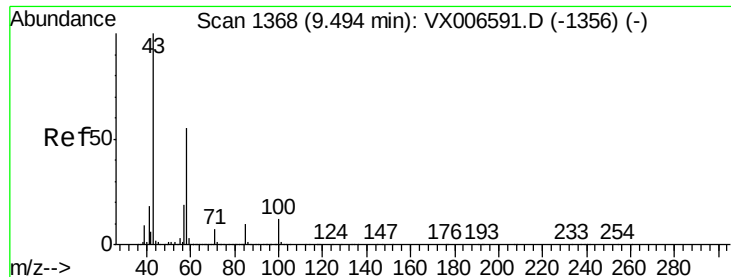
MMDadoda
 12/26/2018 9:57:17 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.581 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX006790.D
 Acq: 24 Dec 2018 13:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.8	24.6	36.8





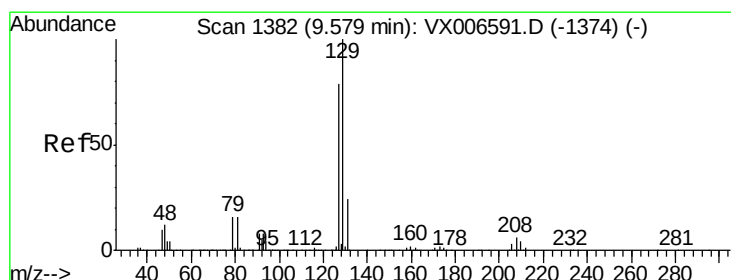
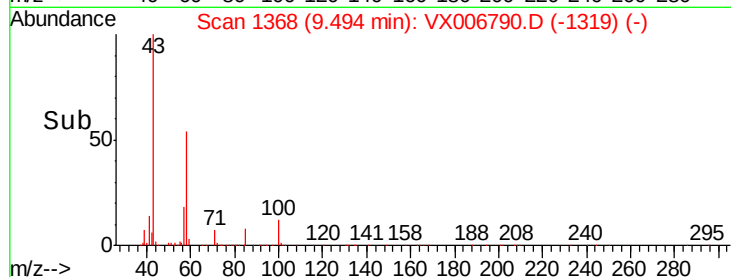
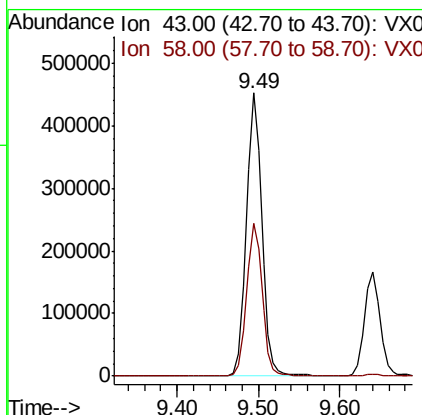
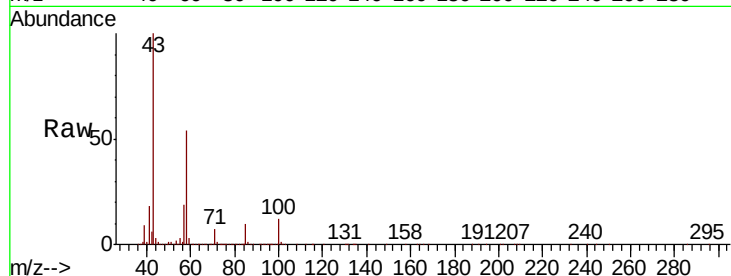
#59
2-Hexanone
Concen: 109.145 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBS01

Tot Ion: 43 Resp: 594373
Ion Ratio Lower Upper
43 100
58 54.3 27.7 83.1

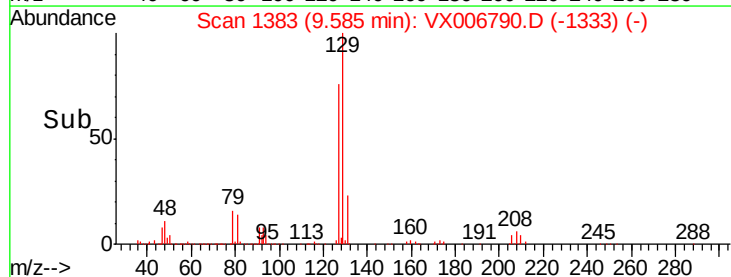
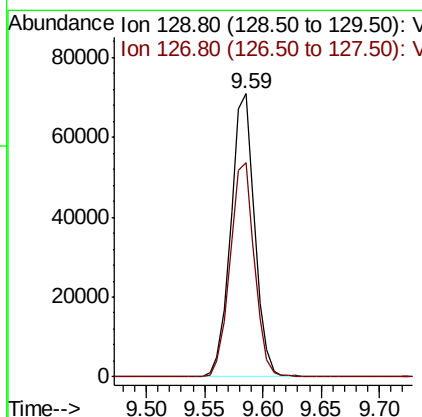
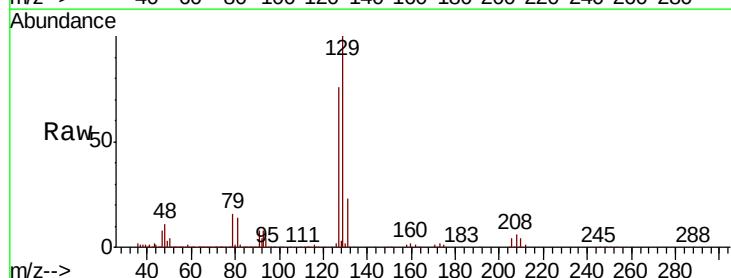
Manual Integrations
APPROVED

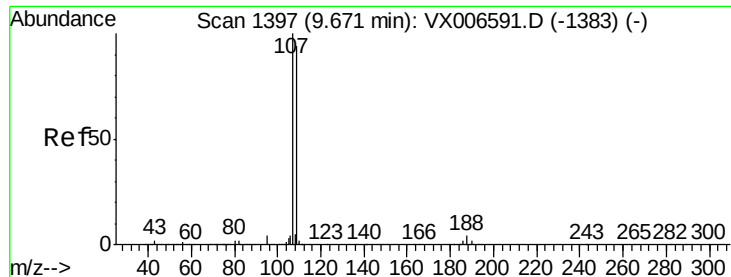
MMDadoda
12/26/2018 9:57:17 AM



#60
Dibromochloromethane
Concen: 18.588 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Tgt Ion: 129 Resp: 101287
Ion Ratio Lower Upper
129 100
127 77.0 39.3 117.8





#61

1,2-Dibromoethane

Concen: 20.516 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBS01

Tot Ion: 107 Resp: 123823

Ion Ratio Lower Upper

107 100

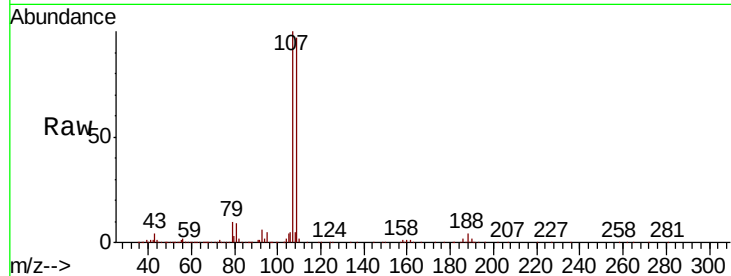
109 95.1 75.8 113.6

Manual Integrations

APPROVED

MMDadoda

12/26/2018 9:57:17 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

100000

80000

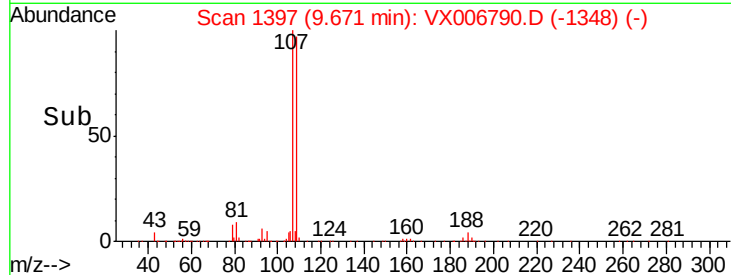
60000

40000

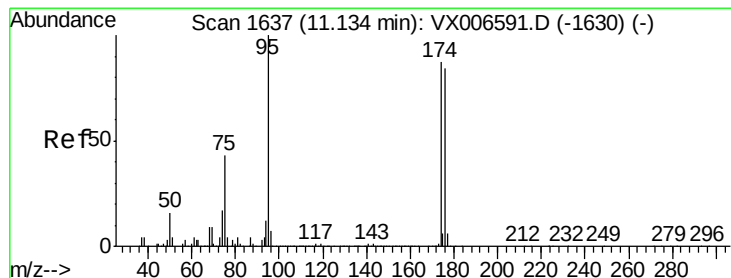
20000

0

Time-->



Time-->



#62

4-Bromofluorobenzene

Concen: 50.836 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

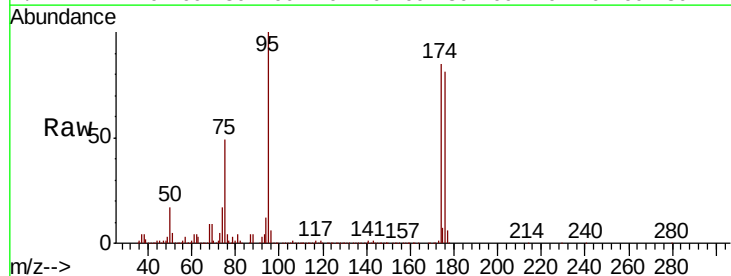
Tgt Ion: 95 Resp: 378560

Ion Ratio Lower Upper

95 100

174 90.9 0.0 182.2

176 88.3 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

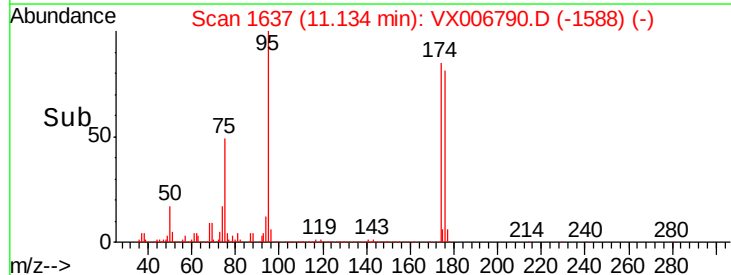
300000

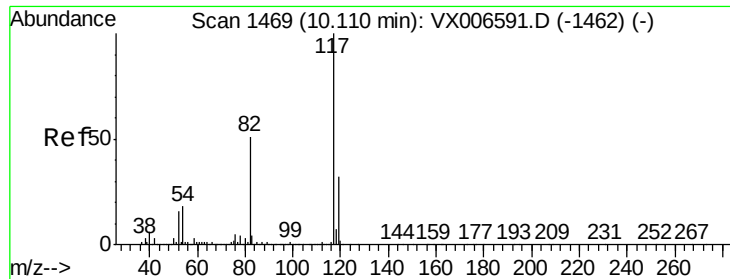
200000

100000

0

Time-->





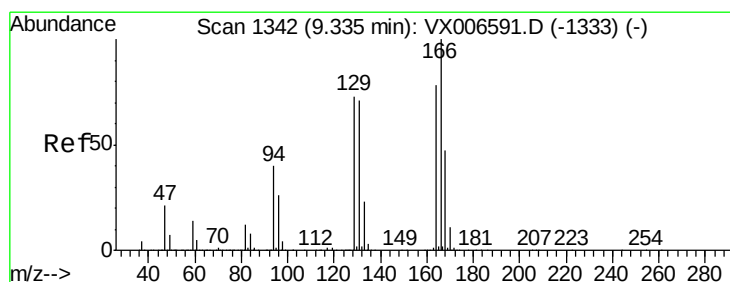
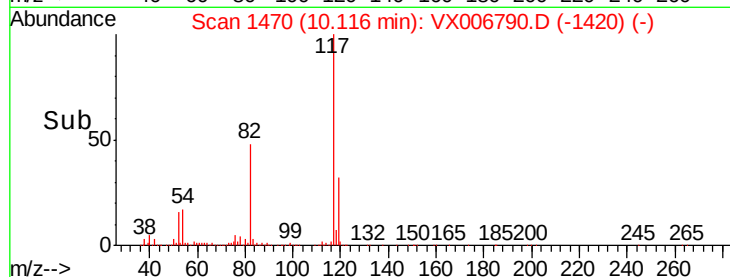
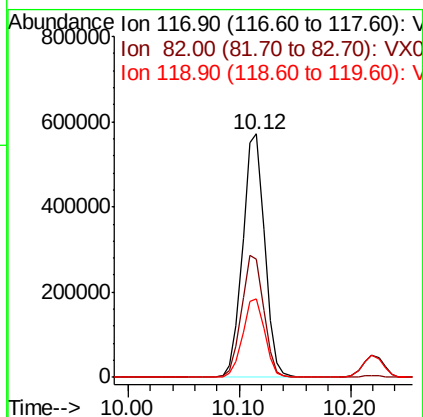
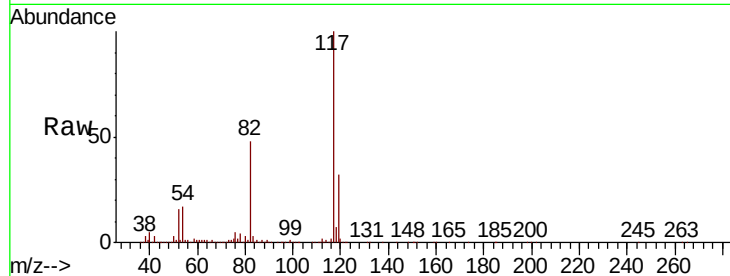
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBS01

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	48.4	41.0	61.6
119	32.3	25.4	38.0

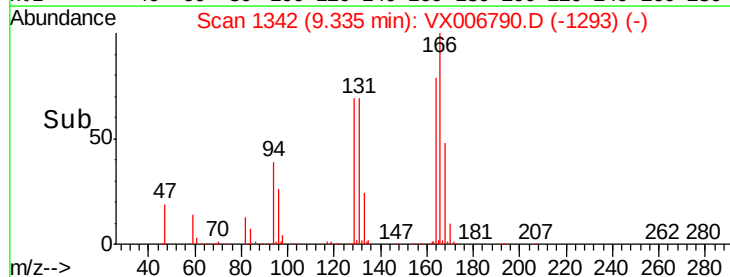
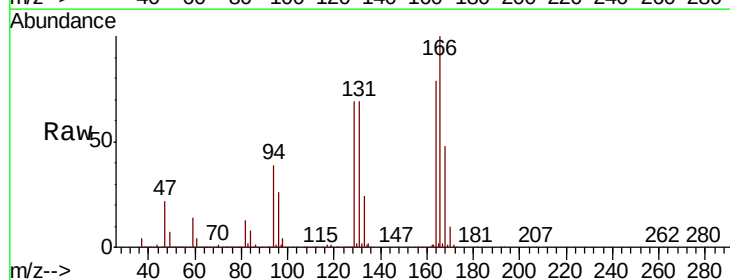
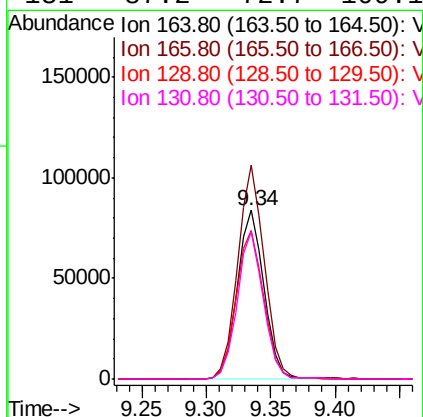
Manual Integrations
APPROVED

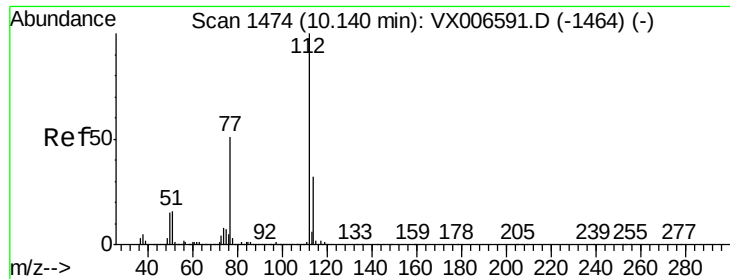
MMDadoda
12/26/2018 9:57:17 AM



#64
Tetrachloroethene
Concen: 19.443 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	126.9	102.5	153.7
129	88.1	75.1	112.7
131	87.2	72.7	109.1





#65

Chlorobenzene

Concen: 19.836 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBS01

Tot Ion:112 Resp: 328398

Ion Ratio Lower Upper

112 100

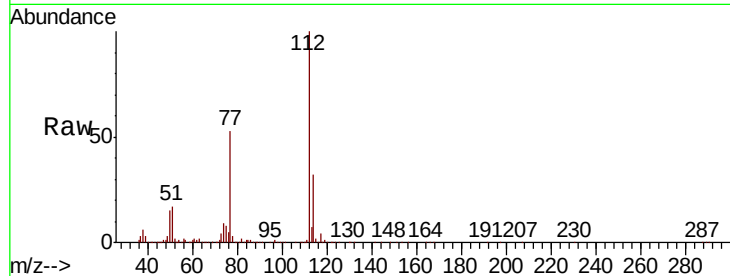
114 31.5 25.7 38.5

Manual Integrations

APPROVED

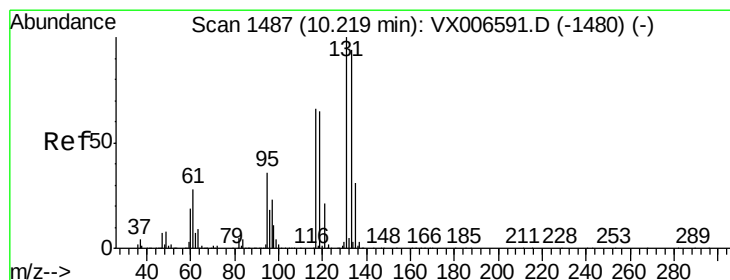
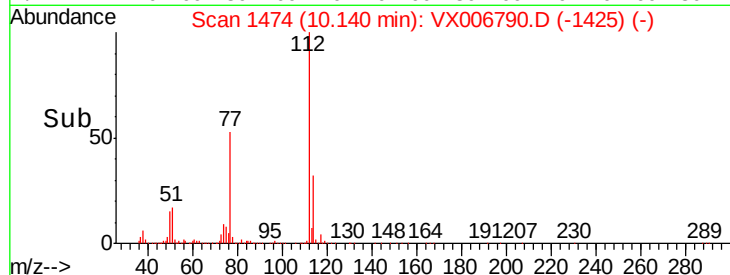
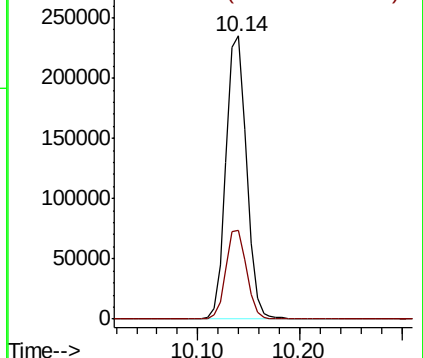
MMDadoda

12/26/2018 9:57:17 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.022 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

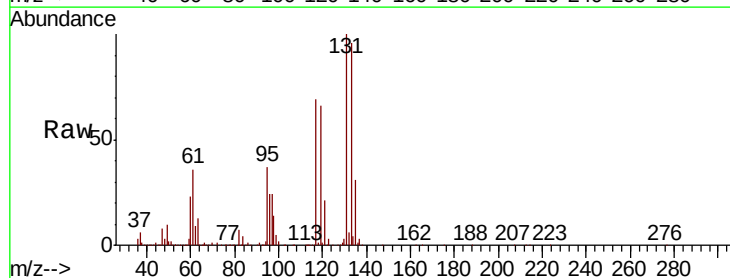
Tgt Ion:131 Resp: 103420

Ion Ratio Lower Upper

131 100

133 97.1 48.0 144.2

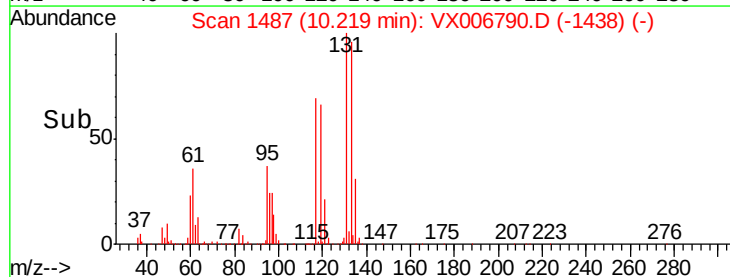
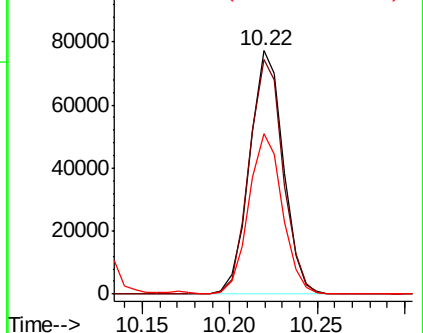
119 65.6 32.6 97.8

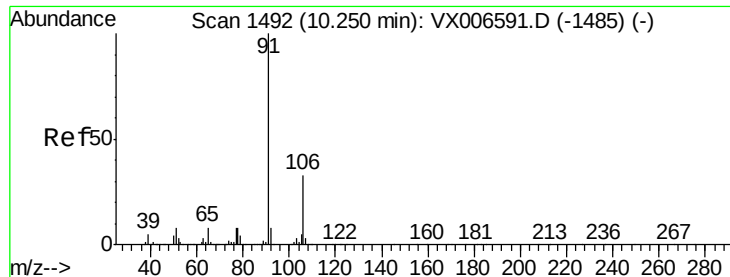


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.785 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBS01

Tot Ion: 91 Resp: 535242

Ion Ratio Lower Upper

91 100

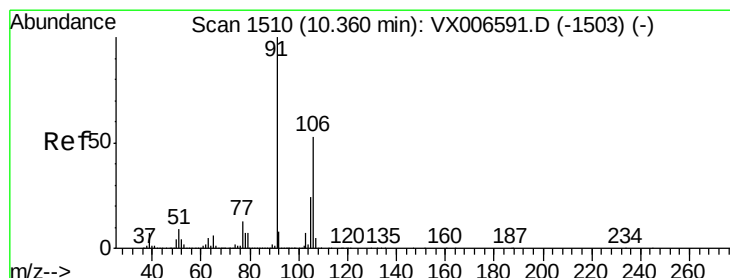
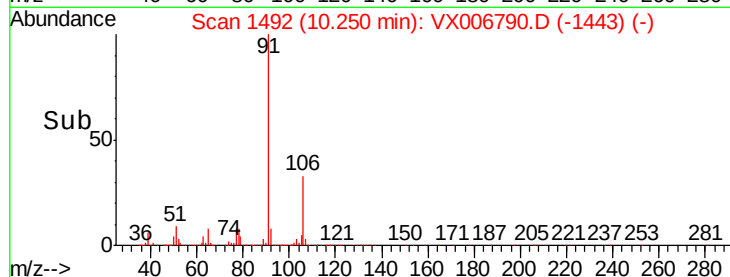
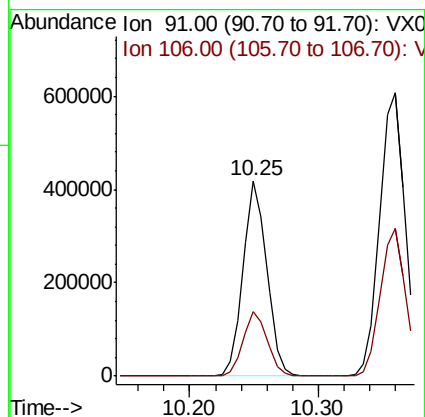
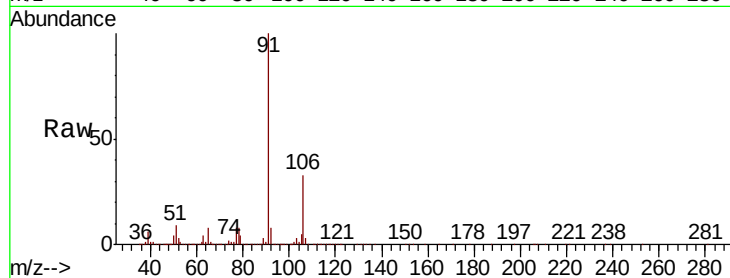
106 32.9 26.4 39.6

Manual Integrations

APPROVED

MMDadoda

12/26/2018 9:57:17 AM



#68

m/p-Xylenes

Concen: 39.806 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006790.D

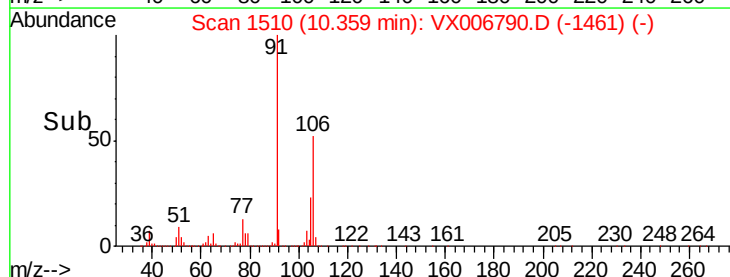
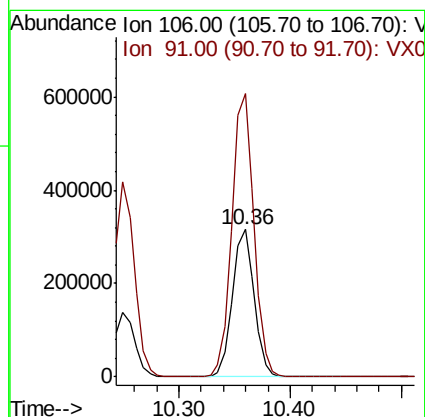
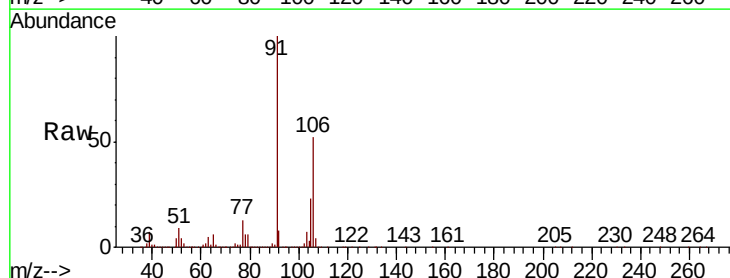
Acq: 24 Dec 2018 13:05

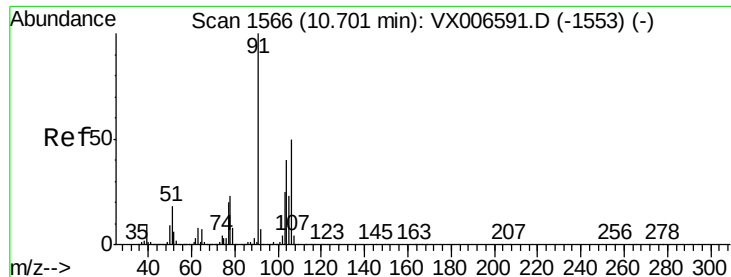
Tgt Ion: 106 Resp: 424934

Ion Ratio Lower Upper

106 100

91 194.9 155.8 233.6





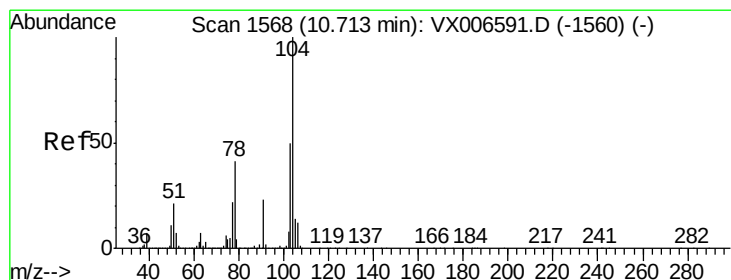
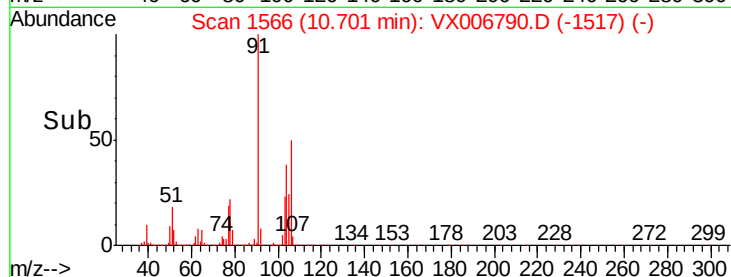
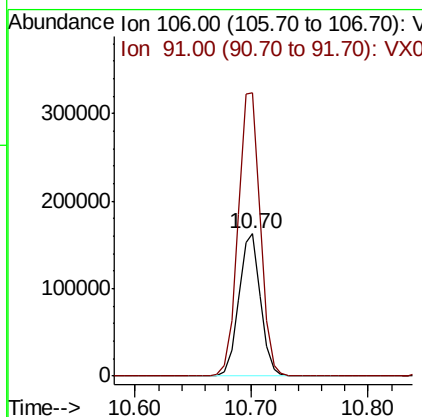
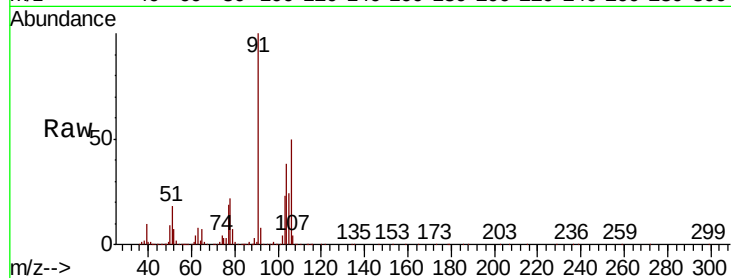
#69
o-Xylene
Concen: 19.988 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.3	101.3	303.7

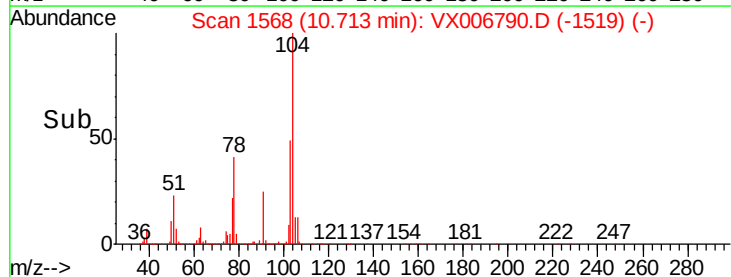
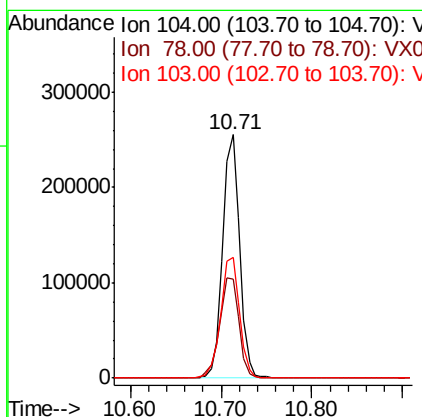
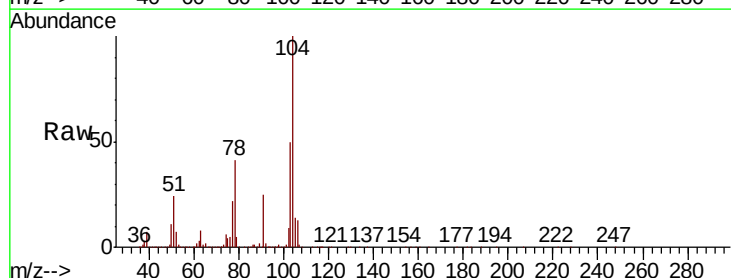
Manual Integrations
APPROVED

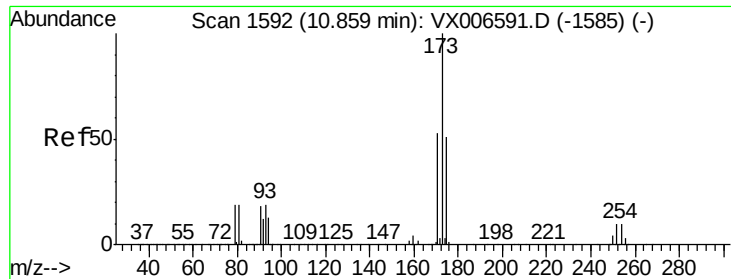
MMDadoda
12/26/2018 9:57:17 AM



#70
Styrene
Concen: 20.026 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.2	37.7	56.5
103	55.3	43.8	65.8





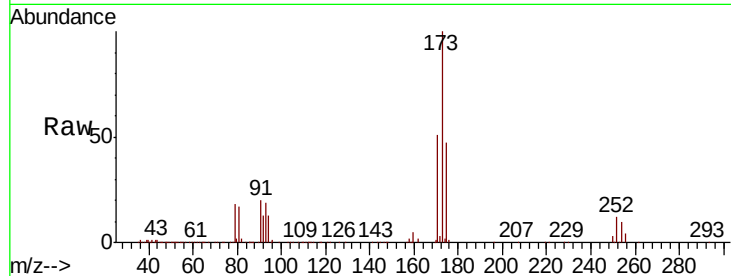
#71
Bromoform
Concen: 18.369 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.7	74.1
254	0.1	0.2	0.2#

Manual Integrations
APPROVED

MMDadoda
12/26/2018 9:57:17 AM

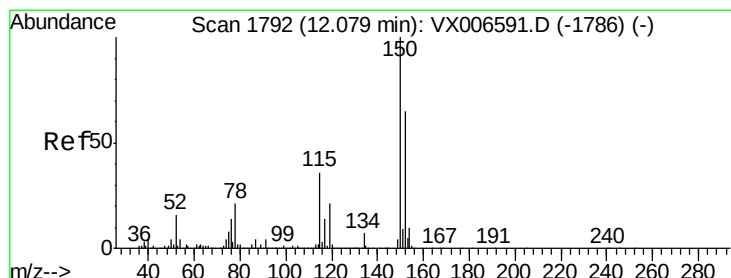
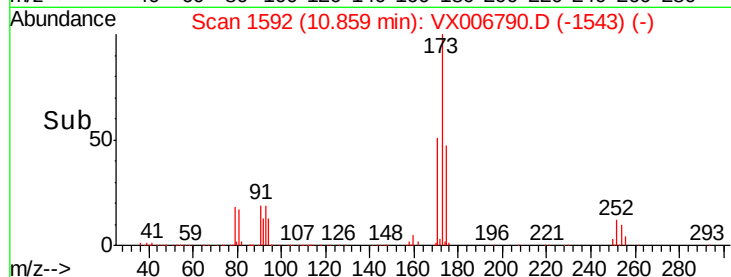
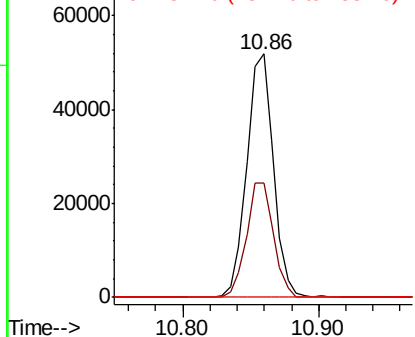


Abundance

Ion 172.70 (172.40 to 173.40): V

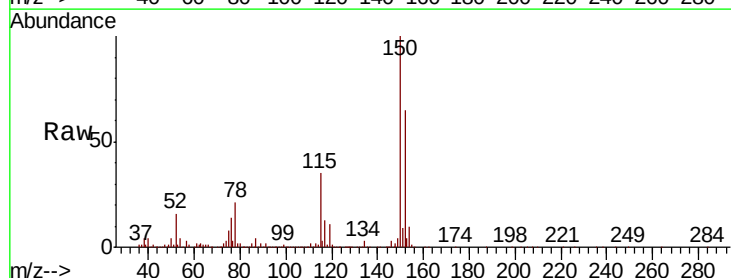
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.7	39.1	117.2
150	160.1	0.0	344.8

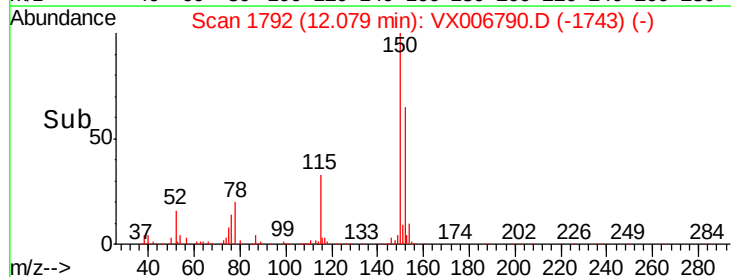
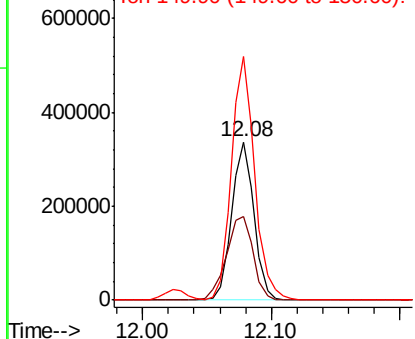


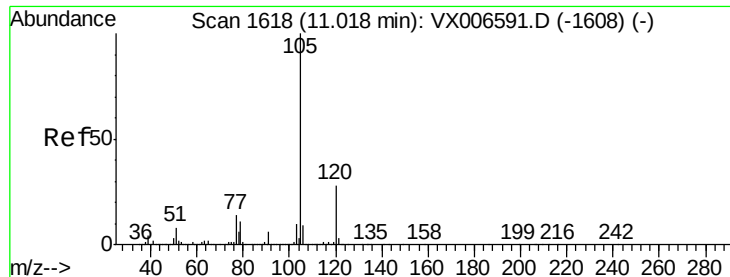
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.972 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBS01

Tot Ion: 105 Resp: 555970

Ion Ratio Lower Upper

105 100

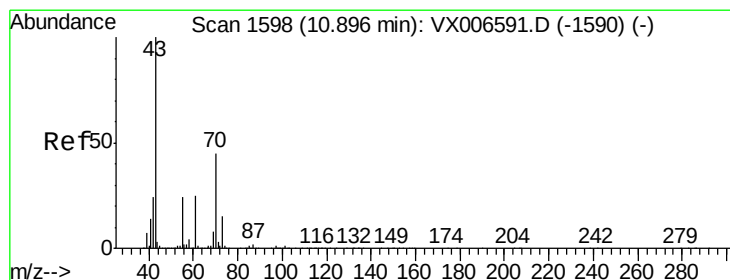
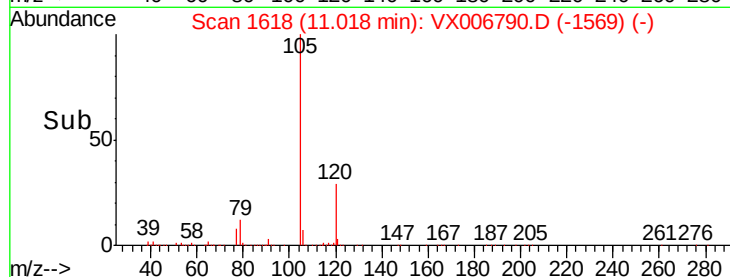
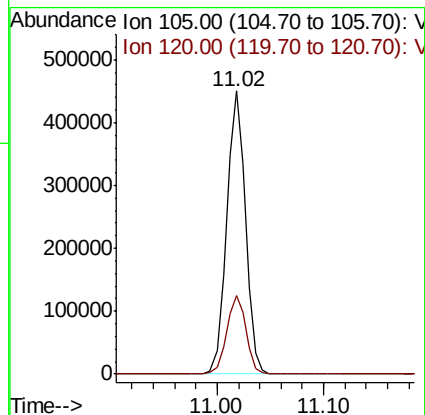
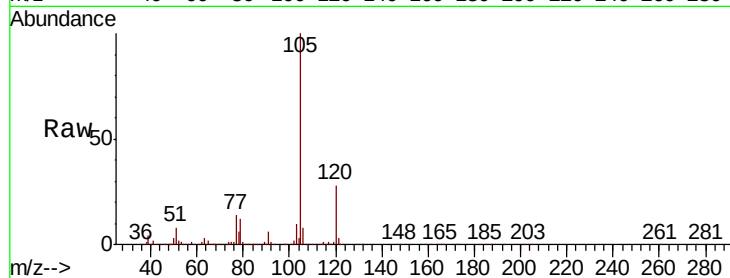
120 28.4 14.1 42.4

Manual Integrations

APPROVED

MMDadoda

12/26/2018 9:57:17 AM



#74

N-ethyl acetate

Concen: 21.226 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Tgt Ion: 43 Resp: 211501

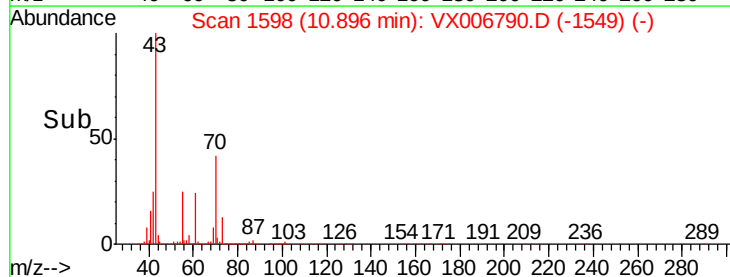
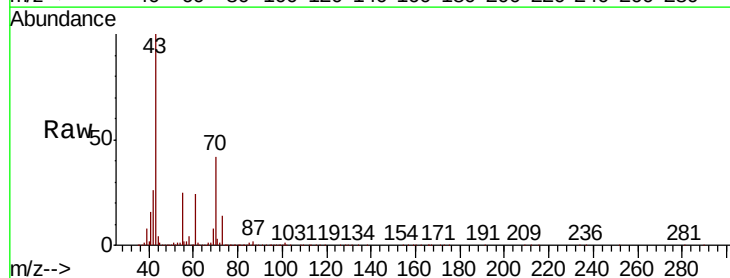
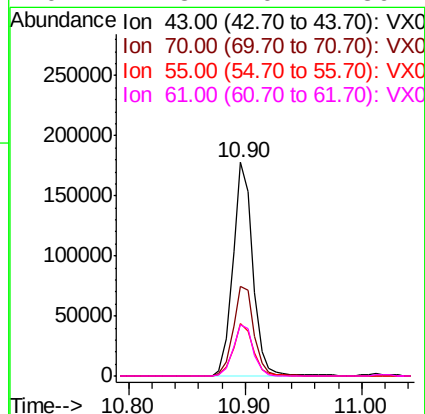
Ion Ratio Lower Upper

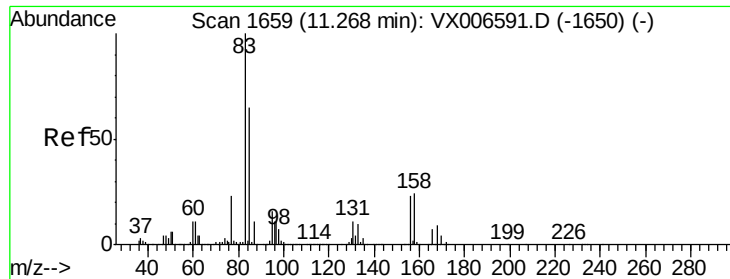
43 100

70 43.8 35.8 53.8

55 24.7 19.4 29.0

61 24.3 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.424 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBS01

Tot Ion: 83 Resp: 177360

Ion Ratio Lower Upper

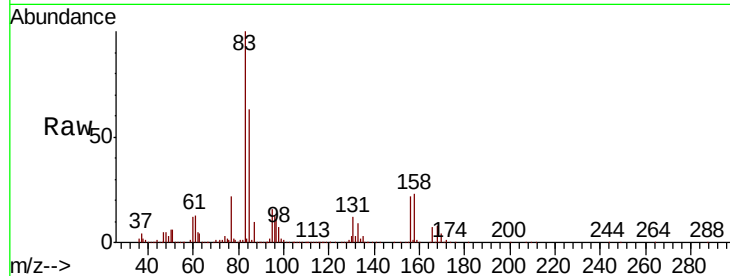
83 100

131 11.1 5.7 17.1

85 64.5 32.2 96.6

Manual Integrations
APPROVED

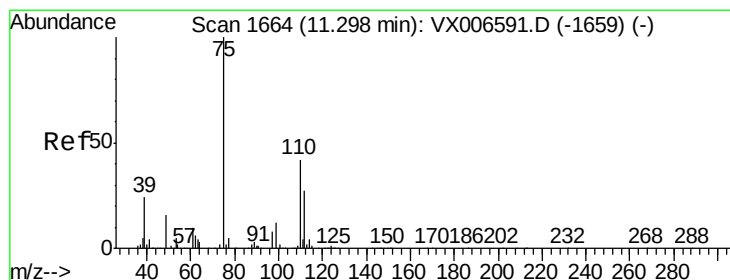
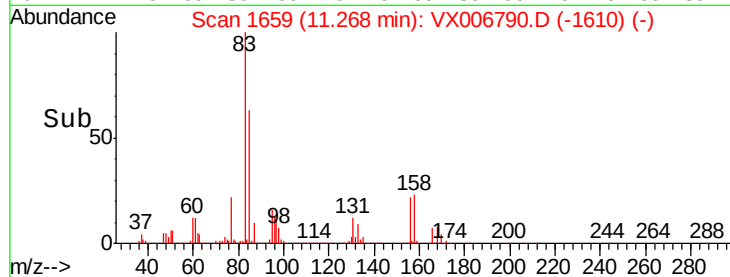
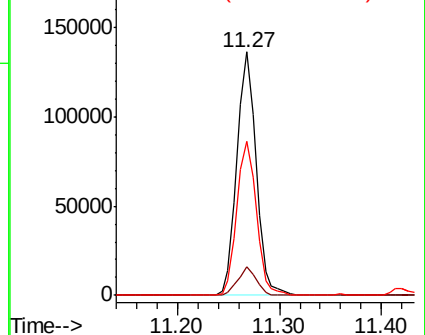
MMDadoda
12/26/2018 9:57:17 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.982 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006790.D

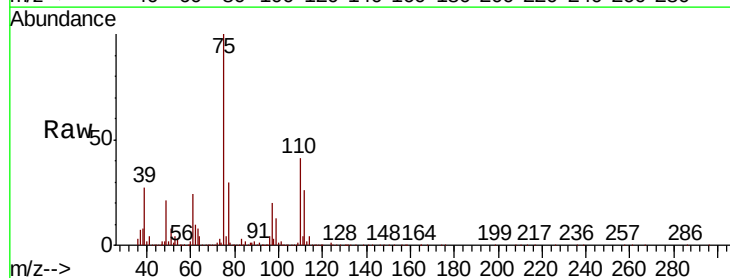
Acq: 24 Dec 2018 13:05

Tgt Ion: 75 Resp: 158668

Ion Ratio Lower Upper

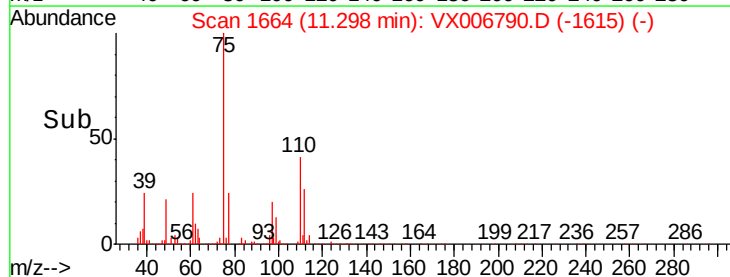
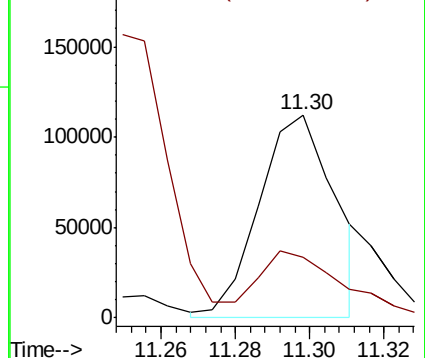
75 100

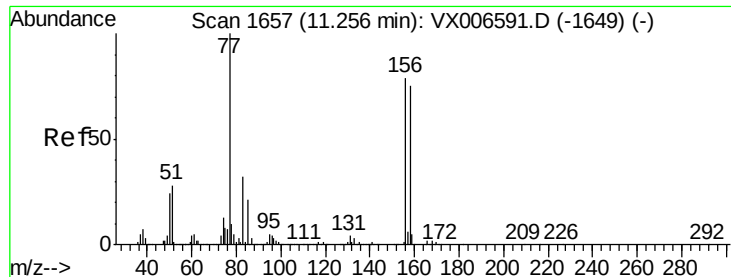
77 36.3 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.013 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Instrument :

MSVOA_X

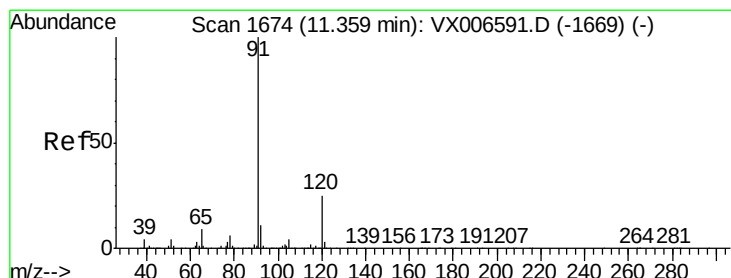
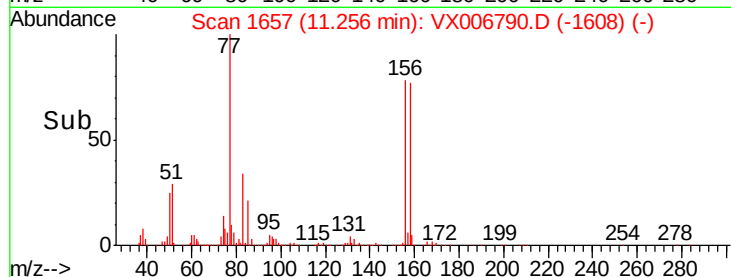
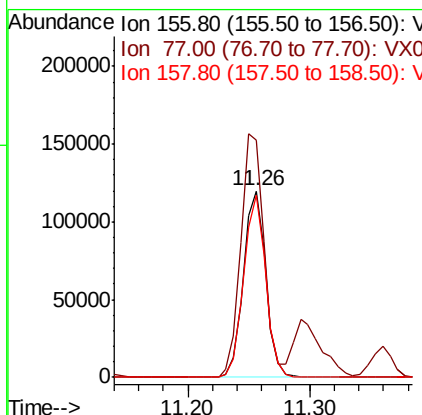
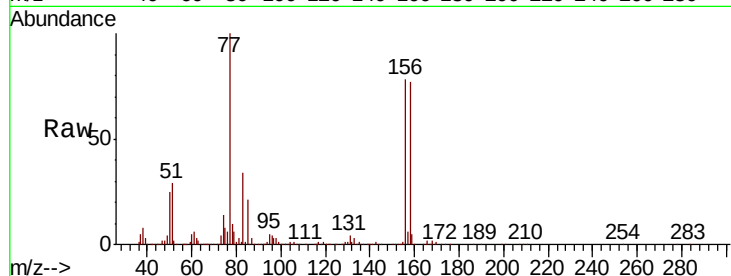
ClientSampleId :

VX1224MBS01

Tot Ion:	156	Resp:	150617
Ion Ratio	Lower	Upper	
156	100		
77	136.8	68.0	204.0
158	97.0	48.3	144.8

Manual Integrations
APPROVED

MMDadoda
12/26/2018 9:57:17 AM



#78

n-propylbenzene

Concen: 19.894 ug/l

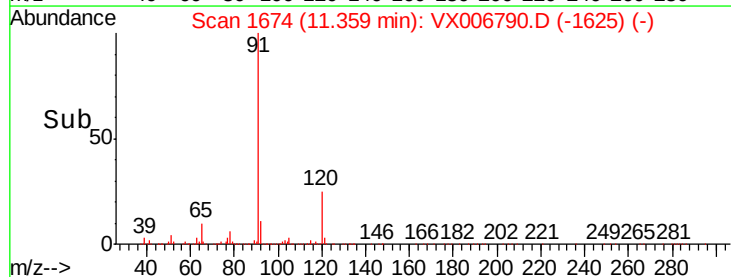
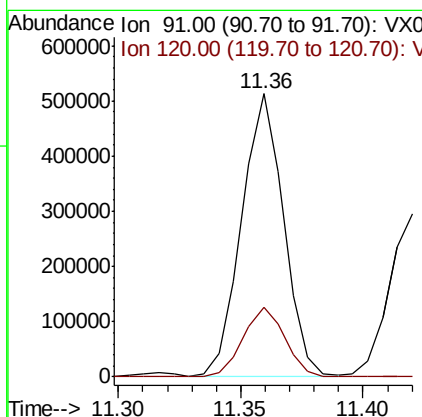
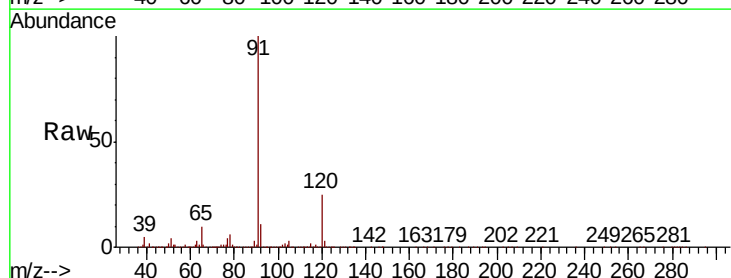
RT: 11.36 min Scan# 1674

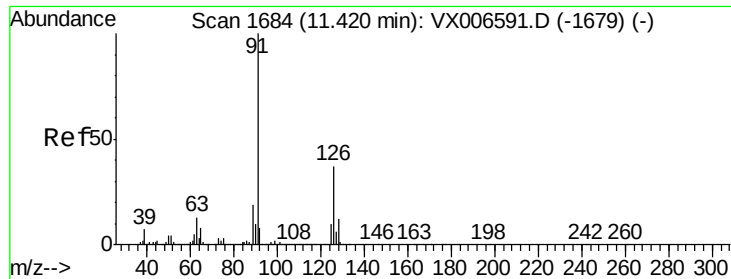
Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Tgt Ion:	91	Resp:	609834
Ion Ratio	Lower	Upper	
91	100		
120	24.8	12.7	38.0





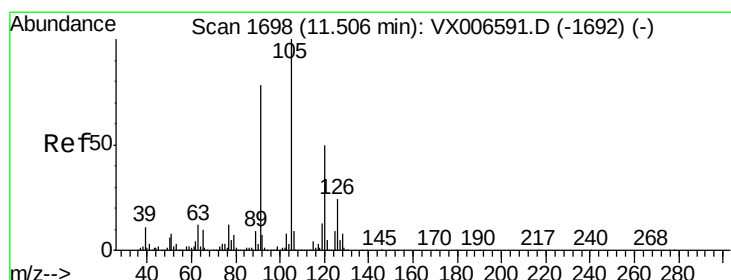
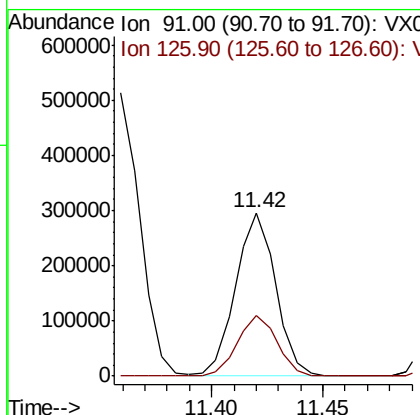
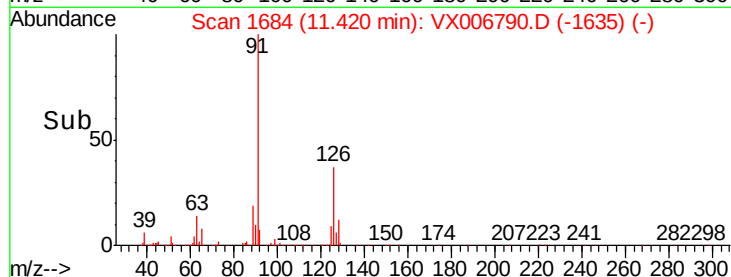
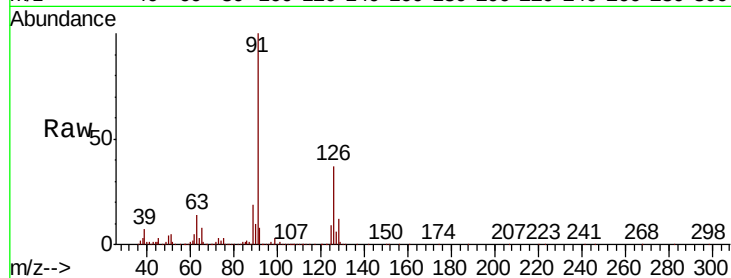
#79
 2-Chlorotoluene
 Concen: 19.898 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX006790.D
 Acq: 24 Dec 2018 13:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1224MBS01

Tot Ion: 91 Resp: 369635
 Ion Ratio Lower Upper
 91 100
 126 37.3 18.6 56.0

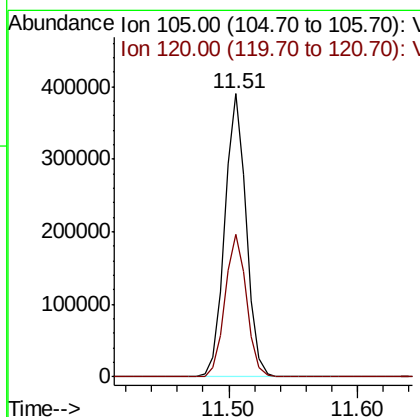
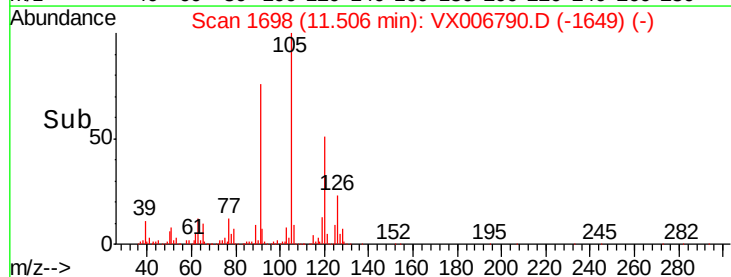
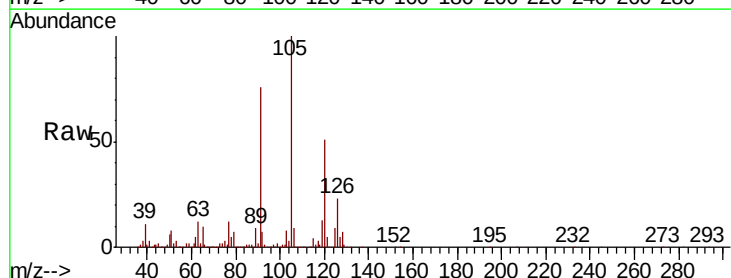
Manual Integrations
 APPROVED

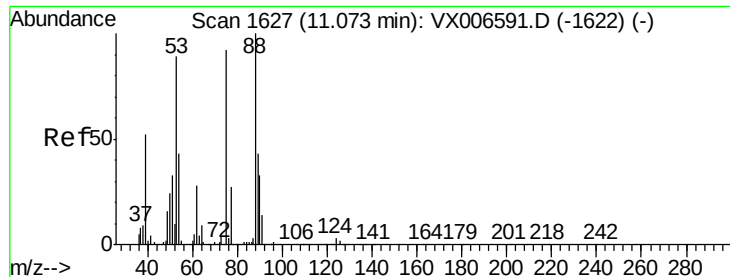
MMDadoda
 12/26/2018 9:57:17 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.876 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX006790.D
 Acq: 24 Dec 2018 13:05

Tgt Ion: 105 Resp: 455731
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.1 75.3





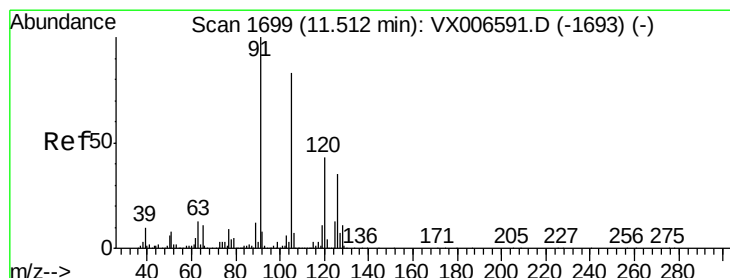
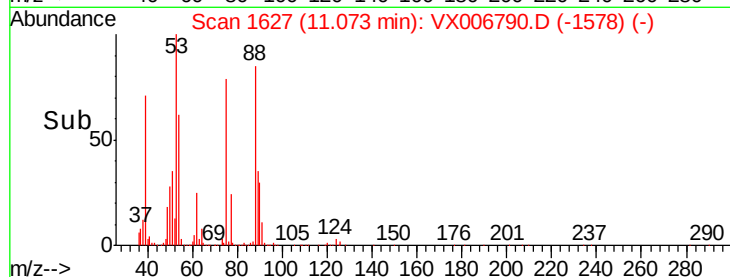
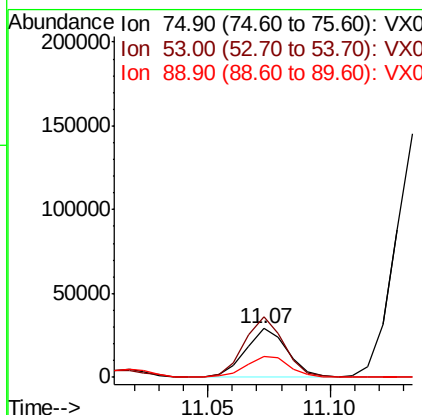
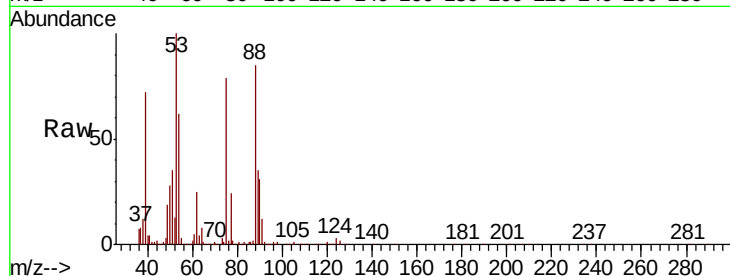
#81
trans-1,4-Dichloro-2-butene
Concen: 16.950 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.2	79.7	119.5#
89	46.7	38.0	57.0

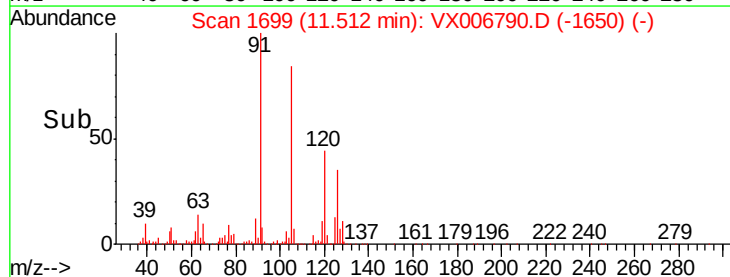
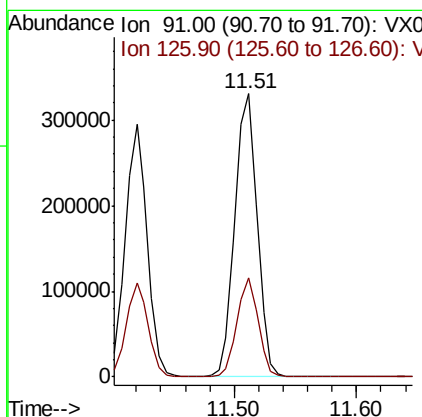
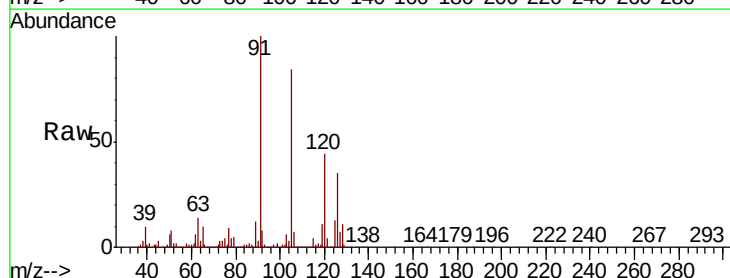
Manual Integrations
APPROVED

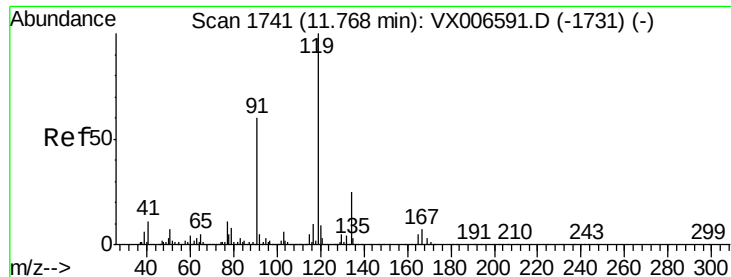
MMDadoda
12/26/2018 9:57:17 AM



#82
4-Chlorotoluene
Concen: 19.516 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.3	48.9





#83

tert-Butylbenzene

Concen: 20.717 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Instrument :

MSVOA_X

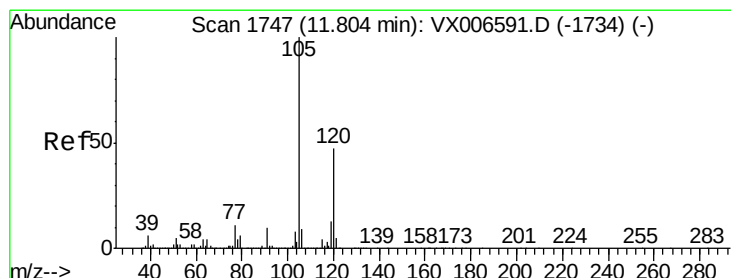
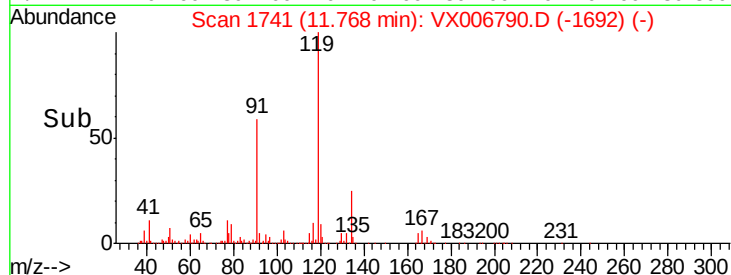
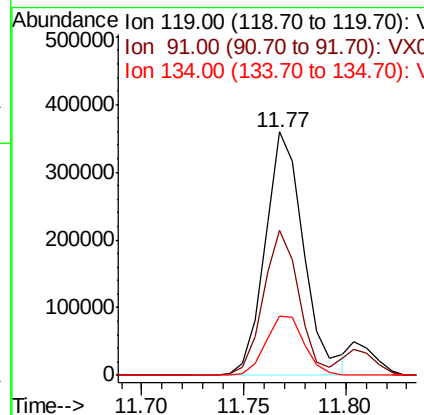
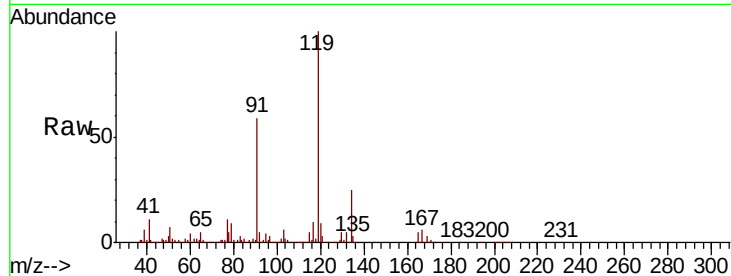
ClientSampleId :

VX1224MBS01

Tot Ion:	119	Resp:	475398
Ion Ratio	Lower	Upper	
119	100		
91	54.9	27.7	83.1
134	24.3	11.9	35.5

Manual Integrations
APPROVED

MMDadoda
12/26/2018 9:57:17 AM



#84

1,2,4-Trimethylbenzene

Concen: 19.432 ug/l

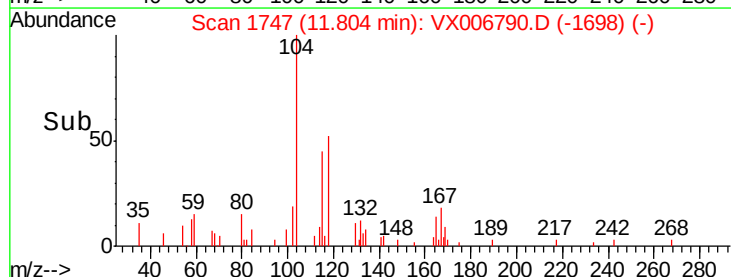
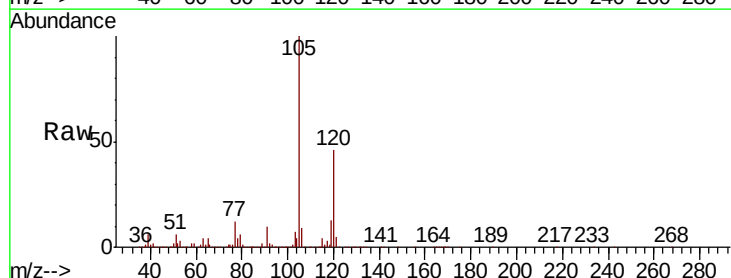
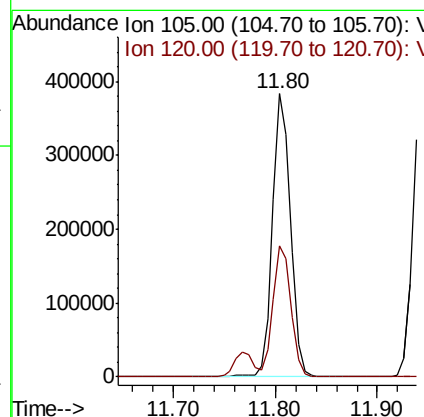
RT: 11.80 min Scan# 1747

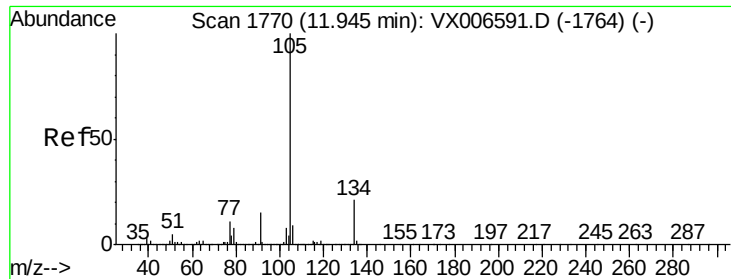
Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Tgt Ion:	105	Resp:	468641
Ion Ratio	Lower	Upper	
105	100		
120	46.0	23.2	69.6





#85

sec-Butylbenzene

Concen: 19.750 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBS01

Tot Ion:105 Resp: 555658

Ion Ratio Lower Upper

105 100

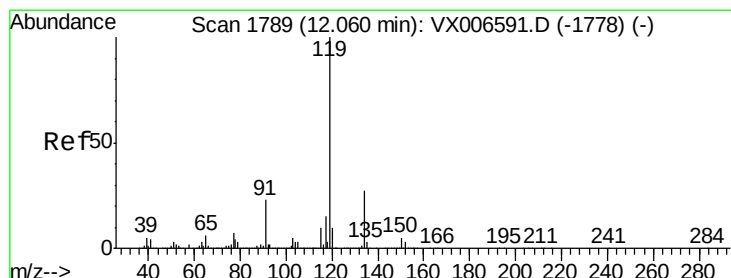
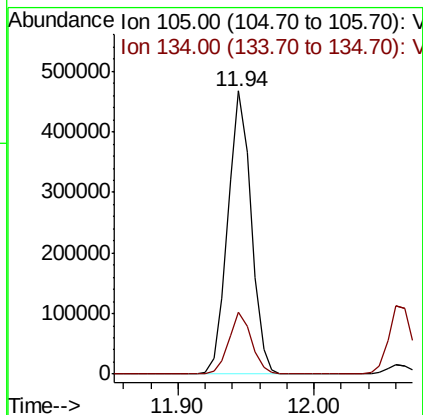
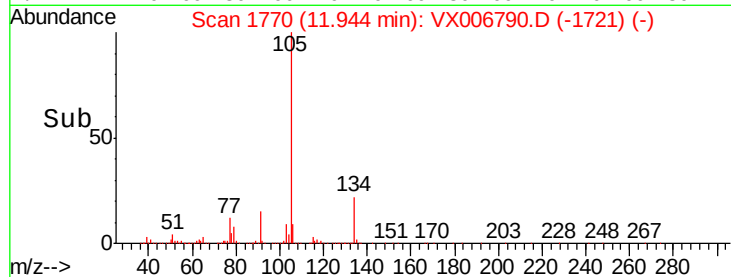
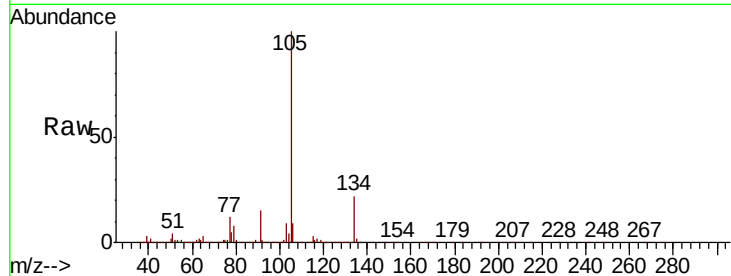
134 21.3 10.7 31.9

Manual Integrations

APPROVED

MMDadoda

12/26/2018 9:57:17 AM



#86

p-Isopropyltoluene

Concen: 19.841 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

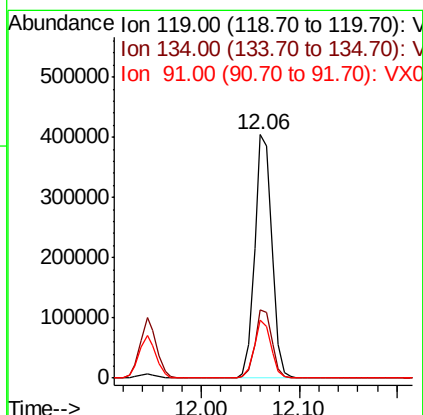
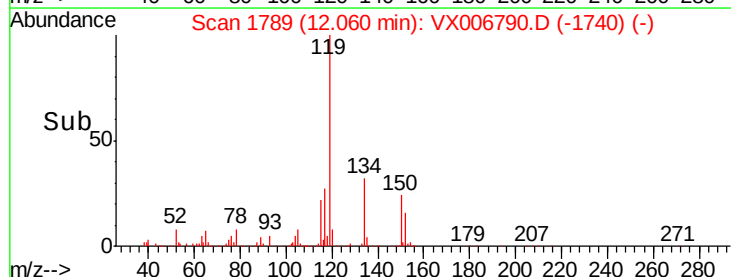
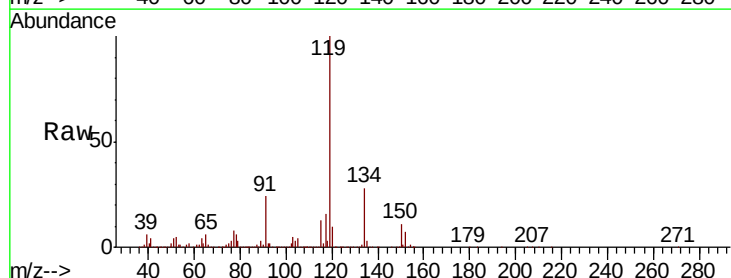
Tgt Ion:119 Resp: 490708

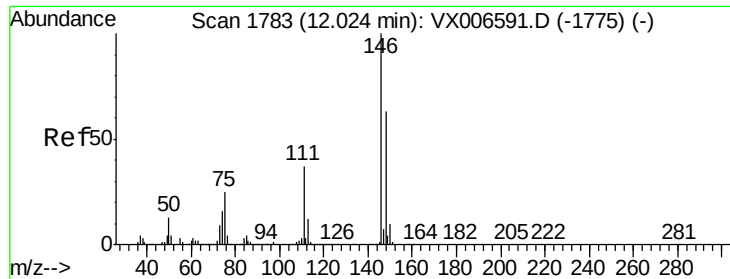
Ion Ratio Lower Upper

119 100

134 27.8 14.0 41.9

91 23.2 11.3 33.9





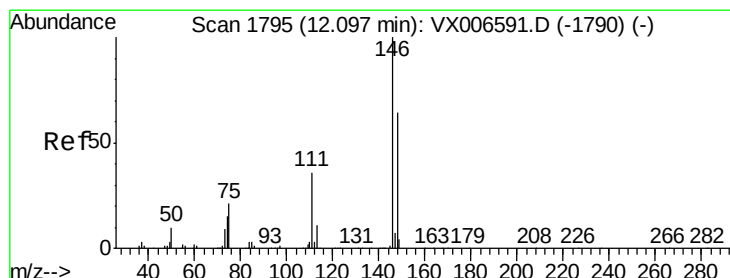
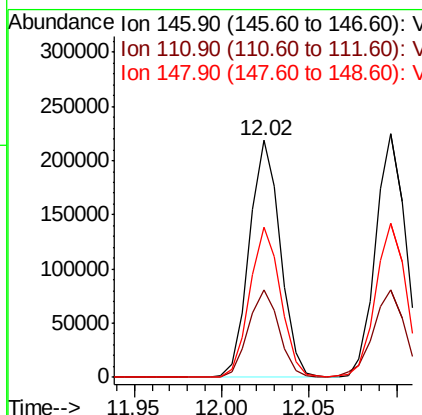
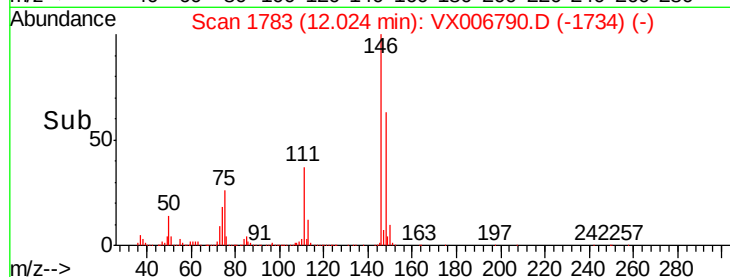
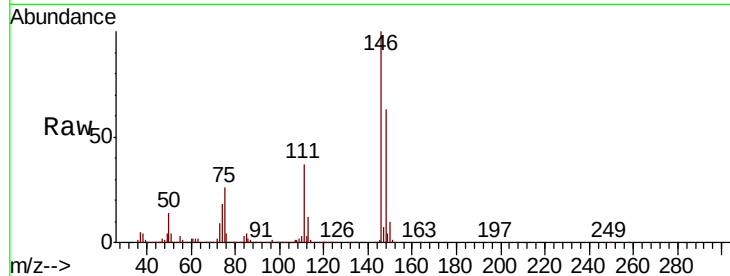
#87
 1,3-Dichlorobenzene
 Concen: 19.778 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006790.D
 Acq: 24 Dec 2018 13:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1224MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.6	55.8
148	63.2	31.8	95.3

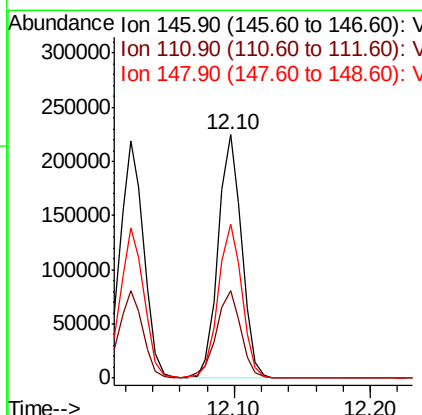
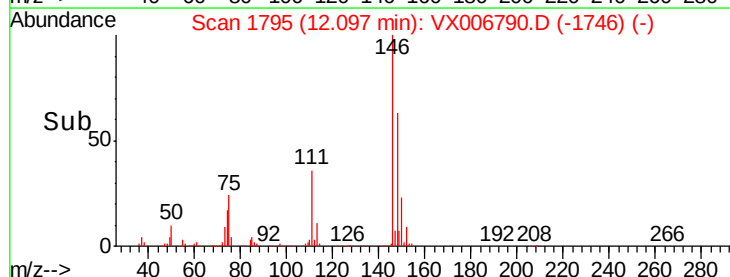
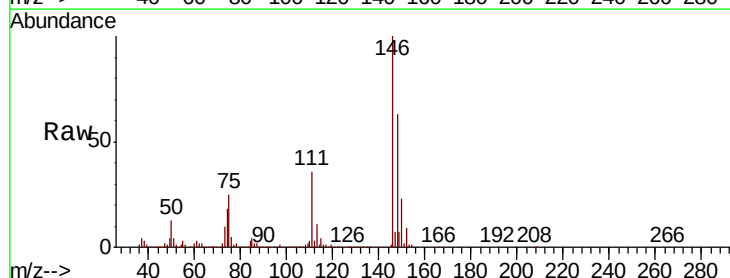
Manual Integrations
 APPROVED

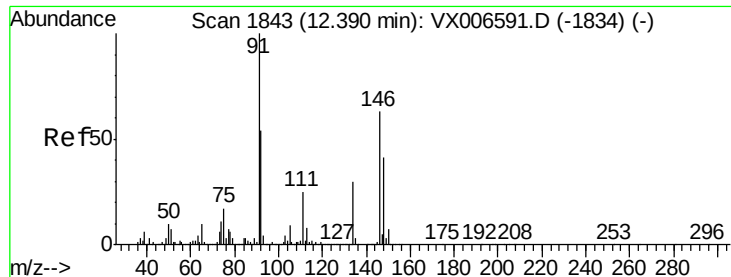
MMDadoda
 12/26/2018 9:57:17 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.327 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006790.D
 Acq: 24 Dec 2018 13:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.1	54.1
148	64.1	31.9	95.9





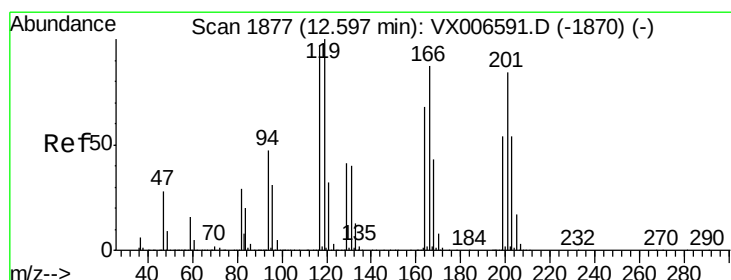
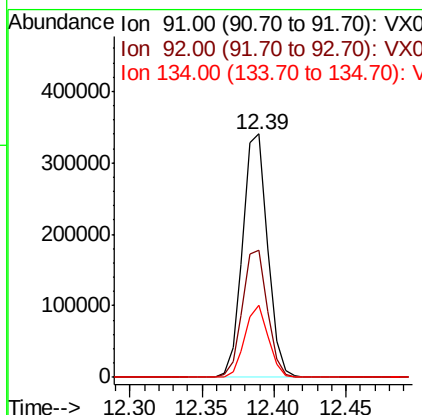
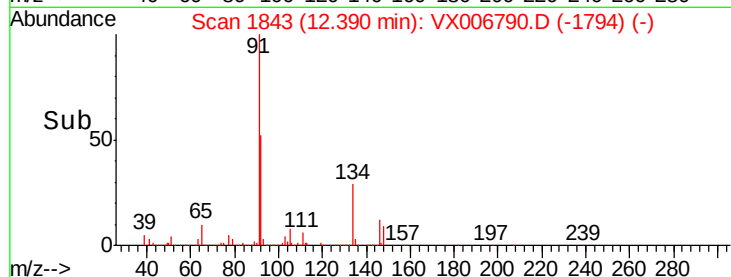
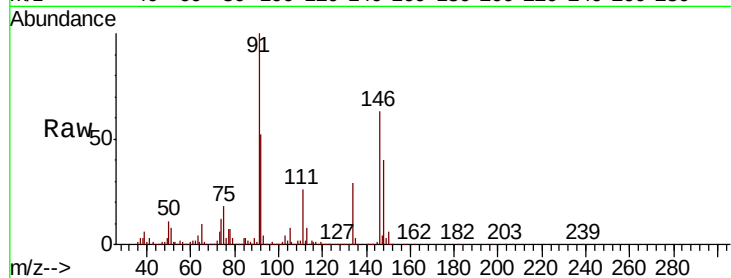
#89
n-Butylbenzene
Concen: 19.472 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.2	26.8	80.4	
134	27.8	14.4	43.2	

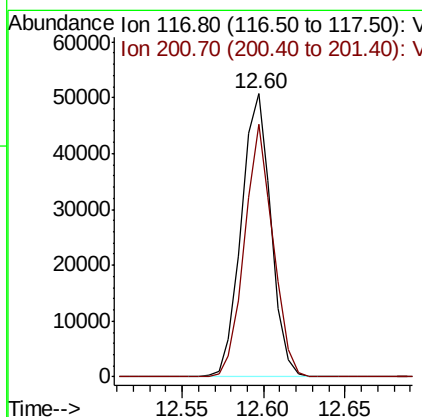
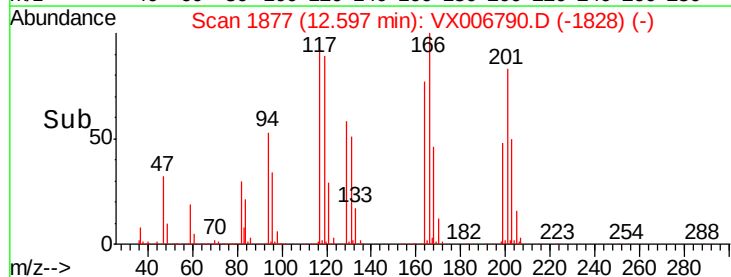
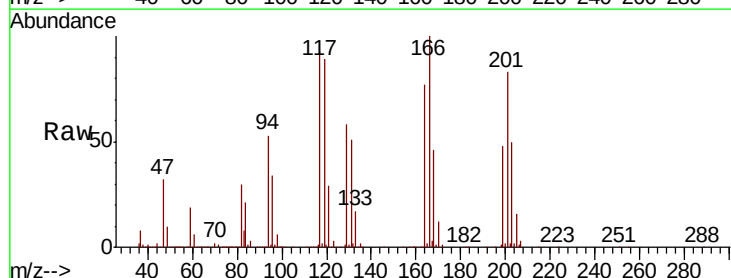
Manual Integrations
APPROVED

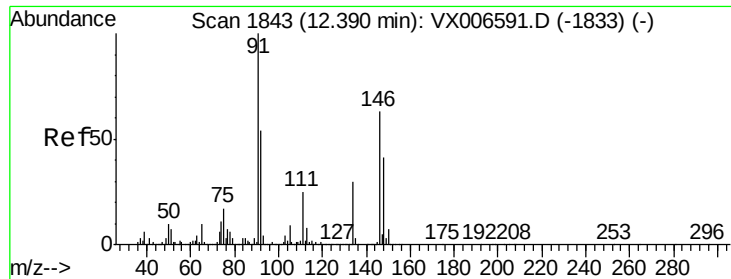
MMDadoda
12/26/2018 9:57:17 AM



#90
Hexachloroethane
Concen: 18.782 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	85.9	42.9	128.7	





#91

1,2-Dichlorobenzene

Concen: 19.685 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Instrument :

MSVOA_X

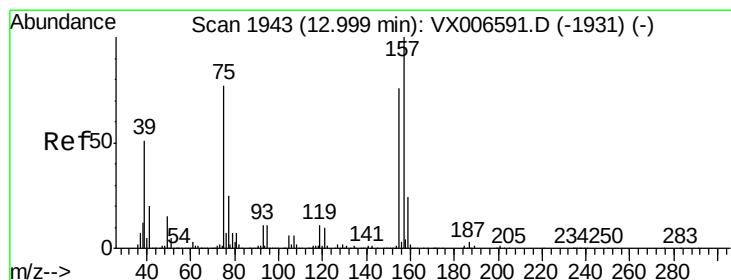
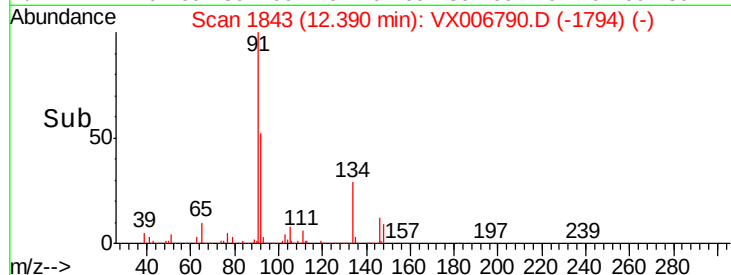
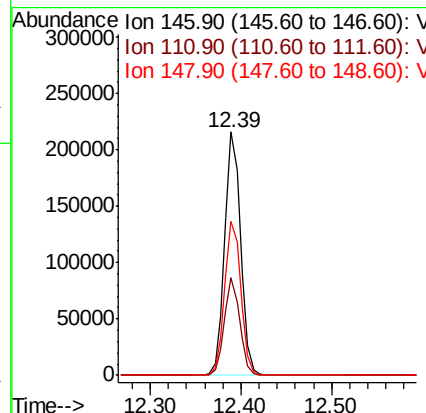
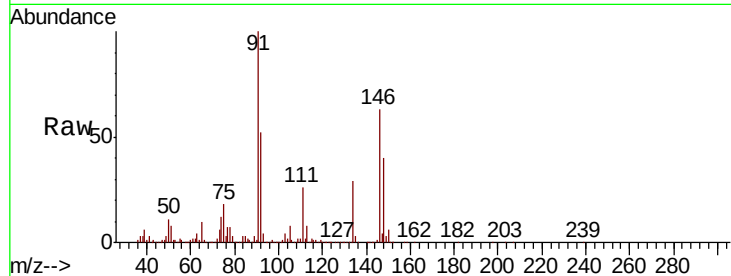
ClientSampleId :

VX1224MBS01

Tot Ion:	146	Resp:	267085
Ion Ratio	Lower	Upper	
146	100		
111	38.7	19.4	58.2
148	64.3	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
12/26/2018 9:57:17 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.896 ug/l

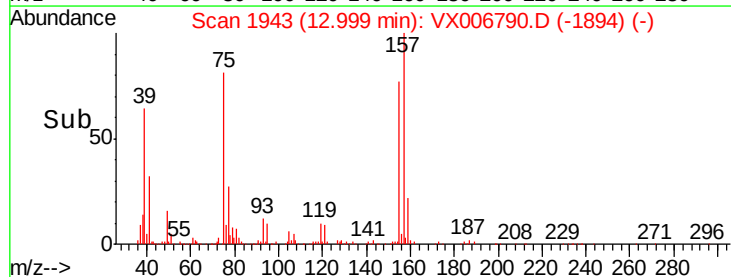
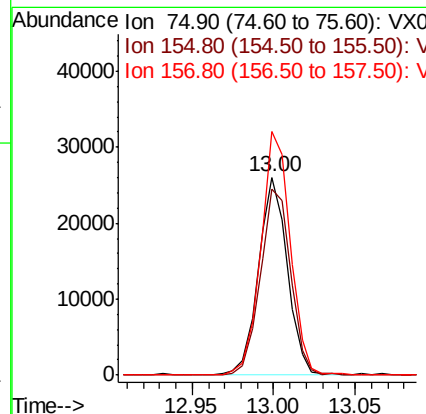
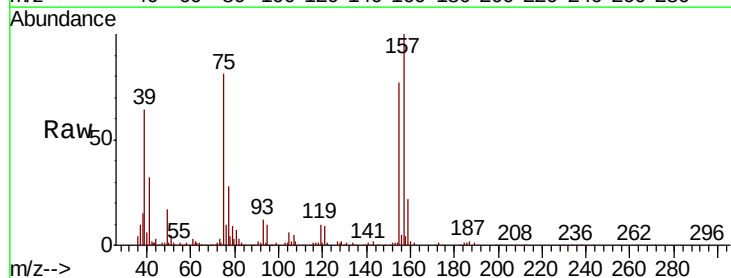
RT: 13.00 min Scan# 1943

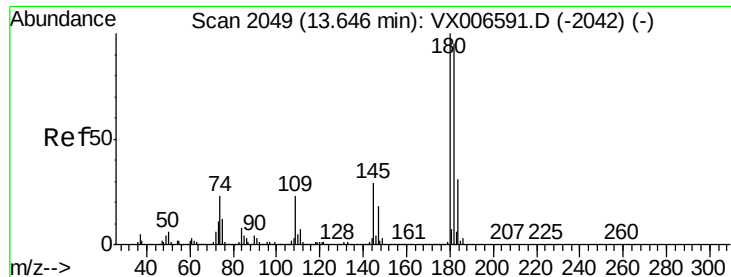
Delta R.T. -0.00 min

Lab File: VX006790.D

Acq: 24 Dec 2018 13:05

Tgt Ion:	75	Resp:	32368
Ion Ratio	Lower	Upper	
75	100		
155	98.3	50.6	151.8
157	124.9	64.6	193.8





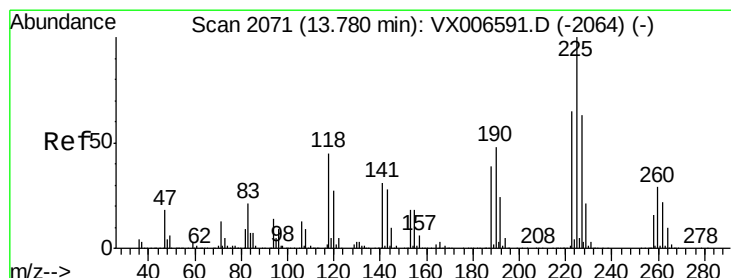
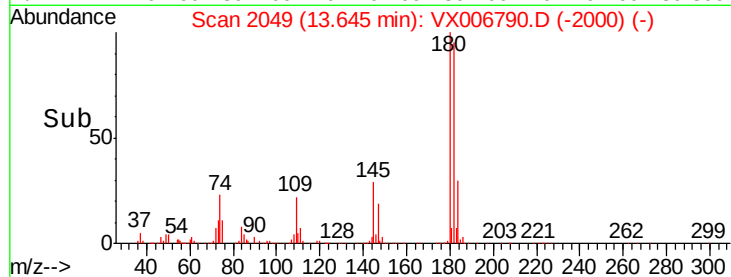
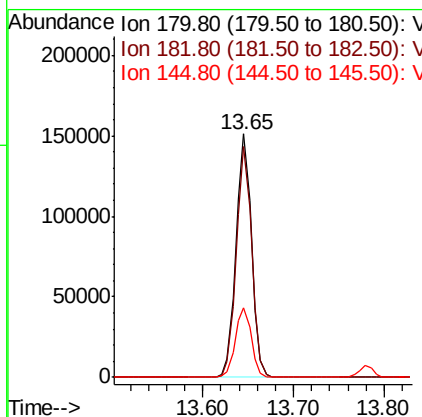
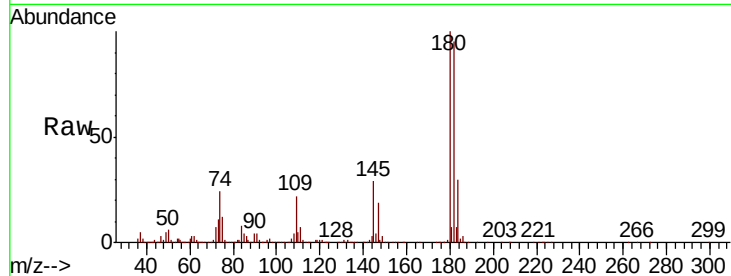
#93
 1,2,4-Trichlorobenzene
 Concen: 19.182 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006790.D
 Acq: 24 Dec 2018 13:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1224MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	179528		
182	94.2	47.3	142.0	
145	29.8	14.8	44.3	

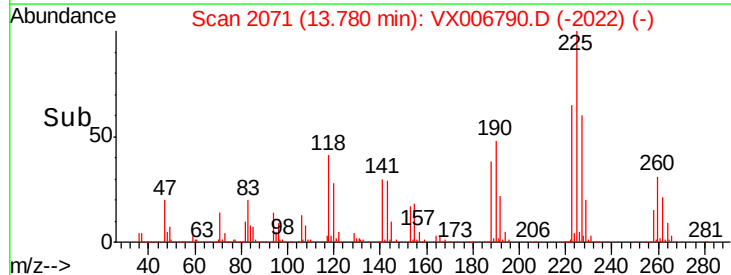
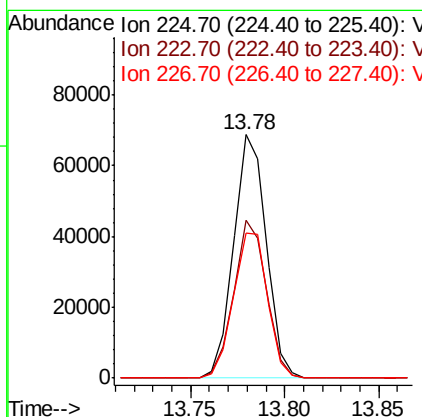
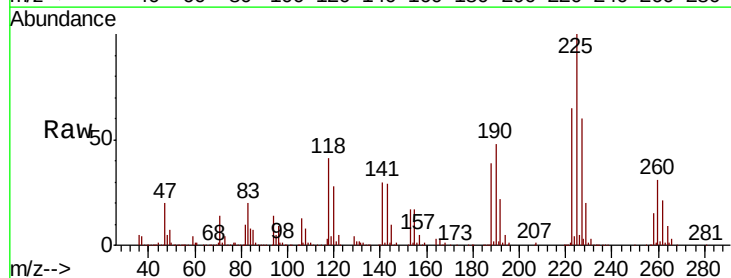
Manual Integrations
 APPROVED

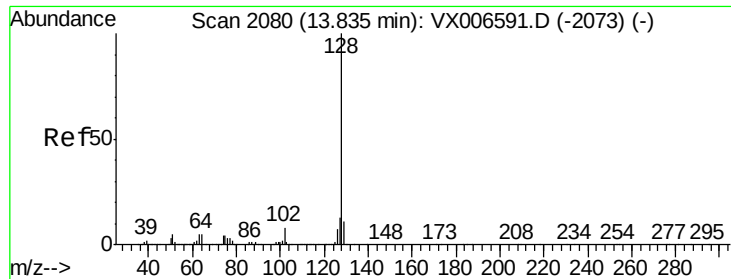
MMDadoda
 12/26/2018 9:57:17 AM



#94
 Hexachlorobutadiene
 Concen: 18.714 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX006790.D
 Acq: 24 Dec 2018 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	82555		
223	64.9	32.1	96.3	
227	62.9	32.3	96.8	





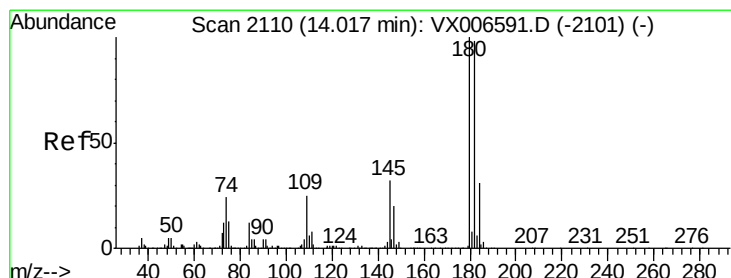
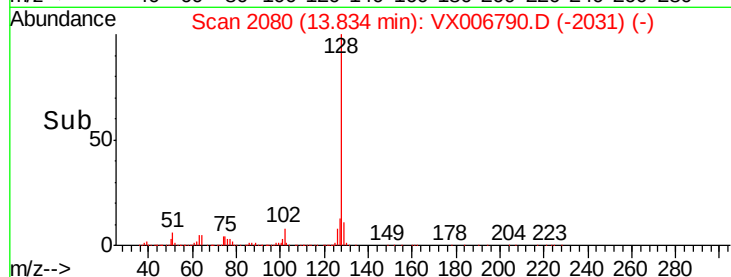
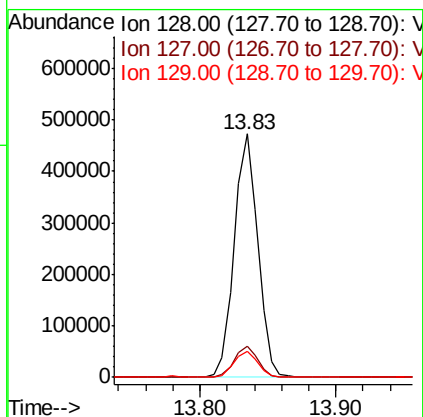
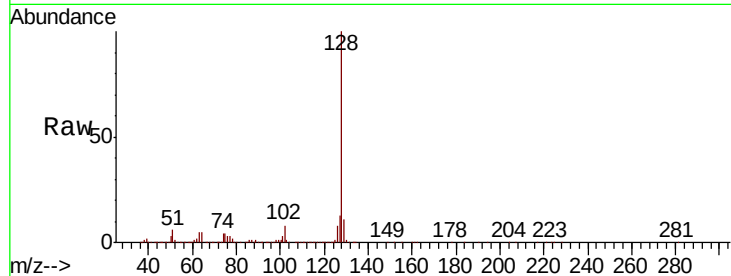
#95
Naphthalene
Concen: 19.053 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/26/2018 9:57:17 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.308 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX006790.D
Acq: 24 Dec 2018 13:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	48.5	145.5
145	31.5	16.0	47.9

