

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071519\
 Data File : VX010897.D
 Acq On : 15 Jul 2019 20:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 10:48:06 AM

Quant Time: Jul 16 04:00:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	261955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	397899	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	369154	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	195643	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	124548	50.71	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.42%		
35) Dibromofluoromethane	5.50	113	116434	47.83	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.66%		
50) Toluene-d8	8.71	98	410843	44.11	ug/l	0.00
Spiked Amount 50.000			Recovery =	88.22%		
62) 4-Bromofluorobenzene	11.13	95	164445	48.90	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.80%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	88901	48.815	ug/l	100
3) Chloromethane	1.32	50	87348	41.189	ug/l	100
4) Vinyl Chloride	1.41	62	100150	43.117	ug/l	99
5) Bromomethane	1.64	94	54205	47.901	ug/l	99
6) Chloroethane	1.71	64	63293	46.186	ug/l	97
7) Trichlorofluoromethane	1.92	101	177446	48.191	ug/l	98
8) Diethyl Ether	2.19	74	61100	46.272	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	102514	45.942	ug/l	98
10) Methyl Iodide	2.51	142	135464	42.539	ug/l	96
11) Tert butyl alcohol	3.05	59	138575	215.621	ug/l	97
12) 1,1-Dichloroethene	2.37	96	101287	44.609	ug/l	95
13) Acrolein	2.29	56	104726	245.642	ug/l	100
14) Allyl chloride	2.73	41	153029	47.472	ug/l	96
15) Acrylonitrile	3.14	53	304559	239.352	ug/l	99
16) Acetone	2.45	43	251325	204.177	ug/l	96
17) Carbon Disulfide	2.57	76	236360	38.801	ug/l	100
18) Methyl Acetate	2.78	43	122635	49.988	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	347024	48.582	ug/l	100
20) Methylene Chloride	2.85	84	114573	45.229	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	106775	43.724	ug/l	96
22) Diisopropyl ether	3.85	45	323694	48.028	ug/l	98
23) Vinyl Acetate	3.81	43	1452837	249.526	ug/l	97
24) 1,1-Dichloroethane	3.70	63	185143	47.524	ug/l	98
25) 2-Butanone	4.67	43	417579	231.269	ug/l	99
26) 2,2-Dichloropropane	4.58	77	140882	41.629	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	128290	45.461	ug/l	97
28) Bromochloromethane	5.02	49	75097	40.317	ug/l	95
29) Tetrahydrofuran	5.13	42	263668	235.754	ug/l	99
30) Chloroform	5.21	83	200907	47.930	ug/l	100
31) Cyclohexane	5.58	56	158435	44.659	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	179126	48.397	ug/l	99
36) 1,1-Dichloropropene	5.80	75	143589	45.412	ug/l	97
37) Ethyl Acetate	4.84	43	157238	48.338	ug/l	99
38) Carbon Tetrachloride	5.79	117	155794	45.501	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071519\
 Data File : VX010897.D
 Acq On : 15 Jul 2019 20:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 10:48:06 AM

Quant Time: Jul 16 04:00:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	175106	42.131	ug/l	99
40) Benzene	6.14	78	440469	44.714	ug/l	98
41) Methacrylonitrile	5.04	41	86774	48.619	ug/l	98
42) 1,2-Dichloroethane	6.19	62	155893	51.988	ug/l	96
43) Isopropyl Acetate	6.45	43	258545	48.041	ug/l	97
44) Trichloroethene	7.21	130	127047	43.101	ug/l	99
45) 1,2-Dichloropropane	7.51	63	112525	45.234	ug/l	99
46) Dibromomethane	7.66	93	82793	46.388	ug/l	96
47) Bromodichloromethane	7.90	83	152350	46.578	ug/l	100
48) Methyl methacrylate	7.77	41	123875	49.519	ug/l	97
49) 1,4-Dioxane	7.74	88	67257	933.311	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	854795	248.343	ug/l	97
52) Toluene	8.78	92	287870	44.375	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	165367	45.094	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	180281	45.239	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	125258	46.818	ug/l	97
56) Ethyl methacrylate	9.18	69	192959	47.610	ug/l	94
57) 1,3-Dichloropropane	9.37	76	194096	46.735	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	375657	195.161	ug/l	99
59) 2-Hexanone	9.49	43	661192	244.075	ug/l	98
60) Dibromochloromethane	9.58	129	136675	45.625	ug/l	99
61) 1,2-Dibromoethane	9.67	107	132989	46.052	ug/l	100
64) Tetrachloroethene	9.34	164	120617	40.397	ug/l	96
65) Chlorobenzene	10.13	112	330347	44.078	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	124980	45.782	ug/l	99
67) Ethyl Benzene	10.25	91	572275	45.231	ug/l	98
68) m/p-Xylenes	10.36	106	443793	90.524	ug/l	99
69) o-Xylene	10.69	106	216417	44.889	ug/l	96
70) Styrene	10.71	104	376469	46.562	ug/l	98
71) Bromoform	10.85	173	107313	45.204	ug/l	100
73) Isopropylbenzene	11.02	105	587133	44.271	ug/l	98
74) N-amyl acetate	10.90	43	241551	48.194	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	195914	44.606	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	165105m	46.311	ug/l	
77) Bromobenzene	11.25	156	160042	43.217	ug/l	97
78) n-propylbenzene	11.36	91	655169	44.949	ug/l	99
79) 2-Chlorotoluene	11.42	91	387716	44.670	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	494223	45.204	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	57928	37.906	ug/l #	87
82) 4-Chlorotoluene	11.51	91	456627	46.234	ug/l	98
83) tert-Butylbenzene	11.77	119	494211	45.037	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	504059	45.889	ug/l	100
85) sec-Butylbenzene	11.94	105	578448	44.896	ug/l	99
86) p-Isopropyltoluene	12.06	119	535207	44.909	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	280910	43.457	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	283341	43.056	ug/l	99
89) n-Butylbenzene	12.38	91	464001	45.819	ug/l	99
90) Hexachloroethane	12.60	117	87895	42.653	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	278424	43.338	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	44002	46.467	ug/l	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071519\
Data File : VX010897.D
Acq On : 15 Jul 2019 20:07
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

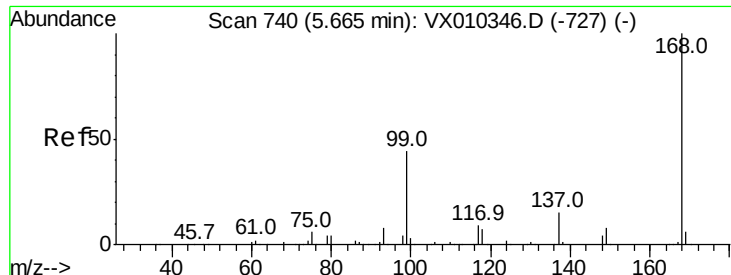
Manual Integrations
APPROVED

MMDadoda
7/16/2019 10:48:06 AM

Quant Time: Jul 16 04:00:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	194418	43.637	ug/l	99
94) Hexachlorobutadiene	13.78	225	93481	42.931	ug/l	98
95) Naphthalene	13.83	128	598702	43.728	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	192836	43.532	ug/l	99

(#) = 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. -0.01 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 261955

Ion Ratio Lower Upper

168 100

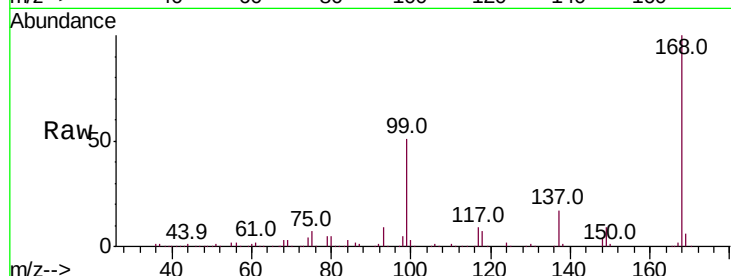
99 51.0 35.5 53.3

Manual Integrations

APPROVED

MMDadoda

7/16/2019 10:48:06 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

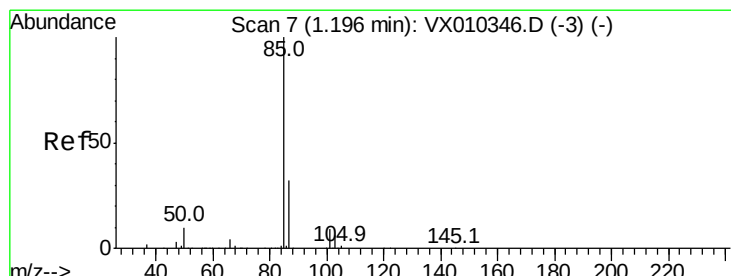
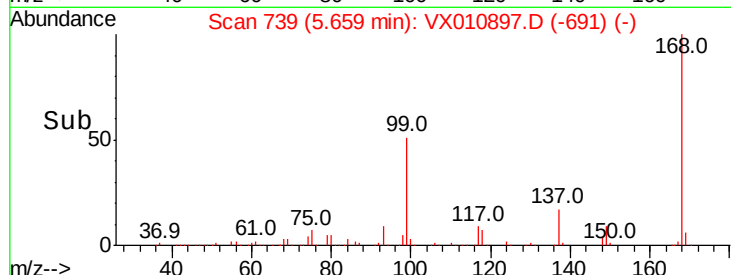
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.815 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010897.D

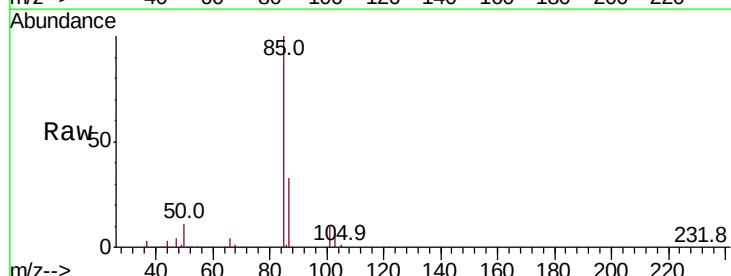
Acq: 15 Jul 2019 20:07

Tgt Ion: 85 Resp: 88901

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

100000

80000

60000

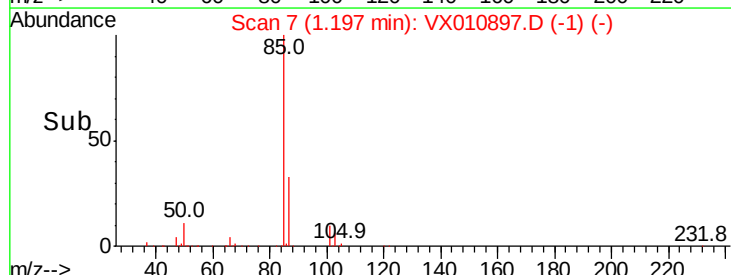
40000

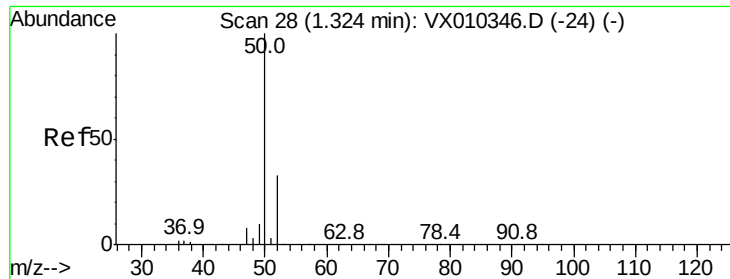
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 41.189 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 87348

Ion Ratio Lower Upper

50 100

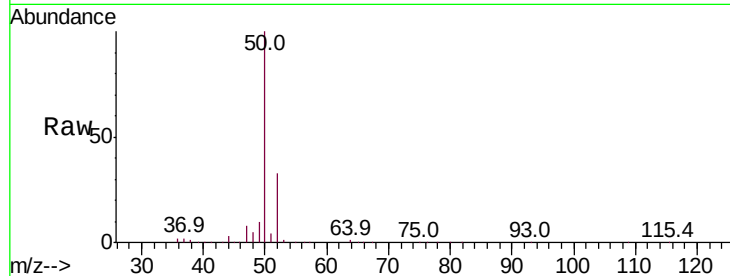
52 33.4 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

7/16/2019 10:48:06 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

100000

80000

60000

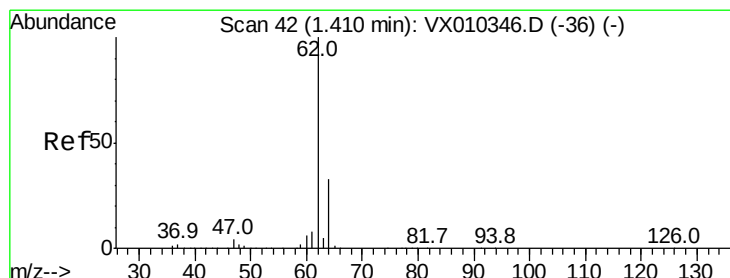
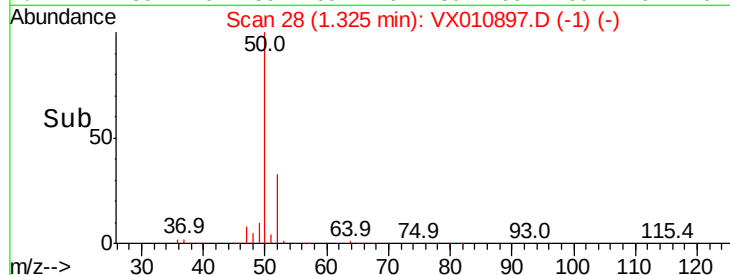
40000

20000

0

1.25 1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 43.117 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010897.D

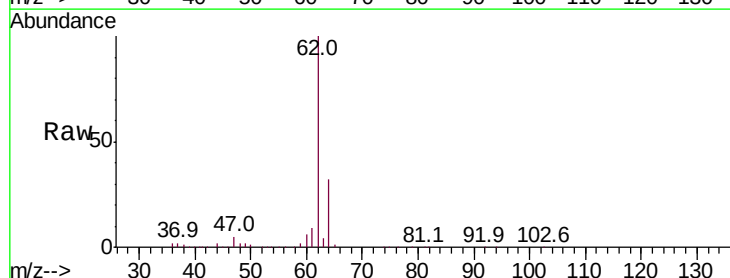
Acq: 15 Jul 2019 20:07

Tgt Ion: 62 Resp: 100150

Ion Ratio Lower Upper

62 100

64 32.1 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

100000

80000

60000

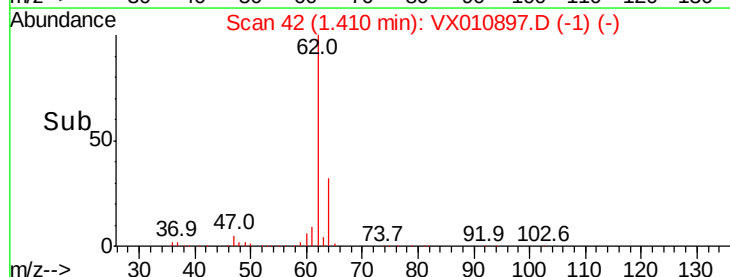
40000

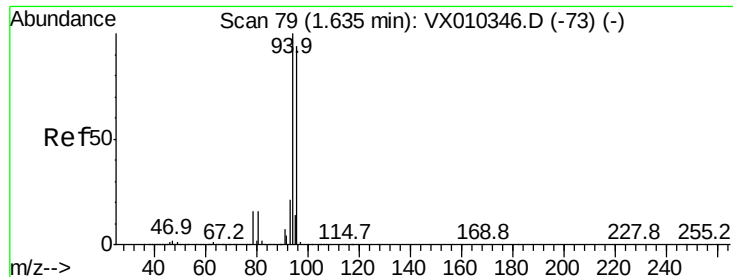
20000

0

1.30 1.40 1.50

Time-->





#5

Bromomethane

Concen: 47.901 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 54205

Ion Ratio Lower Upper

94 100

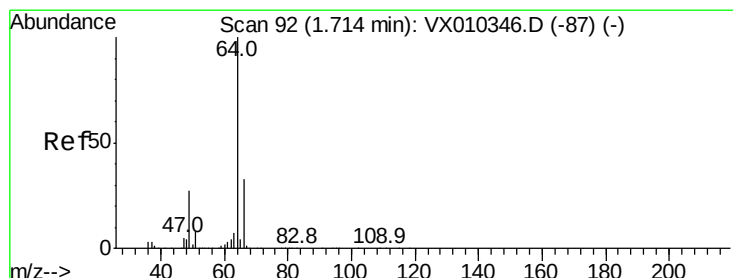
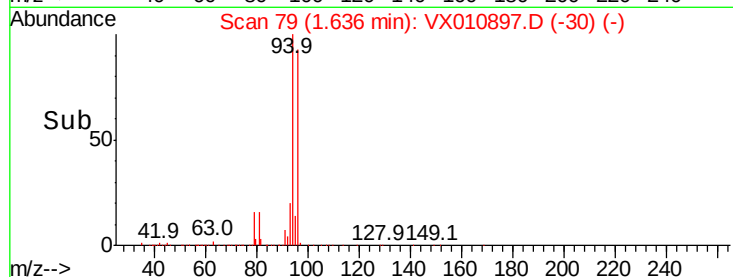
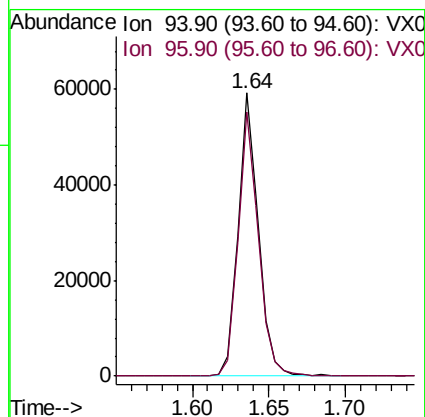
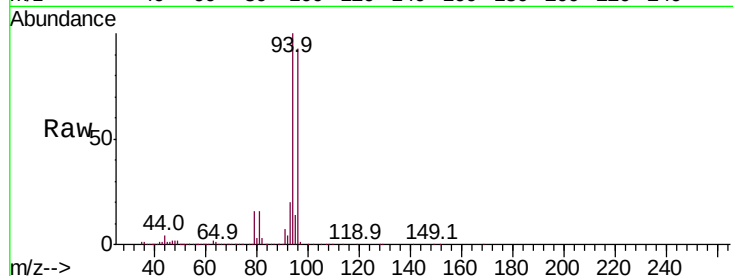
96 93.3 75.5 113.3

Manual Integrations

APPROVED

MMDadoda

7/16/2019 10:48:06 AM



#6

Chloroethane

Concen: 46.186 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010897.D

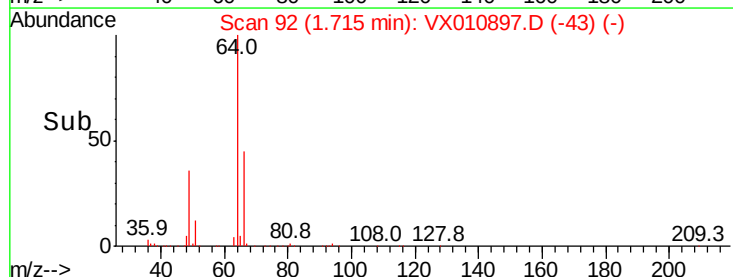
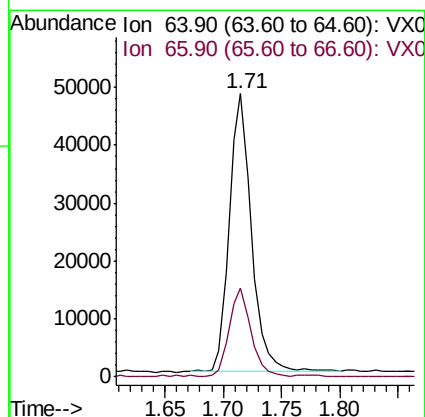
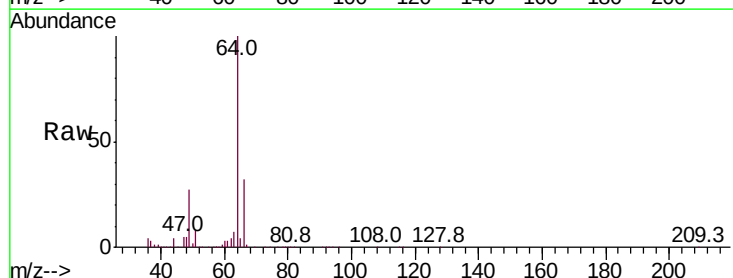
Acq: 15 Jul 2019 20:07

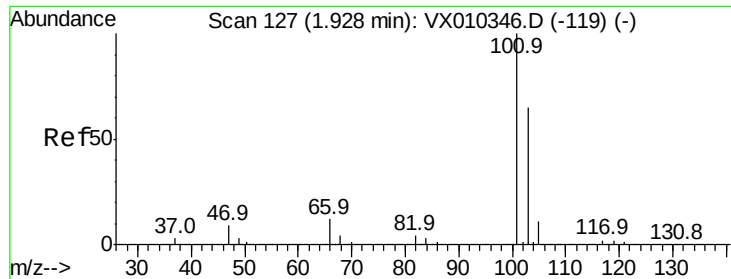
Tgt Ion: 64 Resp: 63293

Ion Ratio Lower Upper

64 100

66 31.8 26.6 40.0





#7

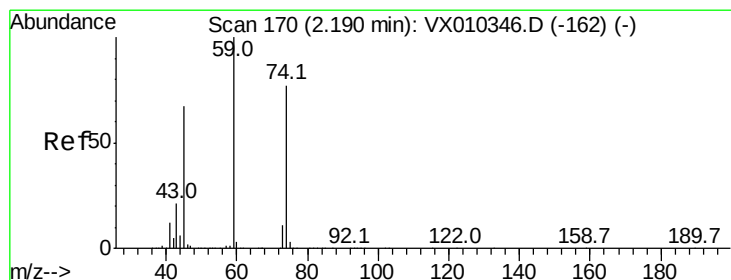
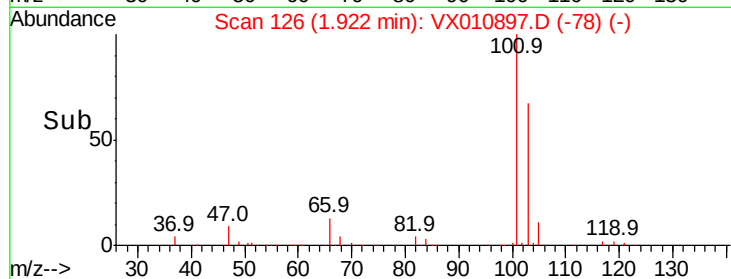
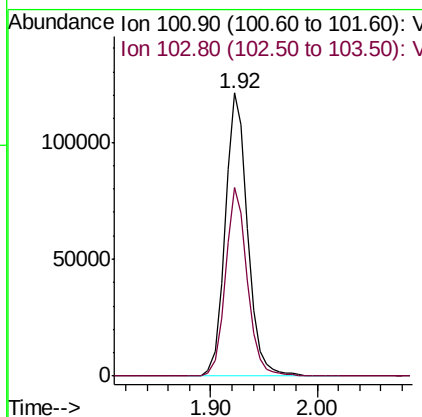
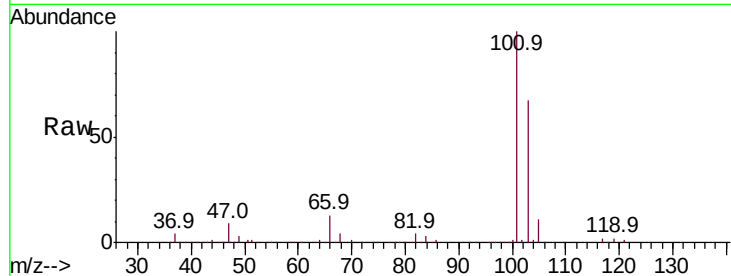
Trichlorofluoromethane
Concen: 48.191 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	52.3	78.5

Manual Integrations
APPROVED

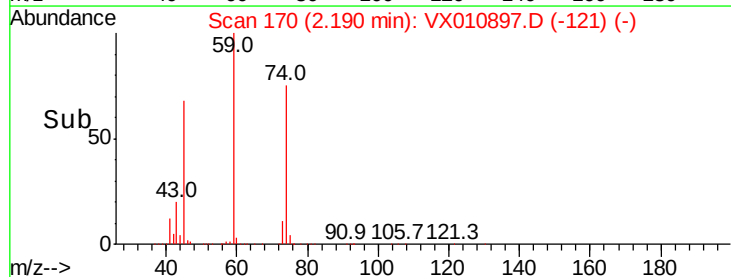
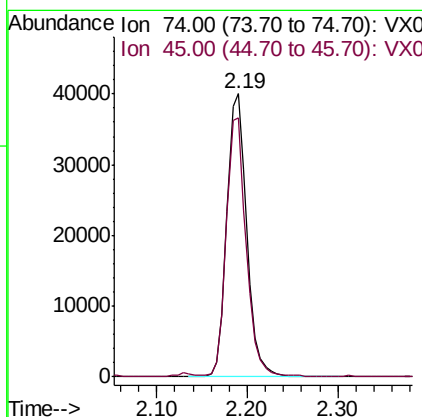
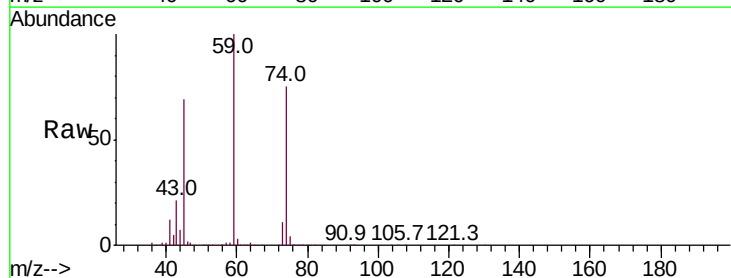
MMDadoda
7/16/2019 10:48:06 AM

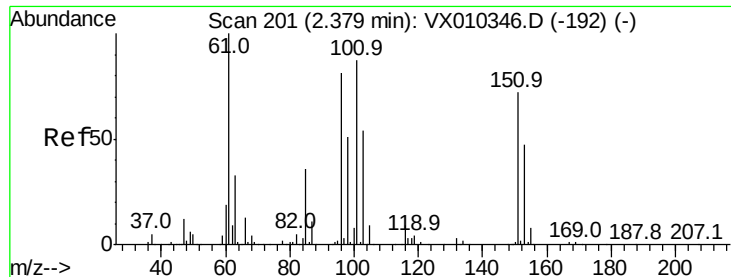


#8

Diethyl Ether
Concen: 46.272 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.6	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.942 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Instrument :

MSVOA_X

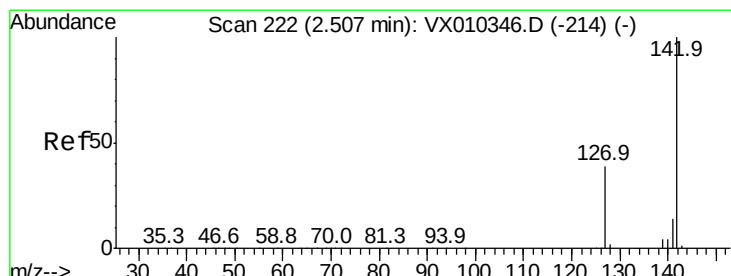
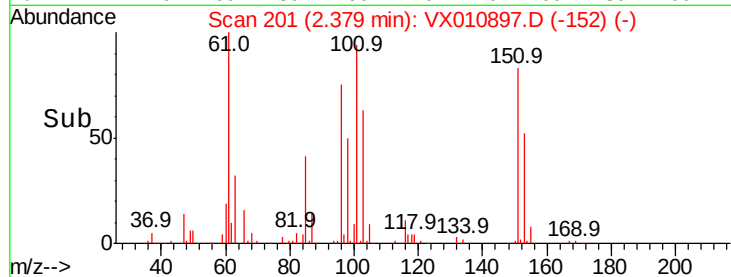
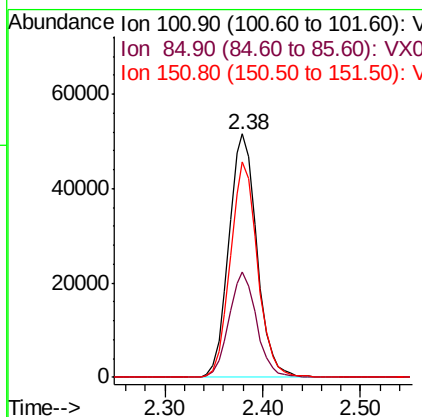
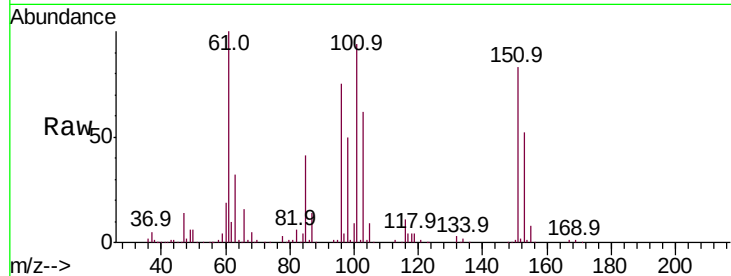
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	102514
Ion Ratio	Lower	Upper	
101	100		
85	42.7	33.7	50.5
151	86.0	70.1	105.1

Manual Integrations
APPROVED

MMDadoda
7/16/2019 10:48:06 AM



#10

Methyl Iodide

Concen: 42.539 ug/l

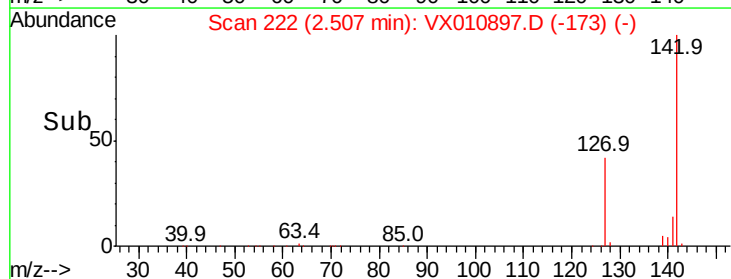
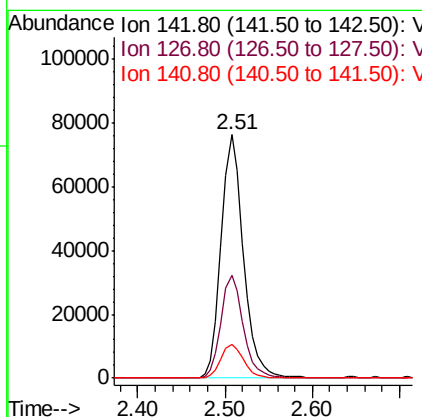
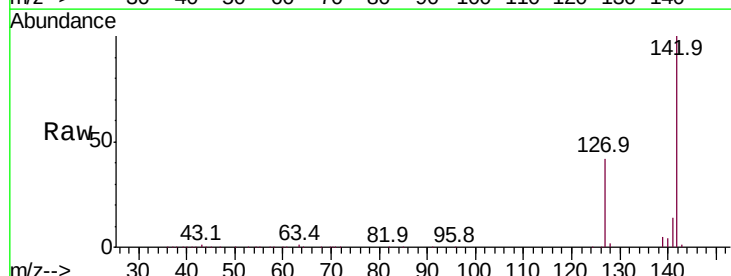
RT: 2.51 min Scan# 222

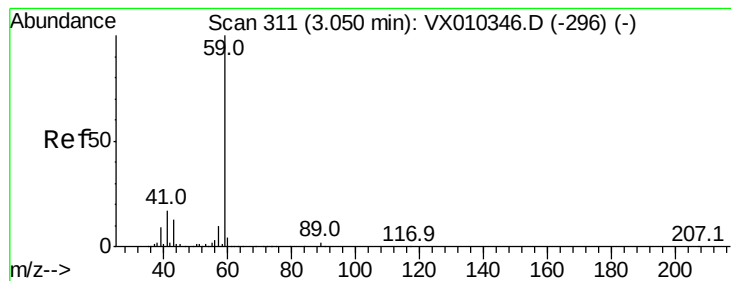
Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Tgt Ion:	142	Resp:	135464
Ion Ratio	Lower	Upper	
142	100		
127	42.3	31.1	46.7
141	14.4	11.2	16.8





#11

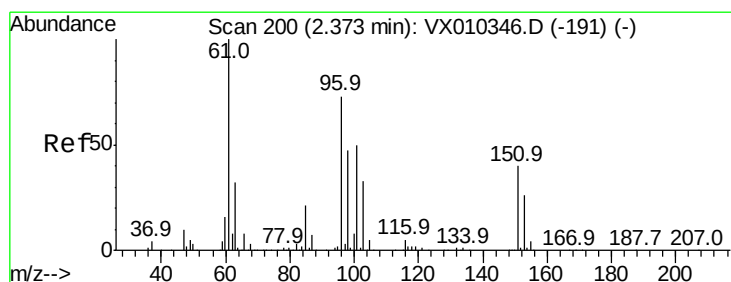
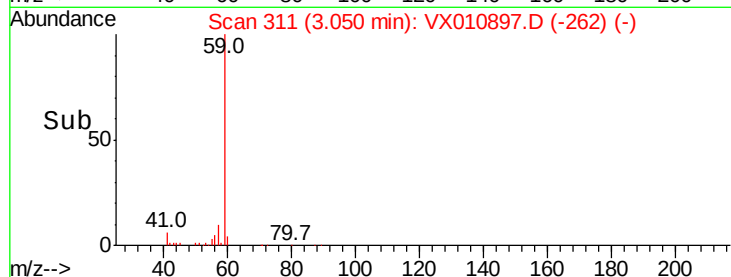
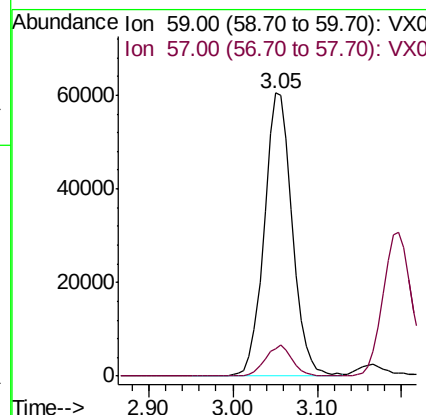
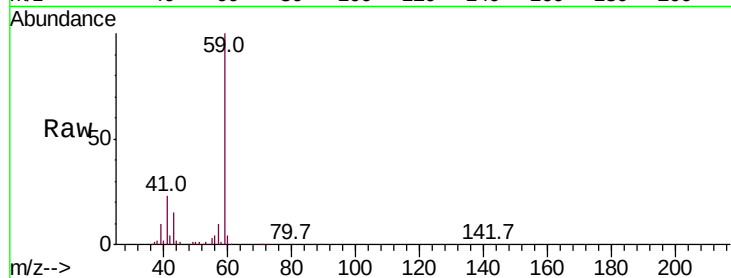
Tert butyl alcohol
Concen: 215.621 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	138575
Ion Ratio	100	Lower	Upper
57	10.6	7.7	11.5

Manual Integrations
APPROVED

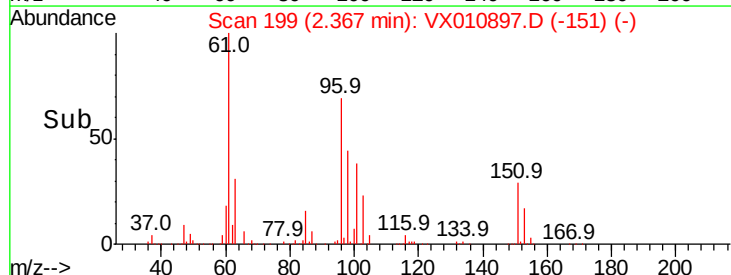
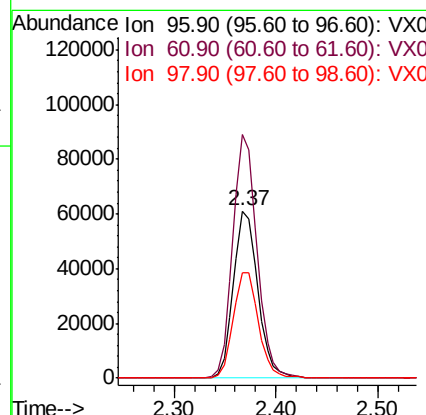
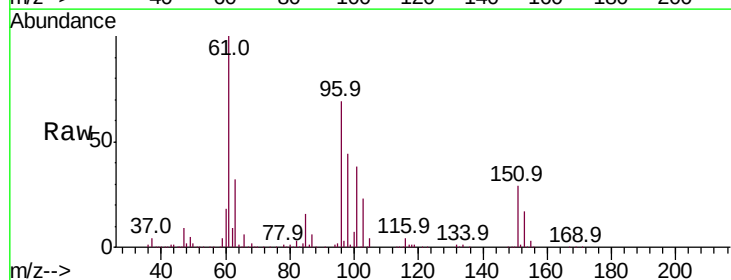
MMDadoda
7/16/2019 10:48:06 AM

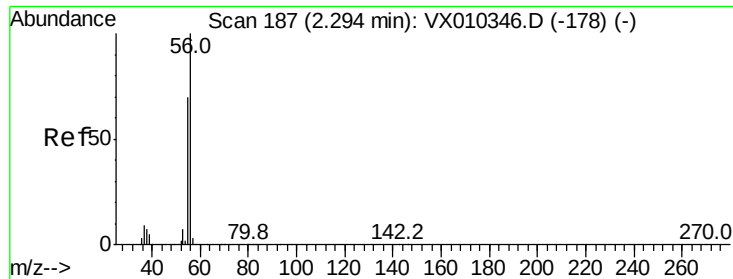


#12

1,1-Dichloroethene
Concen: 44.609 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Tgt Ion	96	Resp	101287
Ion Ratio	100	Lower	Upper
61	145.7	109.2	163.8
98	63.4	51.1	76.7





#13

Acrolein

Concen: 245.642 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 104726

Ion Ratio Lower Upper

56 100

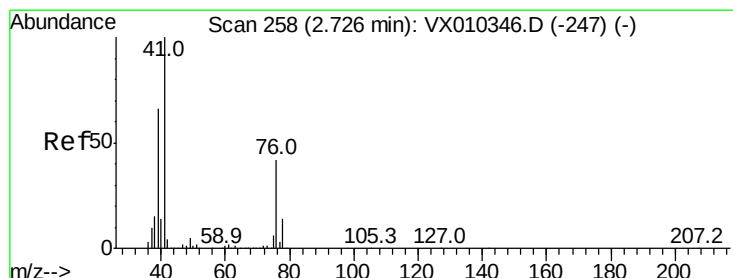
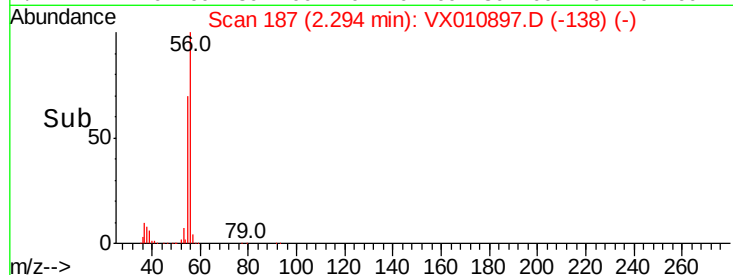
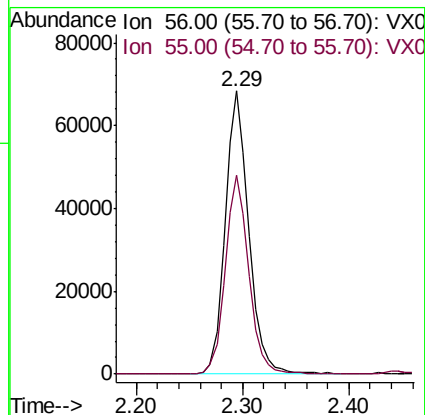
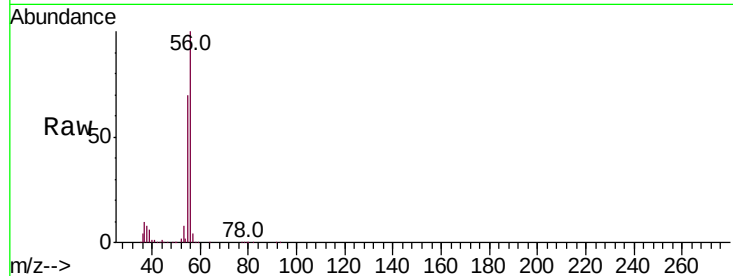
55 70.9 56.9 85.3

Manual Integrations

APPROVED

MMDadoda

7/16/2019 10:48:06 AM



#14

Allyl chloride

Concen: 47.472 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

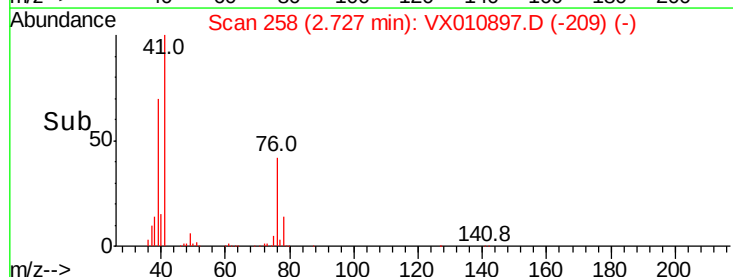
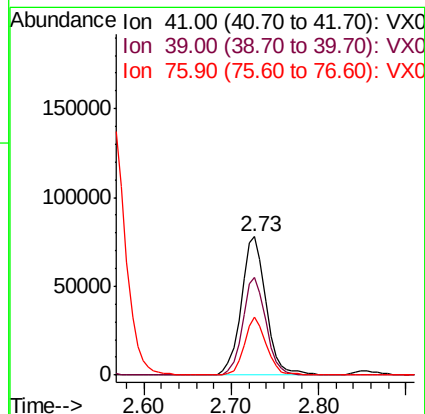
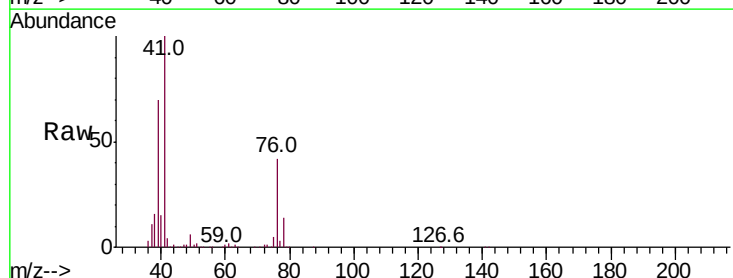
Tgt Ion: 41 Resp: 153029

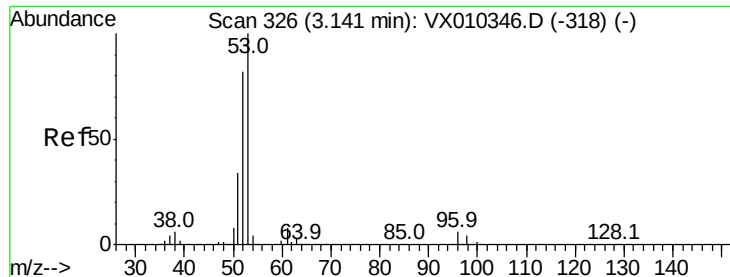
Ion Ratio Lower Upper

41 100

39 65.9 50.3 75.5

76 36.7 31.3 46.9





#15

Acrylonitrile

Concen: 239.352 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Instrument :

MSVOA_X

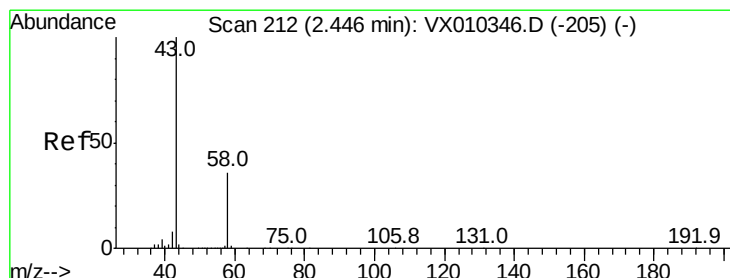
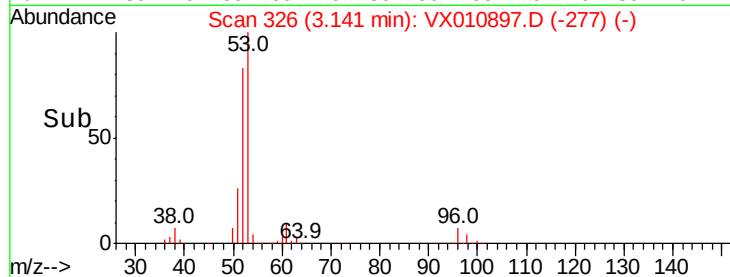
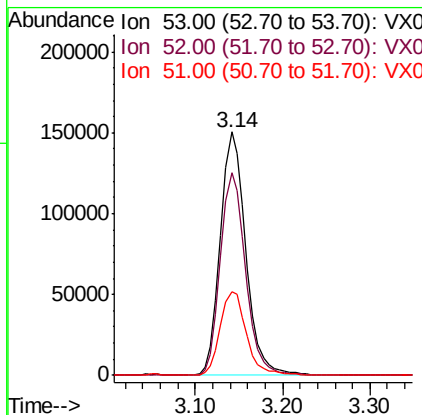
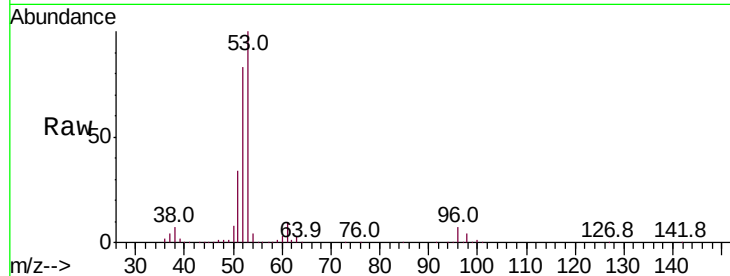
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	304559
Ion Ratio	Lower	Upper	
53	100		
52	82.6	65.5	98.3
51	35.2	28.2	42.4

Manual Integrations
APPROVED

MMDadoda
7/16/2019 10:48:06 AM



#16

Acetone

Concen: 204.177 ug/l

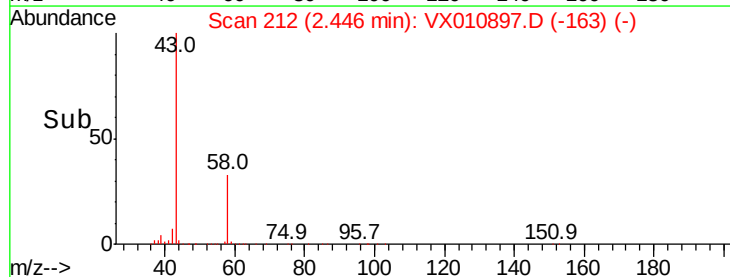
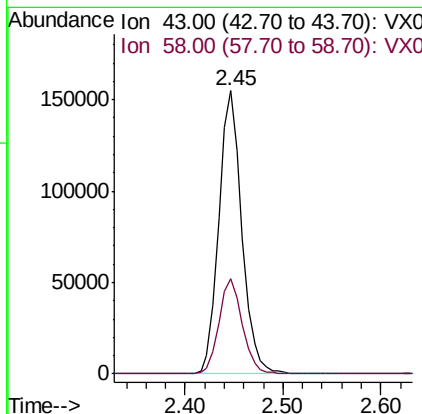
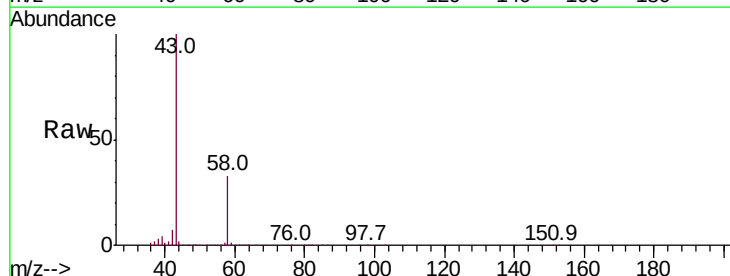
RT: 2.45 min Scan# 212

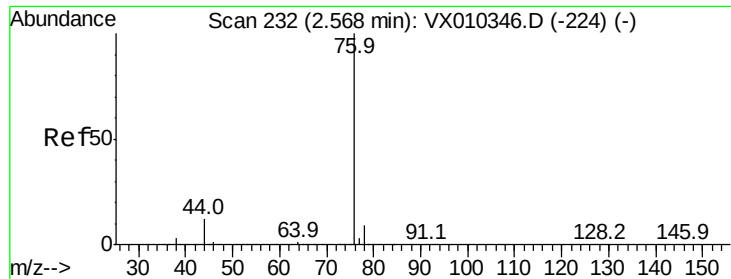
Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Tgt Ion:	43	Resp:	251325
Ion Ratio	Lower	Upper	
43	100		
58	33.5	28.9	43.3





#17

Carbon Disulfide

Concen: 38.801 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 236360

Ion Ratio Lower Upper

76 100

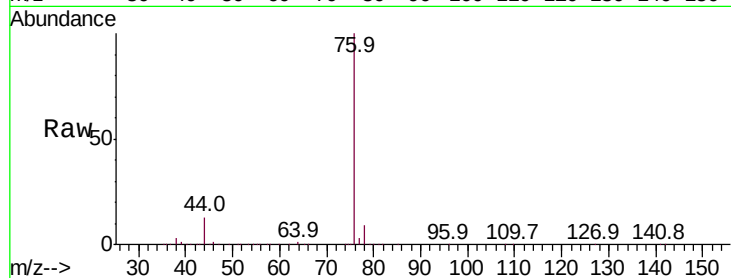
78 9.0 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

7/16/2019 10:48:06 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

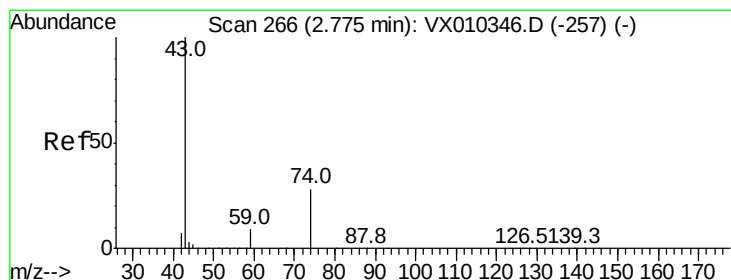
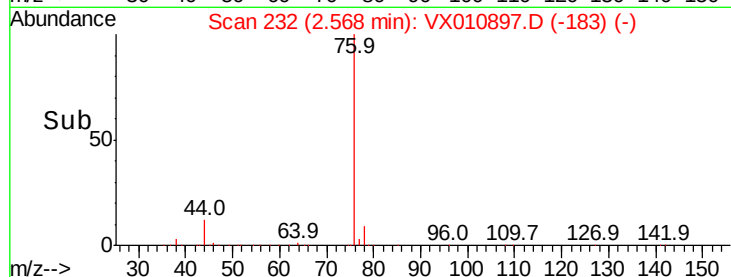
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 49.988 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010897.D

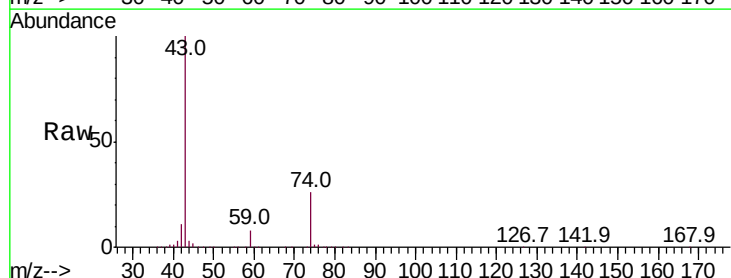
Acq: 15 Jul 2019 20:07

Tgt Ion: 43 Resp: 122635

Ion Ratio Lower Upper

43 100

74 25.8 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

80000

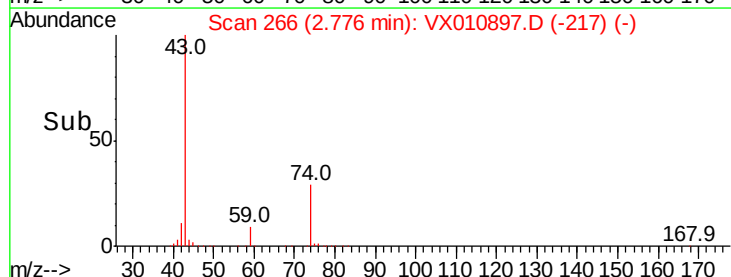
60000

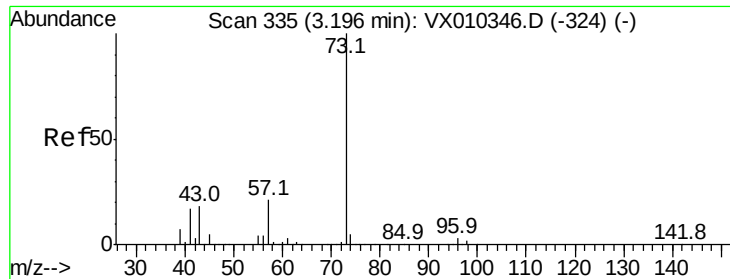
40000

20000

0

Time-->





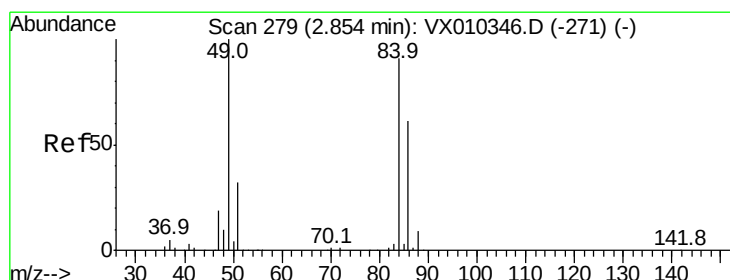
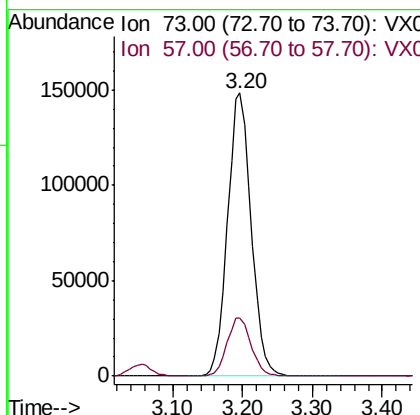
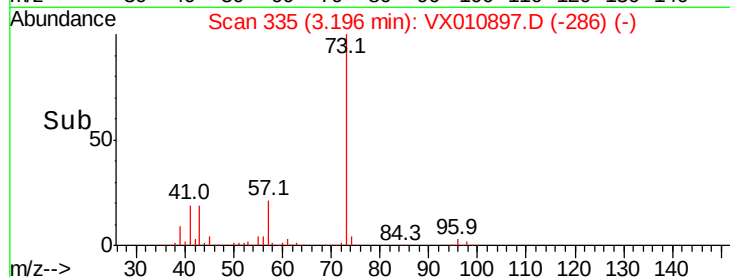
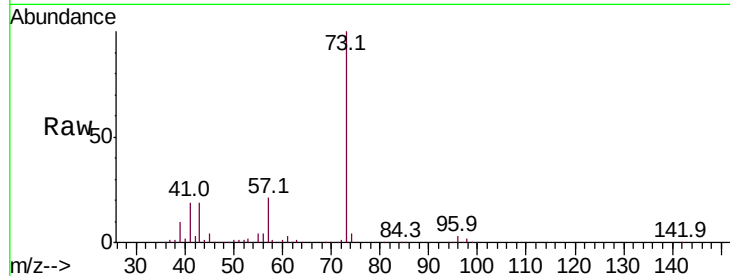
#19
Methyl tert-butyl Ether
Concen: 48.582 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 347024
Ion Ratio Lower Upper
73 100
57 20.6 16.4 24.6

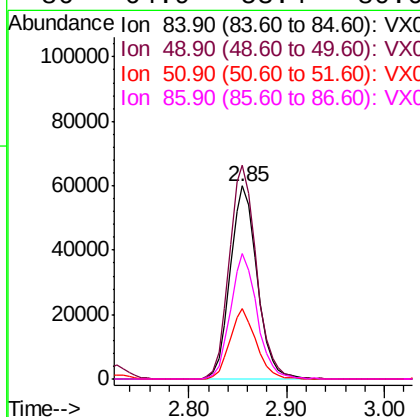
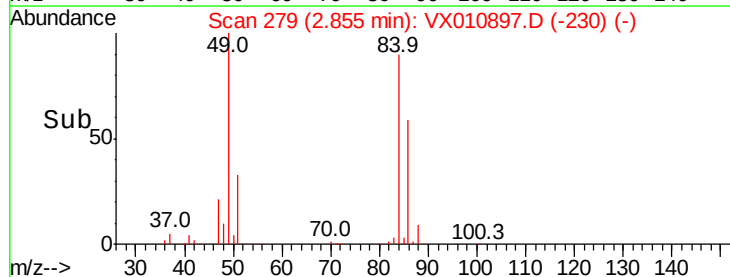
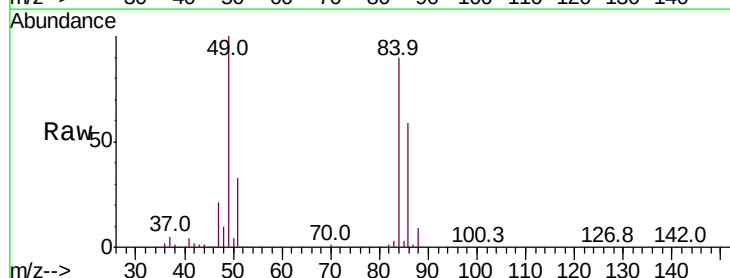
Manual Integrations
APPROVED

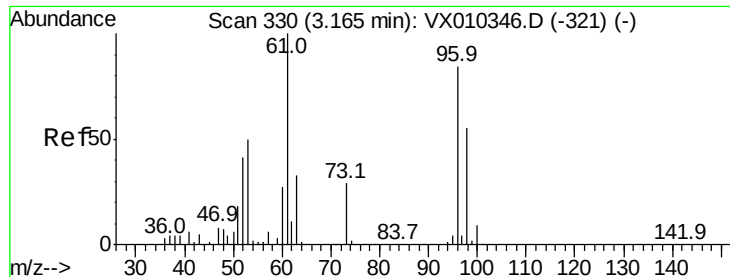
MMDadoda
7/16/2019 10:48:06 AM



#20
Methylene Chloride
Concen: 45.229 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Tgt Ion: 84 Resp: 114573
Ion Ratio Lower Upper
84 100
49 110.6 87.5 131.3
51 36.4 27.7 41.5
86 64.9 53.4 80.0





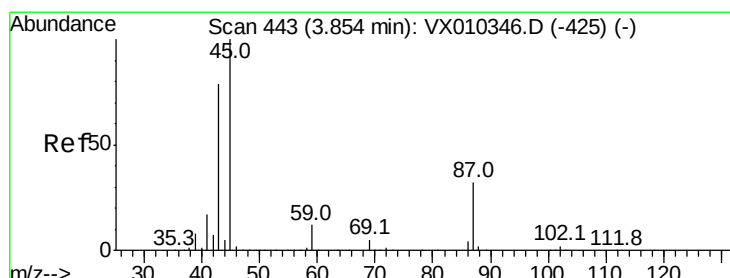
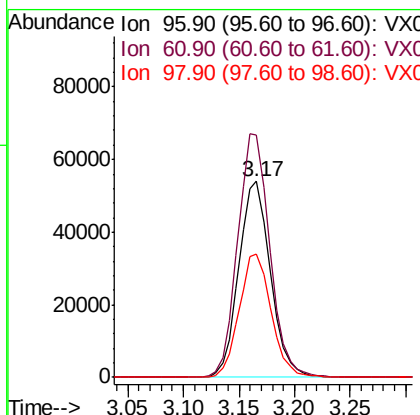
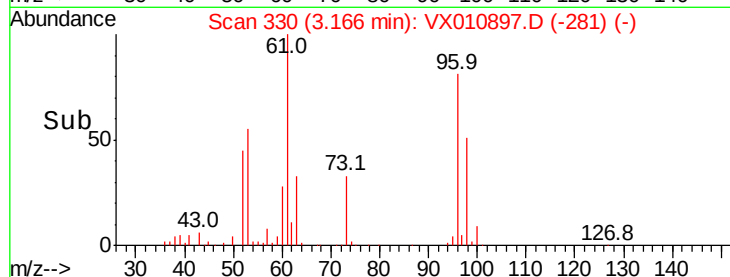
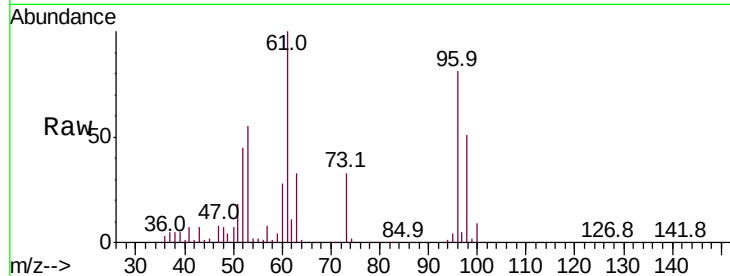
#21
trans-1,2-Dichloroethene
Concen: 43.724 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	96	Resp:	106775
Ion	Ratio	Lower	Upper
96	100		
61	123.8	95.6	143.4
98	62.9	52.5	78.7

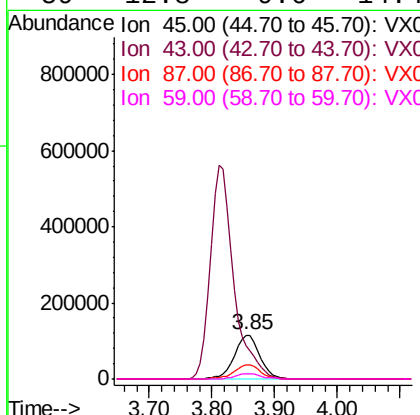
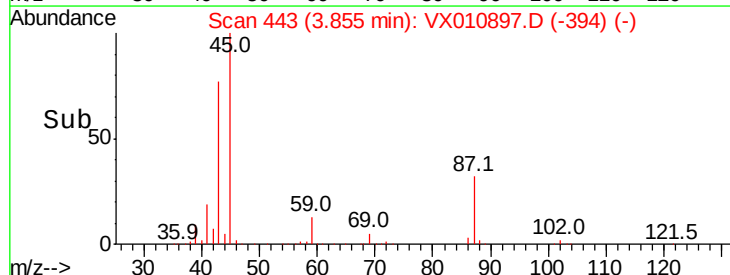
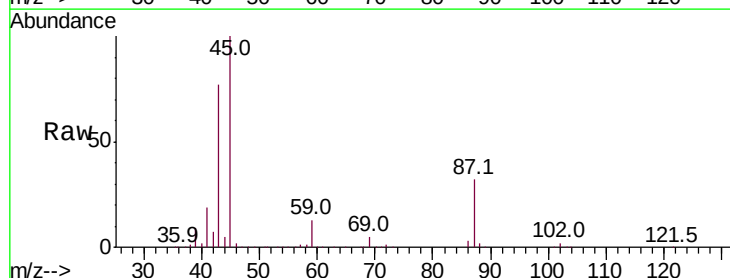
Manual Integrations
APPROVED

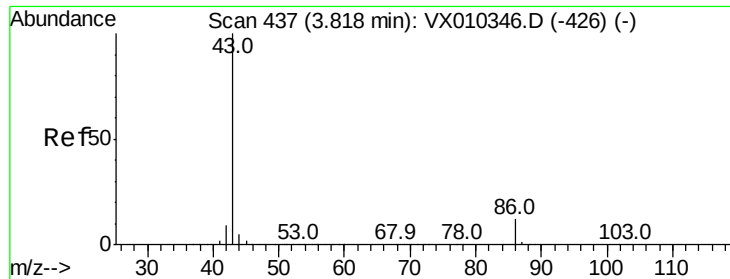
MMDadoda
7/16/2019 10:48:06 AM



#22
Diisopropyl ether
Concen: 48.028 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Tgt Ion:	45	Resp:	323694
Ion	Ratio	Lower	Upper
45	100		
43	76.4	63.3	94.9
87	32.4	25.8	38.8
59	12.8	9.6	14.4





#23

Vinyl Acetate

Concen: 249.526 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Tot Ion: 43 Resp: 1452837

Ion Ratio Lower Upper

43 100

86 11.3 9.9 14.9

Instrument :

MSVOA_X

ClientSampleId :

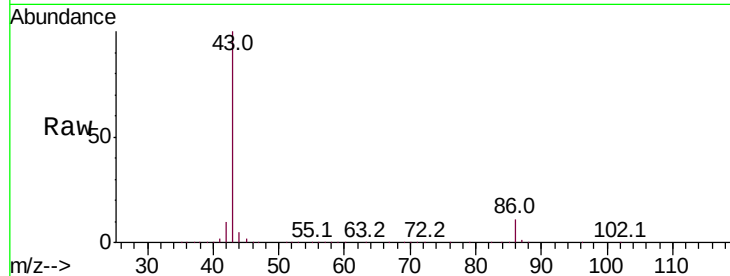
VSTDCCC050EC

Manual Integrations

APPROVED

MMDadoda

7/16/2019 10:48:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

600000

500000

400000

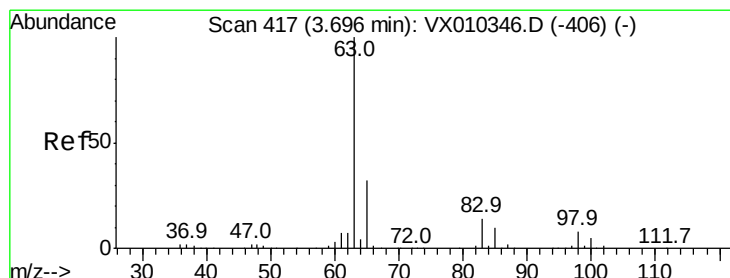
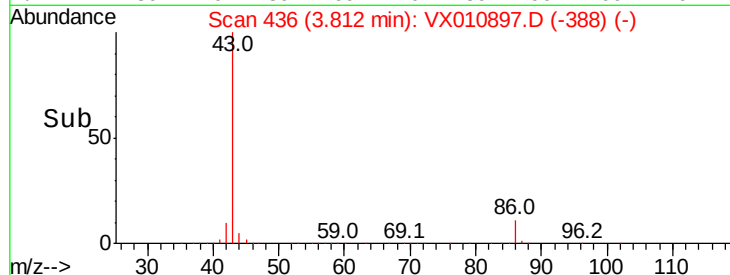
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.524 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

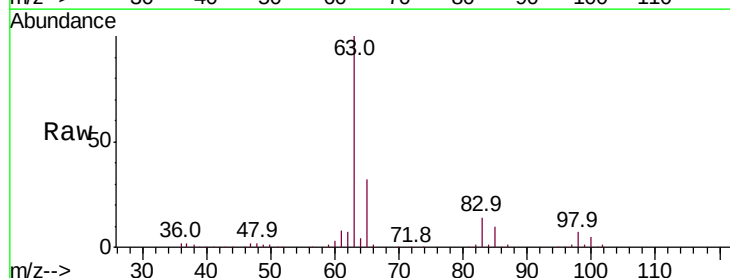
Tgt Ion: 63 Resp: 185143

Ion Ratio Lower Upper

63 100

98 6.9 3.9 11.7

100 4.7 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

100000

80000

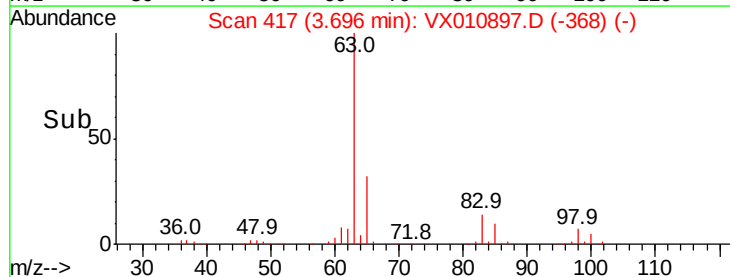
60000

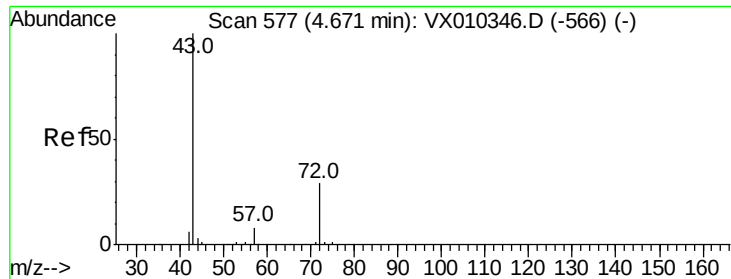
40000

20000

0

Time-->





#25

2-Butanone

Concen: 231.269 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 417579

Ion Ratio Lower Upper

43 100

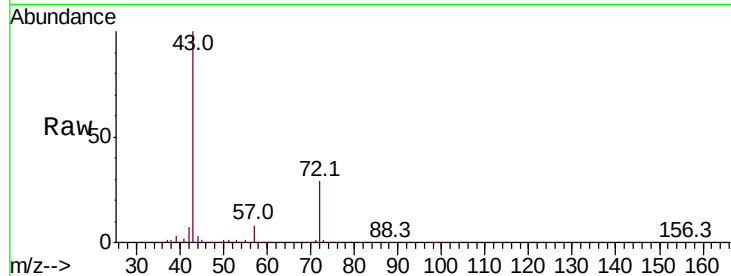
72 28.6 23.3 34.9

Manual Integrations

APPROVED

MMDadoda

7/16/2019 10:48:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

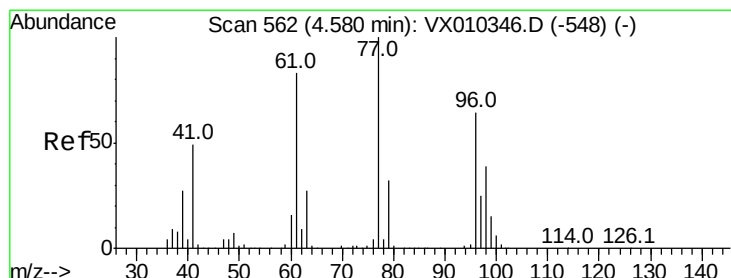
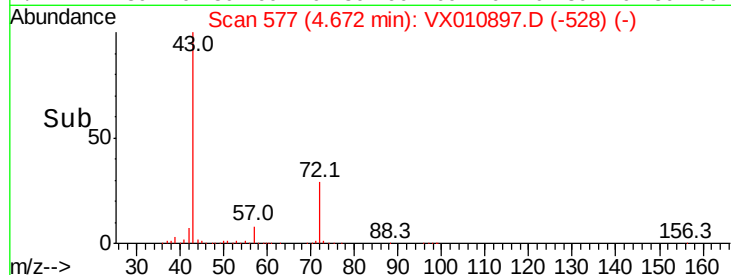
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 41.629 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010897.D

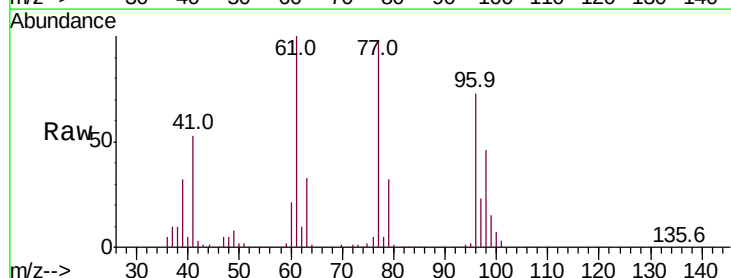
Acq: 15 Jul 2019 20:07

Tgt Ion: 77 Resp: 140882

Ion Ratio Lower Upper

77 100

97 24.8 13.1 39.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

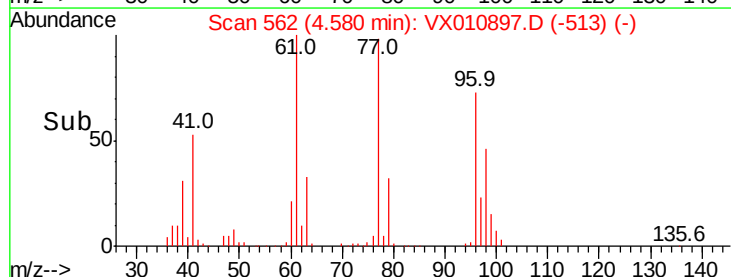
20000

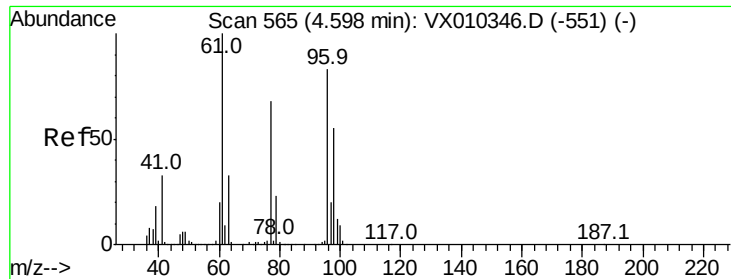
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

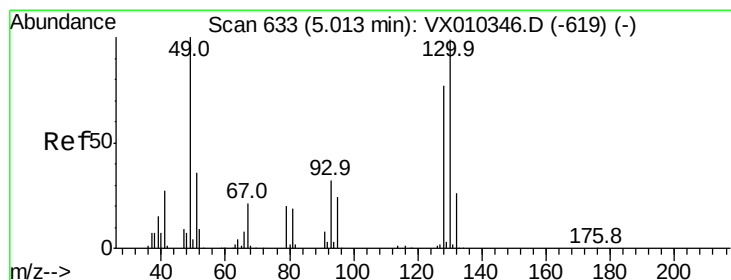
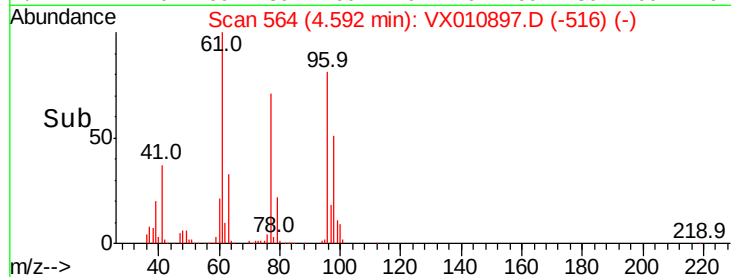
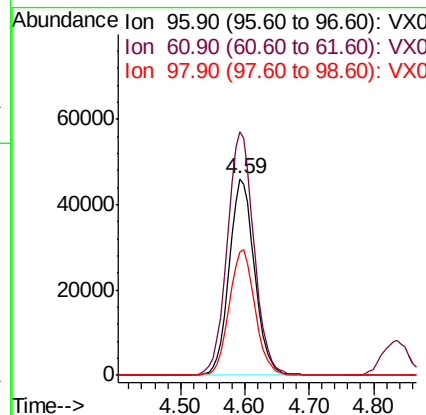
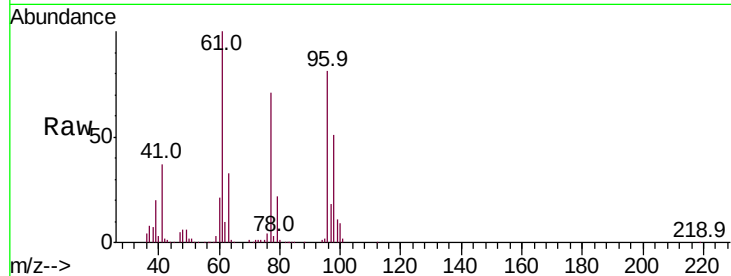
cis-1,2-Dichloroethene
 Concen: 45.461 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX010897.D
 Acq: 15 Jul 2019 20:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	128290		
61	130.6	0.0	251.8	
98	64.9	0.0	129.4	

Manual Integrations
 APPROVED

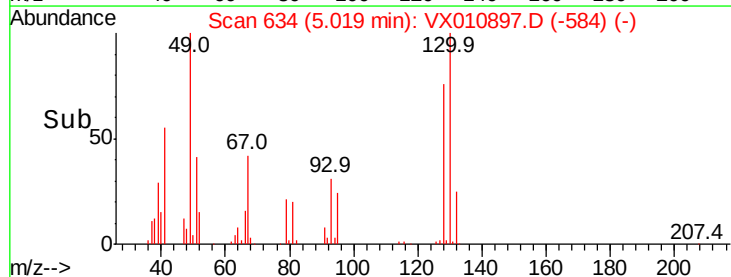
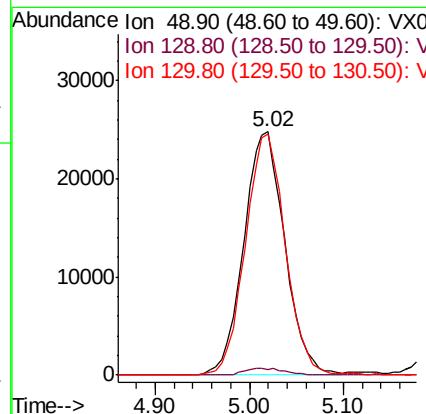
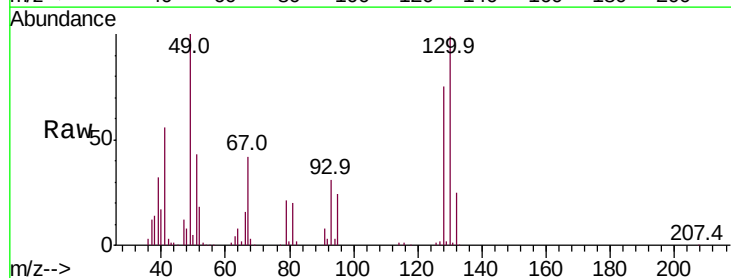
MMDadoda
 7/16/2019 10:48:06 AM

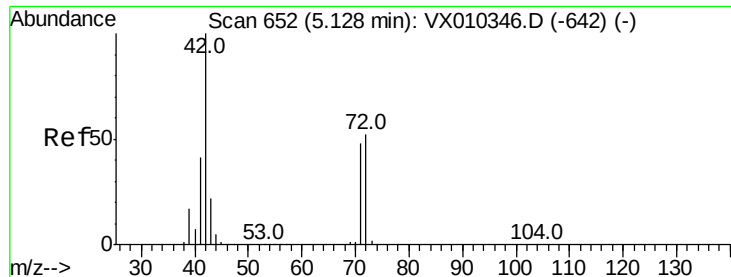


#28

Bromochloromethane
 Concen: 40.317 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX010897.D
 Acq: 15 Jul 2019 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	75097		
129	2.8	0.0	5.6	
130	96.8	81.4	122.0	





#29

Tetrahydrofuran

Concen: 235.754 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Instrument :

MSVOA_X

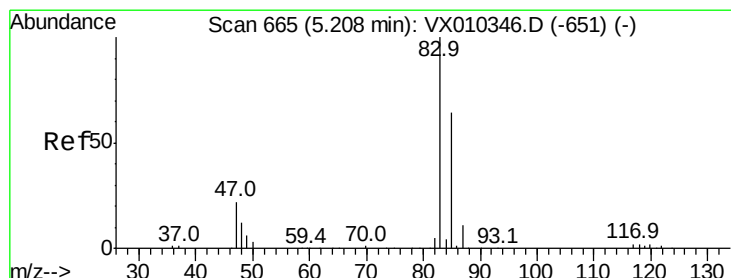
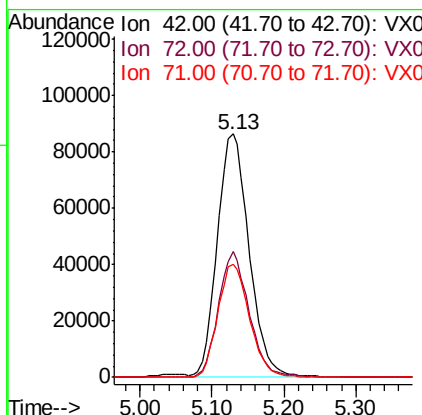
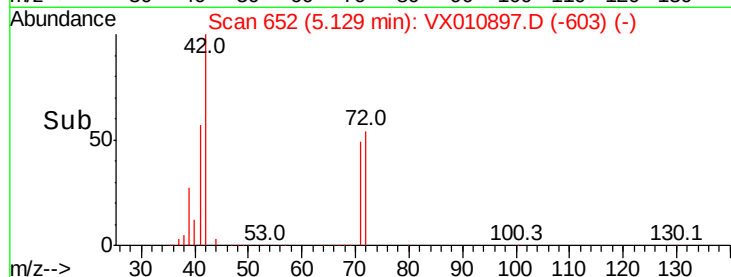
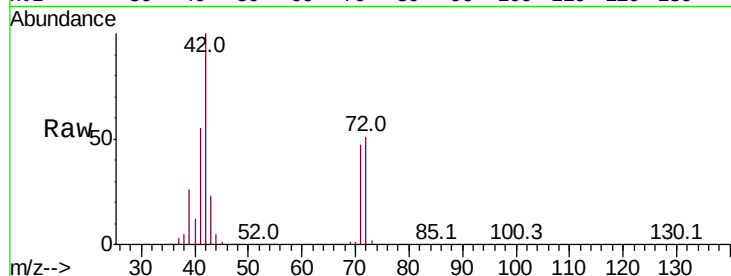
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	263668
Ion Ratio	Lower	Upper	
42	100		
72	50.3	40.6	60.8
71	46.8	37.8	56.8

Manual Integrations
APPROVED

MMDadoda
7/16/2019 10:48:06 AM



#30

Chloroform

Concen: 47.930 ug/l

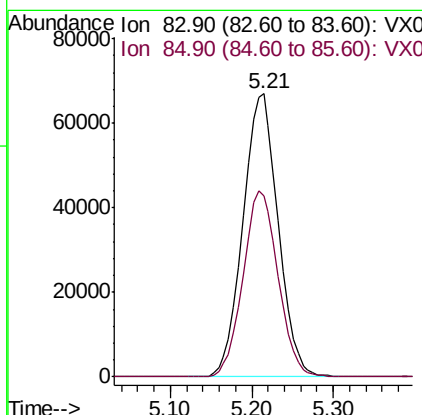
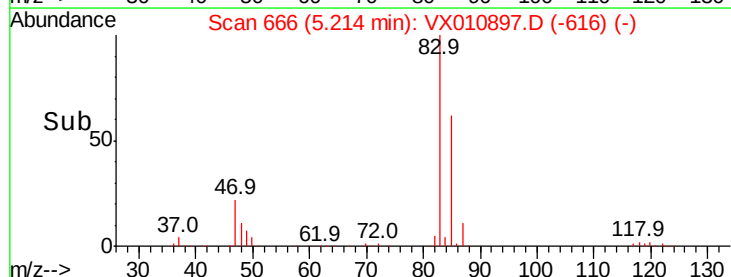
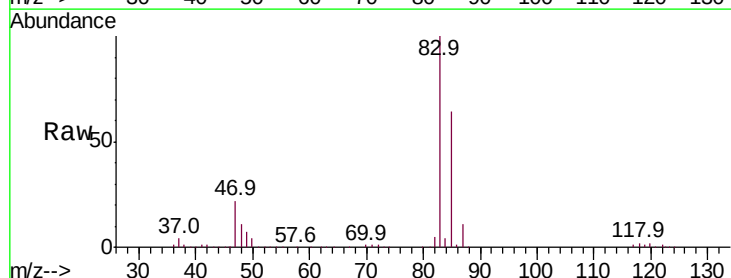
RT: 5.21 min Scan# 666

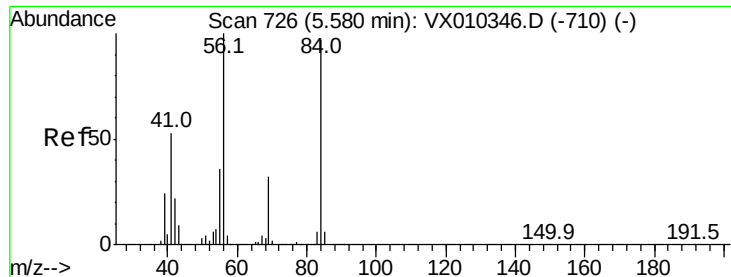
Delta R.T. 0.01 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Tgt Ion:	83	Resp:	200907
Ion Ratio	Lower	Upper	
83	100		
85	63.9	50.9	76.3





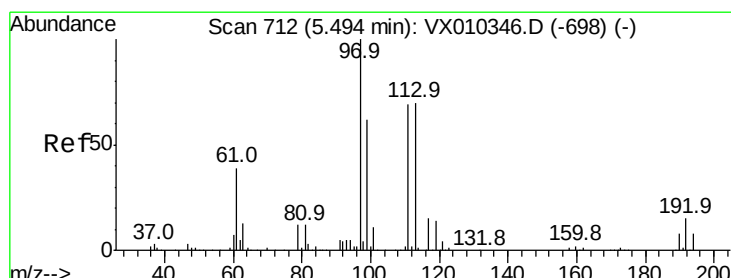
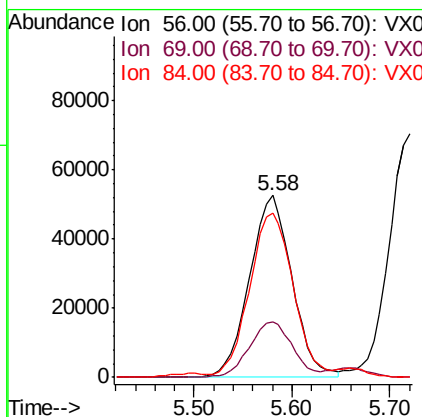
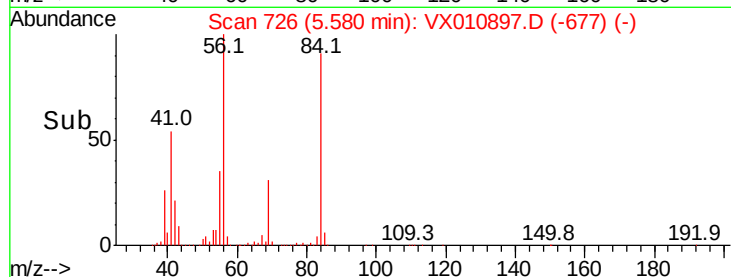
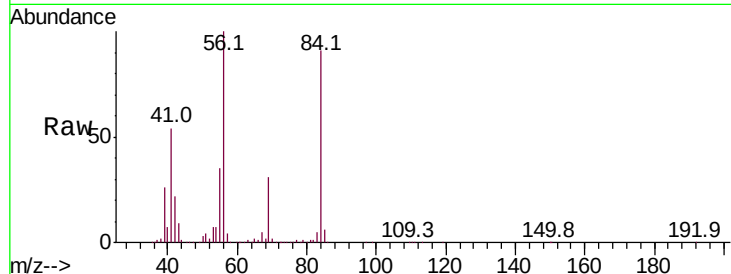
#31
Cyclohexane
Concen: 44.659 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	25.9	38.9
84	88.5	78.0	117.0

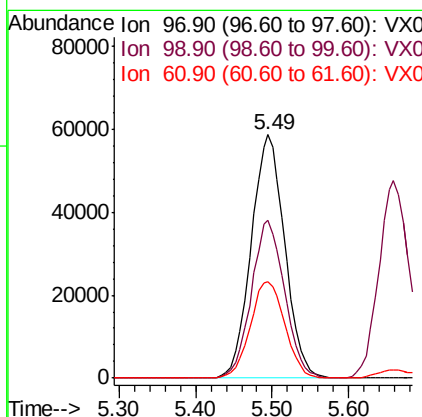
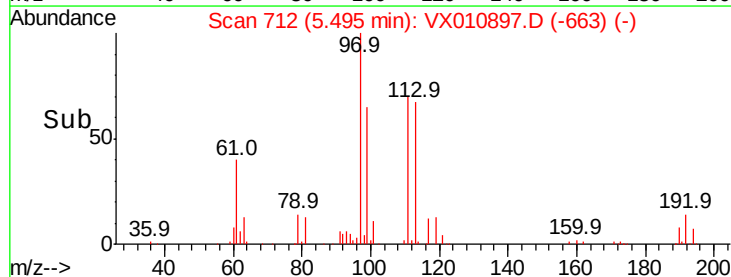
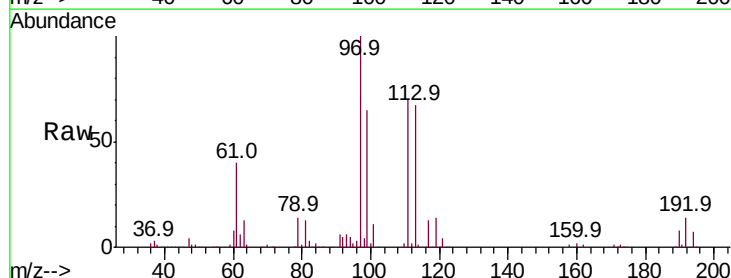
Manual Integrations
APPROVED

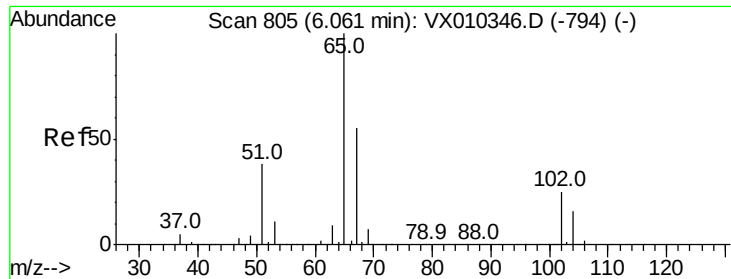
MMDadoda
7/16/2019 10:48:06 AM



#32
1,1,1-Trichloroethane
Concen: 48.397 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.8	77.8
61	40.9	32.1	48.1





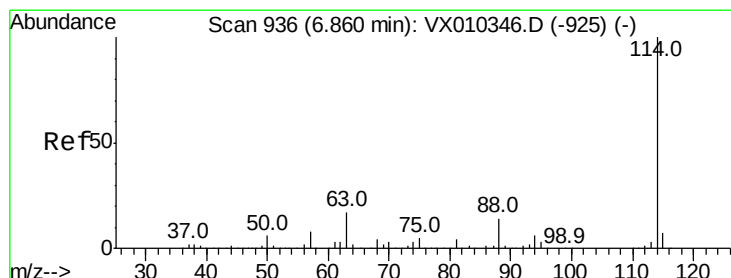
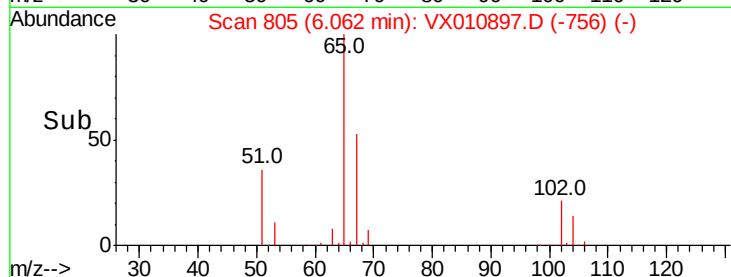
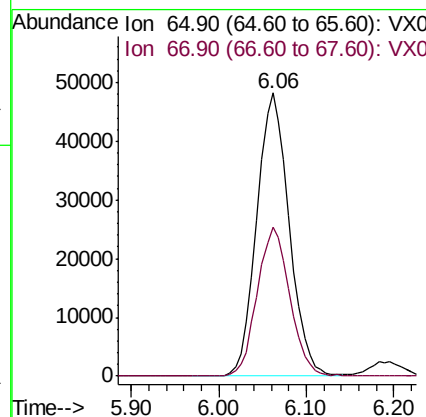
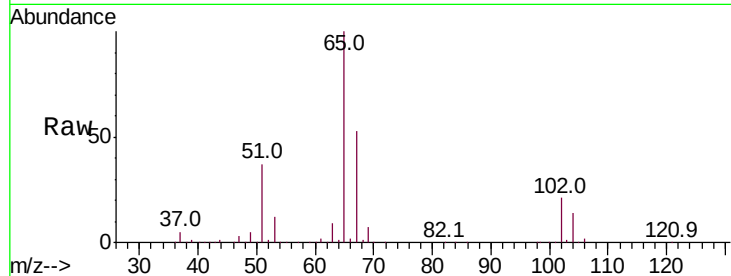
#33
 1,2-Dichloroethane-d4
 Concen: 50.710 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010897.D
 Acq: 15 Jul 2019 20:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	110.2

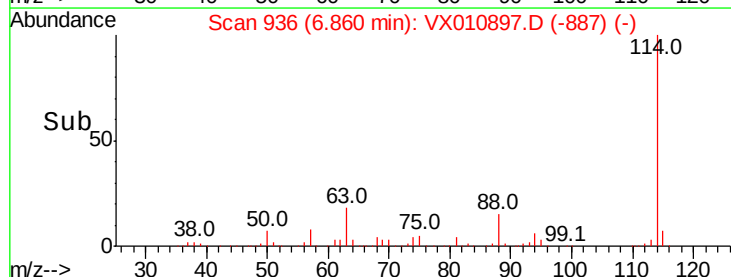
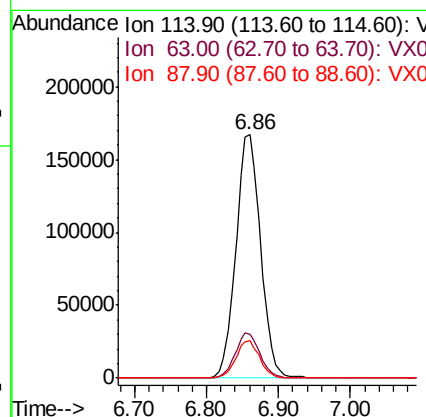
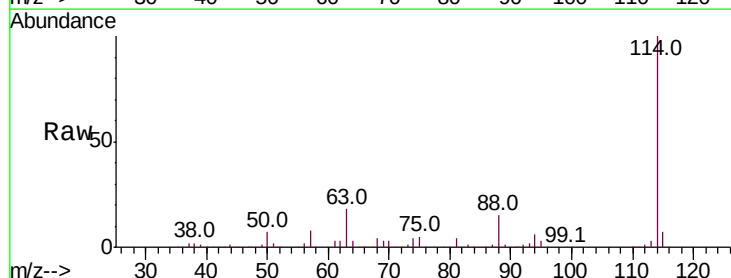
Manual Integrations
 APPROVED

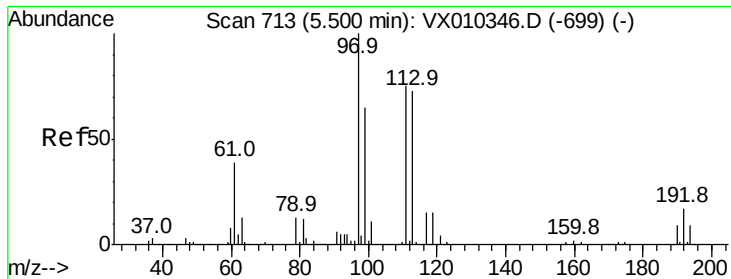
MMDadoda
 7/16/2019 10:48:06 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010897.D
 Acq: 15 Jul 2019 20:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	33.8
88	15.3	0.0	27.6





#35

Dibromofluoromethane

Concen: 47.827 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Instrument :

MSVOA_X

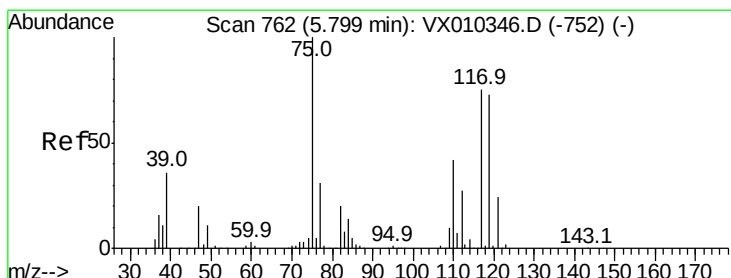
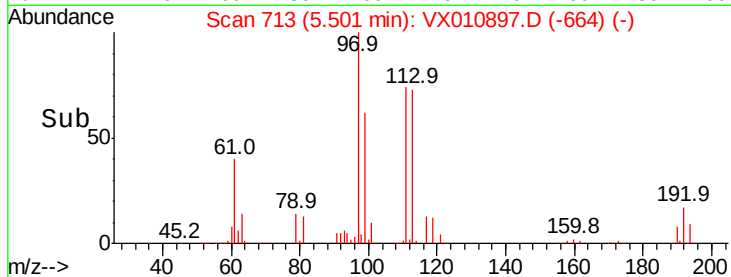
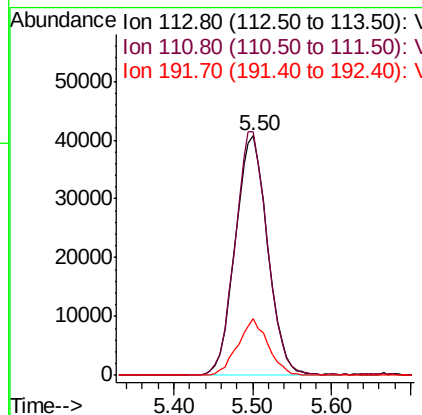
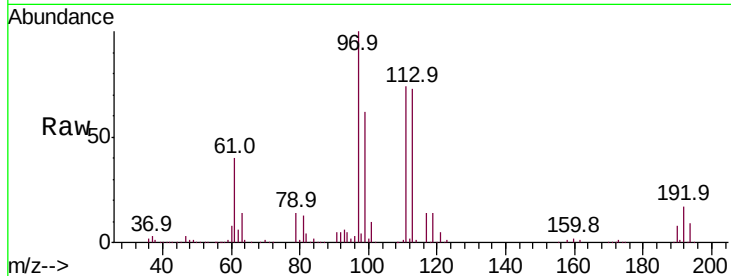
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	116434
Ion Ratio	Lower	Upper	
113	100		
111	101.2	81.2	121.8
192	22.1	18.6	27.8

Manual Integrations
APPROVED

MMDadoda
7/16/2019 10:48:06 AM



#36

1,1-Dichloropropene

Concen: 45.412 ug/l

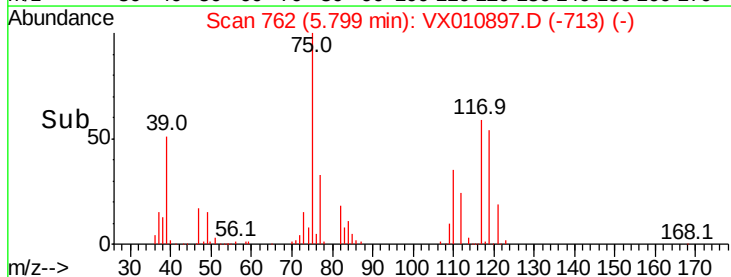
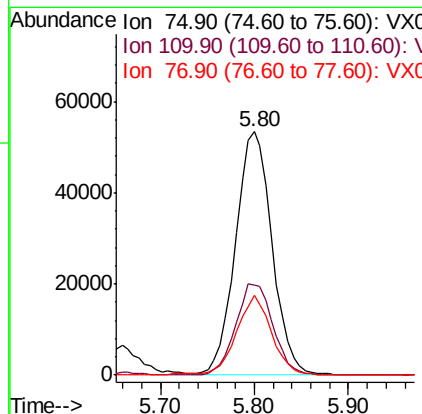
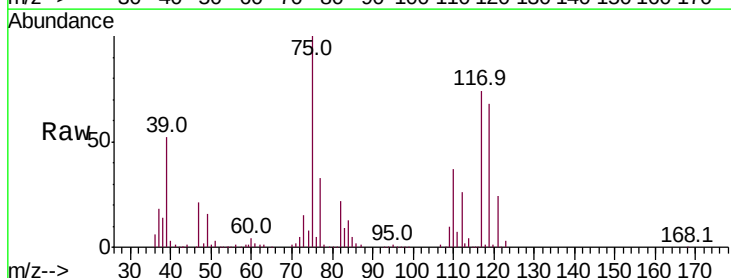
RT: 5.80 min Scan# 762

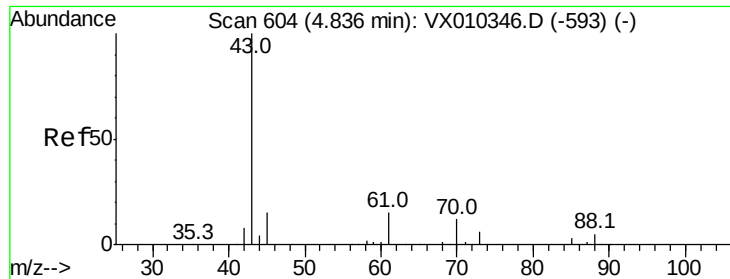
Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Tgt Ion:	75	Resp:	143589
Ion Ratio	Lower	Upper	
75	100		
110	38.6	20.8	62.2
77	31.8	25.4	38.0





#37

Ethyl Acetate

Concen: 48.338 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Instrument :

MSVOA_X

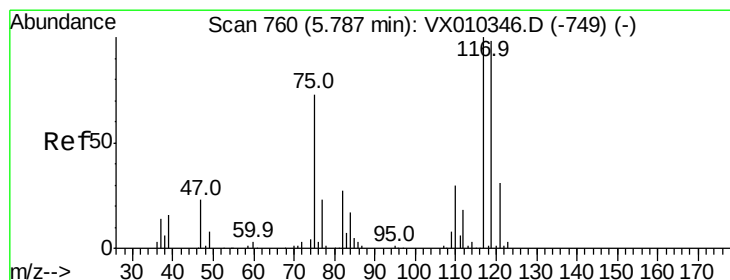
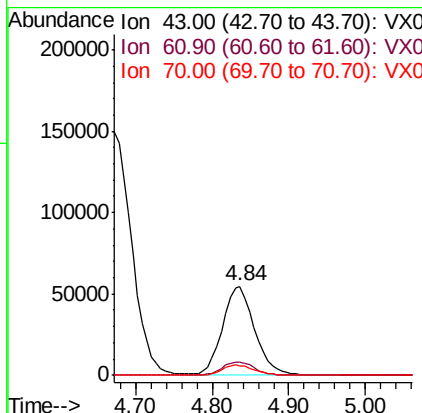
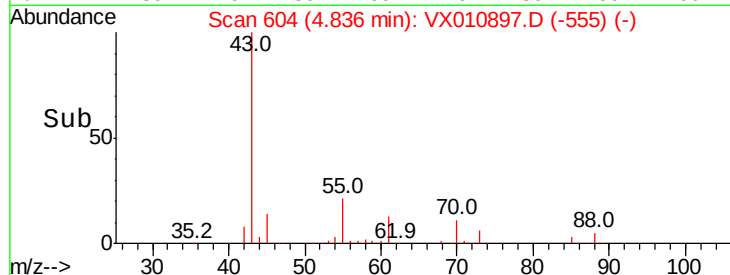
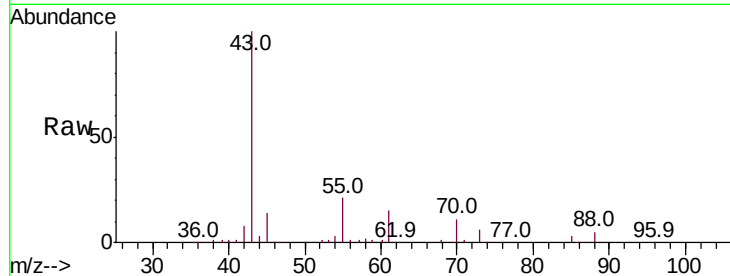
ClientSampleId :

VSTDCCC050EC

Tot Ion	43	Resp	157238
Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.4	18.6
70	11.8	9.8	14.8

Manual Integrations
APPROVED

MMDadoda
7/16/2019 10:48:06 AM



#38

Carbon Tetrachloride

Concen: 45.501 ug/l

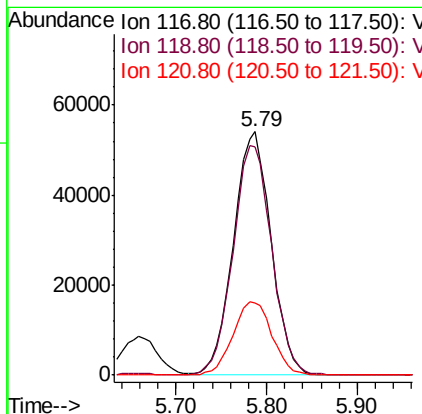
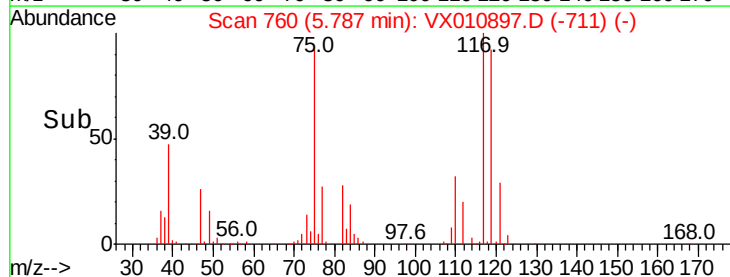
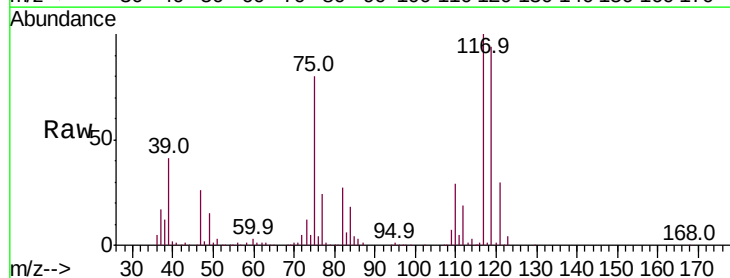
RT: 5.79 min Scan# 760

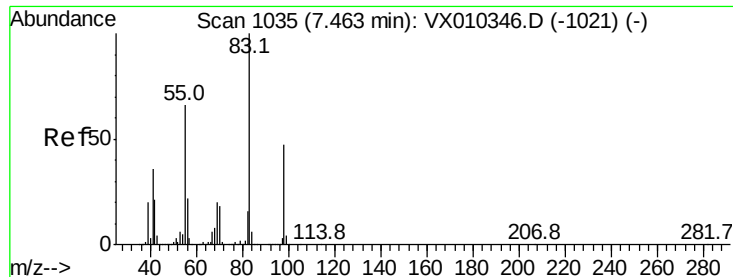
Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Tgt Ion	117	Resp	155794
Ion	Ratio	Lower	Upper
117	100		
119	93.6	78.2	117.4
121	29.6	24.7	37.1





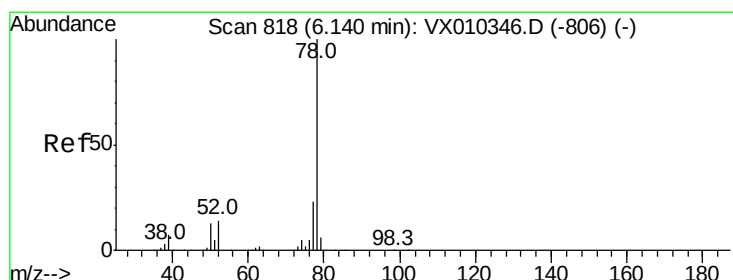
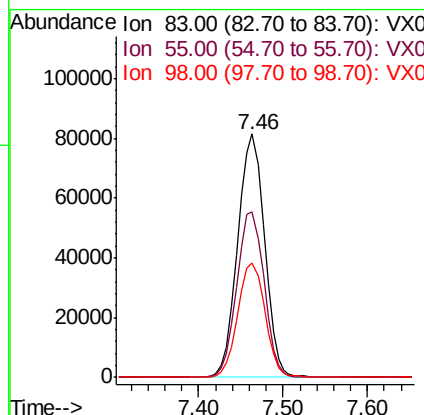
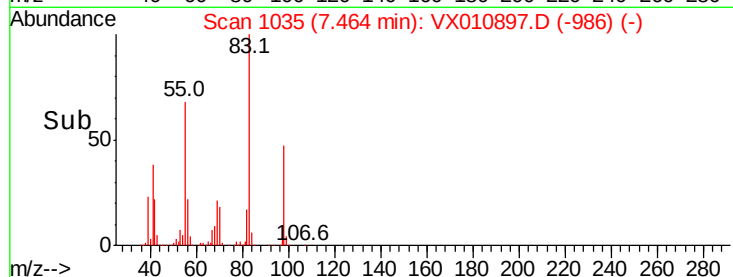
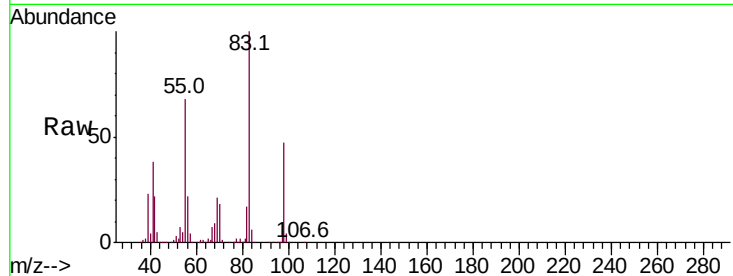
#39
Methylvlcyclohexane
Concen: 42.131 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.8	53.0	79.6
98	46.7	37.8	56.8

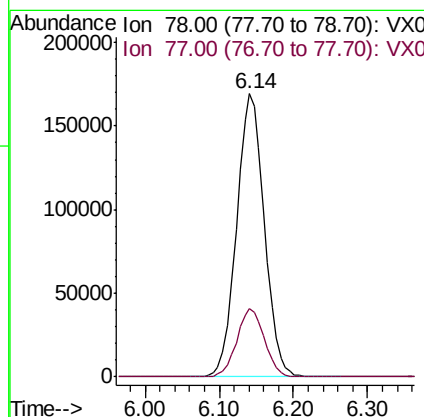
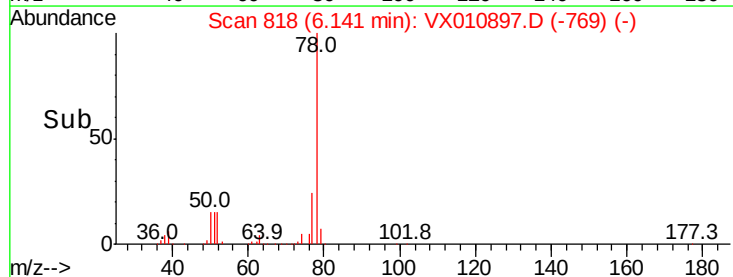
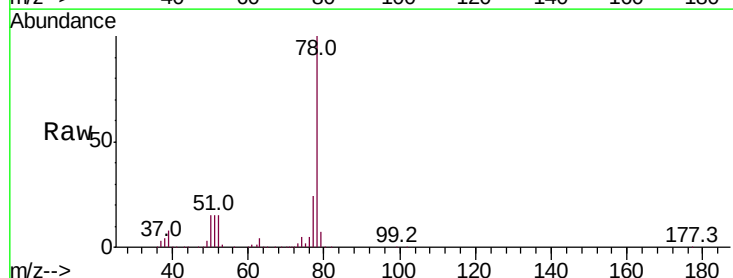
Manual Integrations
APPROVED

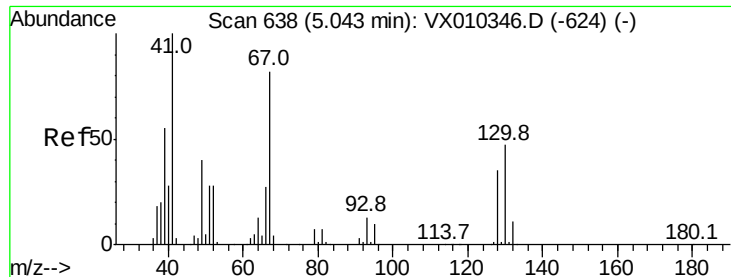
MMDadoda
7/16/2019 10:48:06 AM



#40
Benzene
Concen: 44.714 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.6	28.0





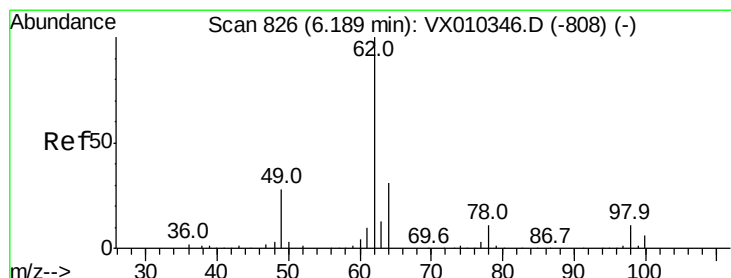
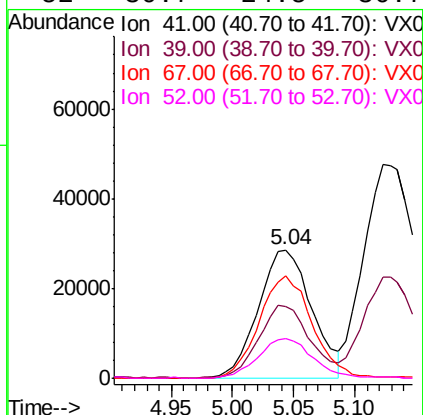
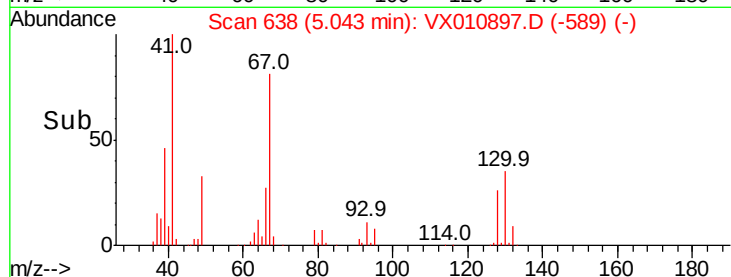
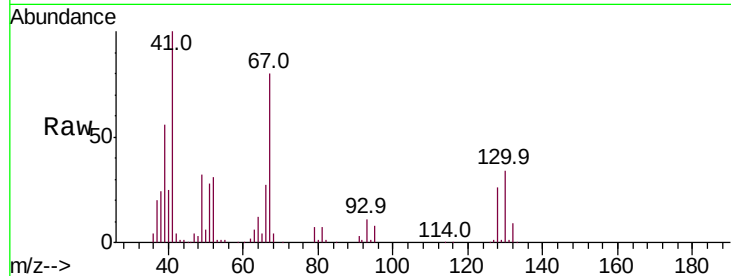
#41
Methacrylonitrile
Concen: 48.619 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.0	43.8	65.8	
67	80.0	66.6	100.0	
52	30.7	24.5	36.7	

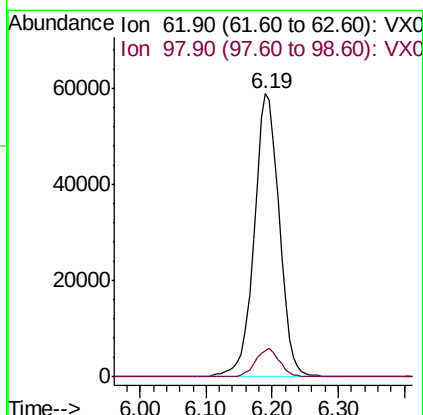
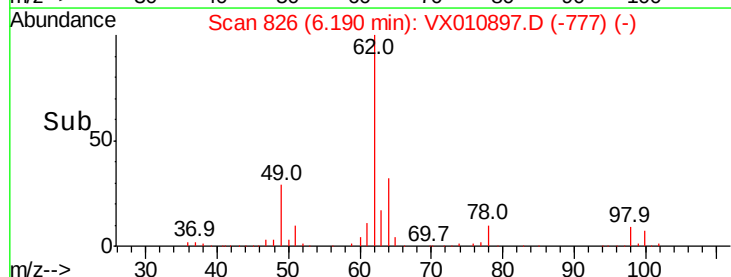
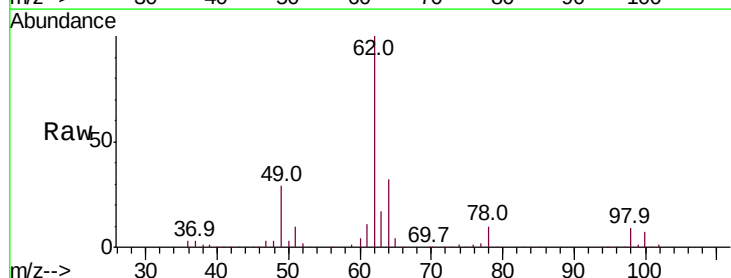
Manual Integrations
APPROVED

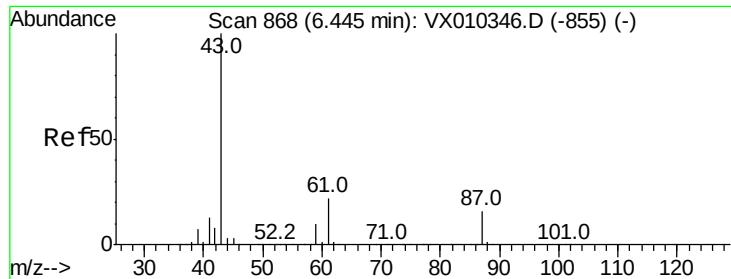
MMDadoda
7/16/2019 10:48:06 AM



#42
1,2-Dichloroethane
Concen: 51.988 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	22.2	





#43

Isopropyl Acetate

Concen: 48.041 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Instrument :

MSVOA_X

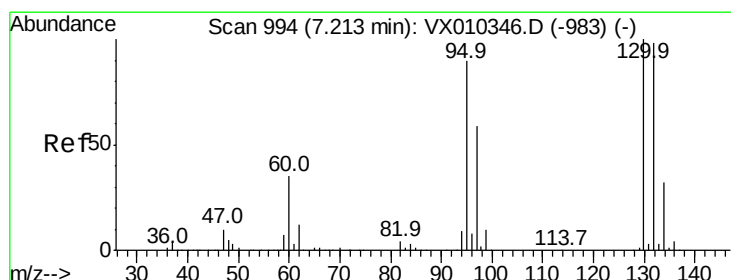
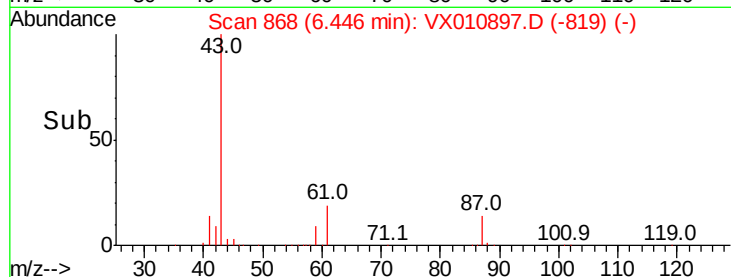
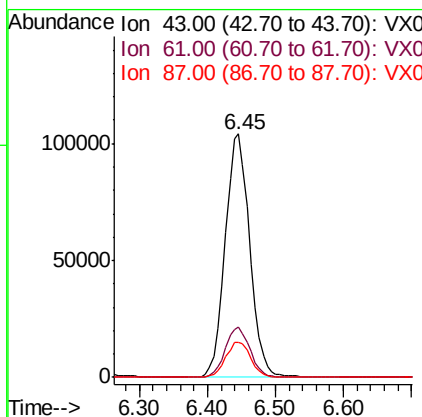
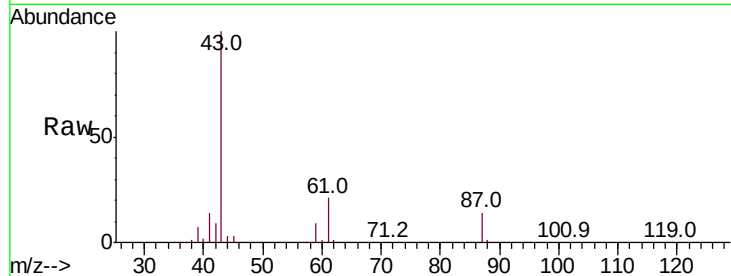
ClientSampleId :

VSTDCCC050EC

Tot Ion	43	Resp	258545
Ion	Ratio	Lower	Upper
43	100		
61	20.9	17.8	26.6
87	14.9	13.0	19.4

Manual Integrations
APPROVED

MMDadoda
7/16/2019 10:48:06 AM



#44

Trichloroethene

Concen: 43.101 ug/l

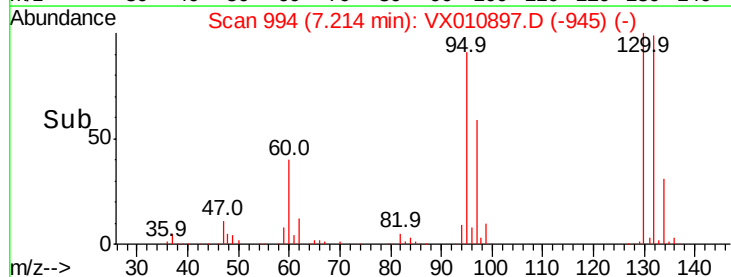
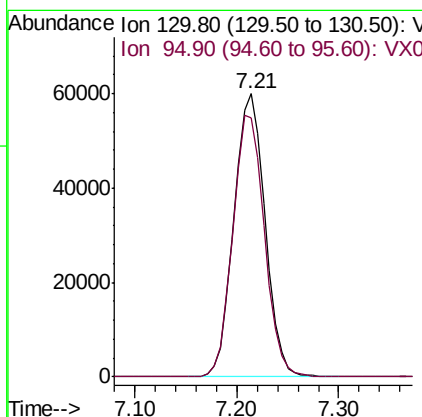
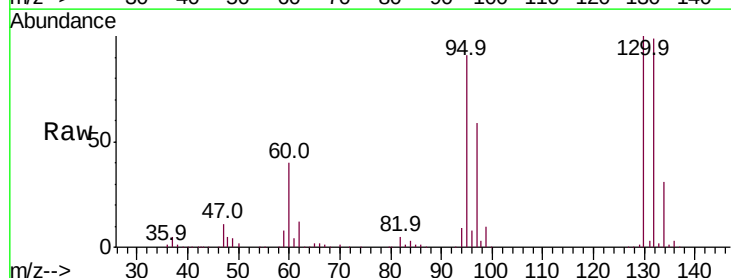
RT: 7.21 min Scan# 994

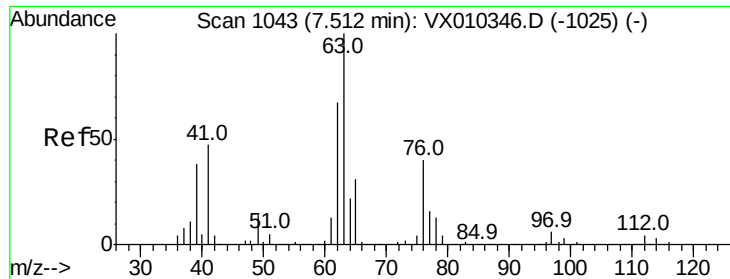
Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Tgt Ion	130	Resp	127047
Ion	Ratio	Lower	Upper
130	100		
95	91.3	0.0	180.8





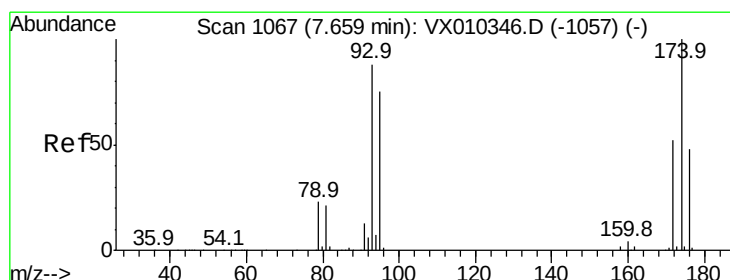
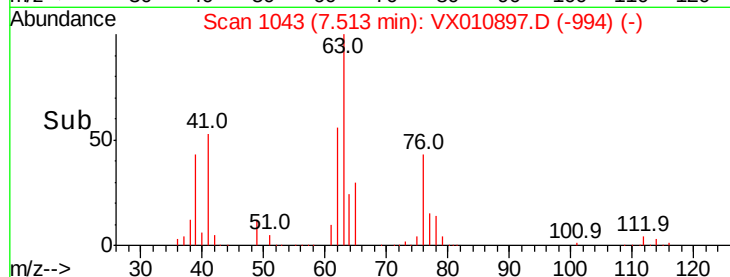
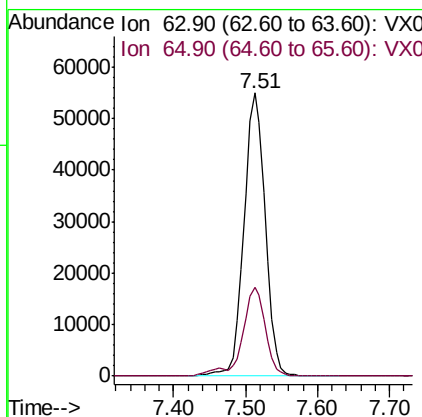
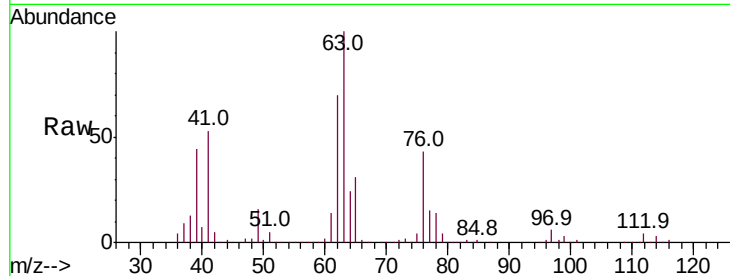
#45
 1,2-Dichloropropane
 Concen: 45.234 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010897.D
 Acq: 15 Jul 2019 20:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.8	37.2

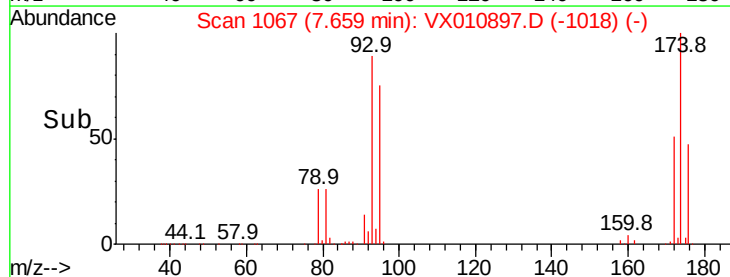
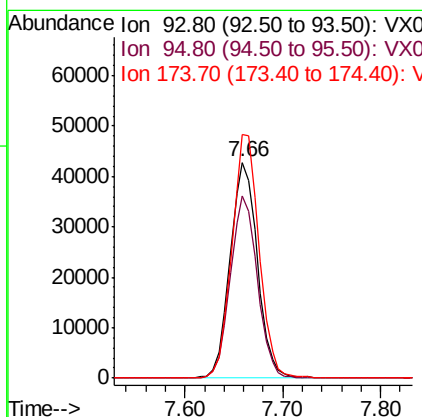
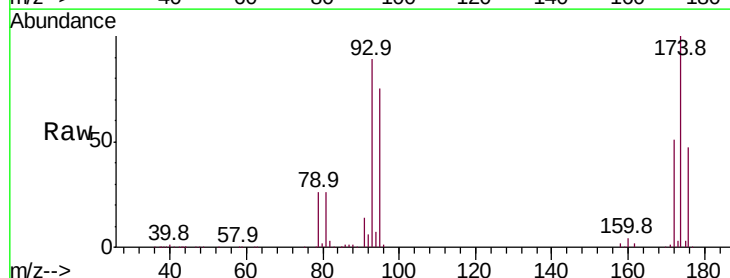
Manual Integrations
 APPROVED

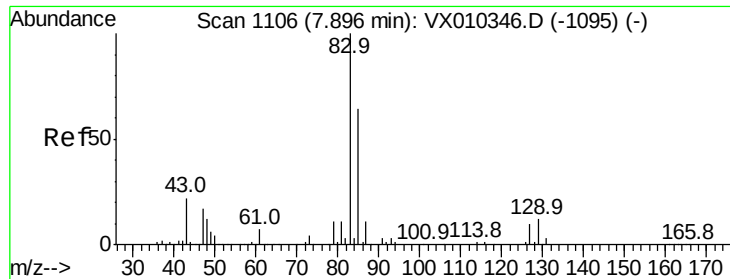
MMDadoda
 7/16/2019 10:48:06 AM



#46
 Dibromomethane
 Concen: 46.388 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX010897.D
 Acq: 15 Jul 2019 20:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	67.5	101.3
174	112.5	95.8	143.6





#47

Bromodichloromethane

Concen: 46.578 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Instrument :

MSVOA_X

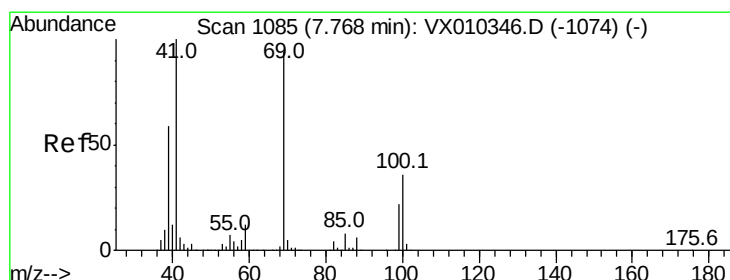
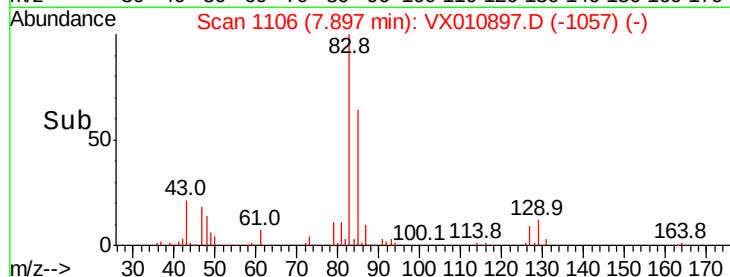
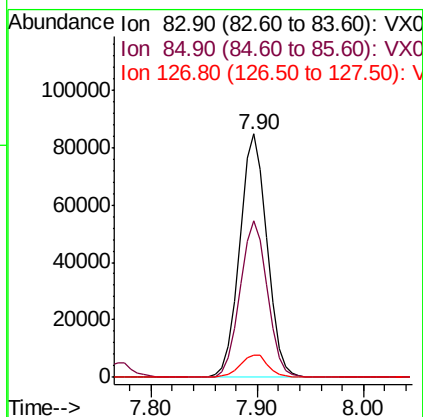
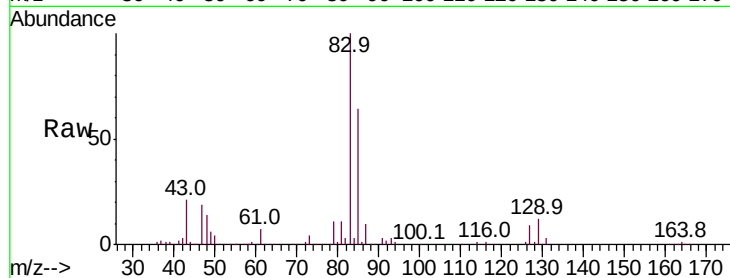
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	152350
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.5	77.3
127	9.4	7.8	11.8

Manual Integrations
APPROVED

MMDadoda
7/16/2019 10:48:06 AM



#48

Methyl methacrylate

Concen: 49.519 ug/l

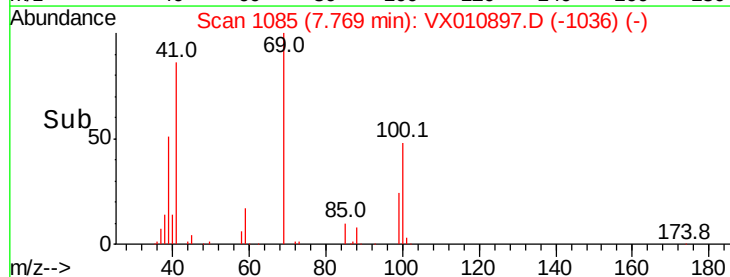
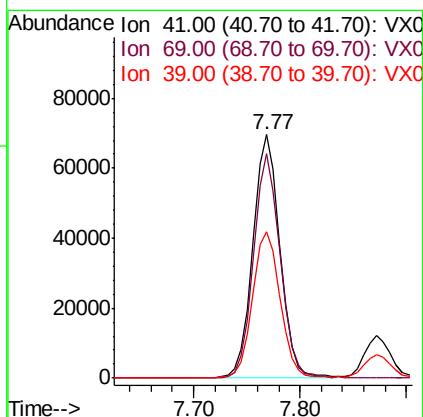
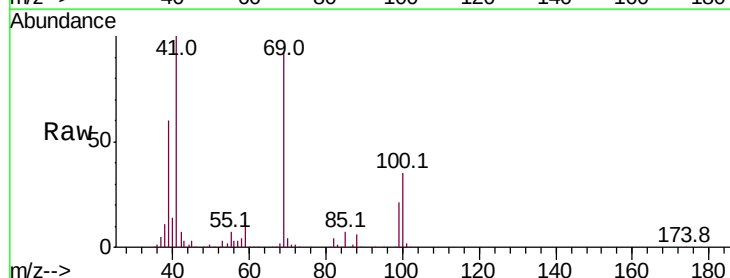
RT: 7.77 min Scan# 1085

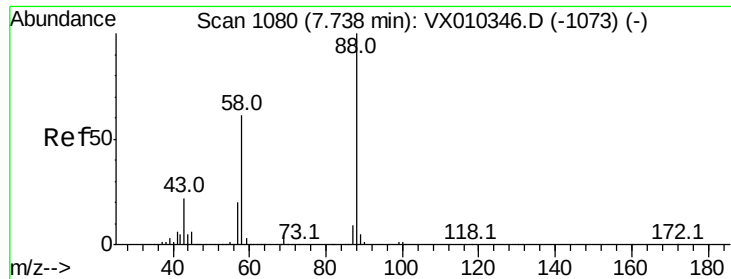
Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Tgt Ion:	41	Resp:	123875
Ion Ratio	Lower	Upper	
41	100		
69	91.2	76.1	114.1
39	61.2	47.6	71.4





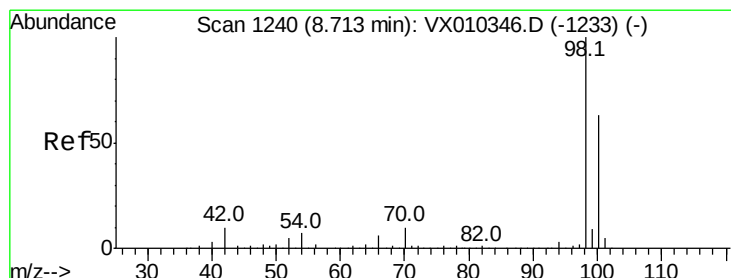
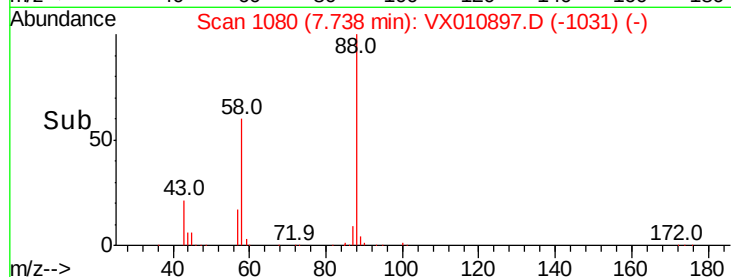
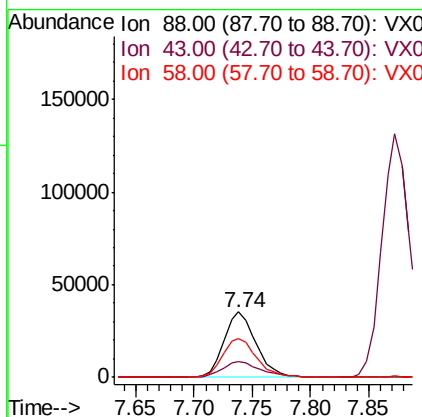
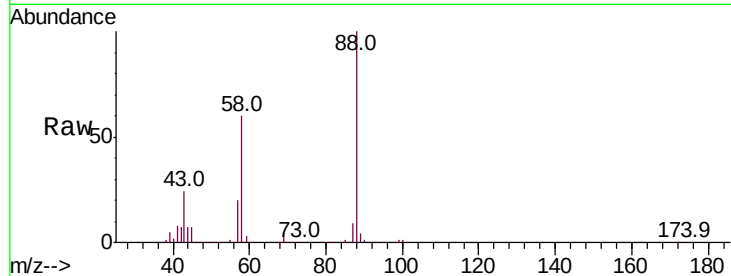
#49
 1,4-Dioxane
 Concen: 933.311 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX010897.D
 Acq: 15 Jul 2019 20:07

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion	88	Resp	67257
Ion Ratio	100	Lower	Upper
88	100		
43	28.6	20.2	30.2
58	63.8	49.5	74.3

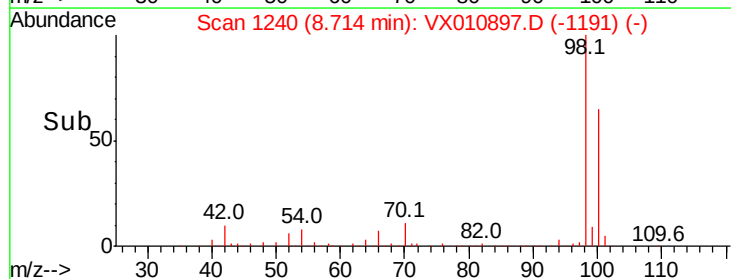
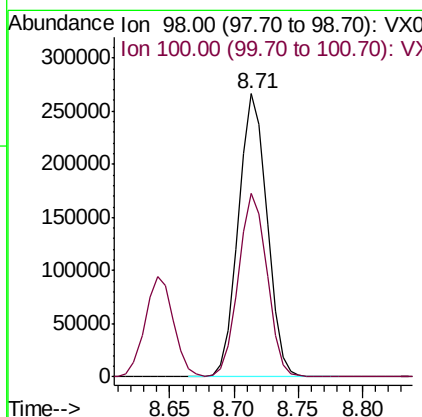
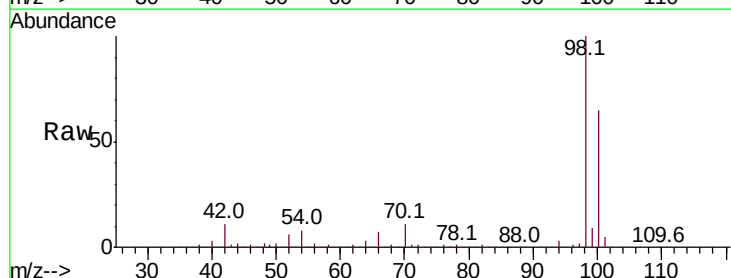
Manual Integrations
 APPROVED

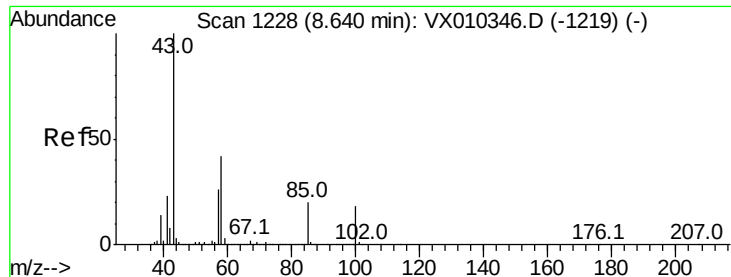
MMDadoda
 7/16/2019 10:48:06 AM



#50
 Toluene-d8
 Concen: 44.111 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX010897.D
 Acq: 15 Jul 2019 20:07

Tgt Ion	98	Resp	410843
Ion Ratio	100	Lower	Upper
98	100		
100	64.6	51.6	77.4





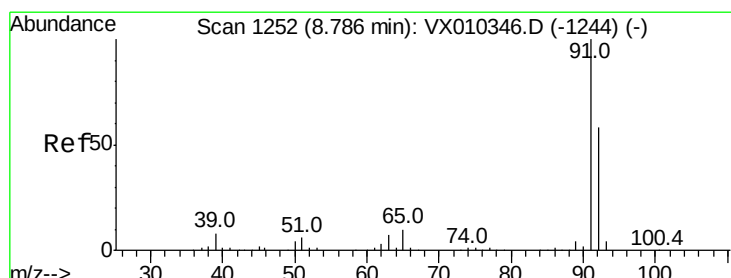
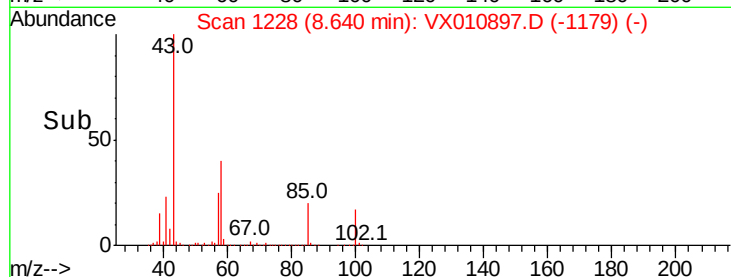
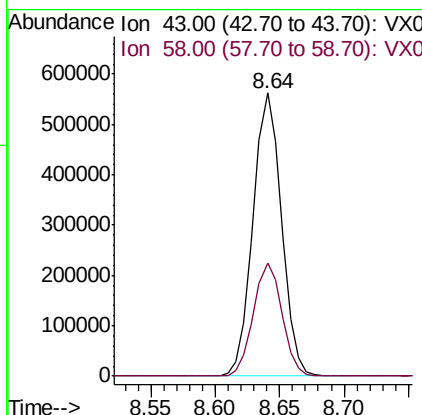
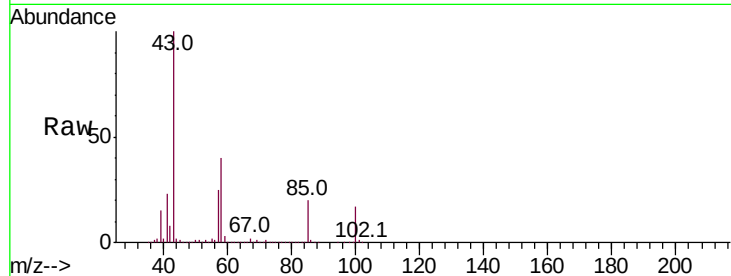
#51
4-Methyl-2-Pentanone
Concen: 248.343 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	58	Ratio	100	40.2	Resp	854795	Lower	33.5	Upper	50.3
Ion	43	58	Ratio	100	40.2	Resp	854795	Lower	33.5	Upper	50.3

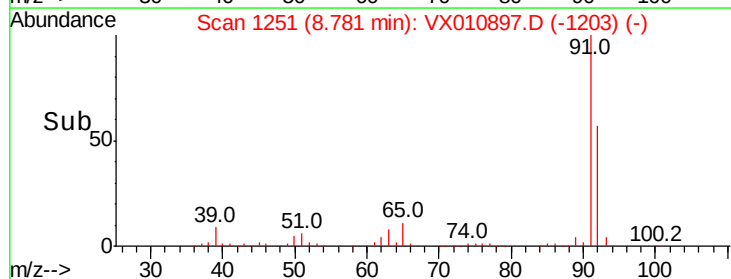
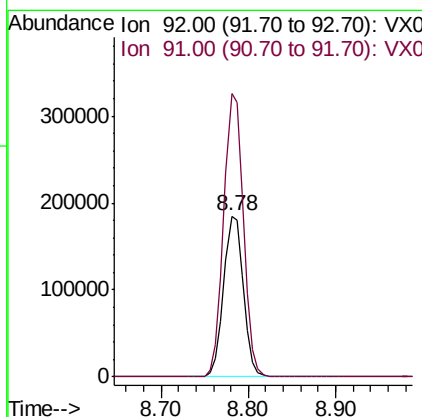
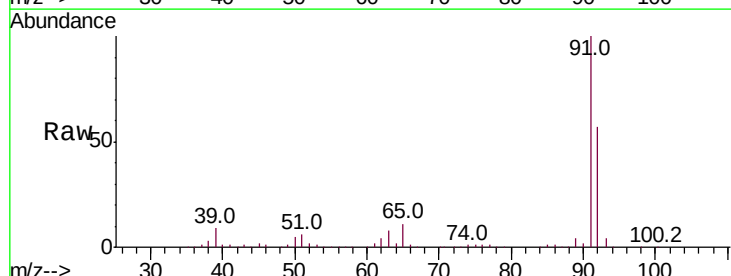
Manual Integrations
APPROVED

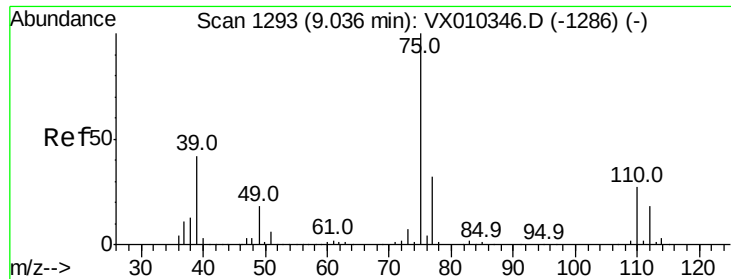
MMDadoda
7/16/2019 10:48:06 AM



#52
Toluene
Concen: 44.375 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Tgt Ion	92	91	Ratio	100	176.5	Resp	287870	Lower	139.8	Upper	209.6
Ion	92	91	Ratio	100	176.5	Resp	287870	Lower	139.8	Upper	209.6





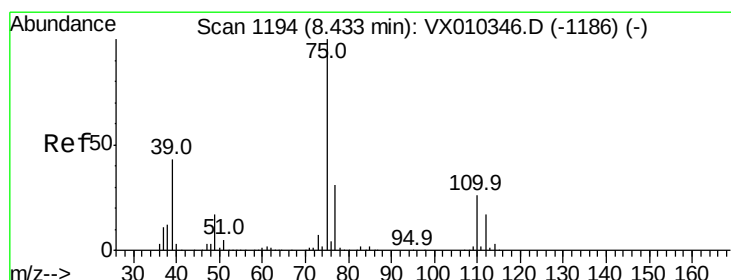
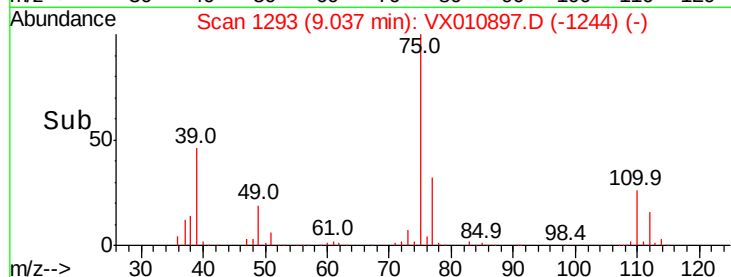
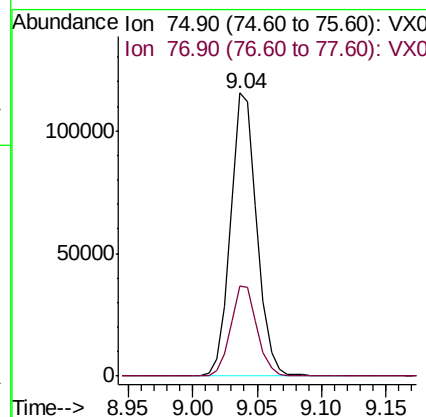
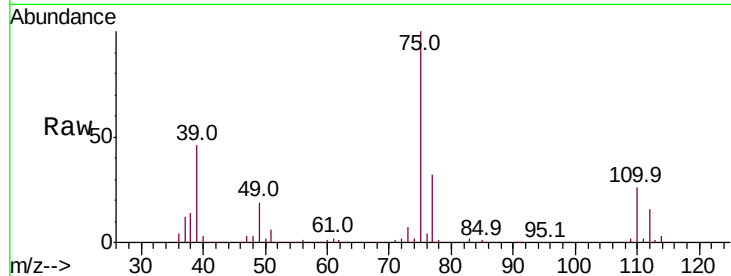
#53
 t-1,3-Dichloropropene
 Concen: 45.094 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VX010897.D
 Acq: 15 Jul 2019 20:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 165367
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.2

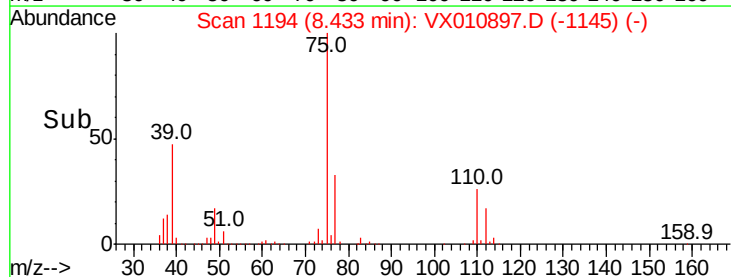
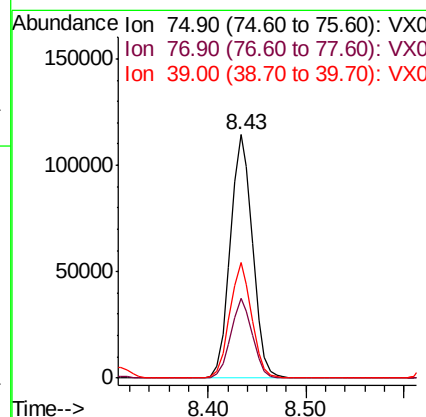
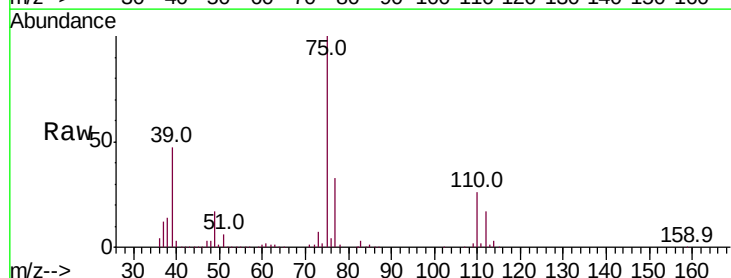
Manual Integrations
 APPROVED

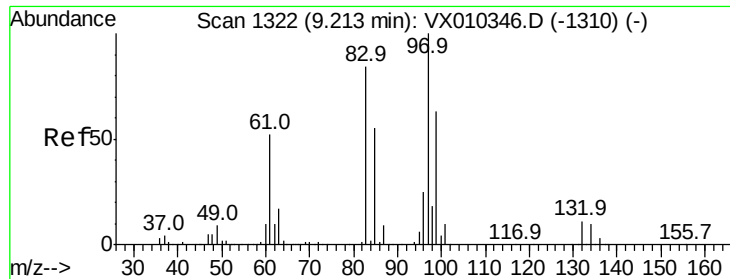
MMDadoda
 7/16/2019 10:48:06 AM



#54
 cis-1,3-Dichloropropene
 Concen: 45.239 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX010897.D
 Acq: 15 Jul 2019 20:07

Tgt Ion: 75 Resp: 180281
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.2 37.8
 39 47.1 34.5 51.7





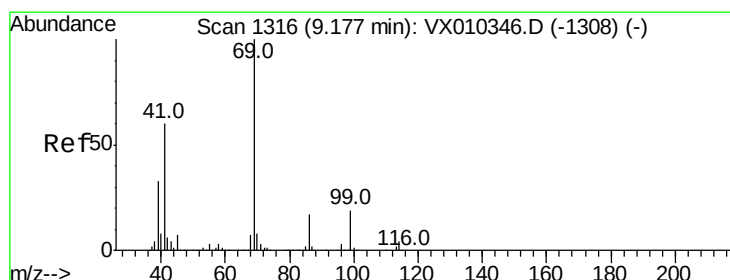
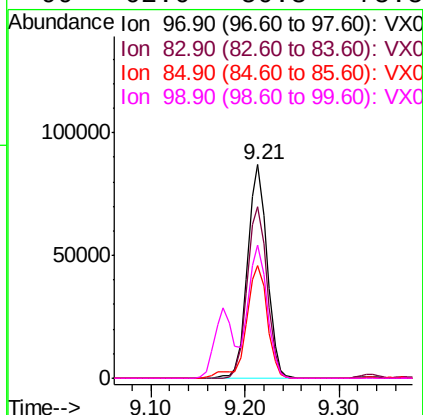
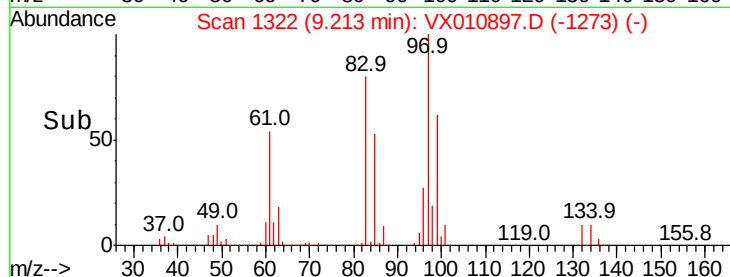
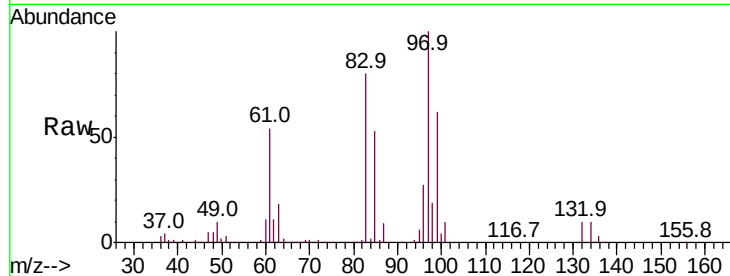
#55
1,1,2-Trichloroethane
Concen: 46.818 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
97	100	125258		
83	80.4	67.4	101.0	
85	53.0	43.8	65.8	
99	62.0	50.3	75.5	

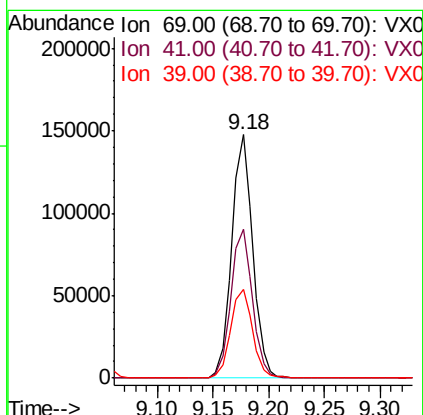
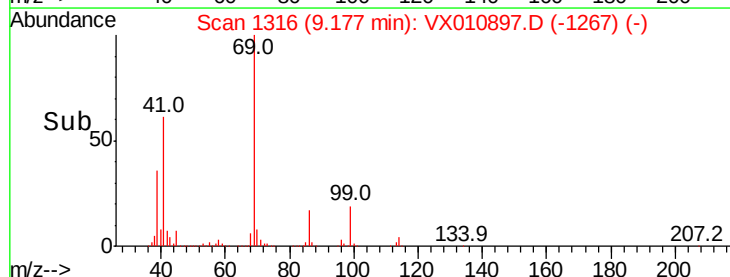
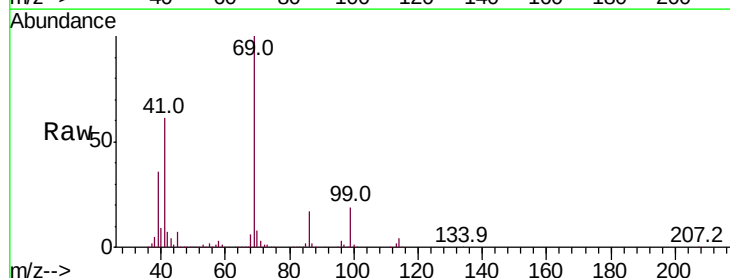
Manual Integrations
APPROVED

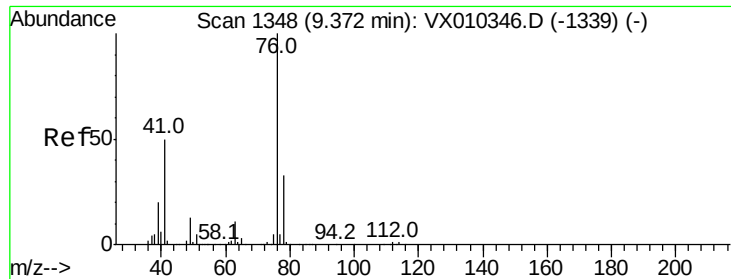
MMDadoda
7/16/2019 10:48:06 AM



#56
Ethyl methacrylate
Concen: 47.610 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	192959		
41	62.4	47.1	70.7	
39	37.6	26.6	40.0	





#57

1,3-Dichloropropane

Concen: 46.735 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 194096

Ion Ratio Lower Upper

76 100

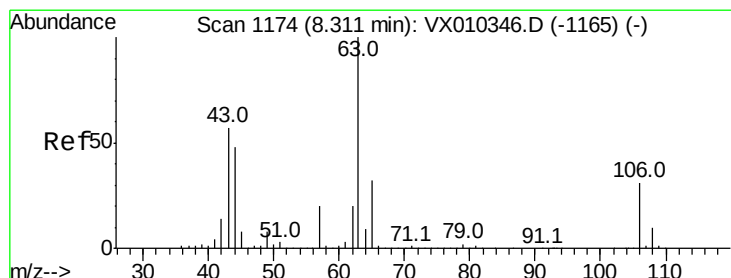
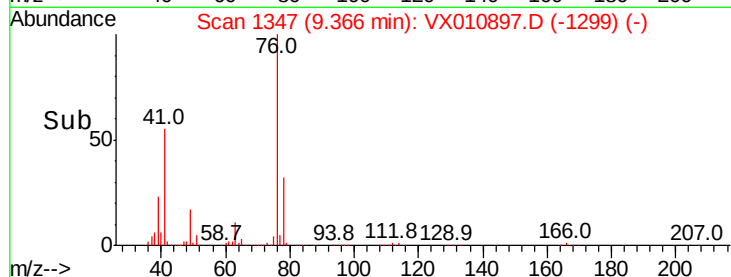
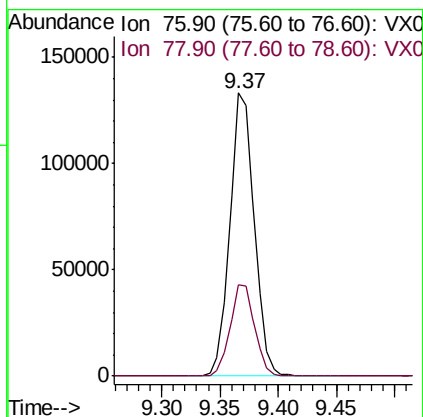
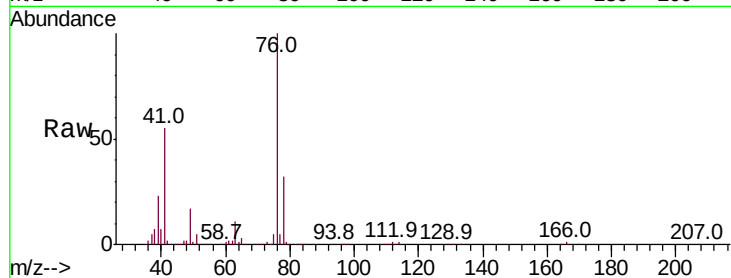
78 32.6 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

7/16/2019 10:48:06 AM



#58

2-Chloroethyl Vinyl ether

Concen: 195.161 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010897.D

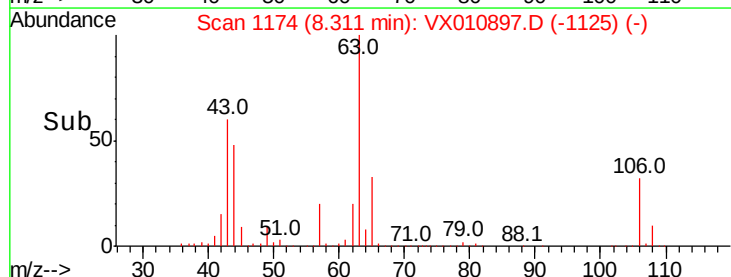
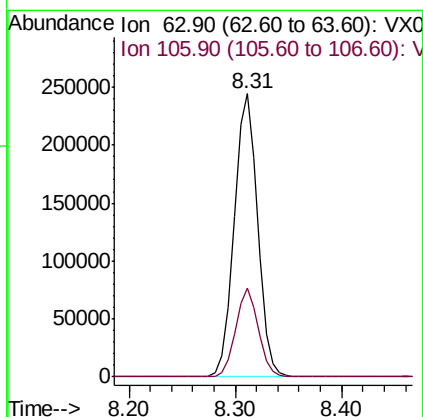
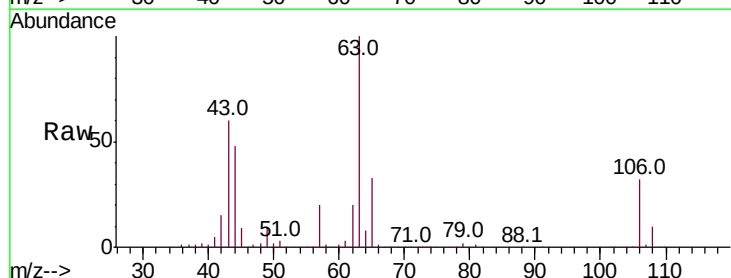
Acq: 15 Jul 2019 20:07

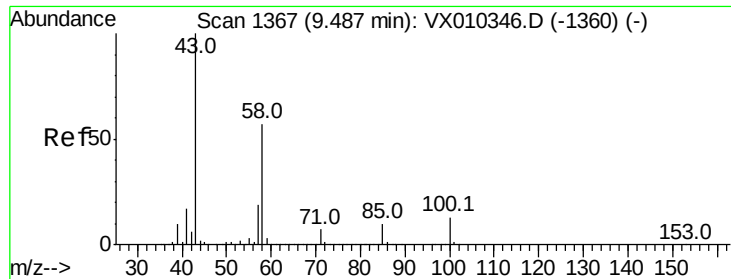
Tgt Ion: 63 Resp: 375657

Ion Ratio Lower Upper

63 100

106 30.5 24.7 37.1





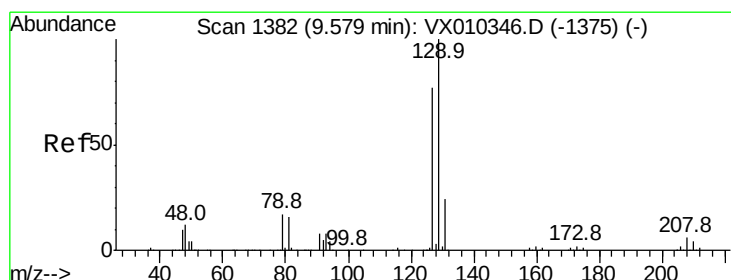
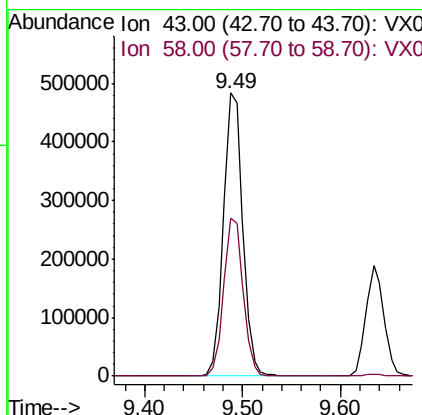
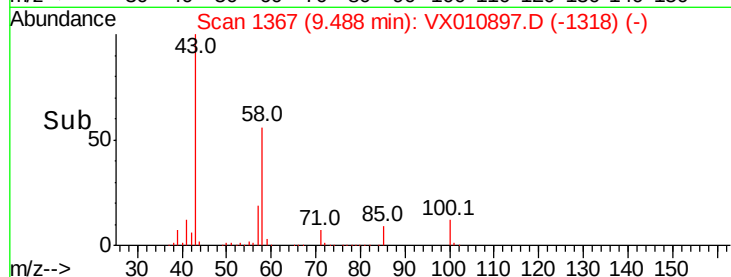
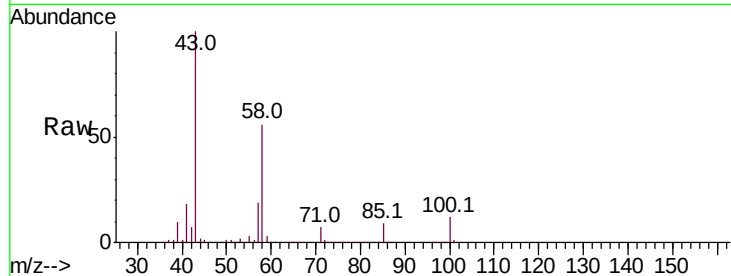
#59
2-Hexanone
Concen: 244.075 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 661192
Ion Ratio Lower Upper
43 100
58 56.4 29.0 87.1

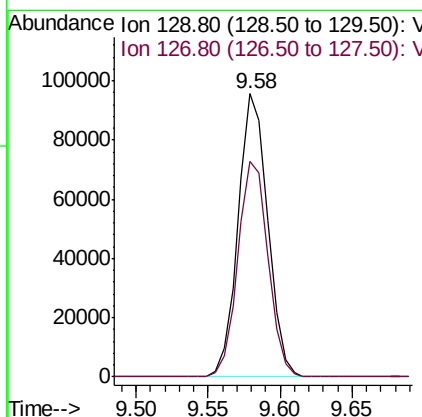
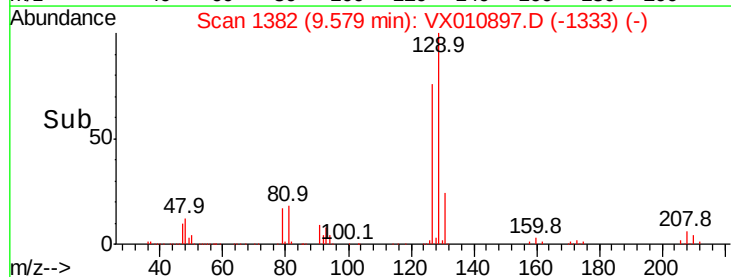
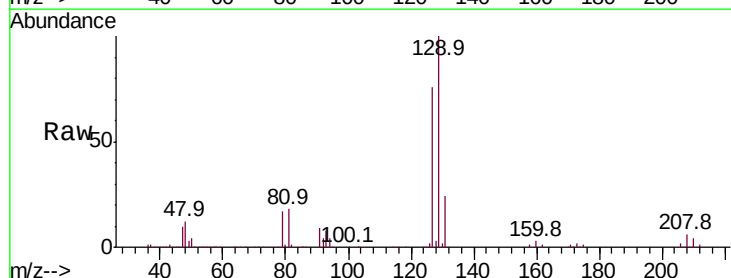
Manual Integrations
APPROVED

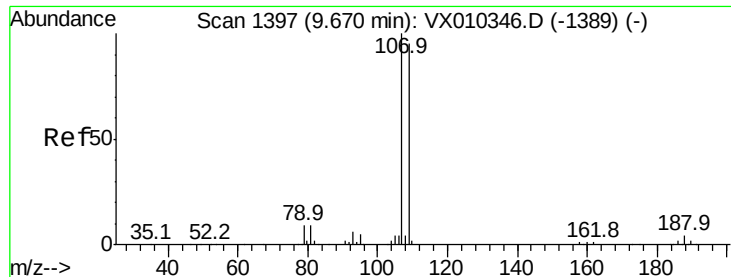
MMDadoda
7/16/2019 10:48:06 AM



#60
Dibromochloromethane
Concen: 45.625 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Tgt Ion: 129 Resp: 136675
Ion Ratio Lower Upper
129 100
127 77.6 38.4 115.1





#61

1,2-Dibromoethane

Concen: 46.052 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 132989

Ion Ratio Lower Upper

107 100

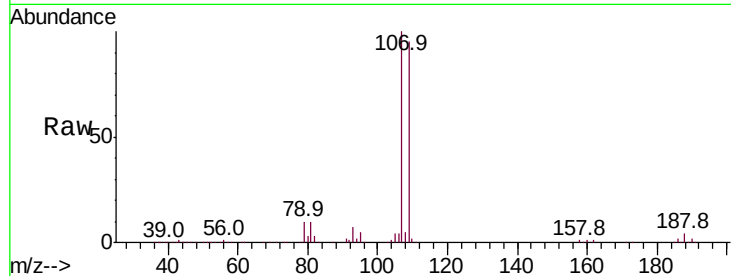
109 94.7 75.8 113.6

Manual Integrations

APPROVED

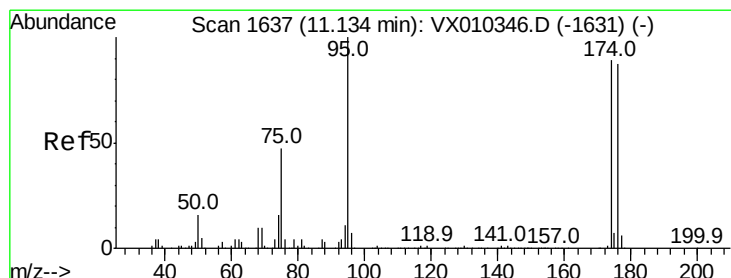
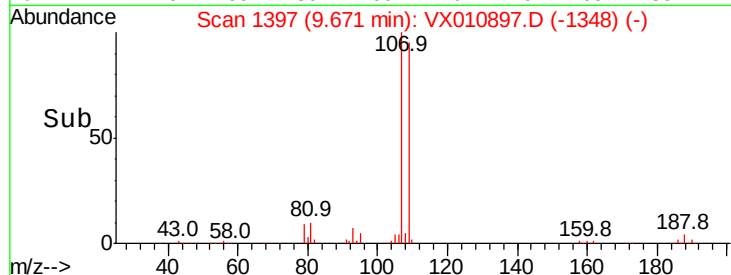
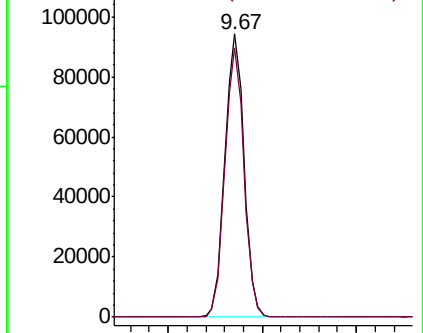
MMDadoda

7/16/2019 10:48:06 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.905 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

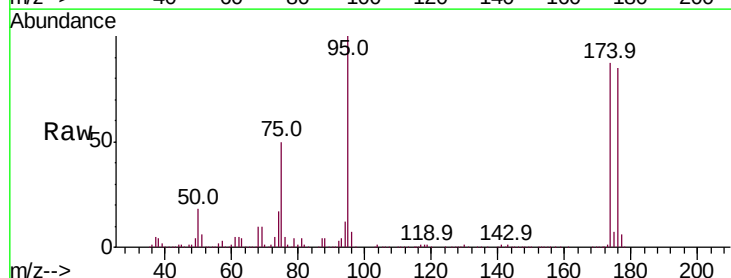
Tgt Ion: 95 Resp: 164445

Ion Ratio Lower Upper

95 100

174 90.6 0.0 187.6

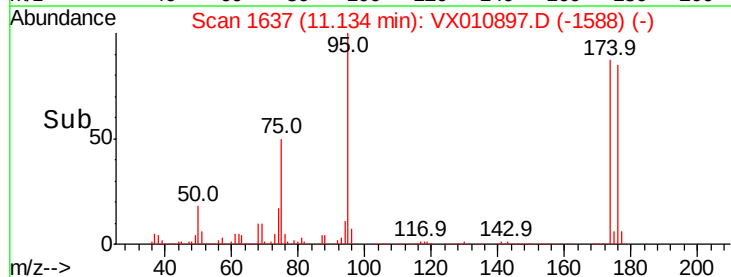
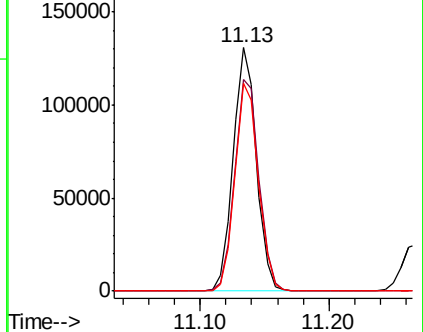
176 86.8 0.0 184.0

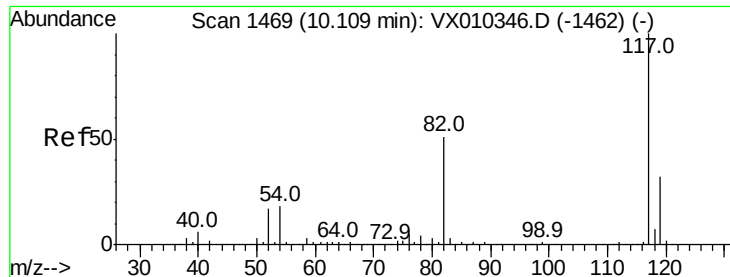


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





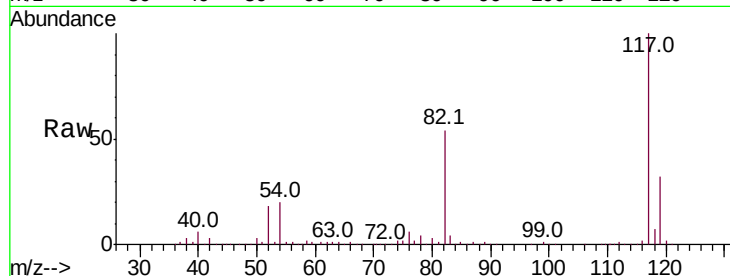
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	54.2	41.2	61.8
119	32.1	25.5	38.3

Manual Integrations
APPROVED

MMDadoda
7/16/2019 10:48:06 AM

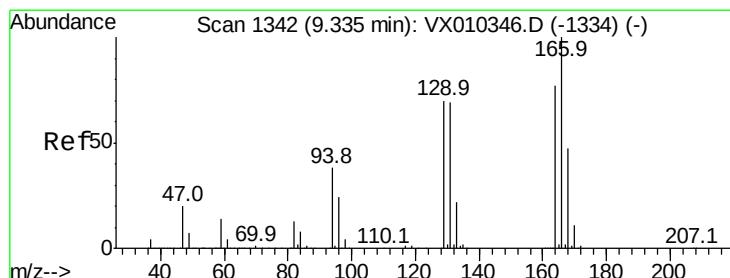
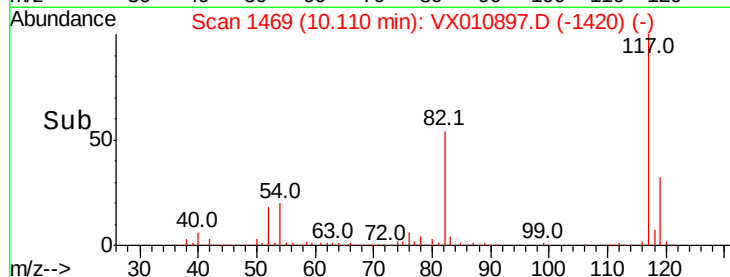
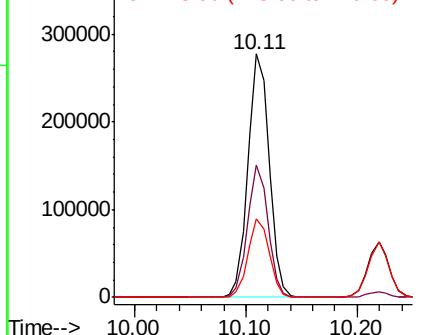


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 40.397 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	125.9	103.6	155.4
129	86.9	73.0	109.4
131	82.8	71.0	106.4

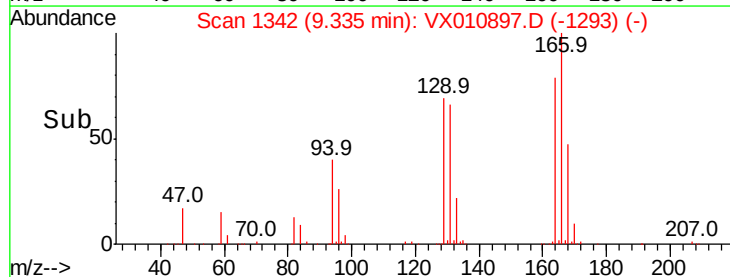
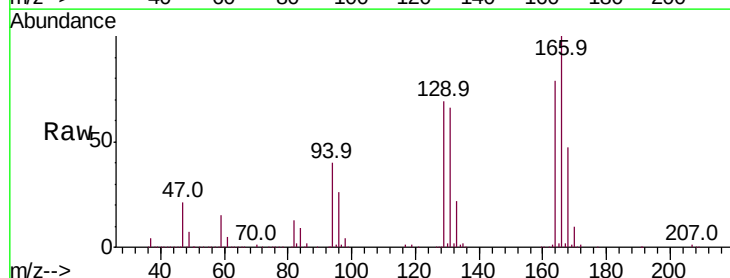
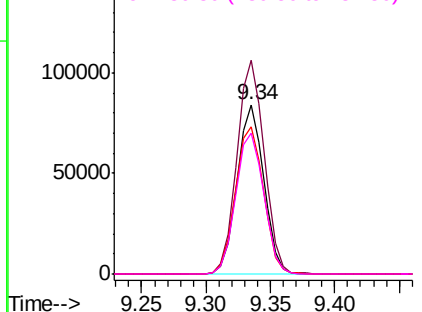
Abundance

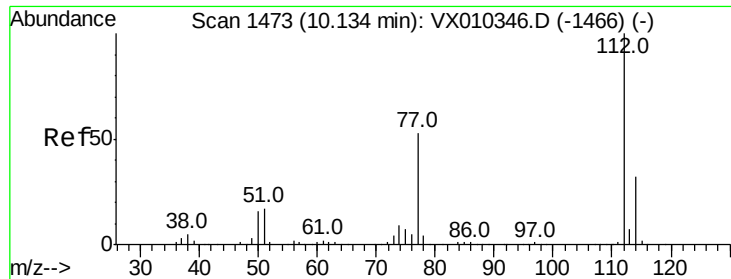
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 44.078 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 330347

Ion Ratio Lower Upper

112 100

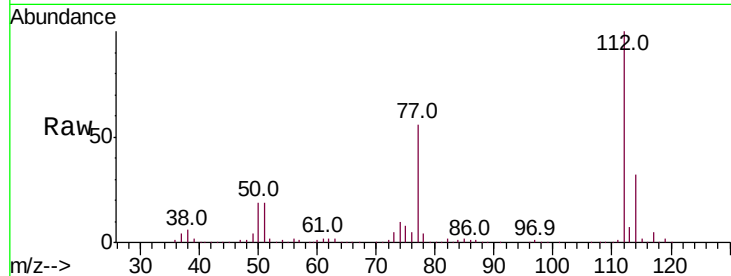
114 32.5 25.4 38.2

Manual Integrations

APPROVED

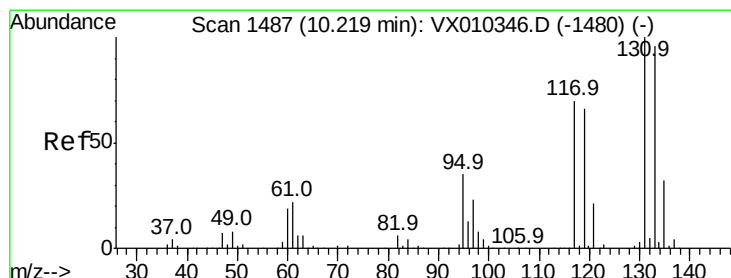
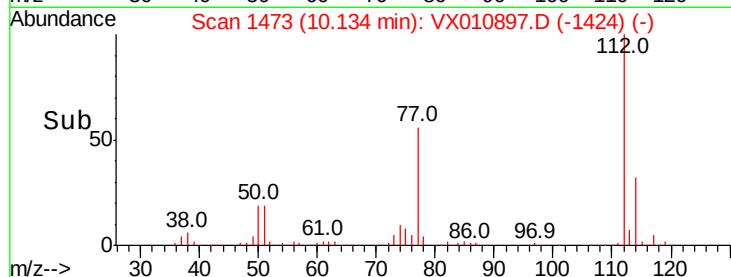
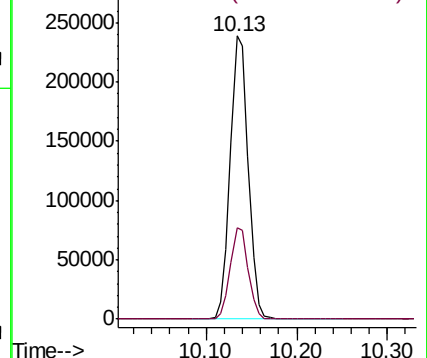
MMDadoda

7/16/2019 10:48:06 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: 45.782 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

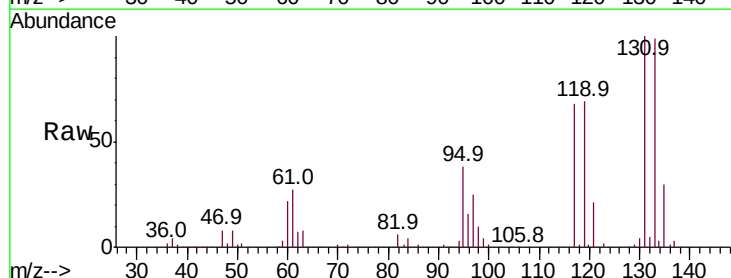
Tgt Ion:131 Resp: 124980

Ion Ratio Lower Upper

131 100

133 97.0 47.7 143.1

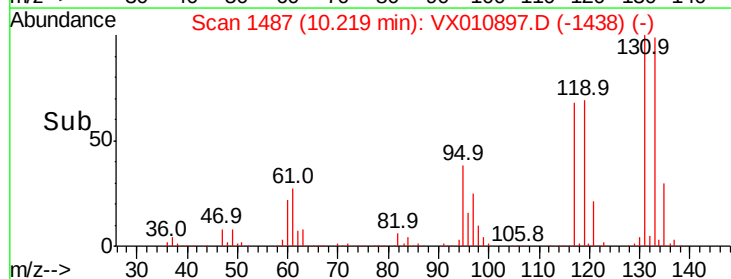
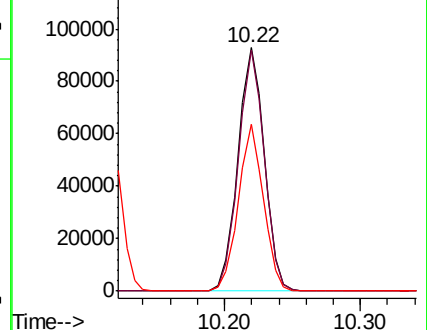
119 65.2 32.6 97.7

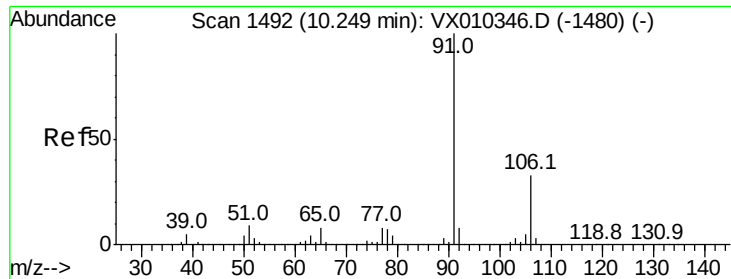


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





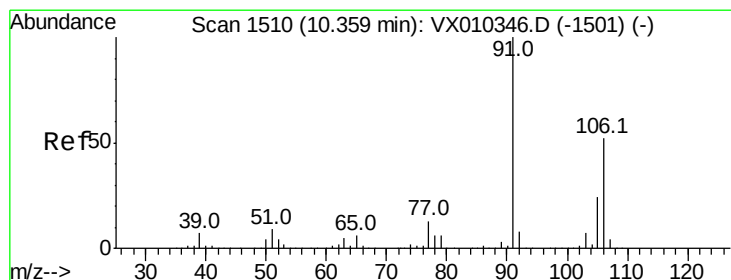
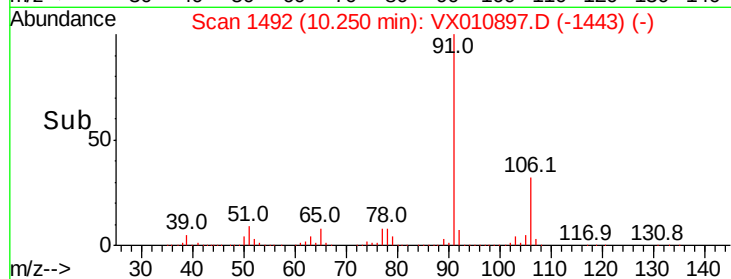
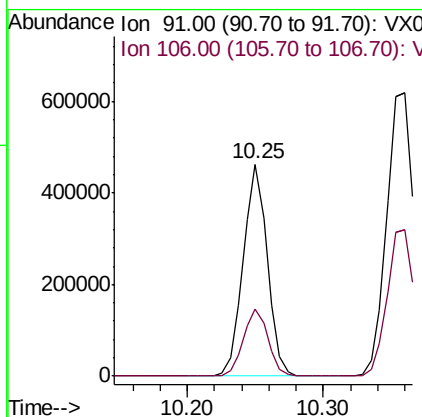
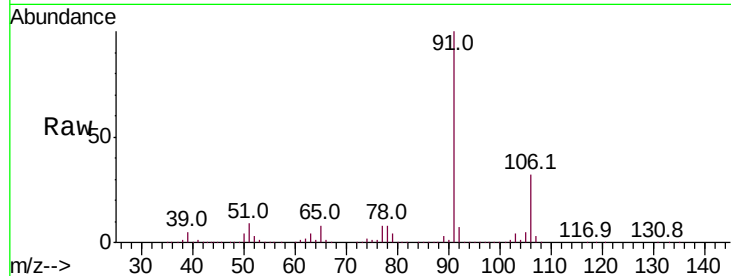
#67
Ethyl Benzene
Concen: 45.231 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 572275
Ion Ratio Lower Upper
91 100
106 31.6 26.2 39.2

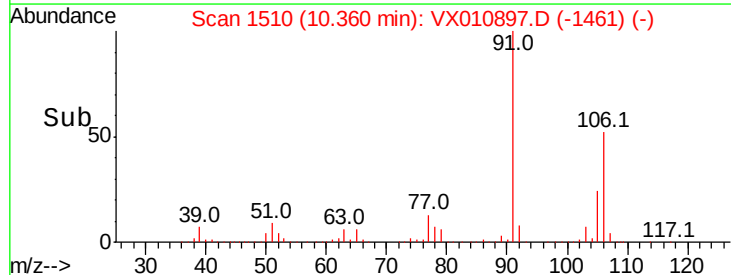
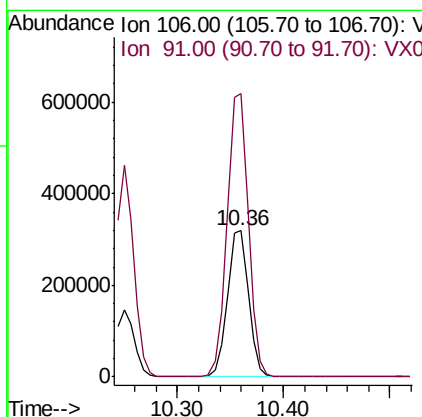
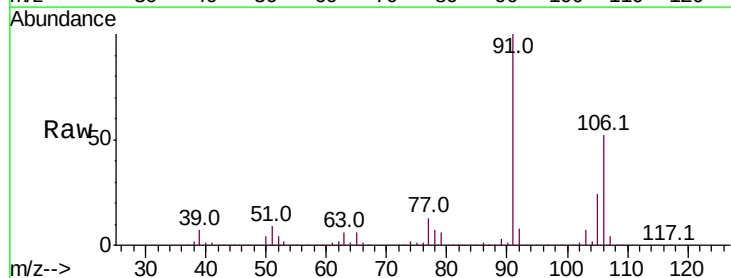
Manual Integrations
APPROVED

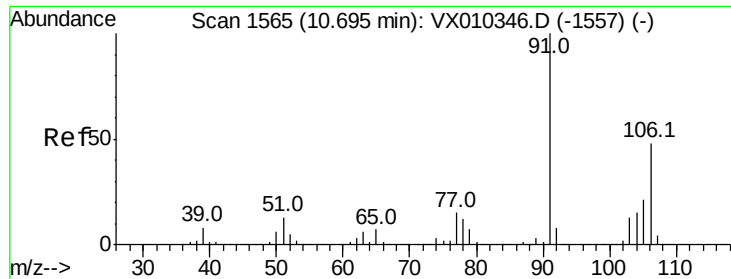
MMDadoda
7/16/2019 10:48:06 AM



#68
m/p-Xylenes
Concen: 90.524 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Tgt Ion: 106 Resp: 443793
Ion Ratio Lower Upper
106 100
91 195.9 155.3 232.9





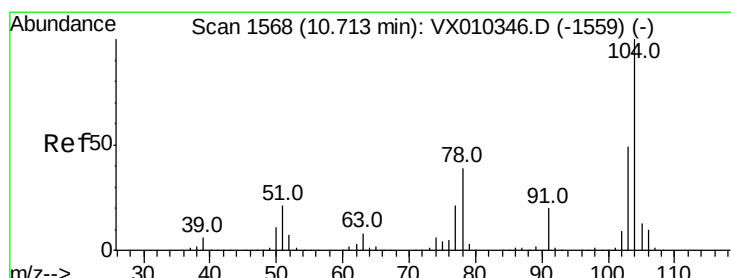
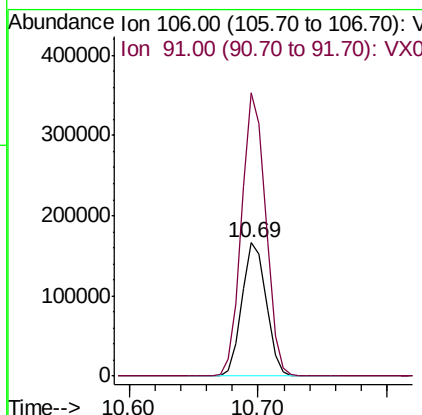
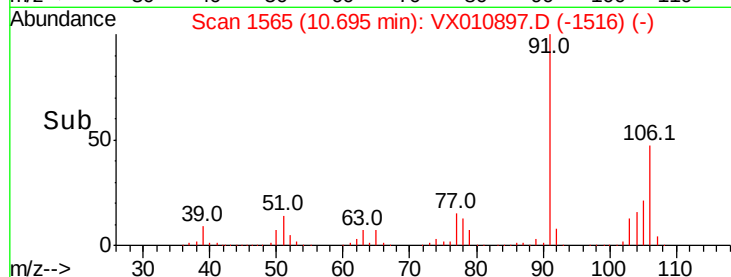
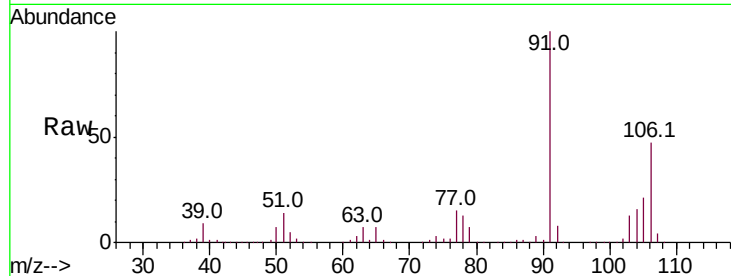
#69
o-Xylene
Concen: 44.889 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 216417
Ion Ratio Lower Upper
106 100
91 210.9 102.7 308.1

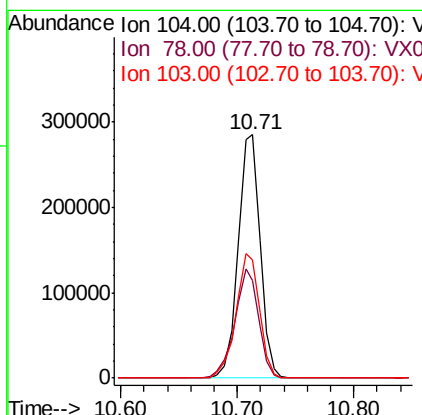
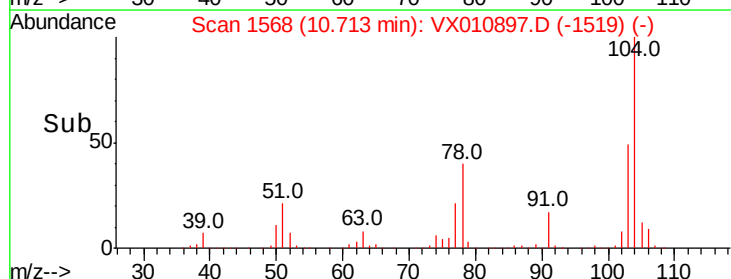
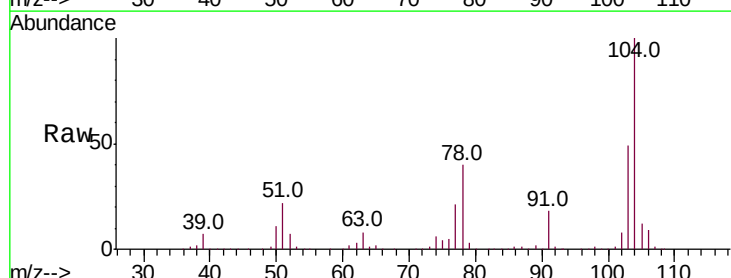
Manual Integrations
APPROVED

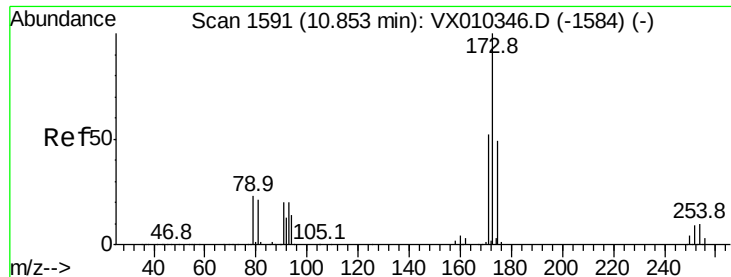
MMDadoda
7/16/2019 10:48:06 AM



#70
Styrene
Concen: 46.562 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Tgt Ion:104 Resp: 376469
Ion Ratio Lower Upper
104 100
78 48.1 36.2 54.2
103 54.7 44.2 66.4





#71

Bromoform

Concen: 45.204 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 107313

Ion Ratio Lower Upper

173 100

175 48.4 24.1 72.3

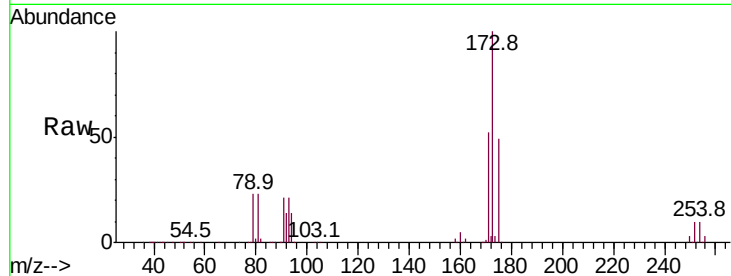
254 0.2 0.2 0.2

Manual Integrations

APPROVED

MMDadoda

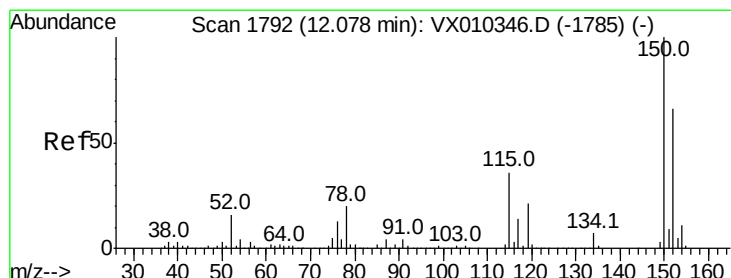
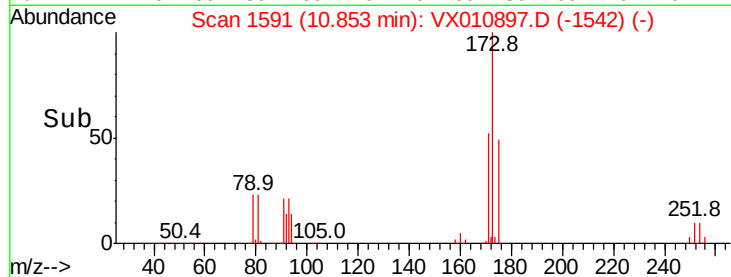
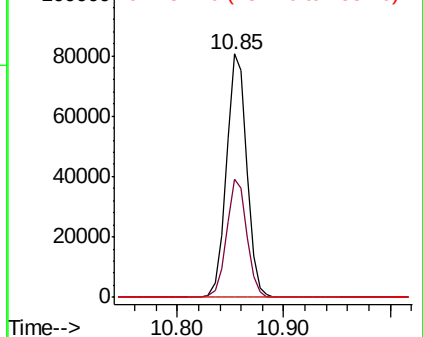
7/16/2019 10:48:06 AM



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: VX010897.D

Acq: 15 Jul 2019 20:07

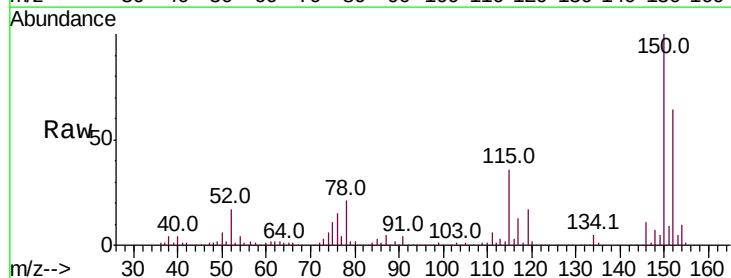
Tgt Ion:152 Resp: 195643

Ion Ratio Lower Upper

152 100

115 77.1 38.6 115.7

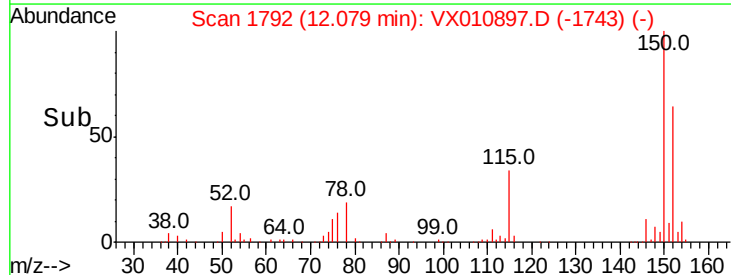
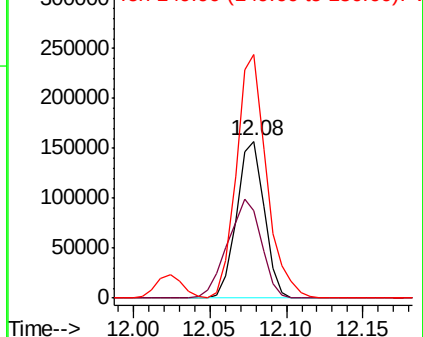
150 170.0 0.0 347.4

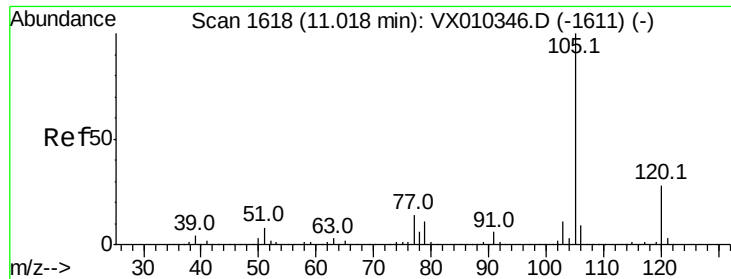


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





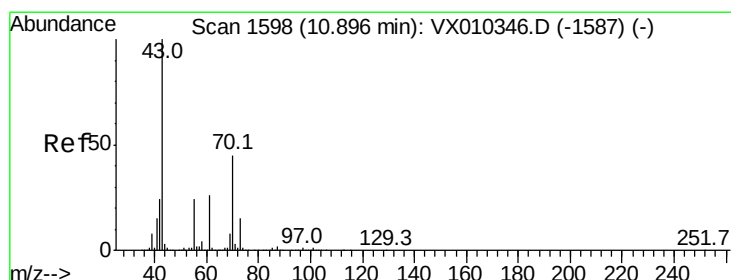
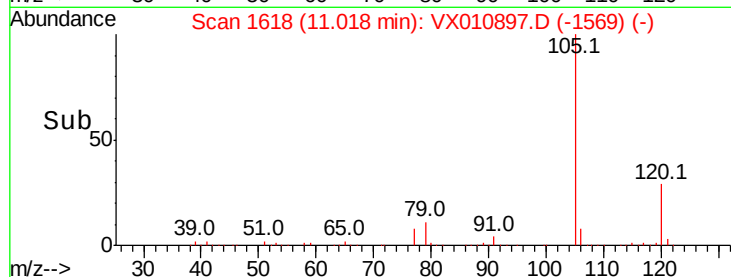
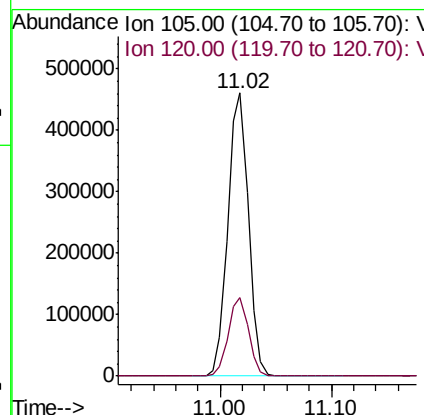
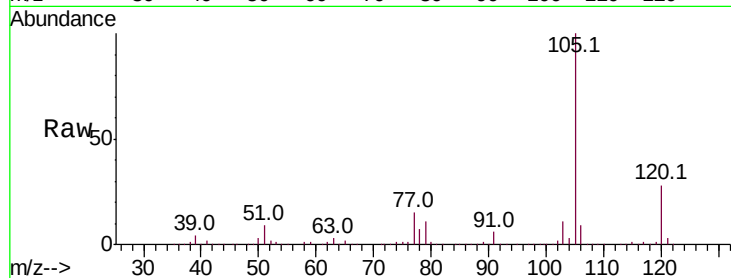
#73
Isopropylbenzene
Concen: 44.271 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.4	14.1	42.4

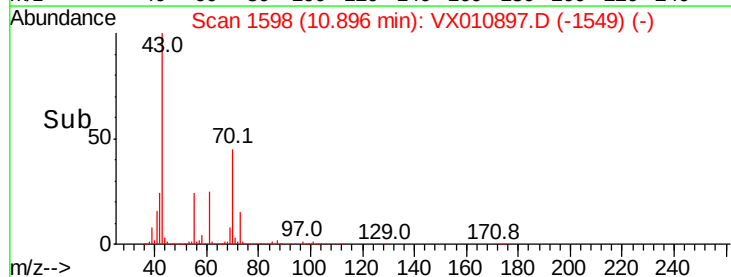
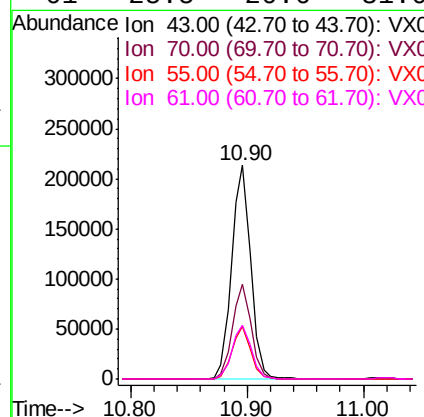
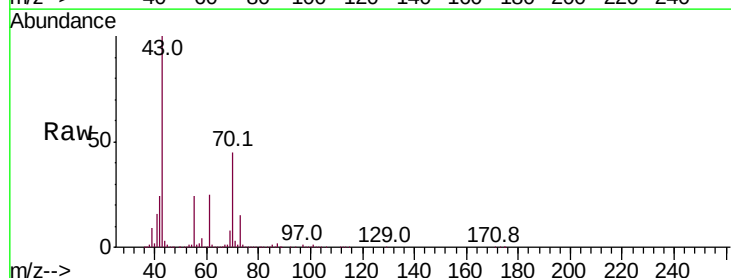
Manual Integrations
APPROVED

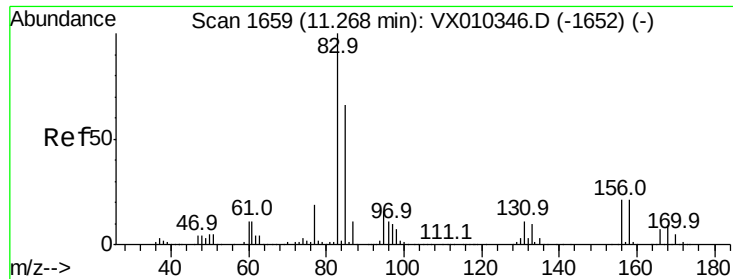
MMDadoda
7/16/2019 10:48:06 AM



#74
N-ethyl acetate
Concen: 48.194 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.1	36.6	54.8
55	24.2	18.7	28.1
61	25.5	20.6	31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 44.606 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Instrument :

MSVOA_X

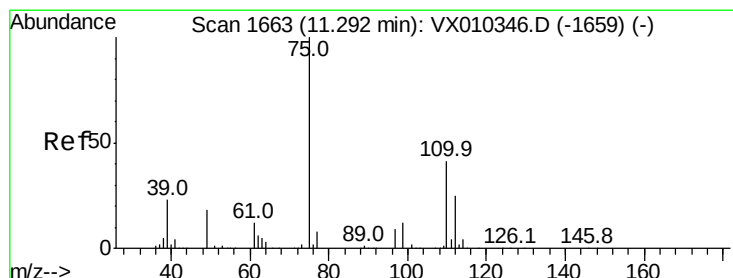
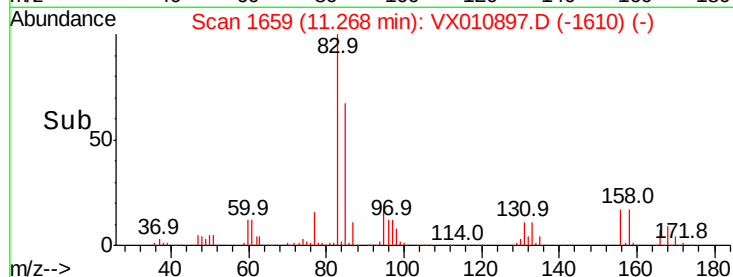
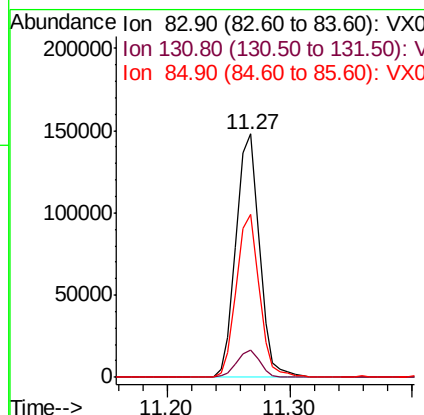
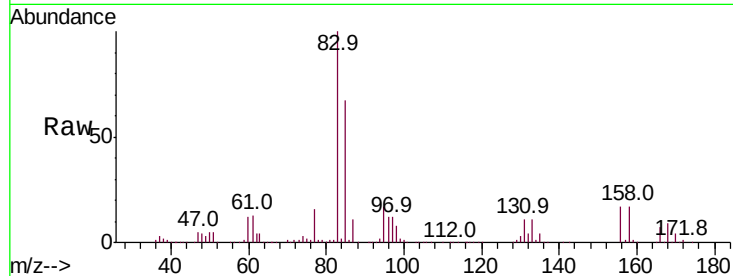
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	195914
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.4
85	66.0	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
7/16/2019 10:48:06 AM



#76

1,2,3-Trichloropropane

Concen: 46.311 ug/l m

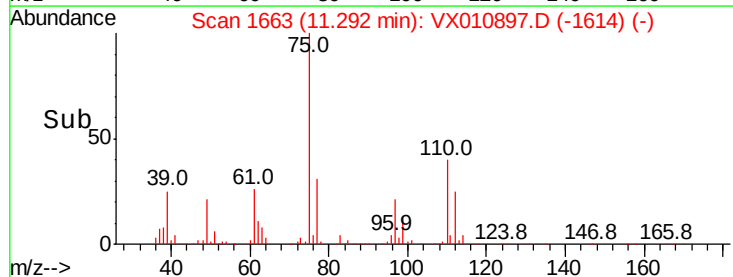
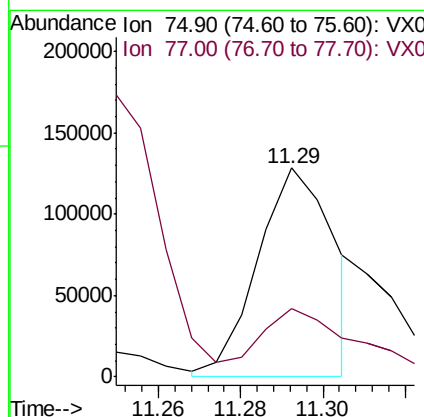
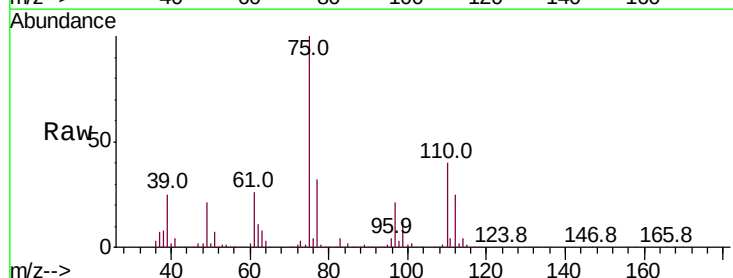
RT: 11.29 min Scan# 1663

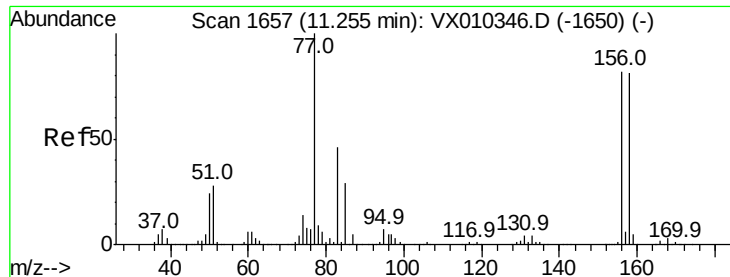
Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Tgt Ion:	75	Resp:	165105
Ion Ratio	Lower	Upper	
75	100		
77	42.2	22.6	67.8





#77

Bromobenzene

Concen: 43.217 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 160042

Ion Ratio Lower Upper

156 100

77 138.4 66.3 198.7

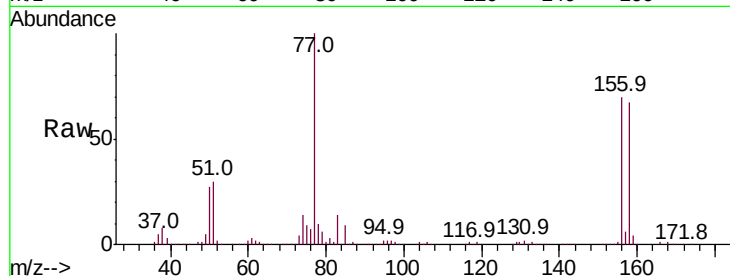
158 96.5 48.9 146.7

Manual Integrations

APPROVED

MMDadoda

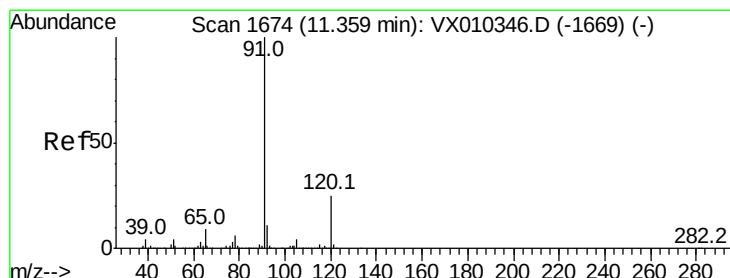
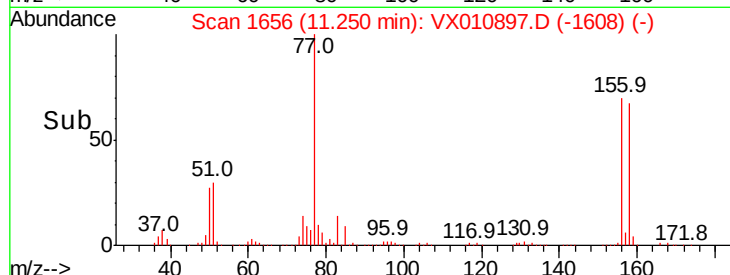
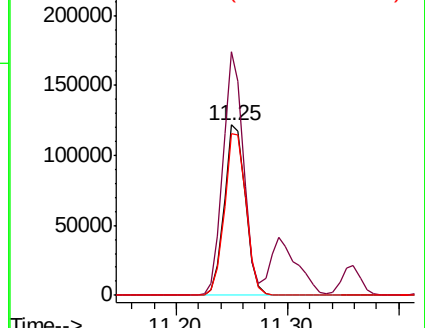
7/16/2019 10:48:06 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 44.949 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010897.D

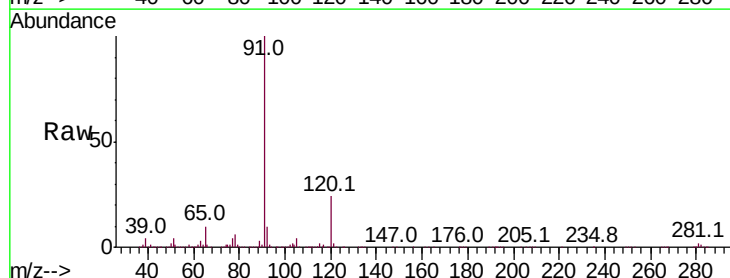
Acq: 15 Jul 2019 20:07

Tgt Ion: 91 Resp: 655169

Ion Ratio Lower Upper

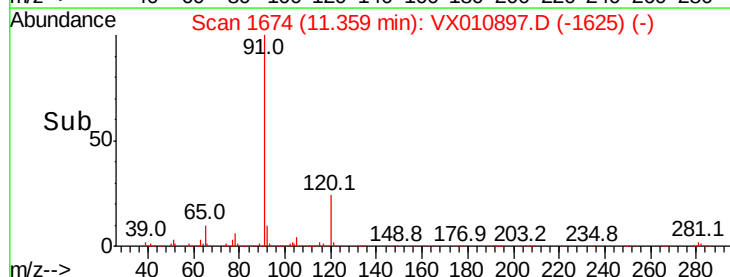
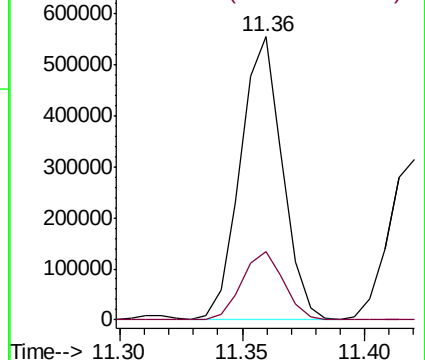
91 100

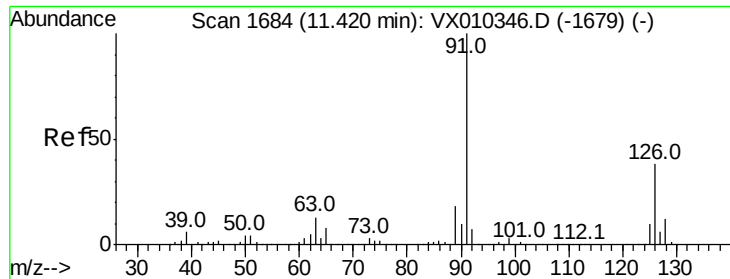
120 24.2 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





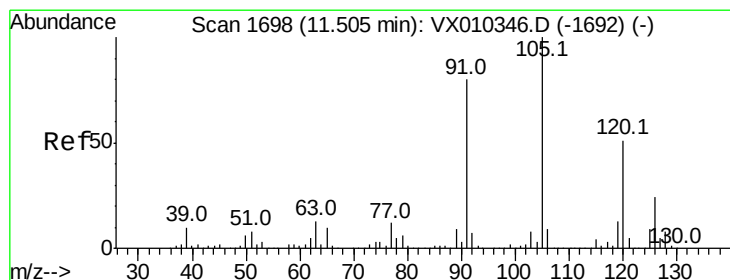
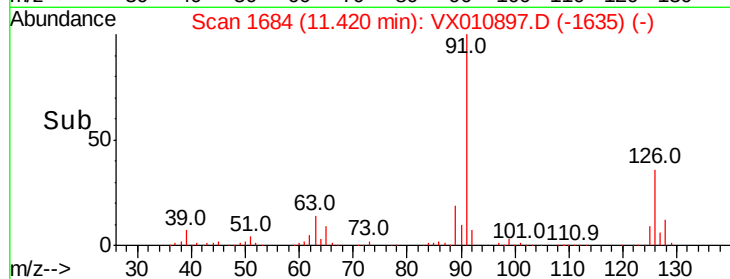
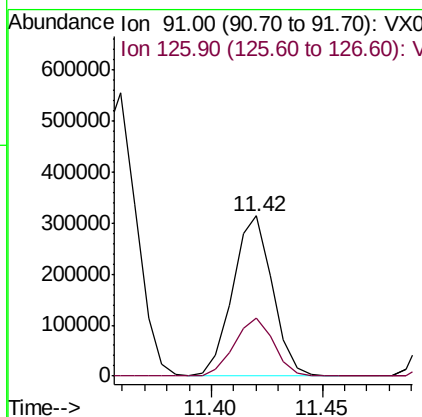
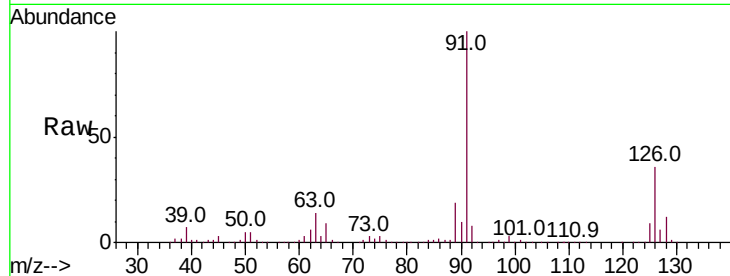
#79
2-Chlorotoluene
Concen: 44.670 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 387716
Ion Ratio Lower Upper
91 100
126 36.0 18.7 56.1

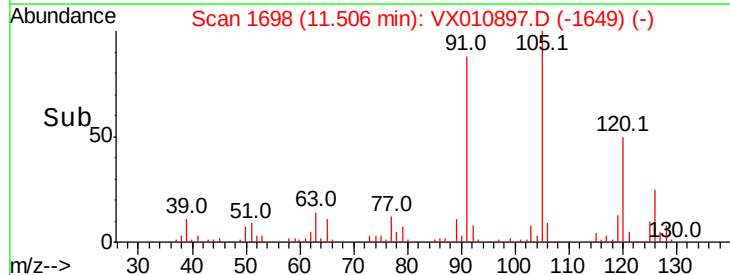
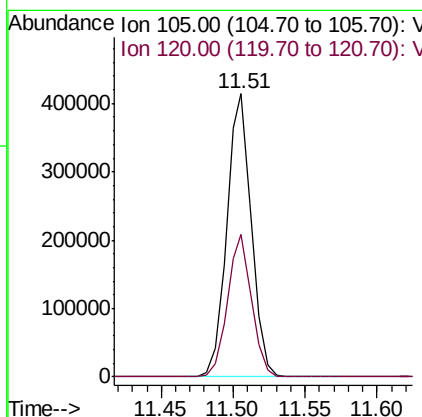
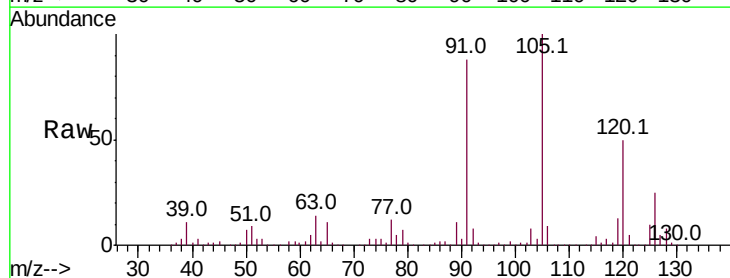
Manual Integrations
APPROVED

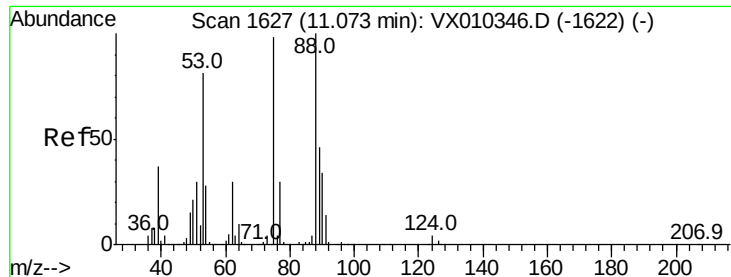
MMDadoda
7/16/2019 10:48:06 AM



#80
1,3,5-Trimethylbenzene
Concen: 45.204 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Tgt Ion: 105 Resp: 494223
Ion Ratio Lower Upper
105 100
120 49.3 25.2 75.6





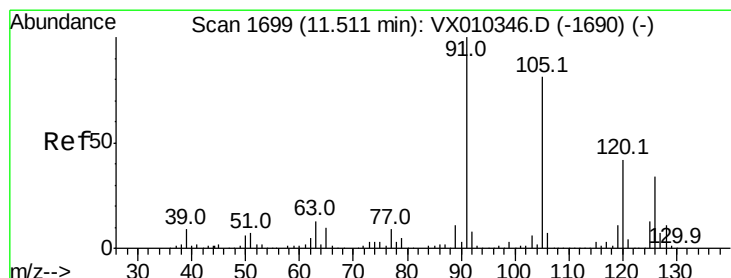
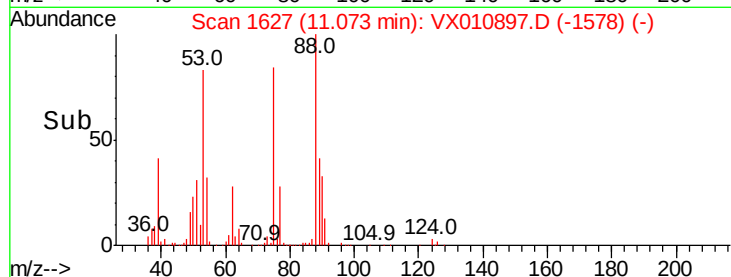
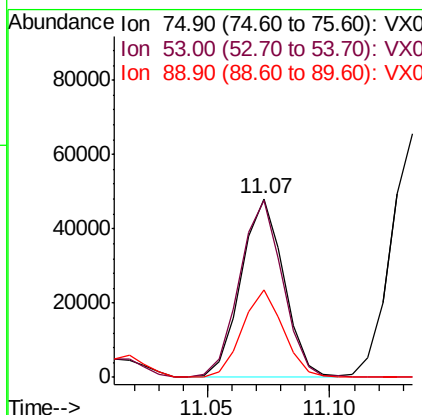
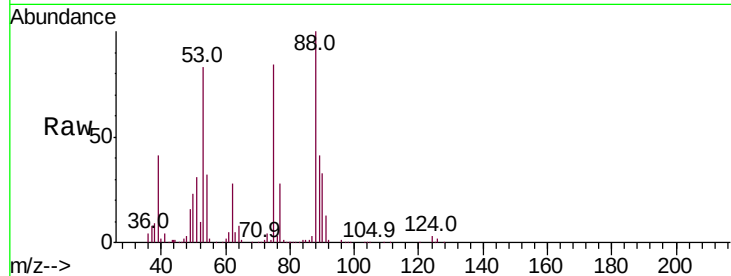
#81
trans-1,4-Dichloro-2-butene
Concen: 37.906 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 57928
Ion Ratio Lower Upper
75 100
53 101.1 66.1 99.1#
89 47.8 37.8 56.6

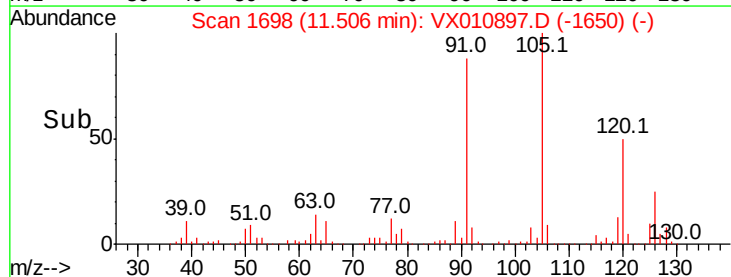
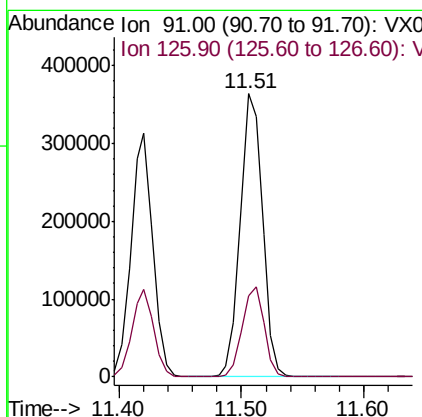
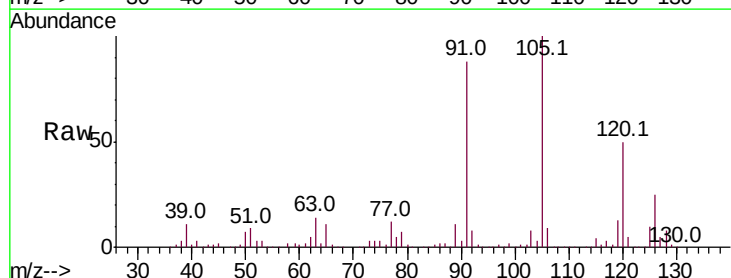
Manual Integrations
APPROVED

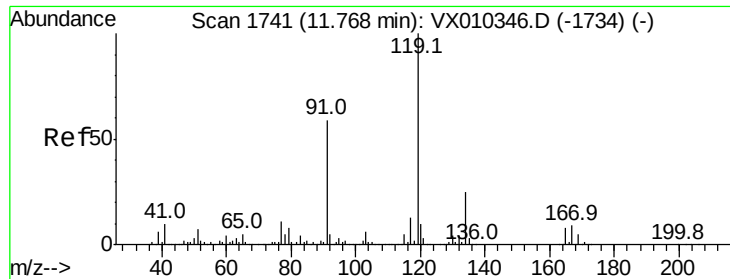
MMDadoda
7/16/2019 10:48:06 AM



#82
4-Chlorotoluene
Concen: 46.234 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Tgt Ion: 91 Resp: 456627
Ion Ratio Lower Upper
91 100
126 31.5 16.2 48.6





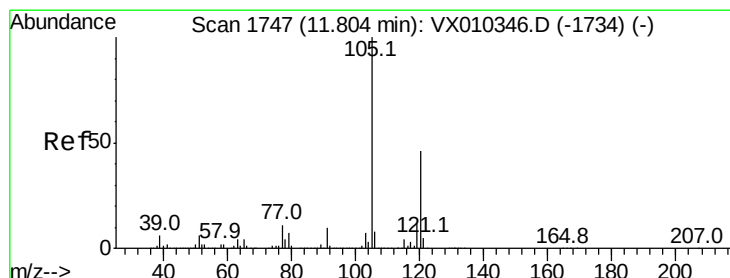
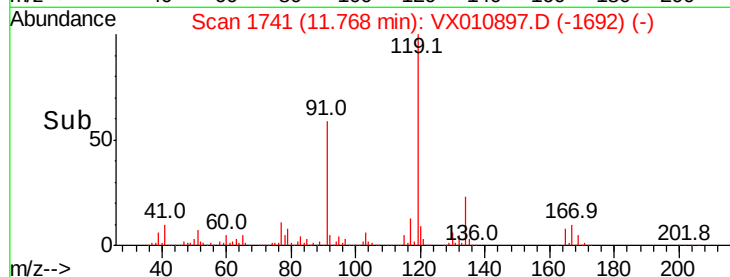
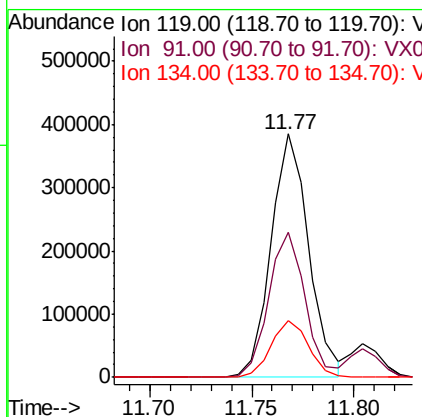
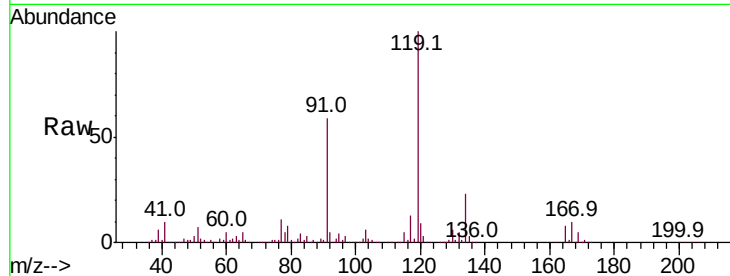
#83
 tert-Butylbenzene
 Concen: 45.037 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010897.D
 Acq: 15 Jul 2019 20:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.7	27.6	82.7
134	23.1	11.8	35.4

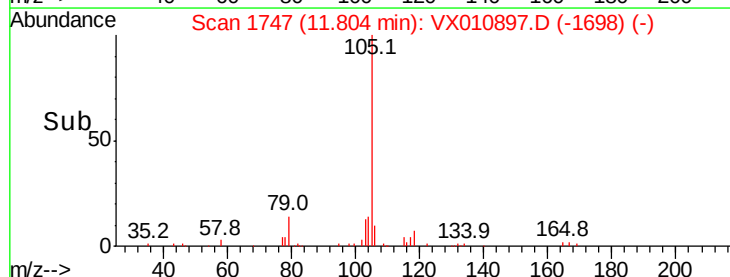
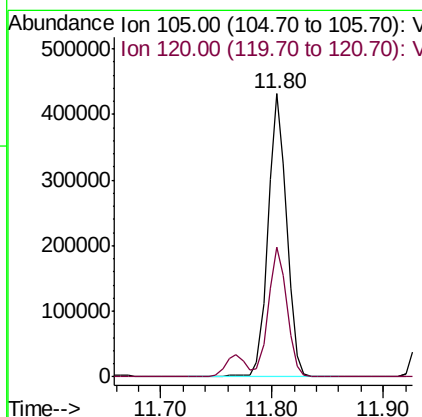
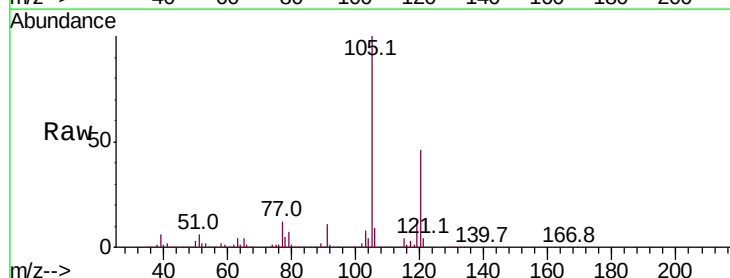
Manual Integrations
 APPROVED

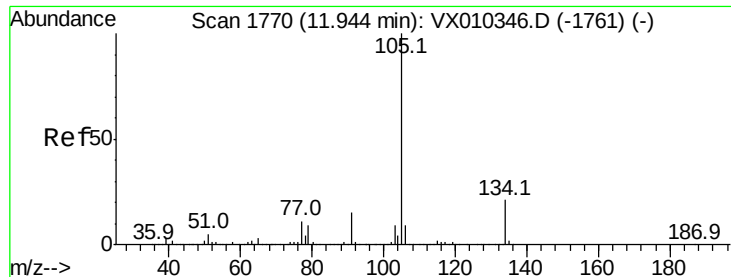
MMDadoda
 7/16/2019 10:48:06 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 45.889 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010897.D
 Acq: 15 Jul 2019 20:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.1	69.2





#85

sec-Butylbenzene

Concen: 44.896 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 578448

Ion Ratio Lower Upper

105 100

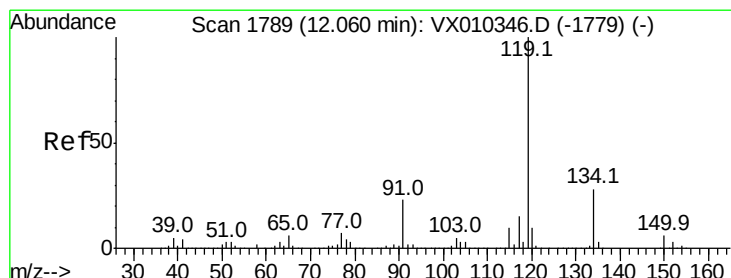
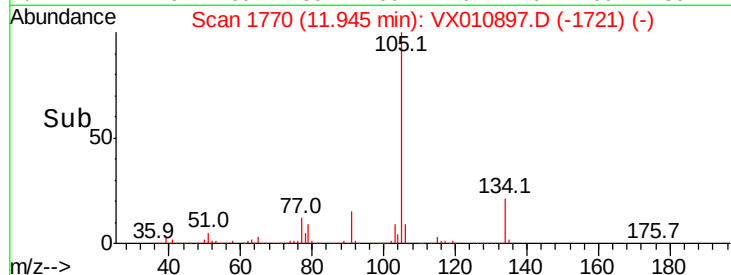
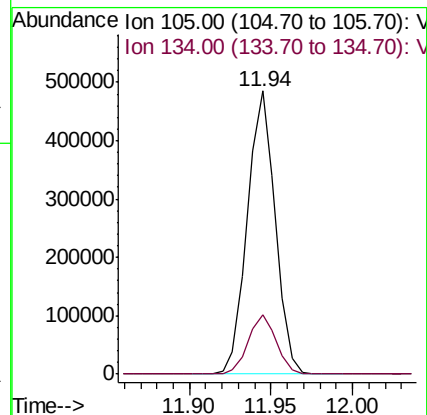
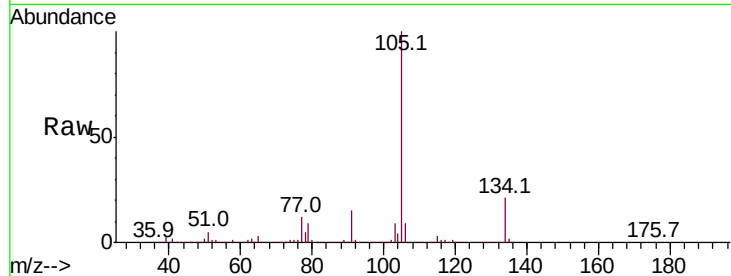
134 21.0 10.7 31.9

Manual Integrations

APPROVED

MMDadoda

7/16/2019 10:48:06 AM



#86

p-Isopropyltoluene

Concen: 44.909 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

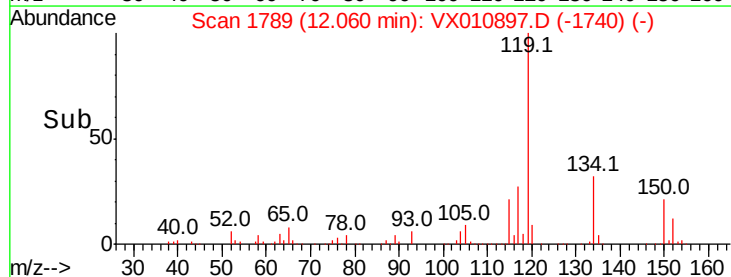
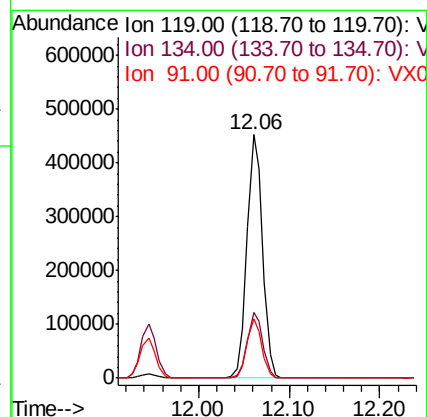
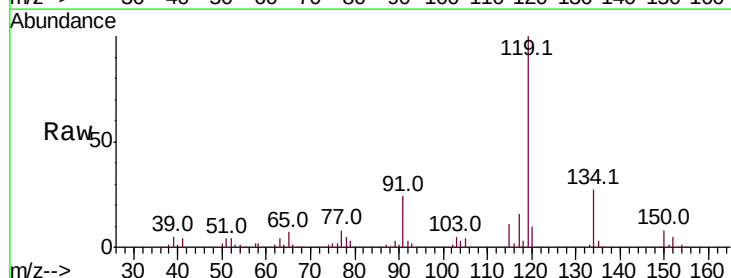
Tgt Ion:119 Resp: 535207

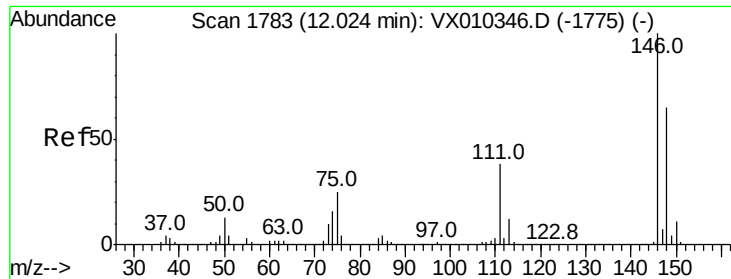
Ion Ratio Lower Upper

119 100

134 26.8 13.7 41.1

91 23.7 11.3 33.8





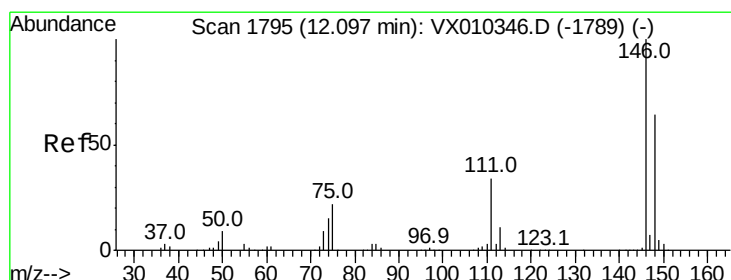
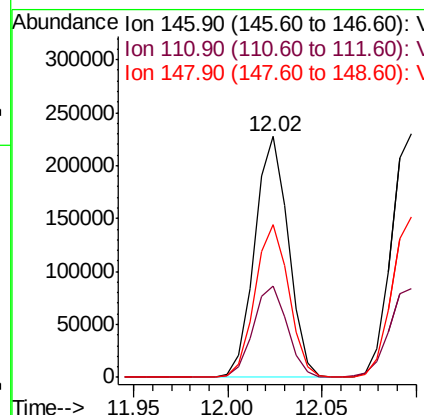
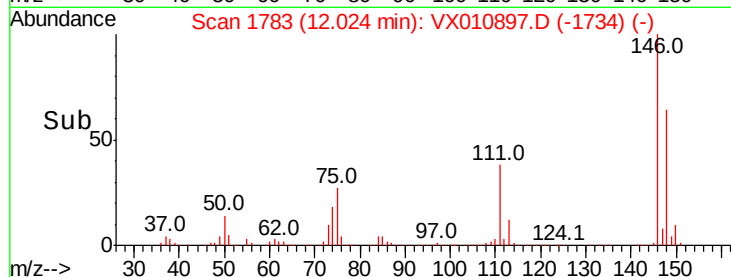
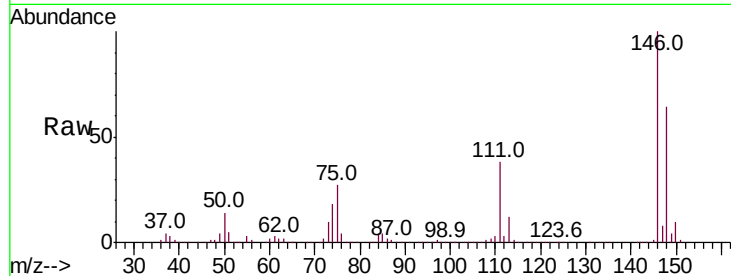
#87
 1,3-Dichlorobenzene
 Concen: 43.457 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010897.D
 Acq: 15 Jul 2019 20:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.1
148	64.0	32.5	97.4

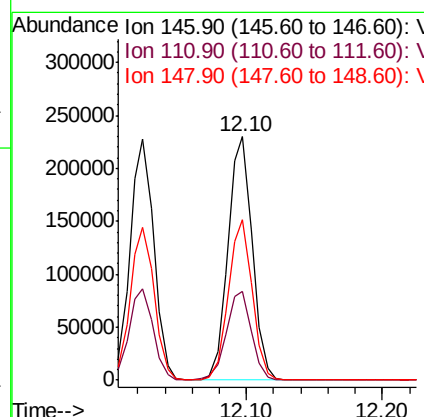
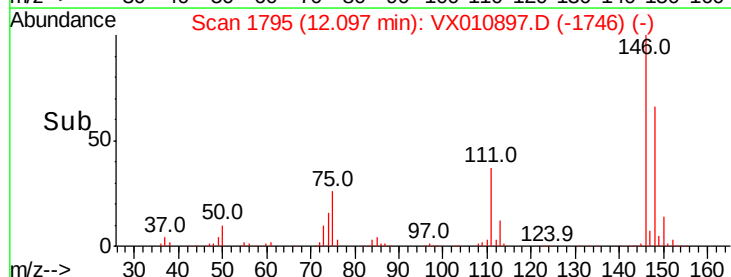
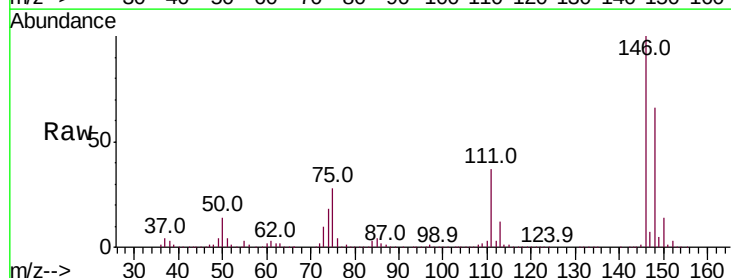
Manual Integrations
 APPROVED

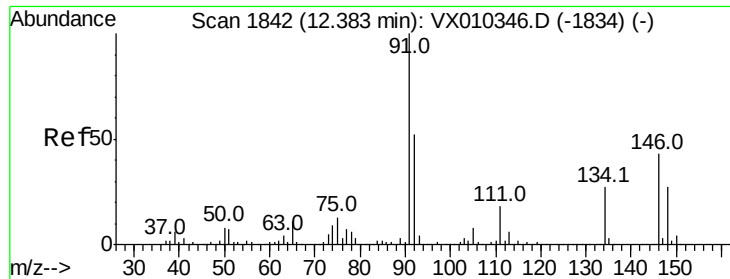
MMDadoda
 7/16/2019 10:48:06 AM



#88
 1,4-Dichlorobenzene
 Concen: 43.056 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010897.D
 Acq: 15 Jul 2019 20:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.1	54.3
148	64.4	32.1	96.3





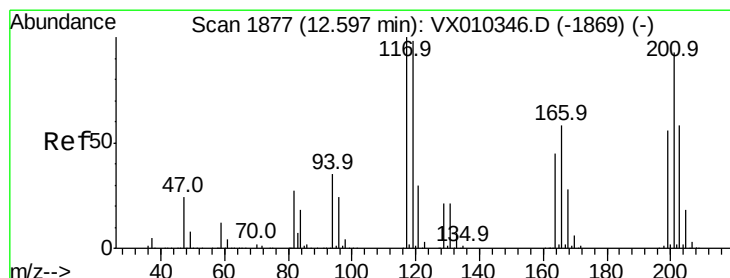
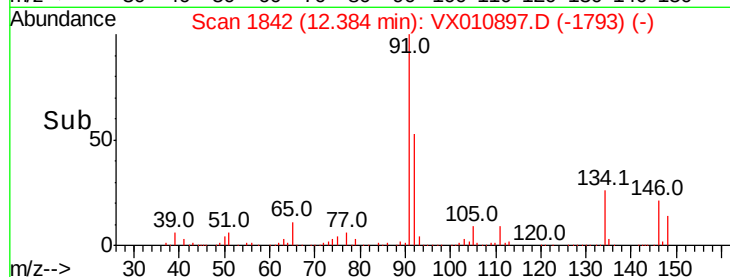
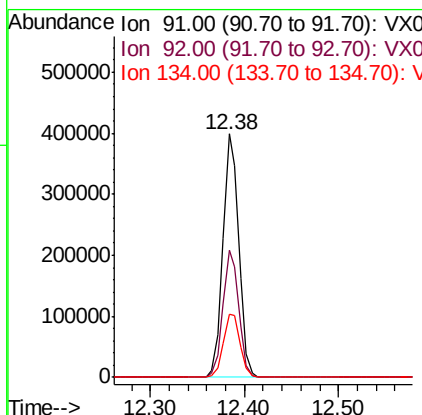
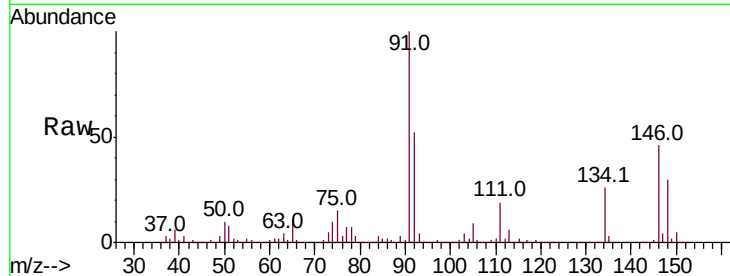
#89
n-Butylbenzene
Concen: 45.819 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.5
134	27.2	14.1	42.4

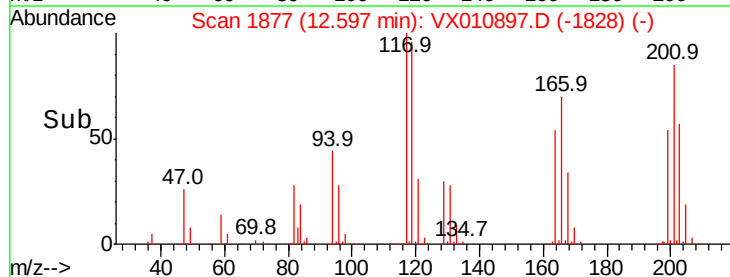
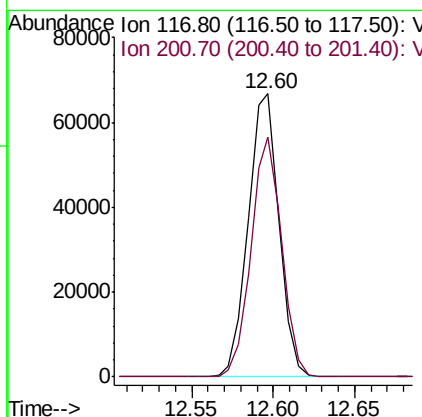
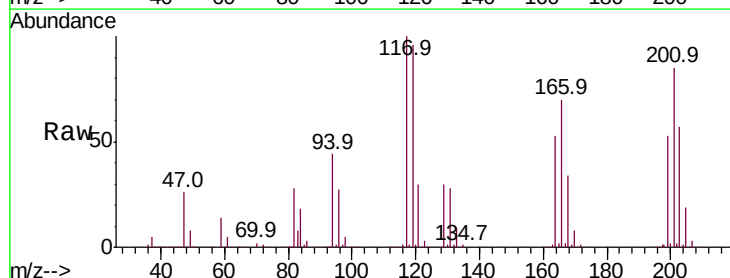
Manual Integrations
APPROVED

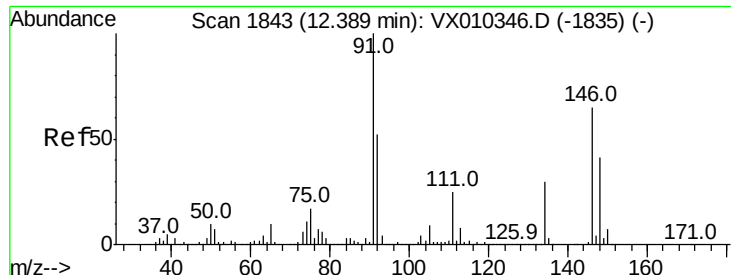
MMDadoda
7/16/2019 10:48:06 AM



#90
Hexachloroethane
Concen: 42.653 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010897.D
Acq: 15 Jul 2019 20:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.7	44.0	131.8





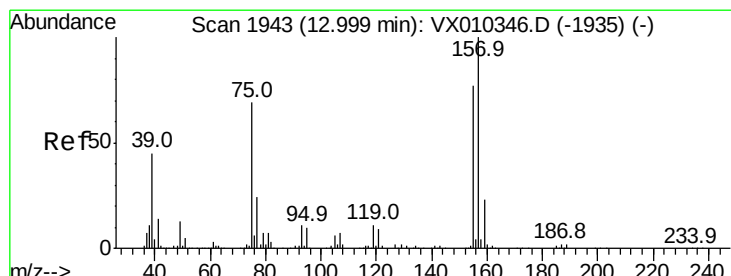
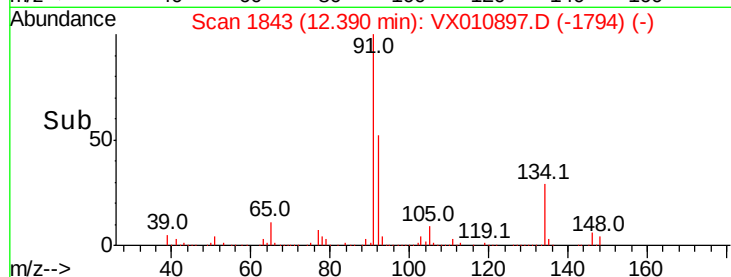
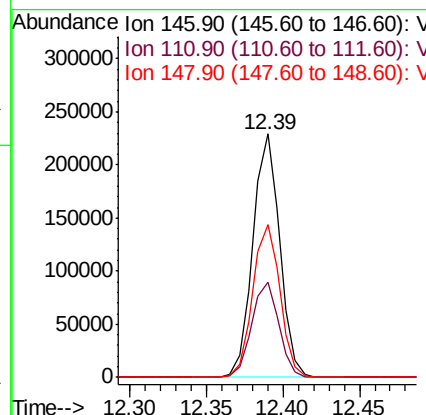
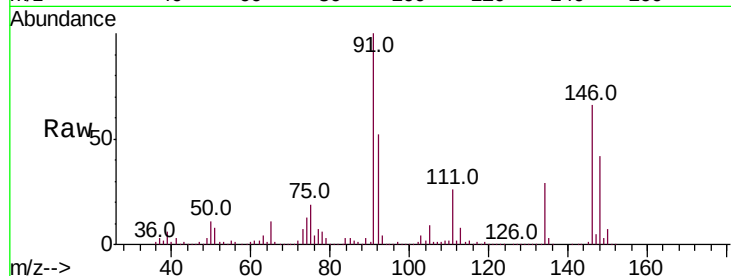
#91
 1,2-Dichlorobenzene
 Concen: 43.338 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010897.D
 Acq: 15 Jul 2019 20:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.2	57.6
148	63.9	32.0	96.0

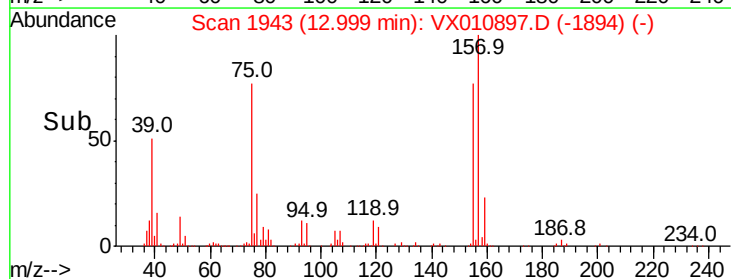
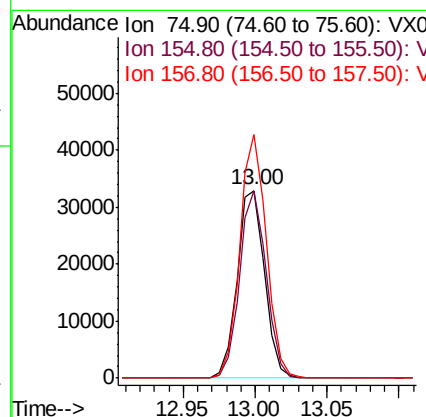
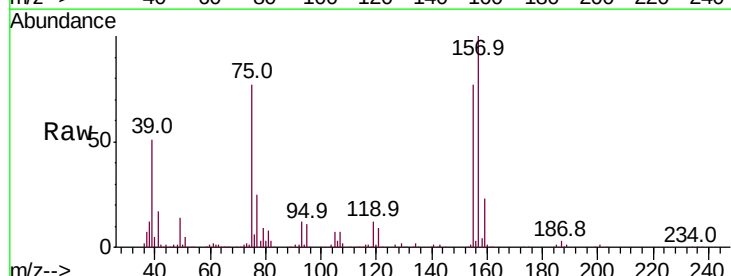
Manual Integrations
 APPROVED

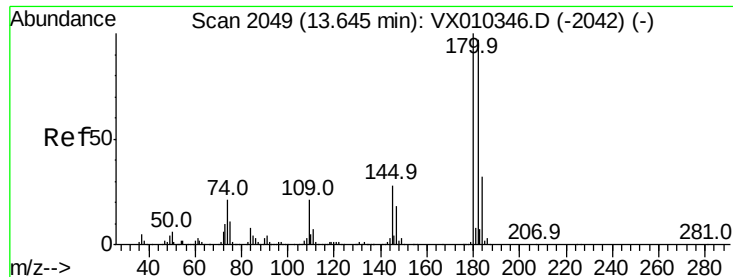
MMDadoda
 7/16/2019 10:48:06 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.467 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010897.D
 Acq: 15 Jul 2019 20:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.1	54.4	163.1
157	124.0	69.5	208.3





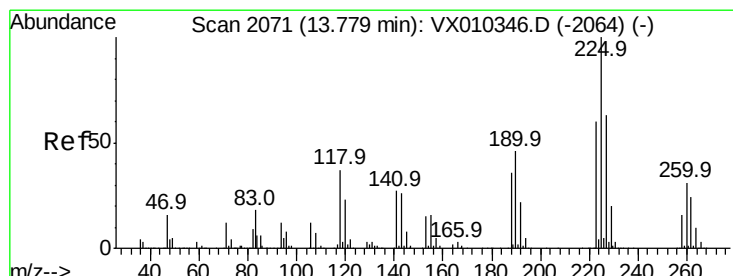
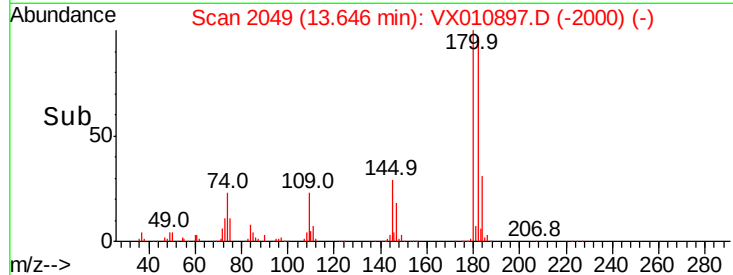
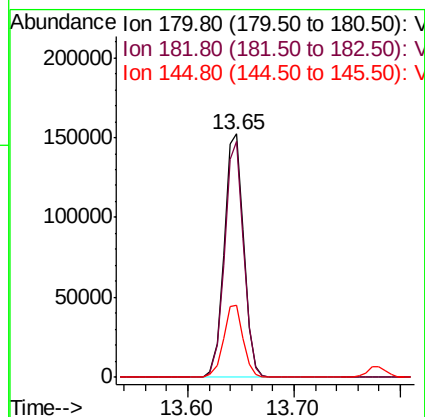
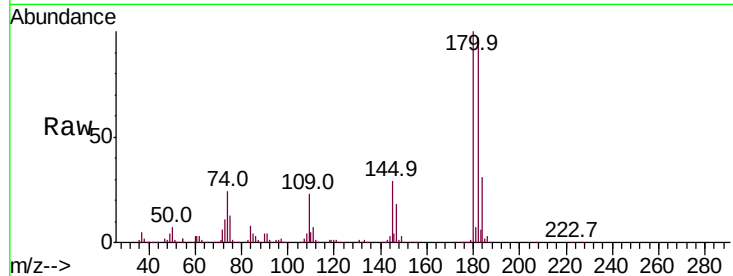
#93
 1,2,4-Trichlorobenzene
 Concen: 43.637 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010897.D
 Acq: 15 Jul 2019 20:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	194418
Ion Ratio	Lower	Upper	
180	100		
182	94.7	48.0	144.0
145	29.5	14.4	43.4

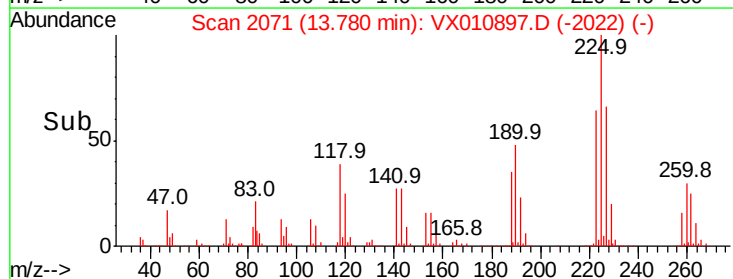
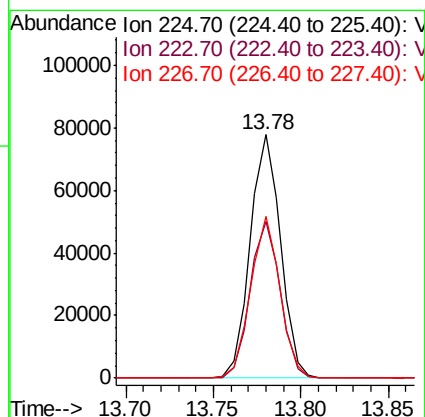
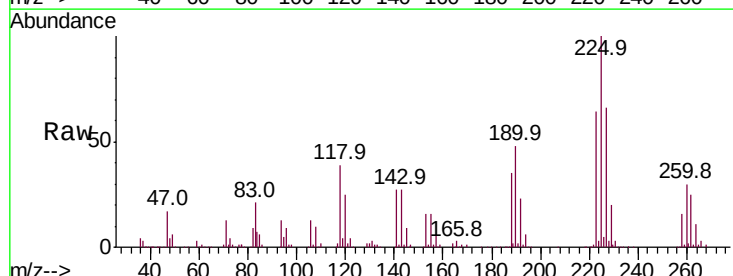
Manual Integrations
 APPROVED

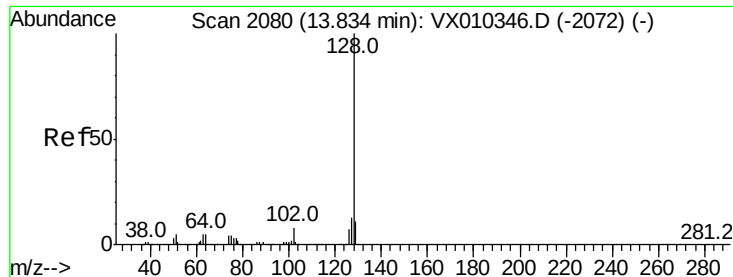
MMDadoda
 7/16/2019 10:48:06 AM



#94
 Hexachlorobutadiene
 Concen: 42.931 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010897.D
 Acq: 15 Jul 2019 20:07

Tgt Ion:	225	Resp:	93481
Ion Ratio	Lower	Upper	
225	100		
223	63.7	30.9	92.7
227	64.3	31.9	95.5





#95

Naphthalene

Concen: 43.728 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Instrument :

MSVOA_X

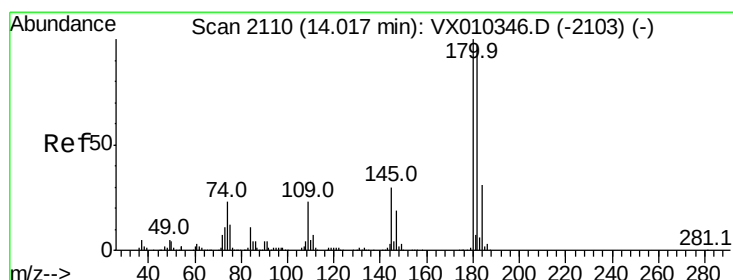
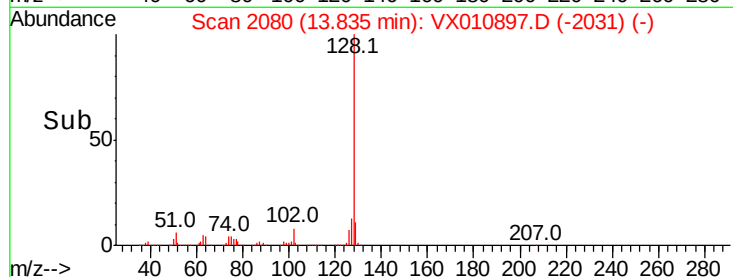
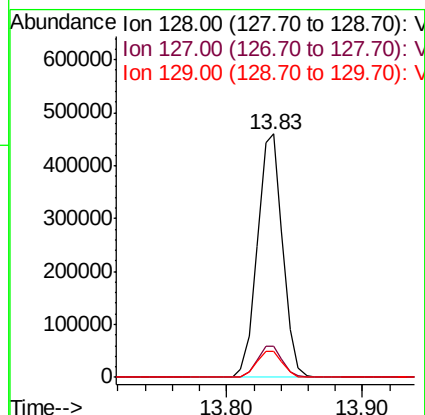
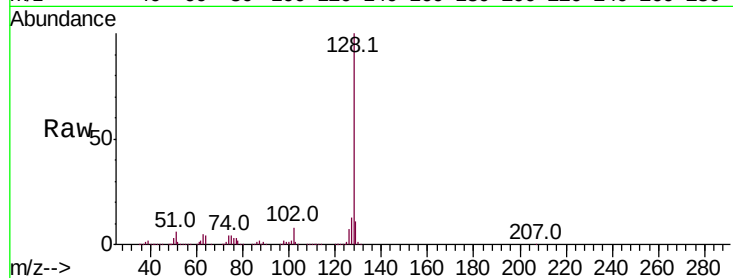
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	598702
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/16/2019 10:48:06 AM



#96

1,2,3-Trichlorobenzene

Concen: 43.532 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010897.D

Acq: 15 Jul 2019 20:07

Tgt Ion:	180	Resp:	192836
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.8	143.3
145	31.6	15.2	45.6

