

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040419\
 Data File : VX008649.D
 Acq On : 04 Apr 2019 20:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/5/2019 11:12:32 AM

Quant Time: Apr 05 08:48:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	183943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	310578	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	280070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	126888	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	125690	46.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.70%	
35) Dibromofluoromethane	5.50	113	93697	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	
50) Toluene-d8	8.71	98	376568	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
62) 4-Bromofluorobenzene	11.13	95	136541	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	91402	43.168	ug/l	99
3) Chloromethane	1.32	50	125936	48.481	ug/l	100
4) Vinyl Chloride	1.40	62	124775	43.593	ug/l	100
5) Bromomethane	1.64	94	48718	35.135	ug/l	100
6) Chloroethane	1.71	64	74994	47.845	ug/l	99
7) Trichlorofluoromethane	1.92	101	142289	44.971	ug/l	100
8) Diethyl Ether	2.18	74	68633	45.742	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	90035	44.198	ug/l	100
10) Methyl Iodide	2.51	142	47916	27.762	ug/l	100
11) Tert butyl alcohol	3.05	59	152484	242.769	ug/l	100
12) 1,1-Dichloroethene	2.37	96	95622	44.966	ug/l	99
13) Acrolein	2.29	56	51139	164.198	ug/l	97
14) Allyl chloride	2.73	41	220043	45.200	ug/l	99
15) Acrylonitrile	3.14	53	380658	228.767	ug/l	99
16) Acetone	2.45	43	323793	209.537	ug/l	99
17) Carbon Disulfide	2.57	76	278371	45.261	ug/l	100
18) Methyl Acetate	2.78	43	165842	44.251	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	361619	47.617	ug/l	98
20) Methylene Chloride	2.85	84	113809	43.999	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	99637	43.317	ug/l	97
22) Diisopropyl ether	3.85	45	431359	45.973	ug/l	93
23) Vinyl Acetate	3.81	43	1942877	238.022	ug/l	100
24) 1,1-Dichloroethane	3.70	63	212427	45.726	ug/l	99
25) 2-Butanone	4.67	43	562210	230.191	ug/l	100
26) 2,2-Dichloropropane	4.58	77	136921	41.846	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	117704	44.507	ug/l	99
28) Bromochloromethane	5.02	49	104692	54.203	ug/l	100
29) Tetrahydrofuran	5.13	42	372398	229.726	ug/l	100
30) Chloroform	5.21	83	190127	45.821	ug/l	98
31) Cyclohexane	5.58	56	203753	43.955	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	156482	46.669	ug/l	99
36) 1,1-Dichloropropene	5.80	75	149140	43.930	ug/l	99
37) Ethyl Acetate	4.84	43	213007	47.006	ug/l	99
38) Carbon Tetrachloride	5.79	117	129442	46.067	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040419\
 Data File : VX008649.D
 Acq On : 04 Apr 2019 20:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/5/2019 11:12:32 AM

Quant Time: Apr 05 08:48:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	180192	42.966	ug/l	98
40) Benzene	6.14	78	460353	45.517	ug/l	99
41) Methacrylonitrile	5.04	41	119839	46.008	ug/l	100
42) 1,2-Dichloroethane	6.20	62	162790	44.897	ug/l	100
43) Isopropyl Acetate	6.45	43	341916	48.166	ug/l	100
44) Trichloroethene	7.21	130	105452	44.767	ug/l	99
45) 1,2-Dichloropropane	7.51	63	130540	45.220	ug/l	99
46) Dibromomethane	7.66	93	74643	44.582	ug/l	99
47) Bromodichloromethane	7.90	83	147604	46.757	ug/l	99
48) Methyl methacrylate	7.77	41	171519	47.766	ug/l	100
49) 1,4-Dioxane	7.74	88	62076	922.834	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	1113965	243.775	ug/l	100
52) Toluene	8.79	92	277022	46.459	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	169560	47.950	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	189206	46.826	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	112052	46.816	ug/l	99
56) Ethyl methacrylate	9.18	69	214152	49.452	ug/l	99
57) 1,3-Dichloropropane	9.37	76	199662	46.456	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	532686	240.898	ug/l	99
59) 2-Hexanone	9.49	43	846117	238.256	ug/l	100
60) Dibromochloromethane	9.58	129	109168	48.403	ug/l	99
61) 1,2-Dibromoethane	9.67	107	115488	46.349	ug/l	98
64) Tetrachloroethene	9.34	164	91600	44.144	ug/l	98
65) Chlorobenzene	10.14	112	280562	45.192	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	100284	46.045	ug/l	99
67) Ethyl Benzene	10.25	91	528055	45.615	ug/l	100
68) m/p-Xylenes	10.36	106	379009	91.057	ug/l	100
69) o-Xylene	10.69	106	186584	46.255	ug/l	98
70) Styrene	10.71	104	324204	46.626	ug/l	100
71) Bromoform	10.85	173	81272	48.858	ug/l #	98
73) Isopropylbenzene	11.02	105	488692	46.473	ug/l	100
74) N-amyl acetate	10.90	43	299478	48.406	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	185794	46.457	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	159636m	45.797	ug/l	
77) Bromobenzene	11.26	156	118525	46.886	ug/l	99
78) n-propylbenzene	11.36	91	568098	46.398	ug/l	99
79) 2-Chlorotoluene	11.42	91	339059	45.760	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	411515	46.620	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	60682	47.988	ug/l	99
82) 4-Chlorotoluene	11.51	91	389276	45.387	ug/l	99
83) tert-Butylbenzene	11.77	119	395467	46.568	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	416804	46.634	ug/l	100
85) sec-Butylbenzene	11.94	105	469566	46.551	ug/l	99
86) p-Isopropyltoluene	12.06	119	424127	46.846	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	205527	45.414	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	204864	44.704	ug/l	100
89) n-Butylbenzene	12.38	91	392512	46.228	ug/l	99
90) Hexachloroethane	12.60	117	73052	48.648	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	205411	45.714	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	40712	46.276	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040419\
Data File : VX008649.D
Acq On : 04 Apr 2019 20:24
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

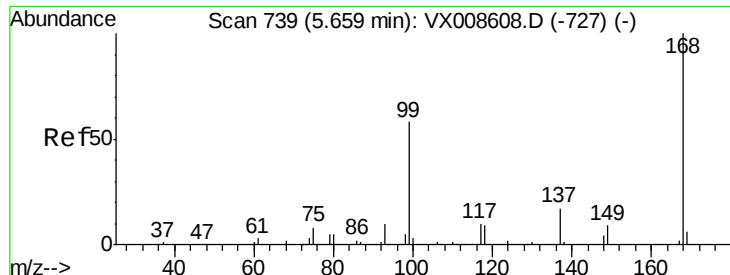
Manual Integrations
APPROVED

MMDadoda
4/5/2019 11:12:32 AM

Quant Time: Apr 05 08:48:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	142379	45.573	ug/l	98
94) Hexachlorobutadiene	13.78	225	69438	46.344	ug/l	99
95) Naphthalene	13.83	128	493388	47.251	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	142485	45.646	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. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 183943

Ion Ratio Lower Upper

168 100

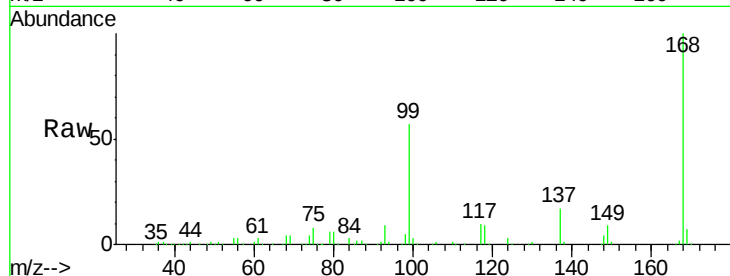
99 56.8 46.7 70.1

Manual Integrations

APPROVED

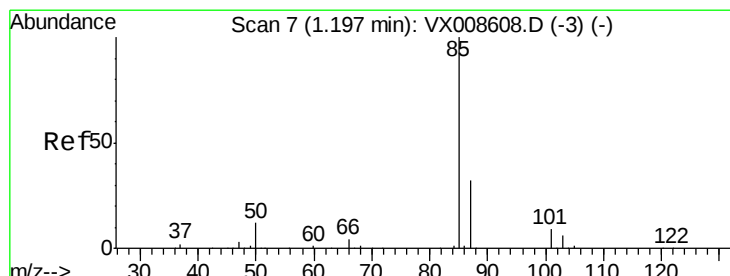
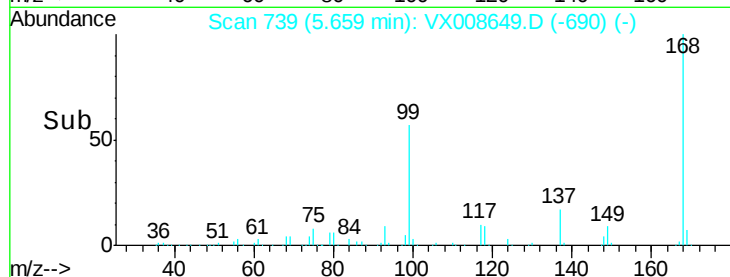
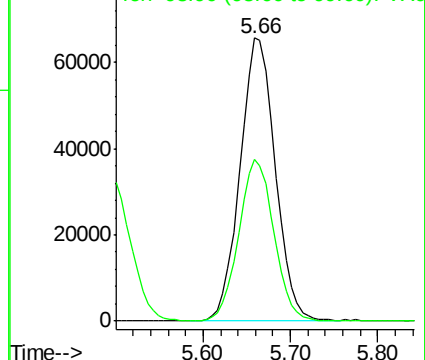
MMDadoda

4/5/2019 11:12:32 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 43.168 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008649.D

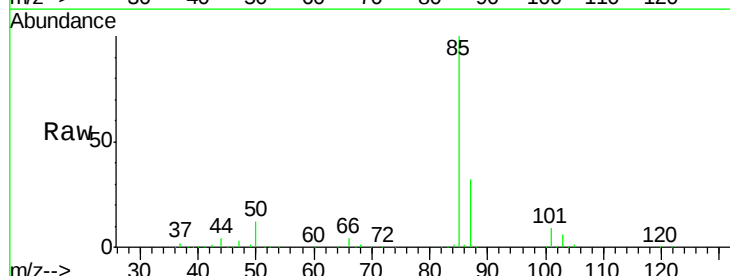
Acq: 04 Apr 2019 20:24

Tgt Ion: 85 Resp: 91402

Ion Ratio Lower Upper

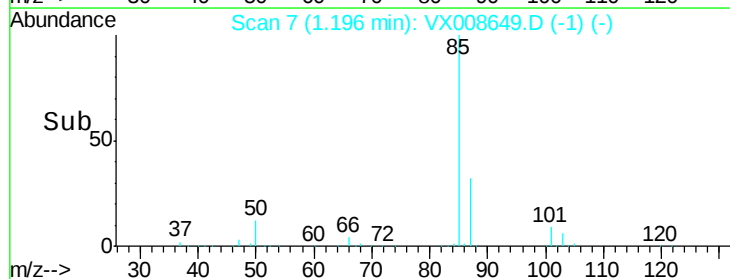
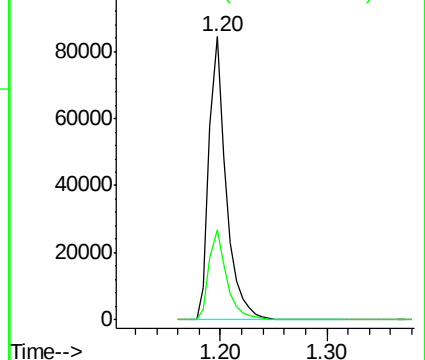
85 100

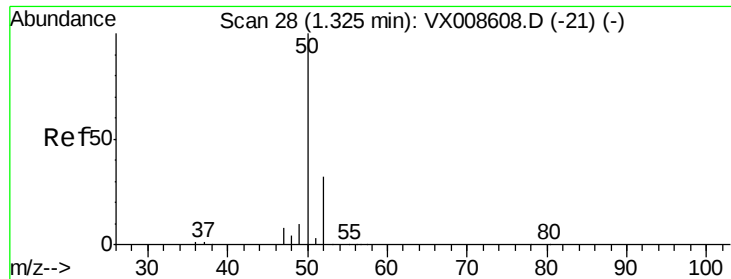
87 32.0 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 48.481 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 50 Resp: 125936

Ion Ratio Lower Upper

50 100

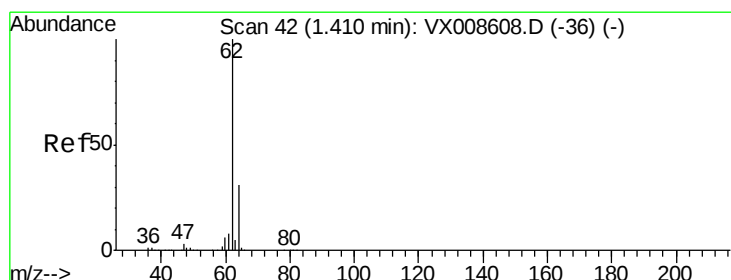
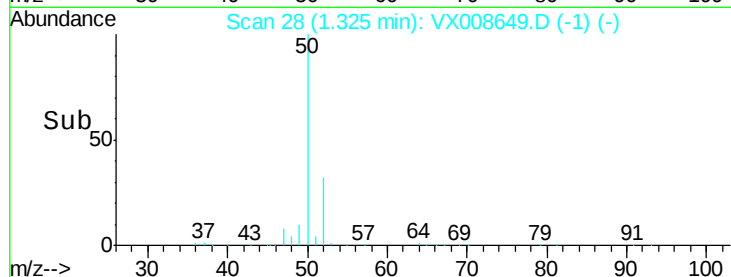
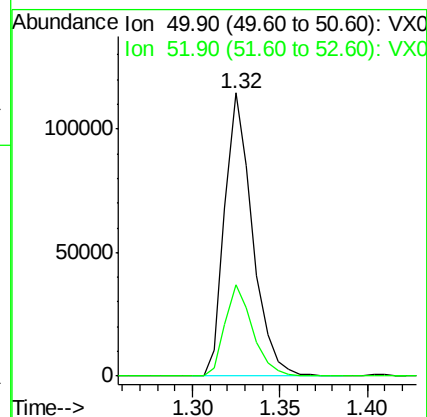
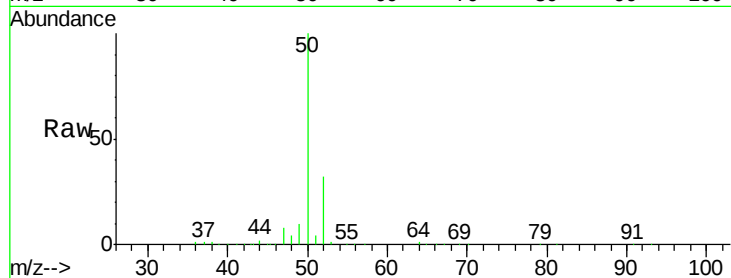
52 32.2 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

4/5/2019 11:12:32 AM



#4

Vinyl Chloride

Concen: 43.593 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008649.D

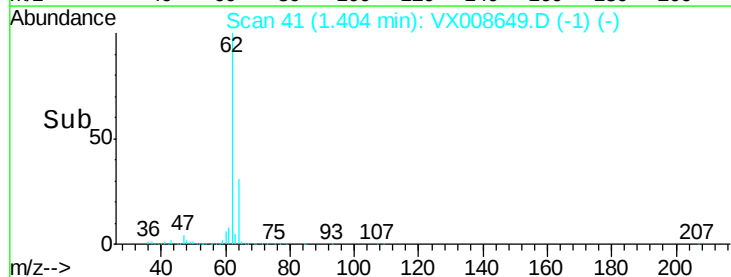
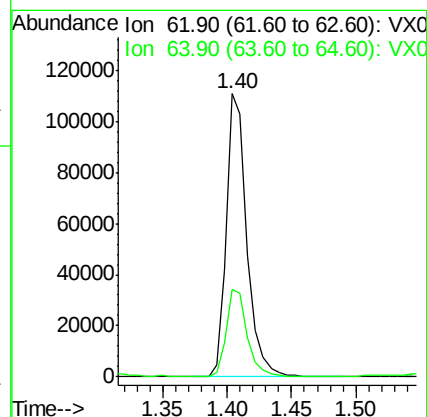
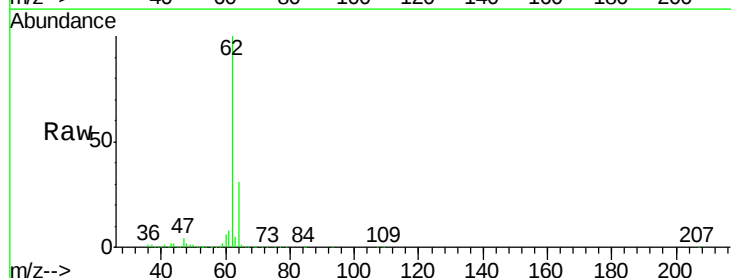
Acq: 04 Apr 2019 20:24

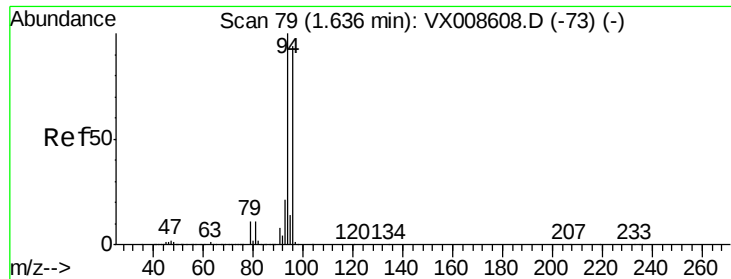
Tgt Ion: 62 Resp: 124775

Ion Ratio Lower Upper

62 100

64 30.8 24.7 37.1





#5

Bromomethane

Concen: 35.135 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 48718

Ion Ratio Lower Upper

94 100

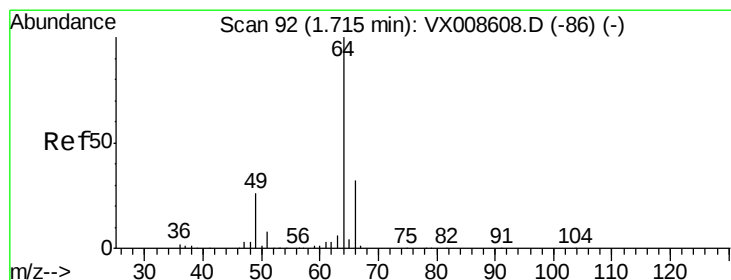
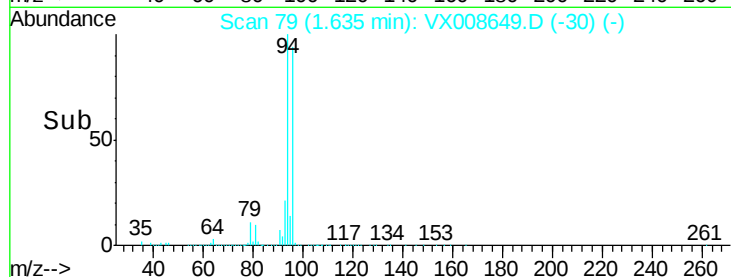
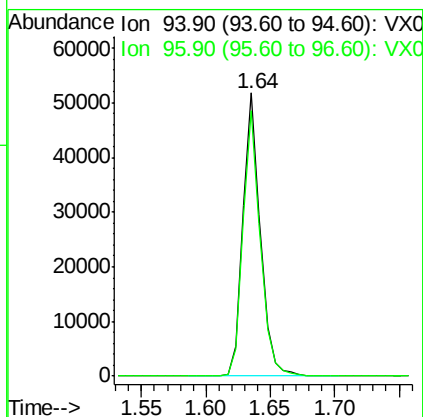
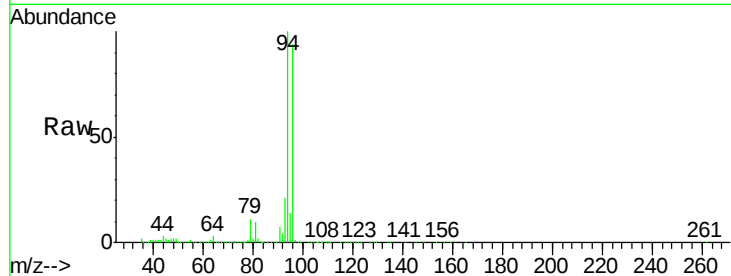
96 93.7 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

4/5/2019 11:12:32 AM



#6

Chloroethane

Concen: 47.845 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008649.D

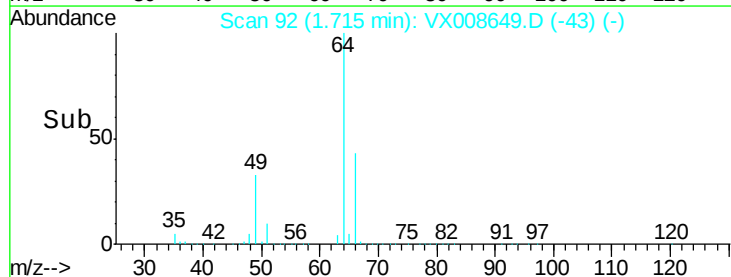
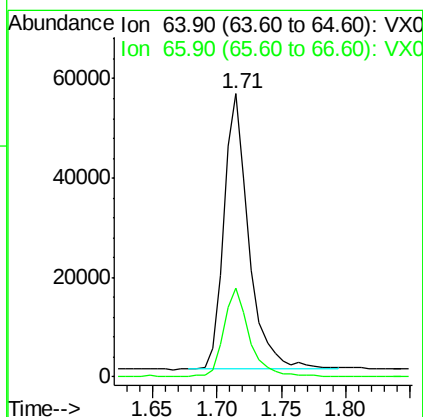
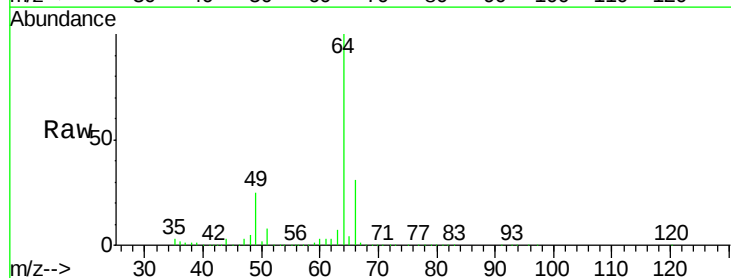
Acq: 04 Apr 2019 20:24

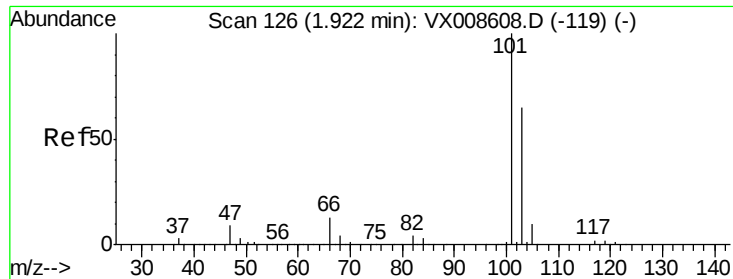
Tgt Ion: 64 Resp: 74994

Ion Ratio Lower Upper

64 100

66 32.0 25.4 38.0





#7

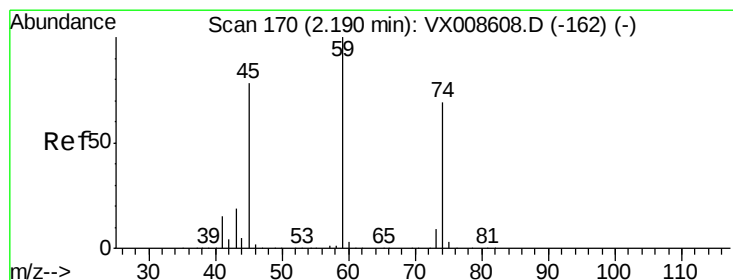
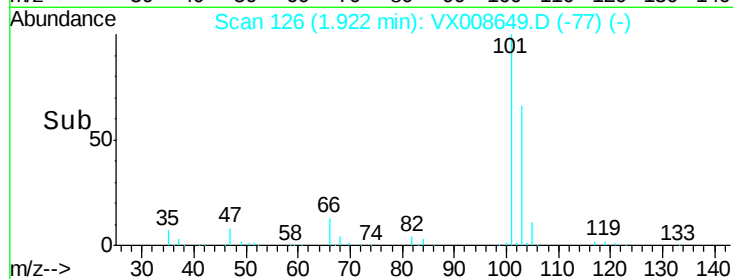
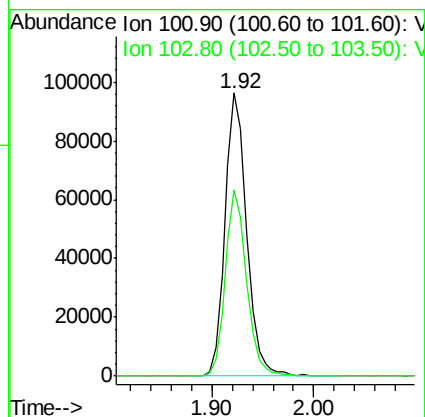
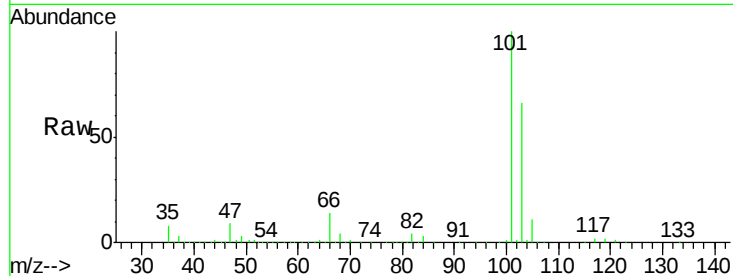
Trichlorofluoromethane
Concen: 44.971 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 142289
Ion Ratio Lower Upper
101 100
103 65.6 52.3 78.5

Manual Integrations
APPROVED

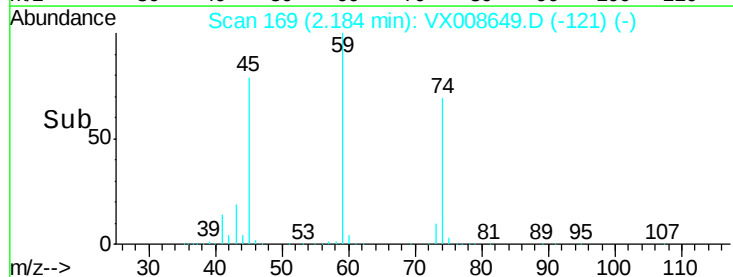
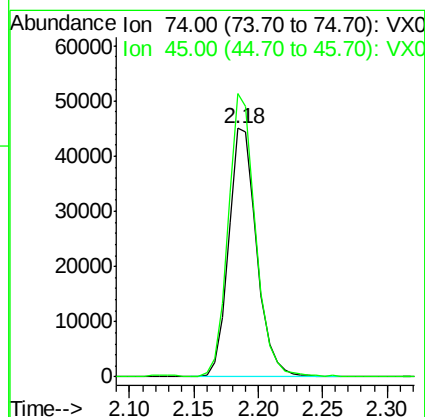
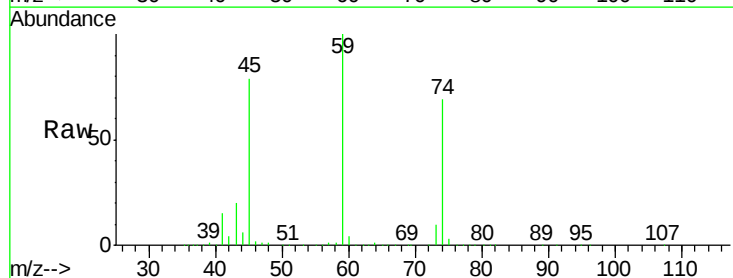
MMDadoda
4/5/2019 11:12:32 AM



#8

Diethyl Ether
Concen: 45.742 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Tgt Ion: 74 Resp: 68633
Ion Ratio Lower Upper
74 100
45 111.3 56.5 169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.198 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Instrument :

MSVOA_X

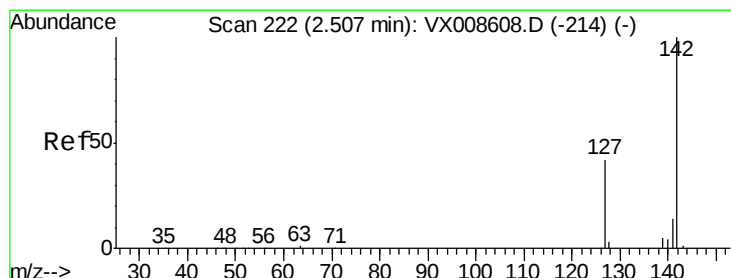
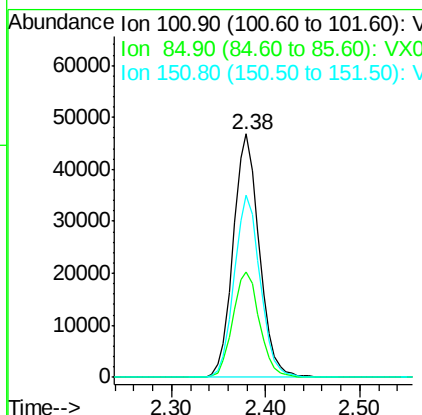
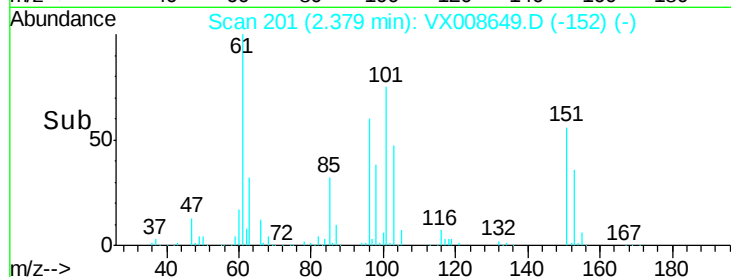
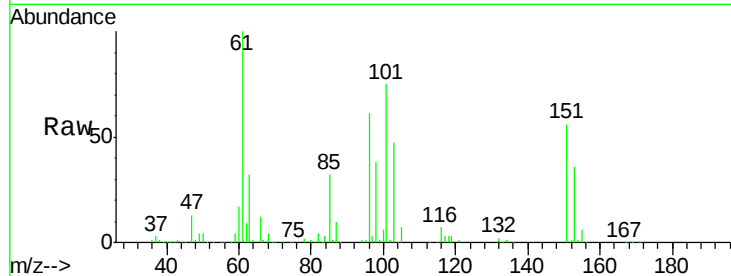
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	90035
Ion Ratio	Lower	Upper	
101	100		
85	44.4	36.0	54.0
151	74.8	59.9	89.9

Manual Integrations
APPROVED

MMDadoda
4/5/2019 11:12:32 AM



#10

Methyl Iodide

Concen: 27.762 ug/l

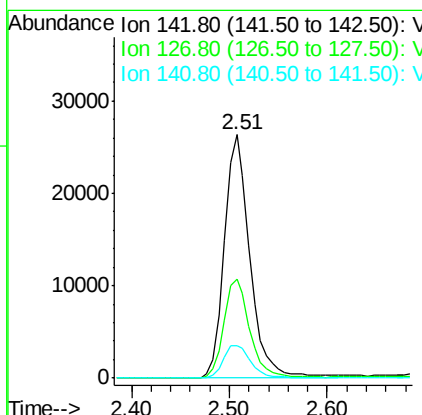
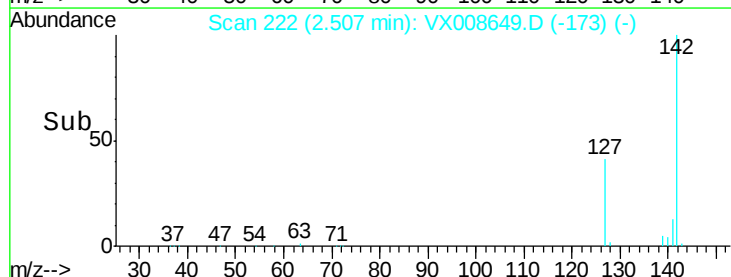
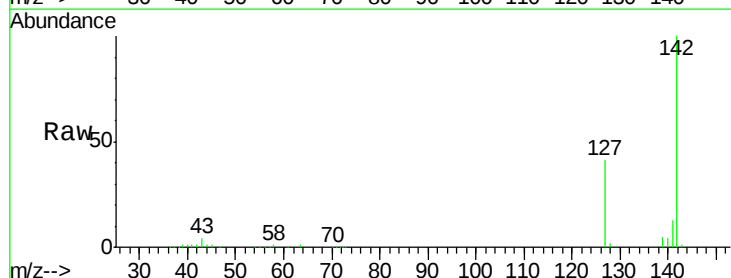
RT: 2.51 min Scan# 222

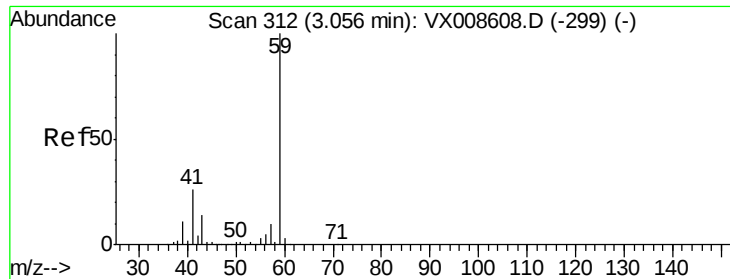
Delta R.T. 0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Tgt Ion:	142	Resp:	47916
Ion Ratio	Lower	Upper	
142	100		
127	41.4	33.0	49.6
141	14.5	11.4	17.2





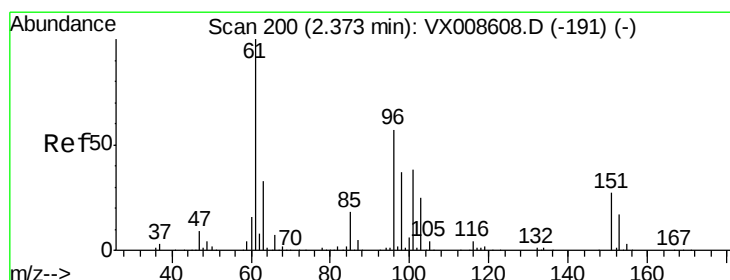
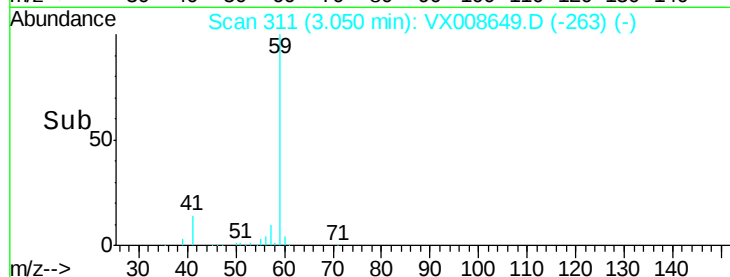
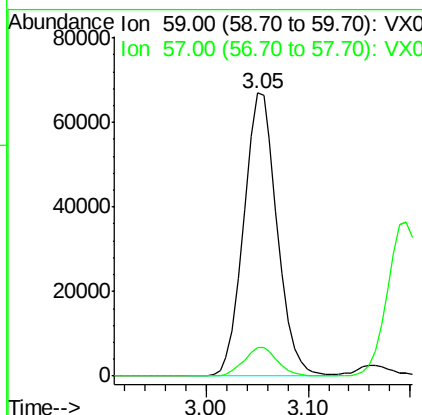
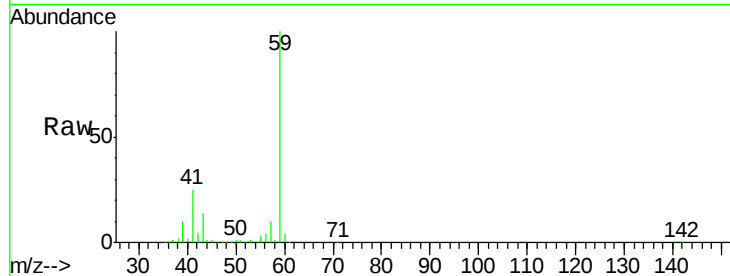
#11
Tert butyl alcohol
Concen: 242.769 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.01 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 152484
Ion Ratio Lower Upper
59 100
57 10.3 8.3 12.5

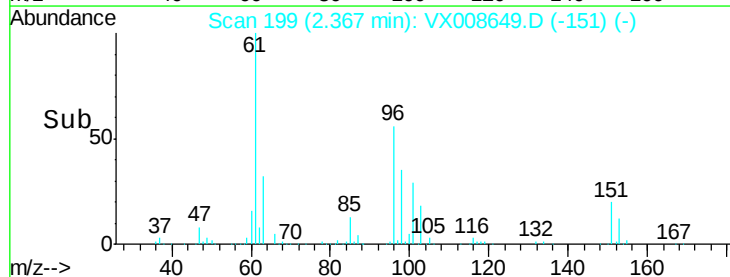
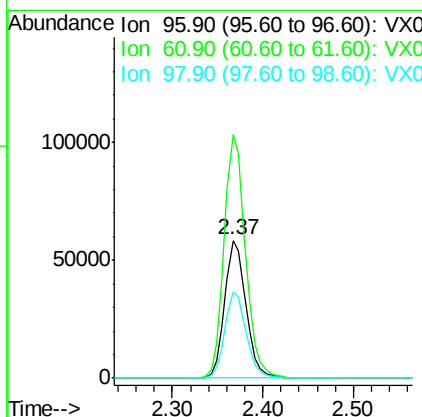
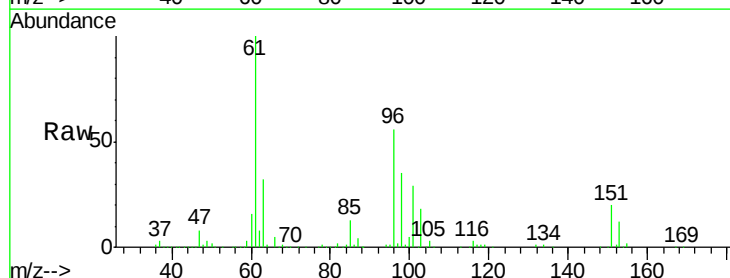
Manual Integrations
APPROVED

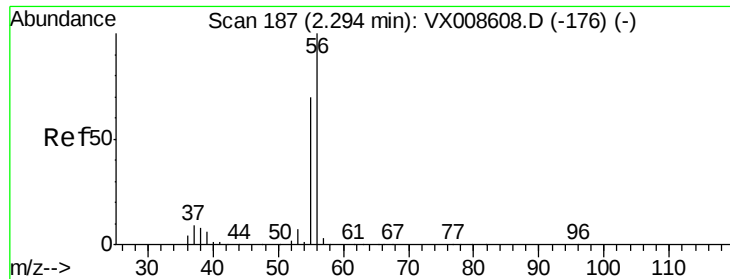
MMDadoda
4/5/2019 11:12:32 AM



#12
1,1-Dichloroethene
Concen: 44.966 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Tgt Ion: 96 Resp: 95622
Ion Ratio Lower Upper
96 100
61 177.1 140.9 211.3
98 62.4 52.1 78.1





#13

Acrolein

Concen: 164.198 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 51139

Ion Ratio Lower Upper

56 100

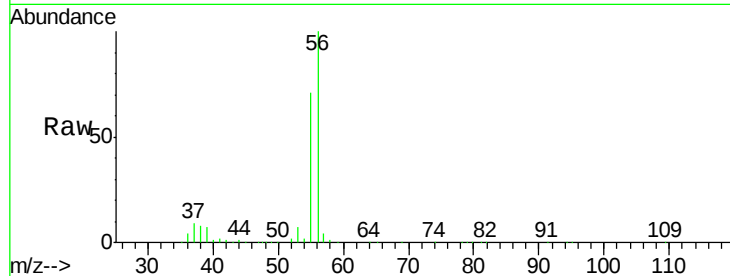
55 69.8 58.0 87.0

Manual Integrations

APPROVED

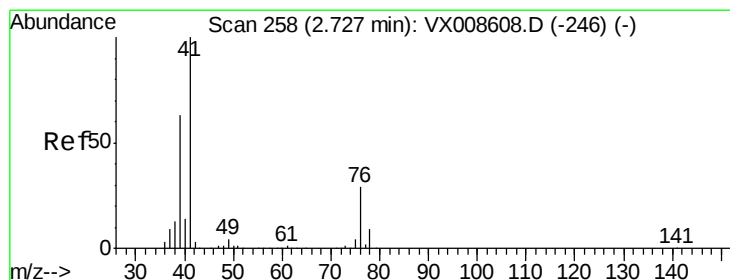
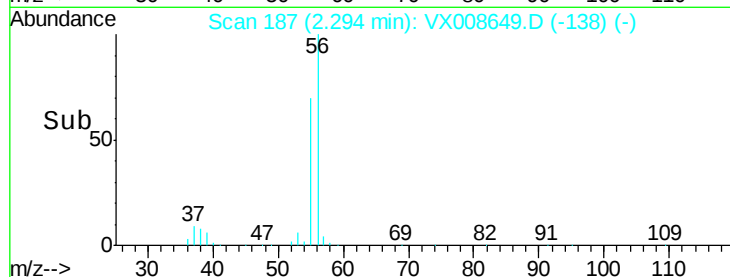
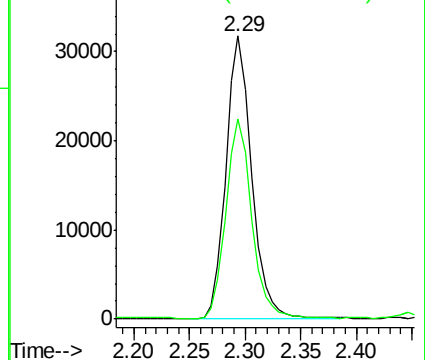
MMDadoda

4/5/2019 11:12:32 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 45.200 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

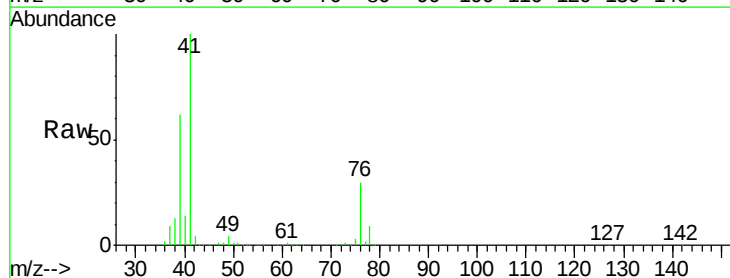
Tgt Ion: 41 Resp: 220043

Ion Ratio Lower Upper

41 100

39 59.3 48.0 72.0

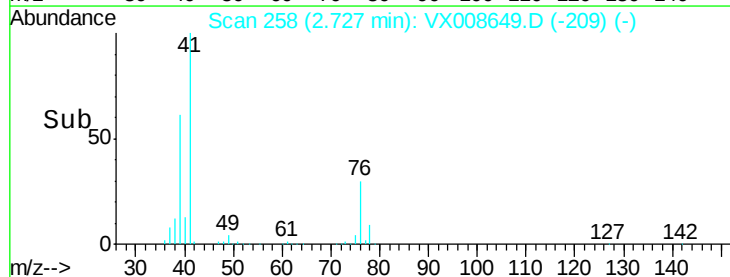
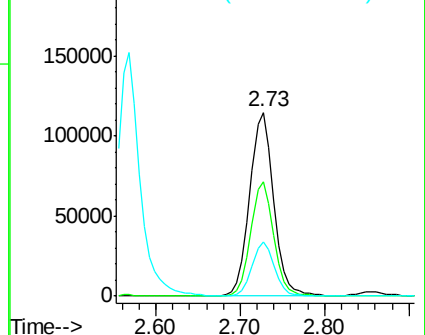
76 27.3 22.0 33.0

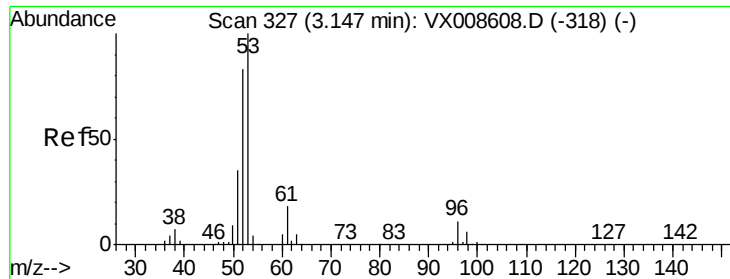


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 228.767 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Instrument :

MSVOA_X

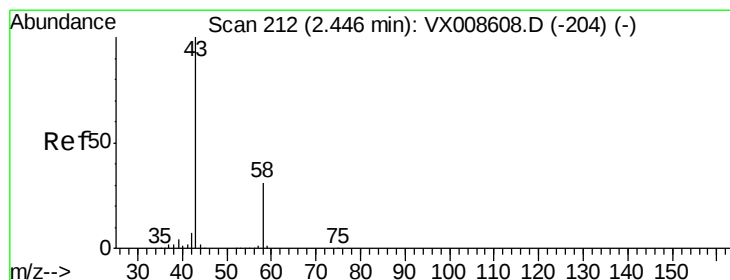
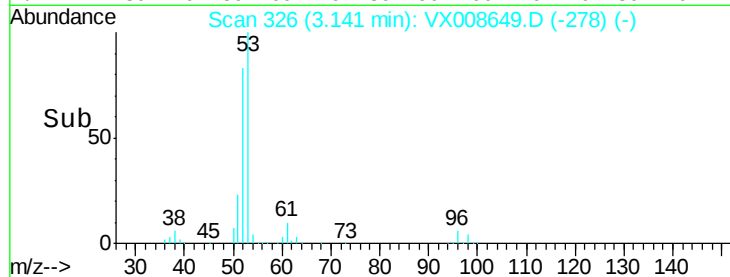
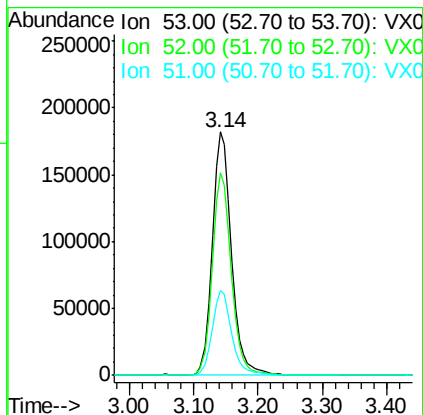
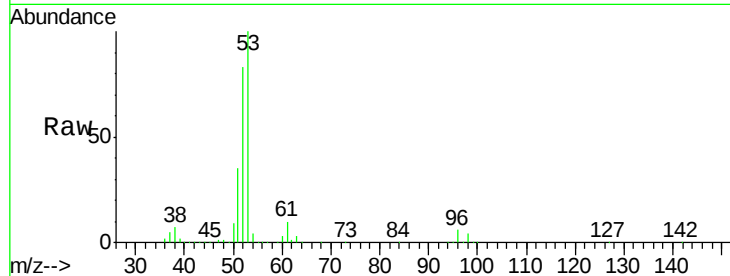
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	380658
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.5	99.7
51	35.3	28.6	42.8

Manual Integrations
APPROVED

MMDadoda
4/5/2019 11:12:32 AM



#16

Acetone

Concen: 209.537 ug/l

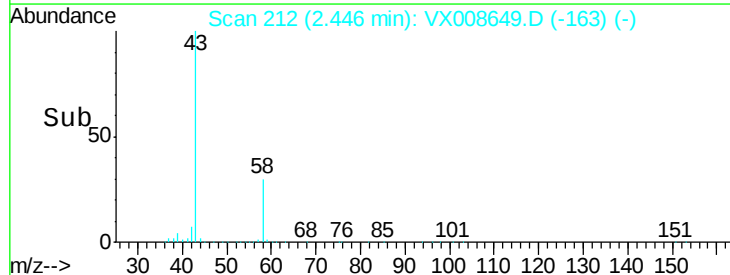
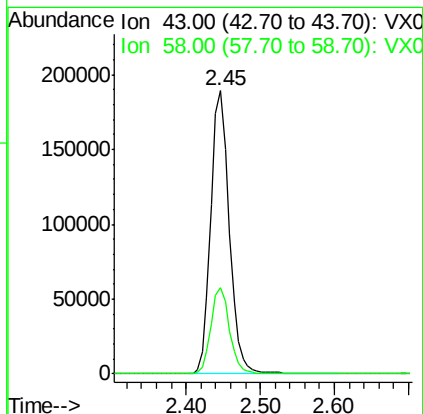
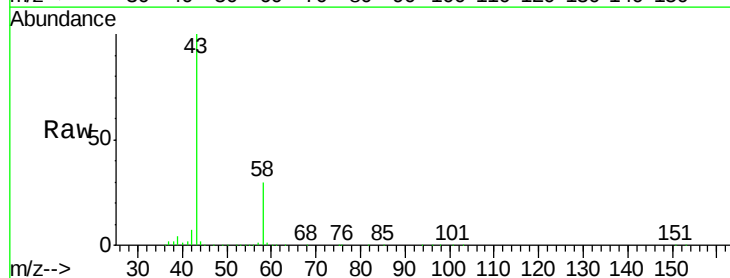
RT: 2.45 min Scan# 212

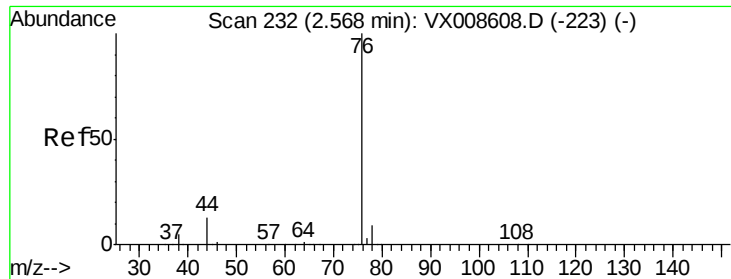
Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Tgt Ion:	43	Resp:	323793
Ion Ratio	Lower	Upper	
43	100		
58	30.3	24.8	37.2





#17

Carbon Disulfide

Concen: 45.261 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 278371

Ion Ratio Lower Upper

76 100

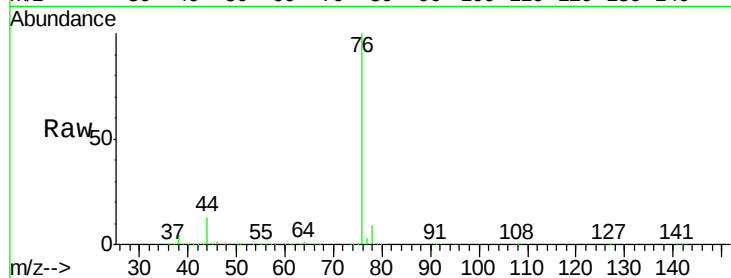
78 9.0 7.1 10.7

Manual Integrations

APPROVED

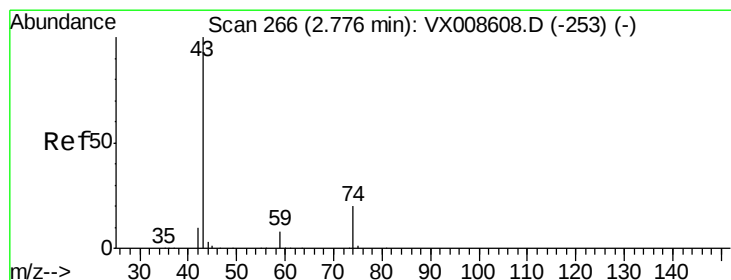
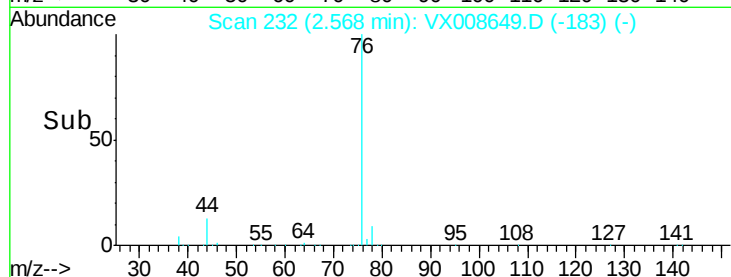
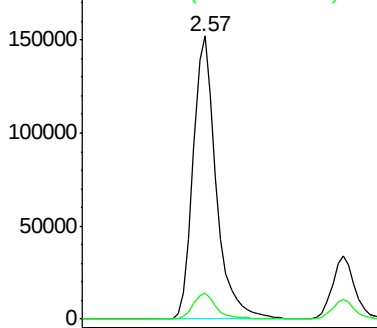
MMDadoda

4/5/2019 11:12:32 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 44.251 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX008649.D

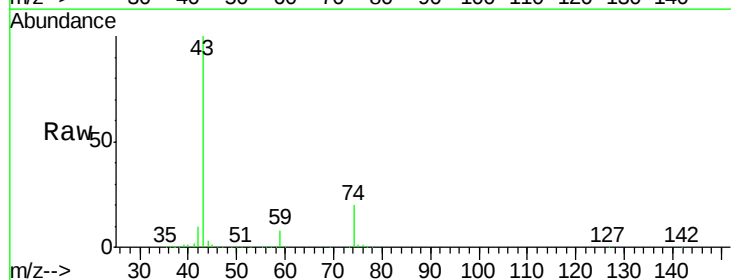
Acq: 04 Apr 2019 20:24

Tgt Ion: 43 Resp: 165842

Ion Ratio Lower Upper

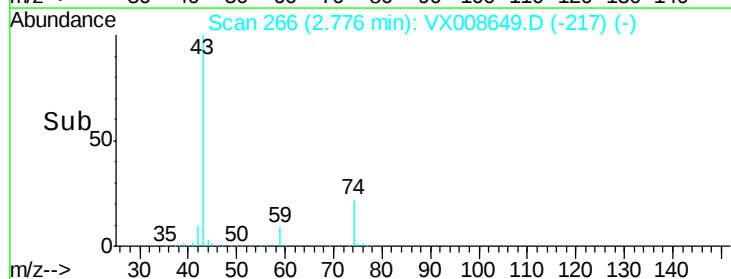
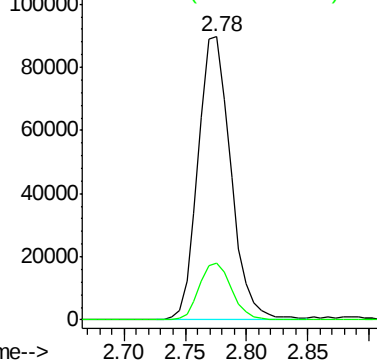
43 100

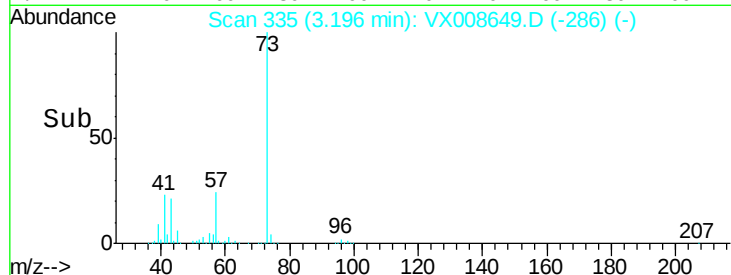
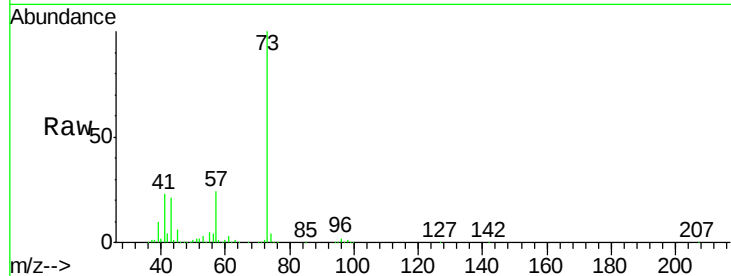
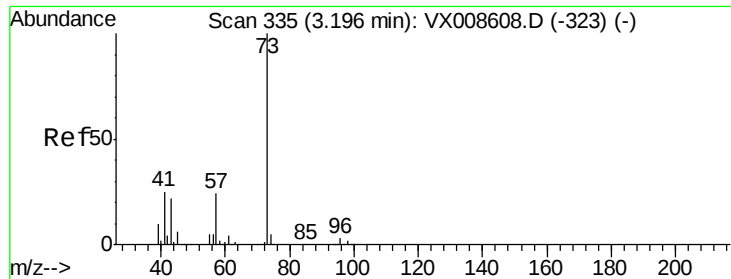
74 20.4 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





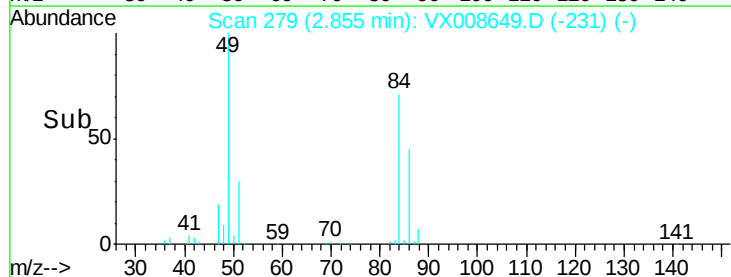
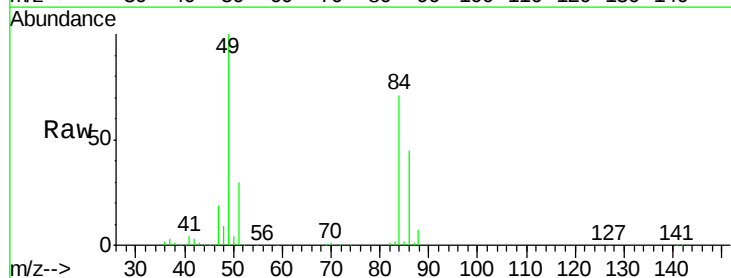
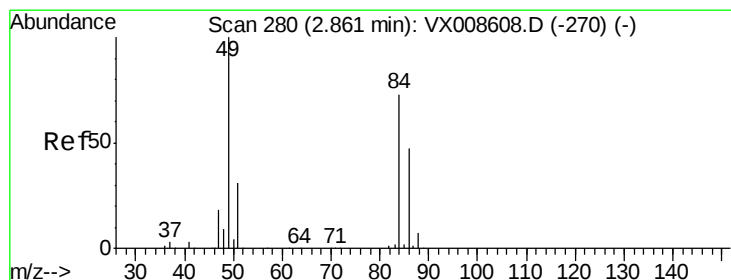
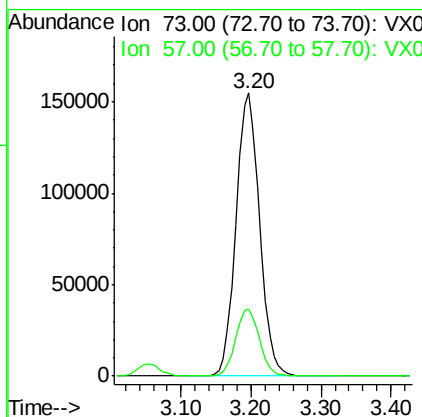
#19
Methvl tert-butvl Ether
Concen: 47.617 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Tot Ion: 73 Resp: 361619
Ion Ratio Lower Upper
73 100
57 23.6 19.5 29.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

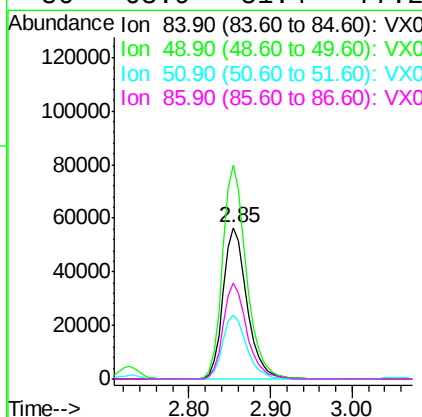
Manual Integrations
APPROVED

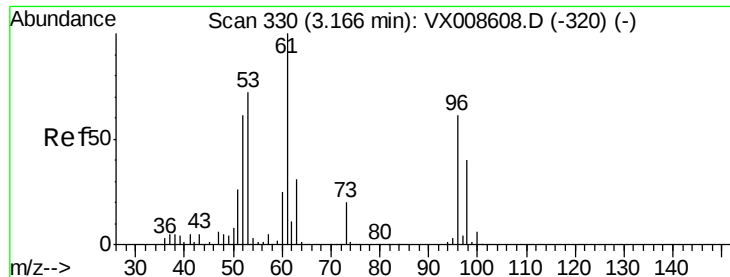
MMDadoda
4/5/2019 11:12:32 AM



#20
Methylene Chloride
Concen: 43.999 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Tgt Ion: 84 Resp: 113809
Ion Ratio Lower Upper
84 100
49 141.2 109.7 164.5
51 42.3 33.6 50.4
86 63.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 43.317 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Instrument :

MSVOA_X

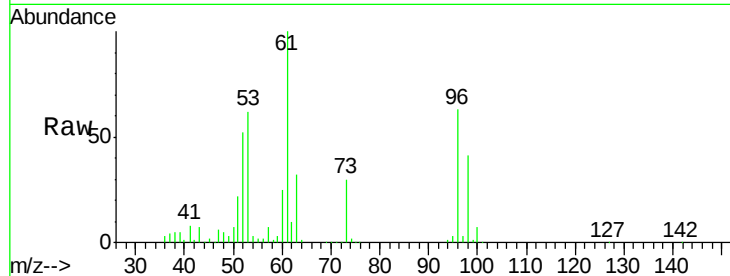
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	99637
Ion	Ratio	Lower	Upper
96	100		
61	159.4	132.1	198.1
98	64.6	52.2	78.2

Manual Integrations
APPROVED

MMDadoda
4/5/2019 11:12:32 AM

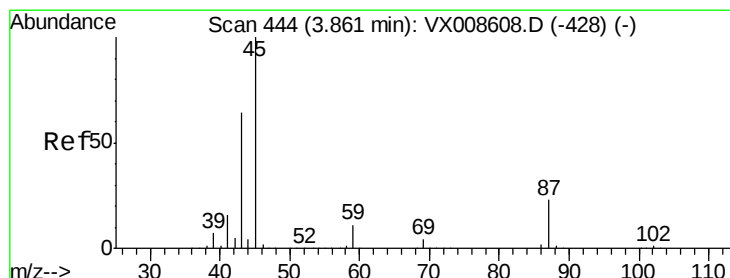
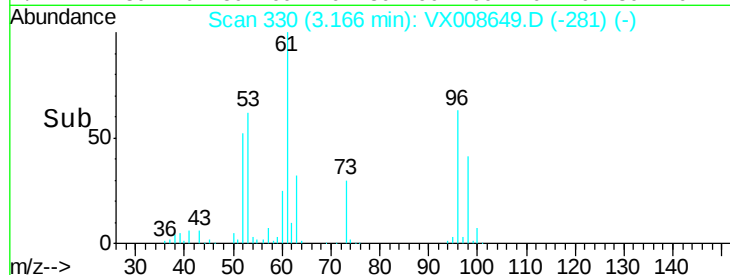
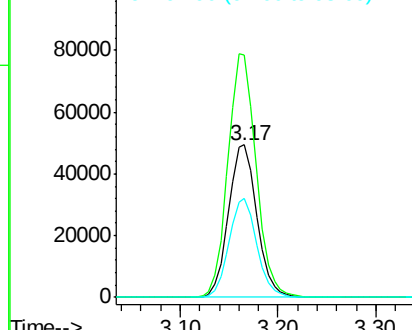


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 45.973 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.01 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Tgt Ion:	45	Resp:	431359
Ion	Ratio	Lower	Upper
45	100		
43	72.3	51.3	76.9
87	22.3	18.1	27.1
59	11.0	8.6	13.0

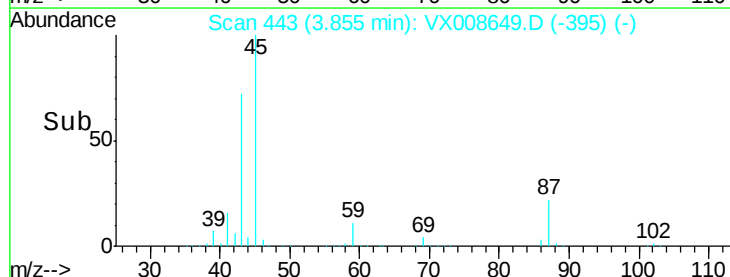
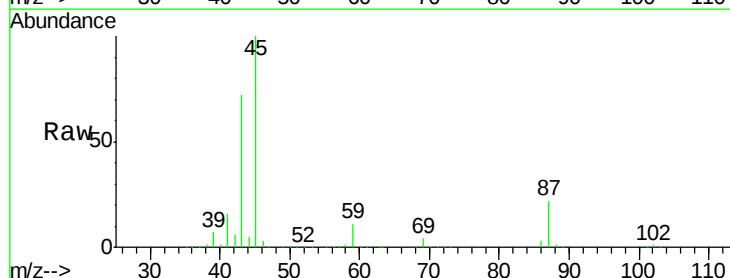
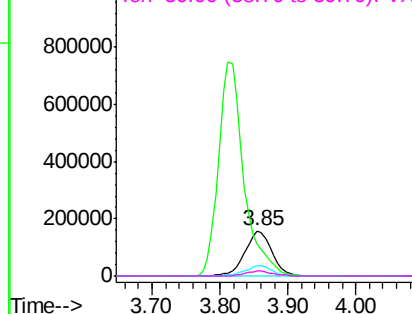
Abundance

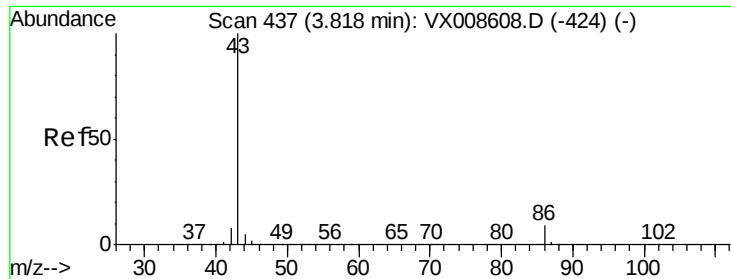
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 238.022 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1942877

Ion Ratio Lower Upper

43 100

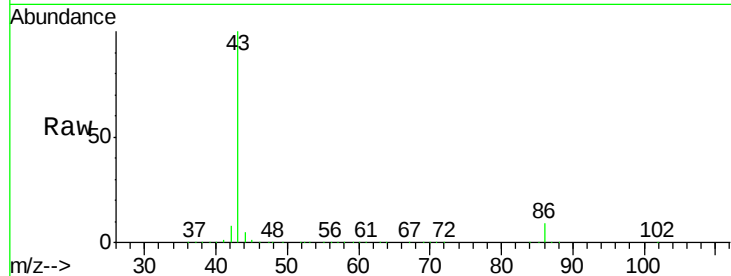
86 8.7 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

4/5/2019 11:12:32 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

800000

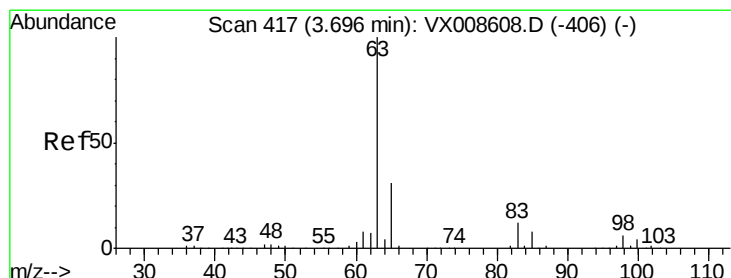
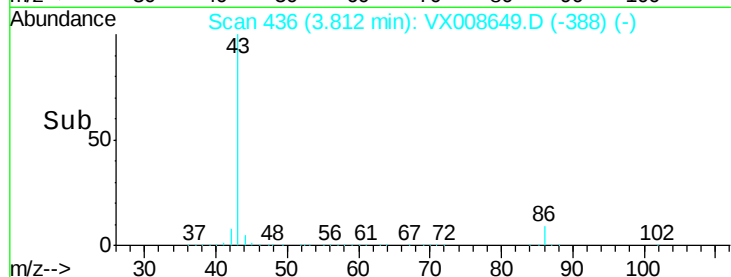
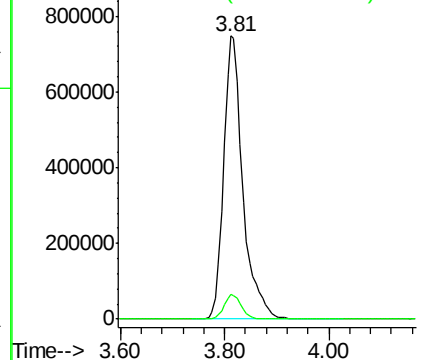
600000

400000

200000

0

3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 45.726 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

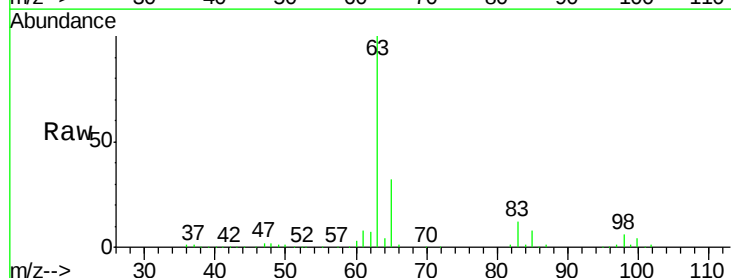
Tgt Ion: 63 Resp: 212427

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 3.8 1.8 5.5



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

120000

100000

80000

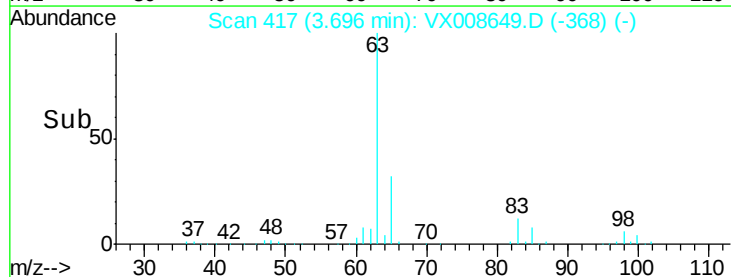
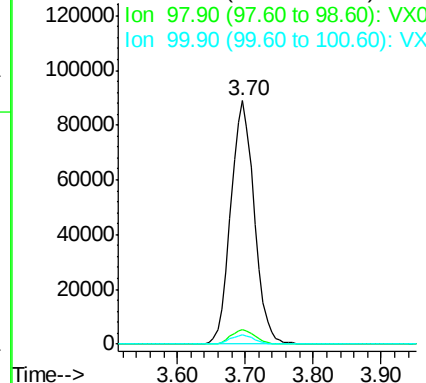
60000

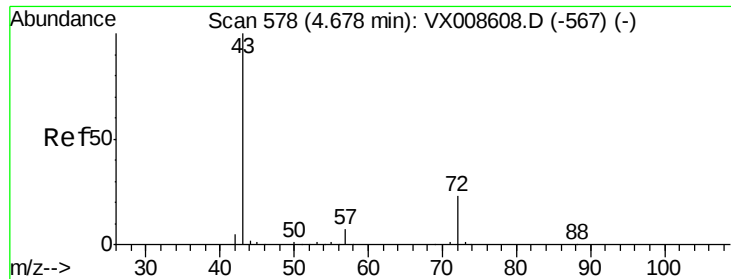
40000

20000

0

3.60 3.70 3.80 3.90





#25

2-Butanone

Concen: 230.191 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Tot Ion: 43 Resp: 562210

Ion Ratio Lower Upper

43 100

72 22.9 18.2 27.4

Instrument :

MSVOA_X

ClientSampleId :

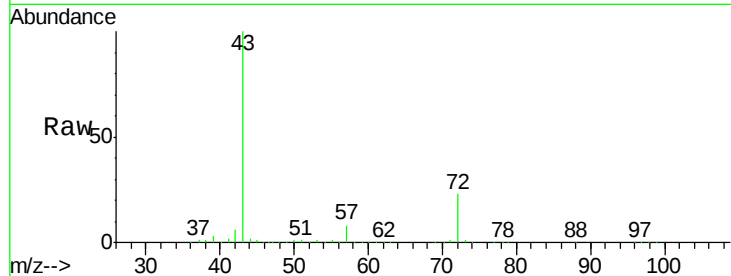
VSTDCCC050EC

Manual Integrations

APPROVED

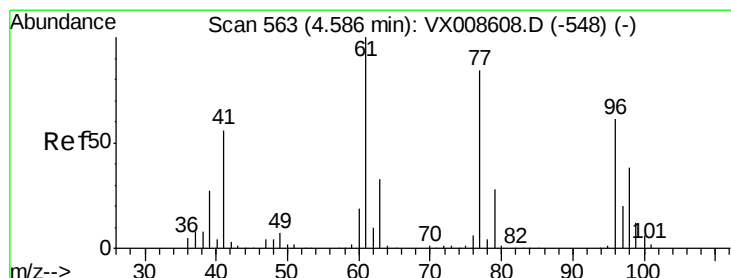
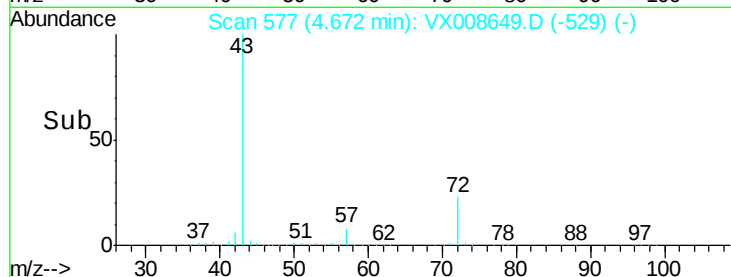
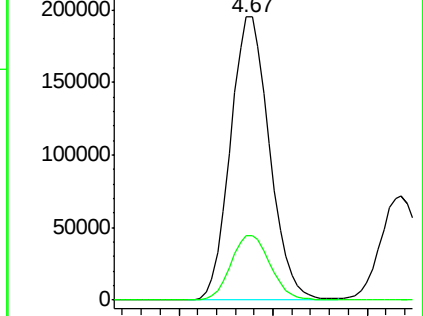
MMDadoda

4/5/2019 11:12:32 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 41.846 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008649.D

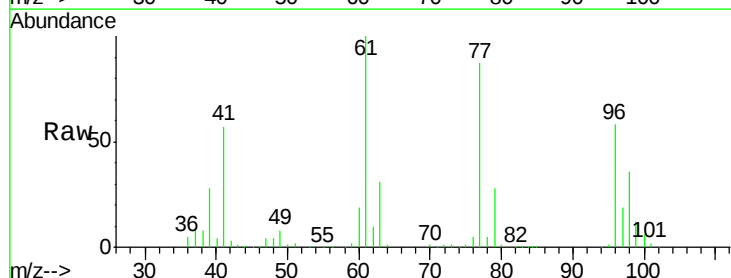
Acq: 04 Apr 2019 20:24

Tgt Ion: 77 Resp: 136921

Ion Ratio Lower Upper

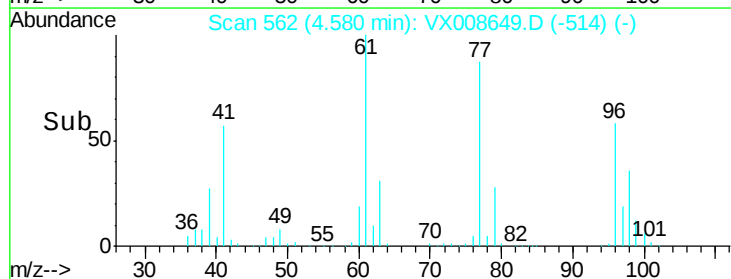
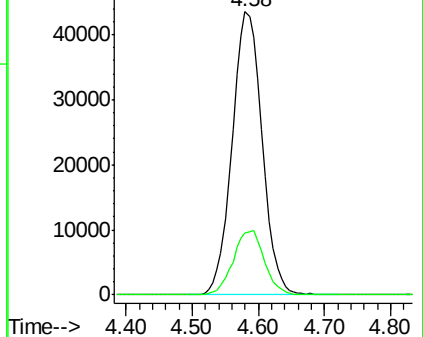
77 100

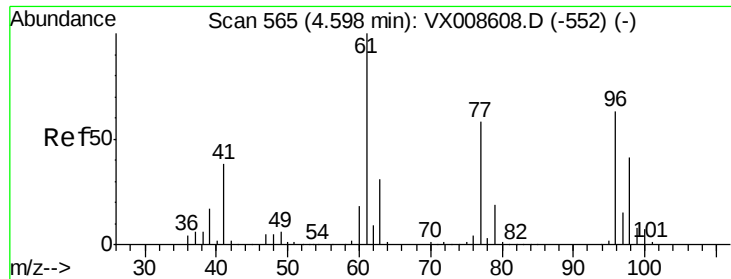
97 23.6 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

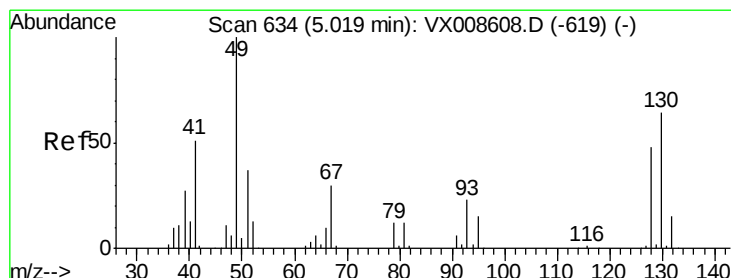
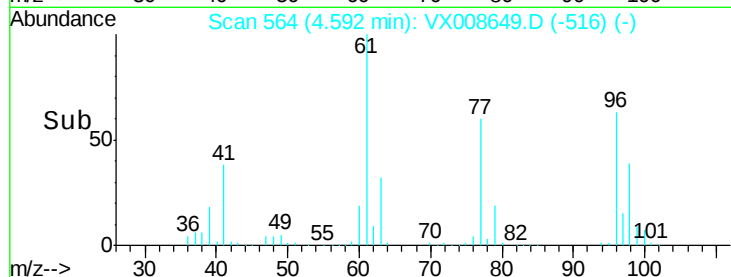
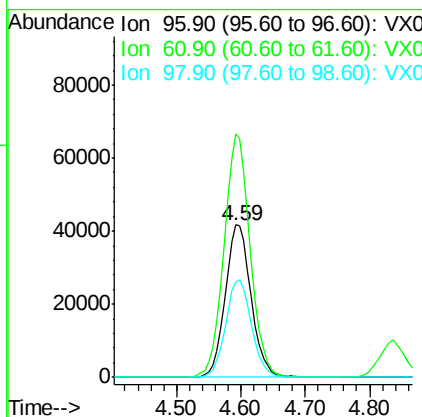
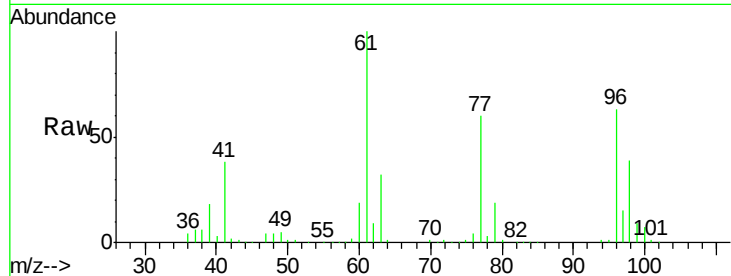
cis-1,2-Dichloroethene
Concen: 44.507 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	117704		
61	161.7	0.0	327.6	
98	64.2	0.0	128.6	

Manual Integrations
APPROVED

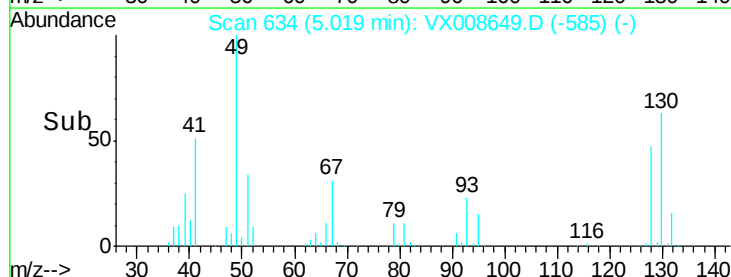
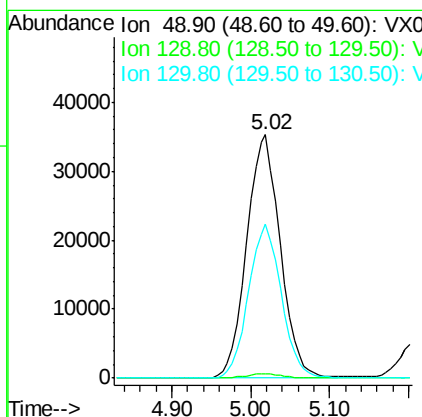
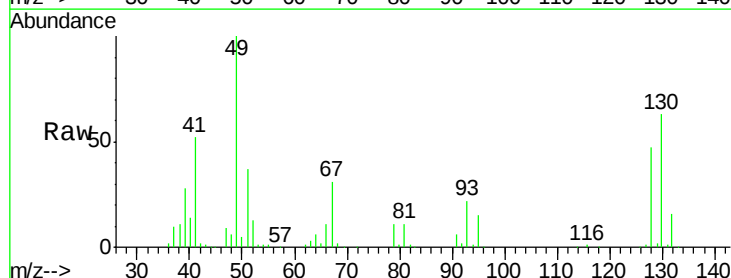
MMDadoda
4/5/2019 11:12:32 AM

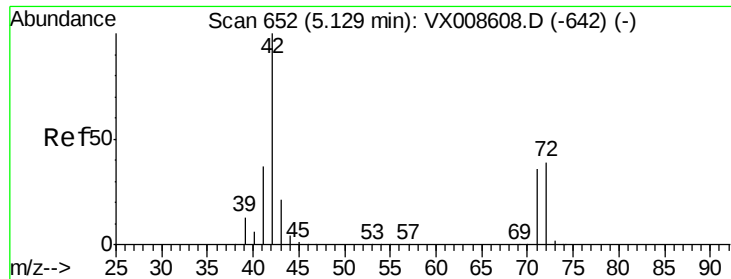


#28

Bromochloromethane
Concen: 54.203 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	104692		
129	1.8	0.0	3.6	
130	61.9	49.3	73.9	





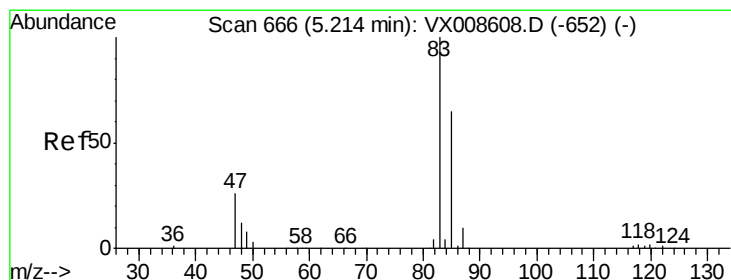
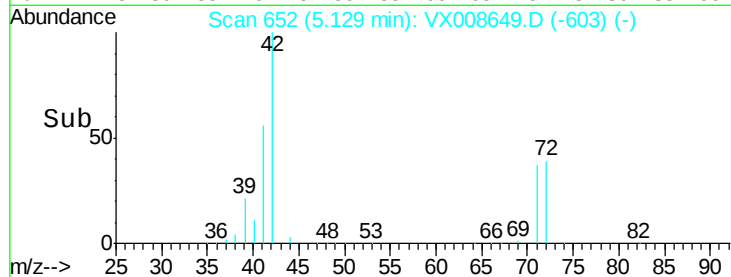
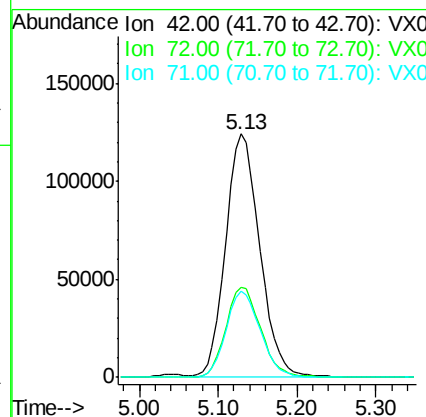
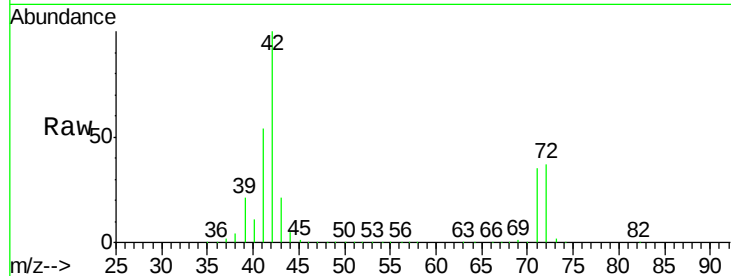
#29
Tetrahydrofuran
Concen: 229.726 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	30.5	45.7
71	35.7	28.6	43.0

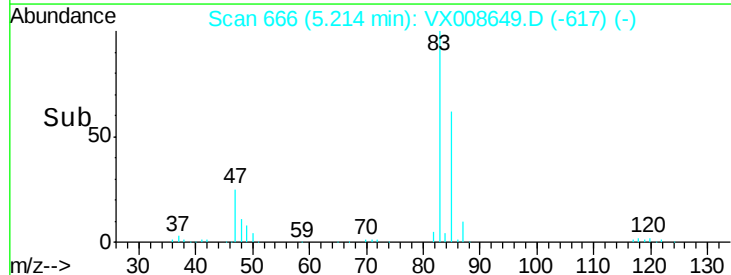
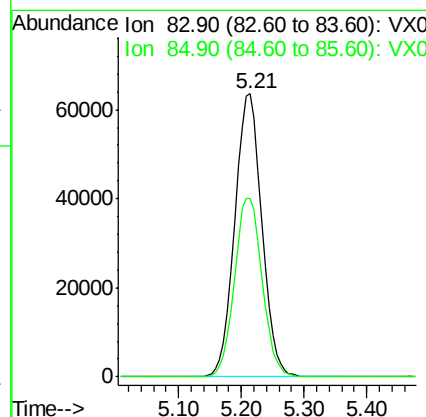
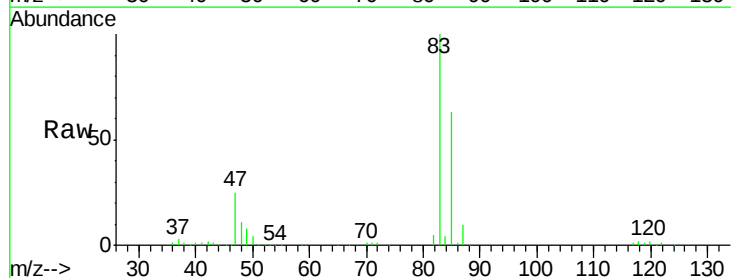
Manual Integrations
APPROVED

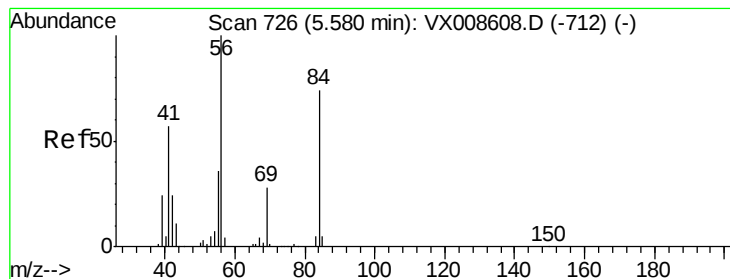
MMDadoda
4/5/2019 11:12:32 AM



#30
Chloroform
Concen: 45.821 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.1	78.1





#31

Cyclohexane

Concen: 43.955 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Instrument :

MSVOA_X

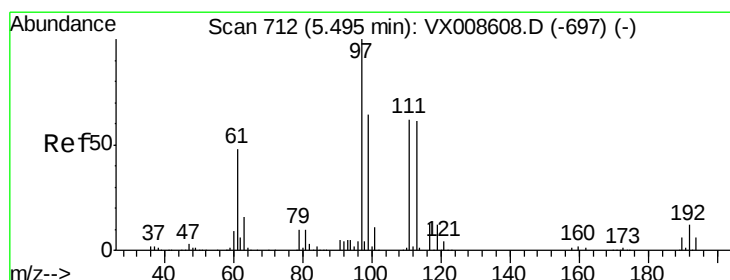
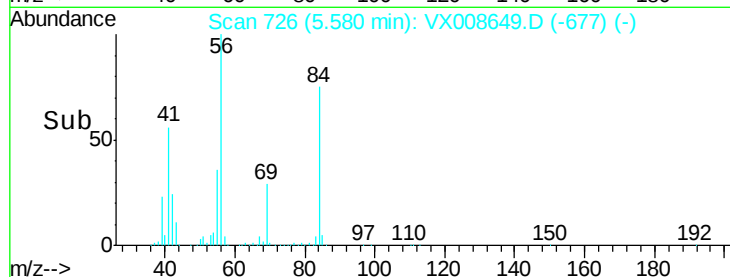
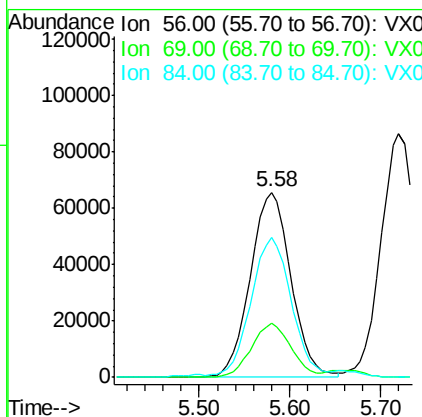
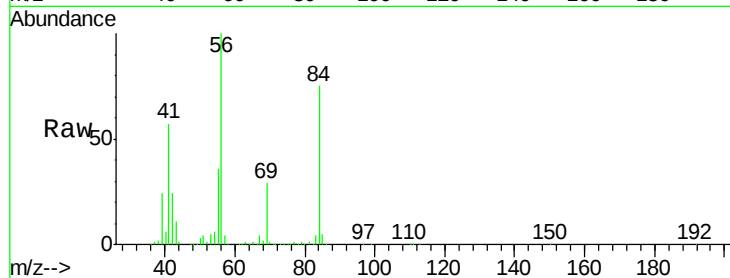
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	203753
Ion	Ratio	Lower	Upper
56	100		
69	28.9	22.6	33.8
84	74.0	59.3	88.9

Manual Integrations
APPROVED

MMDadoda
4/5/2019 11:12:32 AM



#32

1,1,1-Trichloroethane

Concen: 46.669 ug/l

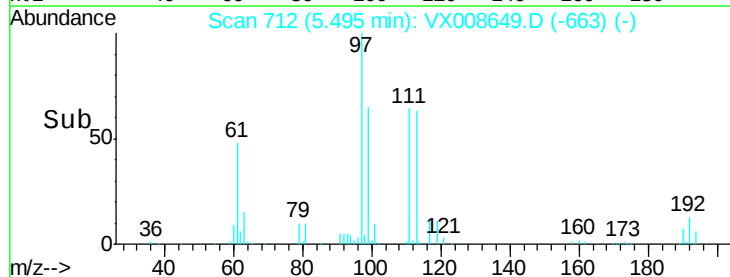
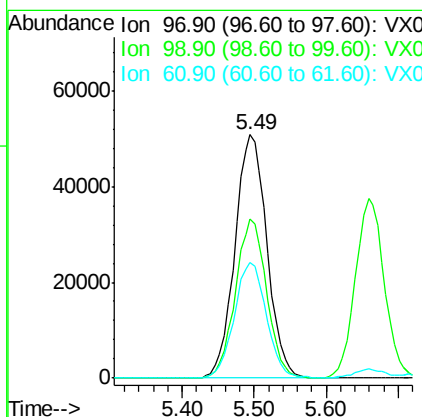
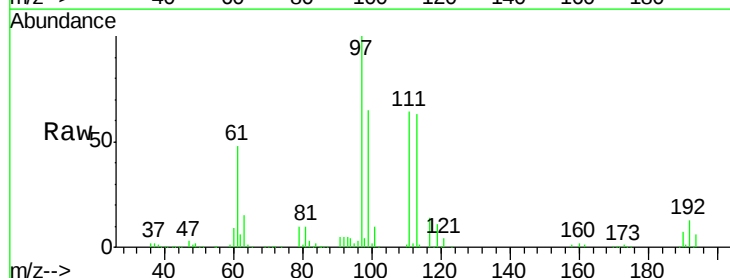
RT: 5.49 min Scan# 712

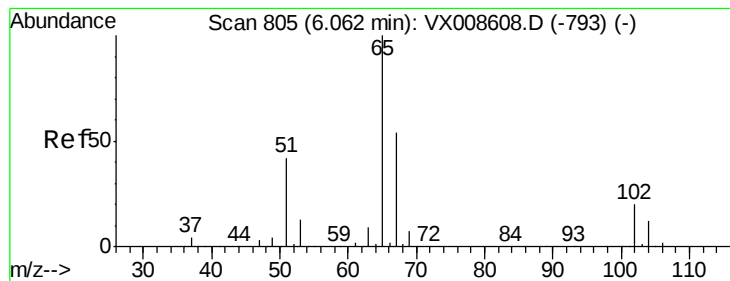
Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Tgt Ion:	97	Resp:	156482
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.3	76.9
61	47.7	38.9	58.3





#33

1,2-Dichloroethane-d4

Concen: 46.848 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 125690

Ion Ratio Lower Upper

65 100

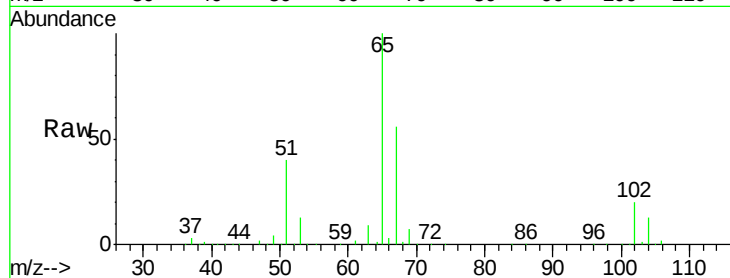
67 54.4 0.0 107.2

Manual Integrations

APPROVED

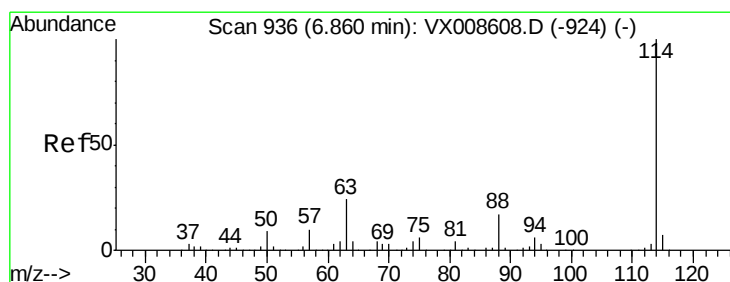
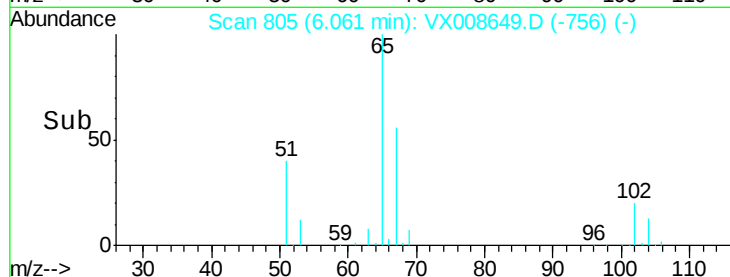
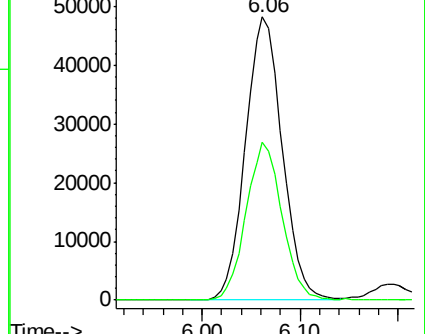
MMDadoda

4/5/2019 11:12:32 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

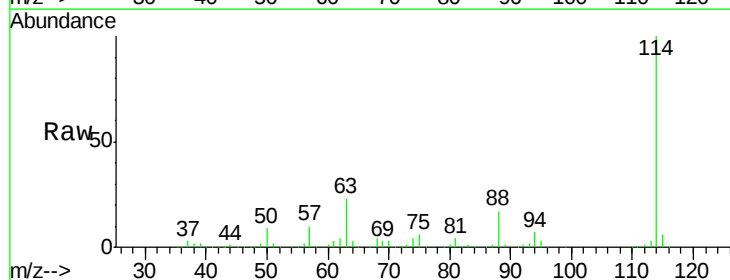
Tgt Ion: 114 Resp: 310578

Ion Ratio Lower Upper

114 100

63 23.1 0.0 47.2

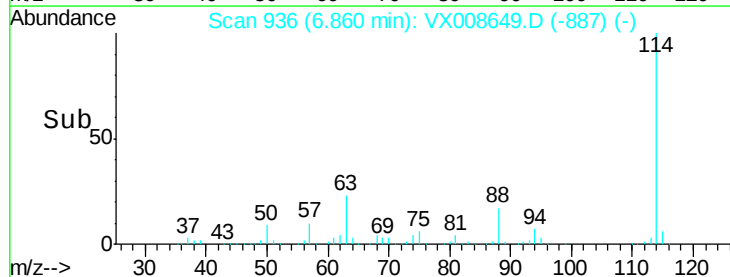
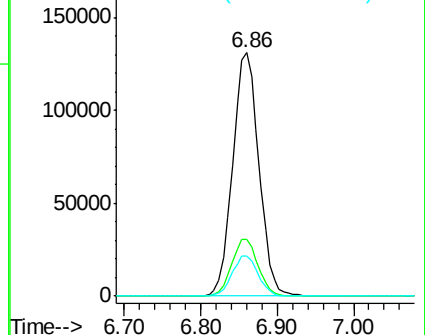
88 16.6 0.0 34.0

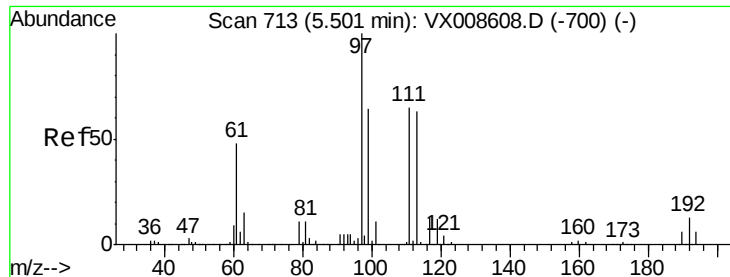


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





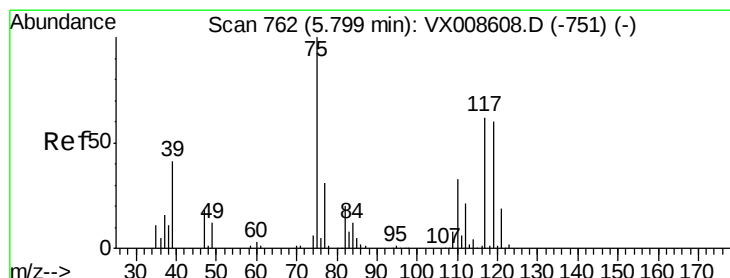
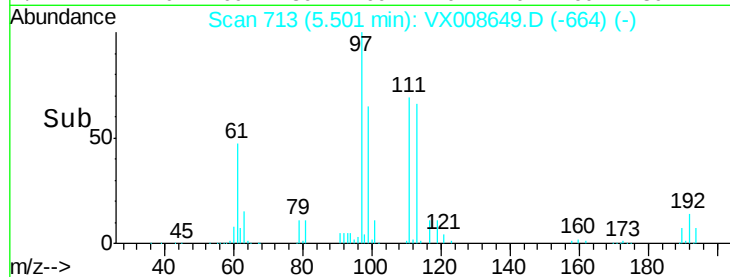
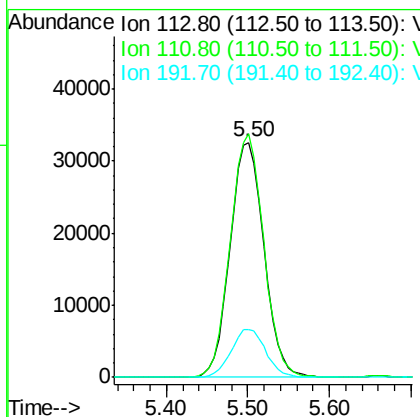
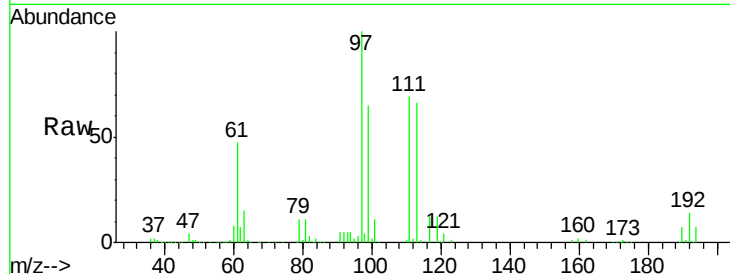
#35
 Dibromofluoromethane
 Concen: 47.185 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008649.D
 Acq: 04 Apr 2019 20:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.4	125.2
192	20.9	16.1	24.1

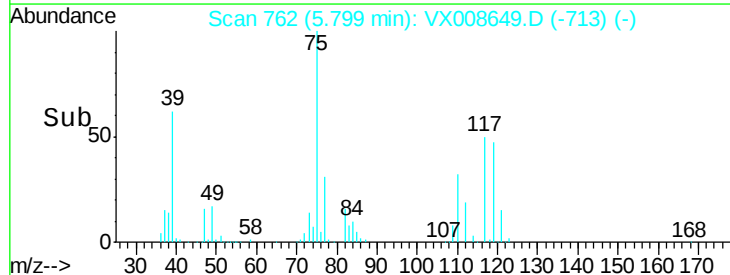
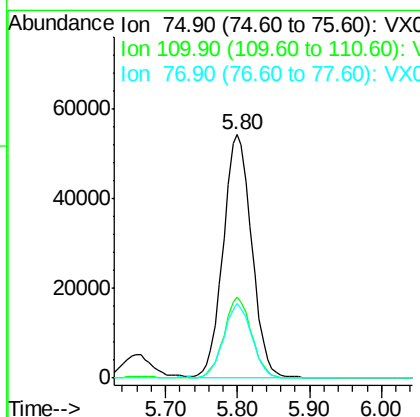
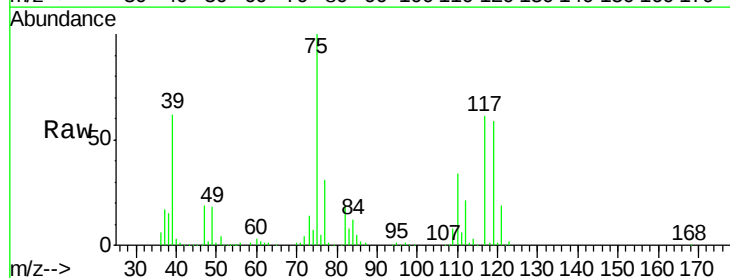
Manual Integrations
 APPROVED

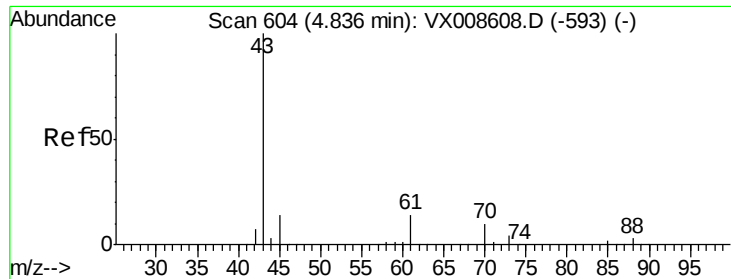
MMDadoda
 4/5/2019 11:12:32 AM



#36
 1,1-Dichloropropene
 Concen: 43.930 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX008649.D
 Acq: 04 Apr 2019 20:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.7	16.4	49.2
77	30.4	24.7	37.1





#37

Ethyl Acetate

Concen: 47.006 ug/l

RT: 4.84 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Instrument :

MSVOA_X

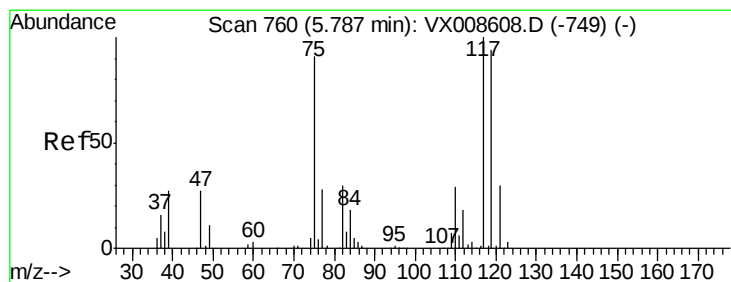
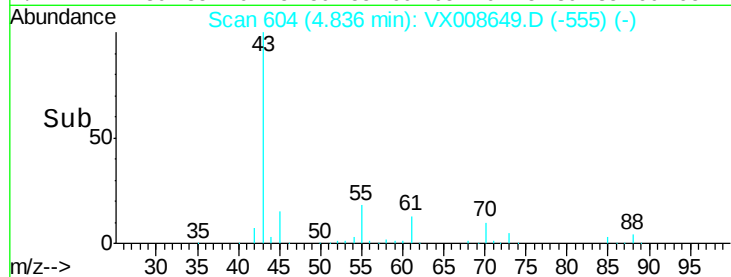
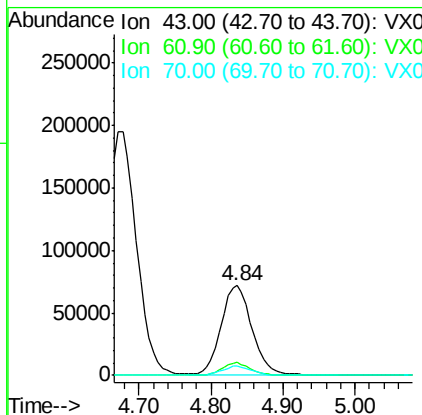
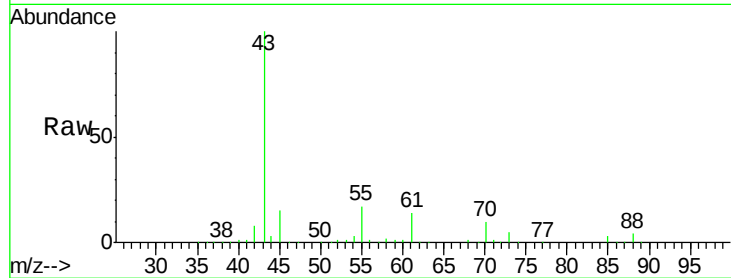
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	213007
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.3	15.5
70	9.7	7.6	11.4

Manual Integrations
APPROVED

MMDadoda
4/5/2019 11:12:32 AM



#38

Carbon Tetrachloride

Concen: 46.067 ug/l

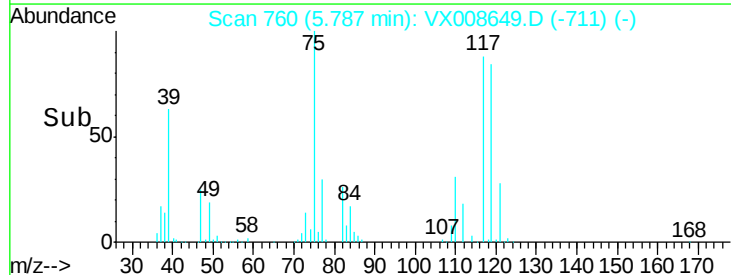
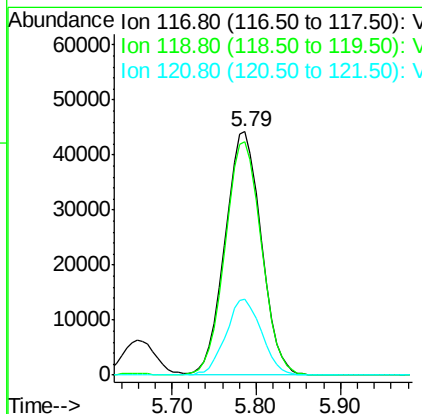
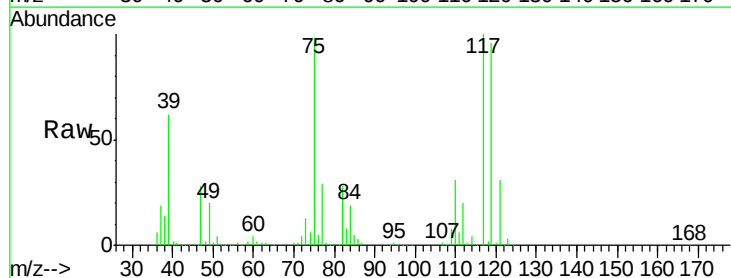
RT: 5.79 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Tgt Ion:	117	Resp:	129442
Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.0	112.6
121	31.4	24.3	36.5





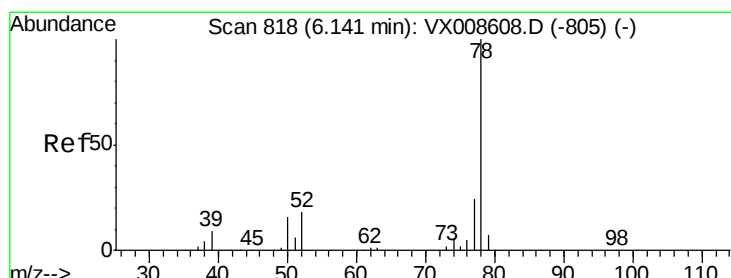
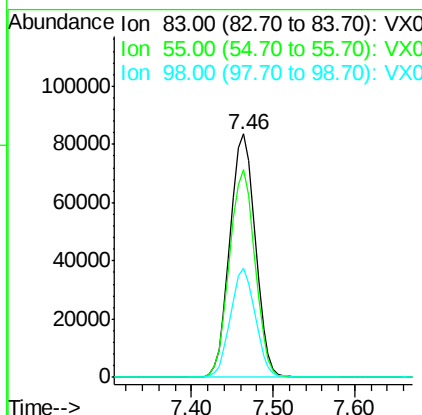
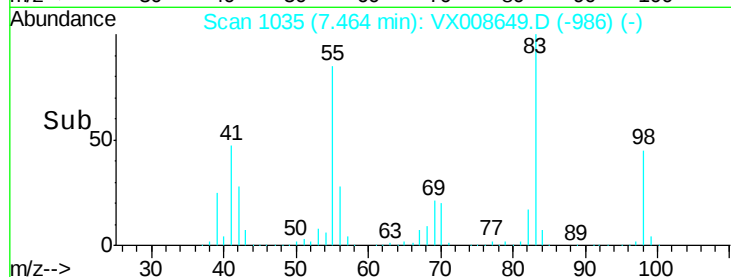
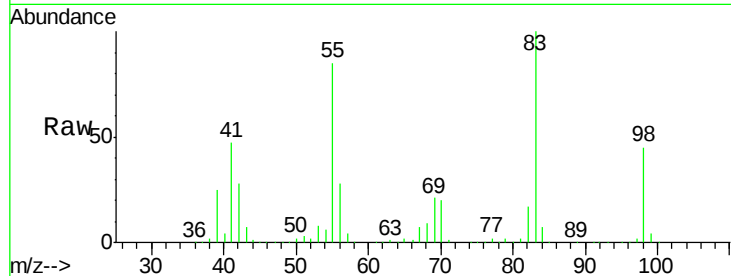
#39
Methvlcvclohexane
Concen: 42.966 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.2	69.0	103.6
98	44.6	34.4	51.6

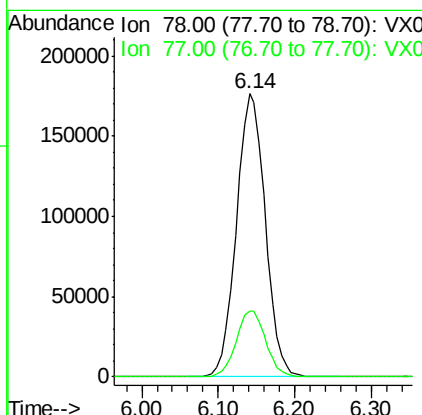
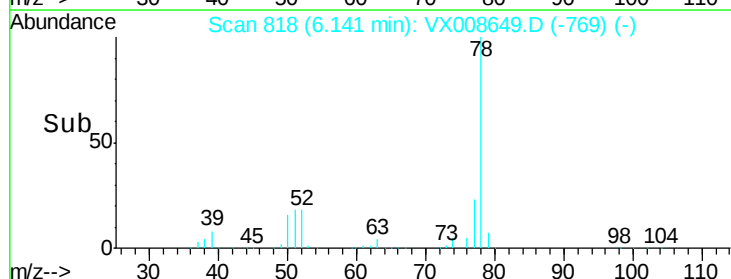
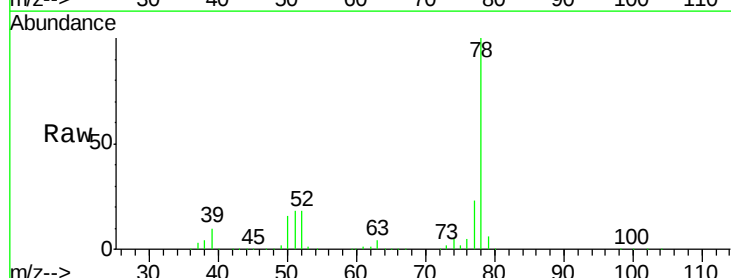
Manual Integrations
APPROVED

MMDadoda
4/5/2019 11:12:32 AM



#40
Benzene
Concen: 45.517 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7





#41

Methacrylonitrile

Concen: 46.008 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 119839

Ion Ratio Lower Upper

41 100

39 52.6 42.1 63.1

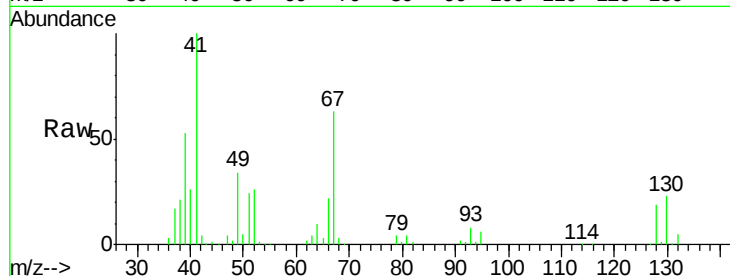
67 63.6 51.0 76.6

52 25.8 21.4 32.0

Manual Integrations
APPROVED

MMDadoda

4/5/2019 11:12:32 AM

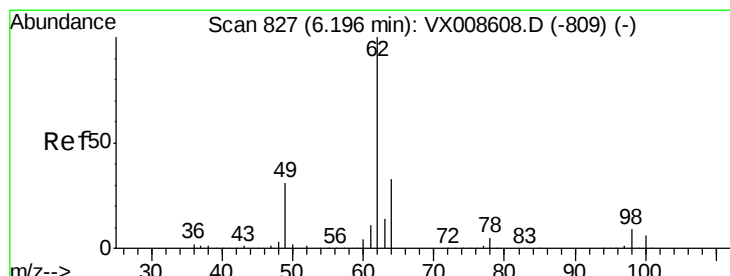
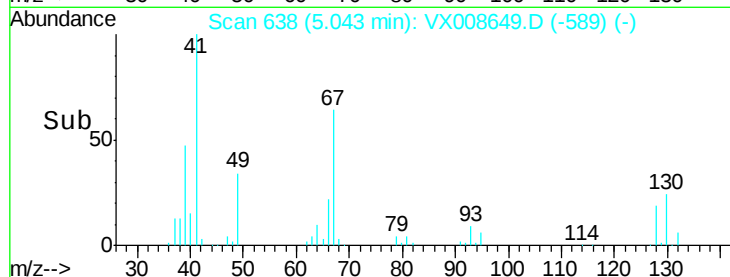
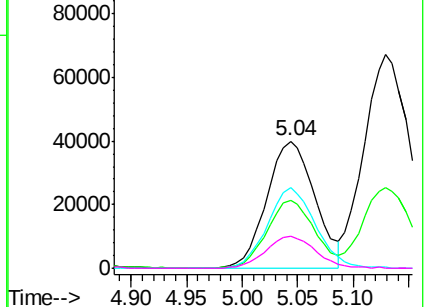


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 44.897 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX008649.D

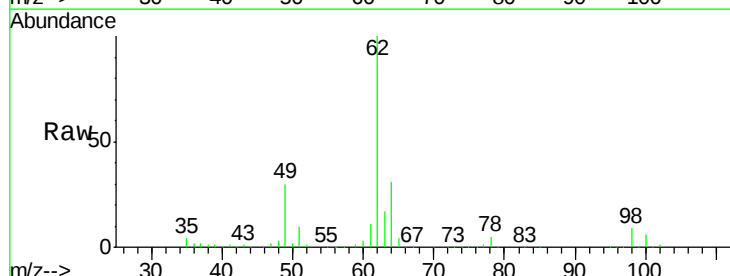
Acq: 04 Apr 2019 20:24

Tgt Ion: 62 Resp: 162790

Ion Ratio Lower Upper

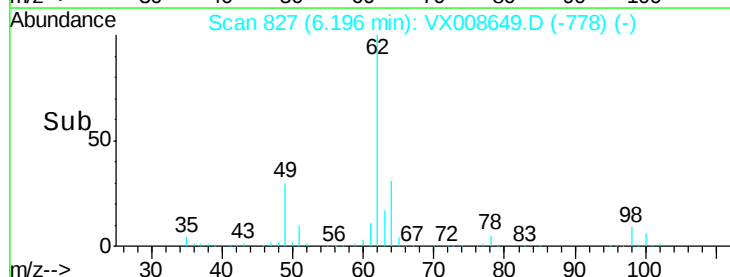
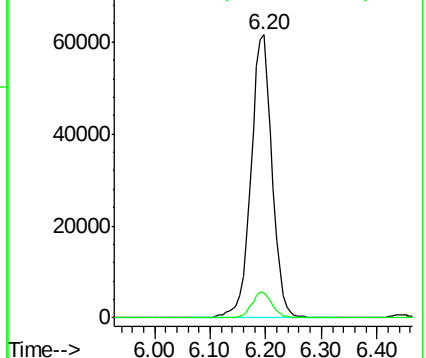
62 100

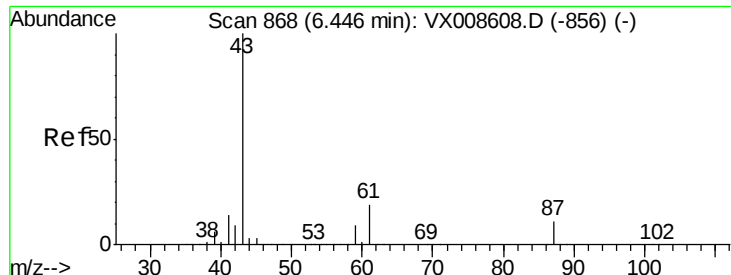
98 8.9 0.0 18.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

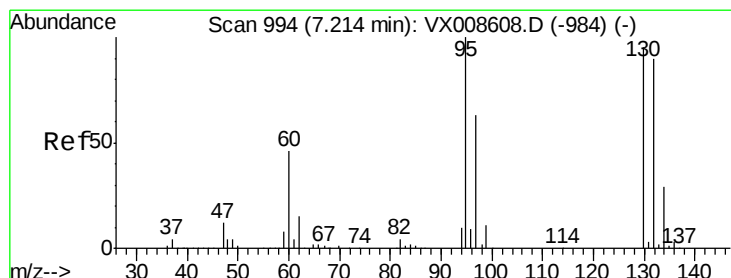
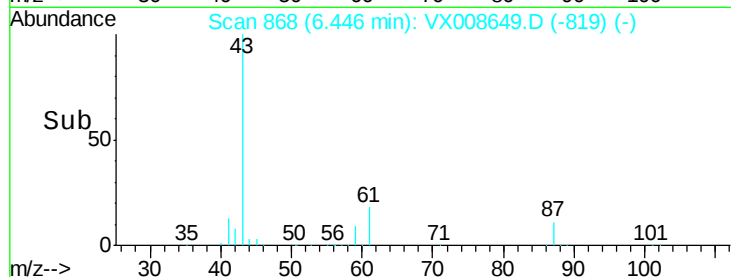
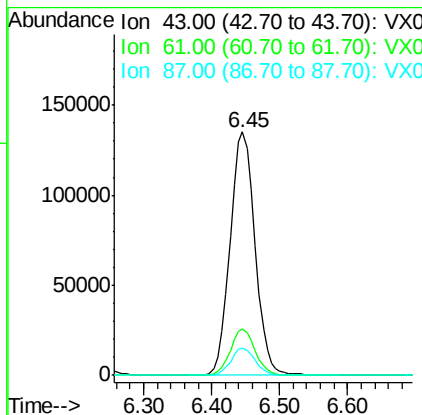
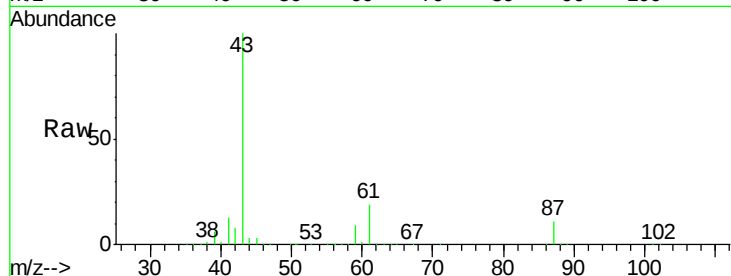
Isopropyl Acetate
 Concen: 48.166 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX008649.D
 Acq: 04 Apr 2019 20:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.3	22.9
87	11.3	9.0	13.6

Manual Integrations
 APPROVED

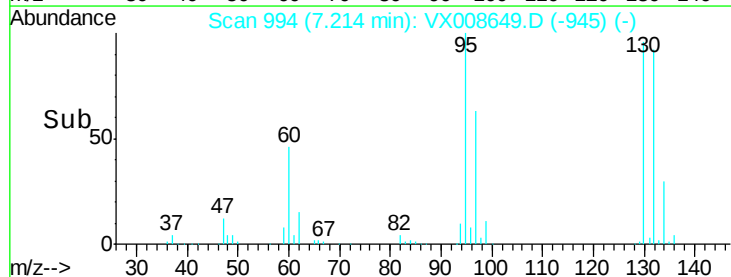
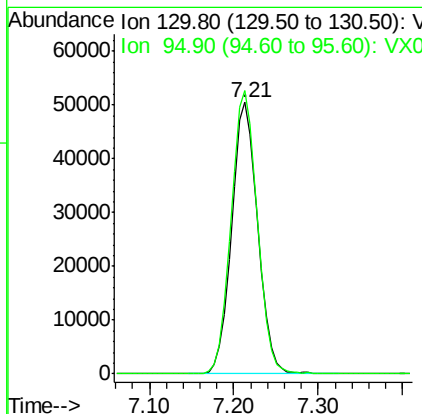
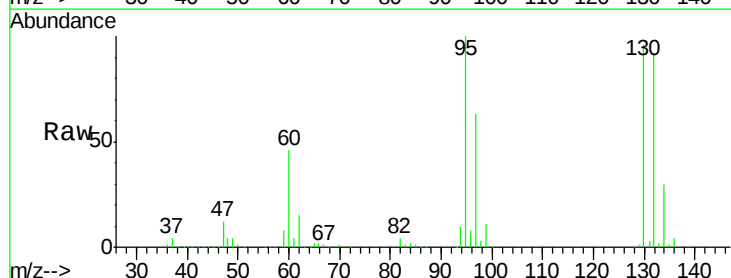
MMDadoda
 4/5/2019 11:12:32 AM

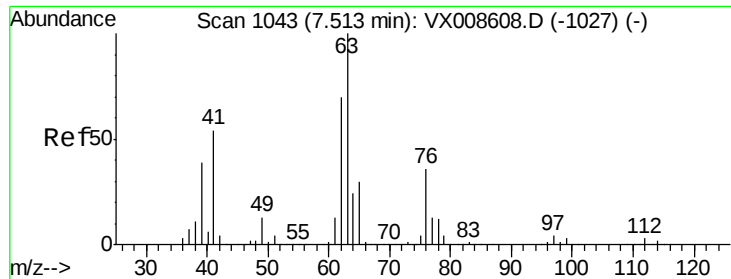


#44

Trichloroethene
 Concen: 44.767 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008649.D
 Acq: 04 Apr 2019 20:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	209.8





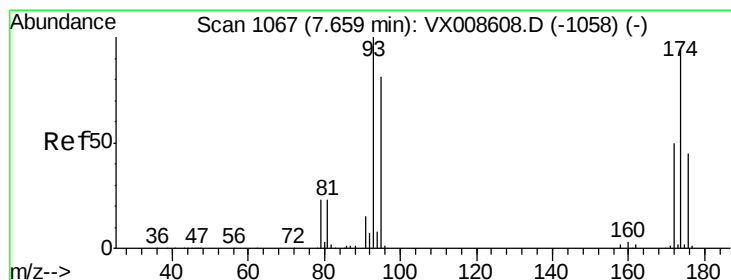
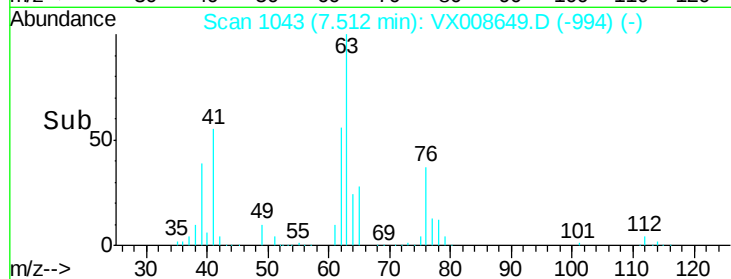
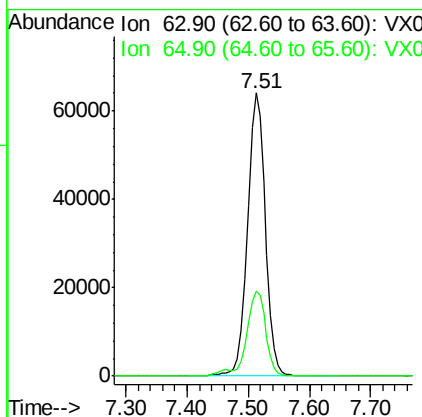
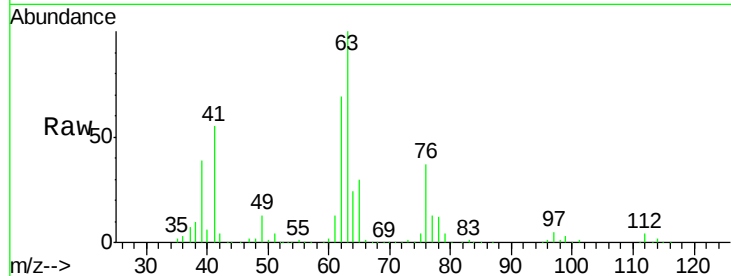
#45
 1,2-Dichloropropane
 Concen: 45.220 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008649.D
 Acq: 04 Apr 2019 20:24

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion: 63 Resp: 130540
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.2 36.4

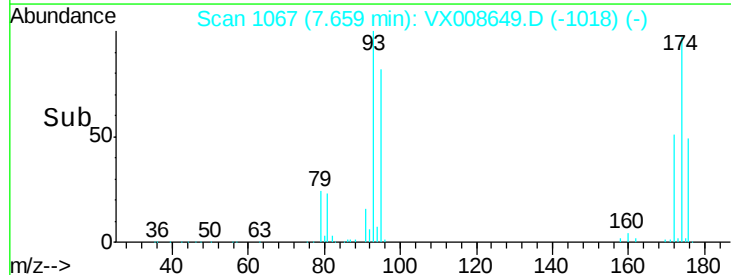
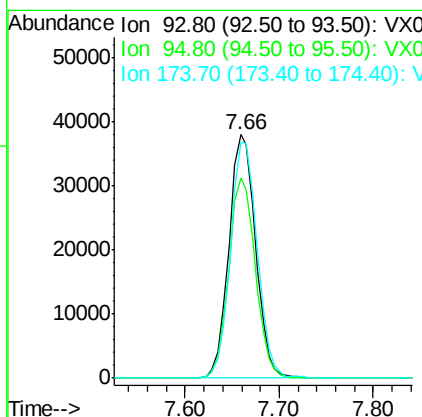
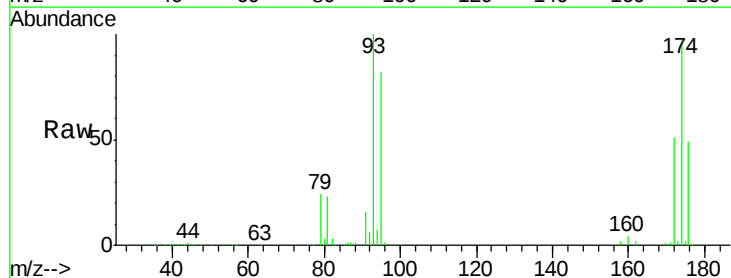
Manual Integrations
 APPROVED

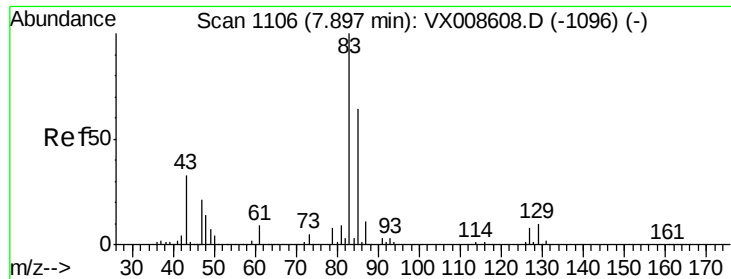
MMDadoda
 4/5/2019 11:12:32 AM



#46
 Dibromomethane
 Concen: 44.582 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008649.D
 Acq: 04 Apr 2019 20:24

Tgt Ion: 93 Resp: 74643
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.6 99.8
 174 97.8 77.7 116.5





#47

Bromodichloromethane

Concen: 46.757 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Instrument :

MSVOA_X

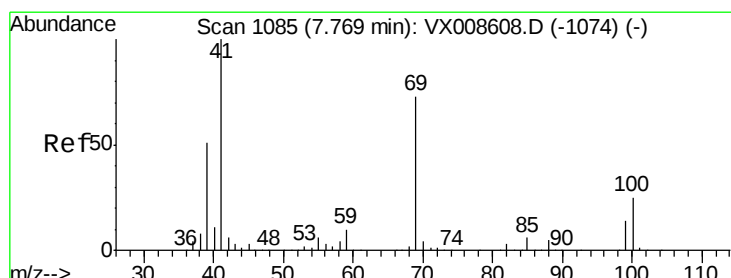
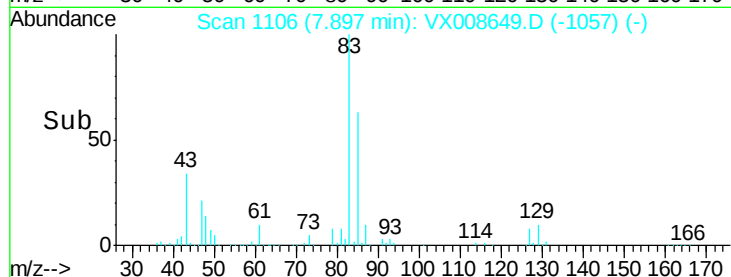
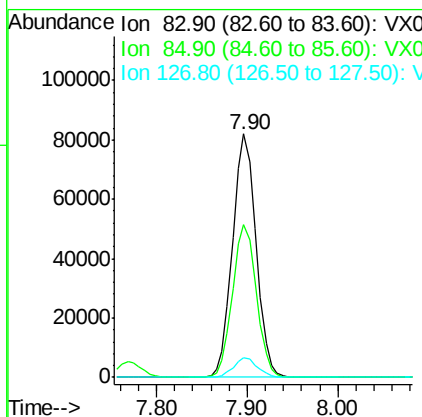
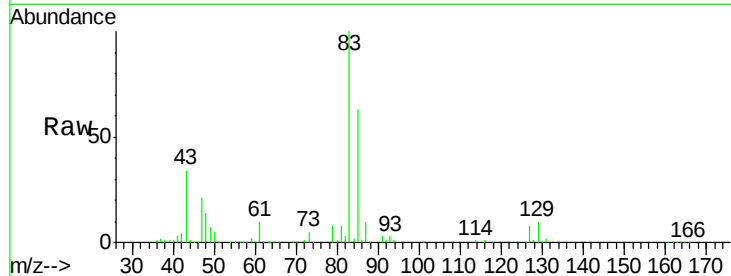
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	147604
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.2	76.8
127	7.8	6.6	10.0

Manual Integrations
APPROVED

MMDadoda
4/5/2019 11:12:32 AM



#48

Methyl methacrylate

Concen: 47.766 ug/l

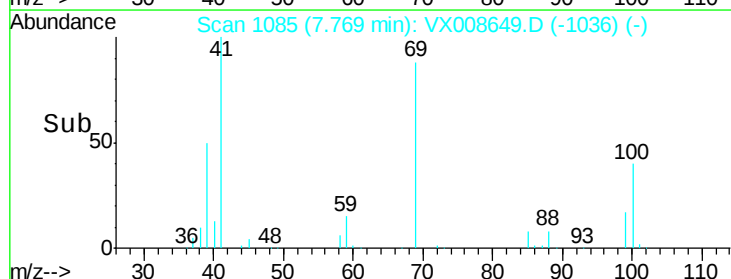
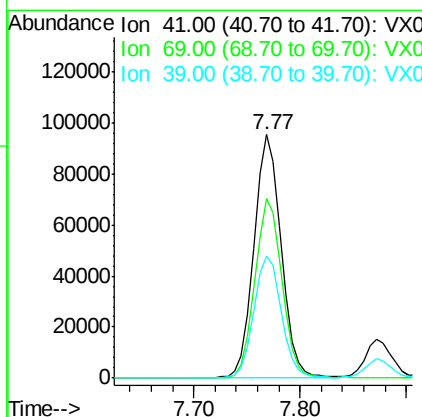
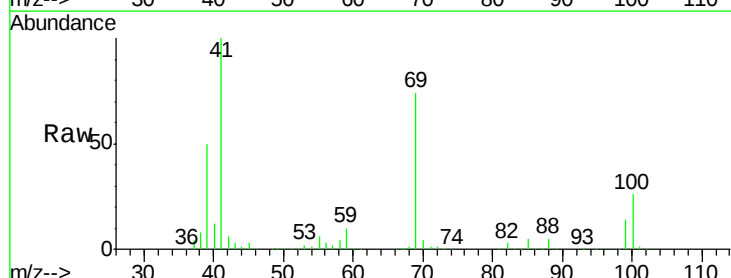
RT: 7.77 min Scan# 1085

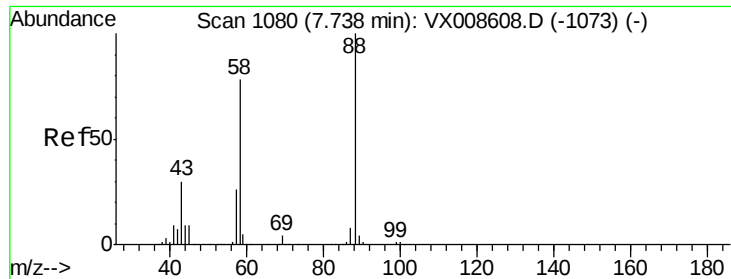
Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Tgt Ion:	41	Resp:	171519
Ion	Ratio	Lower	Upper
41	100		
69	73.8	59.0	88.4
39	50.7	41.0	61.4





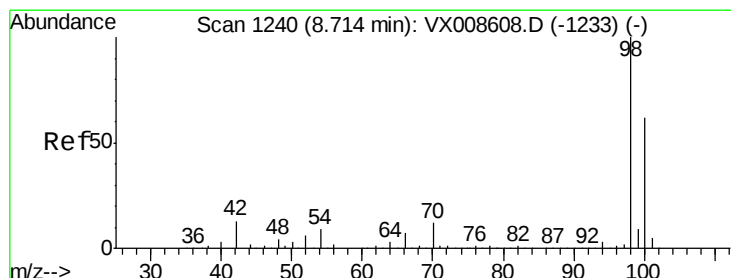
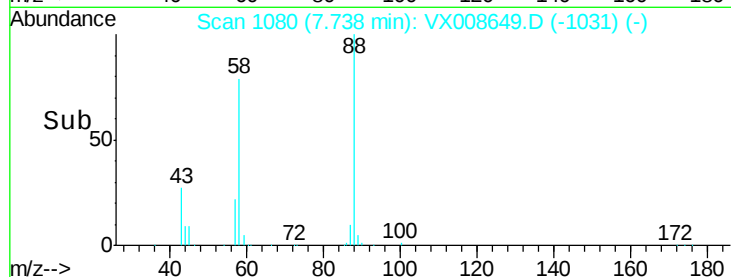
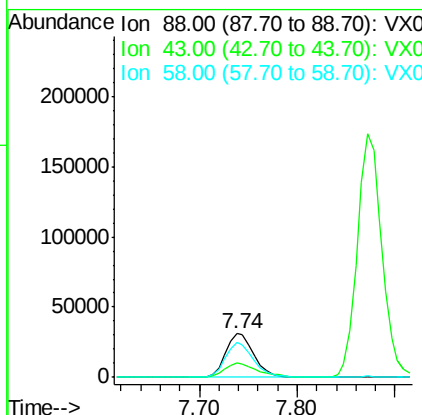
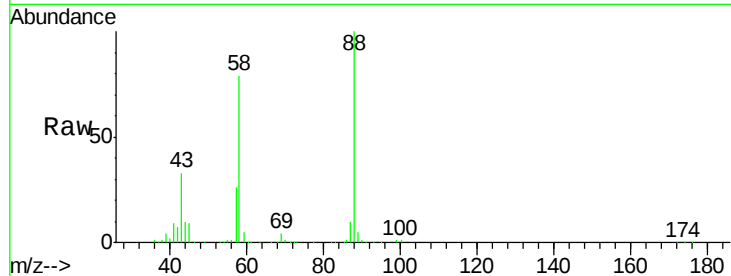
#49
1,4-Dioxane
Concen: 922.834 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.0	28.6	43.0
58	80.2	62.2	93.2

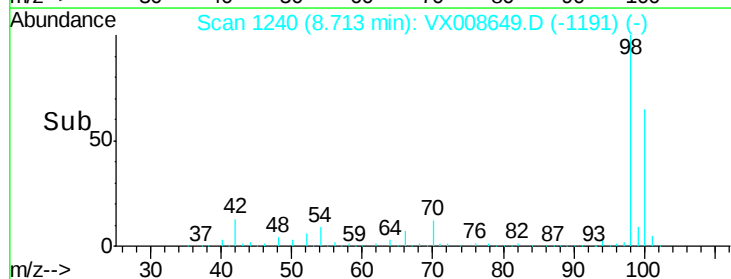
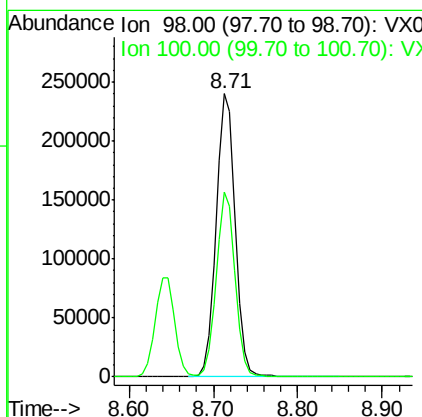
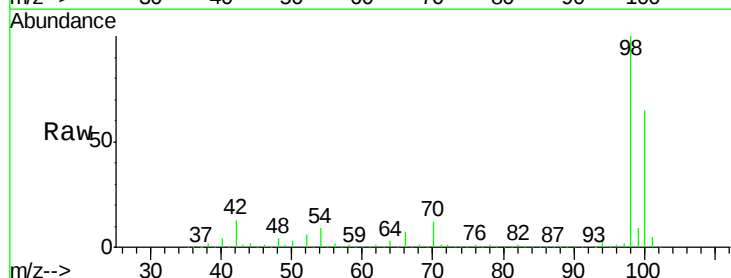
Manual Integrations
APPROVED

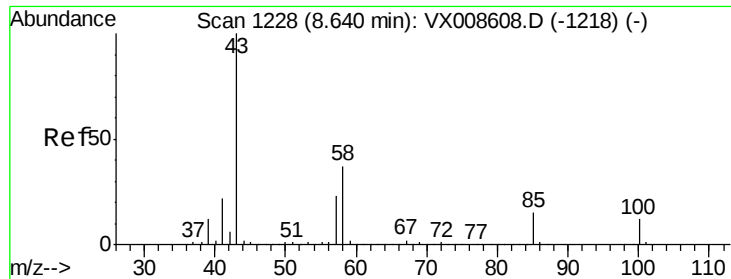
MMDadoda
4/5/2019 11:12:32 AM



#50
Toluene-d8
Concen: 47.627 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.4	77.0





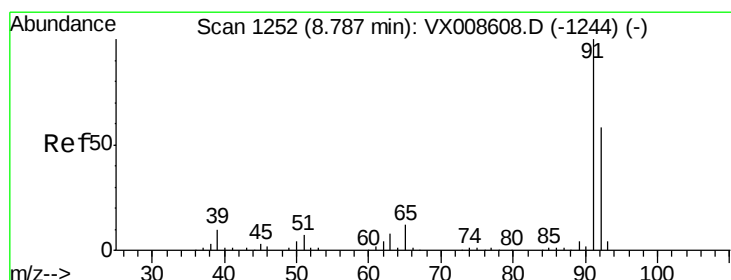
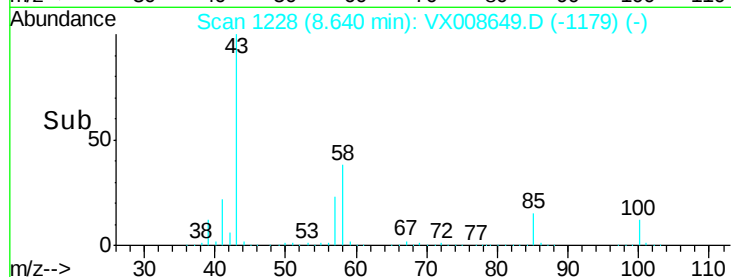
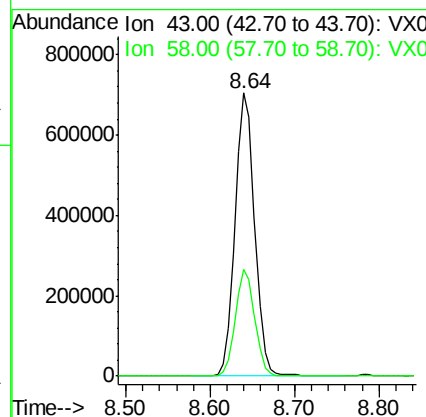
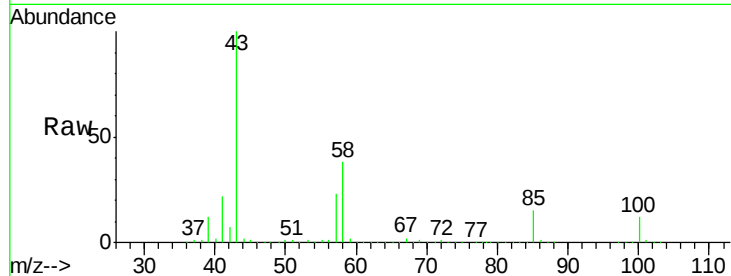
#51
4-Methyl-2-Pentanone
Concen: 243.775 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1113965
Ion Ratio Lower Upper
43 100
58 37.2 29.5 44.3

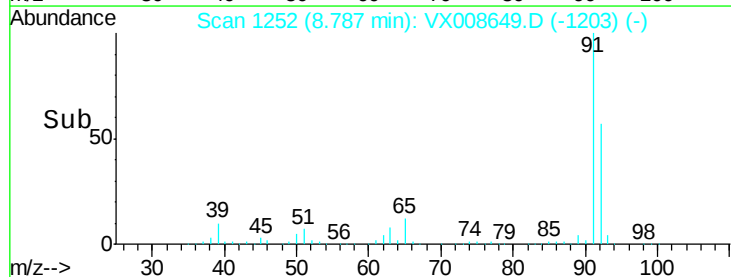
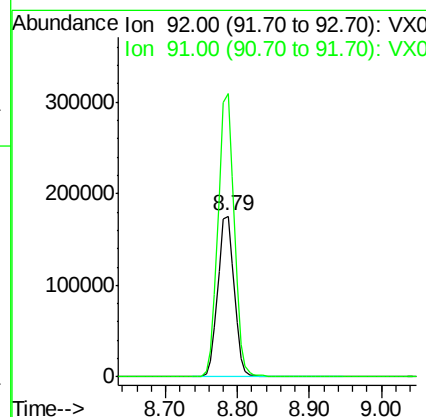
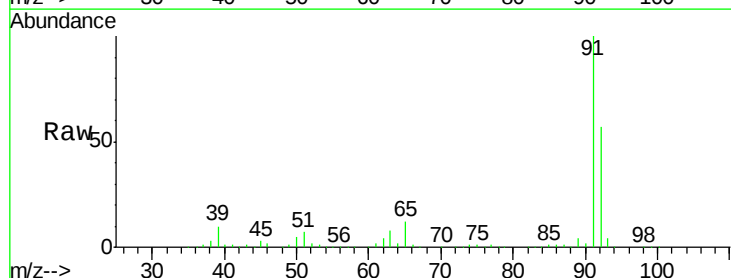
Manual Integrations
APPROVED

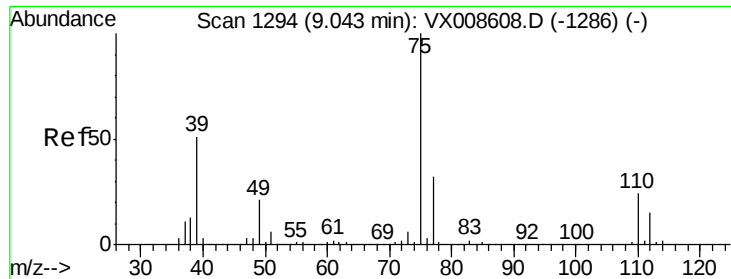
MMDadoda
4/5/2019 11:12:32 AM



#52
Toluene
Concen: 46.459 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Tgt Ion: 92 Resp: 277022
Ion Ratio Lower Upper
92 100
91 174.0 138.5 207.7





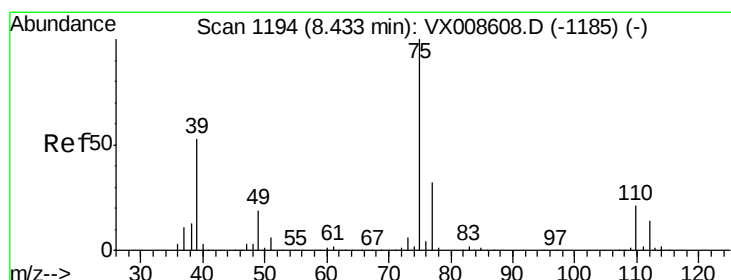
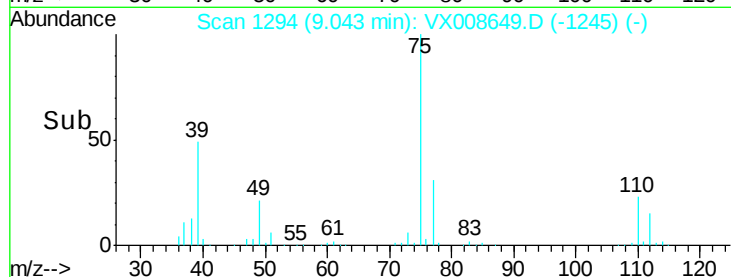
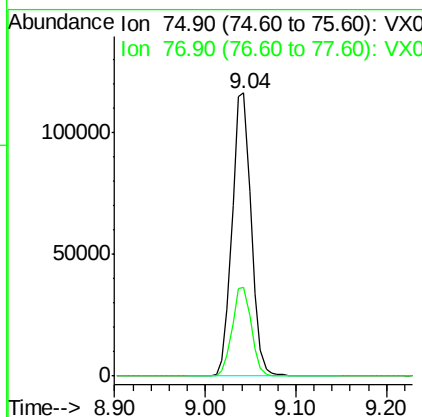
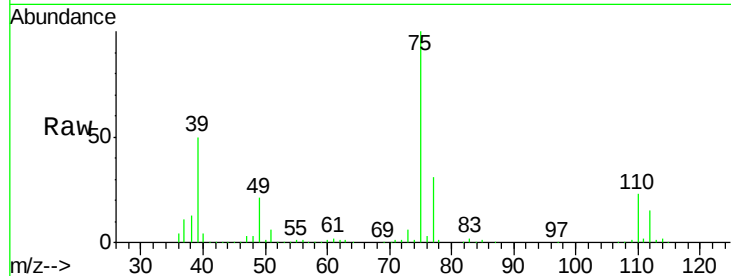
#53
t-1,3-Dichloropropene
Concen: 47.950 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 169560
Ion Ratio Lower Upper
75 100
77 31.4 25.2 37.8

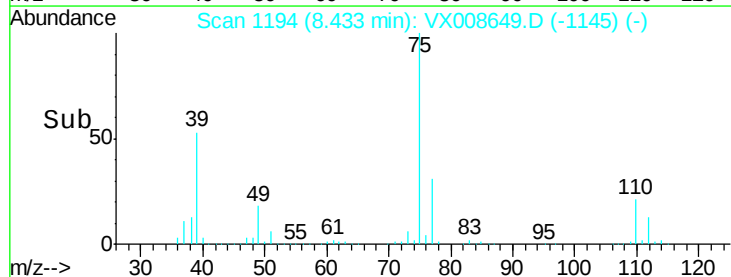
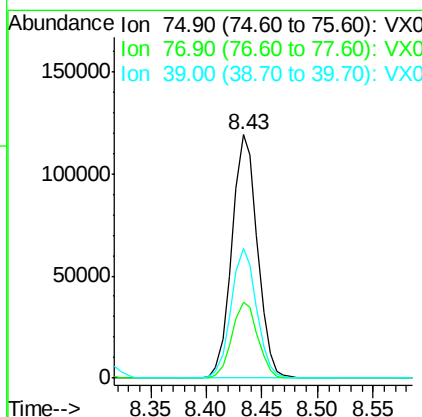
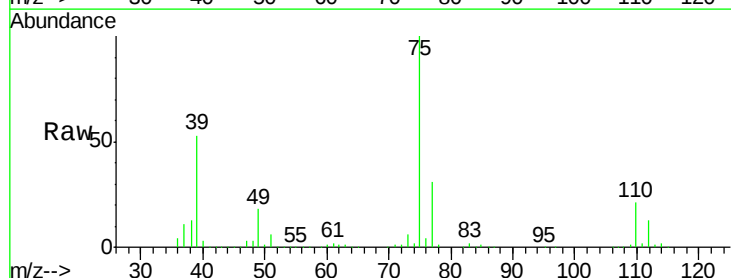
Manual Integrations
APPROVED

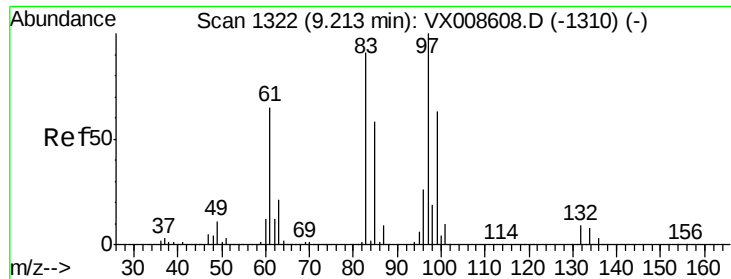
MMDadoda
4/5/2019 11:12:32 AM



#54
cis-1,3-Dichloropropene
Concen: 46.826 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Tgt Ion: 75 Resp: 189206
Ion Ratio Lower Upper
75 100
77 31.3 25.3 37.9
39 53.0 42.6 63.8





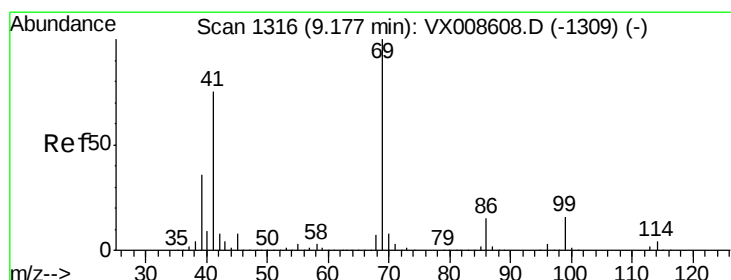
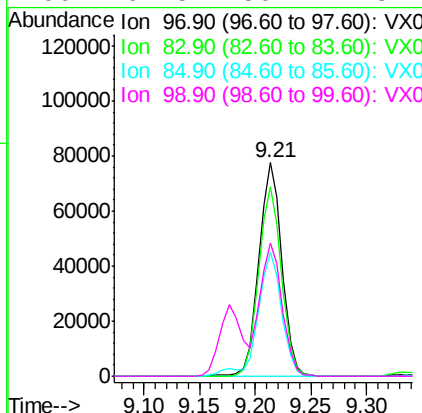
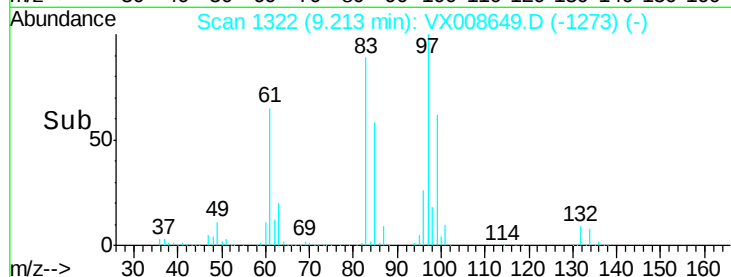
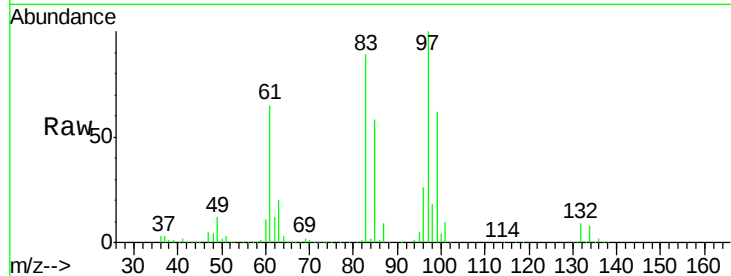
#55
 1,1,2-Trichloroethane
 Concen: 46.816 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008649.D
 Acq: 04 Apr 2019 20:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	112052
Ion	Ratio	Lower	Upper
97	100		
83	88.8	73.2	109.8
85	58.2	46.6	69.8
99	62.5	50.1	75.1

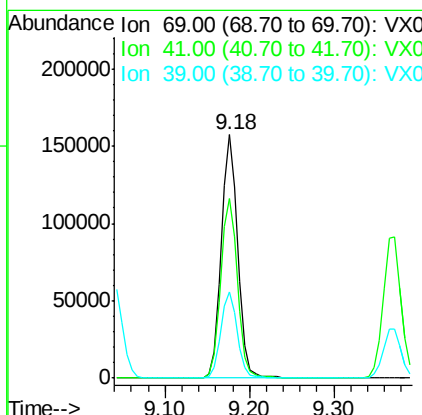
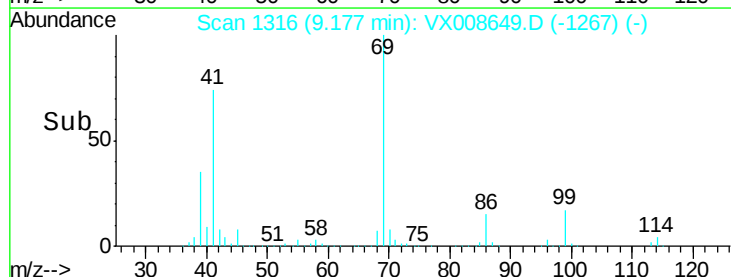
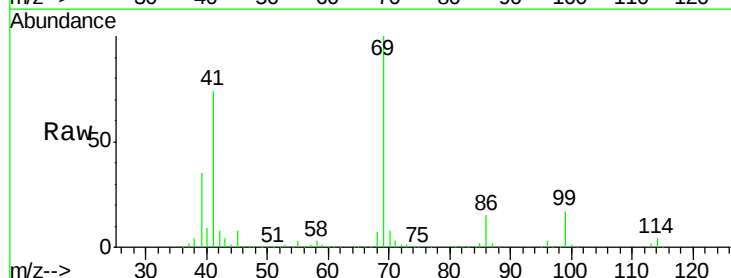
Manual Integrations
 APPROVED

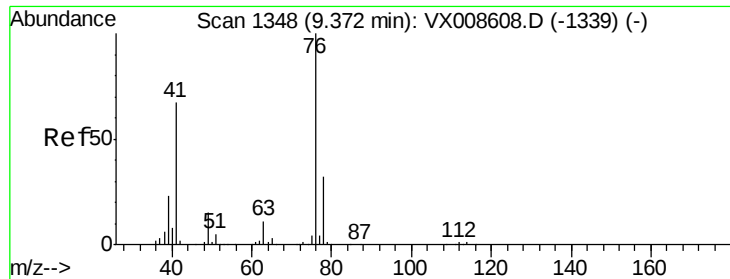
MMDadoda
 4/5/2019 11:12:32 AM



#56
 Ethyl methacrylate
 Concen: 49.452 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008649.D
 Acq: 04 Apr 2019 20:24

Tgt Ion:	69	Resp:	214152
Ion	Ratio	Lower	Upper
69	100		
41	75.1	60.1	90.1
39	35.1	28.9	43.3





#57

1,3-Dichloropropane

Concen: 46.456 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 199662

Ion Ratio Lower Upper

76 100

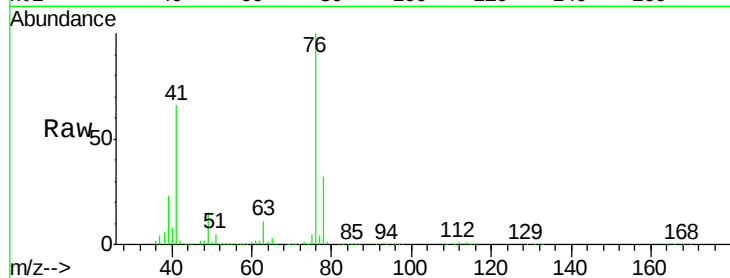
78 31.9 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

4/5/2019 11:12:32 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

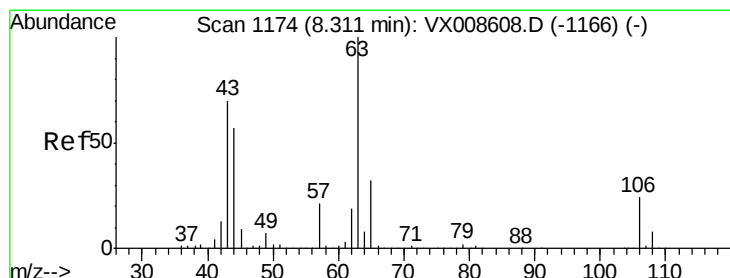
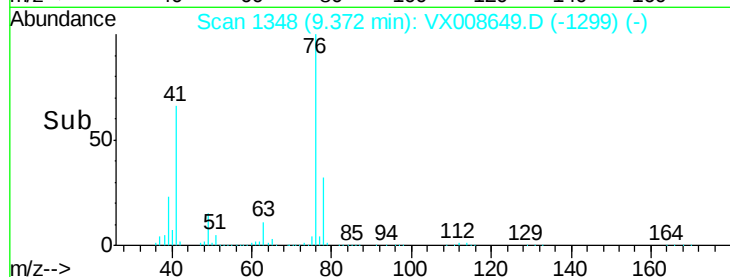
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 240.898 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008649.D

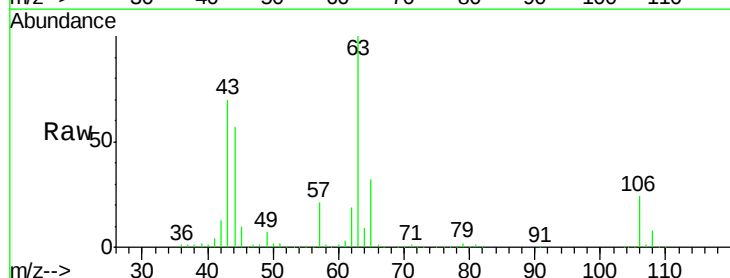
Acq: 04 Apr 2019 20:24

Tgt Ion: 63 Resp: 532686

Ion Ratio Lower Upper

63 100

106 24.2 19.0 28.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

400000

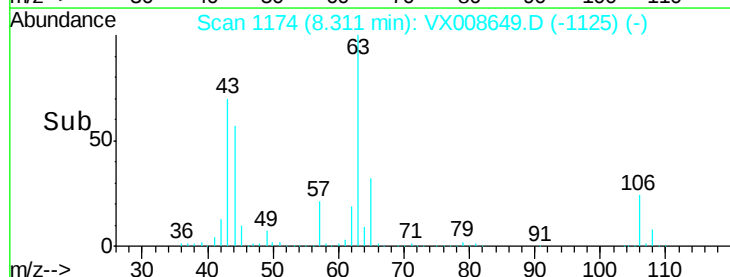
300000

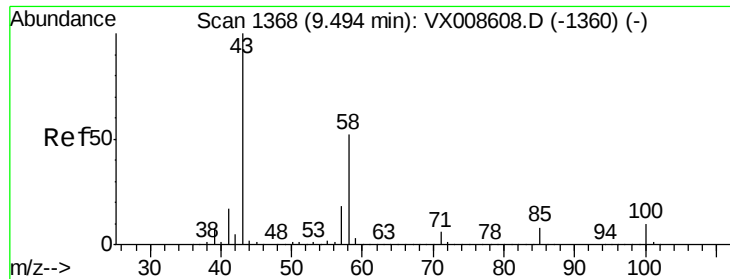
200000

100000

0

Time-->





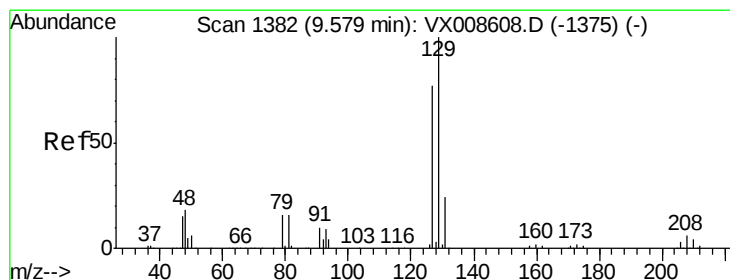
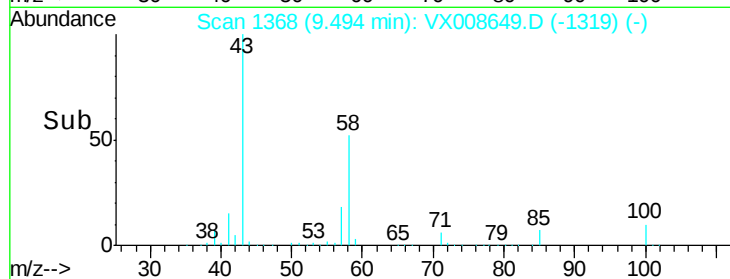
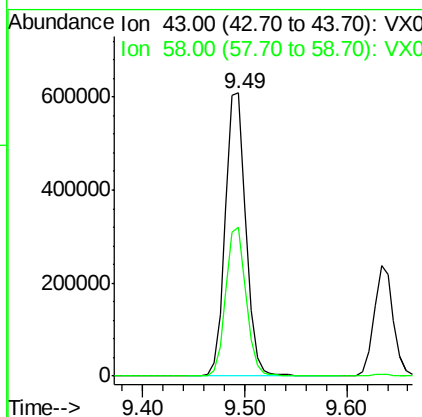
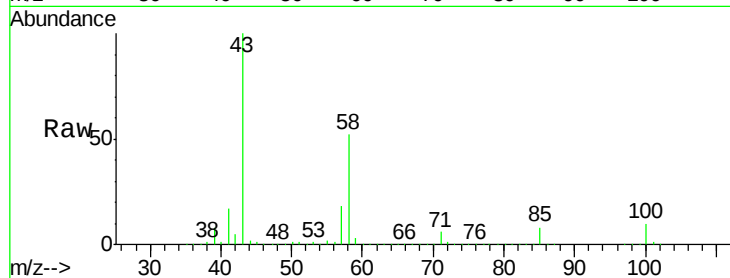
#59
2-Hexanone
Concen: 238.256 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 846117
Ion Ratio Lower Upper
43 100
58 52.0 25.9 77.7

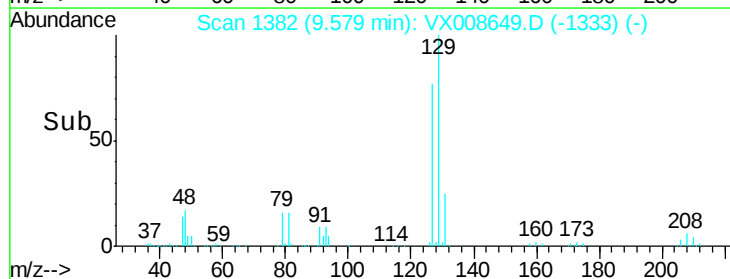
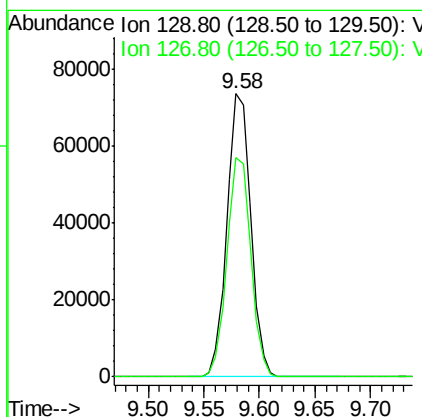
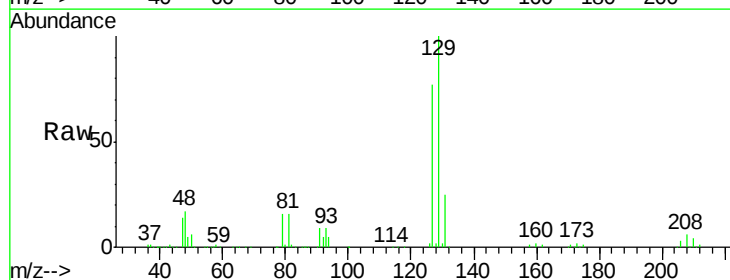
Manual Integrations
APPROVED

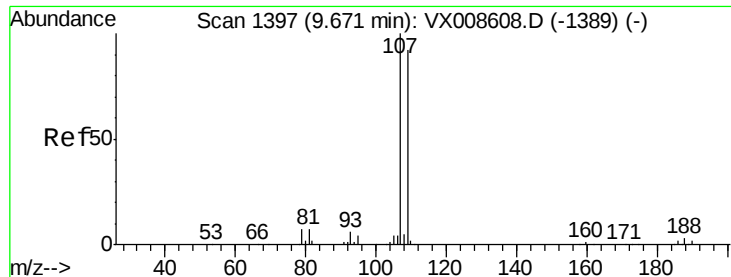
MMDadoda
4/5/2019 11:12:32 AM



#60
Dibromochloromethane
Concen: 48.403 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Tgt Ion: 129 Resp: 109168
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 46.349 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 115488

Ion Ratio Lower Upper

107 100

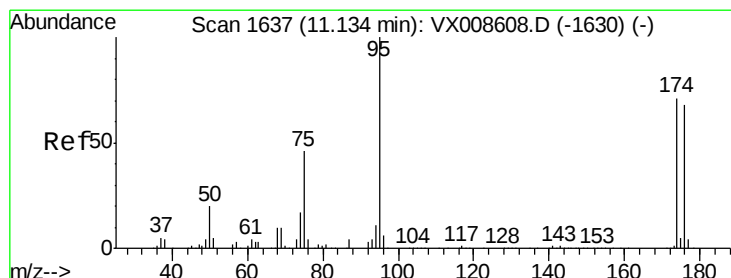
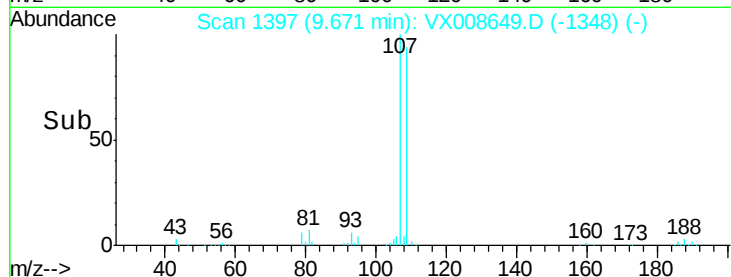
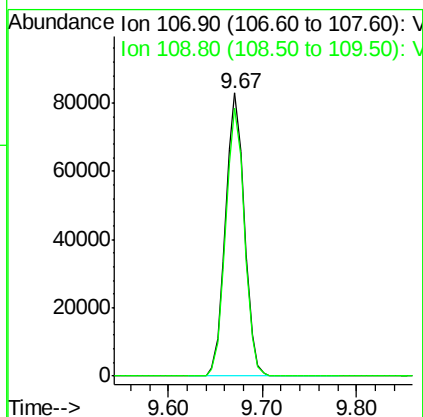
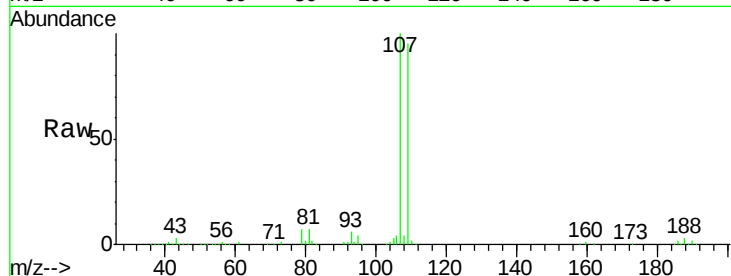
109 95.0 74.1 111.1

Manual Integrations

APPROVED

MMDadoda

4/5/2019 11:12:32 AM



#62

4-Bromofluorobenzene

Concen: 48.698 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

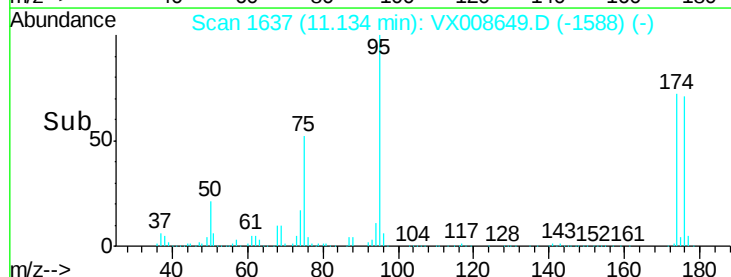
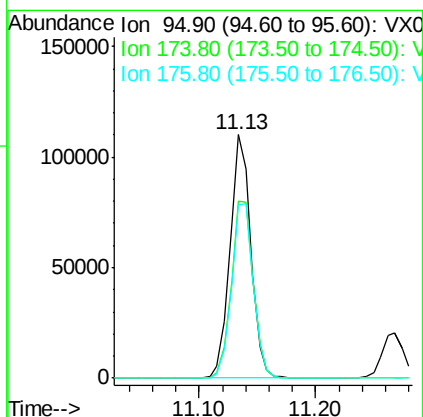
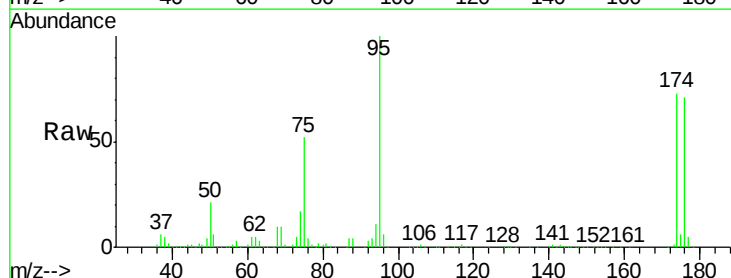
Tgt Ion: 95 Resp: 136541

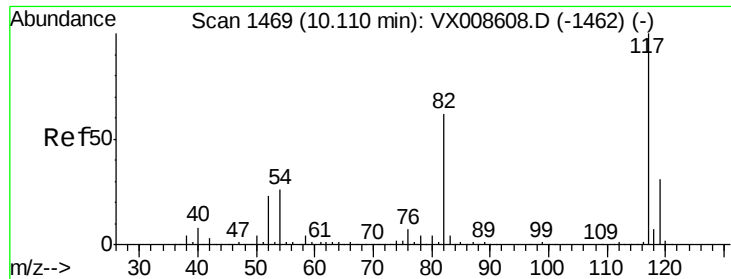
Ion Ratio Lower Upper

95 100

174 77.2 0.0 151.8

176 75.1 0.0 145.8





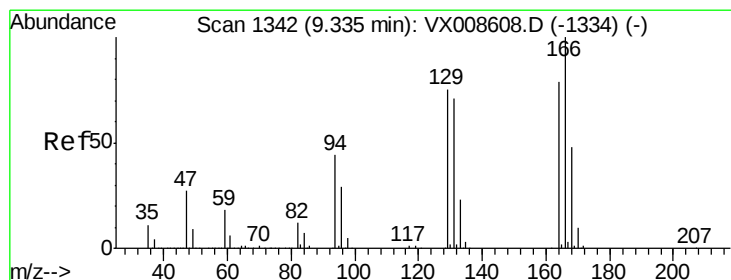
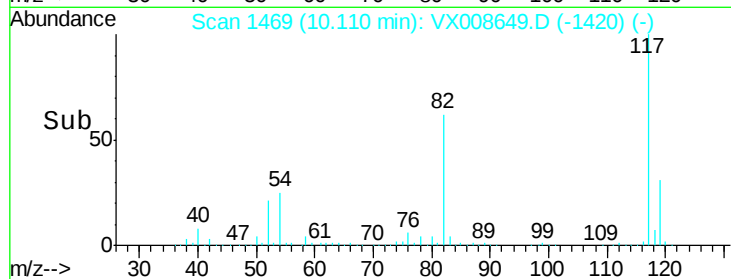
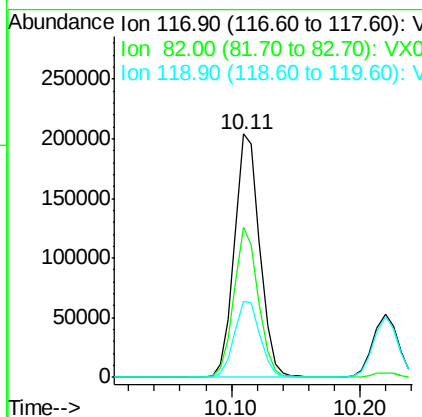
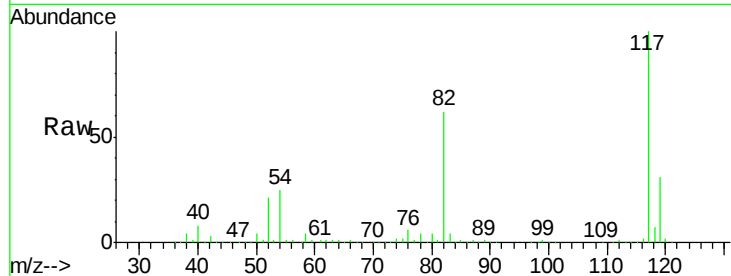
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	280070		
82	61.6	49.6	74.4	
119	31.2	25.0	37.4	

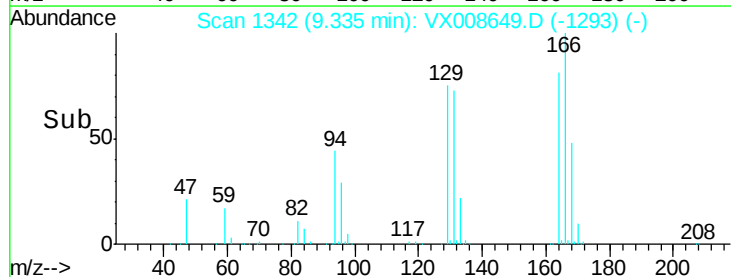
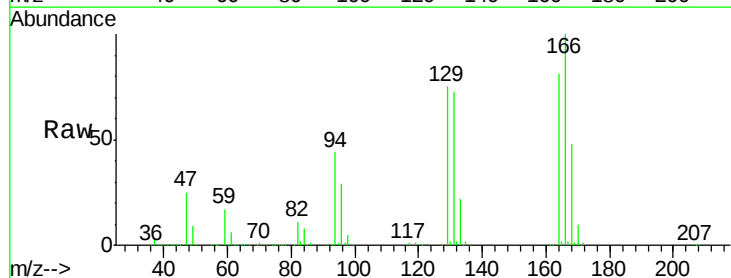
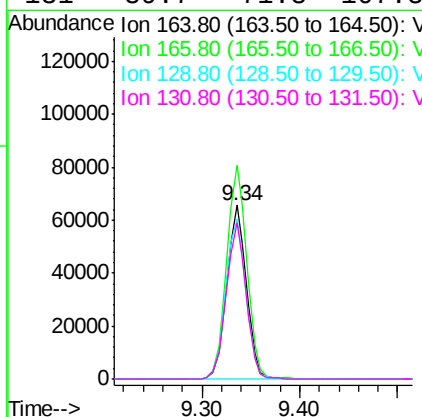
Manual Integrations
APPROVED

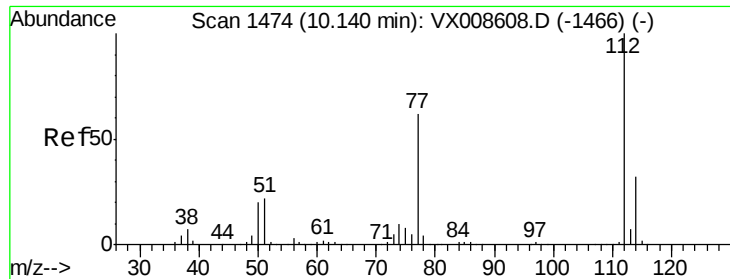
MMDadoda
4/5/2019 11:12:32 AM



#64
Tetrachloroethene
Concen: 44.144 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	91600		
166	123.0	101.0	151.6	
129	92.0	75.8	113.8	
131	89.7	71.8	107.8	





#65

Chlorobenzene

Concen: 45.192 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion:112 Resp: 280562

Ion Ratio Lower Upper

112 100

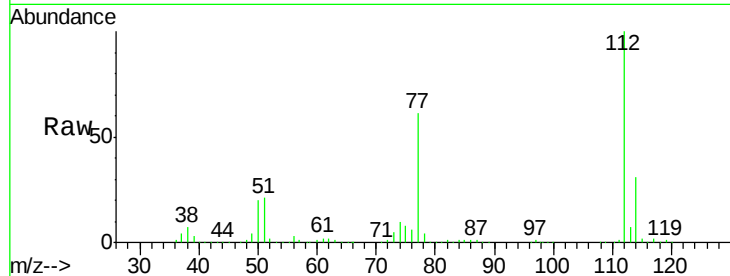
114 30.9 25.8 38.8

Manual Integrations

APPROVED

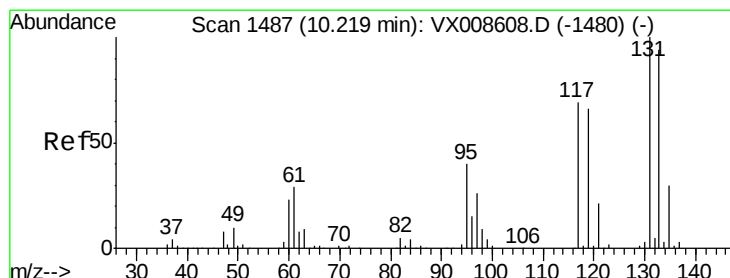
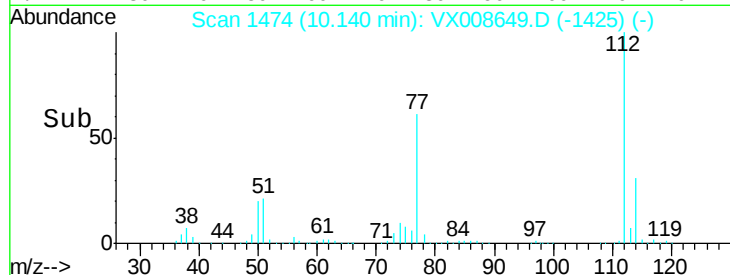
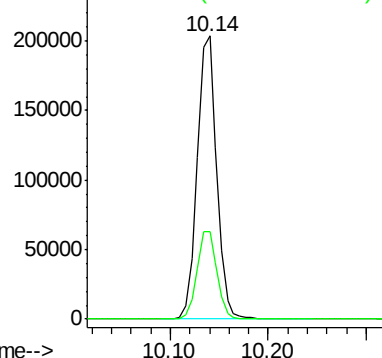
MMDadoda

4/5/2019 11:12:32 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: 46.045 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

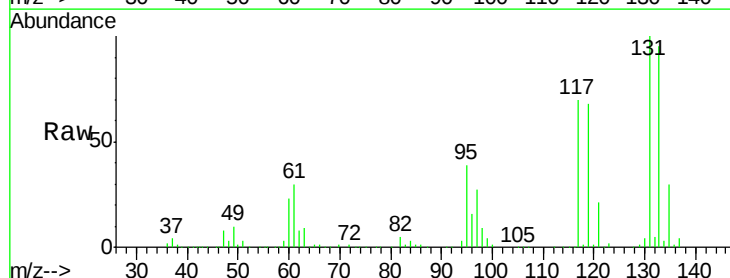
Tgt Ion:131 Resp: 100284

Ion Ratio Lower Upper

131 100

133 96.1 47.0 141.2

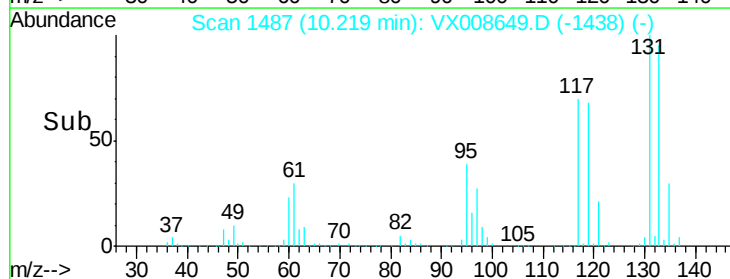
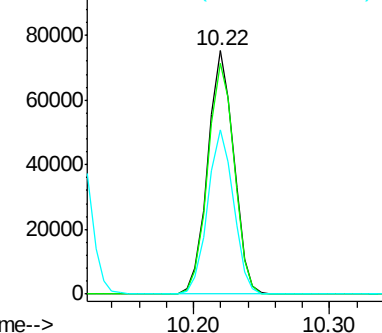
119 67.3 33.7 101.0

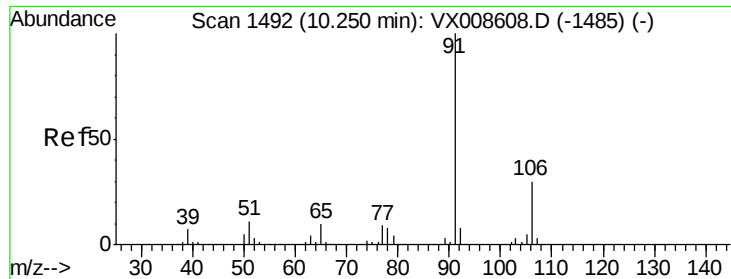


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 45.615 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 528055

Ion Ratio Lower Upper

91 100

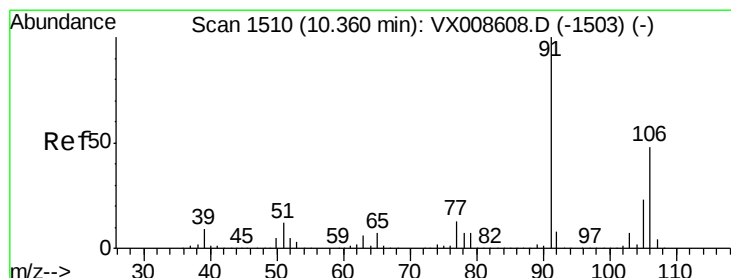
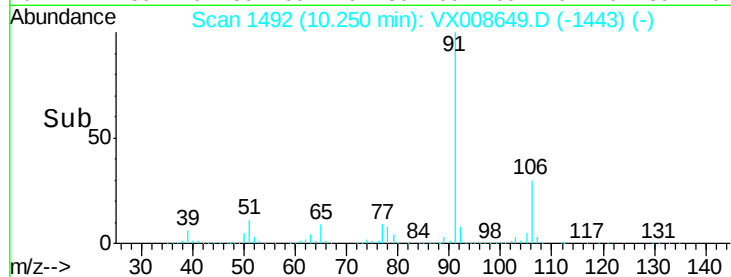
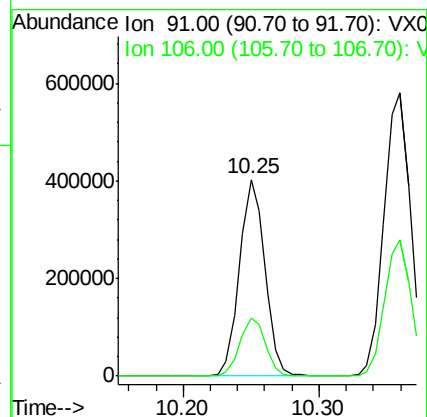
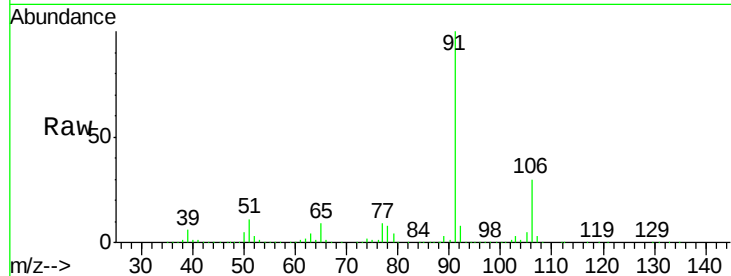
106 29.6 23.7 35.5

Manual Integrations

APPROVED

MMDadoda

4/5/2019 11:12:32 AM



#68

m/p-Xylenes

Concen: 91.057 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008649.D

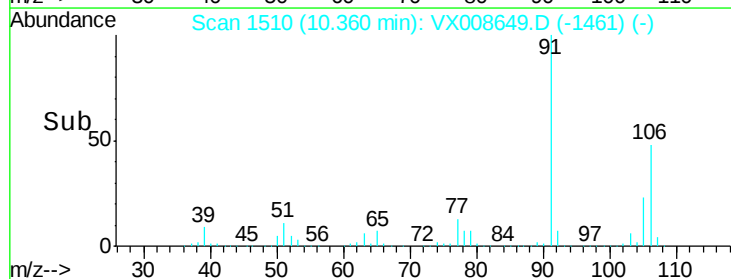
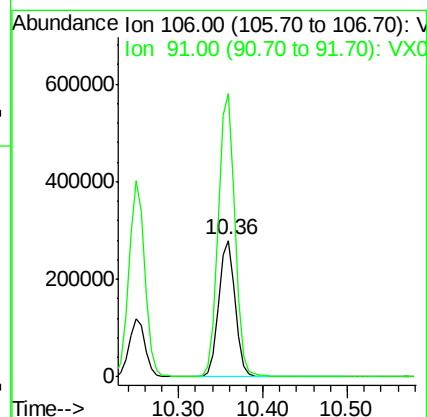
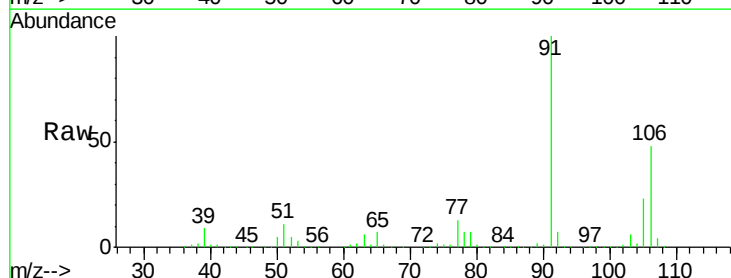
Acq: 04 Apr 2019 20:24

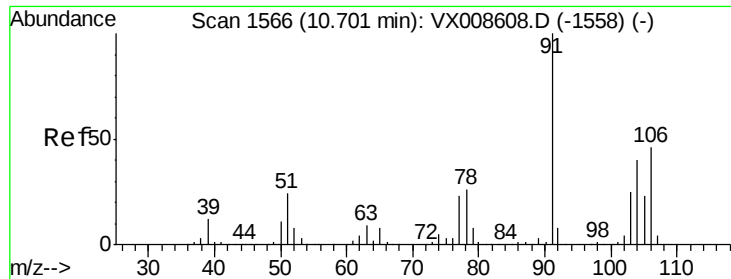
Tgt Ion: 106 Resp: 379009

Ion Ratio Lower Upper

106 100

91 210.1 168.5 252.7





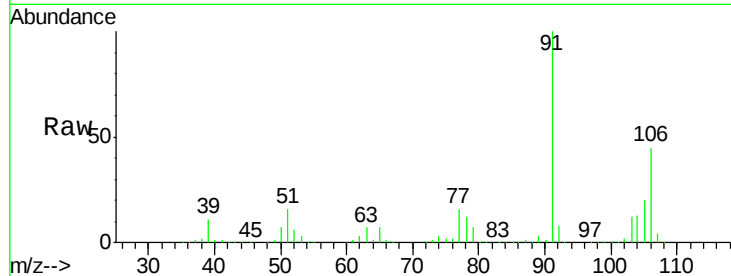
#69
o-Xylene
Concen: 46.255 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

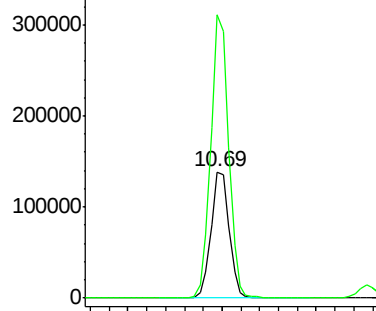
Tot Ion	Ratio	Lower	Upper
106	100		
91	219.7	111.5	334.4

Manual Integrations
APPROVED

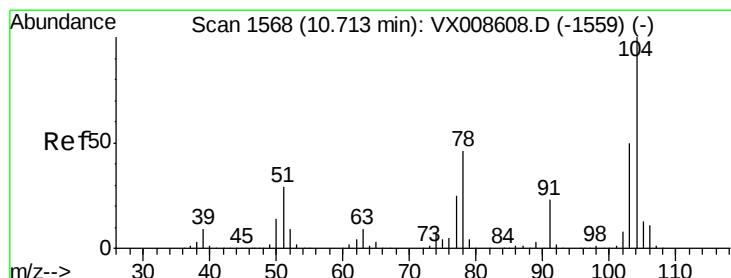
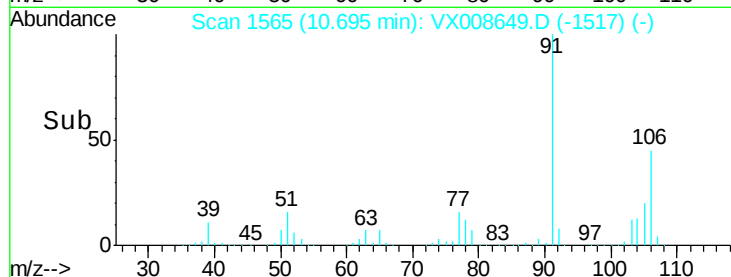
MMDadoda
4/5/2019 11:12:32 AM



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

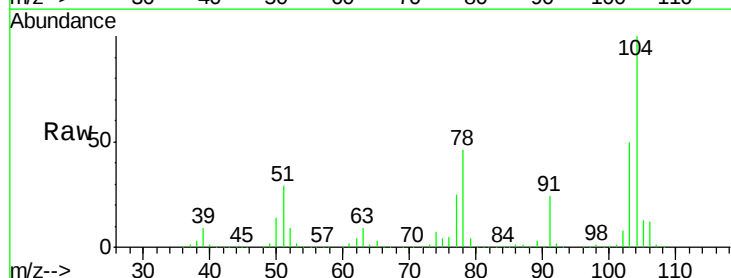


Time-->

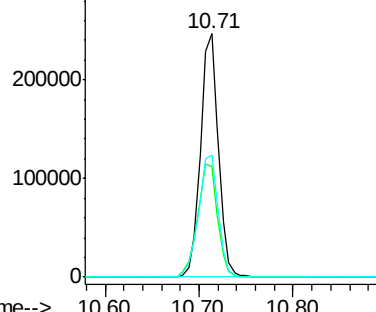


#70
Styrene
Concen: 46.626 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

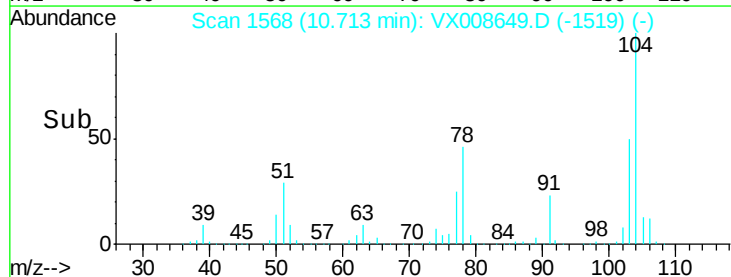
Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.4	42.3	63.5
103	55.5	44.4	66.6

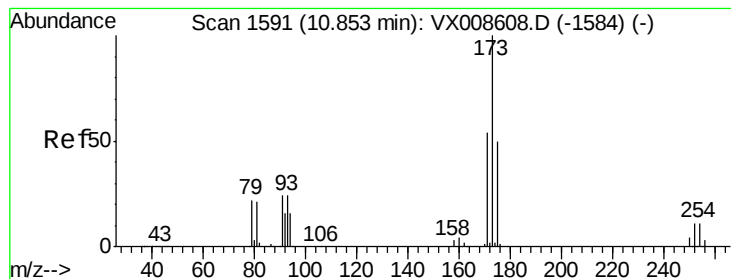


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 48.858 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 81272

Ion Ratio Lower Upper

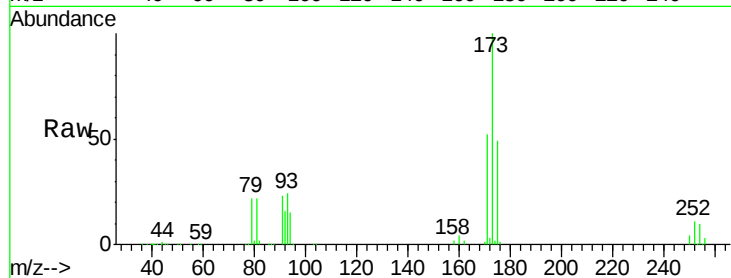
173 100

175 48.6 24.9 74.6

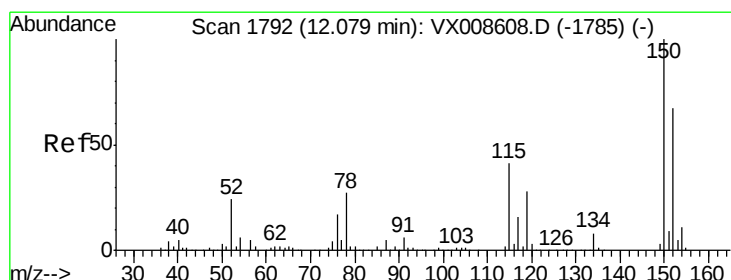
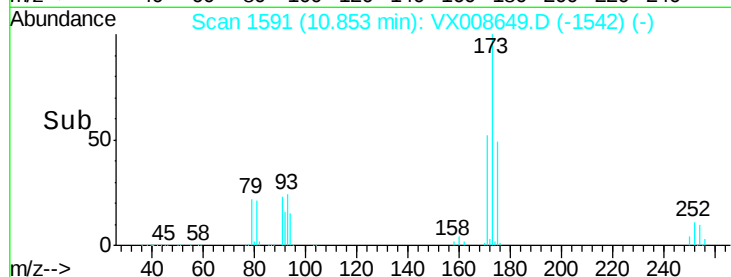
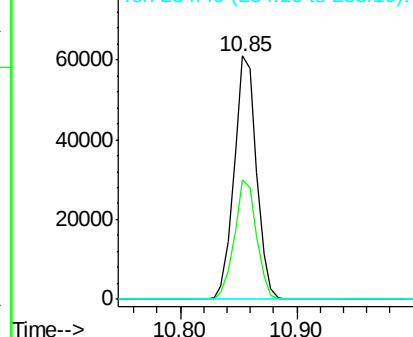
254 0.1 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda
4/5/2019 11:12:32 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: VX008649.D

Acq: 04 Apr 2019 20:24

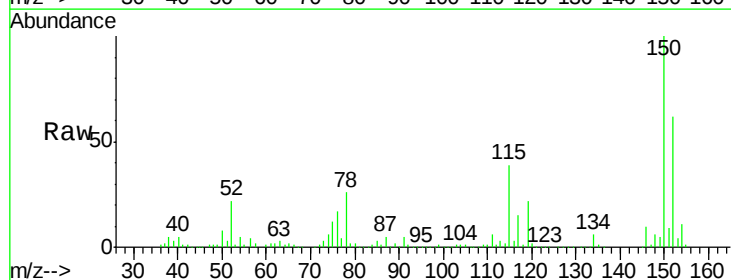
Tgt Ion:152 Resp: 126888

Ion Ratio Lower Upper

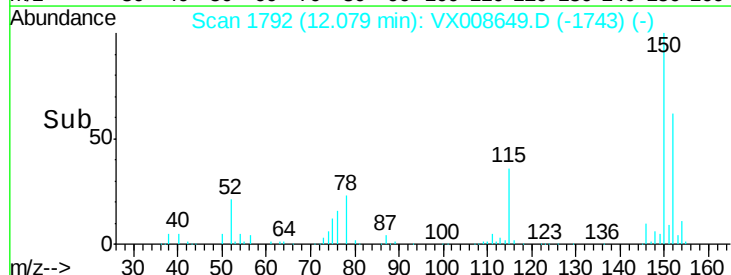
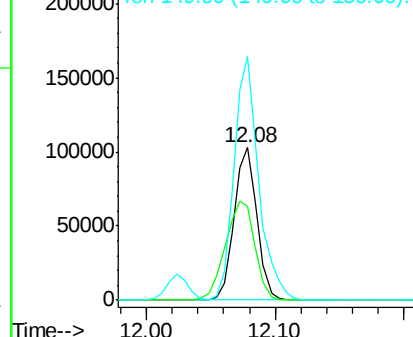
152 100

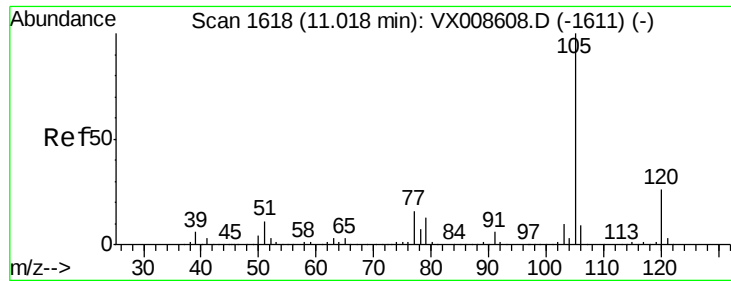
115 83.9 43.5 130.5

150 173.6 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.473 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 488692

Ion Ratio Lower Upper

105 100

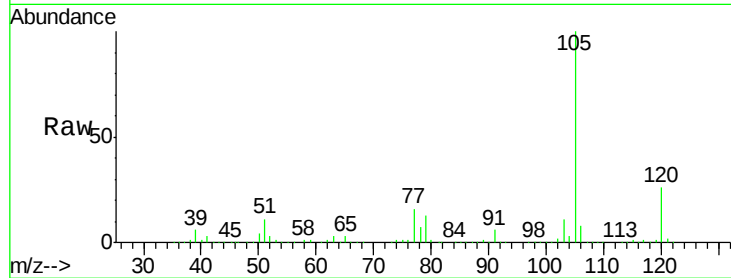
120 25.9 12.9 38.6

Manual Integrations

APPROVED

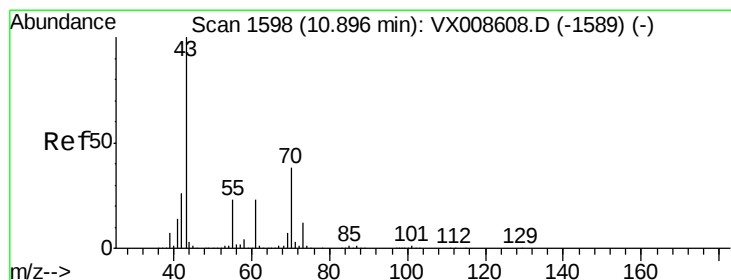
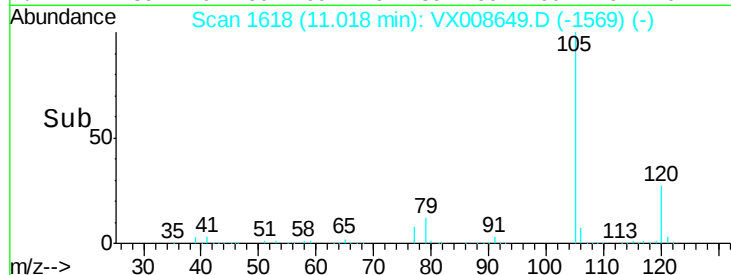
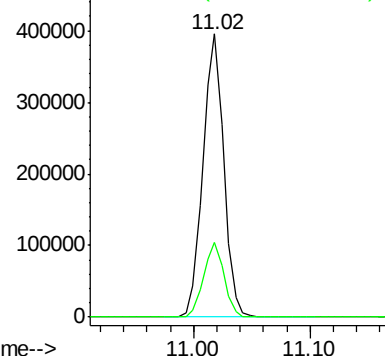
MMDadoda

4/5/2019 11:12:32 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.406 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Tgt Ion: 43 Resp: 299478

Ion Ratio Lower Upper

43 100

70 37.7 30.2 45.4

55 22.0 18.2 27.4

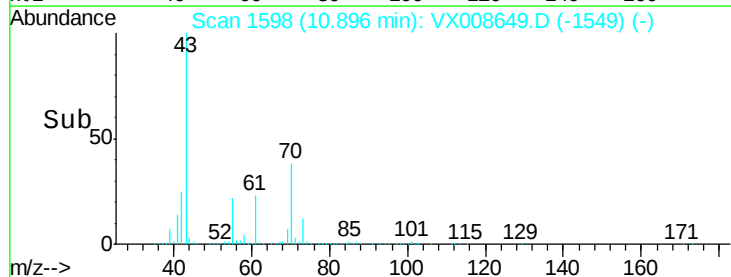
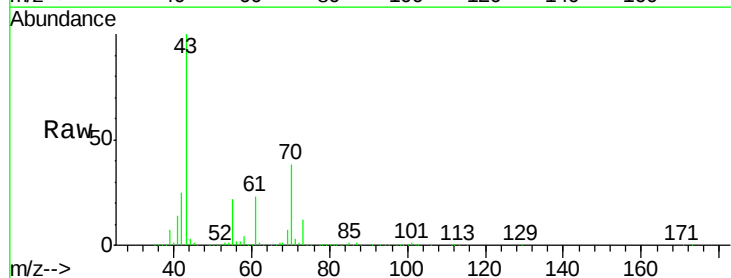
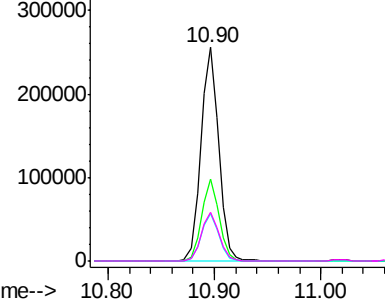
61 23.0 18.6 28.0

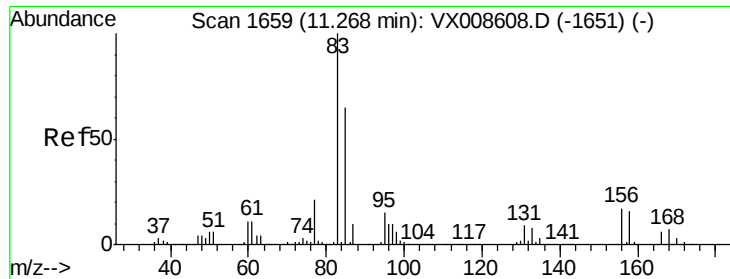
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.457 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Instrument :

MSVOA_X

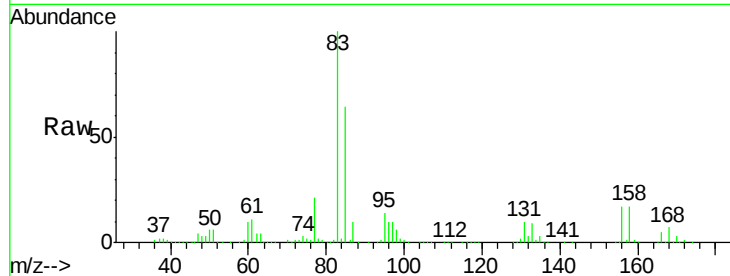
ClientSampleId :

VSTDCCC050EC

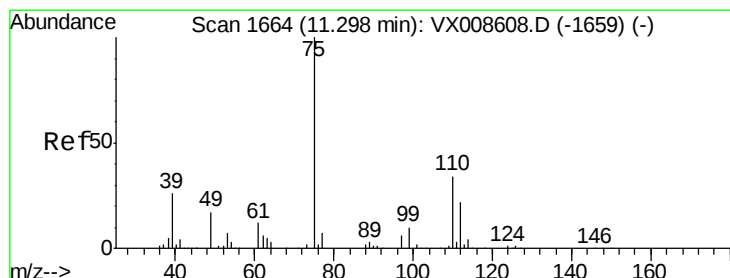
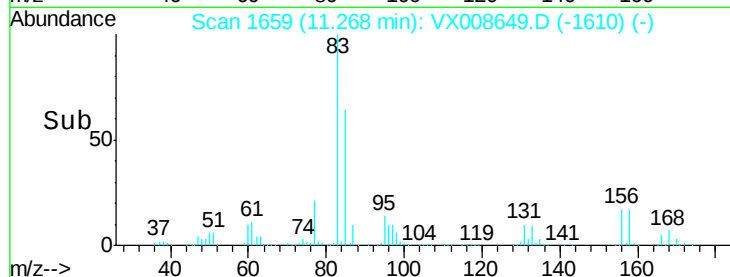
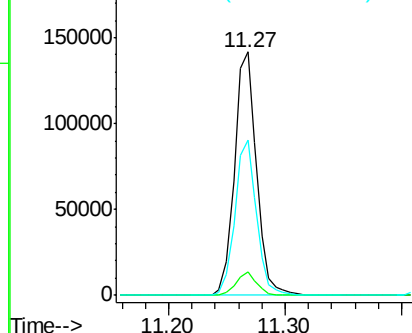
Tot Ion:	83	Resp:	185794
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.5	13.7
85	63.0	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
4/5/2019 11:12:32 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 45.797 ug/l m

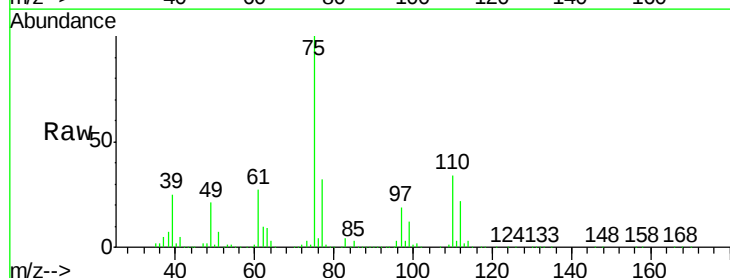
RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

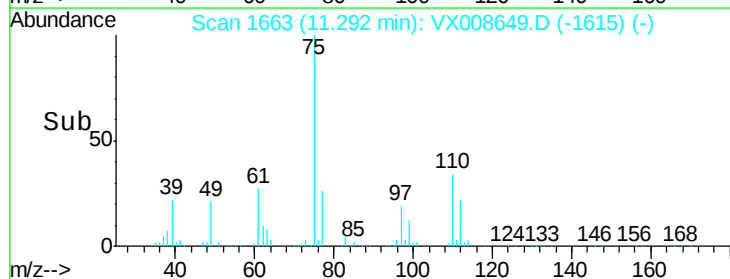
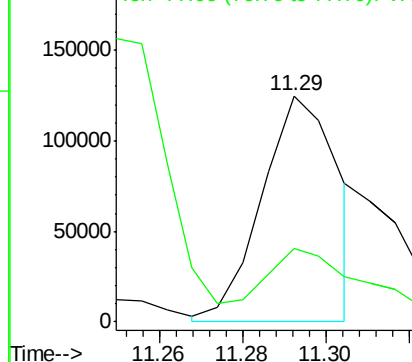
Lab File: VX008649.D

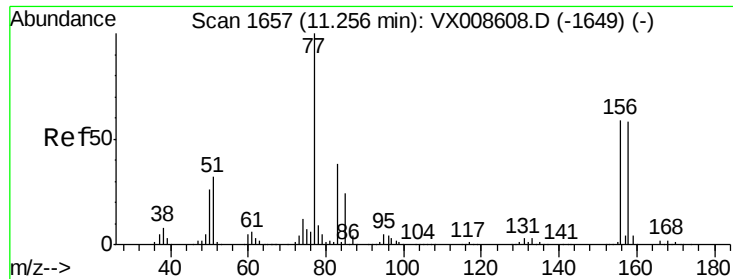
Acq: 04 Apr 2019 20:24

Tgt Ion:	75	Resp:	159636
Ion Ratio	Lower	Upper	
75	100		
77	43.8	22.3	66.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 46.886 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Instrument :

MSVOA_X

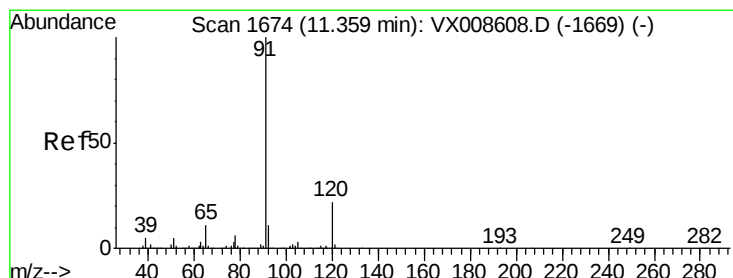
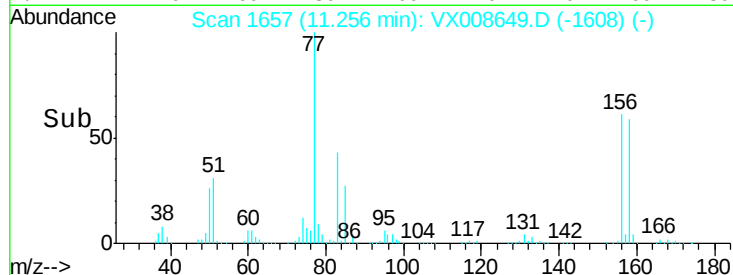
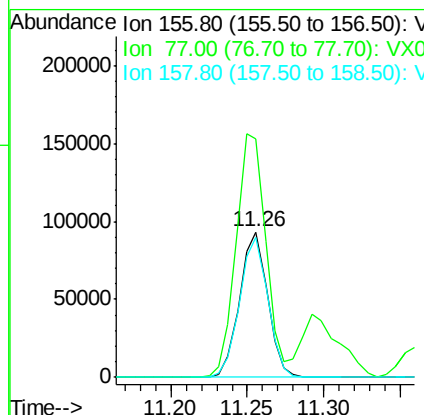
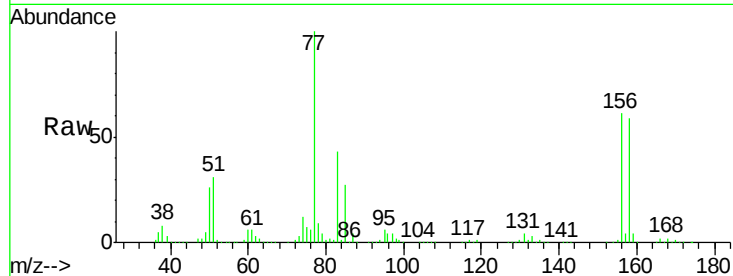
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	118525
Ion Ratio	Lower	Upper	
156	100		
77	177.9	89.8	269.6
158	97.3	48.6	145.9

Manual Integrations
APPROVED

MMDadoda
4/5/2019 11:12:32 AM



#78

n-propylbenzene

Concen: 46.398 ug/l

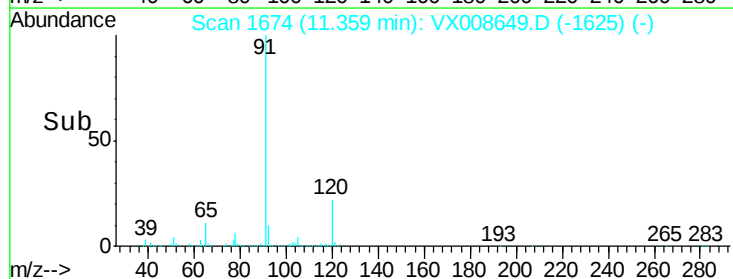
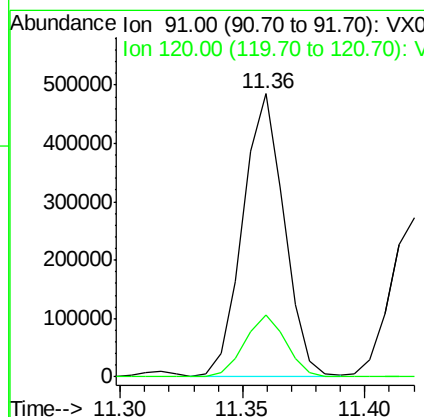
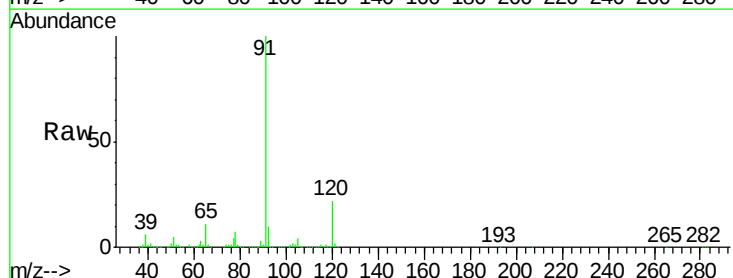
RT: 11.36 min Scan# 1674

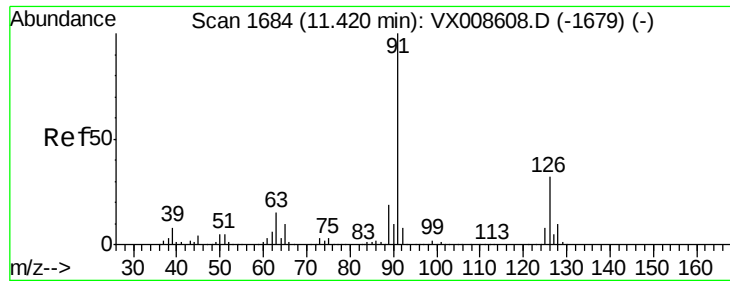
Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Tgt Ion:	91	Resp:	568098
Ion Ratio	Lower	Upper	
91	100		
120	22.2	10.9	32.7





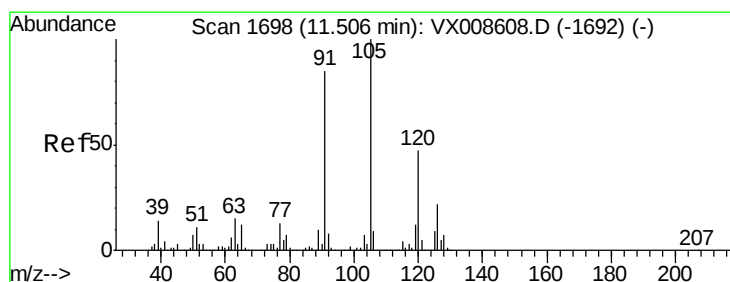
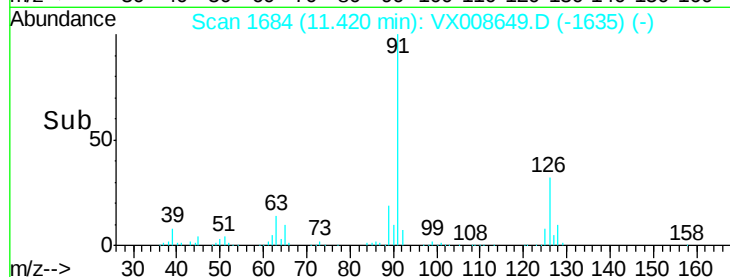
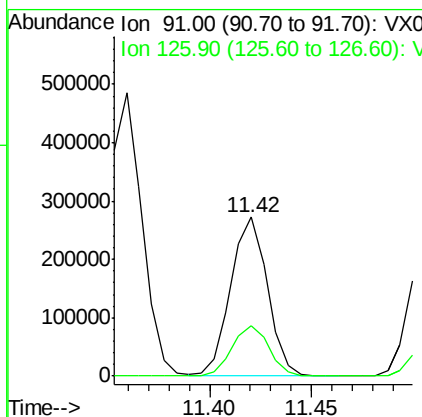
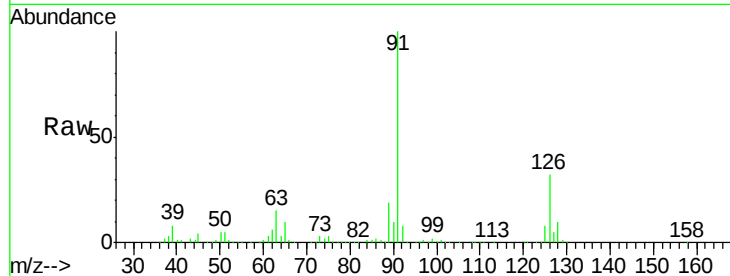
#79
2-Chlorotoluene
Concen: 45.760 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 339059
Ion Ratio Lower Upper
91 100
126 32.1 16.1 48.3

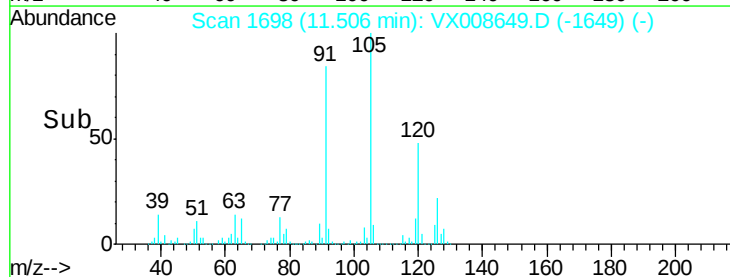
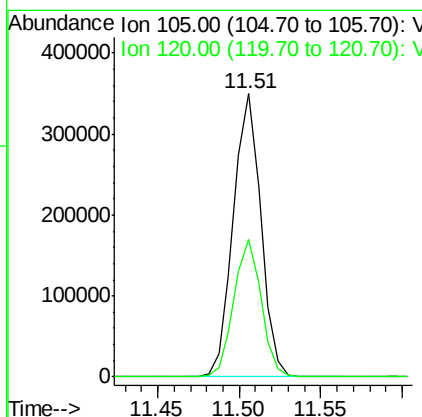
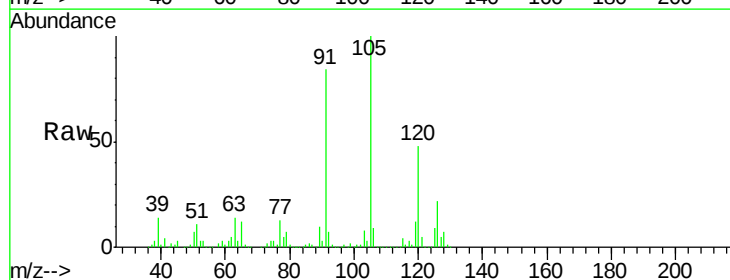
Manual Integrations
APPROVED

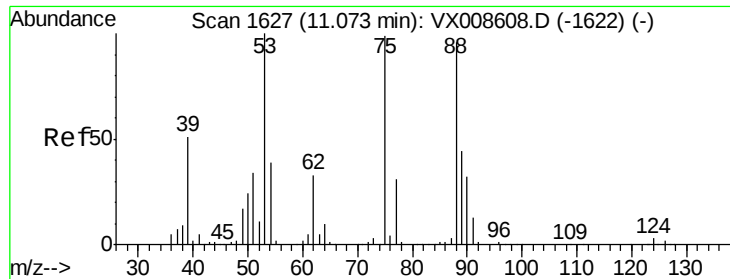
MMDadoda
4/5/2019 11:12:32 AM



#80
1,3,5-Trimethylbenzene
Concen: 46.620 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Tgt Ion: 105 Resp: 411515
Ion Ratio Lower Upper
105 100
120 48.2 23.5 70.6





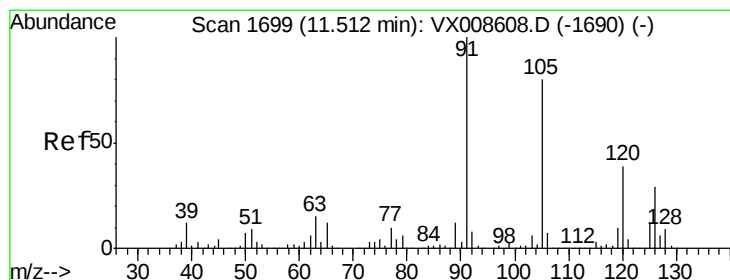
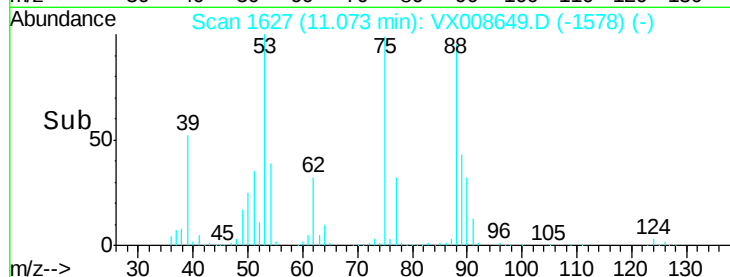
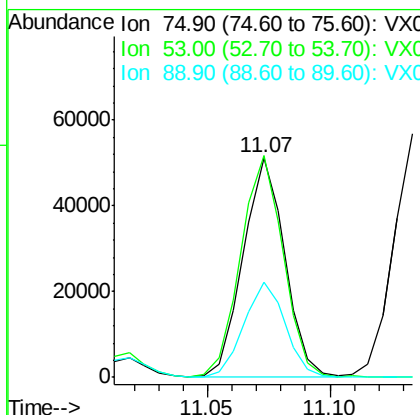
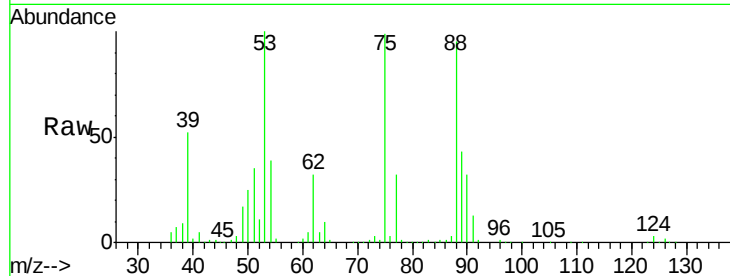
#81
trans-1,4-Dichloro-2-butene
Concen: 47.988 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.8	81.3	121.9
89	43.6	35.6	53.4

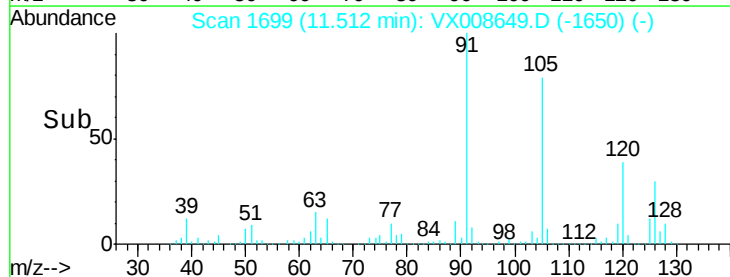
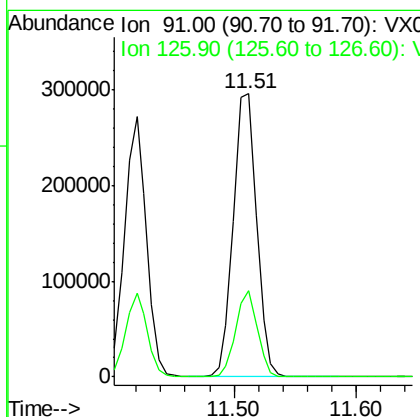
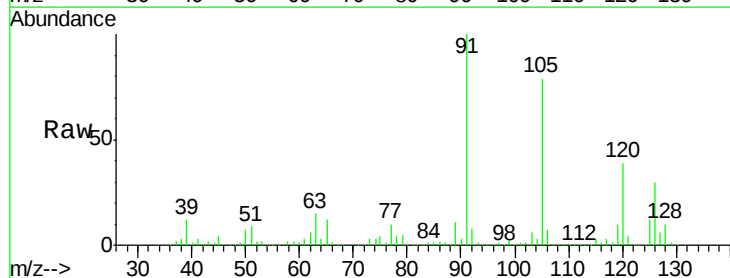
Manual Integrations
APPROVED

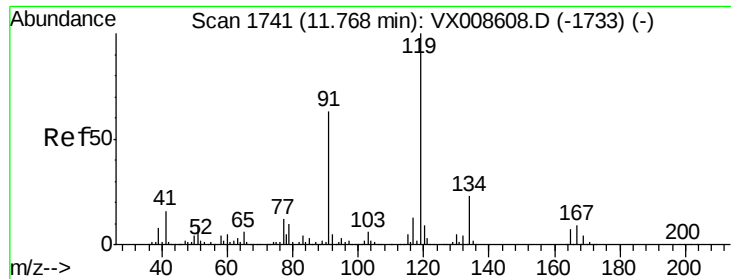
MMDadoda
4/5/2019 11:12:32 AM



#82
4-Chlorotoluene
Concen: 45.387 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.3	13.9	41.6





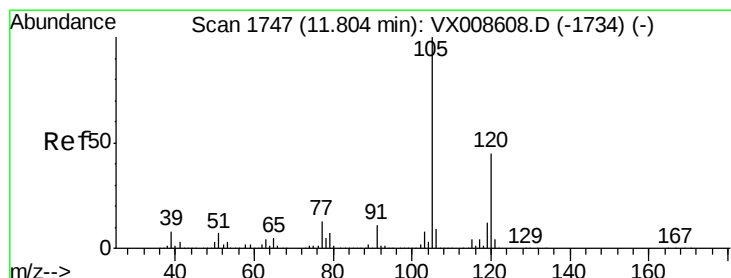
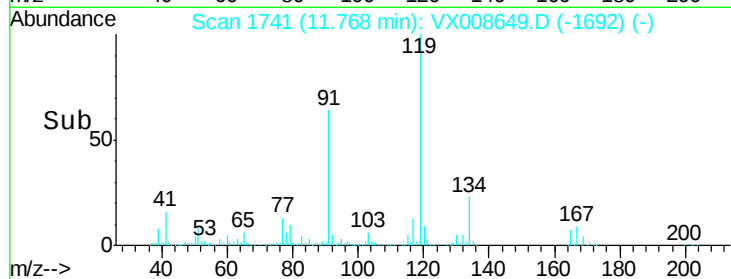
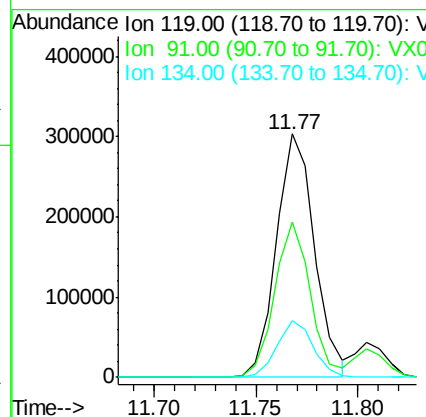
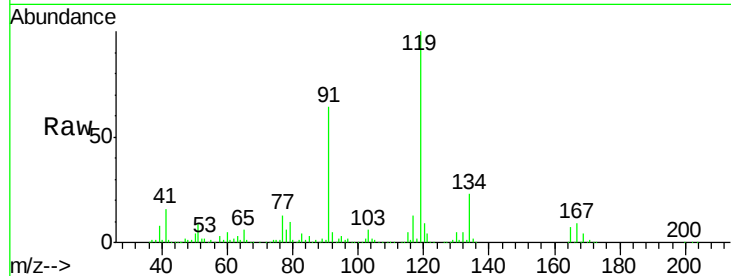
#83
 tert-Butylbenzene
 Concen: 46.568 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX008649.D
 Acq: 04 Apr 2019 20:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	395467		
91	59.8	30.0	90.1	
134	22.2	11.1	33.3	

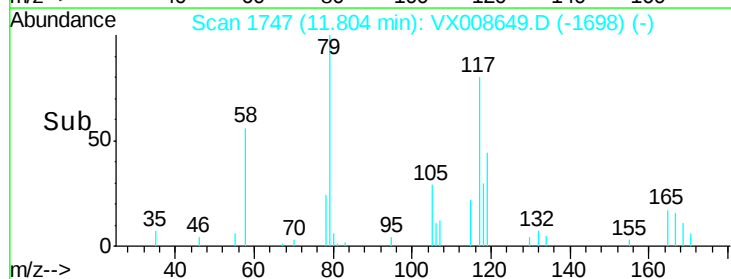
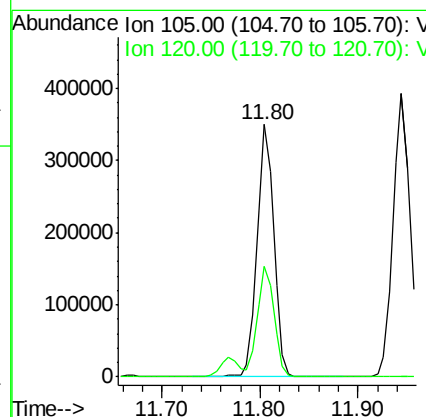
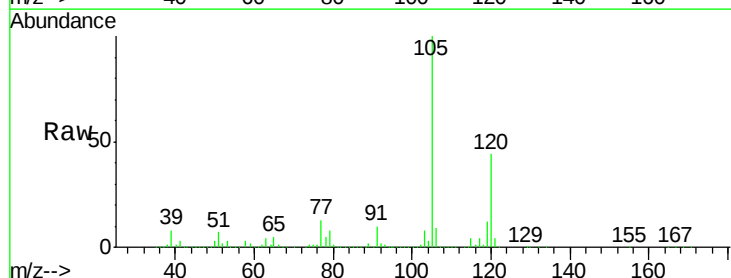
Manual Integrations
 APPROVED

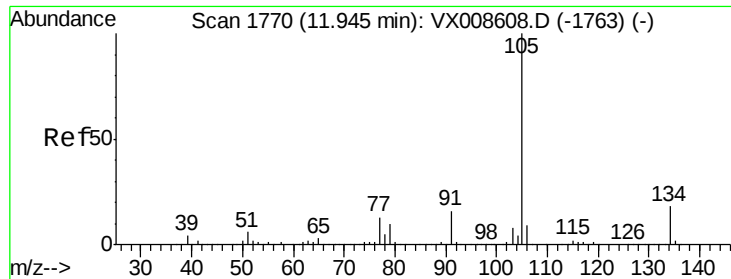
MMDadoda
 4/5/2019 11:12:32 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 46.634 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008649.D
 Acq: 04 Apr 2019 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	416804		
120	43.3	21.8	65.3	





#85

sec-Butylbenzene

Concen: 46.551 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 469566

Ion Ratio Lower Upper

105 100

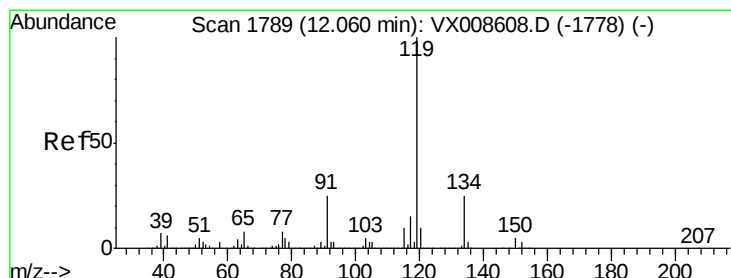
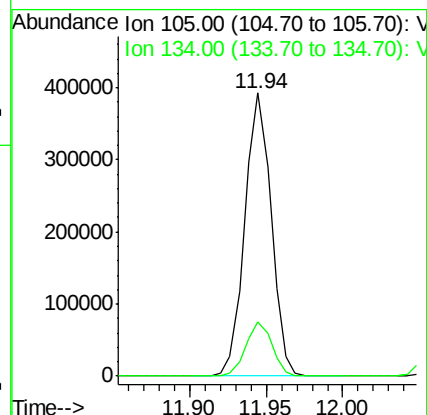
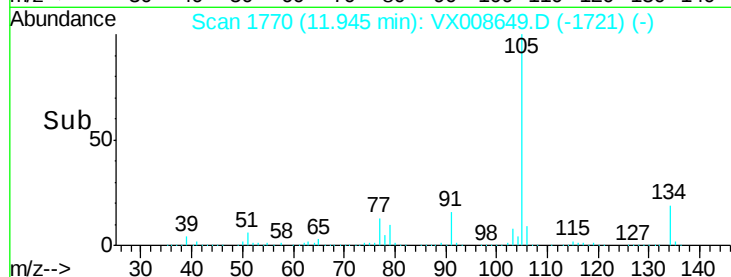
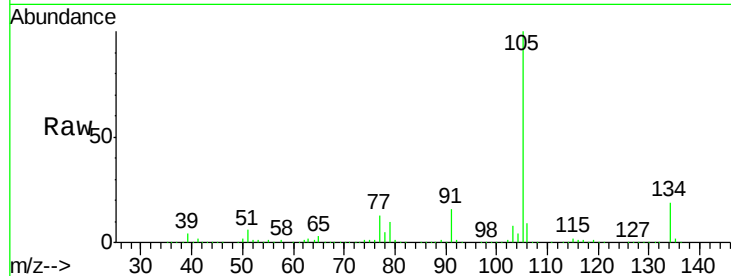
134 19.1 9.4 28.2

Manual Integrations

APPROVED

MMDadoda

4/5/2019 11:12:32 AM



#86

p-Isopropyltoluene

Concen: 46.846 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008649.D

Acq: 04 Apr 2019 20:24

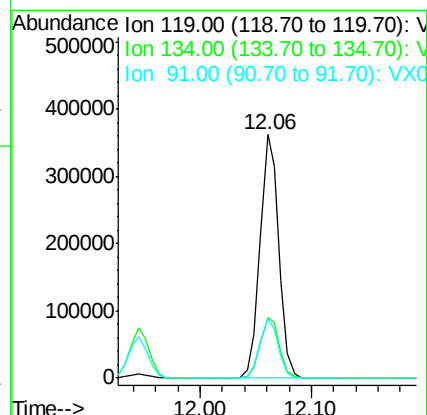
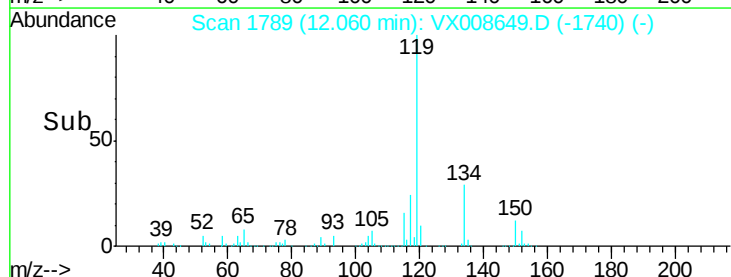
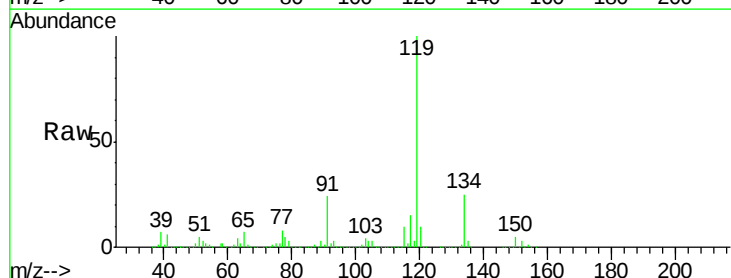
Tgt Ion:119 Resp: 424127

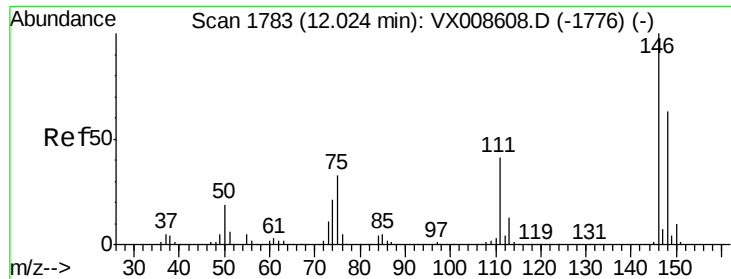
Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

91 24.1 12.2 36.6





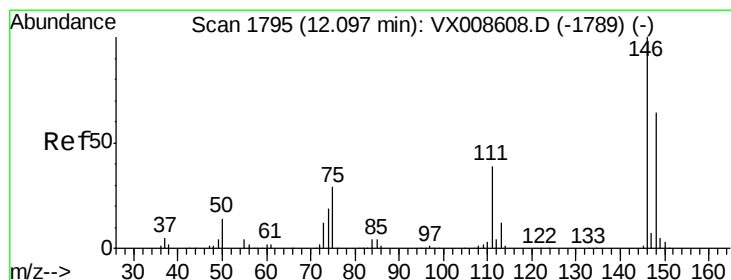
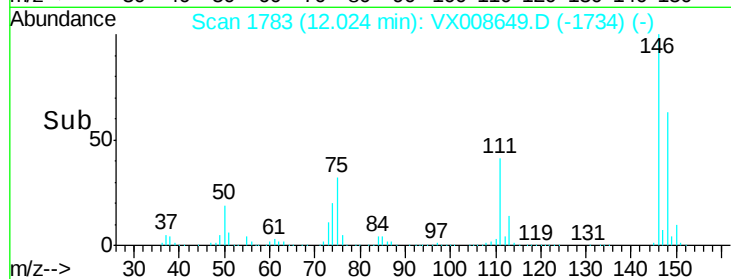
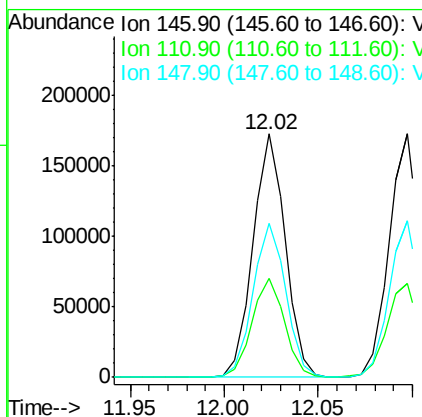
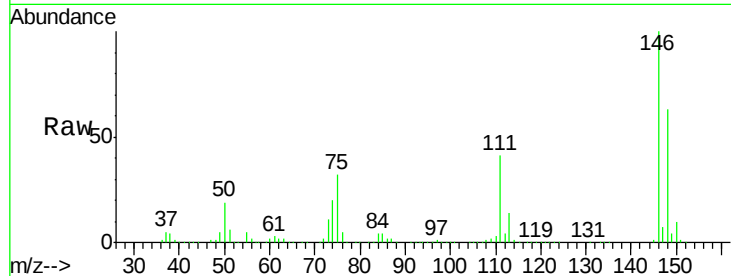
#87
 1,3-Dichlorobenzene
 Concen: 45.414 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008649.D
 Acq: 04 Apr 2019 20:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.5	61.5
148	64.2	31.6	94.7

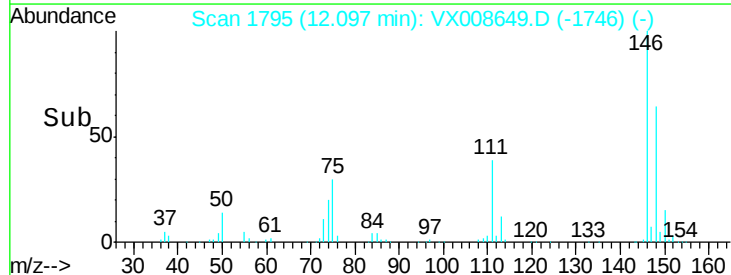
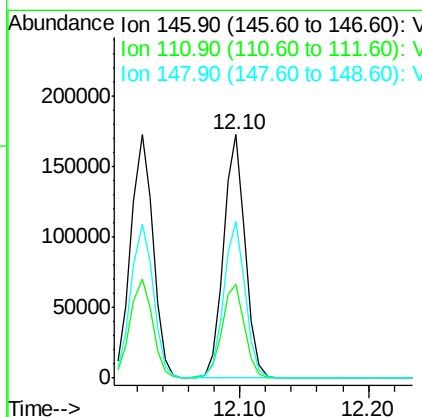
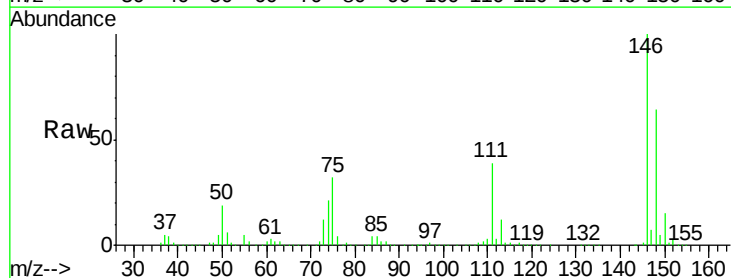
Manual Integrations
 APPROVED

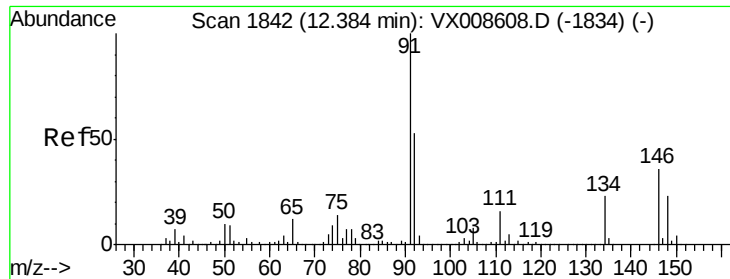
MMDadoda
 4/5/2019 11:12:32 AM



#88
 1,4-Dichlorobenzene
 Concen: 44.704 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008649.D
 Acq: 04 Apr 2019 20:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.2	60.6
148	64.0	32.0	96.0





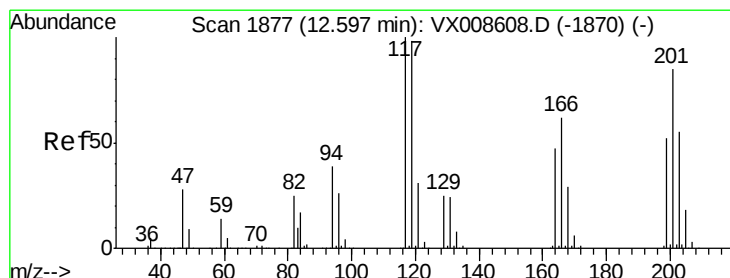
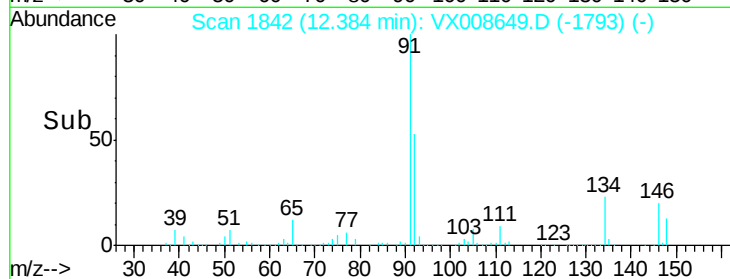
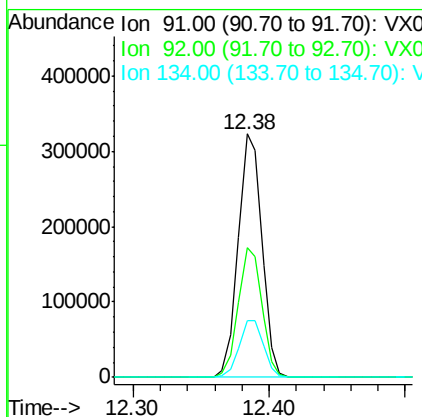
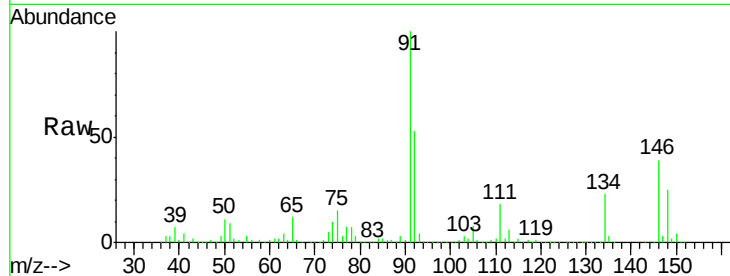
#89
n-Butylbenzene
Concen: 46.228 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.4	79.2
134	23.9	12.0	36.0

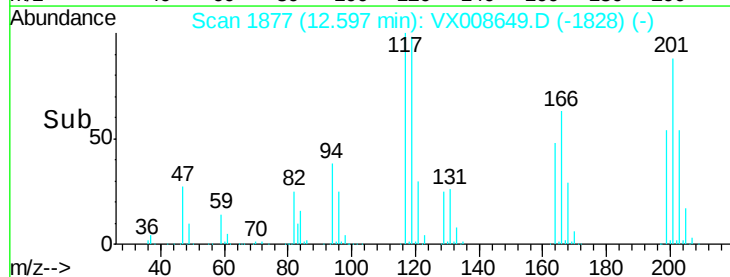
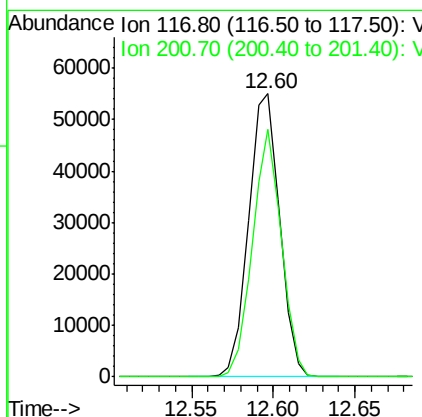
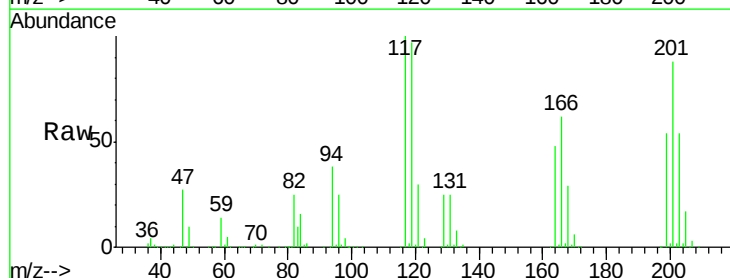
Manual Integrations
APPROVED

MMDadoda
4/5/2019 11:12:32 AM



#90
Hexachloroethane
Concen: 48.648 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.6	40.6	122.0





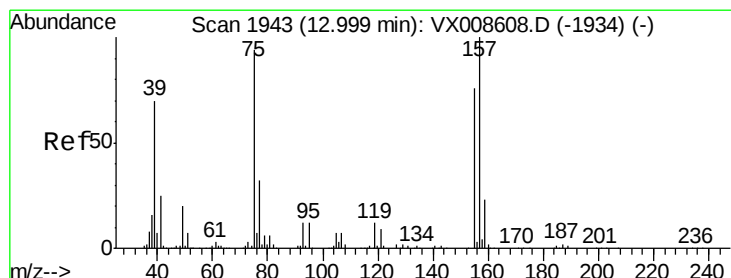
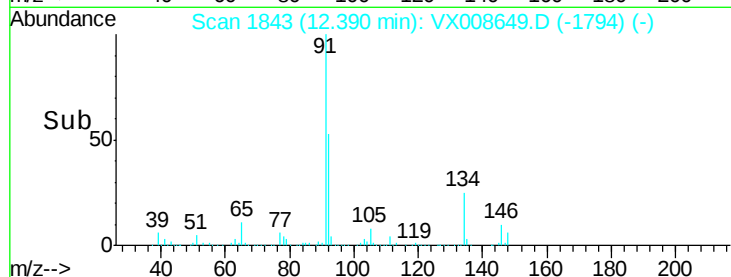
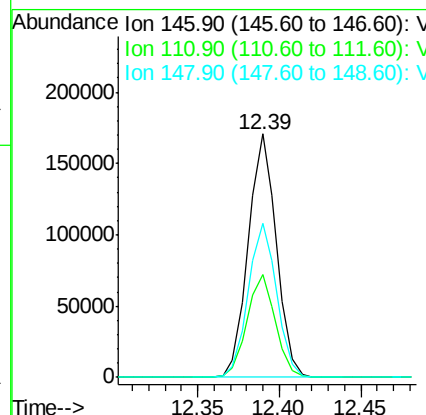
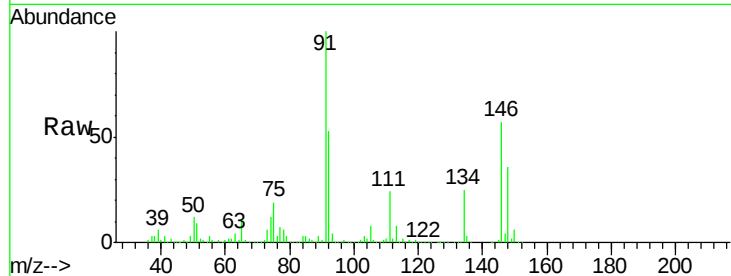
#91
 1,2-Dichlorobenzene
 Concen: 45.714 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008649.D
 Acq: 04 Apr 2019 20:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	63.9
148	64.2	31.7	95.1

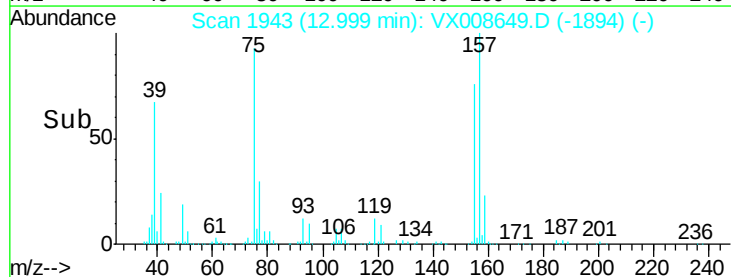
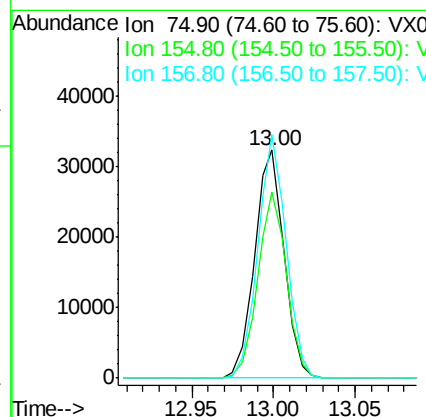
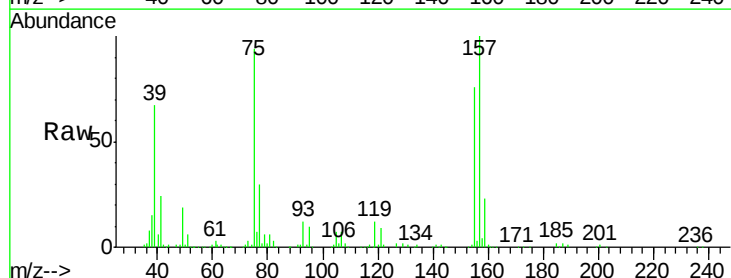
Manual Integrations
 APPROVED

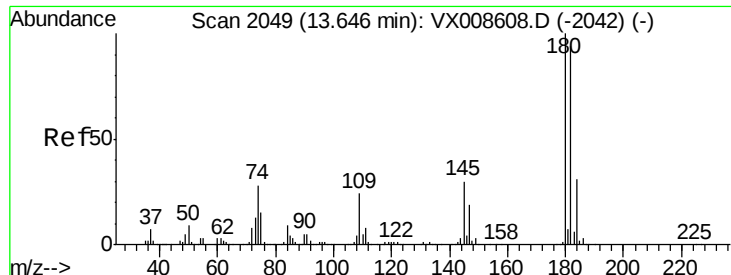
MMDadoda
 4/5/2019 11:12:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.276 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008649.D
 Acq: 04 Apr 2019 20:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.2	39.9	119.6
157	102.4	51.5	154.7





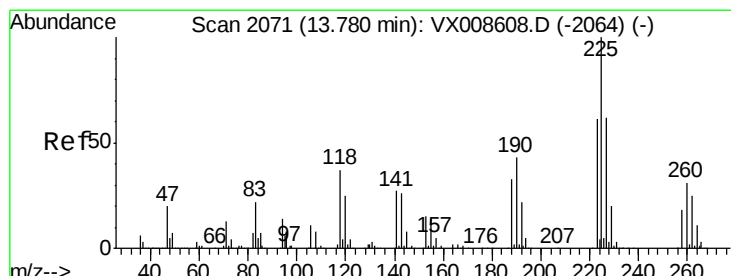
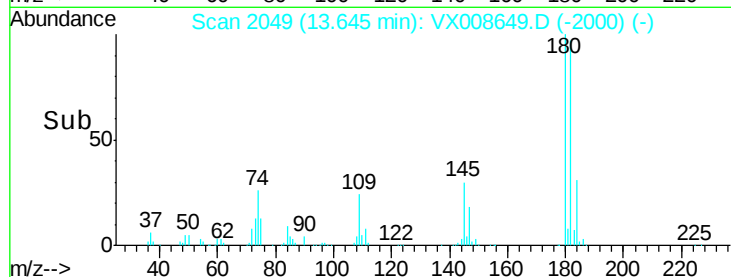
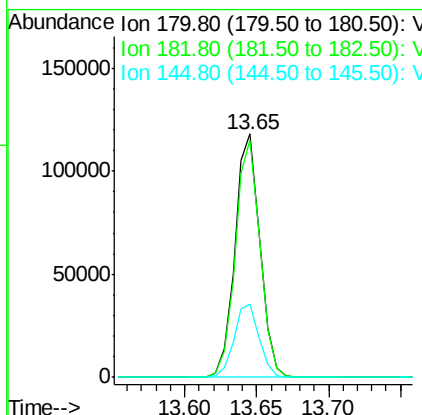
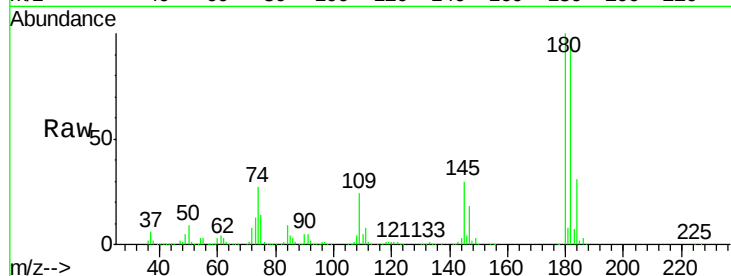
#93
 1,2,4-Trichlorobenzene
 Concen: 45.573 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008649.D
 Acq: 04 Apr 2019 20:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	142379		
182	96.4	47.2	141.6	
145	30.3	15.3	45.9	

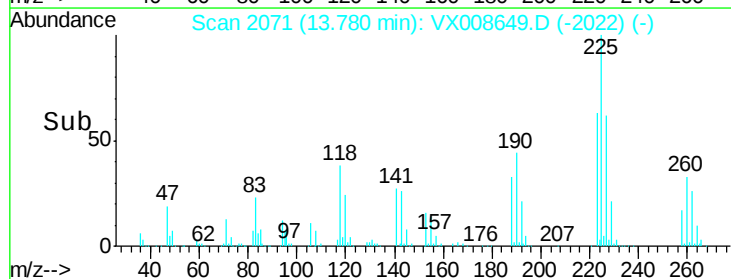
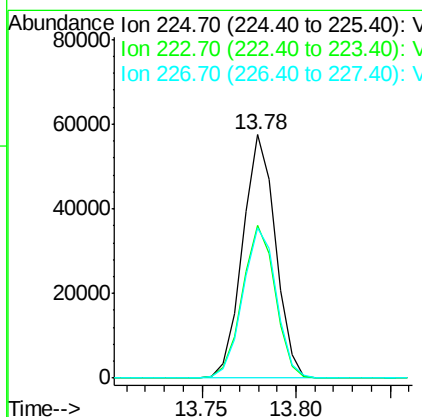
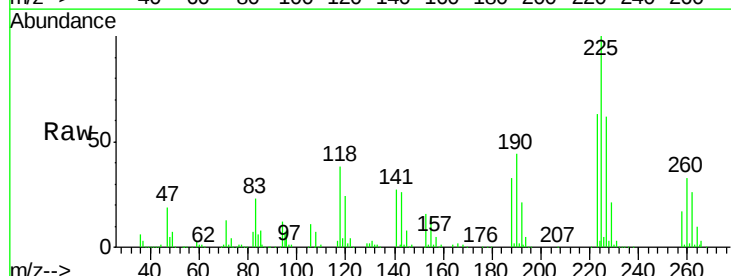
Manual Integrations
 APPROVED

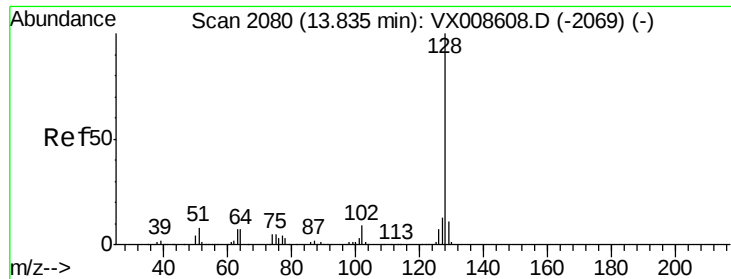
MMDadoda
 4/5/2019 11:12:32 AM



#94
 Hexachlorobutadiene
 Concen: 46.344 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008649.D
 Acq: 04 Apr 2019 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69438		
223	62.7	31.2	93.6	
227	62.8	31.9	95.5	





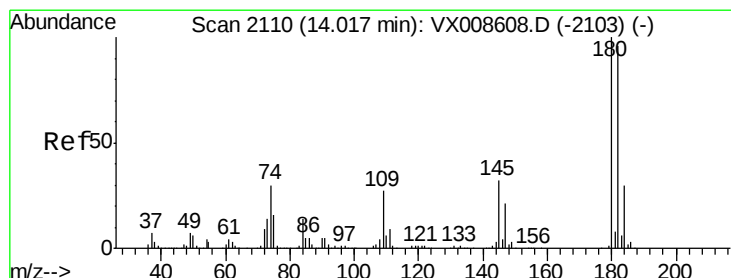
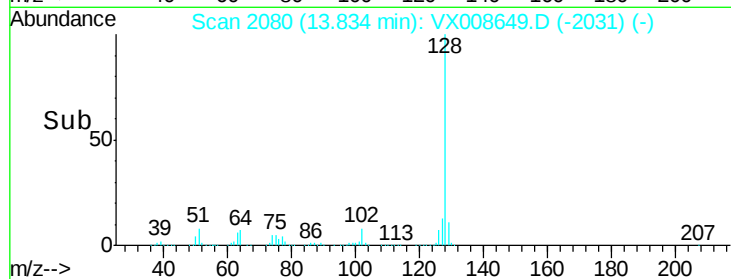
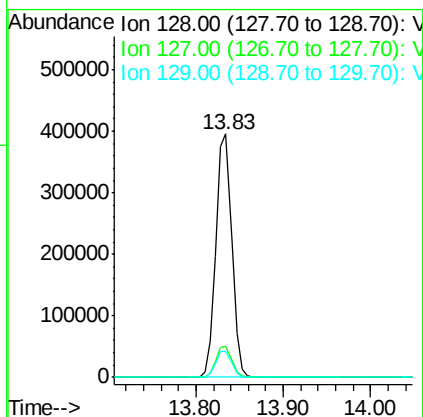
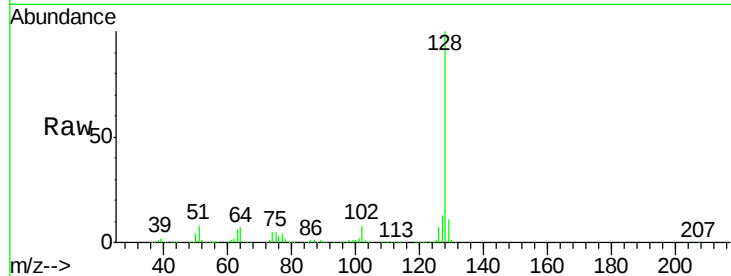
#95
Naphthalene
Concen: 47.251 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/5/2019 11:12:32 AM



#96
1,2,3-Trichlorobenzene
Concen: 45.646 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008649.D
Acq: 04 Apr 2019 20:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.1	144.3
145	31.6	16.3	48.8

