

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072718\
 Data File : VX003714.D
 Acq On : 27 Jul 2018 13:57
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 3:42:29 PM

Quant Time: Jul 28 02:17:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 14:47:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	23558	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	122052	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	111242	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	49446	30.73	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.43%
60) 4-Bromofluorobenzene	11.14	95	53260	29.80	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.33%
63) Toluene-d8	8.72	98	156432	31.81	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	106.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	22476	12.568	ug/l 99
3) Chloromethane	1.32	50	30348	17.087	ug/l 99
4) Vinyl Chloride	1.40	62	31925	16.486	ug/l 100
5) Bromomethane	1.64	94	17944	22.348	ug/l 97
6) Chloroethane	1.72	64	21031	18.221	ug/l 97
7) Trichlorofluoromethane	1.93	101	42343	16.413	ug/l 99
8) Diethyl Ether	2.19	74	18164	17.217	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	26045	16.492	ug/l 96
10) 1,1-Dichloroethene	2.37	96	24285	16.572	ug/l 96
11) Methyl Iodide	2.51	142	33341	21.502	ug/l 95
12) Methyl Acetate	2.78	43	46767	19.658	ug/l 92
13) Acrolein	2.29	56	19926	107.793	ug/l 100
14) Acrylonitrile	3.15	53	90336	100.897	ug/l 99
15) Acetone	2.45	58	24597	104.797	ug/l 83
16) Carbon Disulfide	2.57	76	66445	15.874	ug/l 99
17) Allyl chloride	2.73	41	50361	18.068	ug/l 91
18) Methylene Chloride	2.85	84	29312	17.045	ug/l 98
19) trans-1,2-Dichloroethene	3.17	96	26648	16.863	ug/l 99
20) Diisopropyl ether	3.88	45	95147	18.892	ug/l 96
21) 1,1-Dichloroethane	3.70	63	52981	17.937	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	28671	17.065	ug/l 80
23) tert-Butyl Alcohol	3.08	59	38376	103.233	ug/l # 100
24) Methyl tert-Butyl Ether	3.21	73	87142	17.806	ug/l 92
25) Chloroform	5.22	83	49430	18.583	ug/l 99
26) Cyclohexane	5.58	56	41496	17.996	ug/l # 96
29) 1,1-Dichloropropene	5.80	75	35450	18.421	ug/l 99
30) 2-Butanone	4.71	43	118383	110.094	ug/l 96
31) 2,2-Dichloropropane	4.59	77	34897	16.790	ug/l 98
32) 1,1,1-Trichloroethane	5.50	97	40505	18.591	ug/l 99
33) Carbon Tetrachloride	5.79	117	35761	18.703	ug/l 96
34) Benzene	6.15	78	111399	19.658	ug/l 98
35) Methacrylonitrile	5.07	41	23698	20.831	ug/l 92
36) 1,2-Dichloroethane	6.20	62	39377	19.982	ug/l 97
37) Trichloroethene	7.21	130	28549	18.218	ug/l 100
38) Methylcyclohexane	7.46	83	39512	18.165	ug/l 98
39) 1,2-Dichloropropane	7.52	63	28980	19.792	ug/l 96
40) Dibromomethane	7.66	93	18855	19.608	ug/l 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072718\
 Data File : VX003714.D
 Acq On : 27 Jul 2018 13:57
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 3:42:29 PM

Quant Time: Jul 28 02:17:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 14:47:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	34805	19.370	ug/l	97
42) Vinyl Acetate	3.83	43	406918	98.503	ug/l	99
43) Ethyl Acetate	4.87	43	43448	21.272	ug/l	95
44) Isopropyl Acetate	6.47	43	64365	20.560	ug/l	95
45) 1,4-Dioxane	7.76	88	14908	446.153	ug/l #	86
46) Methyl methacrylate	7.78	41	33192	20.503	ug/l	92
47) n-amyl Acetate	10.90	43	56151	20.824	ug/l #	89
48) t-1,3-Dichloropropene	8.44	75	42148	19.273	ug/l	97
49) cis-1,3-Dichloropropene	9.05	75	37095	18.731	ug/l	93
50) 1,1,2-Trichloroethane	9.22	97	28424	19.598	ug/l	98
51) Ethyl methacrylate	9.18	69	40766	19.287	ug/l	87
52) 1,3-Dichloropropane	9.38	76	46781	19.638	ug/l	99
53) Dibromochloromethane	9.59	129	26808	18.496	ug/l	99
54) 1,2-Dibromoethane	9.68	107	29063	19.323	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	111540	111.857	ug/l	99
56) Bromoform	10.86	173	20163	18.194	ug/l	100
58) 4-Methyl-2-Pentanone	8.65	43	222502	112.282	ug/l	95
59) 2-Hexanone	9.50	43	170430	112.292	ug/l	95
61) Tetrachloroethene	9.34	164	25259	14.836	ug/l	99
62) Toluene	8.79	91	118917	19.594	ug/l	99
64) Chlorobenzene	10.14	112	75520	18.791	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.23	131	26505	18.593	ug/l	98
66) Ethyl Benzene	10.26	91	126351	18.840	ug/l	100
67) m/p-Xylenes	10.36	106	98554	37.766	ug/l	99
68) o-Xylene	10.70	106	46669	18.587	ug/l	99
69) Styrene	10.71	104	79293	18.998	ug/l	98
70) Isopropylbenzene	11.02	105	126848	19.053	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	45654	21.865	ug/l	98
72) 1,2,3-Trichloropropane	11.30	75	38974m	15.958	ug/l	
73) Bromobenzene	11.26	156	33419	18.058	ug/l	98
74) n-propylbenzene	11.37	91	149355	19.261	ug/l	100
75) 2-Chlorotoluene	11.43	91	89185	19.228	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	107430	19.069	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	12223	20.956	ug/l	97
78) 4-Chlorotoluene	11.51	91	103213	19.049	ug/l	100
79) tert-butylbenzene	12.07	119	110577	18.533	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	110656	19.330	ug/l	99
81) sec-Butylbenzene	11.95	105	124325	18.653	ug/l	99
82) p-Isopropyltoluene	12.07	119	110577	18.533	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	62567	18.247	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	63115	18.237	ug/l	99
85) n-Butylbenzene	12.39	91	94770	18.091	ug/l	99
86) Hexachloroethane	12.60	117	17347	19.751	ug/l	98
87) 1,2-Dichlorobenzene	12.40	146	62762	18.311	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.01	75	9177	21.155	ug/l	97
89) 1,2,4-Trichlorobenzene	13.65	180	42786	17.386	ug/l	100
90) Hexachlorobutadiene	13.79	225	20051	16.629	ug/l	99
91) Naphthalene	13.84	128	134170	18.905	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	45206	18.120	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072718\
Data File : VX003714.D
Acq On : 27 Jul 2018 13:57
Operator : JC/SP
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:29 PM

Quant Time: Jul 28 02:17:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 27 14:47:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

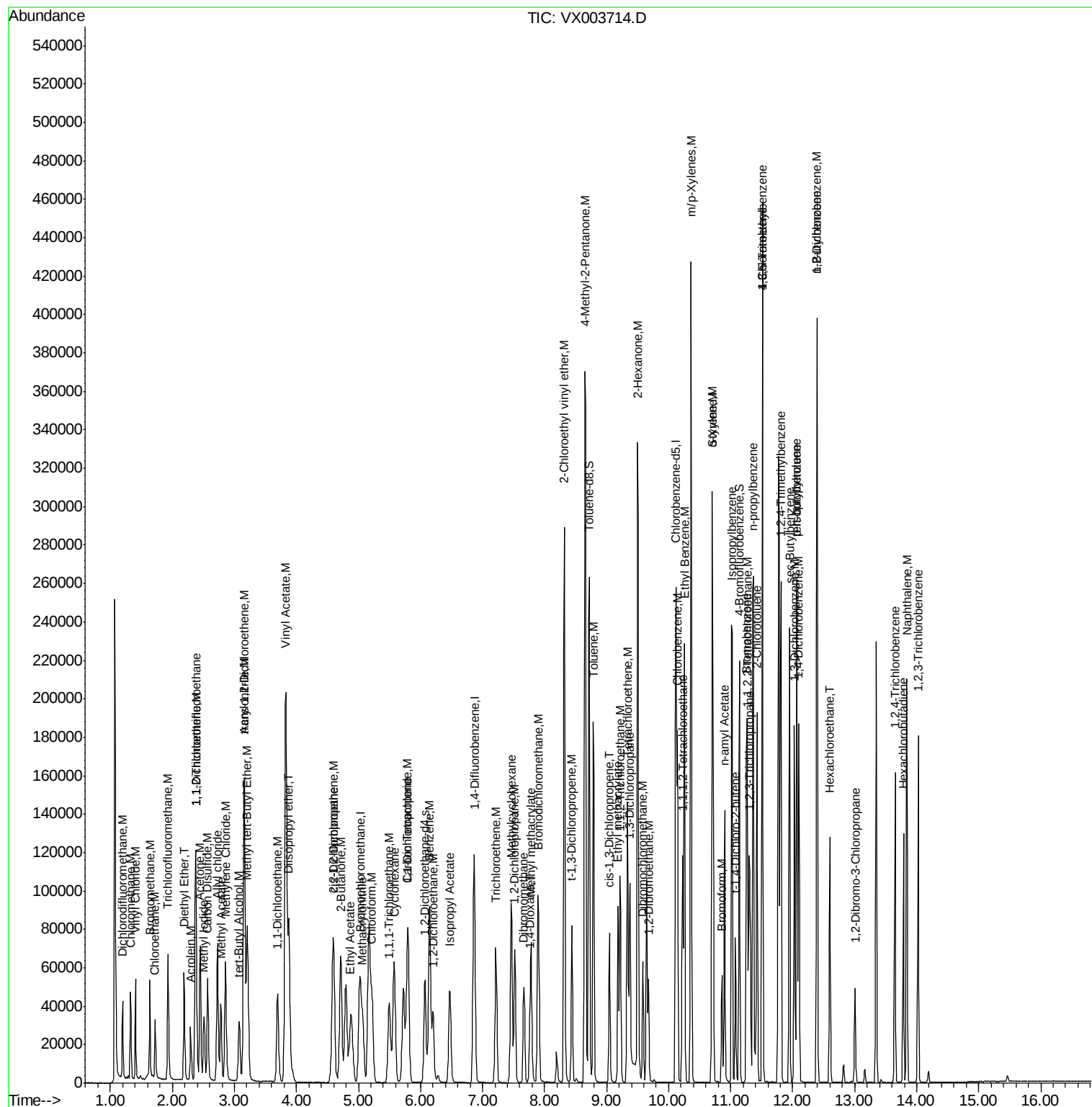
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072718\
Data File : VX003714.D
Acq On : 27 Jul 2018 13:57
Operator : JC/SP
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

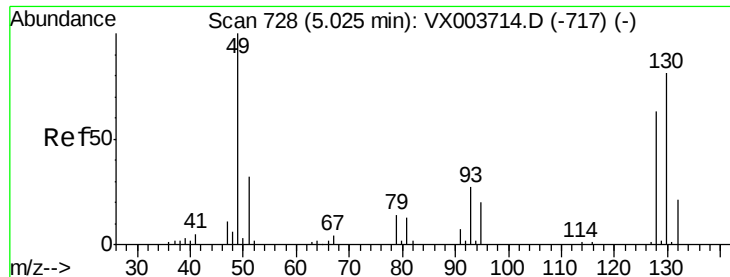
Instrument :
MSVOA_X
Client Sample Id :
VSTDICCC020

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:29 PM

Quant Time: Jul 28 02:17:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 27 14:47:33 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX003714.D

Acq: 27 Jul 2018 13:57

Instrument :

MSVOA_X

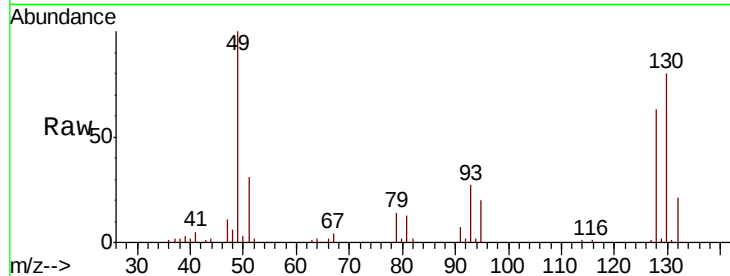
ClientSampleId :

VSTDICCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	162.2	0.0	423.0
130	127.7	0.0	324.3

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:29 PM

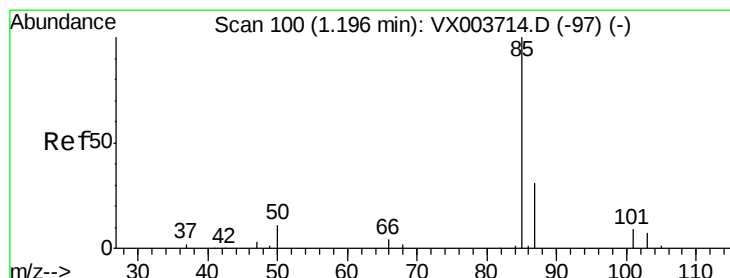
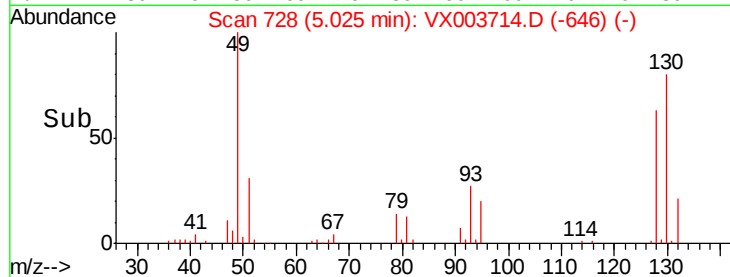
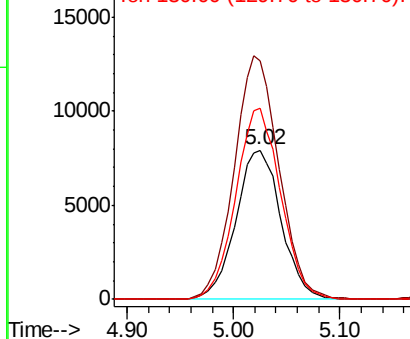


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 12.568 ug/l

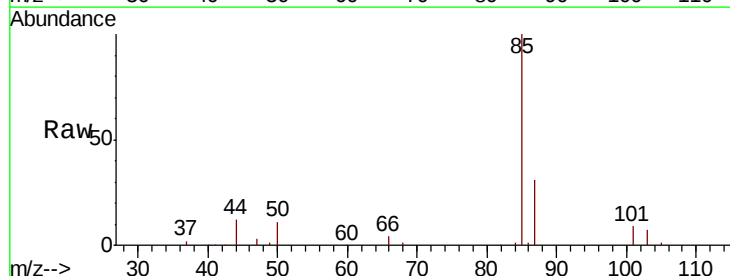
RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003714.D

Acq: 27 Jul 2018 13:57

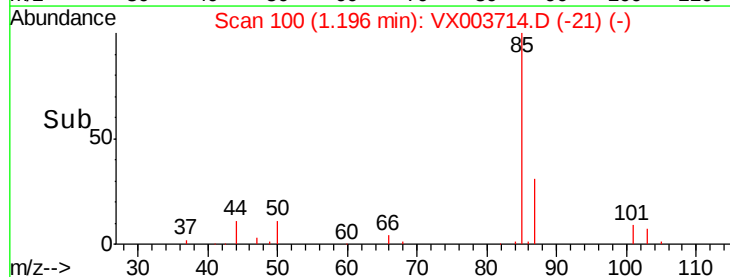
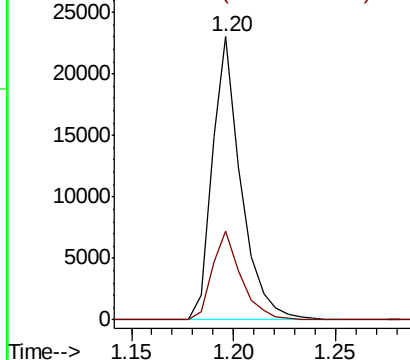
Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.5	16.2	48.5

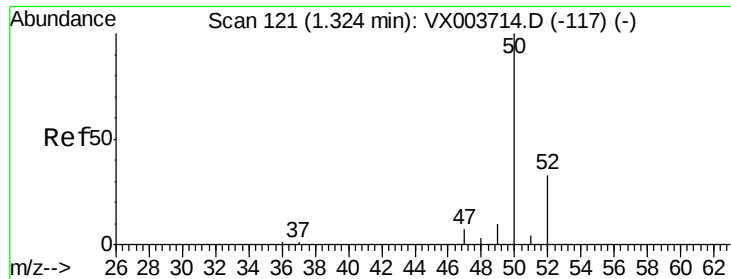


Abundance

Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 17.087 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003714.D

Acq: 27 Jul 2018 13:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 50 Resp: 30348

Ion Ratio Lower Upper

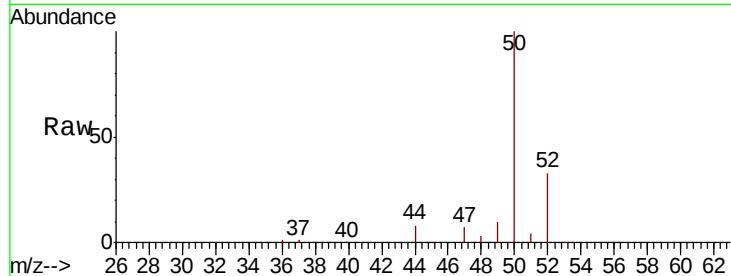
50 100

52 32.7 25.6 38.4

Manual Integrations
APPROVED

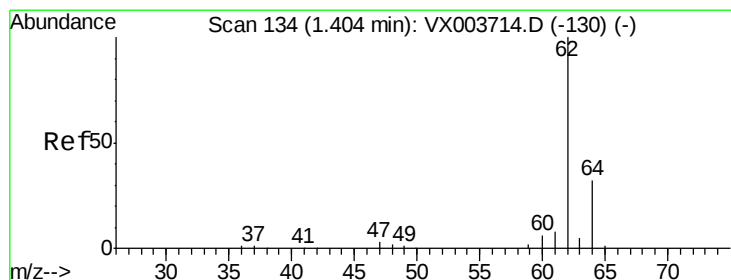
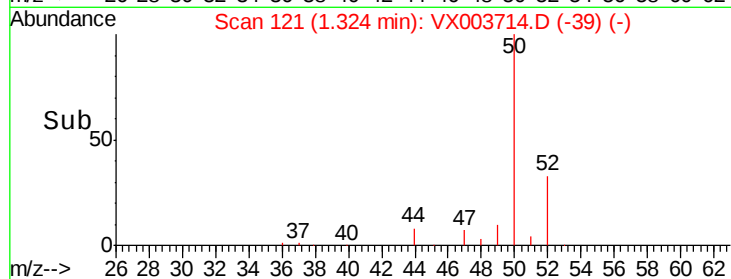
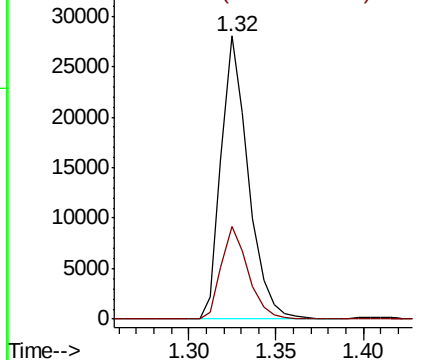
MMDadoda

7/30/2018 3:42:29 PM



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 16.486 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003714.D

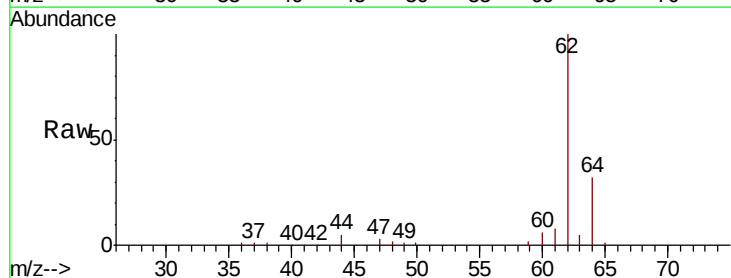
Acq: 27 Jul 2018 13:57

Tgt Ion: 62 Resp: 31925

Ion Ratio Lower Upper

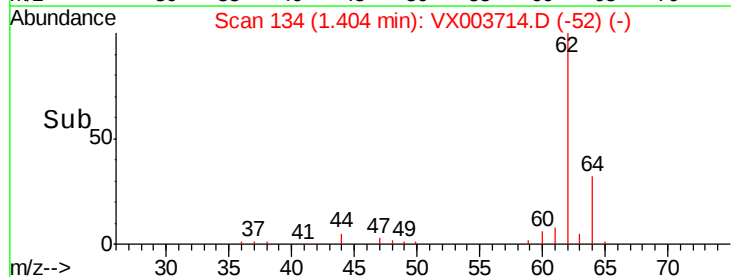
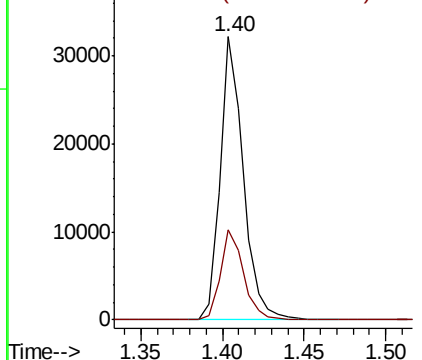
62 100

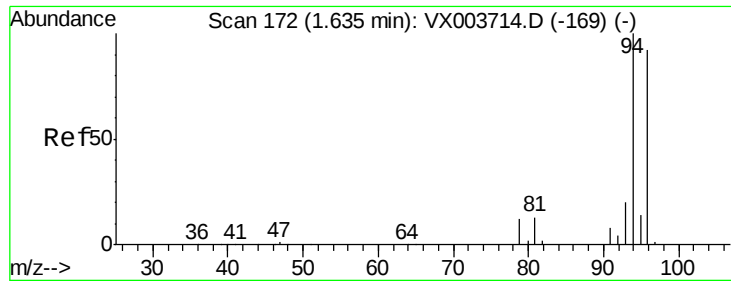
64 31.6 25.3 37.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 22.348 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003714.D

Acq: 27 Jul 2018 13:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 94 Resp: 17944

Ion Ratio Lower Upper

94 100

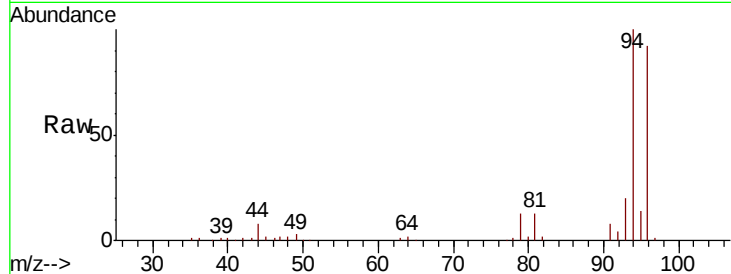
96 91.9 75.7 113.5

Manual Integrations

APPROVED

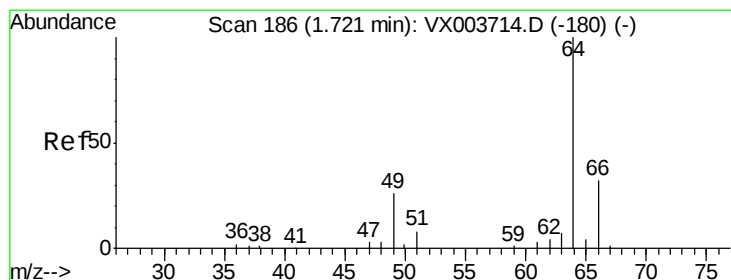
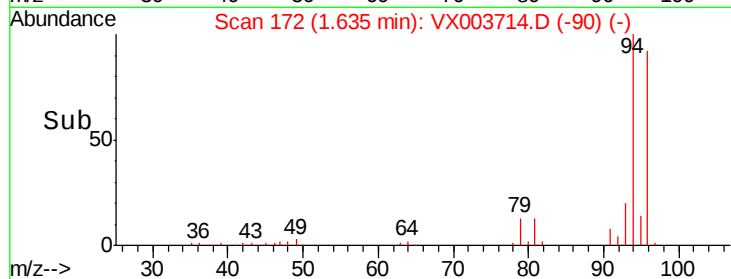
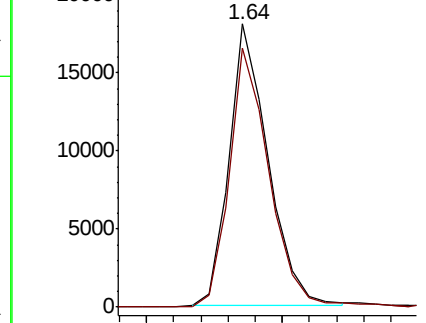
MMDadoda

7/30/2018 3:42:29 PM



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 18.221 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX003714.D

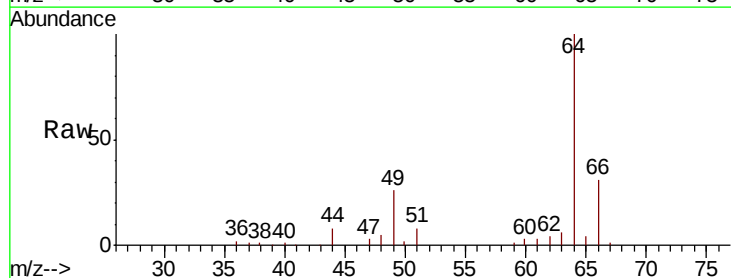
Acq: 27 Jul 2018 13:57

Tgt Ion: 64 Resp: 21031

Ion Ratio Lower Upper

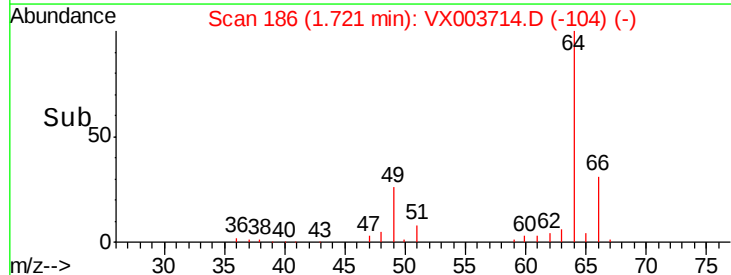
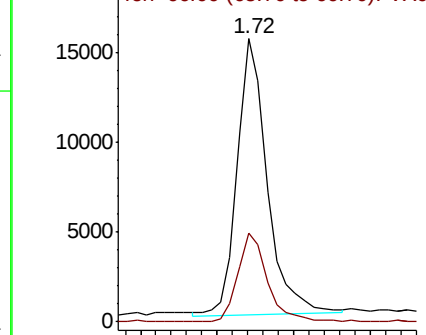
64 100

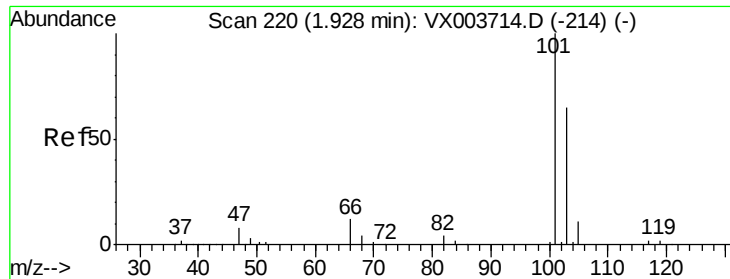
66 32.3 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

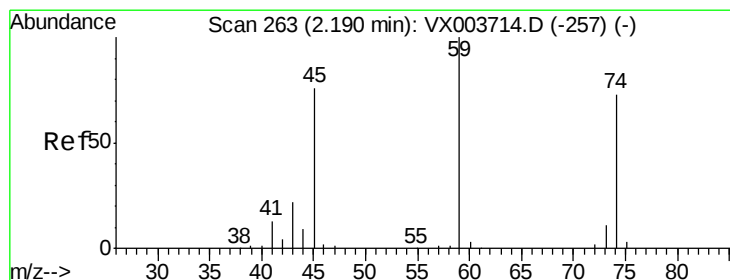
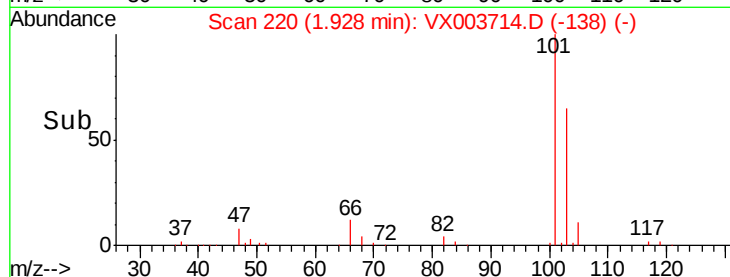
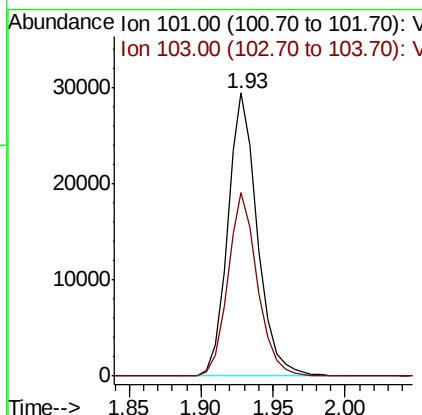
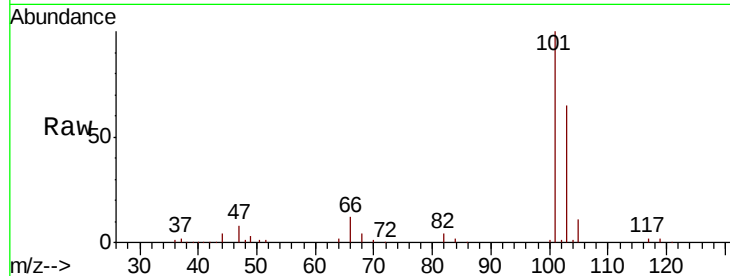
Trichlorofluoromethane
 Concen: 16.413 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VX003714.D
 Acq: 27 Jul 2018 13:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		42343		
103	64.9	51.5	77.3		

Manual Integrations
 APPROVED

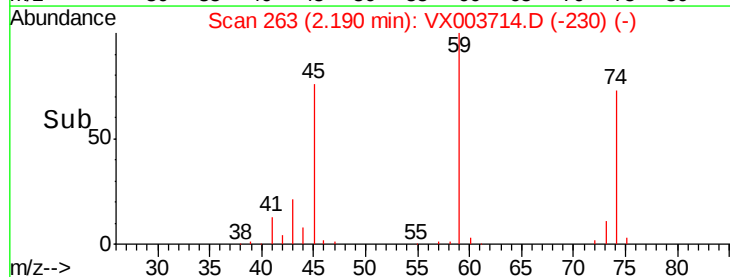
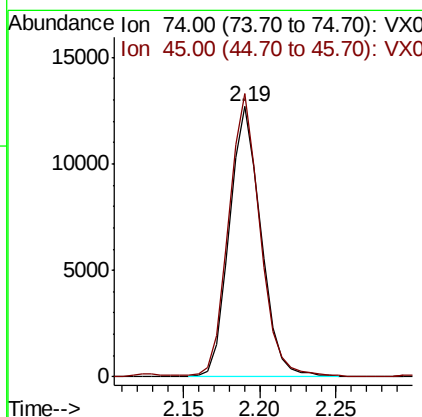
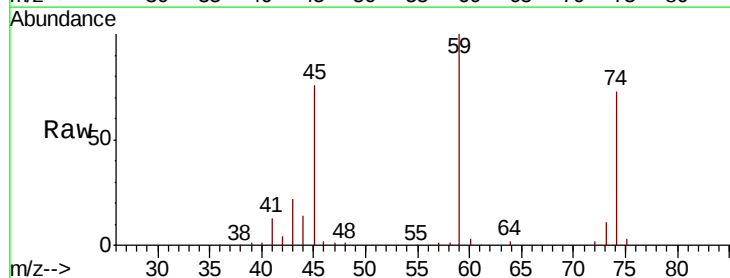
MMDadoda
 7/30/2018 3:42:29 PM

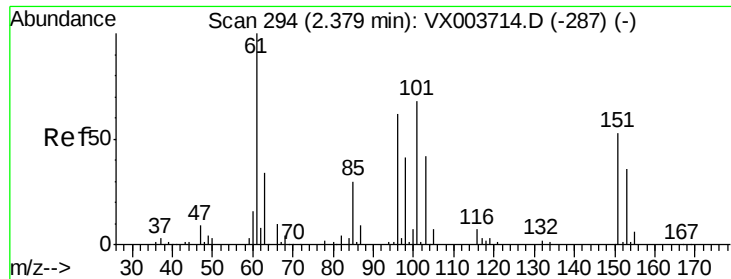


#8

Diethyl Ether
 Concen: 17.217 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003714.D
 Acq: 27 Jul 2018 13:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		18164		
45	104.3	20.5	184.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.492 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003714.D

Acq: 27 Jul 2018 13:57

Instrument :

MSVOA_X

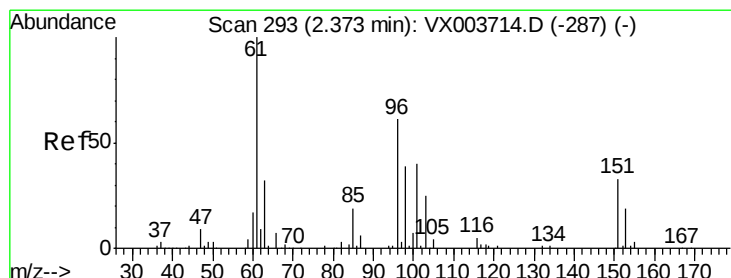
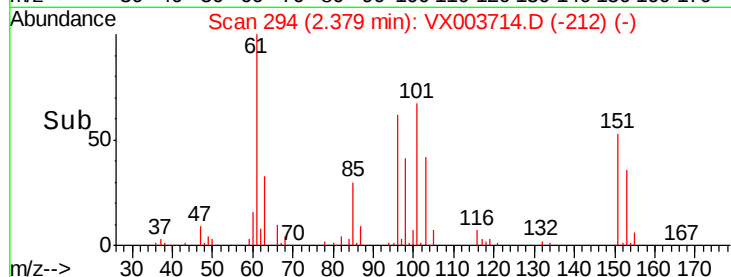
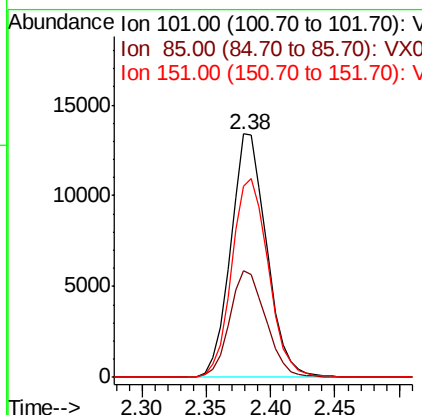
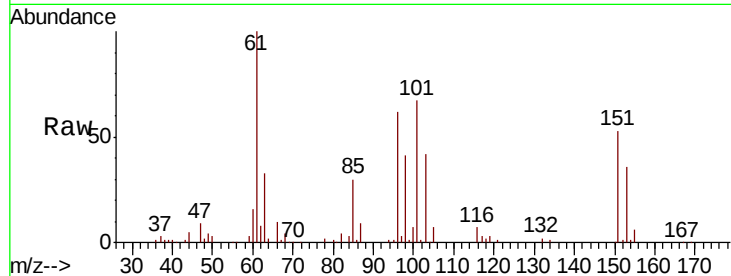
ClientSampleId :

VSTDICCC020

Tot Ion:	101	Resp:	26045
Ion Ratio	Lower	Upper	
101	100		
85	44.1	0.0	87.0
151	83.1	0.0	177.6

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:29 PM



#10

1,1-Dichloroethene

Concen: 16.572 ug/l

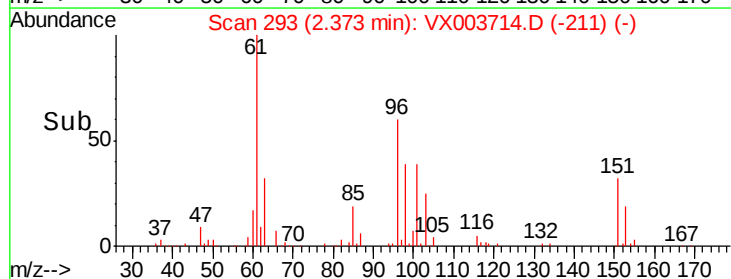
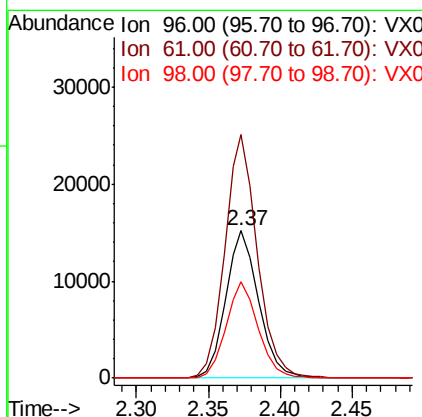
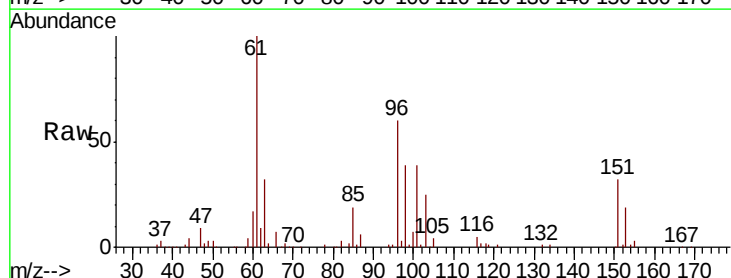
RT: 2.37 min Scan# 293

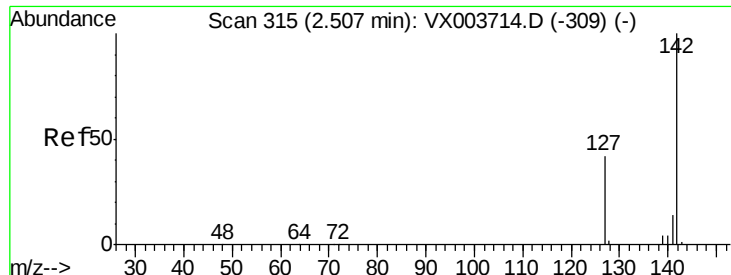
Delta R.T. 0.00 min

Lab File: VX003714.D

Acq: 27 Jul 2018 13:57

Tgt Ion:	96	Resp:	24285
Ion Ratio	Lower	Upper	
96	100		
61	165.4	137.5	206.3
98	65.1	51.4	77.2





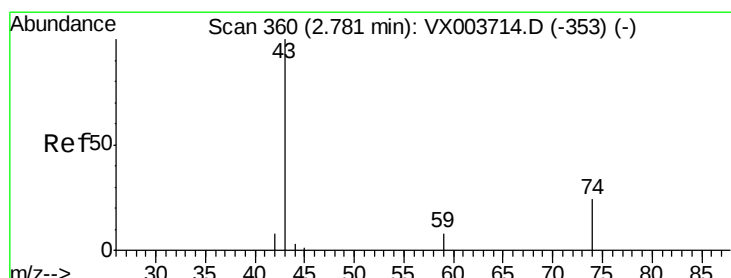
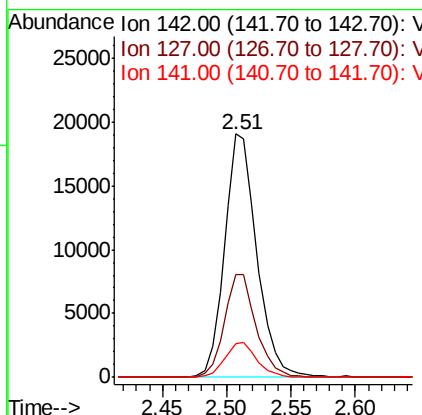
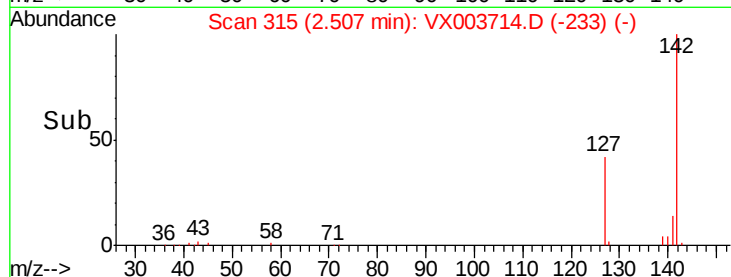
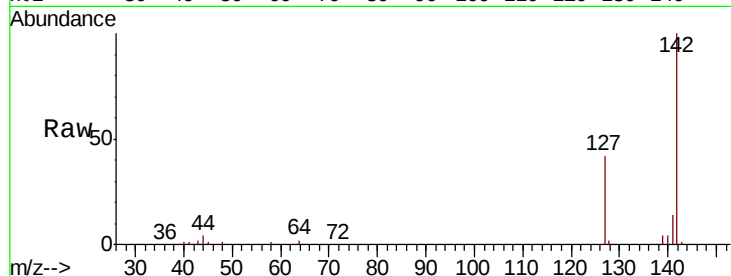
#11
Methvl Iodide
Concen: 21.502 ug/l
RT: 2.51 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.1	23.2	69.6
141	13.8	7.4	22.2

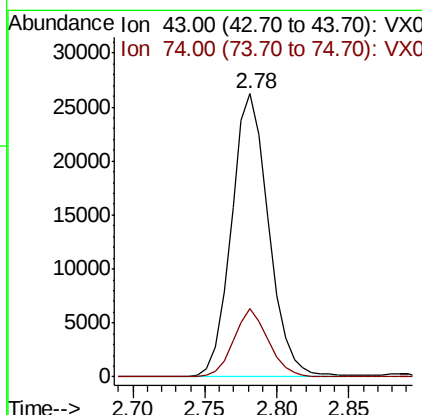
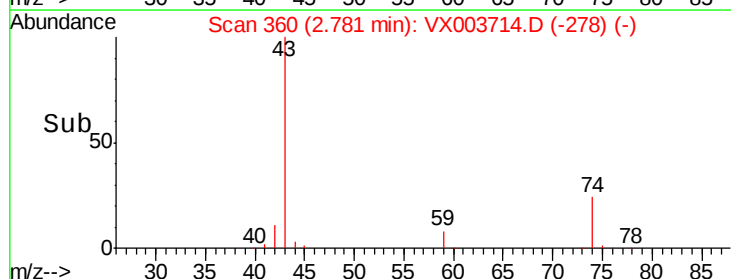
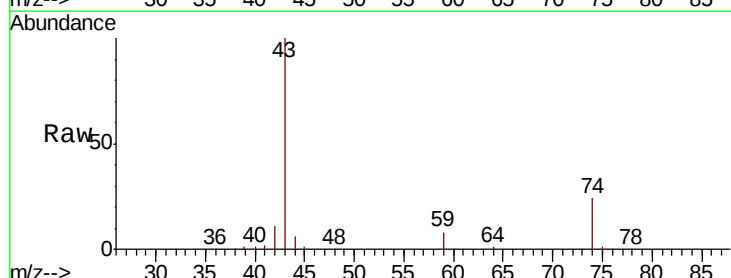
Manual Integrations
APPROVED

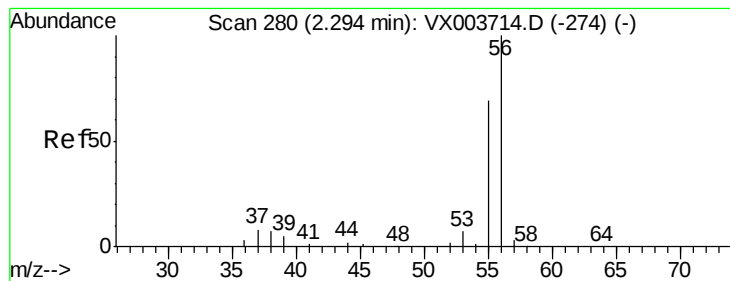
MMDadoda
7/30/2018 3:42:29 PM



#12
Methyl Acetate
Concen: 19.658 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	16.4	24.6





#13

Acrolein

Concen: 107.793 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003714.D

Acq: 27 Jul 2018 13:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 56 Resp: 19926

Ion Ratio Lower Upper

56 100

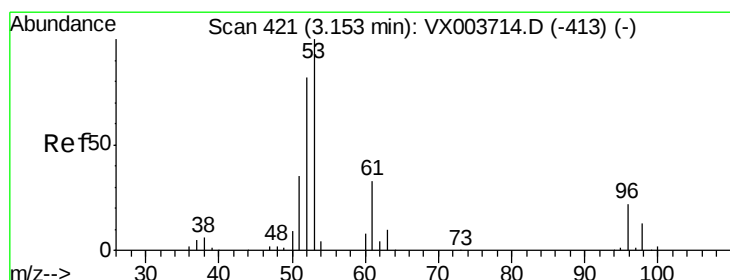
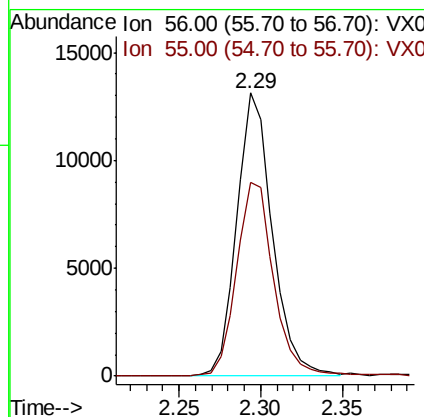
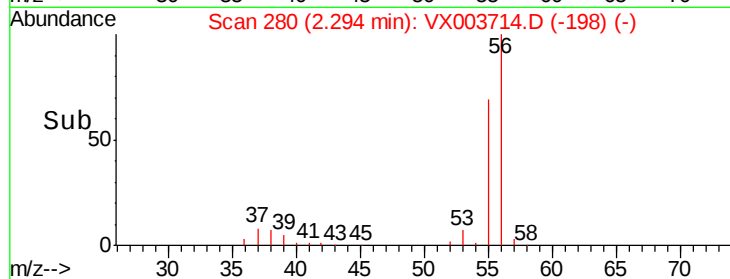
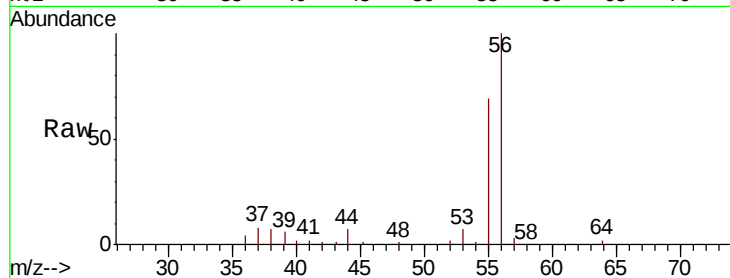
55 71.5 57.3 85.9

Manual Integrations

APPROVED

MMDadoda

7/30/2018 3:42:29 PM



#14

Acrylonitrile

Concen: 100.897 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003714.D

Acq: 27 Jul 2018 13:57

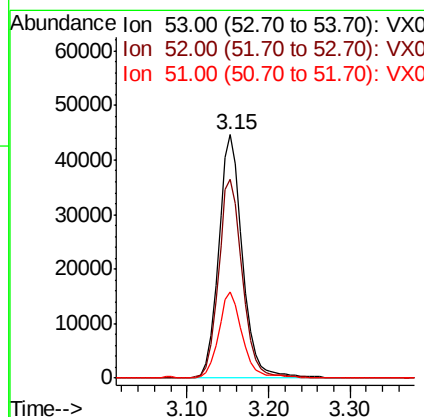
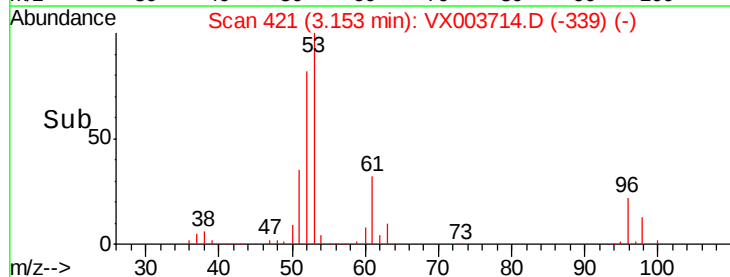
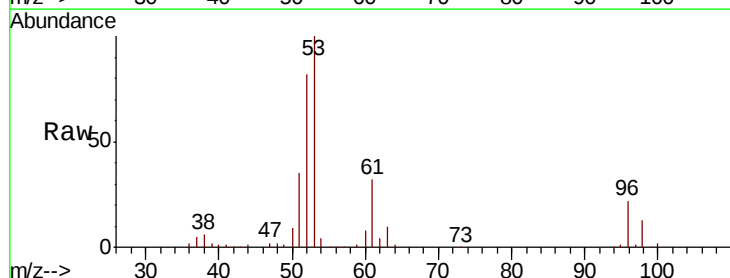
Tgt Ion: 53 Resp: 90336

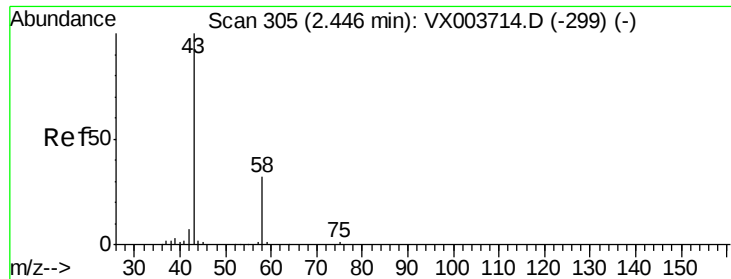
Ion Ratio Lower Upper

53 100

52 81.8 41.5 124.6

51 35.8 17.9 53.8





#15

Acetone

Concen: 104.797 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003714.D

Acq: 27 Jul 2018 13:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 58 Resp: 24597

Ion Ratio Lower Upper

58 100

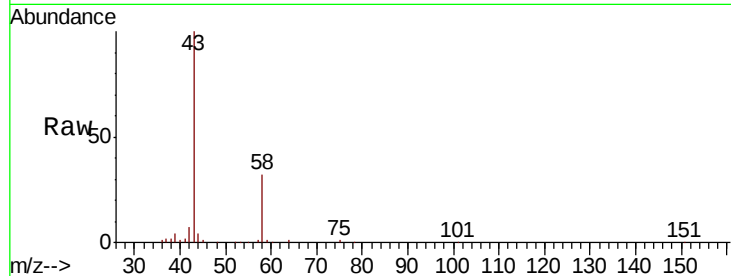
43 311.7 278.8 418.2

Manual Integrations

APPROVED

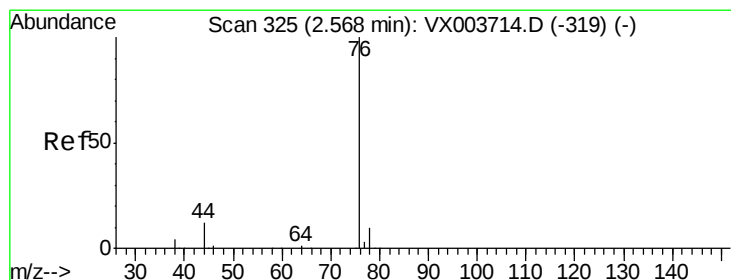
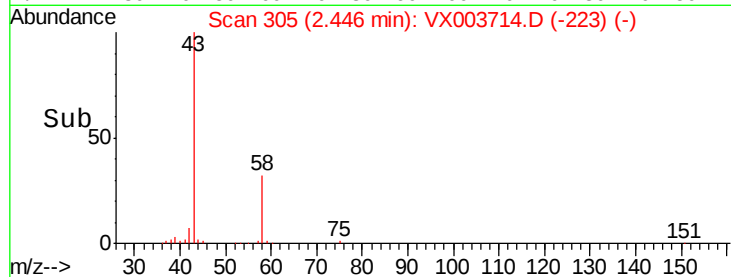
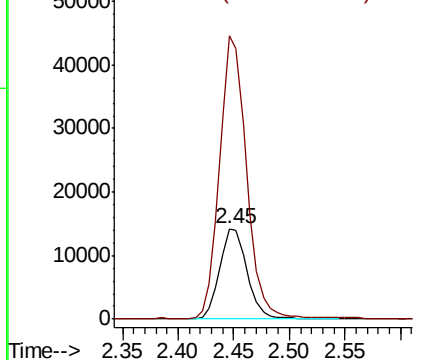
MMDadoda

7/30/2018 3:42:29 PM



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 15.874 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003714.D

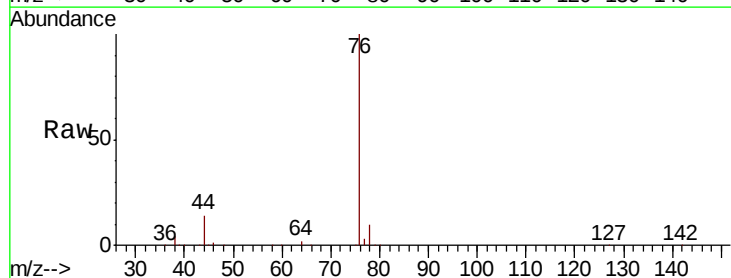
Acq: 27 Jul 2018 13:57

Tgt Ion: 76 Resp: 66445

Ion Ratio Lower Upper

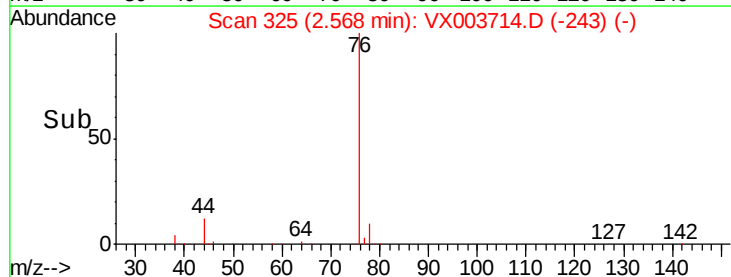
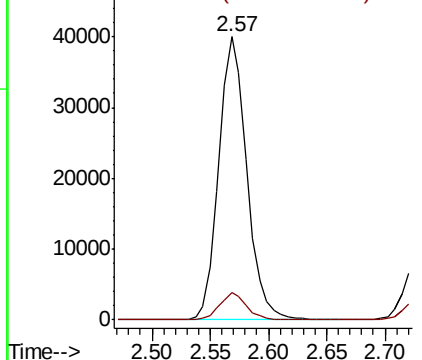
76 100

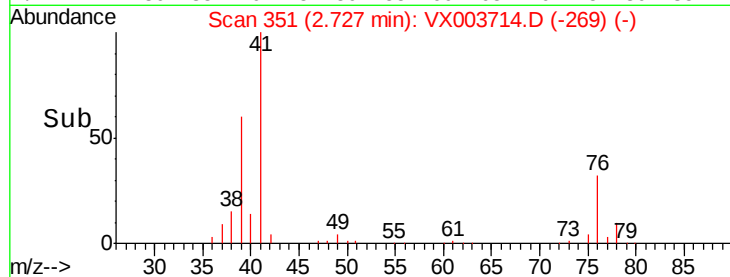
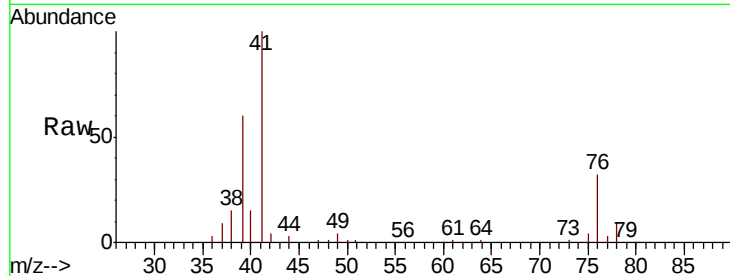
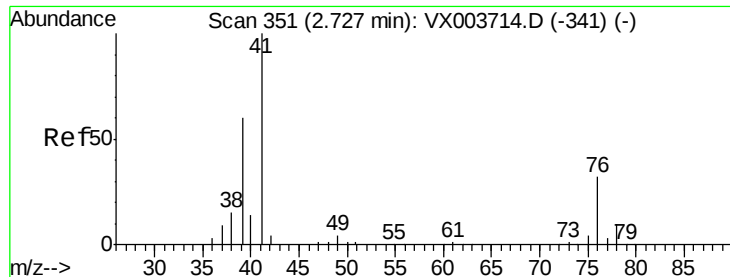
78 9.7 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





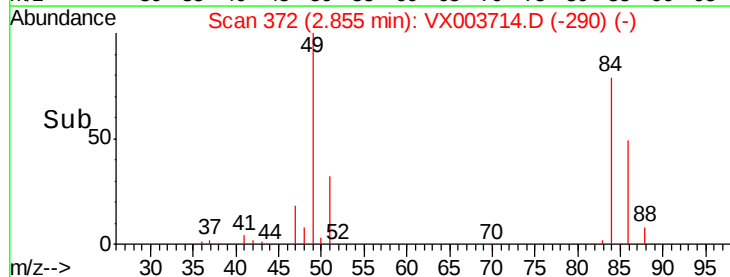
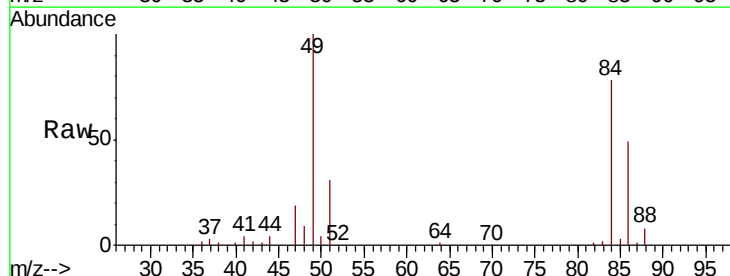
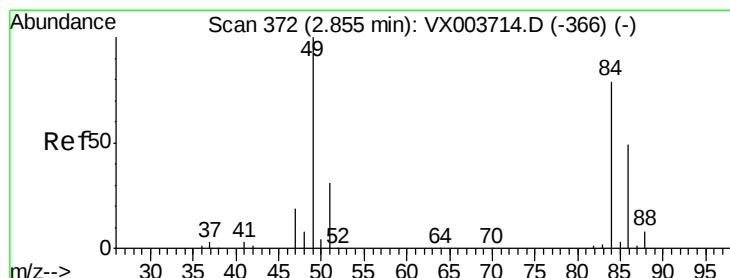
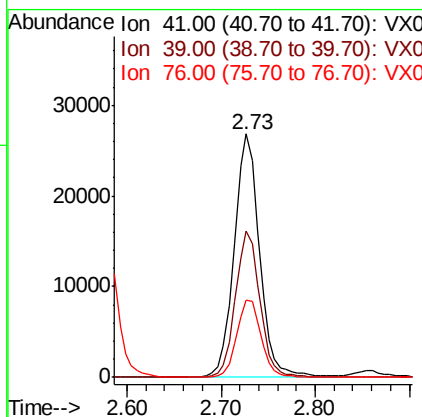
#17
Allvl chloride
Concen: 18.068 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Tot Ion:	41	Resp:	50361
Ion Ratio	Lower	Upper	
41	100		
39	60.2	34.6	103.8
76	31.6	15.0	45.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

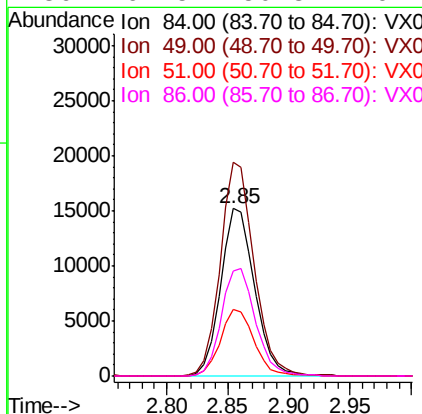
Manual Integrations
APPROVED

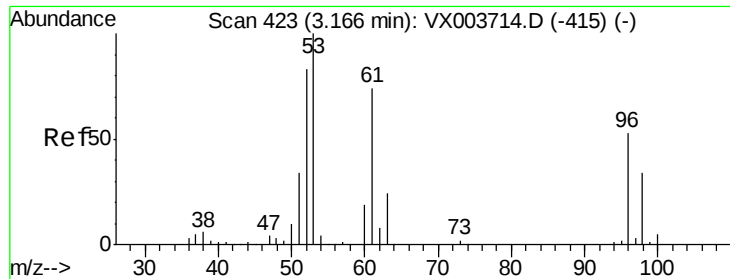
MMDadoda
7/30/2018 3:42:29 PM



#18
Methylene Chloride
Concen: 17.045 ug/l
RT: 2.85 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Tgt Ion:	84	Resp:	29312
Ion Ratio	Lower	Upper	
84	100		
49	127.8	104.7	157.1
51	39.9	31.0	46.4
86	62.5	50.8	76.2





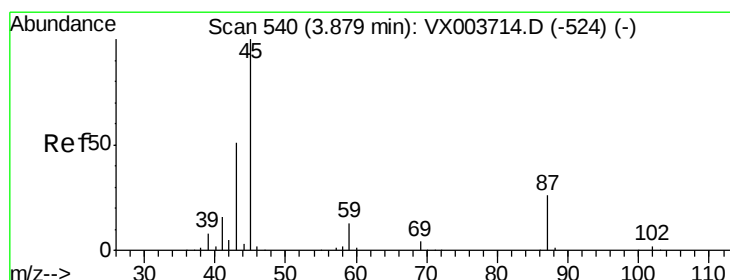
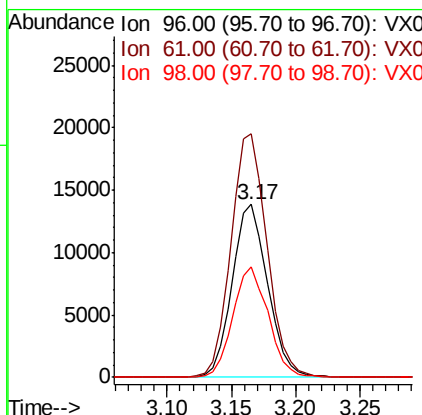
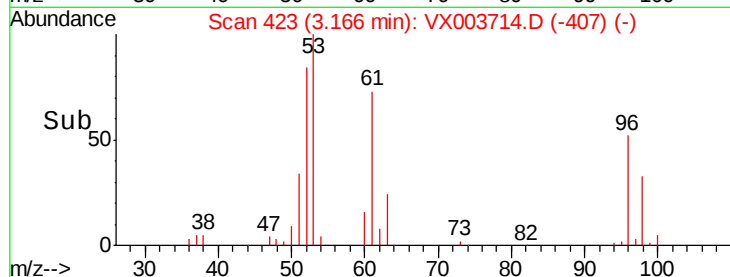
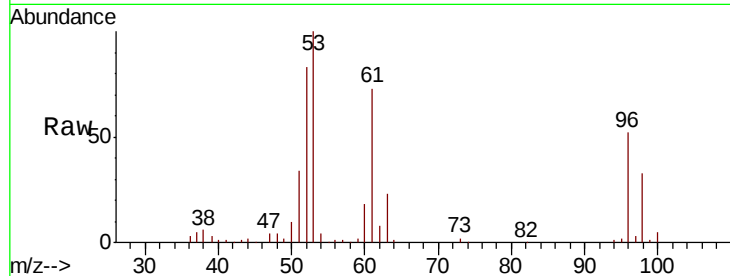
#19
trans-1,2-Dichloroethene
Concen: 16.863 ug/l
RT: 3.17 min Scan# 423
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.8	114.6	172.0
98	64.0	51.3	76.9

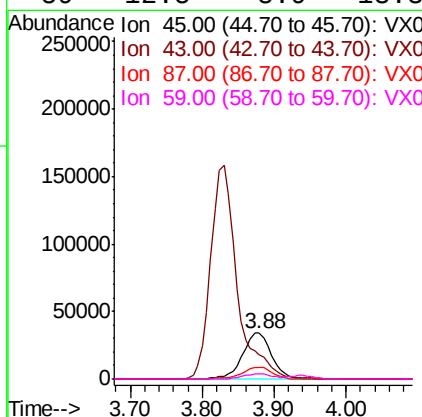
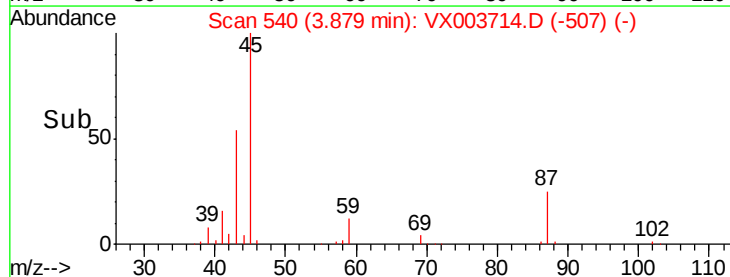
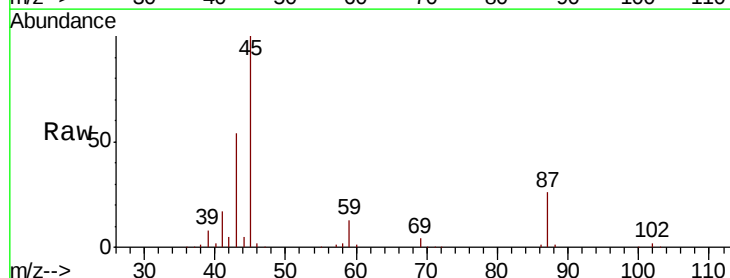
Manual Integrations
APPROVED

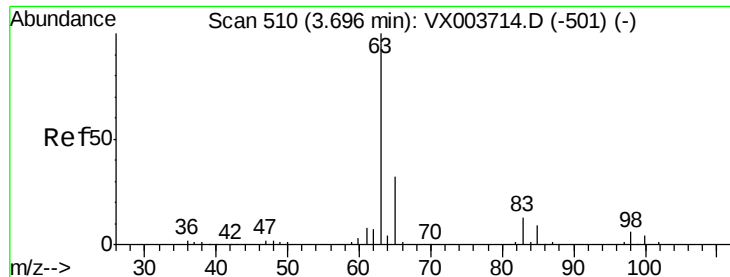
MMDadoda
7/30/2018 3:42:29 PM



#20
Diisopropyl ether
Concen: 18.892 ug/l
RT: 3.88 min Scan# 540
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.4	45.6	68.4
87	25.5	20.7	31.1
59	12.5	8.9	13.3





#21

1,1-Dichloroethane

Concen: 17.937 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003714.D

Acq: 27 Jul 2018 13:57

Instrument :

MSVOA_X

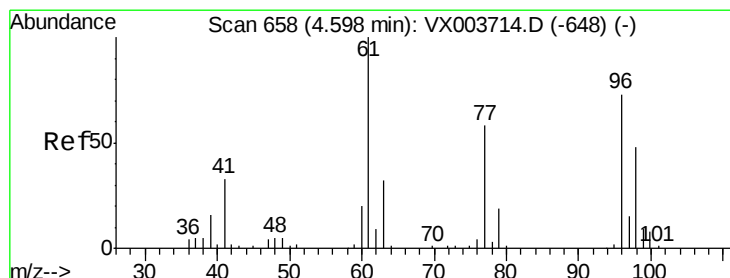
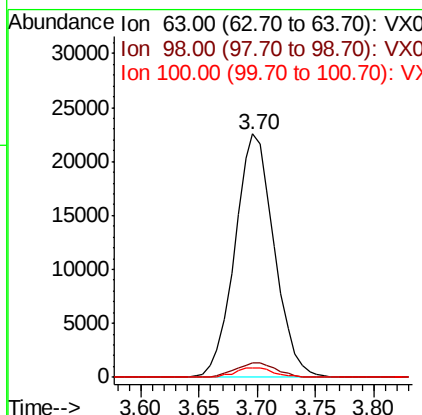
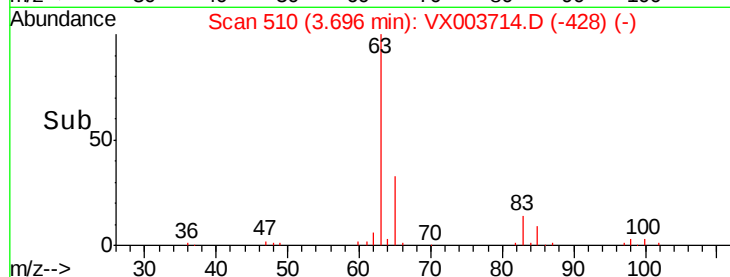
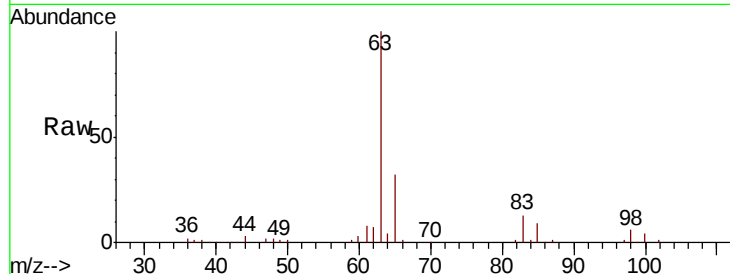
ClientSampleId :

VSTDICCC020

Tot Ion:	63	Resp:	52981
Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.1	9.3
100	3.7	2.2	6.6

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:29 PM



#22

cis-1,2-Dichloroethene

Concen: 17.065 ug/l

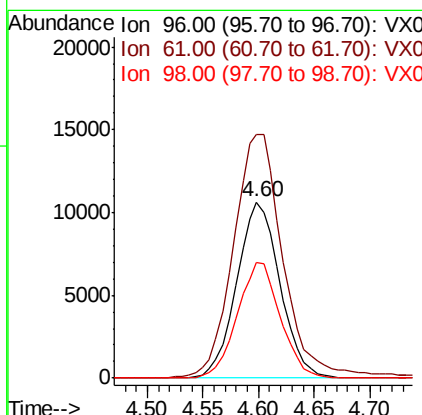
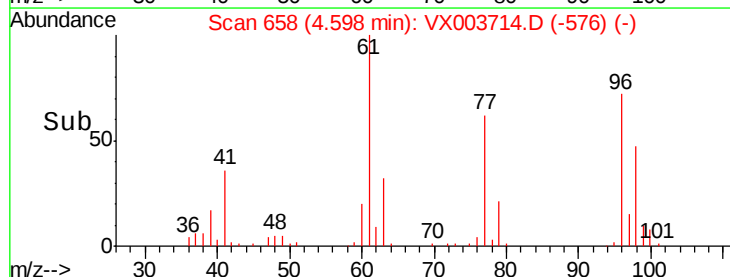
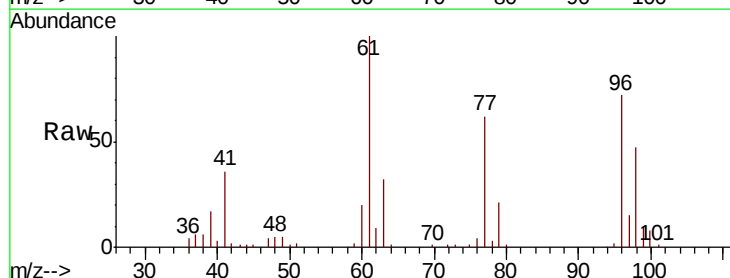
RT: 4.60 min Scan# 658

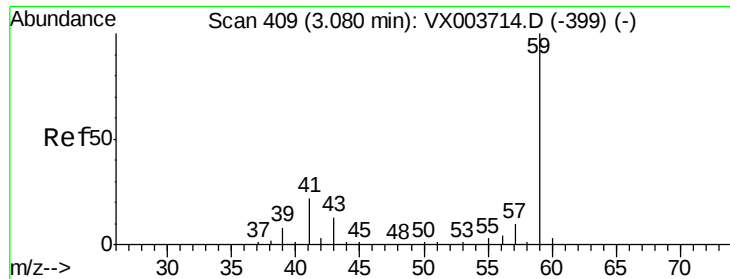
Delta R.T. 0.00 min

Lab File: VX003714.D

Acq: 27 Jul 2018 13:57

Tgt Ion:	96	Resp:	28671
Ion	Ratio	Lower	Upper
96	100		
61	160.7	160.2	240.2
98	65.2	54.1	81.1





#23

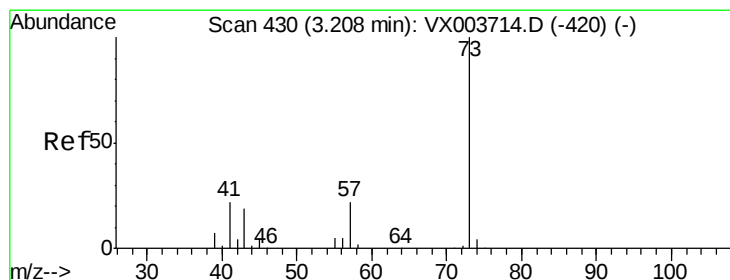
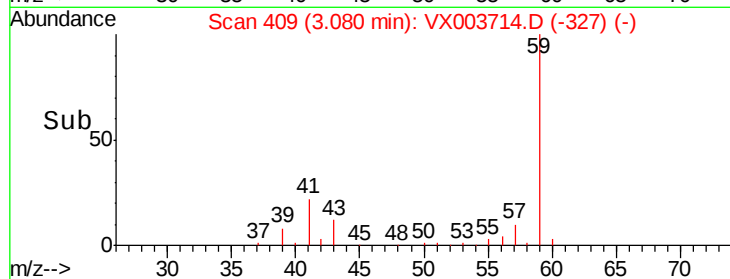
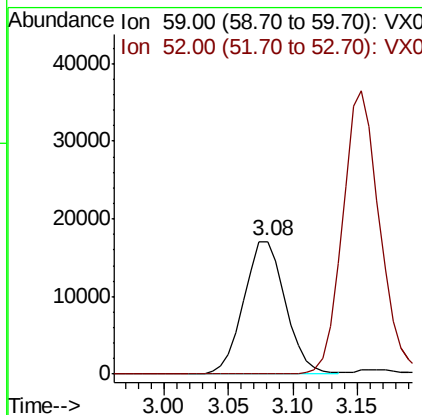
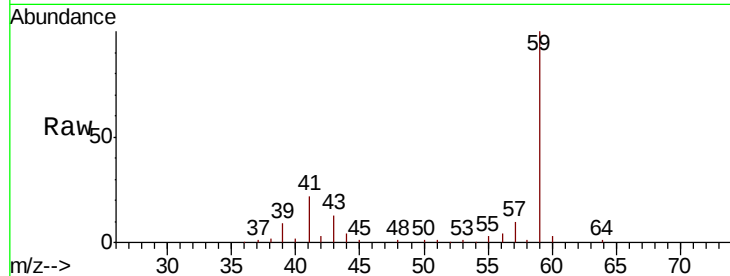
tert-Butyl Alcohol
Concen: 103.233 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.2	0.2#

Manual Integrations
APPROVED

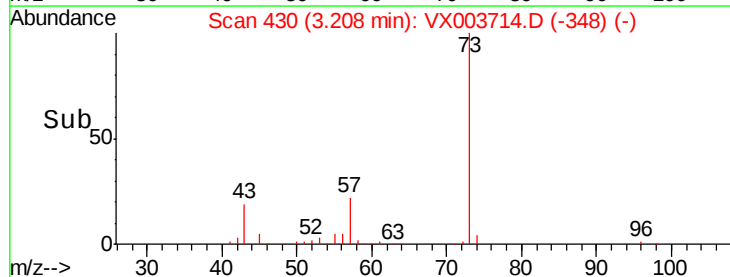
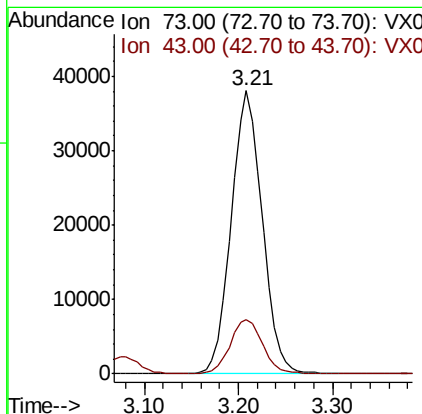
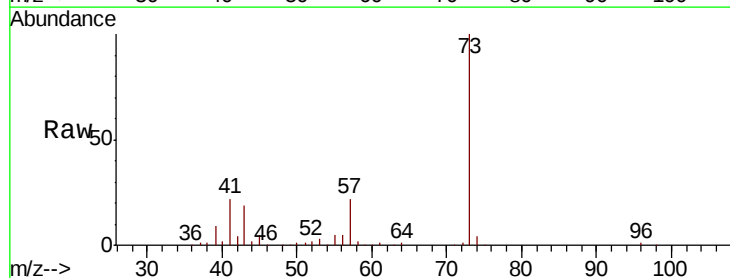
MMDadoda
7/30/2018 3:42:29 PM

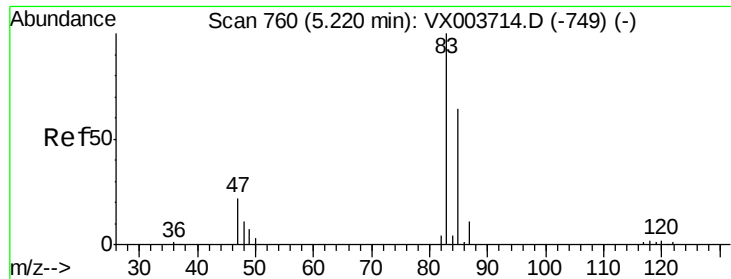


#24

Methyl tert-Butyl Ether
Concen: 17.806 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.7	19.0	28.4





#25

Chloroform

Concen: 18.583 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX003714.D

Acq: 27 Jul 2018 13:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 83 Resp: 49430

Ion Ratio Lower Upper

83 100

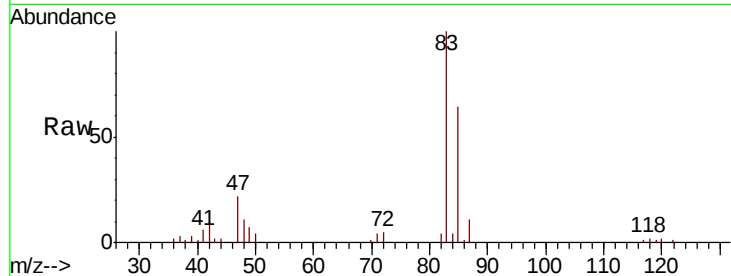
85 64.4 51.9 77.9

Manual Integrations

APPROVED

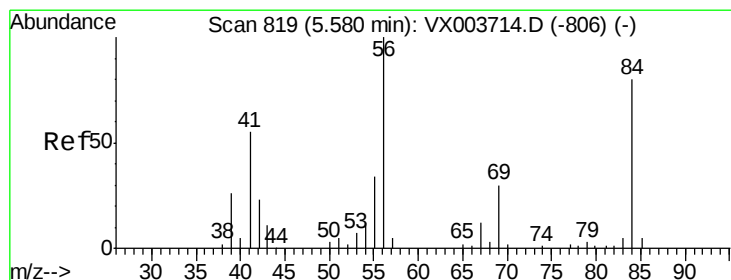
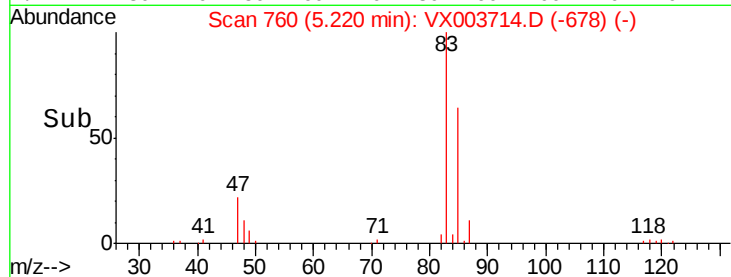
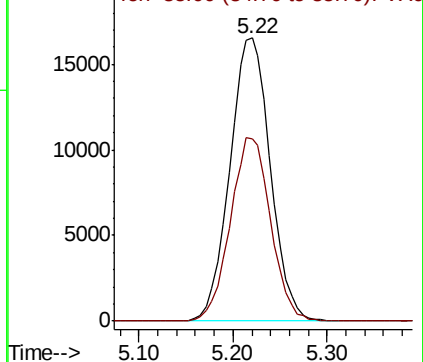
MMDadoda

7/30/2018 3:42:29 PM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 17.996 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX003714.D

Acq: 27 Jul 2018 13:57

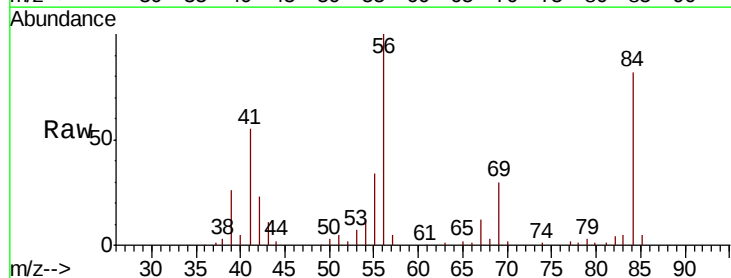
Tgt Ion: 56 Resp: 41496

Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

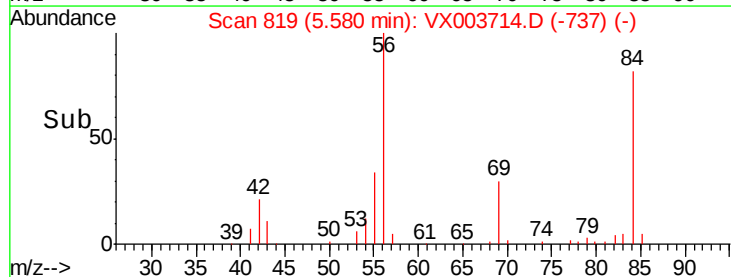
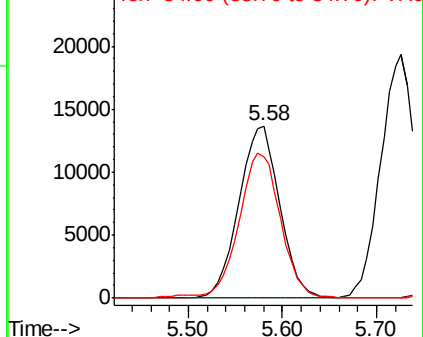
84 84.7 64.9 97.3

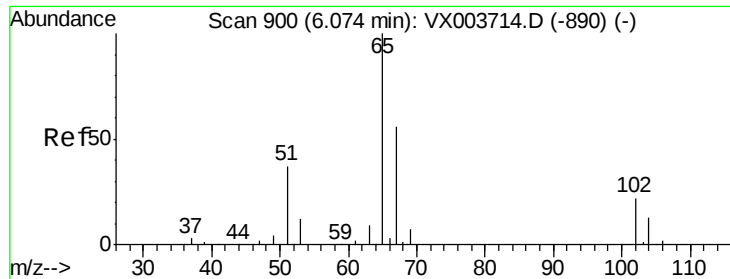


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





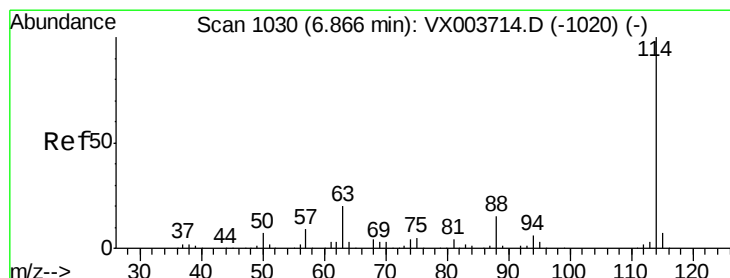
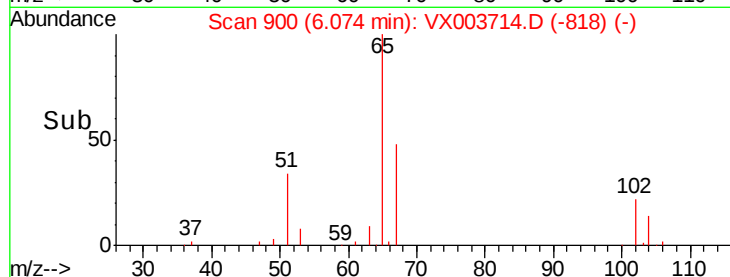
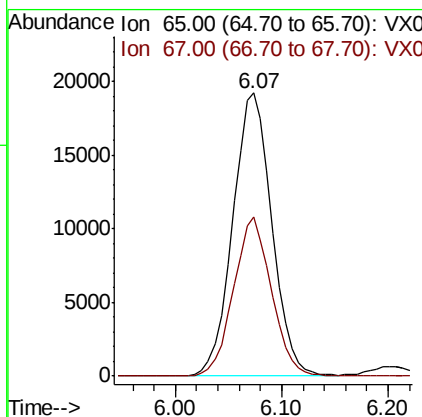
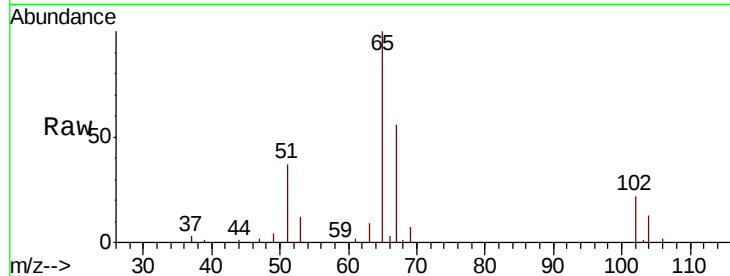
#27
 1,2-Dichloroethane-d4
 Concen: 30.732 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003714.D
 Acq: 27 Jul 2018 13:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion: 65 Resp: 49446
 Ion Ratio Lower Upper
 65 100
 67 54.3 40.9 61.3

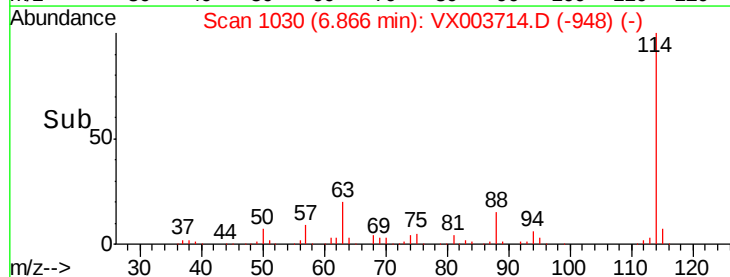
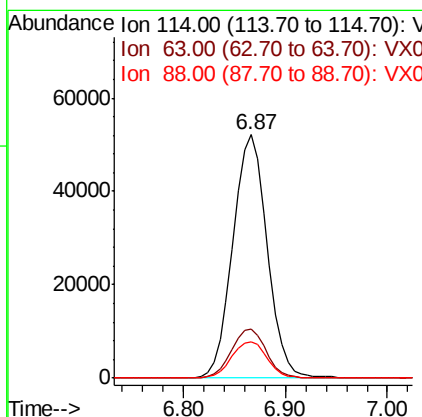
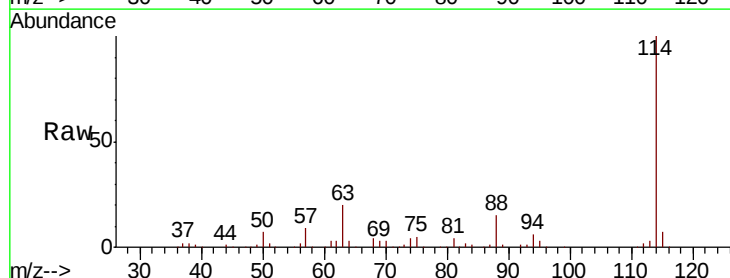
Manual Integrations
 APPROVED

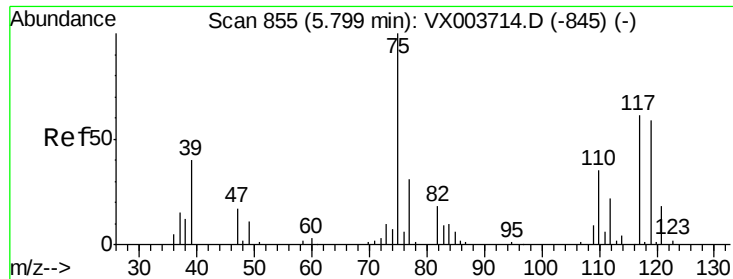
MMDadoda
 7/30/2018 3:42:29 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003714.D
 Acq: 27 Jul 2018 13:57

Tgt Ion: 114 Resp: 122052
 Ion Ratio Lower Upper
 114 100
 63 20.4 17.1 25.7
 88 15.4 12.6 19.0





#29

1,1-Dichloropropene

Concen: 18.421 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003714.D

Acq: 27 Jul 2018 13:57

Instrument :

MSVOA_X

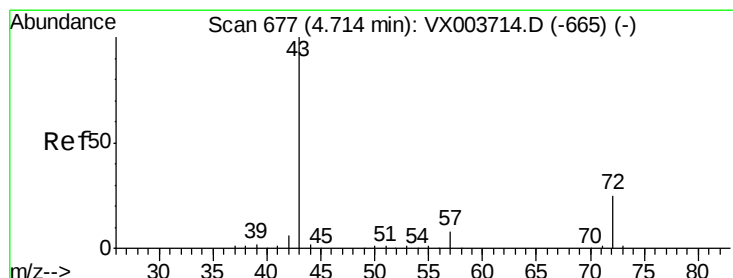
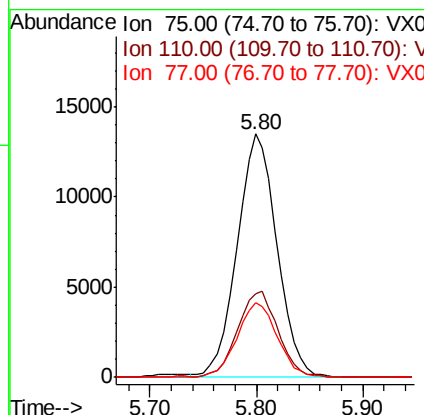
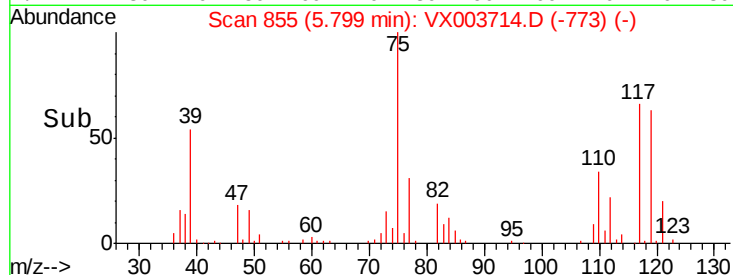
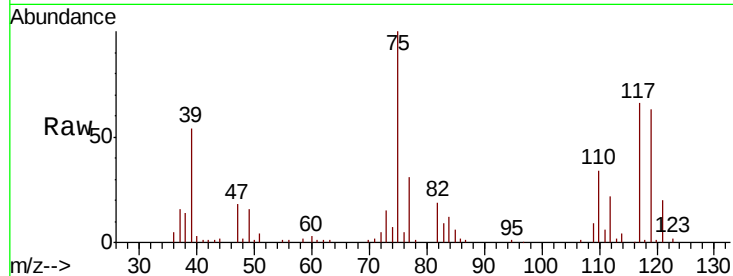
ClientSampleId :

VSTDICCC020

Tot Ion:	75	Resp:	35450
Ion Ratio	Lower	Upper	
75	100		
110	35.8	0.0	71.4
77	31.0	0.0	60.6

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:29 PM



#30

2-Butanone

Concen: 110.094 ug/l

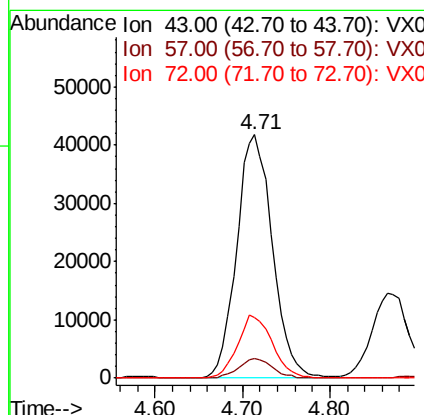
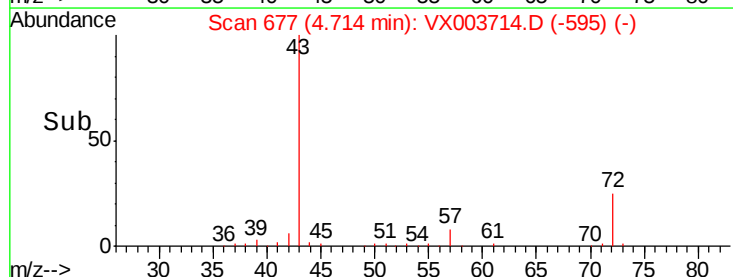
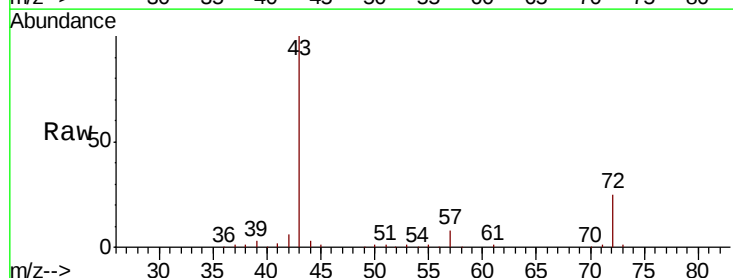
RT: 4.71 min Scan# 677

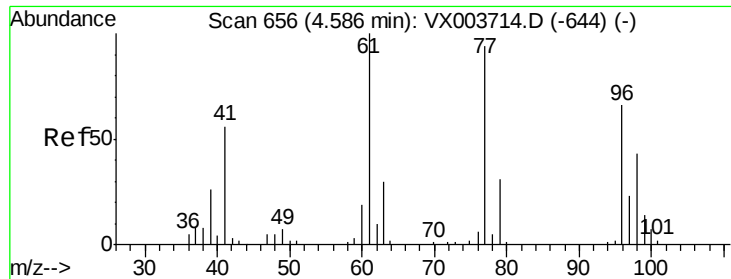
Delta R.T. 0.00 min

Lab File: VX003714.D

Acq: 27 Jul 2018 13:57

Tgt Ion:	43	Resp:	118383
Ion Ratio	Lower	Upper	
43	100		
57	7.8	6.1	9.1
72	25.2	18.1	27.1





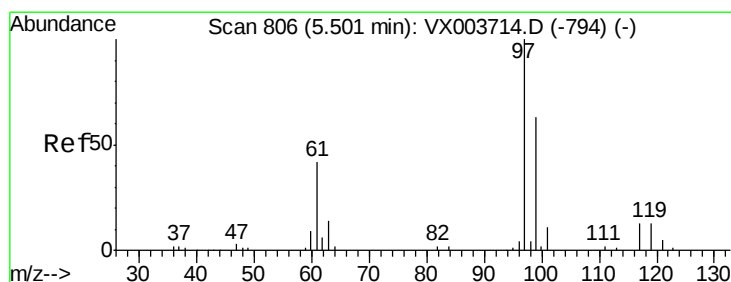
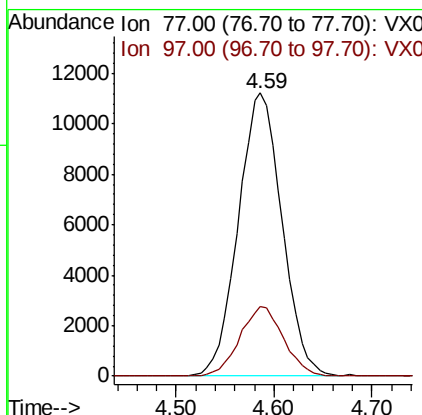
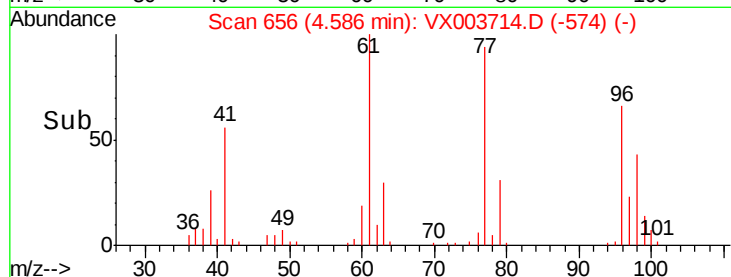
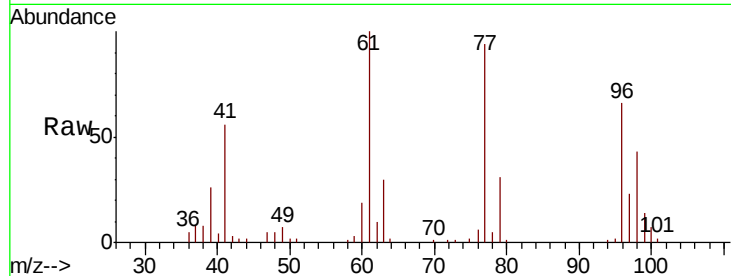
#31
 2,2-Dichloropropane
 Concen: 16.790 ug/l
 RT: 4.59 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: VX003714.D
 Acq: 27 Jul 2018 13:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion: 77 Resp: 34897
 Ion Ratio Lower Upper
 77 100
 97 24.4 18.7 28.1

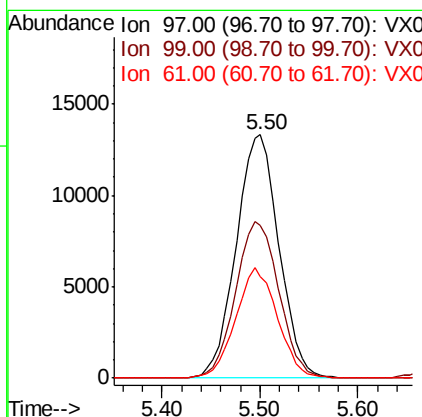
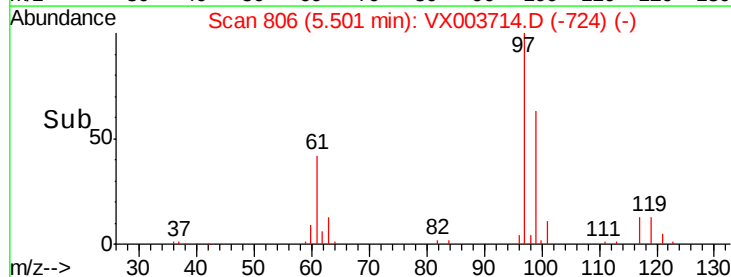
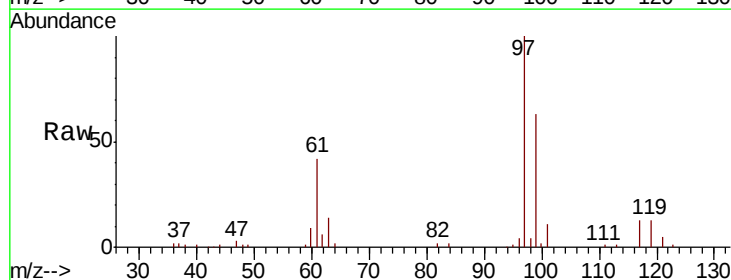
Manual Integrations
 APPROVED

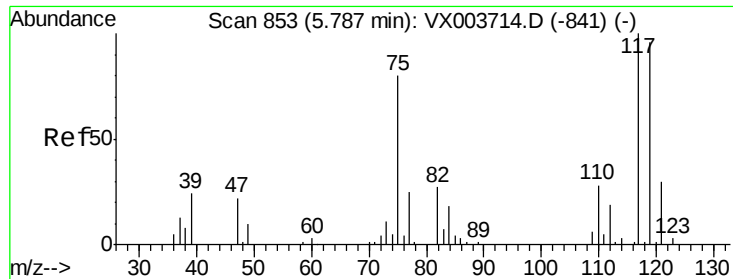
MMDadoda
 7/30/2018 3:42:29 PM



#32
 1,1,1-Trichloroethane
 Concen: 18.591 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX003714.D
 Acq: 27 Jul 2018 13:57

Tgt Ion: 97 Resp: 40505
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.7 77.5
 61 44.2 36.4 54.6





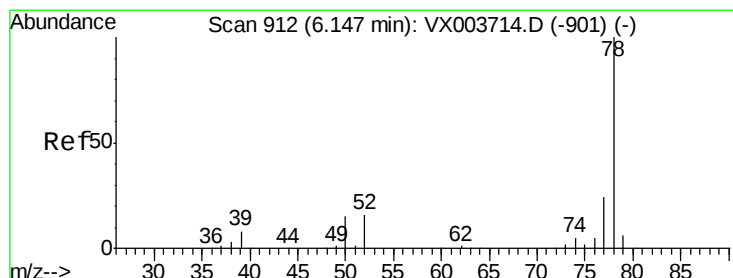
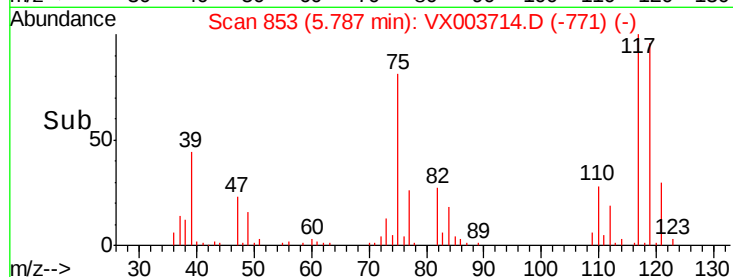
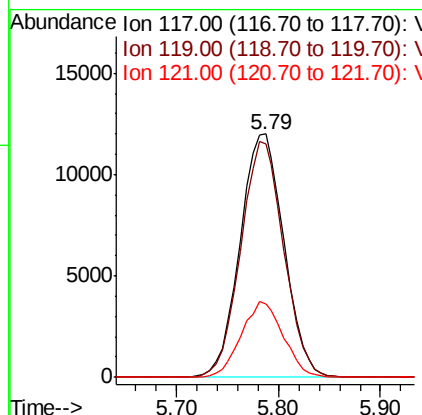
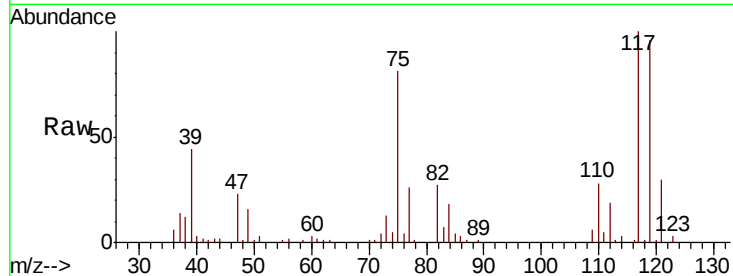
#33
Carbon Tetrachloride
Concen: 18.703 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.7	73.3	109.9
121	30.4	23.6	35.4

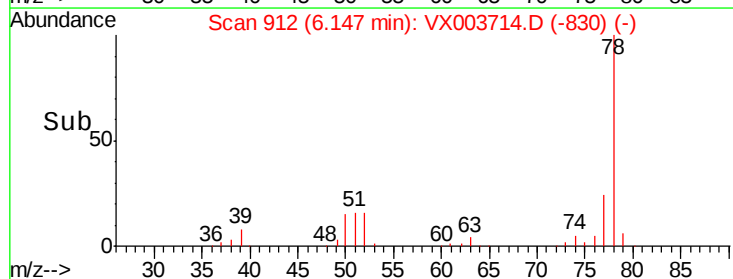
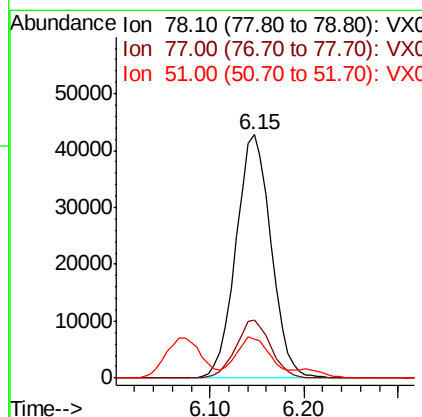
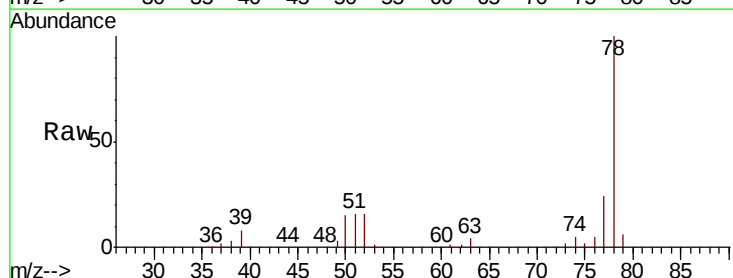
Manual Integrations
APPROVED

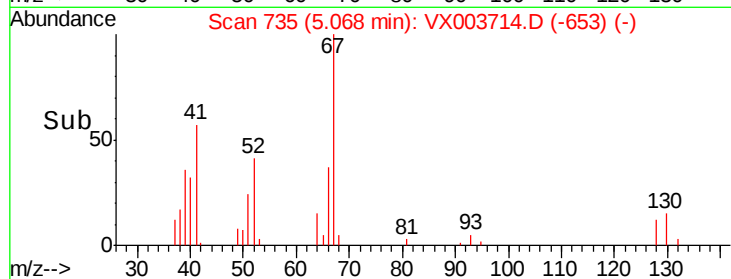
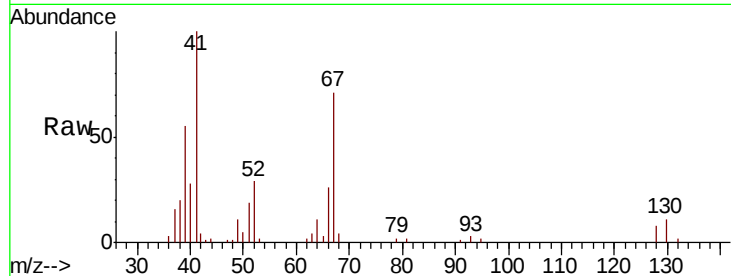
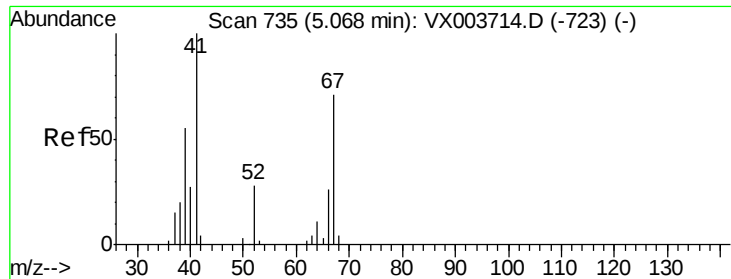
MMDadoda
7/30/2018 3:42:29 PM



#34
Benzene
Concen: 19.658 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.0
51	15.8	13.8	20.6





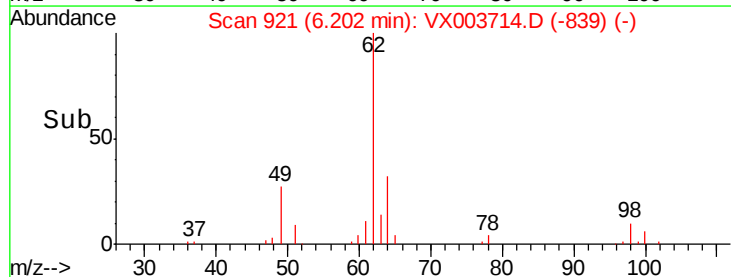
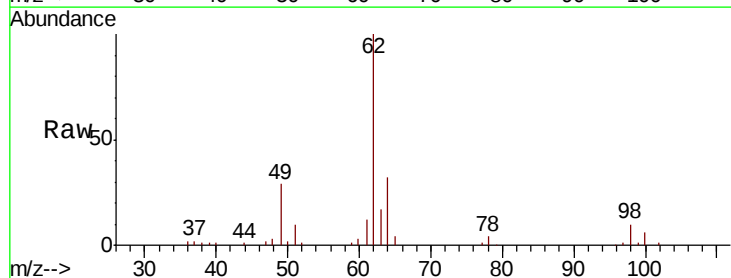
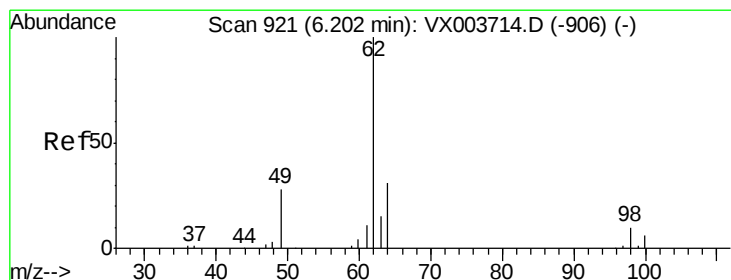
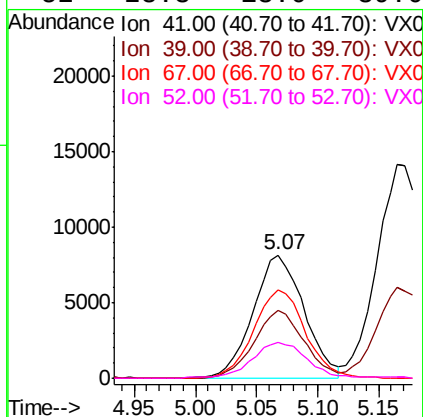
#35
Methacrylonitrile
Concen: 20.831 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.5	28.8	86.5	
67	71.0	30.4	91.2	
52	28.3	13.0	39.0	

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

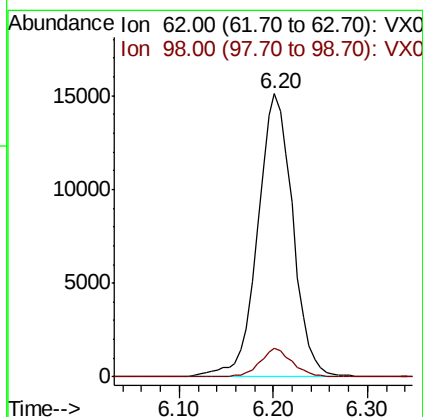
Manual Integrations
APPROVED

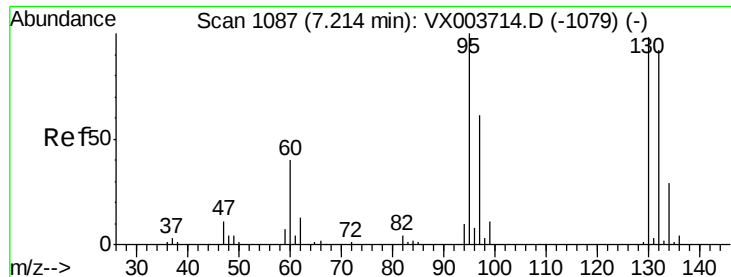
MMDadoda
7/30/2018 3:42:29 PM



#36
1,2-Dichloroethane
Concen: 19.982 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	6.5	9.7	





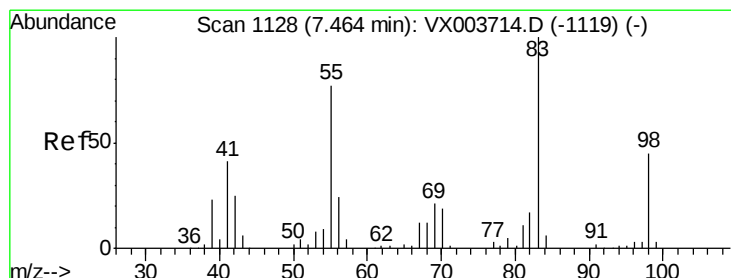
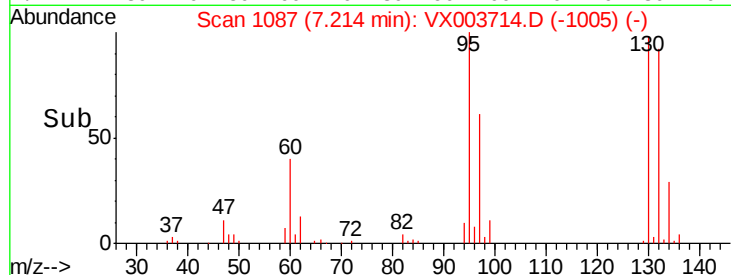
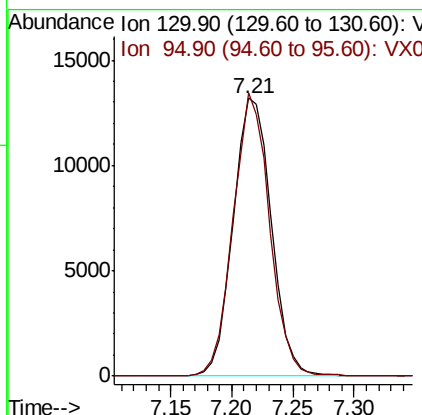
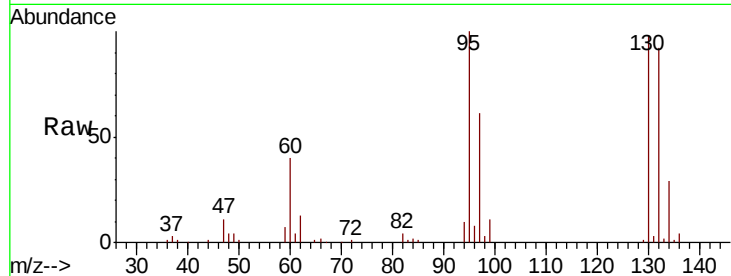
#37
 Trichloroethene
 Concen: 18.218 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003714.D
 Acq: 27 Jul 2018 13:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion:130 Resp: 28549
 Ion Ratio Lower Upper
 130 100
 95 101.8 81.5 122.3

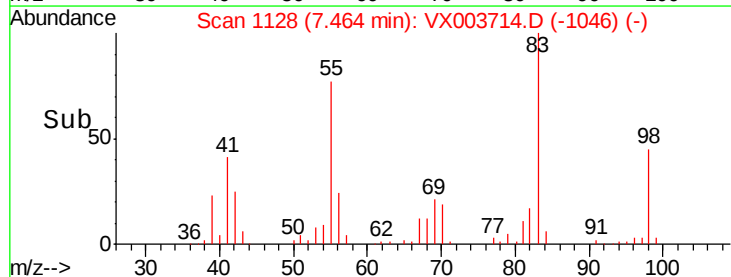
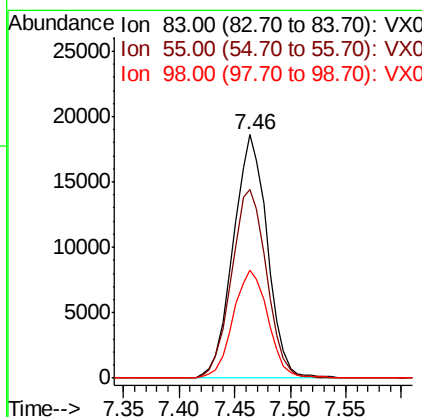
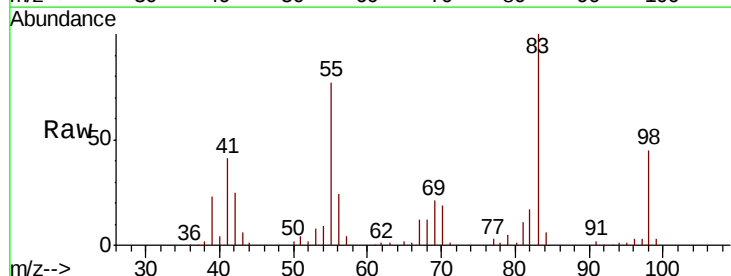
Manual Integrations
 APPROVED

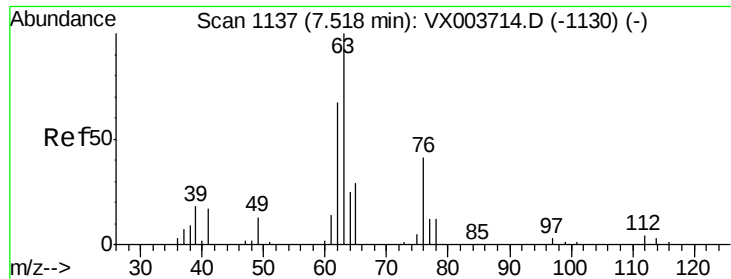
MMDadoda
 7/30/2018 3:42:29 PM



#38
 Methylcyclohexane
 Concen: 18.165 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX003714.D
 Acq: 27 Jul 2018 13:57

Tgt Ion: 83 Resp: 39512
 Ion Ratio Lower Upper
 83 100
 55 79.5 40.6 121.8
 98 45.2 23.5 70.5





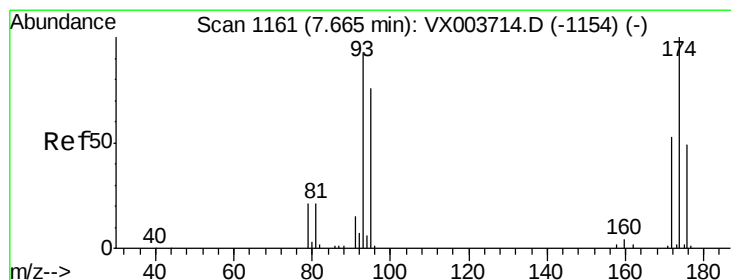
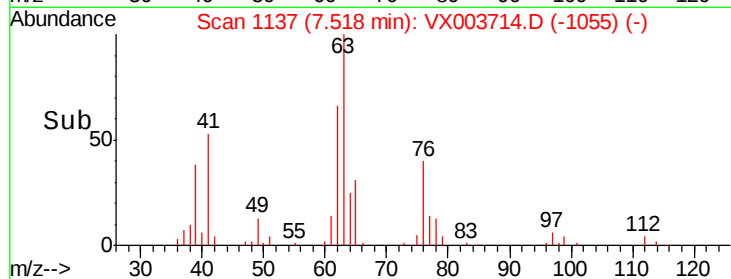
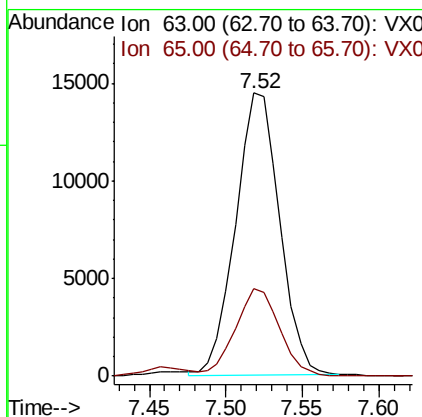
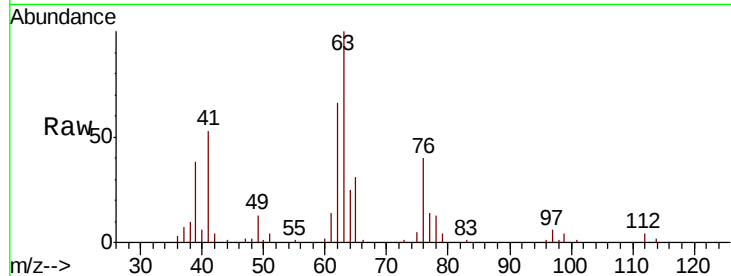
#39
 1,2-Dichloropropane
 Concen: 19.792 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003714.D
 Acq: 27 Jul 2018 13:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	23.3	34.9

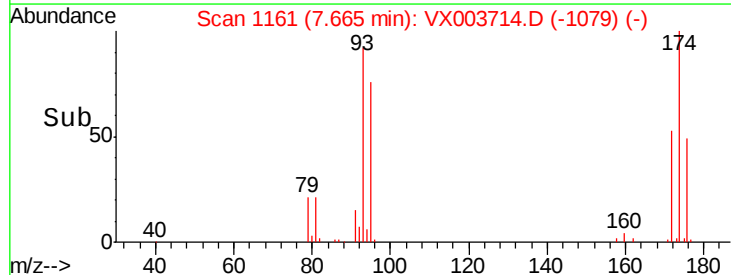
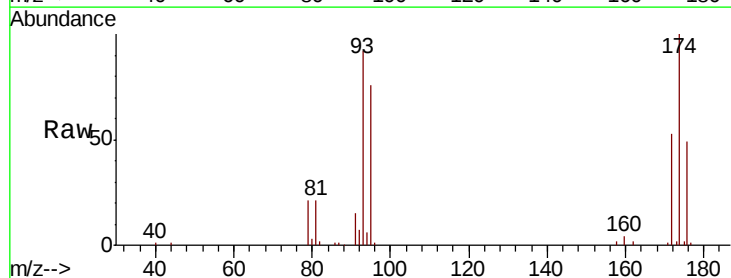
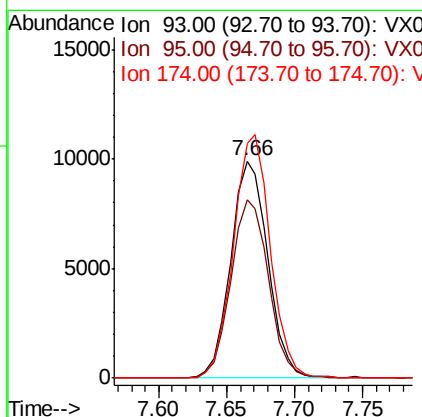
Manual Integrations
 APPROVED

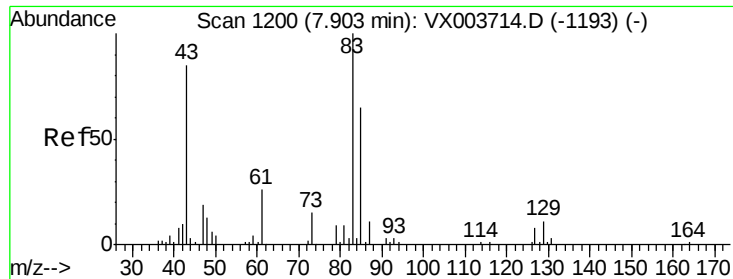
MMDadoda
 7/30/2018 3:42:29 PM



#40
 Dibromomethane
 Concen: 19.608 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003714.D
 Acq: 27 Jul 2018 13:57

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	0.0	162.6
174	111.6	0.0	229.4





#41

Bromodichloromethane

Concen: 19.370 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003714.D

Acq: 27 Jul 2018 13:57

Instrument :

MSVOA_X

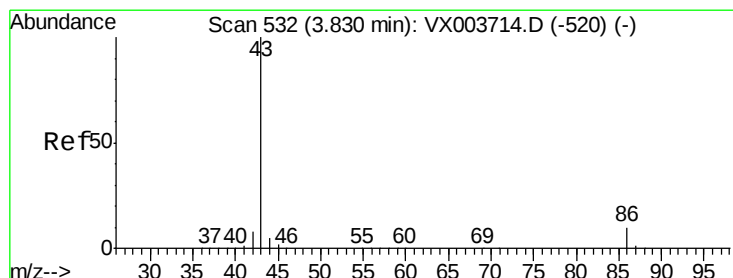
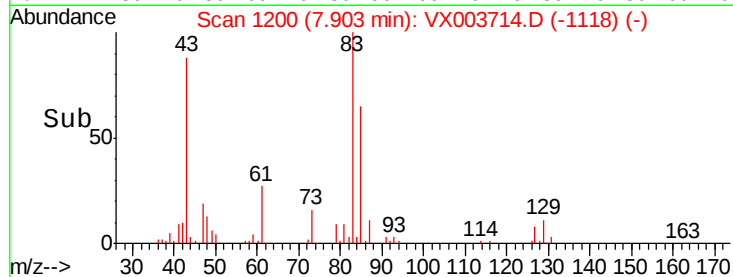
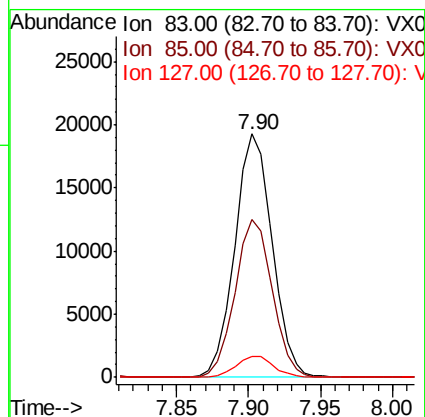
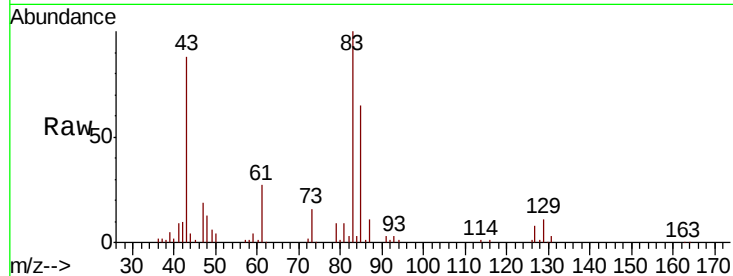
ClientSampleId :

VSTDICCC020

Tot Ion:	83	Resp:	34805
Ion Ratio	Lower	Upper	
83	100		
85	65.0	49.8	74.8
127	8.4	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:29 PM



#42

Vinyl Acetate

Concen: 98.503 ug/l

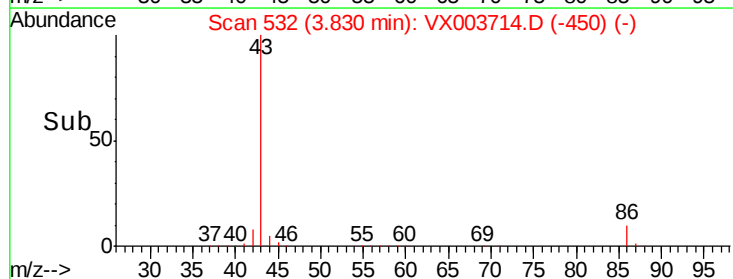
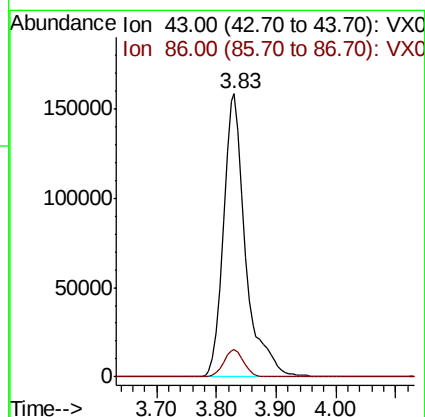
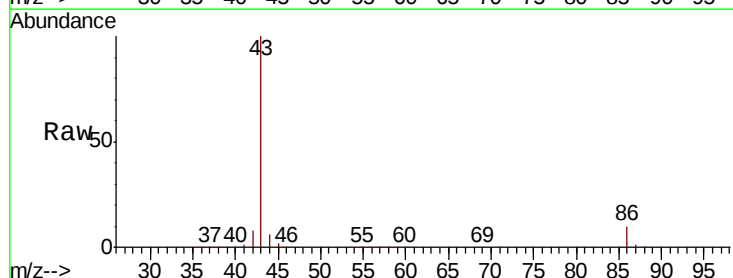
RT: 3.83 min Scan# 532

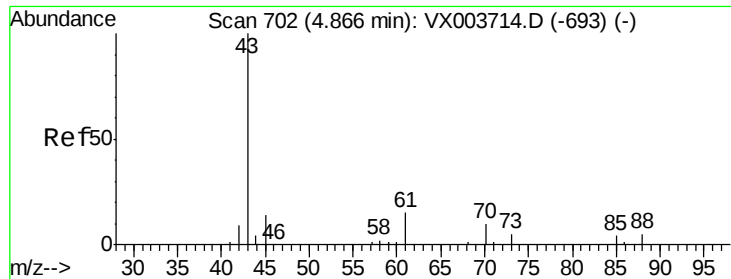
Delta R.T. 0.00 min

Lab File: VX003714.D

Acq: 27 Jul 2018 13:57

Tgt Ion:	43	Resp:	406918
Ion Ratio	Lower	Upper	
43	100		
86	8.7	6.7	10.1





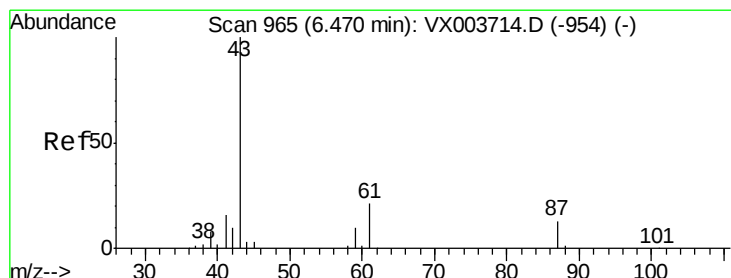
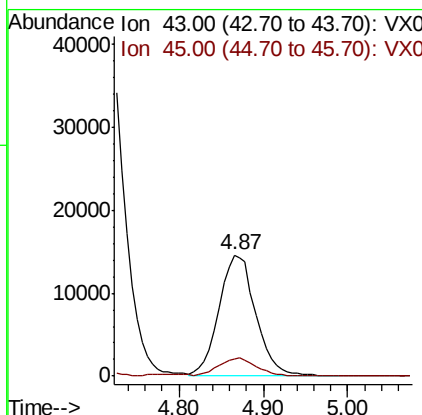
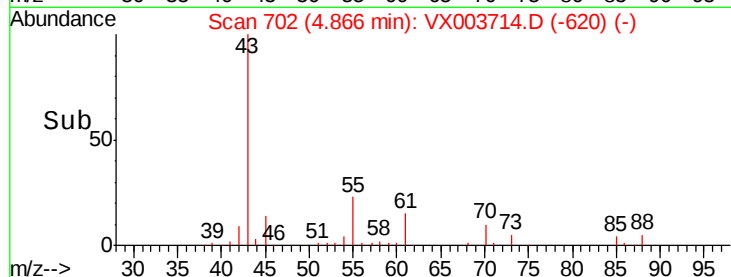
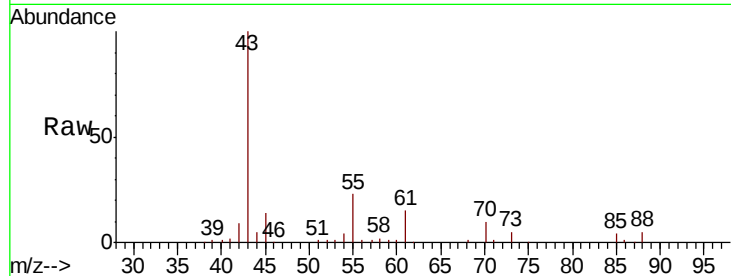
#43
Ethyl Acetate
Concen: 21.272 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion: 43 Resp: 43448
Ion Ratio Lower Upper
43 100
45 15.7 11.0 16.4

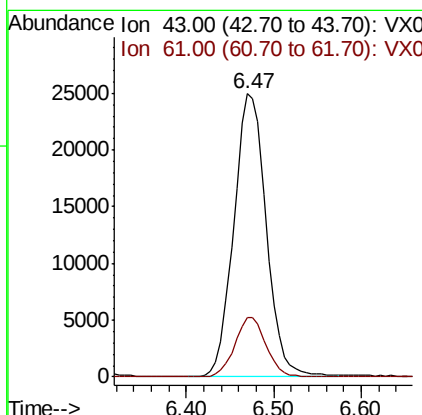
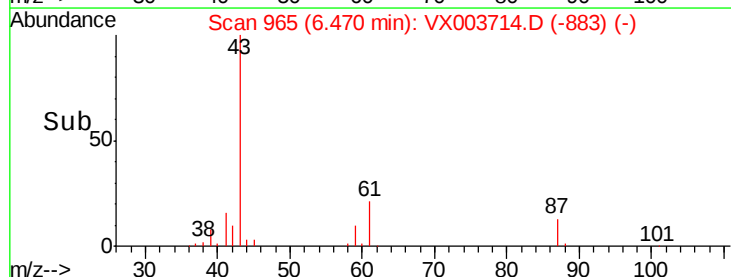
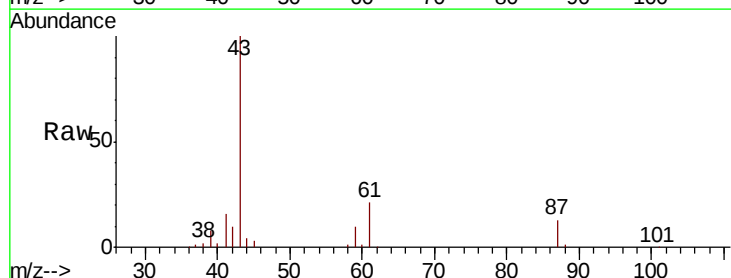
Manual Integrations
APPROVED

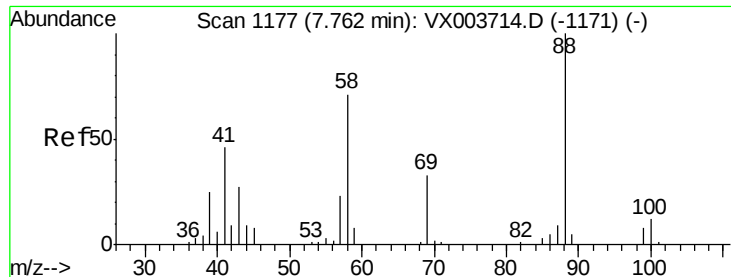
MMDadoda
7/30/2018 3:42:29 PM



#44
Isopropyl Acetate
Concen: 20.560 ug/l
RT: 6.47 min Scan# 965
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Tgt Ion: 43 Resp: 64365
Ion Ratio Lower Upper
43 100
61 20.2 14.5 21.7





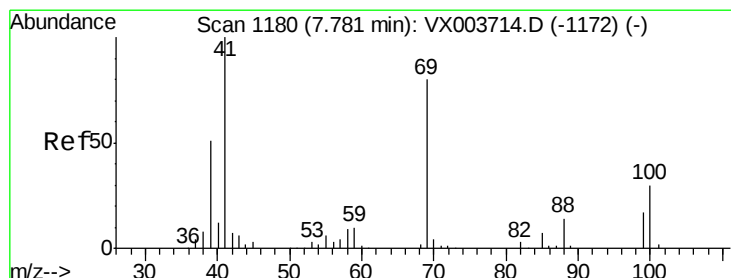
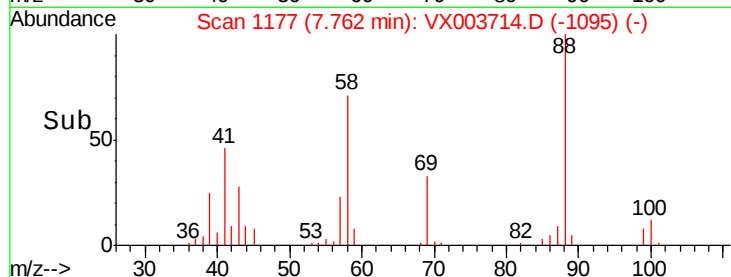
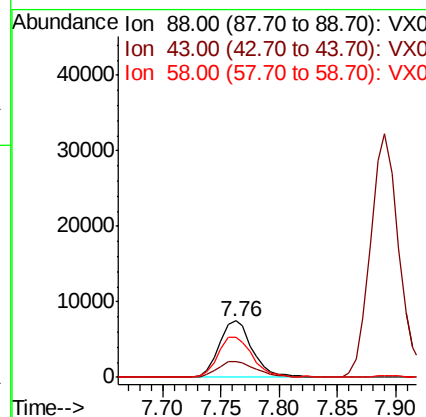
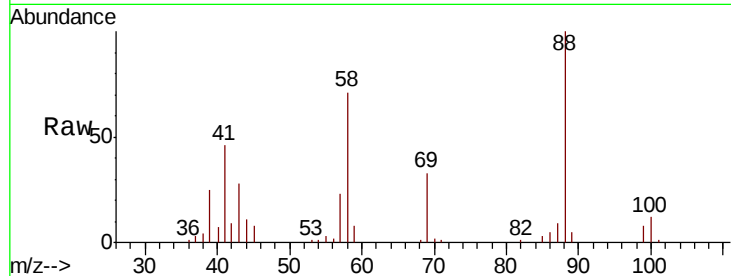
#45
 1,4-Dioxane
 Concen: 446.153 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VX003714.D
 Acq: 27 Jul 2018 13:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.4	43.2	64.8#
58	72.6	60.2	90.2

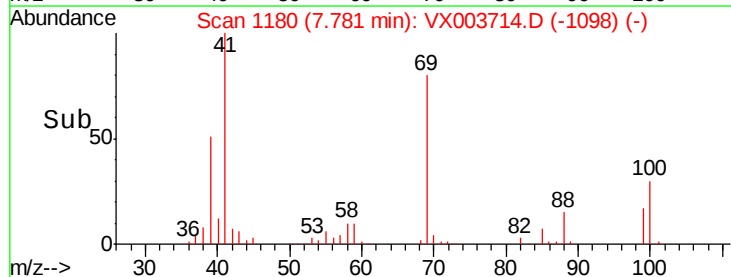
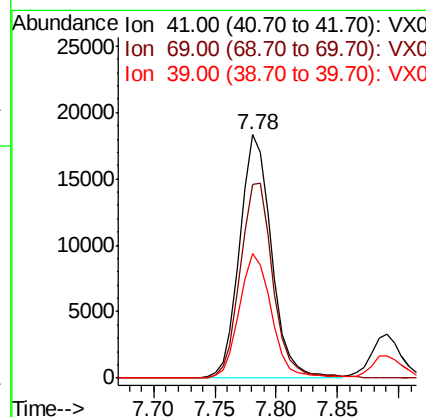
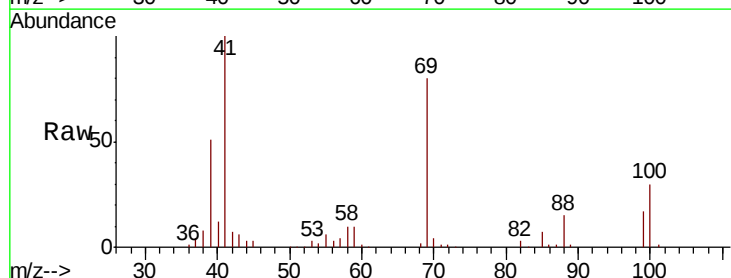
Manual Integrations
 APPROVED

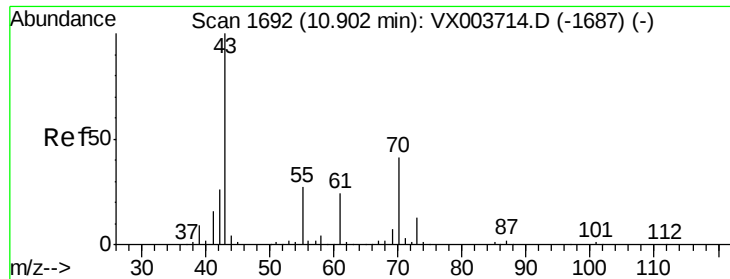
MMDadoda
 7/30/2018 3:42:29 PM



#46
 Methyl methacrylate
 Concen: 20.503 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VX003714.D
 Acq: 27 Jul 2018 13:57

Tgt Ion	Ratio	Lower	Upper
41	100		
69	79.5	37.0	110.9
39	51.4	29.6	88.9





#47

n-amvl Acetate

Concen: 20.824 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX003714.D

Acq: 27 Jul 2018 13:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 43 Resp: 56151

Ion Ratio Lower Upper

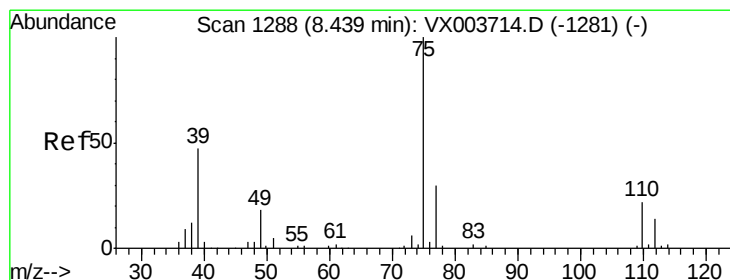
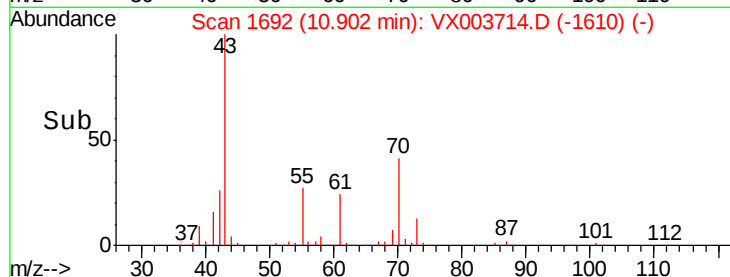
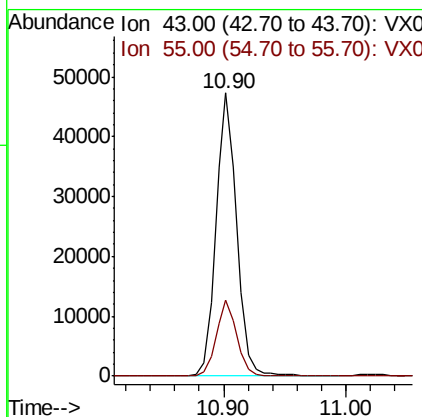
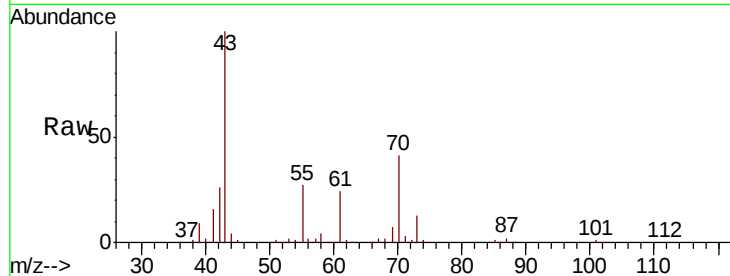
43 100

55 26.5 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda

7/30/2018 3:42:29 PM



#48

t-1,3-Dichloropropene

Concen: 19.273 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003714.D

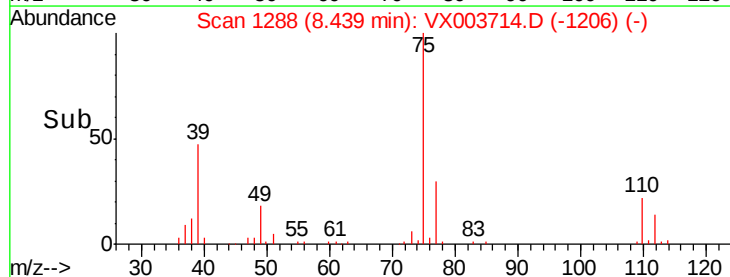
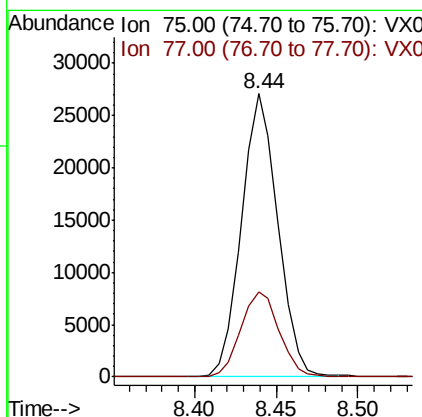
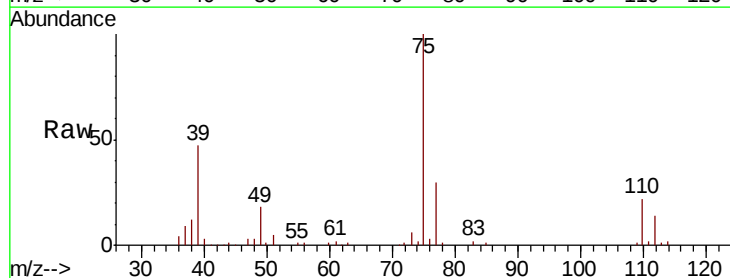
Acq: 27 Jul 2018 13:57

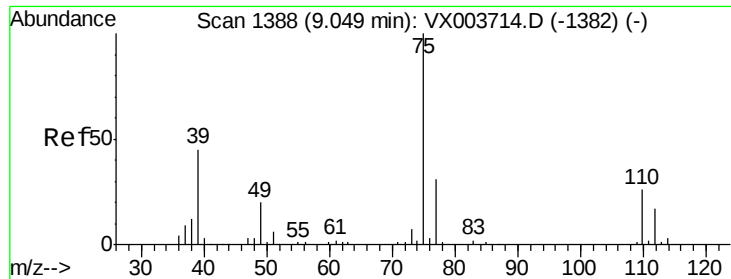
Tgt Ion: 75 Resp: 42148

Ion Ratio Lower Upper

75 100

77 30.1 25.6 38.4





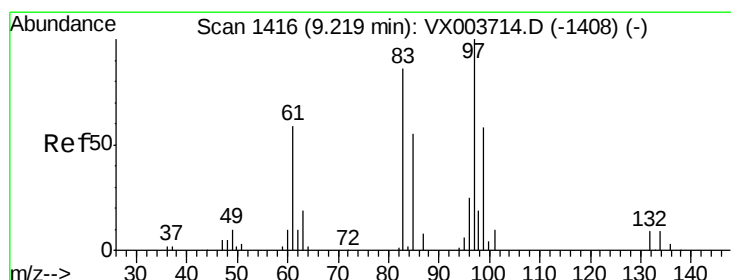
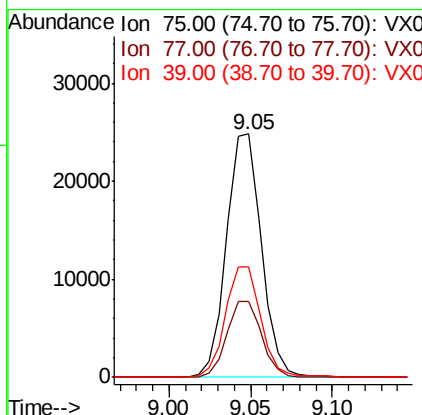
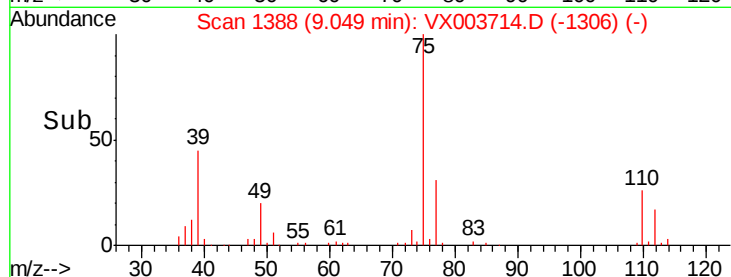
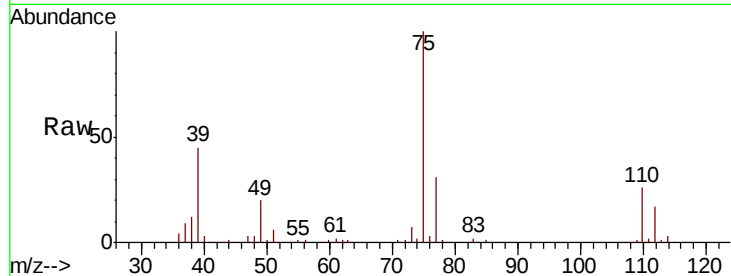
#49
 cis-1,3-Dichloropropene
 Concen: 18.731 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX003714.D
 Acq: 27 Jul 2018 13:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.2
39	45.2	42.3	63.5

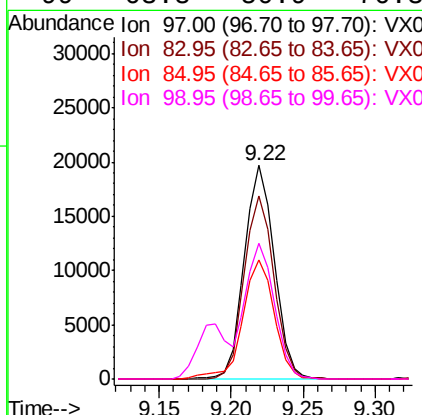
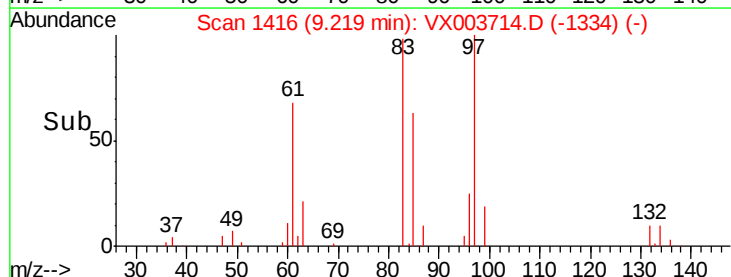
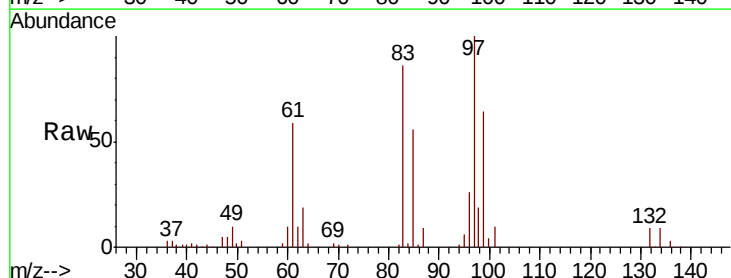
Manual Integrations
 APPROVED

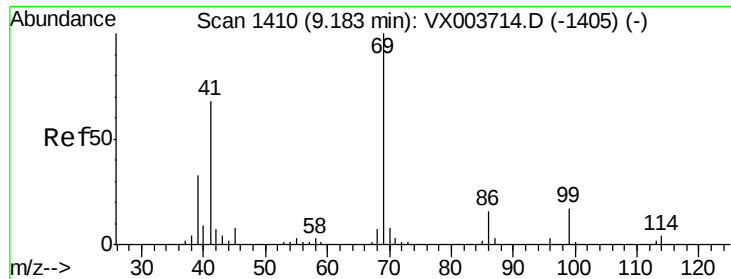
MMDadoda
 7/30/2018 3:42:29 PM



#50
 1,1,2-Trichloroethane
 Concen: 19.598 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003714.D
 Acq: 27 Jul 2018 13:57

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.7	70.8	106.2
85	55.7	43.5	65.3
99	63.8	50.9	76.3





#51

Ethyl methacrylate

Concen: 19.287 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. 0.00 min

Lab File: VX003714.D

Acq: 27 Jul 2018 13:57

Instrument :

MSVOA_X

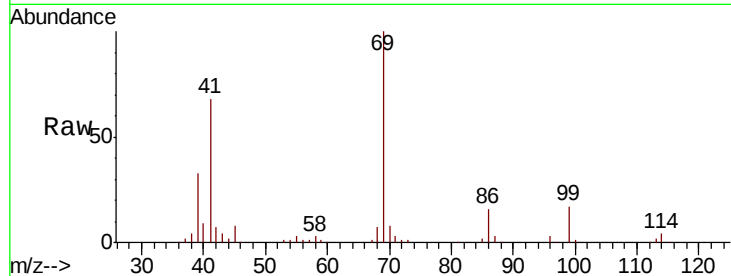
ClientSampleId :

VSTDICCC020

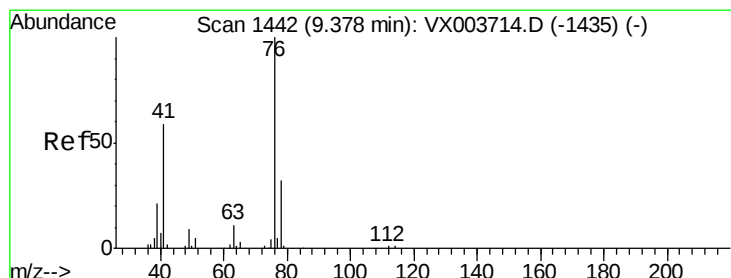
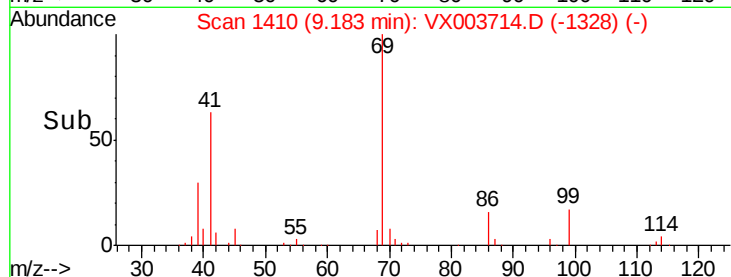
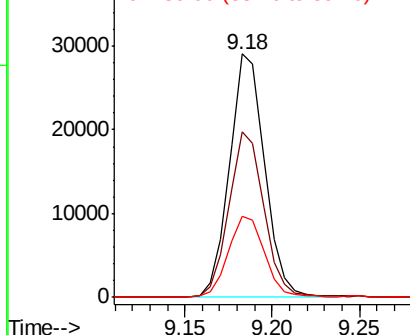
Tot Ion:	69	Resp:	40766
Ion	Ratio	Lower	Upper
69	100		
41	67.9	39.1	117.3
39	32.8	21.7	65.1

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:29 PM



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 19.638 ug/l

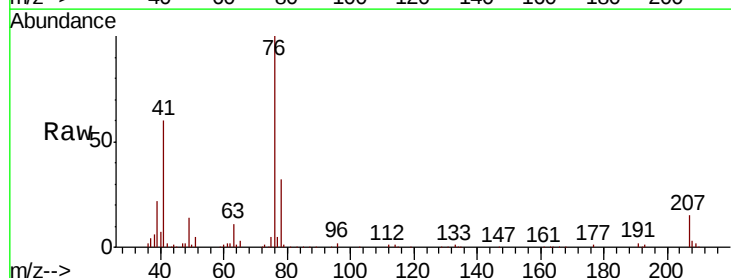
RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

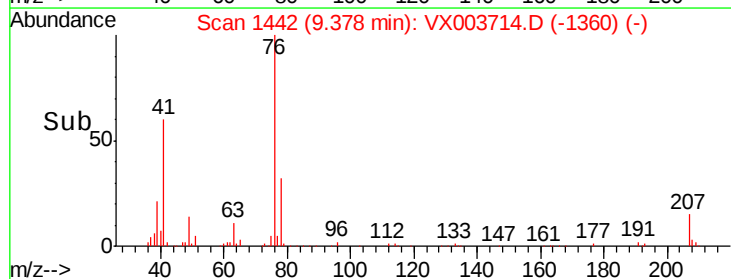
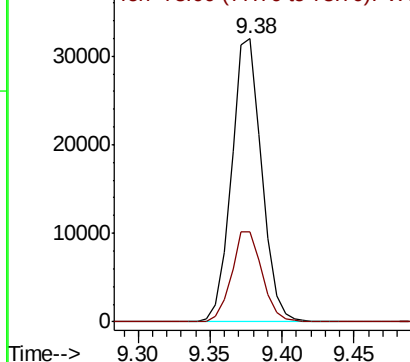
Lab File: VX003714.D

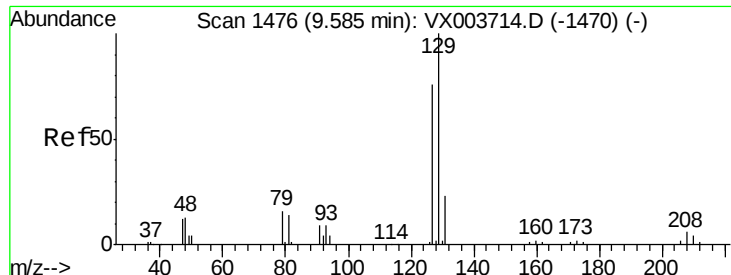
Acq: 27 Jul 2018 13:57

Tgt Ion:	76	Resp:	46781
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	63.4



Abundance Ion 76.00 (75.70 to 76.70): VX0
Ion 78.00 (77.70 to 78.70): VX0





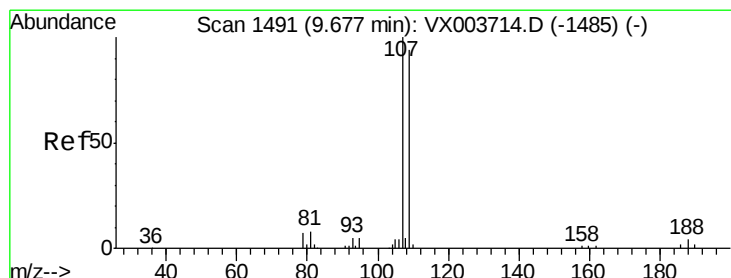
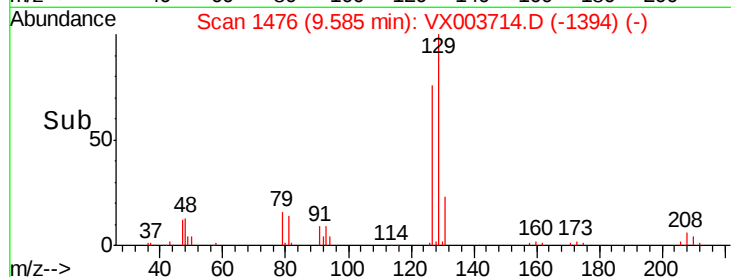
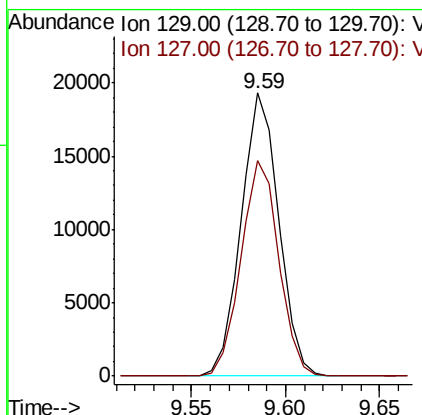
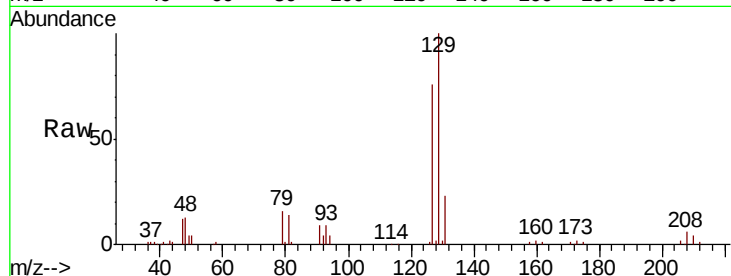
#53
 Dibromochloromethane
 Concen: 18.496 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VX003714.D
 Acq: 27 Jul 2018 13:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion:129 Resp: 26808
 Ion Ratio Lower Upper
 129 100
 127 76.4 38.5 115.3

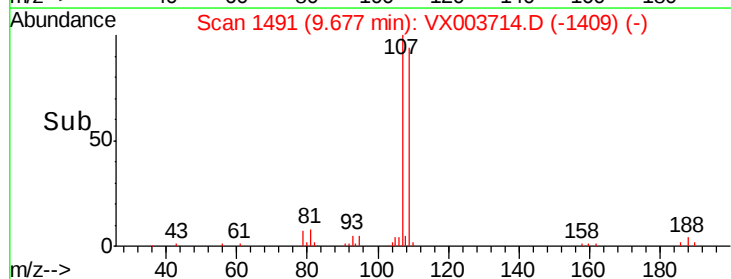
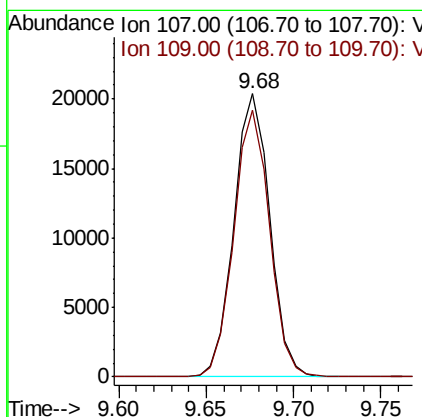
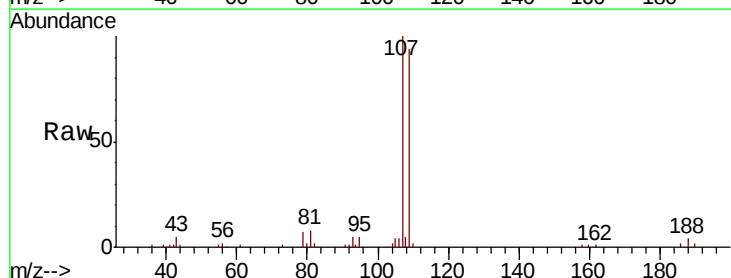
Manual Integrations
 APPROVED

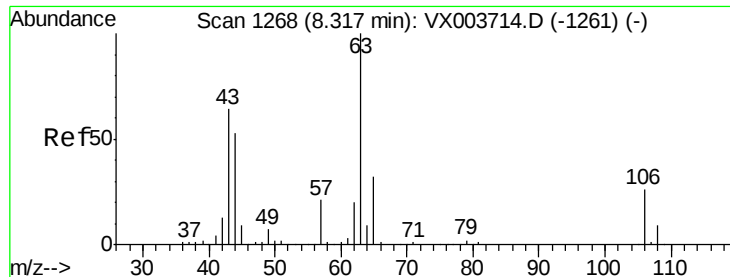
MMDadoda
 7/30/2018 3:42:29 PM



#54
 1,2-Dibromoethane
 Concen: 19.323 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX003714.D
 Acq: 27 Jul 2018 13:57

Tgt Ion:107 Resp: 29063
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.5 113.3





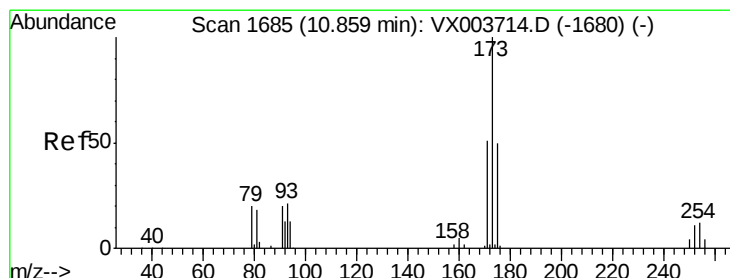
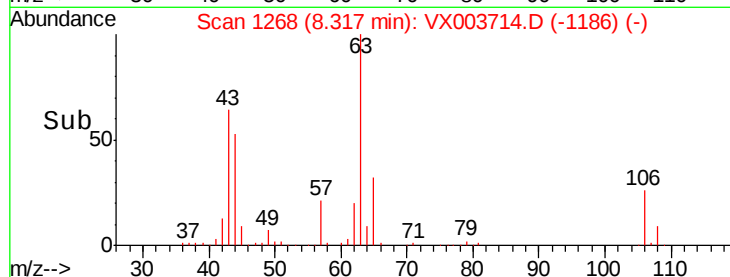
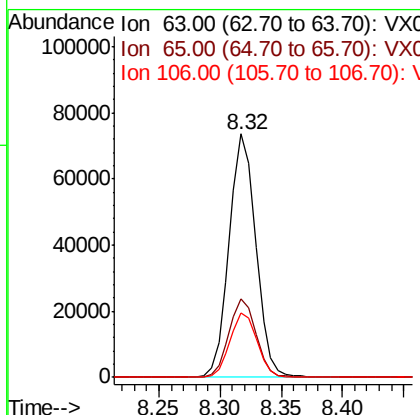
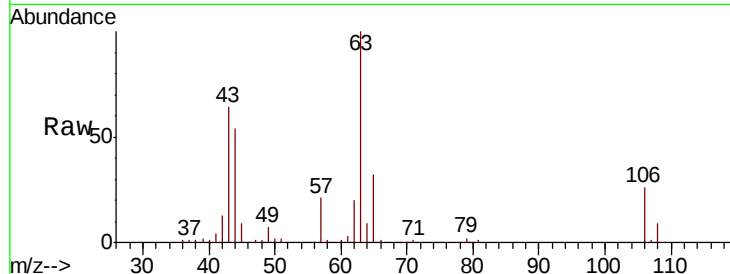
#55
2-Chloroethyl vinyl ether
Concen: 111.857 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion:	63	Resp:	111540
Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.6	38.4
106	26.7	21.6	32.4

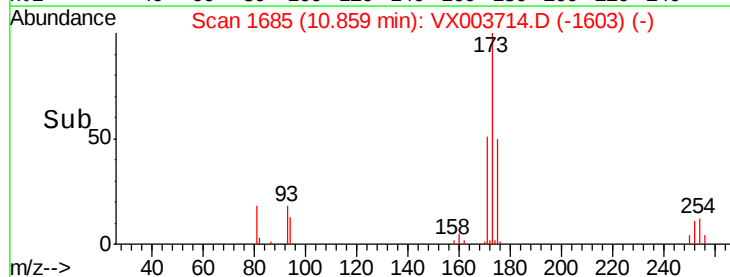
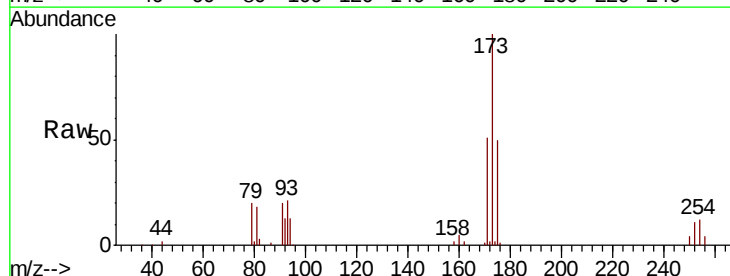
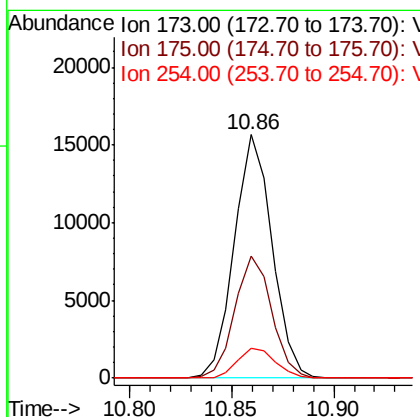
Manual Integrations
APPROVED

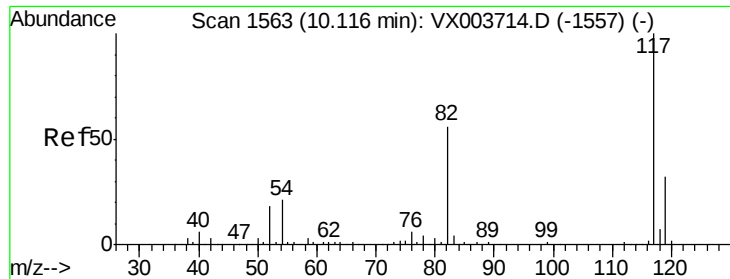
MMDadoda
7/30/2018 3:42:29 PM



#56
Bromoform
Concen: 18.194 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Tgt Ion:	173	Resp:	20163
Ion	Ratio	Lower	Upper
173	100		
175	48.8	39.0	58.4
254	12.4	9.6	14.4





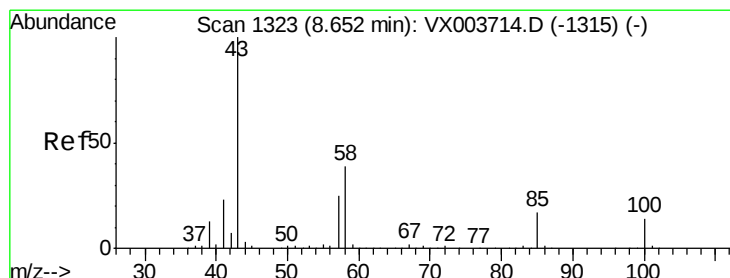
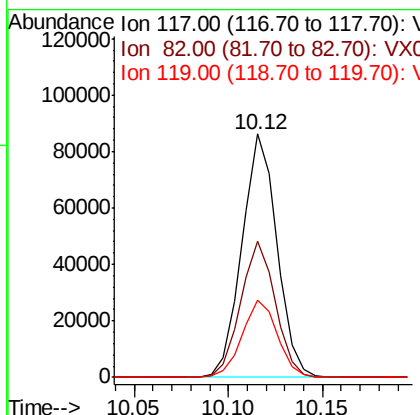
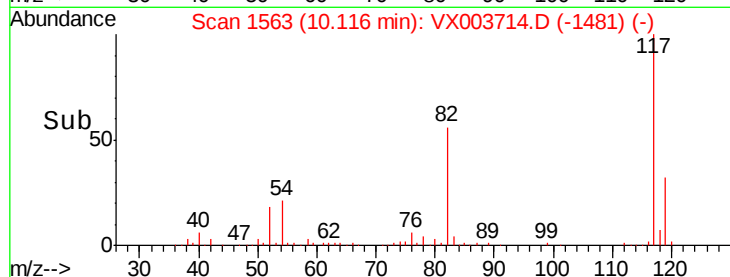
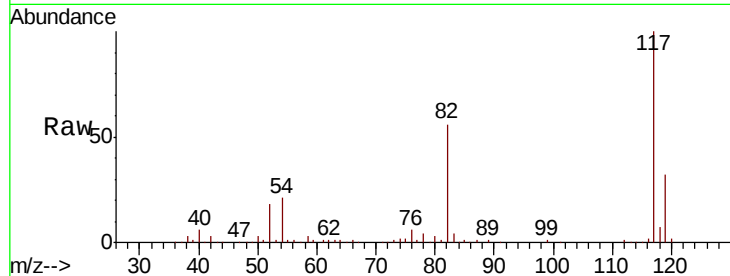
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.3	66.5
119	32.1	25.7	38.5

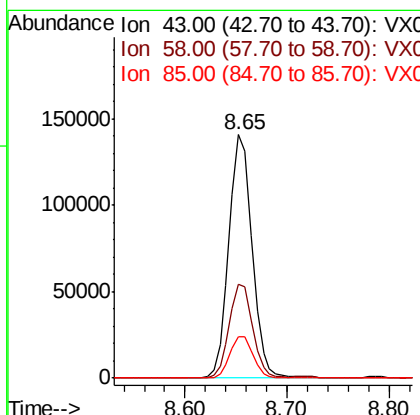
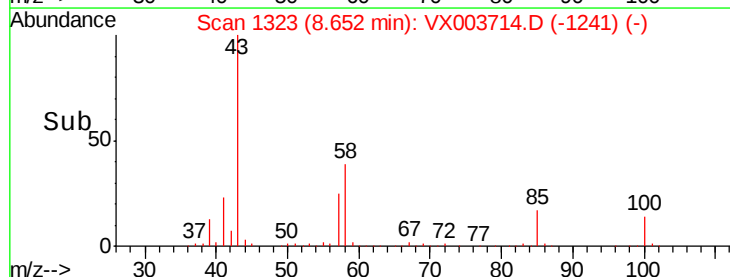
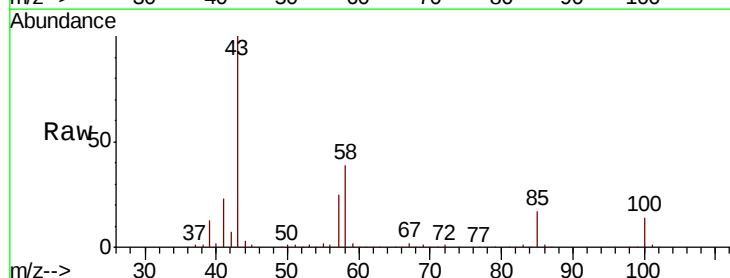
Manual Integrations
APPROVED

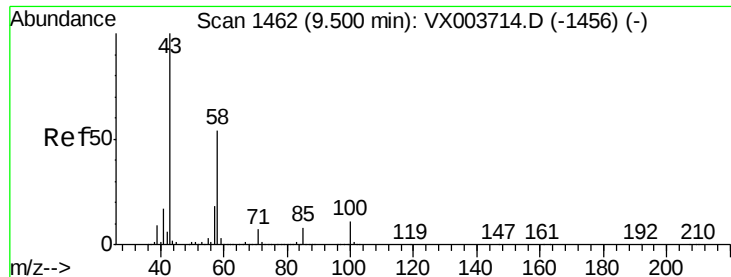
MMDadoda
7/30/2018 3:42:29 PM



#58
4-Methyl-2-Pentanone
Concen: 112.282 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.6	28.2	42.4
85	17.2	12.4	18.6





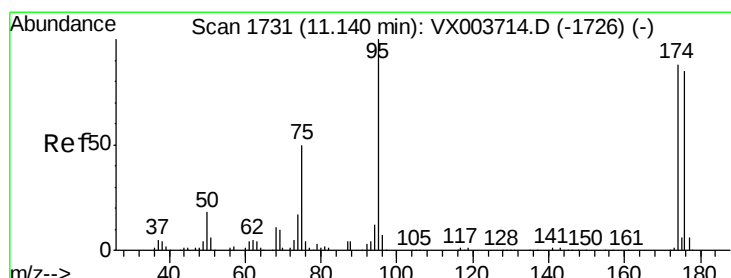
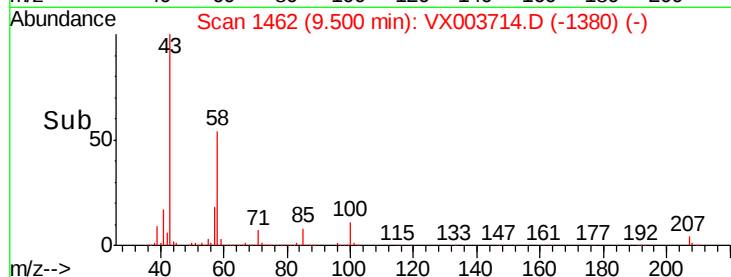
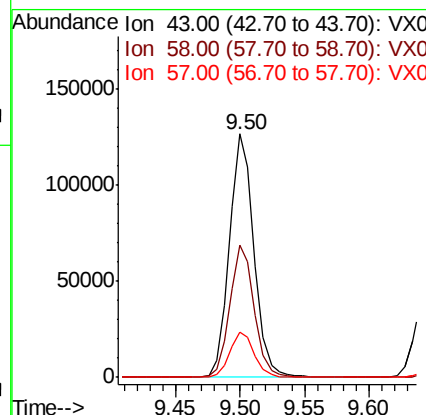
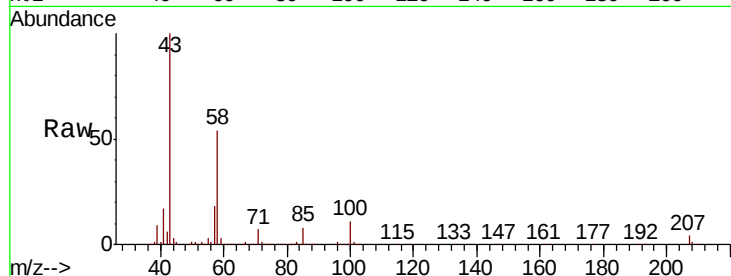
#59
2-Hexanone
Concen: 112.292 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.8	39.6	59.4
57	18.5	14.1	21.1

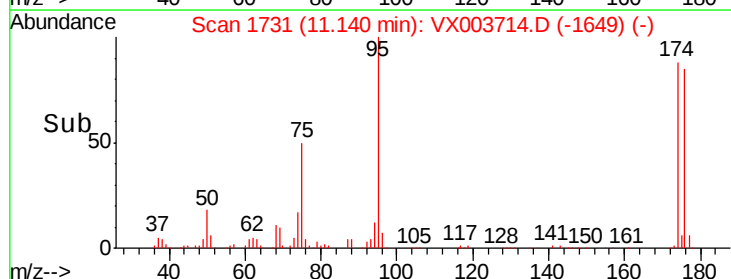
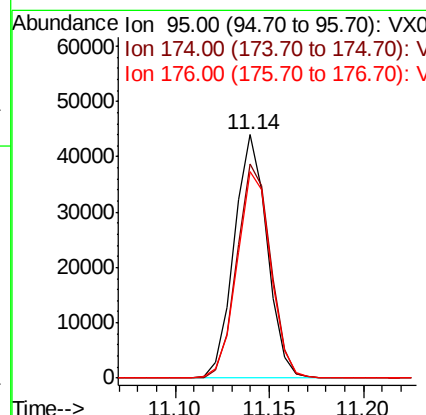
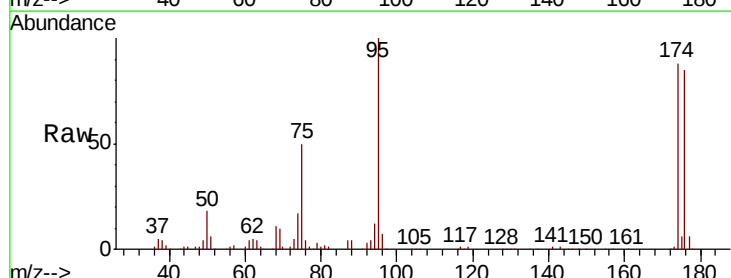
Manual Integrations
APPROVED

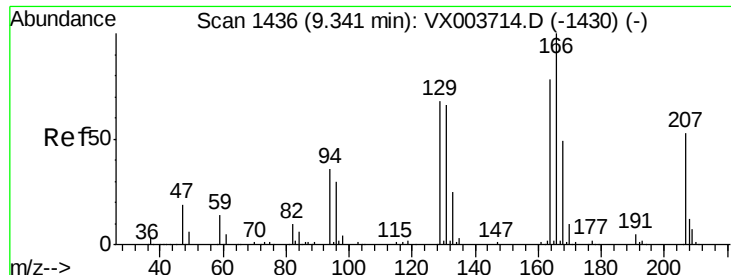
MMDadoda
7/30/2018 3:42:29 PM



#60
4-Bromofluorobenzene
Concen: 29.795 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.3	71.8	107.6
176	87.2	70.1	105.1





#61

Tetrachloroethene

Concen: 14.836 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX003714.D

Acq: 27 Jul 2018 13:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:164 Resp: 25259

Ion Ratio Lower Upper

164 100

166 129.0 102.4 153.6

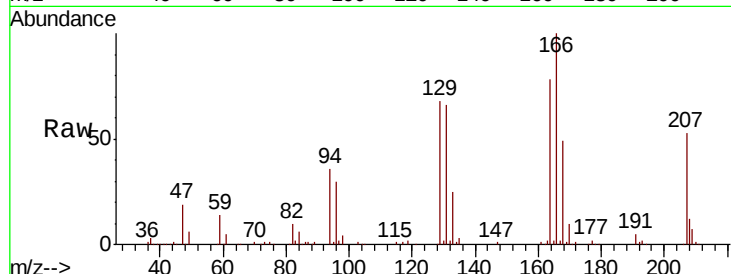
129 87.3 70.1 105.1

131 85.0 69.1 103.7

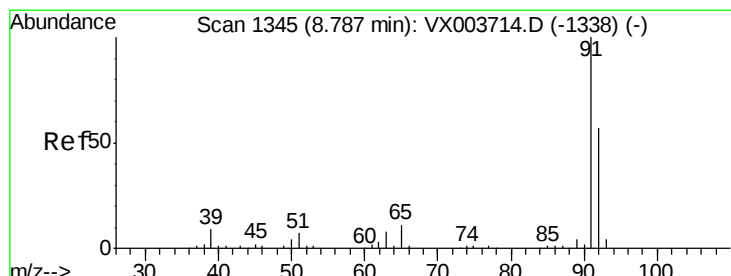
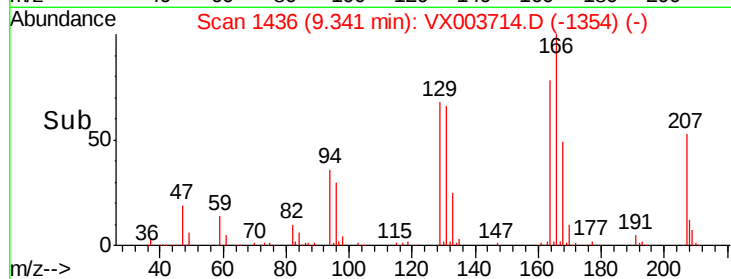
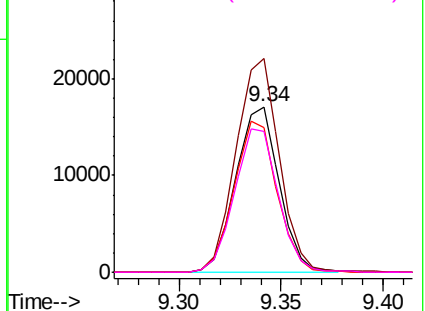
Manual Integrations
APPROVED

MMDadoda

7/30/2018 3:42:29 PM



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.594 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003714.D

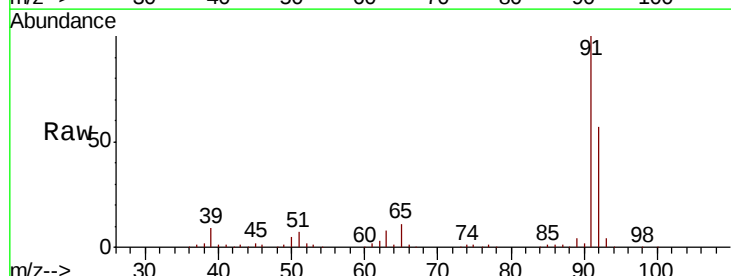
Acq: 27 Jul 2018 13:57

Tgt Ion: 91 Resp: 118917

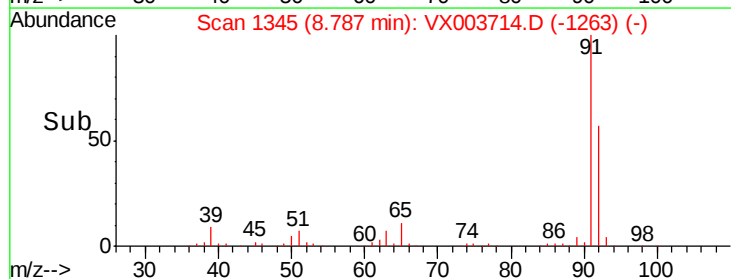
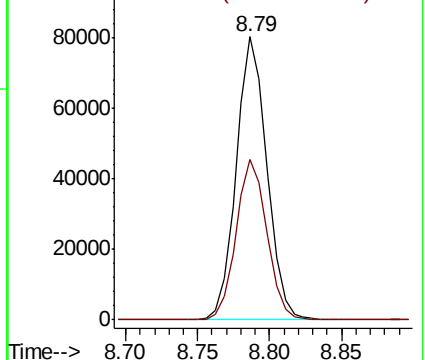
Ion Ratio Lower Upper

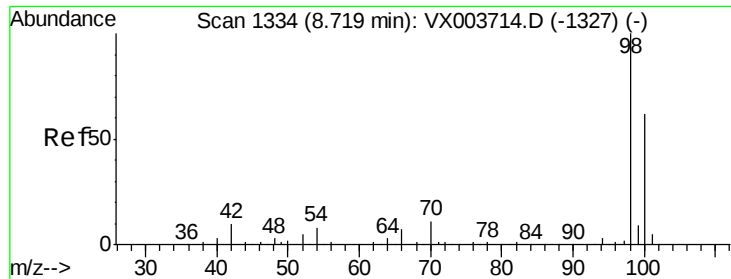
91 100

92 57.1 46.5 69.7



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0





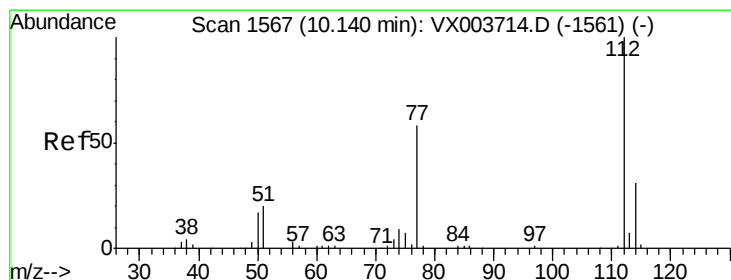
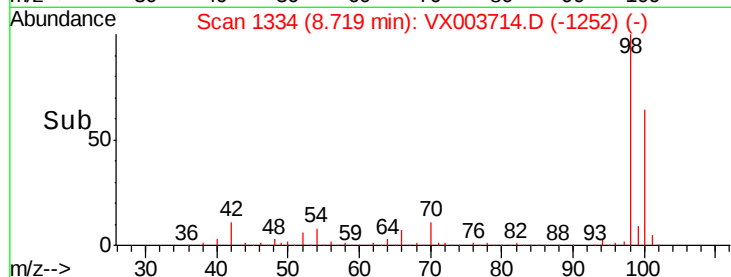
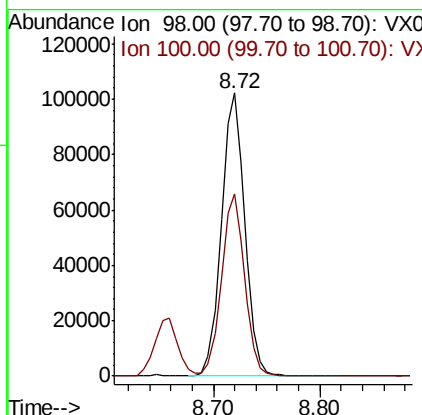
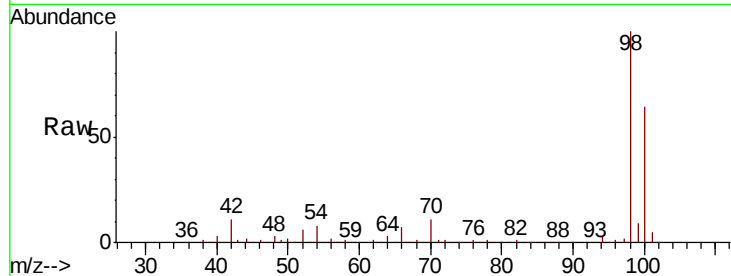
#63
Toluene-d8
Concen: 31.809 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion: 98 Resp: 156432
Ion Ratio Lower Upper
98 100
100 63.9 50.8 76.2

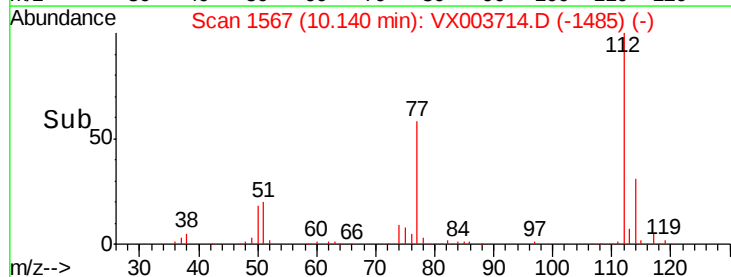
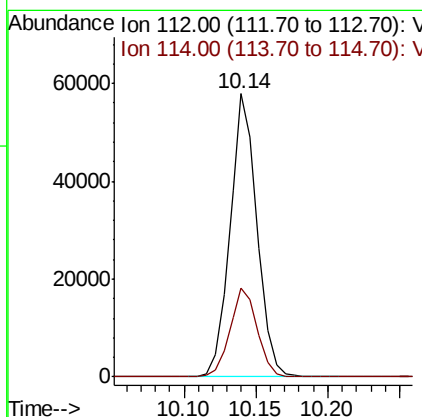
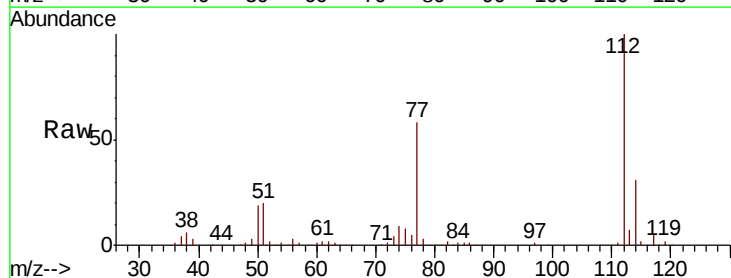
Manual Integrations
APPROVED

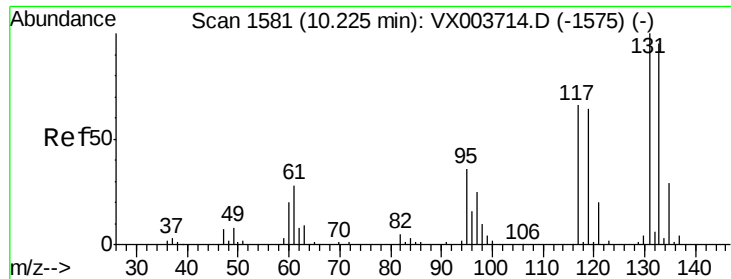
MMDadoda
7/30/2018 3:42:29 PM



#64
Chlorobenzene
Concen: 18.791 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Tgt Ion: 112 Resp: 75520
Ion Ratio Lower Upper
112 100
114 31.4 25.6 38.4





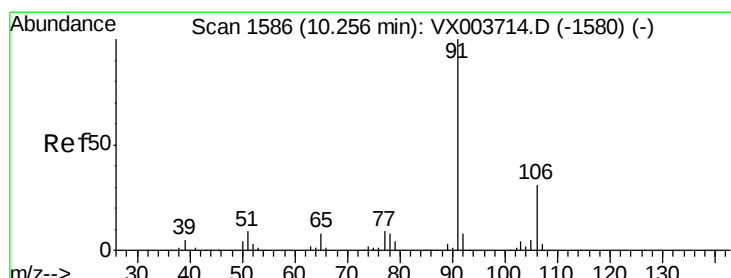
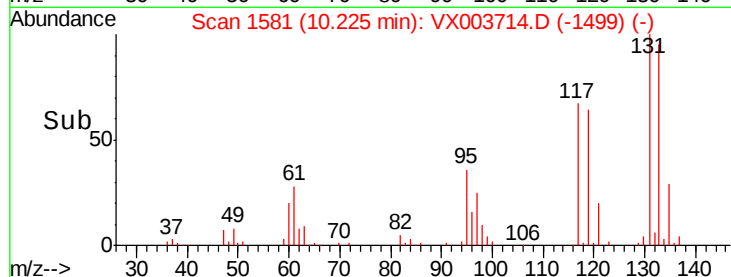
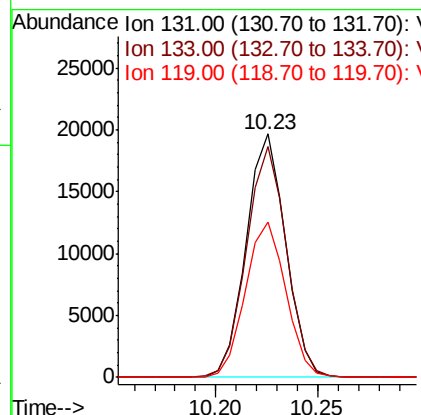
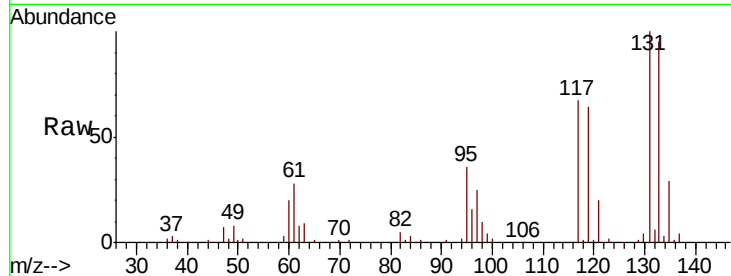
#65
 1,1,1,2-Tetrachloroethane
 Concen: 18.593 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VX003714.D
 Acq: 27 Jul 2018 13:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
131	100	26505		
133	96.0	0.0	191.2	
119	65.5	0.0	125.4	

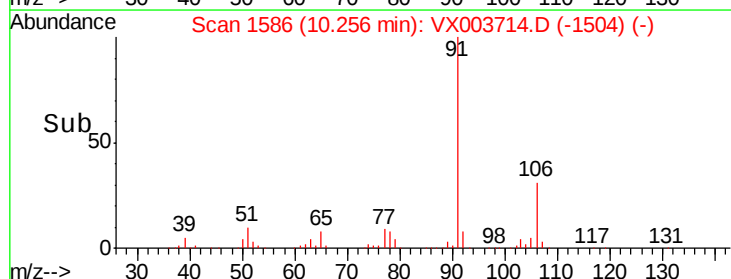
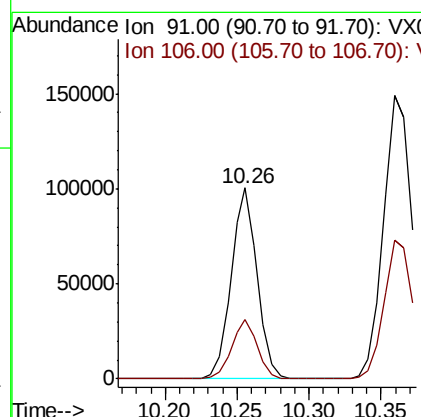
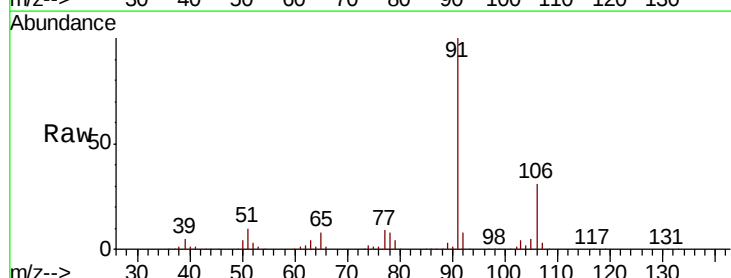
Manual Integrations
 APPROVED

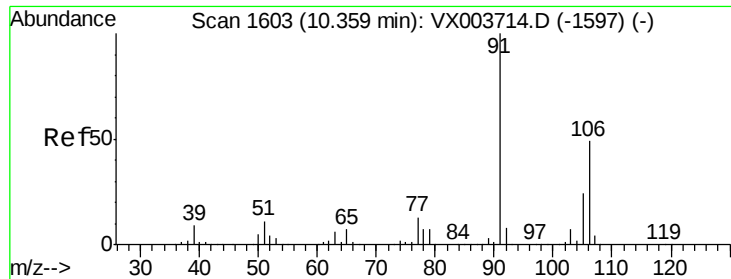
MMDadoda
 7/30/2018 3:42:29 PM



#66
 Ethyl Benzene
 Concen: 18.840 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VX003714.D
 Acq: 27 Jul 2018 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	126351		
106	31.3	25.2	37.8	





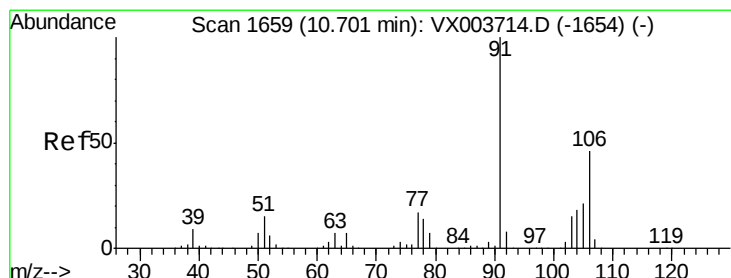
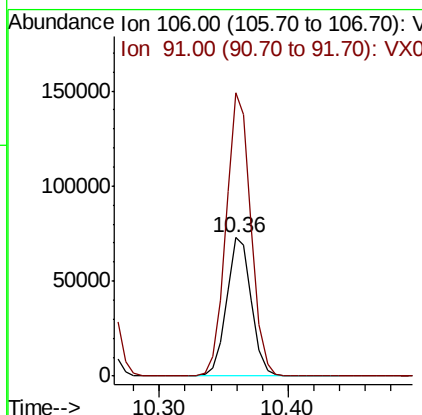
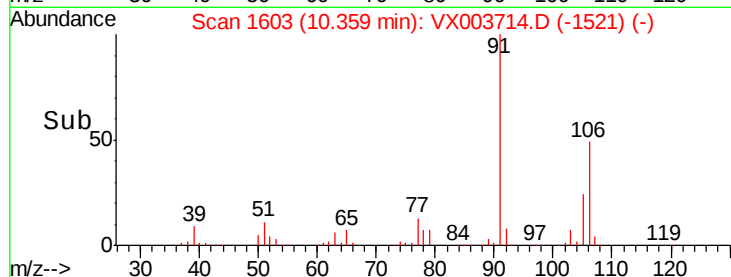
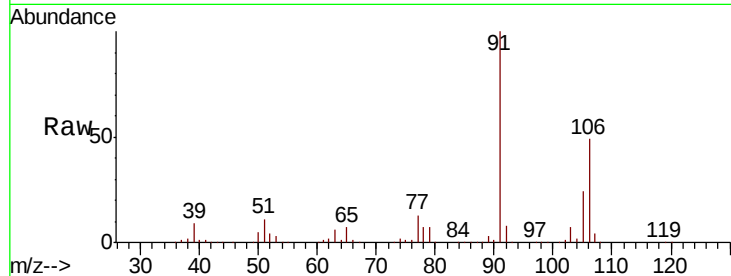
#67
m/p-Xvlenes
Concen: 37.766 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion:106 Resp: 98554
Ion Ratio Lower Upper
106 100
91 204.1 164.1 246.1

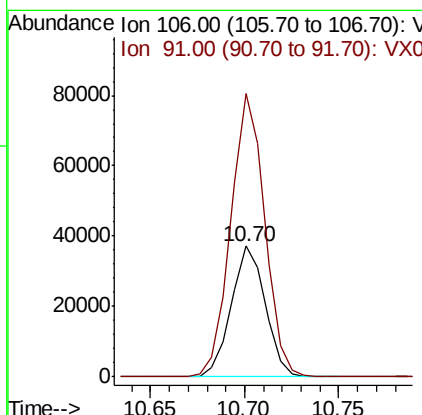
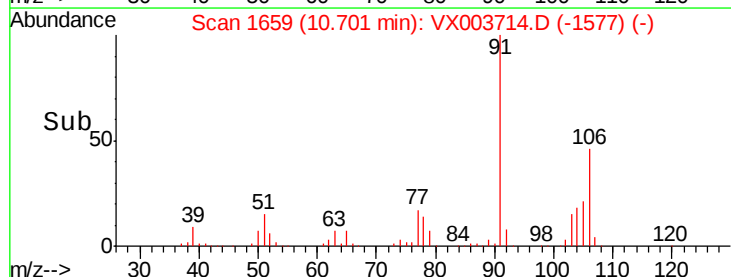
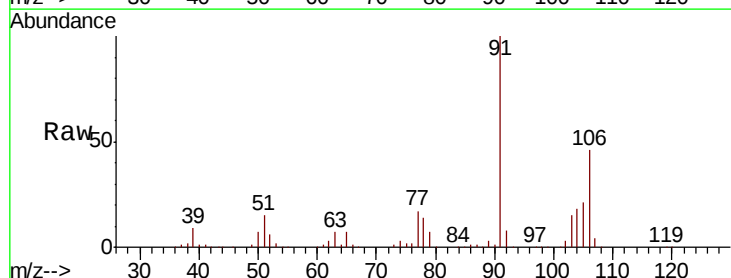
Manual Integrations
APPROVED

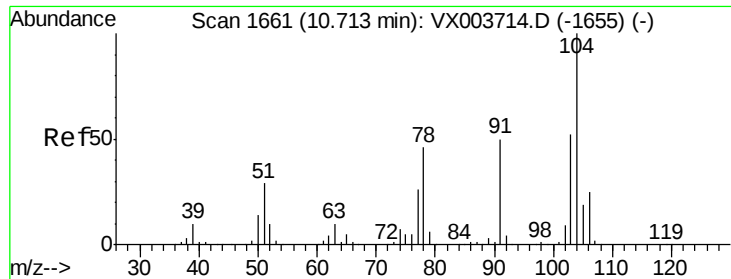
MMDadoda
7/30/2018 3:42:29 PM



#68
o-Xylene
Concen: 18.587 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Tgt Ion:106 Resp: 46669
Ion Ratio Lower Upper
106 100
91 216.1 109.1 327.3





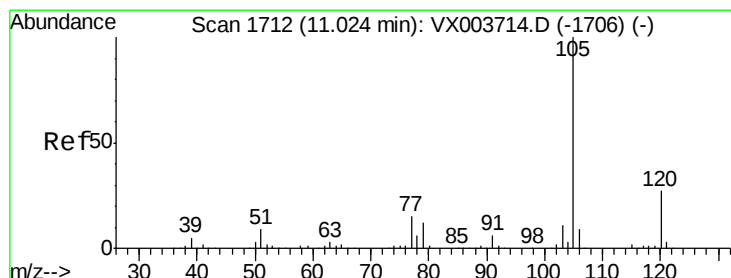
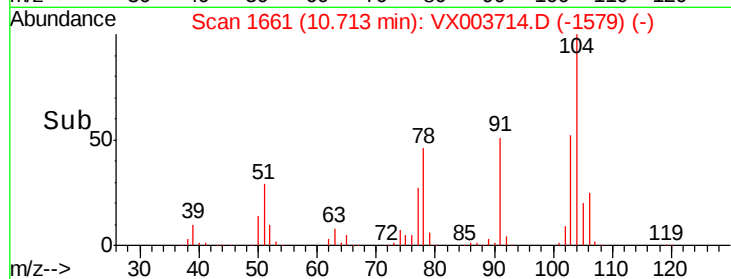
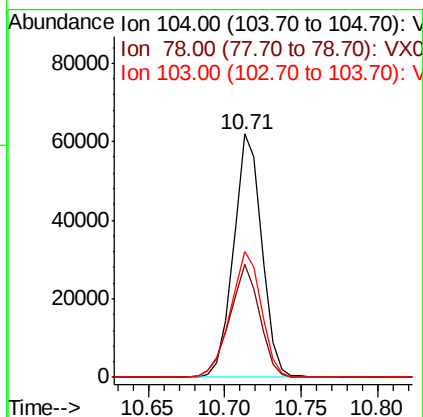
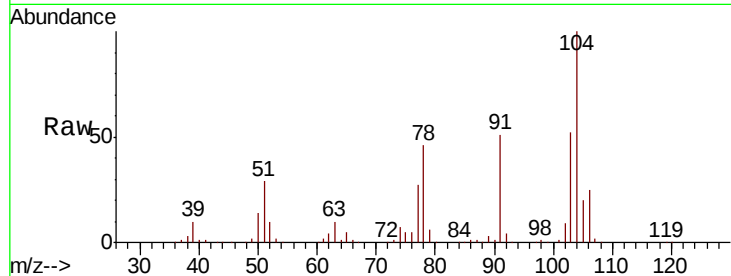
#69
Stvrene
Concen: 18.998 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.3	41.8	62.8
103	56.0	44.9	67.3

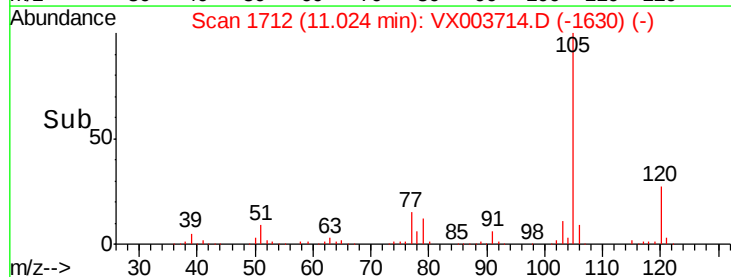
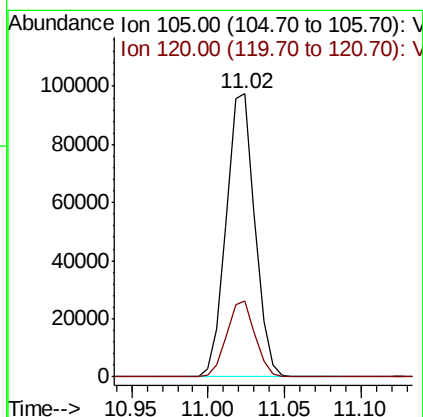
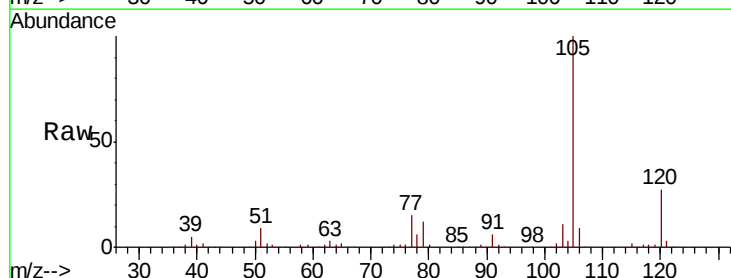
Manual Integrations
APPROVED

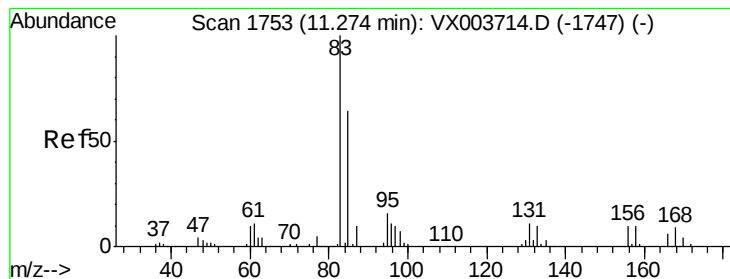
MMDadoda
7/30/2018 3:42:29 PM



#70
Isopropylbenzene
Concen: 19.053 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	19.0	35.2





#71

1,1,2,2-Tetrachloroethane

Concen: 21.865 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX003714.D

Acq: 27 Jul 2018 13:57

Instrument :

MSVOA_X

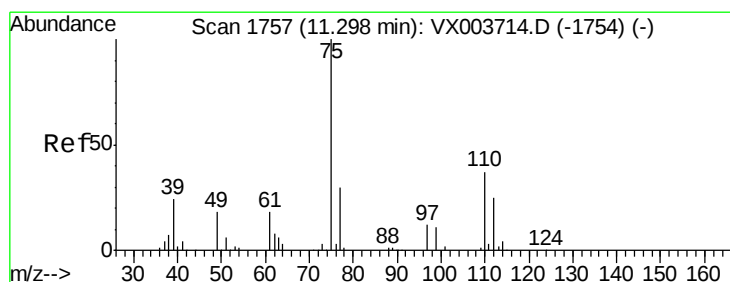
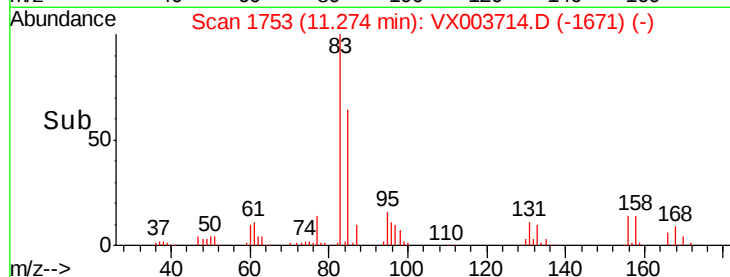
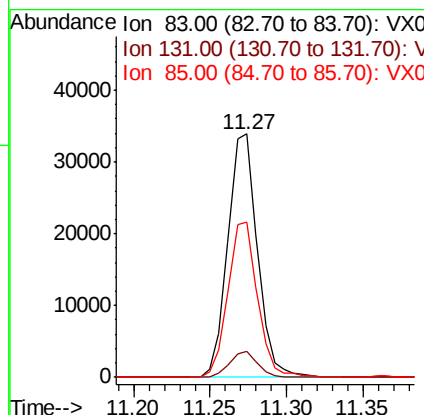
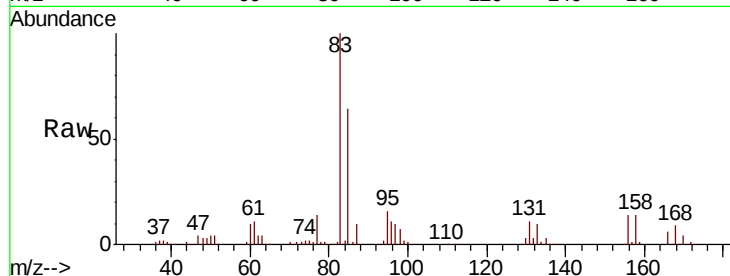
ClientSampleId :

VSTDICCC020

Tot Ion:	83	Resp:	45654
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.4	16.2
85	63.7	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:29 PM



#72

1,2,3-Trichloropropane

Concen: 15.958 ug/l m

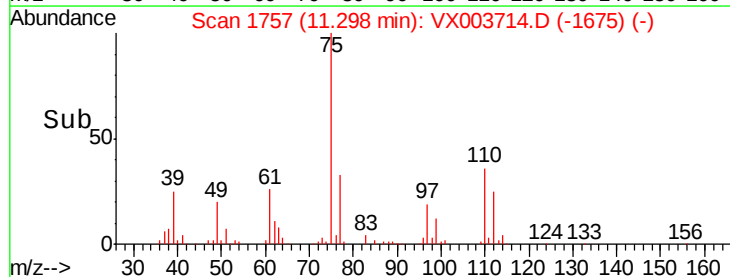
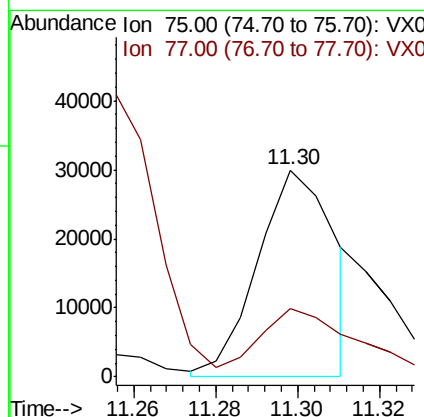
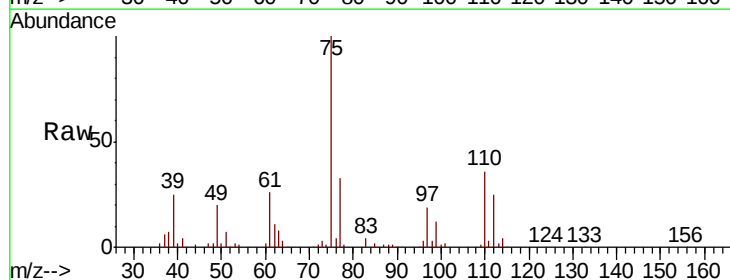
RT: 11.30 min Scan# 1757

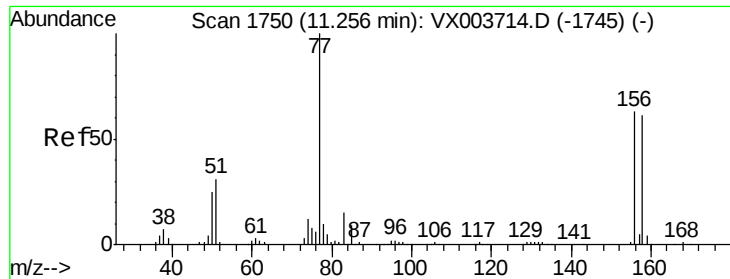
Delta R.T. 0.00 min

Lab File: VX003714.D

Acq: 27 Jul 2018 13:57

Tgt Ion:	75	Resp:	38974
Ion	Ratio	Lower	Upper
75	100		
77	42.4	0.0	71.8





#73

Bromobenzene

Concen: 18.058 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003714.D

Acq: 27 Jul 2018 13:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:156 Resp: 33419

Ion Ratio Lower Upper

156 100

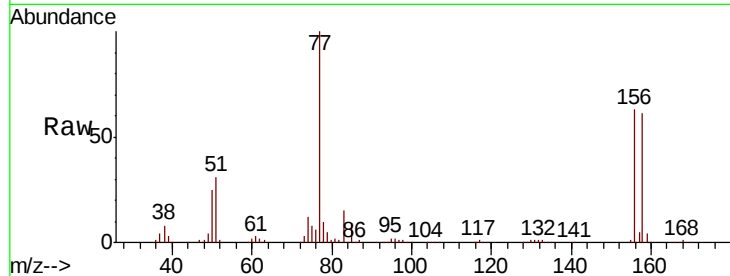
77 154.3 0.0 301.0

158 98.5 0.0 196.2

Manual Integrations
APPROVED

MMDadoda

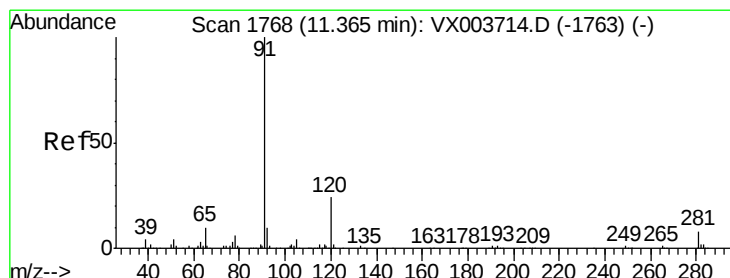
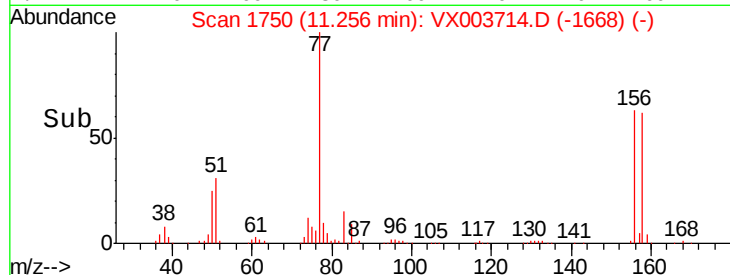
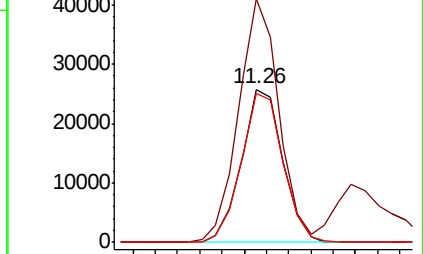
7/30/2018 3:42:29 PM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.261 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX003714.D

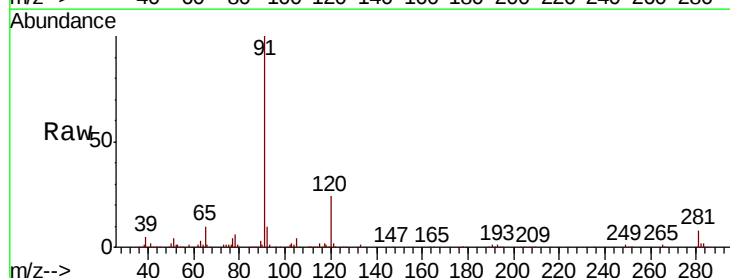
Acq: 27 Jul 2018 13:57

Tgt Ion: 91 Resp: 149355

Ion Ratio Lower Upper

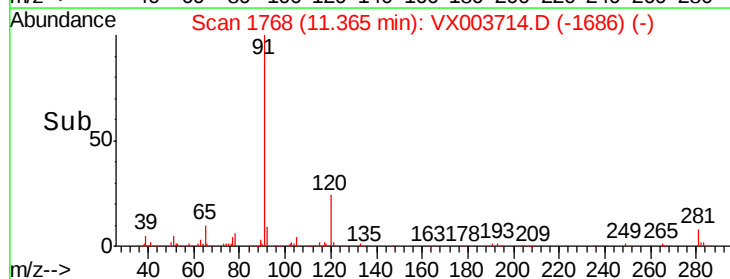
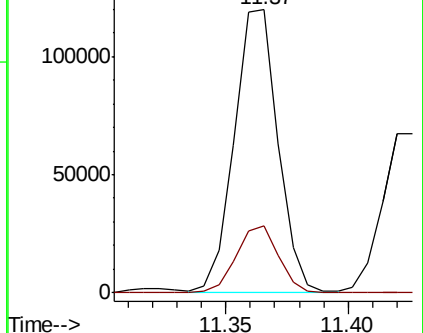
91 100

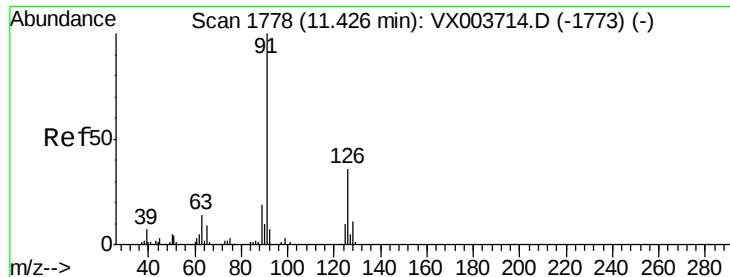
120 22.9 0.0 46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.228 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX003714.D

Acq: 27 Jul 2018 13:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 91 Resp: 89185

Ion Ratio Lower Upper

91 100

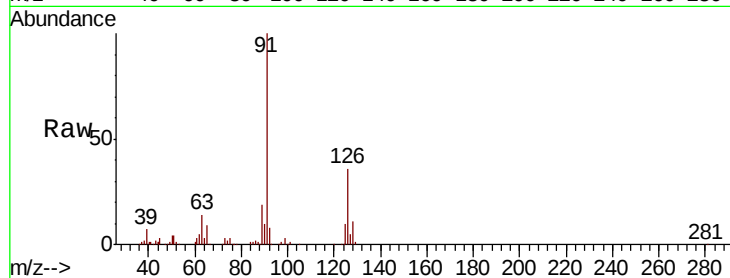
126 34.8 0.0 69.4

Manual Integrations

APPROVED

MMDadoda

7/30/2018 3:42:29 PM



Abundance Ion 91.00 (90.70 to 91.70): VX003714.D (-1773) (-)

Ion 126.00 (125.70 to 126.70): VX003714.D (-1773) (-)

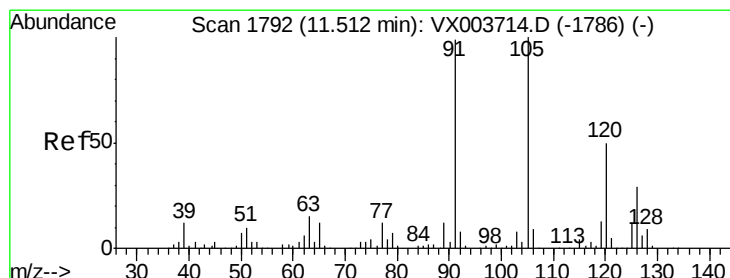
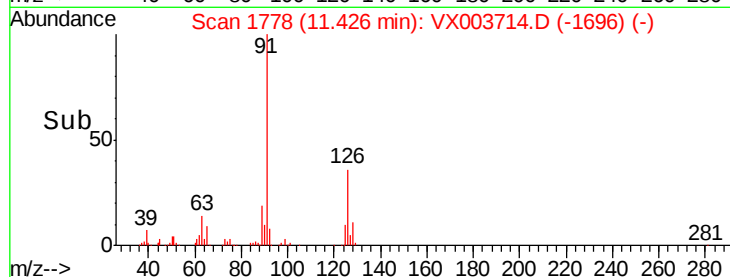
100000

50000

0

11.40 11.43 11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.069 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003714.D

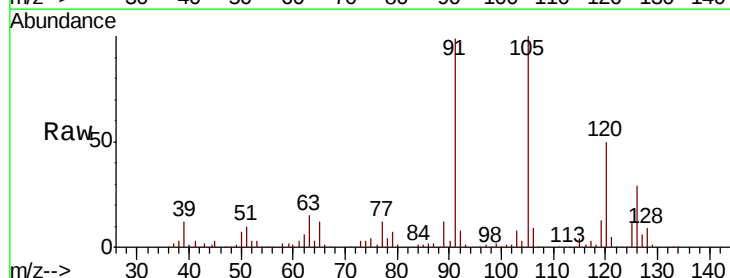
Acq: 27 Jul 2018 13:57

Tgt Ion: 105 Resp: 107430

Ion Ratio Lower Upper

105 100

120 49.2 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): VX003714.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX003714.D (-1786) (-)

100000

80000

60000

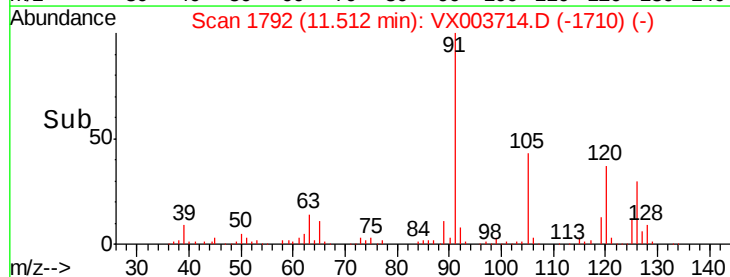
40000

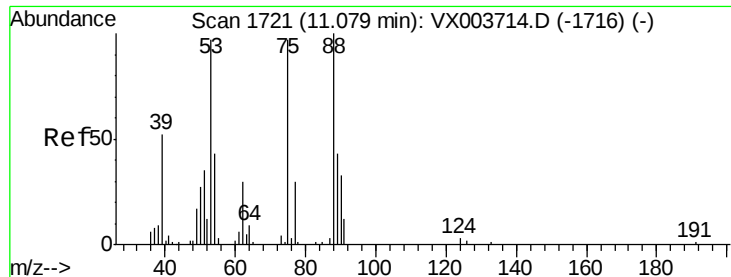
20000

0

11.45 11.50 11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 20.956 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003714.D

Acq: 27 Jul 2018 13:57

Instrument :

MSVOA_X

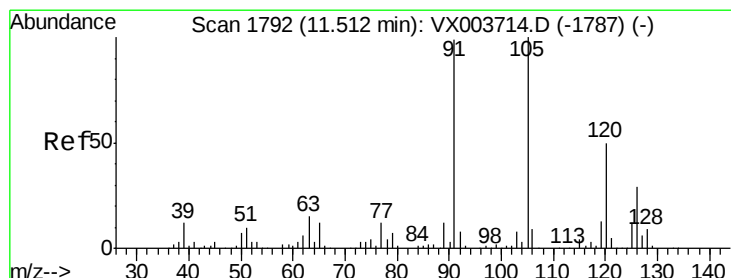
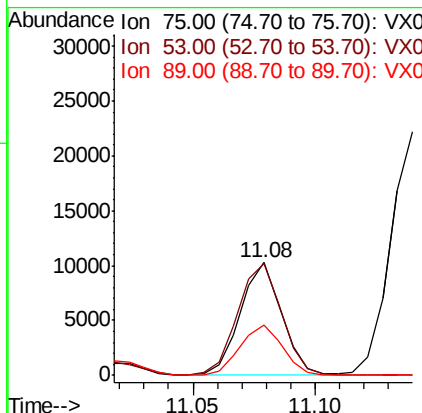
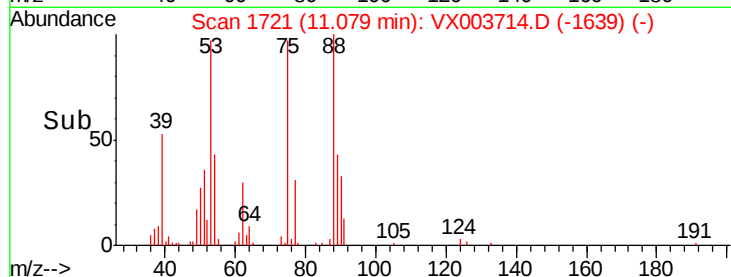
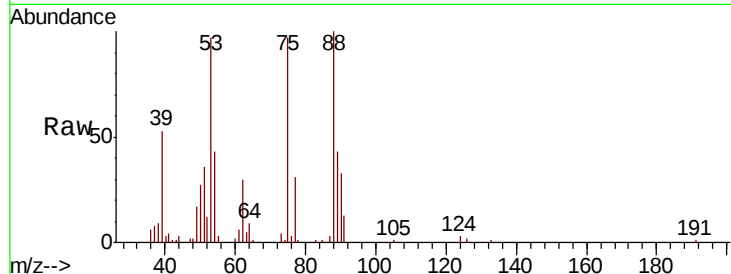
ClientSampleId :

VSTDICCC020

Tot Ion:	75	Resp:	12223
Ion	Ratio	Lower	Upper
75	100		
53	99.8	48.3	144.9
89	44.7	21.8	65.4

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:29 PM



#78

4-Chlorotoluene

Concen: 19.049 ug/l

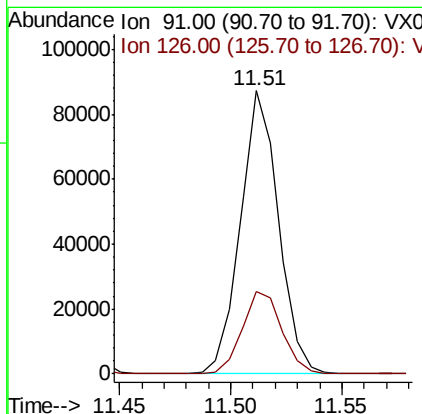
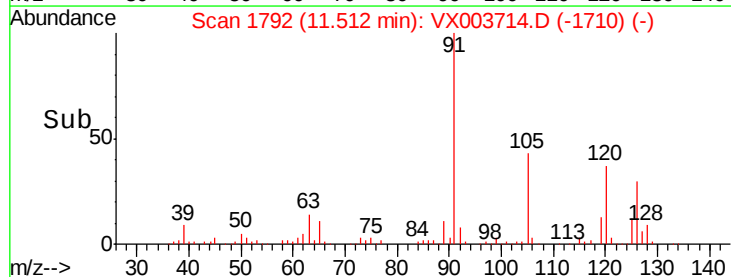
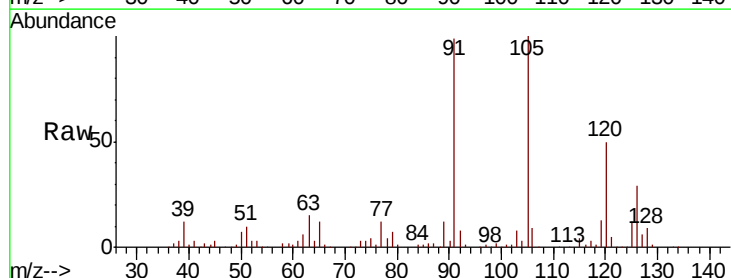
RT: 11.51 min Scan# 1792

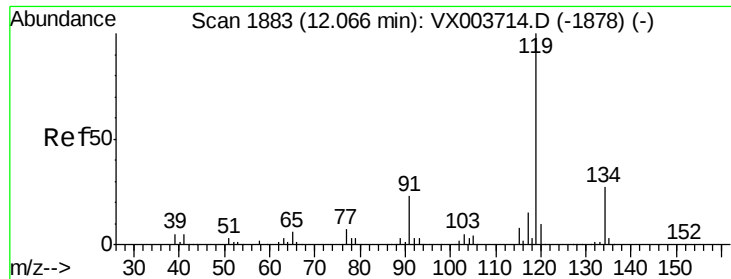
Delta R.T. 0.00 min

Lab File: VX003714.D

Acq: 27 Jul 2018 13:57

Tgt Ion:	91	Resp:	103213
Ion	Ratio	Lower	Upper
91	100		
126	30.5	0.0	61.0





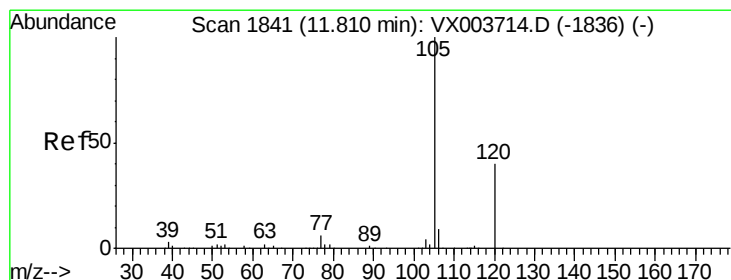
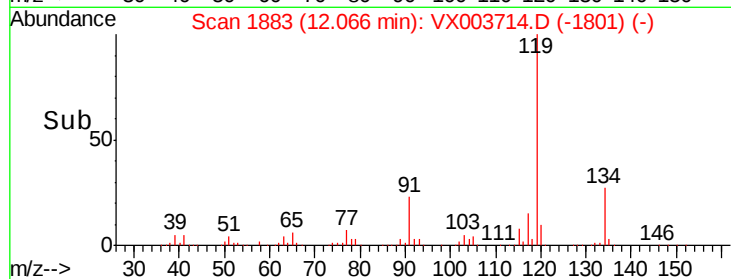
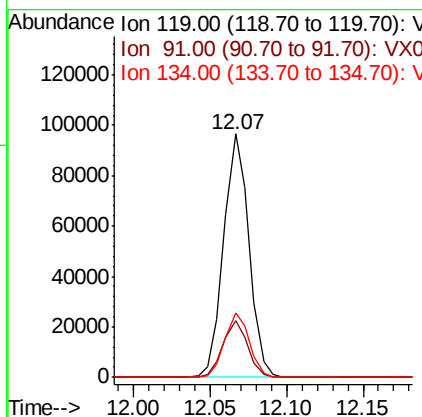
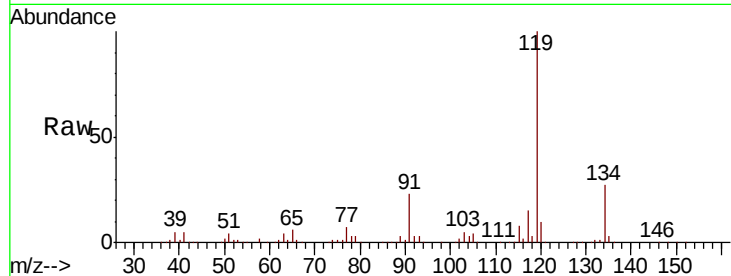
#79
tert-butylbenzene
Concen: 18.533 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	110577		
91	23.0	0.0	48.0	
134	26.1	0.0	52.6	

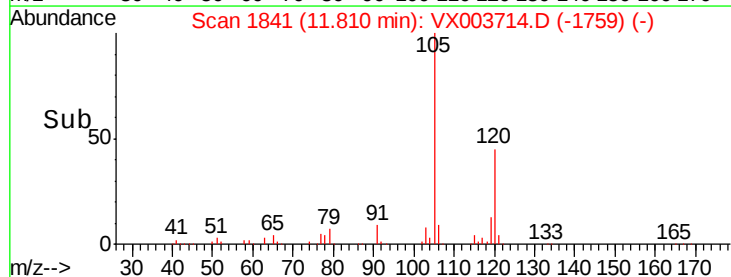
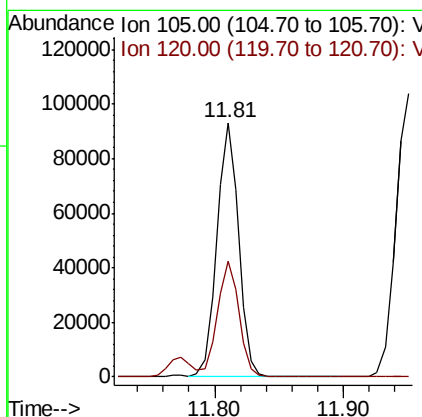
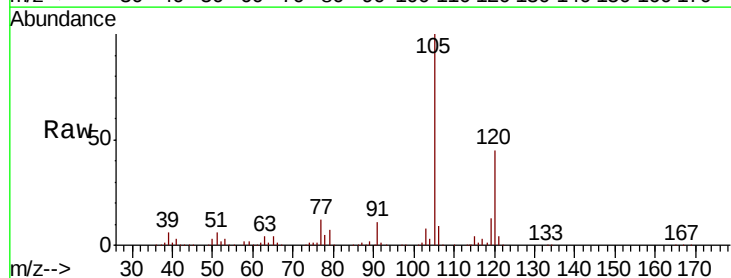
Manual Integrations
APPROVED

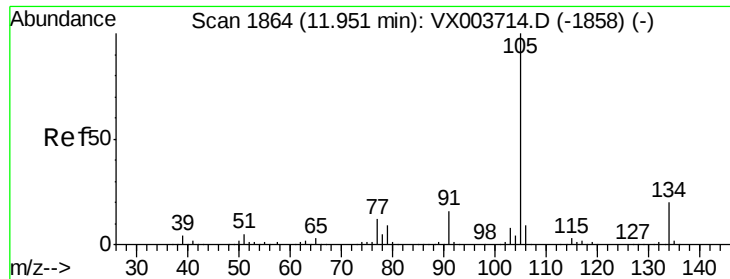
MMDadoda
7/30/2018 3:42:29 PM



#80
1,2,4-Trimethylbenzene
Concen: 19.330 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	110656		
120	45.0	0.0	89.2	





#81

sec-Butylbenzene

Concen: 18.653 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003714.D

Acq: 27 Jul 2018 13:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:105 Resp: 124325

Ion Ratio Lower Upper

105 100

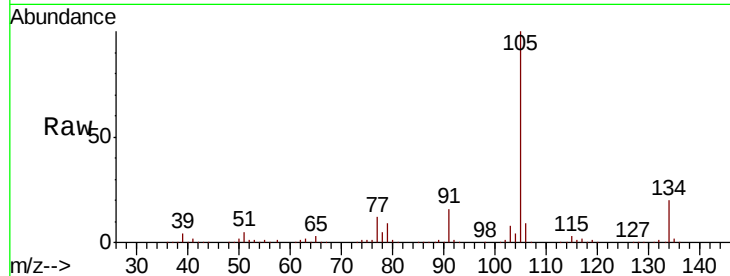
134 20.1 0.0 41.6

Manual Integrations

APPROVED

MMDadoda

7/30/2018 3:42:29 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

100000

80000

60000

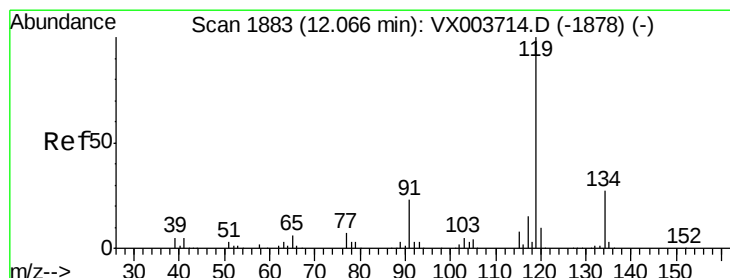
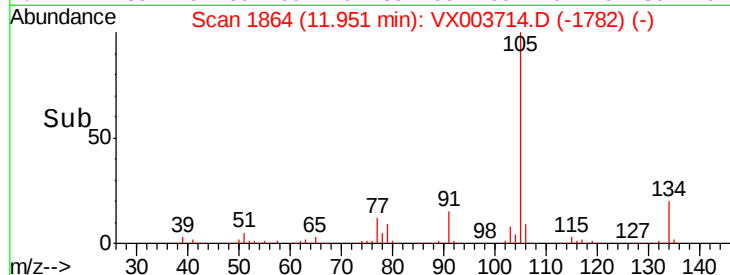
40000

20000

0

Time-->

11.90 11.95 12.00



#82

p-Isopropyltoluene

Concen: 18.533 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003714.D

Acq: 27 Jul 2018 13:57

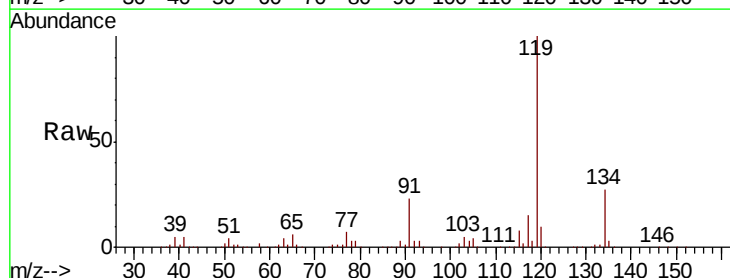
Tgt Ion:119 Resp: 110577

Ion Ratio Lower Upper

119 100

134 26.1 0.0 52.6

91 23.0 0.0 48.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

100000

80000

60000

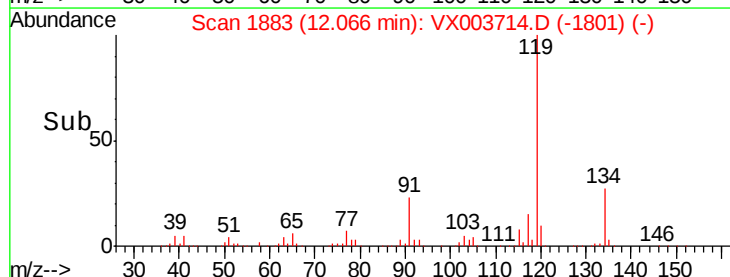
40000

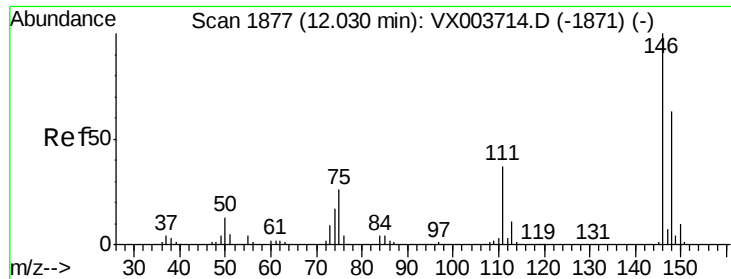
20000

0

Time-->

12.00 12.05 12.10 12.15





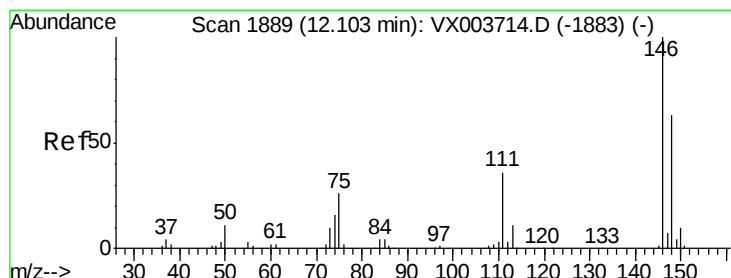
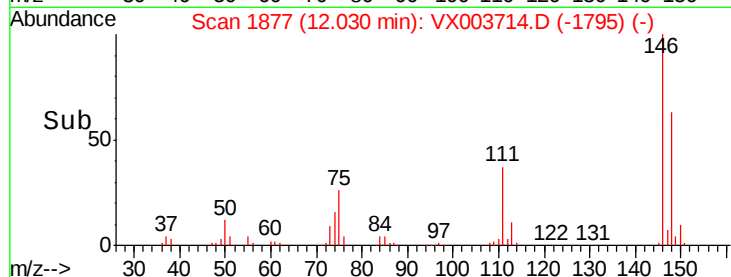
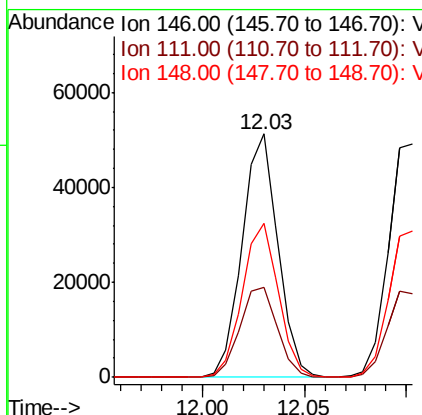
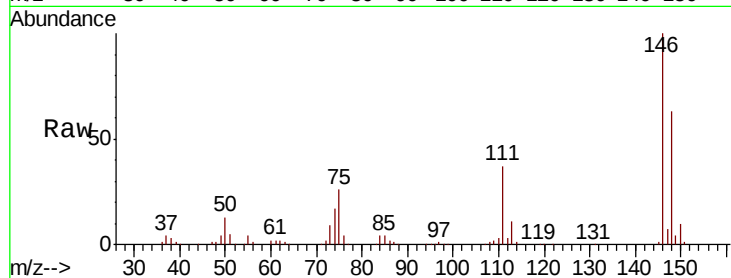
#83
 1,3-Dichlorobenzene
 Concen: 18.247 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003714.D
 Acq: 27 Jul 2018 13:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.5
148	63.7	31.9	95.7

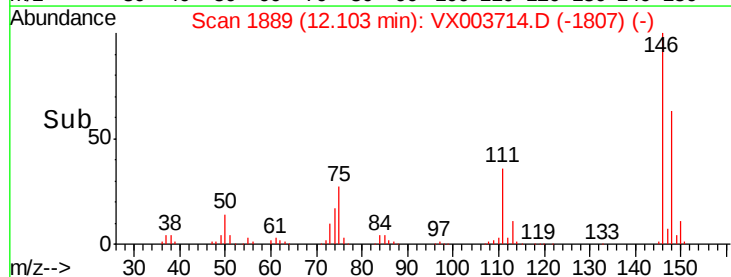
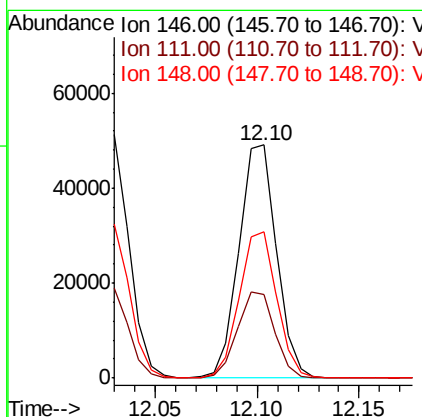
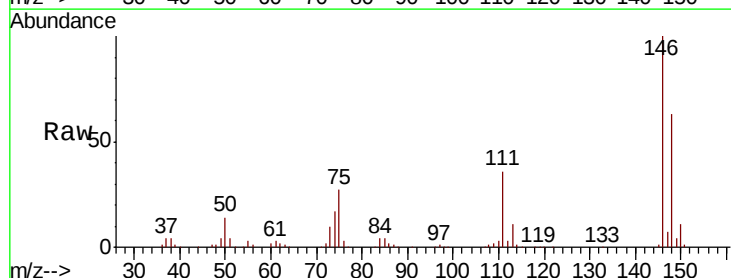
Manual Integrations
 APPROVED

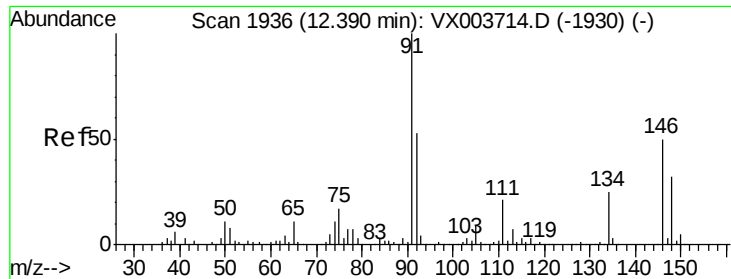
MMDadoda
 7/30/2018 3:42:29 PM



#84
 1,4-Dichlorobenzene
 Concen: 18.237 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX003714.D
 Acq: 27 Jul 2018 13:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.5	55.5
148	62.5	32.0	96.0





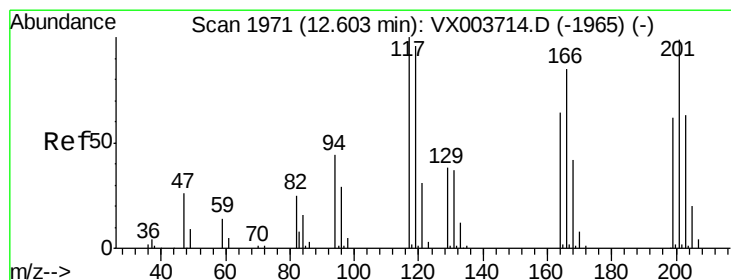
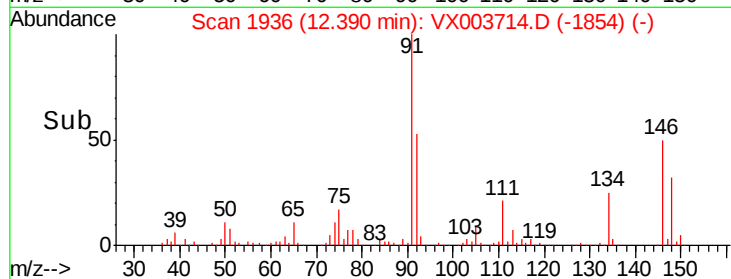
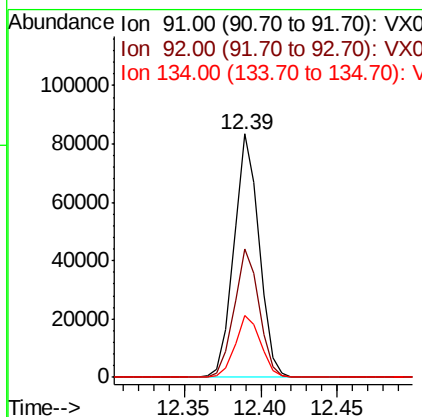
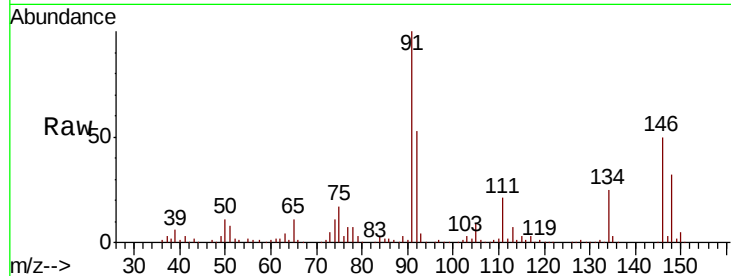
#85
n-Butylbenzene
Concen: 18.091 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	0.0	105.2
134	25.7	0.0	53.2

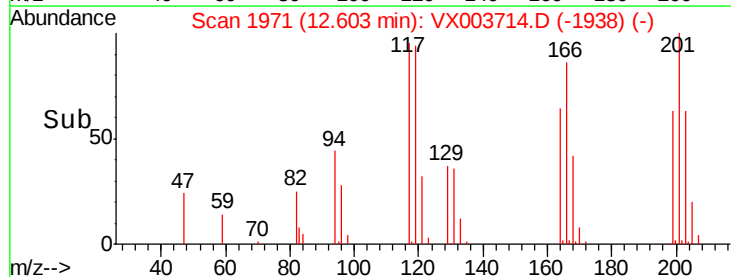
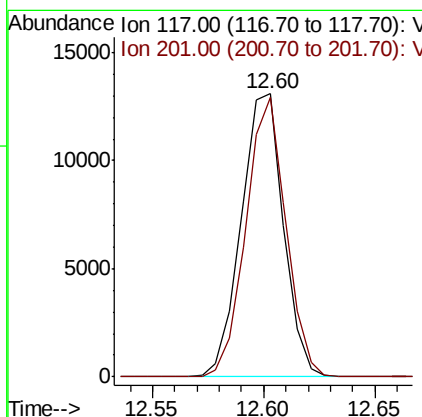
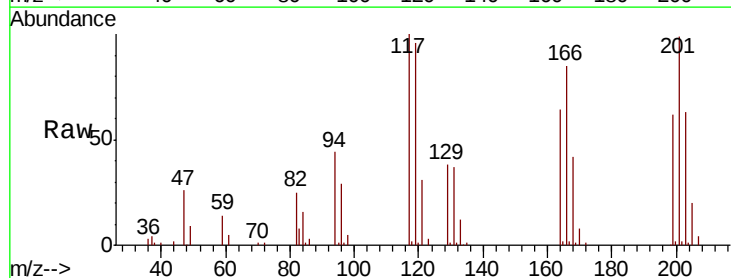
Manual Integrations
APPROVED

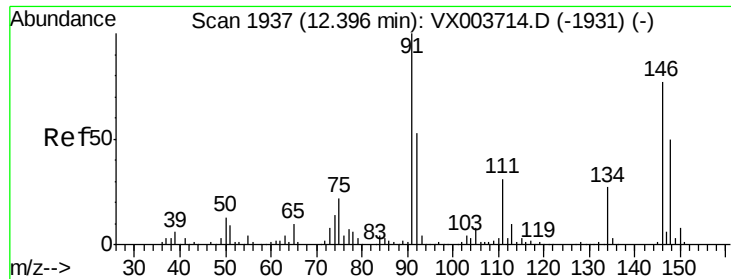
MMDadoda
7/30/2018 3:42:29 PM



#86
Hexachloroethane
Concen: 19.751 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.0	47.6	142.8





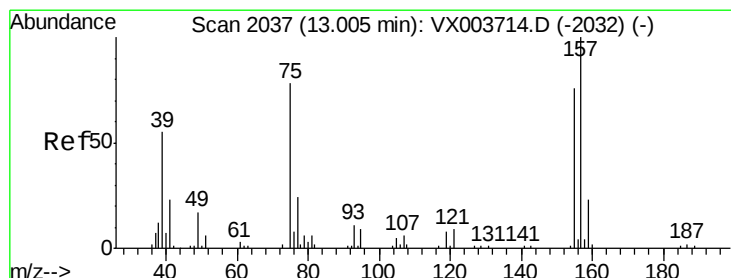
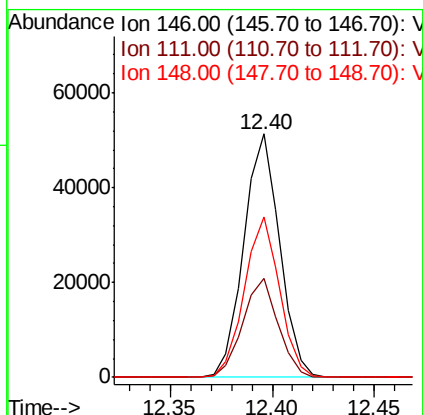
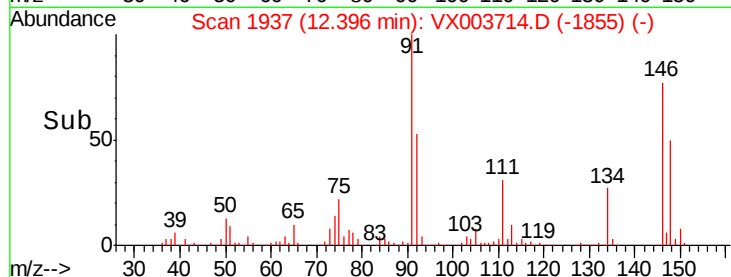
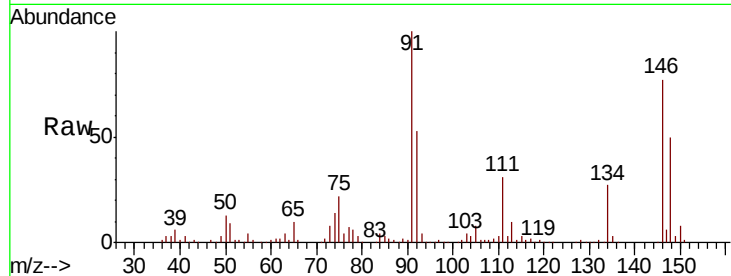
#87
 1,2-Dichlorobenzene
 Concen: 18.311 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003714.D
 Acq: 27 Jul 2018 13:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	64.4	32.8	98.3

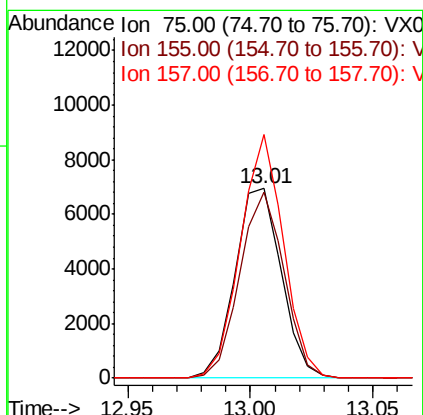
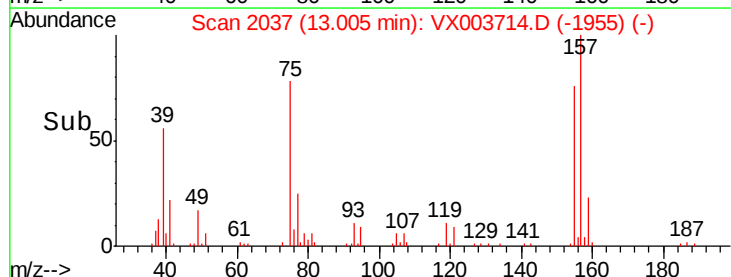
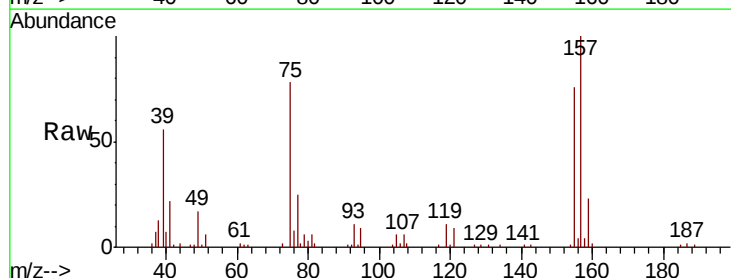
Manual Integrations
 APPROVED

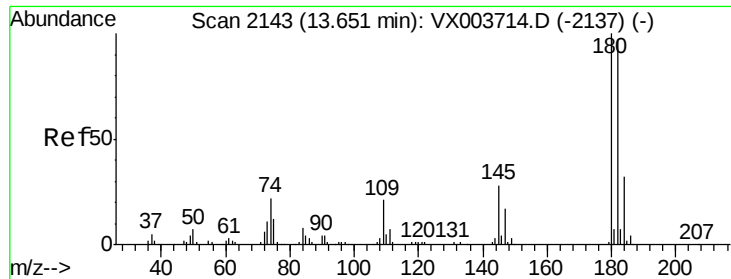
MMDadoda
 7/30/2018 3:42:29 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 21.155 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003714.D
 Acq: 27 Jul 2018 13:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.0	73.1	109.7
157	119.0	93.1	139.7





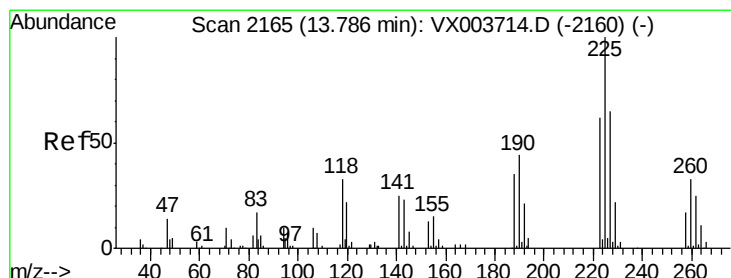
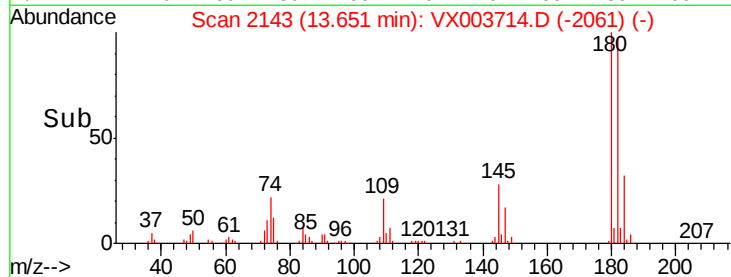
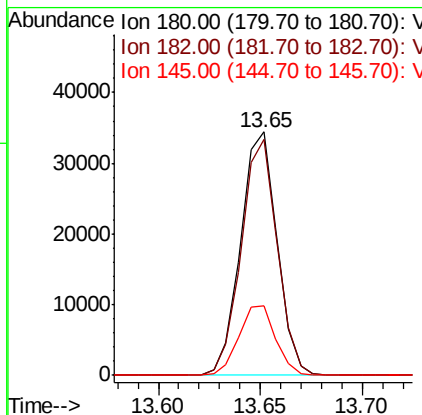
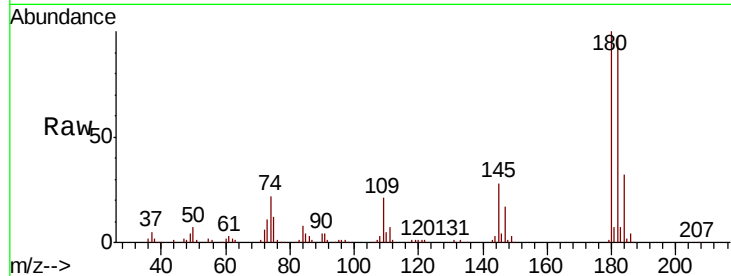
#89
1,2,4-Trichlorobenzene
Concen: 17.386 ug/l
RT: 13.65 min Scan# 2143
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.4	114.6
145	28.9	22.9	34.3

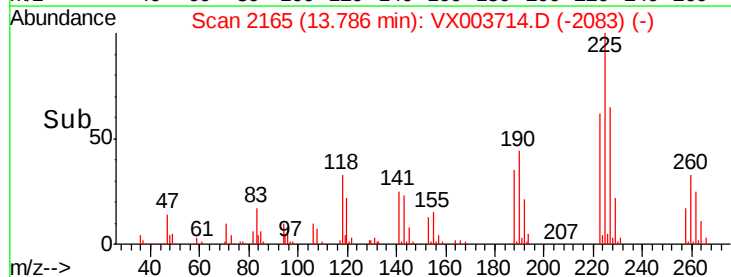
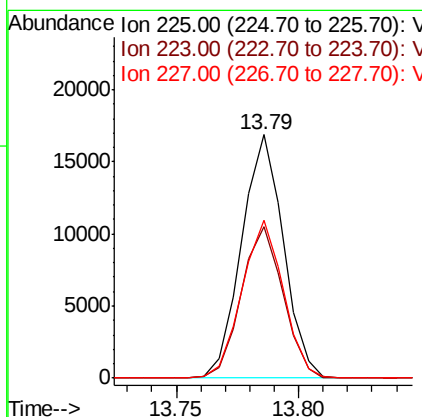
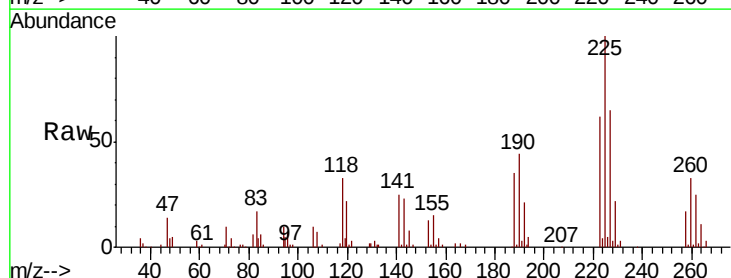
Manual Integrations
APPROVED

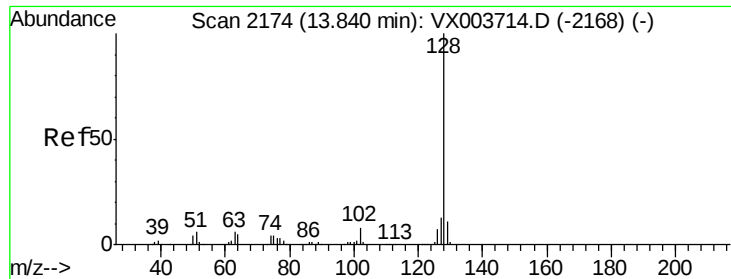
MMDadoda
7/30/2018 3:42:29 PM



#90
Hexachlorobutadiene
Concen: 16.629 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	0.0	122.4
227	64.2	0.0	128.0





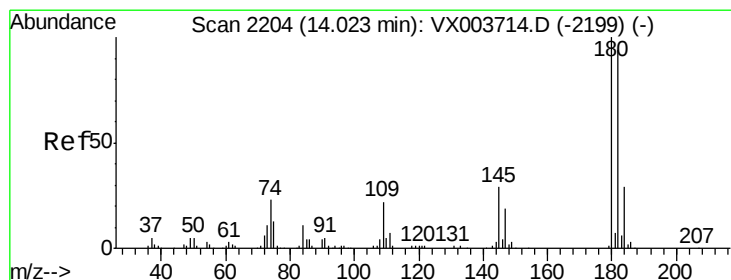
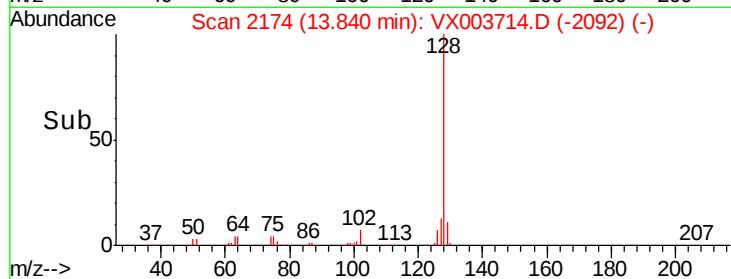
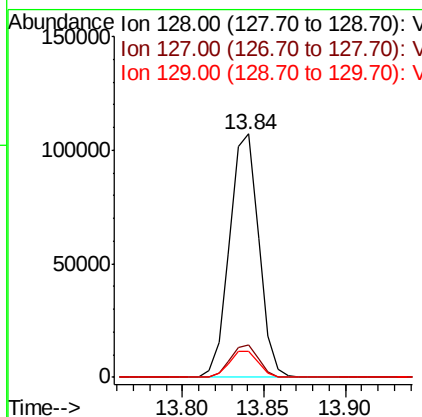
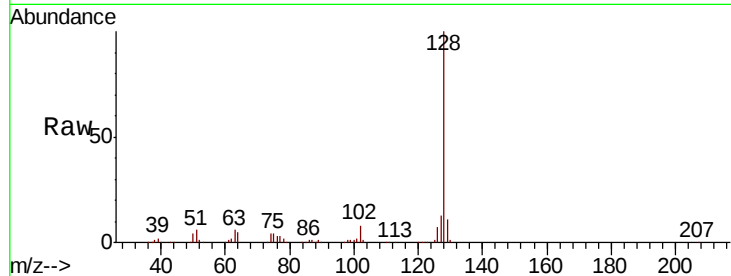
#91
Naphthalene
Concen: 18.905 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	134170		
127	13.0		10.3	15.5
129	10.9		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:29 PM



#92
1,2,3-Trichlorobenzene
Concen: 18.120 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003714.D
Acq: 27 Jul 2018 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	45206		
182	96.6		0.0	191.0
145	30.0		0.0	60.6

