

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042919\
 Data File : VX009202.D
 Acq On : 29 Apr 2019 12:33
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:03:26 AM

Quant Time: Apr 30 06:53:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 06:38:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	198434	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	322559	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	289447	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	136365	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	52222	18.57	ug/l	0.00
Spiked Amount						
			Recovery	=	37.14%	
35) Dibromofluoromethane	5.49	113	39375	18.95	ug/l	0.00
Spiked Amount						
			Recovery	=	37.90%	
50) Toluene-d8	8.71	98	161719	19.47	ug/l	0.00
Spiked Amount						
			Recovery	=	38.94%	
62) 4-Bromofluorobenzene	11.13	95	56217	19.10	ug/l	0.00
Spiked Amount						
			Recovery	=	38.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	36339	16.511	ug/l	100
3) Chloromethane	1.32	50	48848	17.622	ug/l	100
4) Vinyl Chloride	1.40	62	47431	17.626	ug/l	98
5) Bromomethane	1.64	94	26237	14.959	ug/l	94
6) Chloroethane	1.72	64	30386	19.027	ug/l	97
7) Trichlorofluoromethane	1.93	101	57182	18.090	ug/l	98
8) Diethyl Ether	2.18	74	27099	18.631	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	36270	17.910	ug/l	99
10) Methyl Iodide	2.51	142	34308	17.117	ug/l	99
11) Tert butyl alcohol	3.04	59	60126	96.249	ug/l	98
12) 1,1-Dichloroethene	2.37	96	37121	17.625	ug/l	94
13) Acrolein	2.29	56	57451	106.764	ug/l	99
14) Allyl chloride	2.73	41	85618	18.548	ug/l	99
15) Acrylonitrile	3.14	53	146258	93.242	ug/l	100
16) Acetone	2.44	43	145471	100.571	ug/l	100
17) Carbon Disulfide	2.57	76	101620	15.661	ug/l	100
18) Methyl Acetate	2.77	43	65431	18.092	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	139145	18.421	ug/l	98
20) Methylene Chloride	2.85	84	44330	17.875	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	38701	17.212	ug/l	98
22) Diisopropyl ether	3.85	45	168485	18.705	ug/l	98
23) Vinyl Acetate	3.81	43	739098	93.861	ug/l	100
24) 1,1-Dichloroethane	3.70	63	82308	18.243	ug/l	98
25) 2-Butanone	4.67	43	225227	97.560	ug/l	99
26) 2,2-Dichloropropane	4.58	77	60266	17.811	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	46351	18.085	ug/l	98
28) Bromochloromethane	5.01	49	34536	16.285	ug/l	98
29) Tetrahydrofuran	5.12	42	140561	91.059	ug/l	99
30) Chloroform	5.21	83	75110	18.592	ug/l	96
31) Cyclohexane	5.58	56	79341	17.980	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	62031	18.550	ug/l	99
36) 1,1-Dichloropropene	5.80	75	56224	17.011	ug/l	99
37) Ethyl Acetate	4.83	43	81292	19.107	ug/l	100
38) Carbon Tetrachloride	5.78	117	51839	18.415	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042919\
 Data File : VX009202.D
 Acq On : 29 Apr 2019 12:33
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:03:26 AM

Quant Time: Apr 30 06:53:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 06:38:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	69762	17.357	ug/l	99
40) Benzene	6.14	78	178652	18.262	ug/l	98
41) Methacrylonitrile	5.04	41	46242	18.838	ug/l	99
42) 1,2-Dichloroethane	6.19	62	63938	18.446	ug/l	99
43) Isopropyl Acetate	6.44	43	125945	18.303	ug/l	100
44) Trichloroethene	7.21	130	41185	17.205	ug/l	99
45) 1,2-Dichloropropane	7.51	63	49880	18.350	ug/l	98
46) Dibromomethane	7.66	93	28562	18.075	ug/l	99
47) Bromodichloromethane	7.90	83	57200	18.414	ug/l	99
48) Methyl methacrylate	7.77	41	62303	18.328	ug/l	99
49) 1,4-Dioxane	7.74	88	25508	392.397	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	416936	94.755	ug/l	100
52) Toluene	8.78	92	107317	18.263	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	64441	18.122	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	71785	17.965	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	44208	18.931	ug/l	99
56) Ethyl methacrylate	9.18	69	77373	18.502	ug/l	99
57) 1,3-Dichloropropane	9.37	76	76055	18.349	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	213915	94.702	ug/l	100
59) 2-Hexanone	9.49	43	330950	97.051	ug/l	99
60) Dibromochloromethane	9.58	129	42409	18.951	ug/l	99
61) 1,2-Dibromoethane	9.67	107	44147	18.394	ug/l	99
64) Tetrachloroethene	9.34	164	38081	17.514	ug/l	97
65) Chlorobenzene	10.13	112	110205	18.061	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	39529	18.402	ug/l	99
67) Ethyl Benzene	10.25	91	203894	18.300	ug/l	98
68) m/p-Xylenes	10.36	106	148862	36.657	ug/l	99
69) o-Xylene	10.69	106	73412	18.579	ug/l	99
70) Styrene	10.71	104	126033	18.366	ug/l	99
71) Bromoform	10.85	173	30905	18.021	ug/l #	98
73) Isopropylbenzene	11.02	105	193811	18.868	ug/l	99
74) N-amyl acetate	10.90	43	110594	18.653	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	70730	18.736	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	62336m	18.794	ug/l	
77) Bromobenzene	11.26	156	47440	18.299	ug/l	99
78) n-propylbenzene	11.36	91	221055	18.788	ug/l	99
79) 2-Chlorotoluene	11.42	91	133261	18.747	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	165072	19.138	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	22984	17.962	ug/l	97
82) 4-Chlorotoluene	11.51	91	152253	18.457	ug/l	99
83) tert-Butylbenzene	11.77	119	155594	18.729	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	164667	18.741	ug/l	99
85) sec-Butylbenzene	11.94	105	186398	18.854	ug/l	100
86) p-Isopropyltoluene	12.06	119	168493	18.550	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	82821	18.180	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	83637	18.101	ug/l	99
89) n-Butylbenzene	12.38	91	148098	17.610	ug/l	100
90) Hexachloroethane	12.59	117	27835	18.557	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	83854	18.546	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16039	18.572	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042919\
Data File : VX009202.D
Acq On : 29 Apr 2019 12:33
Operator : JC/SP
Sample : VSTDICC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:26 AM

Quant Time: Apr 30 06:53:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 06:38:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	58804	18.114	ug/l	98
94) Hexachlorobutadiene	13.78	225	28451	17.563	ug/l	98
95) Naphthalene	13.83	128	200685	19.226	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	61274	19.043	ug/l	99

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

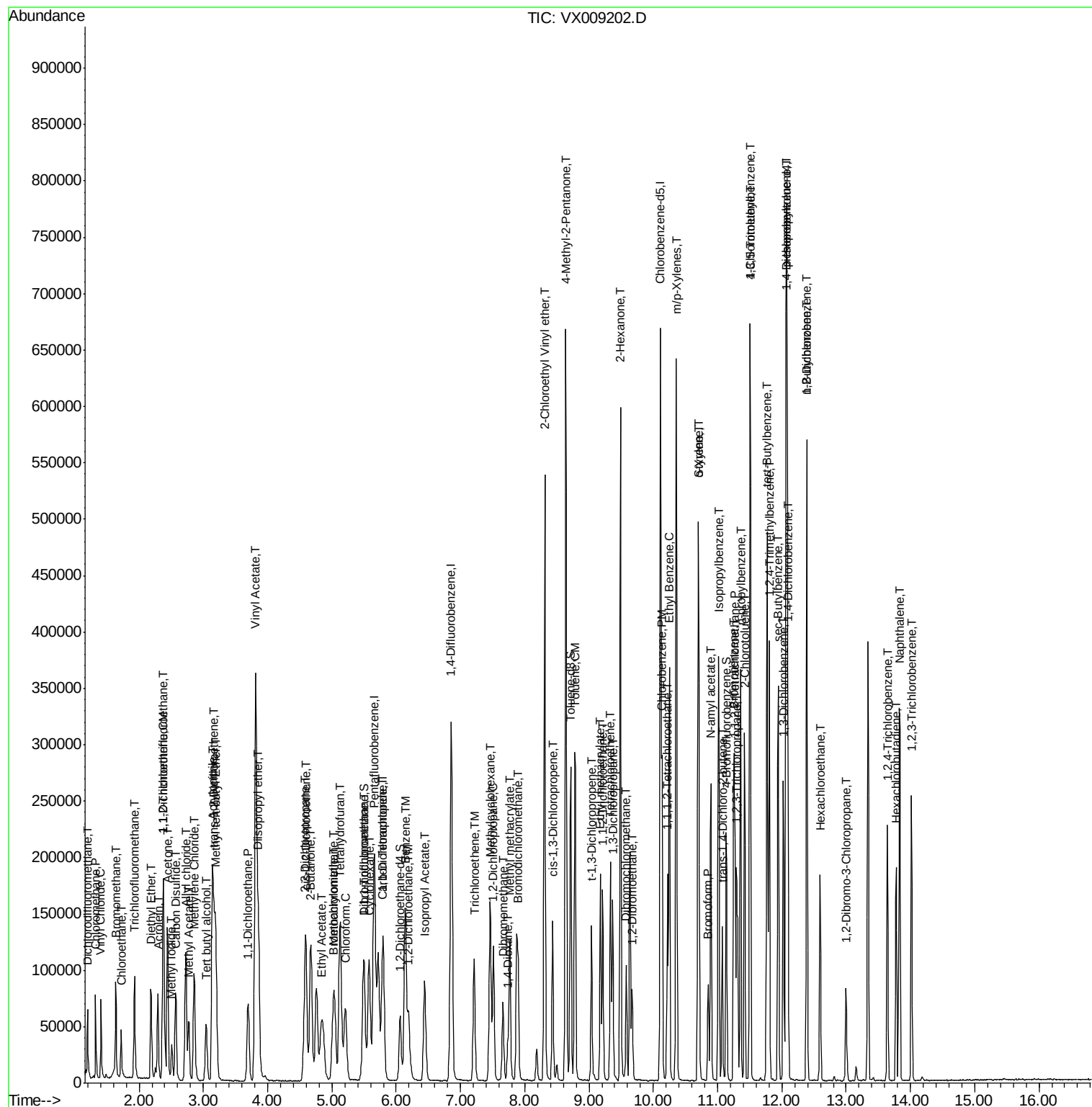
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042919\
 Data File : VX009202.D
 Acq On : 29 Apr 2019 12:33
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

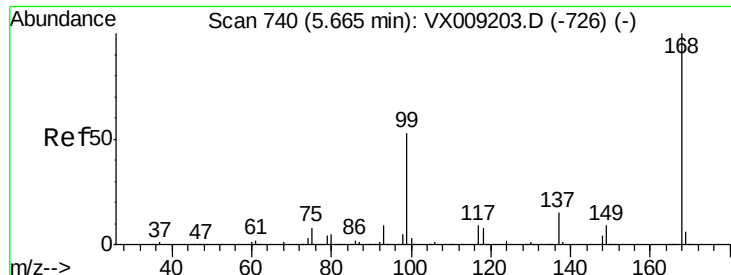
Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:03:26 AM

Quant Time: Apr 30 06:53:11 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 06:38:58 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 198434

Ion Ratio Lower Upper

168 100

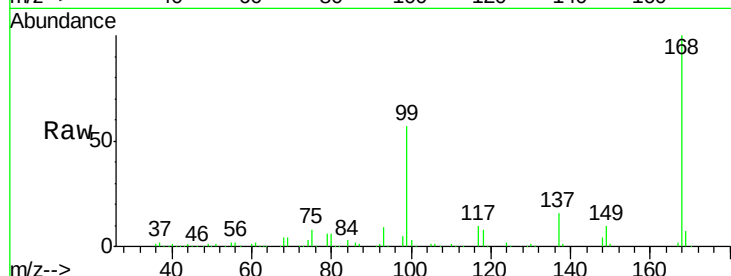
99 56.9 42.3 63.5

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:03:26 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

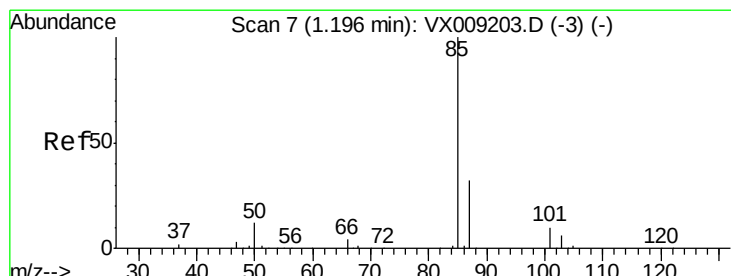
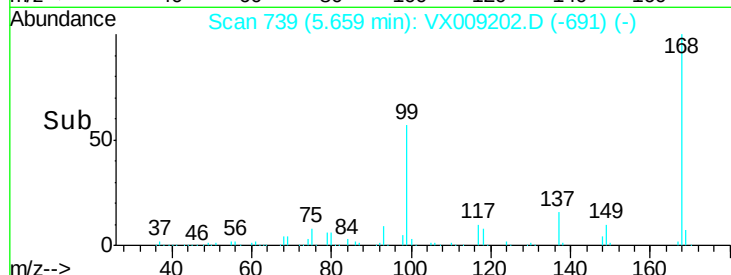
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.511 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009202.D

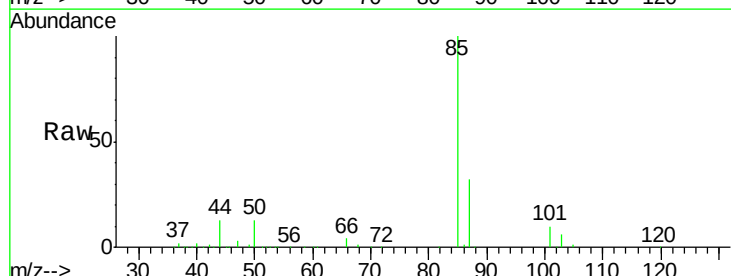
Acq: 29 Apr 2019 12:33

Tgt Ion: 85 Resp: 36339

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

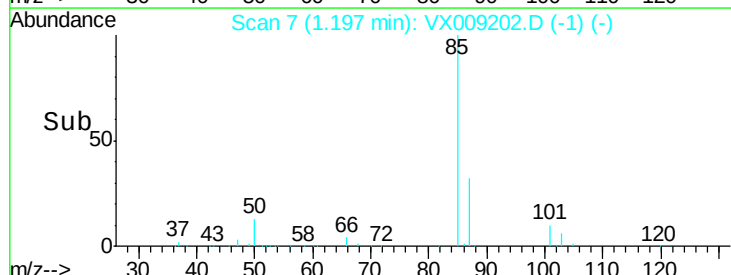
30000

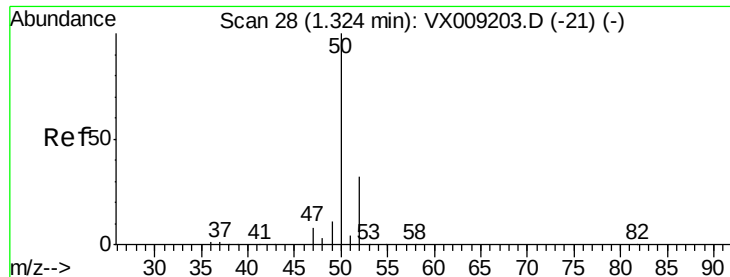
20000

10000

0

Time-->





#3

Chloromethane

Concen: 17.622 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 50 Resp: 48848

Ion Ratio Lower Upper

50 100

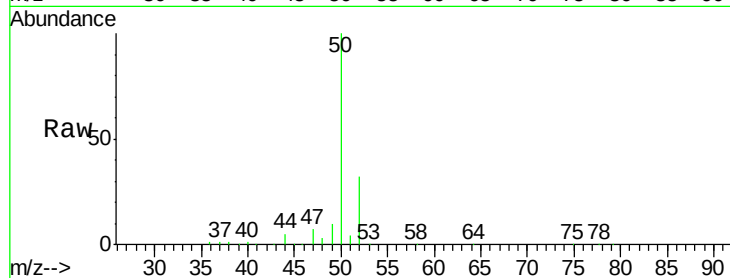
52 32.4 25.9 38.9

Manual Integrations

APPROVED

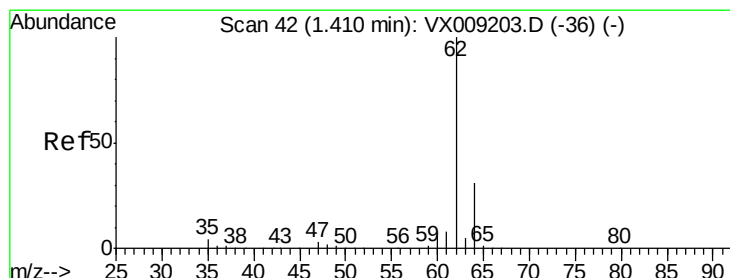
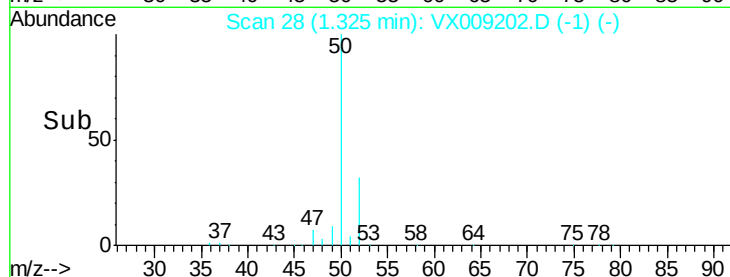
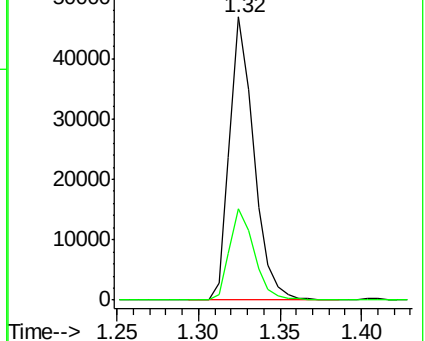
MMDadoda

4/30/2019 11:03:26 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.626 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009202.D

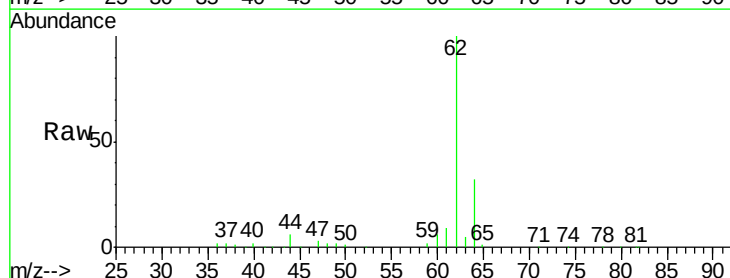
Acq: 29 Apr 2019 12:33

Tgt Ion: 62 Resp: 47431

Ion Ratio Lower Upper

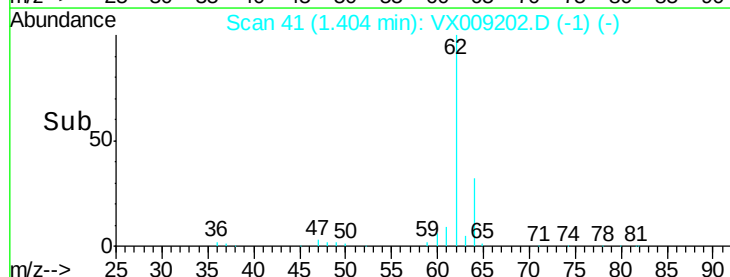
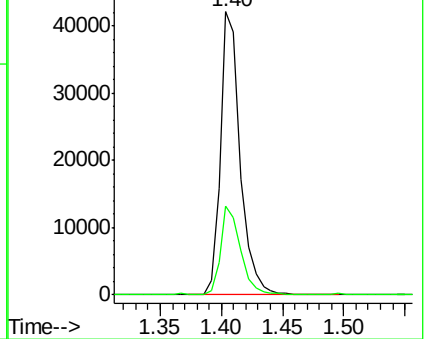
62 100

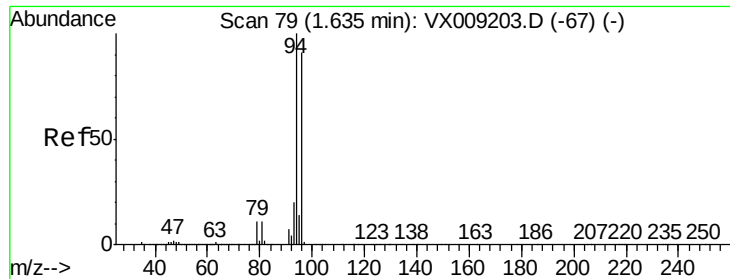
64 31.5 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 14.959 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 26237

Ion Ratio Lower Upper

94 100

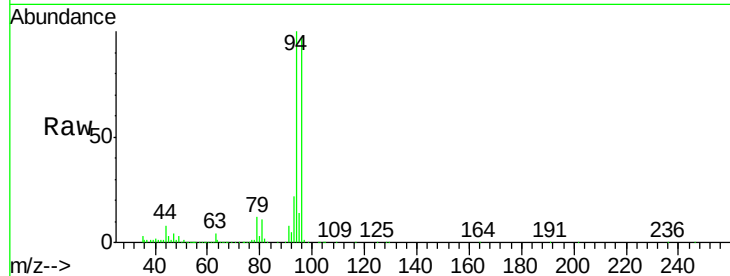
96 96.5 73.0 109.6

Manual Integrations

APPROVED

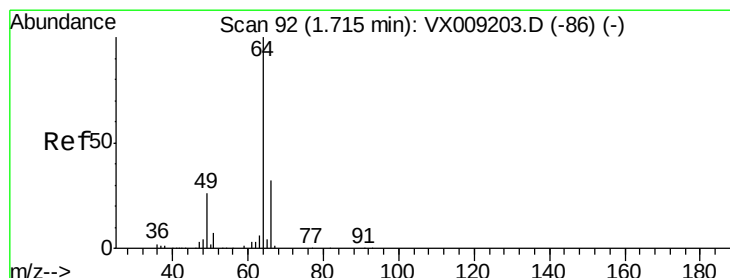
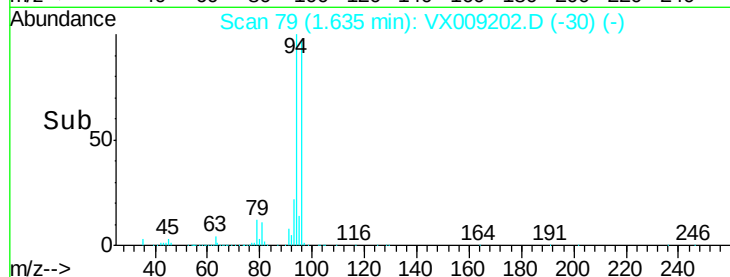
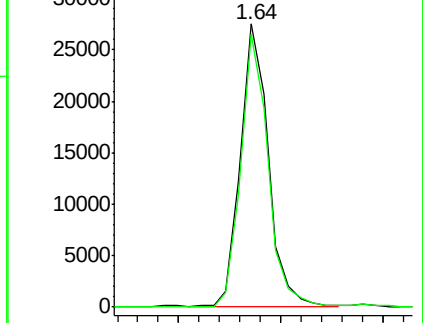
MMDadoda

4/30/2019 11:03:26 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.027 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009202.D

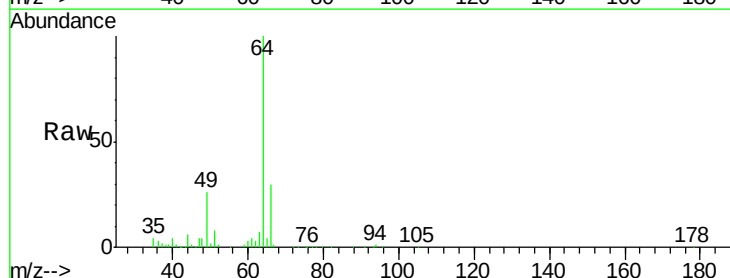
Acq: 29 Apr 2019 12:33

Tgt Ion: 64 Resp: 30386

Ion Ratio Lower Upper

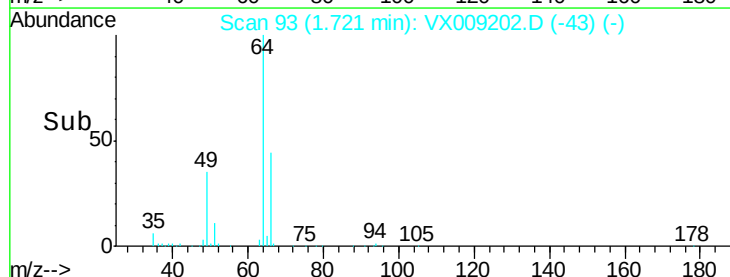
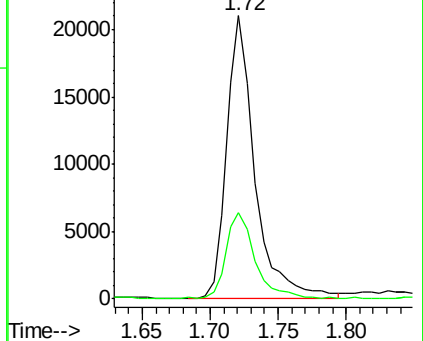
64 100

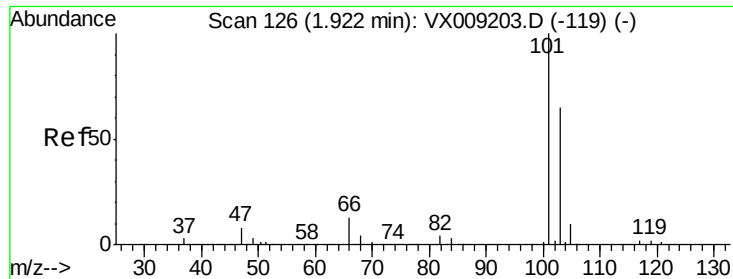
66 30.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

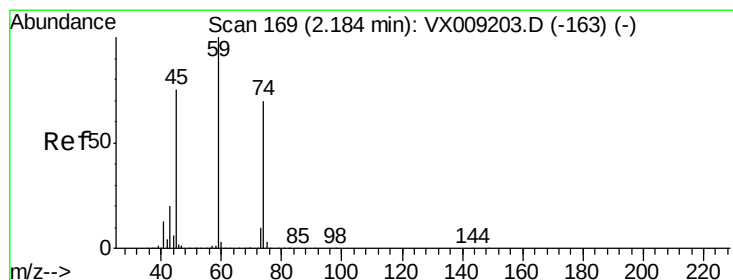
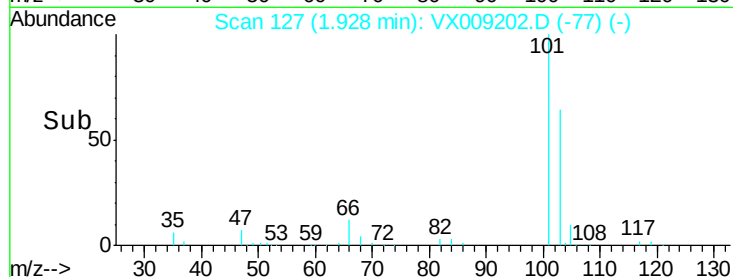
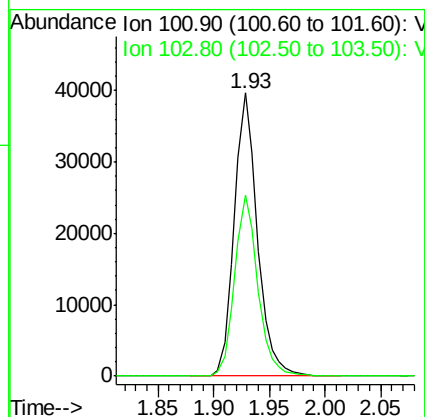
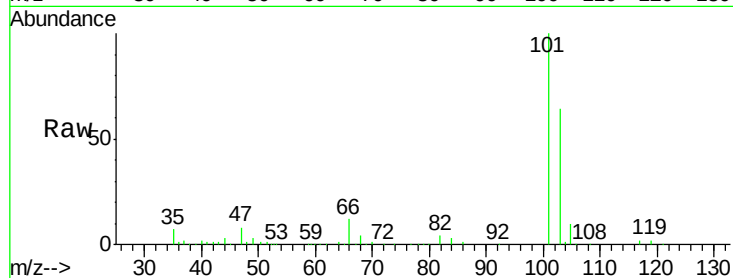
Trichlorofluoromethane
 Concen: 18.090 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009202.D
 Acq: 29 Apr 2019 12:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	101	Resp	57182
Ion Ratio	Lower	Upper	
101	100		
103	64.0	52.4	78.6

Manual Integrations
 APPROVED

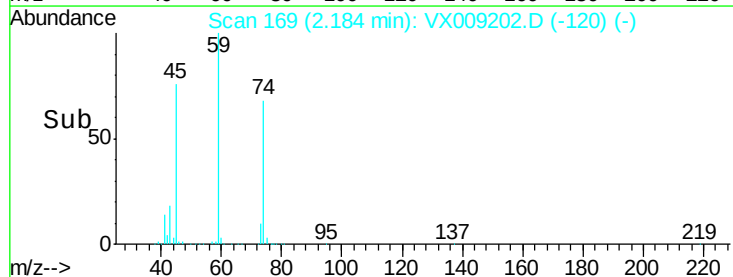
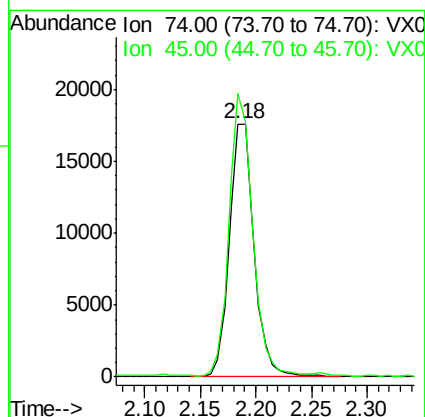
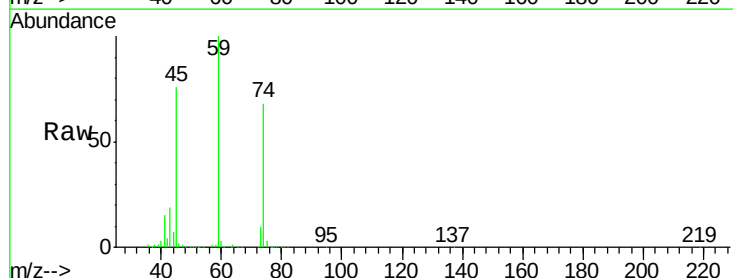
MMDadoda
 4/30/2019 11:03:26 AM

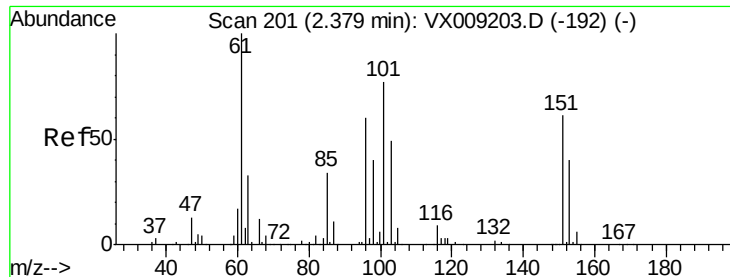


#8

Diethyl Ether
 Concen: 18.631 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX009202.D
 Acq: 29 Apr 2019 12:33

Tgt Ion	74	Resp	27099
Ion Ratio	Lower	Upper	
74	100		
45	105.8	53.3	159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.910 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Instrument :

MSVOA_X

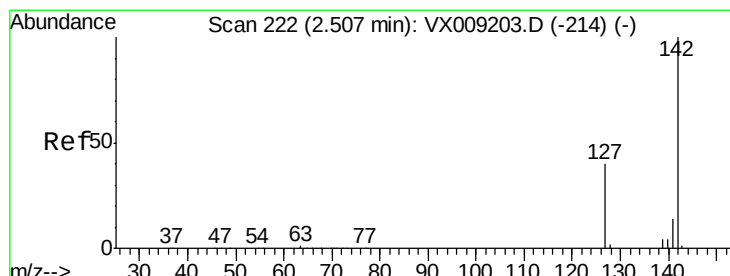
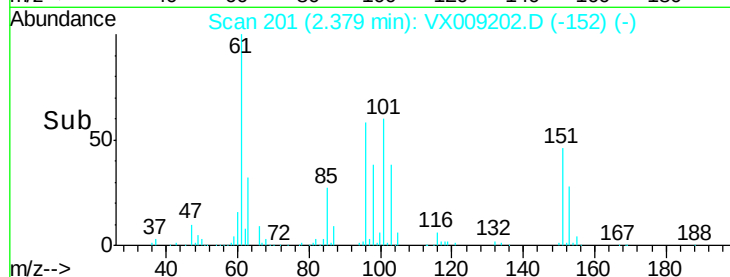
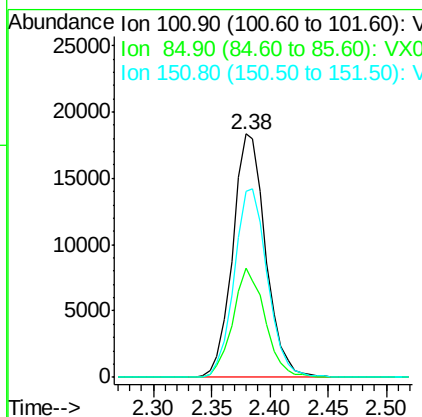
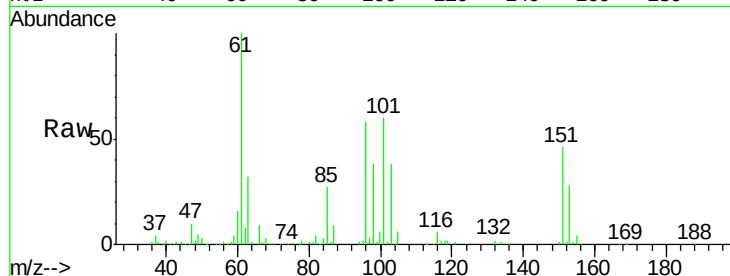
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	36270
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.7	53.5
151	78.1	62.2	93.2

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:26 AM



#10

Methyl Iodide

Concen: 17.117 ug/l

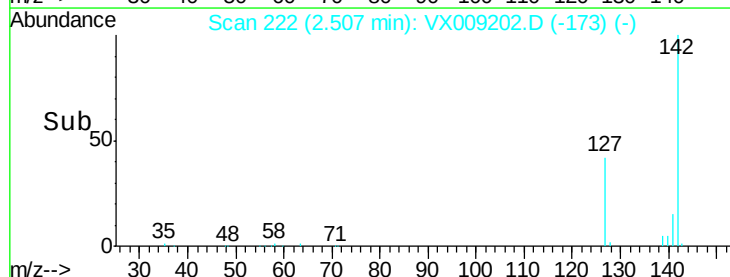
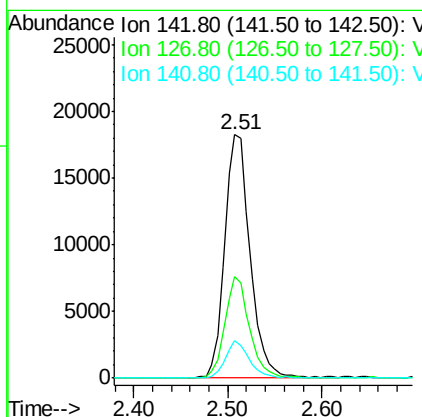
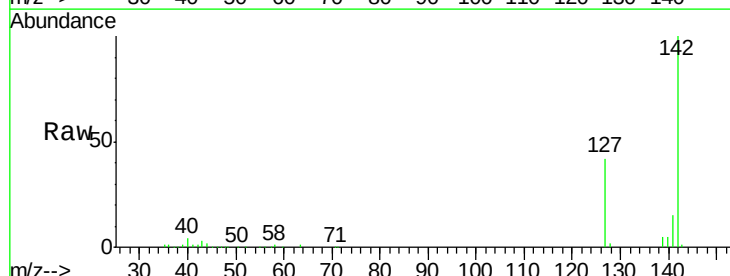
RT: 2.51 min Scan# 222

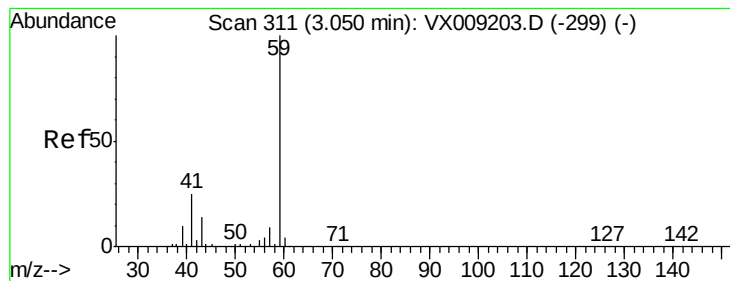
Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Tgt Ion:	142	Resp:	34308
Ion Ratio	Lower	Upper	
142	100		
127	39.8	32.7	49.1
141	14.3	11.5	17.3





#11

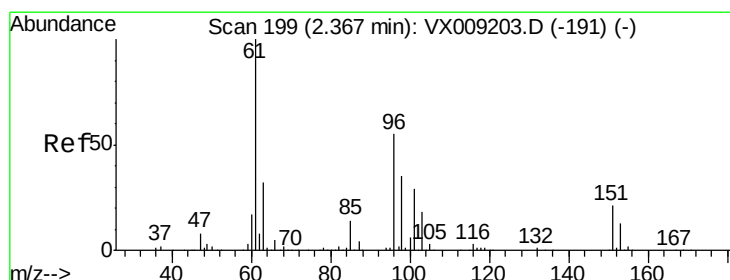
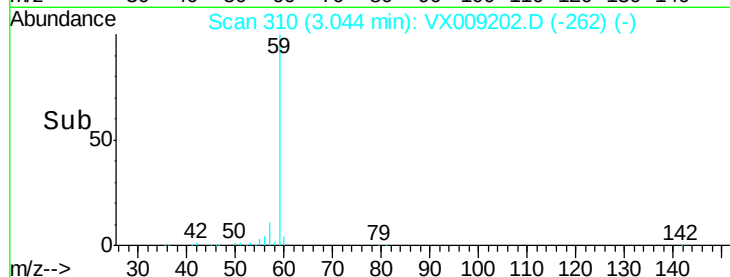
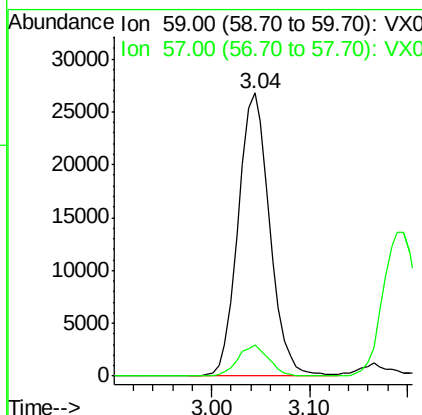
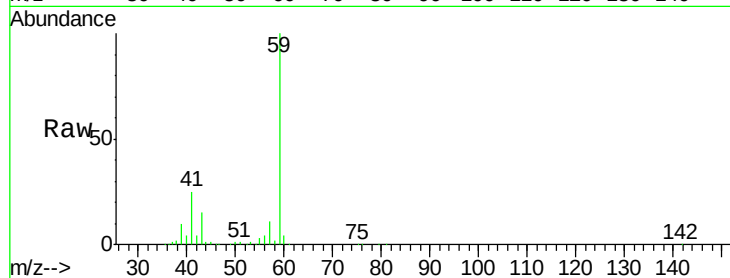
Tert butyl alcohol
 Concen: 96.249 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX009202.D
 Acq: 29 Apr 2019 12:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.2	12.2

Manual Integrations
 APPROVED

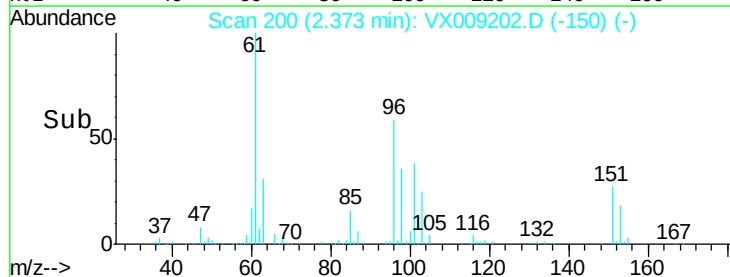
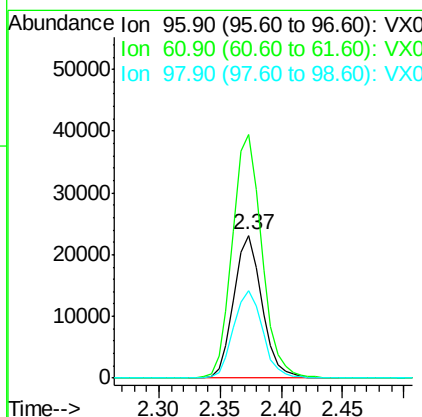
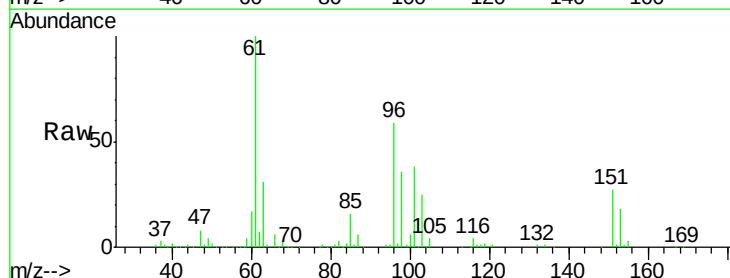
MMDadoda
 4/30/2019 11:03:26 AM

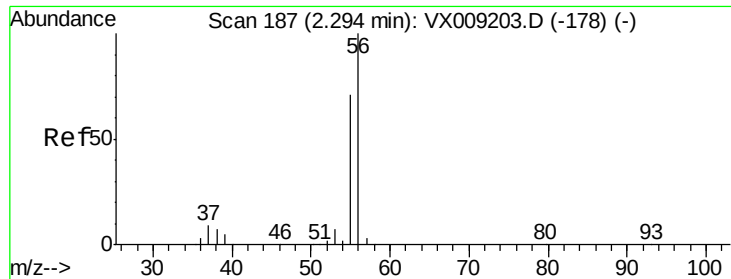


#12

1,1-Dichloroethene
 Concen: 17.625 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX009202.D
 Acq: 29 Apr 2019 12:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.9	144.3	216.5
98	61.3	50.3	75.5





#13

Acrolein

Concen: 106.764 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 57451

Ion Ratio Lower Upper

56 100

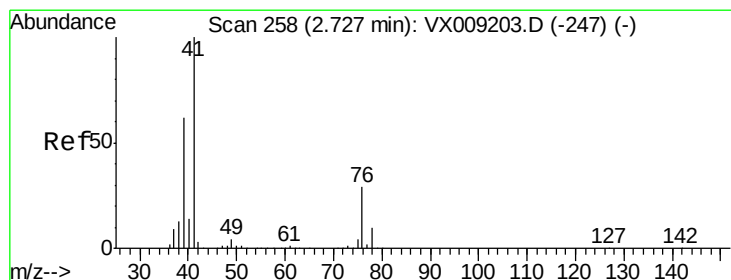
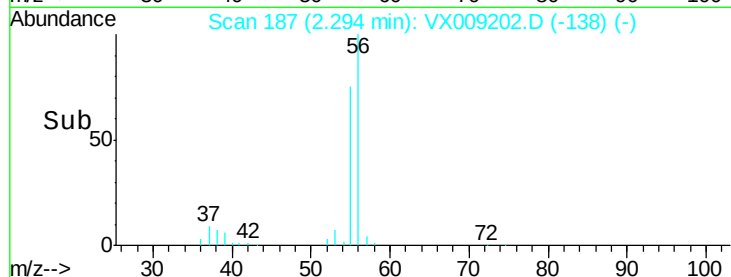
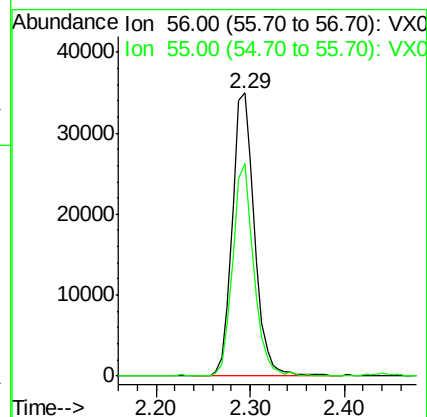
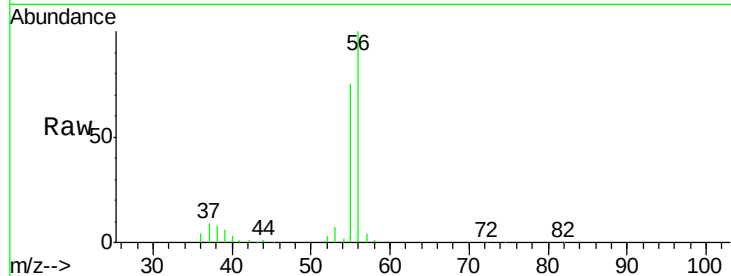
55 70.4 56.6 85.0

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:03:26 AM



#14

Allyl chloride

Concen: 18.548 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

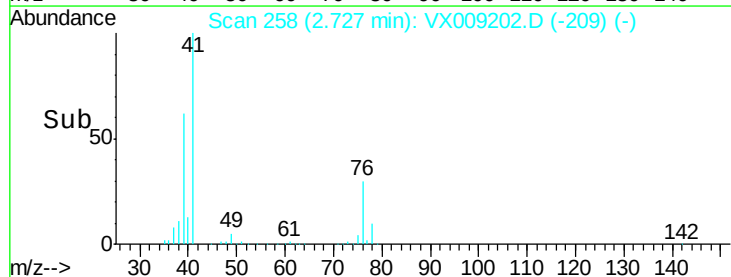
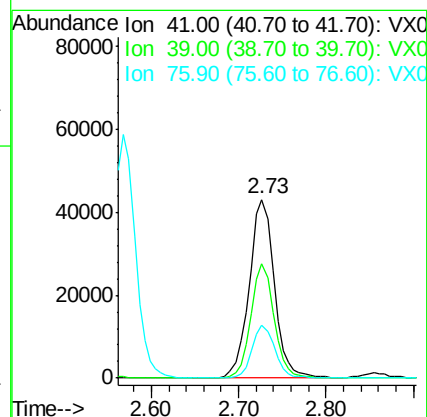
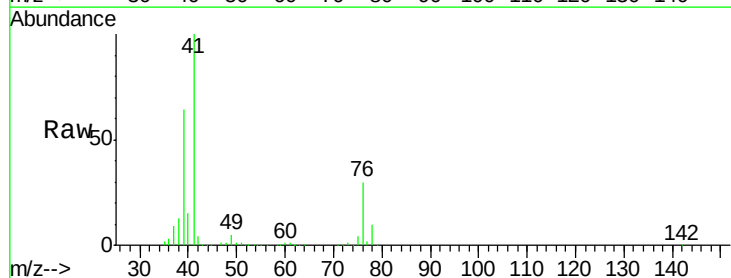
Tgt Ion: 41 Resp: 85618

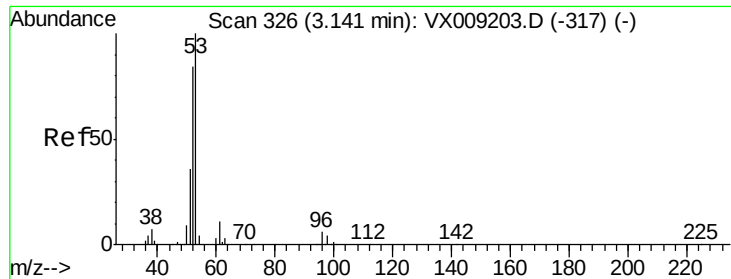
Ion Ratio Lower Upper

41 100

39 59.7 46.7 70.1

76 27.3 21.8 32.8





#15

Acrylonitrile

Concen: 93.242 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Instrument :

MSVOA_X

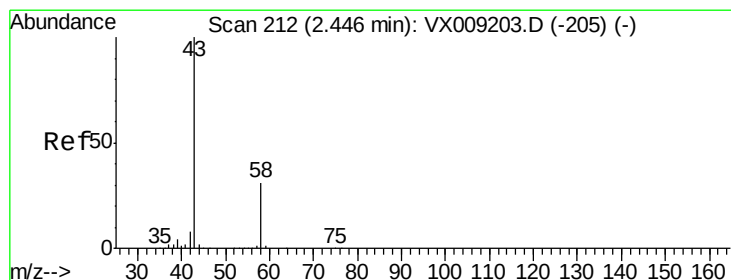
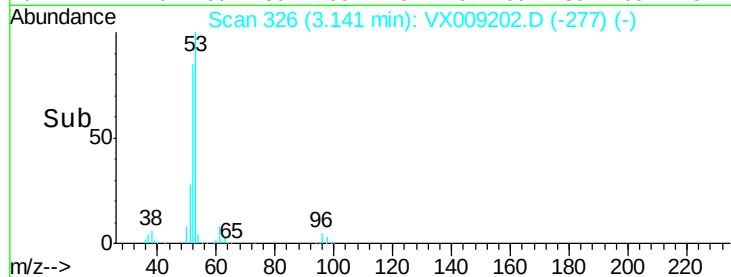
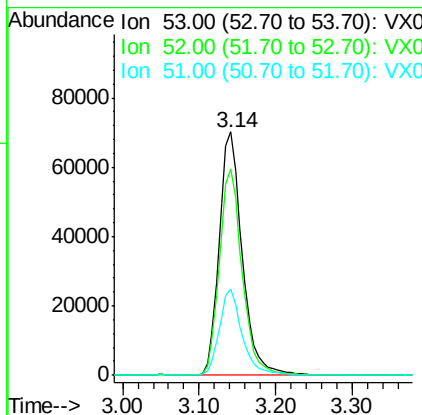
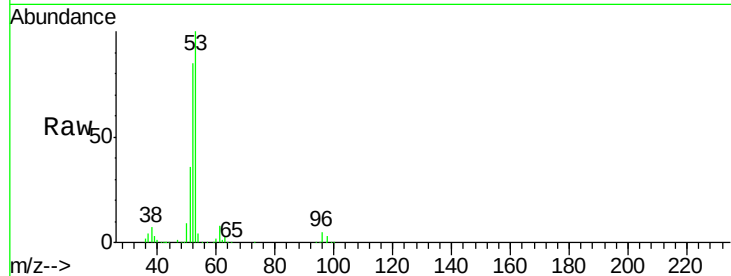
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	146258
Ion Ratio		Lower	Upper
53	100		
52	83.5	66.9	100.3
51	35.3	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:26 AM



#16

Acetone

Concen: 100.571 ug/l

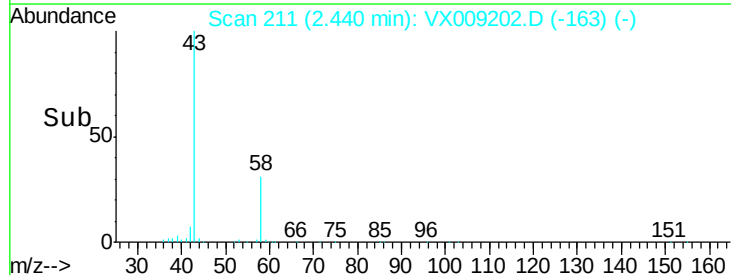
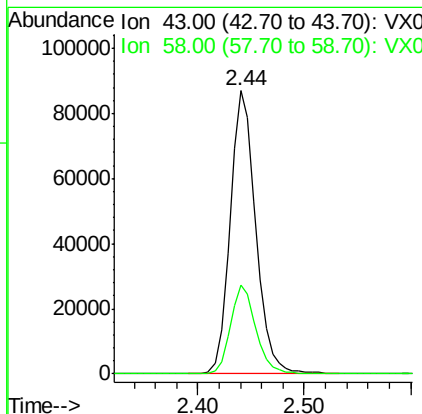
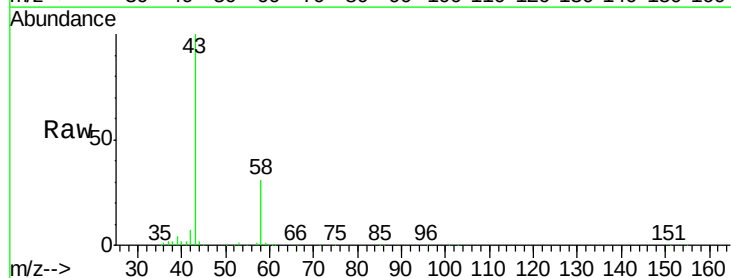
RT: 2.44 min Scan# 211

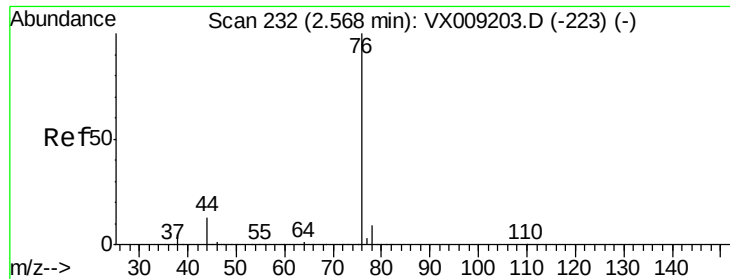
Delta R.T. -0.01 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Tgt Ion:	43	Resp:	145471
Ion Ratio		Lower	Upper
43	100		
58	31.3	24.9	37.3





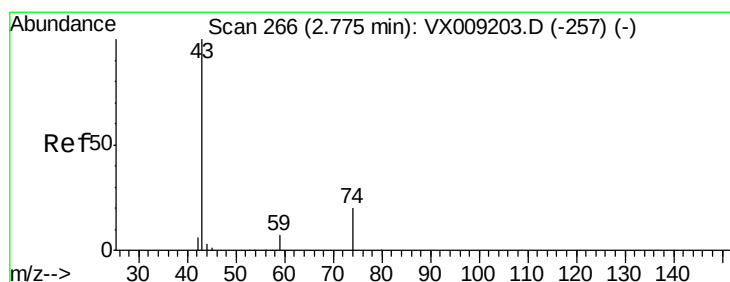
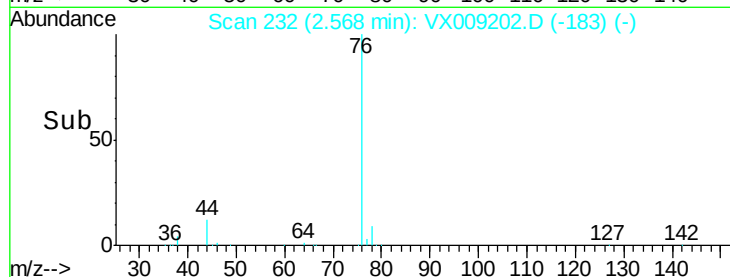
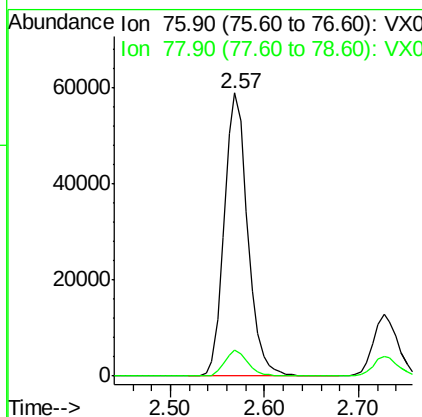
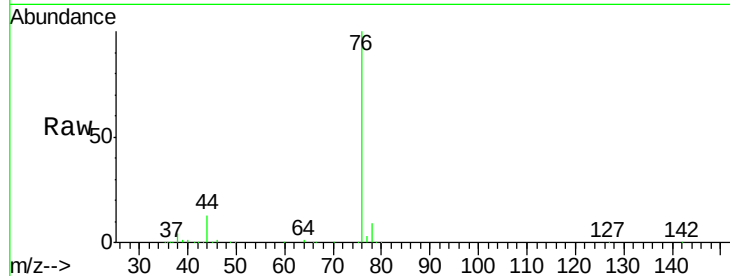
#17
Carbon Disulfide
Concen: 15.661 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

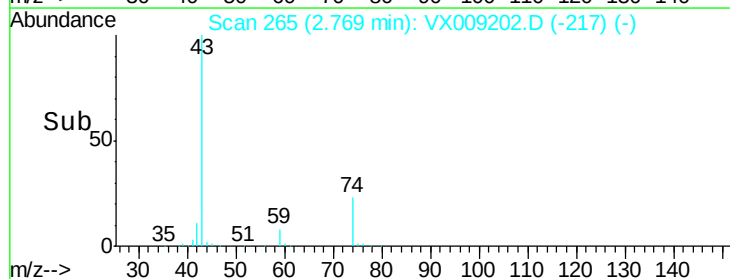
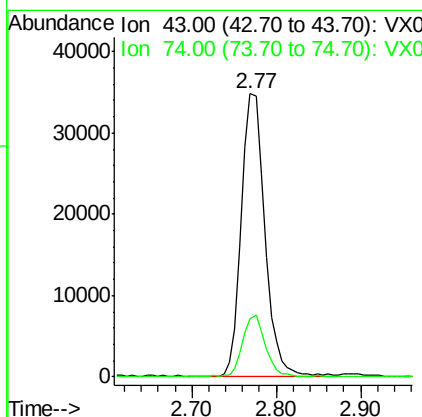
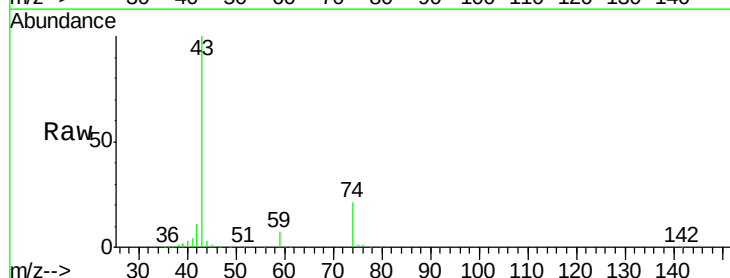
Manual Integrations
APPROVED

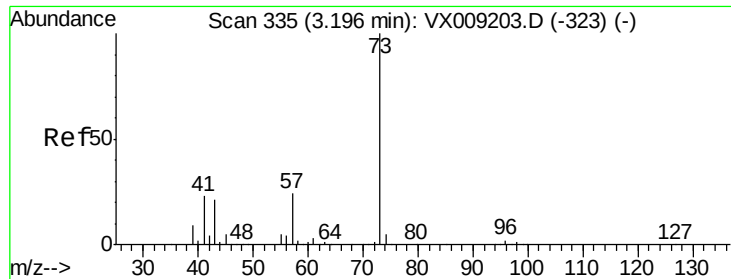
MMDadoda
4/30/2019 11:03:26 AM



#18
Methyl Acetate
Concen: 18.092 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	16.2	24.4





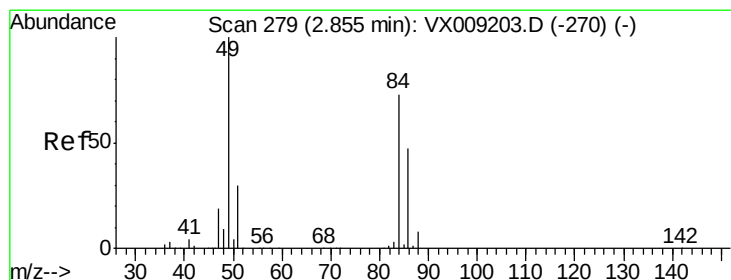
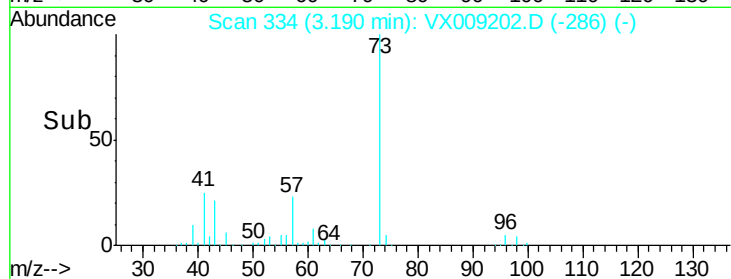
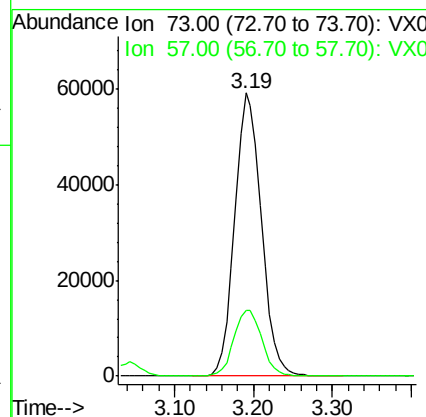
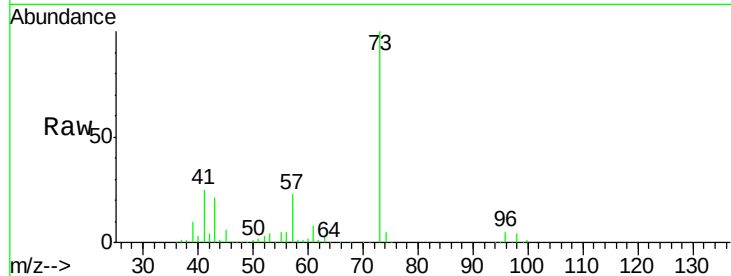
#19
Methyl tert-butyl Ether
Concen: 18.421 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	19.3	28.9

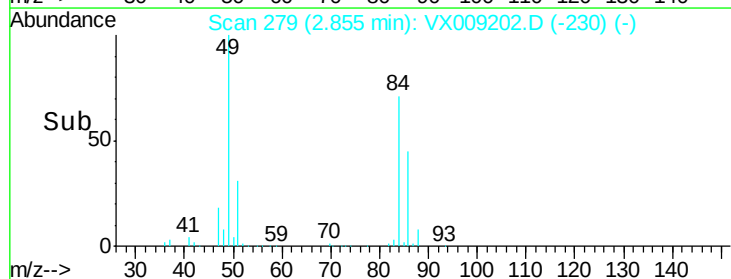
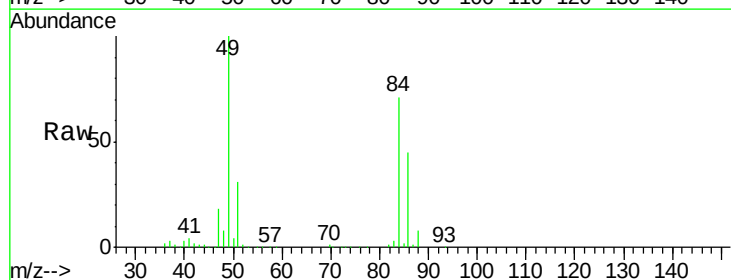
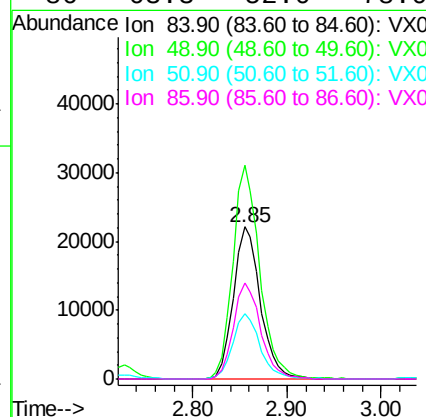
Manual Integrations
APPROVED

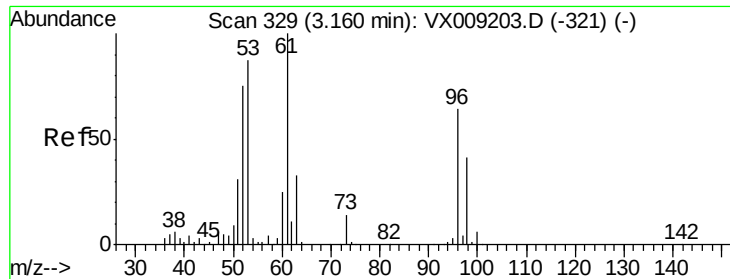
MMDadoda
4/30/2019 11:03:26 AM



#20
Methylene Chloride
Concen: 17.875 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.2	109.9	164.9
51	43.0	32.7	49.1
86	63.3	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 17.212 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Instrument :

MSVOA_X

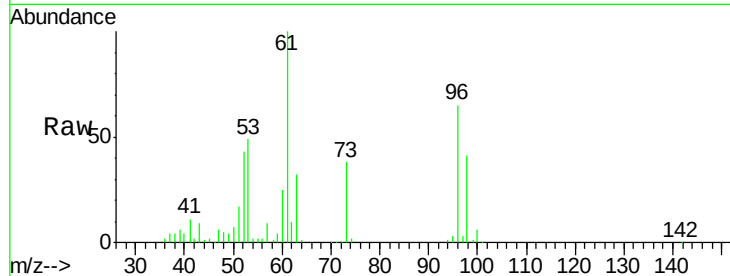
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	38701
Ion	Ratio	Lower	Upper
96	100		
61	152.7	124.5	186.7
98	63.2	50.4	75.6

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:26 AM

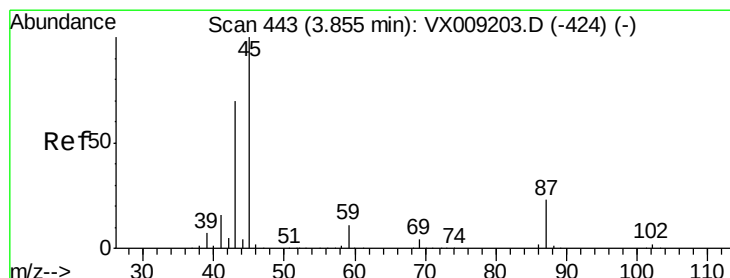
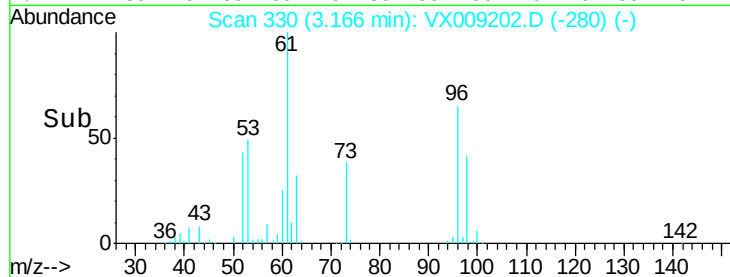
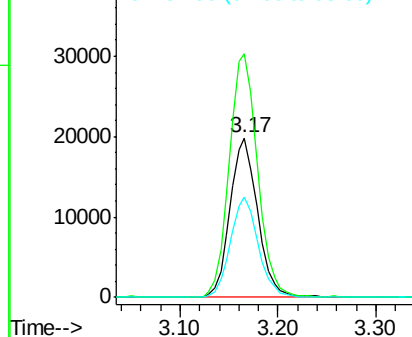


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 18.705 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Tgt Ion:	45	Resp:	168485
Ion	Ratio	Lower	Upper
45	100		
43	72.3	56.1	84.1
87	22.5	18.1	27.1
59	10.3	8.5	12.7

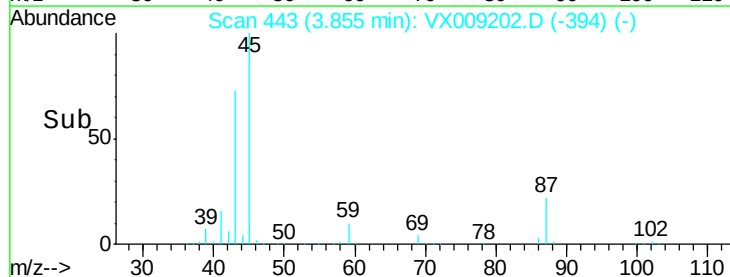
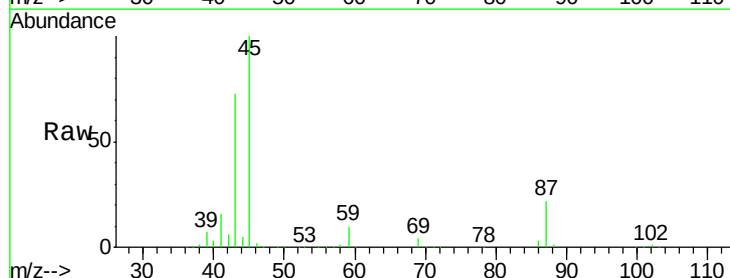
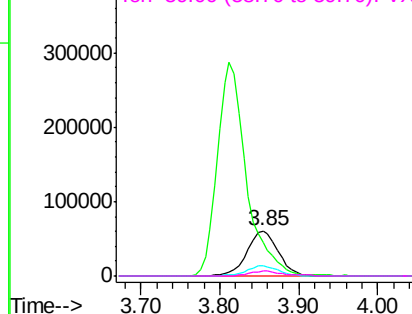
Abundance

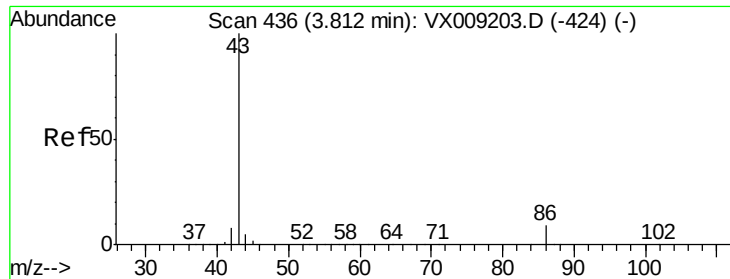
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 93.861 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 739098

Ion Ratio Lower Upper

43 100

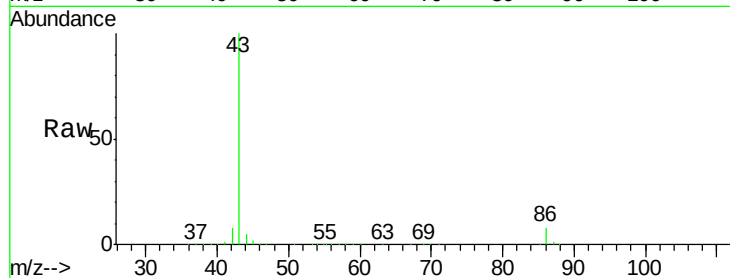
86 8.5 6.9 10.3

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:03:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

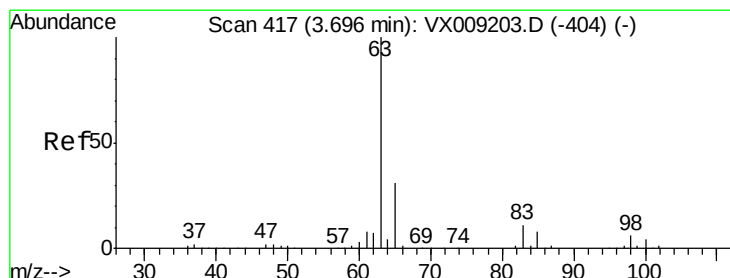
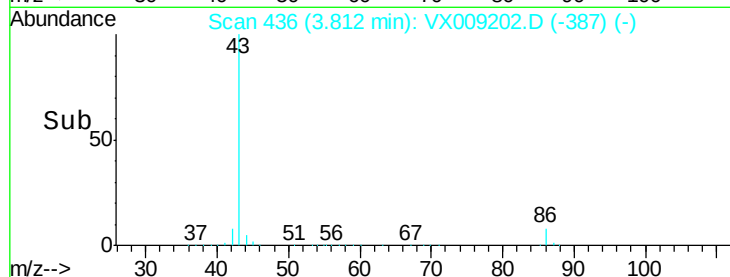
200000

100000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 18.243 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

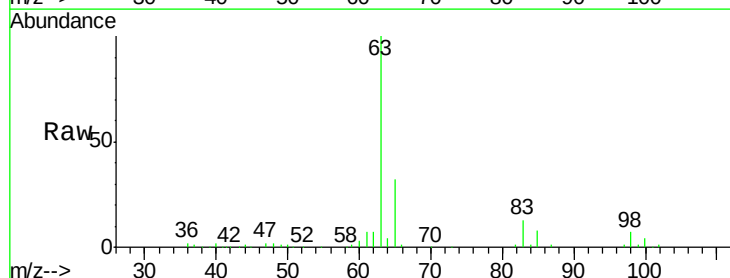
Tgt Ion: 63 Resp: 82308

Ion Ratio Lower Upper

63 100

98 7.1 3.0 9.2

100 3.8 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

40000

30000

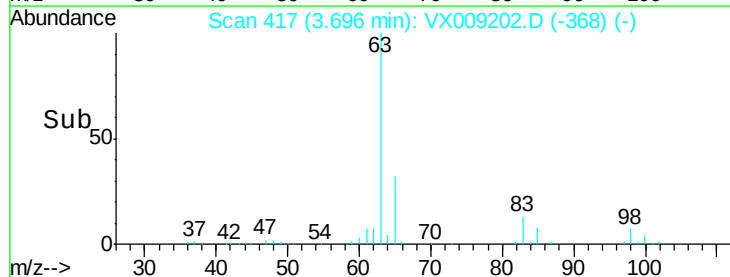
20000

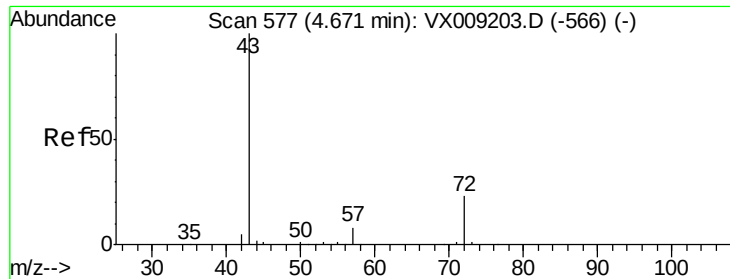
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 97.560 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 225227

Ion Ratio Lower Upper

43 100

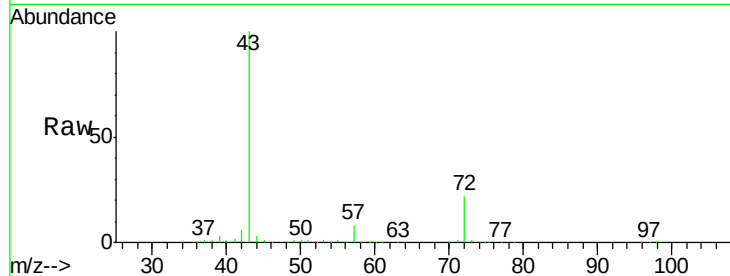
72 22.0 18.2 27.2

Manual Integrations

APPROVED

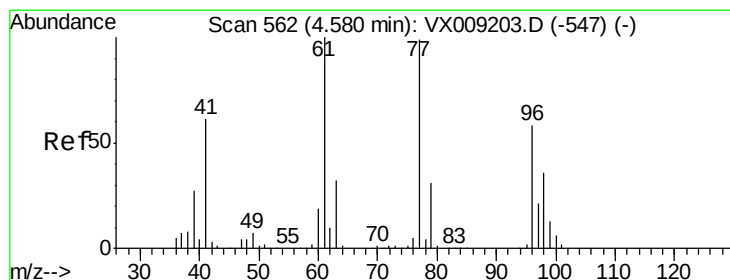
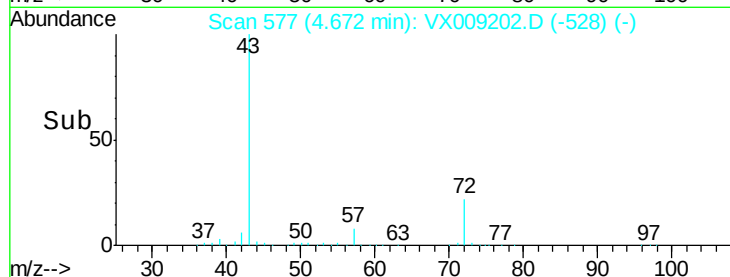
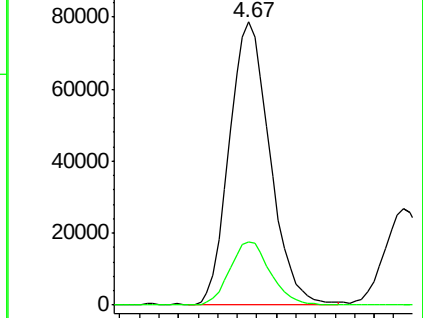
MMDadoda

4/30/2019 11:03:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.811 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009202.D

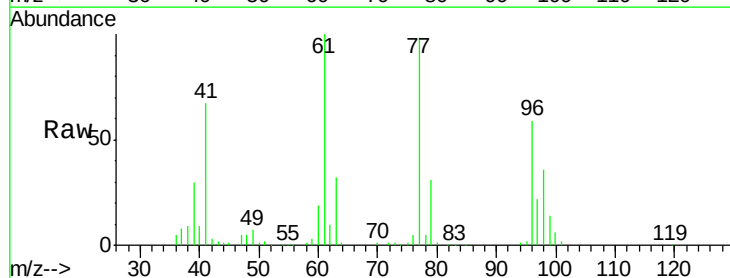
Acq: 29 Apr 2019 12:33

Tgt Ion: 77 Resp: 60266

Ion Ratio Lower Upper

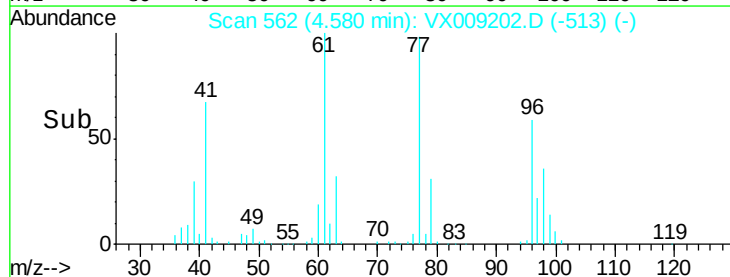
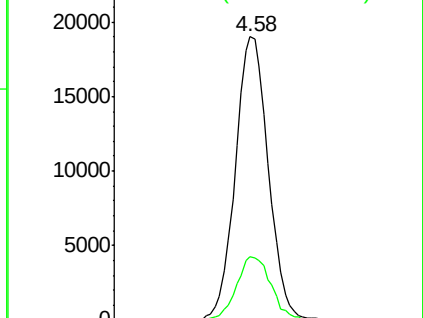
77 100

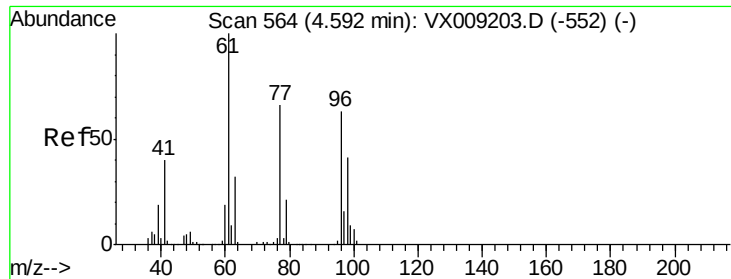
97 23.2 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

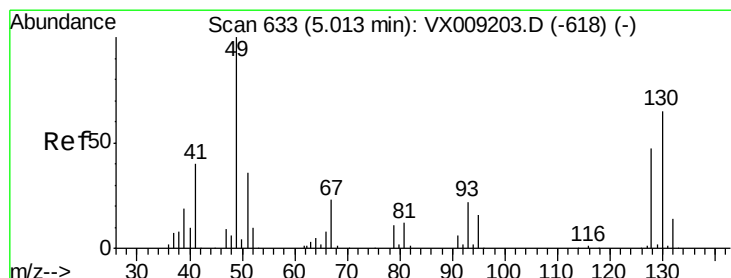
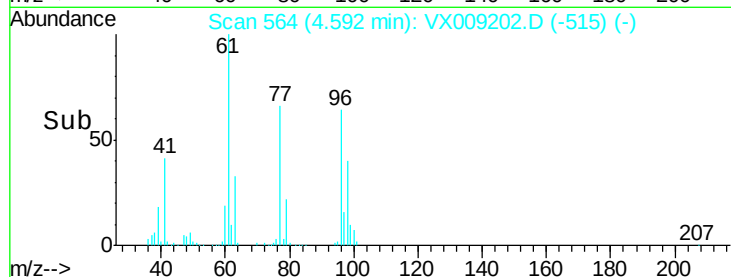
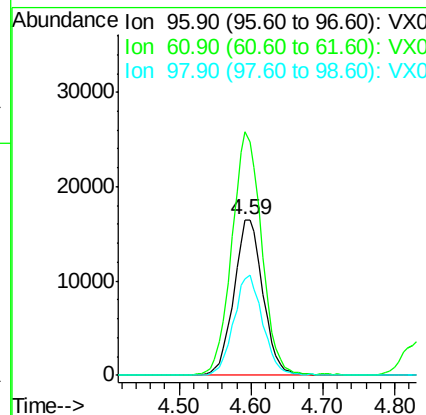
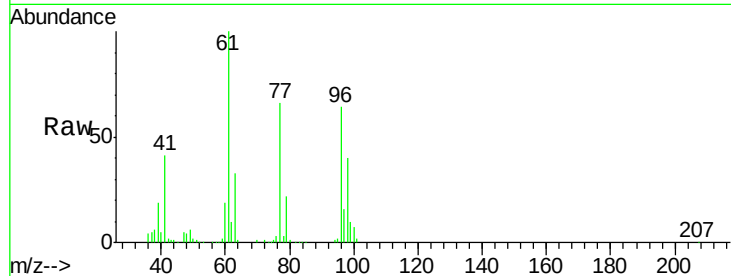
cis-1,2-Dichloroethene
Concen: 18.085 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	46351		
61	160.0	0.0	324.0	
98	64.0	0.0	130.4	

Manual Integrations
APPROVED

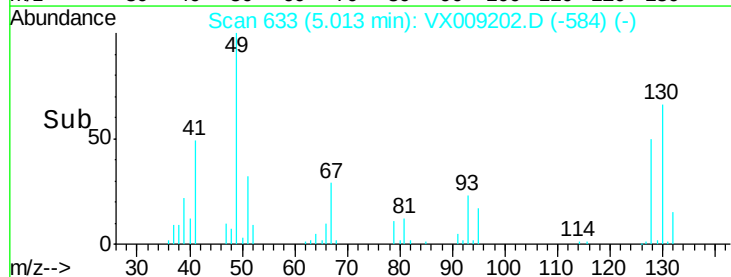
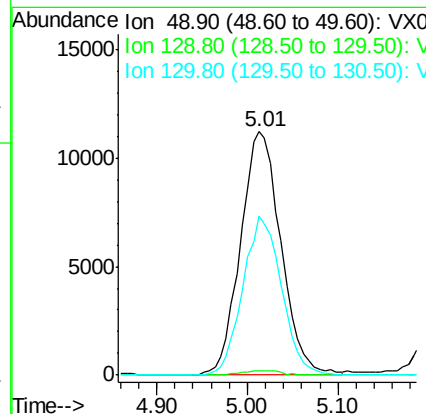
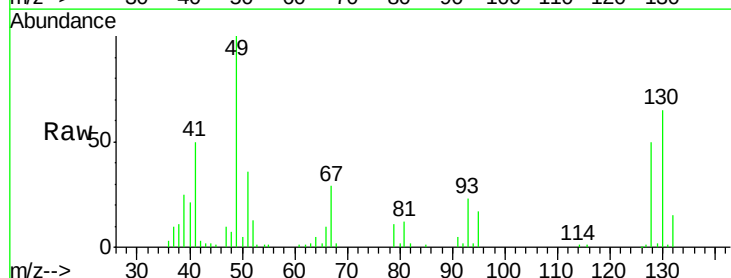
MMDadoda
4/30/2019 11:03:26 AM

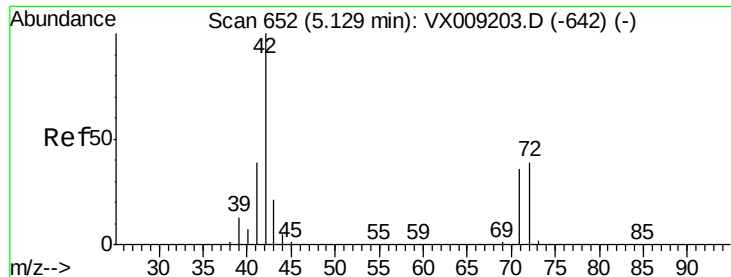


#28

Bromochloromethane
Concen: 16.285 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	34536		
129	1.8	0.0	3.8	
130	62.5	51.2	76.8	





#29

Tetrahydrofuran

Concen: 91.059 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Instrument :

MSVOA_X

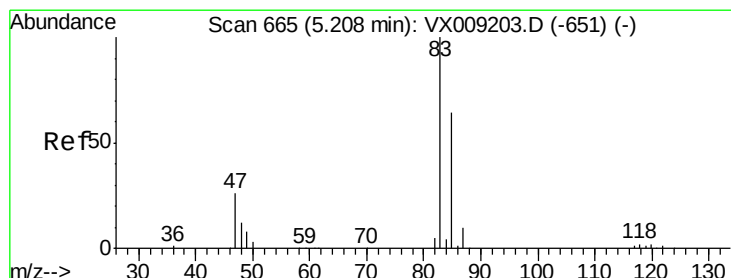
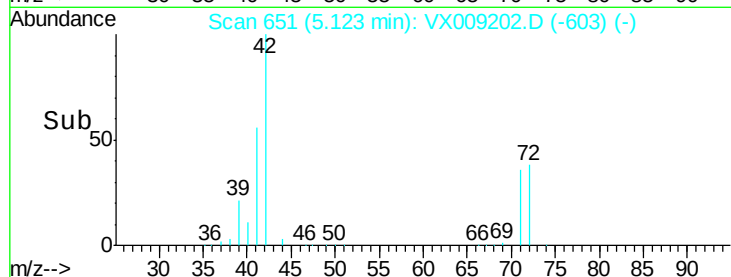
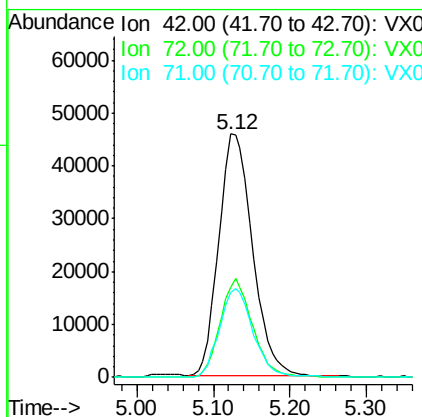
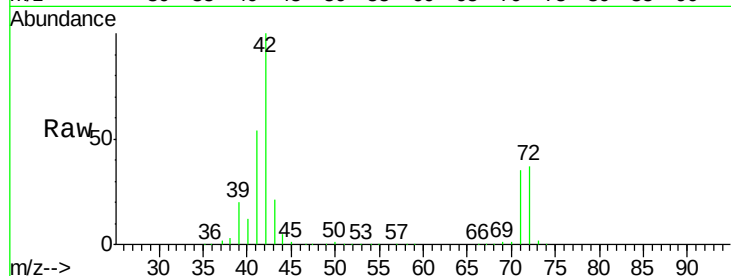
ClientSampleId :

VSTDIC020

Tot Ion:	42	Resp:	140561
Ion	Ratio	Lower	Upper
42	100		
72	39.1	30.4	45.6
71	36.4	28.6	43.0

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:26 AM



#30

Chloroform

Concen: 18.592 ug/l

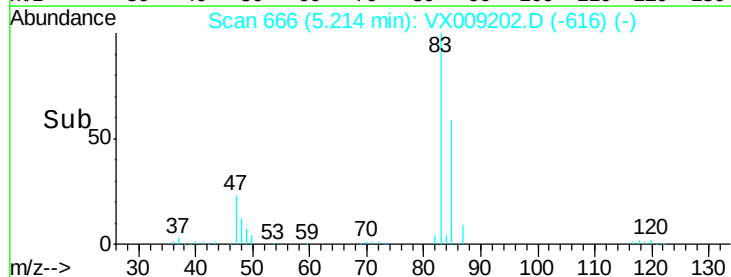
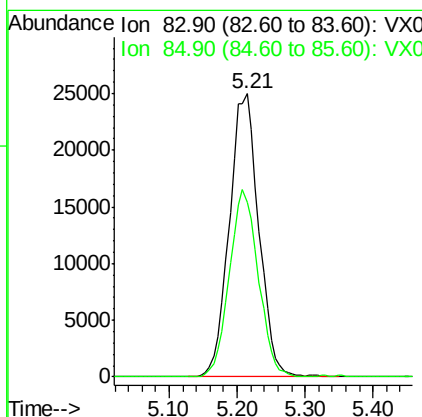
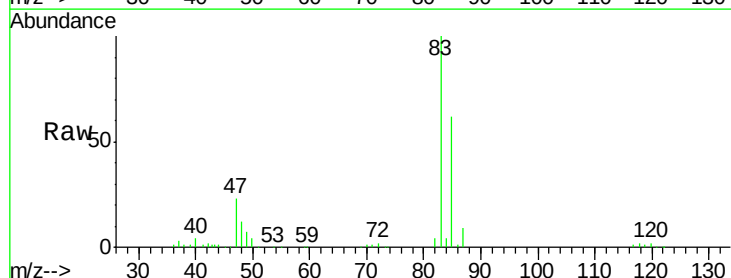
RT: 5.21 min Scan# 666

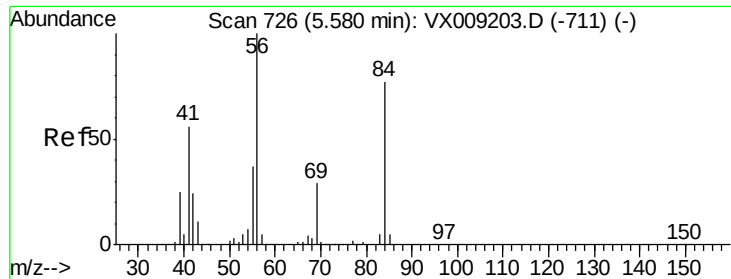
Delta R.T. 0.01 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Tgt Ion:	83	Resp:	75110
Ion	Ratio	Lower	Upper
83	100		
85	61.6	51.5	77.3





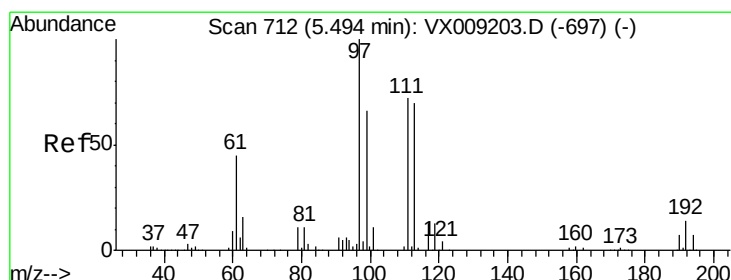
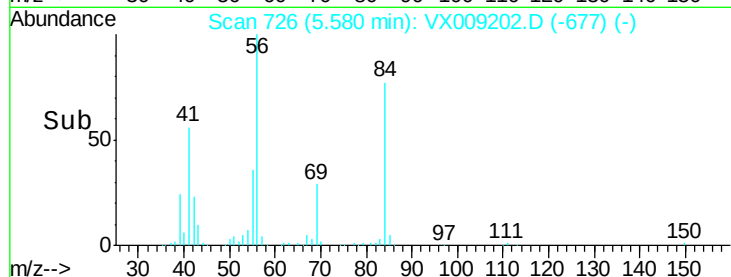
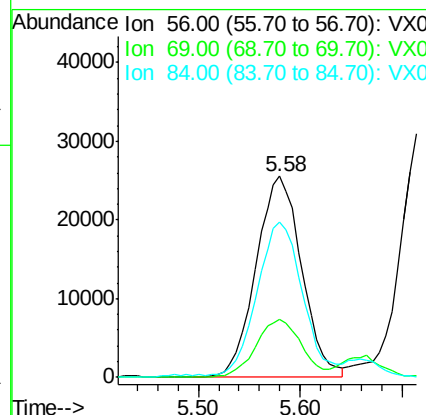
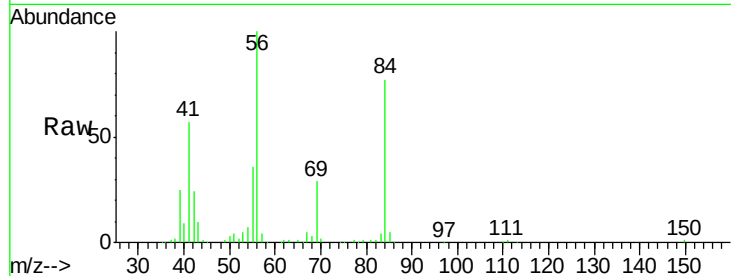
#31
Cyclohexane
Concen: 17.980 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.4	35.0
84	76.1	61.9	92.9

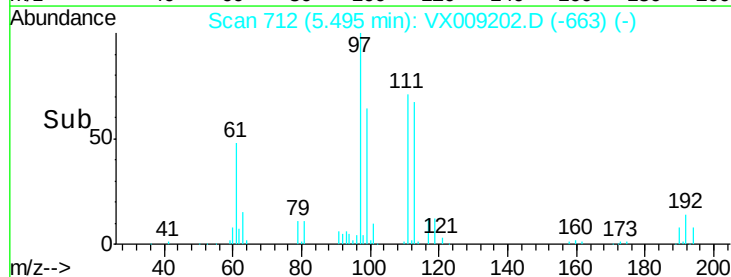
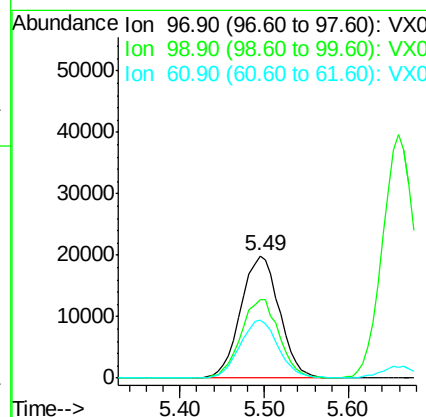
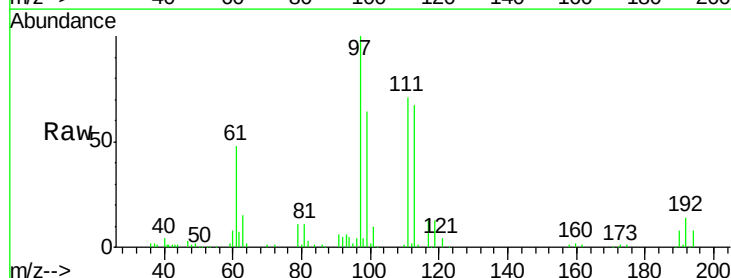
Manual Integrations
APPROVED

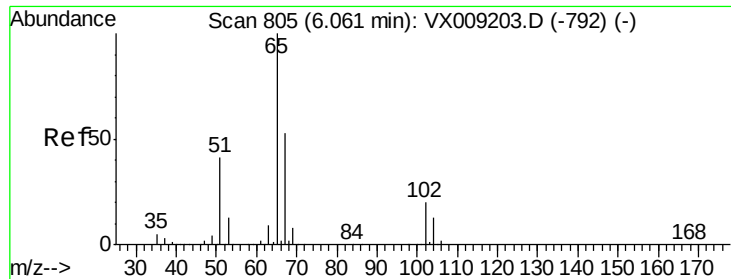
MMDadoda
4/30/2019 11:03:26 AM



#32
1,1,1-Trichloroethane
Concen: 18.550 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.8	77.8
61	47.3	37.8	56.8





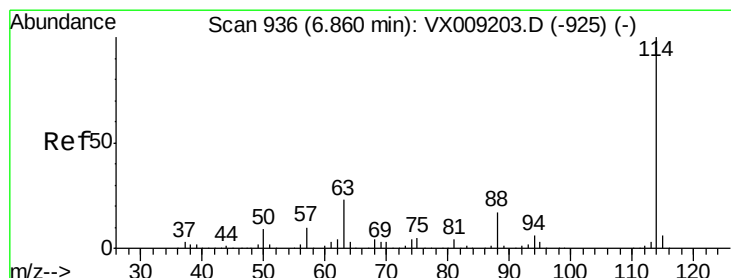
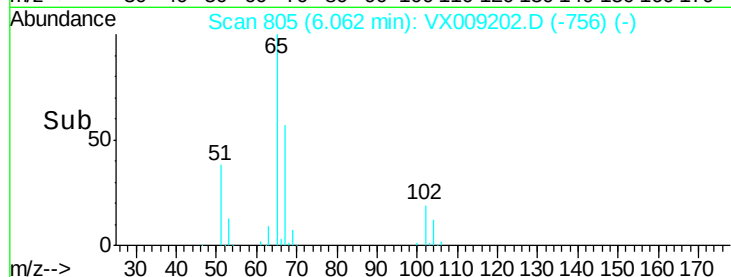
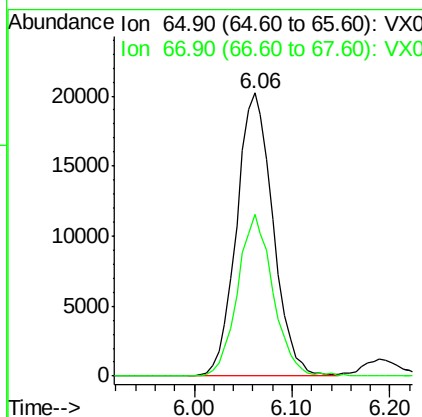
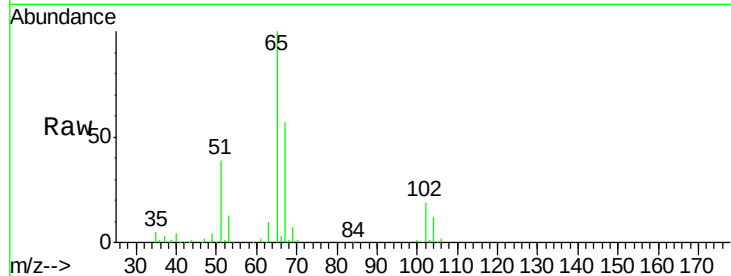
#33
 1,2-Dichloroethane-d4
 Concen: 18.575 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009202.D
 Acq: 29 Apr 2019 12:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.7	0.0	106.6

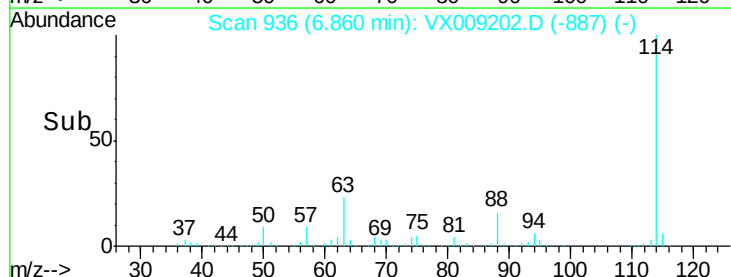
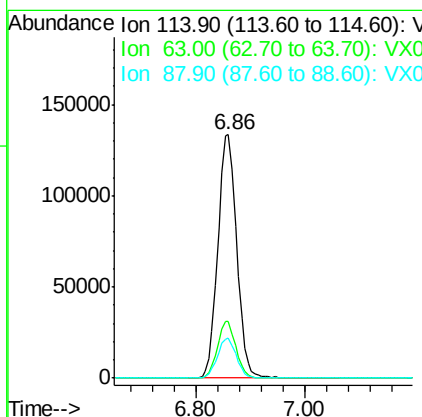
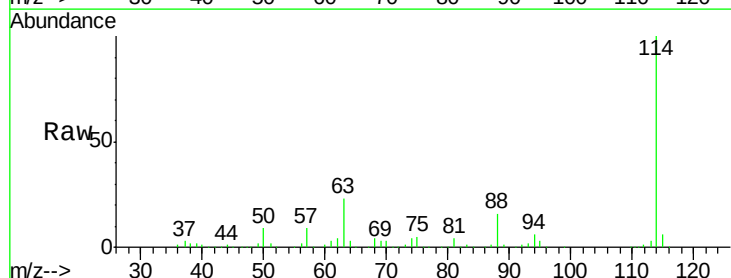
Manual Integrations
 APPROVED

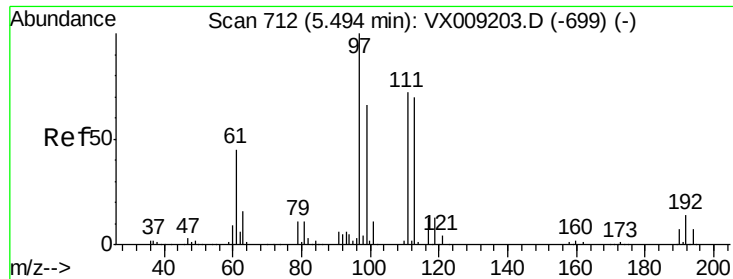
MMDadoda
 4/30/2019 11:03:26 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009202.D
 Acq: 29 Apr 2019 12:33

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	45.6
88	16.3	0.0	33.2





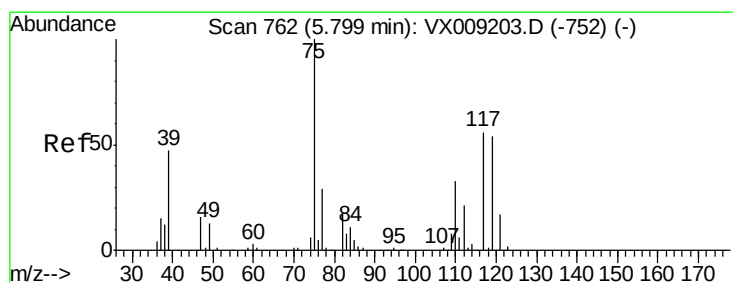
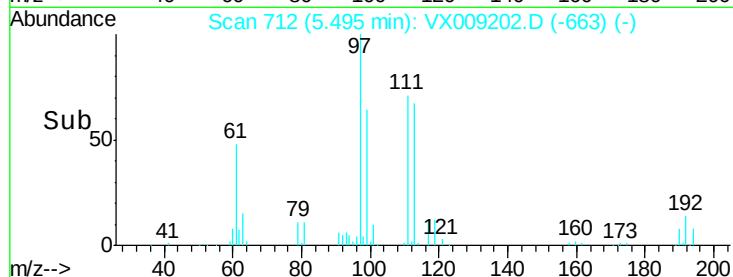
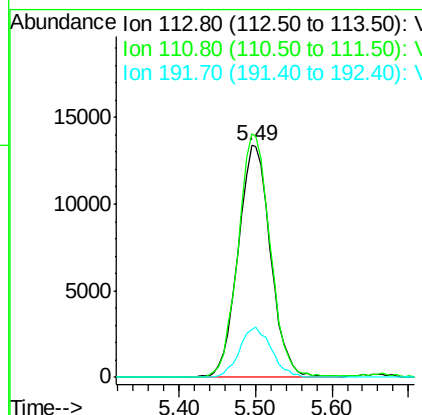
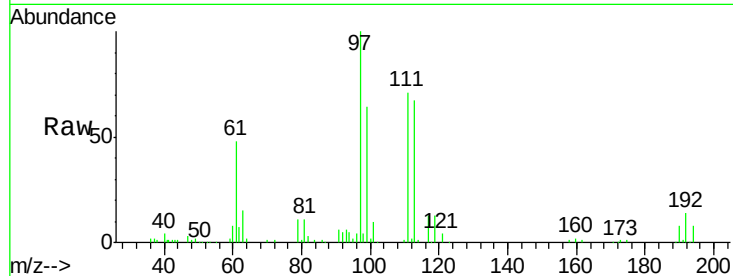
#35
 Dibromofluoromethane
 Concen: 18.951 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX009202.D
 Acq: 29 Apr 2019 12:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	39375		
111	103.7	82.8	124.2	
192	21.3	17.0	25.6	

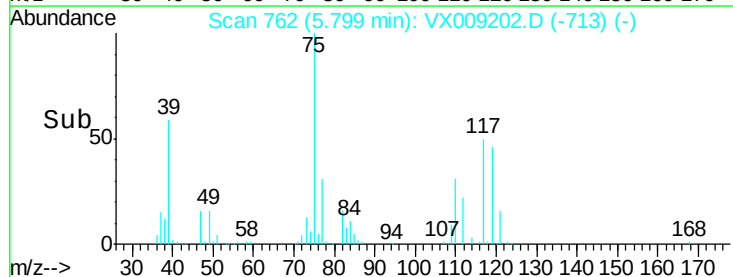
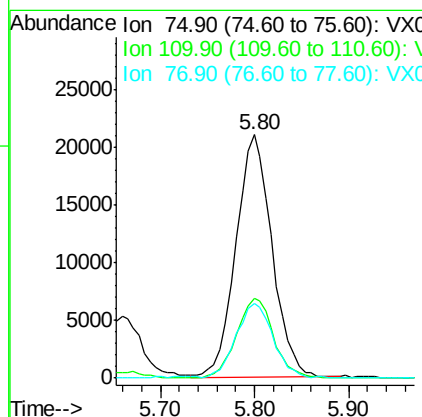
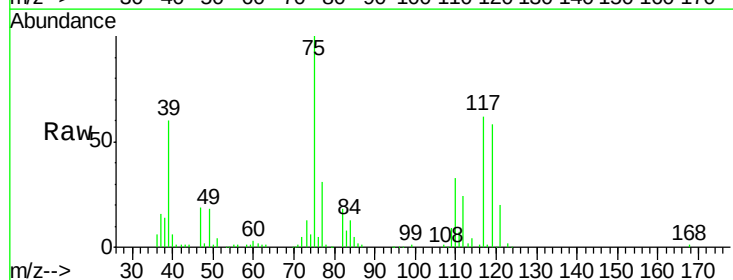
Manual Integrations
 APPROVED

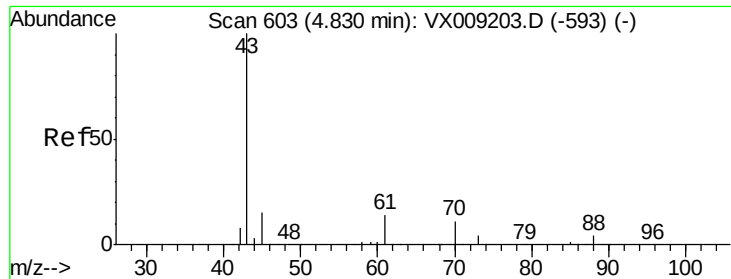
MMDadoda
 4/30/2019 11:03:26 AM



#36
 1,1-Dichloropropene
 Concen: 17.011 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX009202.D
 Acq: 29 Apr 2019 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	56224		
110	33.9	16.9	50.6	
77	31.9	24.8	37.2	





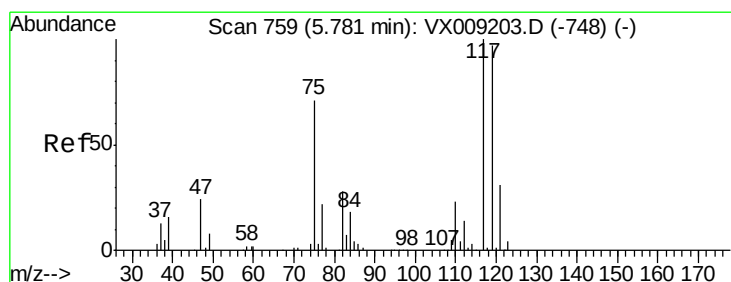
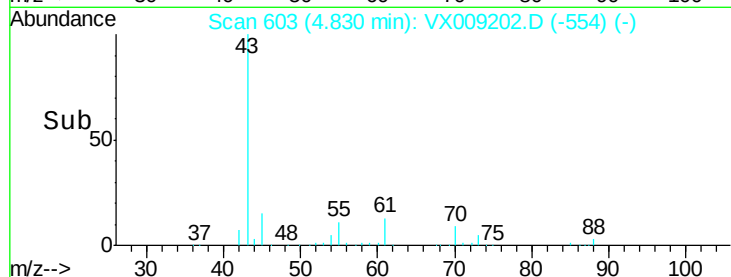
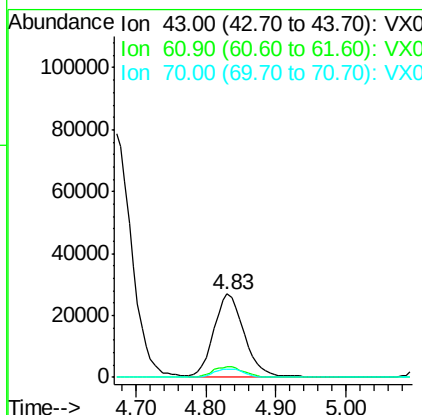
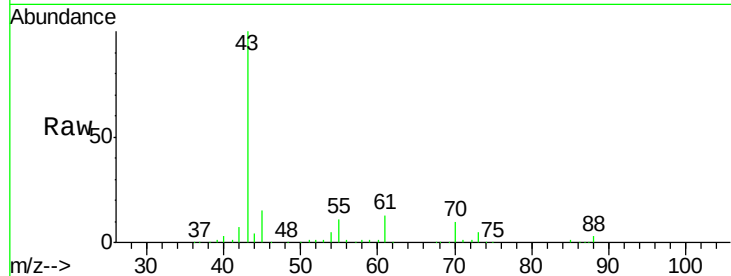
#37
Ethyl Acetate
Concen: 19.107 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	81292
Ion Ratio	100	Lower	Upper
43	100		
61	12.9	10.5	15.7
70	9.8	7.9	11.9

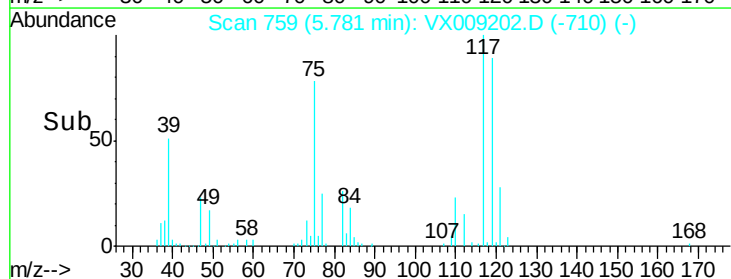
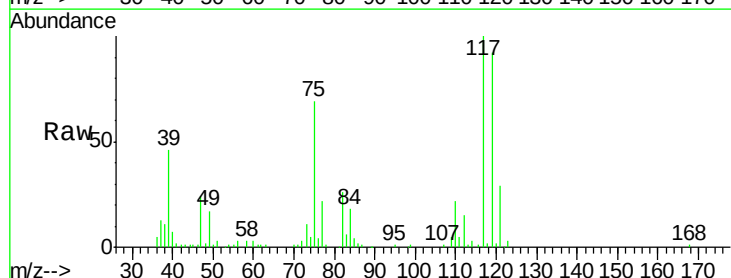
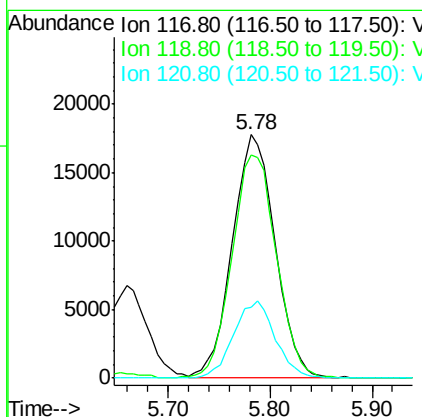
Manual Integrations
APPROVED

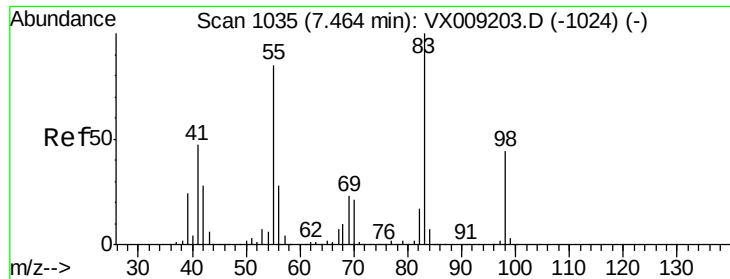
MMDadoda
4/30/2019 11:03:26 AM



#38
Carbon Tetrachloride
Concen: 18.415 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Tgt Ion	117	Resp	51839
Ion Ratio	100	Lower	Upper
117	100		
119	91.3	77.5	116.3
121	28.9	24.7	37.1





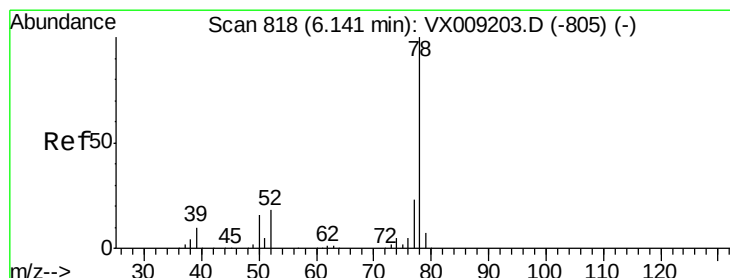
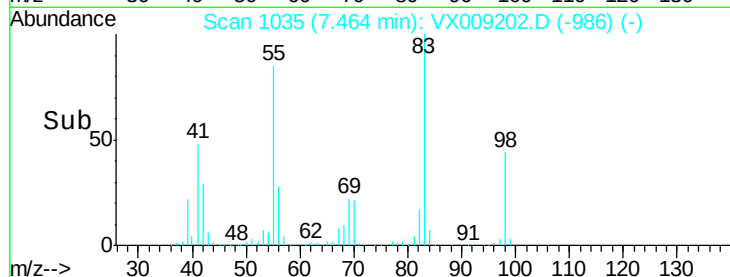
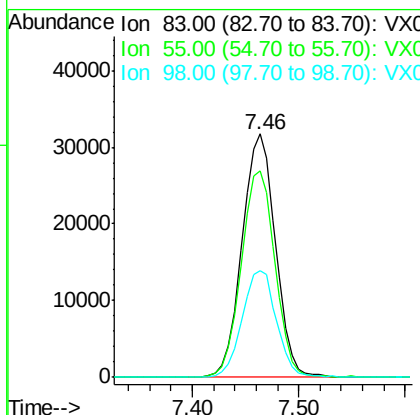
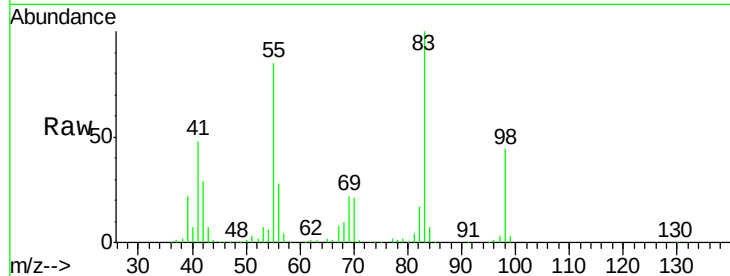
#39
Methylvlcyclohexane
Concen: 17.357 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	69762
Ion Ratio	Lower	Upper	
83	100		
55	85.0	67.7	101.5
98	43.7	35.5	53.3

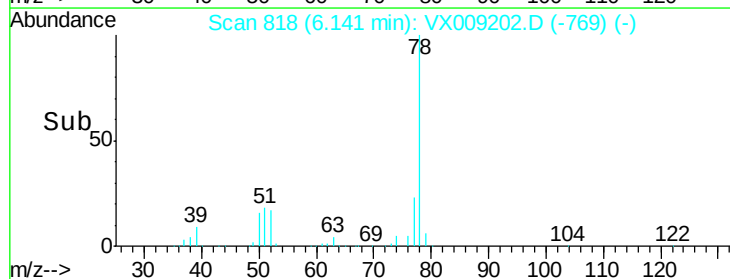
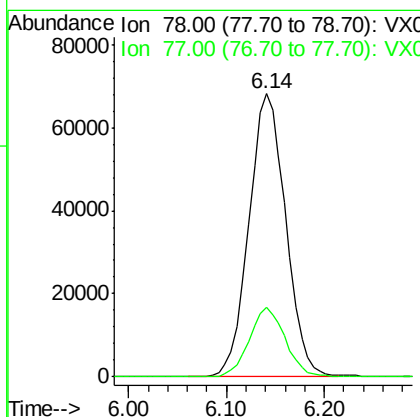
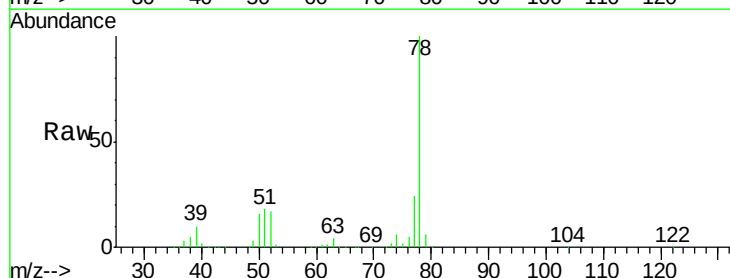
Manual Integrations
APPROVED

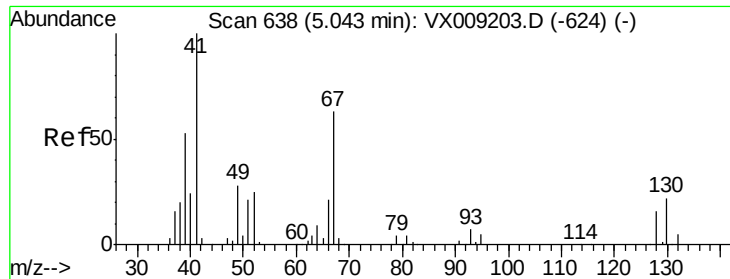
MMDadoda
4/30/2019 11:03:26 AM



#40
Benzene
Concen: 18.262 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Tgt Ion	78	Resp	178652
Ion Ratio	Lower	Upper	
78	100		
77	24.5	18.8	28.2





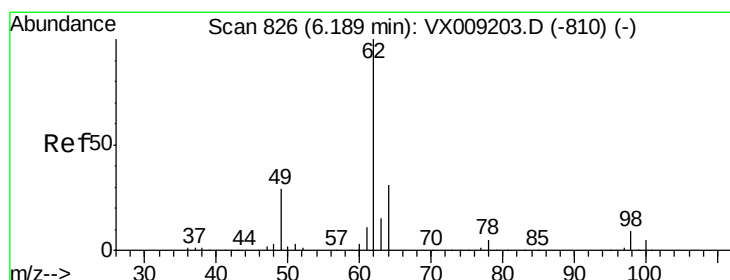
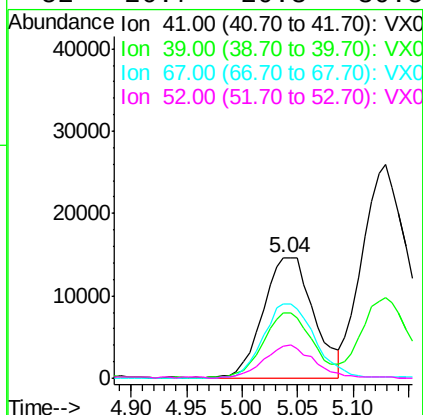
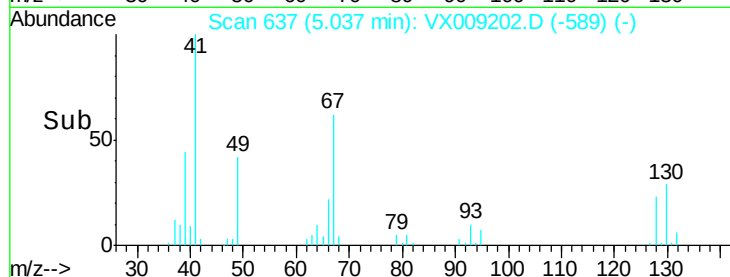
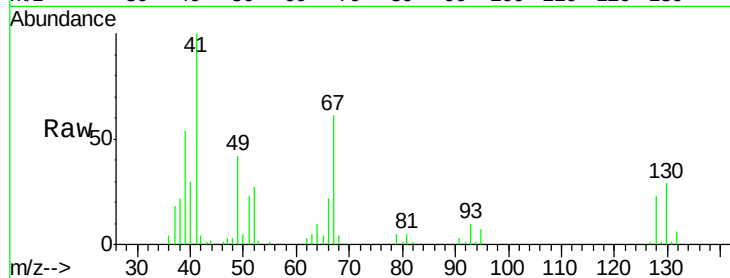
#41
Methacrylonitrile
Concen: 18.838 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Instrument :
MSVOA_X
ClientSampleID :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.6	42.0	63.0	
67	63.0	49.8	74.8	
52	26.7	20.3	30.5	

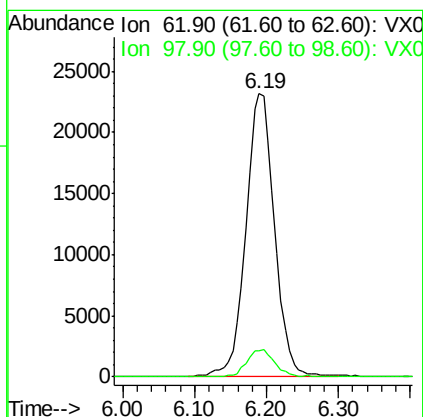
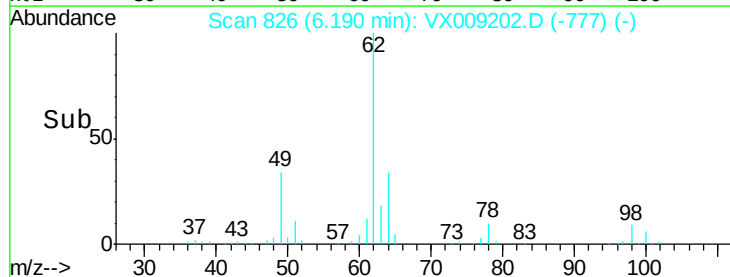
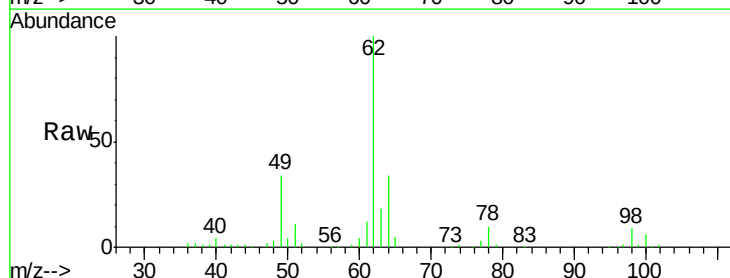
Manual Integrations
APPROVED

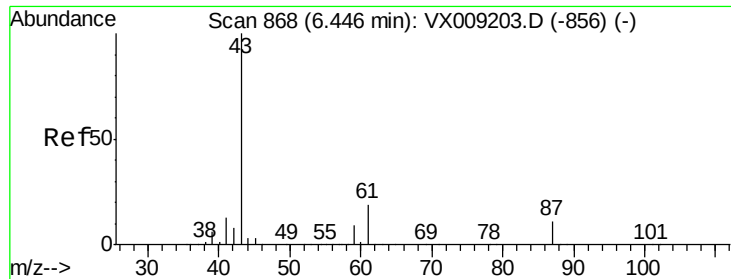
MMDadoda
4/30/2019 11:03:26 AM



#42
1,2-Dichloroethane
Concen: 18.446 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	18.2	





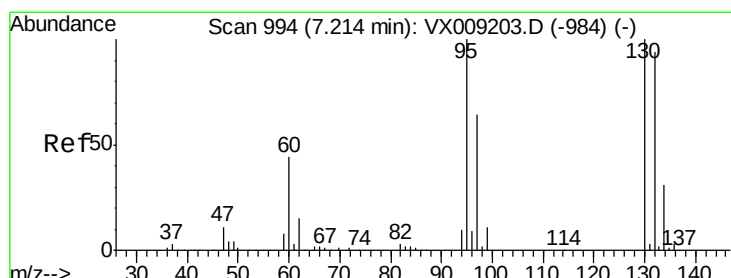
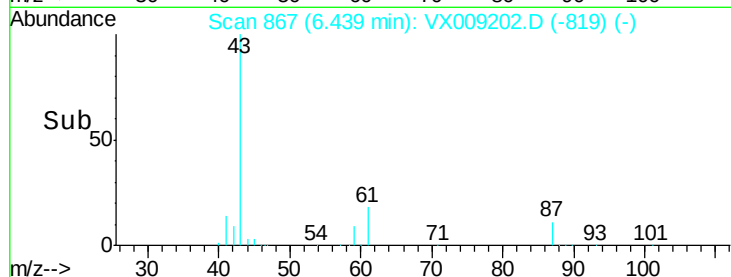
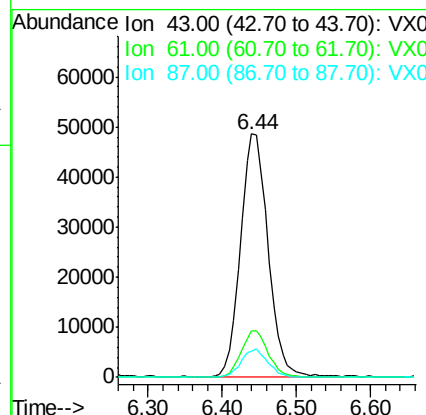
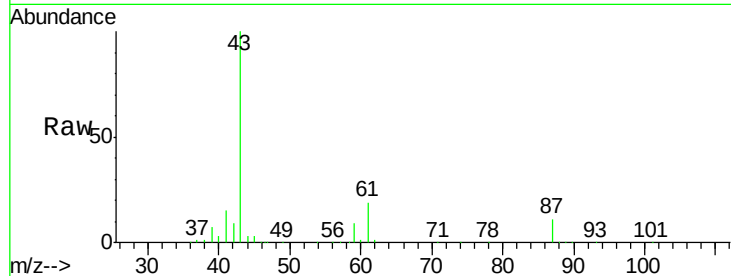
#43
Isopropyl Acetate
Concen: 18.303 ug/l
RT: 6.44 min Scan# 867
Delta R.T. -0.01 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.1	22.7
87	11.4	9.0	13.6

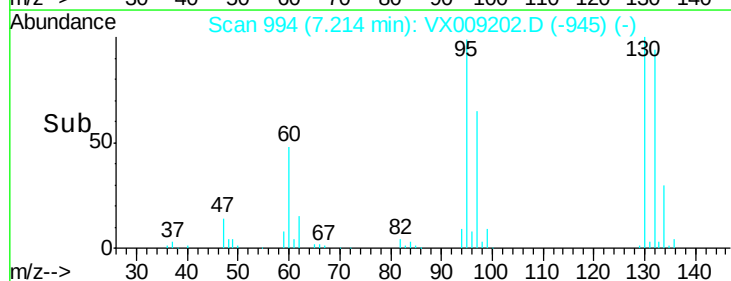
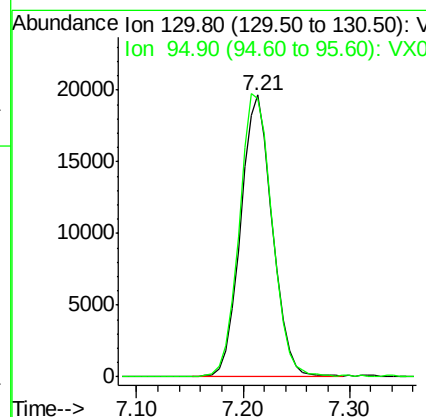
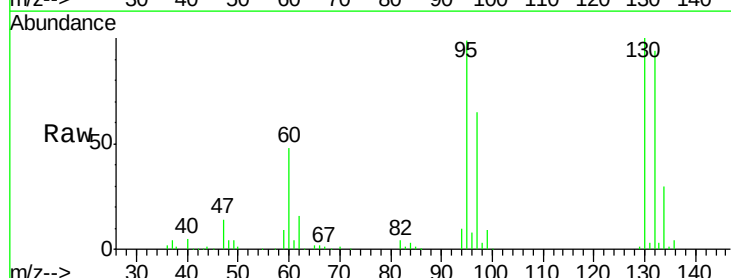
Manual Integrations
APPROVED

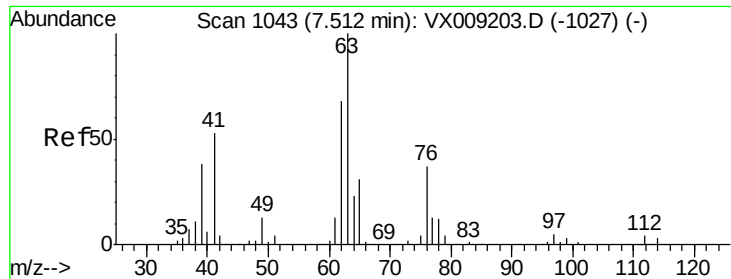
MMDadoda
4/30/2019 11:03:26 AM



#44
Trichloroethene
Concen: 17.205 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	199.2





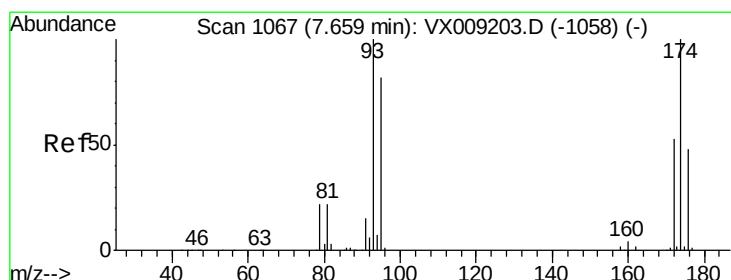
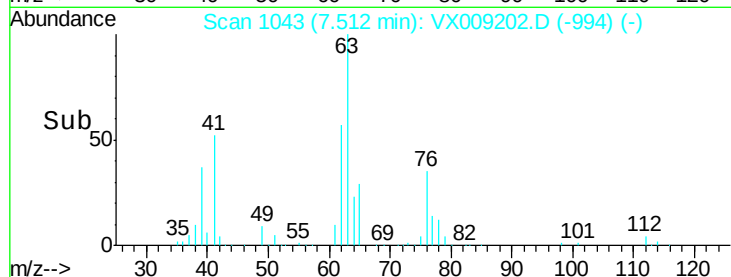
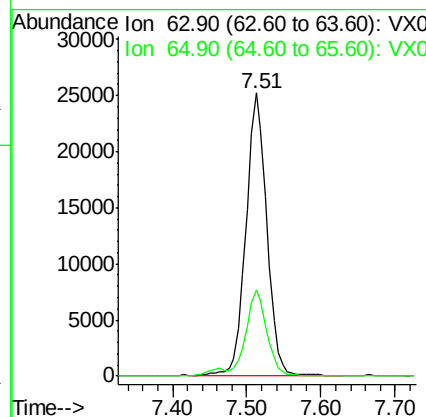
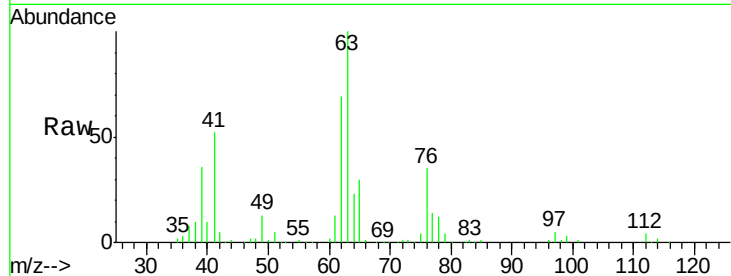
#45
 1,2-Dichloropropane
 Concen: 18.350 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009202.D
 Acq: 29 Apr 2019 12:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.0	37.6

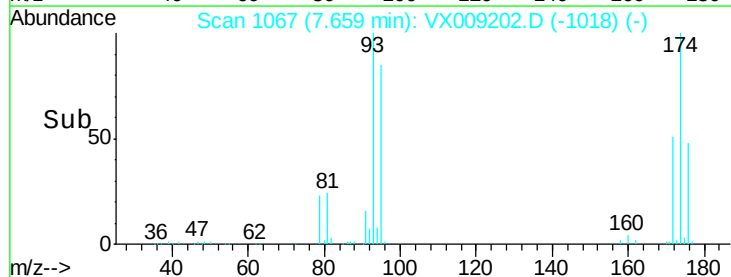
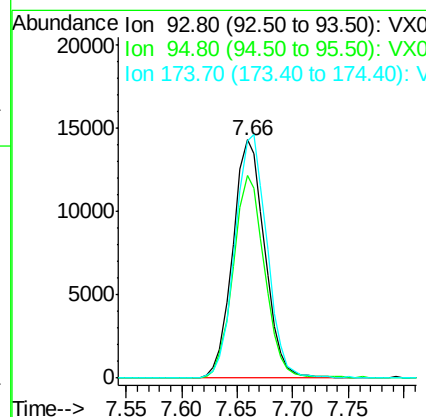
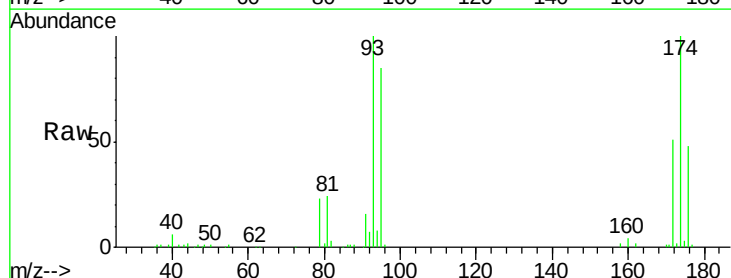
Manual Integrations
 APPROVED

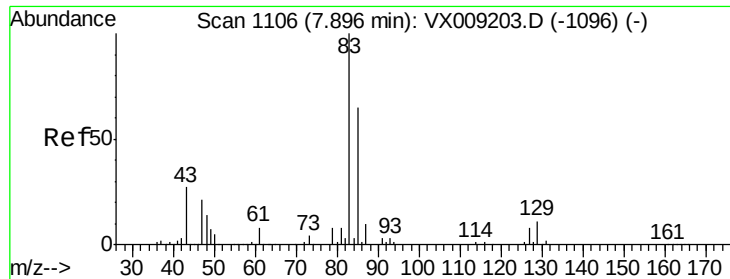
MMDadoda
 4/30/2019 11:03:26 AM



#46
 Dibromomethane
 Concen: 18.075 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009202.D
 Acq: 29 Apr 2019 12:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	66.5	99.7
174	101.9	82.1	123.1





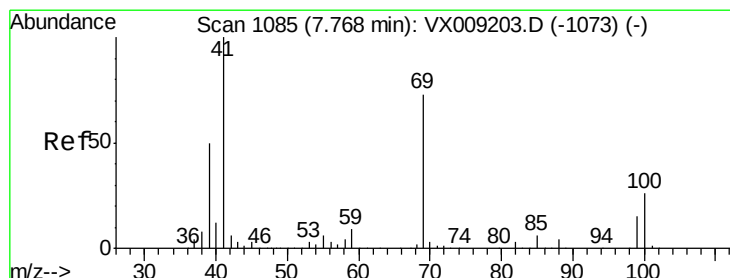
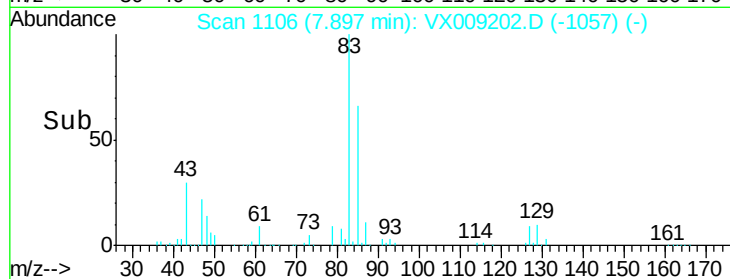
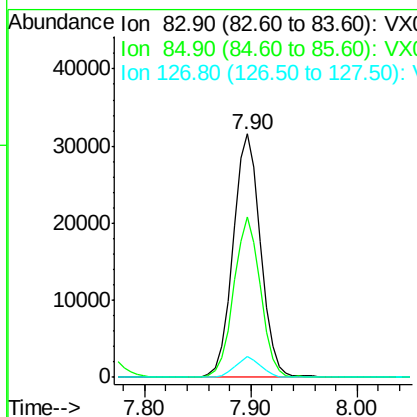
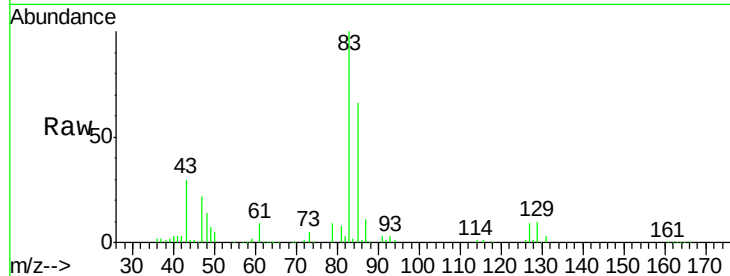
#47
Bromodichloromethane
Concen: 18.414 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	57200
Ion Ratio	100	Lower	Upper
83	100		
85	65.9	52.4	78.6
127	8.7	6.6	10.0

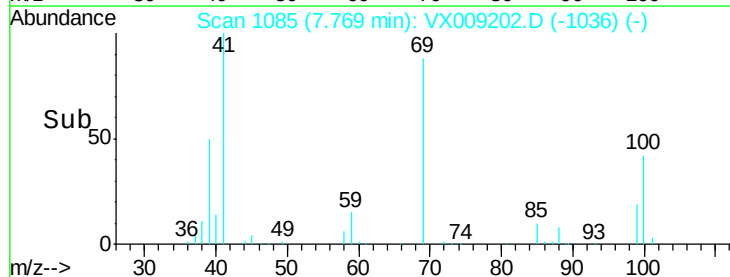
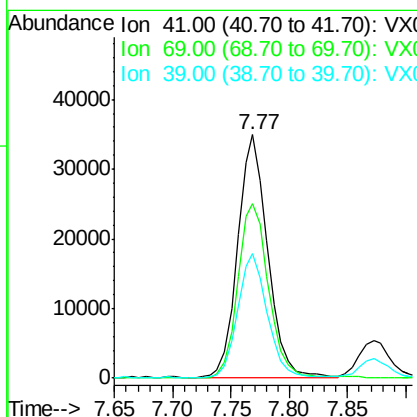
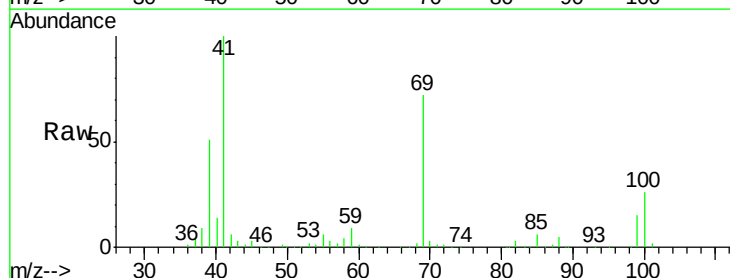
Manual Integrations
APPROVED

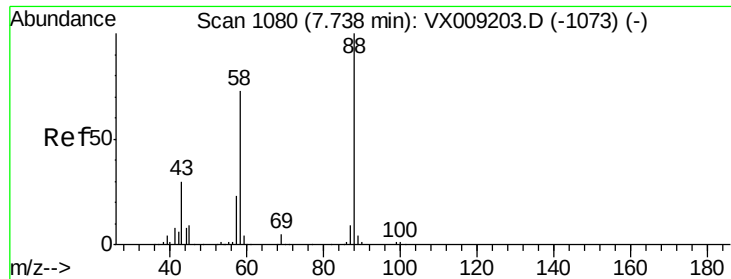
MMDadoda
4/30/2019 11:03:26 AM



#48
Methyl methacrylate
Concen: 18.328 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Tgt Ion	41	Resp	62303
Ion Ratio	100	Lower	Upper
41	100		
69	74.1	59.1	88.7
39	51.6	40.4	60.6





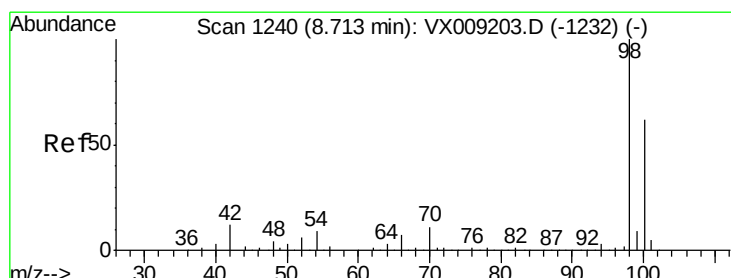
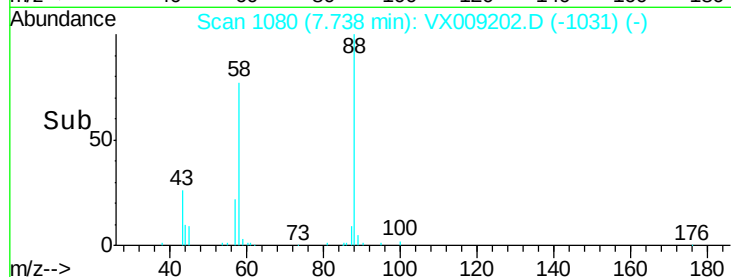
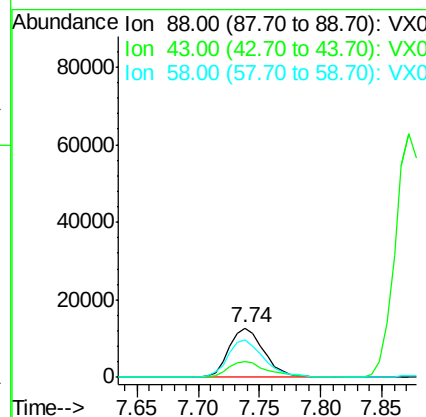
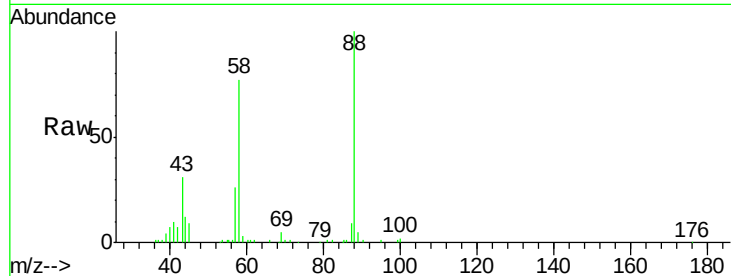
#49
1,4-Dioxane
Concen: 392.397 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	25508
Ion	Ratio	Lower	Upper
88	100		
43	34.7	28.6	42.8
58	78.7	61.7	92.5

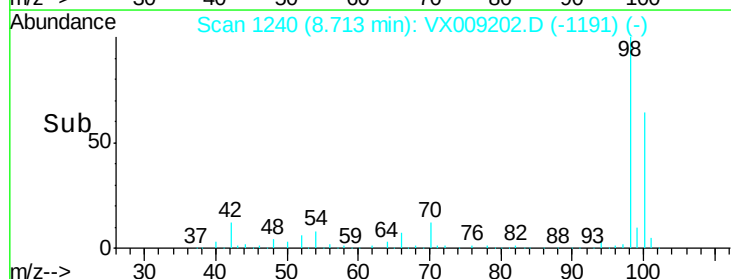
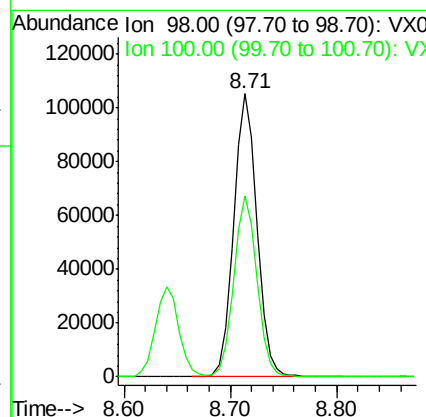
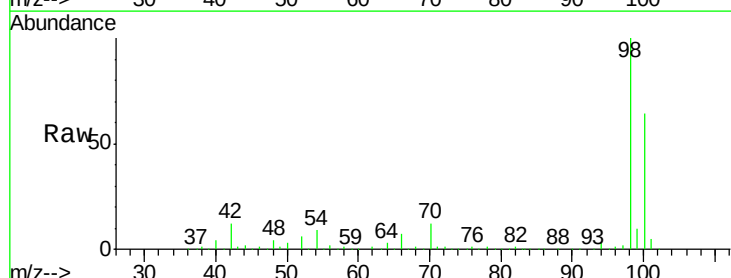
Manual Integrations
APPROVED

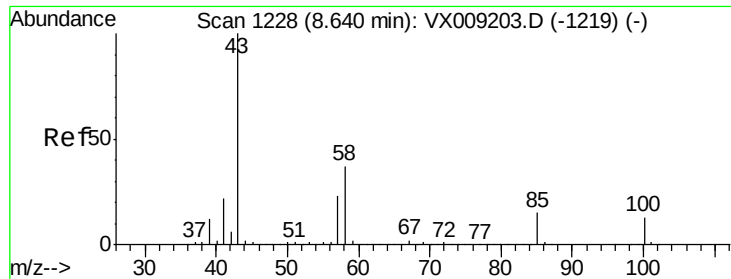
MMDadoda
4/30/2019 11:03:26 AM



#50
Toluene-d8
Concen: 19.472 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Tgt Ion	98	Resp	161719
Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 94.755 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 416936

Ion Ratio Lower Upper

43 100

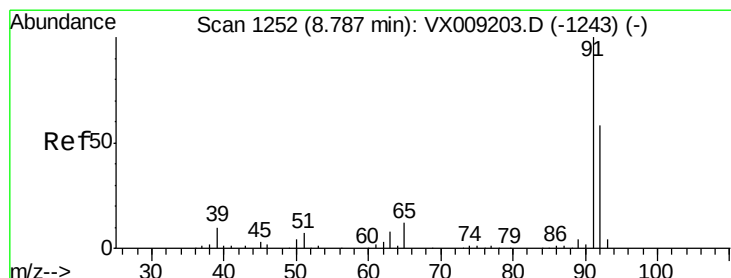
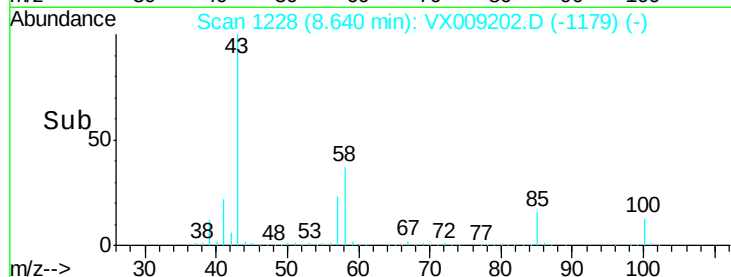
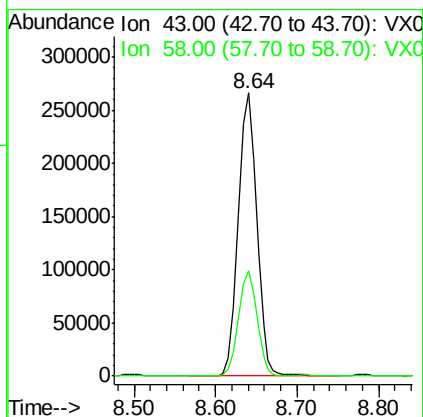
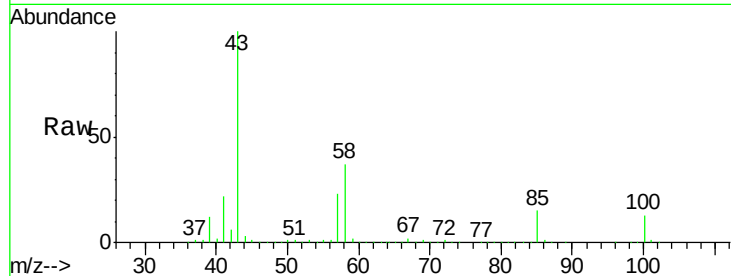
58 37.0 29.5 44.3

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:03:26 AM



#52

Toluene

Concen: 18.263 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009202.D

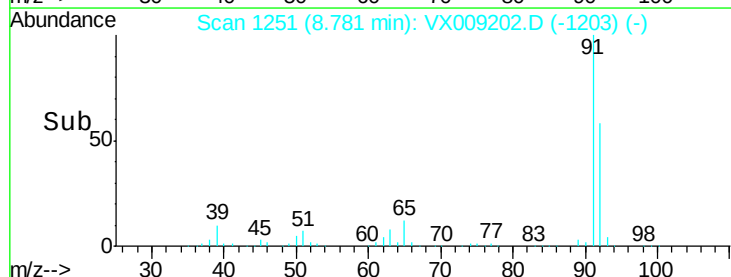
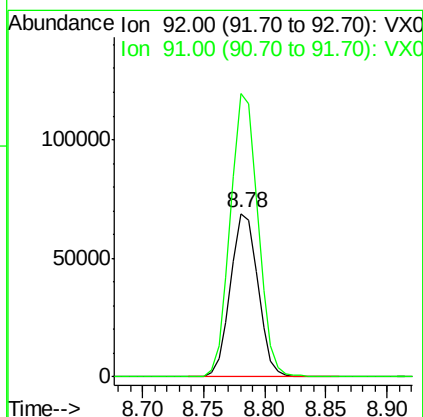
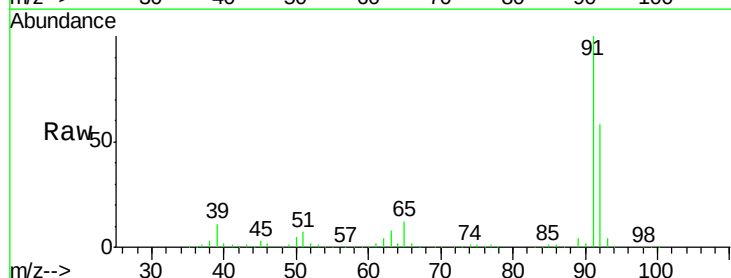
Acq: 29 Apr 2019 12:33

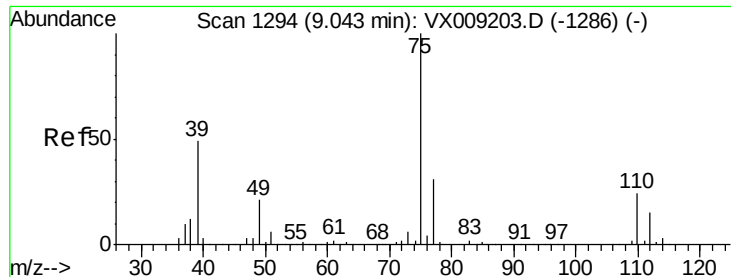
Tgt Ion: 92 Resp: 107317

Ion Ratio Lower Upper

92 100

91 174.3 138.8 208.2





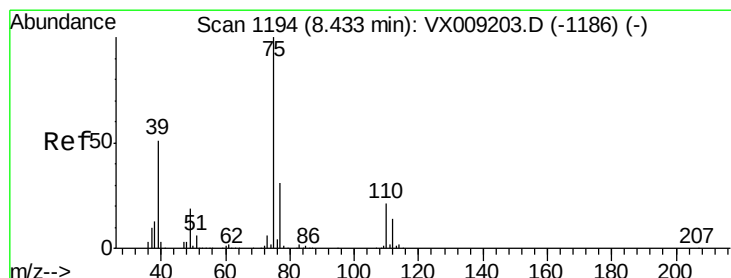
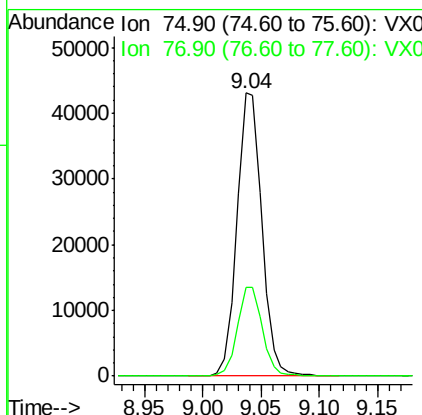
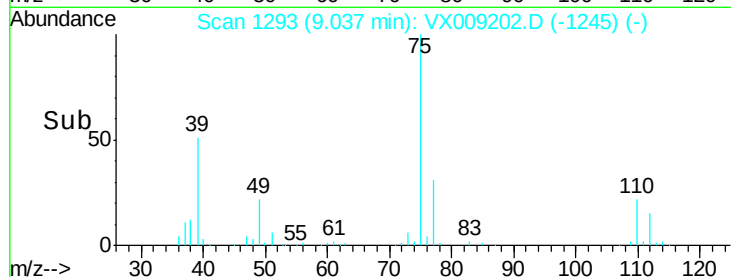
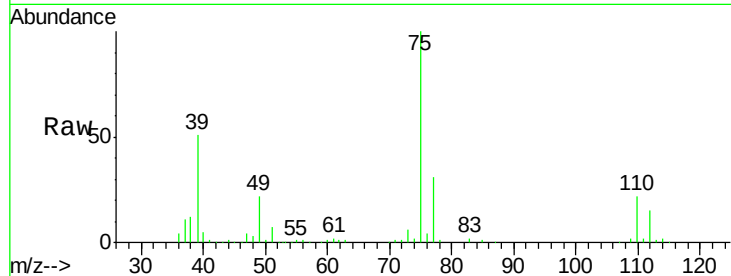
#53
 t-1,3-Dichloropropene
 Concen: 18.122 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: VX009202.D
 Acq: 29 Apr 2019 12:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 75 Resp: 64441
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.0 37.6

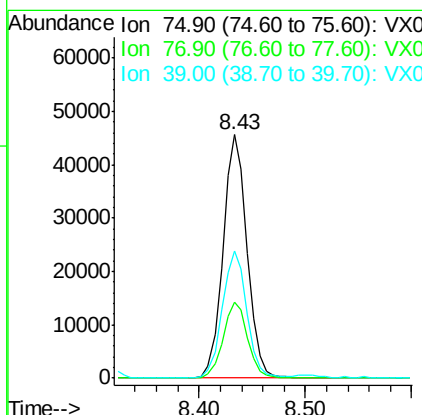
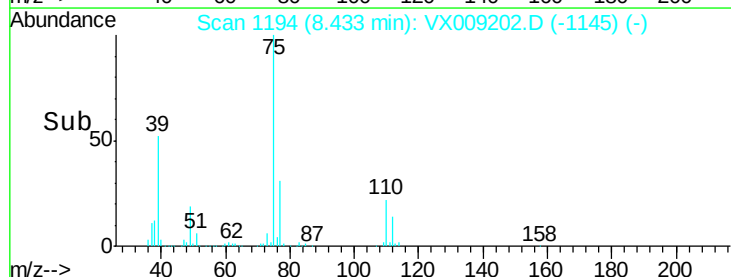
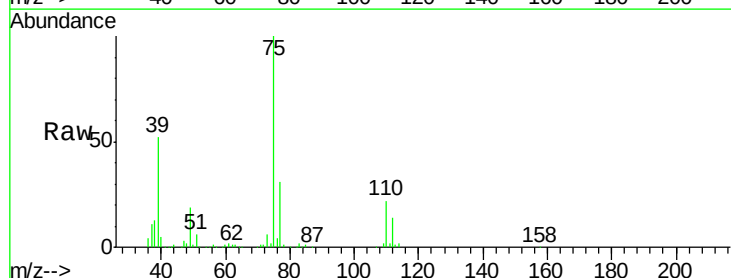
Manual Integrations
 APPROVED

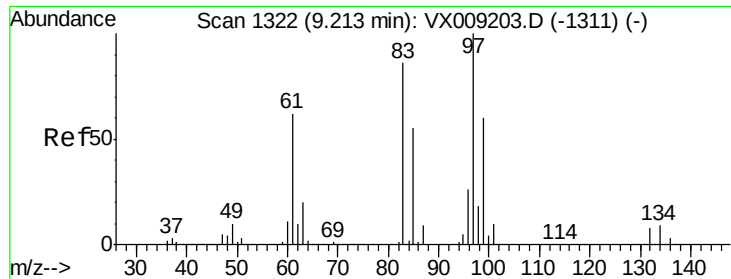
MMDadoda
 4/30/2019 11:03:26 AM



#54
 cis-1,3-Dichloropropene
 Concen: 17.965 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009202.D
 Acq: 29 Apr 2019 12:33

Tgt Ion: 75 Resp: 71785
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.6 36.8
 39 51.9 40.6 60.8





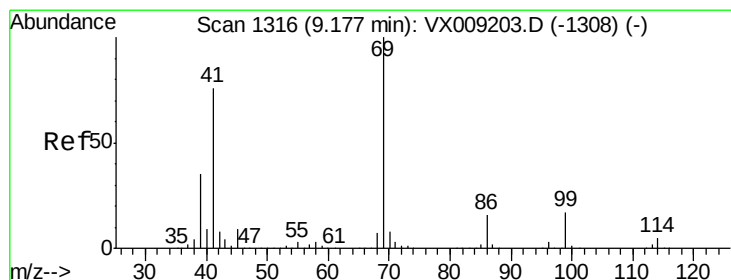
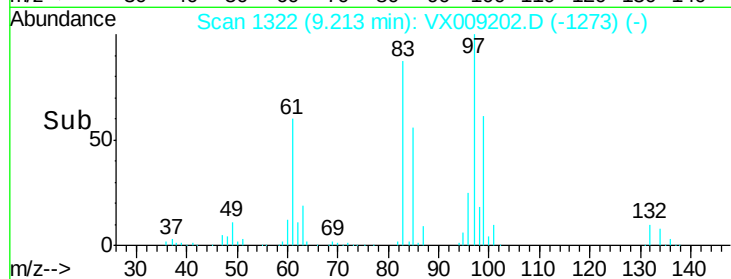
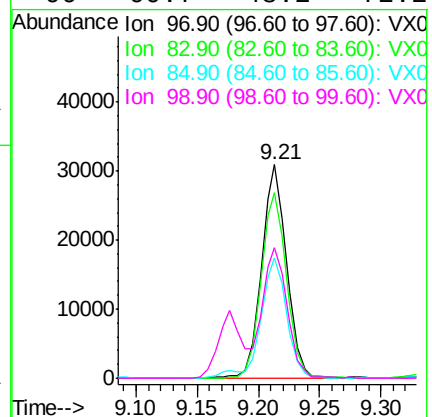
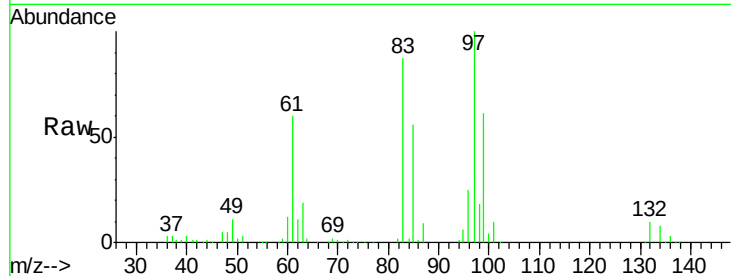
#55
 1,1,2-Trichloroethane
 Concen: 18.931 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009202.D
 Acq: 29 Apr 2019 12:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	44208
Ion	Ratio	Lower	Upper
97	100		
83	87.1	68.9	103.3
85	56.3	43.8	65.6
99	60.7	48.2	72.2

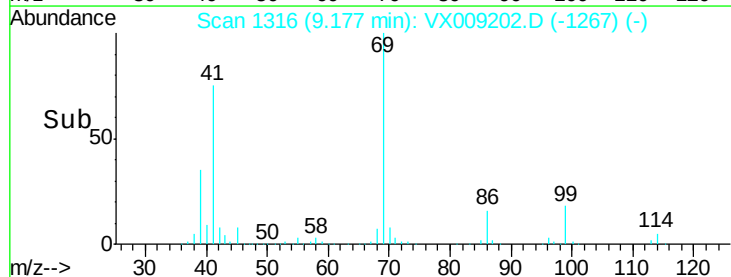
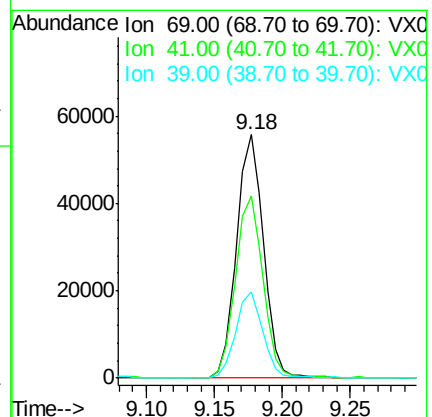
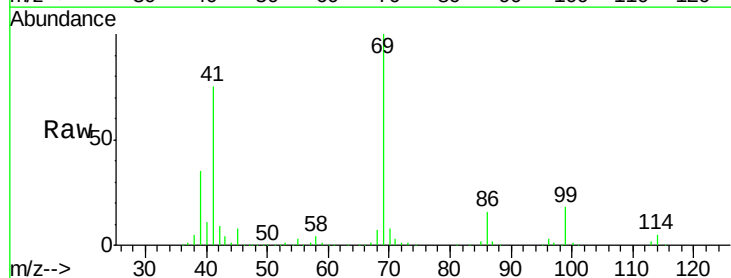
Manual Integrations
 APPROVED

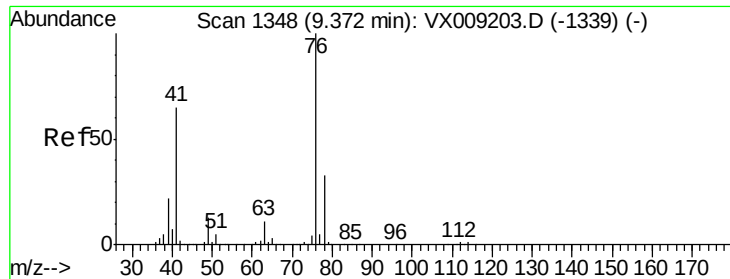
MMDadoda
 4/30/2019 11:03:26 AM



#56
 Ethyl methacrylate
 Concen: 18.502 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009202.D
 Acq: 29 Apr 2019 12:33

Tgt Ion:	69	Resp:	77373
Ion	Ratio	Lower	Upper
69	100		
41	76.3	60.6	90.8
39	34.9	28.2	42.4





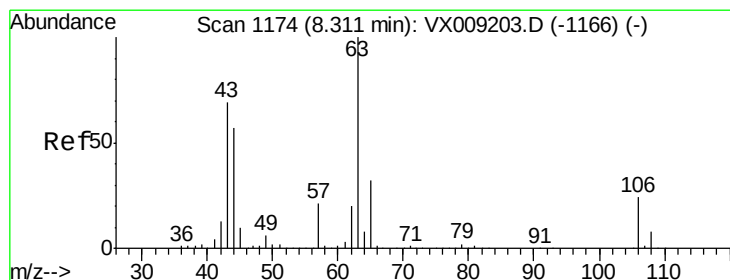
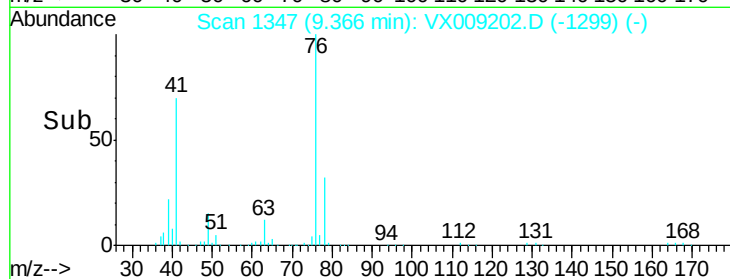
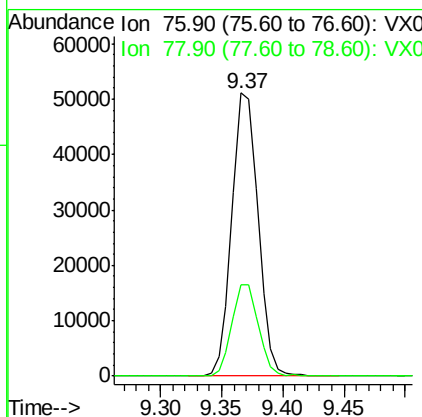
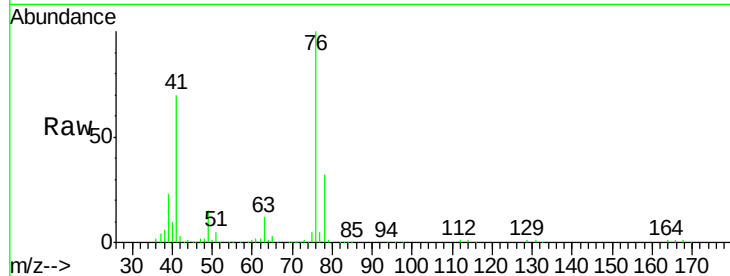
#57
 1,3-Dichloropropane
 Concen: 18.349 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX009202.D
 Acq: 29 Apr 2019 12:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.5	38.3

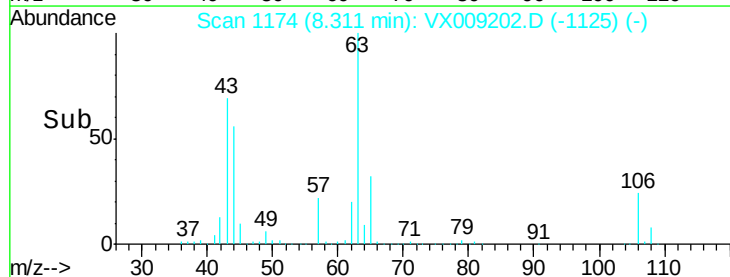
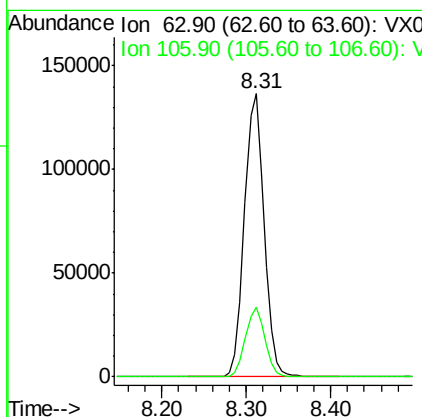
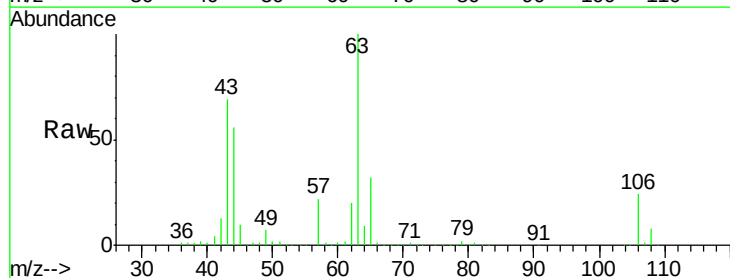
Manual Integrations
 APPROVED

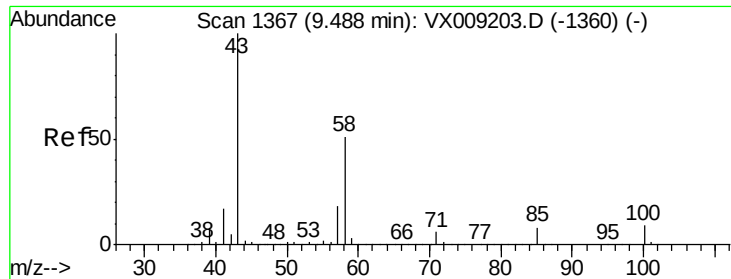
MMDadoda
 4/30/2019 11:03:26 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.702 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009202.D
 Acq: 29 Apr 2019 12:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.4	19.7	29.5





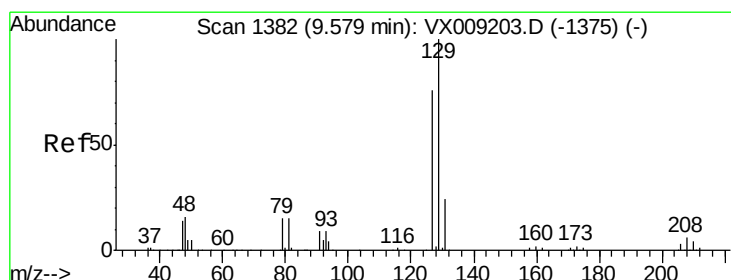
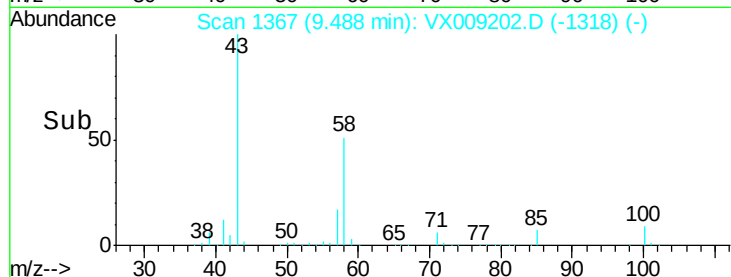
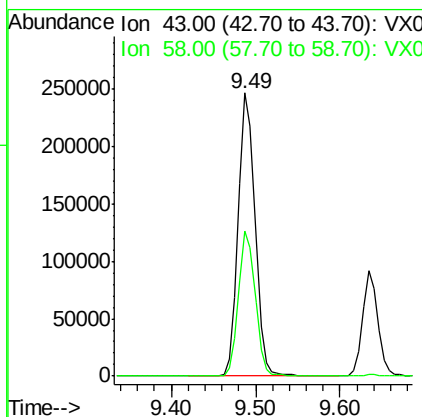
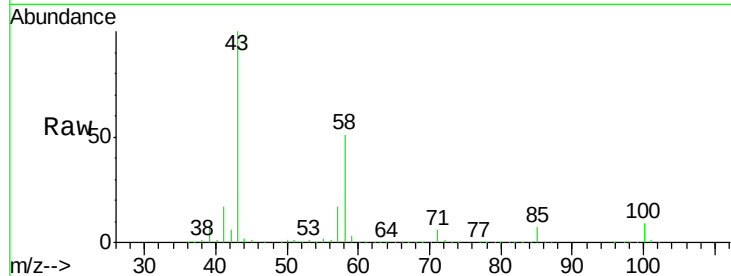
#59
2-Hexanone
Concen: 97.051 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 330950
Ion Ratio Lower Upper
43 100
58 51.0 25.9 77.7

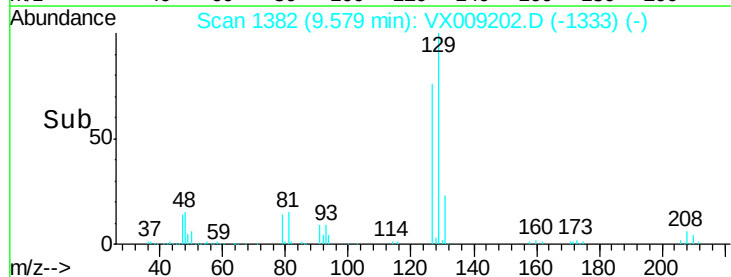
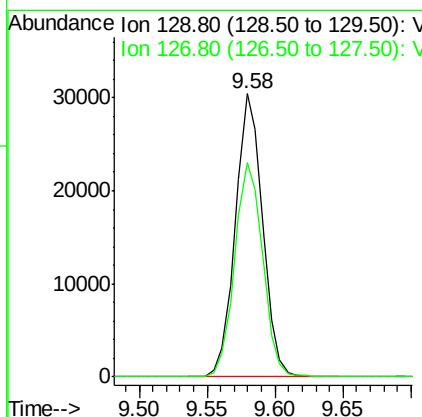
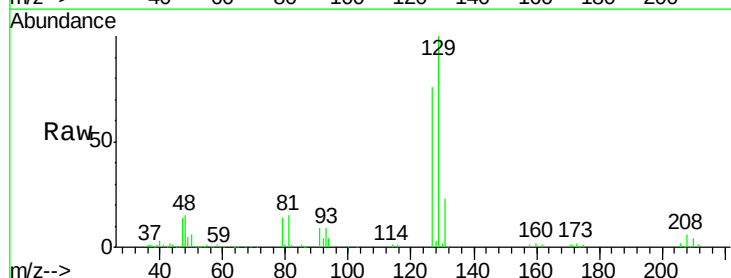
Manual Integrations
APPROVED

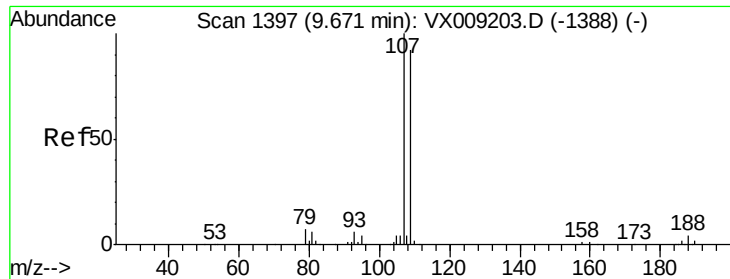
MMDadoda
4/30/2019 11:03:26 AM



#60
Dibromochloromethane
Concen: 18.951 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Tgt Ion: 129 Resp: 42409
Ion Ratio Lower Upper
129 100
127 77.9 38.4 115.1





#61

1,2-Dibromoethane

Concen: 18.394 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 44147

Ion Ratio Lower Upper

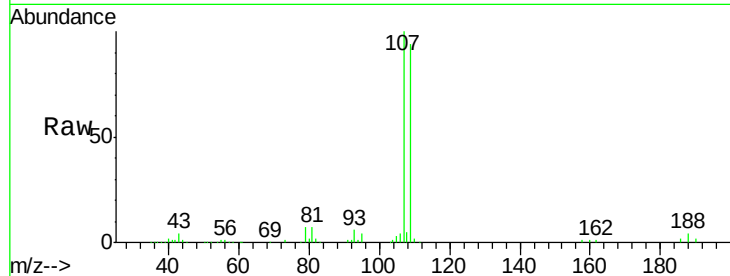
107 100

109 94.8 75.2 112.8

Manual Integrations
APPROVED

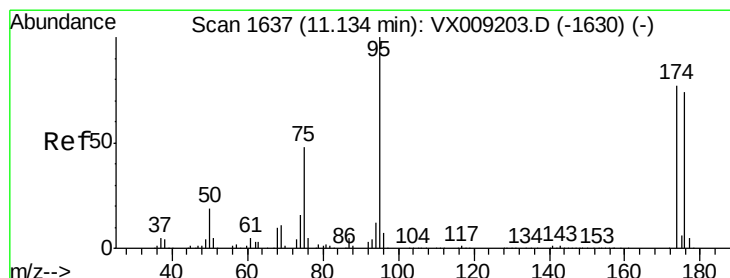
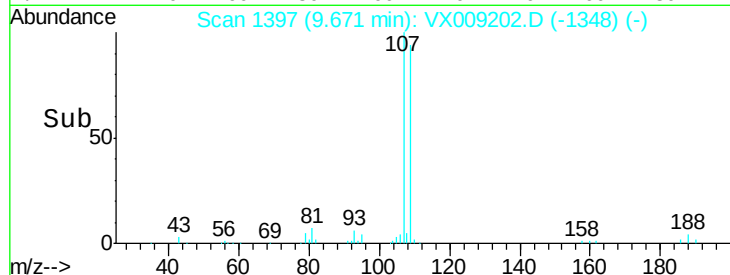
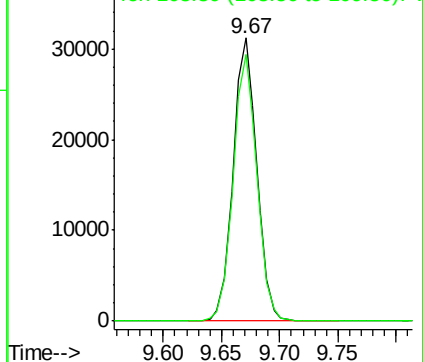
MMDadoda

4/30/2019 11:03:26 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 19.101 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

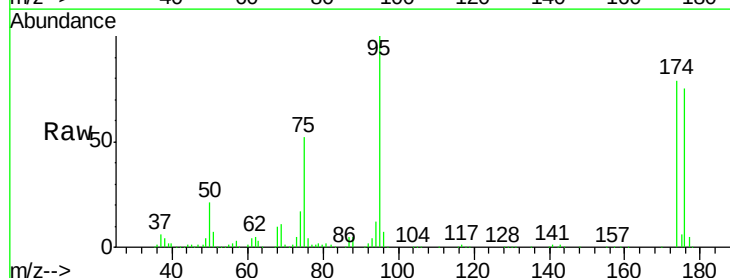
Tgt Ion: 95 Resp: 56217

Ion Ratio Lower Upper

95 100

174 81.5 0.0 161.6

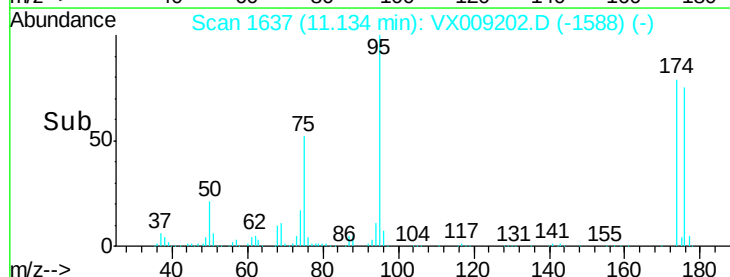
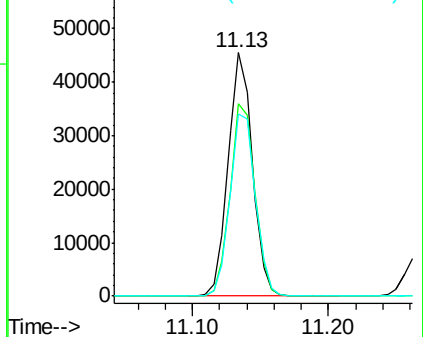
176 79.1 0.0 159.2

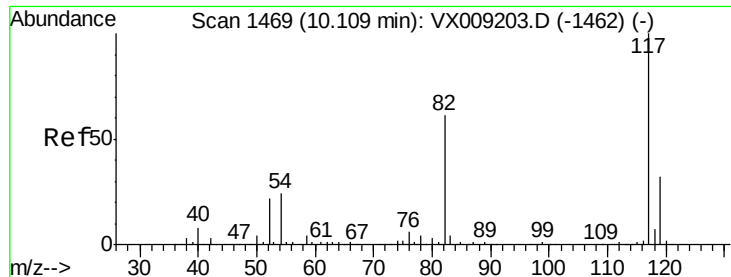


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





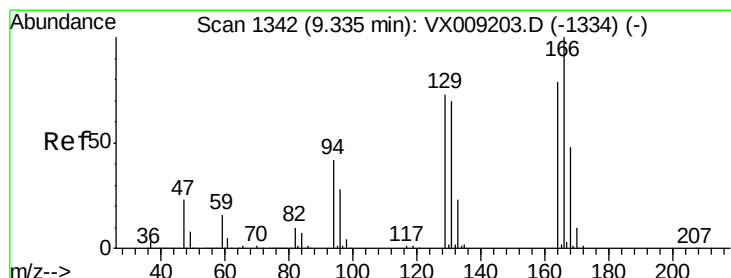
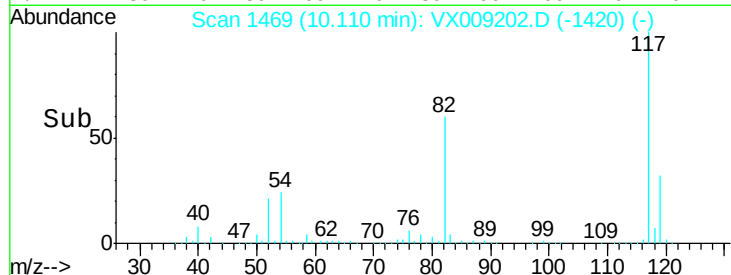
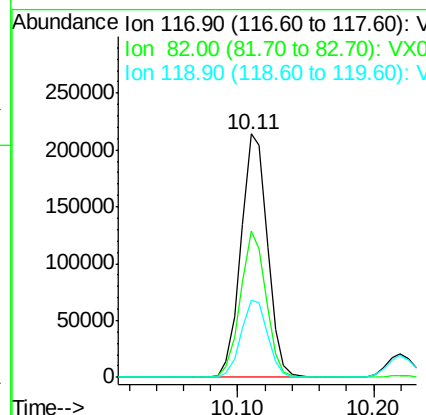
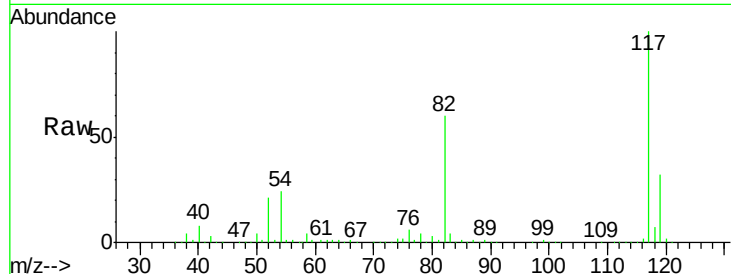
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	48.8	73.2
119	31.7	25.8	38.6

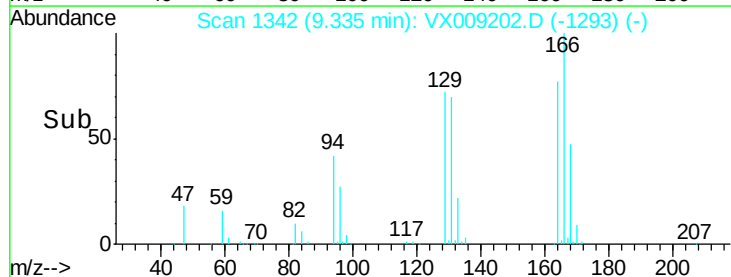
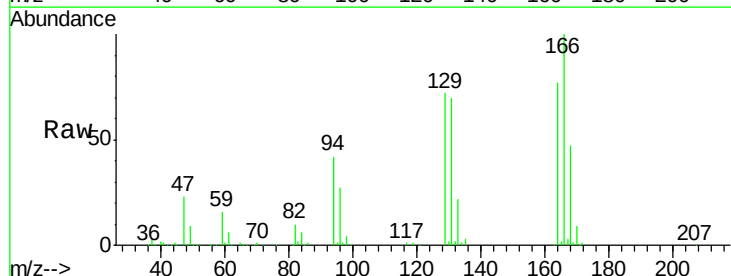
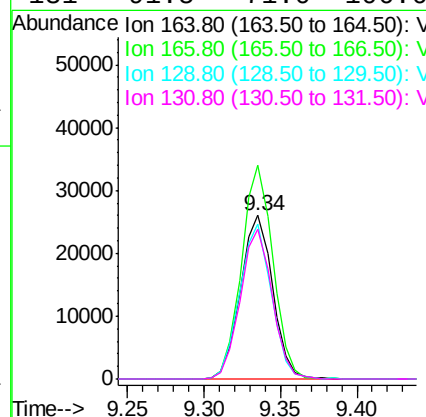
Manual Integrations
APPROVED

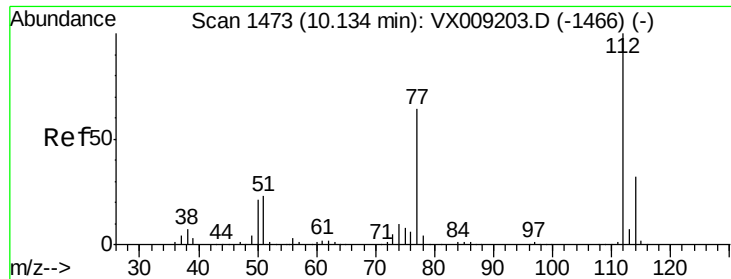
MMDadoda
4/30/2019 11:03:26 AM



#64
Tetrachloroethene
Concen: 17.514 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	101.2	151.8
129	94.5	74.3	111.5
131	91.5	71.0	106.6





#65

Chlorobenzene

Concen: 18.061 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:112 Resp: 110205

Ion Ratio Lower Upper

112 100

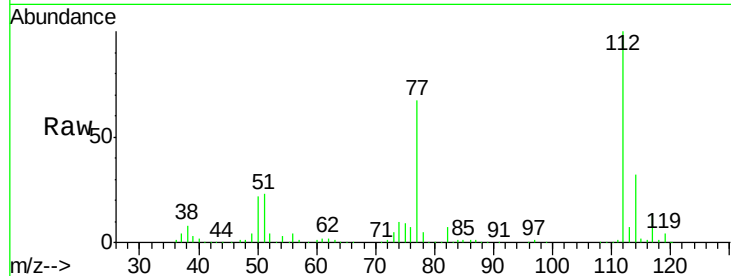
114 31.9 25.5 38.3

Manual Integrations

APPROVED

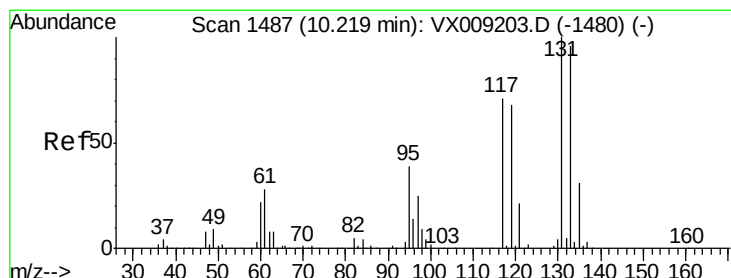
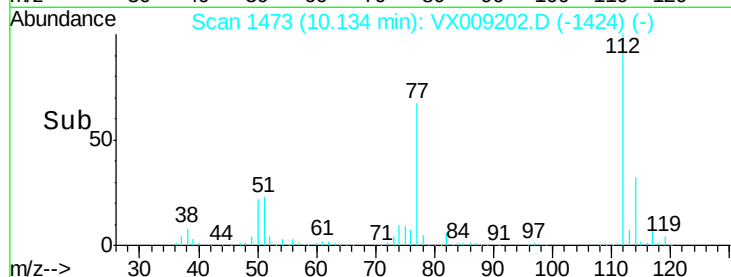
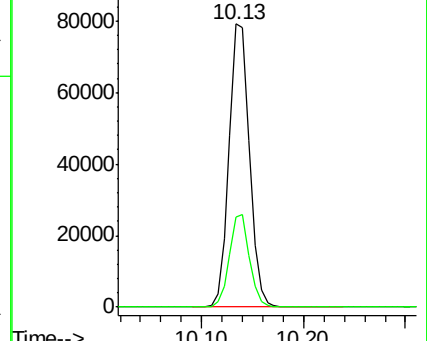
MMDadoda

4/30/2019 11:03:26 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.402 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

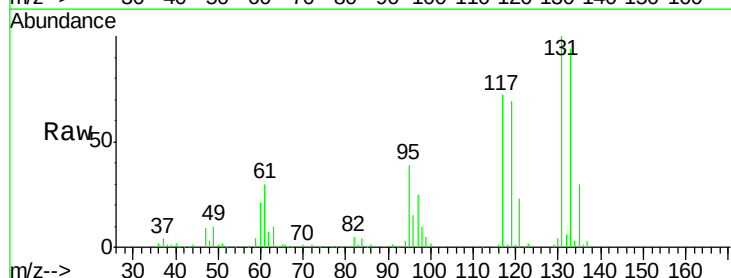
Tgt Ion:131 Resp: 39529

Ion Ratio Lower Upper

131 100

133 94.2 47.7 143.1

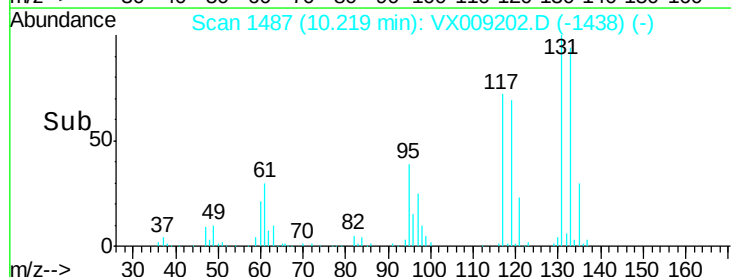
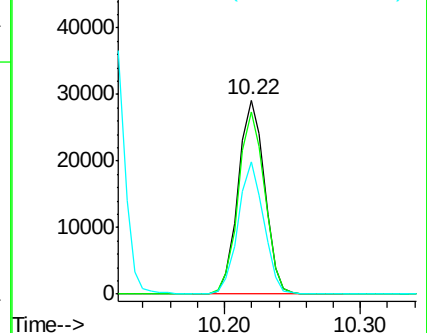
119 66.3 33.5 100.4

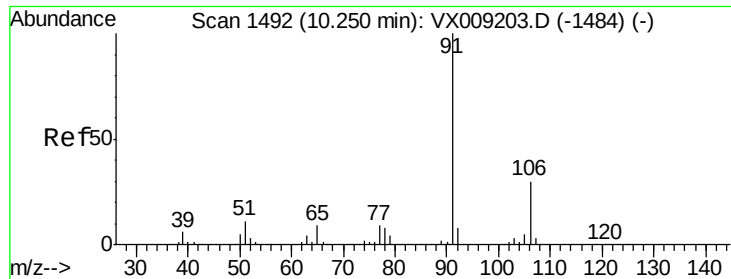


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





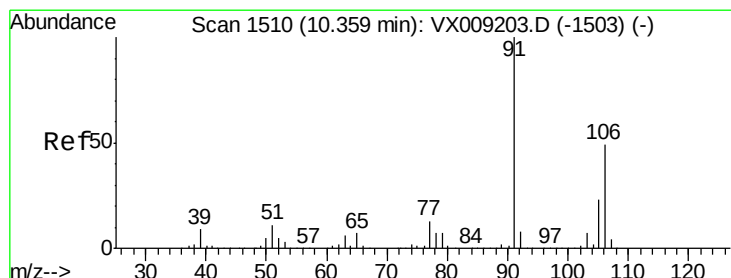
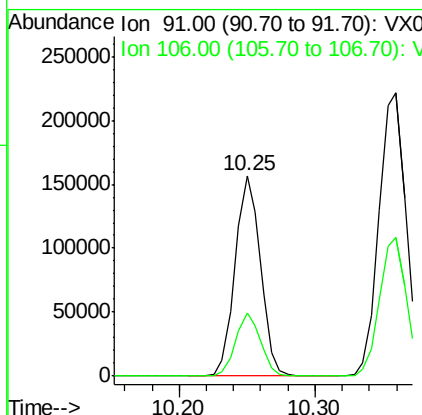
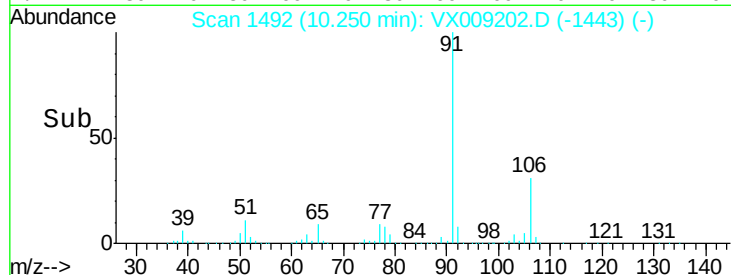
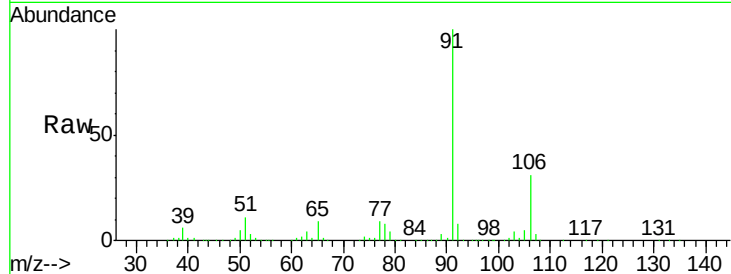
#67
Ethyl Benzene
Concen: 18.300 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 203894
Ion Ratio Lower Upper
91 100
106 31.4 24.0 36.0

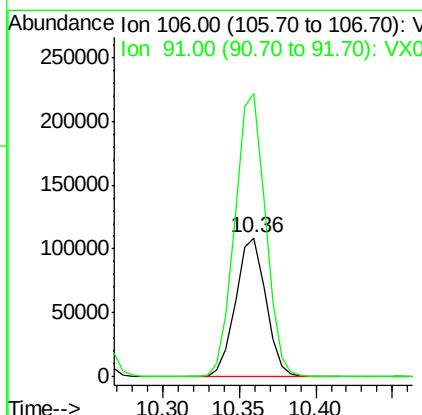
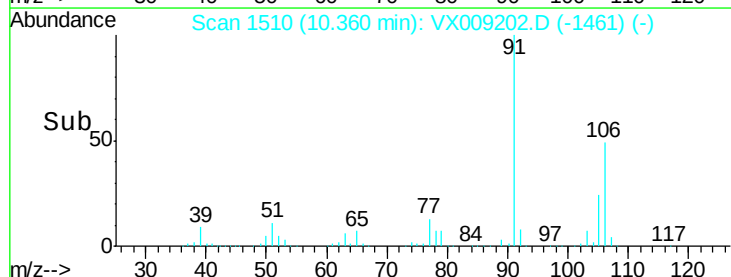
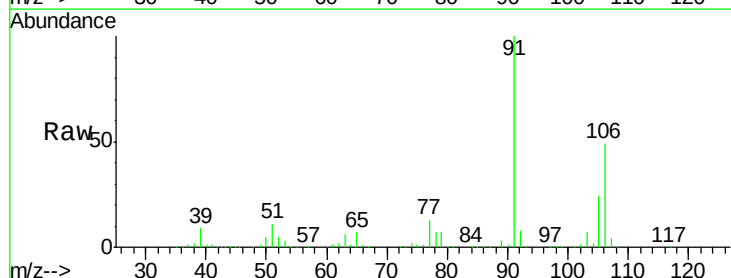
Manual Integrations
APPROVED

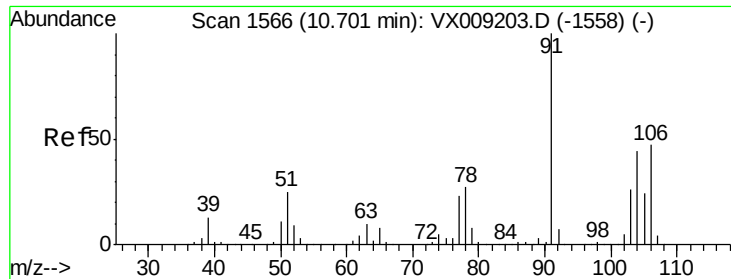
MMDadoda
4/30/2019 11:03:26 AM



#68
m/p-Xylenes
Concen: 36.657 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Tgt Ion: 106 Resp: 148862
Ion Ratio Lower Upper
106 100
91 207.1 164.0 246.0





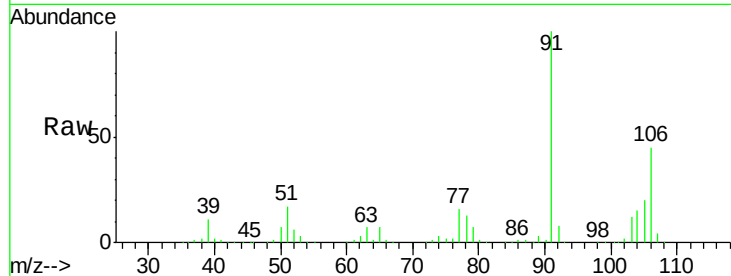
#69
o-Xylene
Concen: 18.579 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

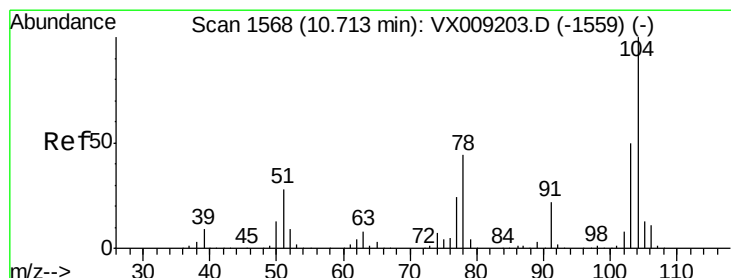
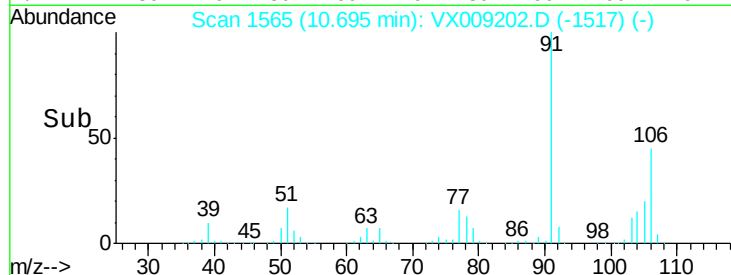
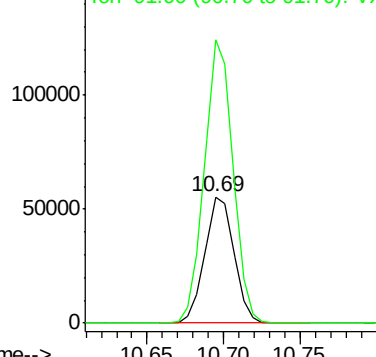
Tot Ion:106 Resp: 73412
Ion Ratio Lower Upper
106 100
91 219.9 109.5 328.4

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:26 AM

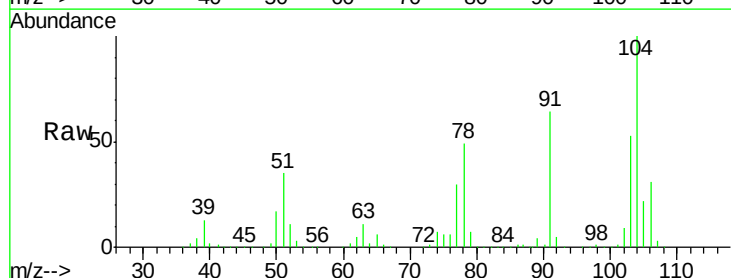


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

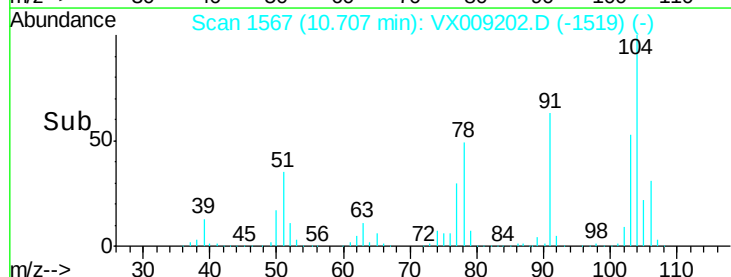
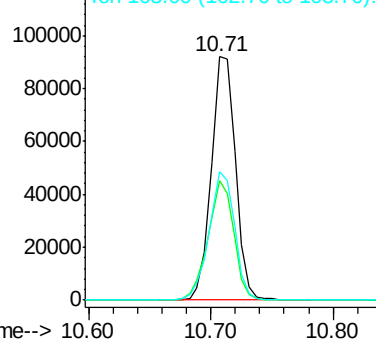


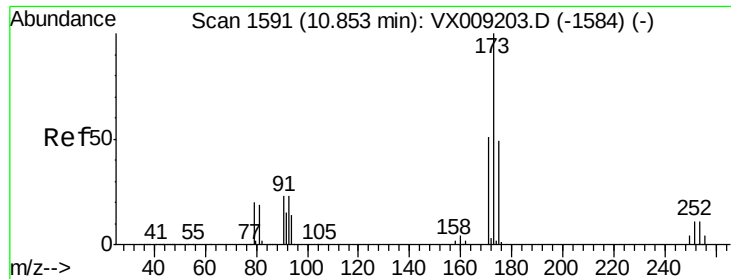
#70
Styrene
Concen: 18.366 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Tgt Ion:104 Resp: 126033
Ion Ratio Lower Upper
104 100
78 52.1 41.0 61.4
103 55.8 43.8 65.6



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





#71

Bromoform

Concen: 18.021 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 30905

Ion Ratio Lower Upper

173 100

175 47.7 24.5 73.5

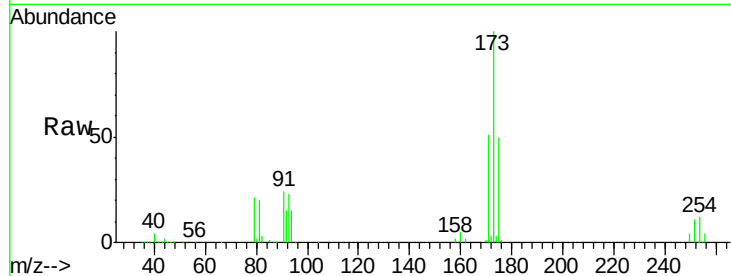
254 0.1 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

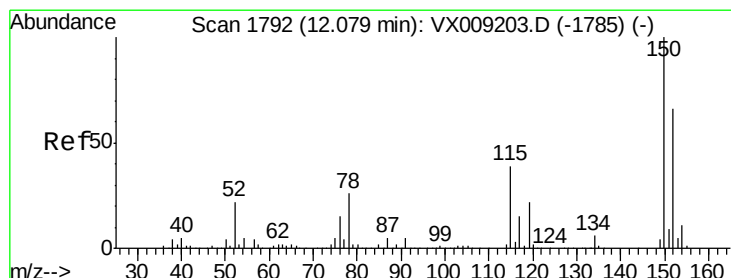
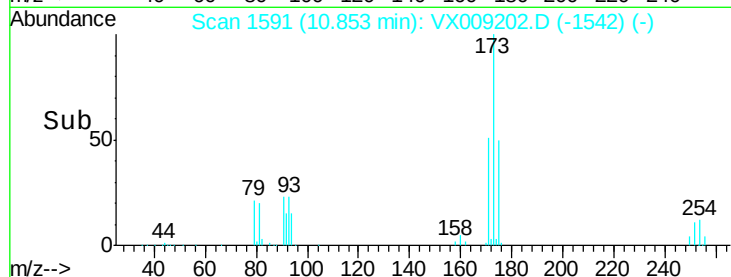
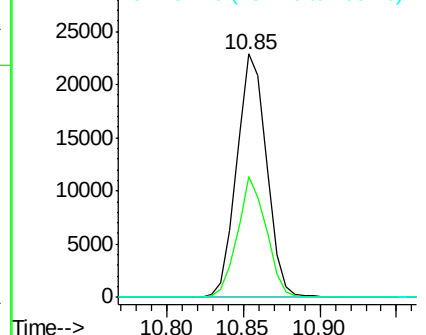
4/30/2019 11:03:26 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

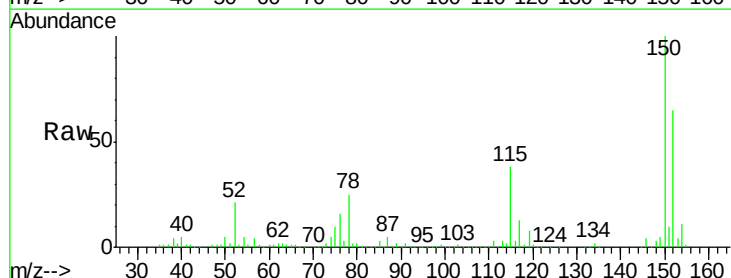
Tgt Ion:152 Resp: 136365

Ion Ratio Lower Upper

152 100

115 67.4 41.2 123.6

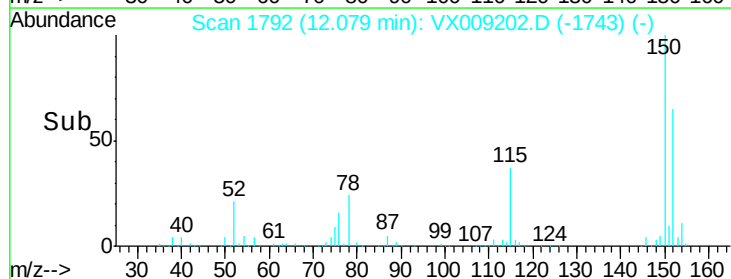
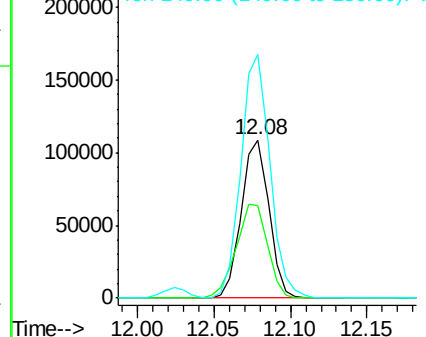
150 161.2 0.0 346.4

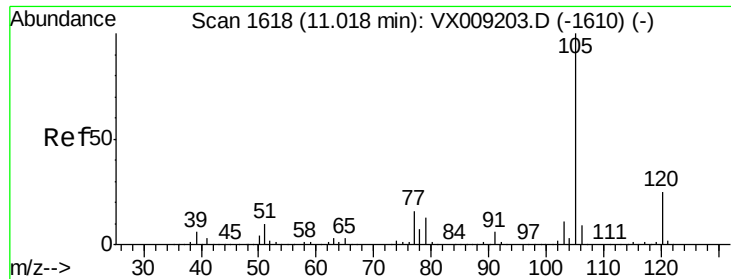


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.868 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 193811

Ion Ratio Lower Upper

105 100

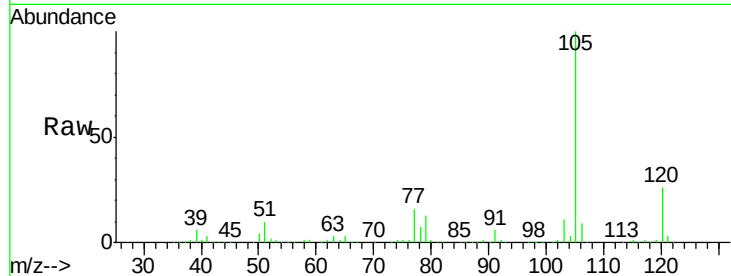
120 25.8 12.8 38.3

Manual Integrations

APPROVED

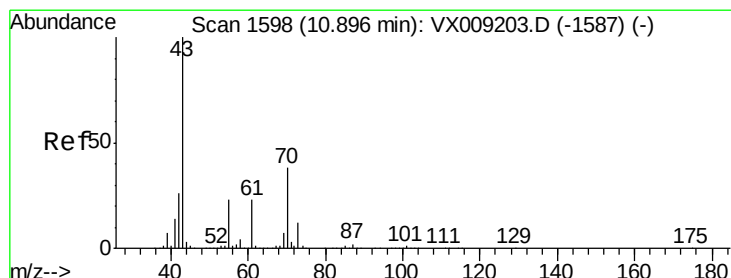
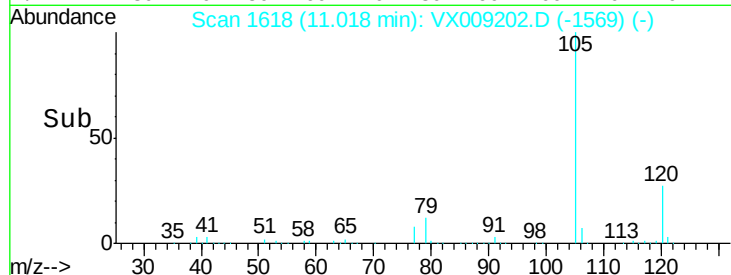
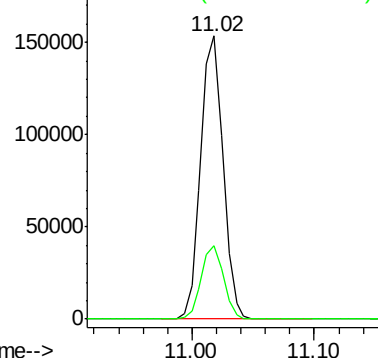
MMDadoda

4/30/2019 11:03:26 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.653 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Tgt Ion: 43 Resp: 110594

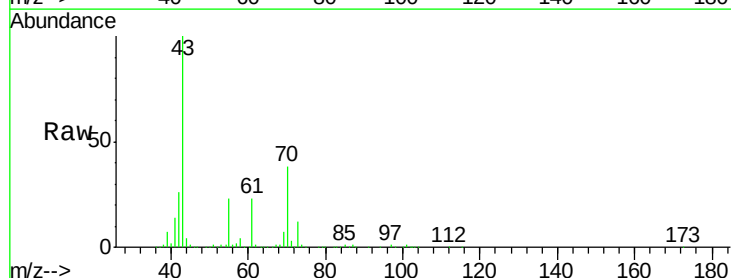
Ion Ratio Lower Upper

43 100

70 37.4 30.0 45.0

55 23.2 17.9 26.9

61 22.4 18.4 27.6

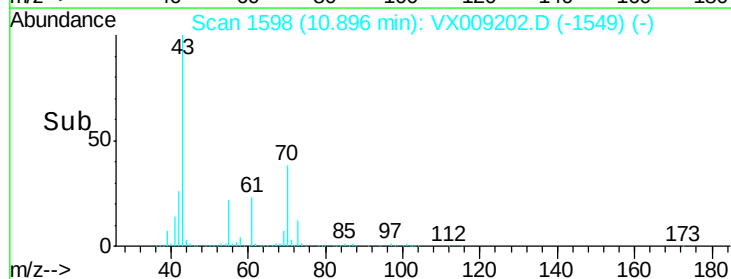
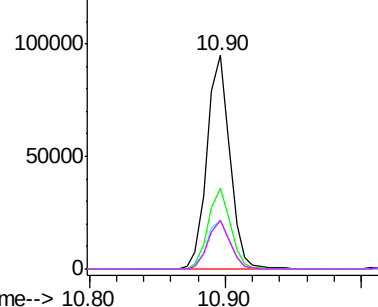


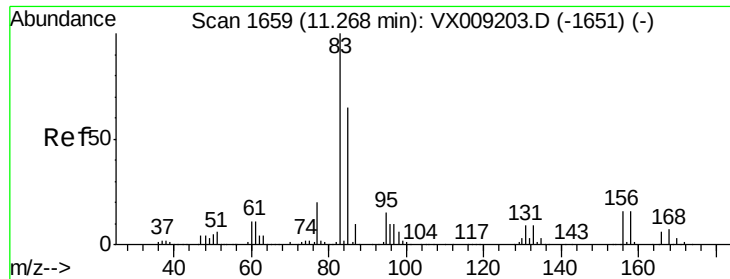
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.736 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Instrument :

MSVOA_X

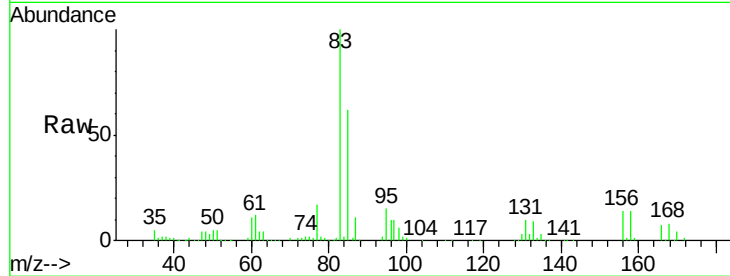
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	70730
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.6	13.8
85	64.4	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:26 AM

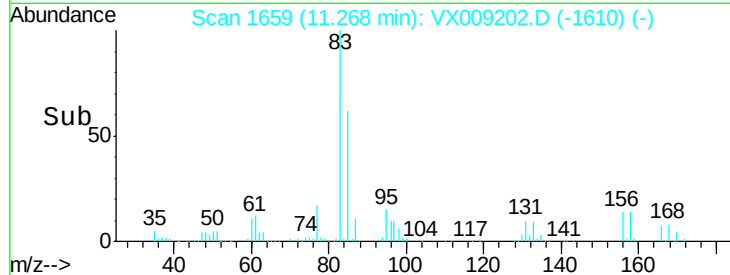


Abundance Ion 82.90 (82.60 to 83.60): VX0

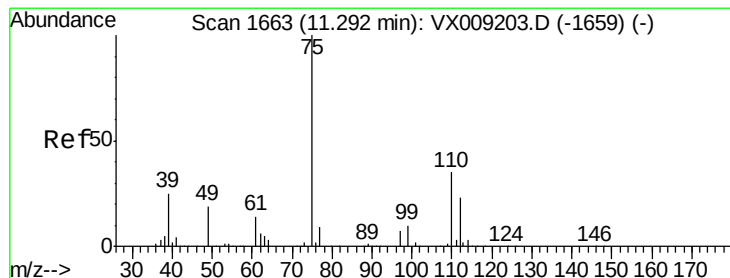
Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 18.794 ug/l m

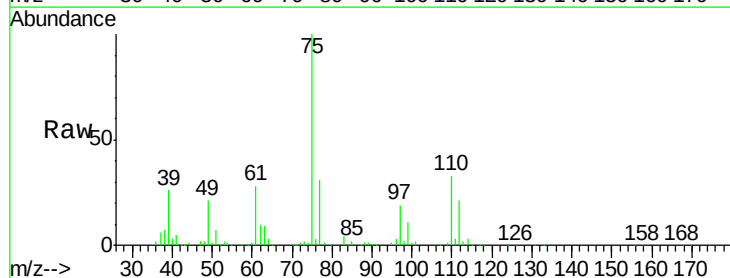
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

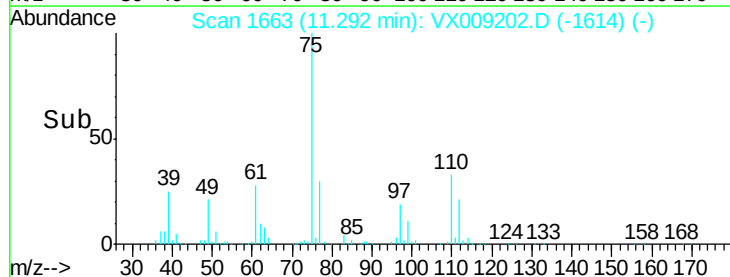
Tgt Ion:	75	Resp:	62336
Ion Ratio	Lower	Upper	
75	100		
77	41.8	22.1	66.1



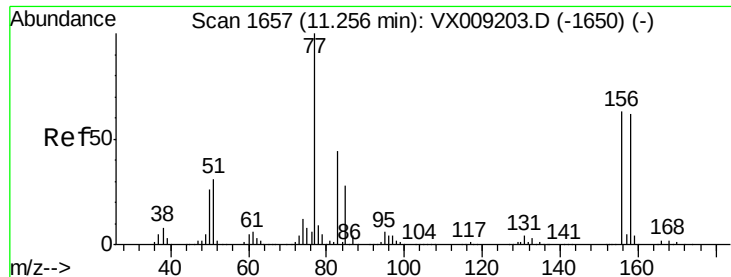
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

Time-->



Time-->



#77

Bromobenzene

Concen: 18.299 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 47440

Ion Ratio Lower Upper

156 100

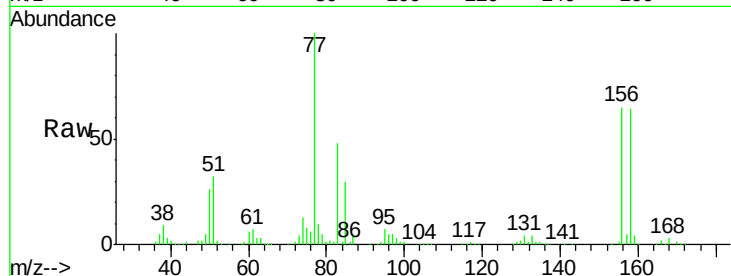
77 170.9 84.8 254.3

158 97.5 49.1 147.3

Manual Integrations
APPROVED

MMDadoda

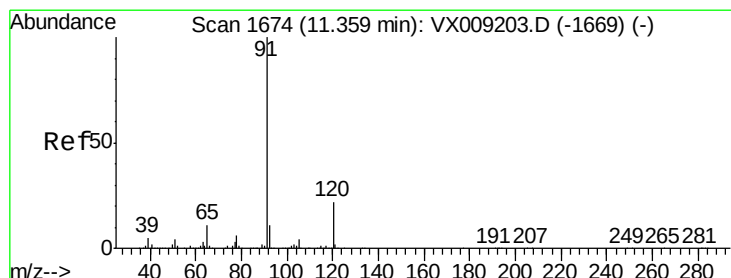
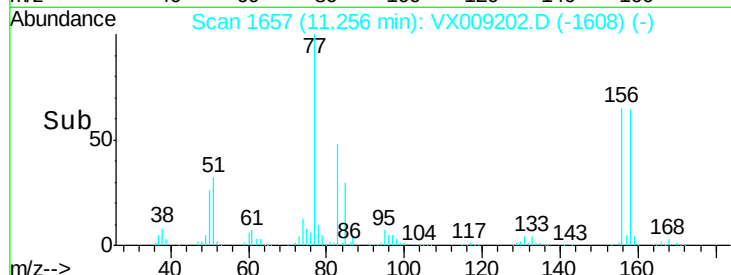
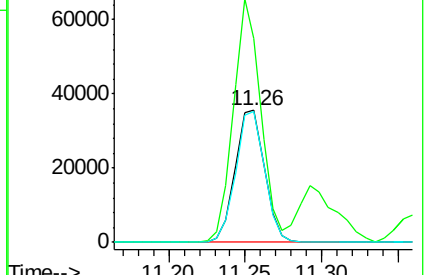
4/30/2019 11:03:26 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.788 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009202.D

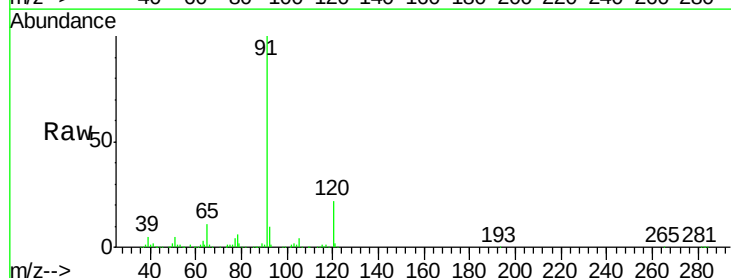
Acq: 29 Apr 2019 12:33

Tgt Ion: 91 Resp: 221055

Ion Ratio Lower Upper

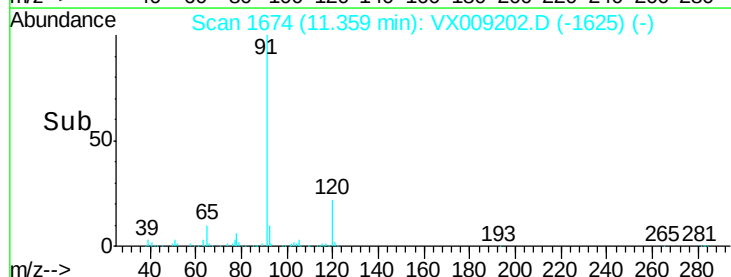
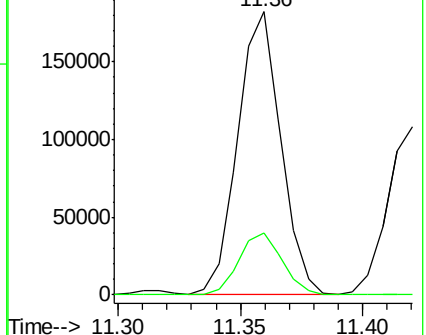
91 100

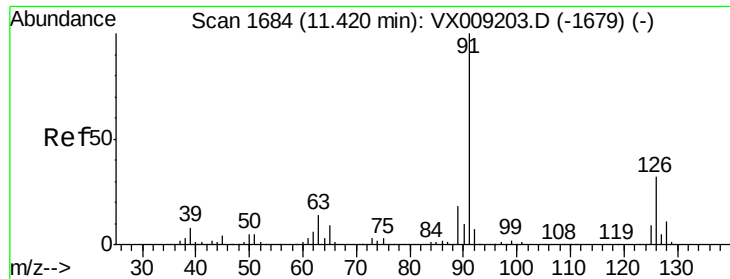
120 22.3 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.747 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 133261

Ion Ratio Lower Upper

91 100

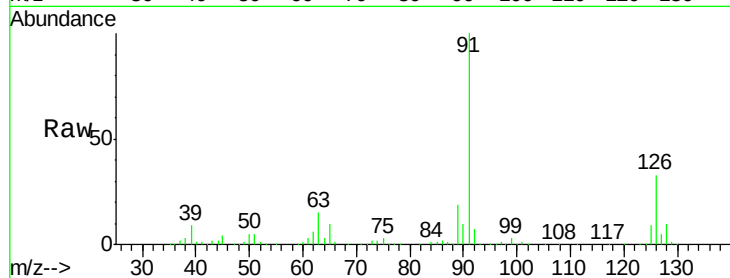
126 33.1 16.3 48.9

Manual Integrations

APPROVED

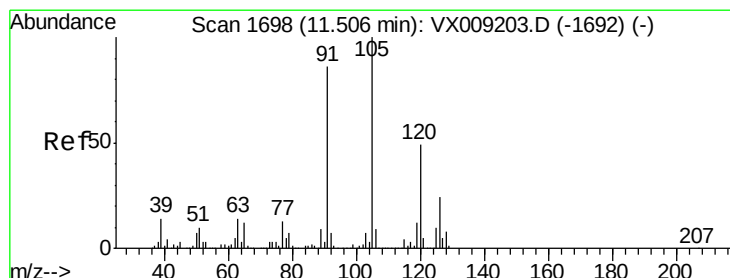
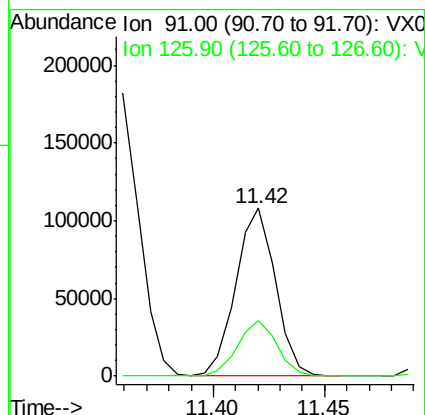
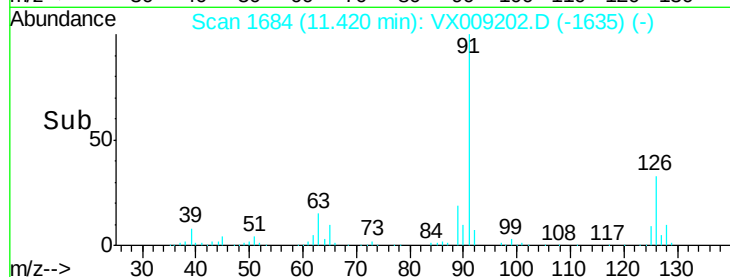
MMDadoda

4/30/2019 11:03:26 AM



Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX009203.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.138 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009202.D

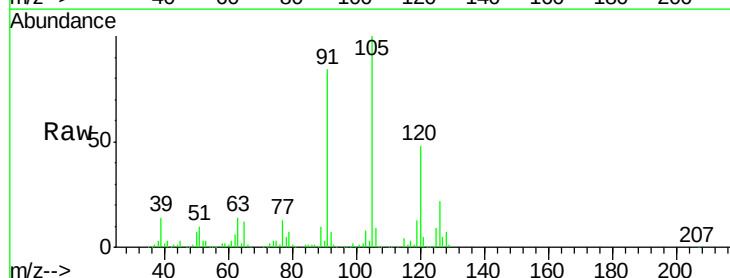
Acq: 29 Apr 2019 12:33

Tgt Ion: 105 Resp: 165072

Ion Ratio Lower Upper

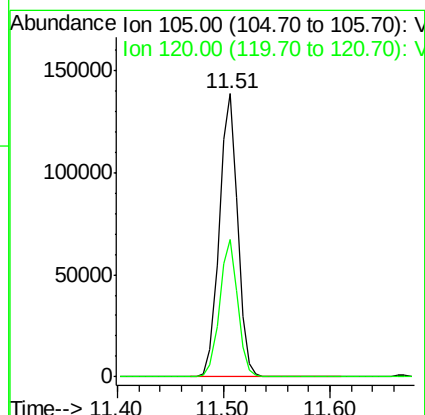
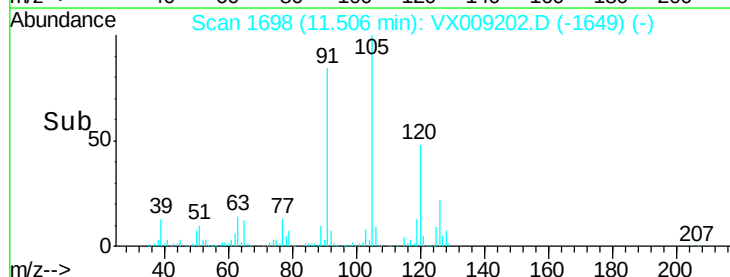
105 100

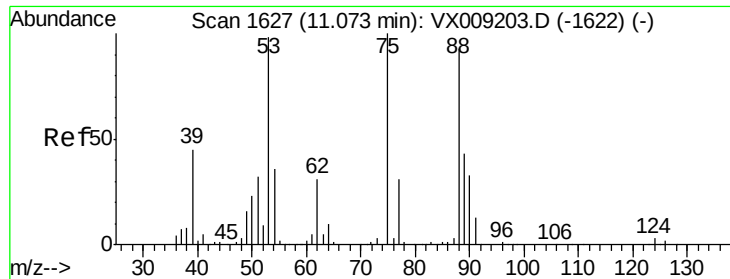
120 47.6 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009203.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009203.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.962 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 22984

Ion Ratio Lower Upper

75 100

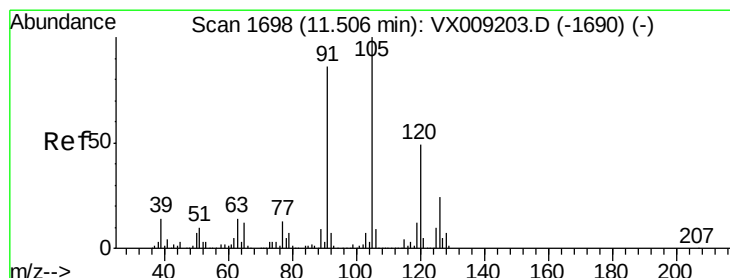
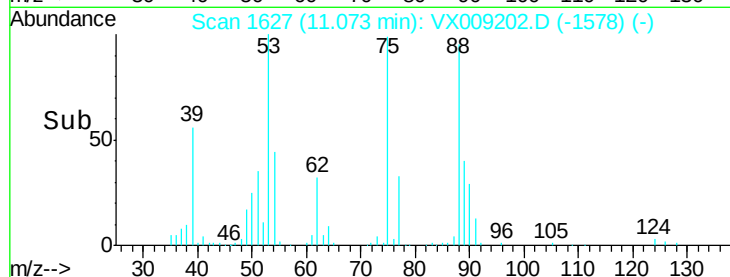
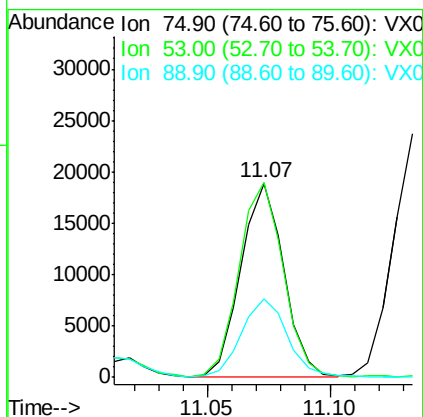
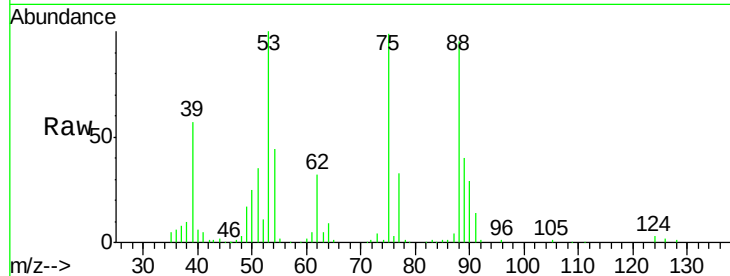
53 103.3 79.0 118.6

89 43.8 34.7 52.1

Manual Integrations
APPROVED

MMDadoda

4/30/2019 11:03:26 AM



#82

4-Chlorotoluene

Concen: 18.457 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009202.D

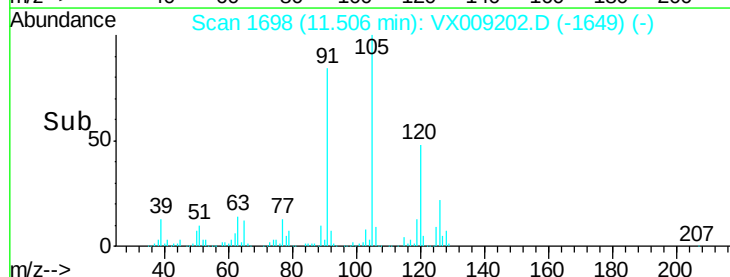
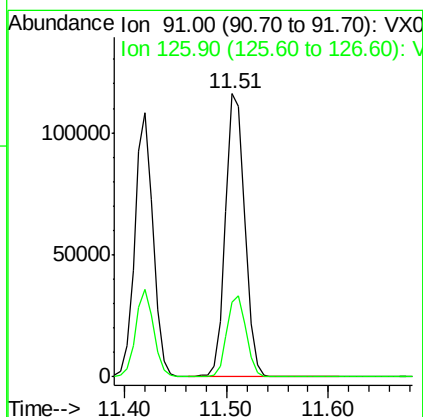
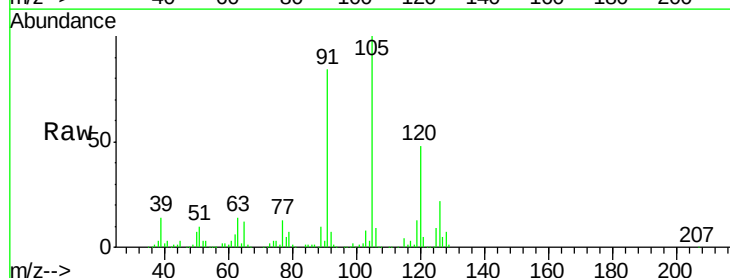
Acq: 29 Apr 2019 12:33

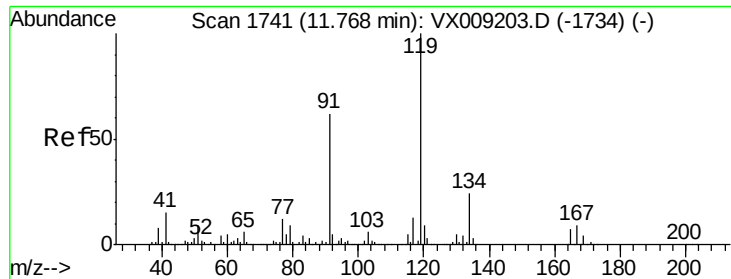
Tgt Ion: 91 Resp: 152253

Ion Ratio Lower Upper

91 100

126 28.5 14.5 43.6





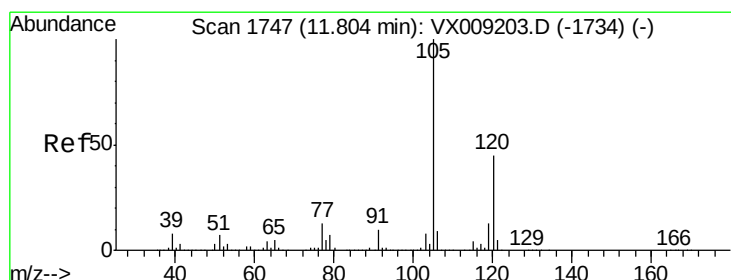
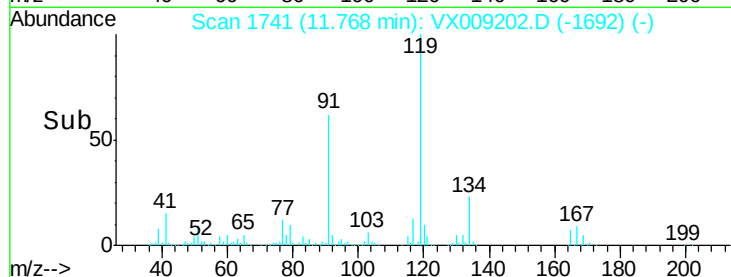
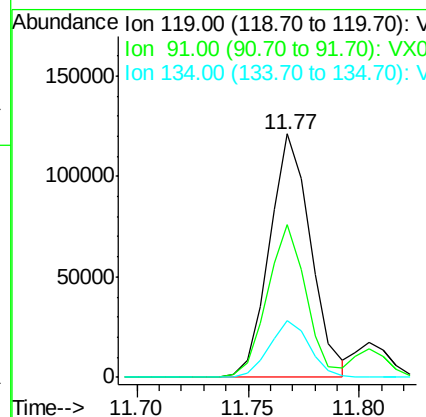
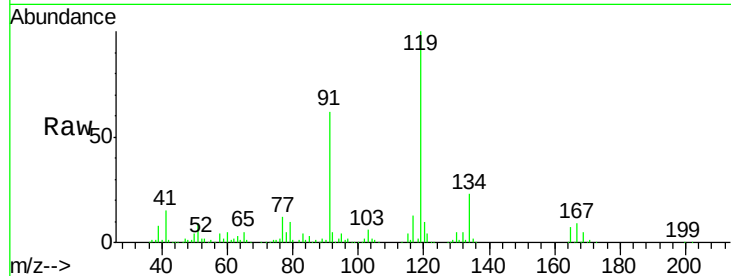
#83
tert-Butylbenzene
Concen: 18.729 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	155594		
91	59.6	29.5	88.5	
134	22.7	11.4	34.1	

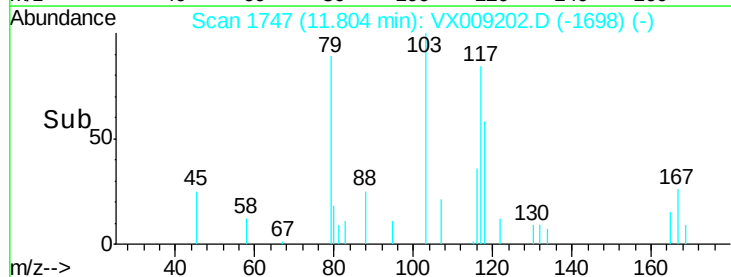
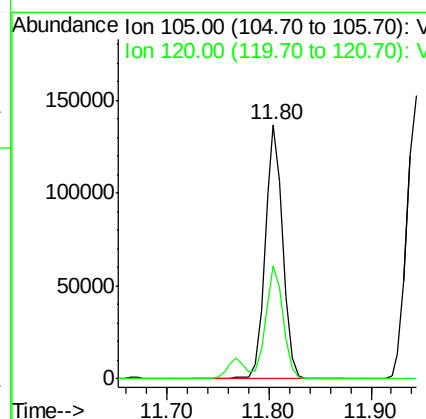
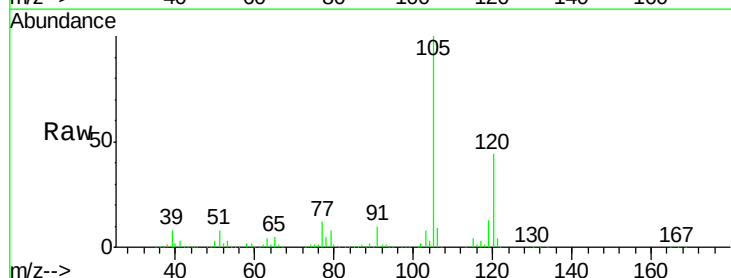
Manual Integrations
APPROVED

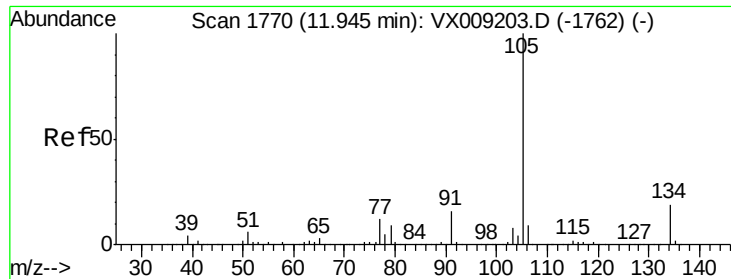
MMDadoda
4/30/2019 11:03:26 AM



#84
1,2,4-Trimethylbenzene
Concen: 18.741 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	164667		
120	44.5	22.0	66.0	





#85

sec-Butylbenzene

Concen: 18.854 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 186398

Ion Ratio Lower Upper

105 100

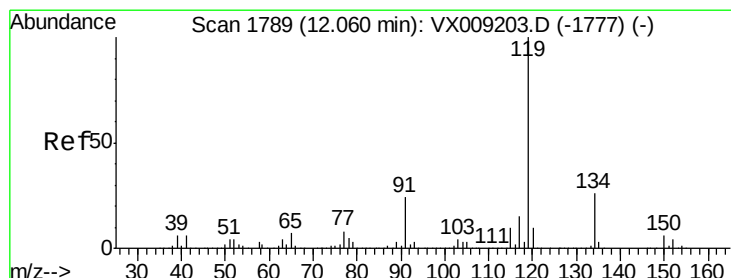
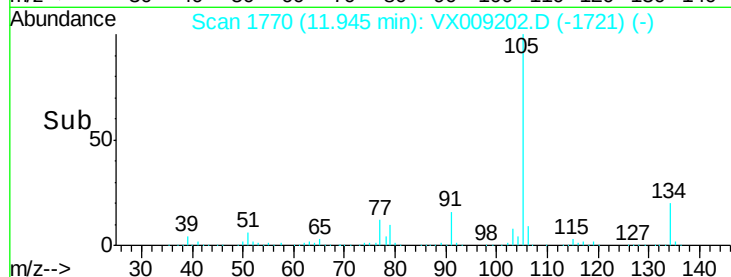
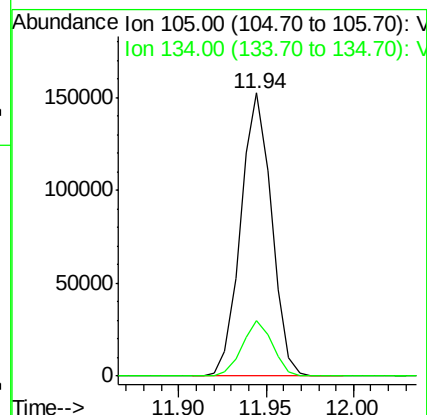
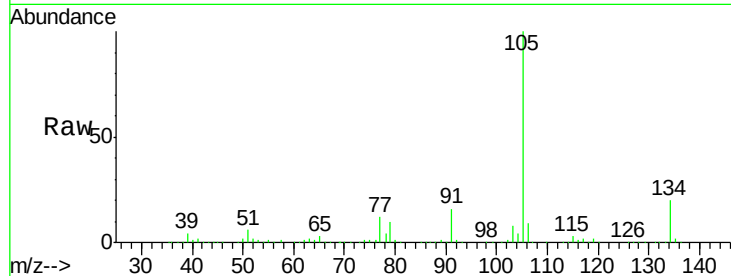
134 19.4 9.7 28.9

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:03:26 AM



#86

p-Isopropyltoluene

Concen: 18.550 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

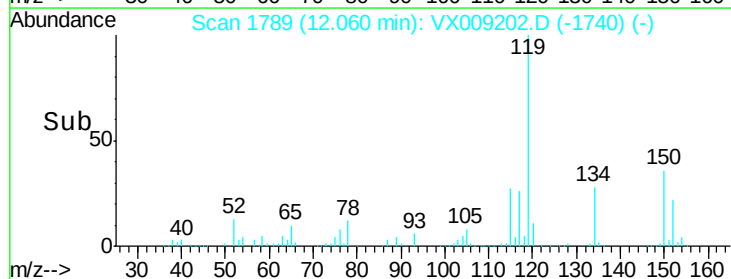
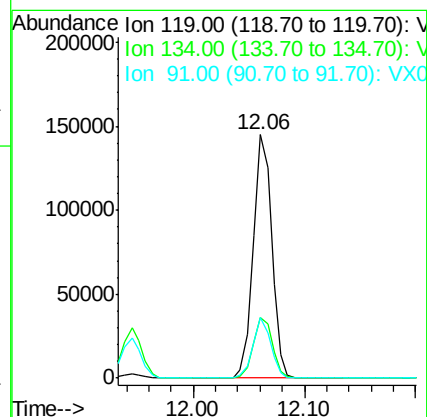
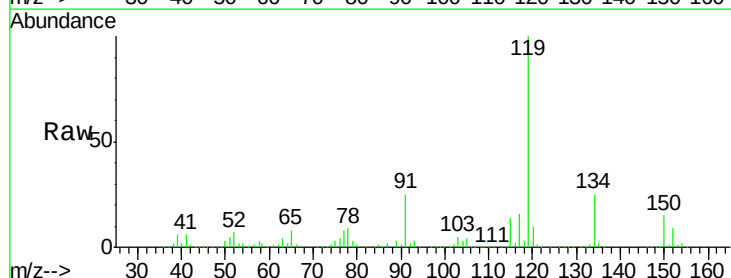
Tgt Ion:119 Resp: 168493

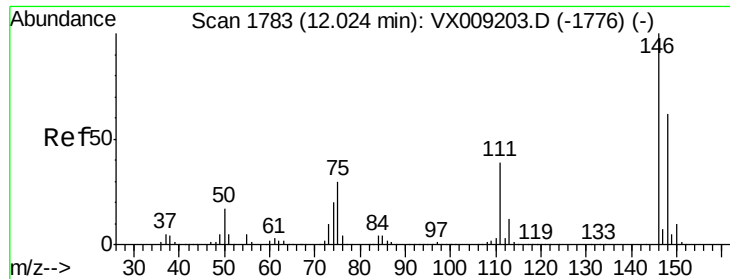
Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

91 24.1 11.8 35.4





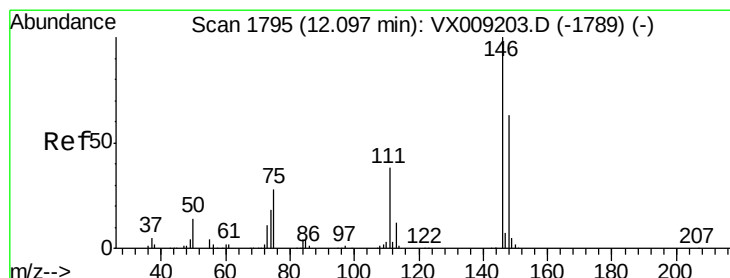
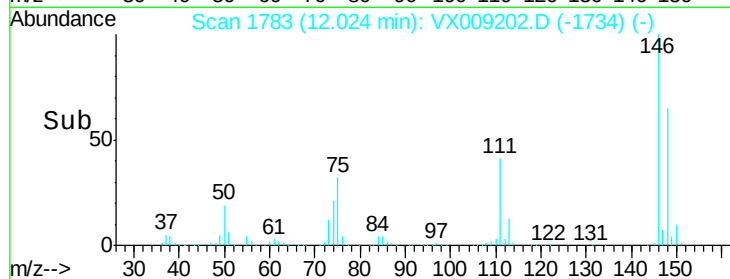
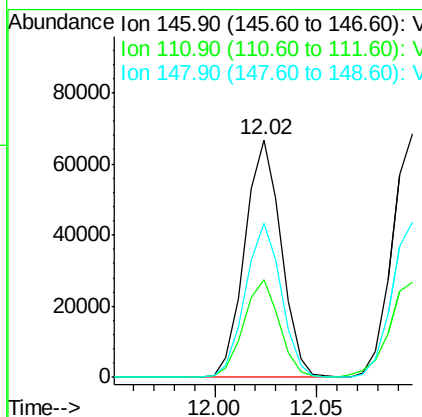
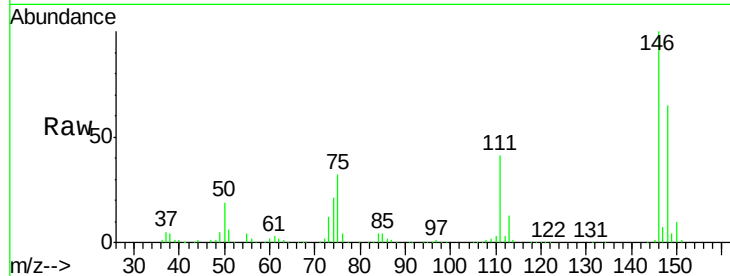
#87
 1,3-Dichlorobenzene
 Concen: 18.180 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009202.D
 Acq: 29 Apr 2019 12:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	59.9
148	64.0	31.8	95.3

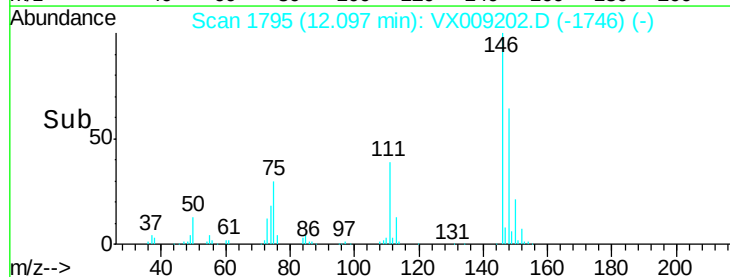
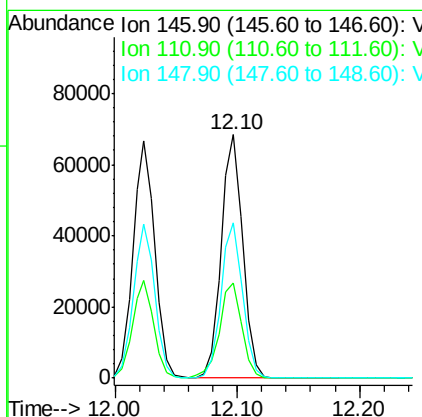
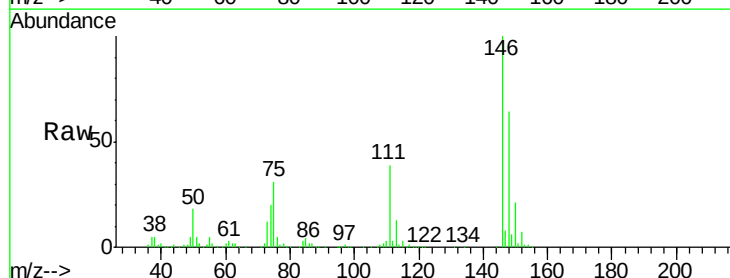
Manual Integrations
 APPROVED

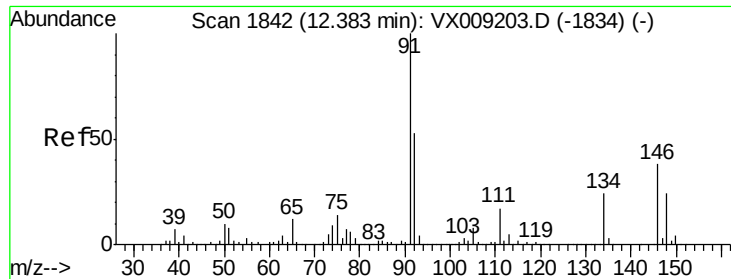
MMDadoda
 4/30/2019 11:03:26 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.101 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009202.D
 Acq: 29 Apr 2019 12:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.6	58.8
148	63.8	31.8	95.3





#89

n-Butylbenzene

Concen: 17.610 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 148098

Ion Ratio Lower Upper

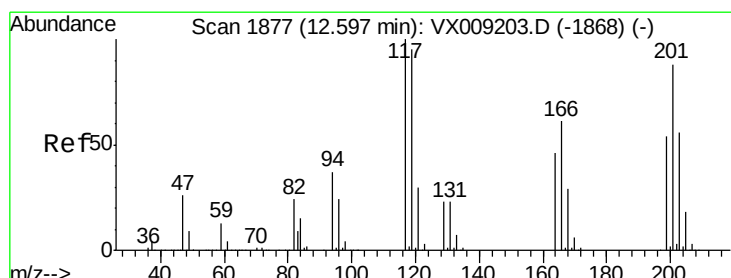
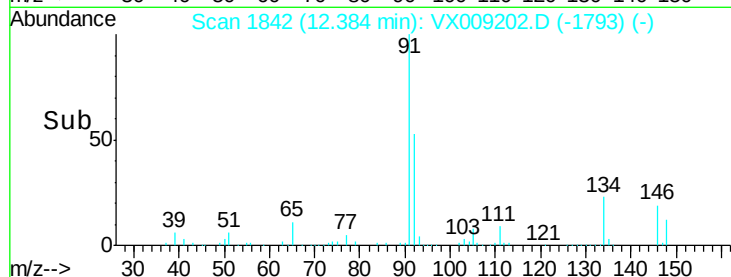
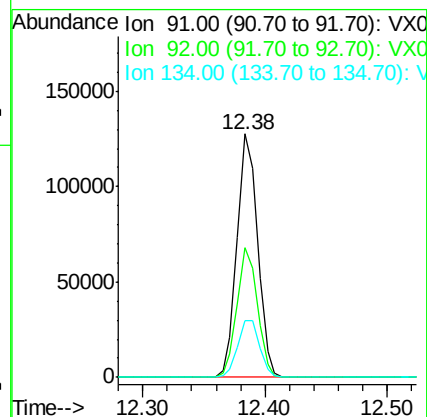
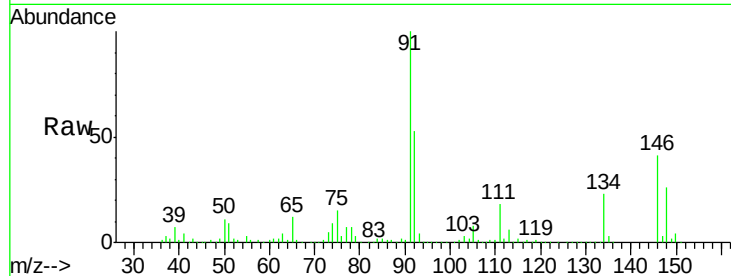
91 100

92 53.0 26.5 79.5

134 24.9 12.4 37.2

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:26 AM



#90

Hexachloroethane

Concen: 18.557 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX009202.D

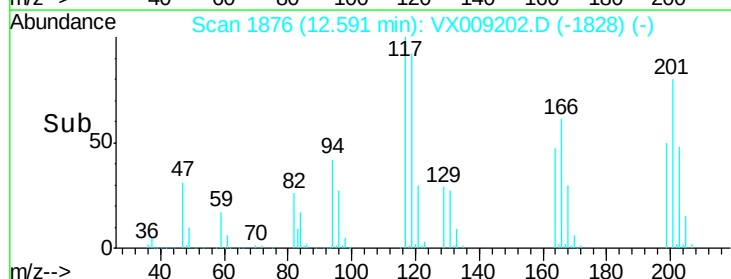
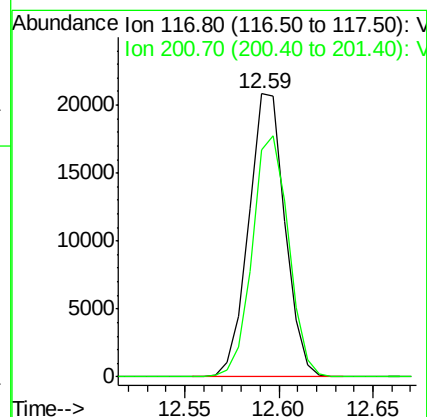
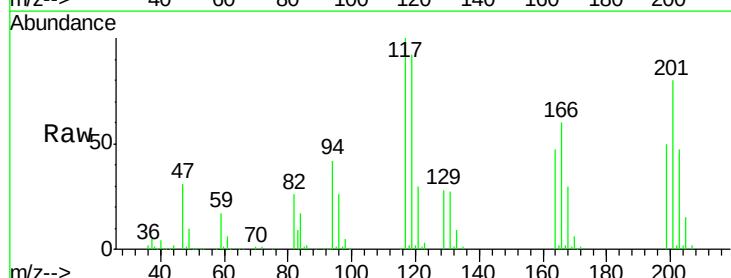
Acq: 29 Apr 2019 12:33

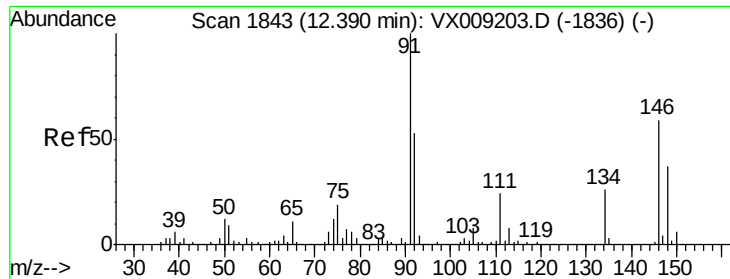
Tgt Ion: 117 Resp: 27835

Ion Ratio Lower Upper

117 100

201 84.8 42.3 126.9





#91

1,2-Dichlorobenzene

Concen: 18.546 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Instrument :

MSVOA_X

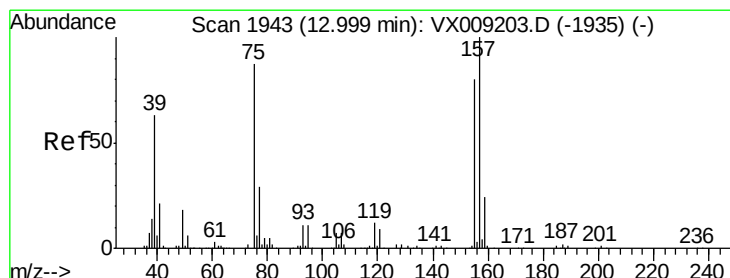
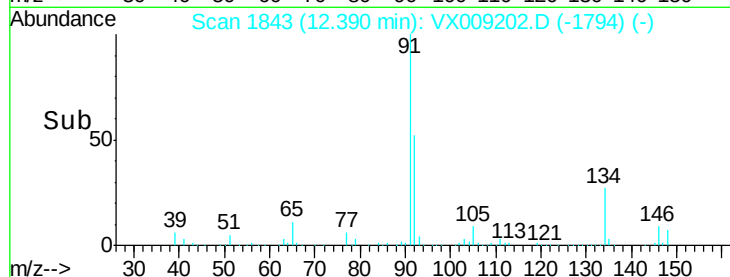
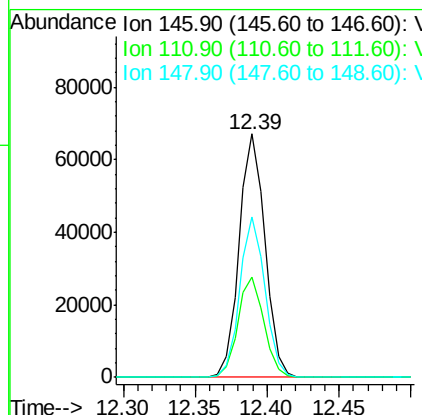
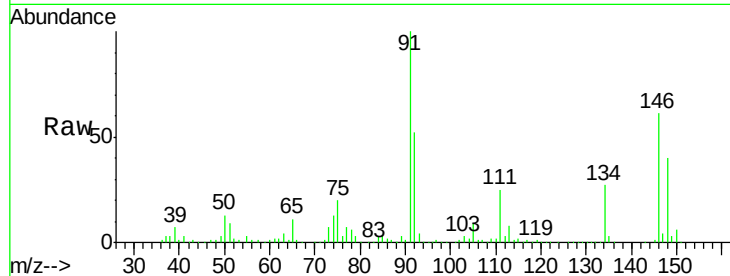
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.4
148	64.3	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:26 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.572 ug/l

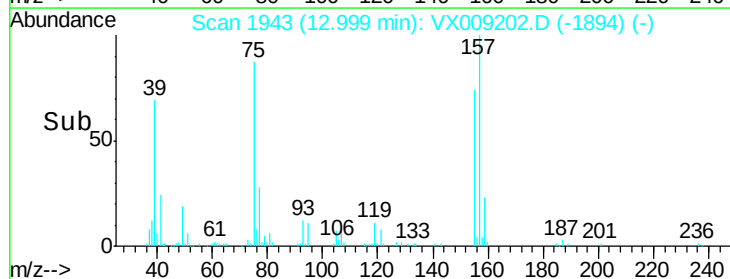
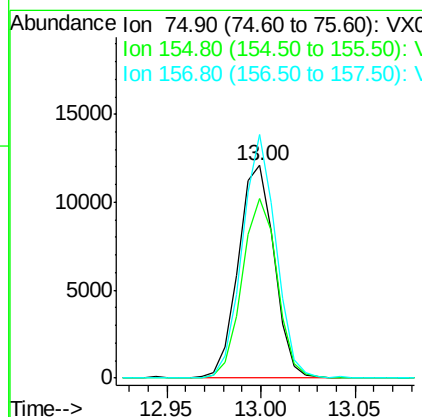
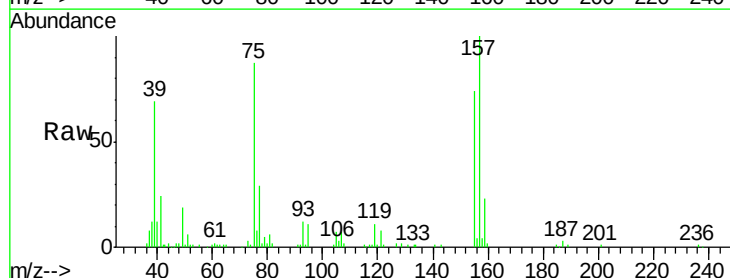
RT: 13.00 min Scan# 1943

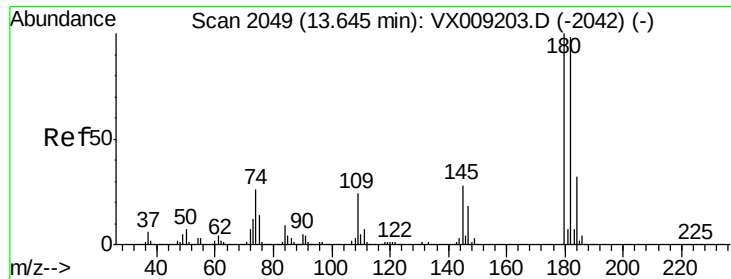
Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.9	42.0	126.0
157	106.4	53.2	159.6





#93

1,2,4-Trichlorobenzene

Concen: 18.114 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX009202.D

Acq: 29 Apr 2019 12:33

Instrument :

MSVOA_X

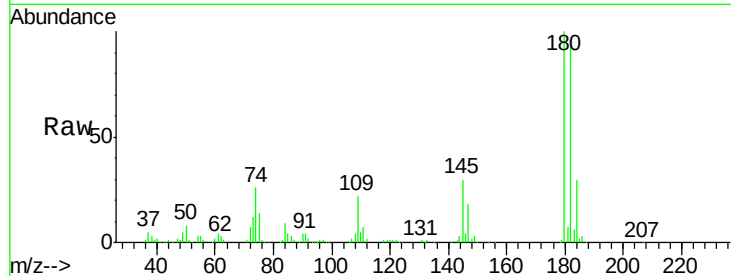
ClientSampleId :

VSTDIC020

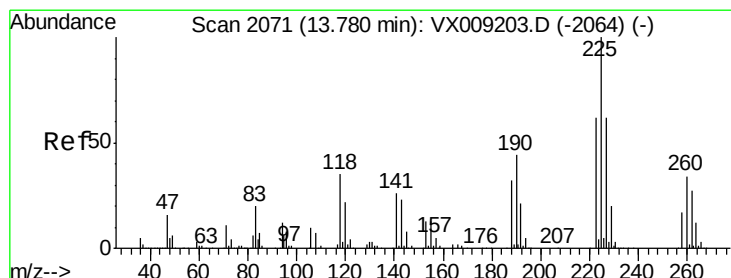
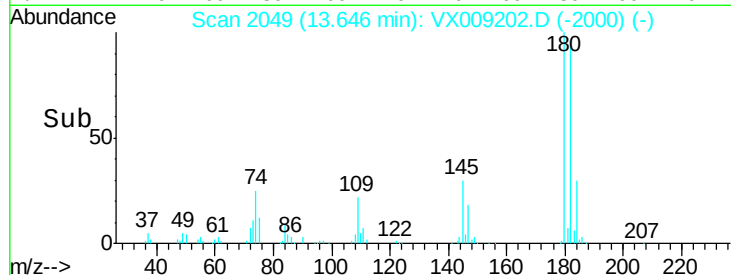
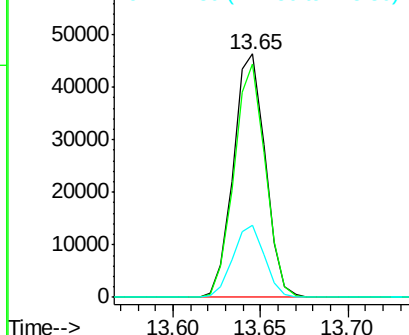
Tot Ion:	180	Resp:	58804
Ion Ratio	Lower	Upper	
180	100		
182	94.3	48.4	145.2
145	29.4	14.6	43.8

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:26 AM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 17.563 ug/l

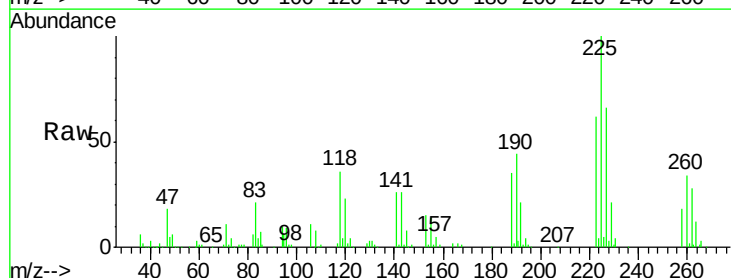
RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

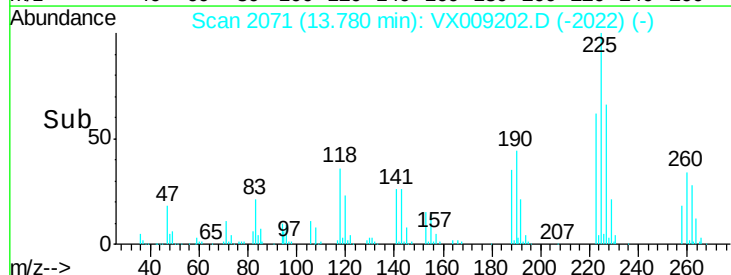
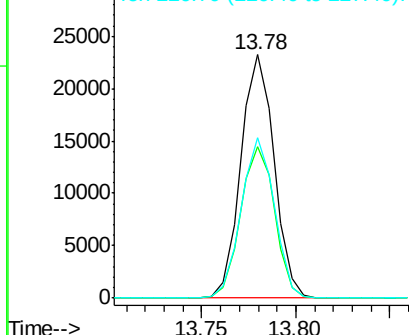
Lab File: VX009202.D

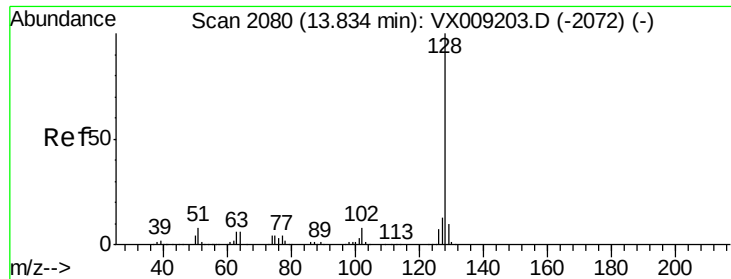
Acq: 29 Apr 2019 12:33

Tgt Ion:	225	Resp:	28451
Ion Ratio	Lower	Upper	
225	100		
223	63.4	31.3	93.8
227	65.5	31.8	95.3



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





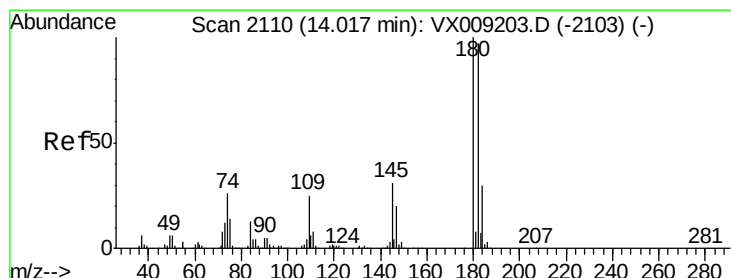
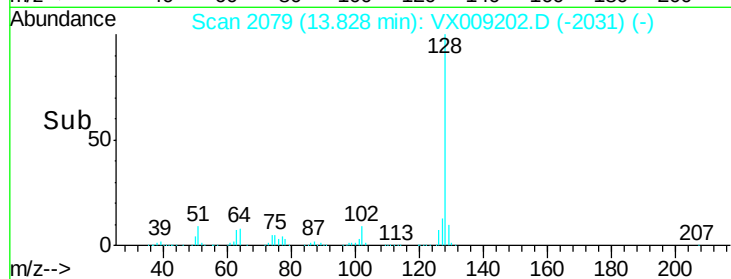
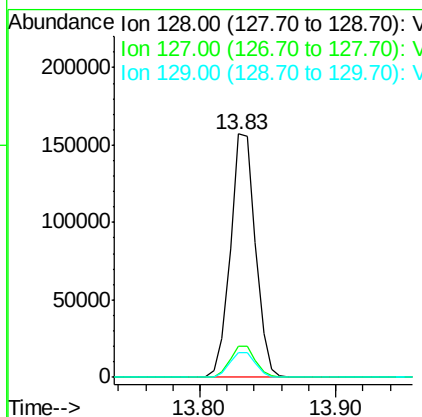
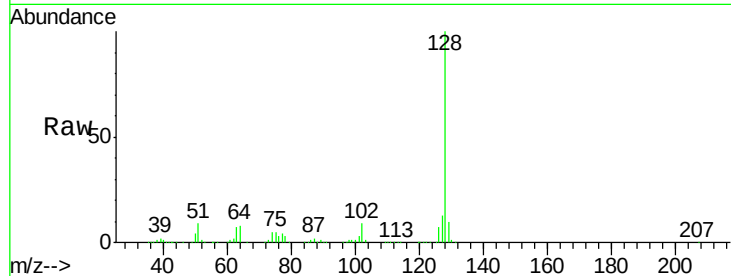
#95
Naphthalene
Concen: 19.226 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	200685		
127	13.1		10.4	15.6
129	10.7		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:26 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.043 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009202.D
Acq: 29 Apr 2019 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	61274		
182	94.4		47.8	143.4
145	30.8		15.4	46.4

