

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021519\
 Data File : VX007537.D
 Acq On : 14 Feb 2019 11:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/15/2019 10:10:05 AM

Quant Time: Feb 15 02:44:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	457943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	667091	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	606952	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	316108	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	243487	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
35) Dibromofluoromethane	5.50	113	226470	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
50) Toluene-d8	8.71	98	815633	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
62) 4-Bromofluorobenzene	11.13	95	295444	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	249578	44.371	ug/l	98
3) Chloromethane	1.33	50	210529	40.816	ug/l	98
4) Vinyl Chloride	1.41	62	231957	45.839	ug/l	99
5) Bromomethane	1.64	94	211002	42.094	ug/l	100
6) Chloroethane	1.72	64	148764	45.446	ug/l	98
7) Trichlorofluoromethane	1.93	101	370653	46.824	ug/l	98
8) Diethyl Ether	2.19	74	135073	45.335	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	216758	46.034	ug/l	99
10) Methyl Iodide	2.51	142	280257	40.461	ug/l	99
11) Tert butyl alcohol	3.06	59	245258	243.814	ug/l	99
12) 1,1-Dichloroethene	2.37	96	194951	44.586	ug/l	99
13) Acrolein	2.29	56	110462	234.176	ug/l	98
14) Allyl chloride	2.73	41	334951	47.015	ug/l	99
15) Acrylonitrile	3.15	53	591458	237.681	ug/l	99
16) Acetone	2.45	43	615906	276.618	ug/l	99
17) Carbon Disulfide	2.57	76	481157	42.419	ug/l	100
18) Methyl Acetate	2.78	43	325213	55.987	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	656124	46.319	ug/l	99
20) Methylene Chloride	2.86	84	216189	47.516	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	202981	43.579	ug/l	99
22) Diisopropyl ether	3.87	45	638774	48.744	ug/l	100
23) Vinyl Acetate	3.82	43	2745458	252.465	ug/l	99
24) 1,1-Dichloroethane	3.70	63	369604	49.112	ug/l	99
25) 2-Butanone	4.70	43	845958	266.977	ug/l	99
26) 2,2-Dichloropropane	4.58	77	282600	49.308	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	238193	46.820	ug/l	99
28) Bromochloromethane	5.02	49	170624	49.301	ug/l	98
29) Tetrahydrofuran	5.15	42	522288	262.079	ug/l	100
30) Chloroform	5.21	83	384083	48.909	ug/l	99
31) Cyclohexane	5.57	56	317241	46.935	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	333187	50.264	ug/l	99
36) 1,1-Dichloropropene	5.80	75	275037	45.951	ug/l	99
37) Ethyl Acetate	4.85	43	297771	49.214	ug/l	99
38) Carbon Tetrachloride	5.78	117	300502	51.750	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021519\
 Data File : VX007537.D
 Acq On : 14 Feb 2019 11:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/15/2019 10:10:05 AM

Quant Time: Feb 15 02:44:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	345789	47.750	ug/l	98
40) Benzene	6.14	78	855989	48.550	ug/l	99
41) Methacrylonitrile	5.06	41	168696	52.022	ug/l	99
42) 1,2-Dichloroethane	6.20	62	291640	47.808	ug/l	98
43) Isopropyl Acetate	6.46	43	475092	50.871	ug/l	100
44) Trichloroethene	7.21	130	245986	46.324	ug/l	97
45) 1,2-Dichloropropane	7.51	63	215848	48.862	ug/l	96
46) Dibromomethane	7.66	93	153947	47.948	ug/l	99
47) Bromodichloromethane	7.90	83	283026	52.014	ug/l	99
48) Methyl methacrylate	7.77	41	243514	52.129	ug/l	99
49) 1,4-Dioxane	7.75	88	109029	1026.119	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1569761	255.332	ug/l	100
52) Toluene	8.78	92	544143	47.835	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	300785	51.461	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	338163	52.611	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	233124	49.164	ug/l	97
56) Ethyl methacrylate	9.18	69	328534	50.025	ug/l	98
57) 1,3-Dichloropropane	9.37	76	366603	48.616	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	873601	252.371	ug/l	100
59) 2-Hexanone	9.49	43	1221269	255.276	ug/l	100
60) Dibromochloromethane	9.58	129	245377	54.715	ug/l	98
61) 1,2-Dibromoethane	9.67	107	247252	49.238	ug/l	100
64) Tetrachloroethene	9.34	164	253134	44.249	ug/l	99
65) Chlorobenzene	10.13	112	626832	47.327	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	230860	51.988	ug/l	99
67) Ethyl Benzene	10.25	91	1045587	49.021	ug/l	99
68) m/p-Xylenes	10.36	106	826954	97.534	ug/l	100
69) o-Xylene	10.69	106	400543	49.095	ug/l	100
70) Styrene	10.71	104	657504	49.693	ug/l	99
71) Bromoform	10.85	173	185228	47.755	ug/l #	99
73) Isopropylbenzene	11.02	105	1076554	50.116	ug/l	98
74) N-amyl acetate	10.90	43	417849	50.291	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	334814	51.143	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	285197m	46.383	ug/l	
77) Bromobenzene	11.26	156	287355	47.477	ug/l	99
78) n-propylbenzene	11.36	91	1219384	51.766	ug/l	99
79) 2-Chlorotoluene	11.42	91	700310	48.997	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	882686	50.226	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	96716	48.735	ug/l	95
82) 4-Chlorotoluene	11.51	91	812530	49.130	ug/l	100
83) tert-Butylbenzene	11.77	119	878571	50.494	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	907456	50.861	ug/l	99
85) sec-Butylbenzene	11.94	105	1086560	51.596	ug/l	100
86) p-Isopropyltoluene	12.06	119	966495	50.842	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	521105	47.975	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	516177	46.840	ug/l	99
89) n-Butylbenzene	12.38	91	835101	51.067	ug/l	100
90) Hexachloroethane	12.60	117	161849	56.887	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	512195	47.382	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	71188	52.296	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021519\
Data File : VX007537.D
Acq On : 14 Feb 2019 11:07
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:10:05 AM

Quant Time: Feb 15 02:44:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	355150	48.717	ug/l	99
94) Hexachlorobutadiene	13.78	225	172068	48.609	ug/l	99
95) Naphthalene	13.83	128	1075193	50.435	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	354055	48.249	ug/l	100

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

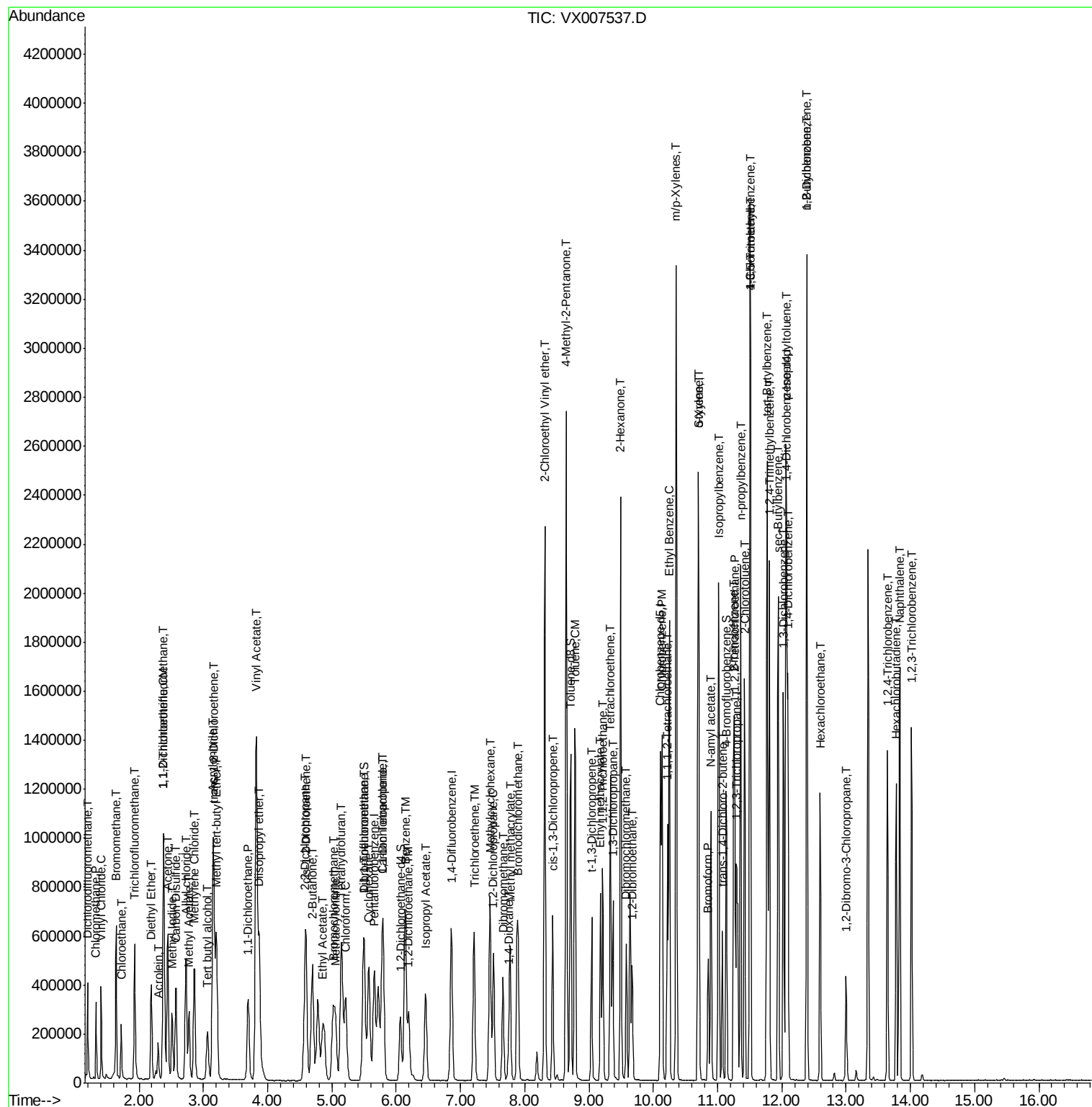
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021519\
 Data File : VX007537.D
 Acq On : 14 Feb 2019 11:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

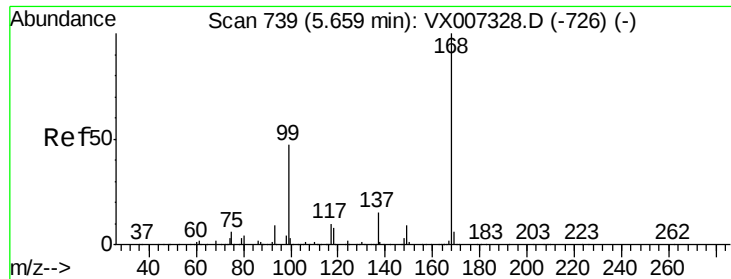
Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/15/2019 10:10:05 AM

Quant Time: Feb 15 02:44:44 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 457943

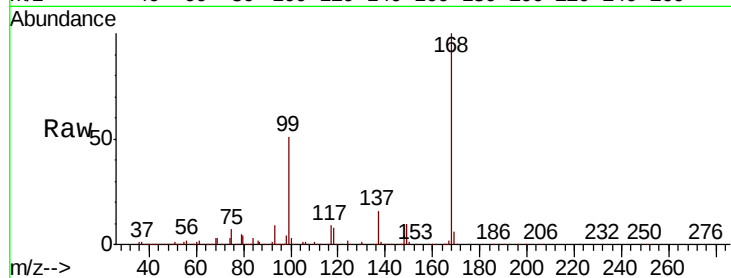
Ion Ratio Lower Upper

168 100

99 50.8 37.9 56.9

Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:10:05 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

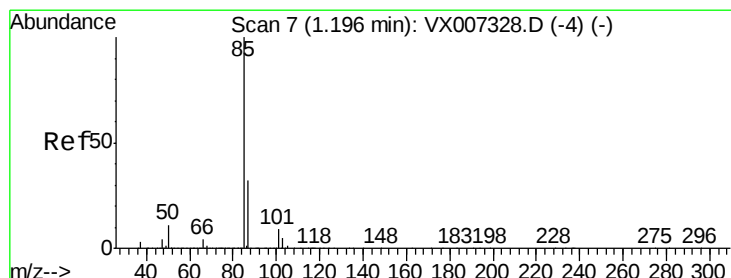
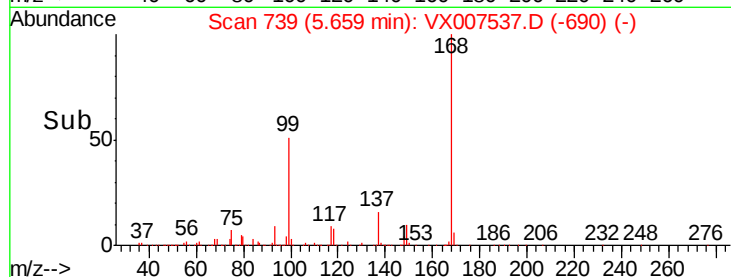
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.371 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007537.D

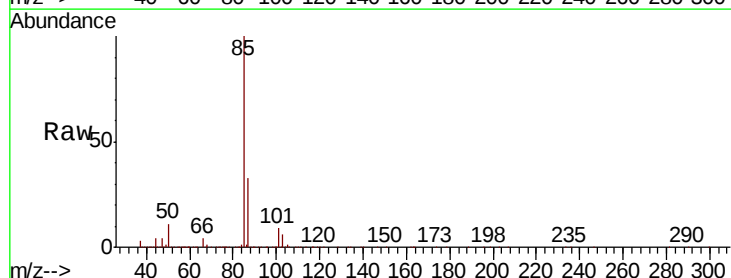
Acq: 14 Feb 2019 11:07

Tgt Ion: 85 Resp: 249578

Ion Ratio Lower Upper

85 100

87 32.7 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

250000

200000

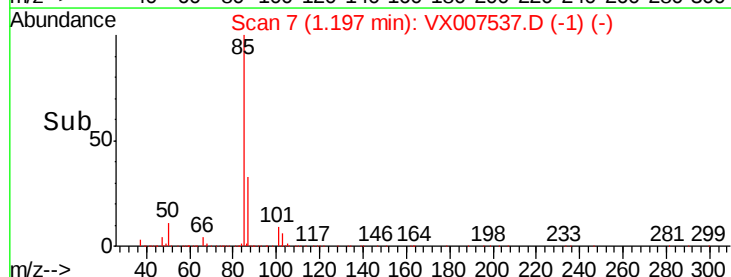
150000

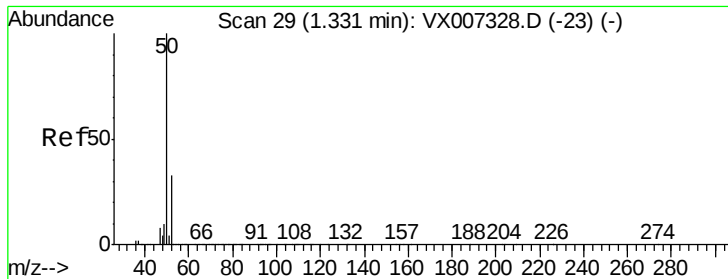
100000

50000

0

Time-->





#3

Chloromethane

Concen: 40.816 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 210529

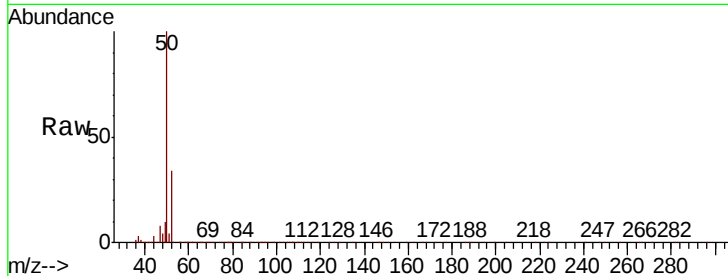
Ion Ratio Lower Upper

50 100

52 33.8 26.1 39.1

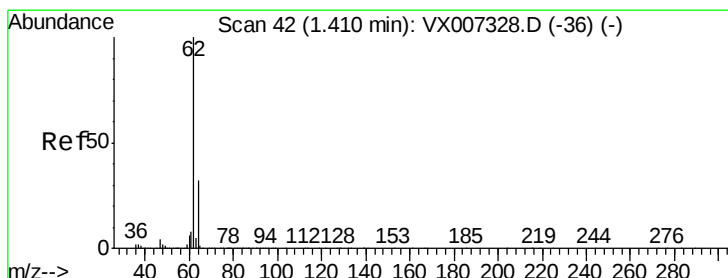
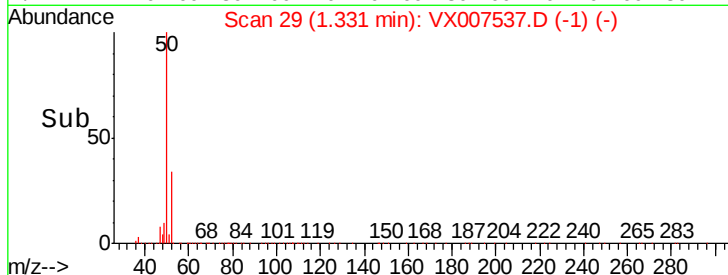
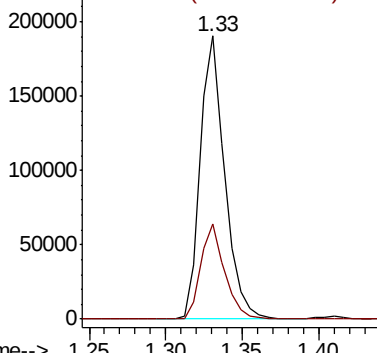
Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:10:05 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 45.839 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007537.D

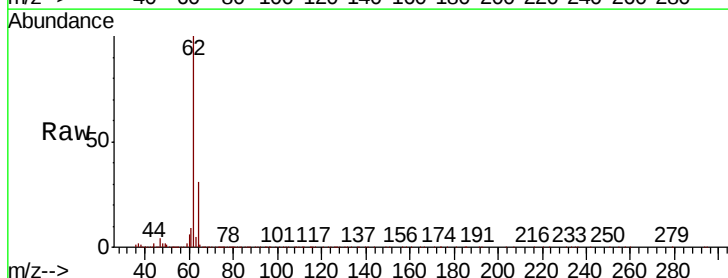
Acq: 14 Feb 2019 11:07

Tgt Ion: 62 Resp: 231957

Ion Ratio Lower Upper

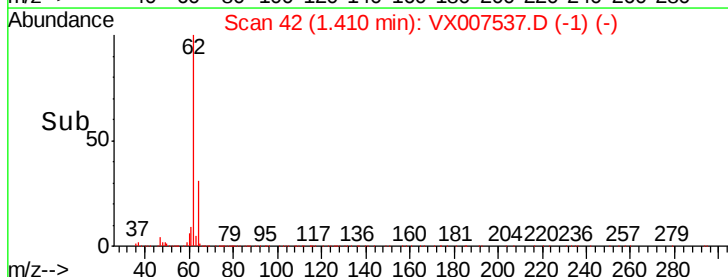
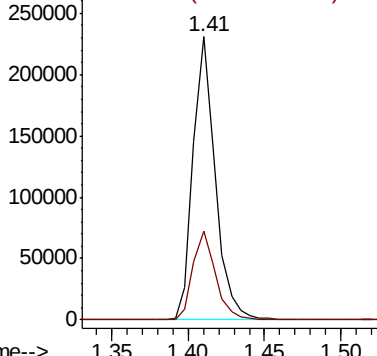
62 100

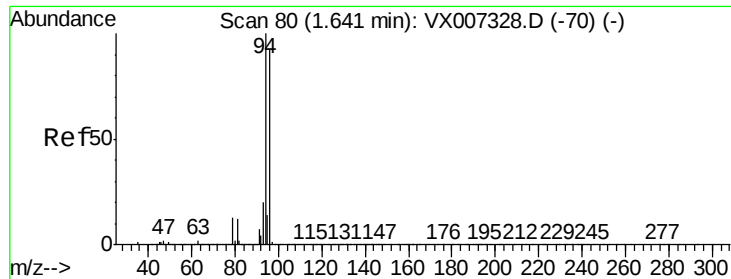
64 31.3 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 42.094 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 211002

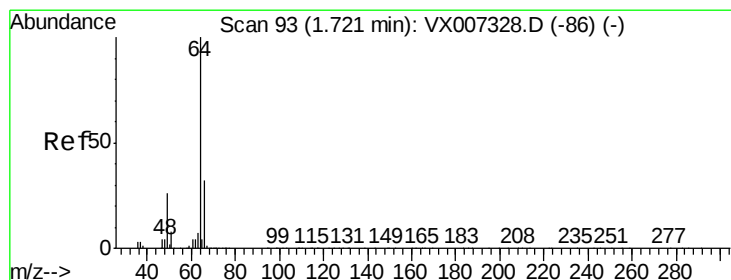
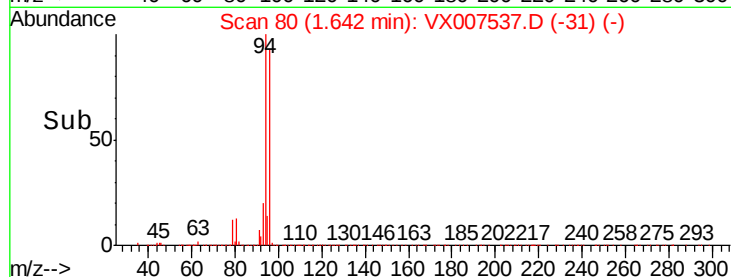
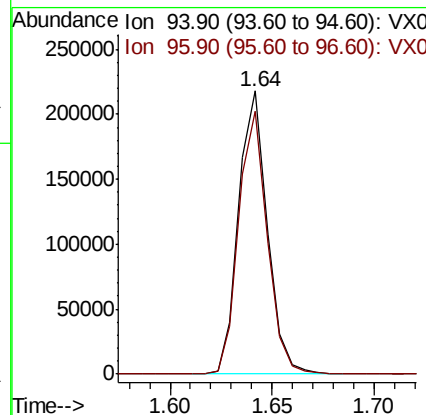
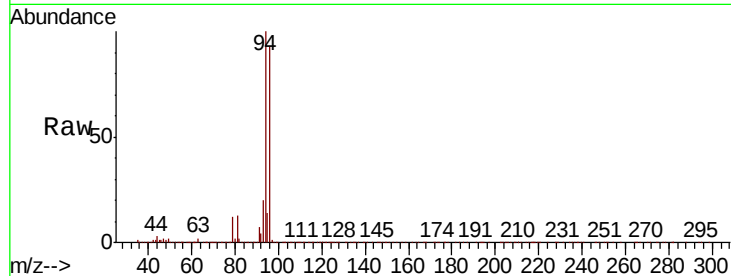
Ion Ratio Lower Upper

94 100

96 92.7 73.9 110.9

Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:10:05 AM



#6

Chloroethane

Concen: 45.446 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX007537.D

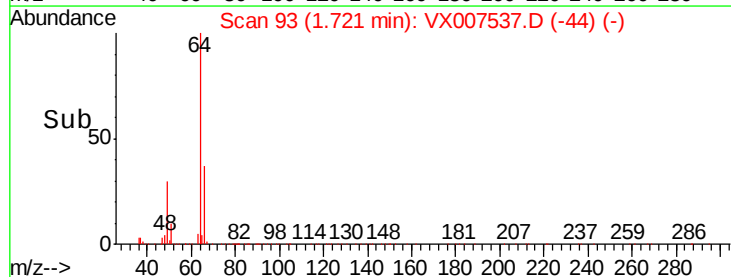
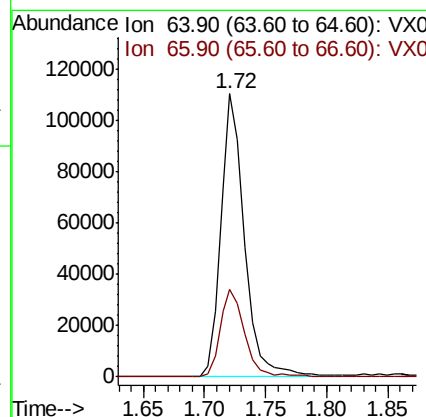
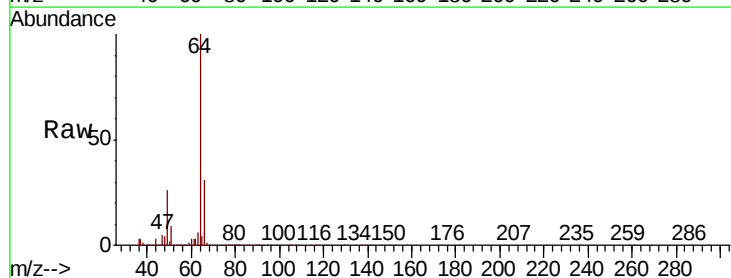
Acq: 14 Feb 2019 11:07

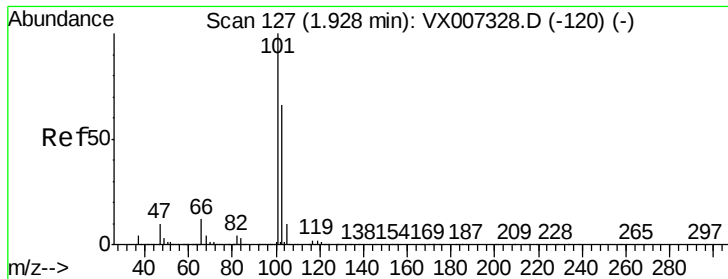
Tgt Ion: 64 Resp: 148764

Ion Ratio Lower Upper

64 100

66 31.0 25.5 38.3





#7

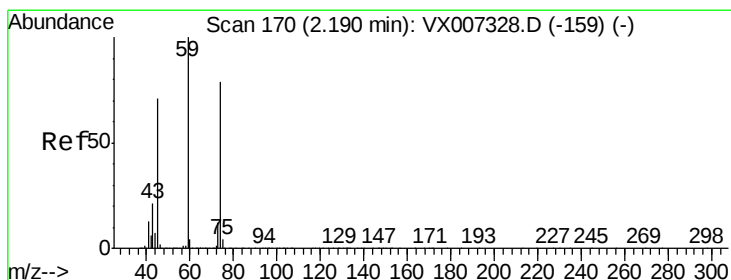
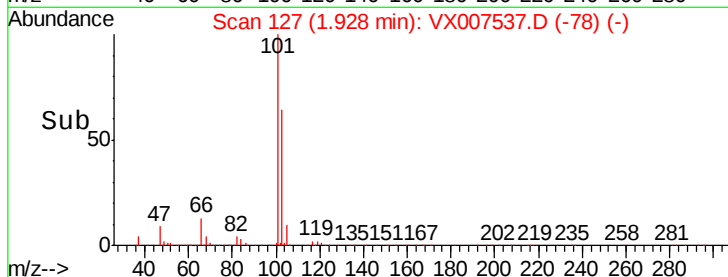
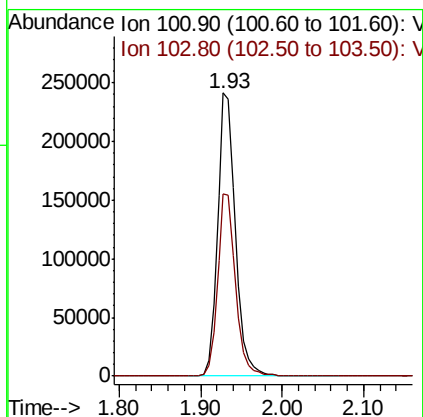
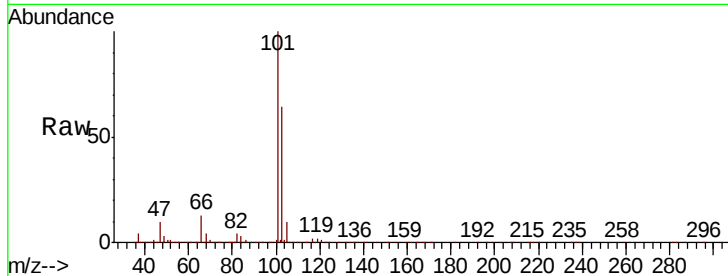
Trichlorofluoromethane
Concen: 46.824 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.6	79.0

Manual Integrations
APPROVED

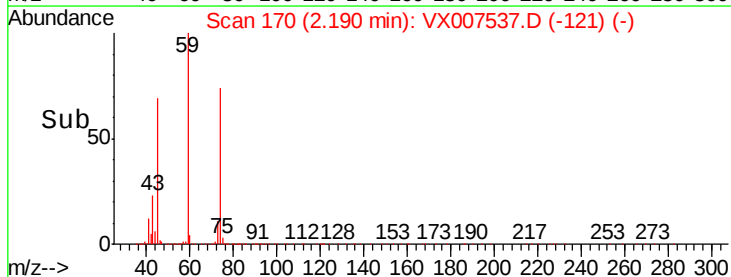
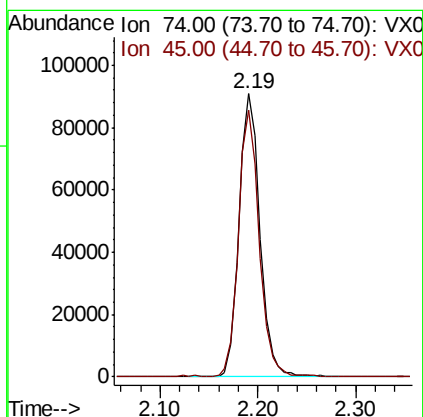
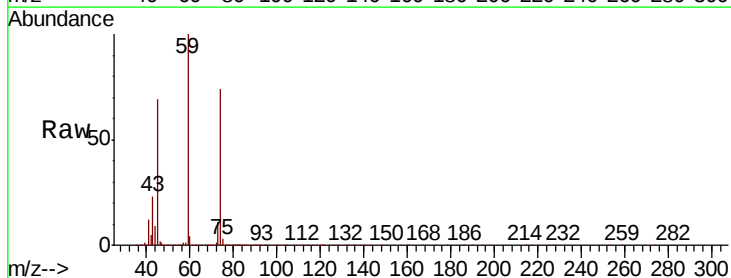
MMDadoda
2/15/2019 10:10:05 AM

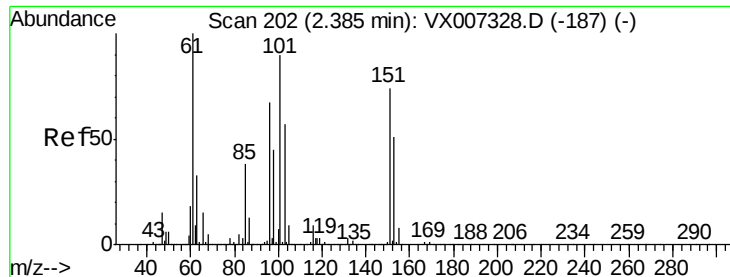


#8

Diethyl Ether
Concen: 45.335 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.3	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.034 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Instrument :

MSVOA_X

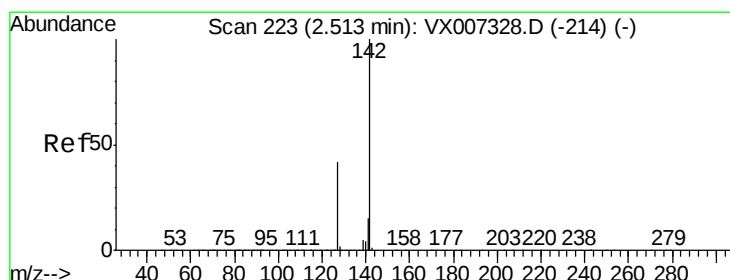
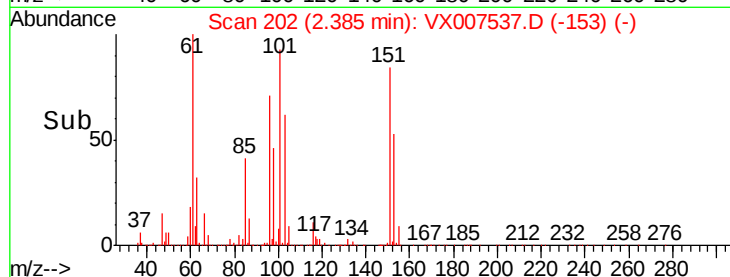
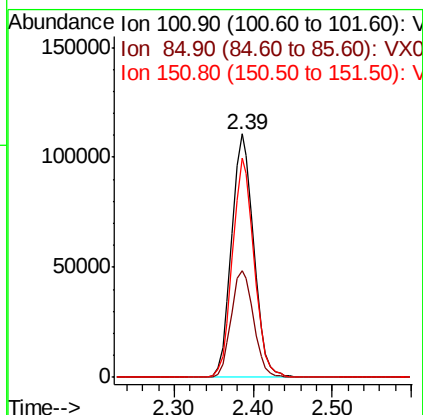
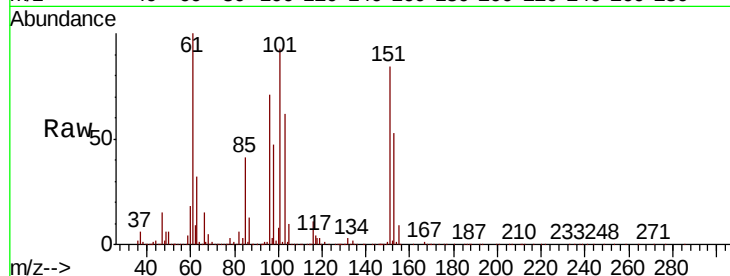
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	216758
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.1	51.1
151	88.1	69.9	104.9

Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:10:05 AM



#10

Methyl Iodide

Concen: 40.461 ug/l

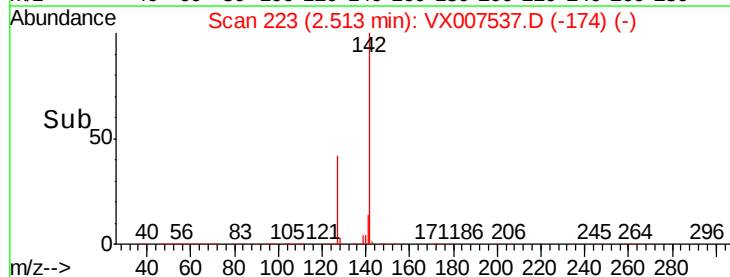
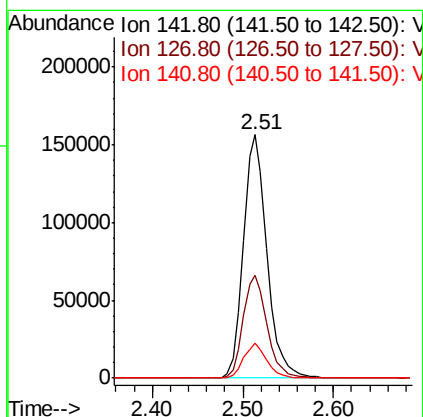
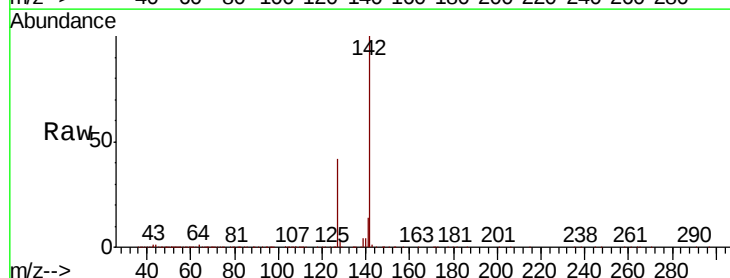
RT: 2.51 min Scan# 223

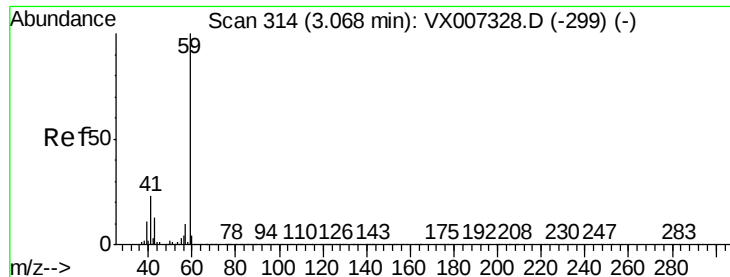
Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Tgt Ion:	142	Resp:	280257
Ion Ratio	Lower	Upper	
142	100		
127	43.1	33.7	50.5
141	14.4	11.3	16.9





#11

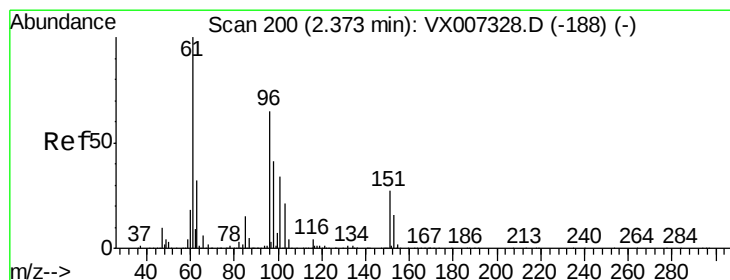
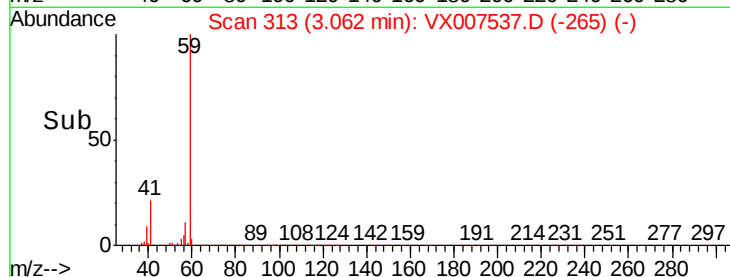
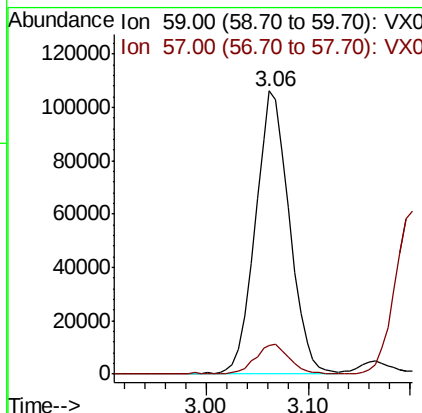
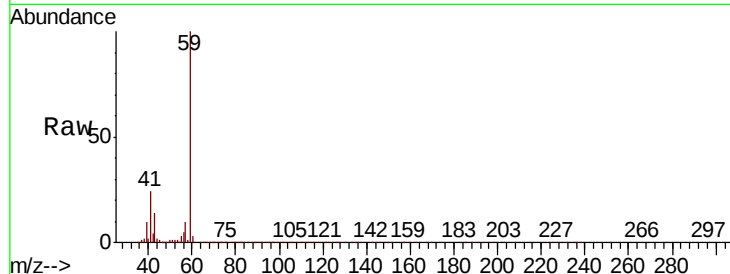
Tert butyl alcohol
Concen: 243.814 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.1	12.1

Manual Integrations
APPROVED

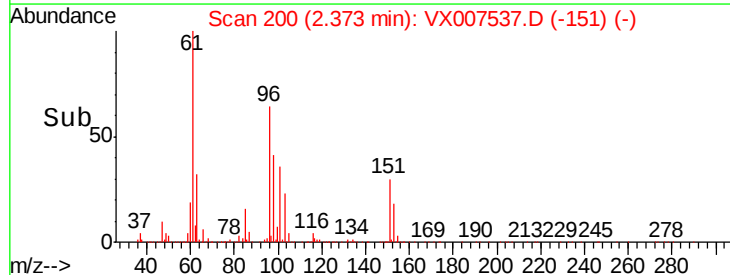
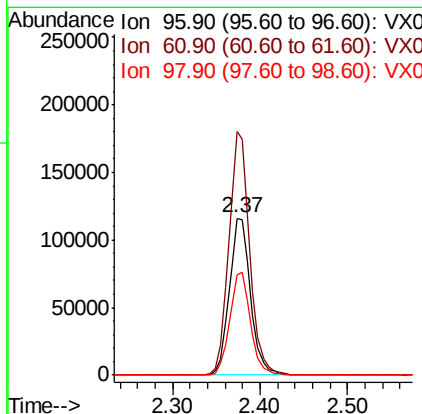
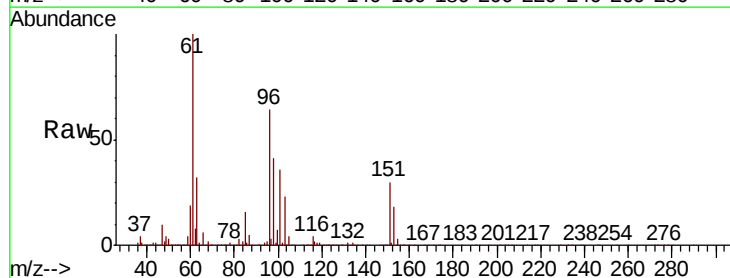
MMDadoda
2/15/2019 10:10:05 AM

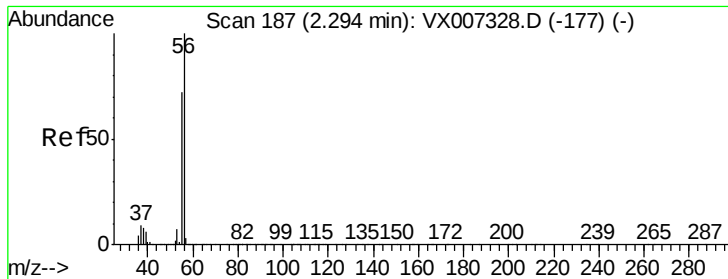


#12

1,1-Dichloroethene
Concen: 44.586 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.5	123.0	184.4
98	64.0	50.9	76.3





#13

Acrolein

Concen: 234.176 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 110462

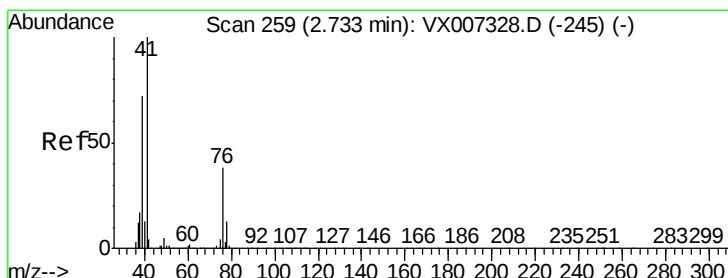
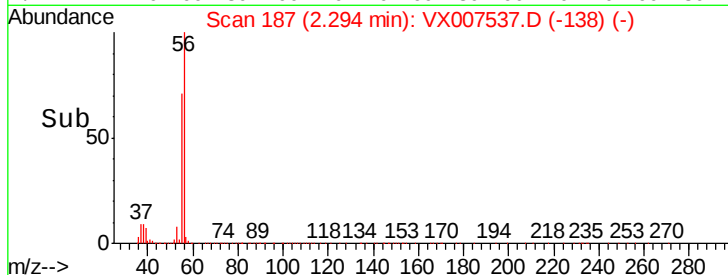
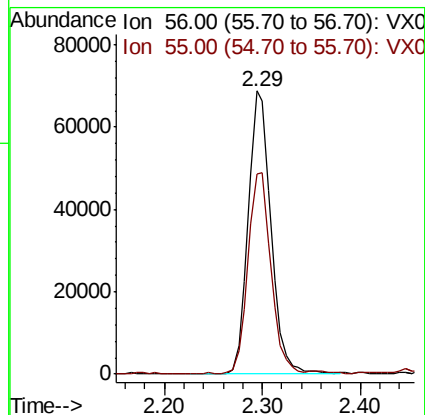
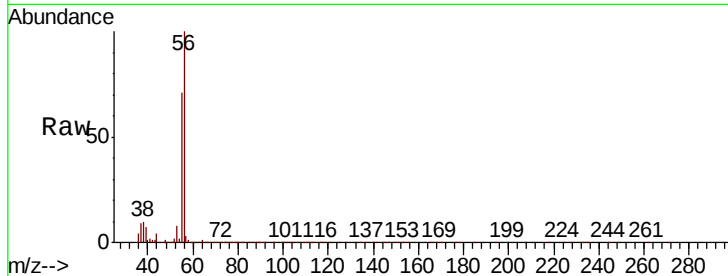
Ion Ratio Lower Upper

56 100

55 73.0 56.9 85.3

Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:10:05 AM



#14

Allyl chloride

Concen: 47.015 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

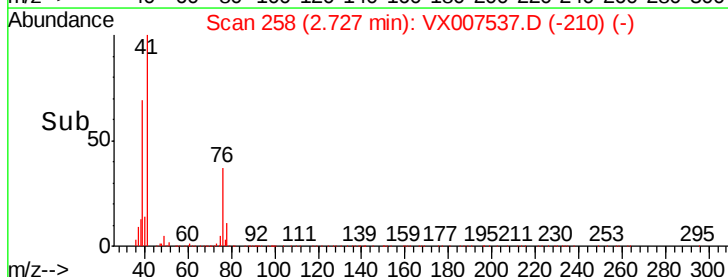
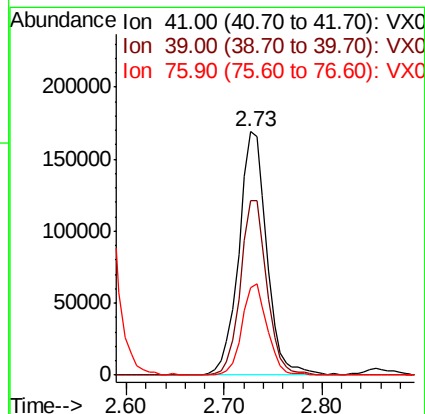
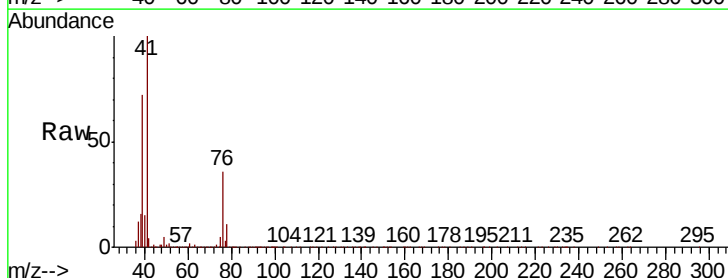
Tgt Ion: 41 Resp: 334951

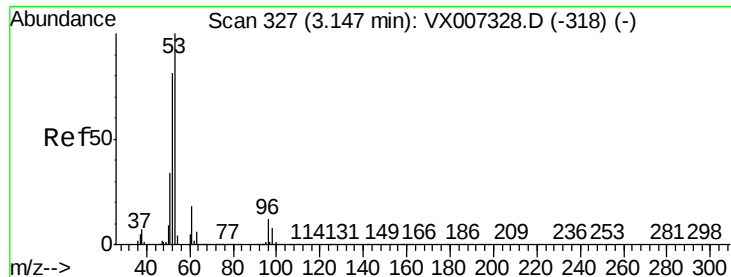
Ion Ratio Lower Upper

41 100

39 67.8 54.1 81.1

76 33.8 27.8 41.8





#15

Acrylonitrile

Concen: 237.681 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Instrument :

MSVOA_X

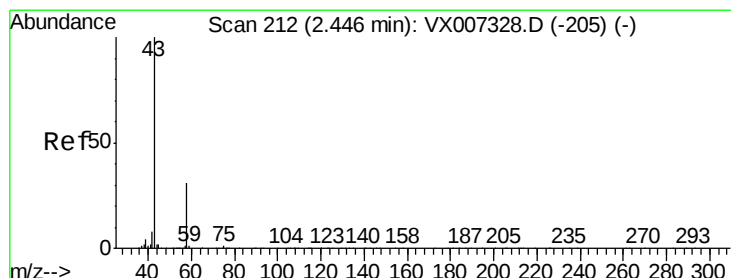
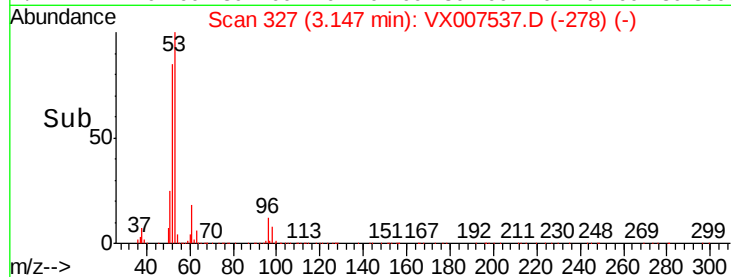
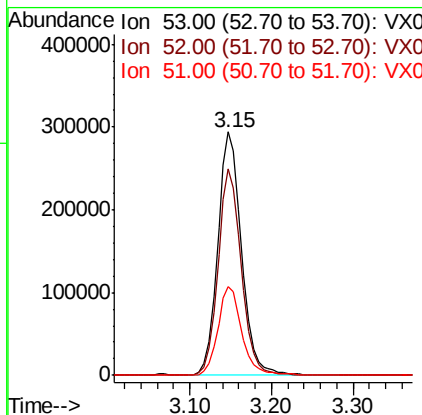
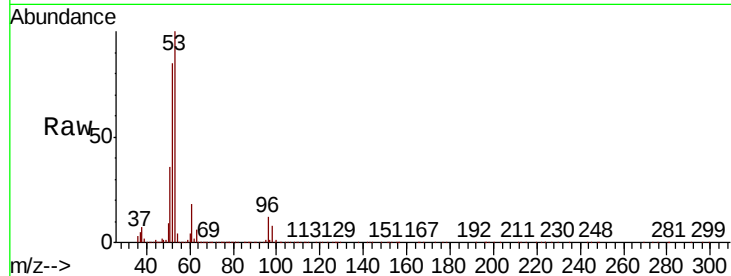
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	591458
Ion Ratio	Lower	Upper	
53	100		
52	83.3	66.4	99.6
51	36.7	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:10:05 AM



#16

Acetone

Concen: 276.618 ug/l

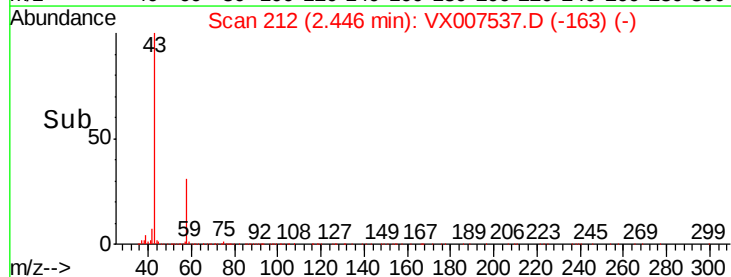
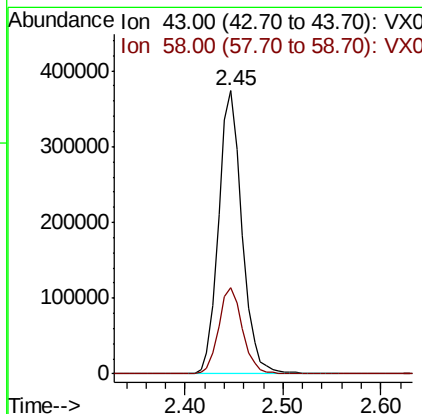
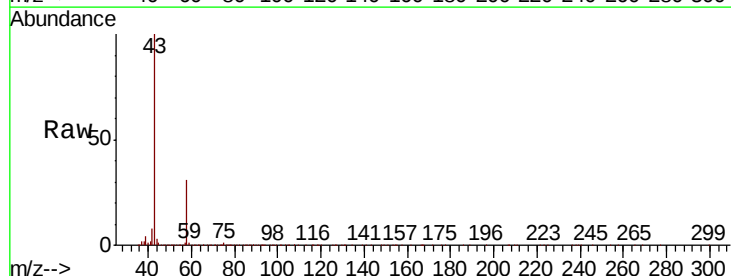
RT: 2.45 min Scan# 212

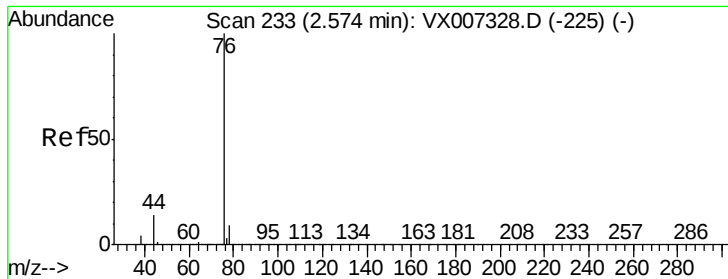
Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Tgt Ion:	43	Resp:	615906
Ion Ratio	Lower	Upper	
43	100		
58	30.7	24.9	37.3





#17

Carbon Disulfide

Concen: 42.419 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 481157

Ion Ratio Lower Upper

76 100

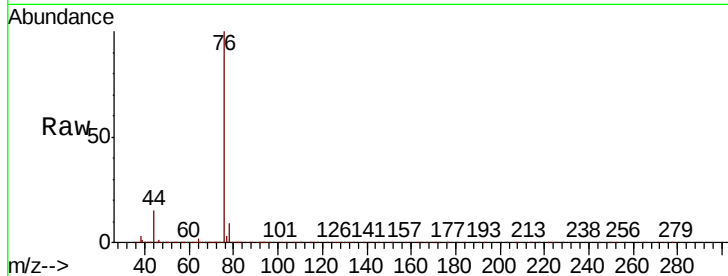
78 9.0 7.1 10.7

Manual Integrations

APPROVED

MMDadoda

2/15/2019 10:10:05 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

250000

200000

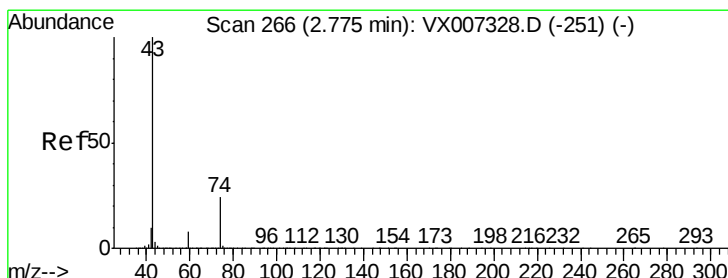
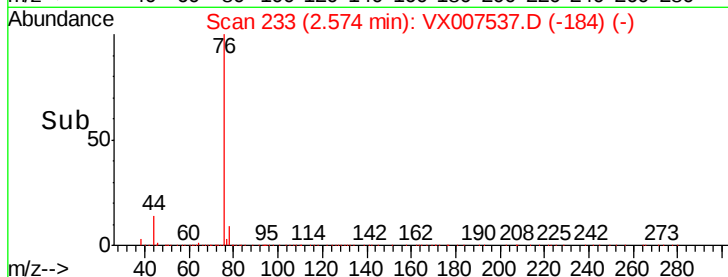
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 55.987 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX007537.D

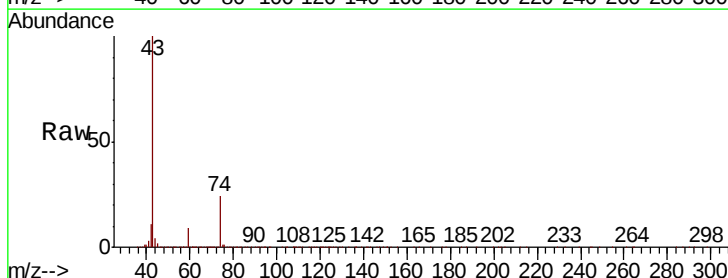
Acq: 14 Feb 2019 11:07

Tgt Ion: 43 Resp: 325213

Ion Ratio Lower Upper

43 100

74 23.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

200000

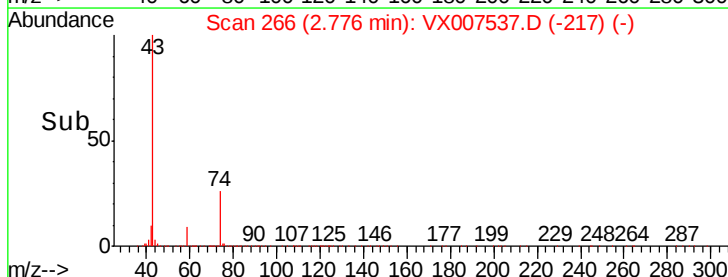
150000

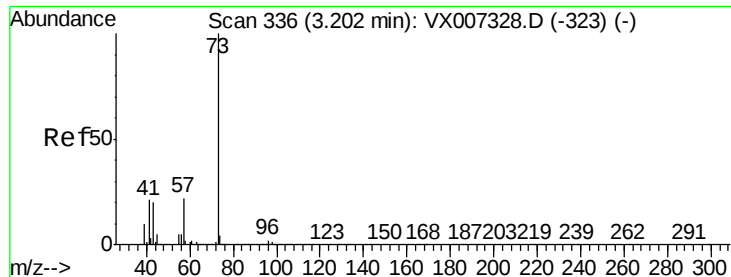
100000

50000

0

Time-->





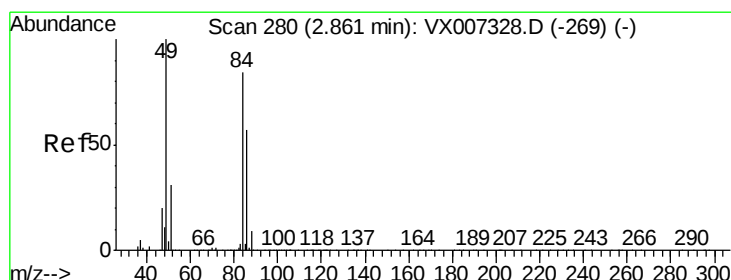
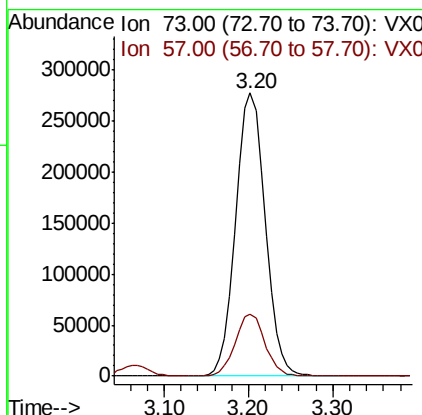
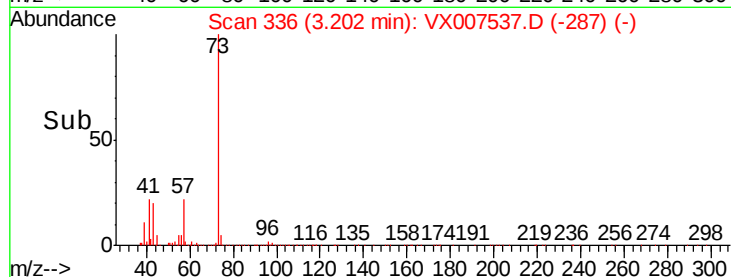
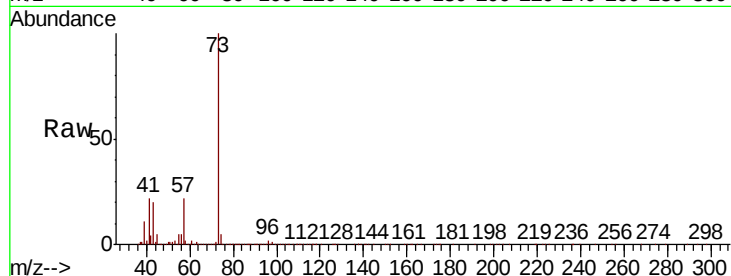
#19
Methvl tert-butvl Ether
Concen: 46.319 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.8	26.8

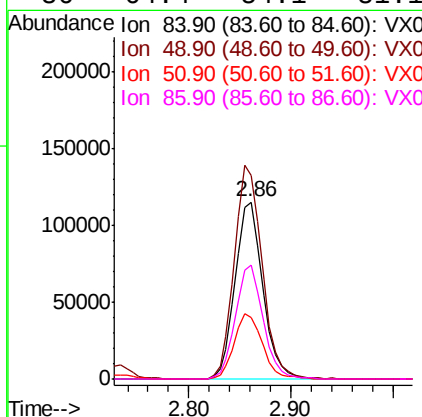
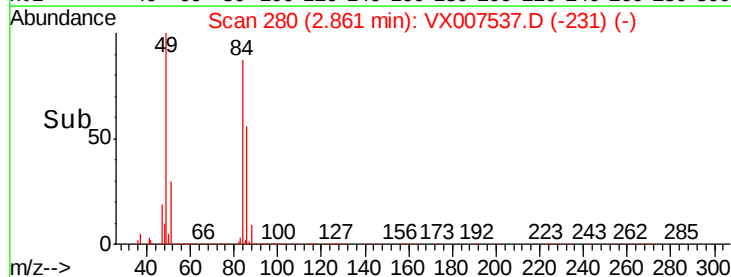
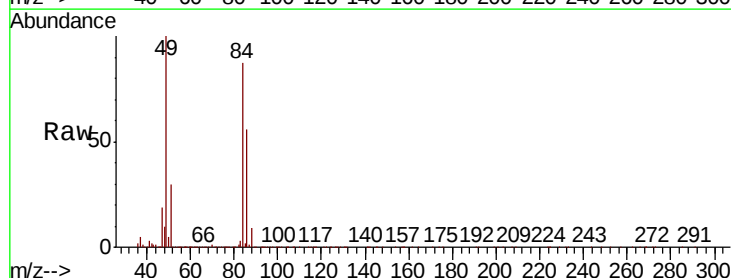
Manual Integrations
APPROVED

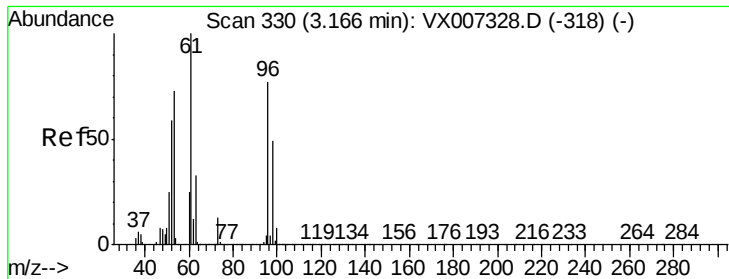
MMDadoda
2/15/2019 10:10:05 AM



#20
Methylene Chloride
Concen: 47.516 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.2	94.8	142.2
51	34.9	29.8	44.8
86	64.4	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 43.579 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Instrument :

MSVOA_X

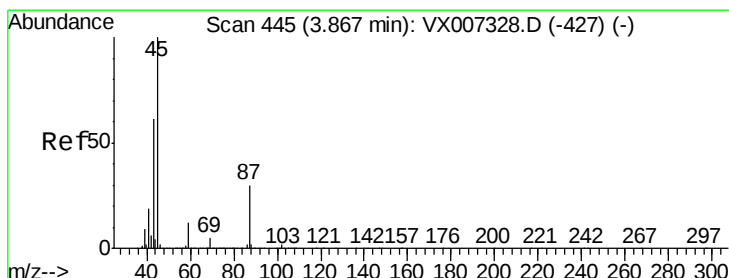
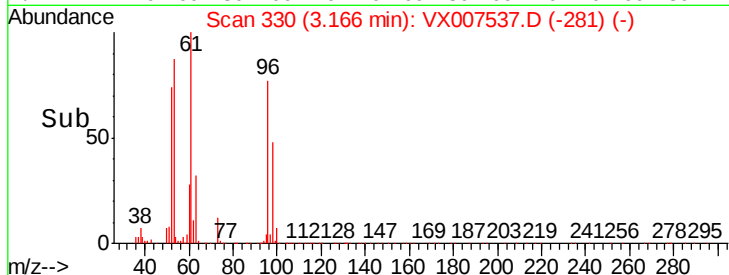
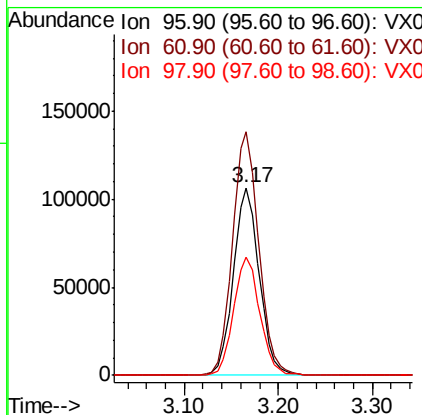
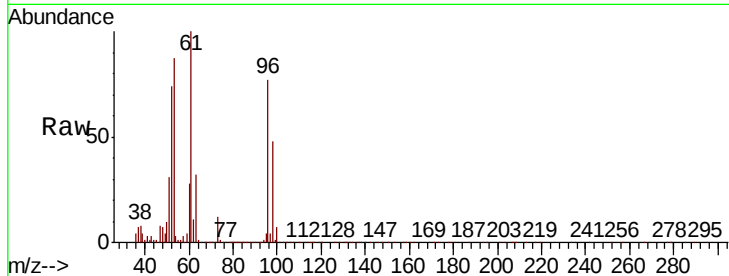
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	202981
Ion Ratio	Lower	Upper	
96	100		
61	129.4	104.6	156.8
98	62.7	51.0	76.4

Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:10:05 AM



#22

Diisopropyl ether

Concen: 48.744 ug/l

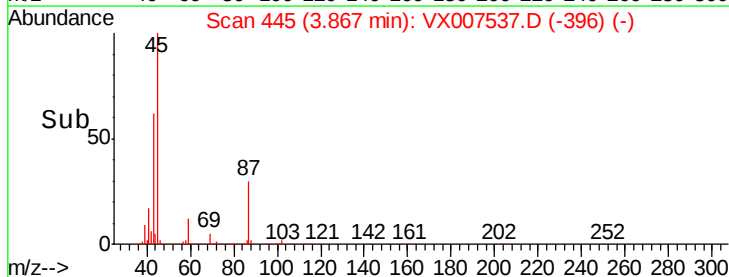
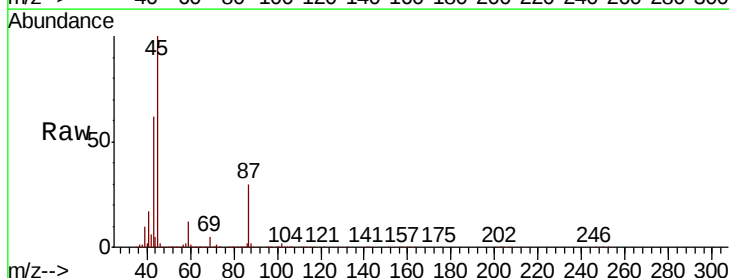
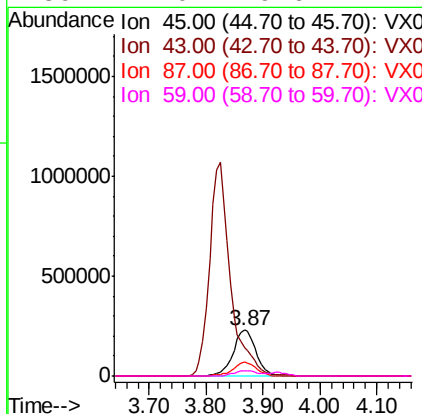
RT: 3.87 min Scan# 445

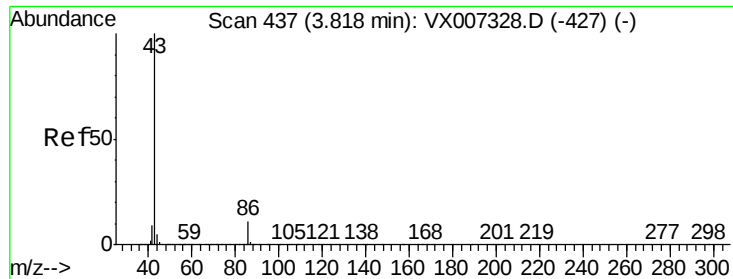
Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Tgt Ion:	45	Resp:	638774
Ion Ratio	Lower	Upper	
45	100		
43	61.5	48.9	73.3
87	30.1	23.9	35.9
59	12.0	9.6	14.4





#23

Vinyl Acetate

Concen: 252.465 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2745458

Ion Ratio Lower Upper

43 100

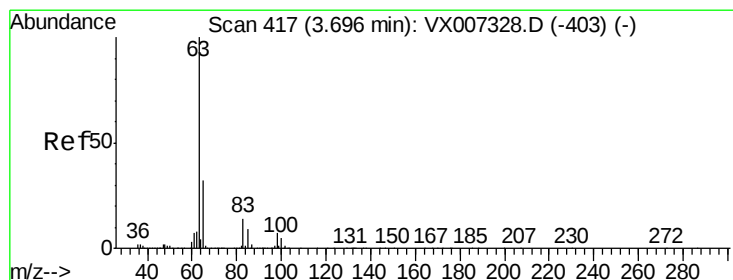
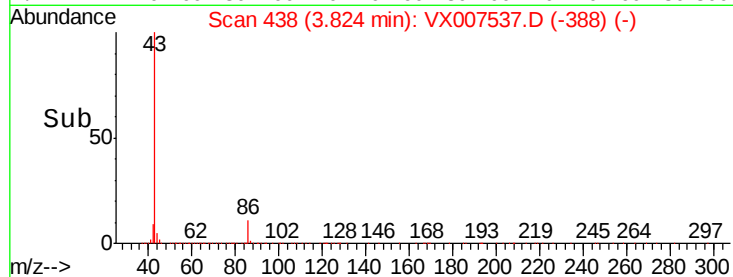
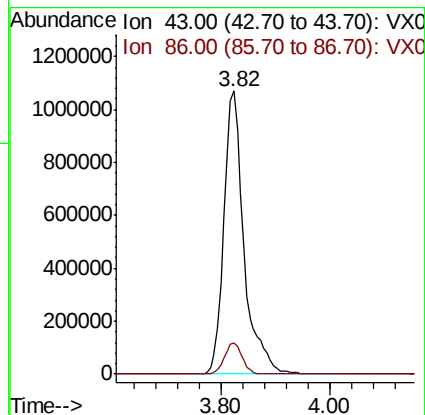
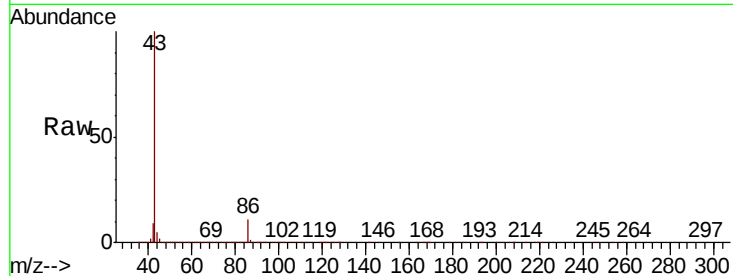
86 11.2 8.7 13.1

Manual Integrations

APPROVED

MMDadoda

2/15/2019 10:10:05 AM



#24

1,1-Dichloroethane

Concen: 49.112 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

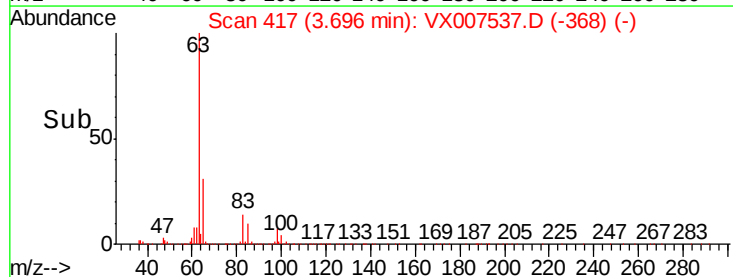
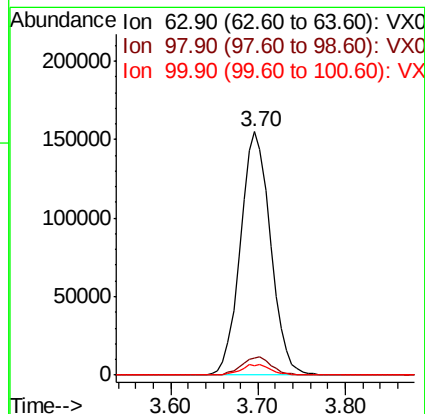
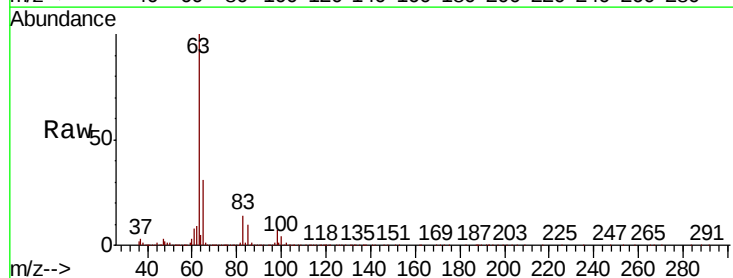
Tgt Ion: 63 Resp: 369604

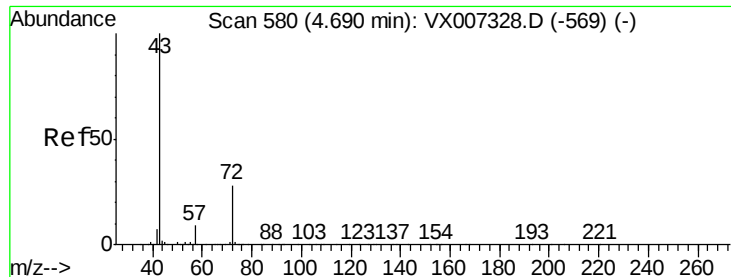
Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.8

100 3.8 2.5 7.4





#25

2-Butanone

Concen: 266.977 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 845958

Ion Ratio Lower Upper

43 100

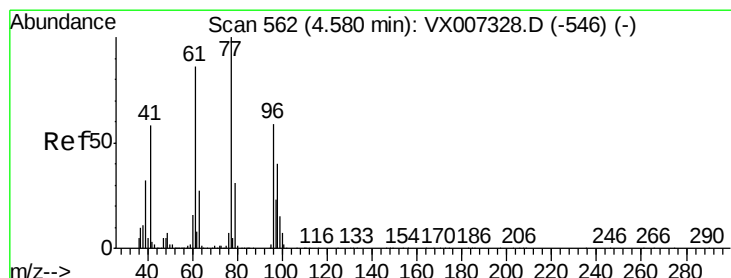
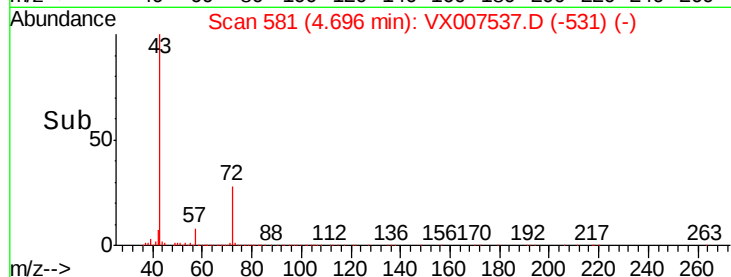
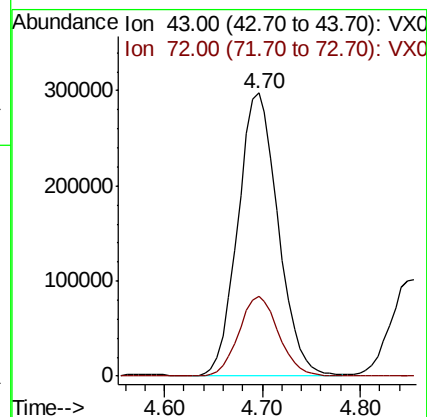
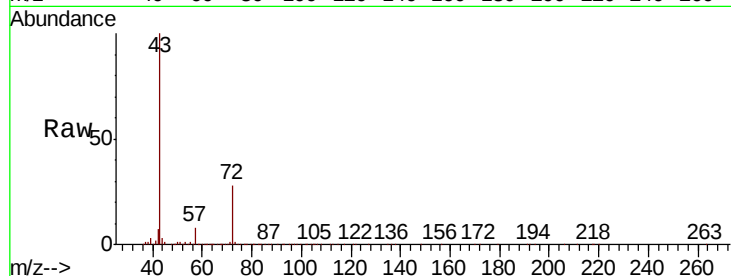
72 28.0 22.2 33.2

Manual Integrations

APPROVED

MMDadoda

2/15/2019 10:10:05 AM



#26

2,2-Dichloropropane

Concen: 49.308 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX007537.D

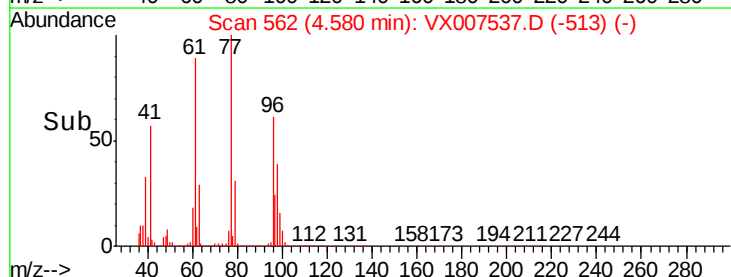
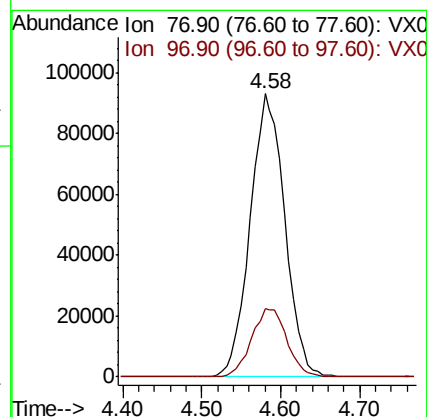
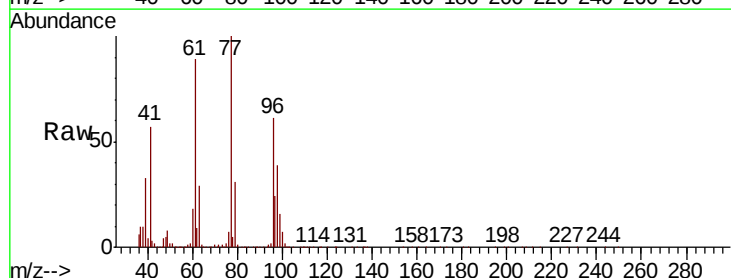
Acq: 14 Feb 2019 11:07

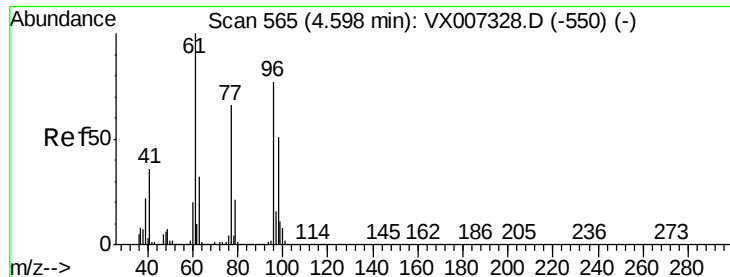
Tgt Ion: 77 Resp: 282600

Ion Ratio Lower Upper

77 100

97 24.8 12.1 36.3





#27

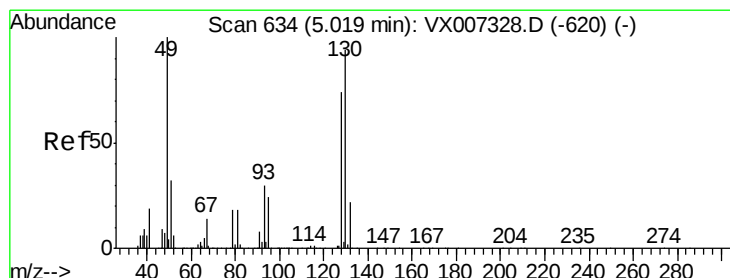
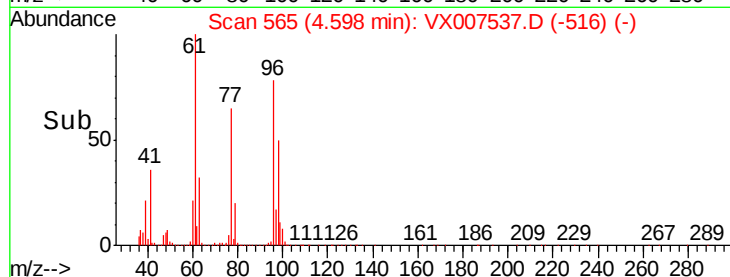
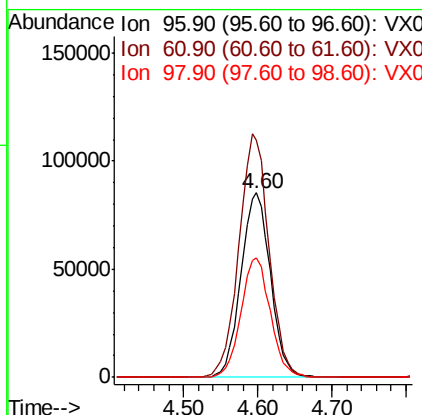
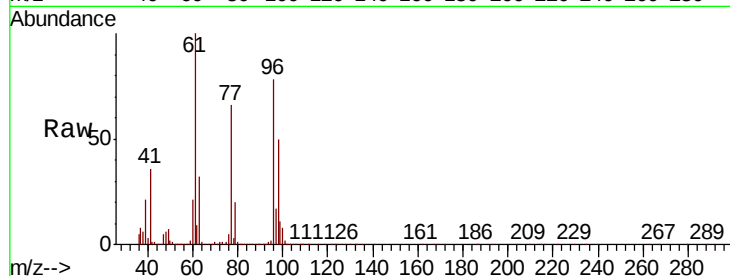
cis-1,2-Dichloroethene
Concen: 46.820 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	238193		
61	132.9	0.0	265.6	
98	64.5	0.0	131.6	

Manual Integrations
APPROVED

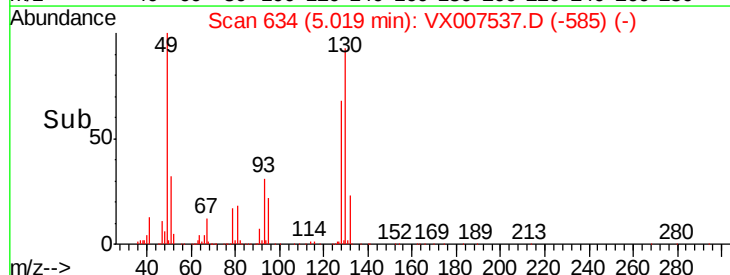
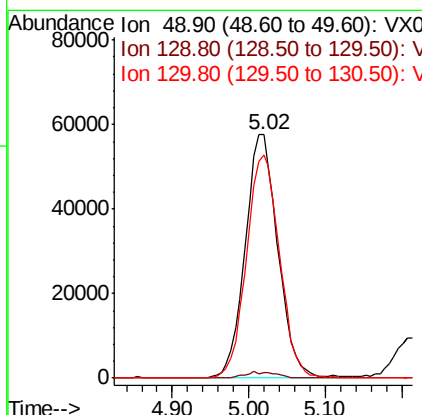
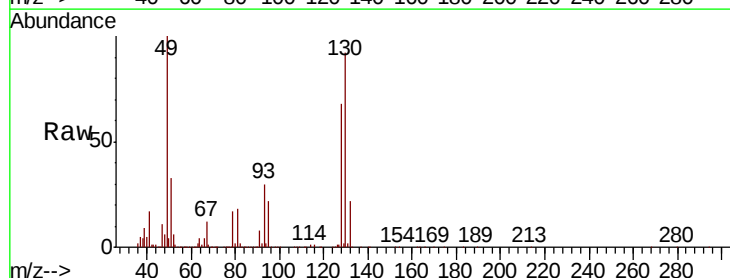
MMDadoda
2/15/2019 10:10:05 AM

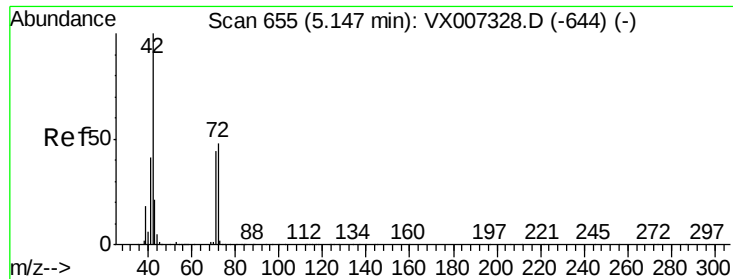


#28

Bromochloromethane
Concen: 49.301 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	170624		
129	2.7	0.0	5.6	
130	93.0	75.6	113.4	





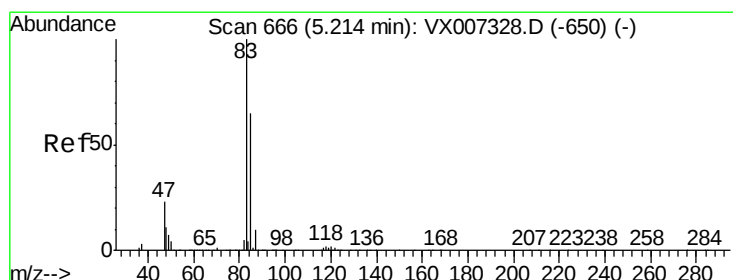
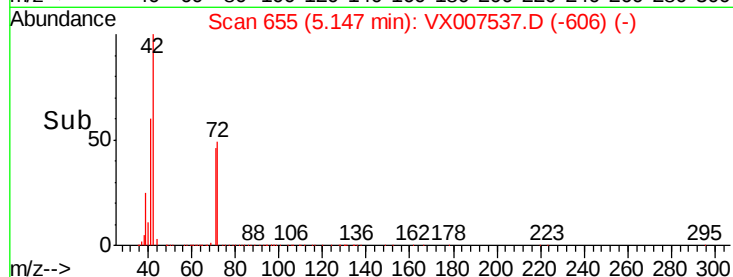
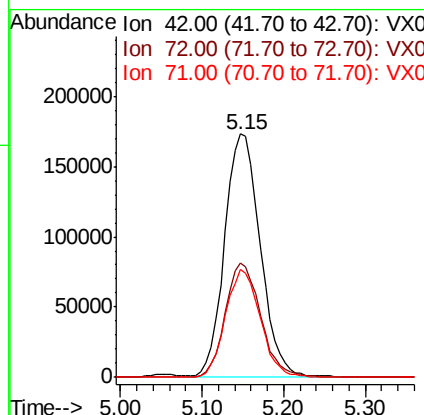
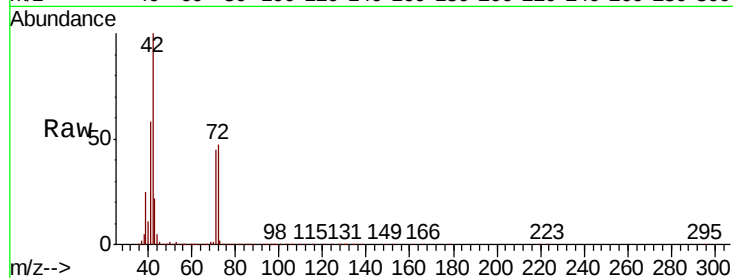
#29
Tetrahydrofuran
Concen: 262.079 ug/l
RT: 5.15 min Scan# 655
Delta R.T. 0.00 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.6	56.4
71	43.5	34.6	51.8

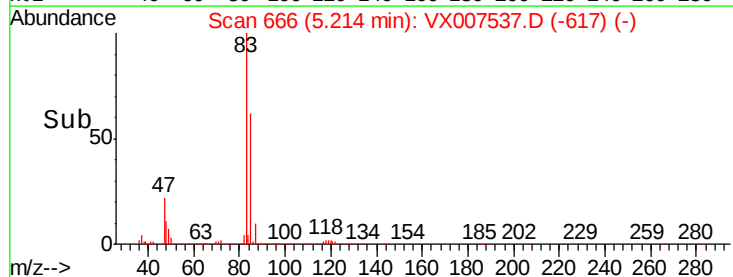
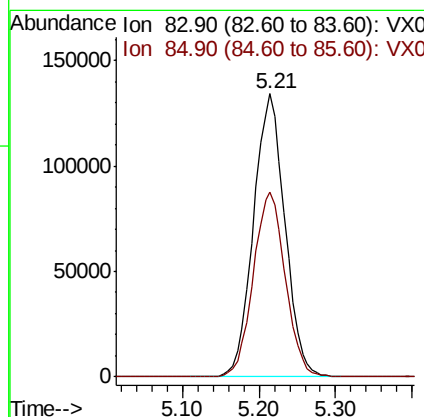
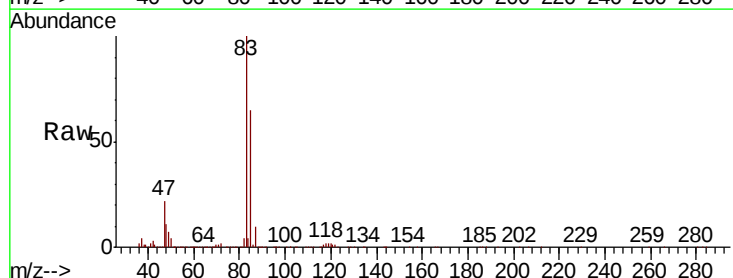
Manual Integrations
APPROVED

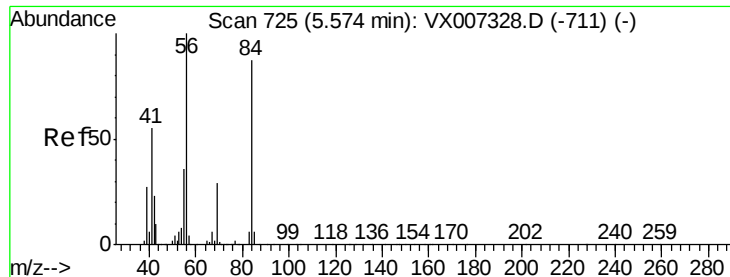
MMDadoda
2/15/2019 10:10:05 AM



#30
Chloroform
Concen: 48.909 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.6	77.4





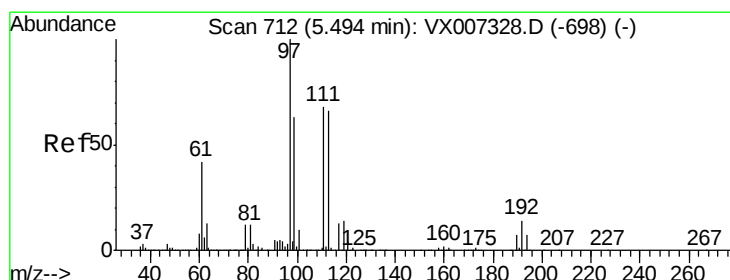
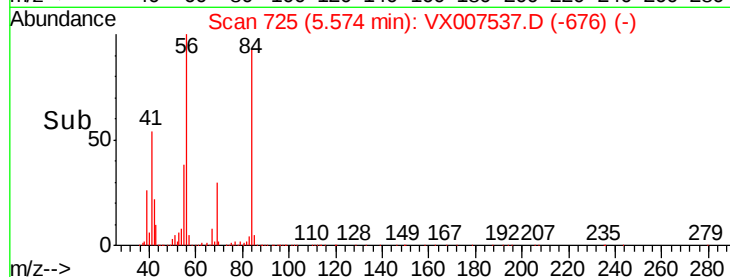
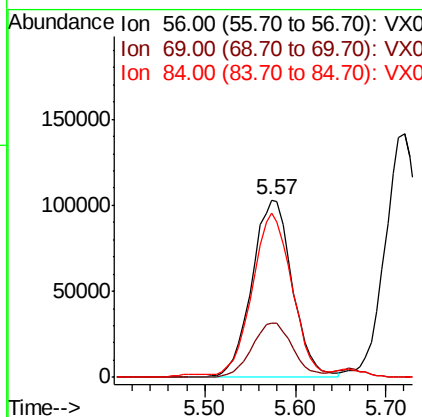
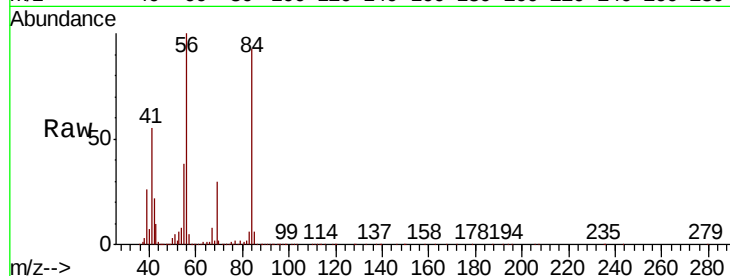
#31
Cvclohexane
Concen: 46.935 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	23.0	34.6
84	91.1	69.8	104.6

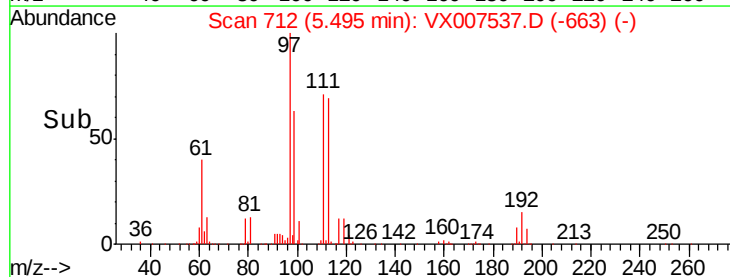
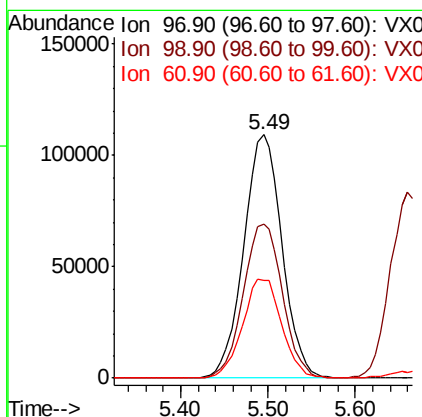
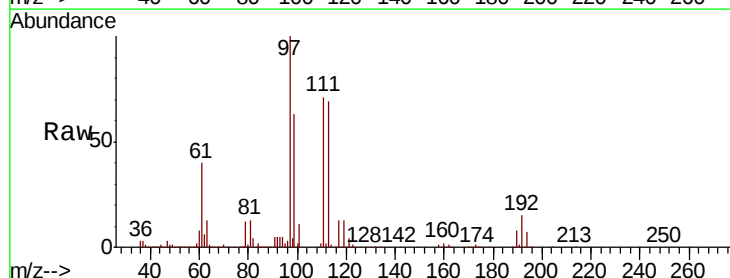
Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:10:05 AM



#32
1,1,1-Trichloroethane
Concen: 50.264 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.2	78.2
61	41.6	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 50.093 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 65 Resp: 243487

Ion Ratio Lower Upper

65 100

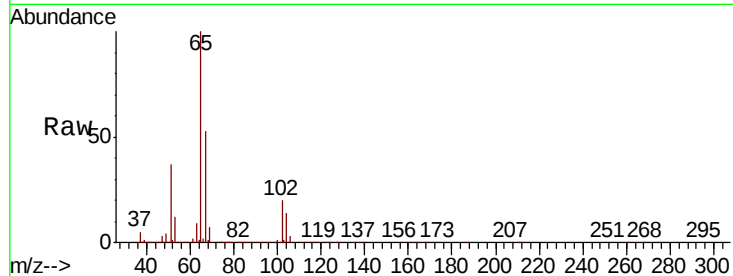
67 53.4 0.0 108.8

Manual Integrations

APPROVED

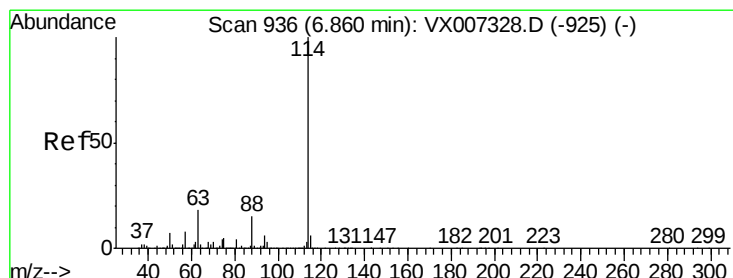
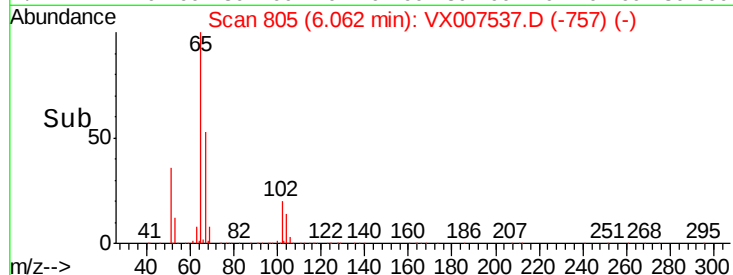
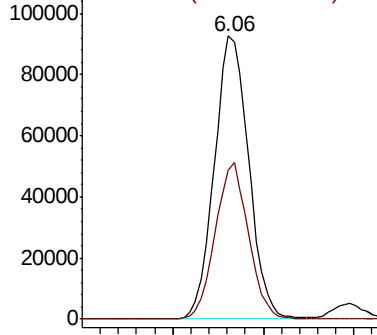
MMDadoda

2/15/2019 10:10:05 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

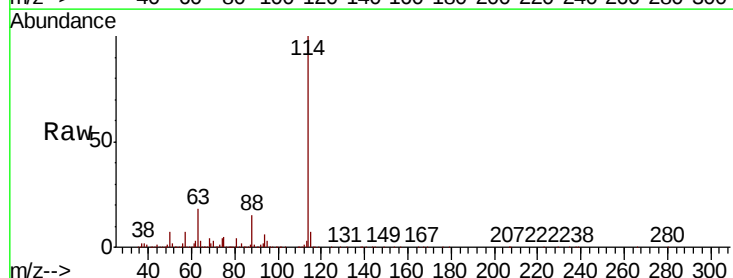
Tgt Ion: 114 Resp: 667091

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.6

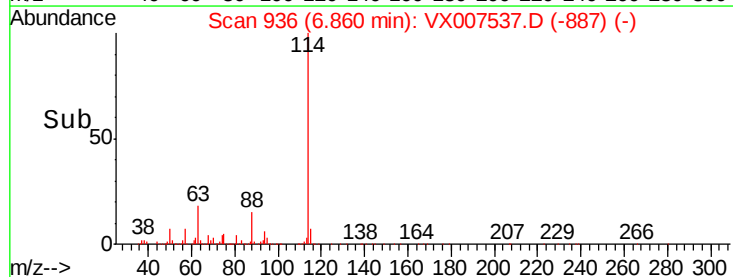
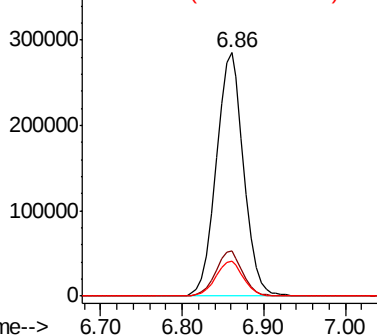
88 14.6 0.0 29.6

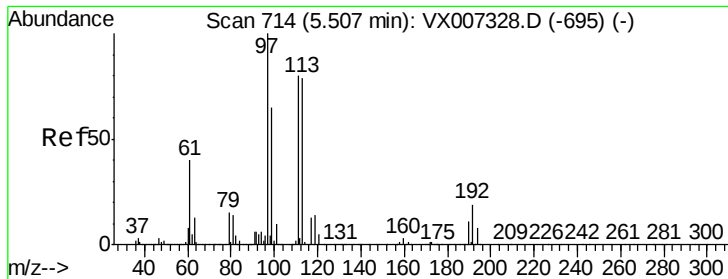


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.176 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Instrument :

MSVOA_X

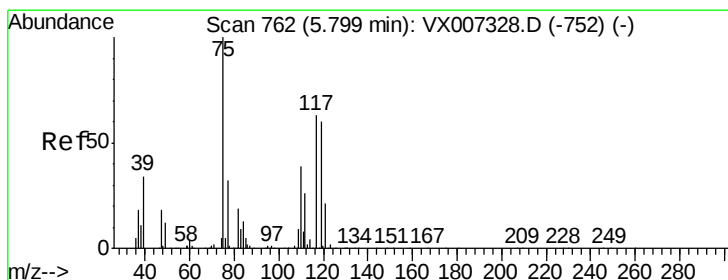
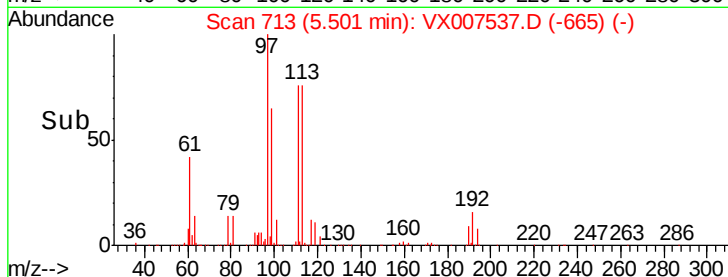
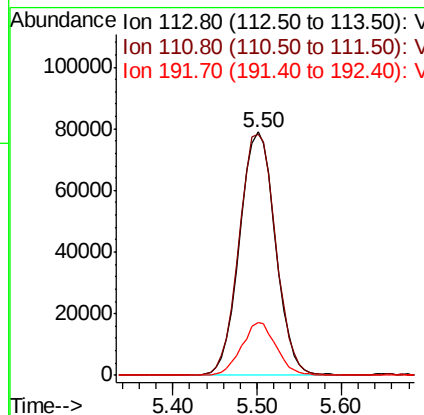
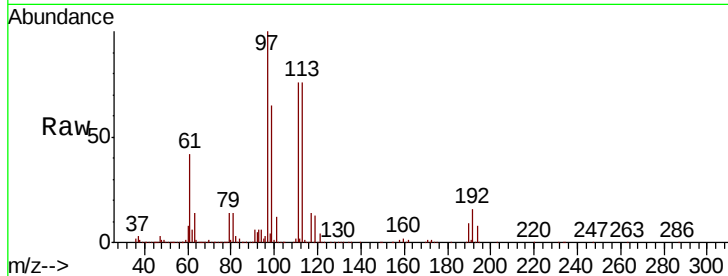
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	226470
Ion Ratio	Lower	Upper	
113	100		
111	101.5	81.8	122.8
192	21.0	18.5	27.7

Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:10:05 AM



#36

1,1-Dichloropropene

Concen: 45.951 ug/l

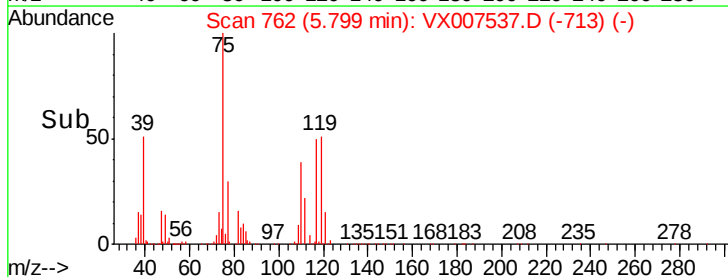
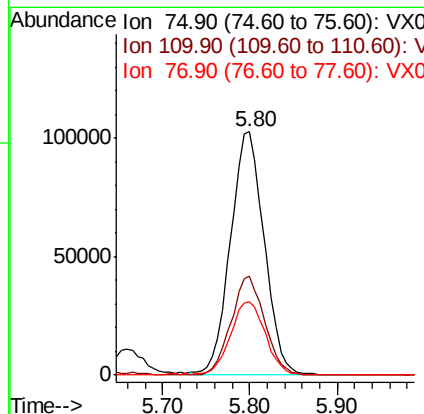
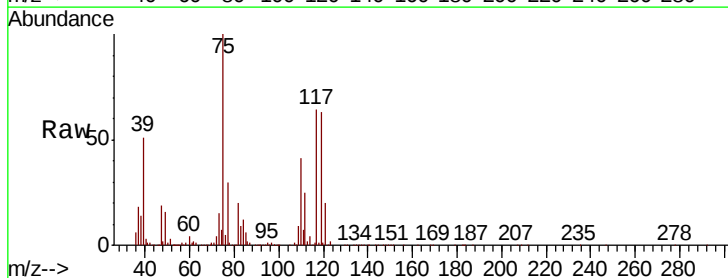
RT: 5.80 min Scan# 762

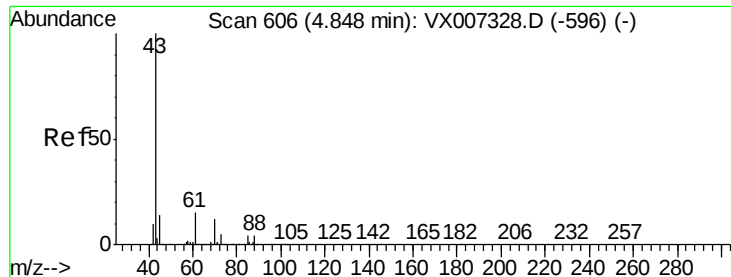
Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Tgt Ion:	75	Resp:	275037
Ion Ratio	Lower	Upper	
75	100		
110	40.7	20.0	59.9
77	31.2	24.7	37.1





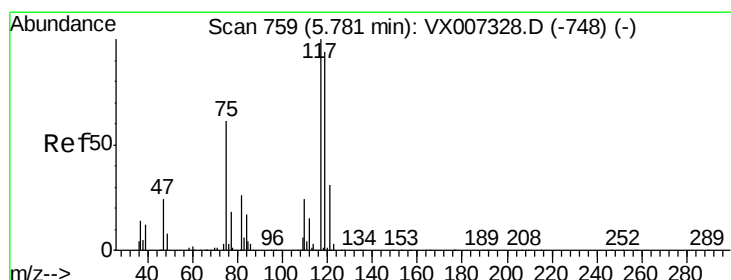
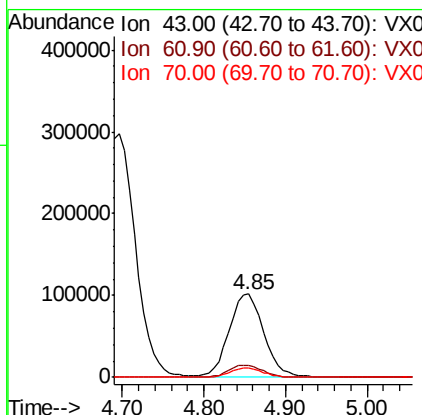
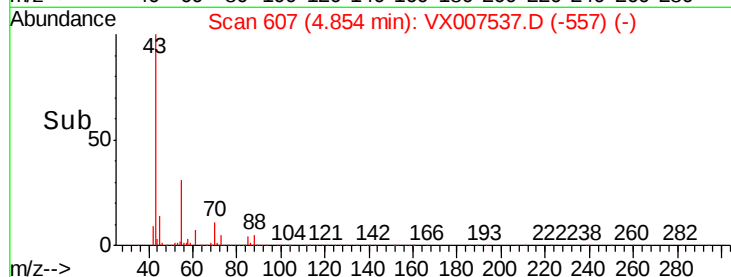
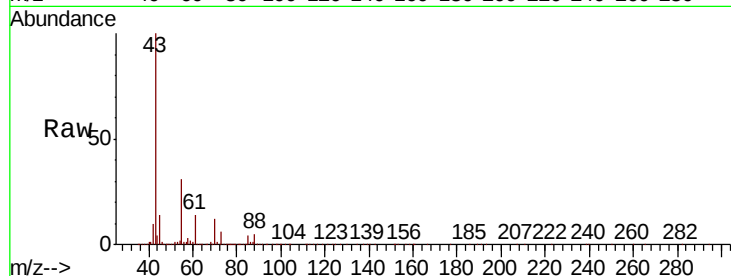
#37
Ethyl Acetate
Concen: 49.214 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.3	16.9
70	11.5	8.6	13.0

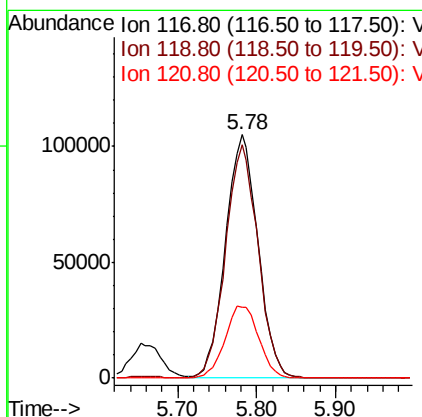
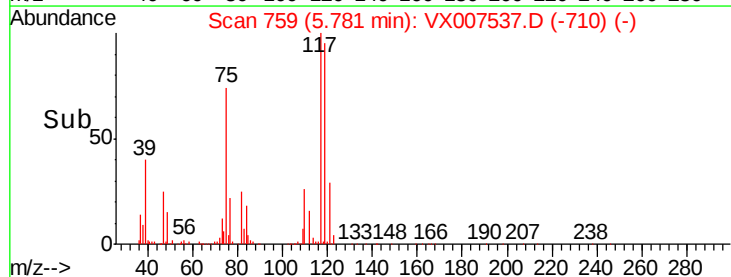
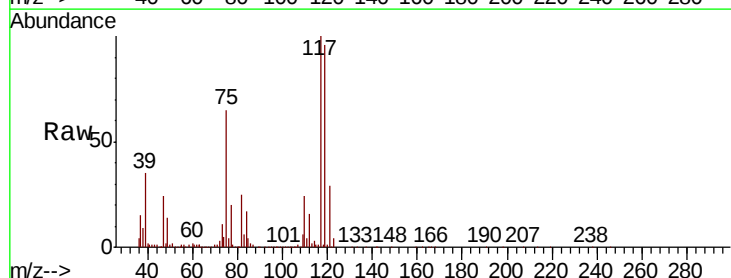
Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:10:05 AM



#38
Carbon Tetrachloride
Concen: 51.750 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.3	112.9
121	29.0	25.0	37.4





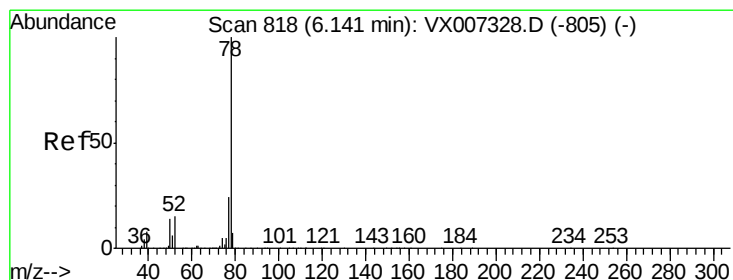
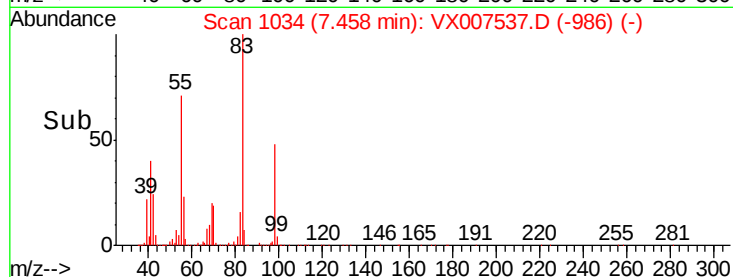
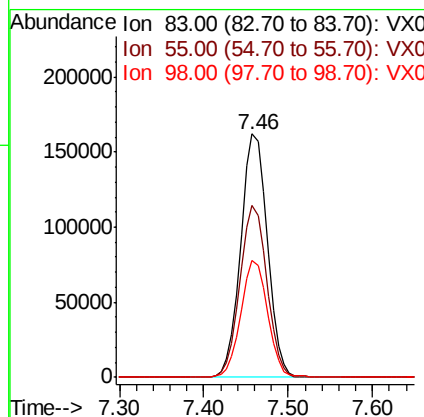
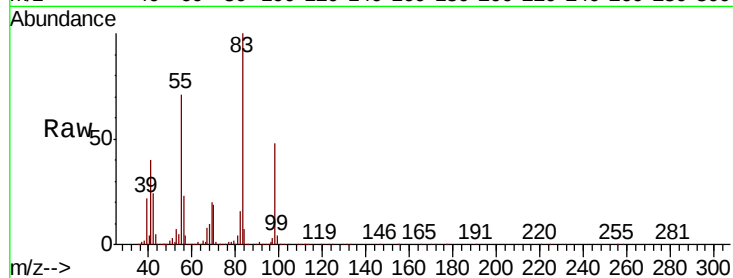
#39
Methvlcvclohexane
Concen: 47.750 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.6	56.2	84.2
98	48.2	36.8	55.2

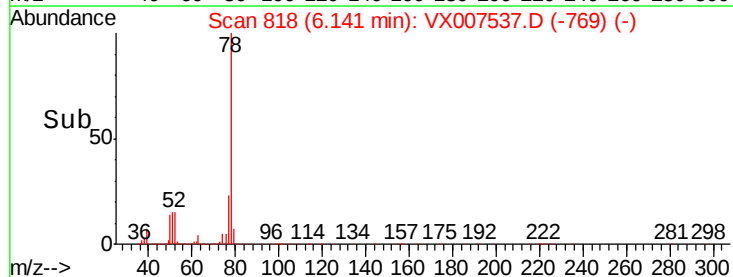
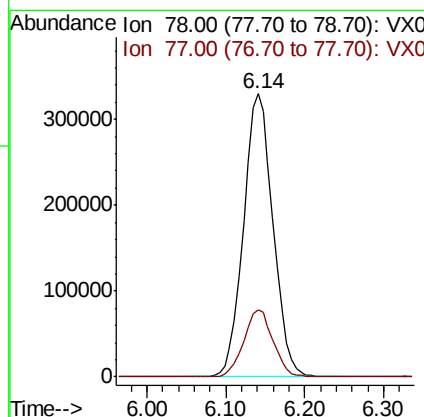
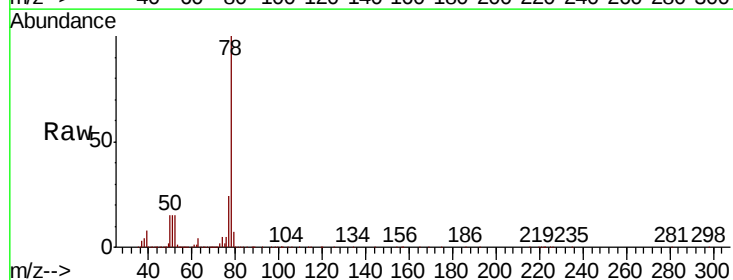
Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:10:05 AM



#40
Benzene
Concen: 48.550 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.3	28.9





#41

Methacrylonitrile

Concen: 52.022 ug/l

RT: 5.06 min Scan# 640

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Instrument :

MSVOA_X

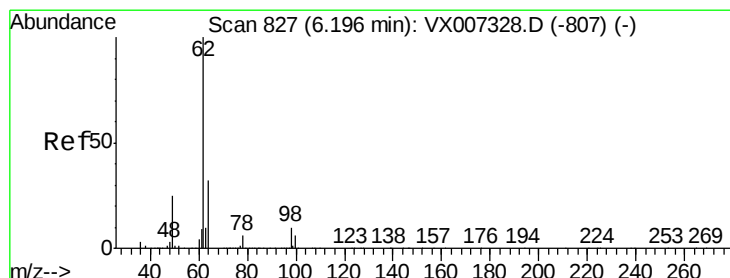
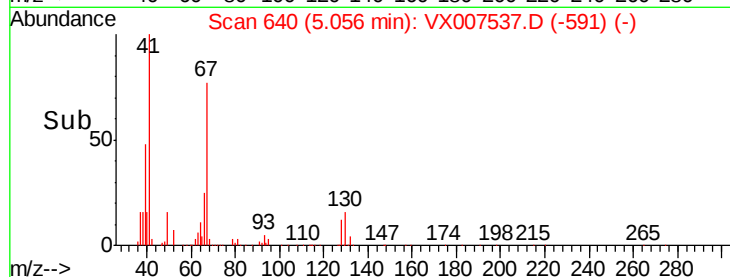
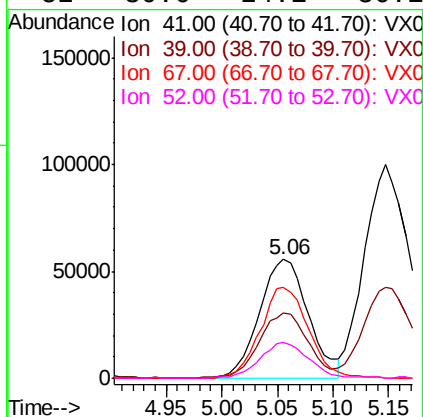
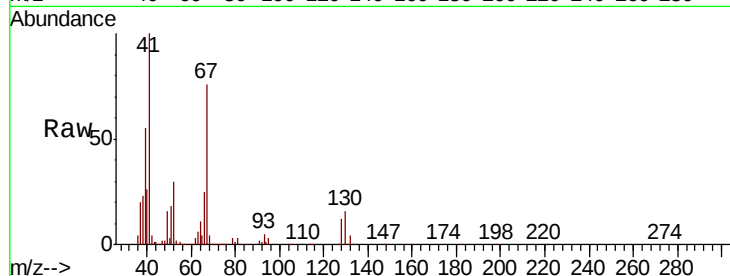
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		168696		
39	54.4	44.5	66.7		
67	76.0	60.4	90.6		
52	30.6	24.1	36.1		

Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:10:05 AM



#42

1,2-Dichloroethane

Concen: 47.808 ug/l

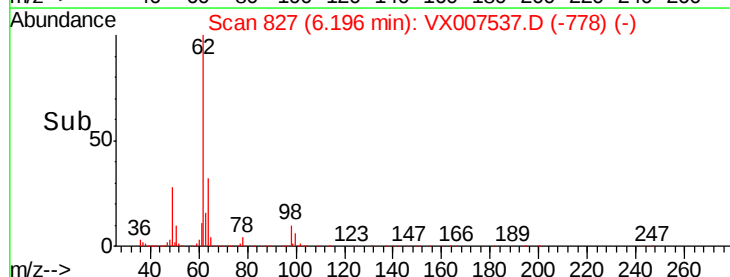
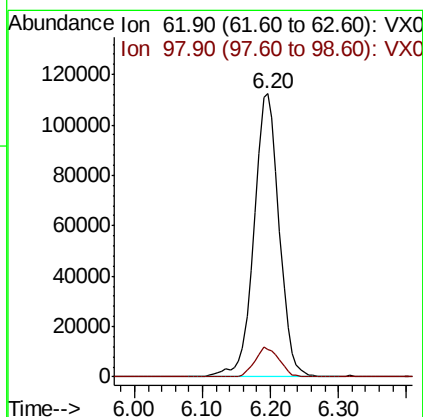
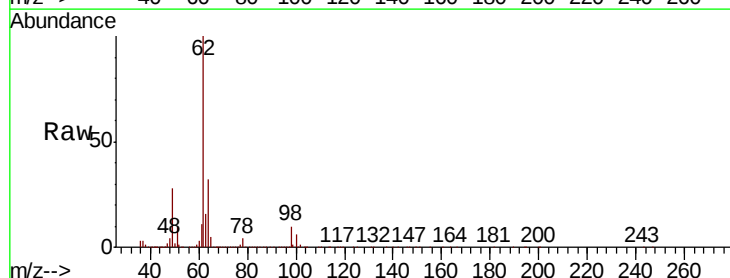
RT: 6.20 min Scan# 827

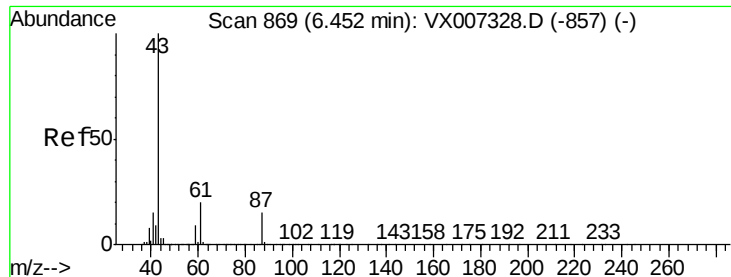
Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		291640		
98	10.1	0.0	19.0		





#43

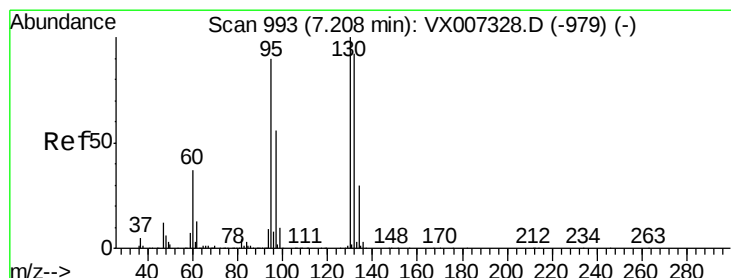
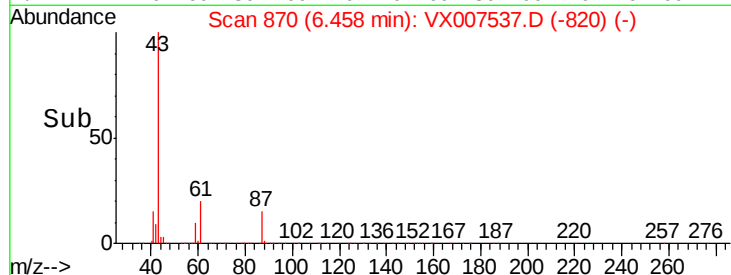
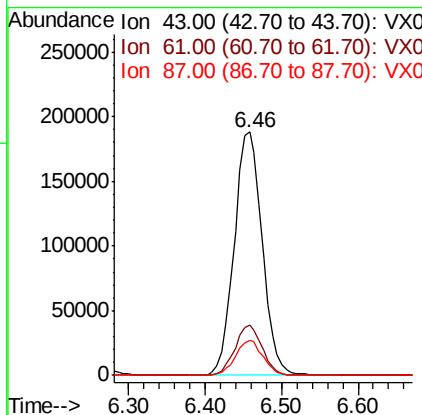
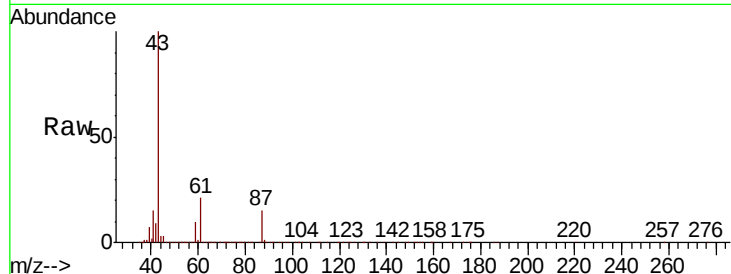
Isopropyl Acetate
 Concen: 50.871 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.01 min
 Lab File: VX007537.D
 Acq: 14 Feb 2019 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	16.1	24.1
87	14.1	11.5	17.3

Manual Integrations
 APPROVED

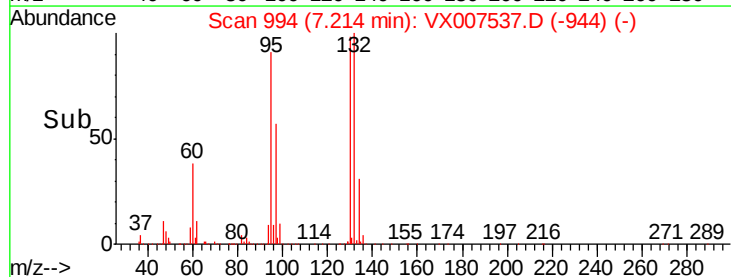
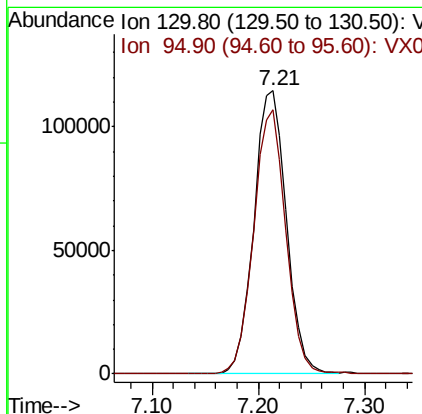
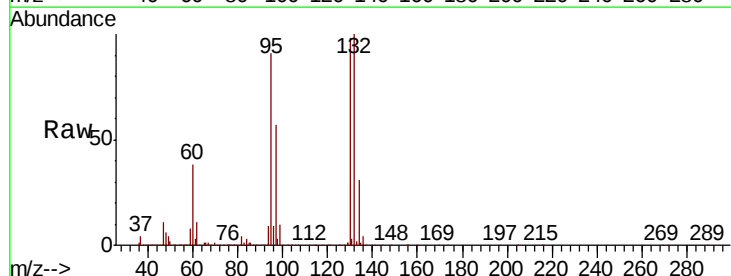
MMDadoda
 2/15/2019 10:10:05 AM

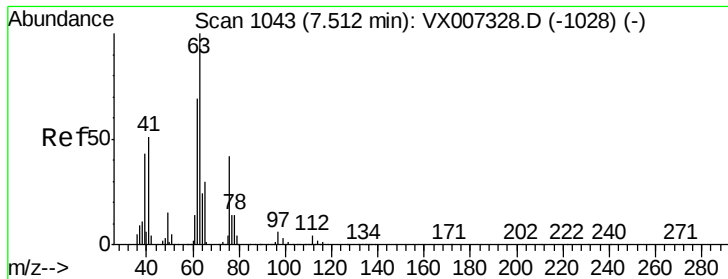


#44

Trichloroethene
 Concen: 46.324 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX007537.D
 Acq: 14 Feb 2019 11:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	180.0





#45

1,2-Dichloropropane

Concen: 48.862 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 215848

Ion Ratio Lower Upper

63 100

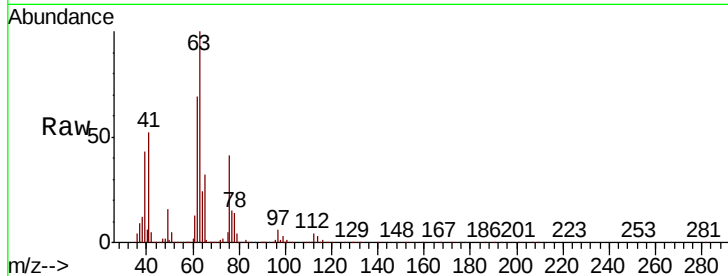
65 32.3 24.2 36.2

Manual Integrations

APPROVED

MMDadoda

2/15/2019 10:10:05 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

120000

100000

80000

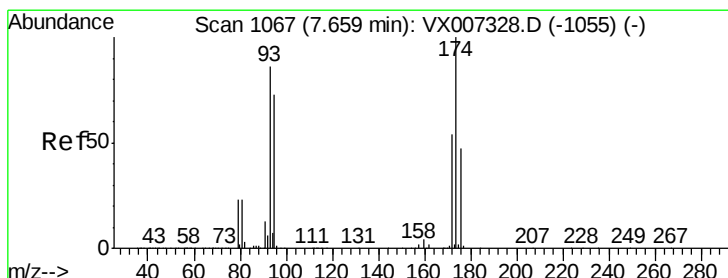
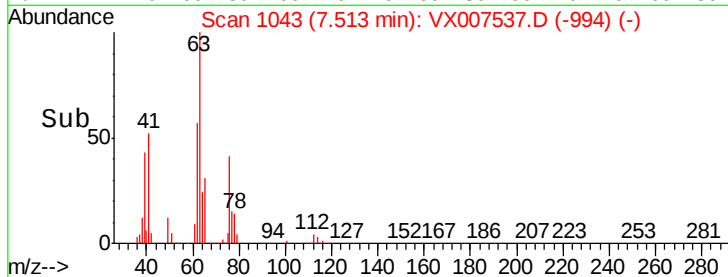
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 47.948 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

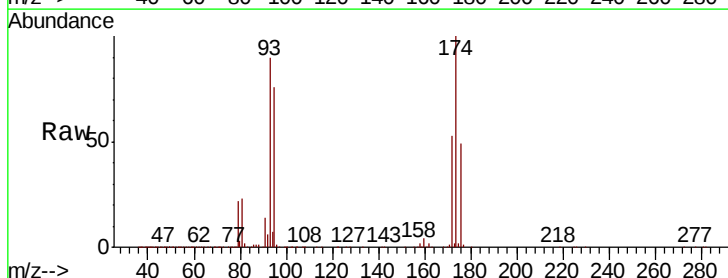
Tgt Ion: 93 Resp: 153947

Ion Ratio Lower Upper

93 100

95 83.8 67.6 101.4

174 115.9 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

120000

100000

80000

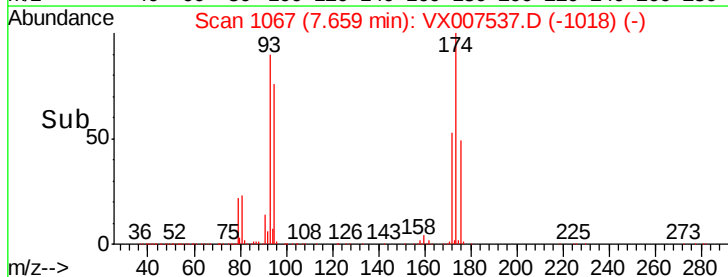
60000

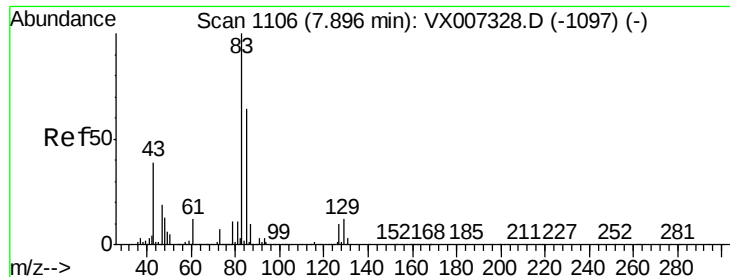
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 52.014 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Instrument :

MSVOA_X

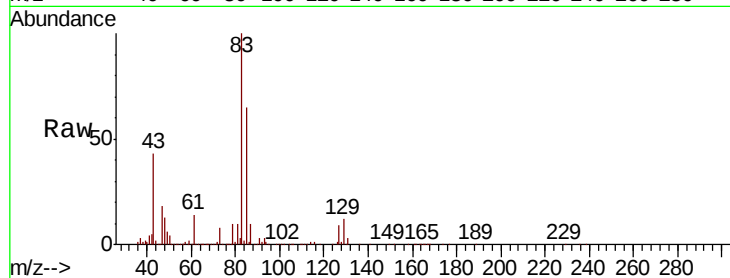
ClientSampleId :

VSTDCCC050

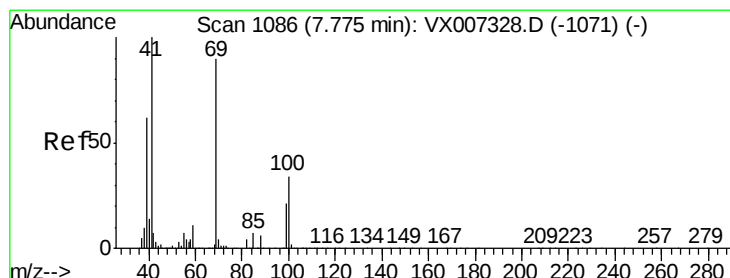
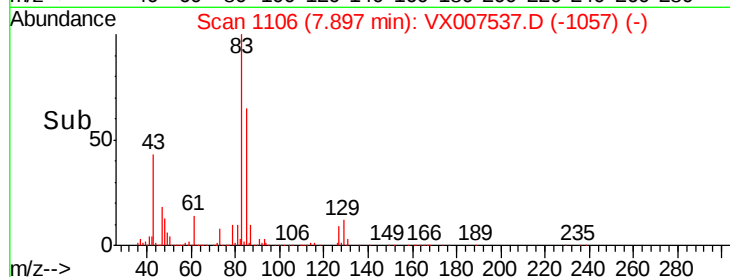
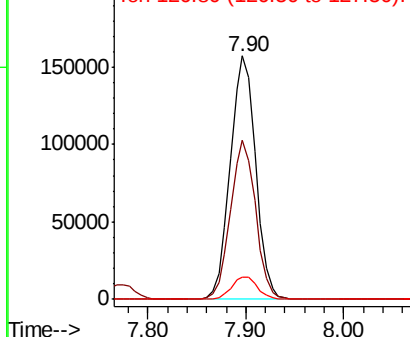
Tot Ion:	83	Resp:	283026
Ion Ratio	Lower	Upper	
83	100		
85	65.1	51.4	77.0
127	9.1	8.1	12.1

Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:10:05 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 52.129 ug/l

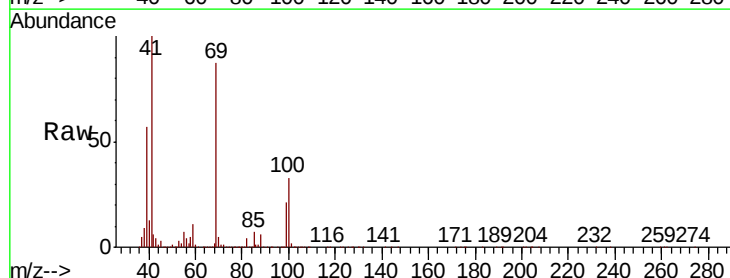
RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

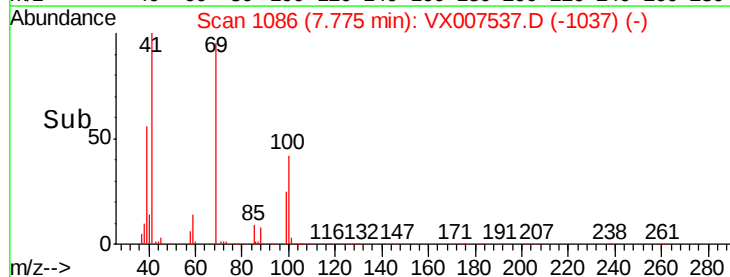
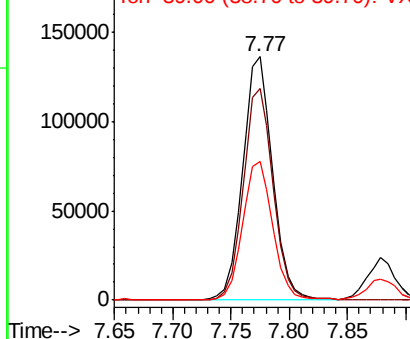
Lab File: VX007537.D

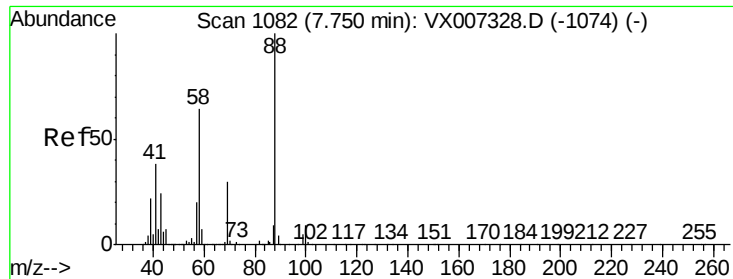
Acq: 14 Feb 2019 11:07

Tgt Ion:	41	Resp:	243514
Ion Ratio	Lower	Upper	
41	100		
69	87.4	70.2	105.4
39	57.7	47.4	71.0



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





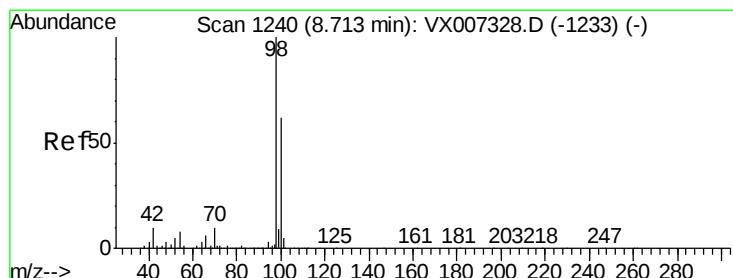
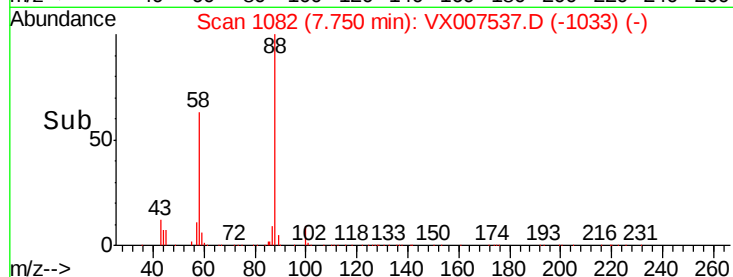
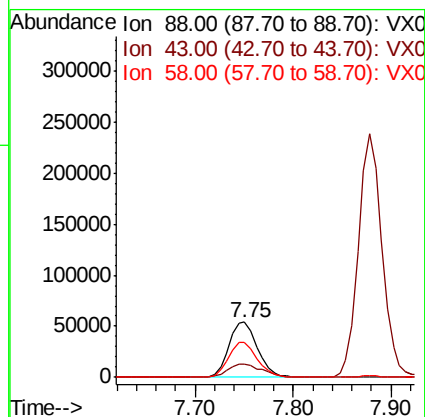
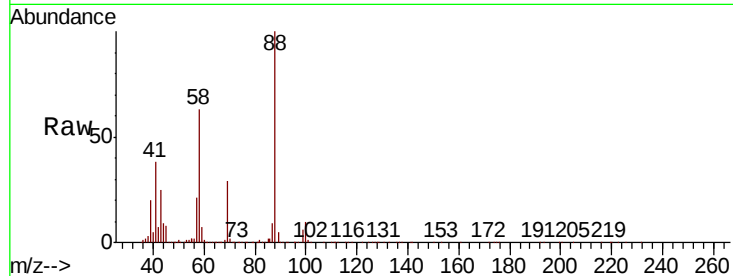
#49
1,4-Dioxane
Concen: 1026.119 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.7	24.2	36.4
58	64.2	53.0	79.4

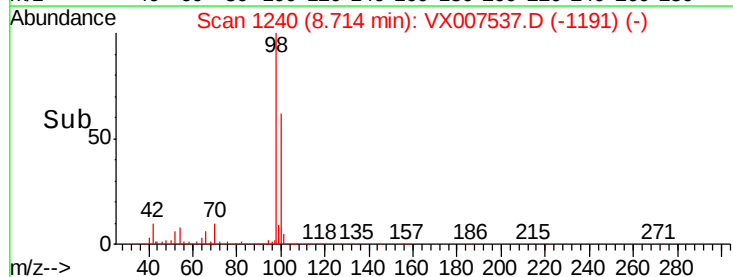
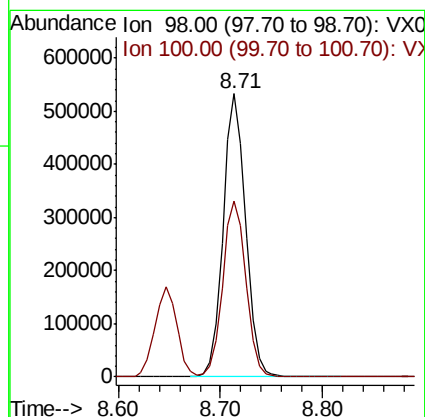
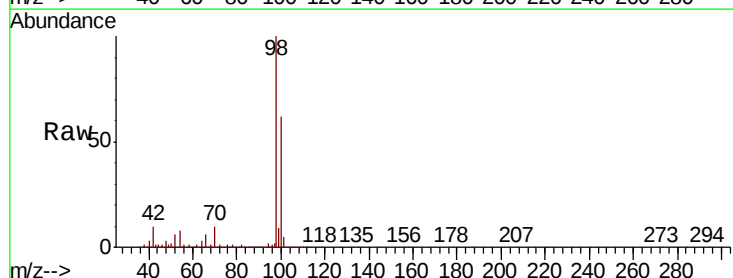
Manual Integrations
APPROVED

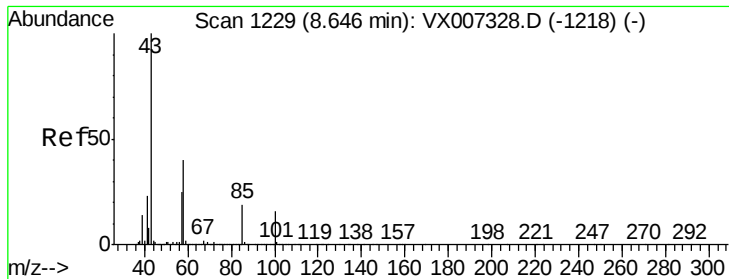
MMDadoda
2/15/2019 10:10:05 AM



#50
Toluene-d8
Concen: 50.648 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 255.332 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1569761

Ion Ratio Lower Upper

43 100

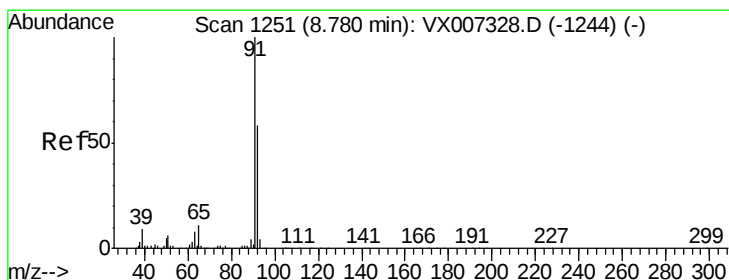
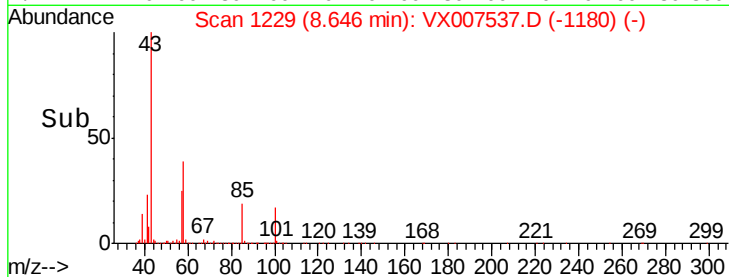
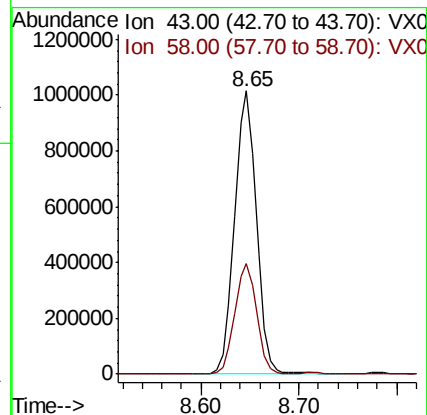
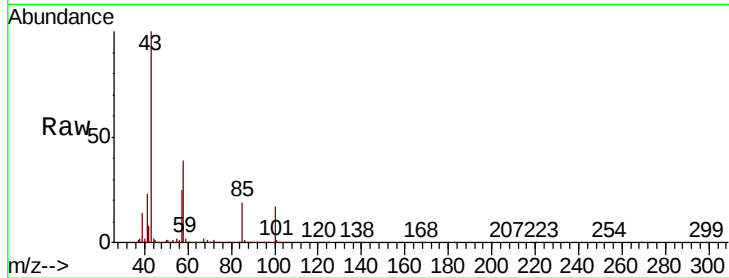
58 39.1 31.2 46.8

Manual Integrations

APPROVED

MMDadoda

2/15/2019 10:10:05 AM



#52

Toluene

Concen: 47.835 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX007537.D

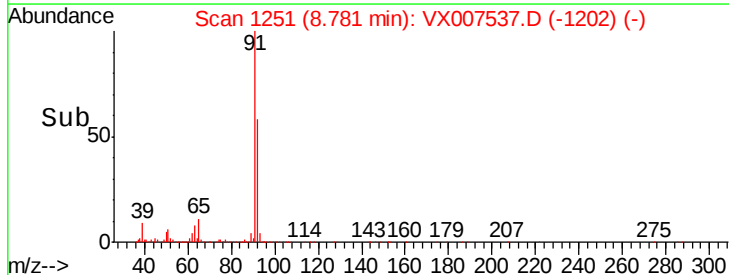
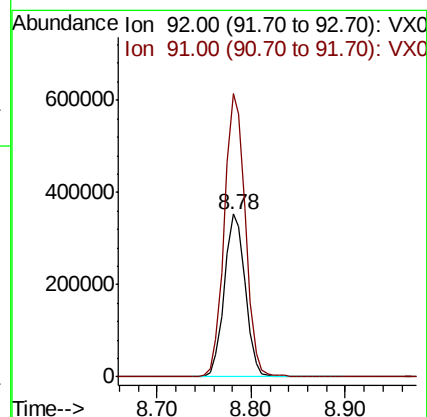
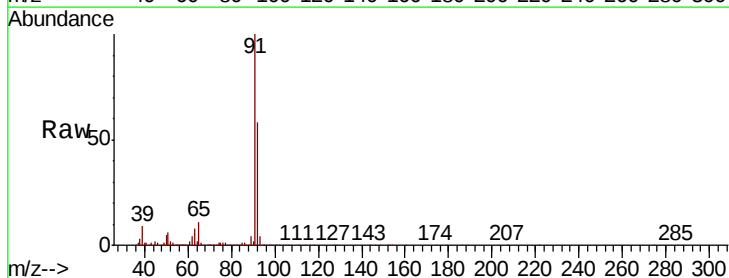
Acq: 14 Feb 2019 11:07

Tgt Ion: 92 Resp: 544143

Ion Ratio Lower Upper

92 100

91 174.7 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 51.461 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Tot Ion: 75 Resp: 300785

Ion Ratio Lower Upper

75 100

77 33.0 25.2 37.8

Instrument :

MSVOA_X

ClientSampleId :

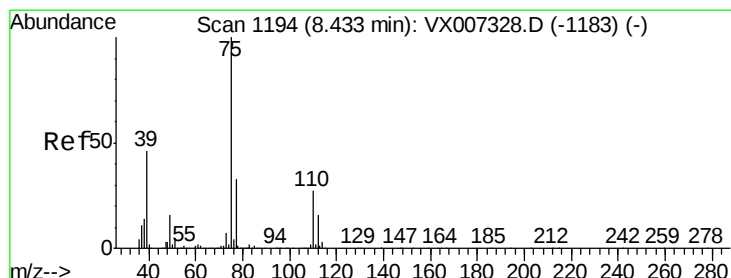
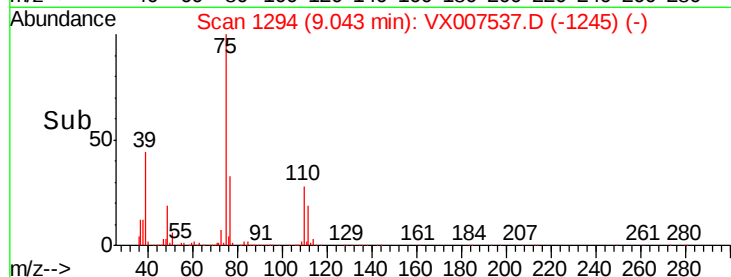
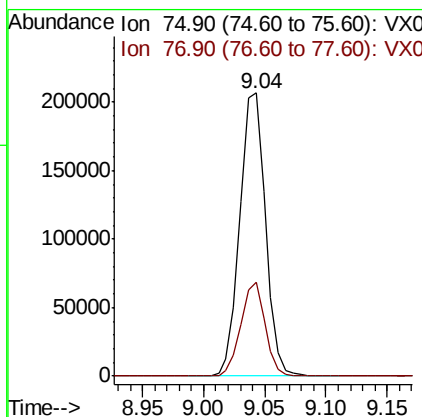
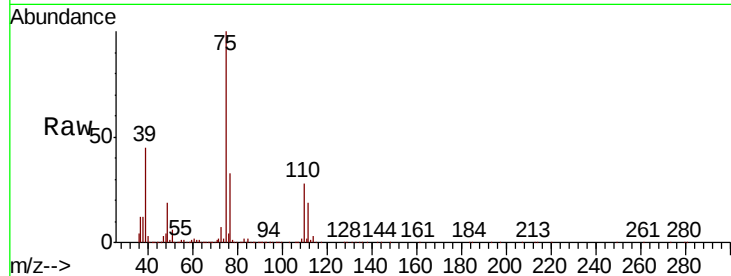
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

2/15/2019 10:10:05 AM



#54

cis-1,3-Dichloropropene

Concen: 52.611 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

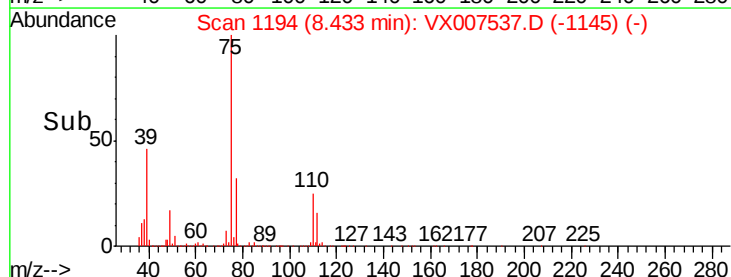
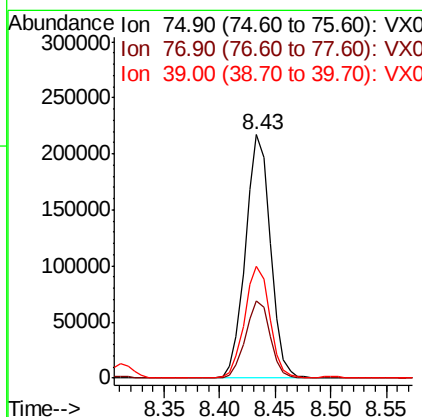
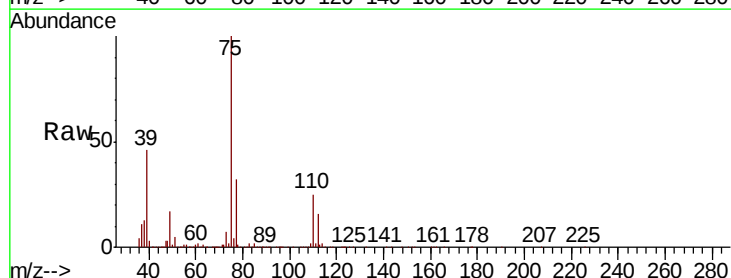
Tgt Ion: 75 Resp: 338163

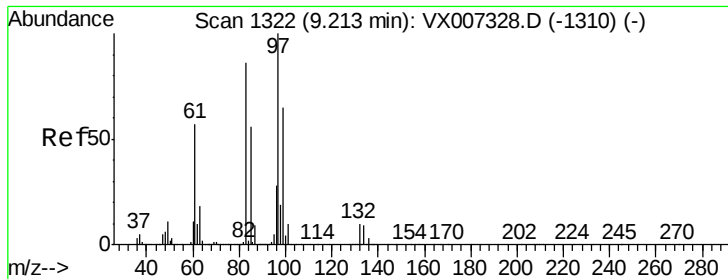
Ion Ratio Lower Upper

75 100

77 31.8 26.2 39.4

39 45.7 37.1 55.7





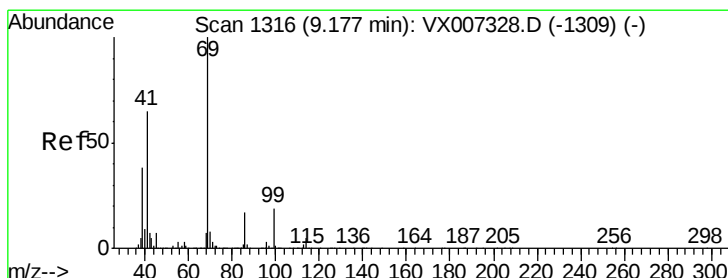
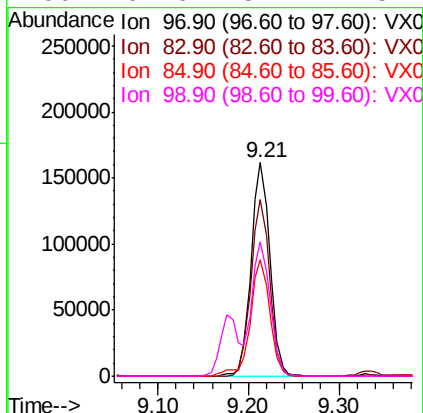
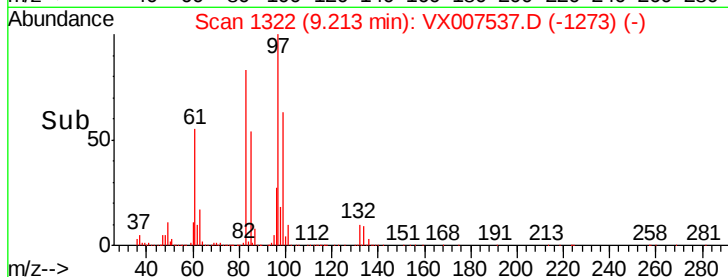
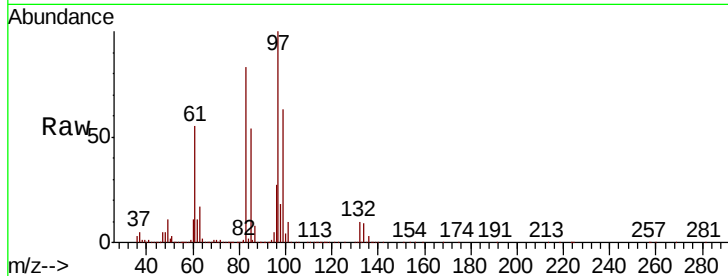
#55
 1,1,2-Trichloroethane
 Concen: 49.164 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007537.D
 Acq: 14 Feb 2019 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		233124		
83	82.9	68.6	102.8		
85	54.4	44.5	66.7		
99	62.6	52.2	78.4		

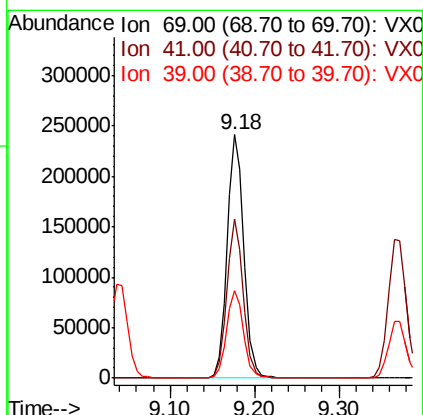
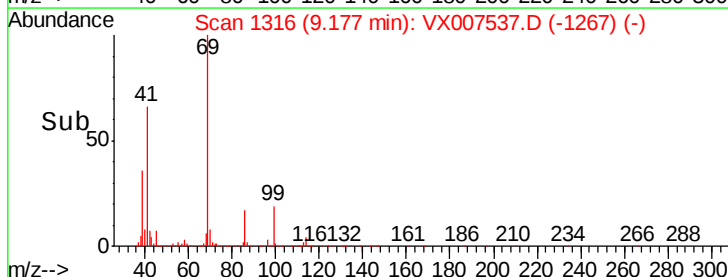
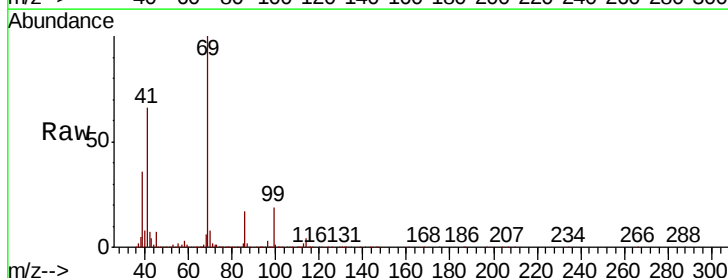
Manual Integrations
 APPROVED

MMDadoda
 2/15/2019 10:10:05 AM



#56
 Ethyl methacrylate
 Concen: 50.025 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007537.D
 Acq: 14 Feb 2019 11:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		328534		
41	63.8	52.1	78.1		
39	36.2	30.1	45.1		





#57

1,3-Dichloropropane

Concen: 48.616 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 366603

Ion Ratio Lower Upper

76 100

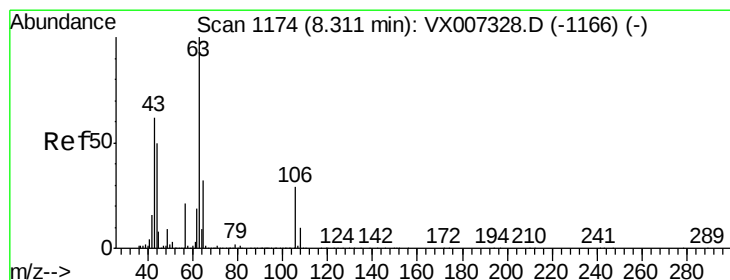
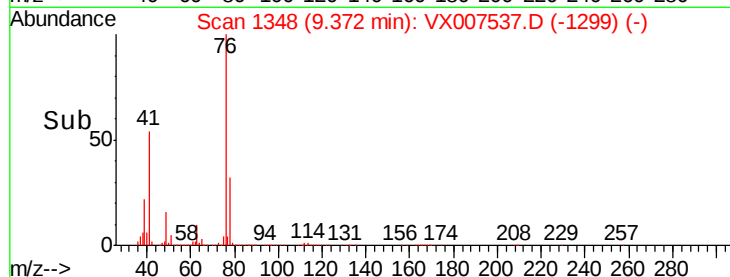
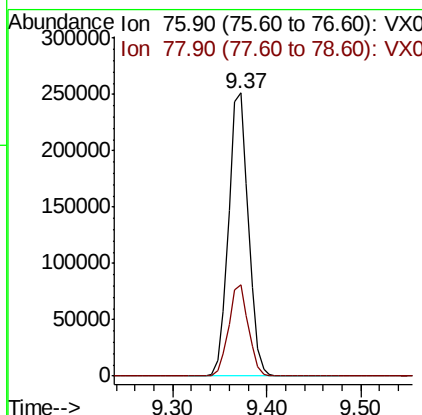
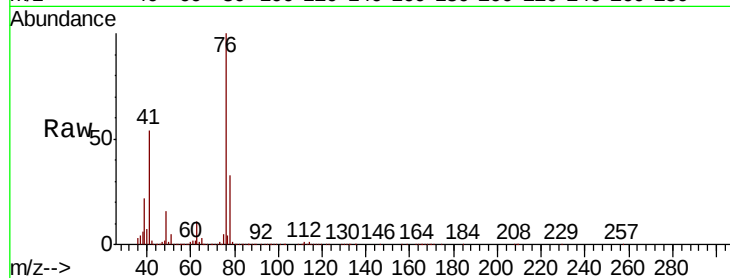
78 32.1 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

2/15/2019 10:10:05 AM



#58

2-Chloroethyl Vinyl ether

Concen: 252.371 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007537.D

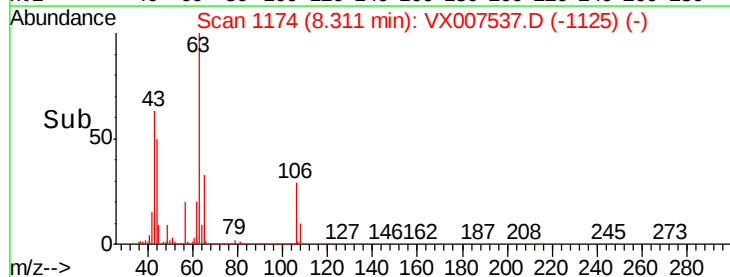
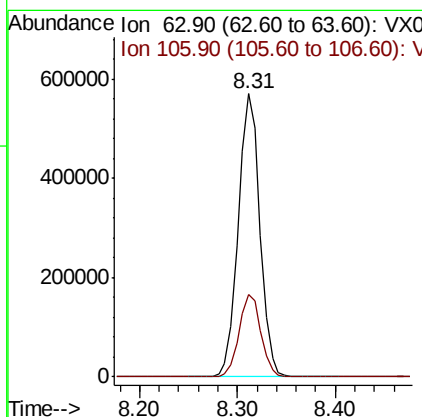
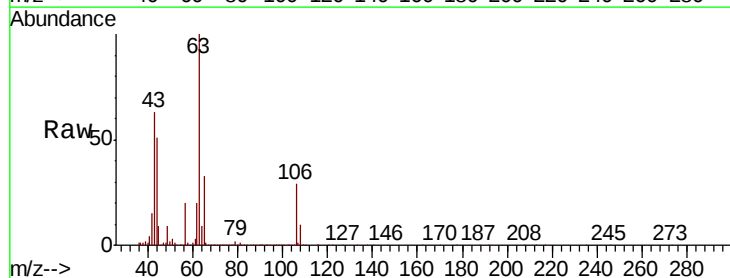
Acq: 14 Feb 2019 11:07

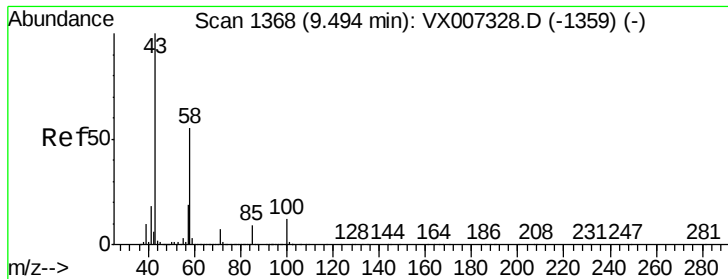
Tgt Ion: 63 Resp: 873601

Ion Ratio Lower Upper

63 100

106 29.5 23.6 35.4





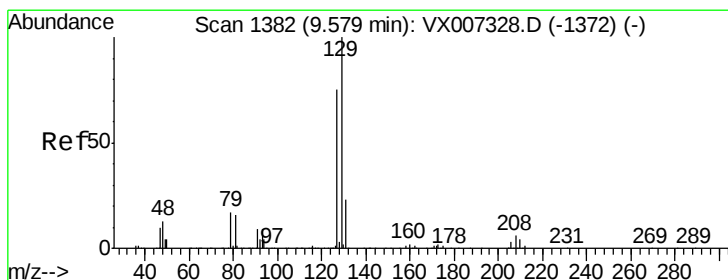
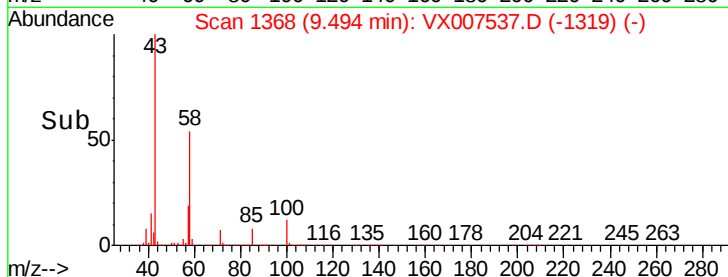
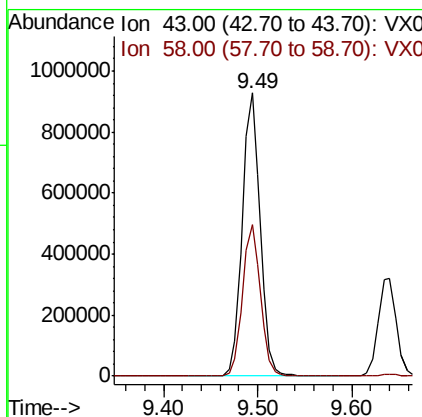
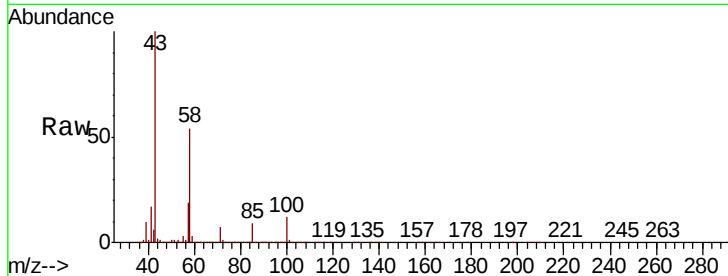
#59
2-Hexanone
Concen: 255.276 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1221269
Ion Ratio Lower Upper
43 100
58 54.0 27.1 81.3

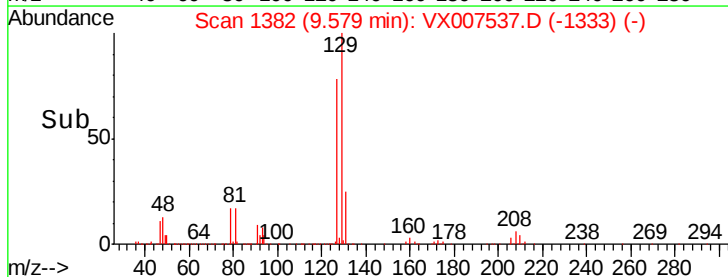
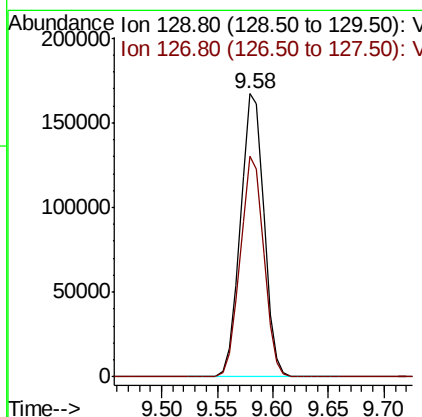
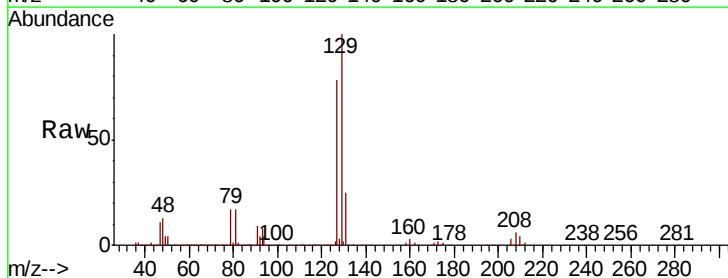
Manual Integrations
APPROVED

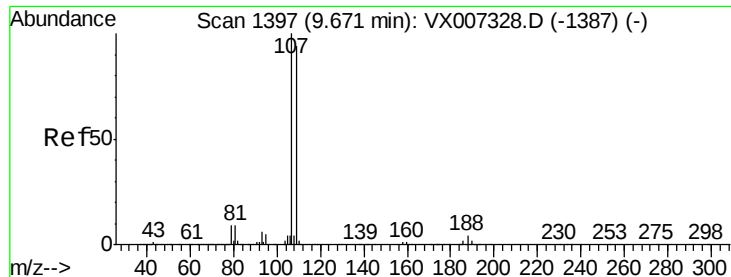
MMDadoda
2/15/2019 10:10:05 AM



#60
Dibromochloromethane
Concen: 54.715 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Tgt Ion: 129 Resp: 245377
Ion Ratio Lower Upper
129 100
127 77.7 37.8 113.4





#61

1,2-Dibromoethane

Concen: 49.238 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 247252

Ion Ratio Lower Upper

107 100

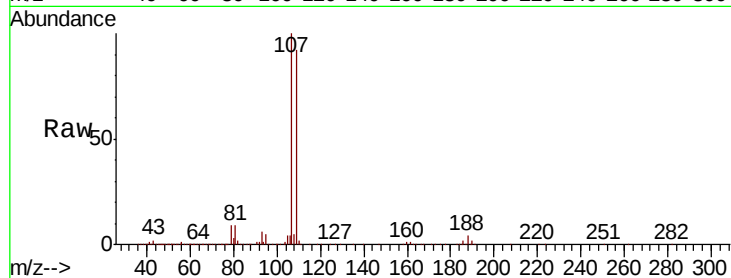
109 94.0 75.1 112.7

Manual Integrations

APPROVED

MMDadoda

2/15/2019 10:10:05 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

200000

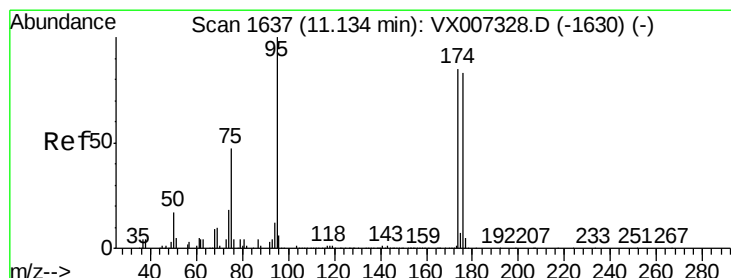
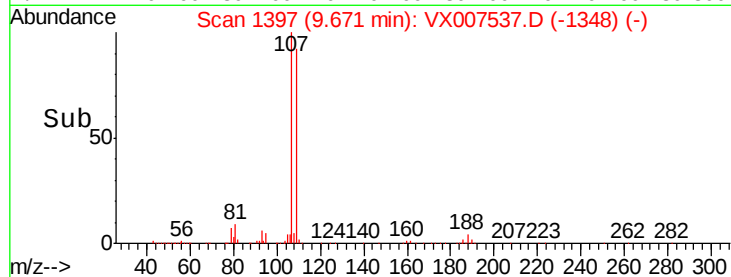
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.249 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

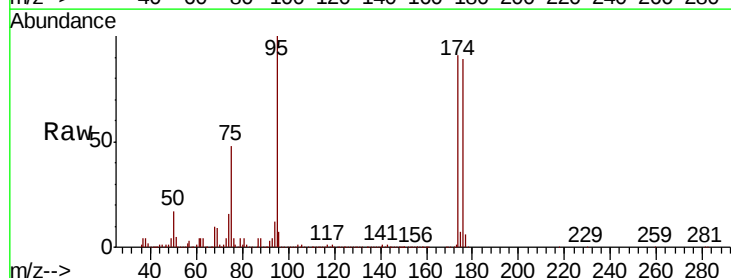
Tgt Ion: 95 Resp: 295444

Ion Ratio Lower Upper

95 100

174 92.7 0.0 189.2

176 90.0 0.0 186.2



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

300000

250000

200000

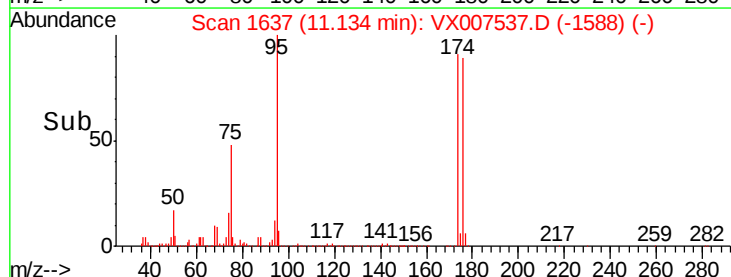
150000

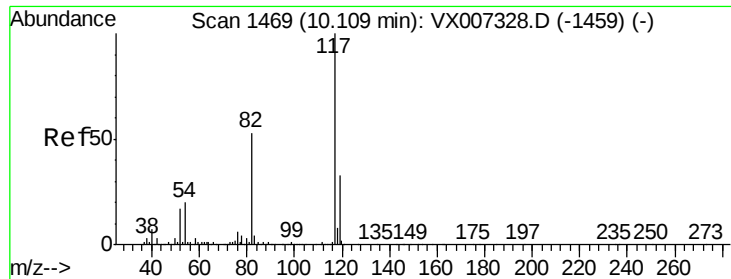
100000

50000

0

Time-->





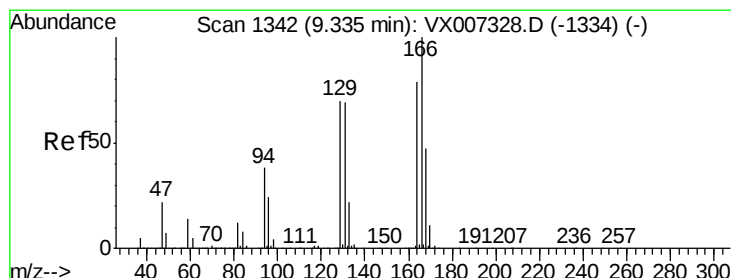
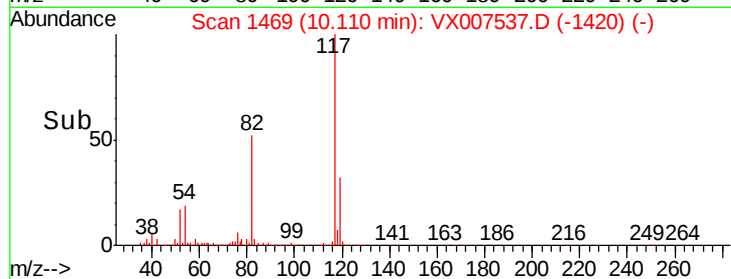
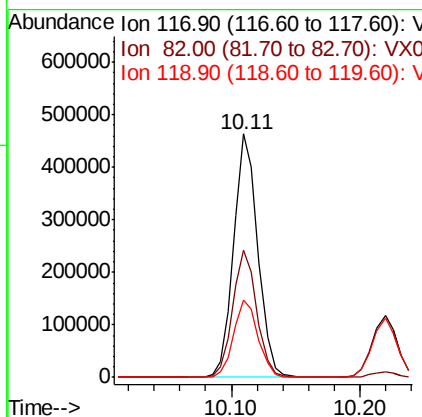
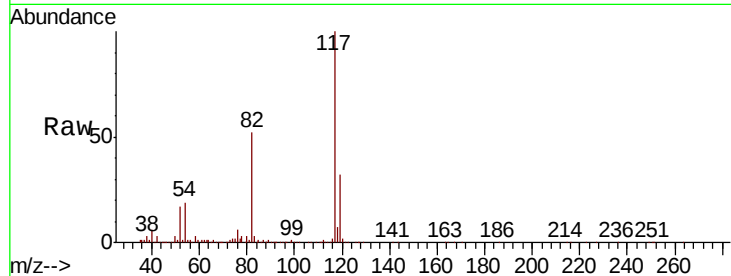
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	606952		
82	52.2		42.1	63.1
119	31.7		26.5	39.7

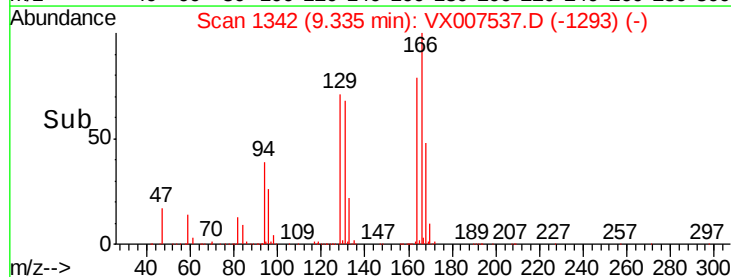
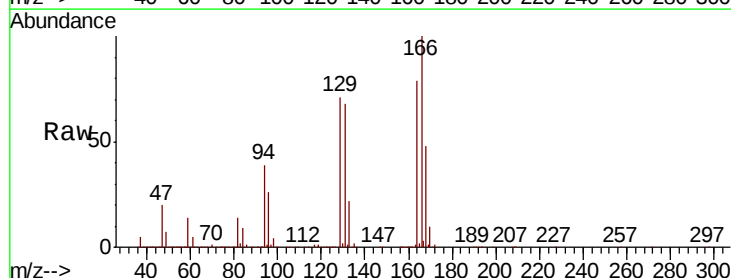
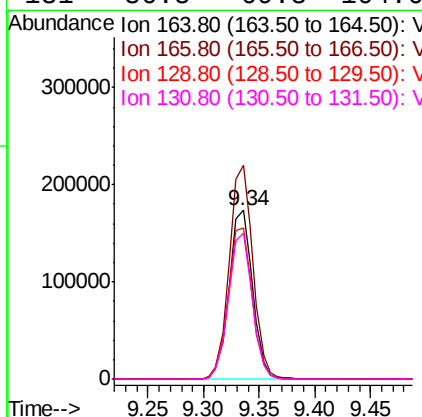
Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:10:05 AM



#64
Tetrachloroethene
Concen: 44.249 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	253134		
166	126.5		101.0	151.4
129	89.4		70.5	105.7
131	86.5		69.8	104.6





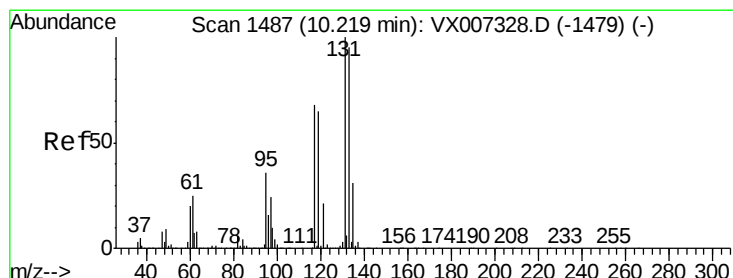
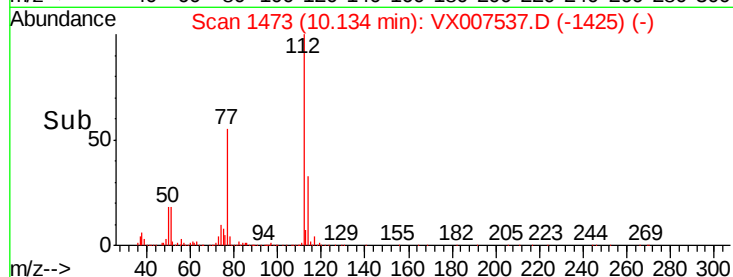
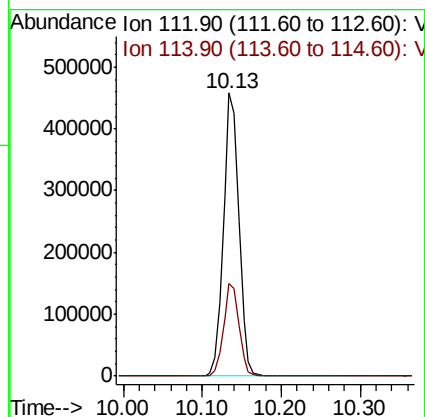
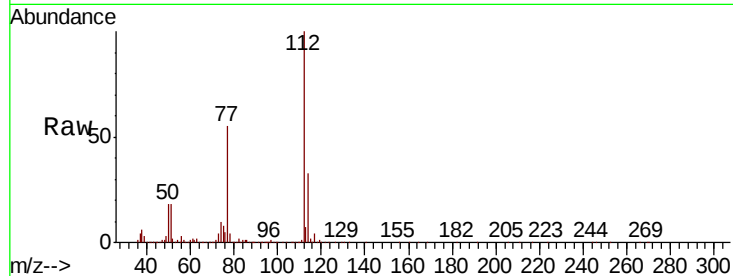
#65
Chlorobenzene
Concen: 47.327 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.8	38.6

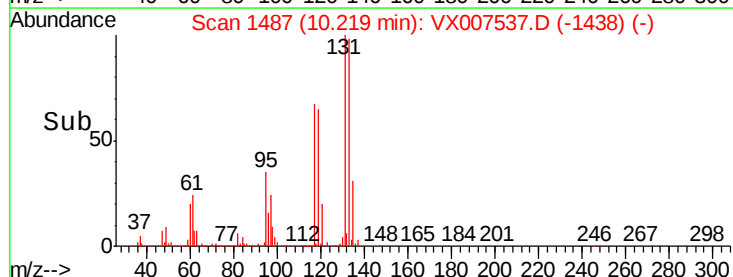
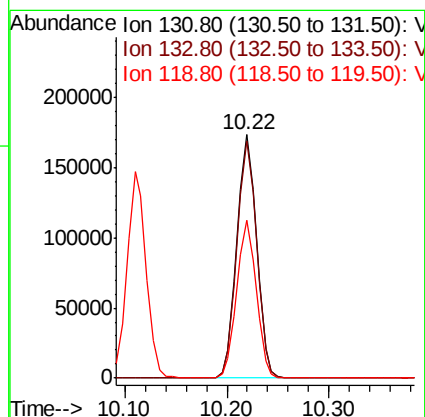
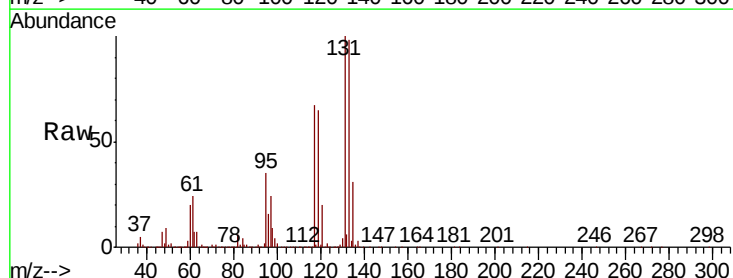
Manual Integrations
APPROVED

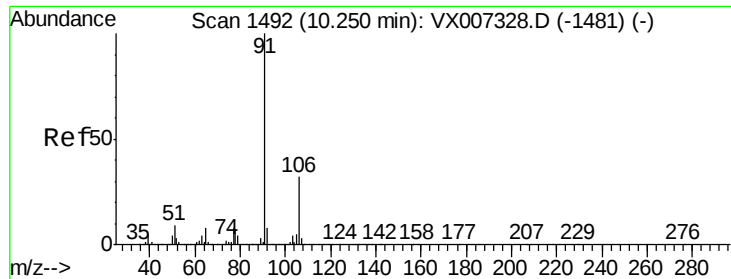
MMDadoda
2/15/2019 10:10:05 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.988 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.5	48.0	144.2
119	63.9	32.0	96.0





#67

Ethyl Benzene

Concen: 49.021 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1045587

Ion Ratio Lower Upper

91 100

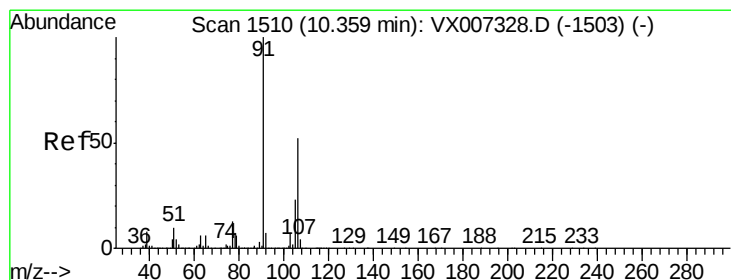
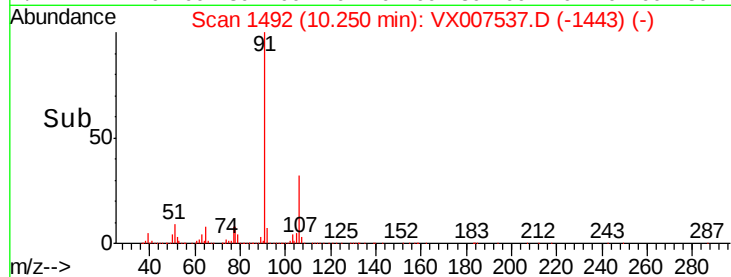
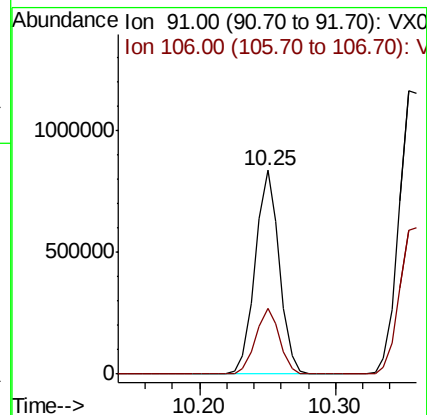
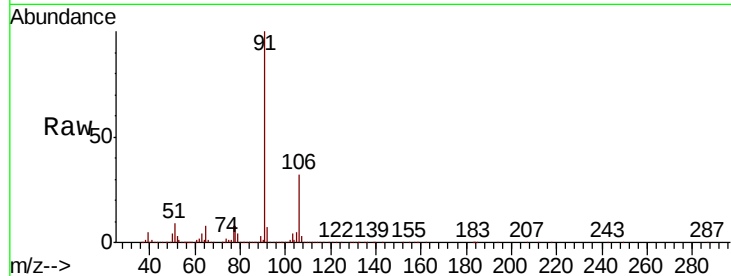
106 32.2 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

2/15/2019 10:10:05 AM



#68

m/p-Xylenes

Concen: 97.534 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007537.D

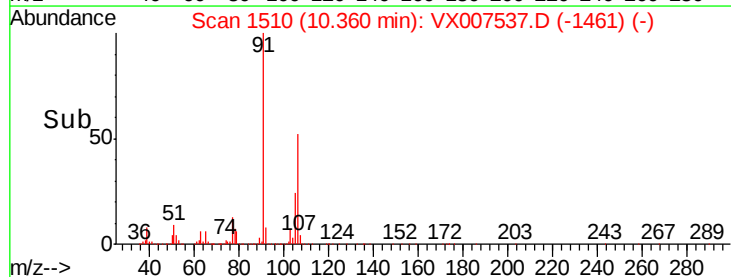
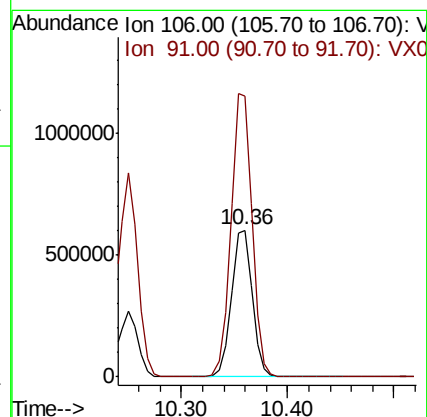
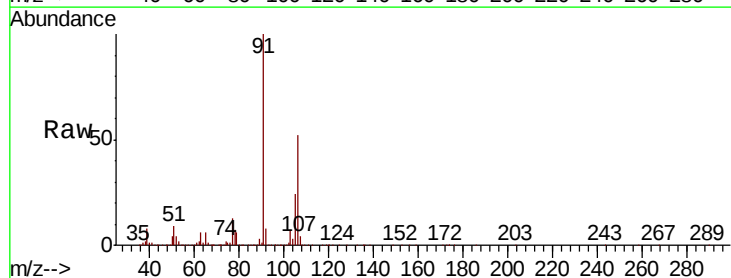
Acq: 14 Feb 2019 11:07

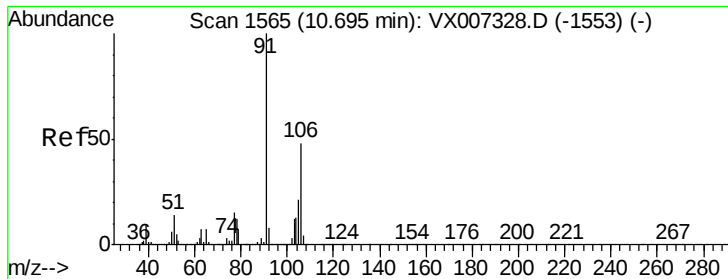
Tgt Ion: 106 Resp: 826954

Ion Ratio Lower Upper

106 100

91 195.2 156.6 234.8





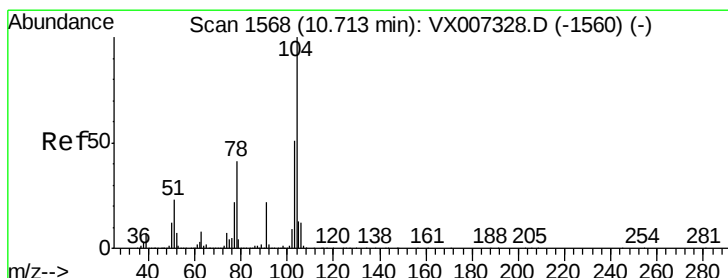
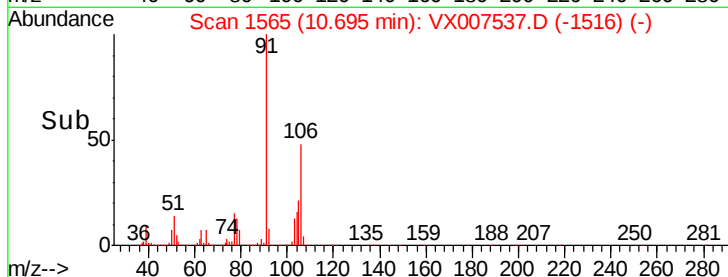
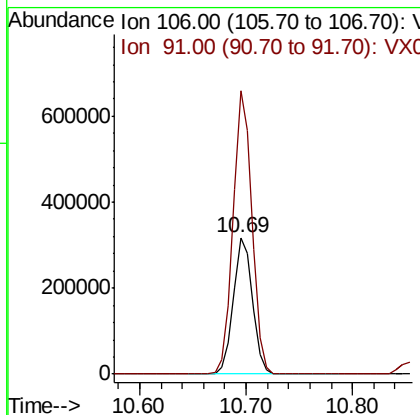
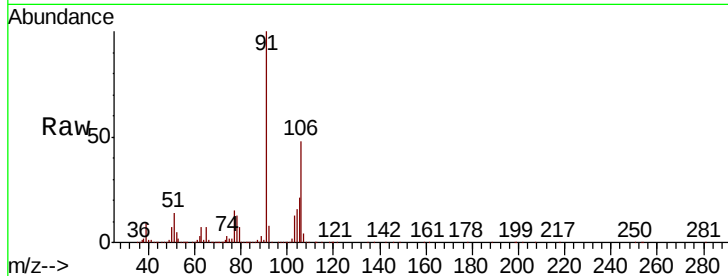
#69
o-Xylene
Concen: 49.095 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.4	102.9	308.7

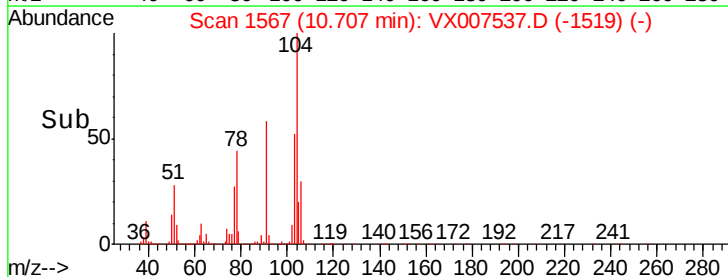
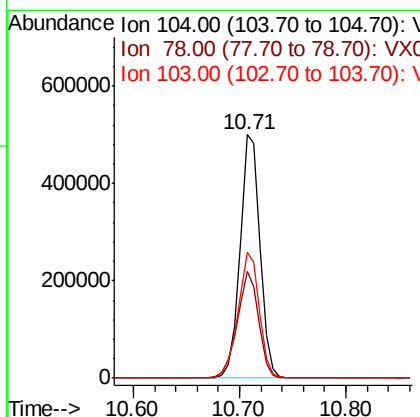
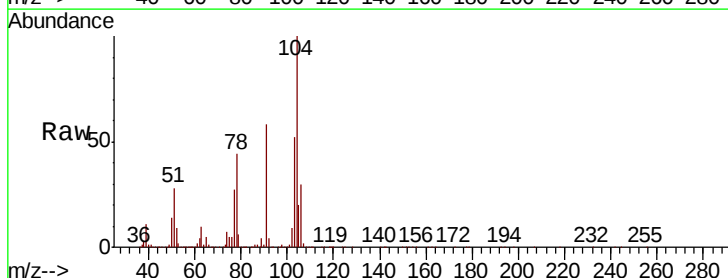
Manual Integrations
APPROVED

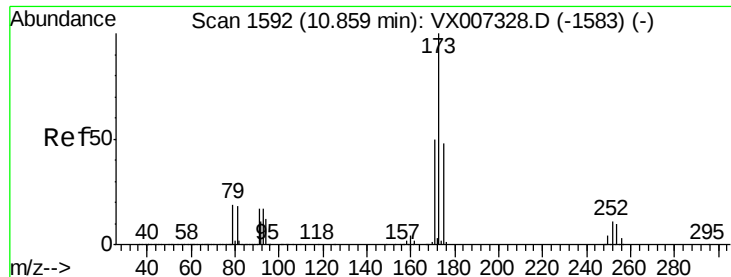
MMDadoda
2/15/2019 10:10:05 AM



#70
Styrene
Concen: 49.693 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.0	38.3	57.5
103	55.3	44.6	67.0





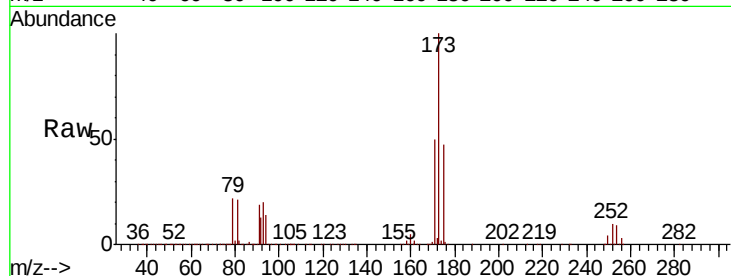
#71
Bromoform
Concen: 47.755 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.2	72.6
254	0.1	0.2	0.2#

Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:10:05 AM

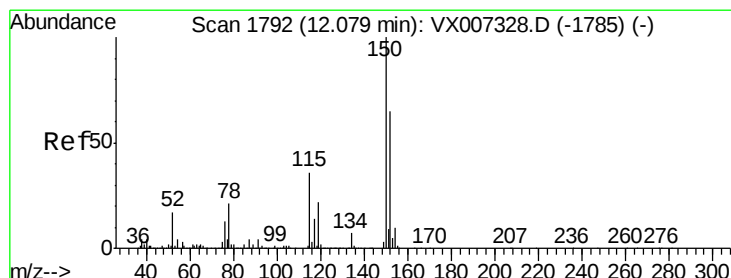
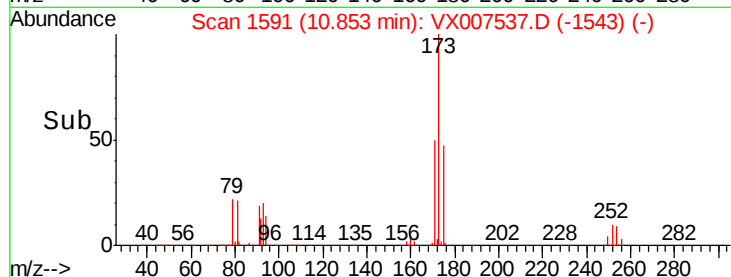
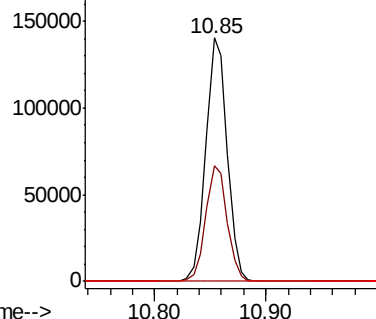


Abundance

Ion 172.70 (172.40 to 173.40): V

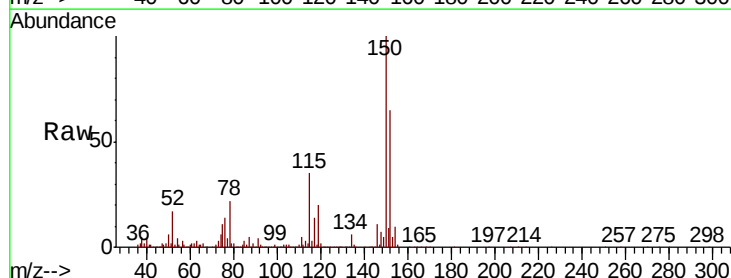
Ion 174.70 (174.40 to 175.40): V

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: VX007537.D
Acq: 14 Feb 2019 11:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.0	38.0	114.0
150	172.5	0.0	346.4

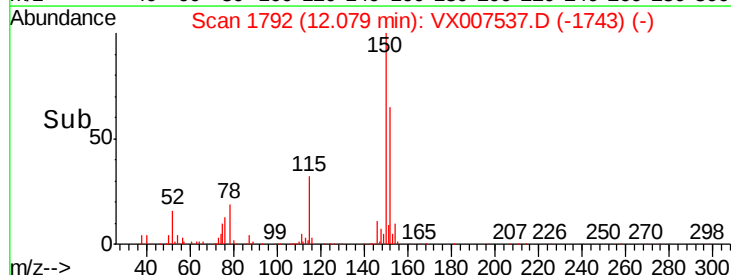
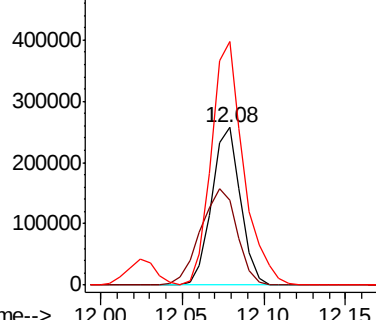


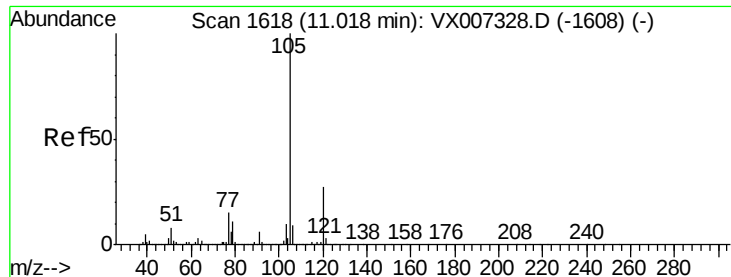
Abundance

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: 50.116 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1076554

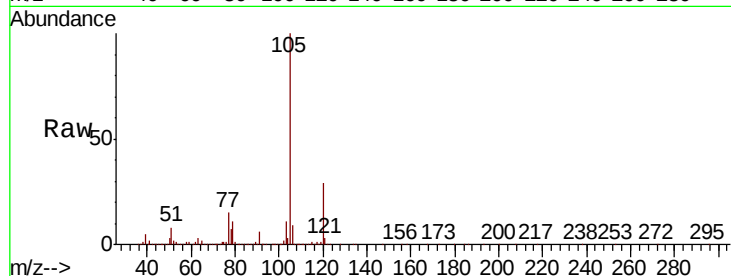
Ion Ratio Lower Upper

105 100

120 28.0 13.6 40.7

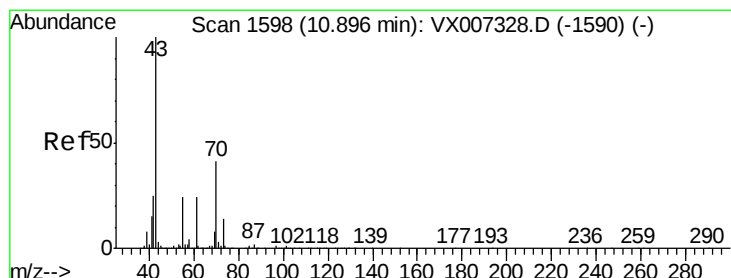
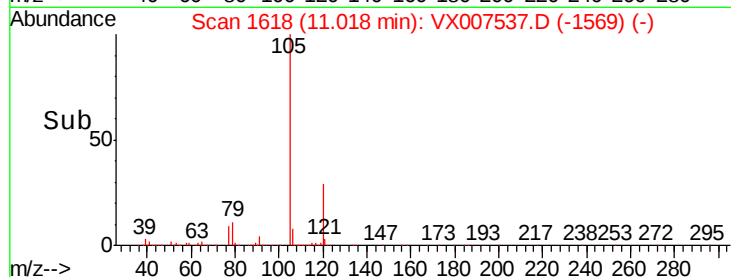
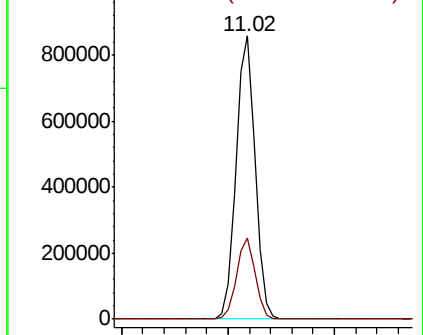
Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:10:05 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: 50.291 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Tgt Ion: 43 Resp: 417849

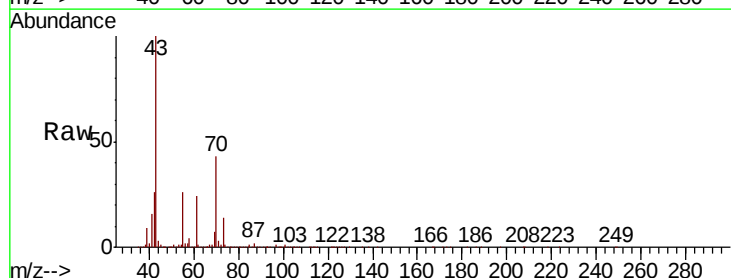
Ion Ratio Lower Upper

43 100

70 42.9 33.8 50.6

55 25.1 19.5 29.3

61 24.2 19.4 29.2

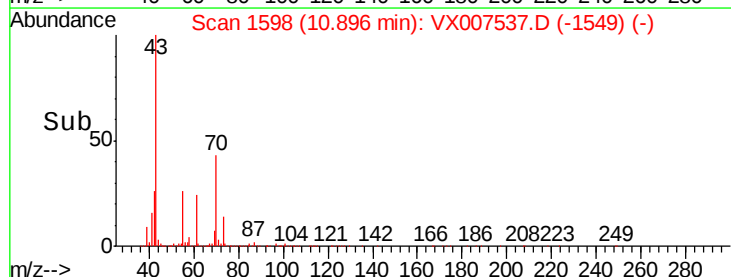
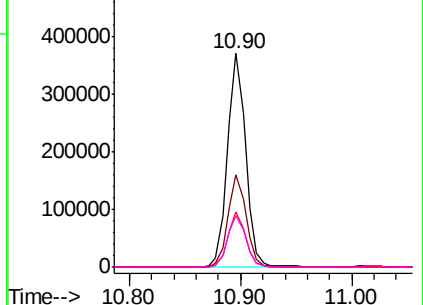


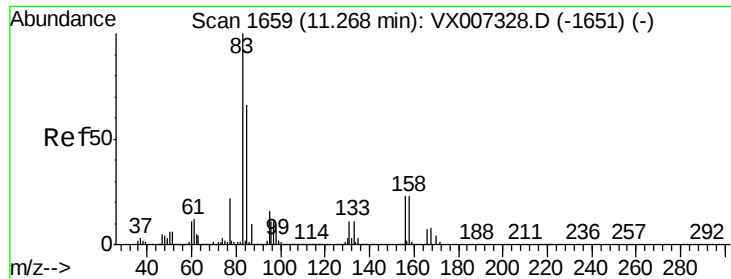
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 51.143 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Instrument :

MSVOA_X

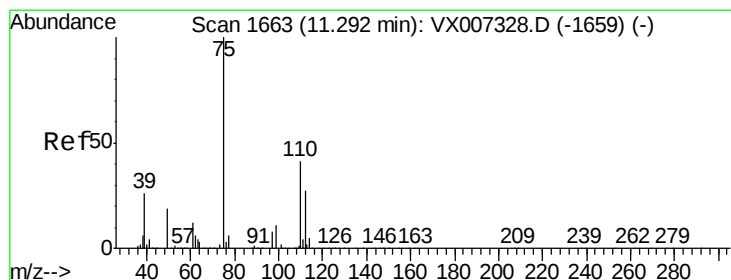
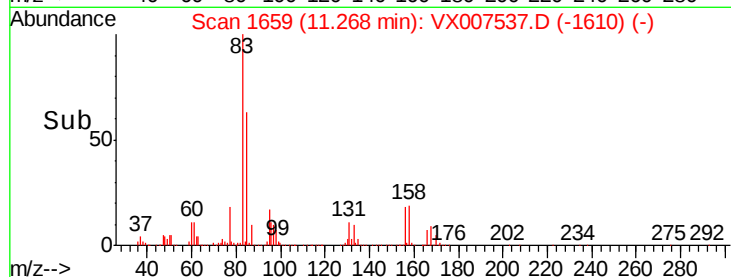
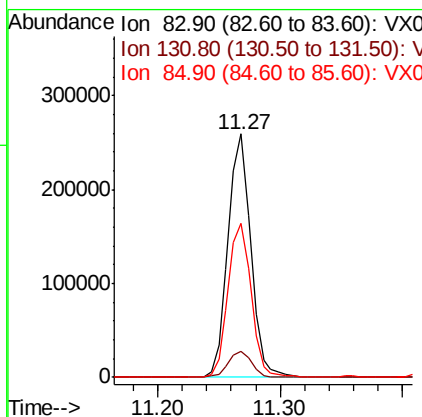
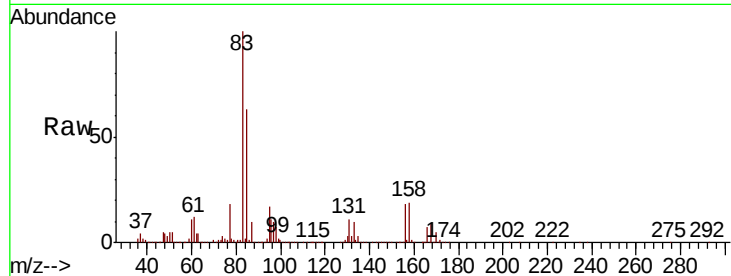
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	334814
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.7	17.0
85	64.4	32.8	98.3

Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:10:05 AM



#76

1,2,3-Trichloropropane

Concen: 46.383 ug/l m

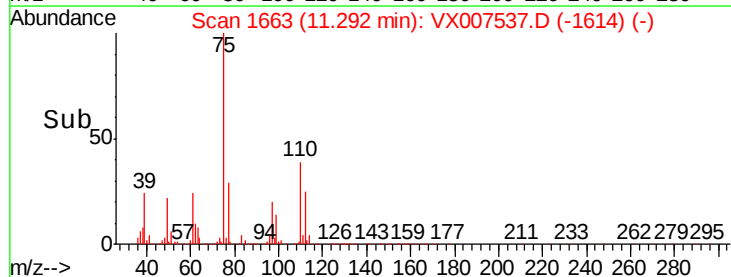
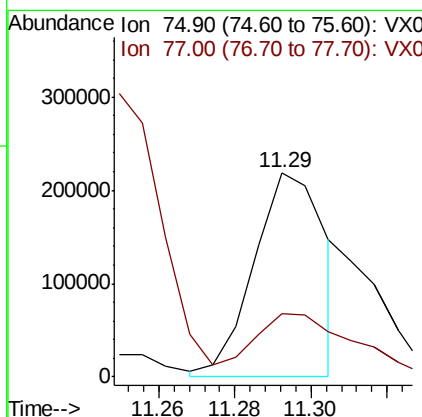
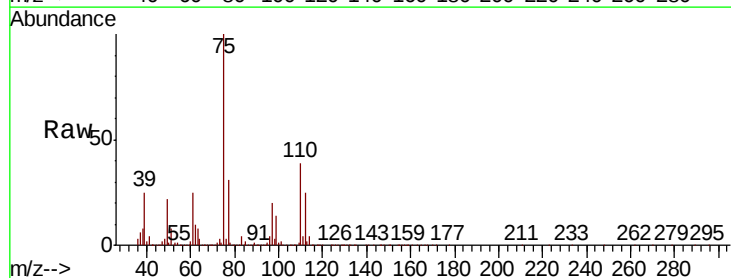
RT: 11.29 min Scan# 1663

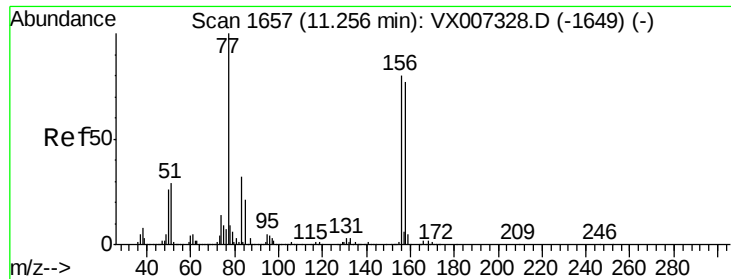
Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Tgt Ion:	75	Resp:	285197
Ion Ratio	Lower	Upper	
75	100		
77	43.7	23.0	69.0





#77

Bromobenzene

Concen: 47.477 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Instrument :

MSVOA_X

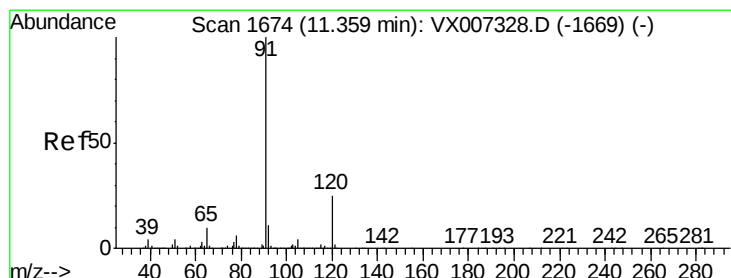
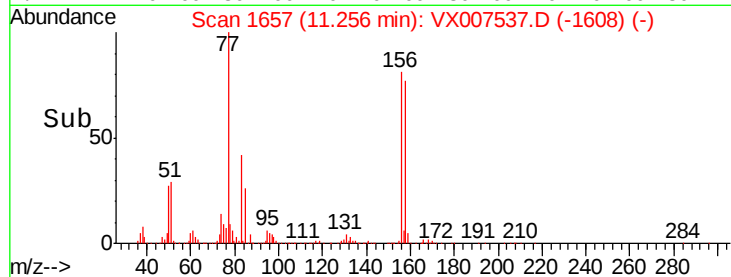
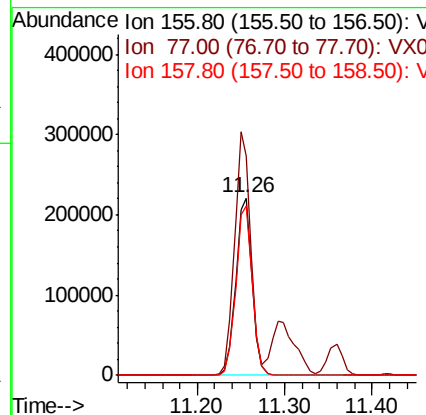
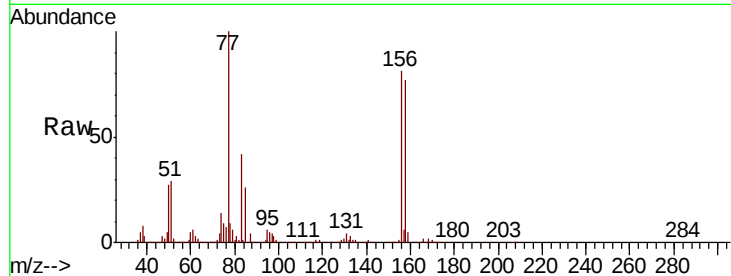
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	287355
Ion Ratio	Lower	Upper	
156	100		
77	135.2	66.8	200.6
158	96.4	47.9	143.8

Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:10:05 AM



#78

n-propylbenzene

Concen: 51.766 ug/l

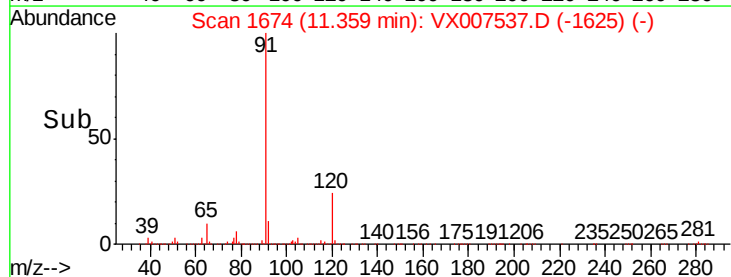
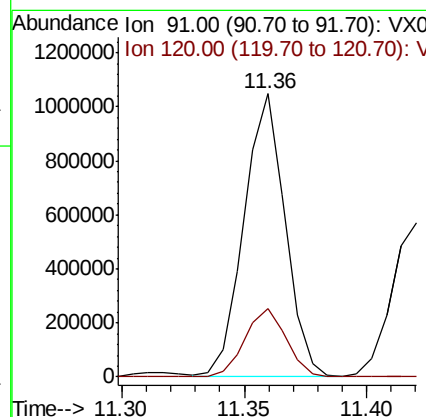
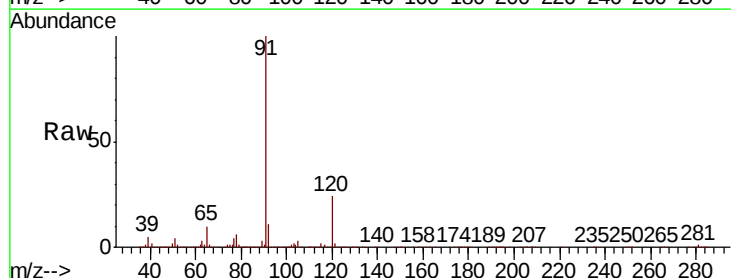
RT: 11.36 min Scan# 1674

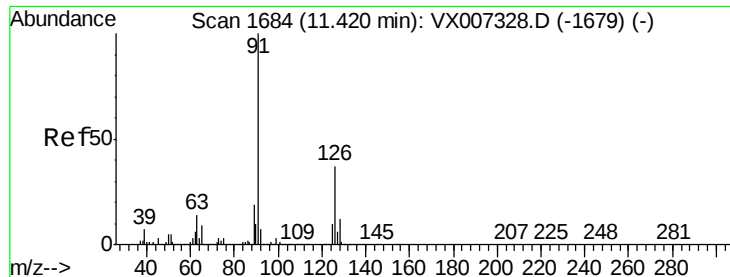
Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Tgt Ion:	91	Resp:	1219384
Ion Ratio	Lower	Upper	
91	100		
120	24.4	12.4	37.2





#79

2-Chlorotoluene

Concen: 48.997 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 700310

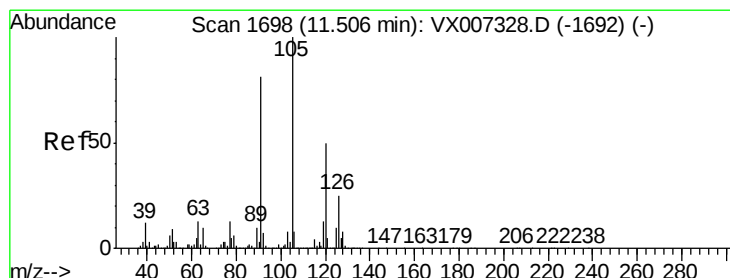
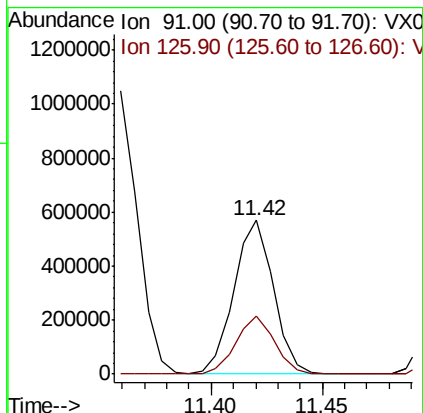
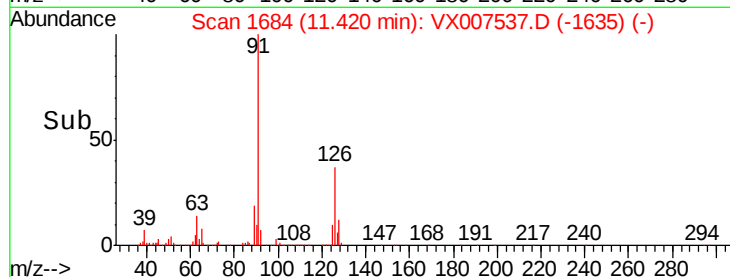
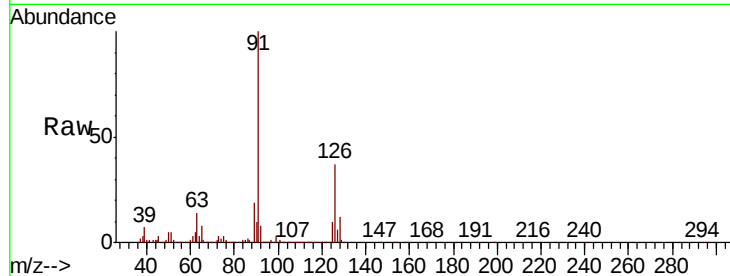
Ion Ratio Lower Upper

91 100

126 37.2 18.7 56.1

Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:10:05 AM



#80

1,3,5-Trimethylbenzene

Concen: 50.226 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007537.D

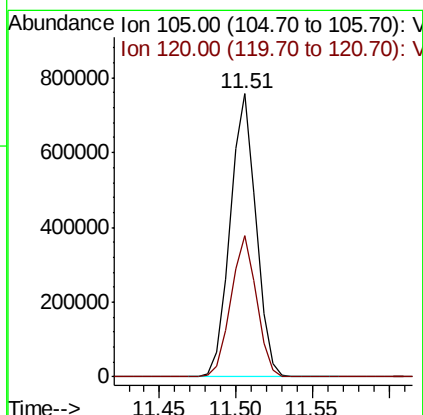
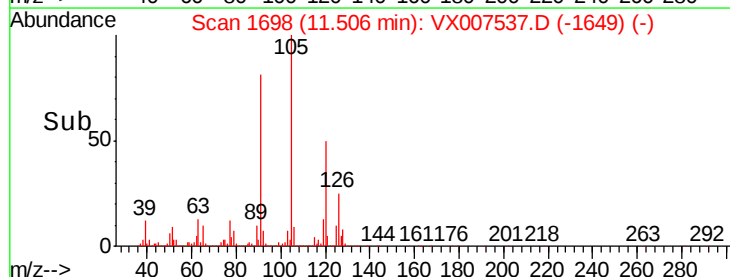
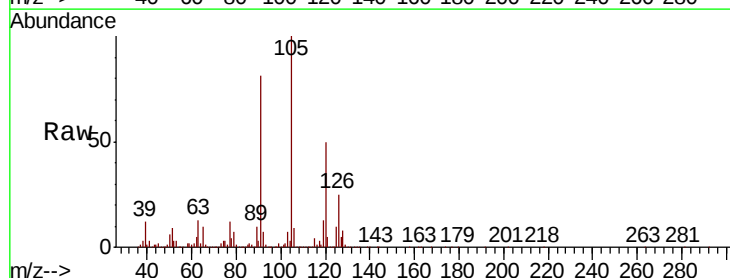
Acq: 14 Feb 2019 11:07

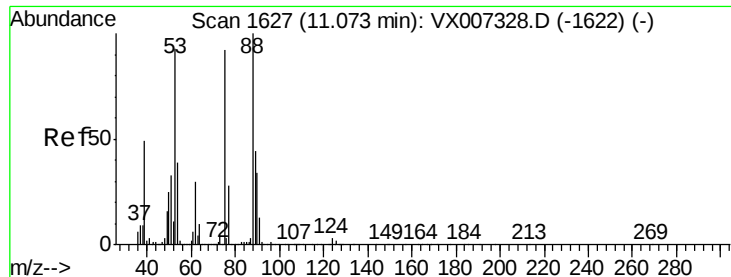
Tgt Ion: 105 Resp: 882686

Ion Ratio Lower Upper

105 100

120 49.7 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 48.735 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Instrument :

MSVOA_X

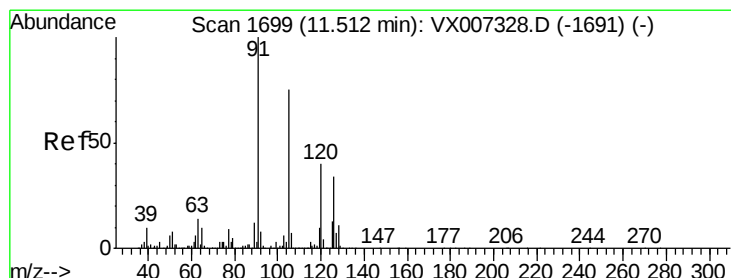
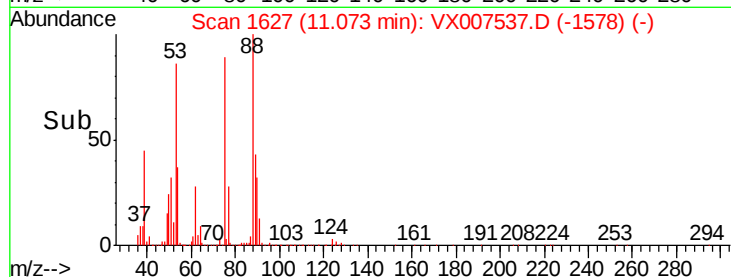
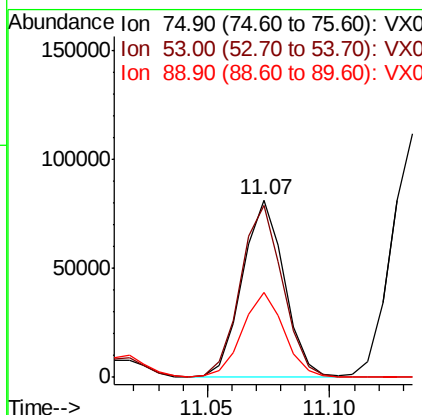
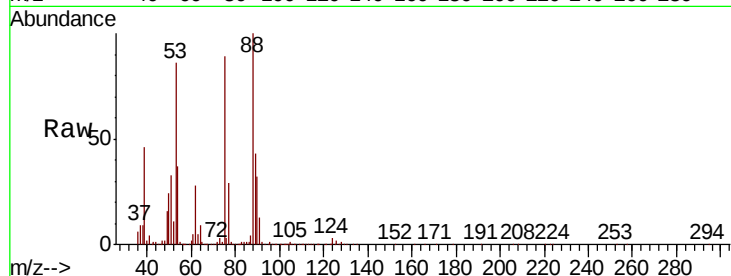
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	96716
Ion	Ratio	Lower	Upper
75	100		
53	97.2	81.0	121.6
89	47.3	41.4	62.0

Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:10:05 AM



#82

4-Chlorotoluene

Concen: 49.130 ug/l

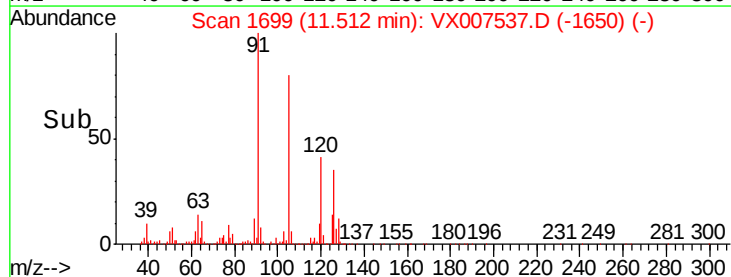
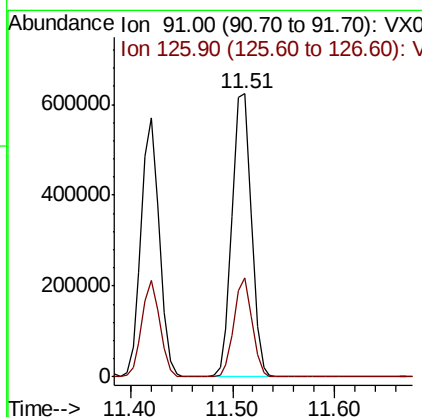
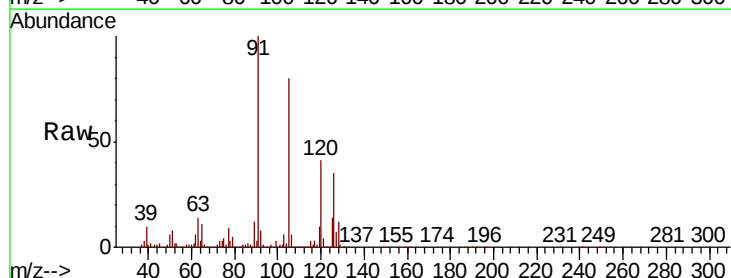
RT: 11.51 min Scan# 1699

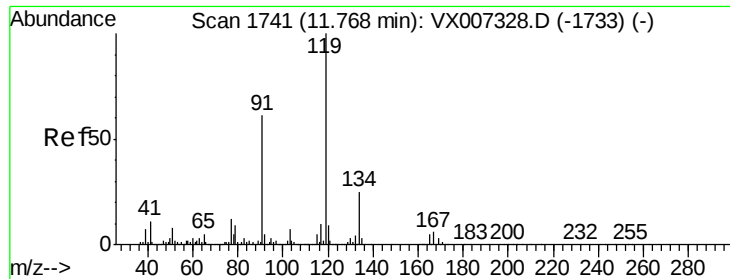
Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Tgt Ion:	91	Resp:	812530
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.2	48.5





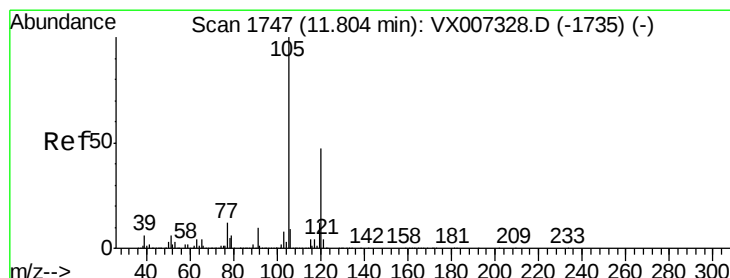
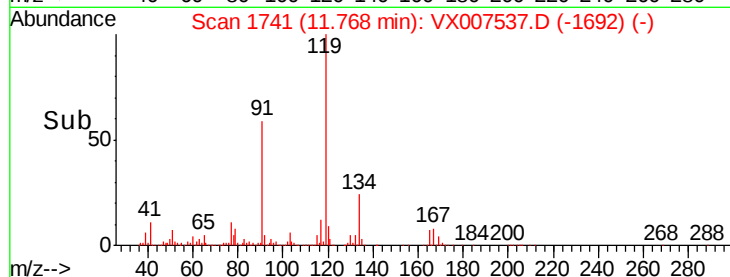
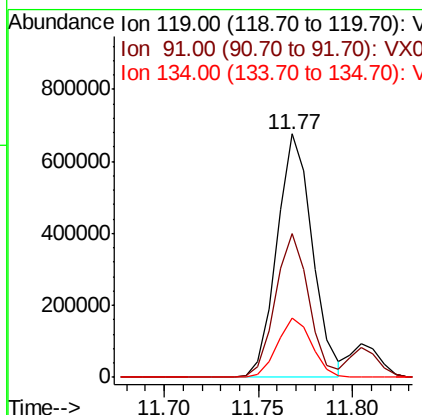
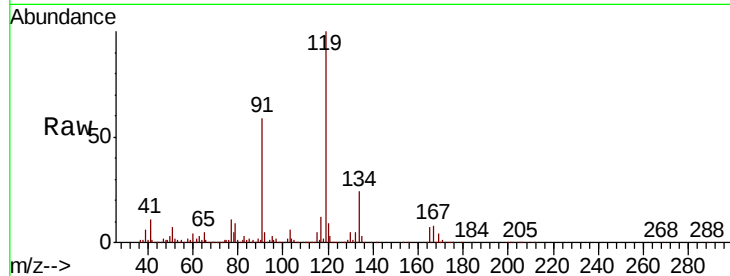
#83
tert-Butylbenzene
Concen: 50.494 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	878571		
91	56.2	28.5	85.6	
134	23.9	12.0	36.0	

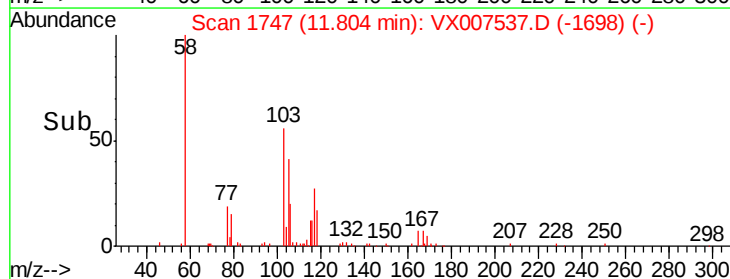
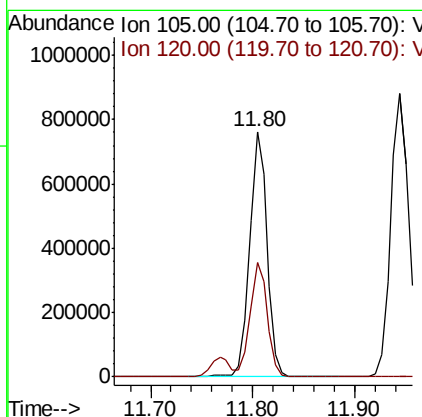
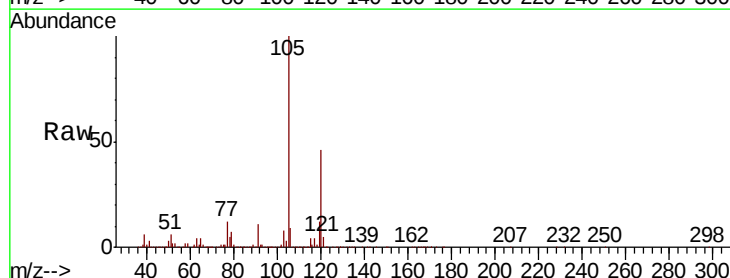
Manual Integrations
APPROVED

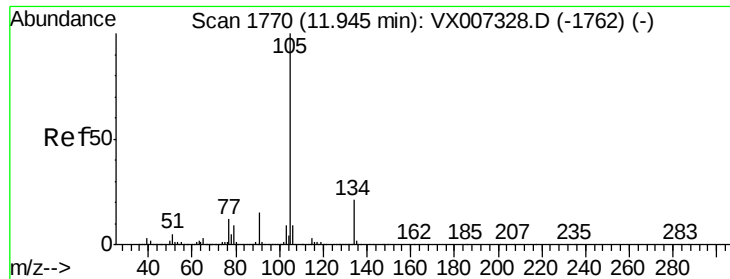
MMDadoda
2/15/2019 10:10:05 AM



#84
1,2,4-Trimethylbenzene
Concen: 50.861 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	907456		
120	45.6	23.1	69.3	





#85

sec-Butylbenzene

Concen: 51.596 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1086560

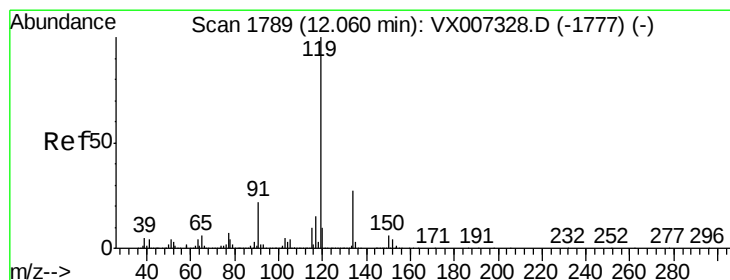
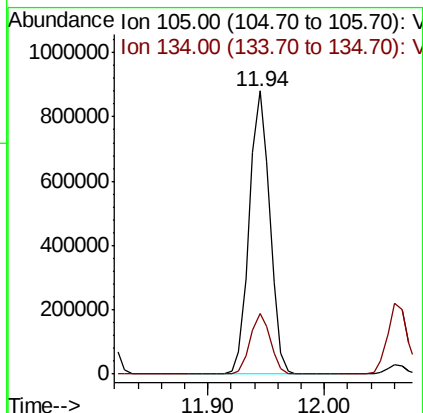
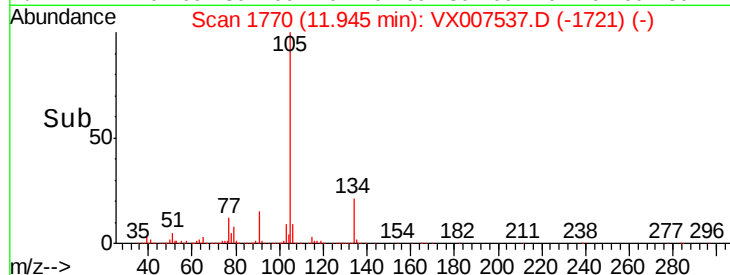
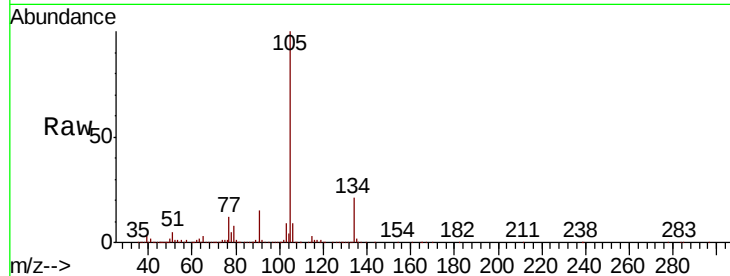
Ion Ratio Lower Upper

105 100

134 21.2 10.6 31.8

Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:10:05 AM



#86

p-Isopropyltoluene

Concen: 50.842 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007537.D

Acq: 14 Feb 2019 11:07

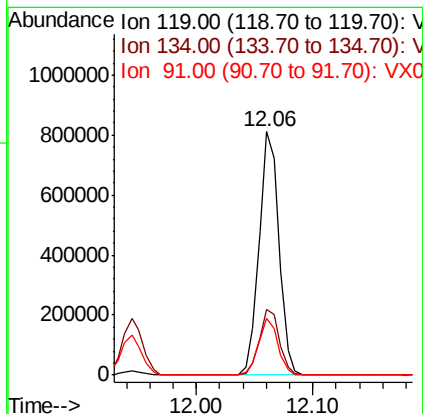
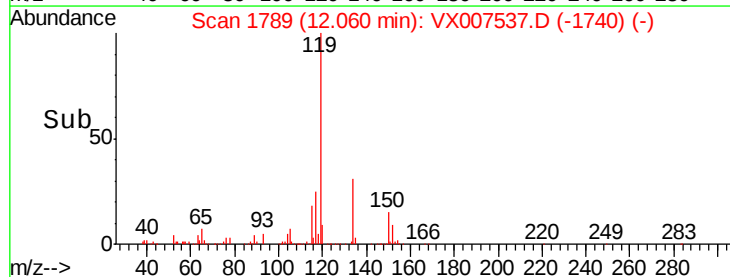
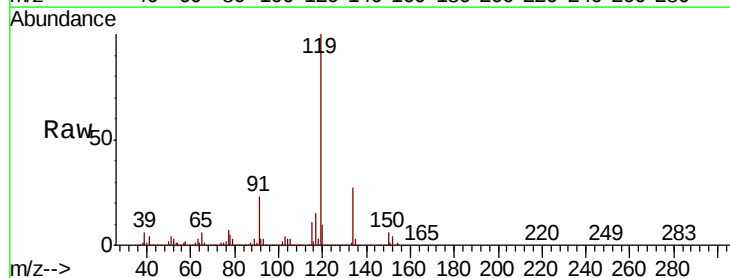
Tgt Ion:119 Resp: 966495

Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.1

91 22.7 11.2 33.5





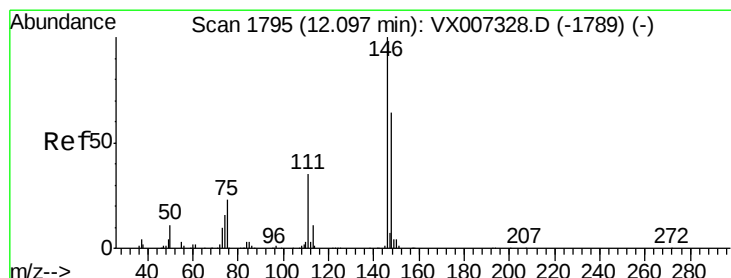
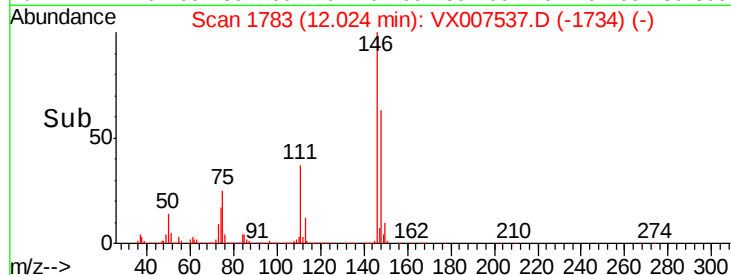
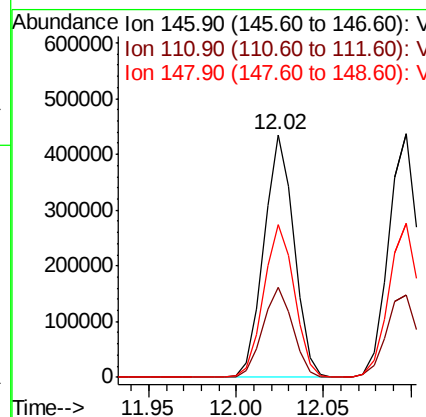
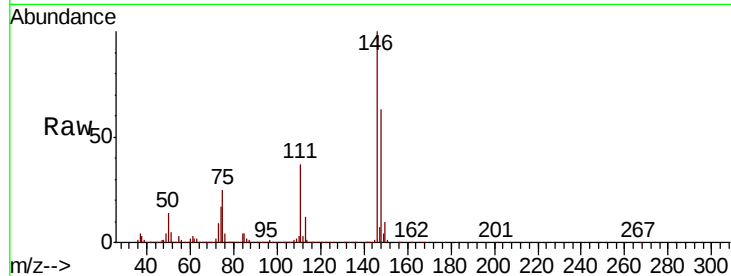
#87
 1,3-Dichlorobenzene
 Concen: 47.975 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007537.D
 Acq: 14 Feb 2019 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.1	54.1
148	64.2	32.0	96.2

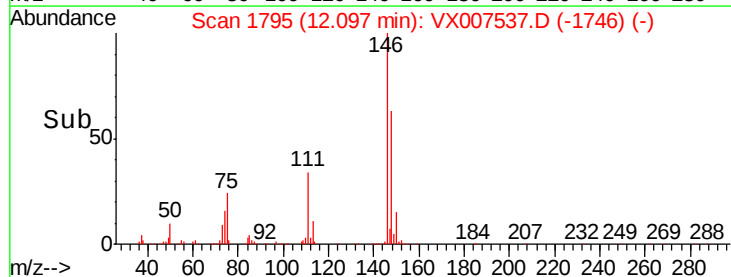
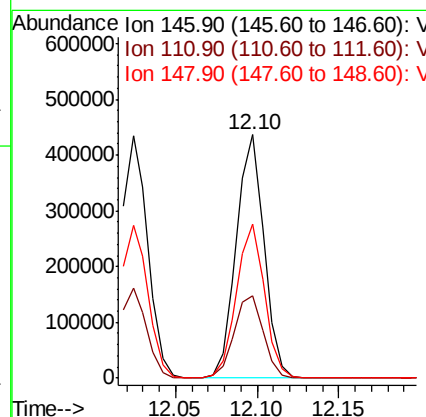
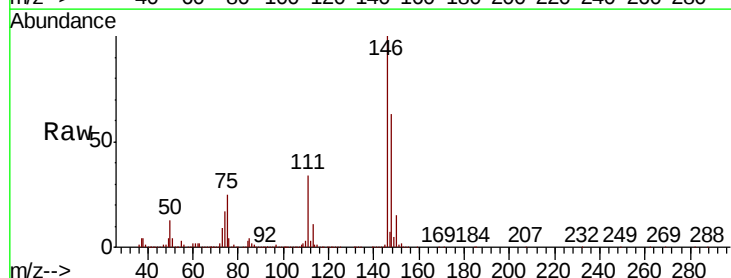
Manual Integrations
 APPROVED

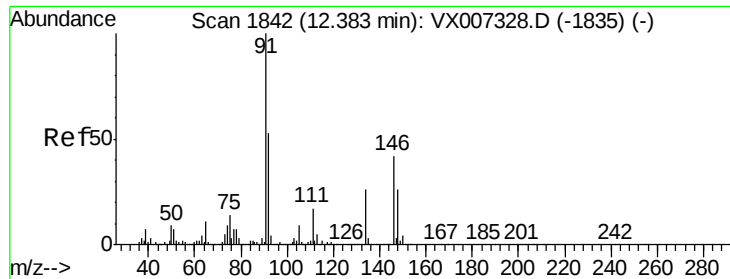
MMDadoda
 2/15/2019 10:10:05 AM



#88
 1,4-Dichlorobenzene
 Concen: 46.840 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007537.D
 Acq: 14 Feb 2019 11:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.1	54.1
148	64.0	32.3	96.9





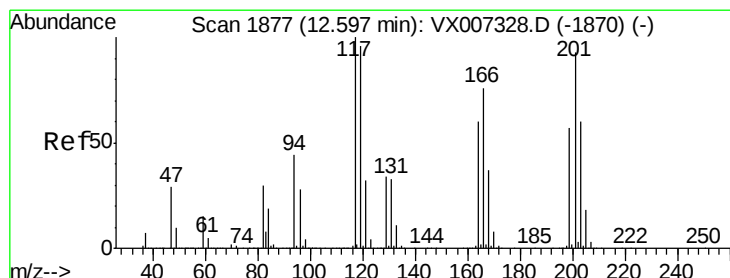
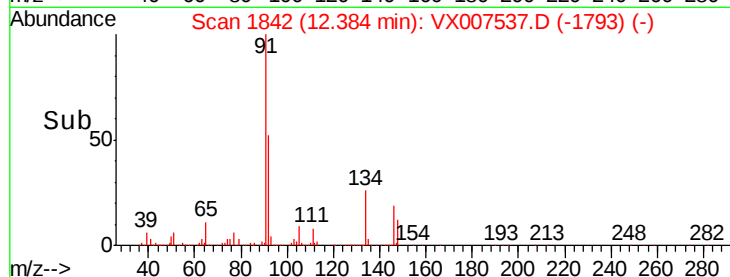
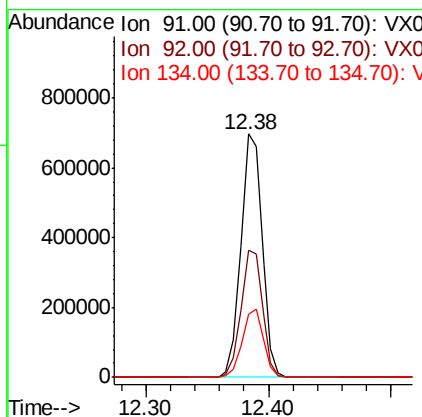
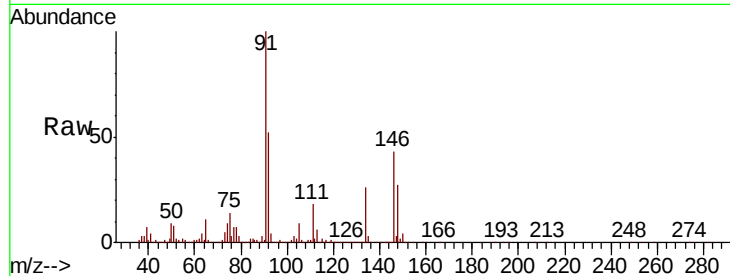
#89
n-Butylbenzene
Concen: 51.067 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.3	78.9
134	28.0	13.9	41.6

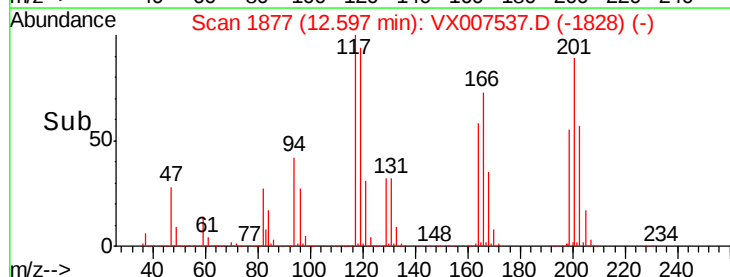
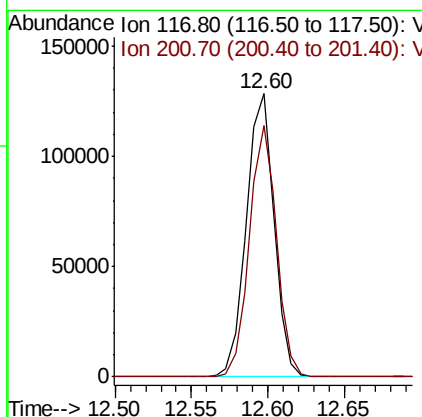
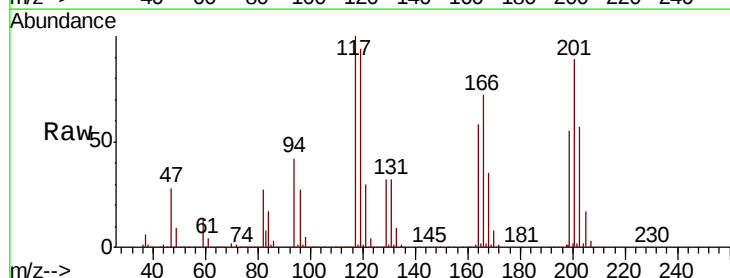
Manual Integrations
APPROVED

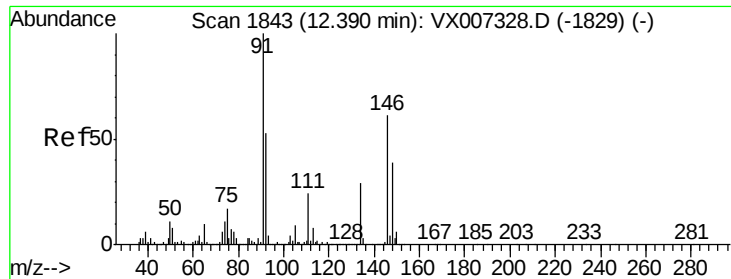
MMDadoda
2/15/2019 10:10:05 AM



#90
Hexachloroethane
Concen: 56.887 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.7	44.9	134.7





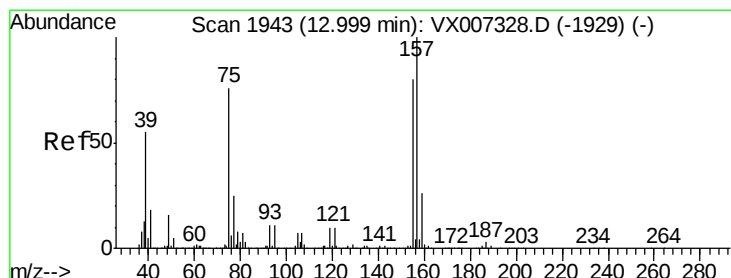
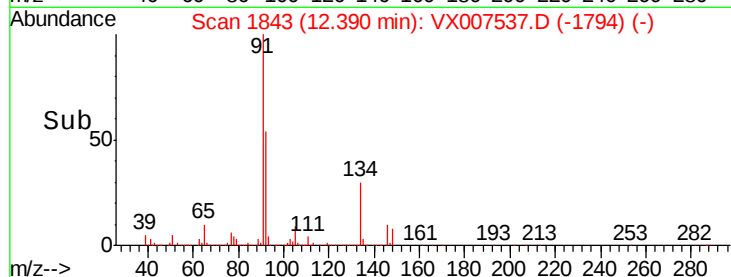
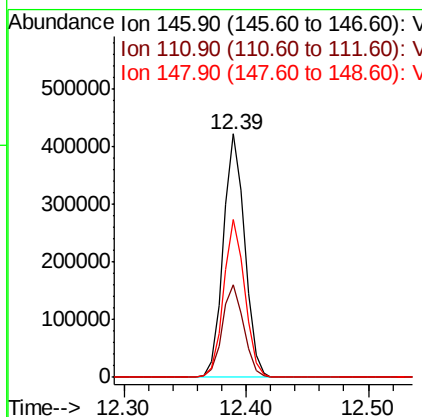
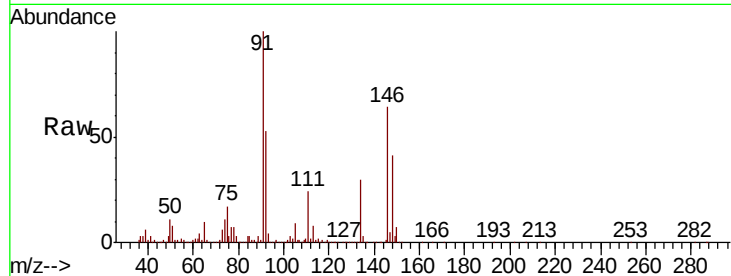
#91
 1,2-Dichlorobenzene
 Concen: 47.382 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007537.D
 Acq: 14 Feb 2019 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	512195		
111	38.0	19.1	57.3	
148	63.9	32.1	96.3	

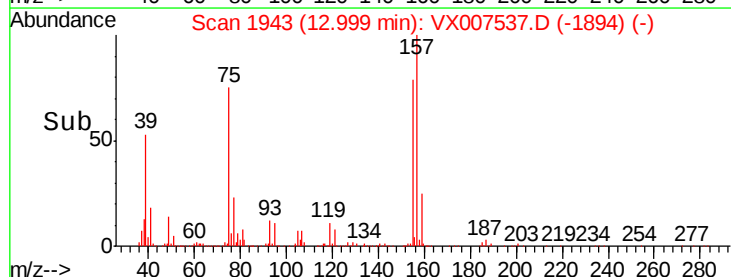
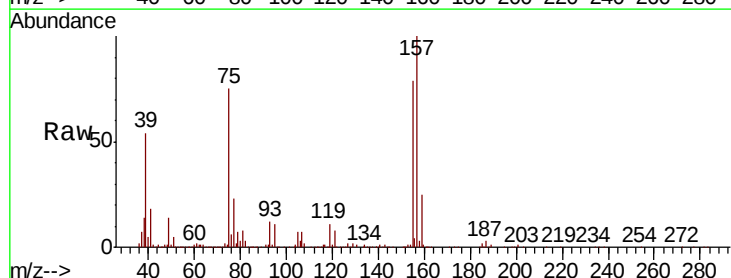
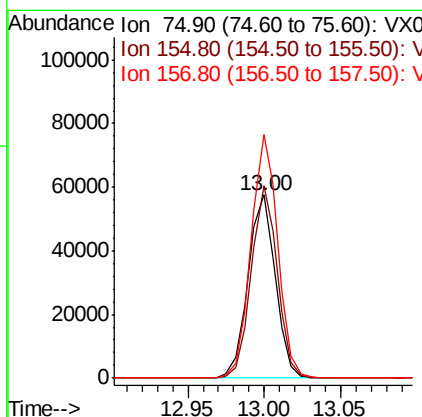
Manual Integrations
 APPROVED

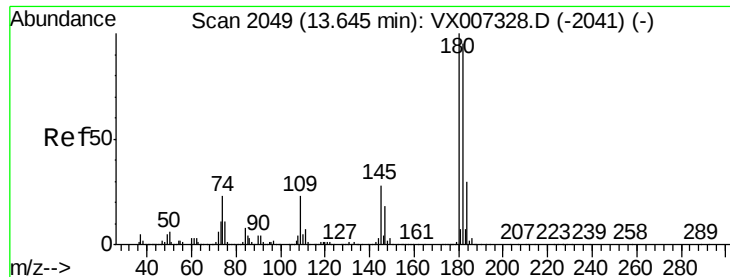
MMDadoda
 2/15/2019 10:10:05 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.296 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007537.D
 Acq: 14 Feb 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	71188		
155	100.4	49.6	149.0	
157	130.3	65.1	195.3	





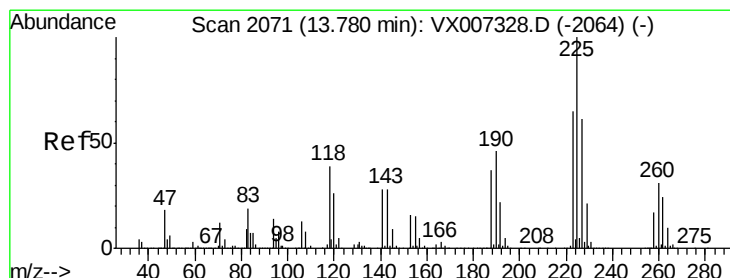
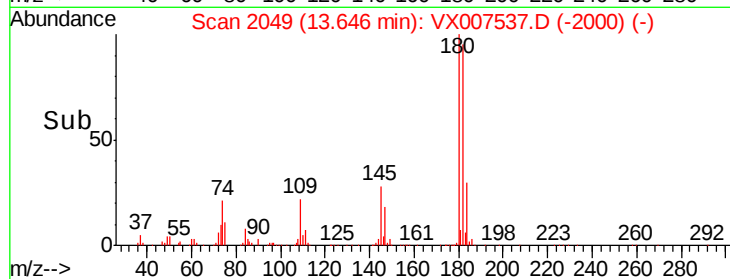
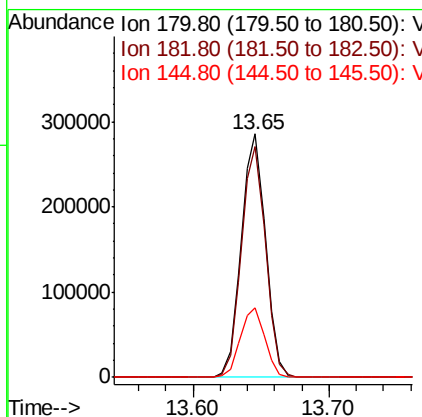
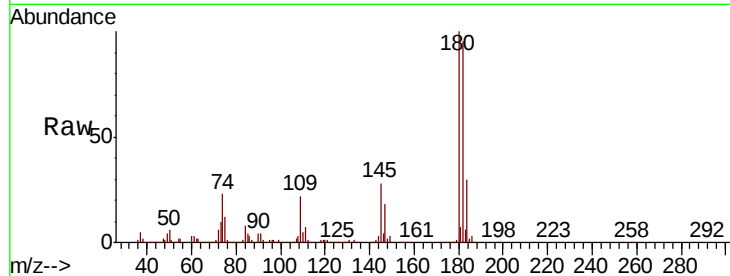
#93
 1,2,4-Trichlorobenzene
 Concen: 48.717 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007537.D
 Acq: 14 Feb 2019 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	355150		
182	94.5	47.8	143.3	
145	29.0	14.1	42.2	

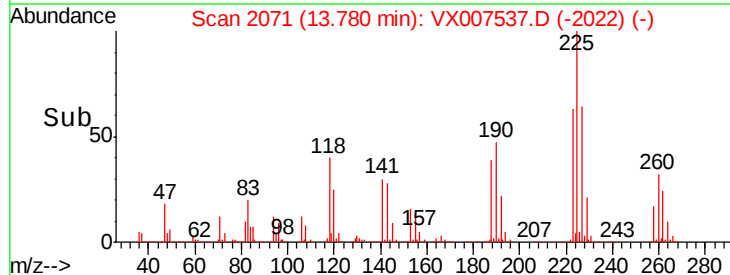
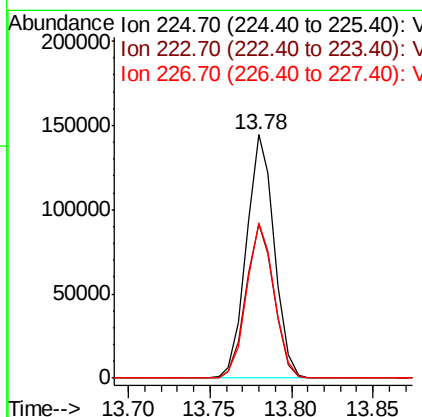
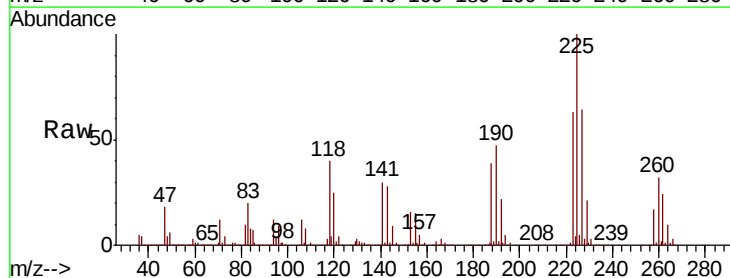
Manual Integrations
 APPROVED

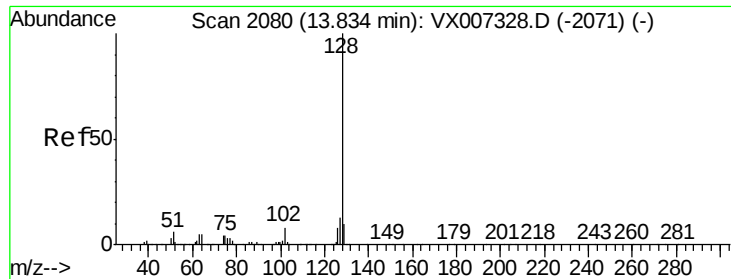
MMDadoda
 2/15/2019 10:10:05 AM



#94
 Hexachlorobutadiene
 Concen: 48.609 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007537.D
 Acq: 14 Feb 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	172068		
223	63.3	31.6	94.8	
227	63.1	32.1	96.3	





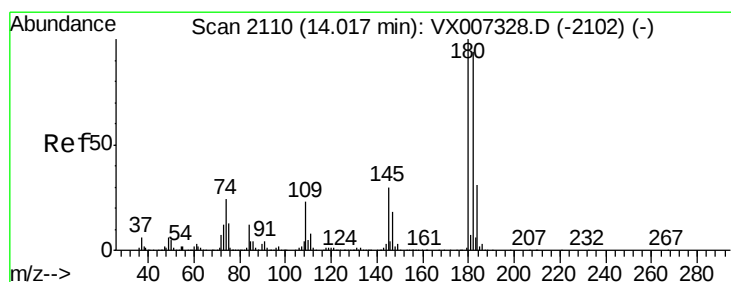
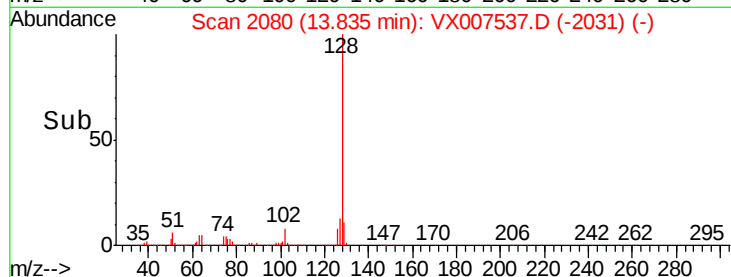
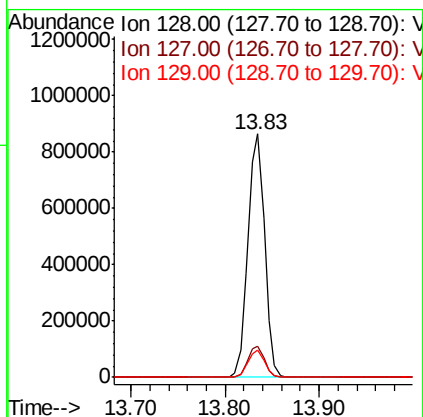
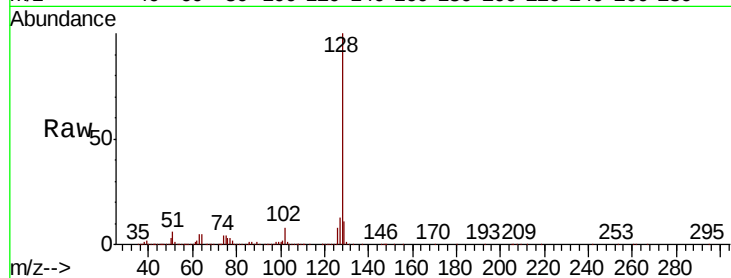
#95
Naphthalene
Concen: 50.435 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:10:05 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.249 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX007537.D
Acq: 14 Feb 2019 11:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.5	142.6
145	30.1	14.9	44.5

