

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\
 Data File : VX010091.D
 Acq On : 05 Jun 2019 20:45
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 9:32:42 AM

Quant Time: Jun 06 07:31:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	153181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	239377	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	224631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110996	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	100812	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
35) Dibromofluoromethane	5.50	113	74563	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
50) Toluene-d8	8.71	98	299615	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
62) 4-Bromofluorobenzene	11.13	95	111622	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	99404	53.105	ug/l	98
3) Chloromethane	1.32	50	113792	45.220	ug/l	98
4) Vinyl Chloride	1.41	62	105866	46.668	ug/l	100
5) Bromomethane	1.64	94	75224	54.731	ug/l	98
6) Chloroethane	1.71	64	63141	45.215	ug/l	99
7) Trichlorofluoromethane	1.92	101	121425	48.438	ug/l	99
8) Diethyl Ether	2.19	74	53028	45.015	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	72712	48.044	ug/l	98
10) Methyl Iodide	2.51	142	93088	49.702	ug/l	99
11) Tert butyl alcohol	3.06	59	123359	231.654	ug/l	99
12) 1,1-Dichloroethene	2.37	96	74836	48.240	ug/l	98
13) Acrolein	2.29	56	91873	243.954	ug/l	100
14) Allyl chloride	2.73	41	179711	47.663	ug/l	99
15) Acrylonitrile	3.14	53	302113	235.460	ug/l	100
16) Acetone	2.45	43	277424	221.903	ug/l	100
17) Carbon Disulfide	2.57	76	227320	48.405	ug/l	100
18) Methyl Acetate	2.78	43	134676	46.296	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	287363	49.065	ug/l	99
20) Methylene Chloride	2.85	84	90724	47.387	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	81307	47.104	ug/l	97
22) Diisopropyl ether	3.85	45	345442	48.152	ug/l	95
23) Vinyl Acetate	3.81	43	1548843	240.325	ug/l	99
24) 1,1-Dichloroethane	3.70	63	167719	48.241	ug/l	99
25) 2-Butanone	4.68	43	457896	235.084	ug/l	99
26) 2,2-Dichloropropane	4.58	77	115389	43.875	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	95611	47.986	ug/l	95
28) Bromochloromethane	5.01	49	78593	43.562	ug/l	97
29) Tetrahydrofuran	5.13	42	297164	237.913	ug/l	99
30) Chloroform	5.21	83	153376	48.917	ug/l	97
31) Cyclohexane	5.58	56	164117	49.840	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	129927	50.882	ug/l	100
36) 1,1-Dichloropropene	5.80	75	119853	49.347	ug/l	100
37) Ethyl Acetate	4.83	43	171477	50.670	ug/l	100
38) Carbon Tetrachloride	5.79	117	109588	52.215	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\
 Data File : VX010091.D
 Acq On : 05 Jun 2019 20:45
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 9:32:42 AM

Quant Time: Jun 06 07:31:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	147394	51.162	ug/l	99
40) Benzene	6.14	78	365658	50.752	ug/l	99
41) Methacrylonitrile	5.04	41	96446	48.772	ug/l	98
42) 1,2-Dichloroethane	6.19	62	132132	49.607	ug/l	99
43) Isopropyl Acetate	6.45	43	269931	49.433	ug/l	99
44) Trichloroethene	7.21	130	89109	50.918	ug/l	95
45) 1,2-Dichloropropane	7.51	63	103584	49.944	ug/l	95
46) Dibromomethane	7.66	93	59539	48.770	ug/l	97
47) Bromodichloromethane	7.90	83	121180	52.198	ug/l	99
48) Methyl methacrylate	7.77	41	137269	50.781	ug/l	98
49) 1,4-Dioxane	7.74	88	50032	995.048	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	901332	253.744	ug/l	99
52) Toluene	8.79	92	225995	51.662	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	140353	50.410	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	154110	50.802	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	89887	51.053	ug/l	98
56) Ethyl methacrylate	9.18	69	168458	53.742	ug/l	99
57) 1,3-Dichloropropane	9.37	76	159439	50.424	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	401703	244.393	ug/l	99
59) 2-Hexanone	9.49	43	691599	252.889	ug/l	99
60) Dibromochloromethane	9.58	129	92226	53.249	ug/l	99
61) 1,2-Dibromoethane	9.67	107	93357	51.612	ug/l	99
64) Tetrachloroethene	9.34	164	82662	52.683	ug/l	99
65) Chlorobenzene	10.13	112	236745	50.343	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	85199	52.235	ug/l	99
67) Ethyl Benzene	10.25	91	439158	52.010	ug/l	99
68) m/p-Xylenes	10.36	106	320083	102.610	ug/l	99
69) o-Xylene	10.69	106	156718	52.385	ug/l	99
70) Styrene	10.71	104	276181	52.647	ug/l	100
71) Bromoform	10.85	173	73642	55.234	ug/l #	96
73) Isopropylbenzene	11.02	105	416221	50.823	ug/l	99
74) N-amyl acetate	10.90	43	243743	49.808	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	149134	48.812	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	131137m	49.406	ug/l	
77) Bromobenzene	11.26	156	105343	50.474	ug/l	96
78) n-propylbenzene	11.36	91	484409	51.316	ug/l	100
79) 2-Chlorotoluene	11.42	91	286451	49.667	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	354377	51.364	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	52065	48.532	ug/l	99
82) 4-Chlorotoluene	11.51	91	333881	49.730	ug/l	98
83) tert-Butylbenzene	11.77	119	340995	51.661	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	356563	50.889	ug/l	100
85) sec-Butylbenzene	11.94	105	401291	51.103	ug/l	99
86) p-Isopropyltoluene	12.06	119	368873	52.225	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	185208	49.845	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	186357	49.179	ug/l	99
89) n-Butylbenzene	12.38	91	336772	50.734	ug/l	98
90) Hexachloroethane	12.60	117	63311	52.231	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	184777	50.439	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34153	47.490	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\
Data File : VX010091.D
Acq On : 05 Jun 2019 20:45
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:42 AM

Quant Time: Jun 06 07:31:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	132842	50.743	ug/l	100
94) Hexachlorobutadiene	13.78	225	61908	47.147	ug/l	99
95) Naphthalene	13.83	128	420844	51.658	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	133164	50.816	ug/l	99

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

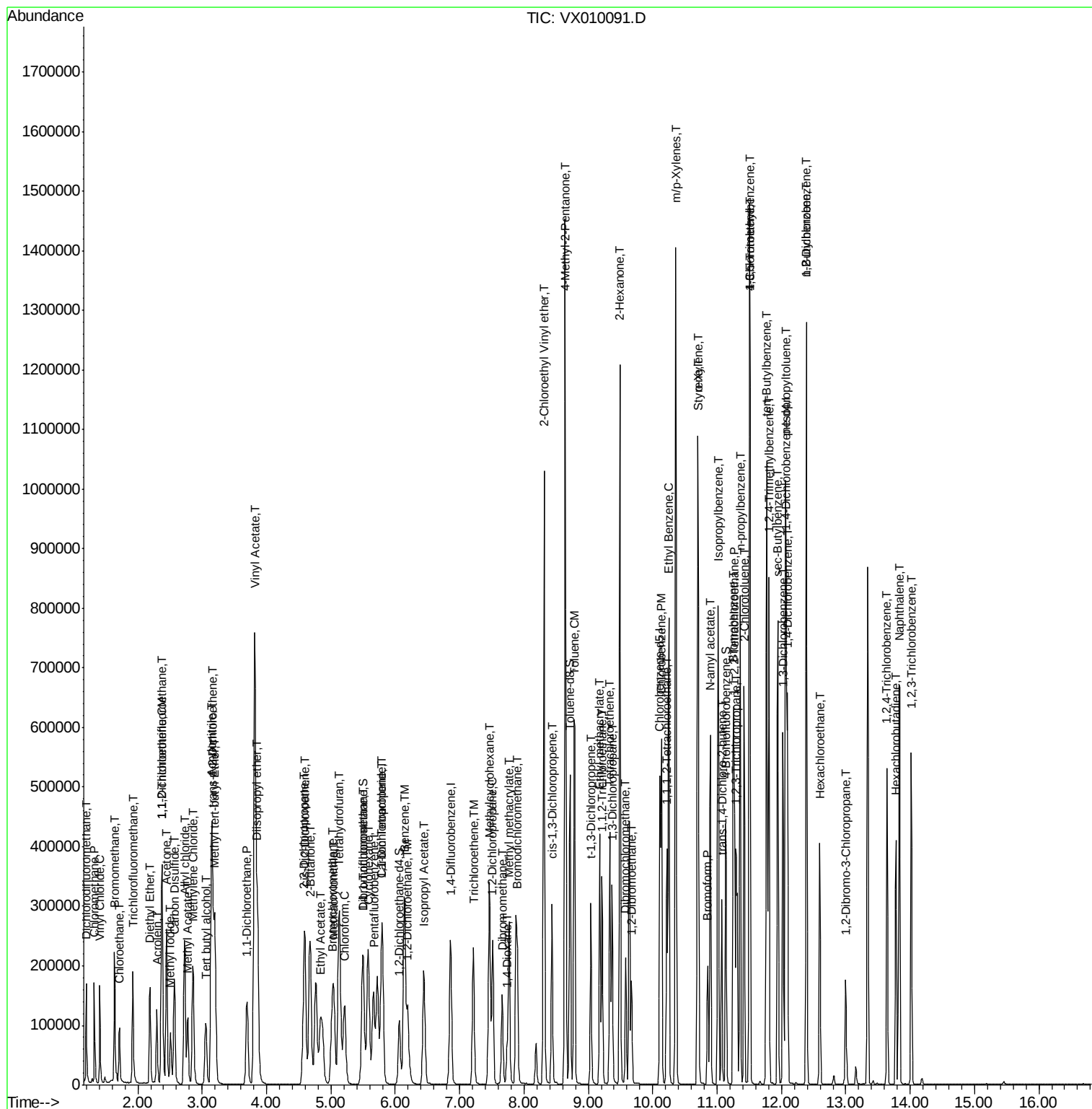
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060519\
Data File : VX010091.D
Acq On : 05 Jun 2019 20:45
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 28 Sample Multiplier: 1

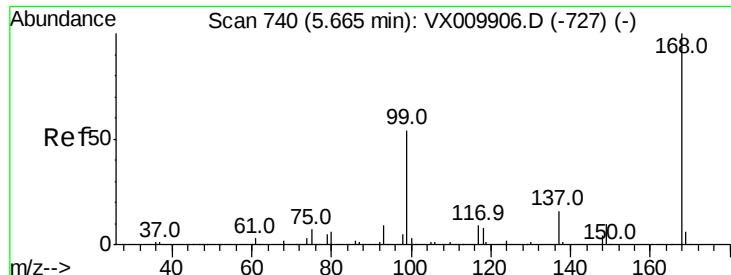
Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:42 AM

Quant Time: Jun 06 07:31:32 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration





#1

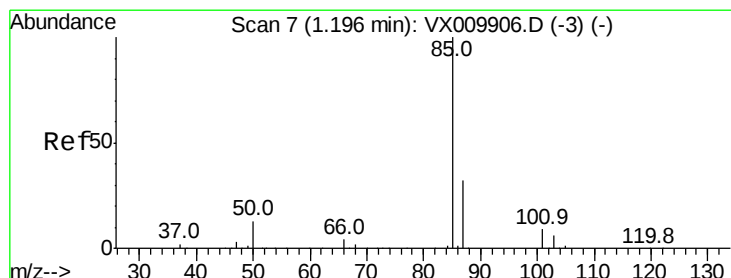
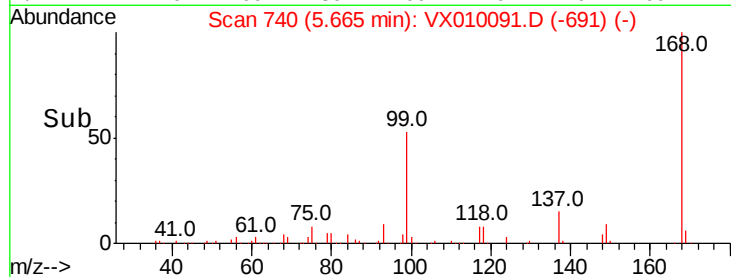
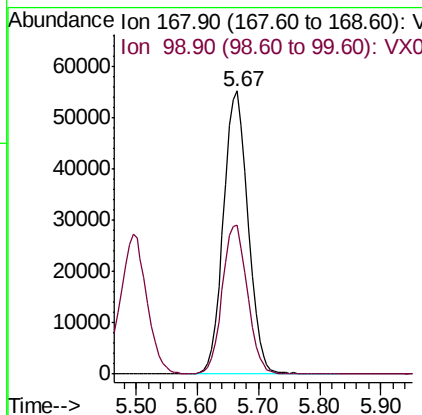
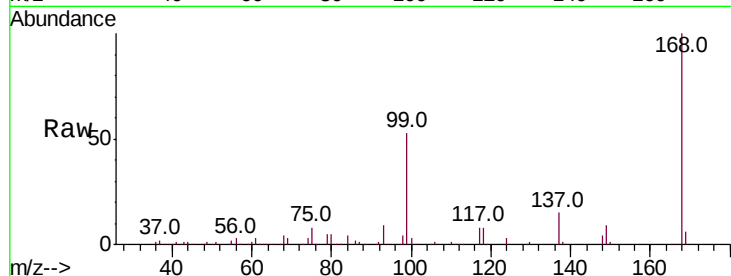
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.00 min
 Lab File: VX010091.D
 Acq: 05 Jun 2019 20:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	52.6	43.0	64.6

Manual Integrations
 APPROVED

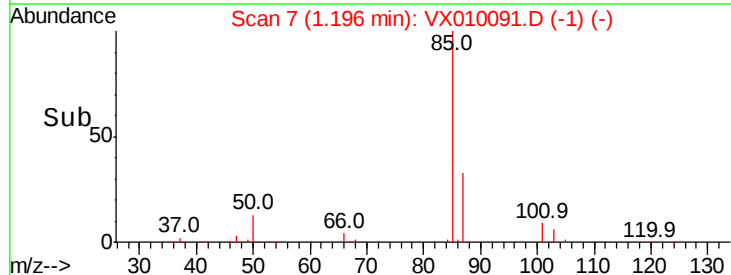
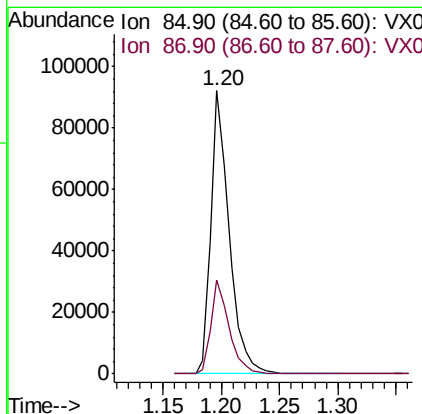
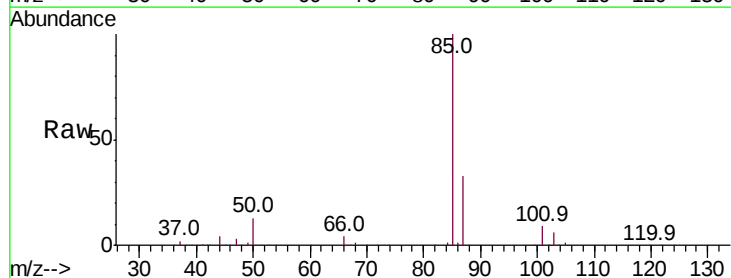
MMDadoda
 6/6/2019 9:32:42 AM

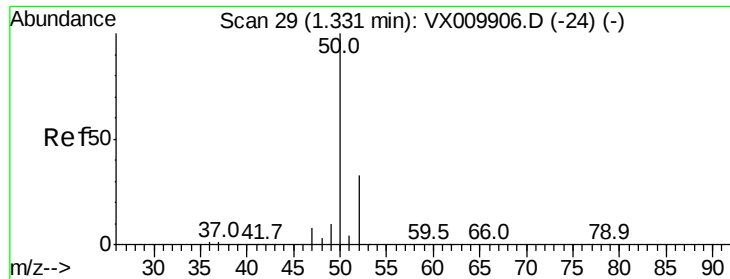


#2

Dichlorodifluoromethane
 Concen: 53.105 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. -0.00 min
 Lab File: VX010091.D
 Acq: 05 Jun 2019 20:45

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.1	48.2





#3

Chloromethane

Concen: 45.220 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 113792

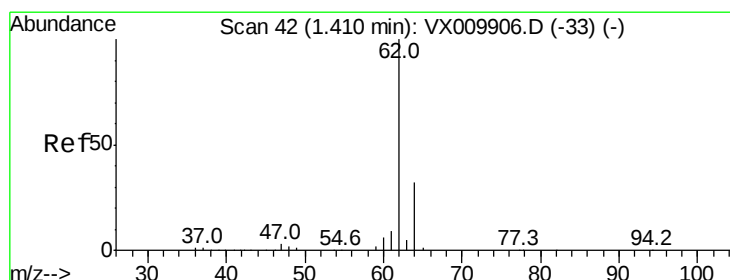
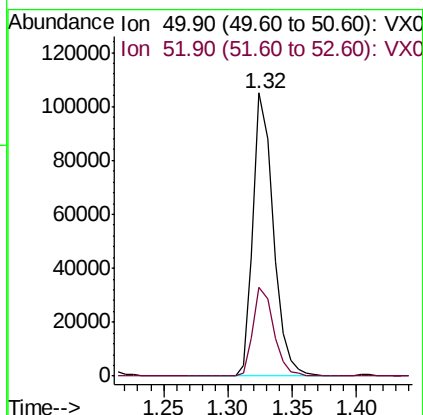
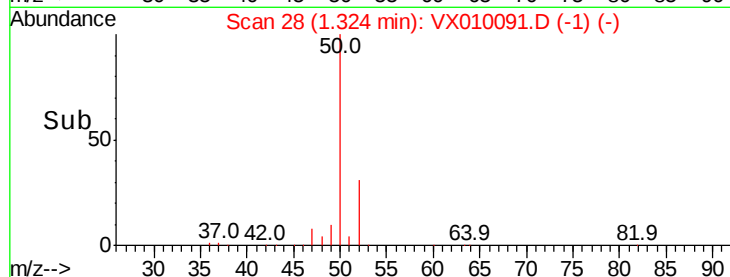
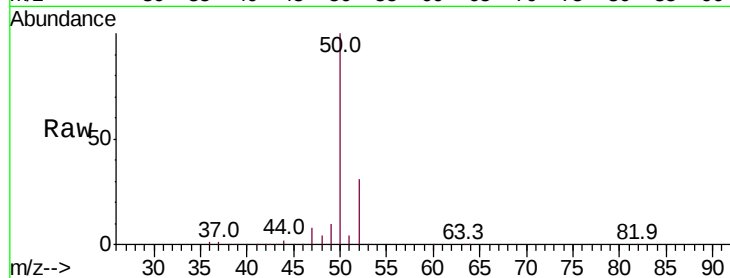
Ion Ratio Lower Upper

50 100

52 31.3 26.0 39.0

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:42 AM



#4

Vinyl Chloride

Concen: 46.668 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010091.D

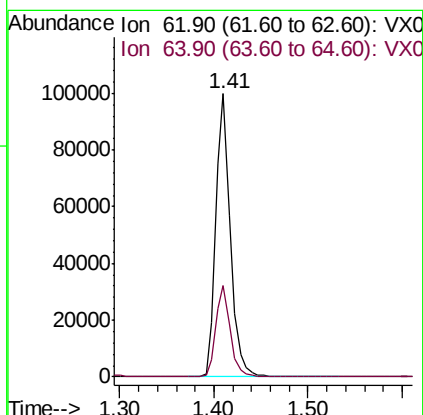
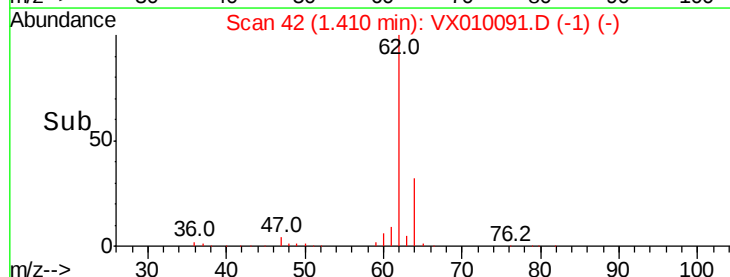
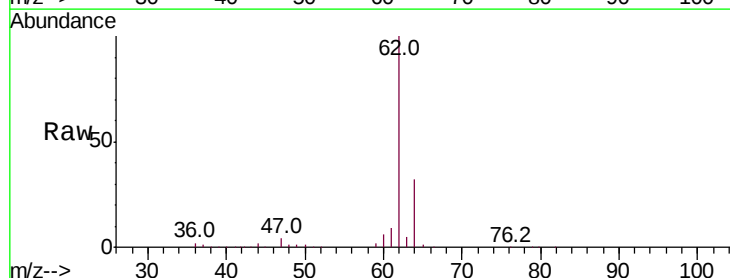
Acq: 05 Jun 2019 20:45

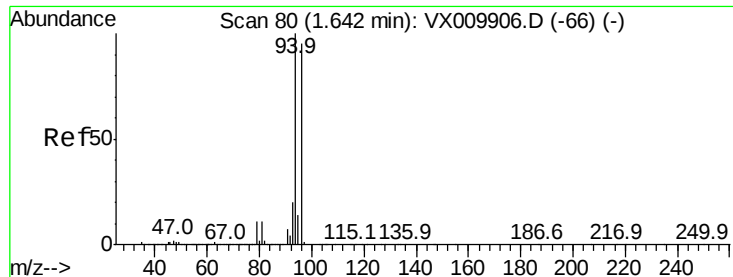
Tgt Ion: 62 Resp: 105866

Ion Ratio Lower Upper

62 100

64 32.3 25.7 38.5





#5

Bromomethane

Concen: 54.731 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 75224

Ion Ratio Lower Upper

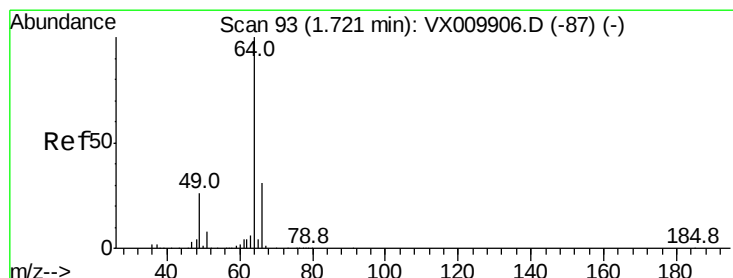
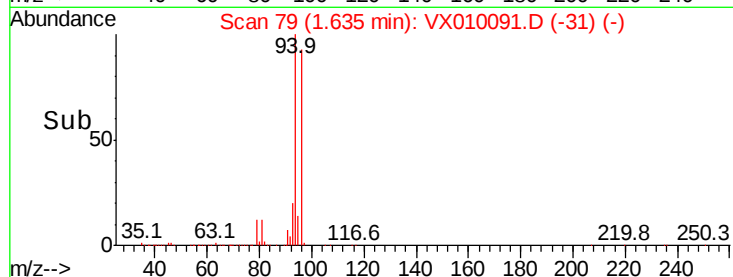
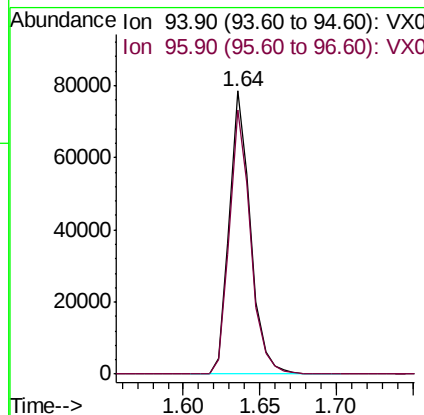
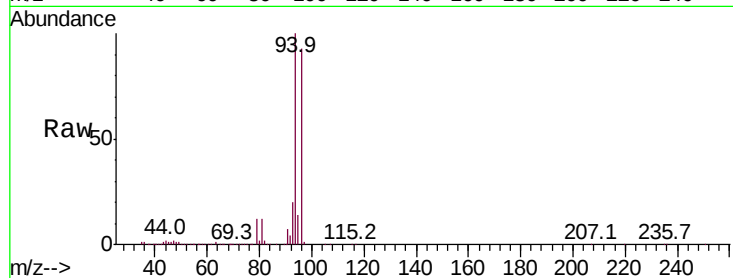
94 100

96 93.3 76.2 114.4

Manual Integrations
APPROVED

MMDadoda

6/6/2019 9:32:42 AM



#6

Chloroethane

Concen: 45.215 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX010091.D

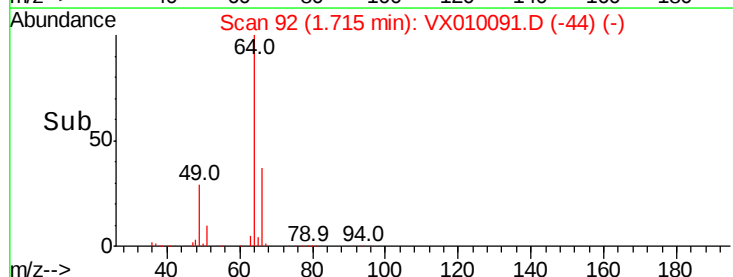
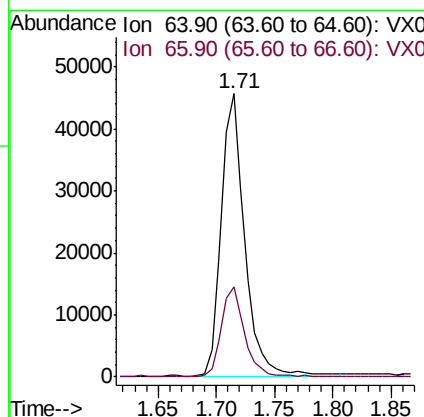
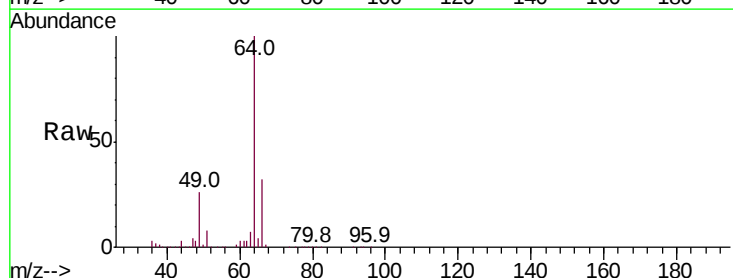
Acq: 05 Jun 2019 20:45

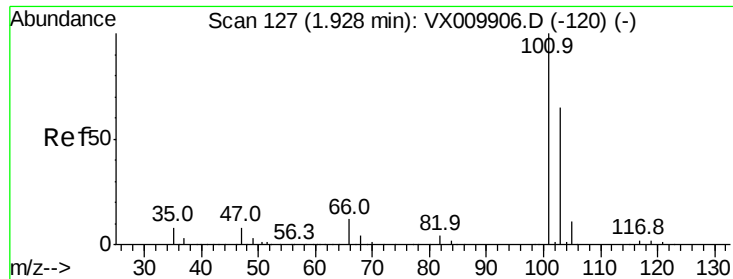
Tgt Ion: 64 Resp: 63141

Ion Ratio Lower Upper

64 100

66 31.9 25.1 37.7





#7

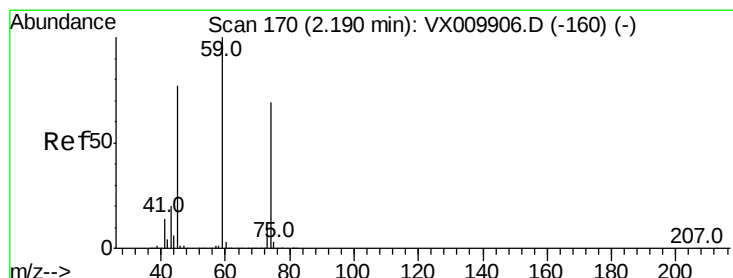
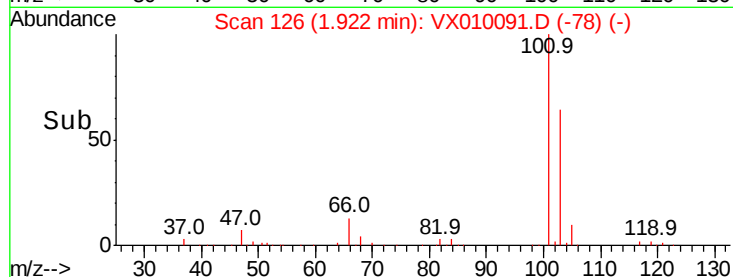
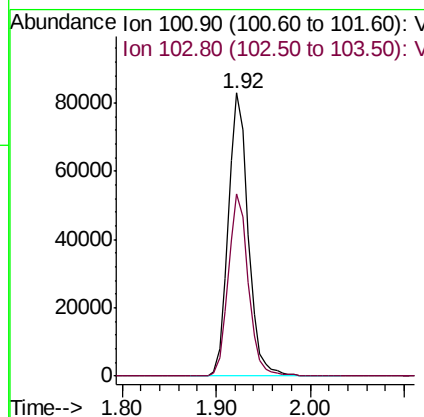
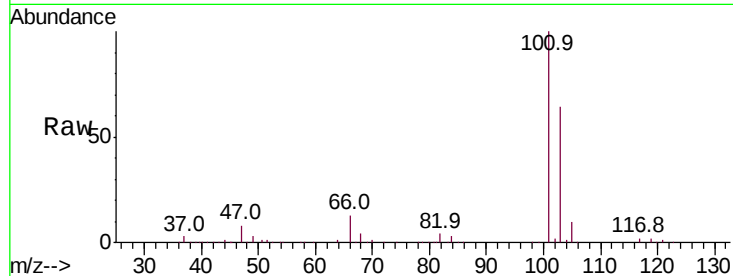
Trichlorofluoromethane
 Concen: 48.438 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX010091.D
 Acq: 05 Jun 2019 20:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 121425
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.2 78.4

Manual Integrations
 APPROVED

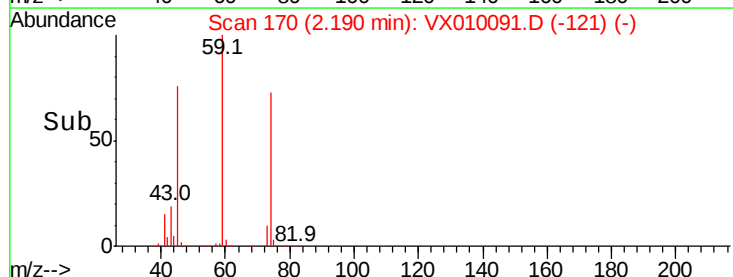
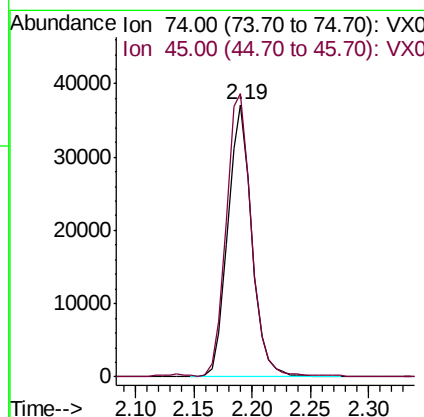
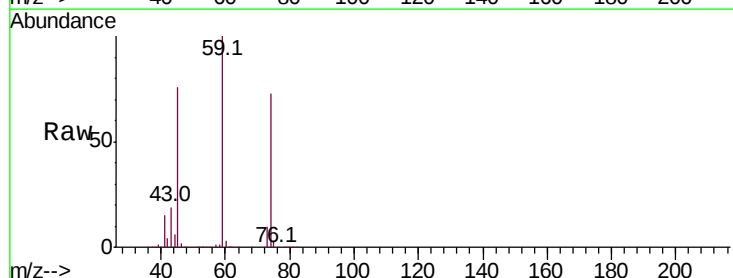
MMDadoda
 6/6/2019 9:32:42 AM

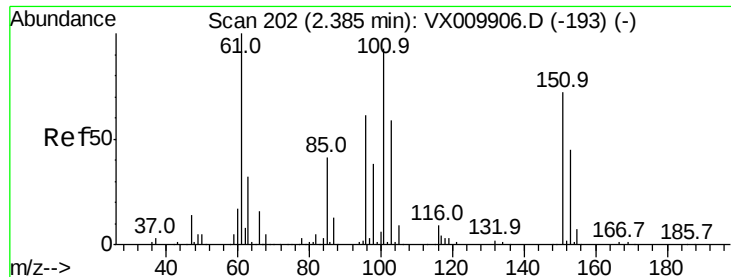


#8

Diethyl Ether
 Concen: 45.015 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX010091.D
 Acq: 05 Jun 2019 20:45

Tgt Ion: 74 Resp: 53028
 Ion Ratio Lower Upper
 74 100
 45 108.3 56.1 168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.044 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Instrument :

MSVOA_X

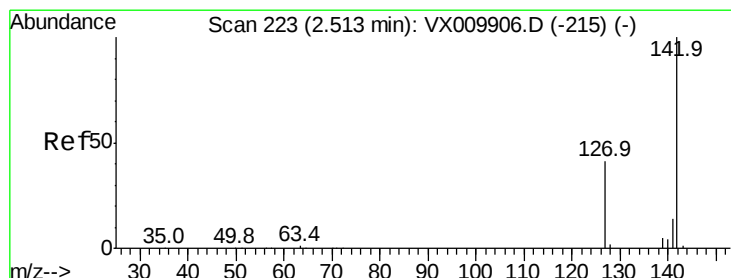
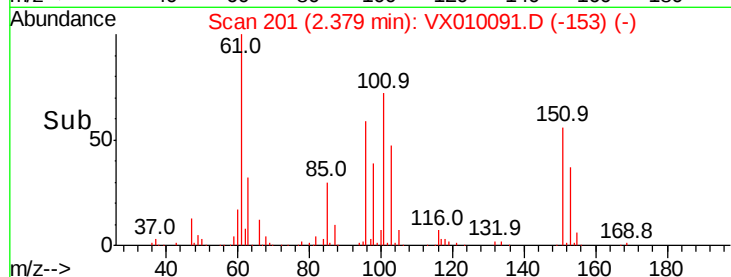
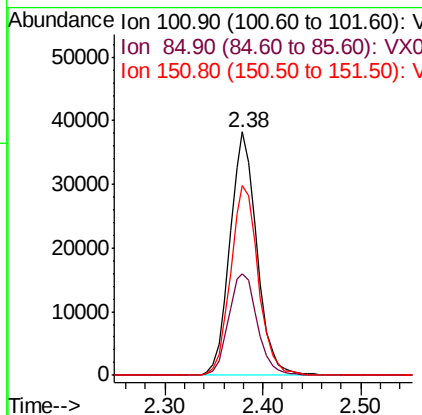
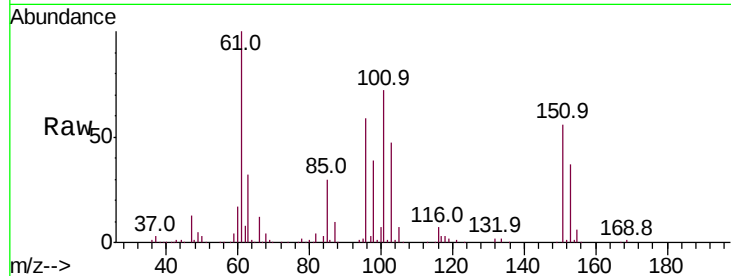
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	72712
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.2	52.8
151	80.2	61.9	92.9

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:42 AM



#10

Methyl Iodide

Concen: 49.702 ug/l

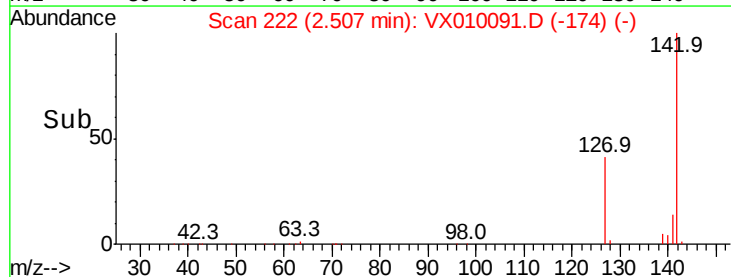
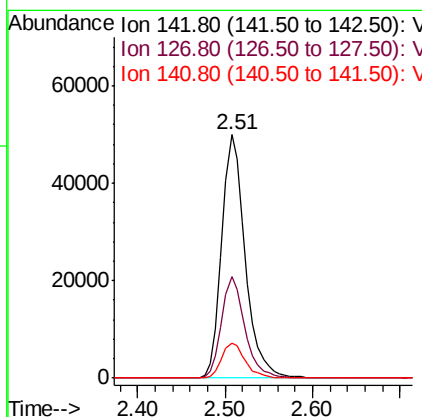
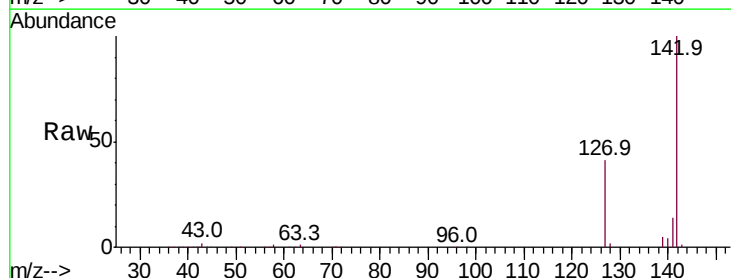
RT: 2.51 min Scan# 222

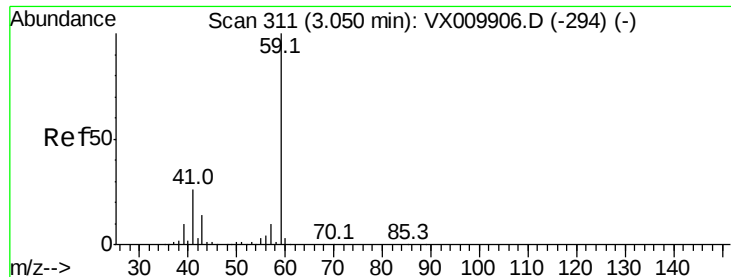
Delta R.T. -0.01 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Tgt Ion:	142	Resp:	93088
Ion Ratio	Lower	Upper	
142	100		
127	41.5	33.0	49.4
141	14.6	11.4	17.0





#11

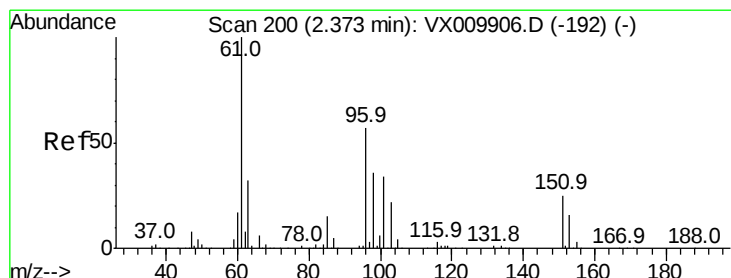
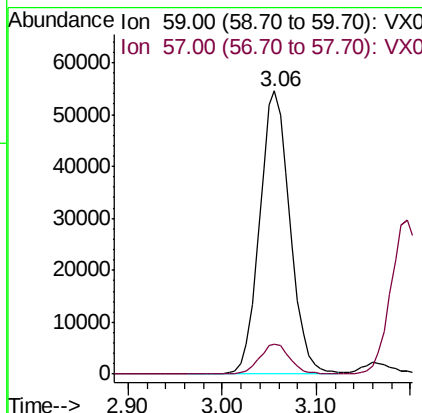
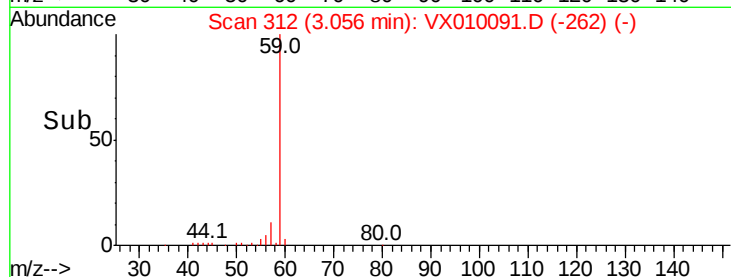
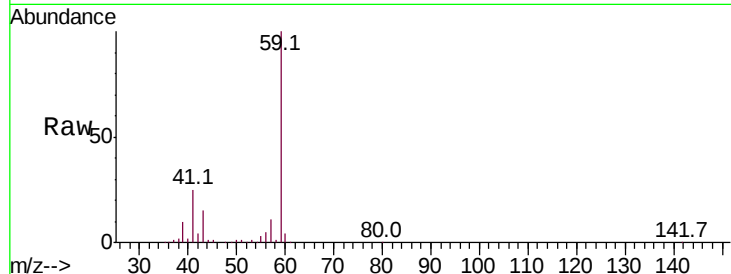
Tert butyl alcohol
Concen: 231.654 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	123359
Ion Ratio	100	Lower	Upper
57	10.7	8.2	12.2

Manual Integrations
APPROVED

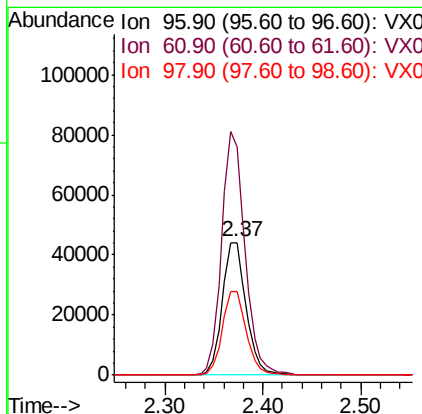
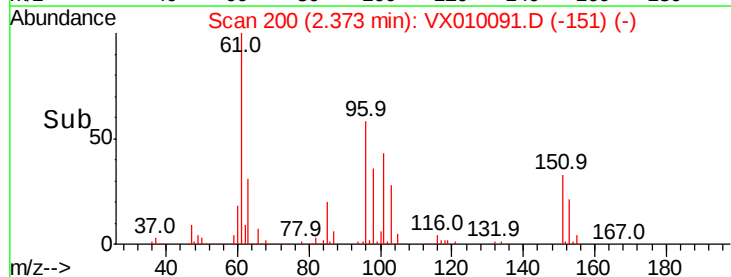
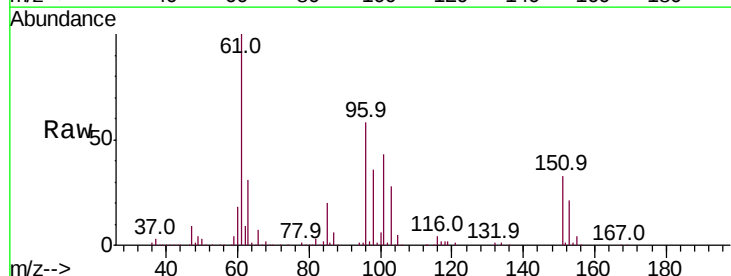
MMDadoda
6/6/2019 9:32:42 AM

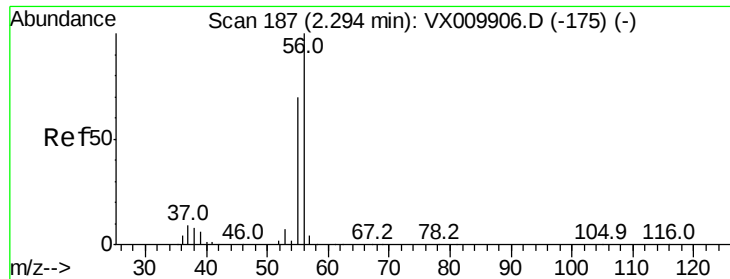


#12

1,1-Dichloroethene
Concen: 48.240 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Tgt Ion	96	Resp	74836
Ion Ratio	100	Lower	Upper
61	171.9	140.7	211.1
98	62.7	50.1	75.1





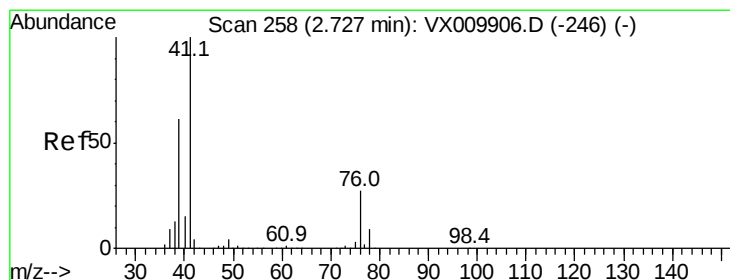
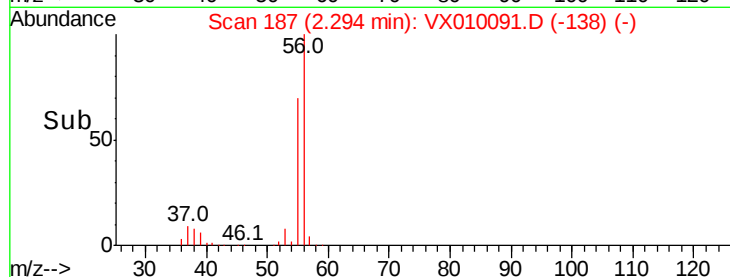
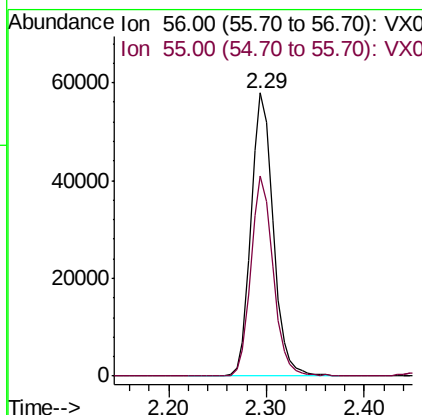
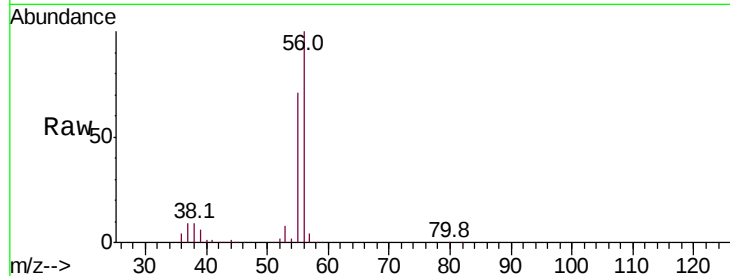
#13
Acrolein
Concen: 243.954 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Ratio	100	Resp	91873
Ion	56	100		Lower	Upper
	55	70.8		57.0	85.4

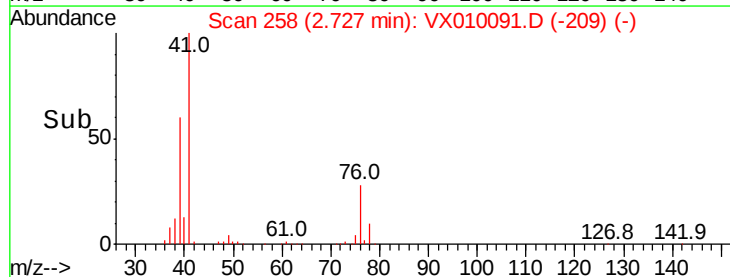
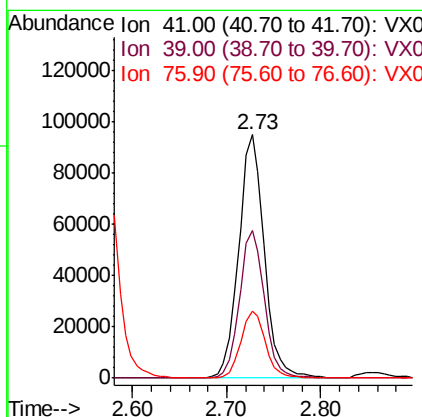
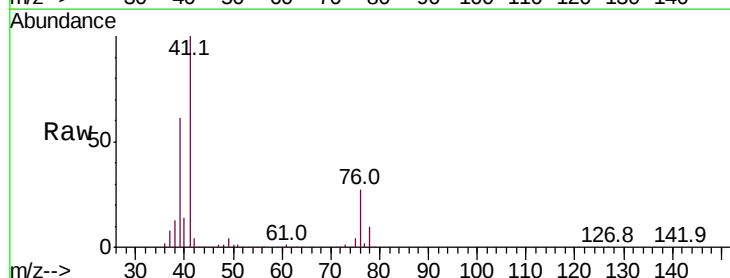
Manual Integrations
APPROVED

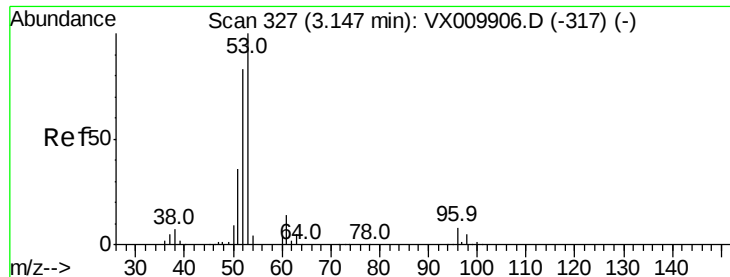
MMDadoda
6/6/2019 9:32:42 AM



#14
Allyl chloride
Concen: 47.663 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Tgt Ion	41	Ratio	100	Resp	179711
Ion	41	100		Lower	Upper
	39	58.7		46.7	70.1
	76	26.6		21.0	31.4





#15

Acrylonitrile

Concen: 235.460 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Instrument :

MSVOA_X

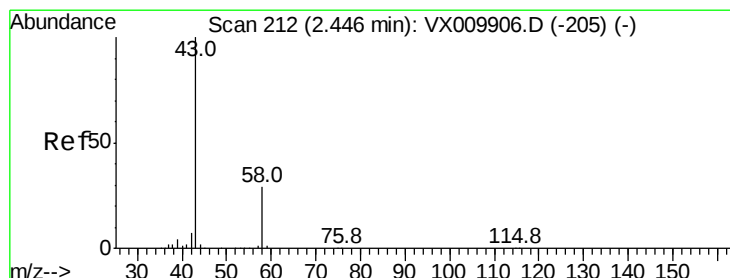
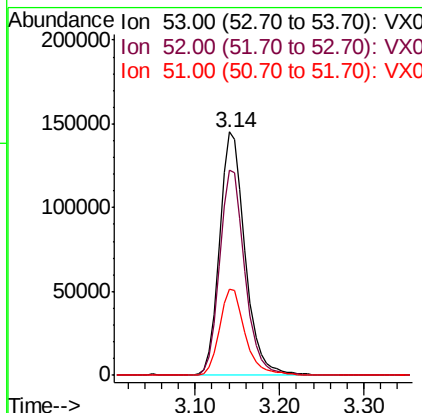
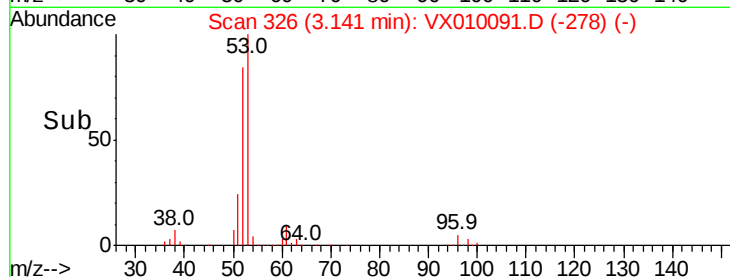
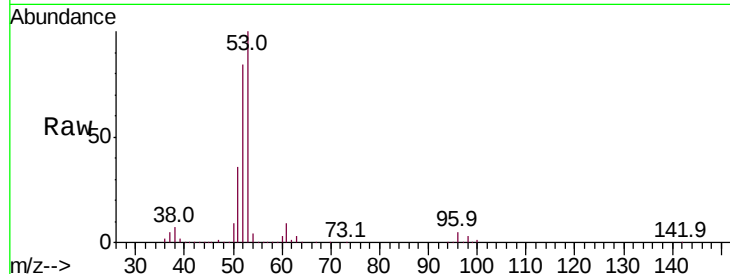
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	302113
Ion Ratio	Lower	Upper	
53	100		
52	83.8	66.7	100.1
51	35.8	28.8	43.2

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:42 AM



#16

Acetone

Concen: 221.903 ug/l

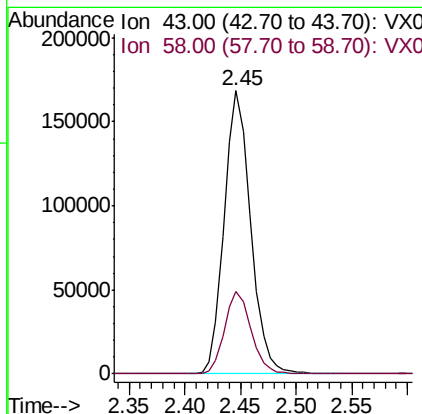
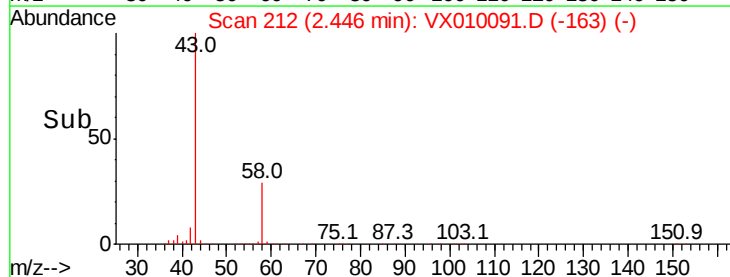
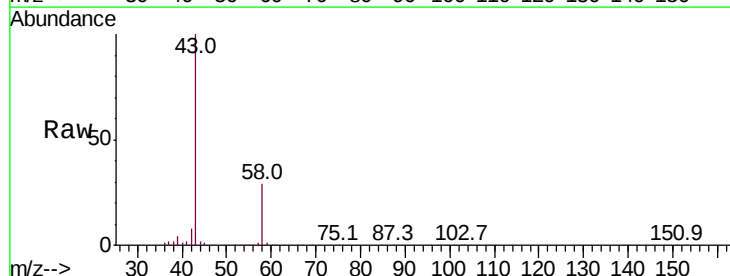
RT: 2.45 min Scan# 212

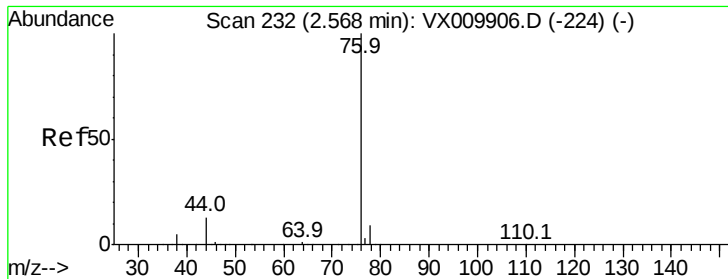
Delta R.T. -0.00 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Tgt Ion:	43	Resp:	277424
Ion Ratio	Lower	Upper	
43	100		
58	28.9	23.2	34.8





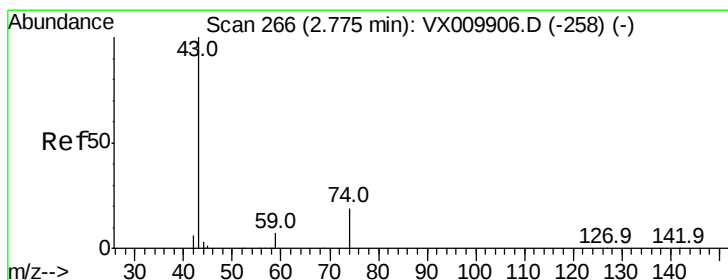
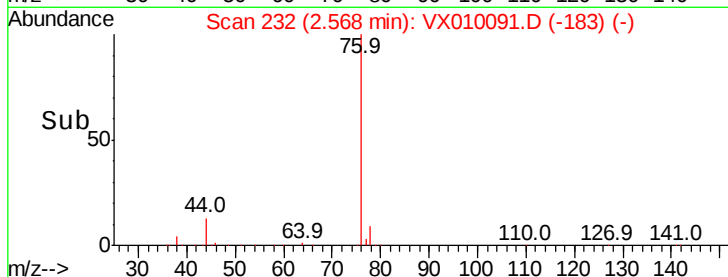
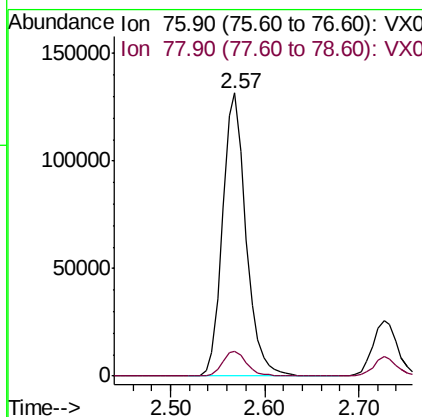
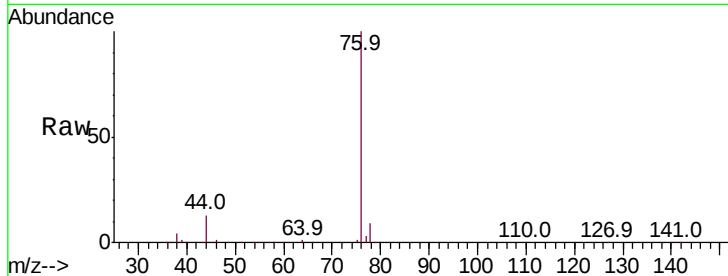
#17
Carbon Disulfide
Concen: 48.405 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

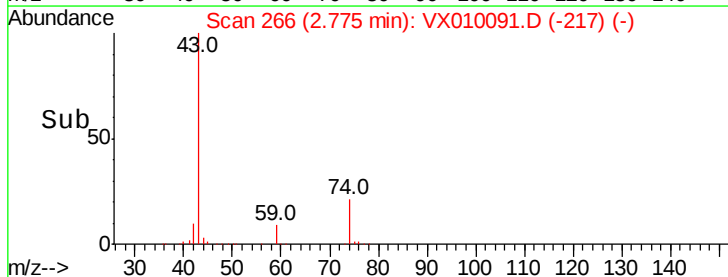
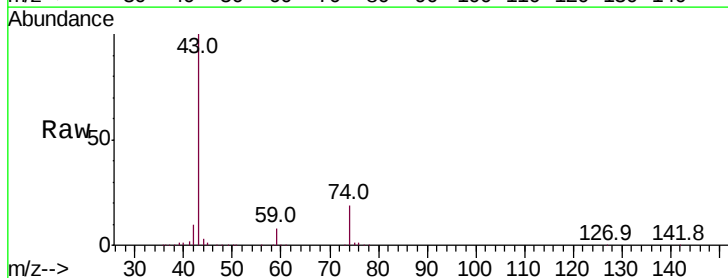
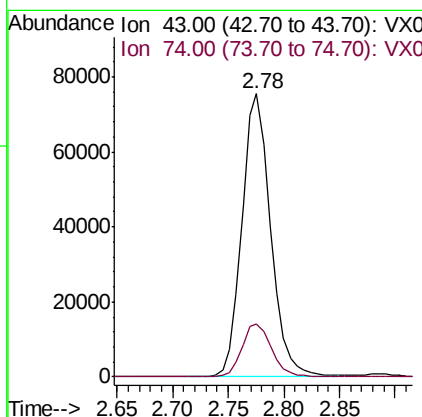
Manual Integrations
APPROVED

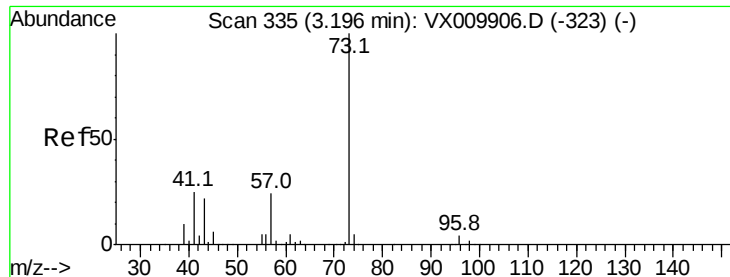
MMDadoda
6/6/2019 9:32:42 AM



#18
Methyl Acetate
Concen: 46.296 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.0	15.8	23.6





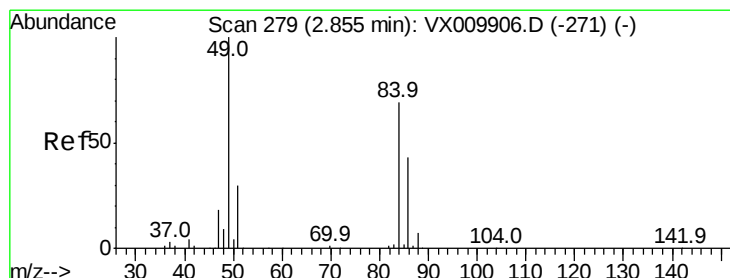
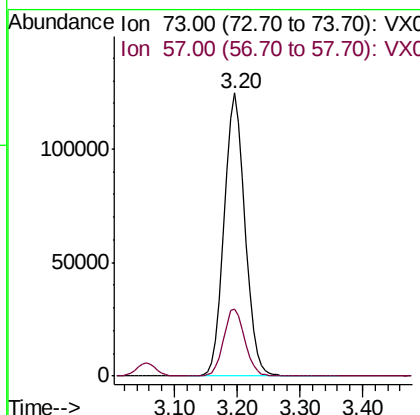
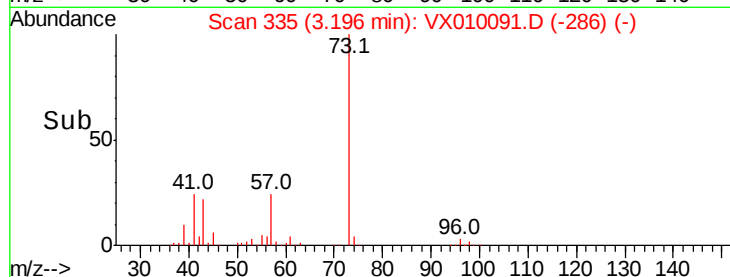
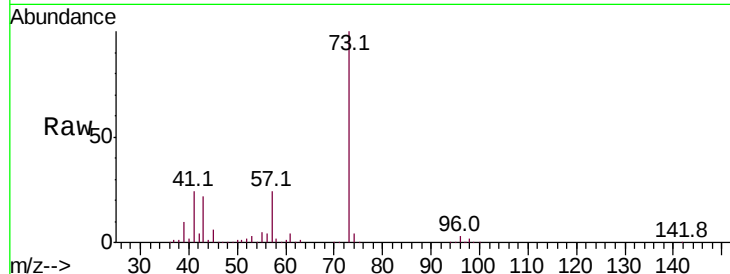
#19
Methvl tert-butvl Ether
Concen: 49.065 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 287363
Ion Ratio Lower Upper
73 100
57 23.9 19.4 29.2

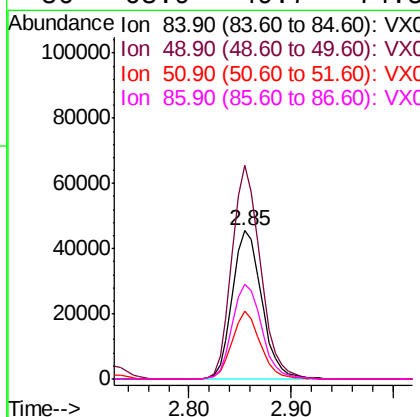
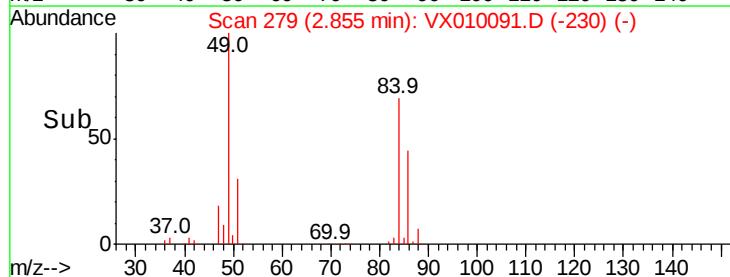
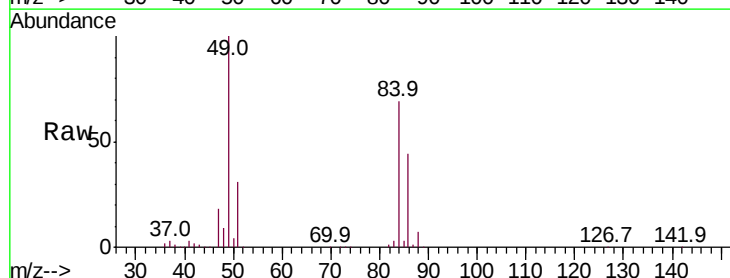
Manual Integrations
APPROVED

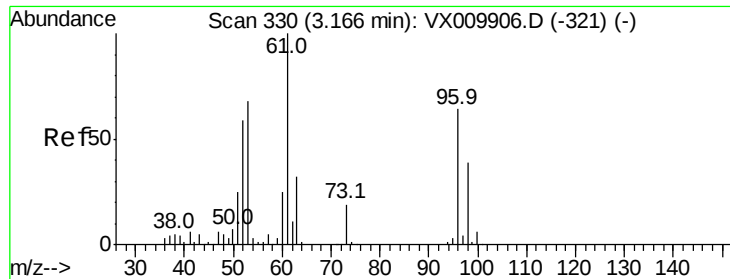
MMDadoda
6/6/2019 9:32:42 AM



#20
Methylene Chloride
Concen: 47.387 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Tgt Ion: 84 Resp: 90724
Ion Ratio Lower Upper
84 100
49 144.3 115.8 173.6
51 45.4 34.4 51.6
86 63.9 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 47.104 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Instrument :

MSVOA_X

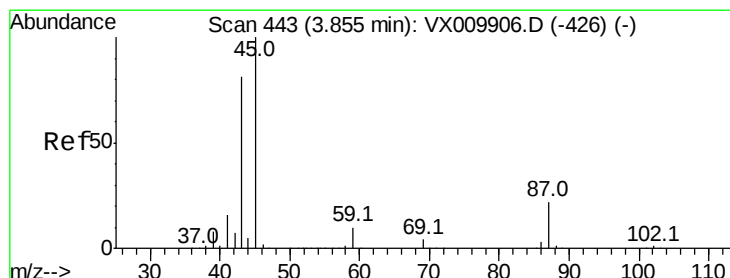
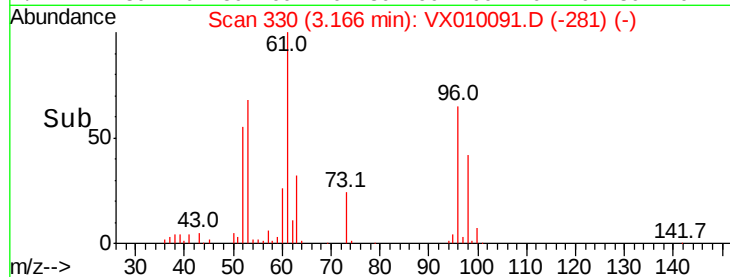
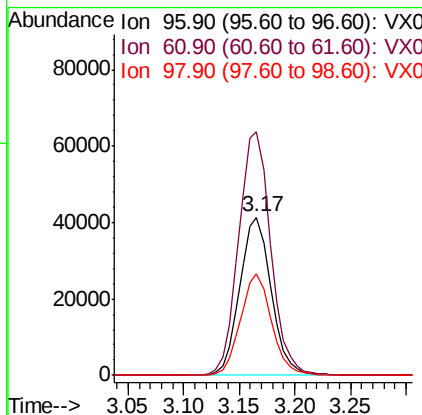
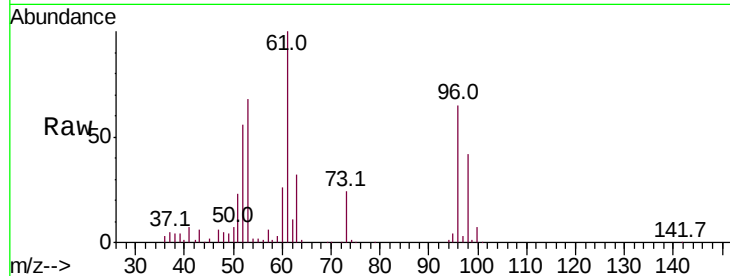
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	81307
Ion	Ratio	Lower	Upper
96	100		
61	154.2	125.7	188.5
98	64.3	49.0	73.6

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:42 AM



#22

Diisopropyl ether

Concen: 48.152 ug/l

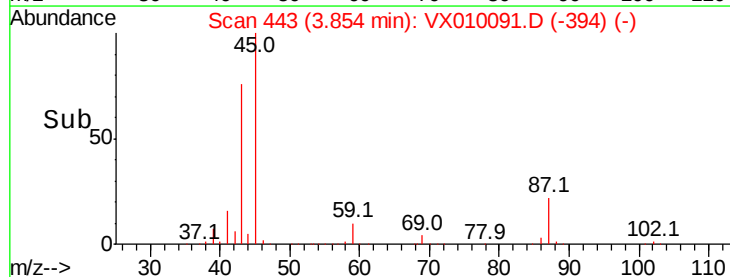
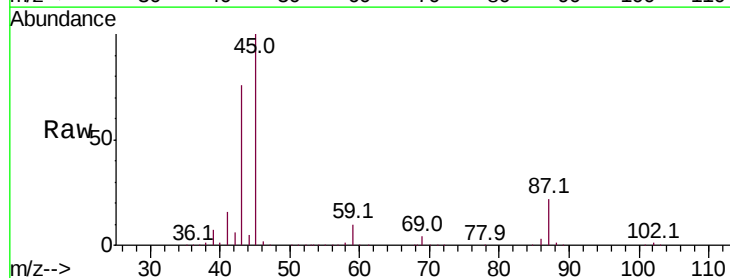
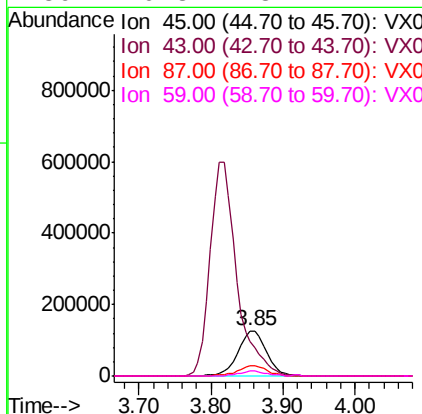
RT: 3.85 min Scan# 443

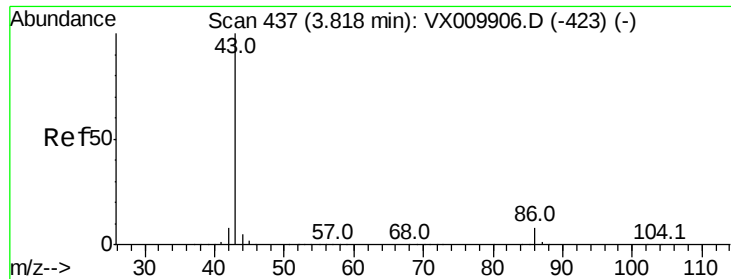
Delta R.T. -0.00 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Tgt Ion:	45	Resp:	345442
Ion	Ratio	Lower	Upper
45	100		
43	76.0	65.0	97.4
87	22.4	17.3	25.9
59	10.3	8.1	12.1





#23

Vinyl Acetate

Concen: 240.325 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1548843

Ion Ratio Lower Upper

43 100

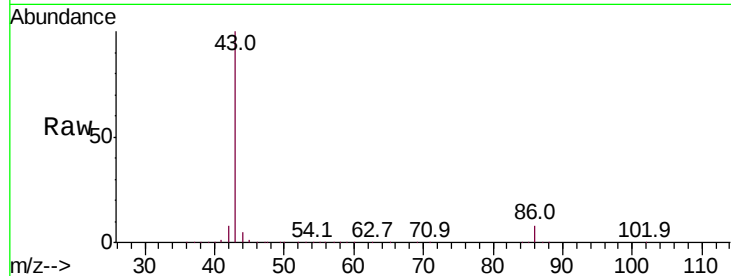
86 8.4 6.5 9.7

Manual Integrations

APPROVED

MMDadoda

6/6/2019 9:32:42 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

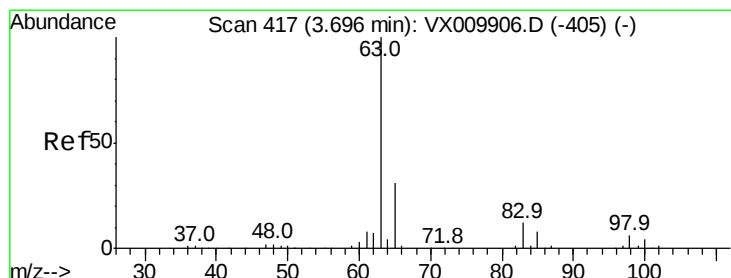
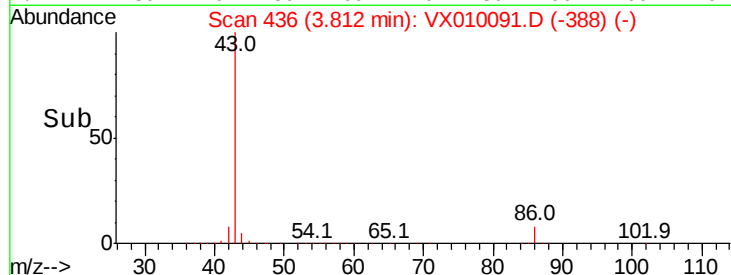
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.241 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

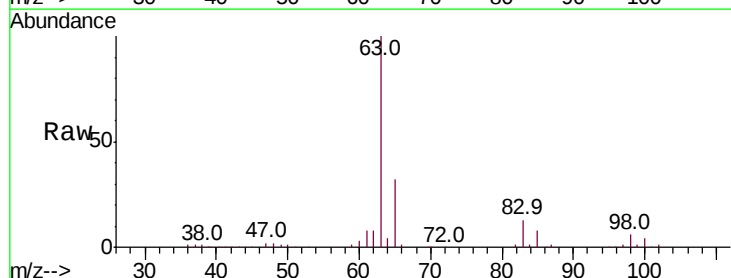
Tgt Ion: 63 Resp: 167719

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

100 3.9 1.8 5.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

80000

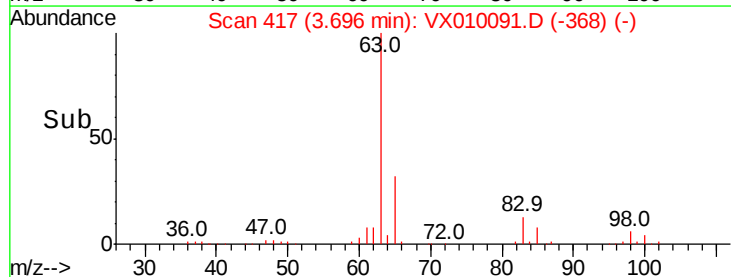
60000

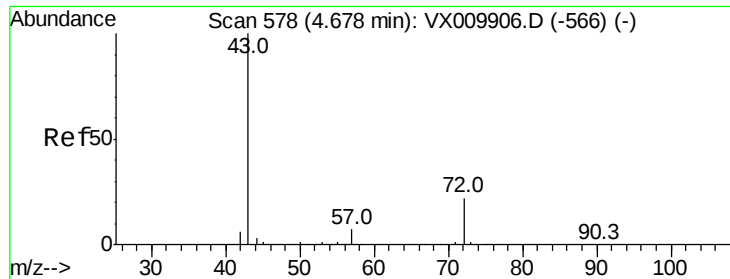
40000

20000

0

Time-->





#25

2-Butanone

Concen: 235.084 ug/l

RT: 4.68 min Scan# 578

Delta R.T. -0.00 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 457896

Ion Ratio Lower Upper

43 100

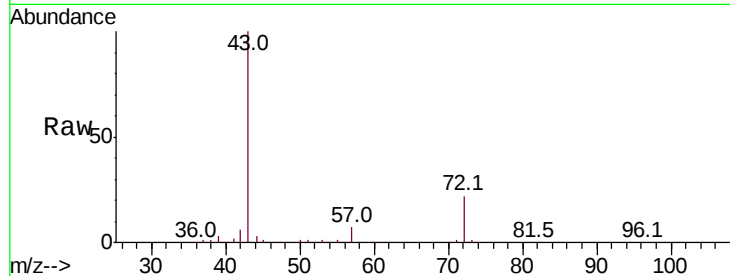
72 22.2 17.5 26.3

Manual Integrations

APPROVED

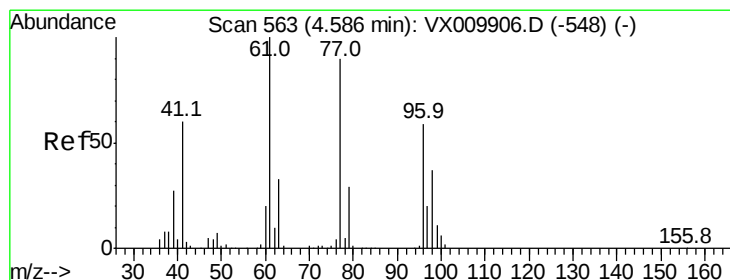
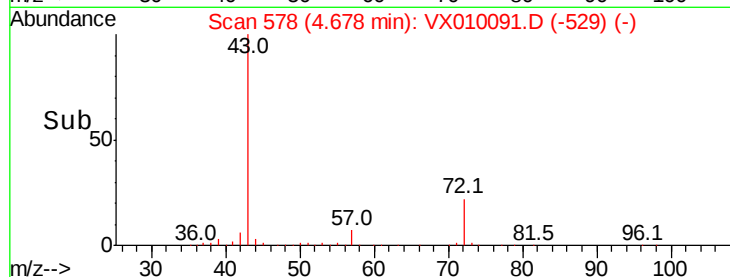
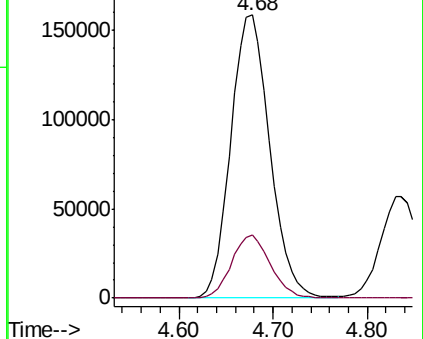
MMDadoda

6/6/2019 9:32:42 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 43.875 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX010091.D

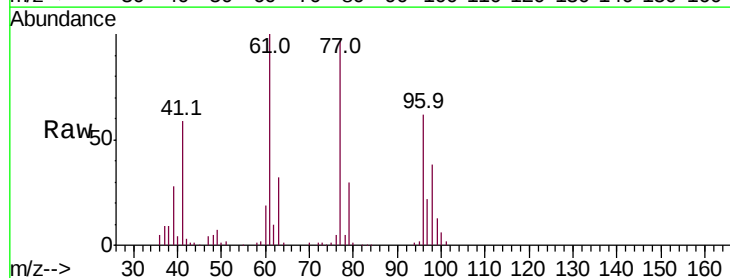
Acq: 05 Jun 2019 20:45

Tgt Ion: 77 Resp: 115389

Ion Ratio Lower Upper

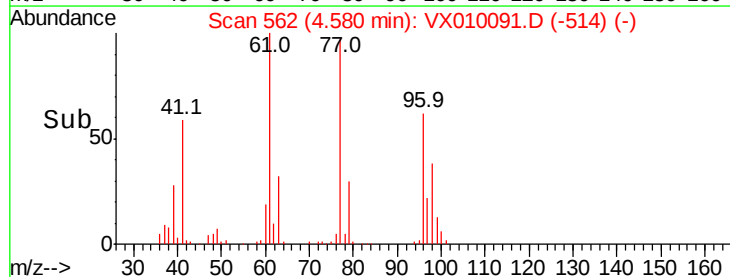
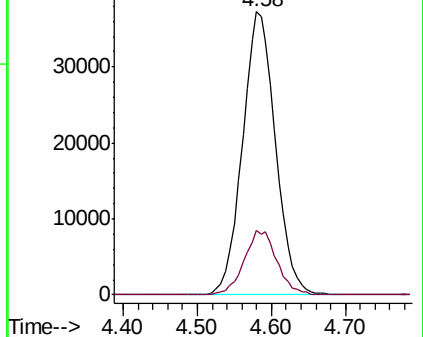
77 100

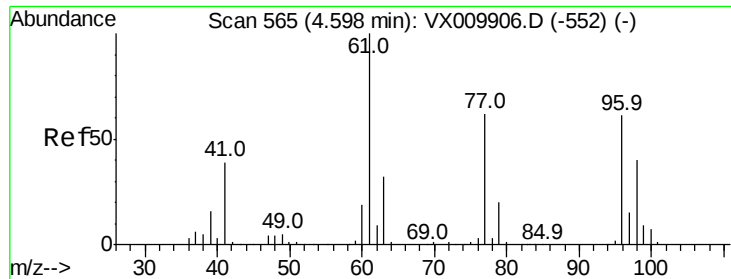
97 22.6 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

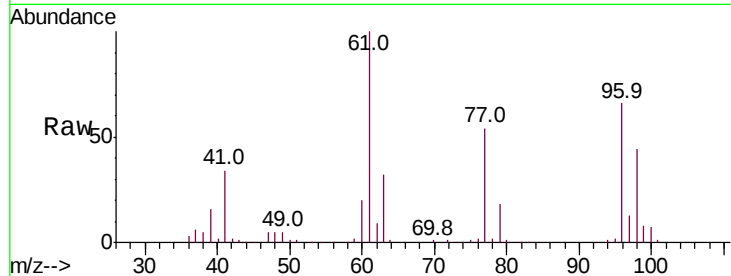
cis-1,2-Dichloroethene
Concen: 47.986 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.4	0.0	334.0
98	63.5	0.0	131.6

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:42 AM

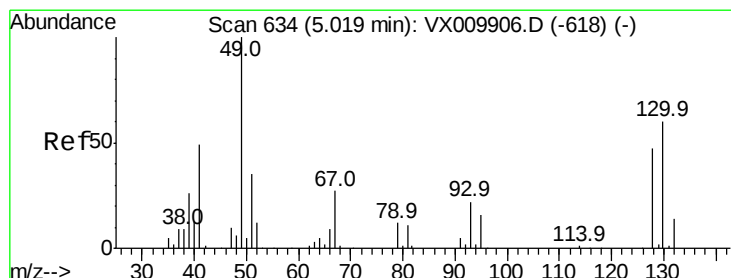
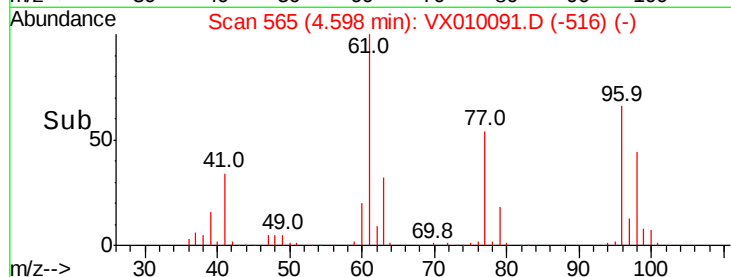
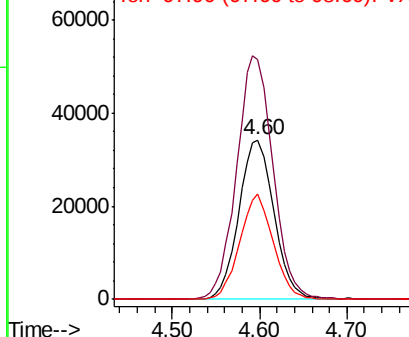


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

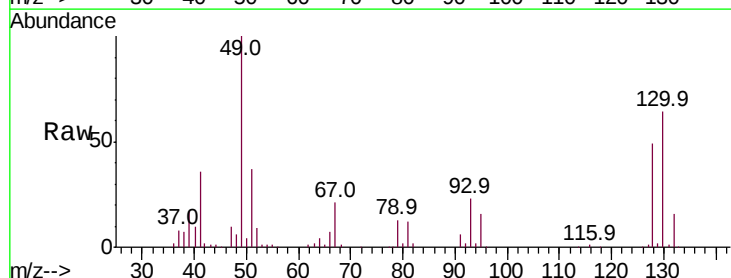
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 43.562 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.4
130	64.0	49.4	74.2

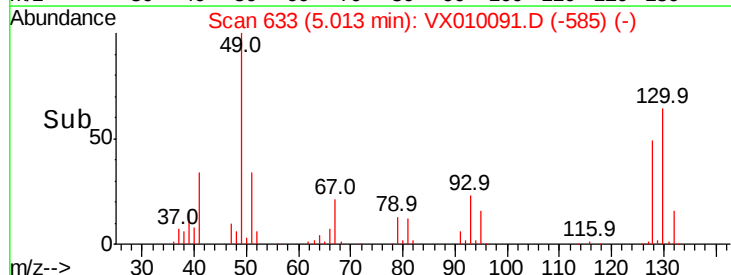
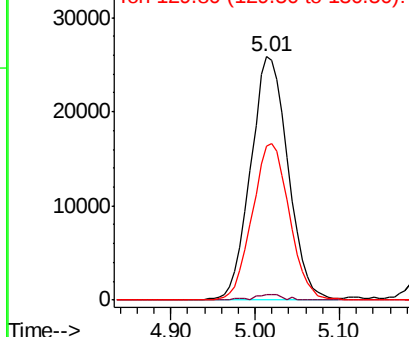


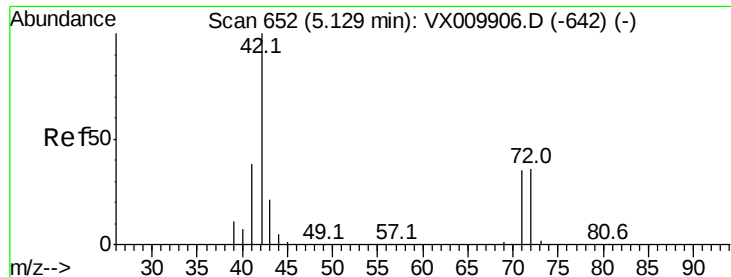
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





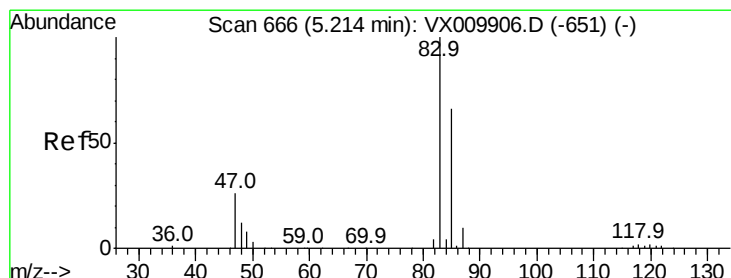
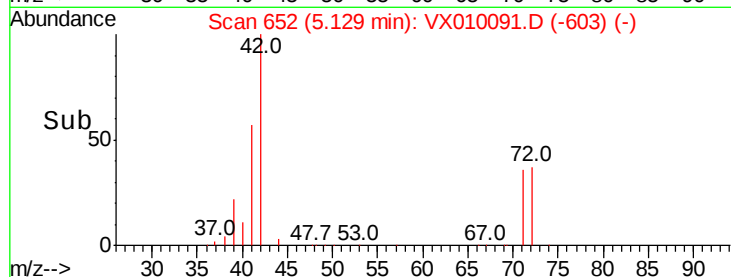
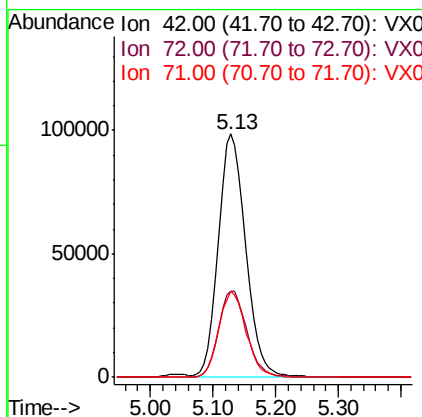
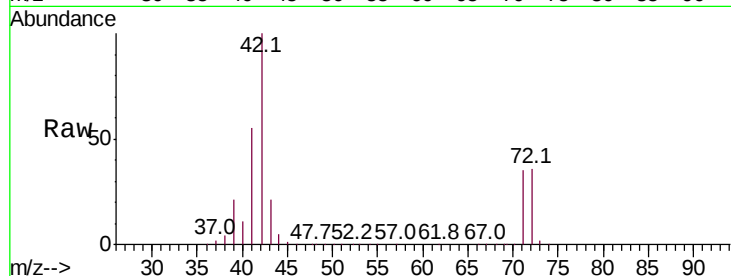
#29
Tetrahydrofuran
Concen: 237.913 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.1	29.2	43.8
71	35.4	27.6	41.4

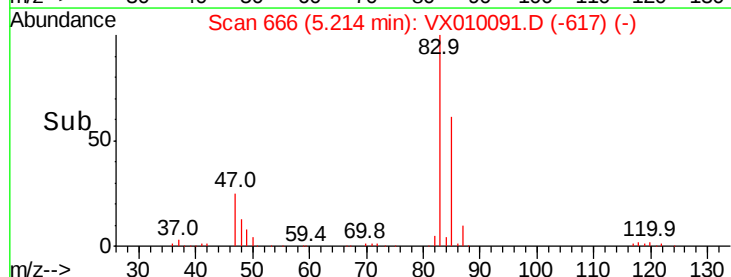
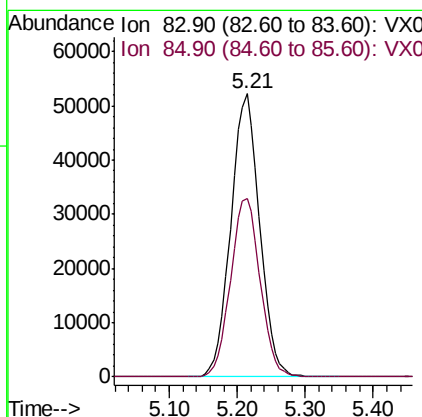
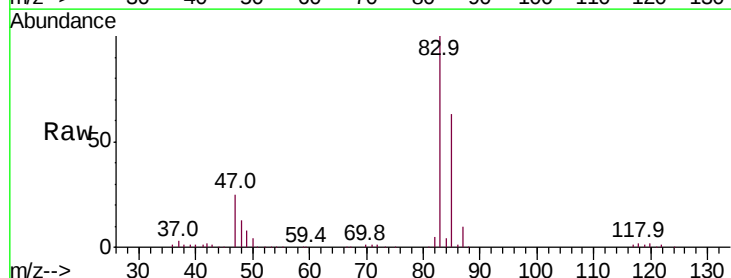
Manual Integrations
APPROVED

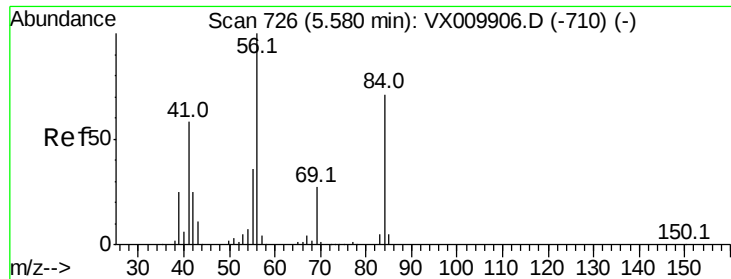
MMDadoda
6/6/2019 9:32:42 AM



#30
Chloroform
Concen: 48.917 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.6	78.8





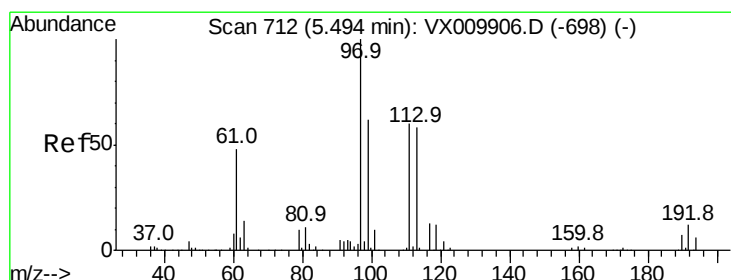
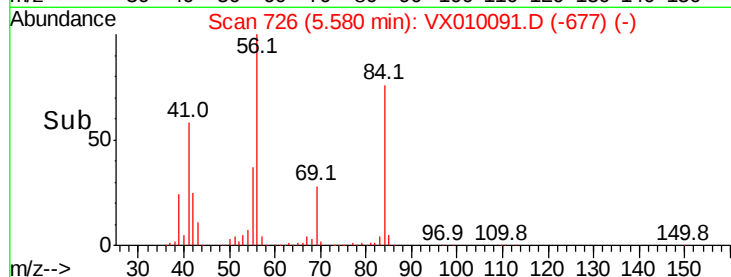
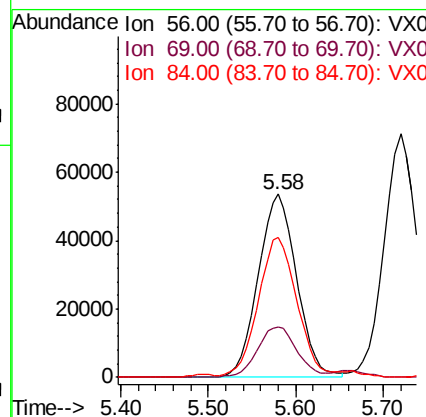
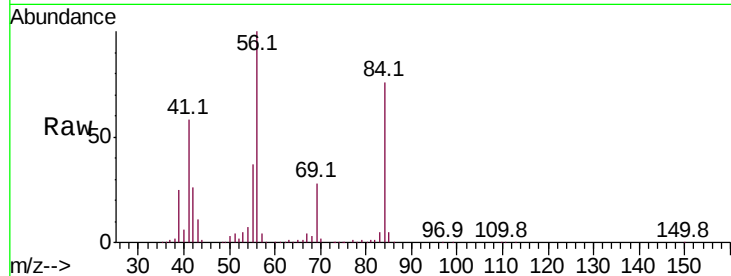
#31
Cyclohexane
Concen: 49.840 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.5	21.6	32.4
84	75.0	56.8	85.2

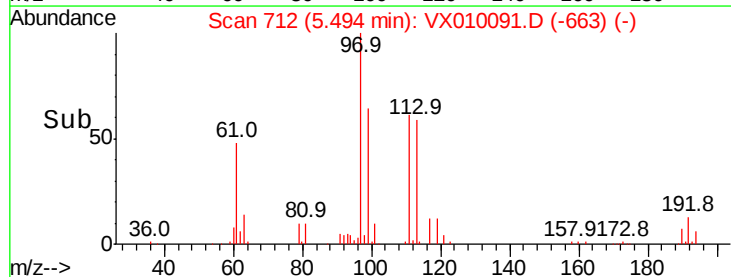
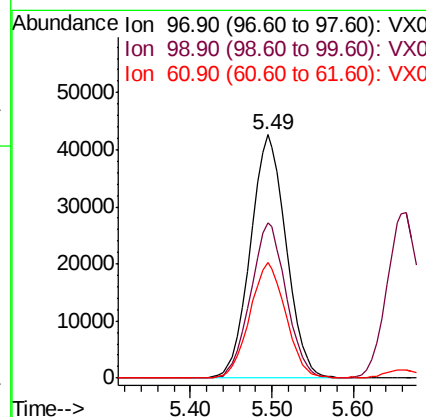
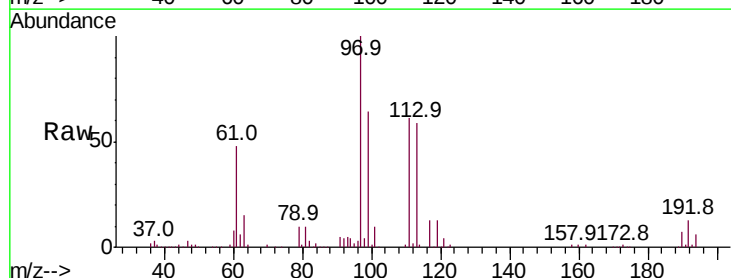
Manual Integrations
APPROVED

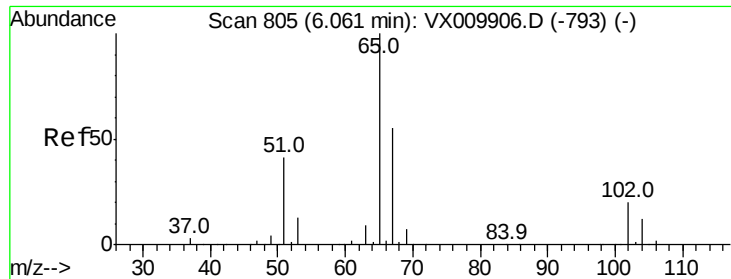
MMDadoda
6/6/2019 9:32:42 AM



#32
1,1,1-Trichloroethane
Concen: 50.882 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.4
61	47.9	38.7	58.1





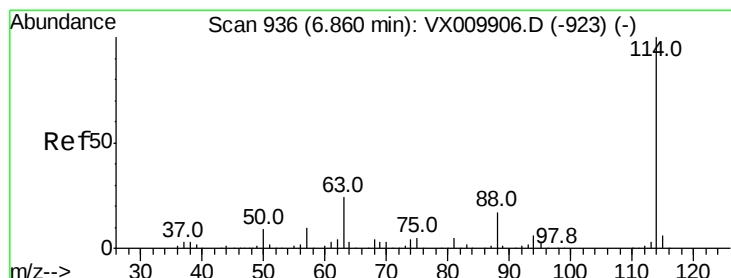
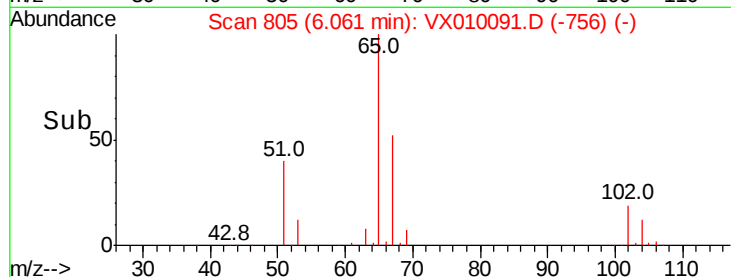
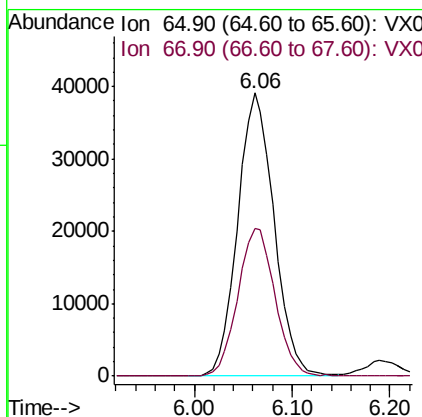
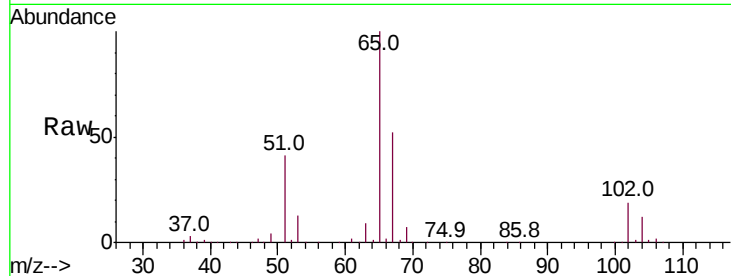
#33
 1,2-Dichloroethane-d4
 Concen: 46.590 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010091.D
 Acq: 05 Jun 2019 20:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	108.4

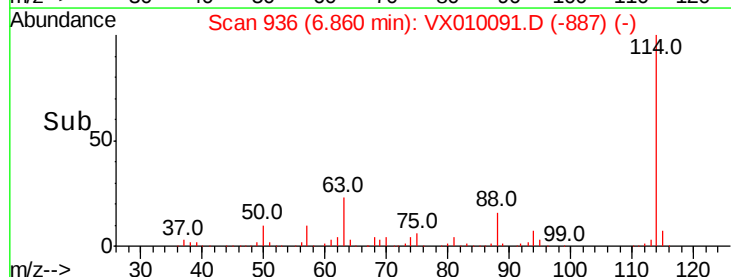
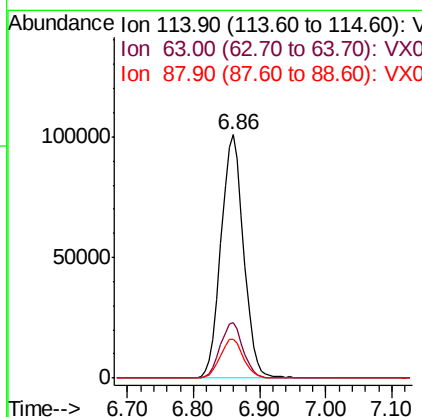
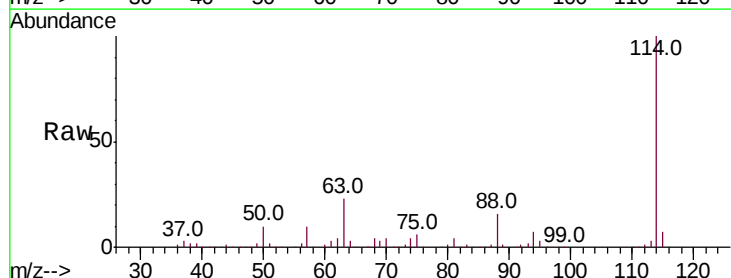
Manual Integrations
 APPROVED

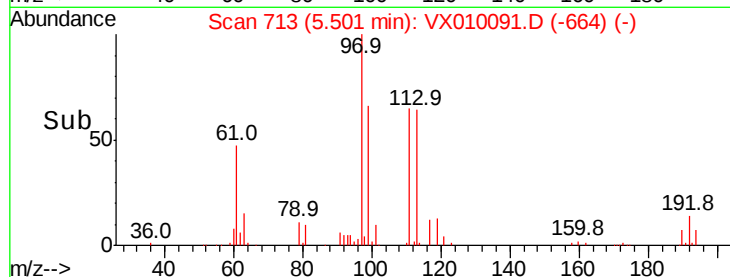
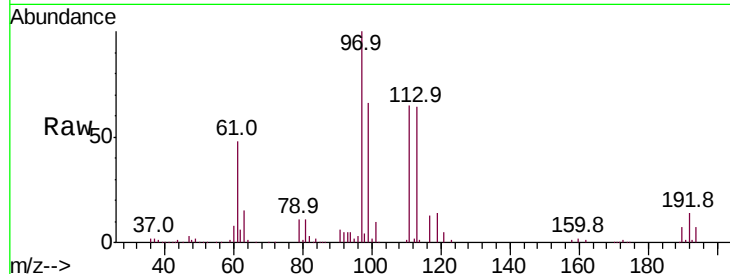
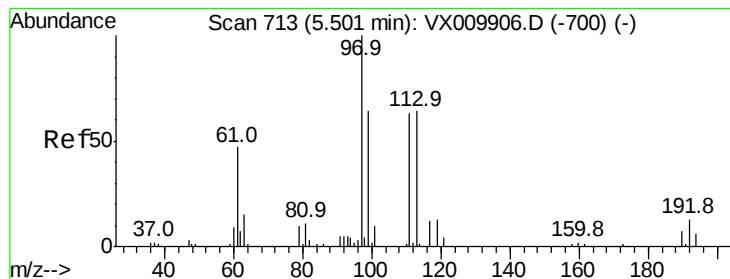
MMDadoda
 6/6/2019 9:32:42 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010091.D
 Acq: 05 Jun 2019 20:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	47.4
88	16.1	0.0	33.0





#35

Dibromofluoromethane

Concen: 49.545 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Tot Ion:	113	Resp:	74563
Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.2
192	22.4	17.1	25.7

Instrument :

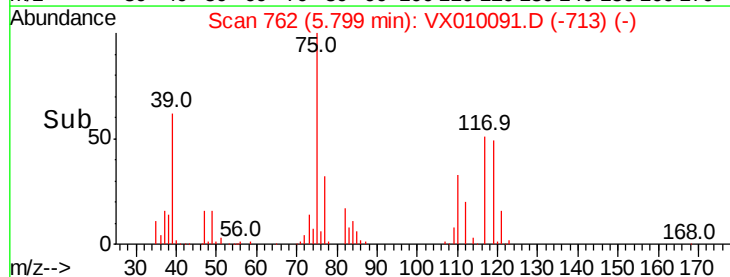
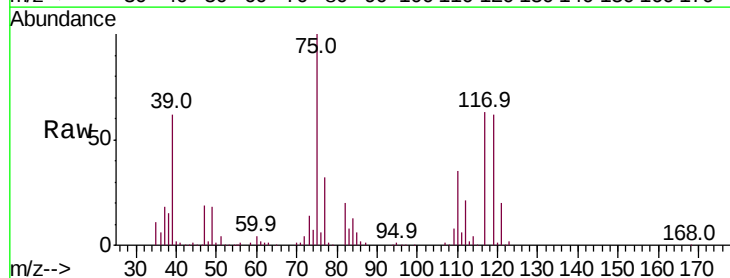
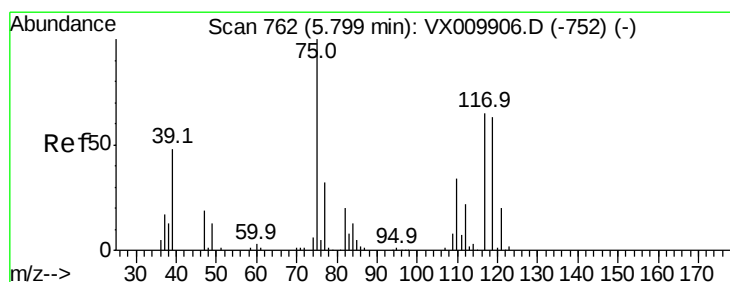
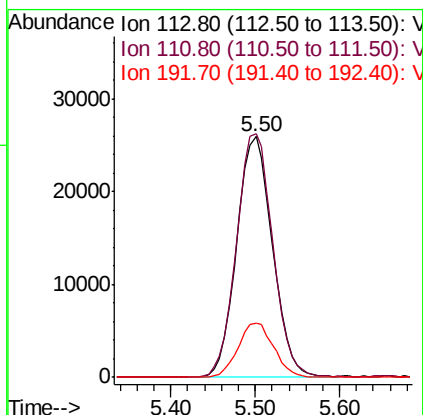
MSVOA_X

ClientSampleId :

VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:42 AM



#36

1,1-Dichloropropene

Concen: 49.347 ug/l

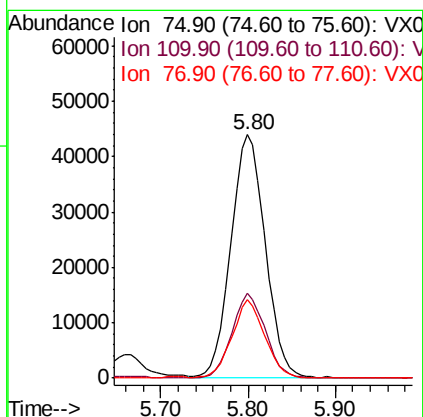
RT: 5.80 min Scan# 762

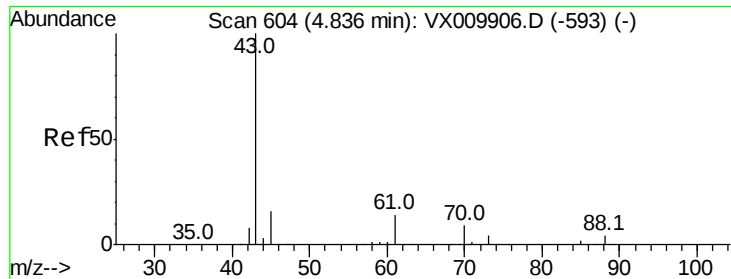
Delta R.T. -0.00 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Tgt Ion:	75	Resp:	119853
Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.7	50.1
77	31.1	25.0	37.4





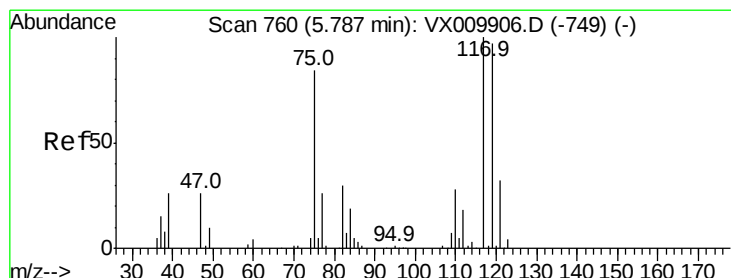
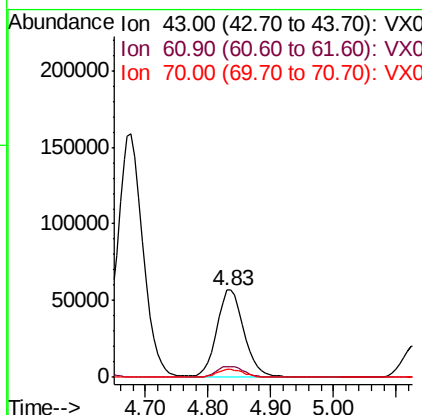
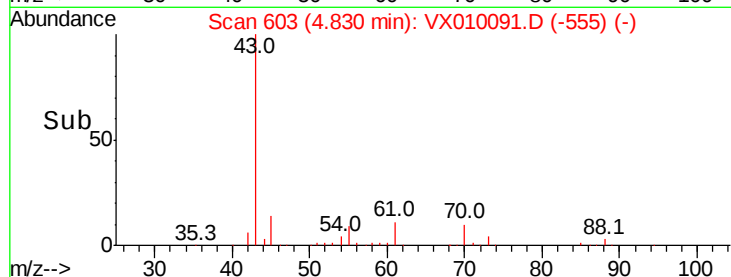
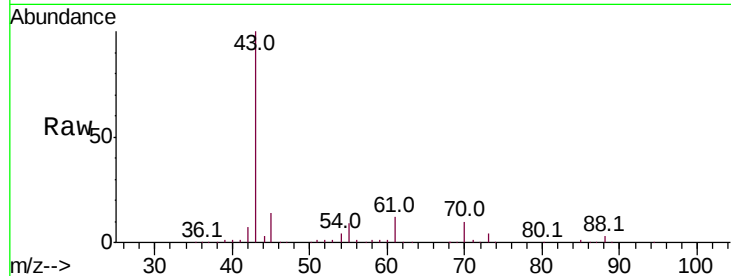
#37
Ethyl Acetate
Concen: 50.670 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.2	15.2
70	9.2	7.4	11.2

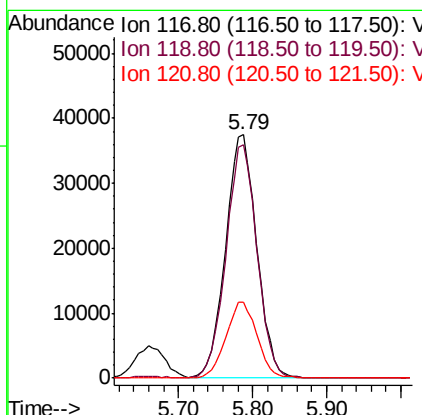
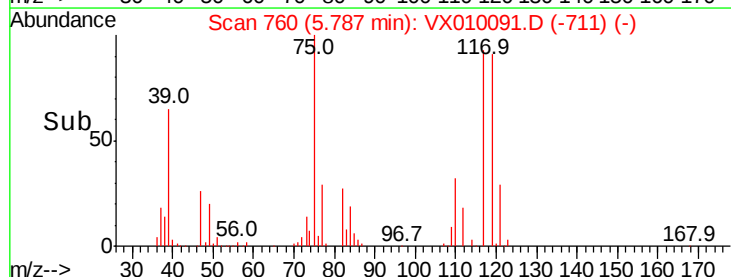
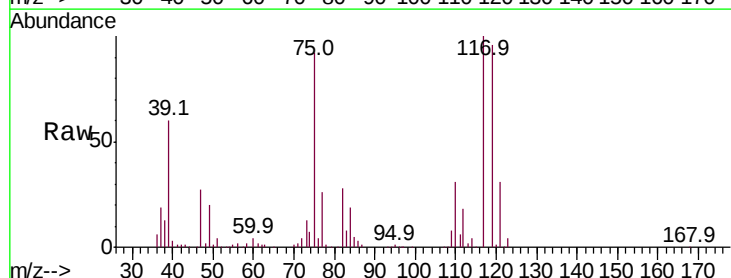
Manual Integrations
APPROVED

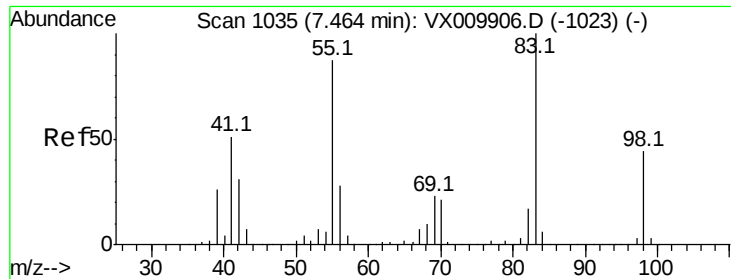
MMDadoda
6/6/2019 9:32:42 AM



#38
Carbon Tetrachloride
Concen: 52.215 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.3	115.9
121	31.3	25.4	38.0





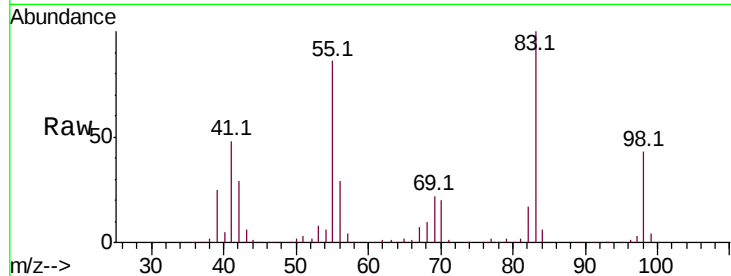
#39
Methvlcvclohexane
Concen: 51.162 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

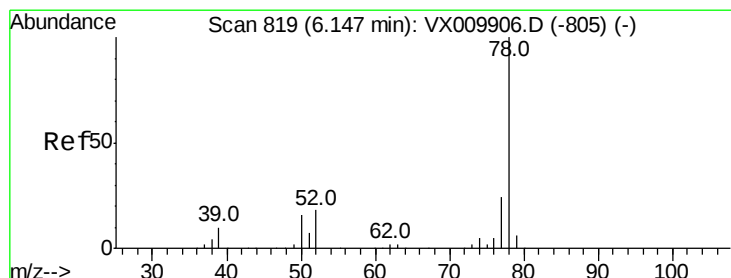
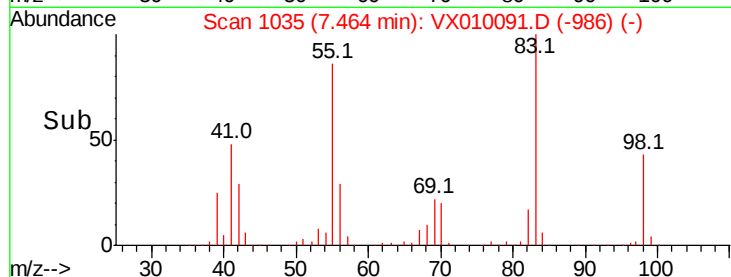
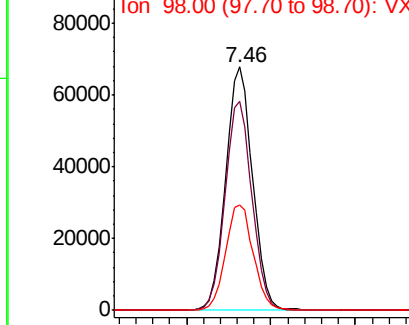
Tot Ion	Ratio	Lower	Upper
83	100		
55	85.8	69.9	104.9
98	43.5	35.1	52.7

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:42 AM

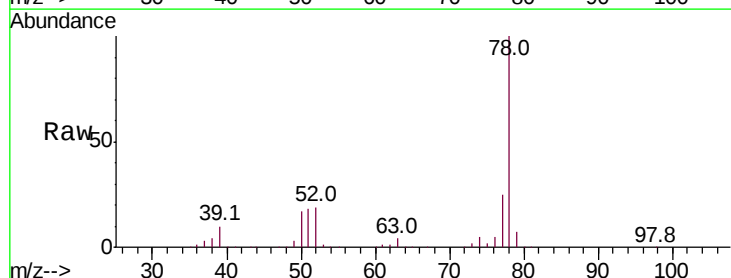


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

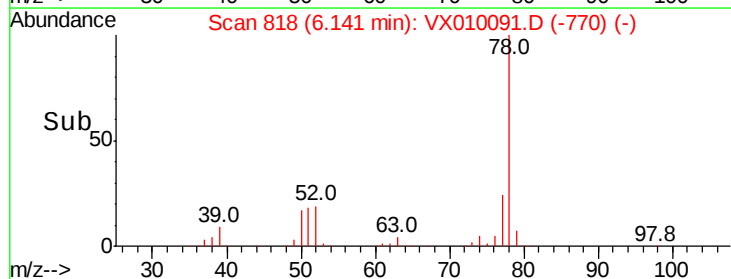
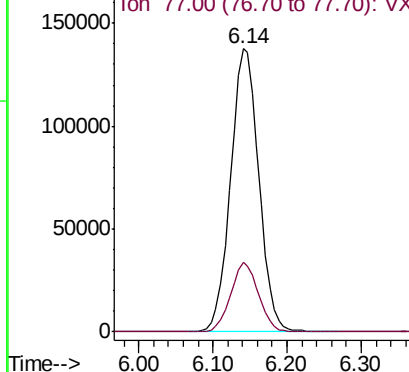


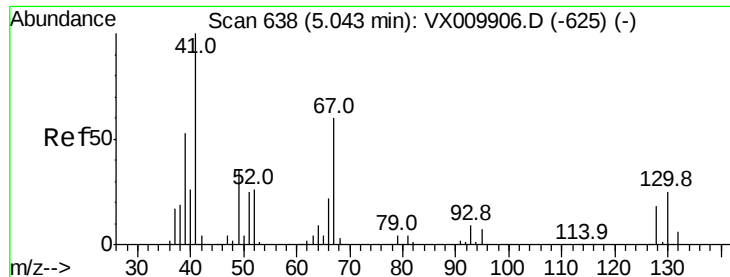
#40
Benzene
Concen: 50.752 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.2	28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





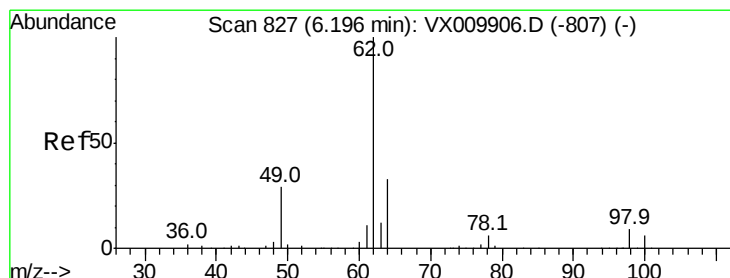
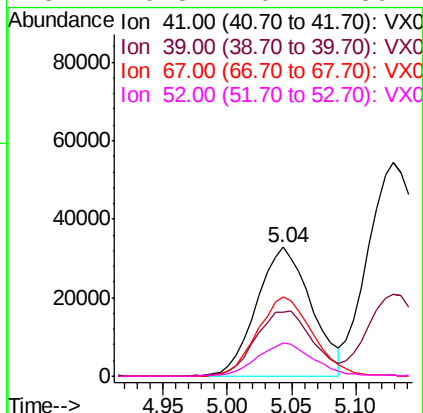
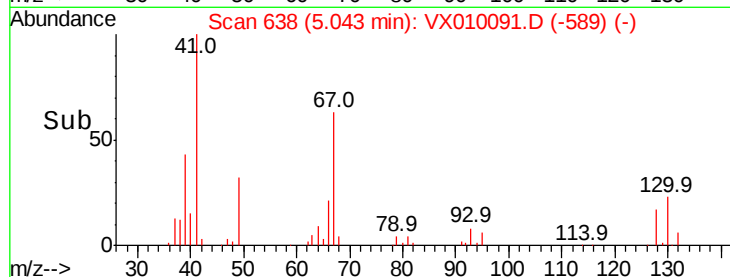
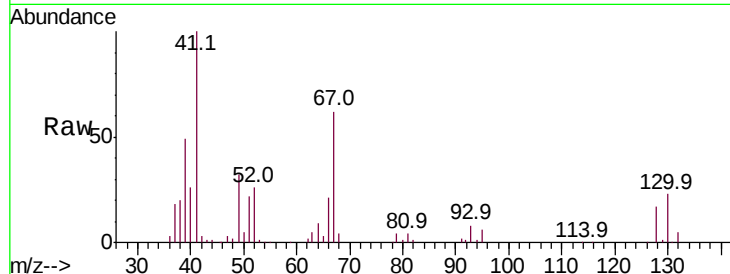
#41
Methacrylonitrile
Concen: 48.772 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.5	42.2	63.4	
67	62.8	48.9	73.3	
52	26.3	20.1	30.1	

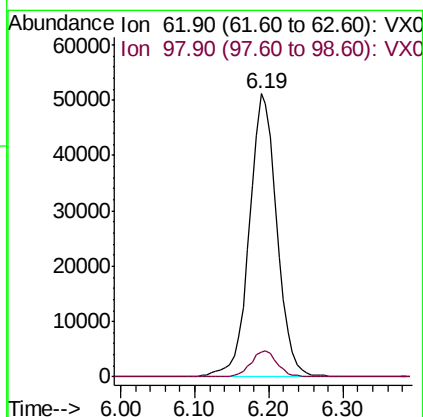
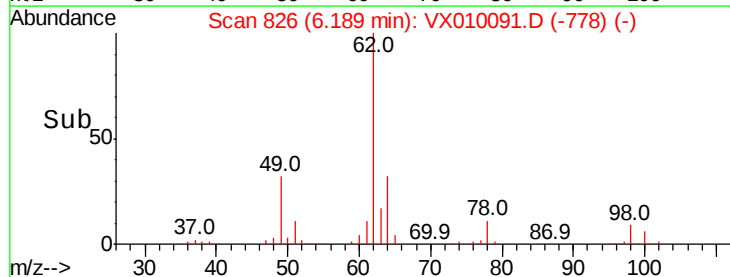
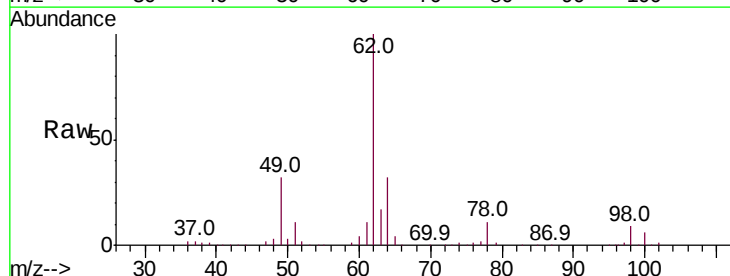
Manual Integrations
APPROVED

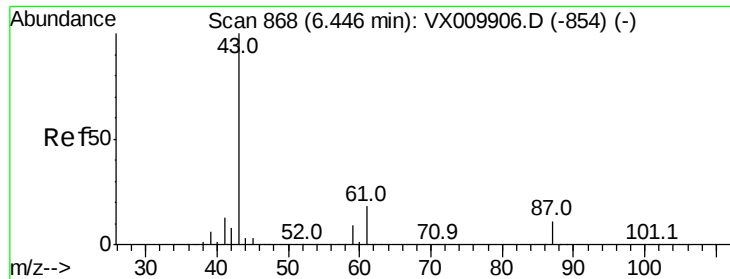
MMDadoda
6/6/2019 9:32:42 AM



#42
1,2-Dichloroethane
Concen: 49.607 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	17.2	





#43

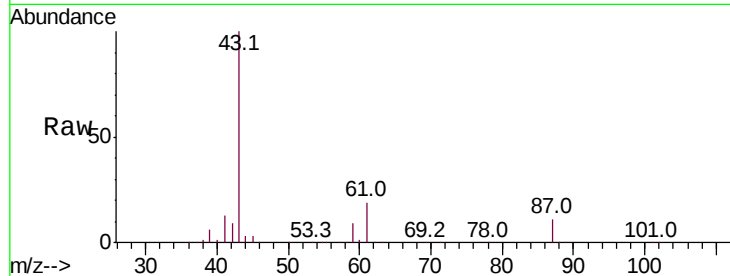
Isopropyl Acetate
 Concen: 49.433 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX010091.D
 Acq: 05 Jun 2019 20:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

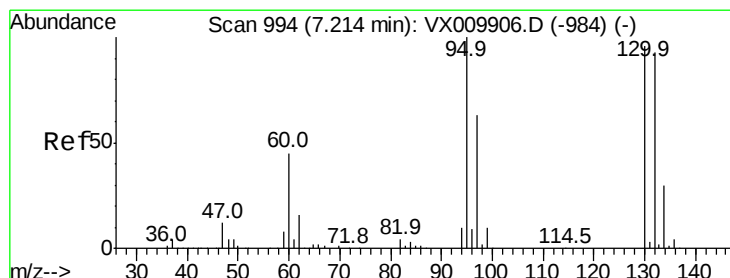
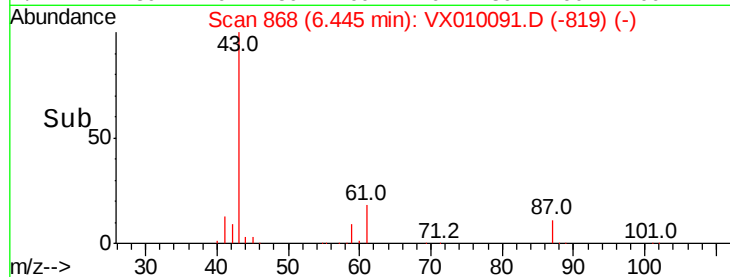
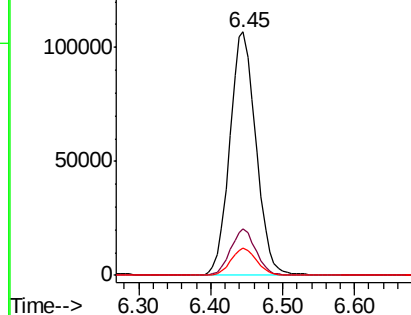
Tot Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.6	21.8
87	11.0	8.7	13.1

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 9:32:42 AM



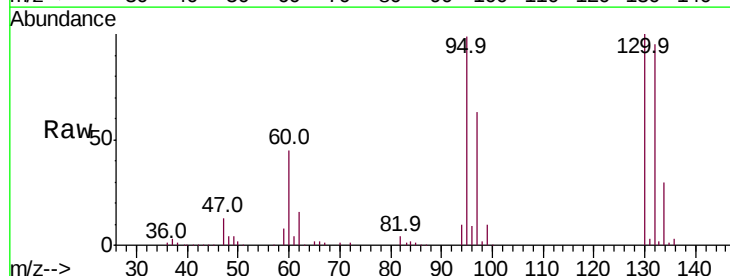
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



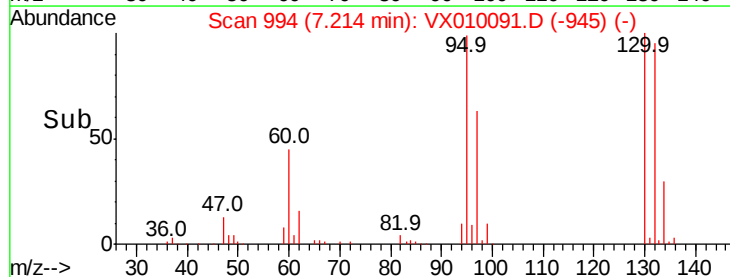
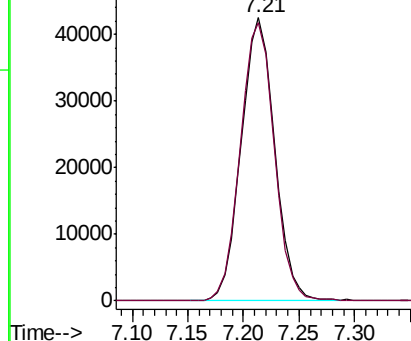
#44

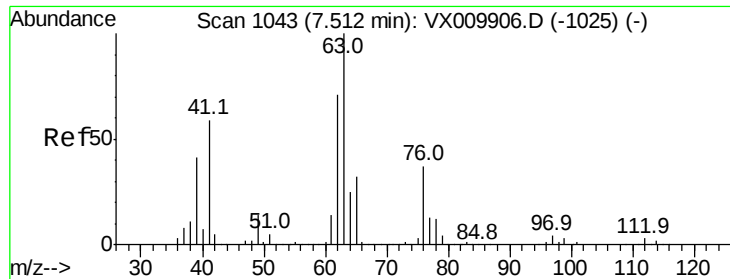
Trichloroethene
 Concen: 50.918 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX010091.D
 Acq: 05 Jun 2019 20:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	207.4



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 49.944 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 103584

Ion Ratio Lower Upper

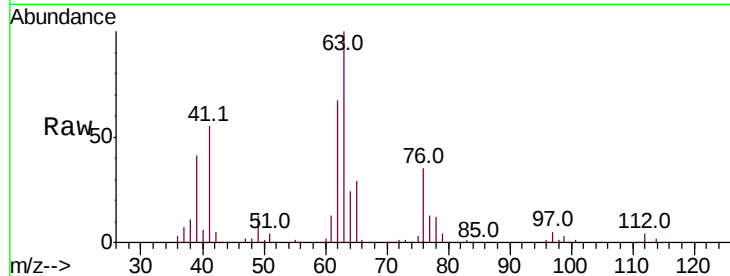
63 100

65 29.2 25.7 38.5

Manual Integrations
APPROVED

MMDadoda

6/6/2019 9:32:42 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

60000

50000

40000

30000

20000

10000

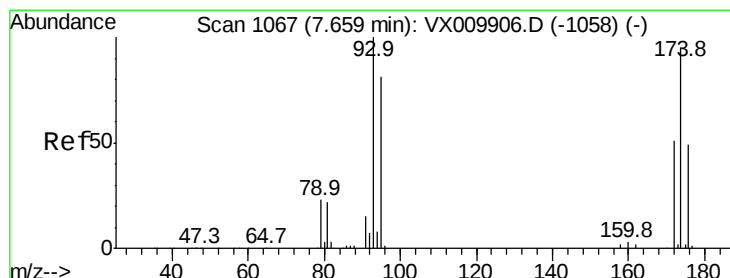
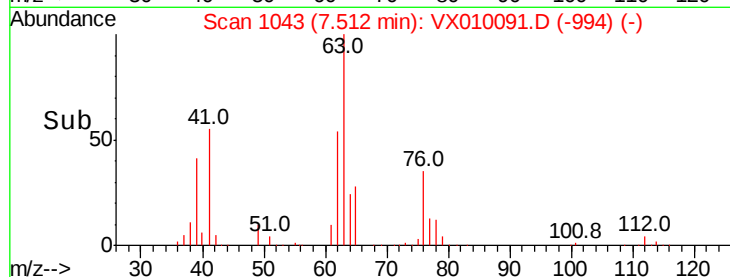
0

7.40

7.50

7.60

Time-->



#46

Dibromomethane

Concen: 48.770 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

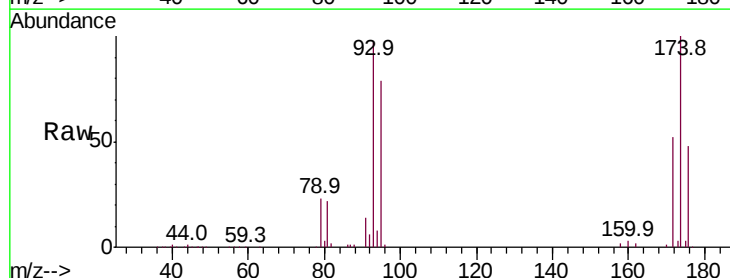
Tgt Ion: 93 Resp: 59539

Ion Ratio Lower Upper

93 100

95 83.5 66.8 100.2

174 107.4 81.9 122.9



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

40000

30000

20000

10000

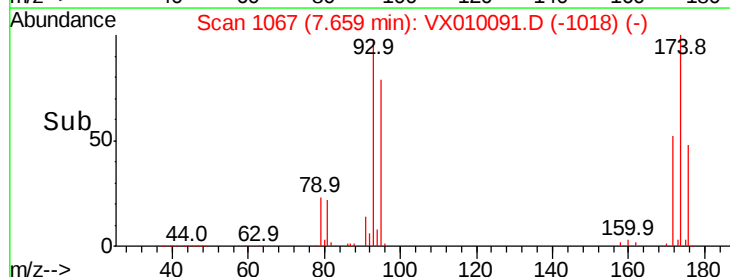
0

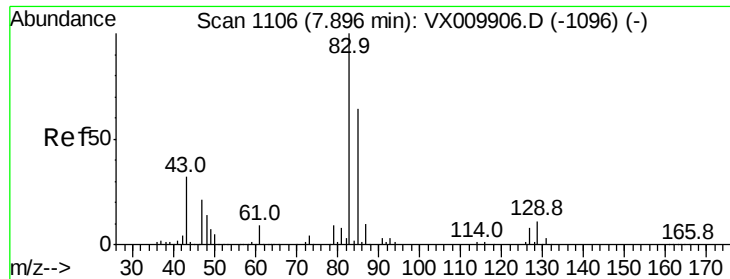
7.60

7.70

7.80

Time-->





#47

Bromodichloromethane

Concen: 52.198 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Instrument :

MSVOA_X

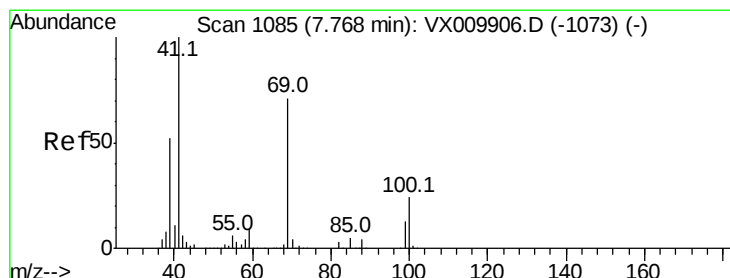
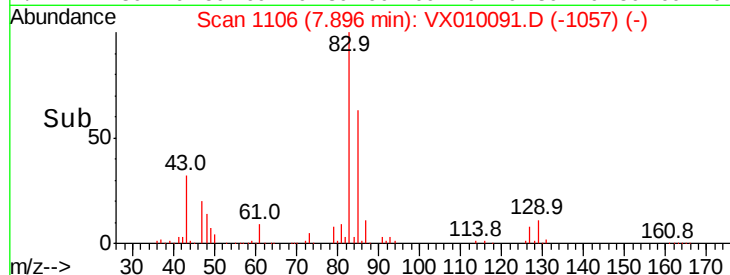
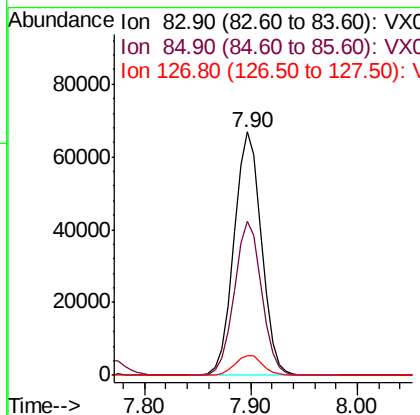
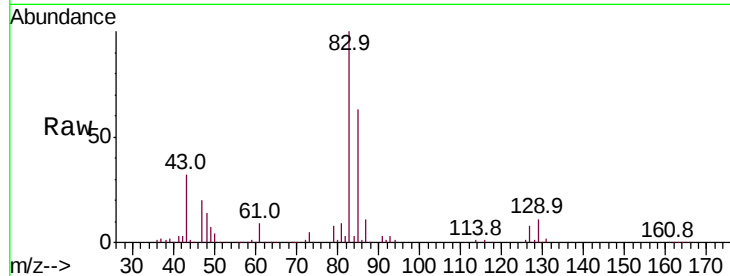
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	121180
Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.4	77.2
127	8.1	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:42 AM



#48

Methyl methacrylate

Concen: 50.781 ug/l

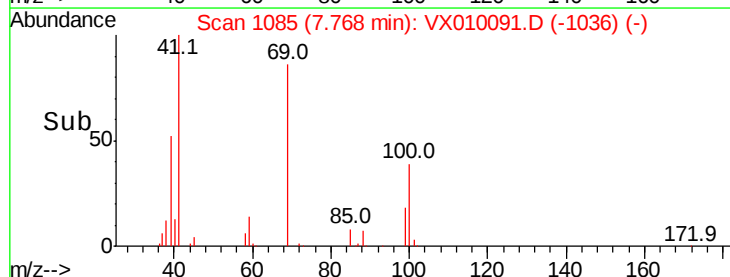
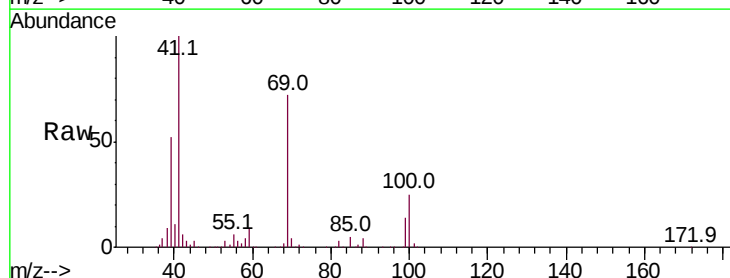
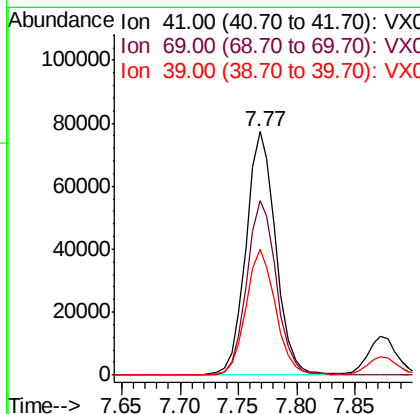
RT: 7.77 min Scan# 1085

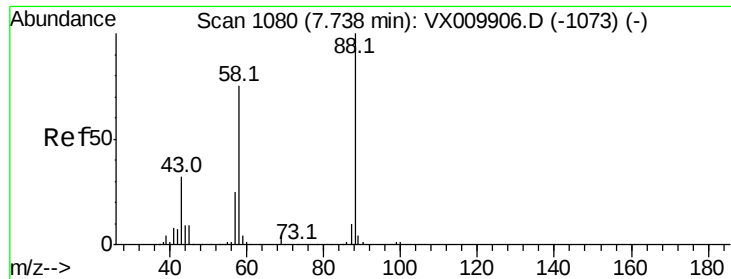
Delta R.T. -0.00 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Tgt Ion:	41	Resp:	137269
Ion	Ratio	Lower	Upper
41	100		
69	72.2	56.4	84.6
39	51.5	40.6	60.8





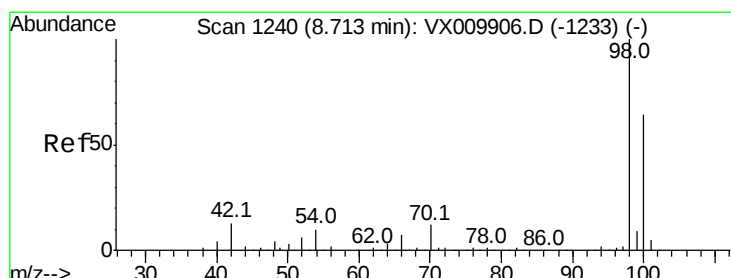
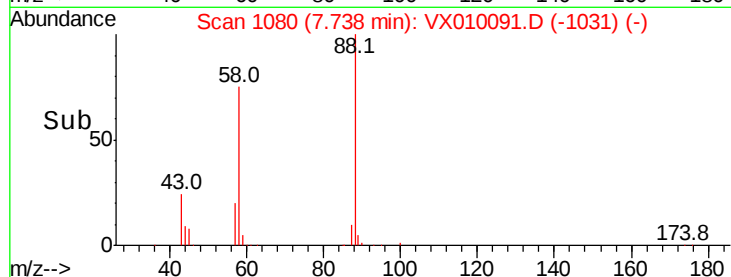
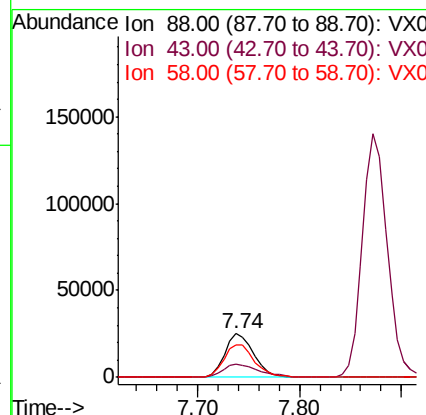
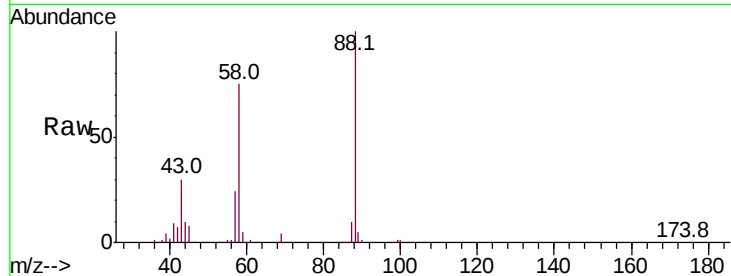
#49
1,4-Dioxane
Concen: 995.048 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.7	30.2	45.4
58	78.6	64.0	96.0

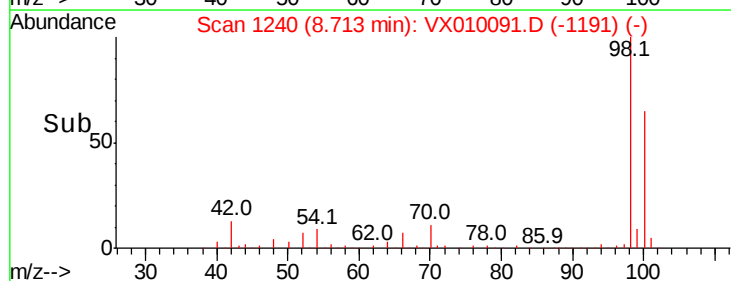
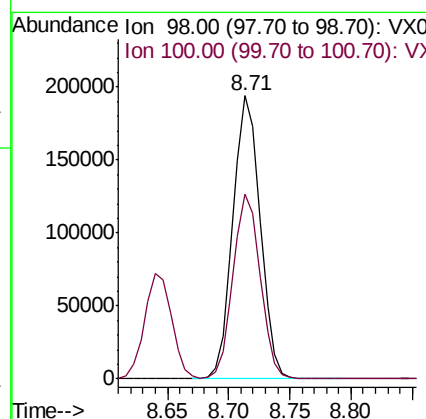
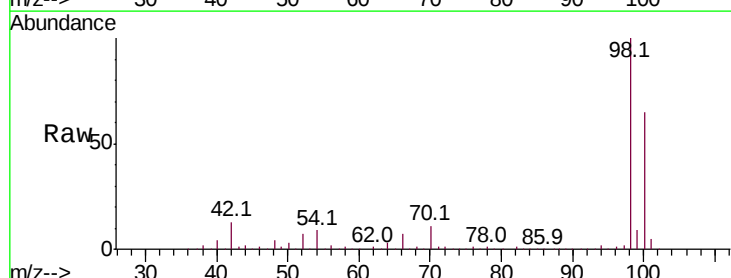
Manual Integrations
APPROVED

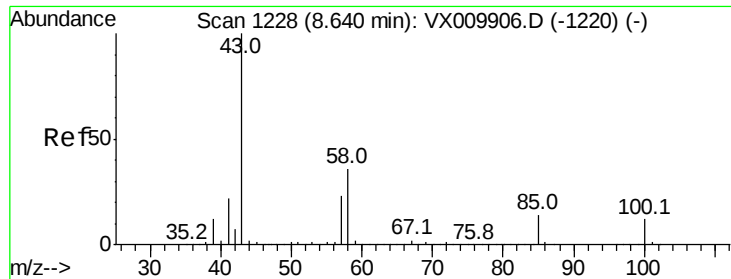
MMDadoda
6/6/2019 9:32:42 AM



#50
Toluene-d8
Concen: 49.026 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 253.744 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 901332

Ion Ratio Lower Upper

43 100

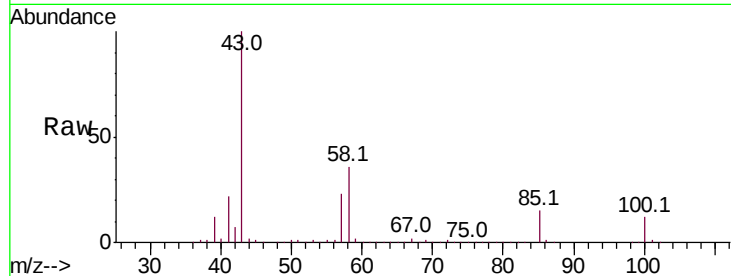
58 36.4 28.8 43.2

Manual Integrations

APPROVED

MMDadoda

6/6/2019 9:32:42 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

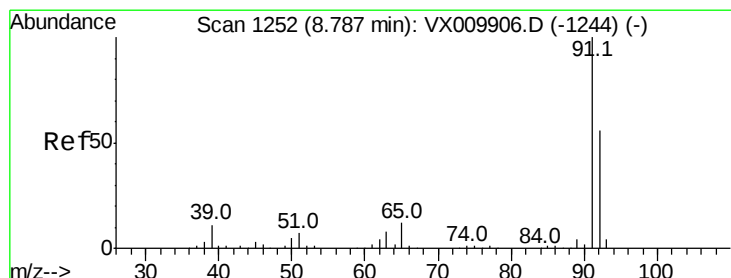
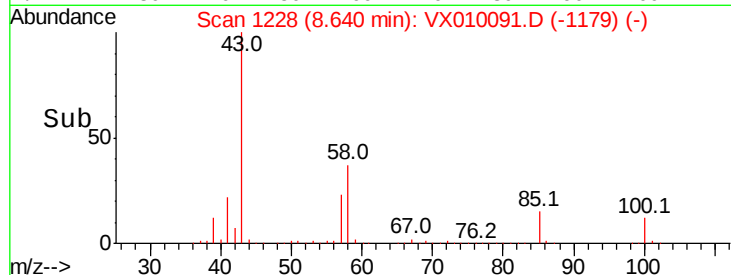
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.662 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX010091.D

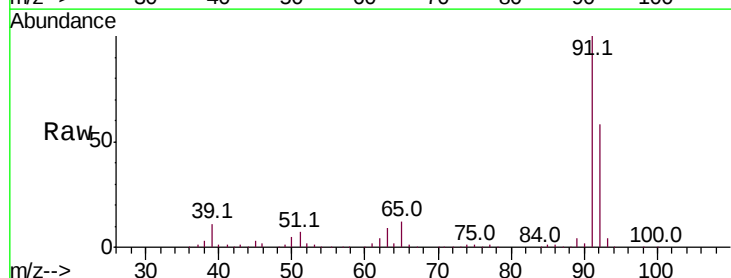
Acq: 05 Jun 2019 20:45

Tgt Ion: 92 Resp: 225995

Ion Ratio Lower Upper

92 100

91 173.4 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

250000

200000

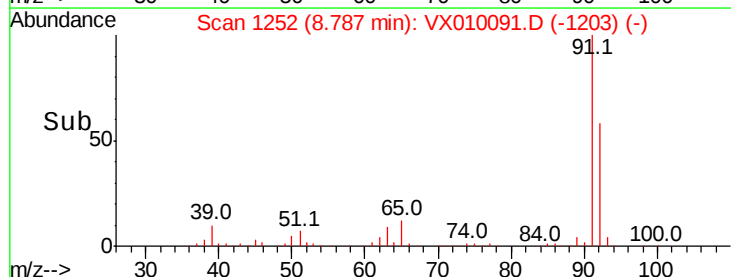
150000

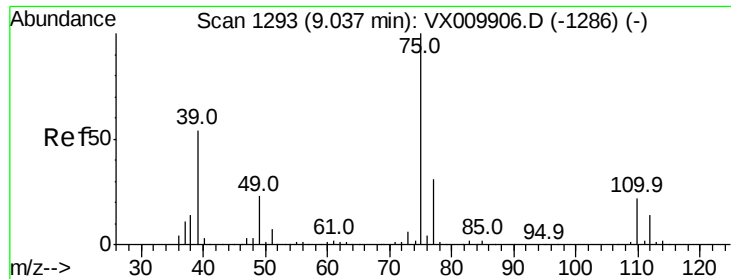
100000

50000

0

Time-->





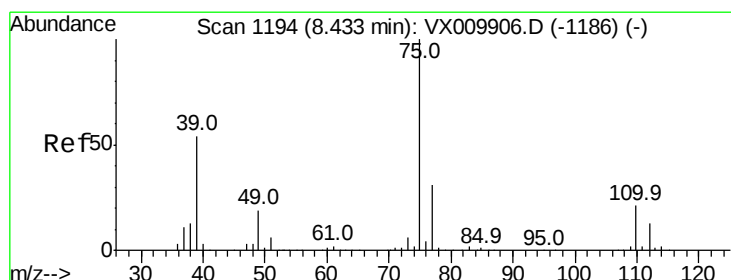
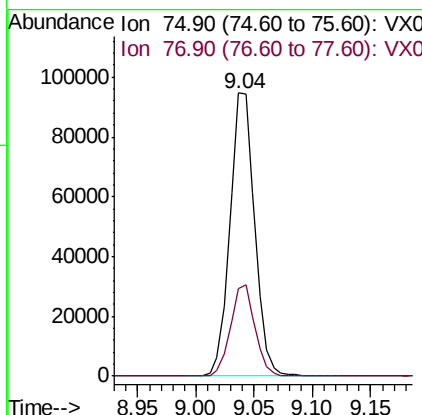
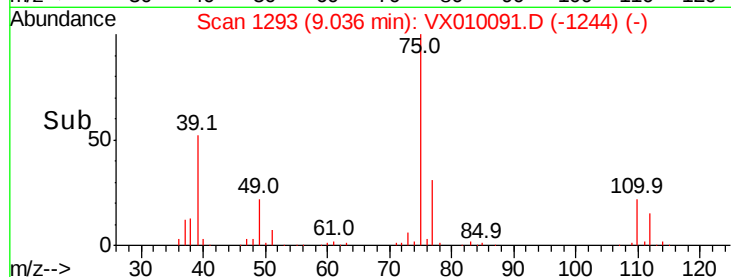
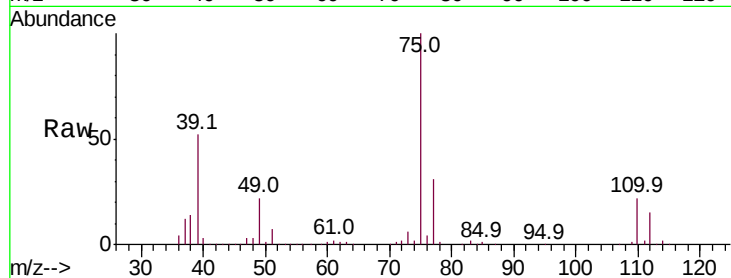
#53
t-1,3-Dichloropropene
Concen: 50.410 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 140353
Ion Ratio Lower Upper
75 100
77 31.1 24.6 36.8

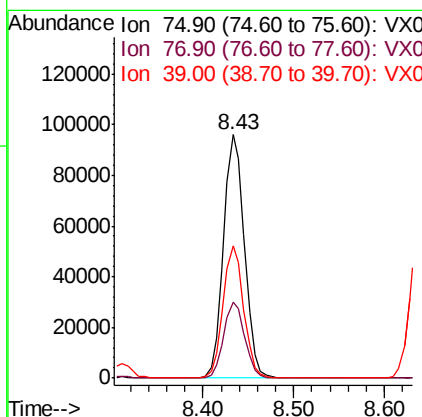
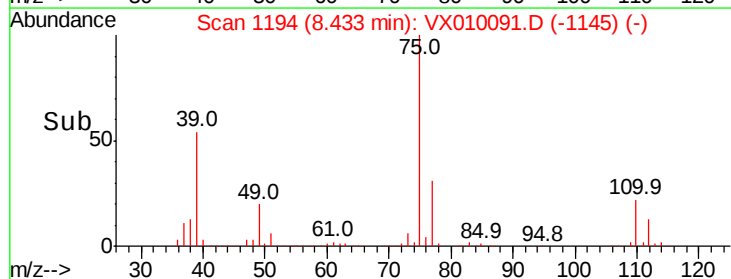
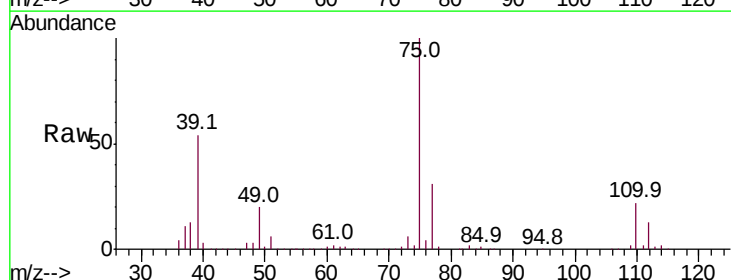
Manual Integrations
APPROVED

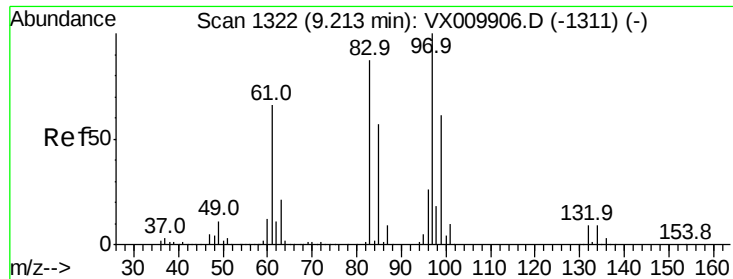
MMDadoda
6/6/2019 9:32:42 AM



#54
cis-1,3-Dichloropropene
Concen: 50.802 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Tgt Ion: 75 Resp: 154110
Ion Ratio Lower Upper
75 100
77 31.4 24.8 37.2
39 54.4 43.4 65.0





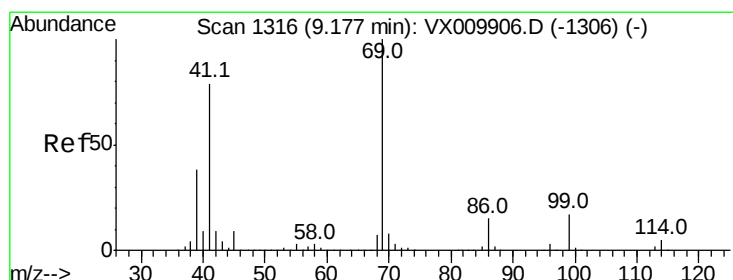
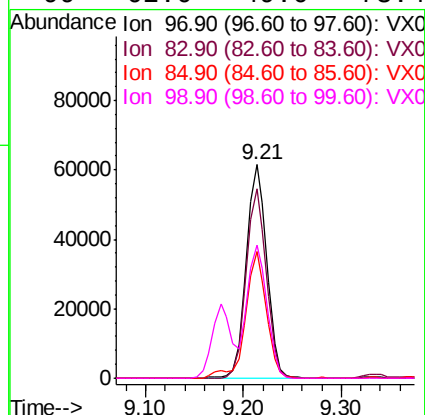
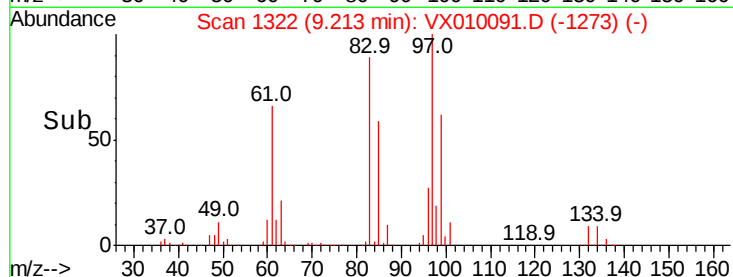
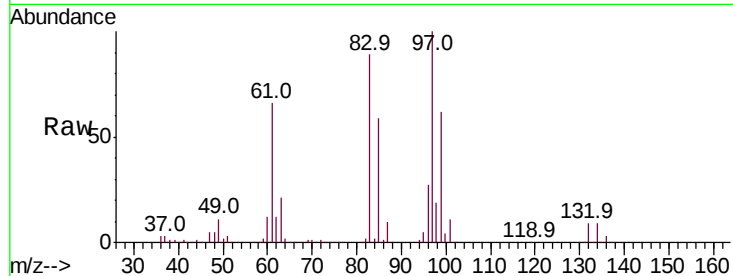
#55
 1,1,2-Trichloroethane
 Concen: 51.053 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010091.D
 Acq: 05 Jun 2019 20:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	89887
Ion	Ratio	Lower	Upper
97	100		
83	88.9	69.8	104.8
85	59.1	45.3	67.9
99	62.0	49.0	73.4

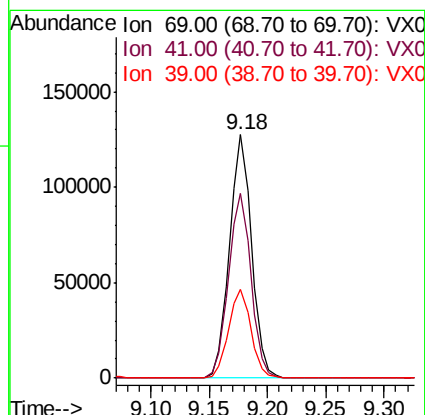
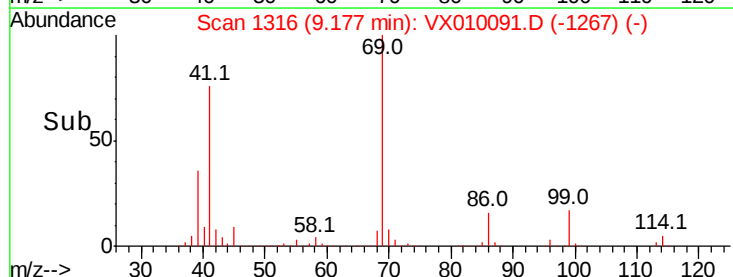
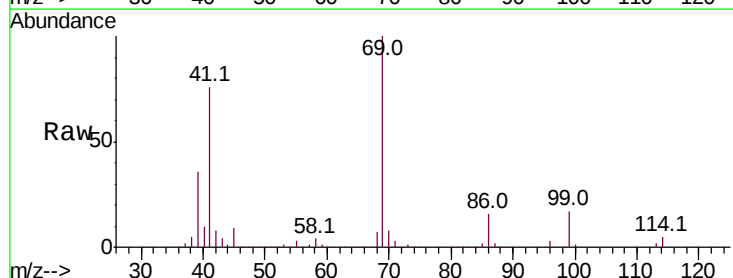
Manual Integrations
 APPROVED

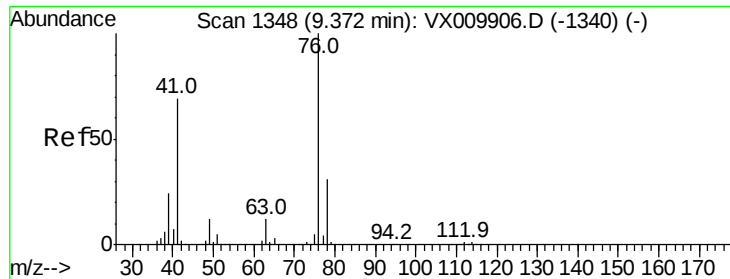
MMDadoda
 6/6/2019 9:32:42 AM



#56
 Ethyl methacrylate
 Concen: 53.742 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010091.D
 Acq: 05 Jun 2019 20:45

Tgt Ion:	69	Resp:	168458
Ion	Ratio	Lower	Upper
69	100		
41	77.2	62.7	94.1
39	36.6	29.5	44.3





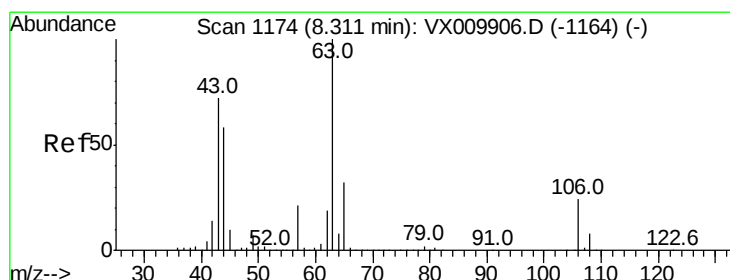
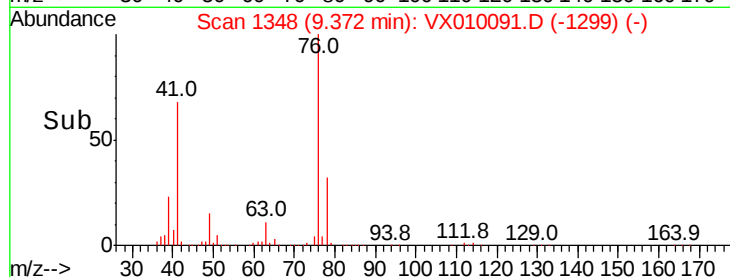
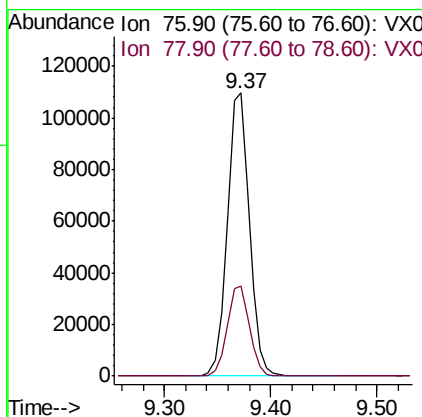
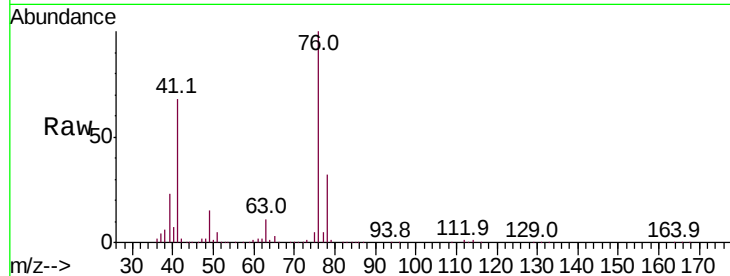
#57
 1,3-Dichloropropane
 Concen: 50.424 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX010091.D
 Acq: 05 Jun 2019 20:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 159439
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.4 38.0

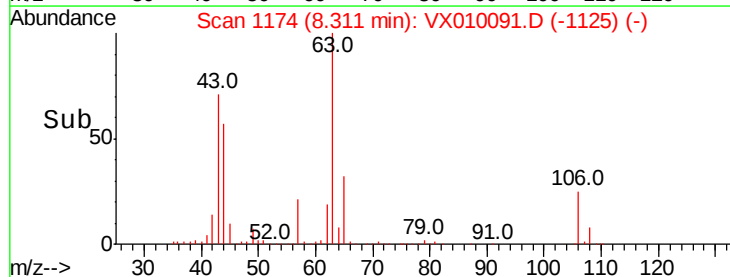
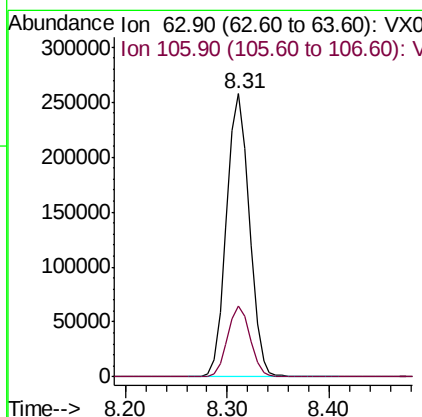
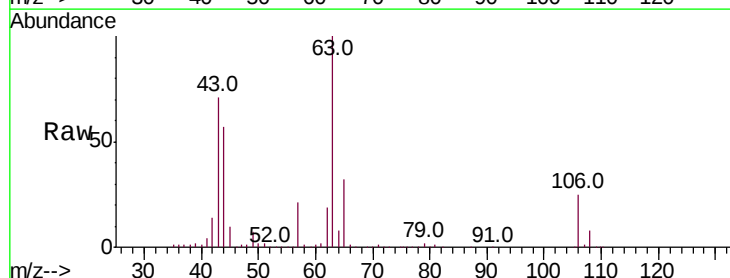
Manual Integrations
 APPROVED

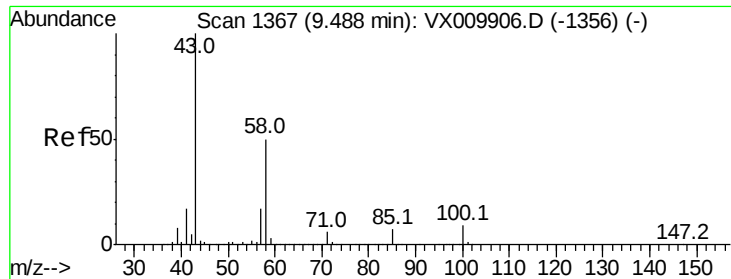
MMDadoda
 6/6/2019 9:32:42 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 244.393 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX010091.D
 Acq: 05 Jun 2019 20:45

Tgt Ion: 63 Resp: 401703
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.4 29.2





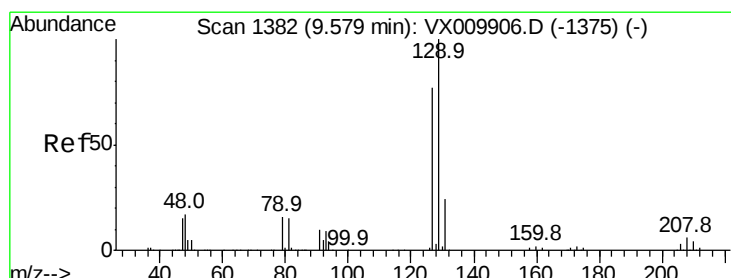
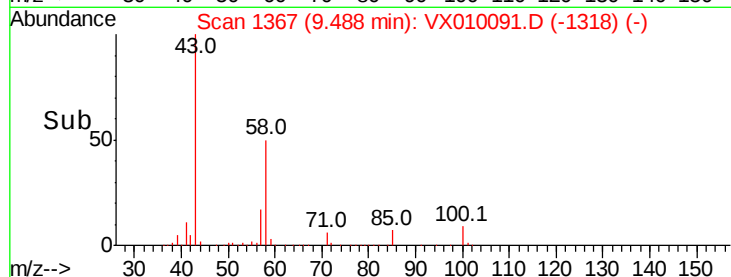
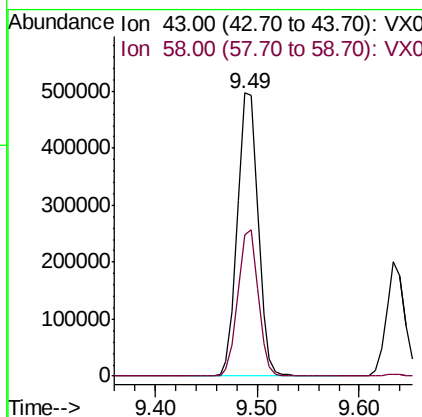
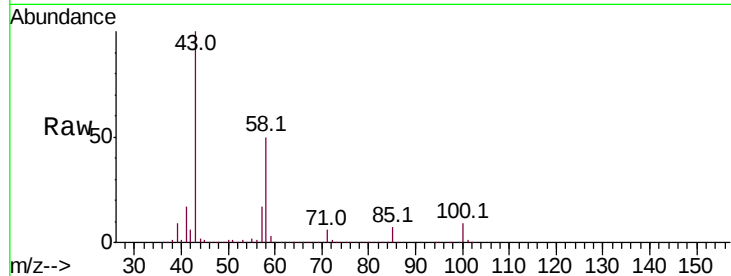
#59
2-Hexanone
Concen: 252.889 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 691599
Ion Ratio Lower Upper
43 100
58 50.8 25.1 75.3

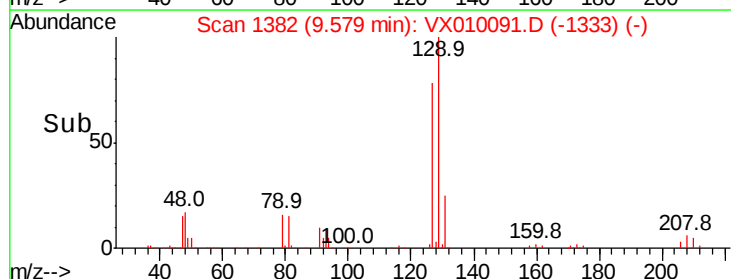
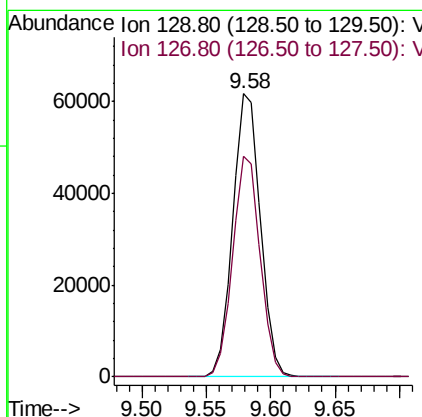
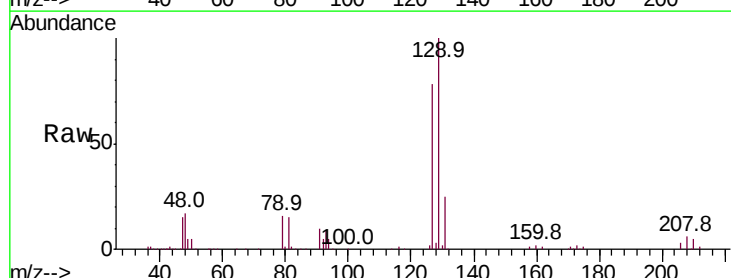
Manual Integrations
APPROVED

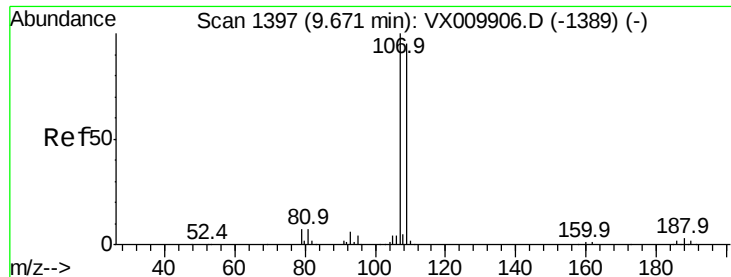
MMDadoda
6/6/2019 9:32:42 AM



#60
Dibromochloromethane
Concen: 53.249 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Tgt Ion: 129 Resp: 92226
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.5





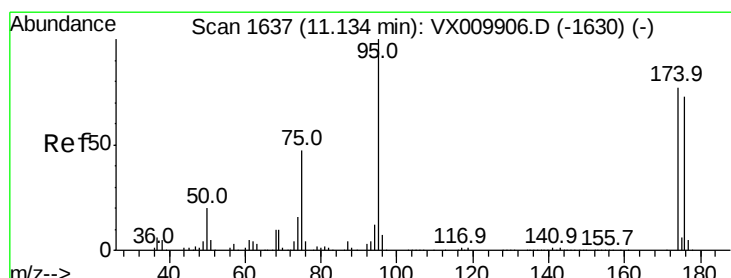
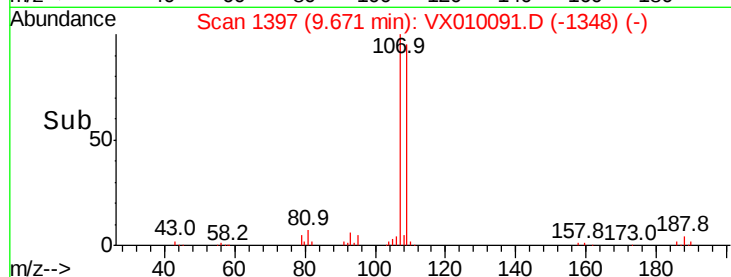
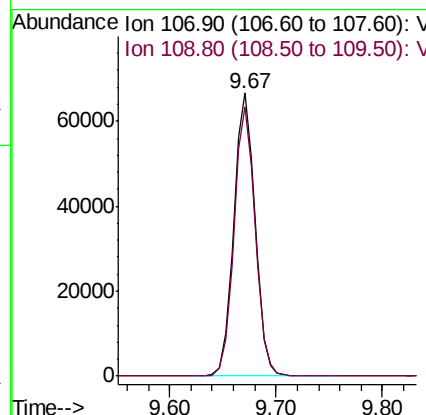
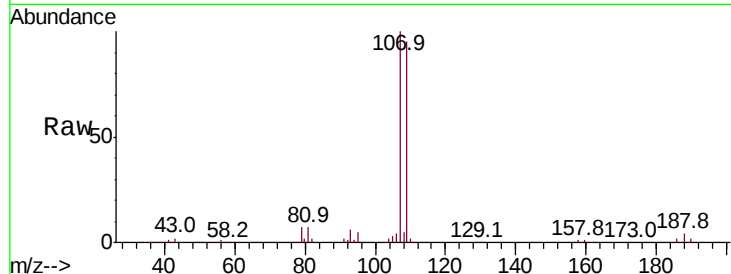
#61
 1,2-Dibromoethane
 Concen: 51.612 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX010091.D
 Acq: 05 Jun 2019 20:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.4	113.2

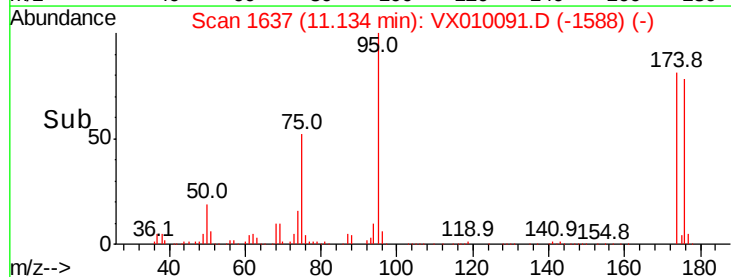
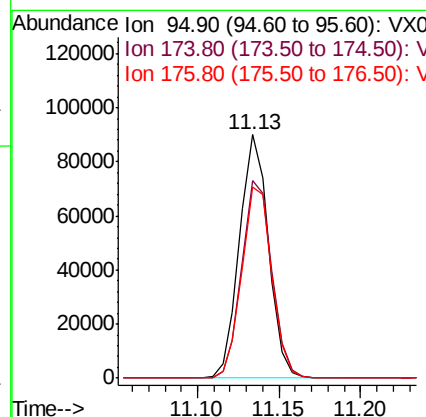
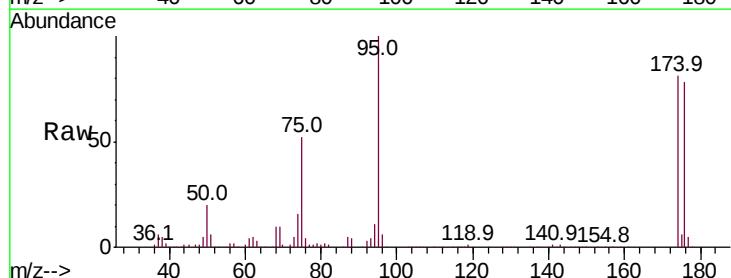
Manual Integrations
 APPROVED

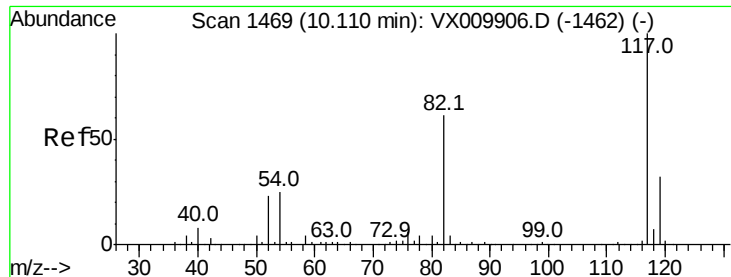
MMDadoda
 6/6/2019 9:32:42 AM



#62
 4-Bromofluorobenzene
 Concen: 50.851 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX010091.D
 Acq: 05 Jun 2019 20:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.6	0.0	160.4
176	81.9	0.0	154.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:117 Resp: 224631

Ion Ratio Lower Upper

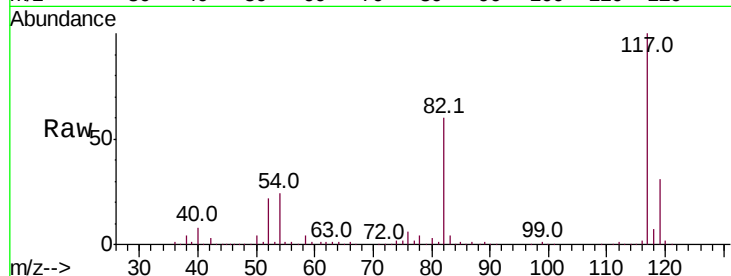
117 100

82 59.8 49.2 73.8

119 31.1 25.2 37.8

Manual Integrations
APPROVED

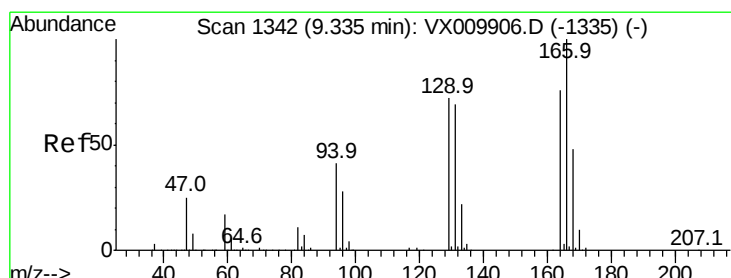
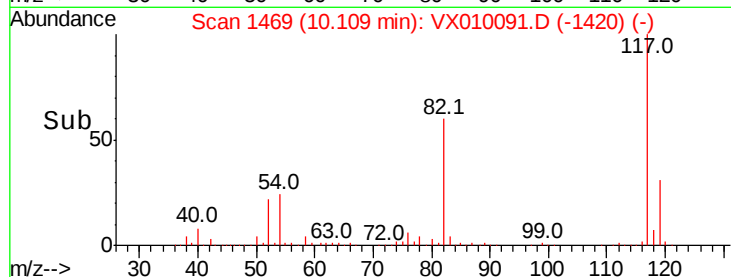
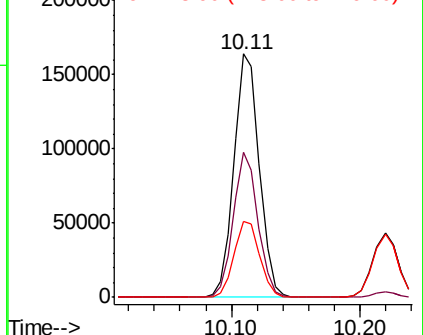
MMDadoda
6/6/2019 9:32:42 AM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 52.683 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Tgt Ion:164 Resp: 82662

Ion Ratio Lower Upper

164 100

166 130.5 105.0 157.4

129 91.7 75.1 112.7

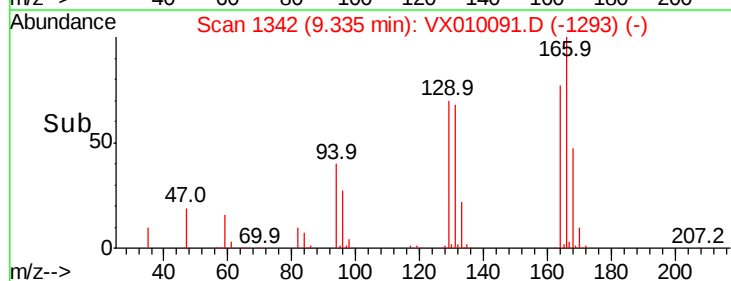
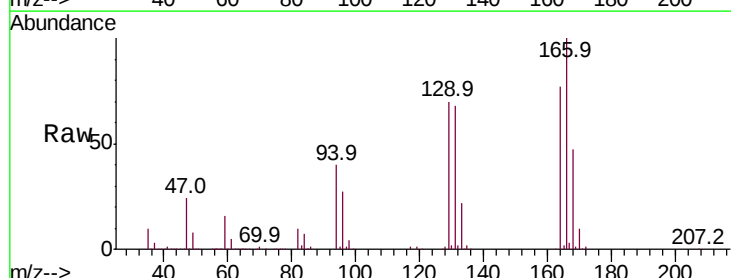
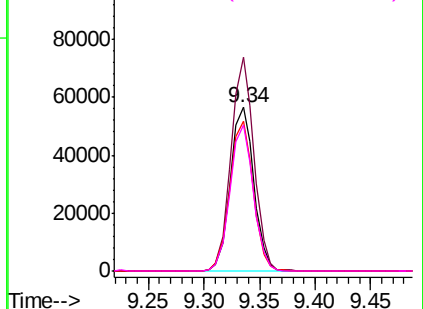
131 88.9 72.2 108.4

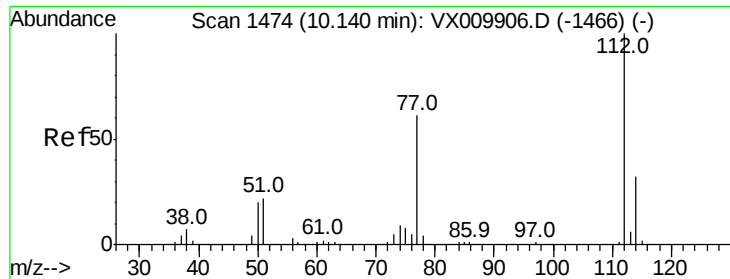
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





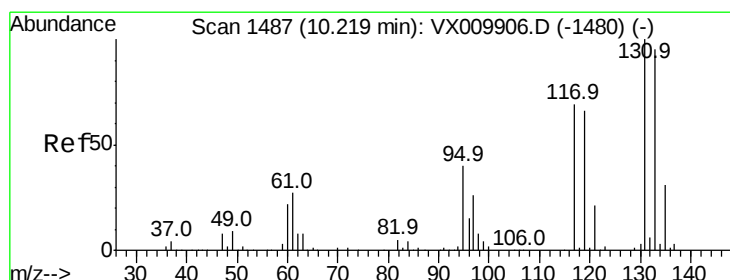
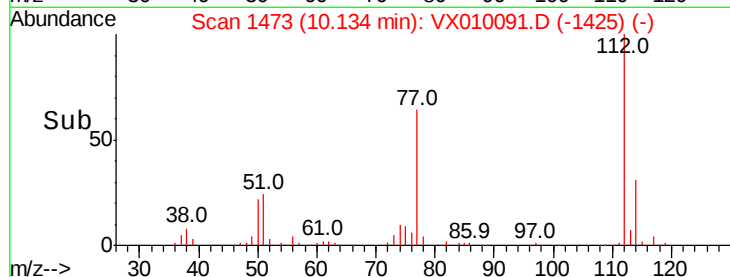
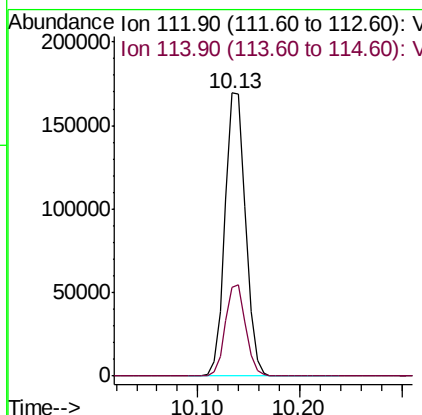
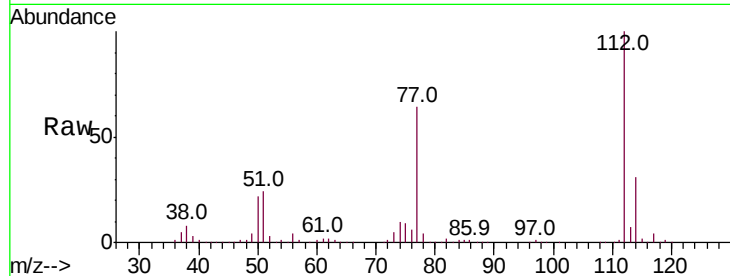
#65
Chlorobenzene
Concen: 50.343 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 236745
Ion Ratio Lower Upper
112 100
114 31.3 25.8 38.8

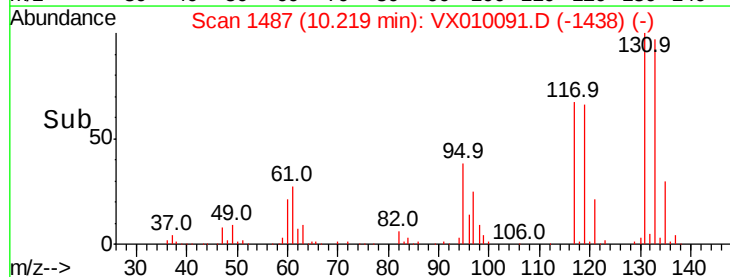
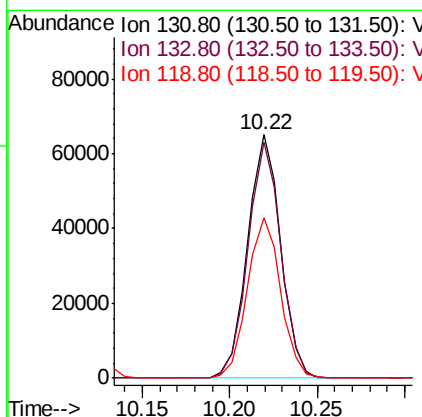
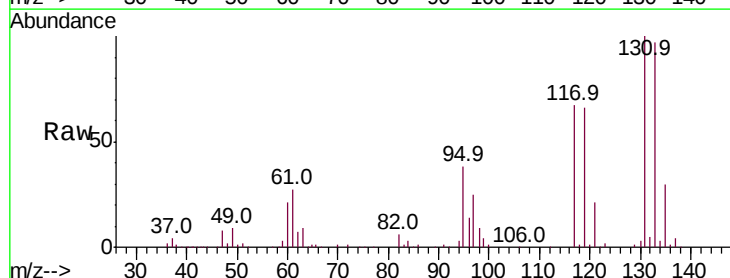
Manual Integrations
APPROVED

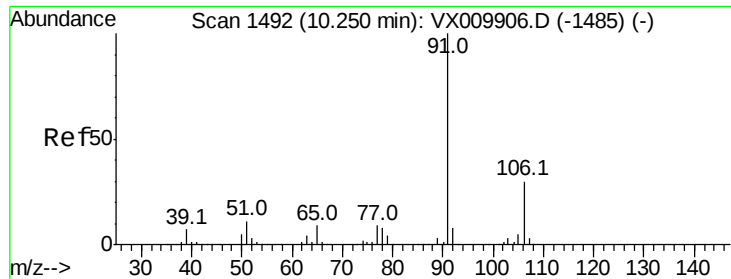
MMDadoda
6/6/2019 9:32:42 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.235 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Tgt Ion:131 Resp: 85199
Ion Ratio Lower Upper
131 100
133 96.5 47.5 142.6
119 66.7 33.4 100.1





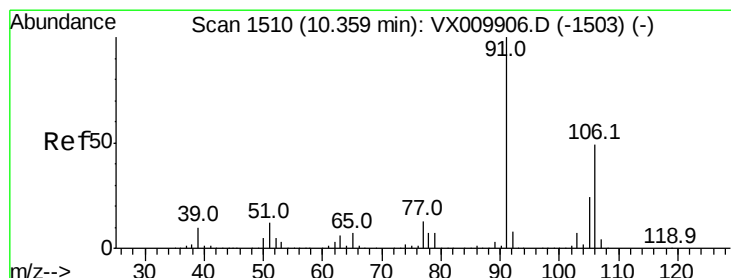
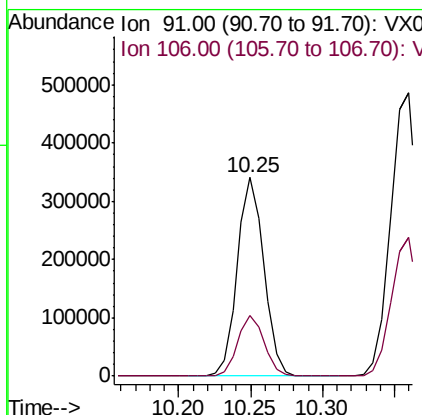
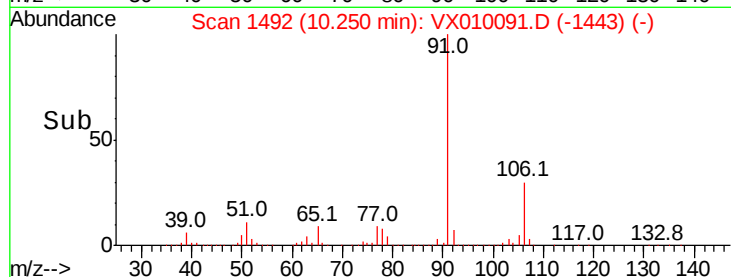
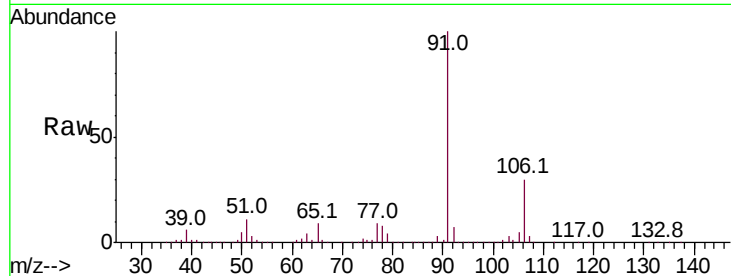
#67
Ethyl Benzene
Concen: 52.010 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 439158
Ion Ratio Lower Upper
91 100
106 30.4 23.9 35.9

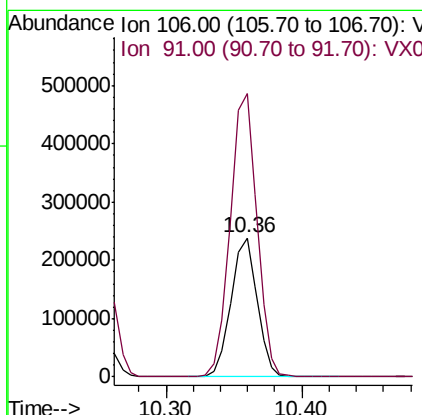
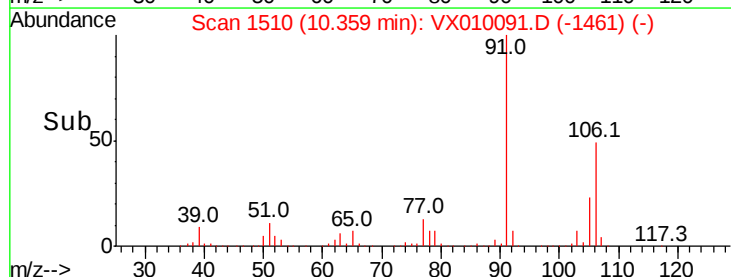
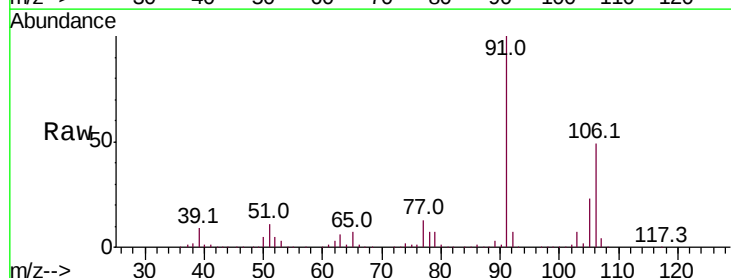
Manual Integrations
APPROVED

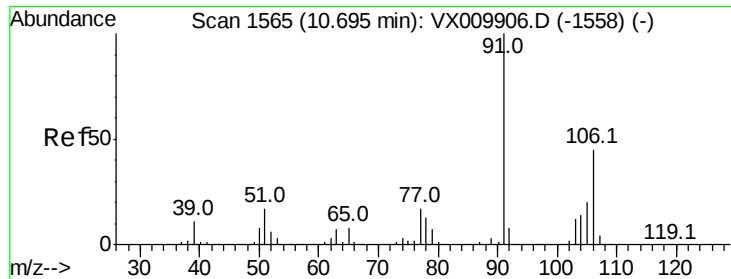
MMDadoda
6/6/2019 9:32:42 AM



#68
m/p-Xylenes
Concen: 102.610 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Tgt Ion: 106 Resp: 320083
Ion Ratio Lower Upper
106 100
91 208.1 167.3 250.9





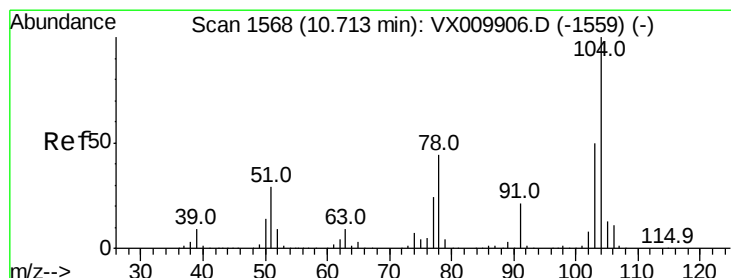
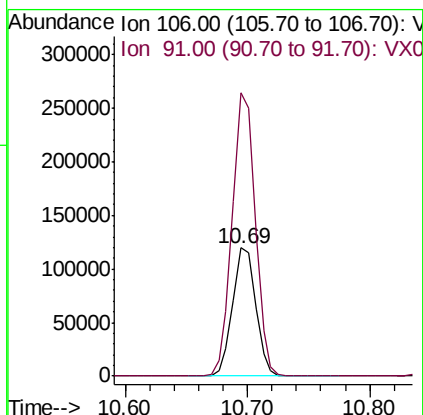
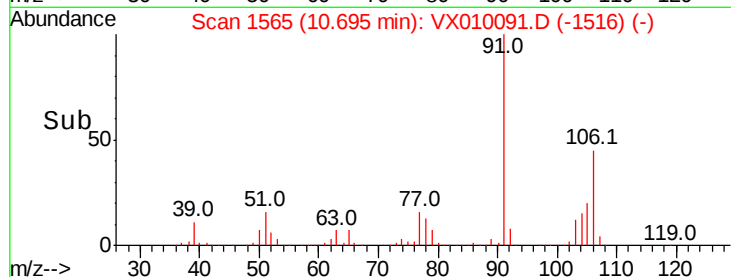
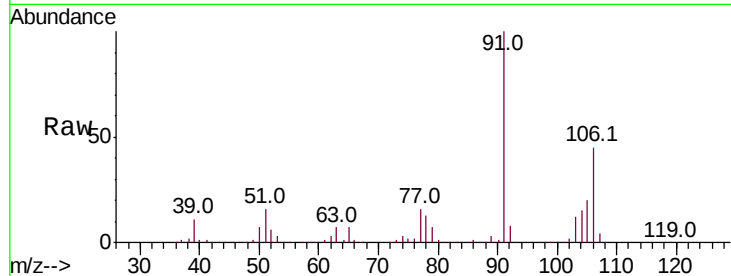
#69
o-Xylene
Concen: 52.385 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 156718
Ion Ratio Lower Upper
106 100
91 219.3 110.4 331.2

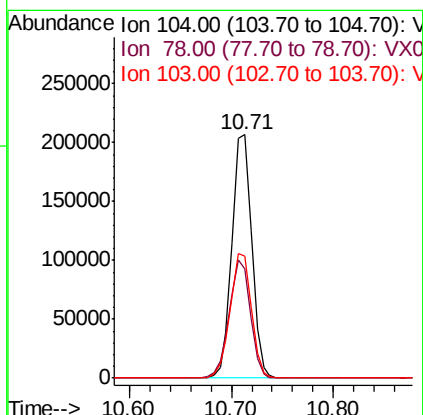
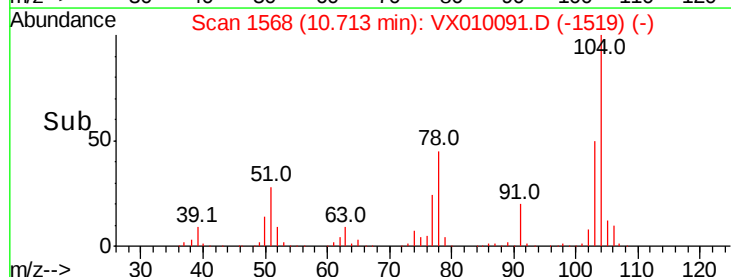
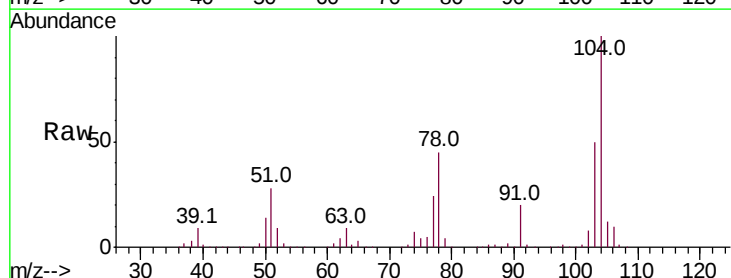
Manual Integrations
APPROVED

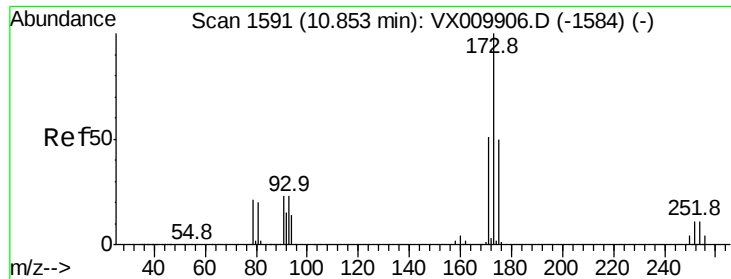
MMDadoda
6/6/2019 9:32:42 AM



#70
Styrene
Concen: 52.647 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Tgt Ion:104 Resp: 276181
Ion Ratio Lower Upper
104 100
78 52.1 42.1 63.1
103 55.1 44.1 66.1





#71

Bromoform

Concen: 55.234 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 73642

Ion Ratio Lower Upper

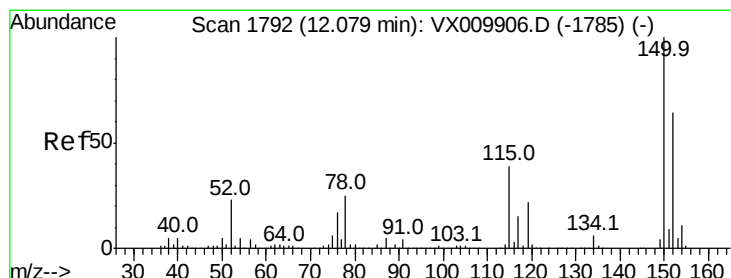
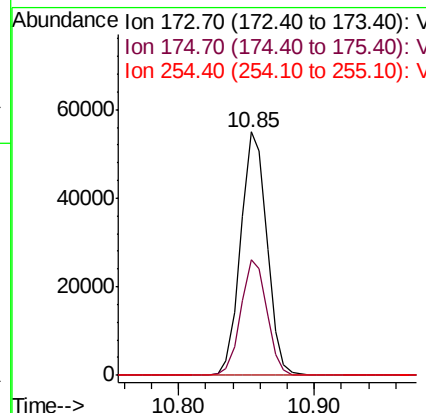
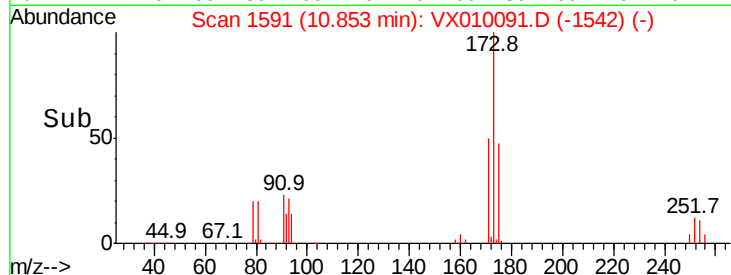
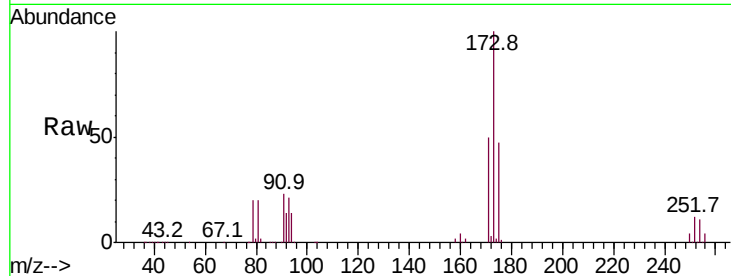
173 100

175 47.0 25.0 75.0

254 0.1 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:42 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

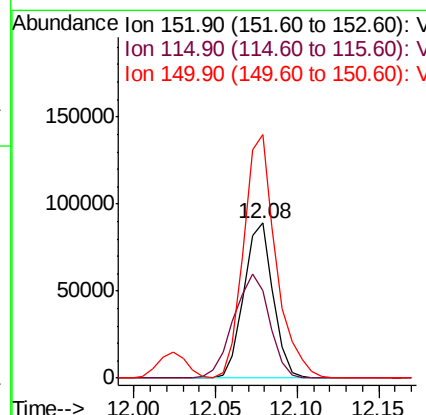
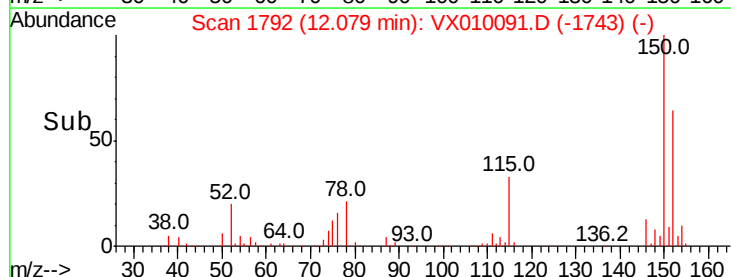
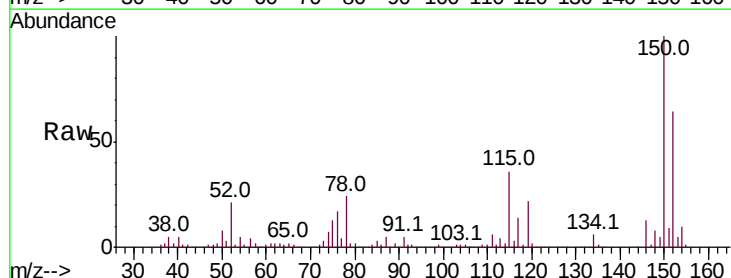
Tgt Ion:152 Resp: 110996

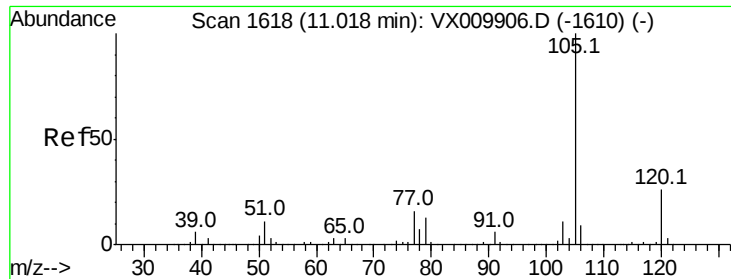
Ion Ratio Lower Upper

152 100

115 82.4 41.4 124.2

150 173.5 0.0 345.2





#73

Isopropylbenzene

Concen: 50.823 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 416221

Ion Ratio Lower Upper

105 100

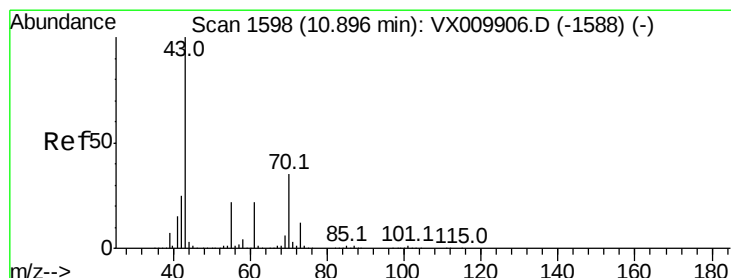
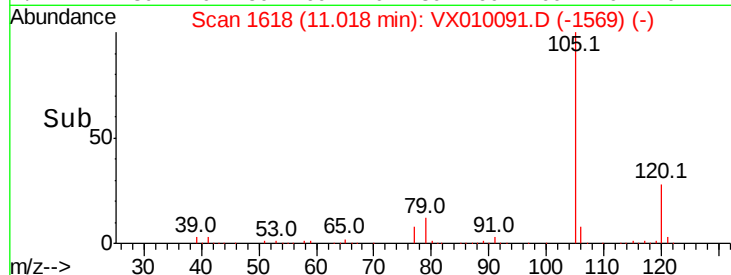
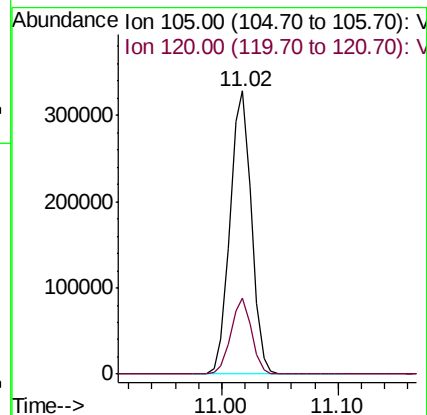
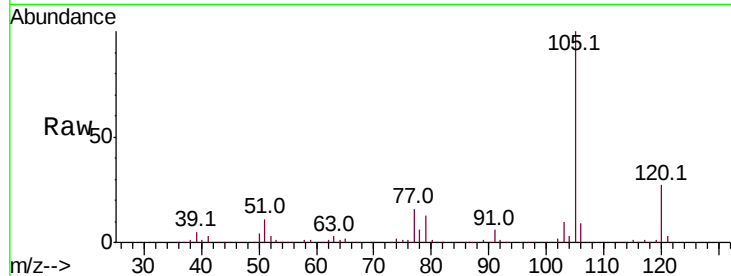
120 26.0 12.8 38.4

Manual Integrations

APPROVED

MMDadoda

6/6/2019 9:32:42 AM



#74

N-ethyl acetate

Concen: 49.808 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Tgt Ion: 43 Resp: 243743

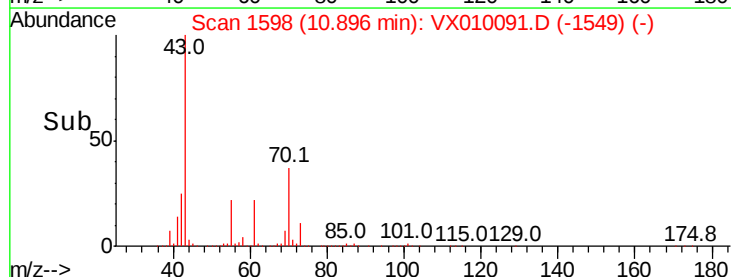
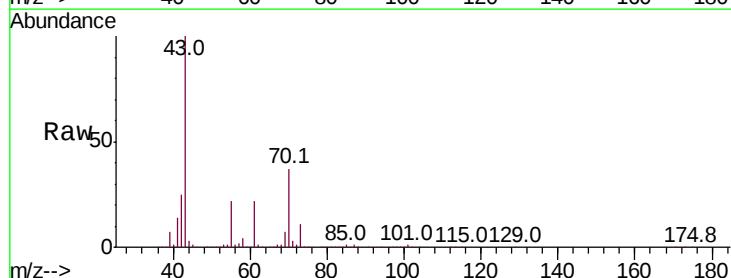
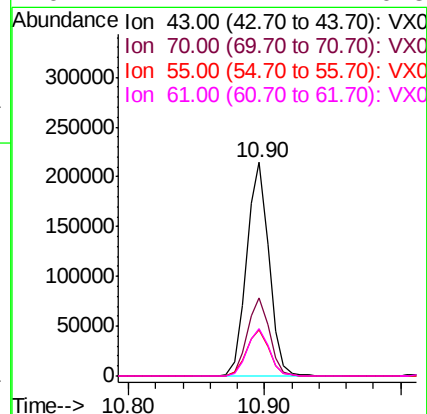
Ion Ratio Lower Upper

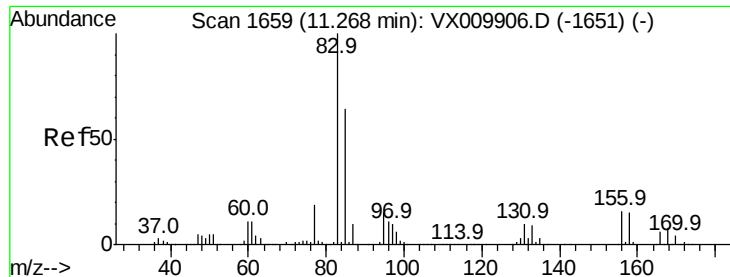
43 100

70 36.5 28.6 43.0

55 22.0 17.8 26.8

61 22.1 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.812 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Instrument :

MSVOA_X

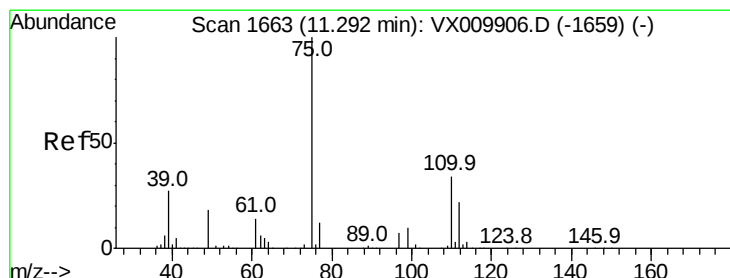
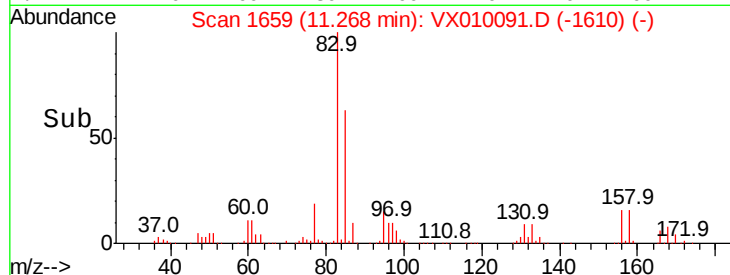
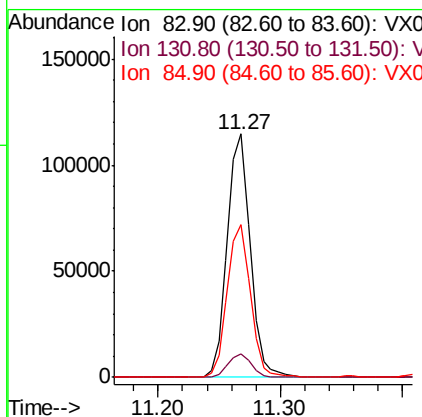
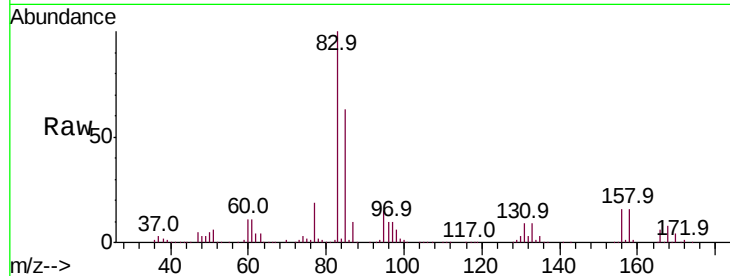
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	149134
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.7	14.1
85	63.7	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:42 AM



#76

1,2,3-Trichloropropane

Concen: 49.406 ug/l m

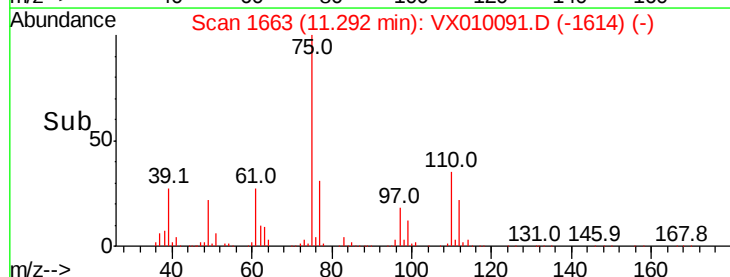
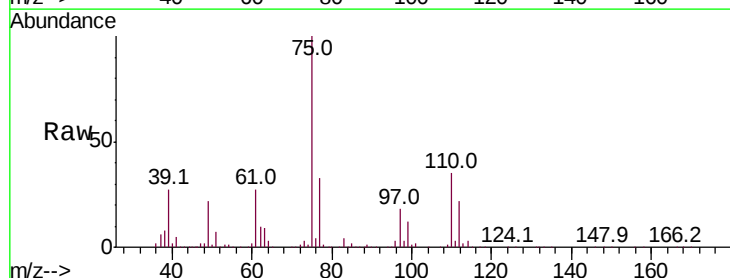
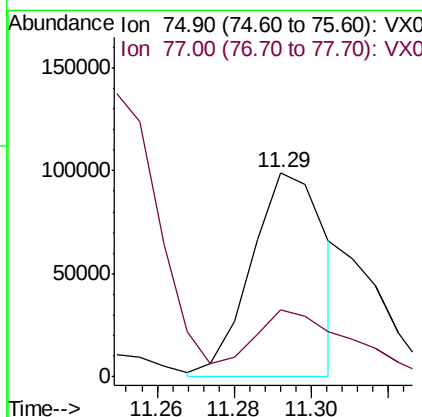
RT: 11.29 min Scan# 1663

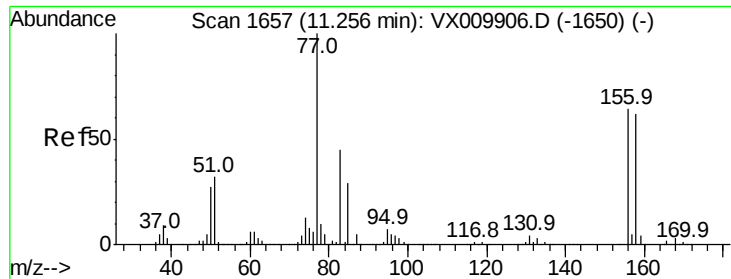
Delta R.T. -0.00 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Tgt Ion:	75	Resp:	131137
Ion Ratio	Lower	Upper	
75	100		
77	43.4	22.1	66.1





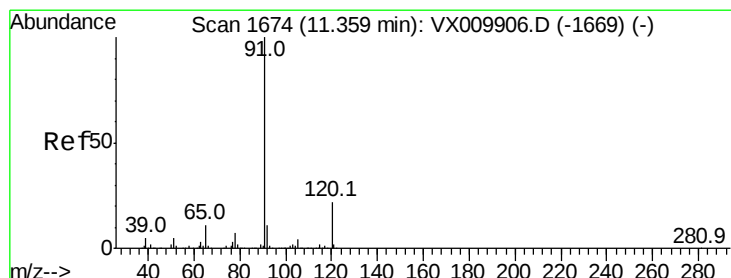
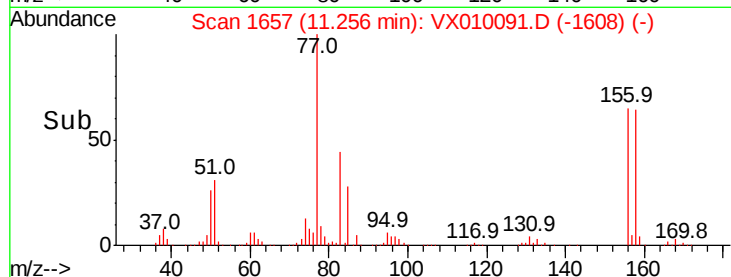
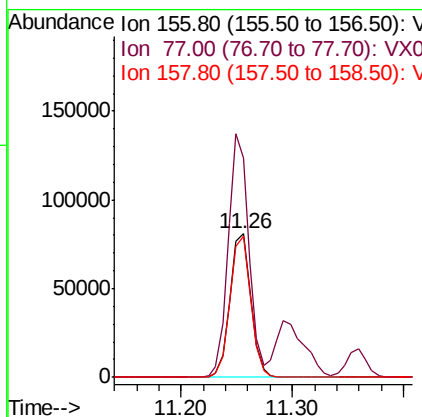
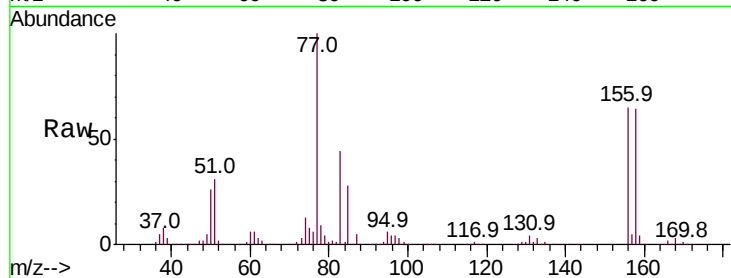
#77
Bromobenzene
Concen: 50.474 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	165.9	86.8	260.3
158	97.5	49.6	148.8

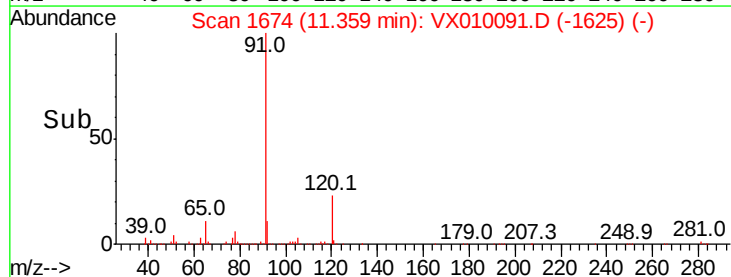
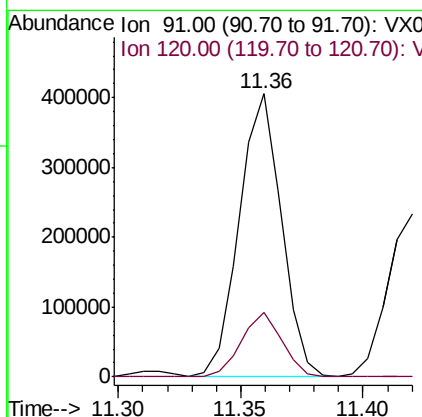
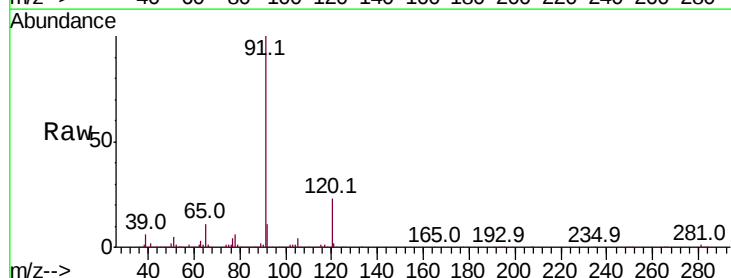
Manual Integrations
APPROVED

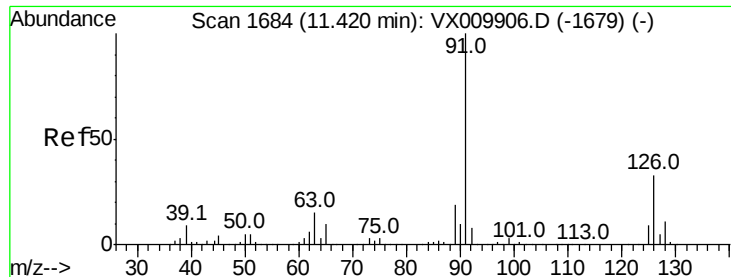
MMDadoda
6/6/2019 9:32:42 AM



#78
n-propylbenzene
Concen: 51.316 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.3





#79

2-Chlorotoluene

Concen: 49.667 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 286451

Ion Ratio Lower Upper

91 100

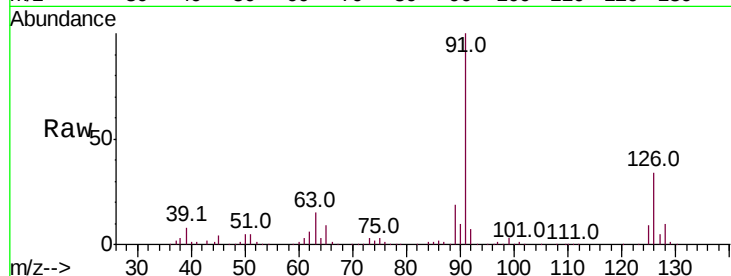
126 33.1 16.1 48.3

Manual Integrations

APPROVED

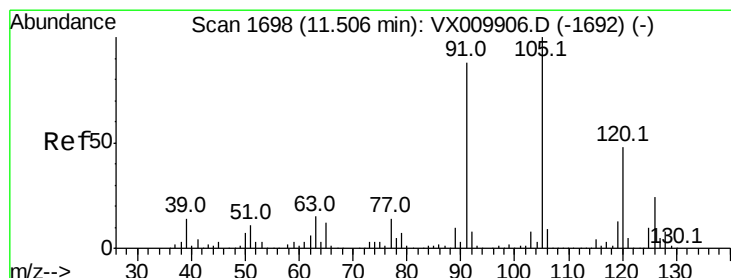
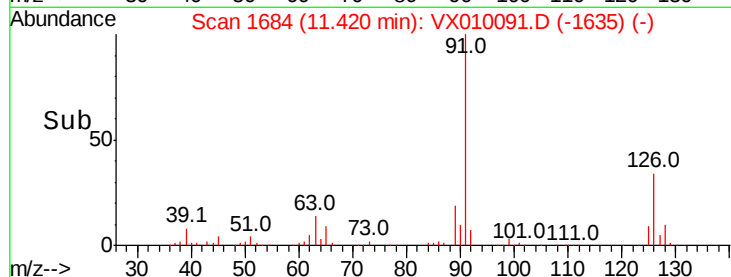
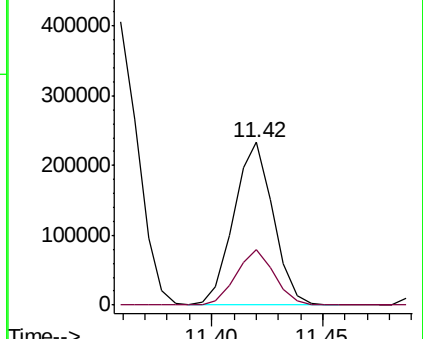
MMDadoda

6/6/2019 9:32:42 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.364 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010091.D

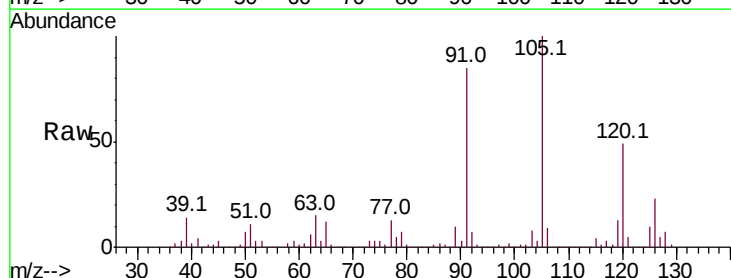
Acq: 05 Jun 2019 20:45

Tgt Ion:105 Resp: 354377

Ion Ratio Lower Upper

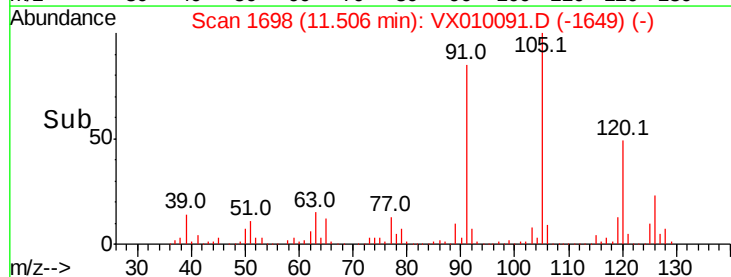
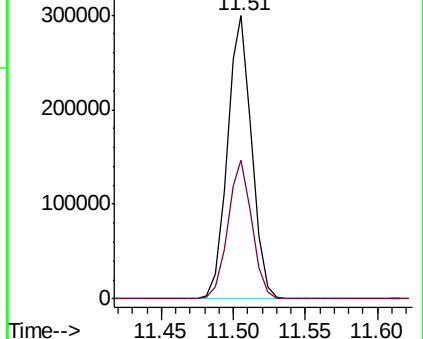
105 100

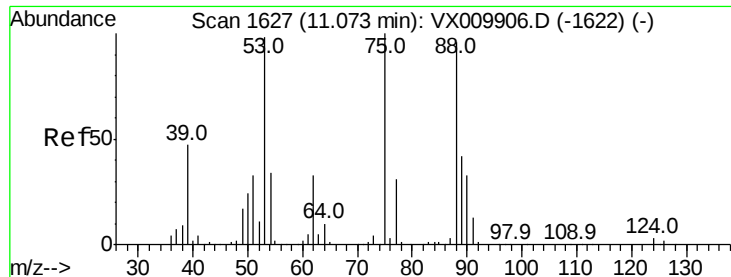
120 48.5 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.532 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 52065

Ion Ratio Lower Upper

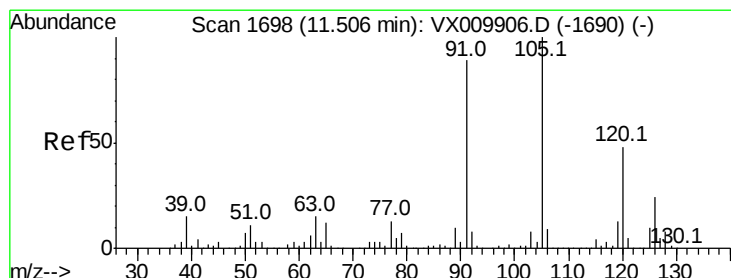
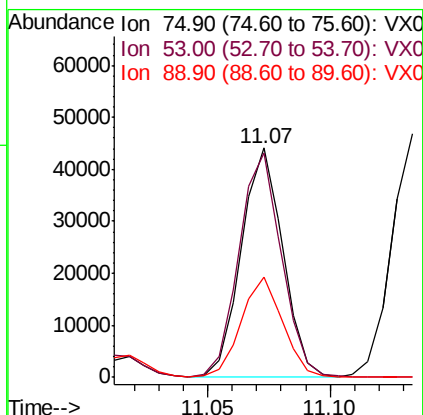
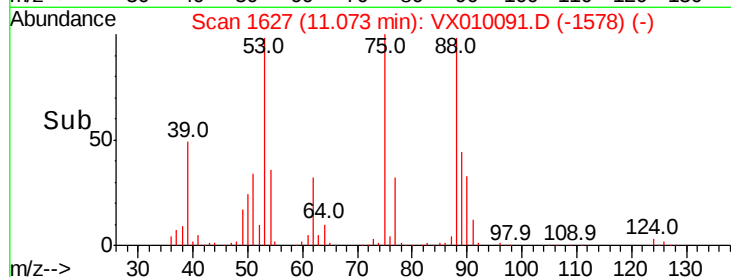
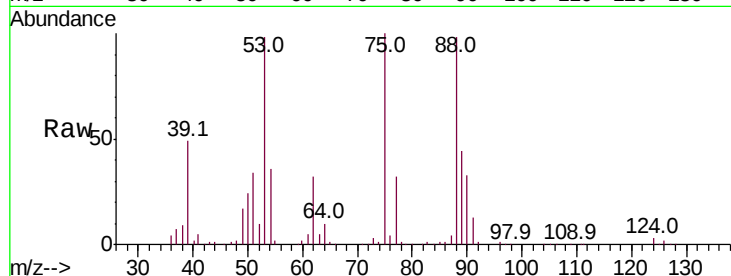
75 100

53 100.2 79.8 119.6

89 44.2 34.2 51.4

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:42 AM



#82

4-Chlorotoluene

Concen: 49.730 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010091.D

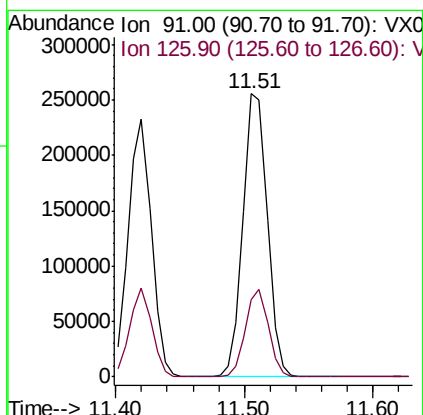
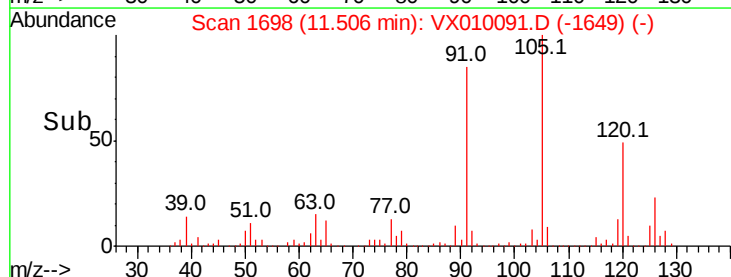
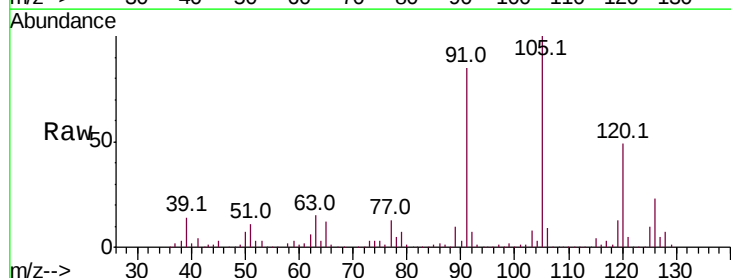
Acq: 05 Jun 2019 20:45

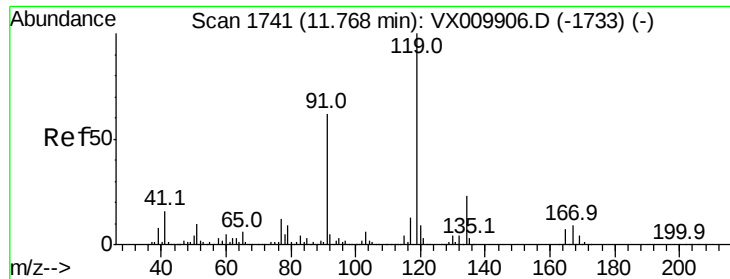
Tgt Ion: 91 Resp: 333881

Ion Ratio Lower Upper

91 100

126 29.3 14.2 42.6





#83

tert-Butylbenzene

Concen: 51.661 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Instrument :

MSVOA_X

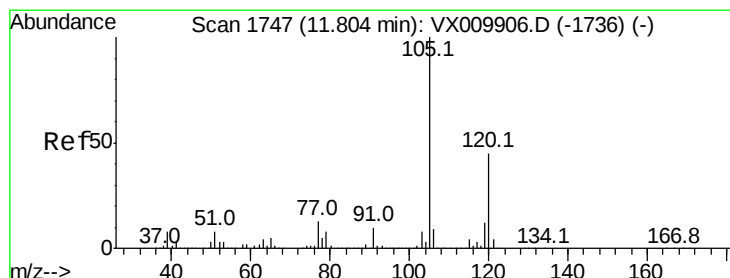
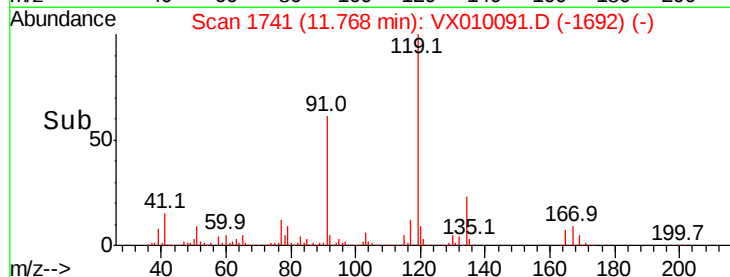
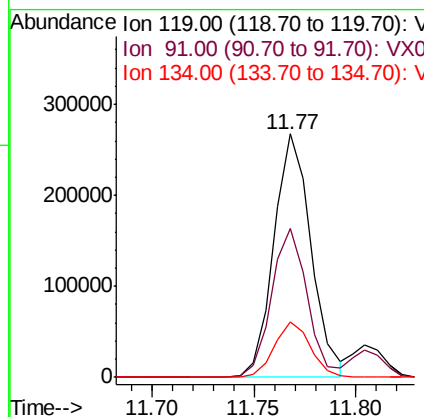
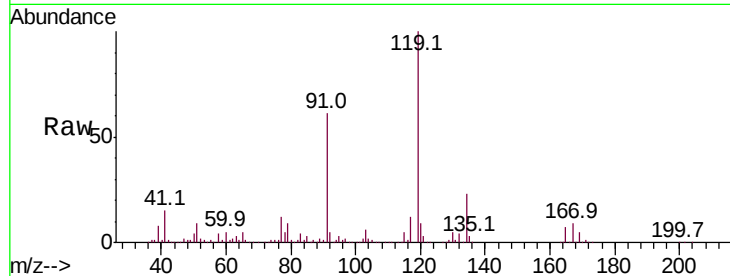
ClientSampled :

VSTDCCC050EC

Tot Ion:	119	Resp:	340995
Ion Ratio	Lower	Upper	
119	100		
91	58.8	30.0	90.0
134	22.1	11.2	33.5

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:42 AM



#84

1,2,4-Trimethylbenzene

Concen: 50.889 ug/l

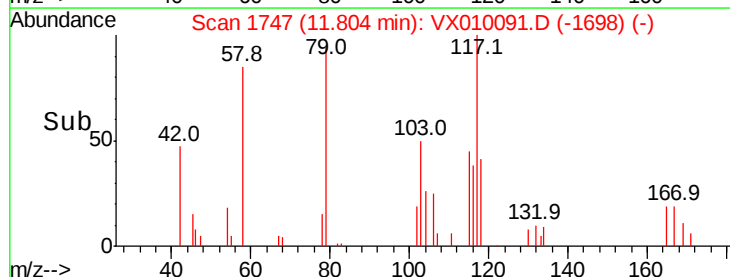
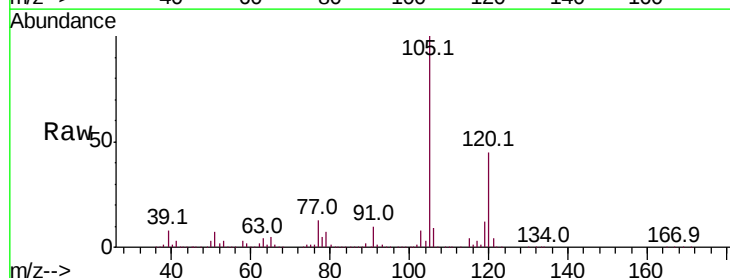
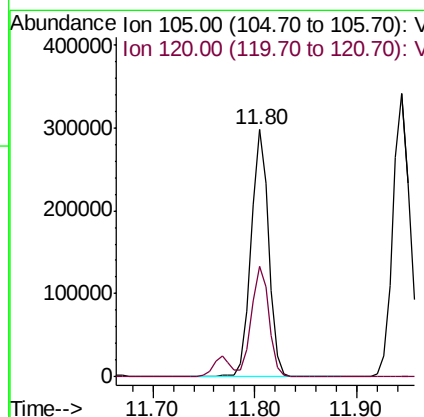
RT: 11.80 min Scan# 1747

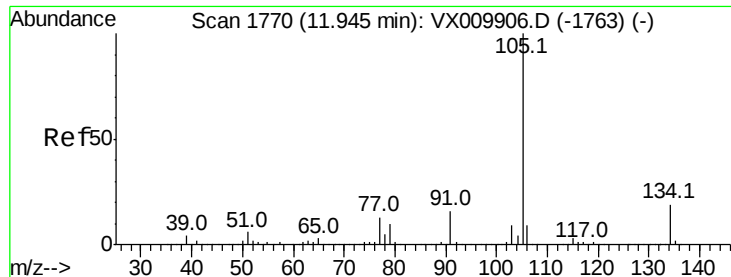
Delta R.T. -0.00 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Tgt Ion:	105	Resp:	356563
Ion Ratio	Lower	Upper	
105	100		
120	44.2	22.1	66.1





#85

sec-Butylbenzene

Concen: 51.103 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 401291

Ion Ratio Lower Upper

105 100

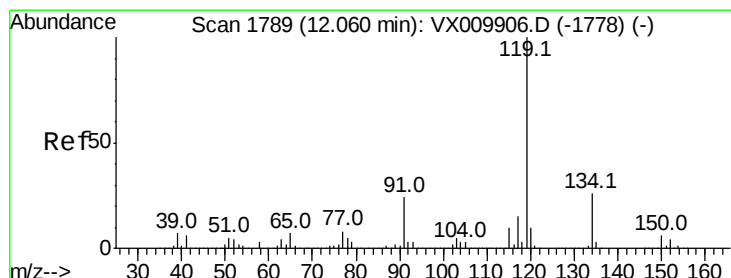
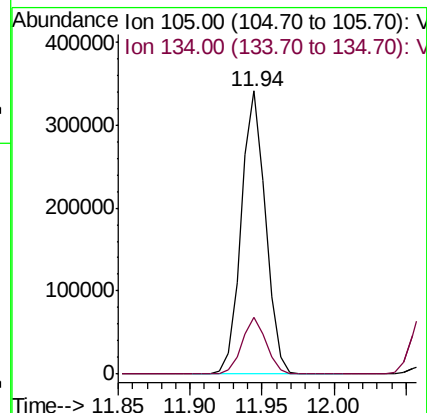
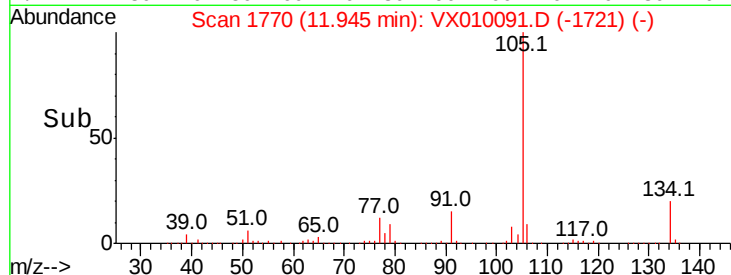
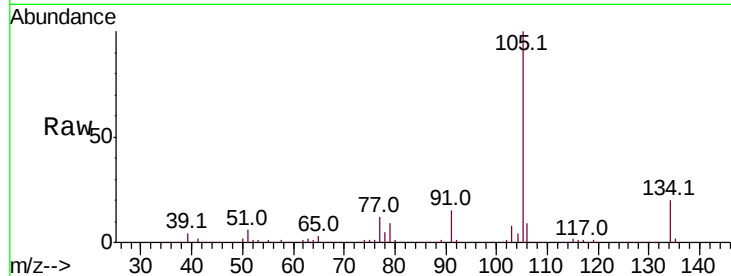
134 19.7 9.7 28.9

Manual Integrations

APPROVED

MMDadoda

6/6/2019 9:32:42 AM



#86

p-Isopropyltoluene

Concen: 52.225 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

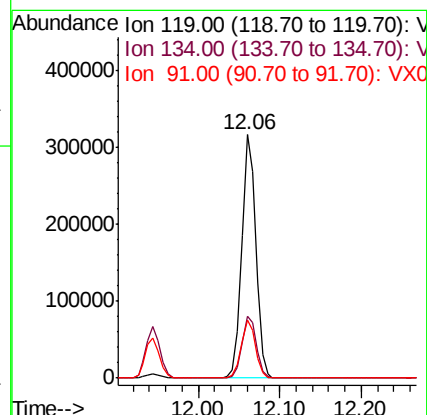
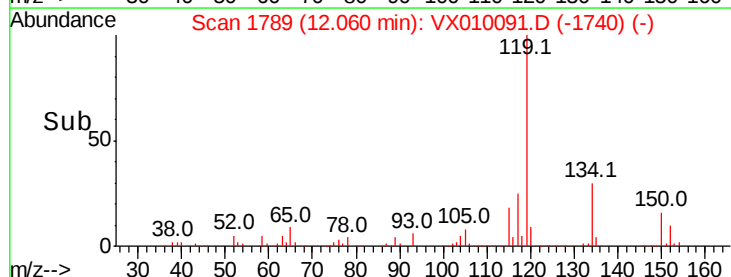
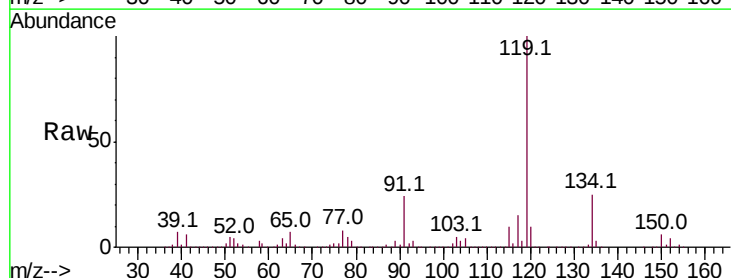
Tgt Ion:119 Resp: 368873

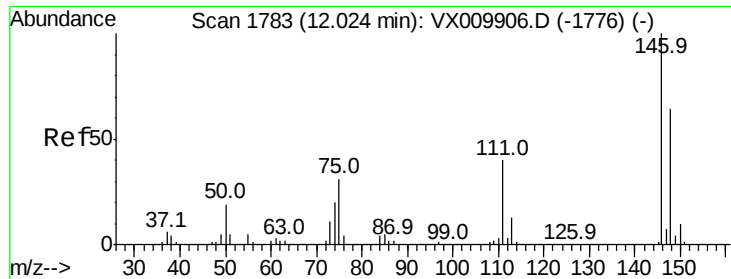
Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.6

91 24.0 11.9 35.9





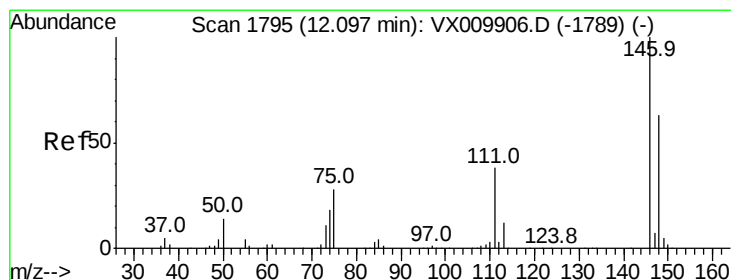
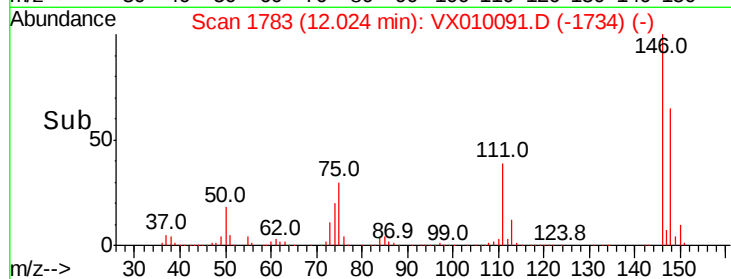
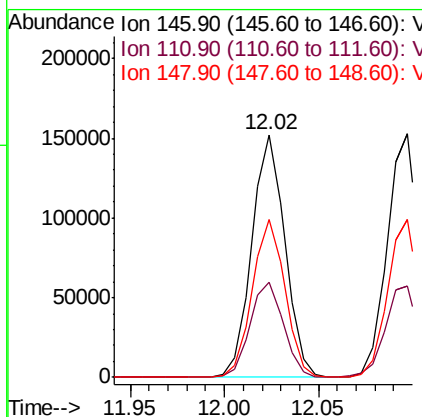
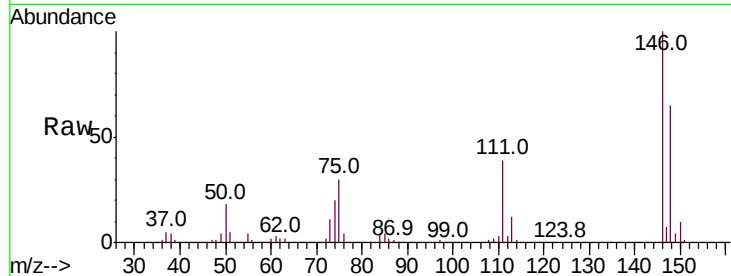
#87
 1,3-Dichlorobenzene
 Concen: 49.845 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010091.D
 Acq: 05 Jun 2019 20:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.1	60.2
148	64.5	31.9	95.5

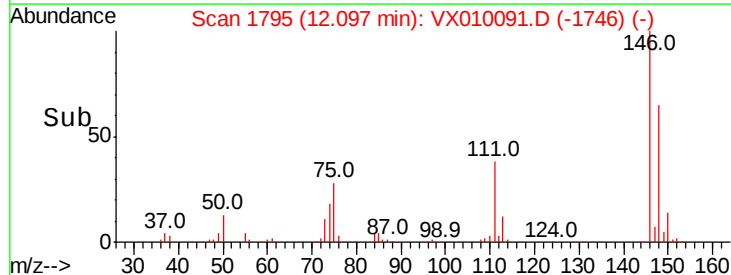
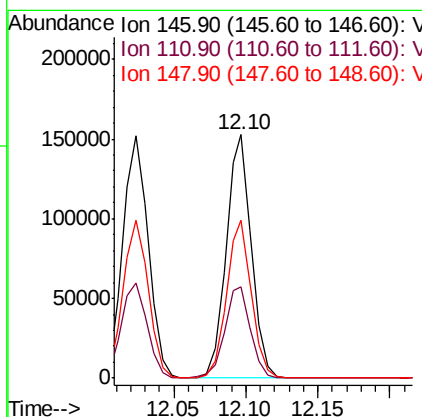
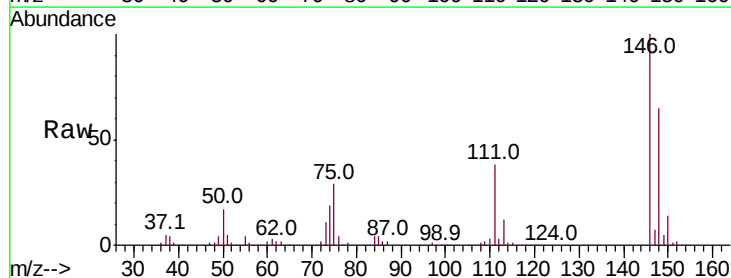
Manual Integrations
 APPROVED

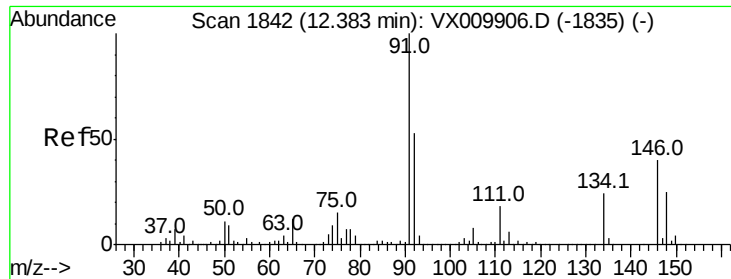
MMDadoda
 6/6/2019 9:32:42 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.179 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010091.D
 Acq: 05 Jun 2019 20:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.0	59.9
148	64.0	32.3	96.9





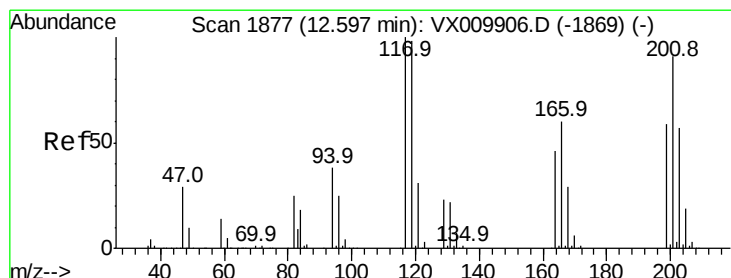
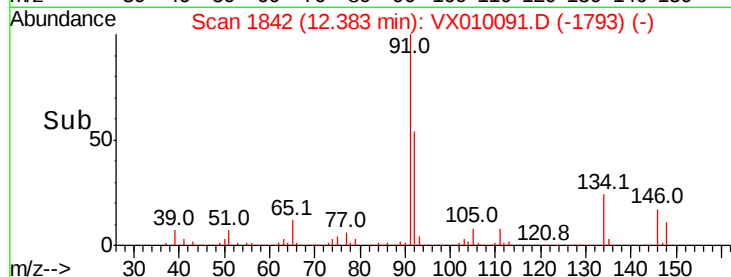
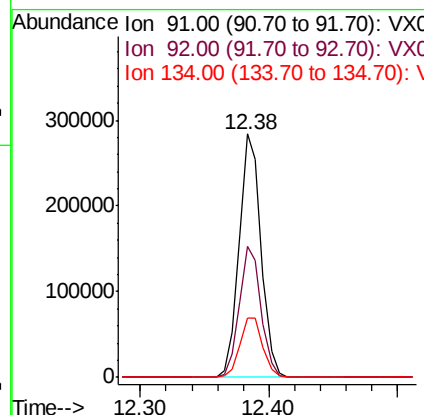
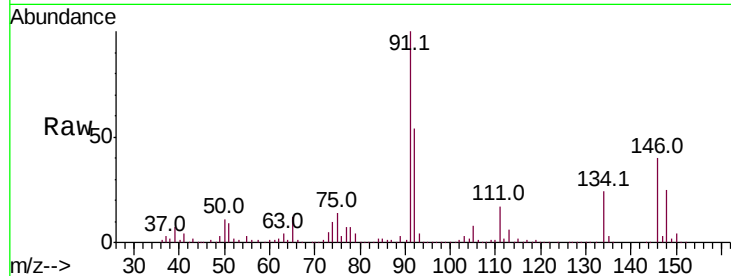
#89
n-Butylbenzene
Concen: 50.734 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.3	78.8
134	25.5	12.3	36.8

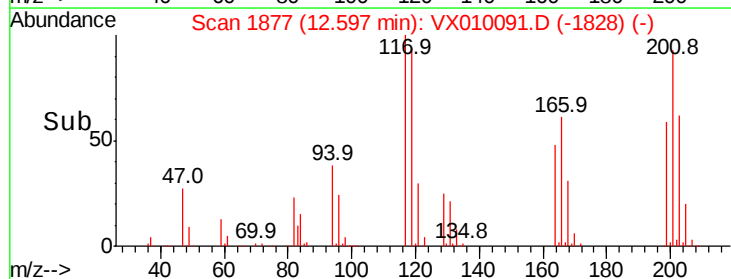
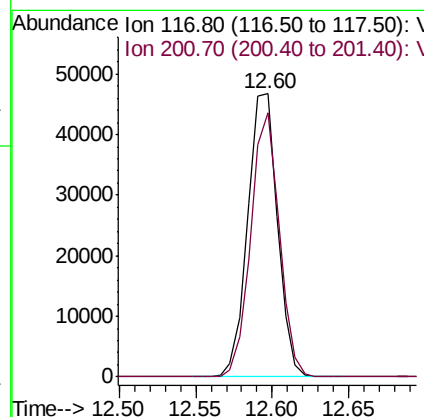
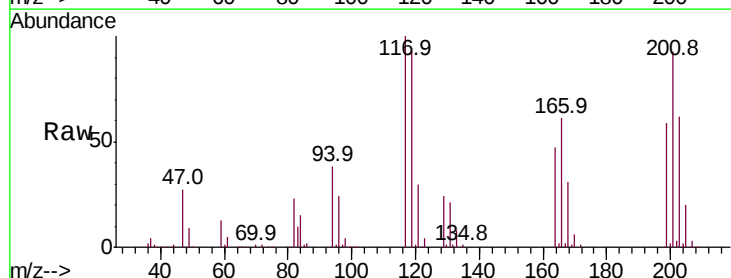
Manual Integrations
APPROVED

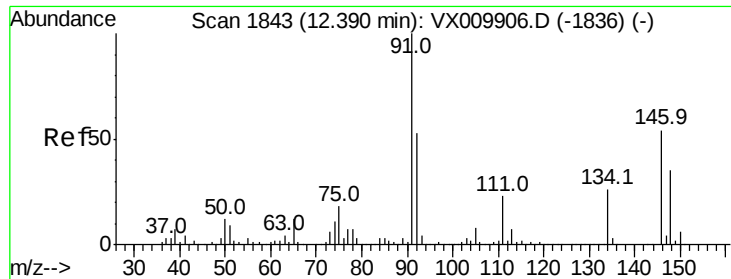
MMDadoda
6/6/2019 9:32:42 AM



#90
Hexachloroethane
Concen: 52.231 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.8	43.6	130.9





#91

1,2-Dichlorobenzene

Concen: 50.439 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Instrument :

MSVOA_X

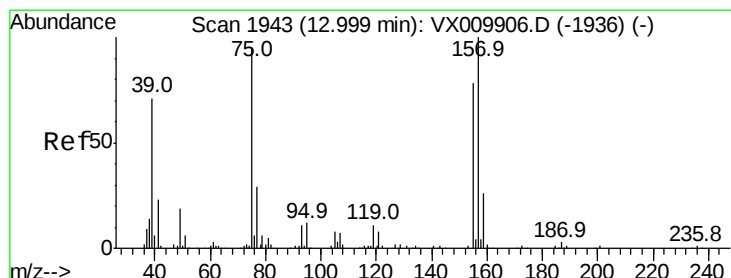
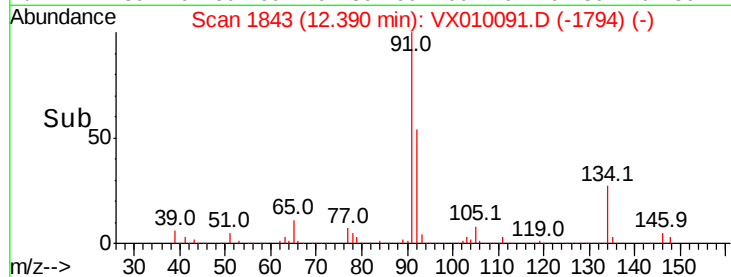
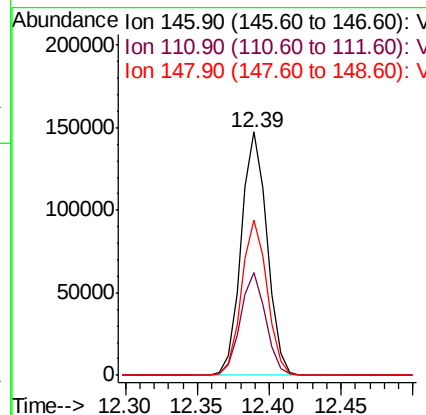
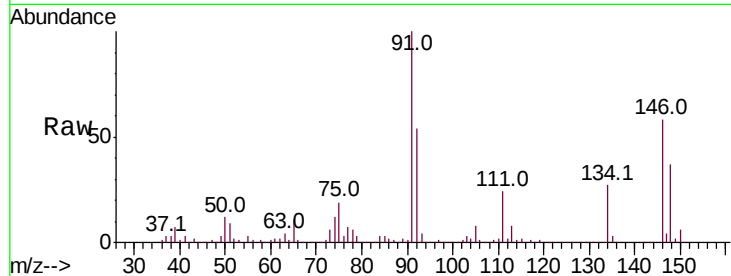
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	184777
Ion Ratio	Lower	Upper	
146	100		
111	41.4	21.1	63.1
148	62.9	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:42 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.490 ug/l

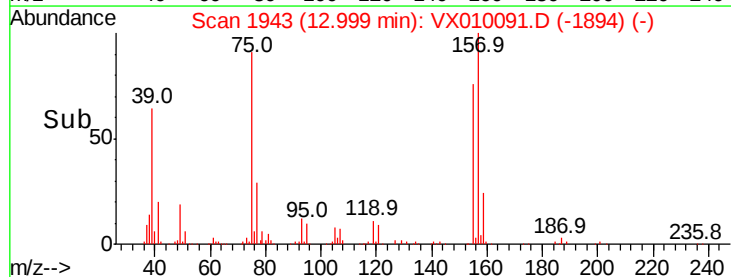
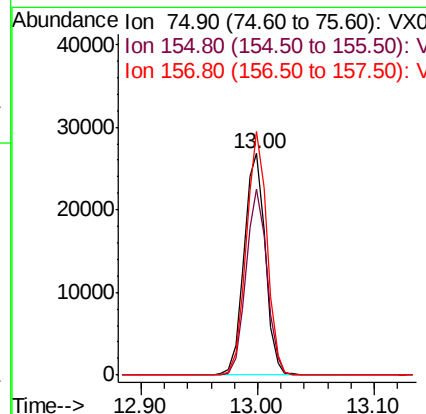
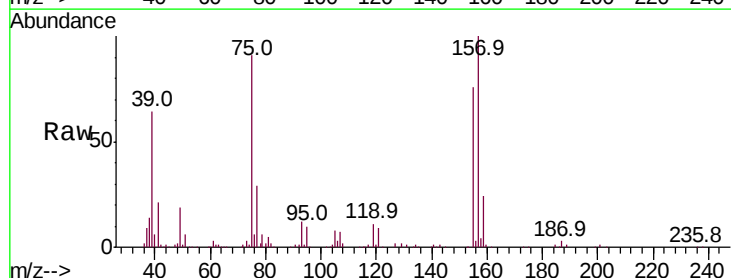
RT: 13.00 min Scan# 1943

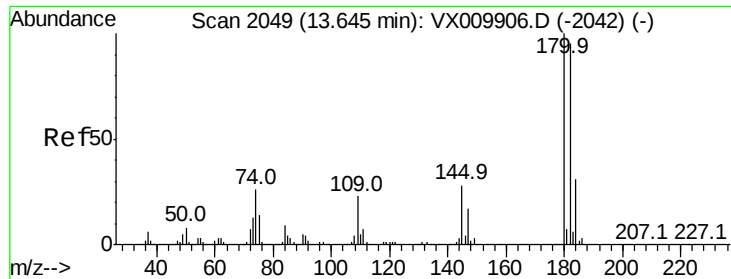
Delta R.T. -0.00 min

Lab File: VX010091.D

Acq: 05 Jun 2019 20:45

Tgt Ion:	75	Resp:	34153
Ion Ratio	Lower	Upper	
75	100		
155	82.8	39.3	117.8
157	106.8	50.6	151.8





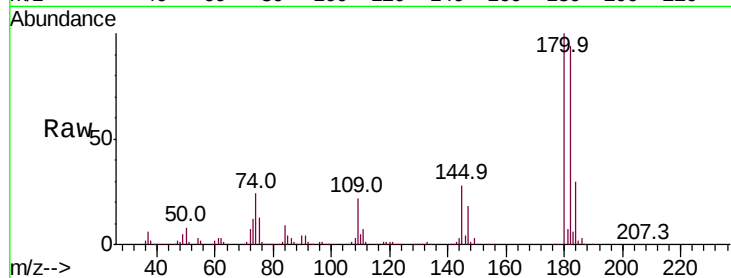
#93
1,2,4-Trichlorobenzene
Concen: 50.743 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	132842		
182	95.0	47.4	142.2	
145	29.1	14.5	43.5	

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:42 AM

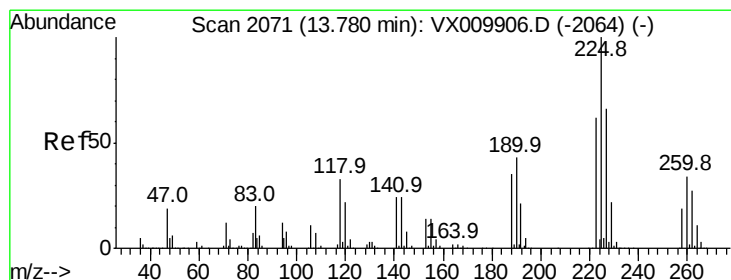
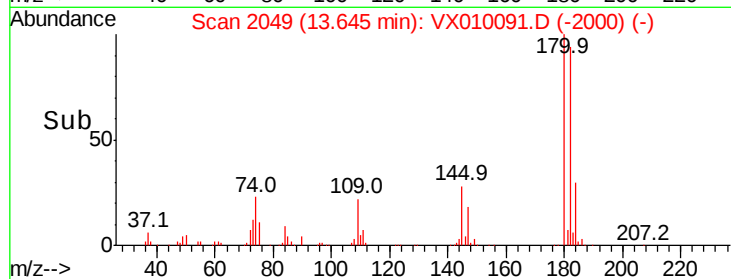
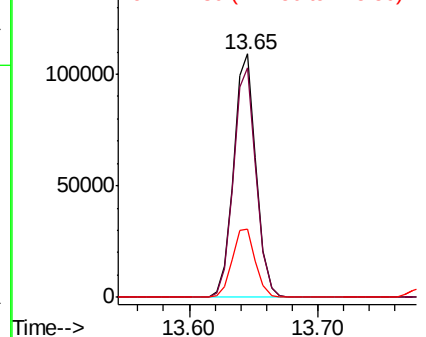


Abundance

Ion 179.80 (179.50 to 180.50): V

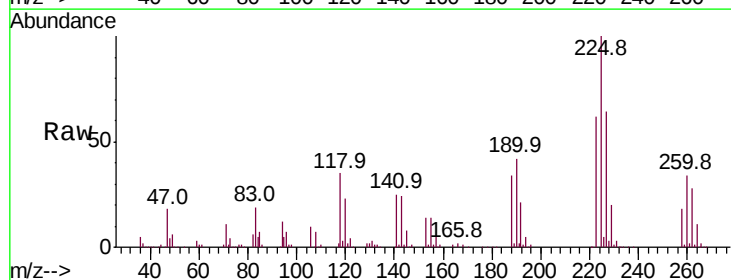
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 47.147 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61908		
223	62.3	31.3	93.8	
227	65.3	32.3	96.8	

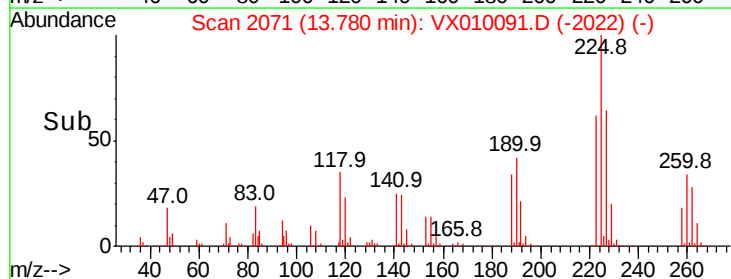
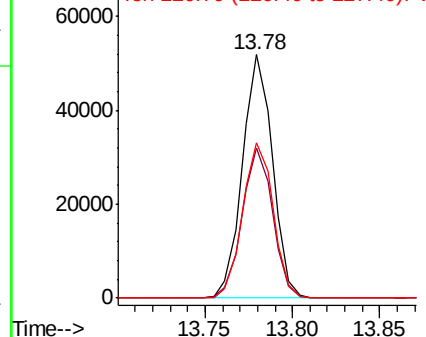


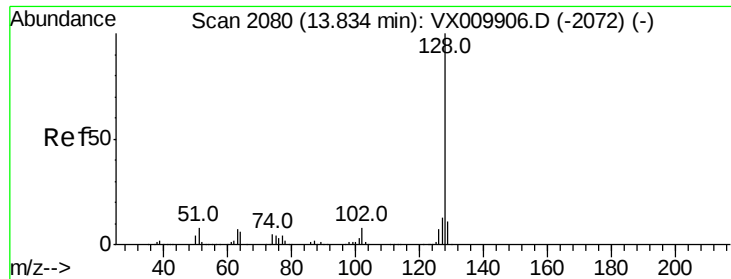
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





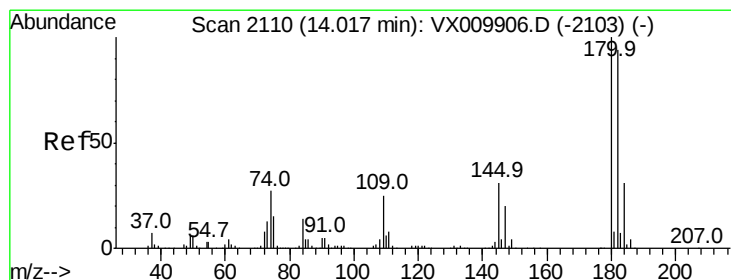
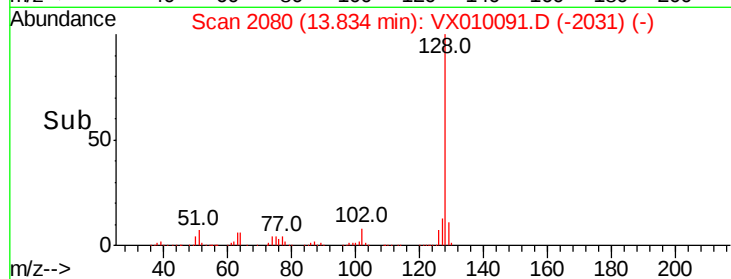
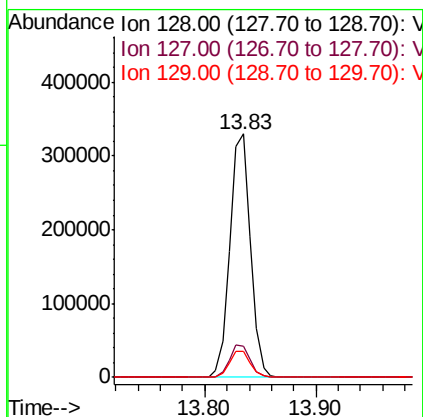
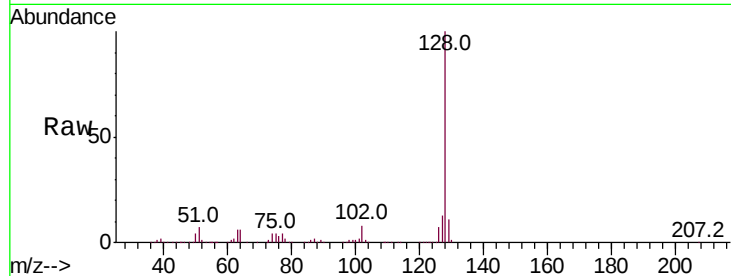
#95
Naphthalene
Concen: 51.658 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:42 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.816 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX010091.D
Acq: 05 Jun 2019 20:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	142.0
145	30.2	15.6	46.7

