

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041919\
 Data File : VX009059.D
 Acq On : 19 Apr 2019 10:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/22/2019 10:50:49 AM

Quant Time: Apr 19 11:50:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	221231	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	359228	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	310002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	151936	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	158660	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
35) Dibromofluoromethane	5.50	113	117288	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
50) Toluene-d8	8.71	98	459208	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
62) 4-Bromofluorobenzene	11.13	95	164961	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	131410	51.571	ug/l	99
3) Chloromethane	1.33	50	135043	43.168	ug/l	99
4) Vinyl Chloride	1.41	62	145204	47.689	ug/l	100
5) Bromomethane	1.64	94	75148	40.228	ug/l	98
6) Chloroethane	1.71	64	85427	47.713	ug/l	97
7) Trichlorofluoromethane	1.92	101	178745	50.281	ug/l	100
8) Diethyl Ether	2.19	74	78888	48.523	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	110894	48.789	ug/l	100
10) Methyl Iodide	2.51	142	81441	34.292	ug/l	99
11) Tert butyl alcohol	3.06	59	168677	243.731	ug/l	99
12) 1,1-Dichloroethene	2.37	96	109922	46.333	ug/l	100
13) Acrolein	2.29	56	151705	253.701	ug/l	99
14) Allyl chloride	2.73	41	270913	52.341	ug/l	100
15) Acrylonitrile	3.15	53	442497	251.878	ug/l	100
16) Acetone	2.45	43	417734	258.370	ug/l	99
17) Carbon Disulfide	2.57	76	322851	46.402	ug/l	100
18) Methyl Acetate	2.78	43	210313	52.120	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	431147	51.003	ug/l	97
20) Methylene Chloride	2.85	84	129883	46.975	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	122624	48.459	ug/l	97
22) Diisopropyl ether	3.86	45	517464	51.449	ug/l	89
23) Vinyl Acetate	3.82	43	2334145	264.008	ug/l	99
24) 1,1-Dichloroethane	3.70	63	256245	50.753	ug/l	100
25) 2-Butanone	4.68	43	673719	260.691	ug/l	100
26) 2,2-Dichloropropane	4.59	77	194220	51.319	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	142160	49.481	ug/l	98
28) Bromochloromethane	5.02	49	109491	52.300	ug/l	99
29) Tetrahydrofuran	5.13	42	435814	251.951	ug/l	99
30) Chloroform	5.21	83	230220	50.957	ug/l	100
31) Cyclohexane	5.57	56	252436	50.835	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	193026	51.549	ug/l	99
36) 1,1-Dichloropropene	5.80	75	180967	48.710	ug/l	99
37) Ethyl Acetate	4.84	43	250161	52.328	ug/l	100
38) Carbon Tetrachloride	5.78	117	161206	51.183	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041919\
 Data File : VX009059.D
 Acq On : 19 Apr 2019 10:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/22/2019 10:50:49 AM

Quant Time: Apr 19 11:50:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	231803	51.245	ug/l	100
40) Benzene	6.14	78	543425	49.582	ug/l	99
41) Methacrylonitrile	5.04	41	141158	51.448	ug/l	99
42) 1,2-Dichloroethane	6.19	62	194941	50.210	ug/l	99
43) Isopropyl Acetate	6.45	43	397830	51.640	ug/l	99
44) Trichloroethene	7.21	130	131119	48.826	ug/l	96
45) 1,2-Dichloropropane	7.51	63	156152	51.355	ug/l	98
46) Dibromomethane	7.66	93	87755	49.592	ug/l	99
47) Bromodichloromethane	7.90	83	178103	51.315	ug/l	99
48) Methyl methacrylate	7.77	41	196842	51.711	ug/l	99
49) 1,4-Dioxane	7.74	88	63307	888.546	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	1251160	254.922	ug/l	99
52) Toluene	8.78	92	320483	48.790	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	209366	52.416	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	230792	51.602	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	130786	50.238	ug/l	98
56) Ethyl methacrylate	9.18	69	238214	51.032	ug/l	99
57) 1,3-Dichloropropane	9.37	76	232741	50.212	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	644735	256.487	ug/l	99
59) 2-Hexanone	9.49	43	970422	256.456	ug/l	99
60) Dibromochloromethane	9.58	129	131302	52.625	ug/l	100
61) 1,2-Dibromoethane	9.67	107	133427	49.659	ug/l	99
64) Tetrachloroethene	9.34	164	114663	48.689	ug/l	99
65) Chlorobenzene	10.13	112	324642	49.614	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	119518	51.849	ug/l	100
67) Ethyl Benzene	10.25	91	612944	51.243	ug/l	99
68) m/p-Xylenes	10.36	106	440035	101.225	ug/l	98
69) o-Xylene	10.69	106	213814	50.550	ug/l	98
70) Styrene	10.71	104	377592	51.514	ug/l	100
71) Bromoform	10.85	173	95476	51.989	ug/l #	98
73) Isopropylbenzene	11.02	105	582131	50.547	ug/l	100
74) N-amyl acetate	10.90	43	338115	51.132	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	207099	49.216	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	179107m	48.277	ug/l	
77) Bromobenzene	11.26	156	139177	47.898	ug/l	99
78) n-propylbenzene	11.36	91	682143	51.605	ug/l	100
79) 2-Chlorotoluene	11.42	91	395734	49.681	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	492530	50.964	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	72204	49.965	ug/l	97
82) 4-Chlorotoluene	11.51	91	459594	49.681	ug/l	99
83) tert-Butylbenzene	11.77	119	478855	51.609	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	495669	50.386	ug/l	100
85) sec-Butylbenzene	11.94	105	574859	51.947	ug/l	100
86) p-Isopropyltoluene	12.06	119	525379	51.639	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	247558	48.678	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	251259	48.737	ug/l	99
89) n-Butylbenzene	12.39	91	502010	52.982	ug/l	99
90) Hexachloroethane	12.60	117	88209	52.560	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	247020	49.188	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	47251	49.319	ug/l	100

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041919\
Data File : VX009059.D
Acq On : 19 Apr 2019 10:36
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

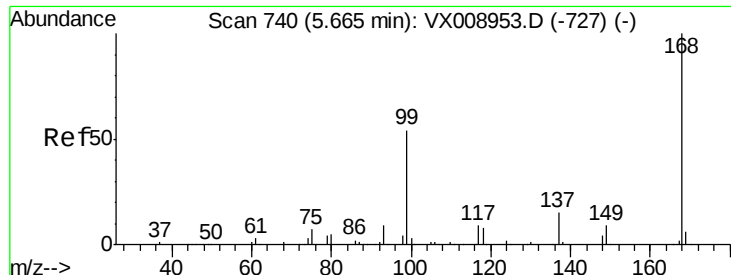
Manual Integrations
APPROVED

MMDadoda
4/22/2019 10:50:49 AM

Quant Time: Apr 19 11:50:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	184052	50.771	ug/l	100
94) Hexachlorobutadiene	13.78	225	93807	51.883	ug/l	99
95) Naphthalene	13.83	128	592376	51.004	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	183919	51.419	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 221231

Ion Ratio Lower Upper

168 100

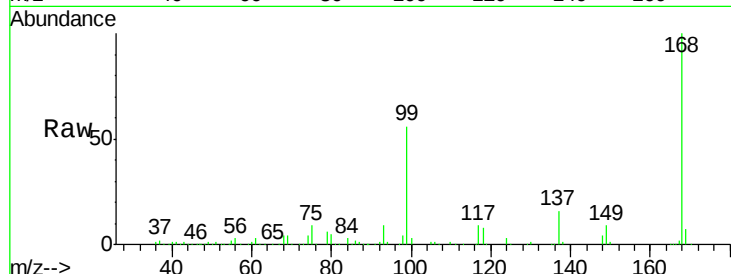
99 55.7 43.0 64.6

Manual Integrations

APPROVED

MMDadoda

4/22/2019 10:50:49 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

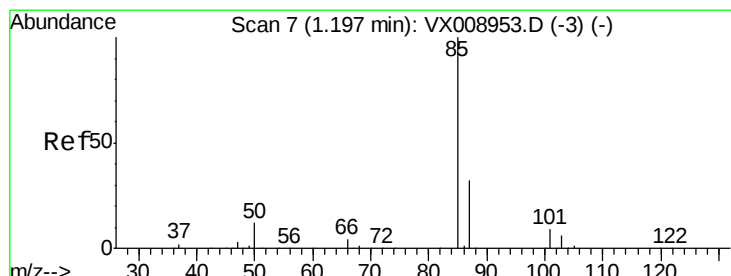
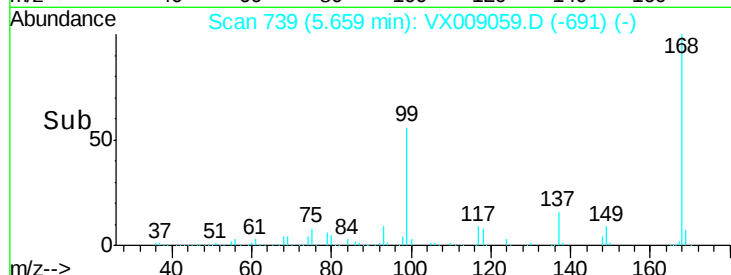
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 51.571 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009059.D

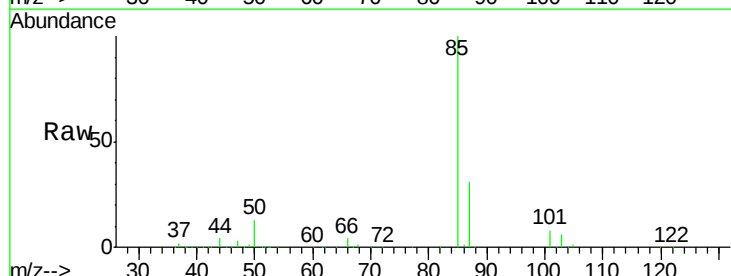
Acq: 19 Apr 2019 10:36

Tgt Ion: 85 Resp: 131410

Ion Ratio Lower Upper

85 100

87 31.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

120000

100000

80000

60000

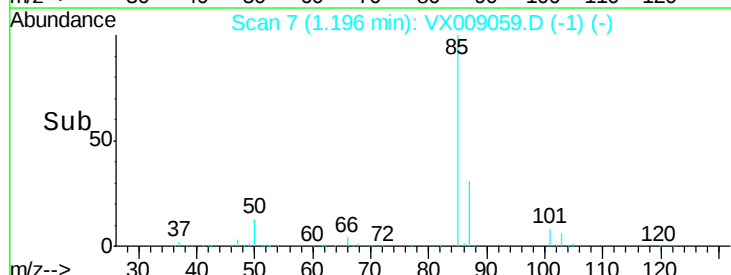
40000

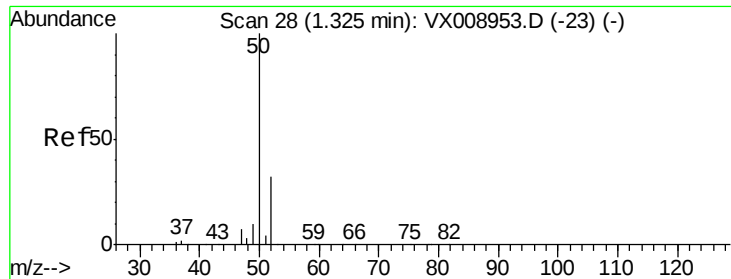
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 43.168 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 135043

Ion Ratio Lower Upper

50 100

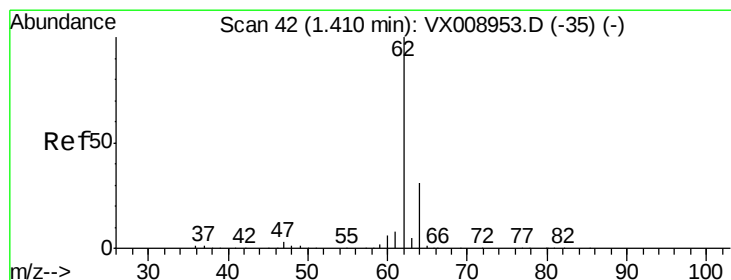
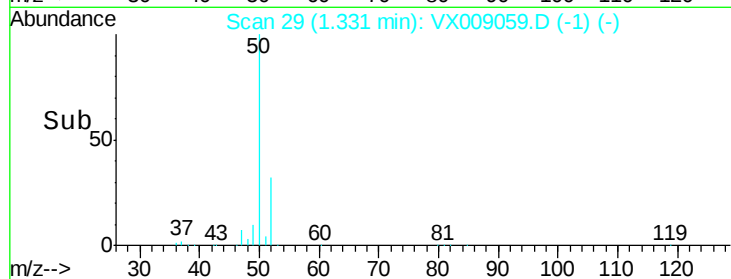
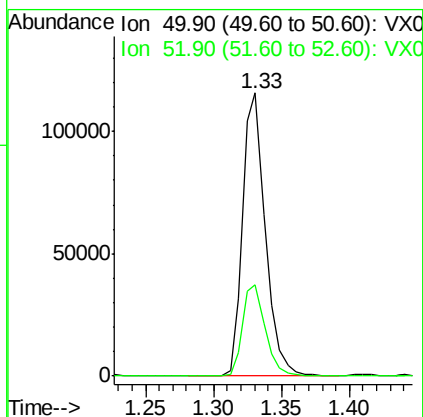
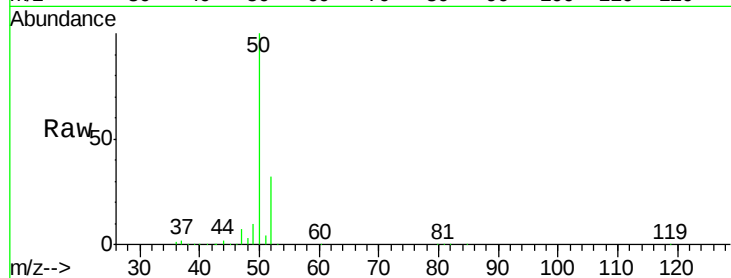
52 32.2 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

4/22/2019 10:50:49 AM



#4

Vinyl Chloride

Concen: 47.689 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009059.D

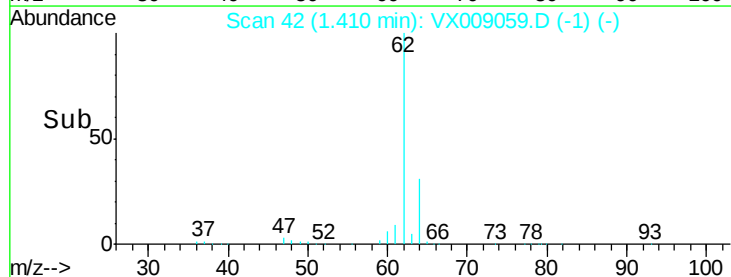
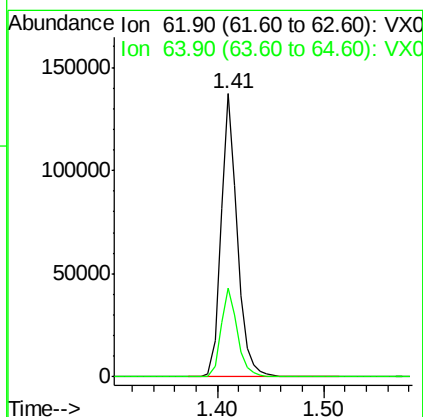
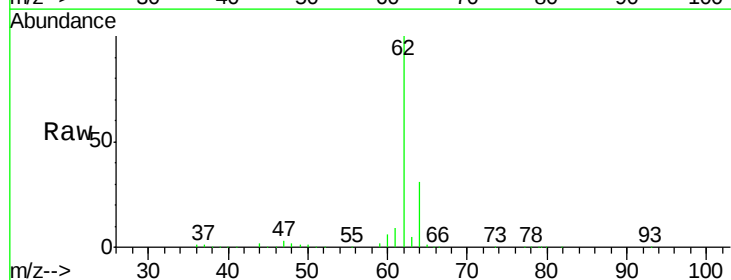
Acq: 19 Apr 2019 10:36

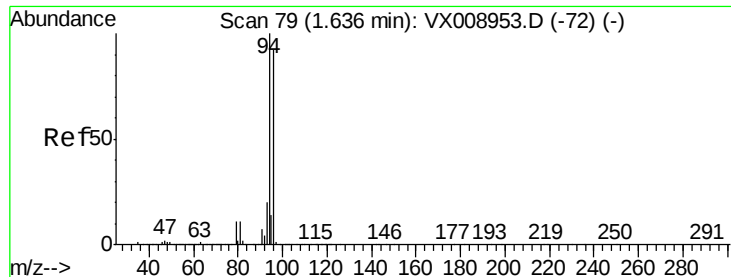
Tgt Ion: 62 Resp: 145204

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.4





#5

Bromomethane

Concen: 40.228 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 75148

Ion Ratio Lower Upper

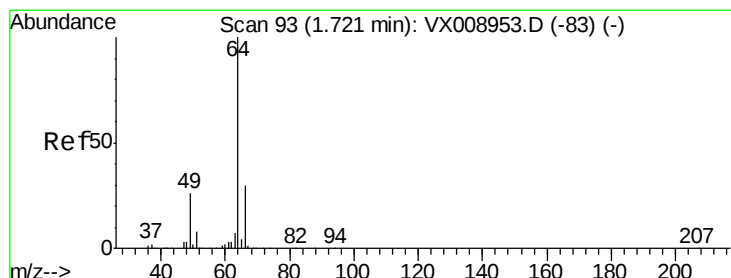
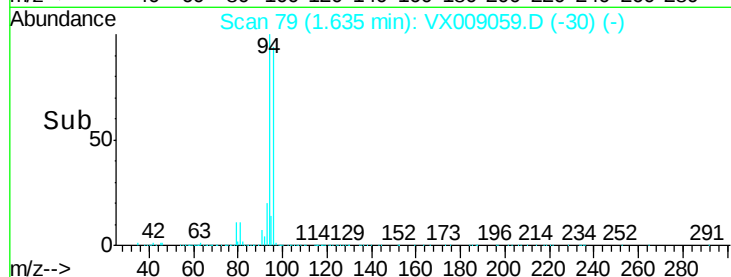
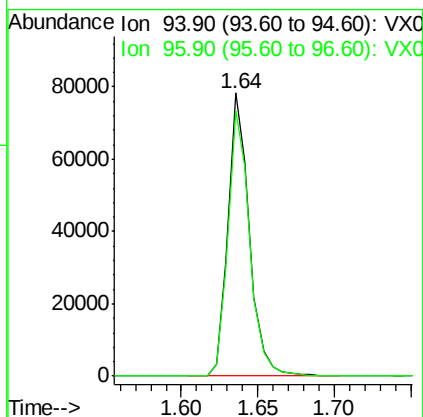
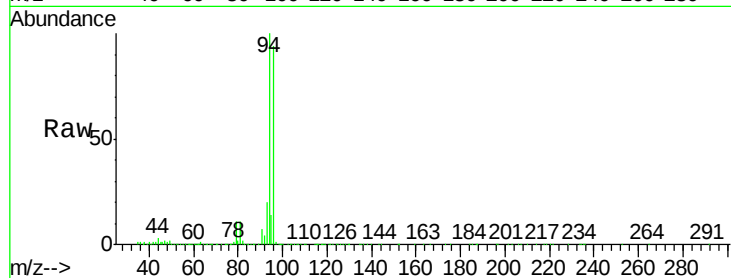
94 100

96 93.9 73.9 110.9

Manual Integrations
APPROVED

MMDadoda

4/22/2019 10:50:49 AM



#6

Chloroethane

Concen: 47.713 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX009059.D

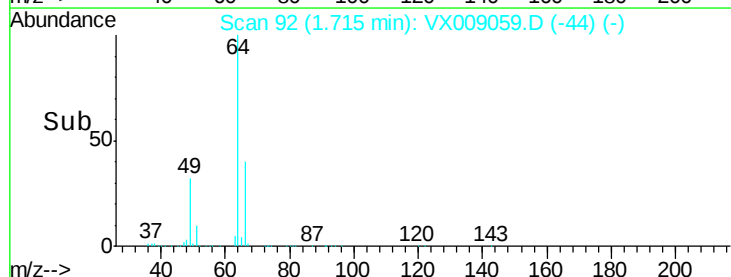
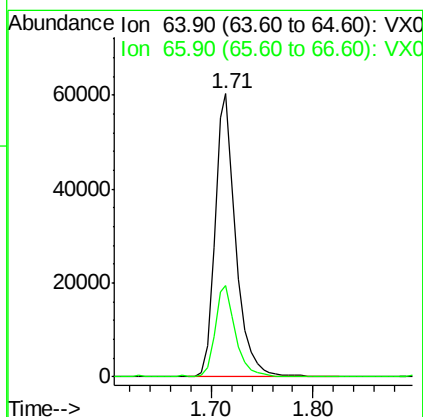
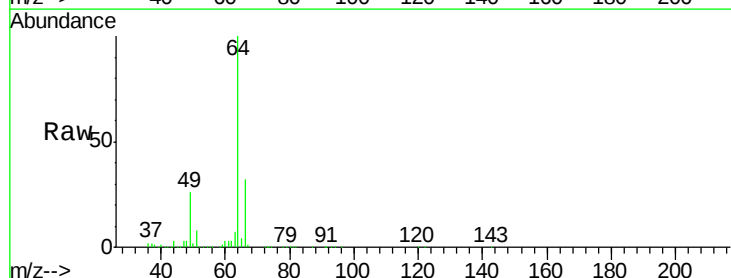
Acq: 19 Apr 2019 10:36

Tgt Ion: 64 Resp: 85427

Ion Ratio Lower Upper

64 100

66 32.0 24.2 36.2





#7

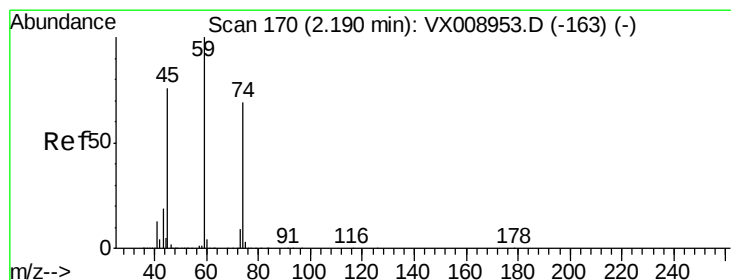
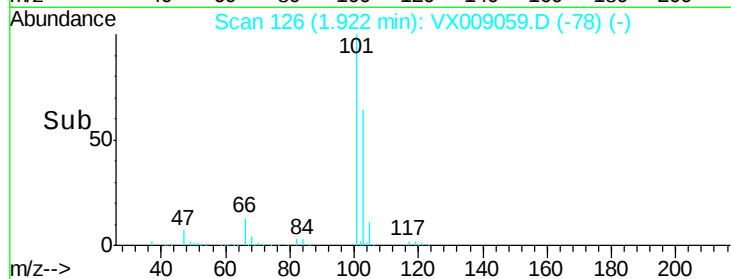
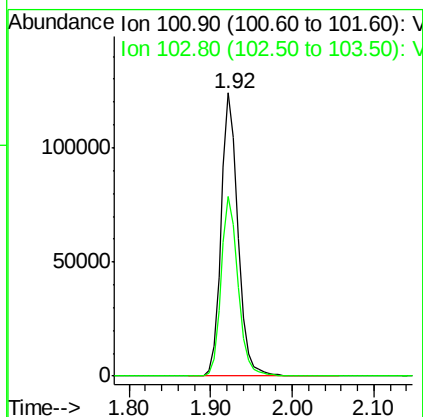
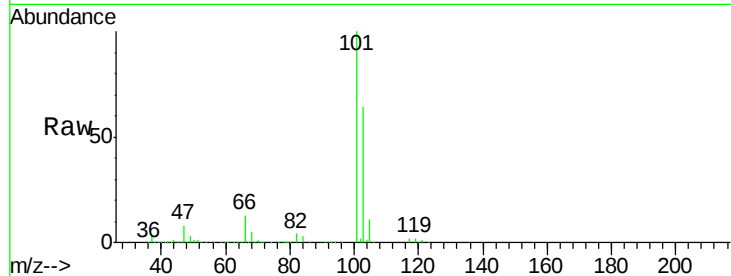
Trichlorofluoromethane
Concen: 50.281 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		178745		
103	63.7	51.0	76.6		

Manual Integrations
APPROVED

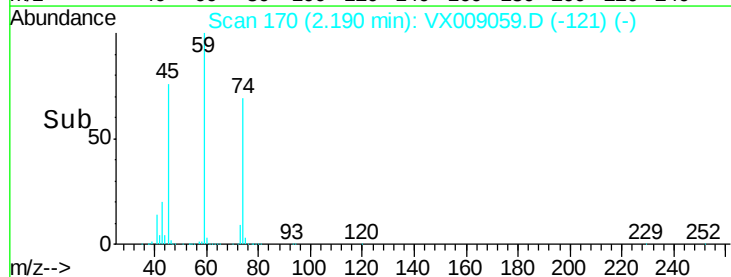
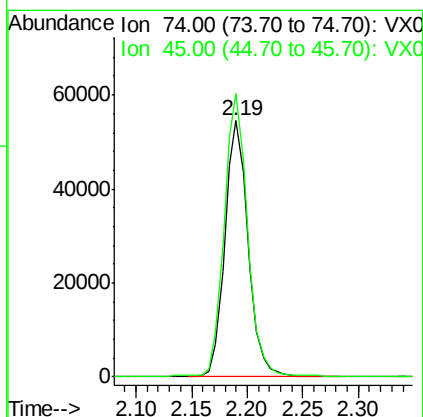
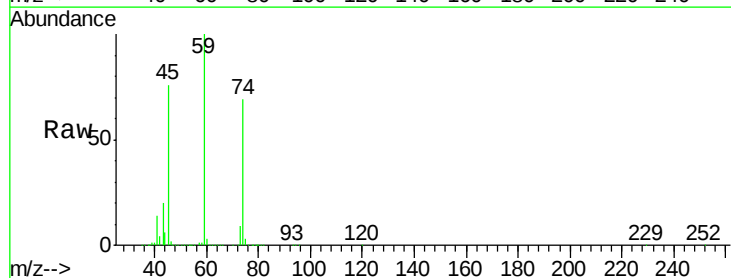
MMDadoda
4/22/2019 10:50:49 AM



#8

Diethyl Ether
Concen: 48.523 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		78888		
45	110.3	54.9	164.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.789 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Instrument :

MSVOA_X

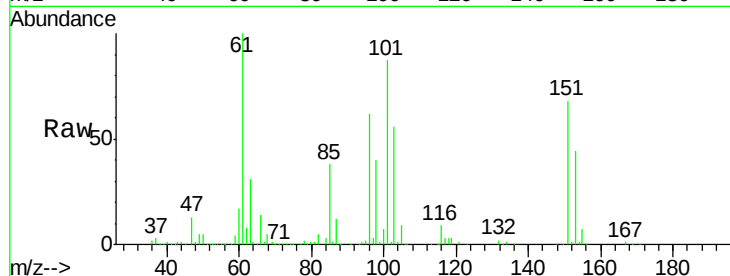
ClientSampleId :

VSTDCCC050

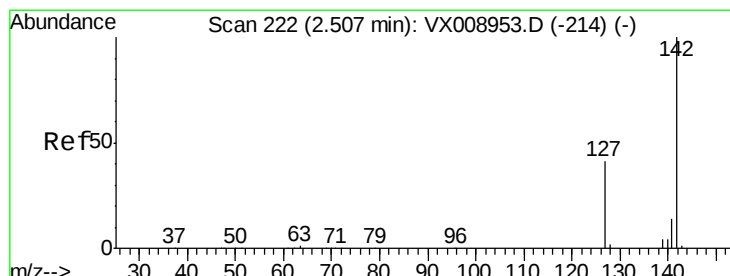
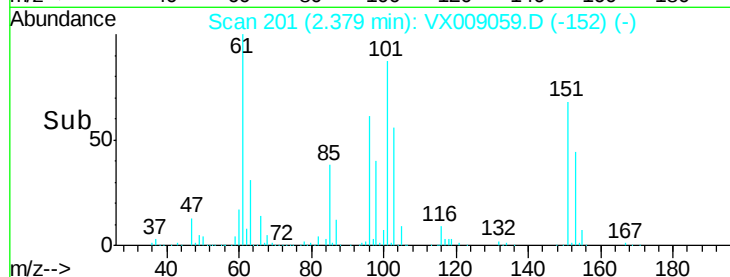
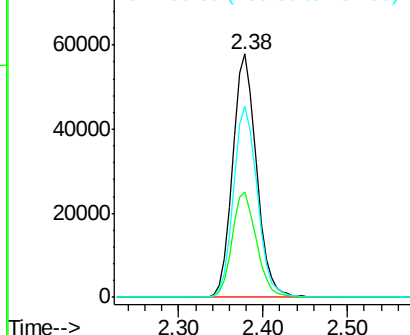
Tot Ion:	101	Resp:	110894
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.7	53.5
151	78.5	62.7	94.1

Manual Integrations
APPROVED

MMDadoda
4/22/2019 10:50:49 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 34.292 ug/l

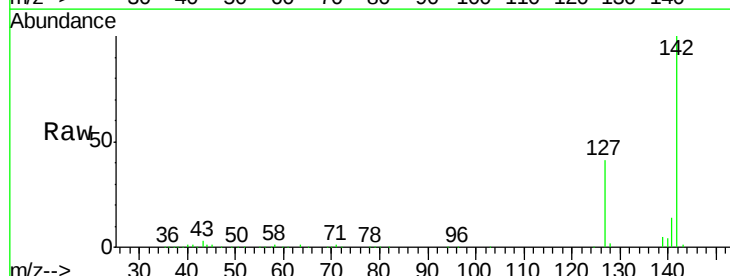
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

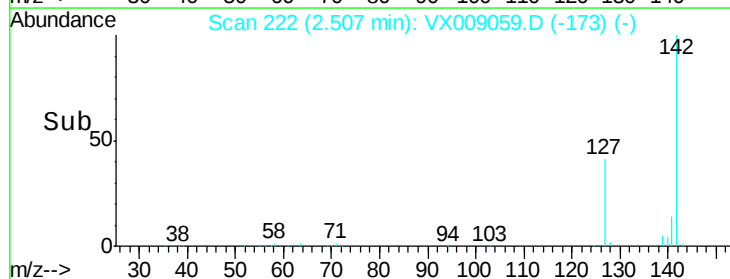
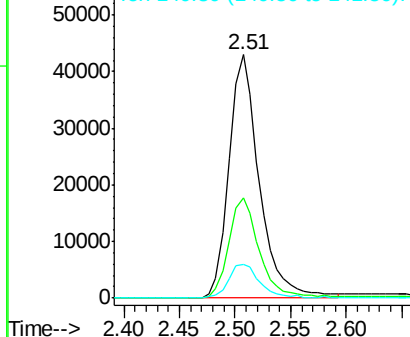
Lab File: VX009059.D

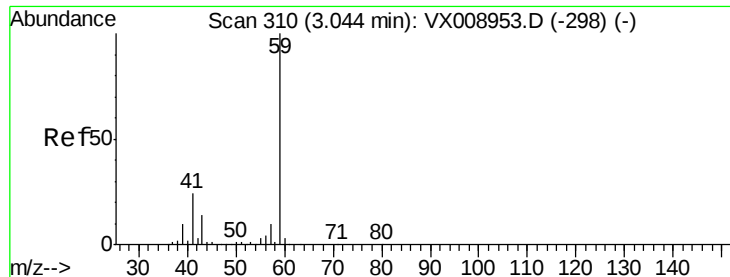
Acq: 19 Apr 2019 10:36

Tgt Ion:	142	Resp:	81441
Ion Ratio	Lower	Upper	
142	100		
127	41.5	32.8	49.2
141	14.5	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

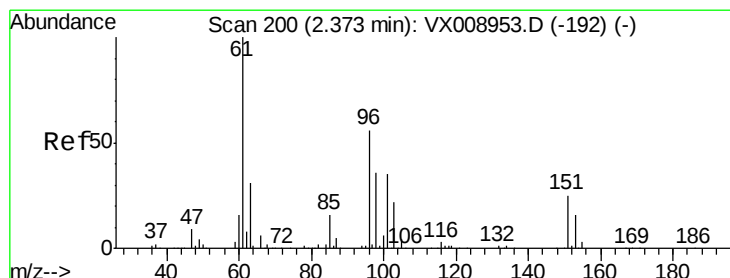
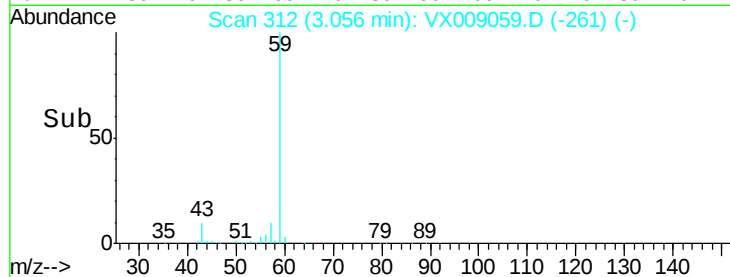
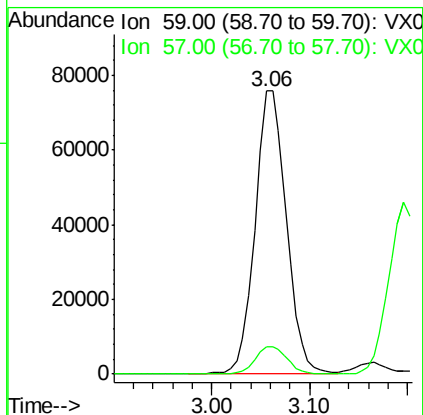
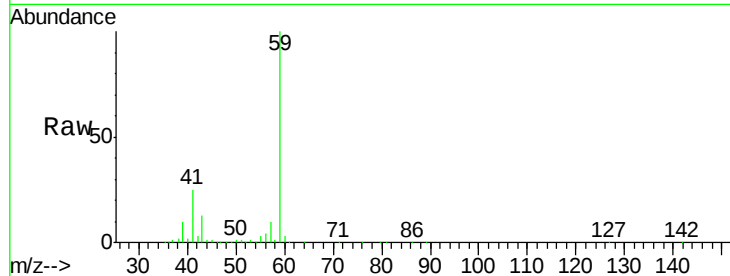
Tert butyl alcohol
Concen: 243.731 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 168677
Ion Ratio Lower Upper
59 100
57 10.0 8.4 12.6

Manual Integrations
APPROVED

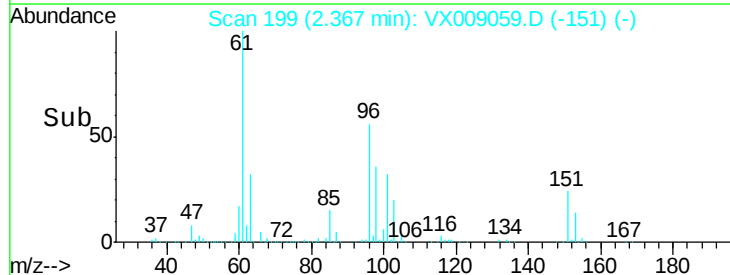
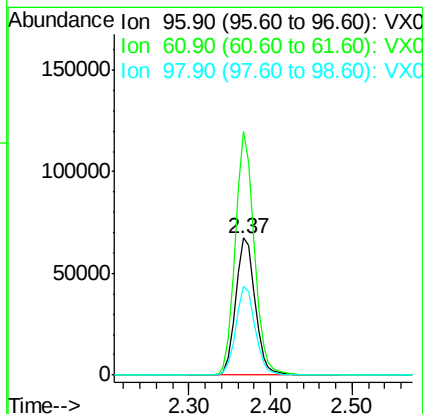
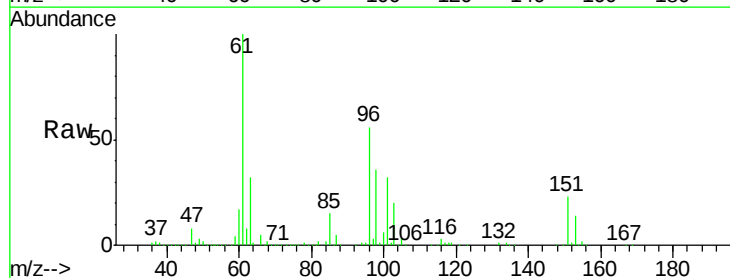
MMDadoda
4/22/2019 10:50:49 AM

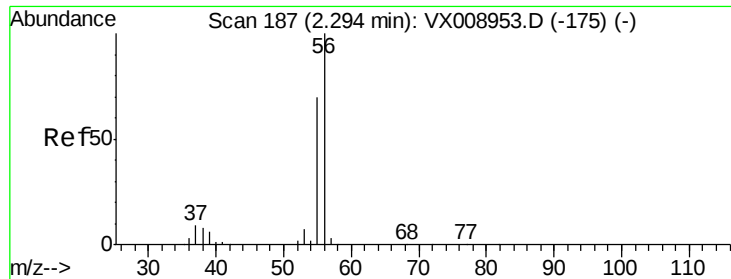


#12

1,1-Dichloroethene
Concen: 46.333 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Tgt Ion: 96 Resp: 109922
Ion Ratio Lower Upper
96 100
61 177.4 142.2 213.2
98 64.3 50.9 76.3





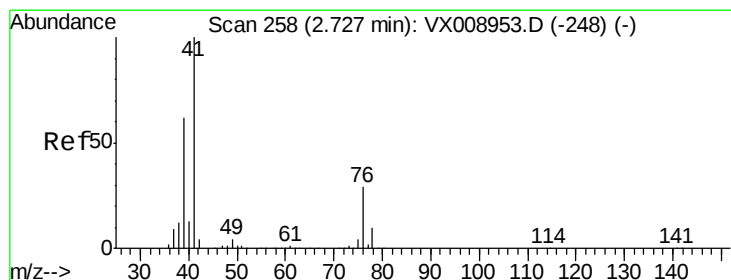
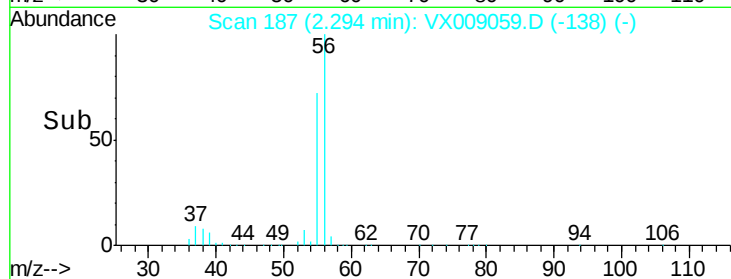
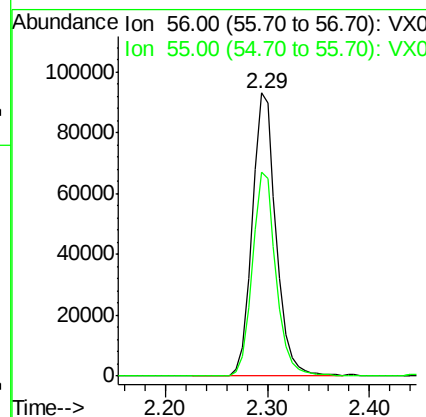
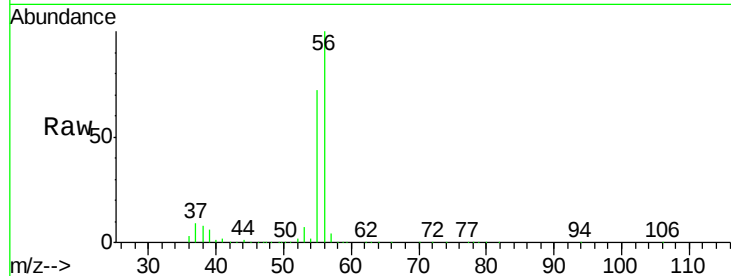
#13
Acrolein
Concen: 253.701 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.4	56.6	84.8

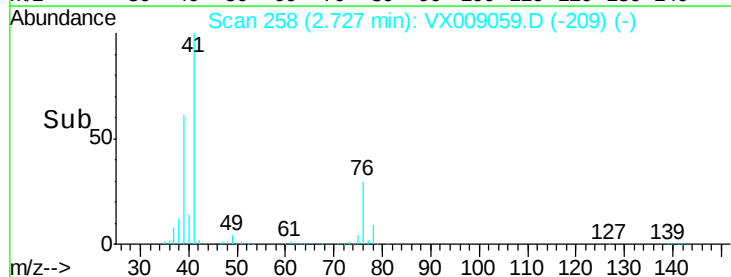
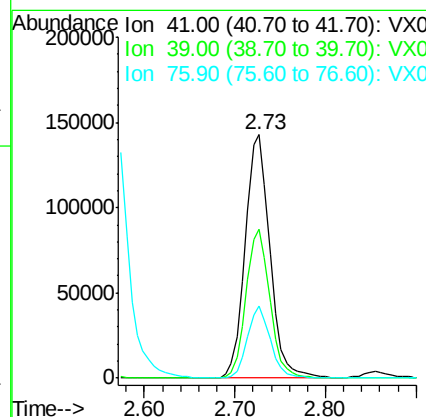
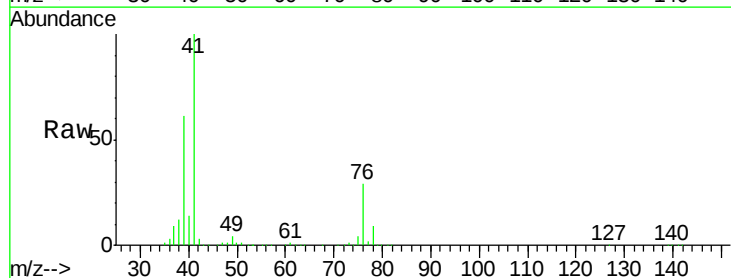
Manual Integrations
APPROVED

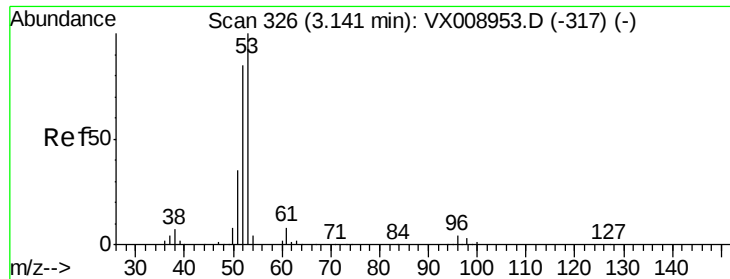
MMDadoda
4/22/2019 10:50:49 AM



#14
Allyl chloride
Concen: 52.341 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.6	46.7	70.1
76	27.4	22.0	33.0





#15

Acrylonitrile

Concen: 251.878 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Instrument :

MSVOA_X

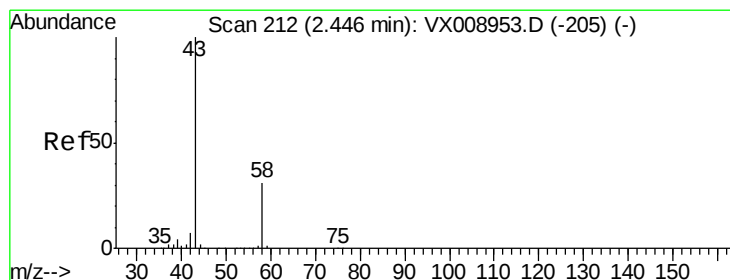
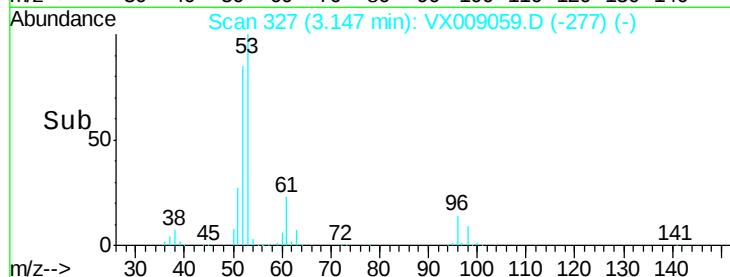
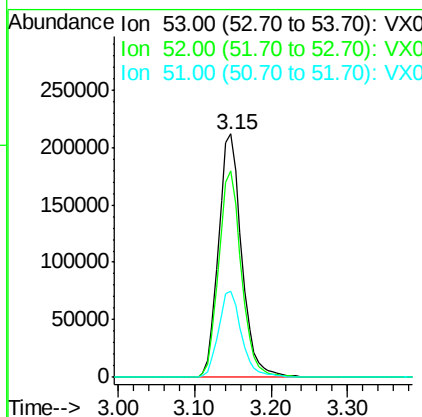
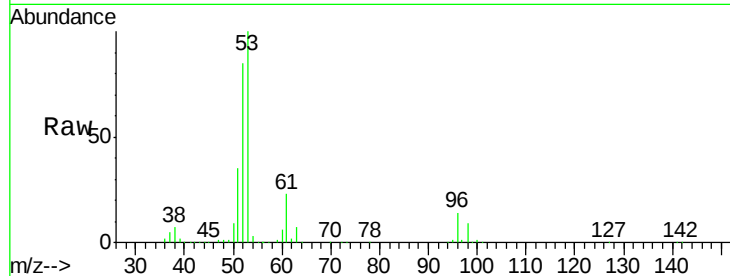
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	442497
Ion Ratio	Lower	Upper	
53	100		
52	83.3	66.6	100.0
51	35.5	28.3	42.5

Manual Integrations
APPROVED

MMDadoda
4/22/2019 10:50:49 AM



#16

Acetone

Concen: 258.370 ug/l

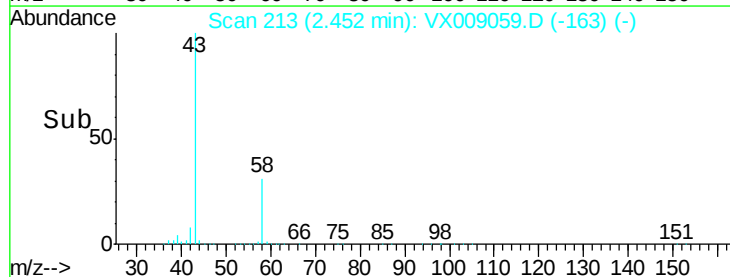
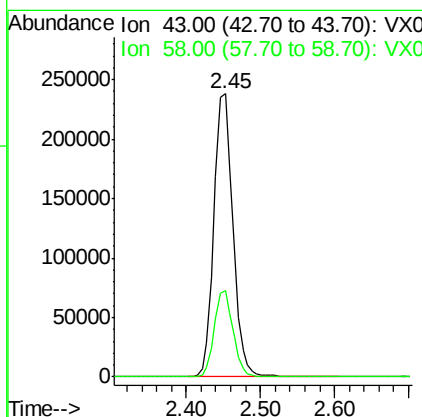
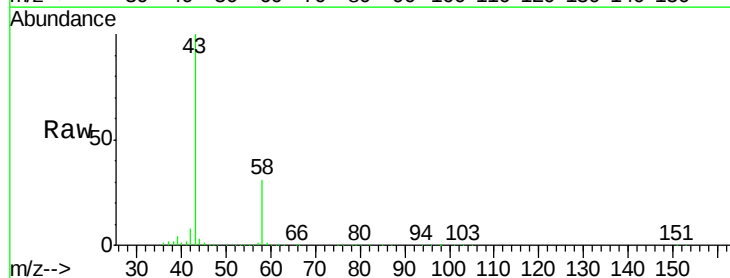
RT: 2.45 min Scan# 213

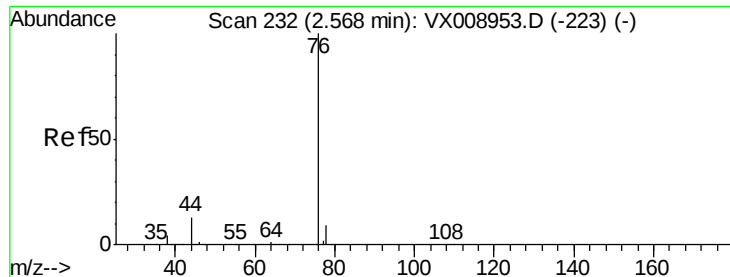
Delta R.T. 0.01 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Tgt Ion:	43	Resp:	417734
Ion Ratio	Lower	Upper	
43	100		
58	30.7	24.8	37.2





#17

Carbon Disulfide

Concen: 46.402 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 322851

Ion Ratio Lower Upper

76 100

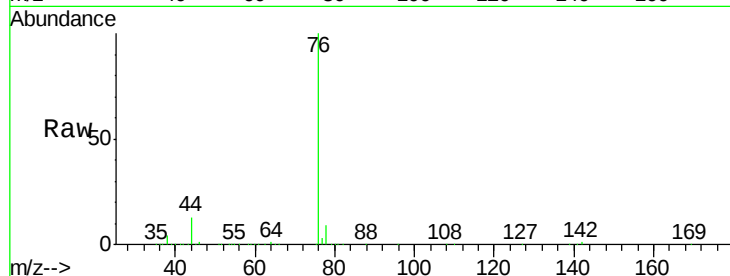
78 9.1 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

4/22/2019 10:50:49 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

200000

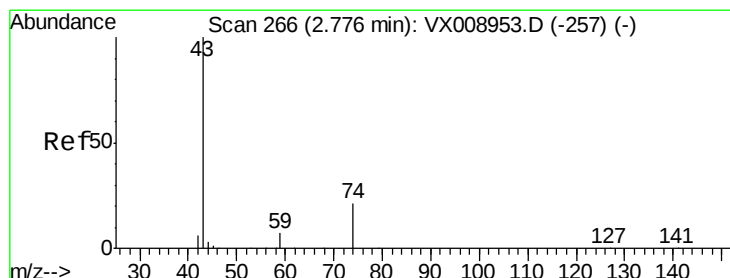
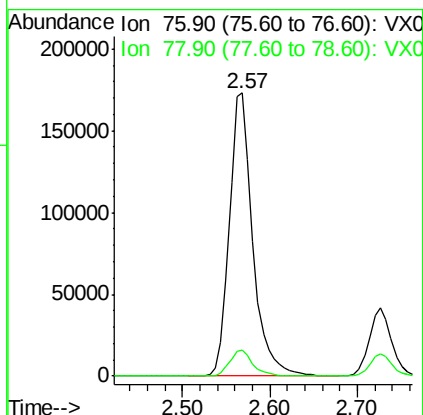
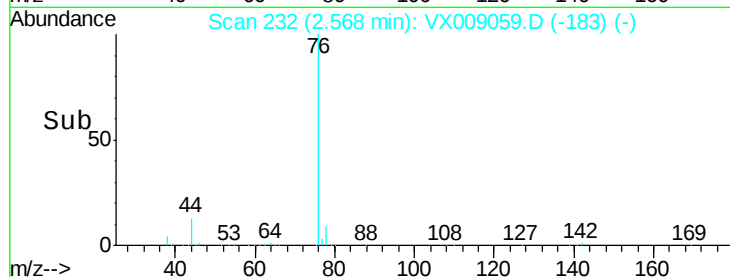
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 52.120 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX009059.D

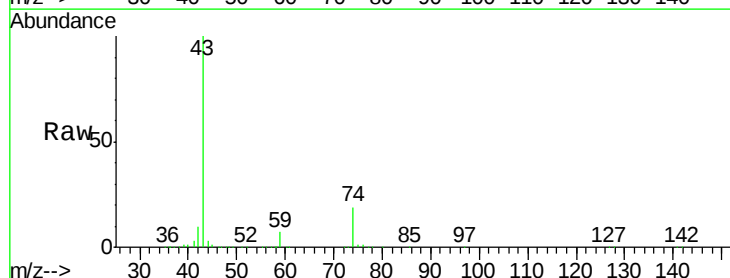
Acq: 19 Apr 2019 10:36

Tgt Ion: 43 Resp: 210313

Ion Ratio Lower Upper

43 100

74 20.1 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

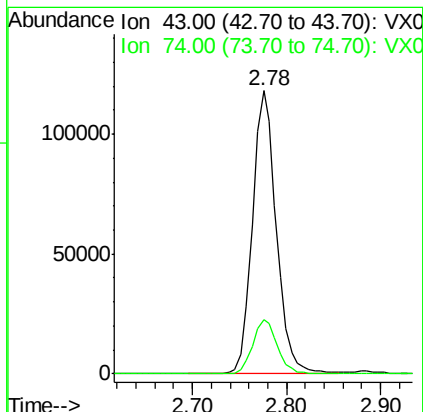
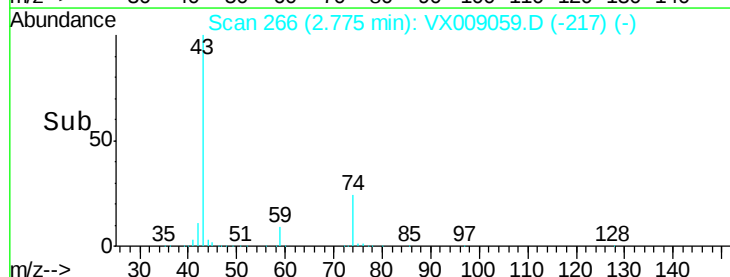
Ion 74.00 (73.70 to 74.70): VX0

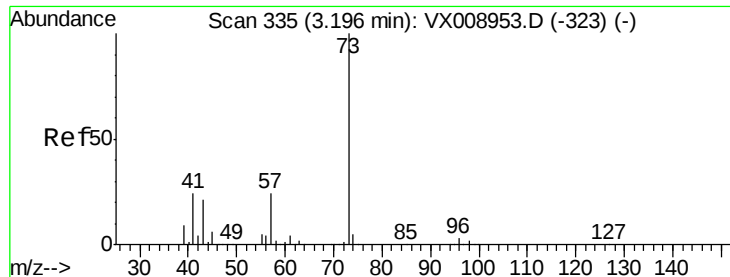
100000

50000

0

Time-->





#19

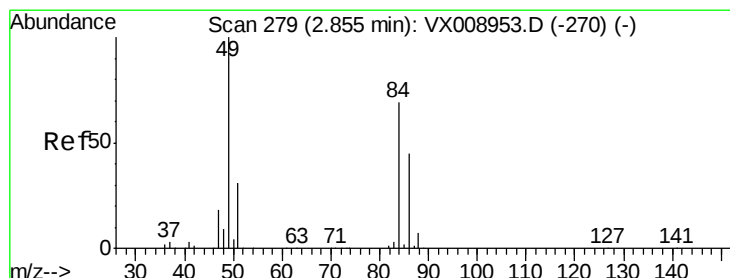
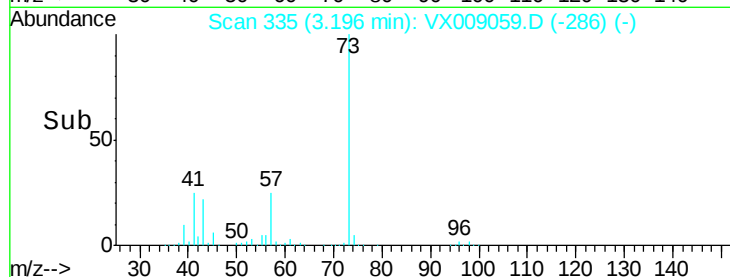
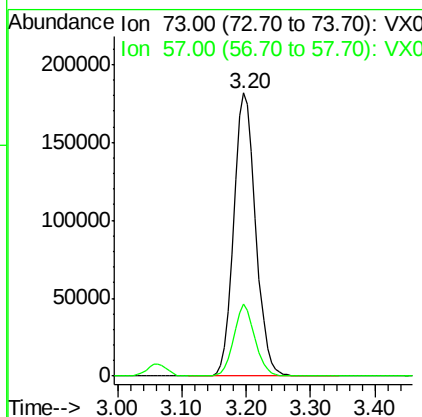
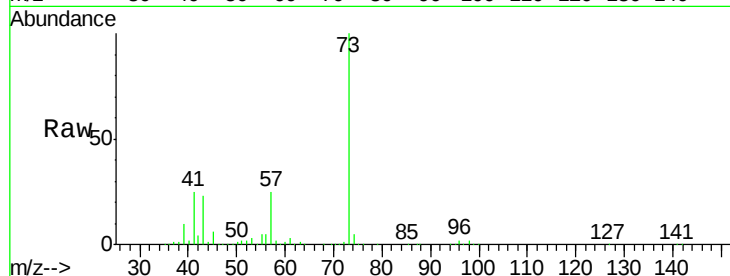
Methyl tert-butyl Ether
 Concen: 51.003 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX009059.D
 Acq: 19 Apr 2019 10:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	73	Resp	431147
Ion	Ratio	Lower	Upper
73	100		
57	25.3	19.2	28.8

Manual Integrations
 APPROVED

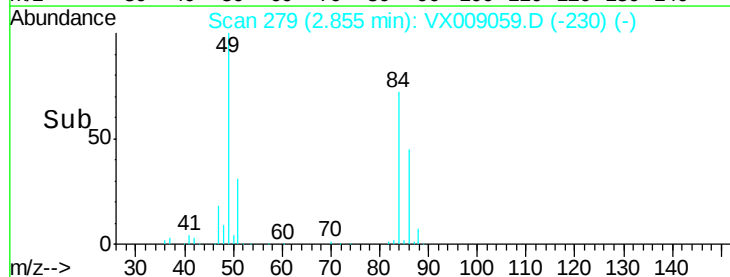
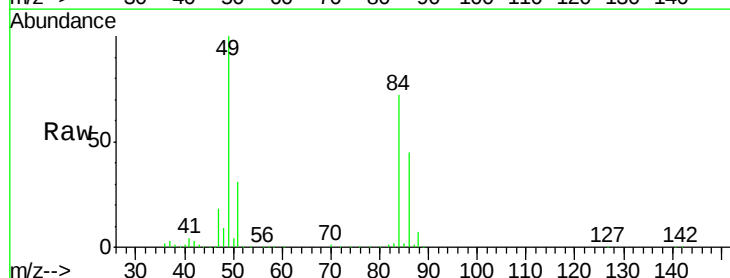
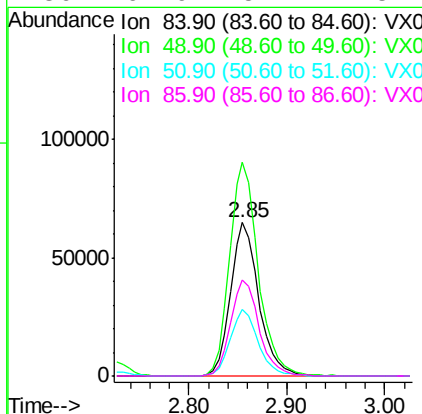
MMDadoda
 4/22/2019 10:50:49 AM

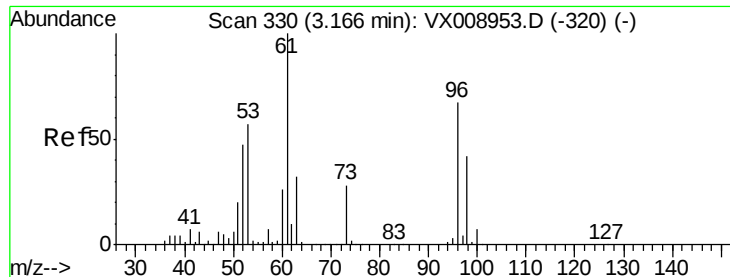


#20

Methylene Chloride
 Concen: 46.975 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX009059.D
 Acq: 19 Apr 2019 10:36

Tgt Ion	84	Resp	129883
Ion	Ratio	Lower	Upper
84	100		
49	139.2	115.4	173.0
51	43.6	35.8	53.6
86	62.9	52.1	78.1





#21

trans-1,2-Dichloroethene

Concen: 48.459 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Instrument :

MSVOA_X

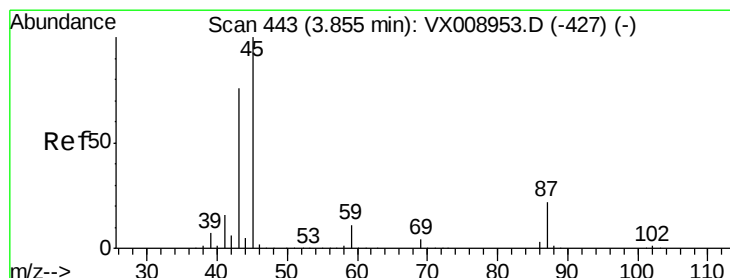
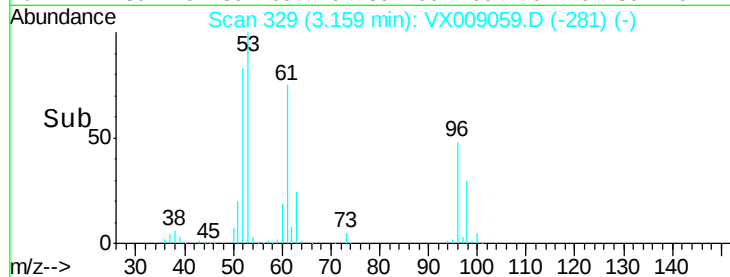
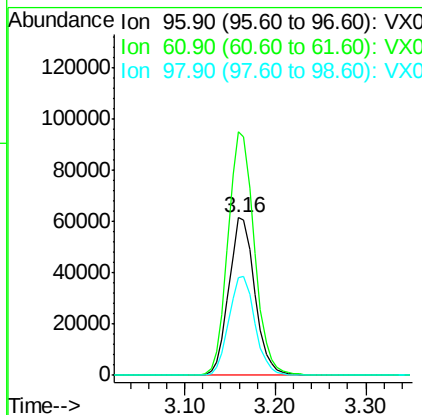
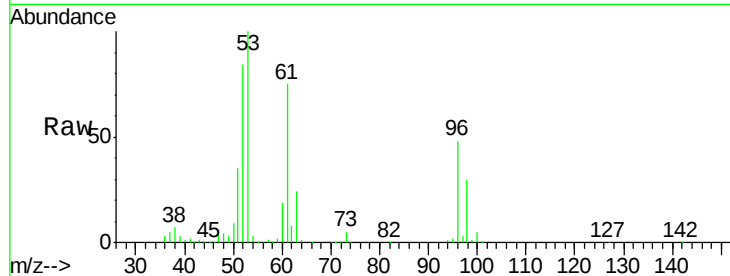
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	122624
Ion	Ratio	Lower	Upper
96	100		
61	154.5	120.3	180.5
98	61.8	50.2	75.2

Manual Integrations
APPROVED

MMDadoda
4/22/2019 10:50:49 AM



#22

Diisopropyl ether

Concen: 51.449 ug/l

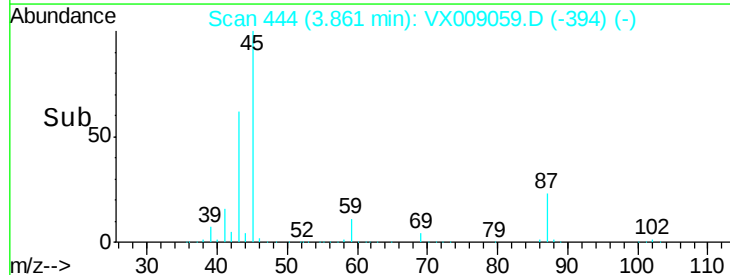
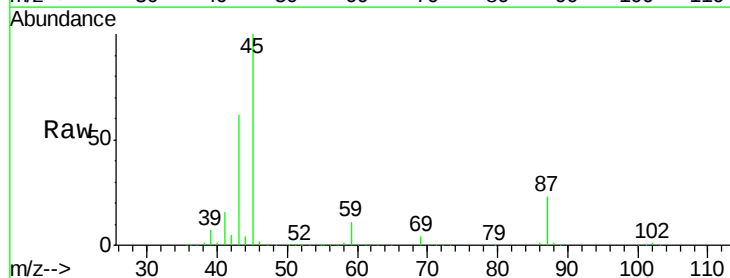
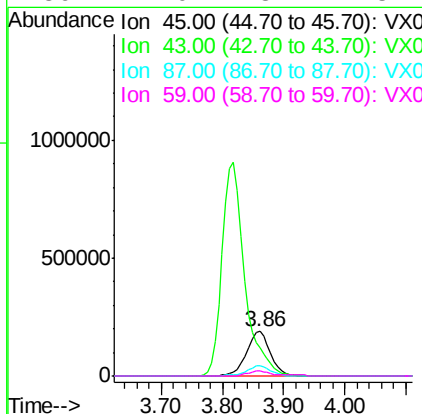
RT: 3.86 min Scan# 444

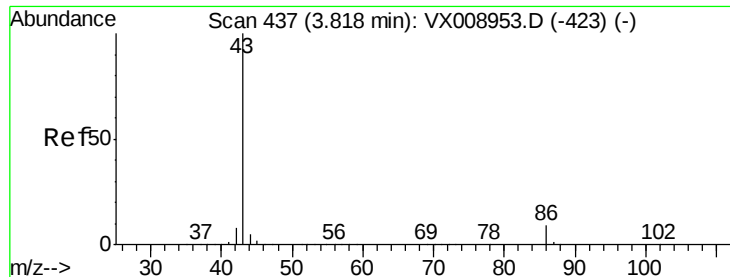
Delta R.T. 0.01 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Tgt Ion:	45	Resp:	517464
Ion	Ratio	Lower	Upper
45	100		
43	62.2	60.6	91.0
87	23.0	17.8	26.8
59	11.0	8.7	13.1





#23

Vinyl Acetate

Concen: 264.008 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 2334145

Ion Ratio Lower Upper

43 100

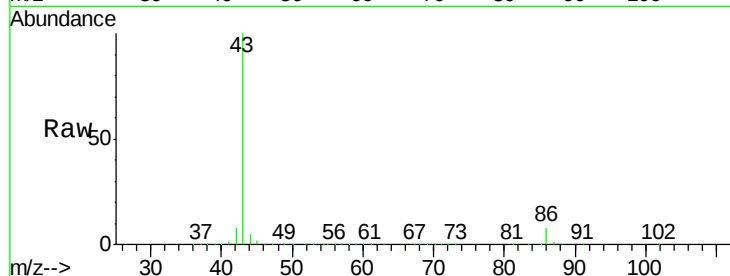
86 8.5 7.1 10.7

Manual Integrations

APPROVED

MMDadoda

4/22/2019 10:50:49 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

1000000

800000

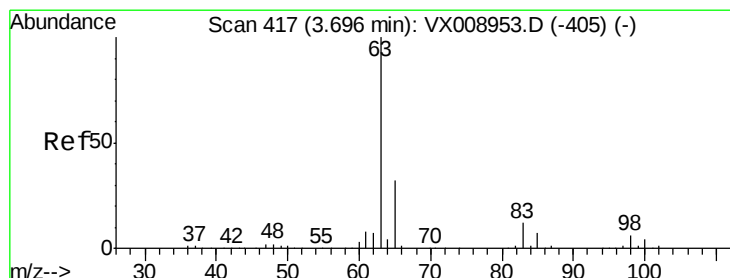
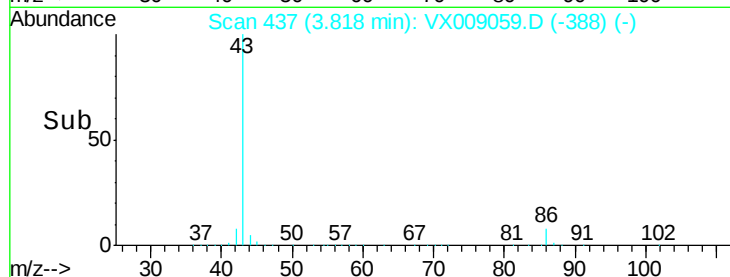
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.753 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

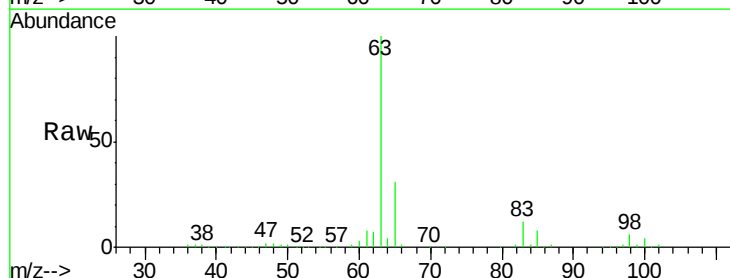
Tgt Ion: 63 Resp: 256245

Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.3

100 3.6 1.9 5.7



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

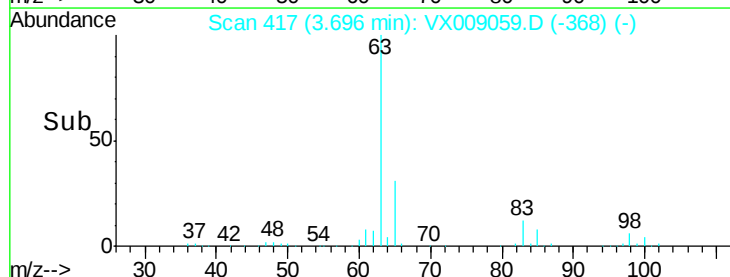
3.70

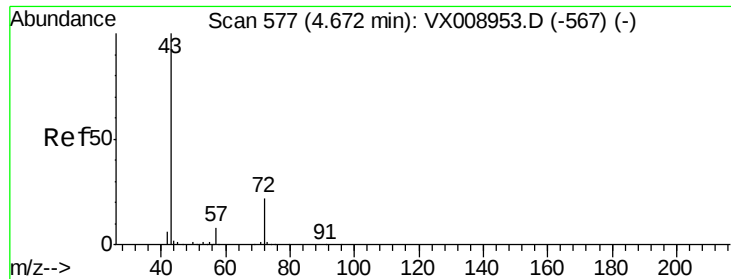
100000

50000

0

Time-->





#25

2-Butanone

Concen: 260.691 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 673719

Ion Ratio Lower Upper

43 100

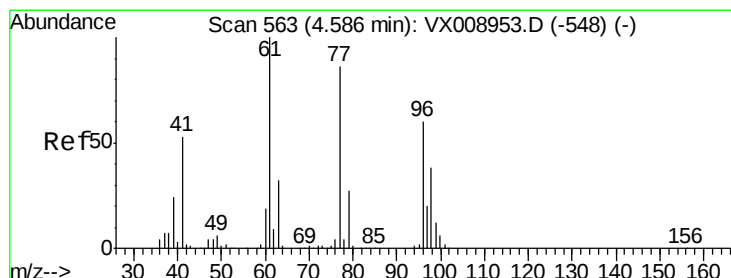
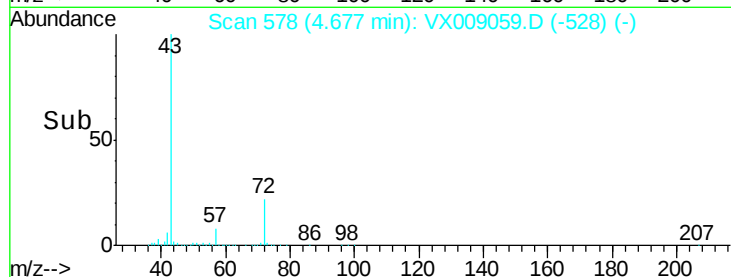
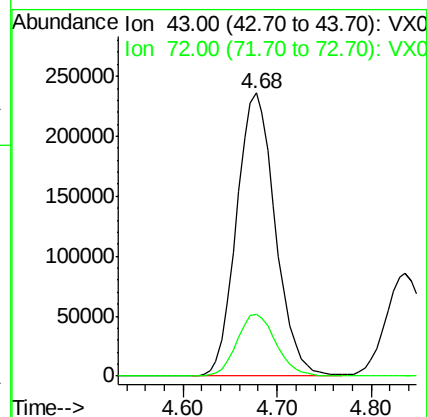
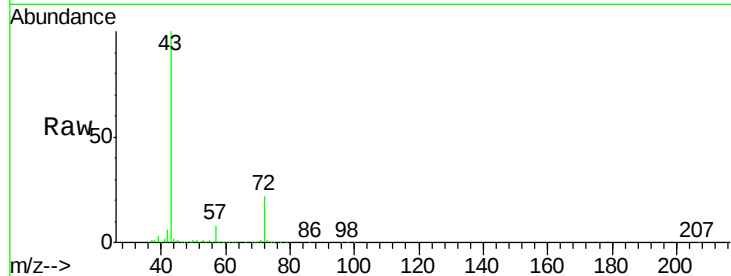
72 21.9 17.5 26.3

Manual Integrations

APPROVED

MMDadoda

4/22/2019 10:50:49 AM



#26

2,2-Dichloropropane

Concen: 51.319 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX009059.D

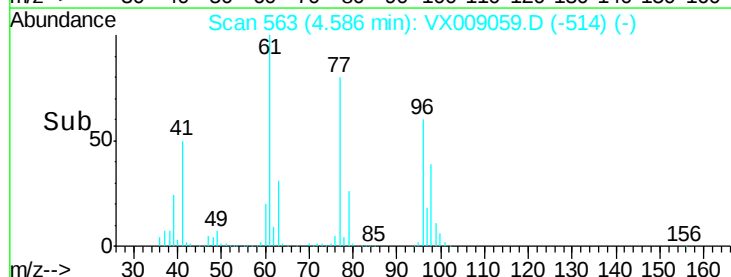
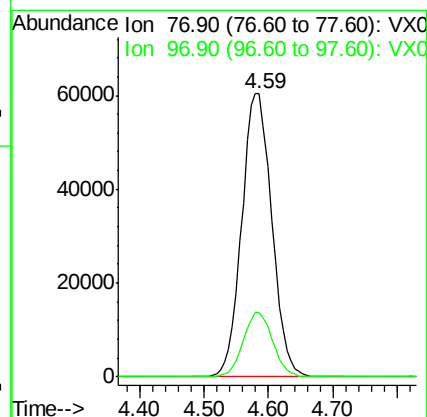
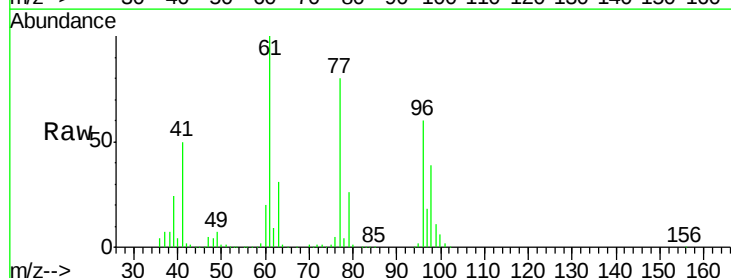
Acq: 19 Apr 2019 10:36

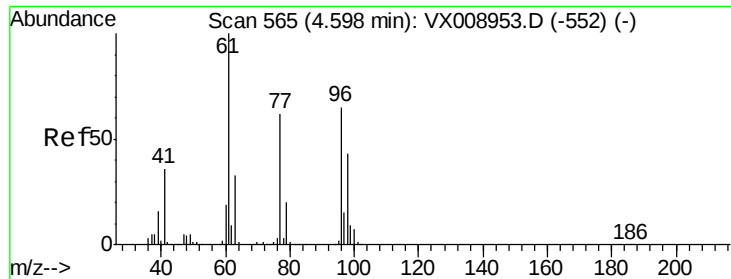
Tgt Ion: 77 Resp: 194220

Ion Ratio Lower Upper

77 100

97 22.4 11.7 35.0





#27

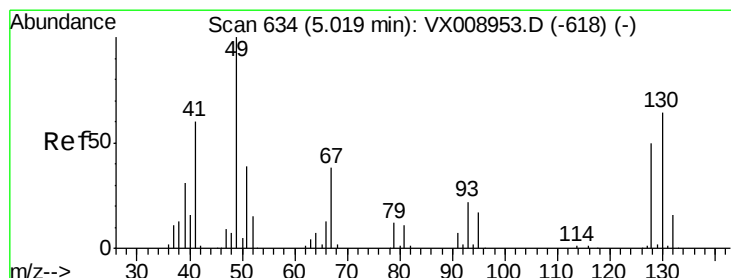
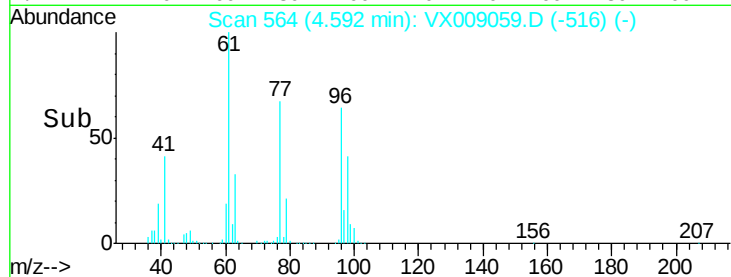
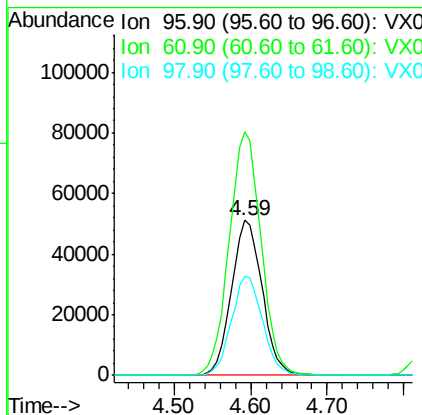
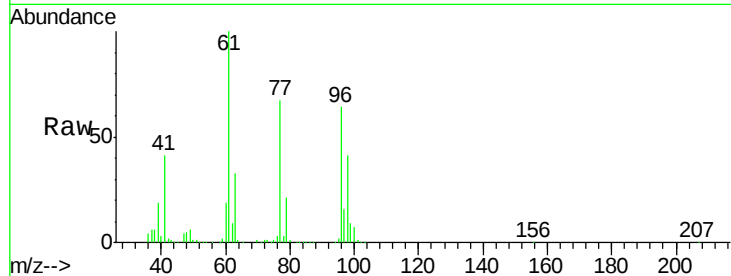
cis-1,2-Dichloroethene
Concen: 49.481 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	142160		
61	164.0	0.0	322.0	
98	64.8	0.0	128.4	

Manual Integrations
APPROVED

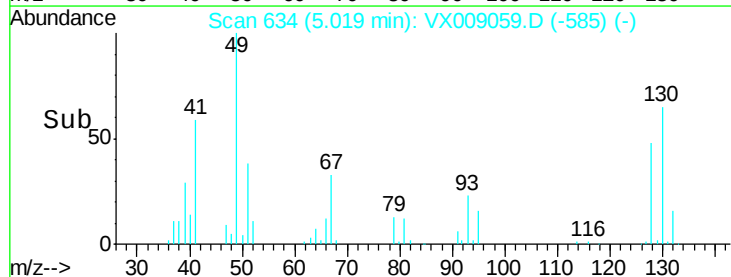
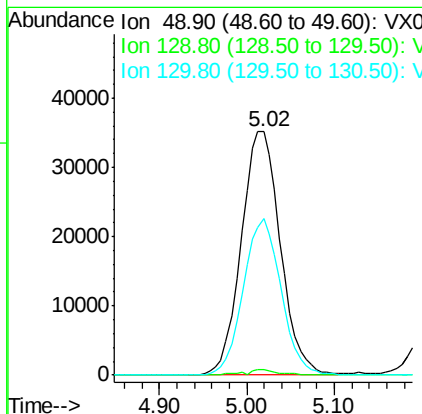
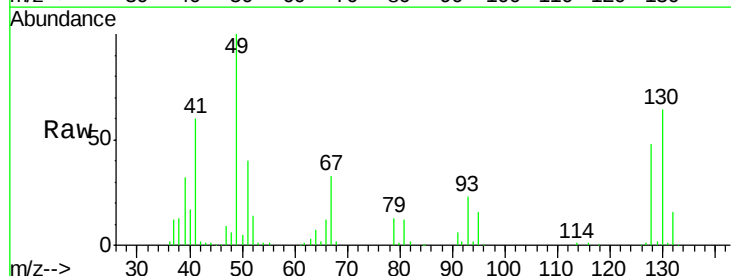
MMDadoda
4/22/2019 10:50:49 AM

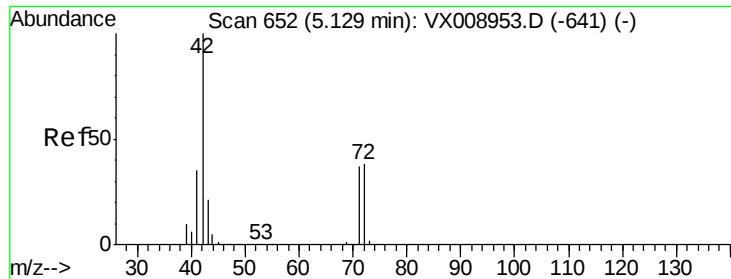


#28

Bromochloromethane
Concen: 52.300 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	109491		
129	1.8	0.0	3.6	
130	62.0	50.4	75.6	





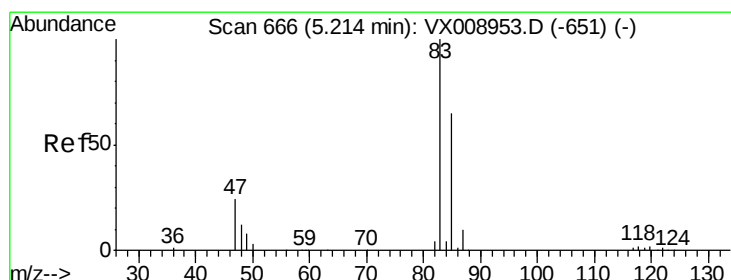
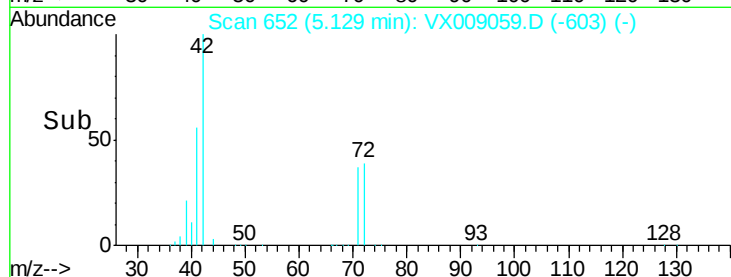
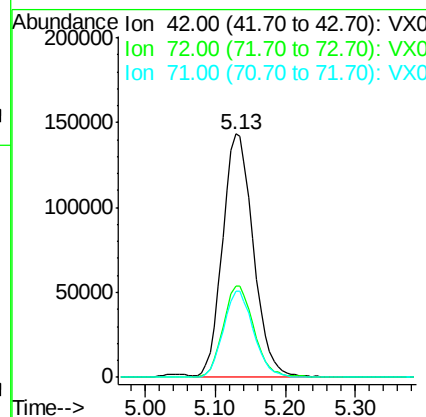
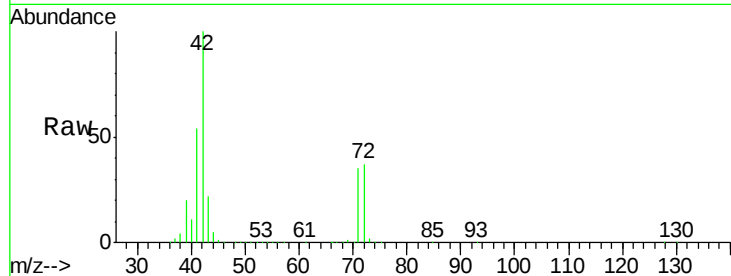
#29
Tetrahydrofuran
Concen: 251.951 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.0	30.6	45.8
71	35.1	28.8	43.2

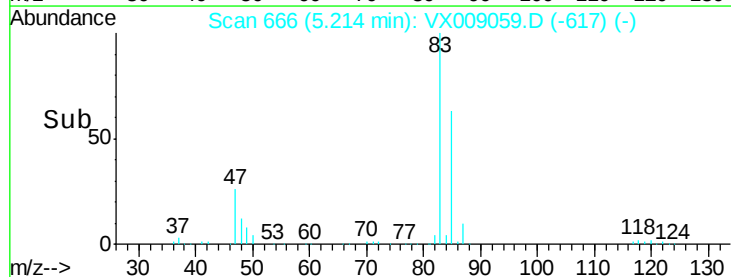
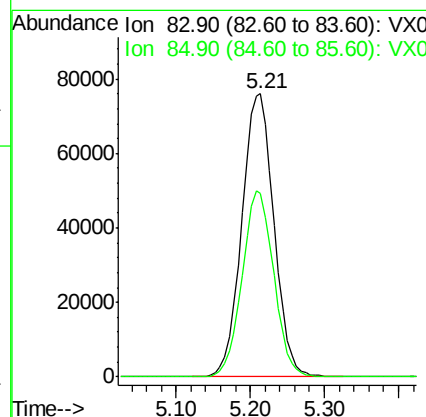
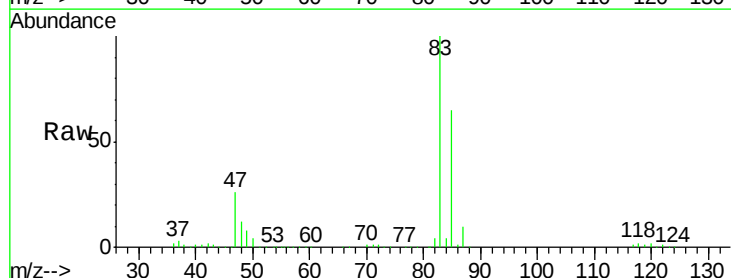
Manual Integrations
APPROVED

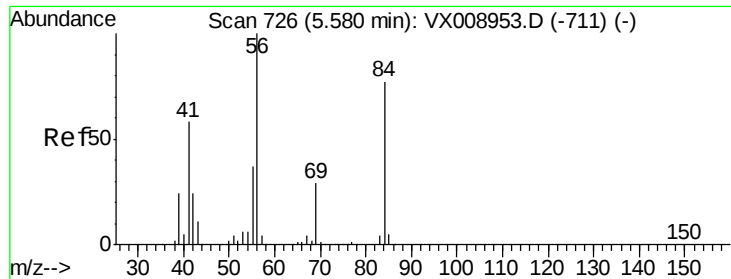
MMDadoda
4/22/2019 10:50:49 AM



#30
Chloroform
Concen: 50.957 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.9	77.9





#31

Cyclohexane

Concen: 50.835 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Instrument :

MSVOA_X

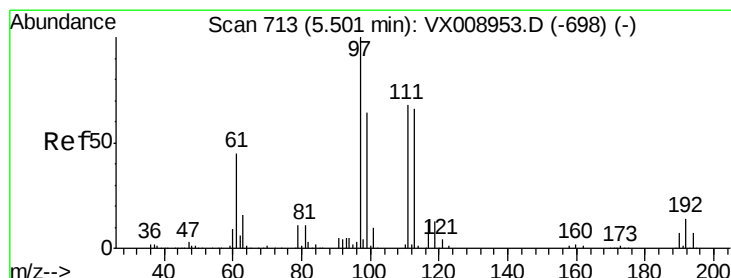
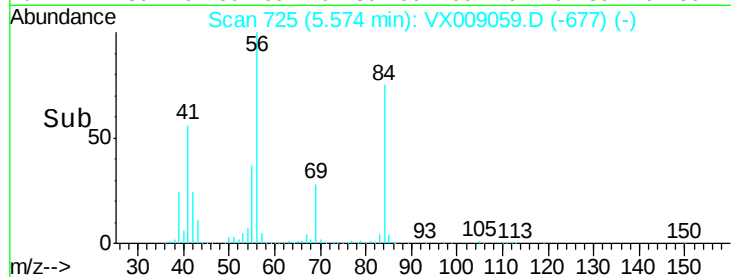
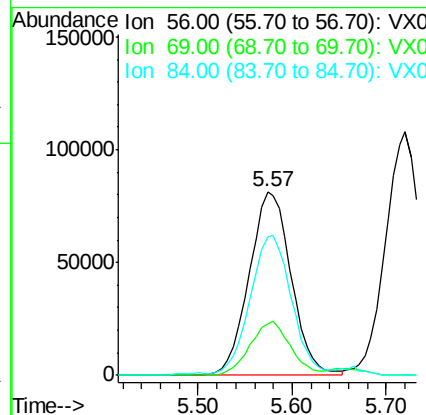
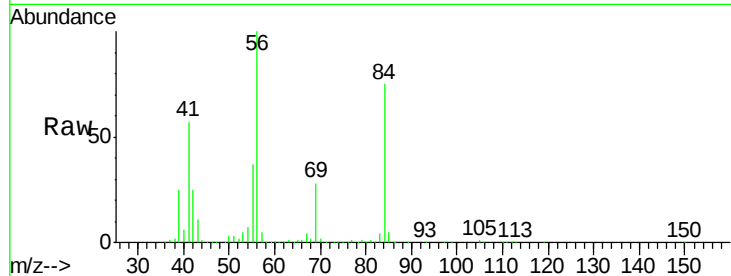
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.9	23.3	34.9
84	74.4	61.7	92.5

Manual Integrations
APPROVED

MMDadoda
4/22/2019 10:50:49 AM



#32

1,1,1-Trichloroethane

Concen: 51.549 ug/l

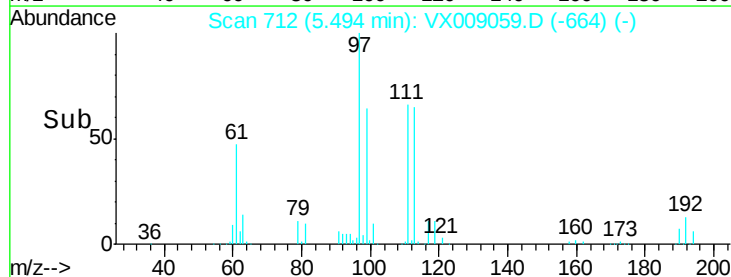
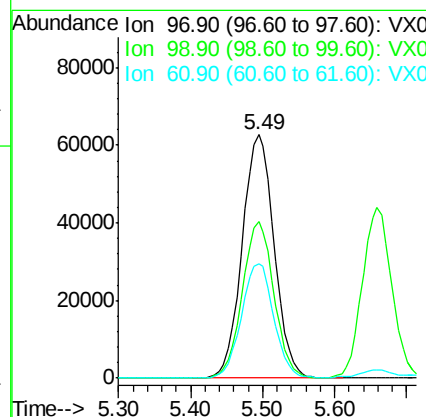
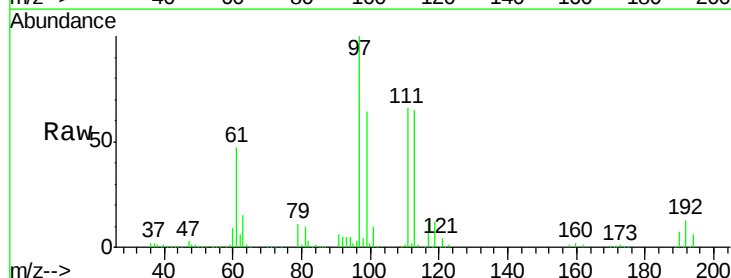
RT: 5.49 min Scan# 712

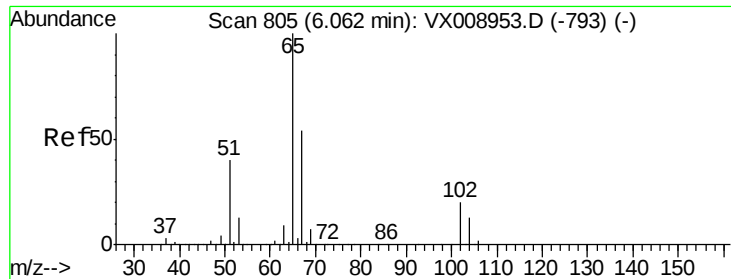
Delta R.T. -0.01 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.6	77.4
61	47.4	37.9	56.9





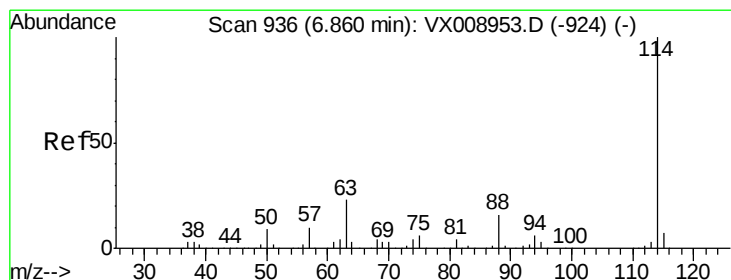
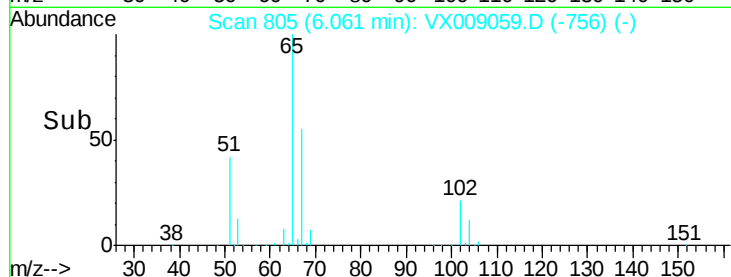
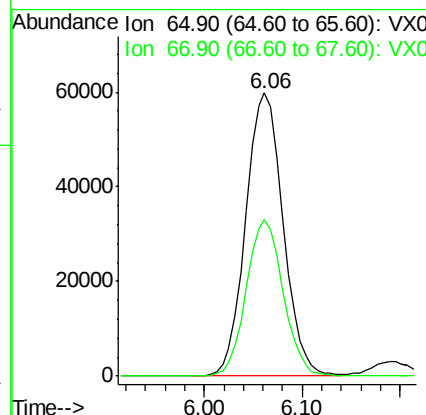
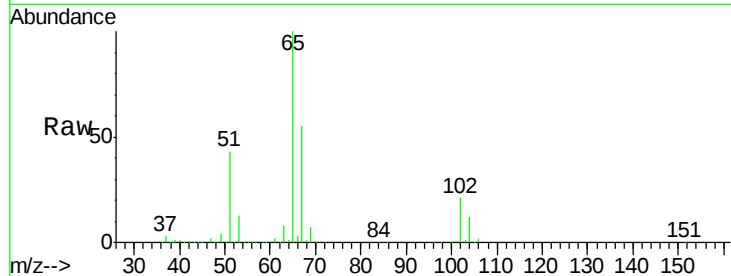
#33
 1,2-Dichloroethane-d4
 Concen: 50.889 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009059.D
 Acq: 19 Apr 2019 10:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	108.6

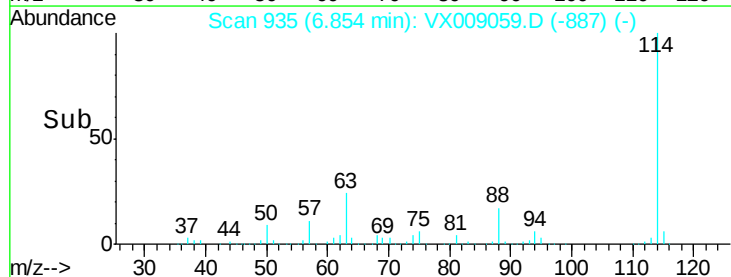
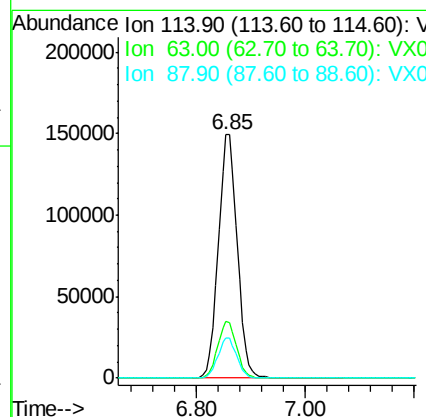
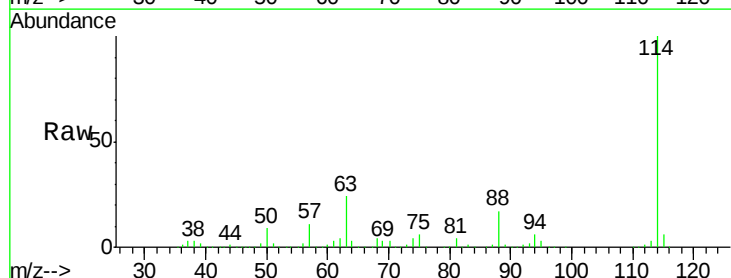
Manual Integrations
 APPROVED

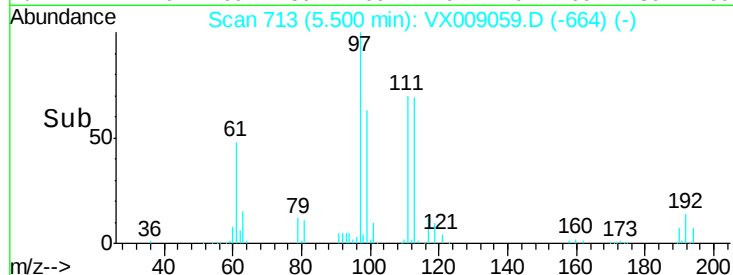
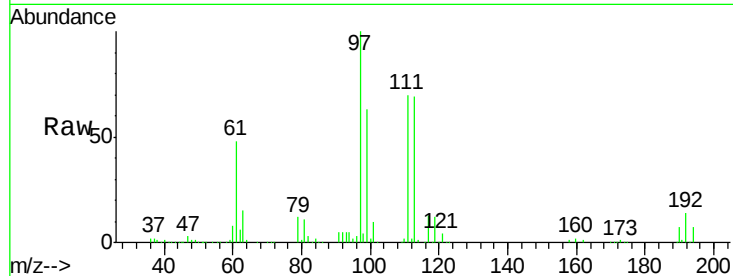
MMDadoda
 4/22/2019 10:50:49 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009059.D
 Acq: 19 Apr 2019 10:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	46.0
88	16.7	0.0	32.6





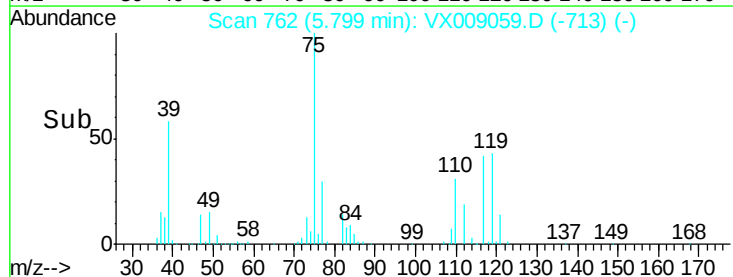
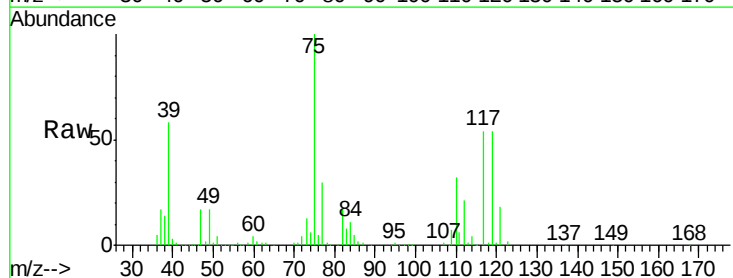
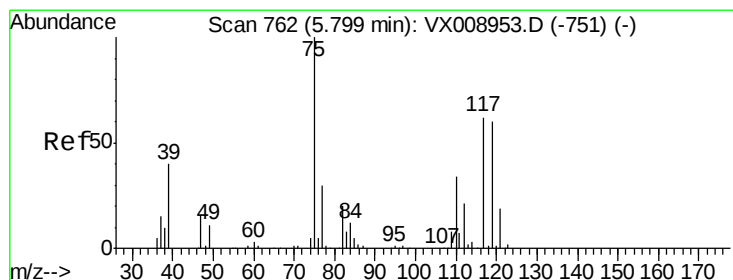
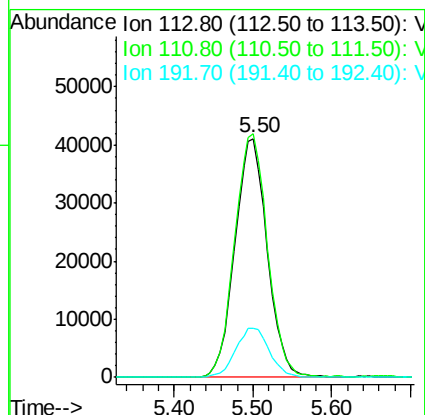
#35
Dibromofluoromethane
Concen: 50.874 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Tot Ion	Ratio	Resp	Lower	Upper
113	100	117288		
111	103.5	82.9	124.3	
192	21.5	17.4	26.0	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

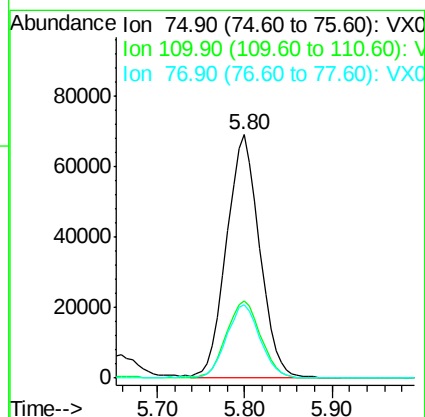
Manual Integrations
APPROVED

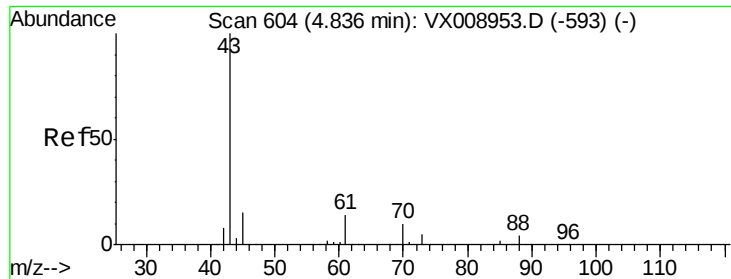
MMDadoda
4/22/2019 10:50:49 AM



#36
1,1-Dichloropropene
Concen: 48.710 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	180967		
110	33.1	16.9	50.7	
77	30.6	25.0	37.4	





#37

Ethyl Acetate

Concen: 52.328 ug/l

RT: 4.84 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Instrument :

MSVOA_X

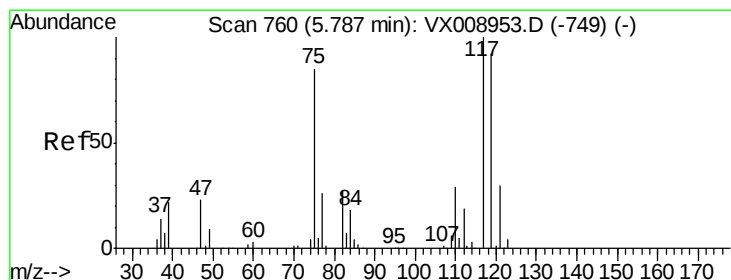
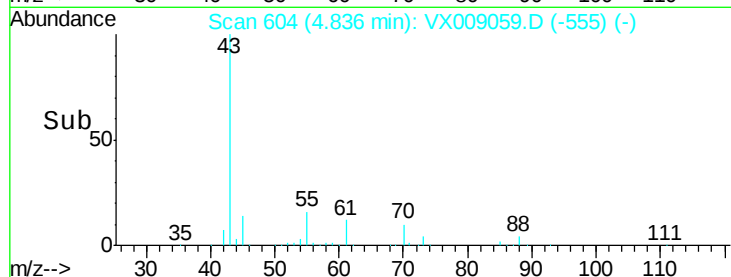
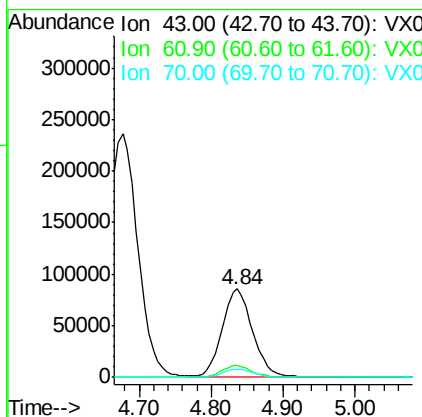
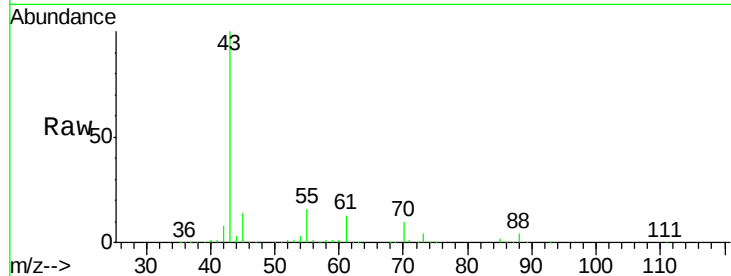
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	250161
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.6	15.8
70	9.5	7.7	11.5

Manual Integrations
APPROVED

MMDadoda
4/22/2019 10:50:49 AM



#38

Carbon Tetrachloride

Concen: 51.183 ug/l

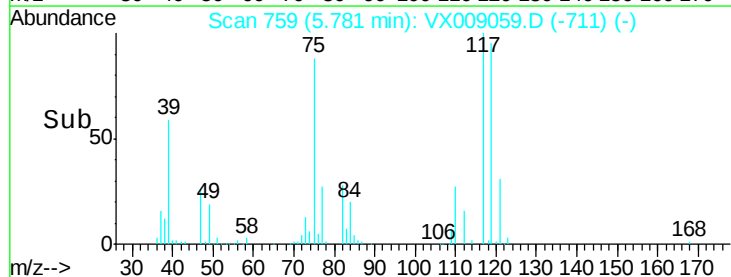
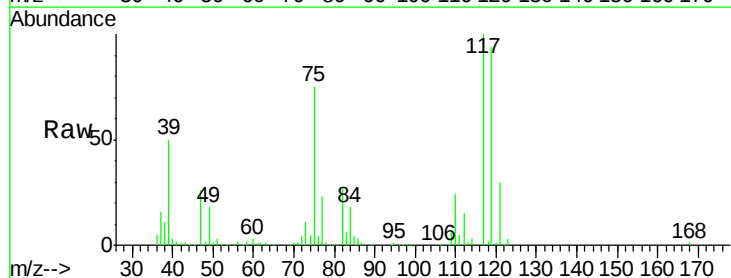
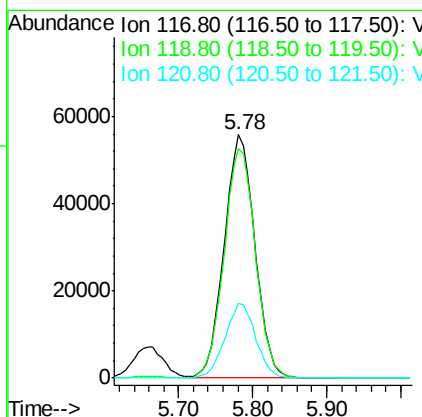
RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Tgt Ion:	117	Resp:	161206
Ion	Ratio	Lower	Upper
117	100		
119	94.3	73.8	110.8
121	30.5	23.6	35.4





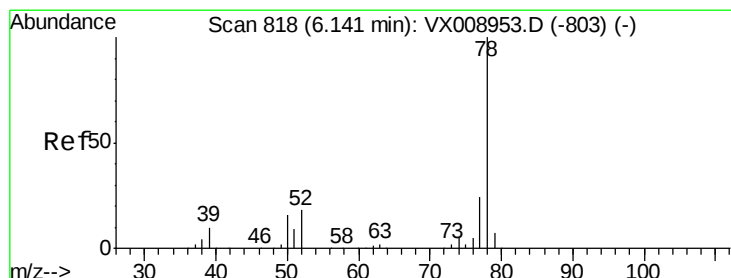
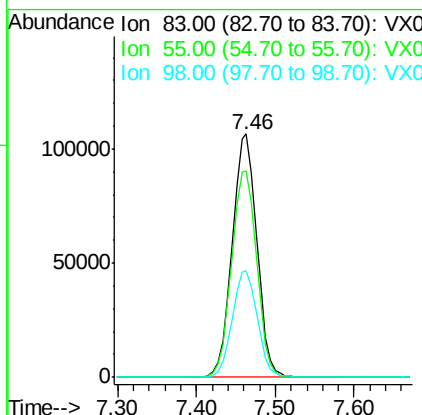
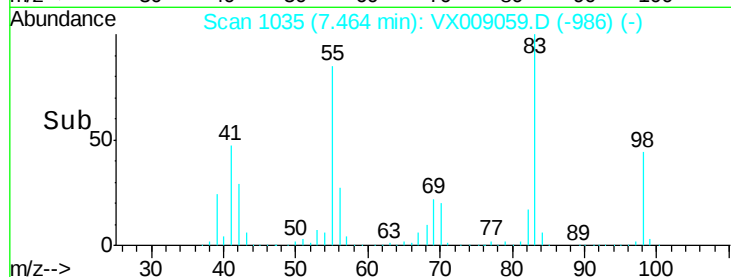
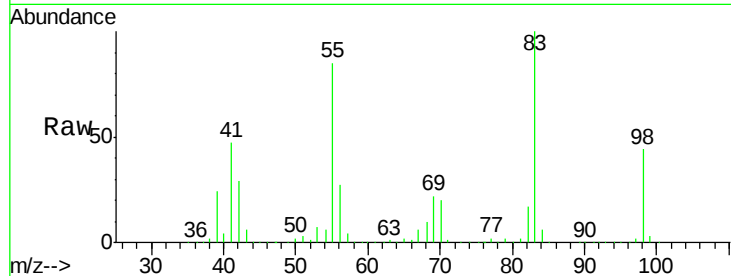
#39
Methvlcvclohexane
Concen: 51.245 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.6	67.1	100.7
98	43.9	35.1	52.7

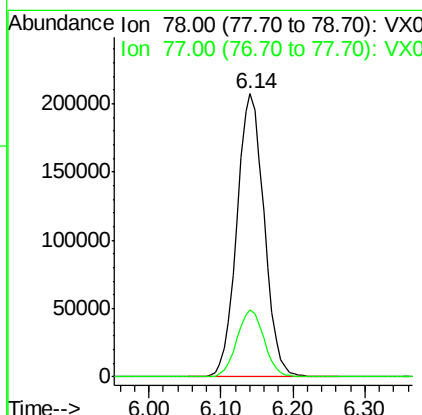
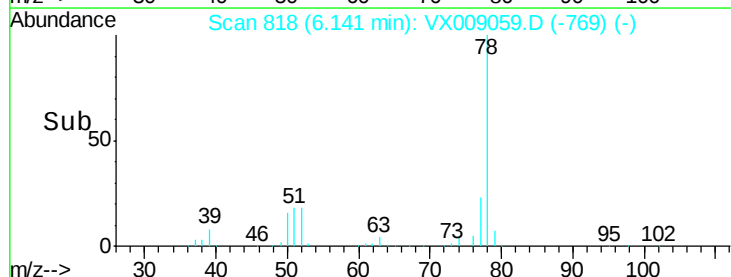
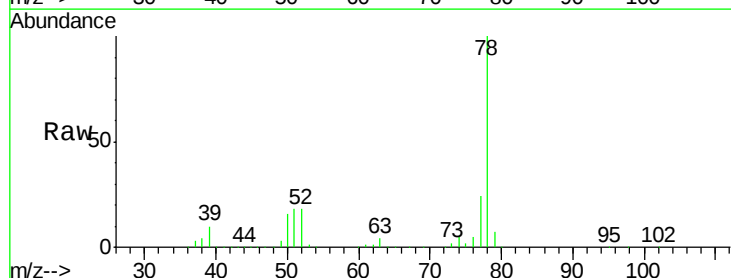
Manual Integrations
APPROVED

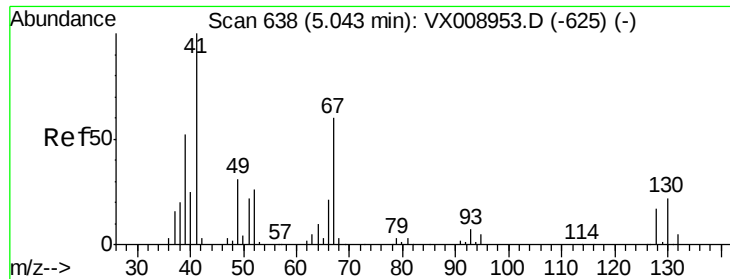
MMDadoda
4/22/2019 10:50:49 AM



#40
Benzene
Concen: 49.582 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6





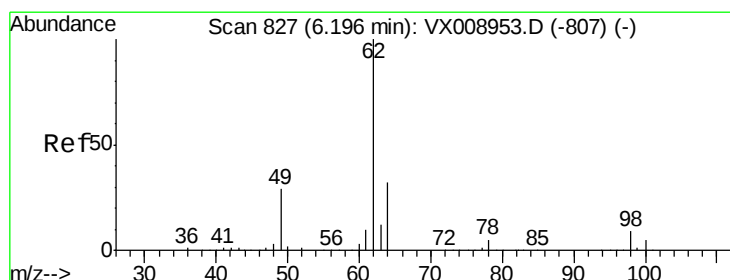
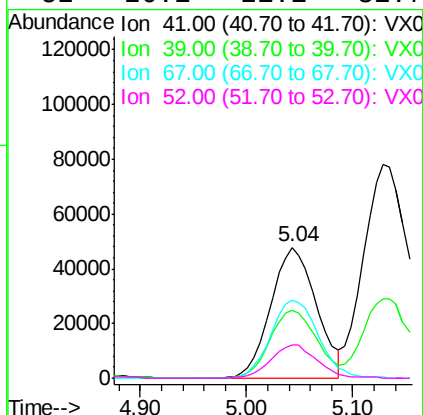
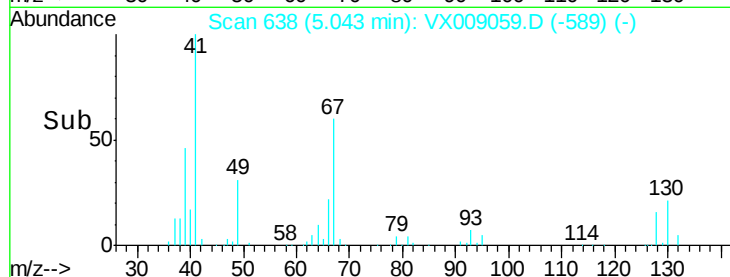
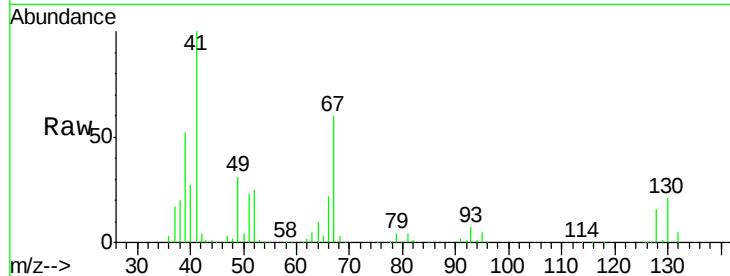
#41
Methacrylonitrile
Concen: 51.448 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
141158	41	100		
	39	53.2	41.8	62.6
	67	62.6	50.2	75.4
	52	26.1	21.1	31.7

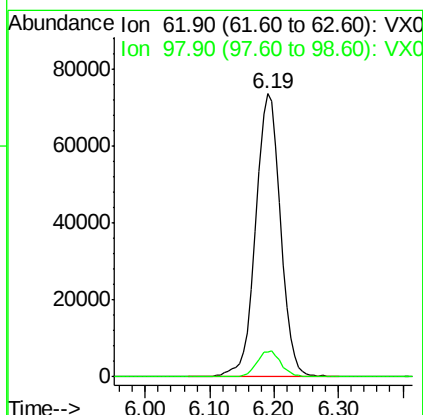
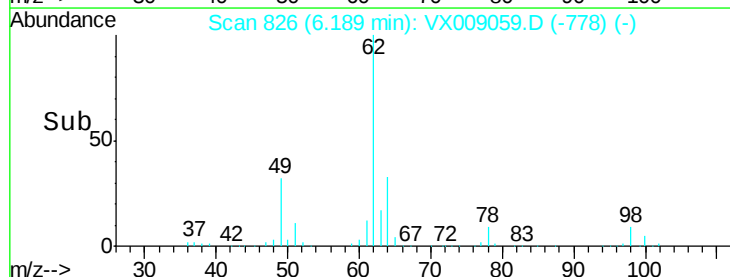
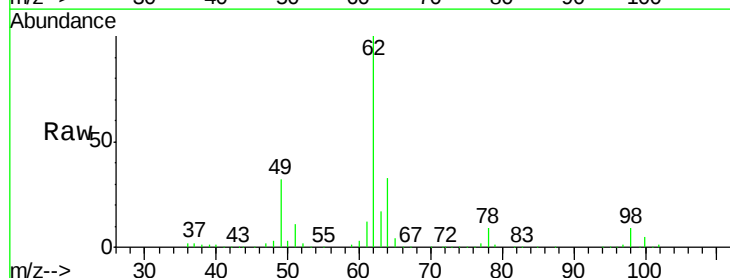
Manual Integrations
APPROVED

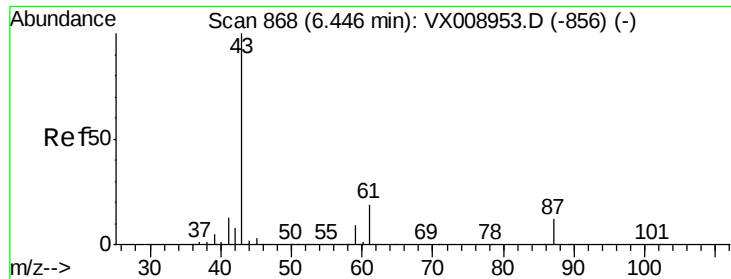
MMDadoda
4/22/2019 10:50:49 AM



#42
1,2-Dichloroethane
Concen: 50.210 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Tgt Ion	Ion	Ratio	Lower	Upper
194941	62	100		
	98	8.9	0.0	18.4





#43

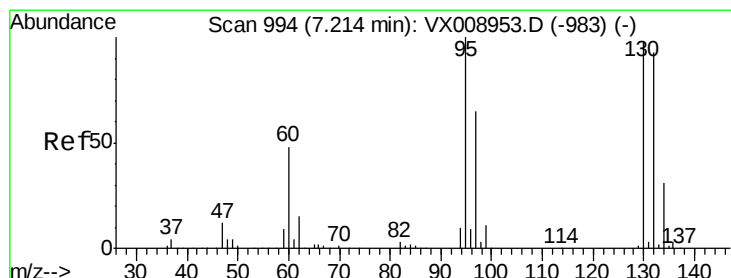
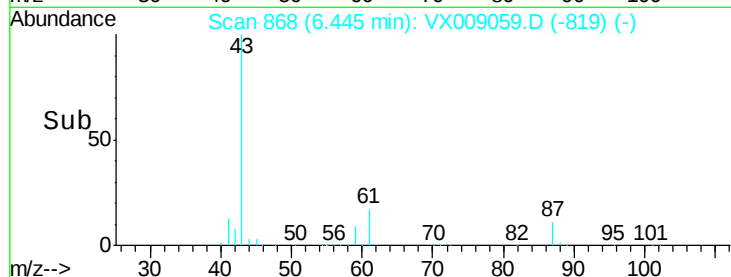
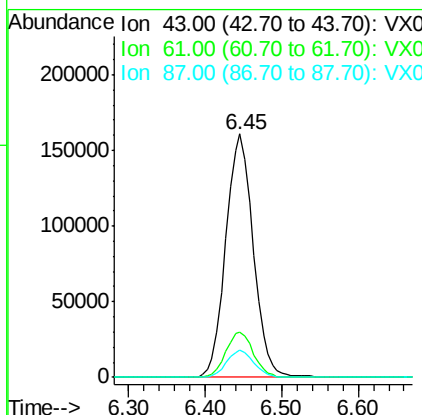
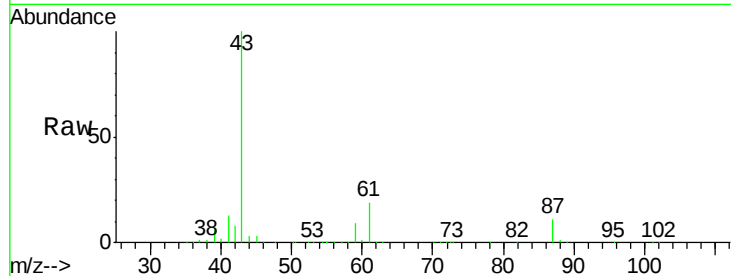
Isopropyl Acetate
 Concen: 51.640 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009059.D
 Acq: 19 Apr 2019 10:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.4	23.0
87	11.1	9.0	13.4

Manual Integrations
 APPROVED

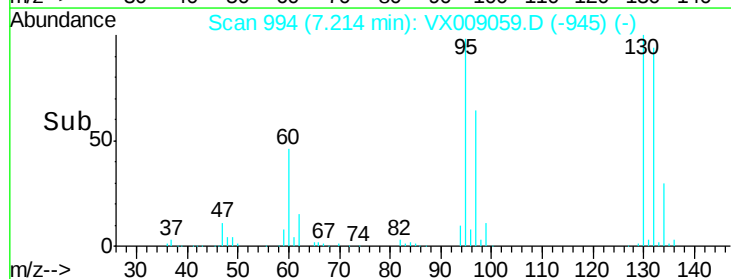
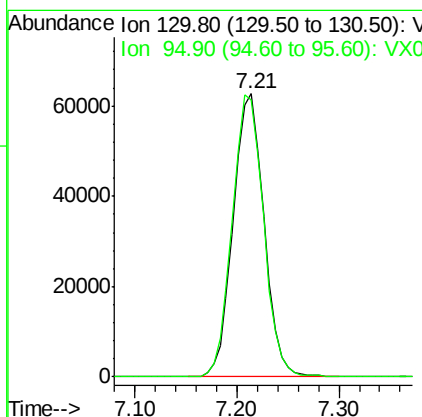
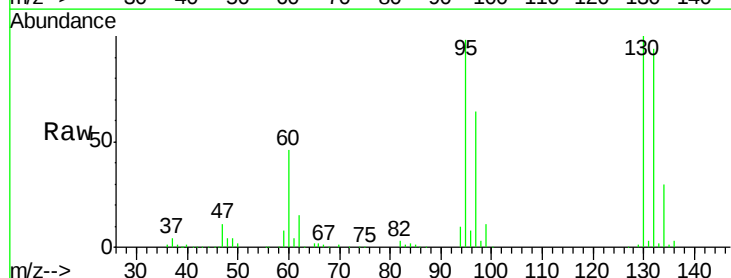
MMDadoda
 4/22/2019 10:50:49 AM

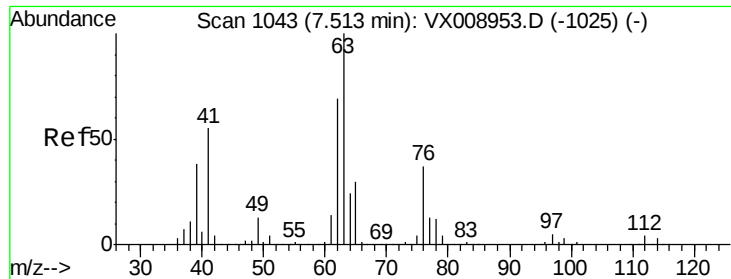


#44

Trichloroethene
 Concen: 48.826 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009059.D
 Acq: 19 Apr 2019 10:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	203.2





#45

1,2-Dichloropropane

Concen: 51.355 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 156152

Ion Ratio Lower Upper

63 100

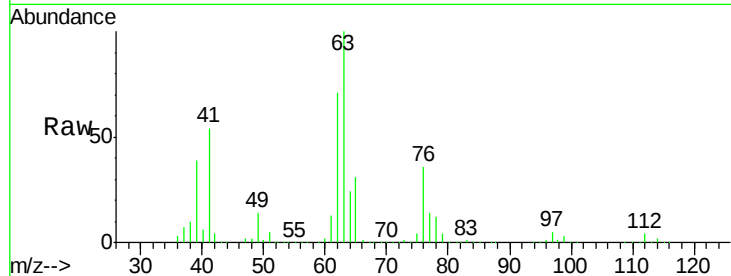
65 31.2 24.1 36.1

Manual Integrations

APPROVED

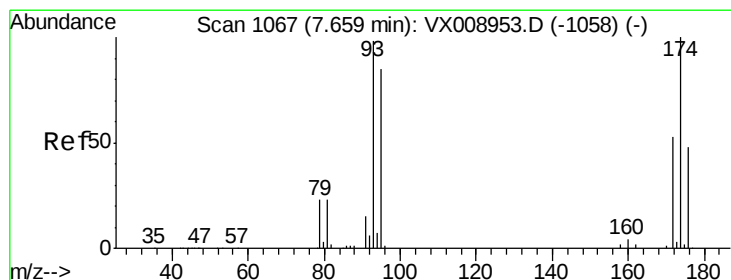
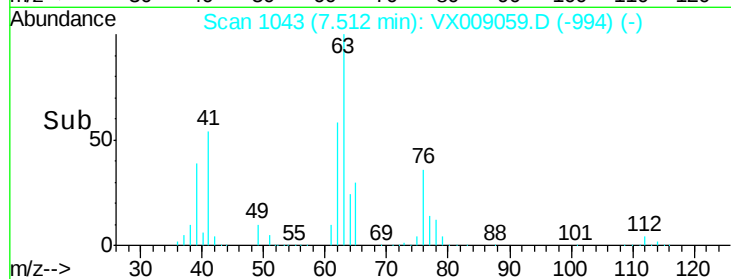
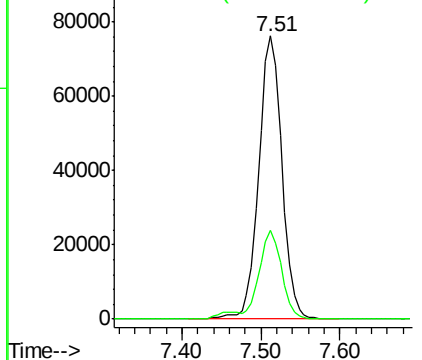
MMDadoda

4/22/2019 10:50:49 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 49.592 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

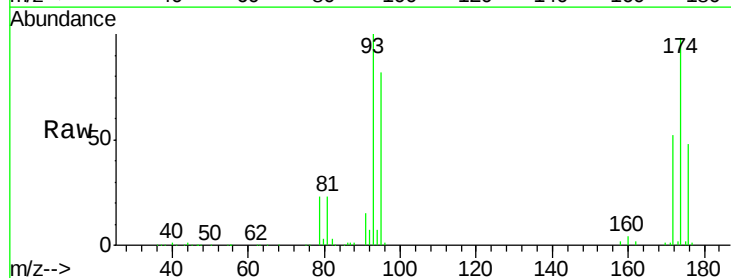
Tgt Ion: 93 Resp: 87755

Ion Ratio Lower Upper

93 100

95 83.4 67.0 100.4

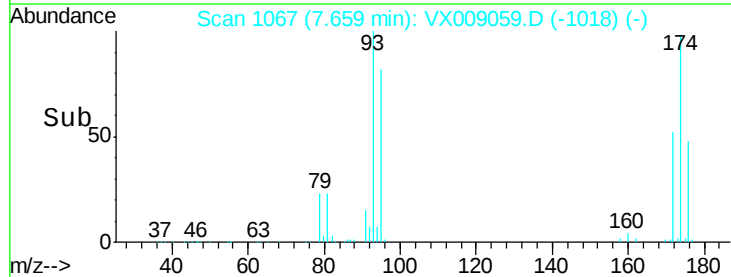
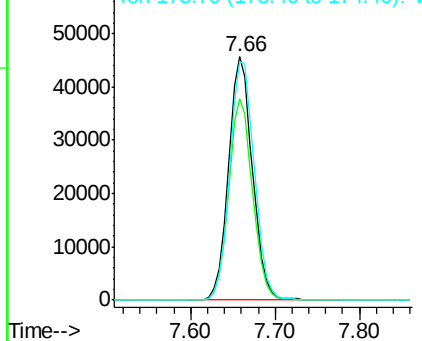
174 100.7 81.6 122.4

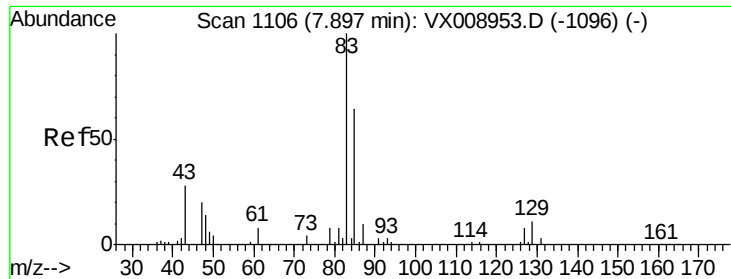


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.315 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Instrument :

MSVOA_X

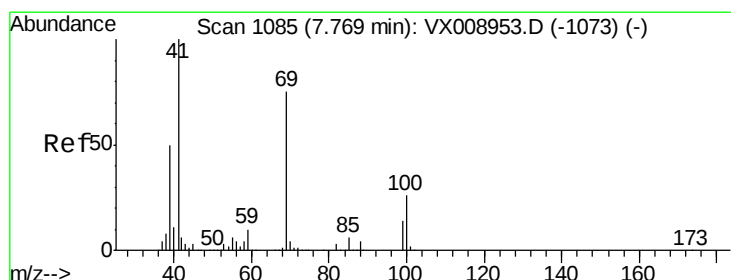
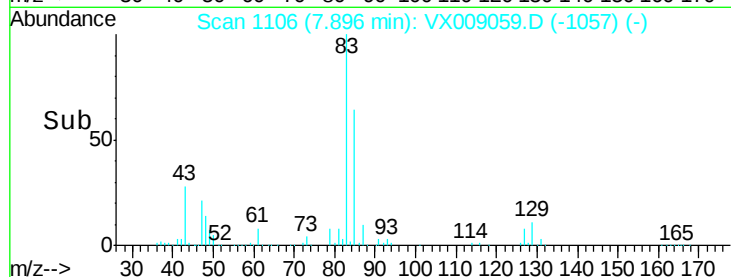
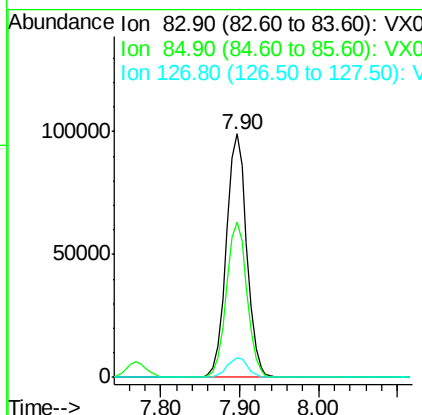
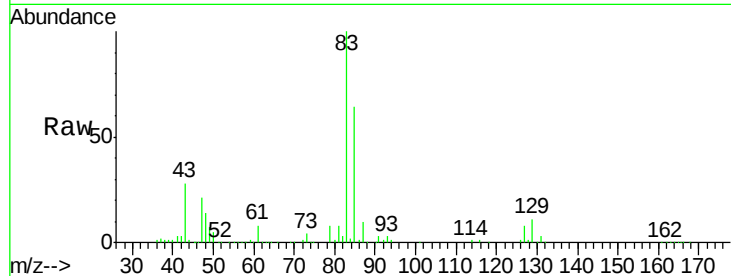
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	178103
Ion Ratio	Lower	Upper	
83	100		
85	64.0	50.8	76.2
127	8.0	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
4/22/2019 10:50:49 AM



#48

Methyl methacrylate

Concen: 51.711 ug/l

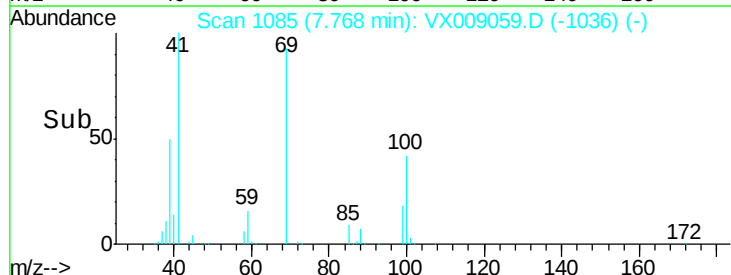
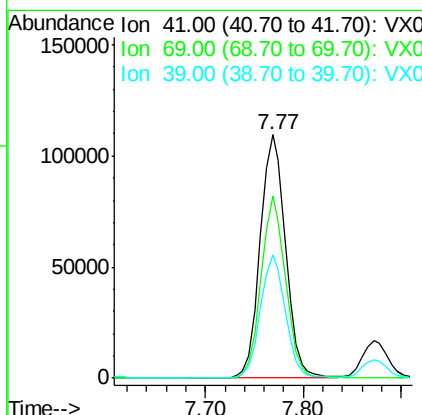
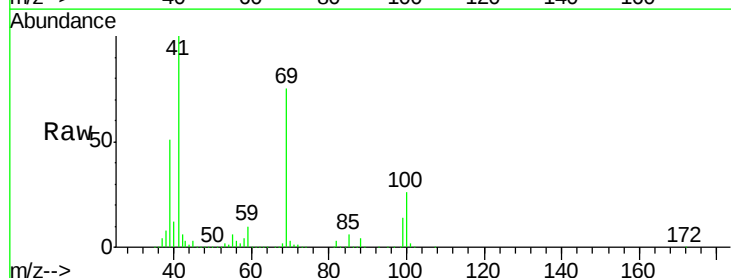
RT: 7.77 min Scan# 1085

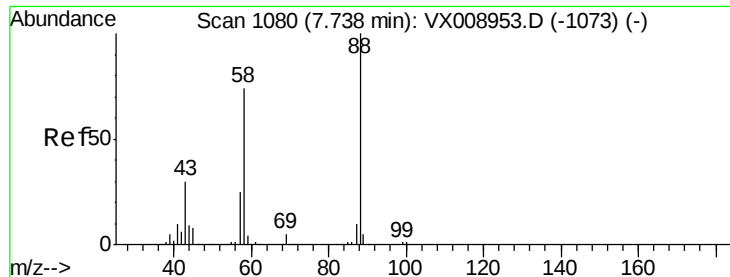
Delta R.T. -0.00 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Tgt Ion:	41	Resp:	196842
Ion Ratio	Lower	Upper	
41	100		
69	72.9	59.4	89.2
39	49.9	39.8	59.6





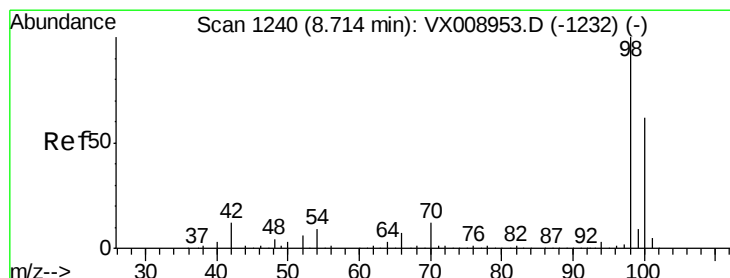
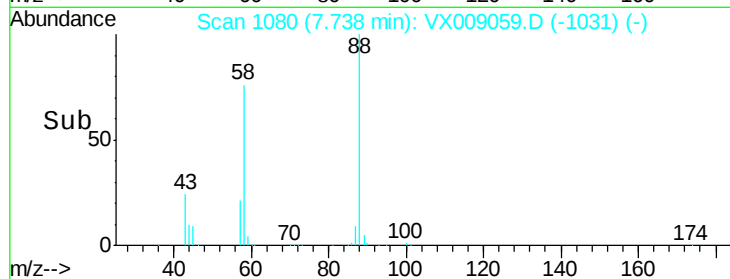
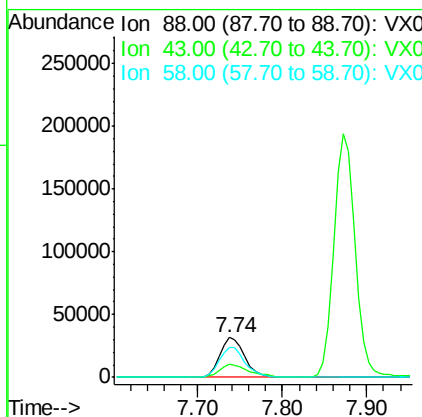
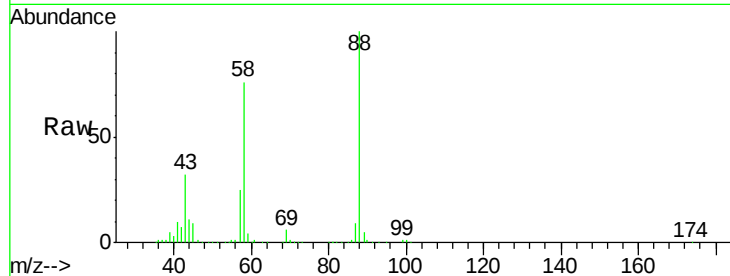
#49
1,4-Dioxane
Concen: 888.546 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.1	29.3	43.9
58	79.9	62.6	93.8

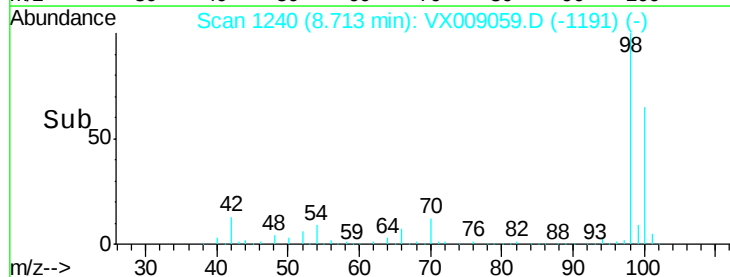
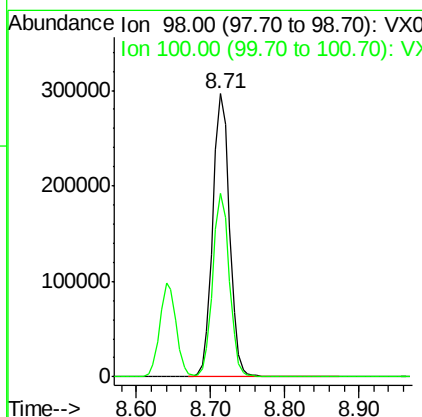
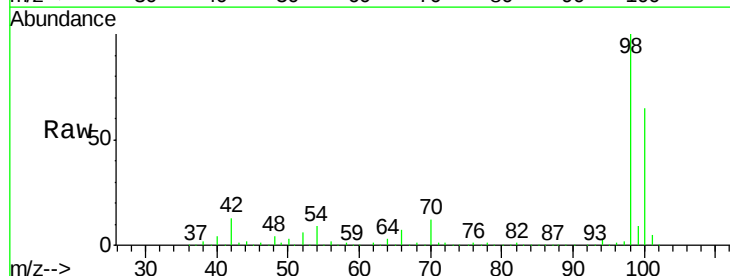
Manual Integrations
APPROVED

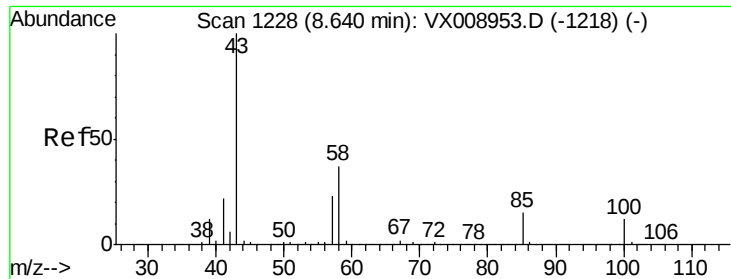
MMDadoda
4/22/2019 10:50:49 AM



#50
Toluene-d8
Concen: 49.945 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.4	77.2





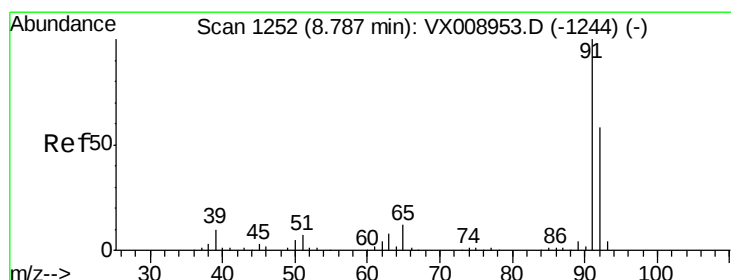
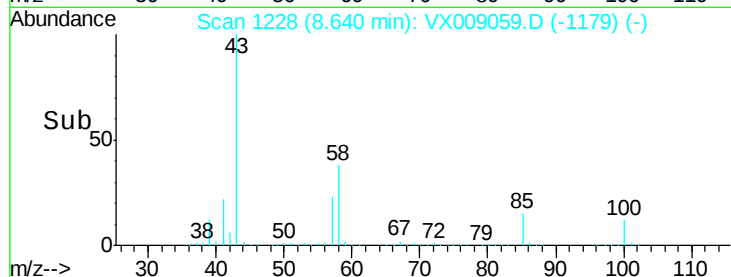
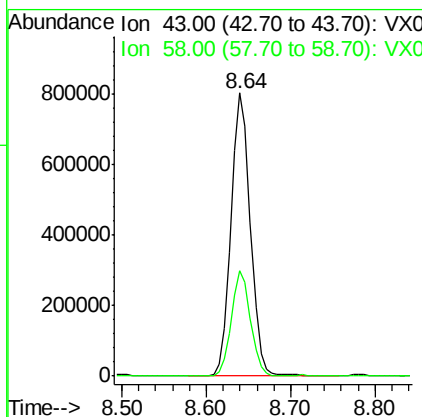
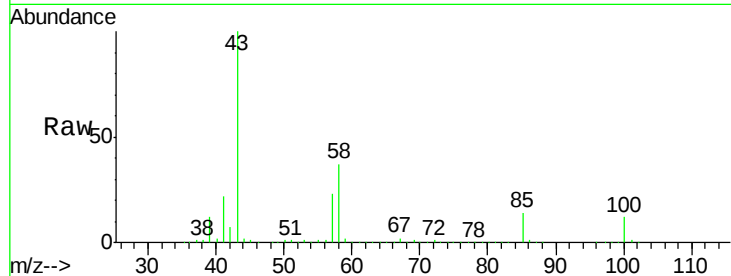
#51
4-Methyl-2-Pentanone
Concen: 254.922 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1251160
Ion Ratio Lower Upper
43 100
58 36.7 29.8 44.6

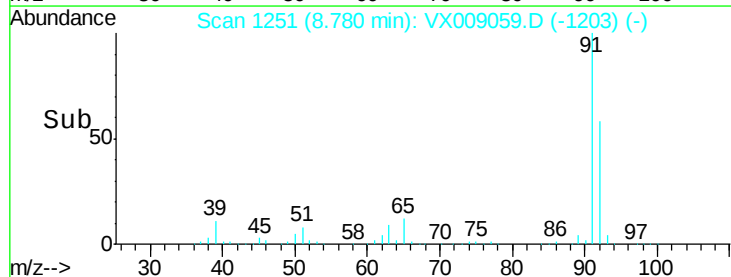
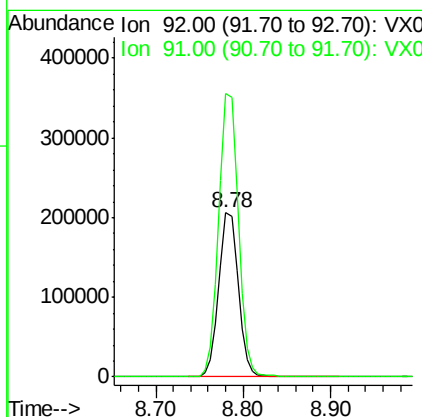
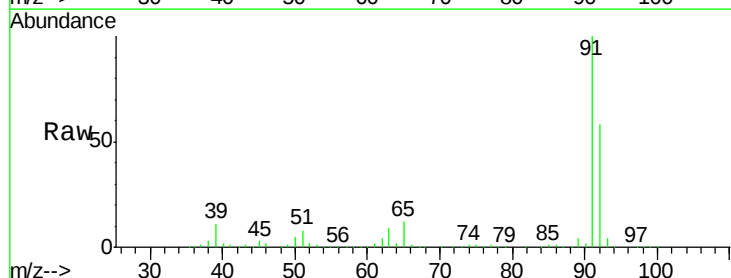
Manual Integrations
APPROVED

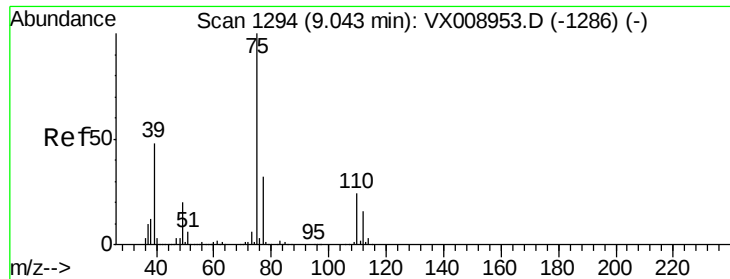
MMDadoda
4/22/2019 10:50:49 AM



#52
Toluene
Concen: 48.790 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Tgt Ion: 92 Resp: 320483
Ion Ratio Lower Upper
92 100
91 174.1 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 52.416 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 209366

Ion Ratio Lower Upper

75 100

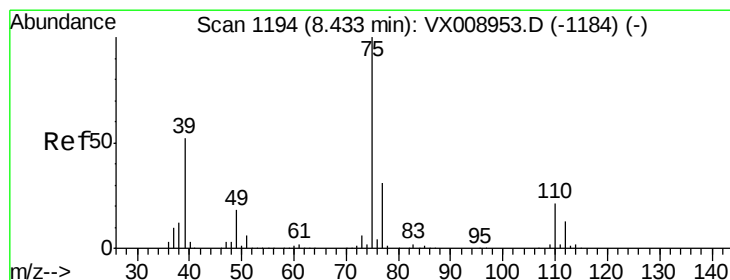
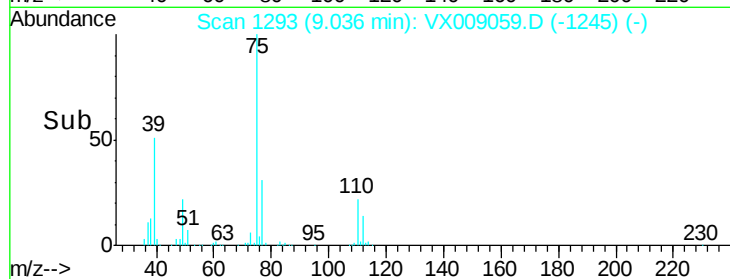
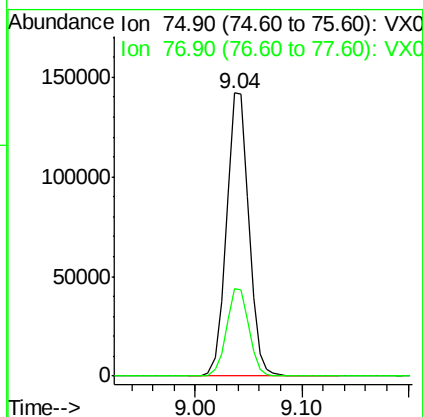
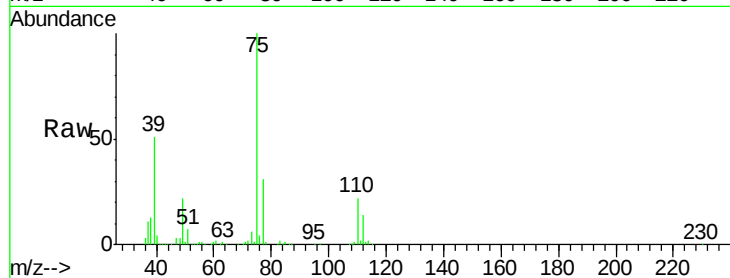
77 31.1 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

4/22/2019 10:50:49 AM



#54

cis-1,3-Dichloropropene

Concen: 51.602 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

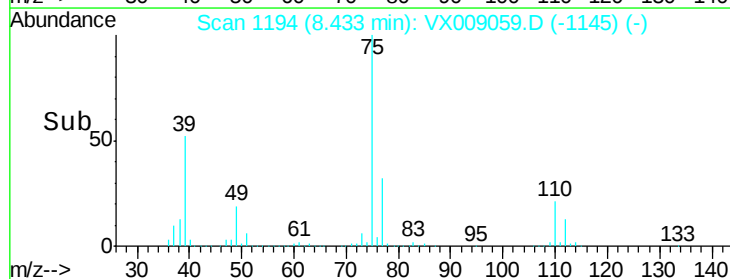
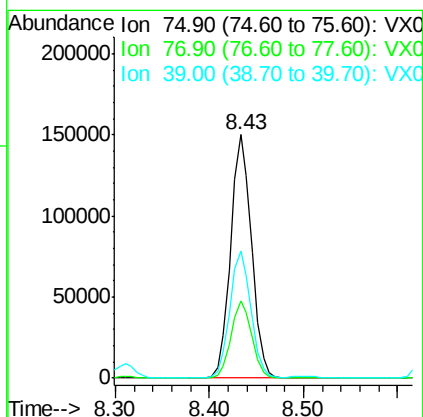
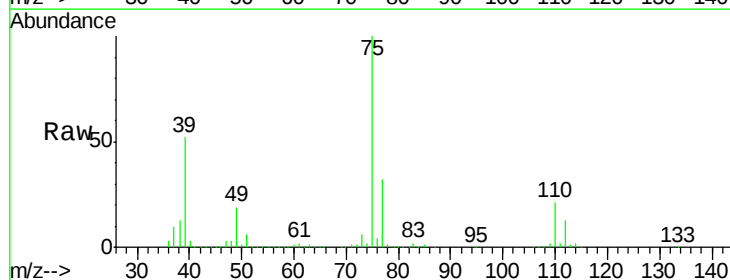
Tgt Ion: 75 Resp: 230792

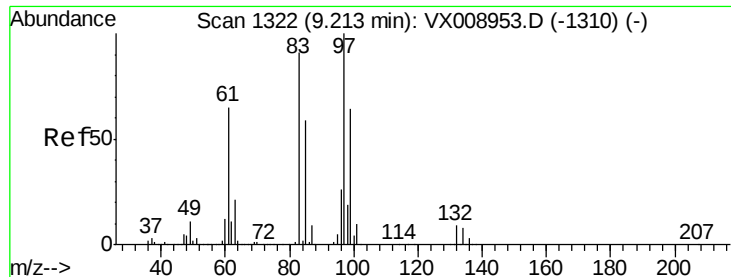
Ion Ratio Lower Upper

75 100

77 31.8 24.8 37.2

39 52.2 41.8 62.6





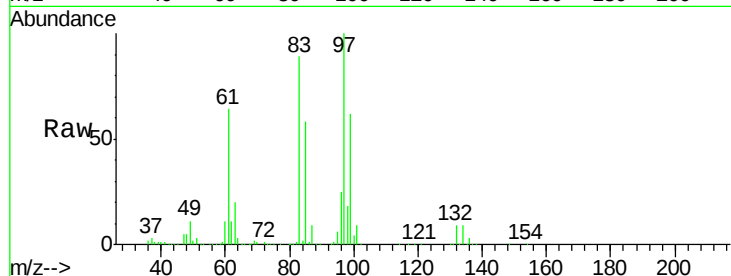
#55
 1,1,2-Trichloroethane
 Concen: 50.238 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009059.D
 Acq: 19 Apr 2019 10:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

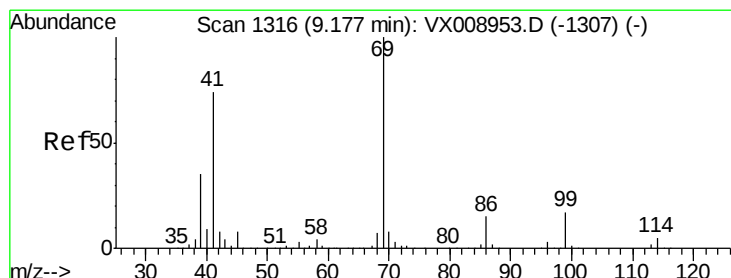
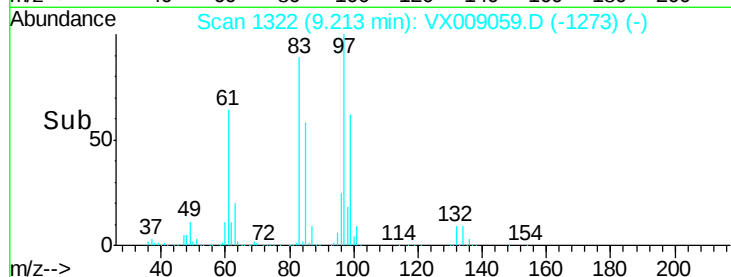
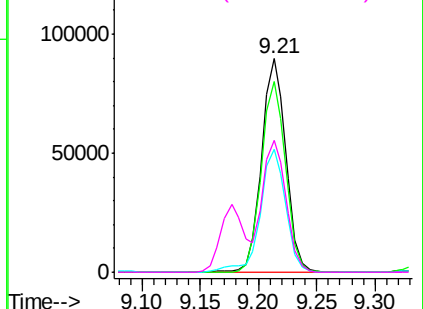
Tot Ion:	97	Resp:	130786
Ion	Ratio	Lower	Upper
97	100		
83	89.2	72.6	108.8
85	57.8	46.9	70.3
99	61.8	51.0	76.6

Manual Integrations
 APPROVED

MMDadoda
 4/22/2019 10:50:49 AM

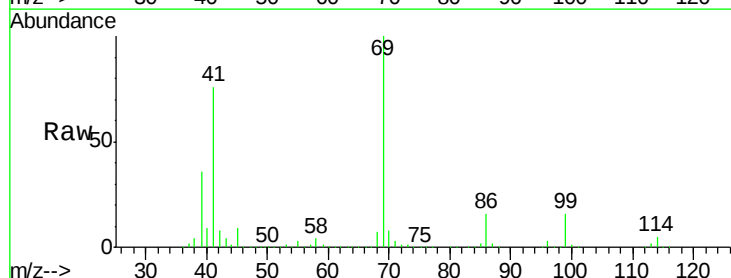


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

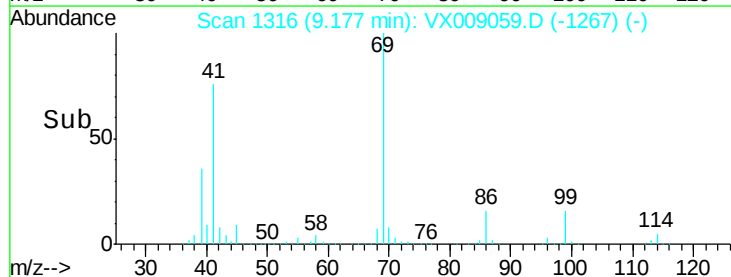
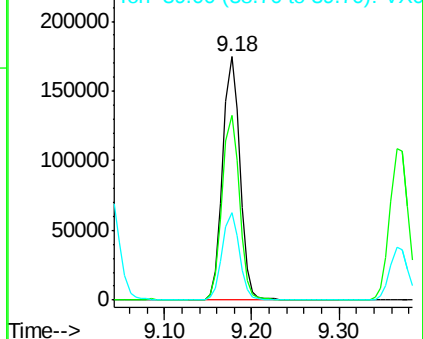


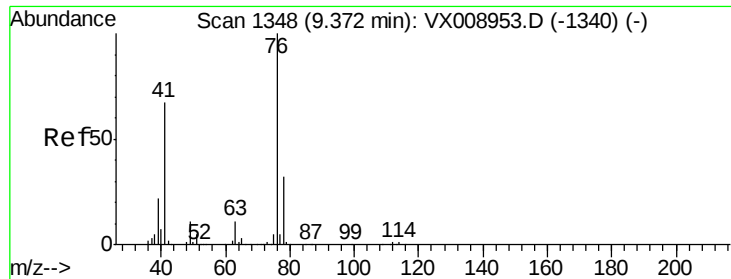
#56
 Ethyl methacrylate
 Concen: 51.032 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009059.D
 Acq: 19 Apr 2019 10:36

Tgt Ion:	69	Resp:	238214
Ion	Ratio	Lower	Upper
69	100		
41	76.1	60.2	90.2
39	35.8	27.9	41.9



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





#57

1,3-Dichloropropane

Concen: 50.212 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 232741

Ion Ratio Lower Upper

76 100

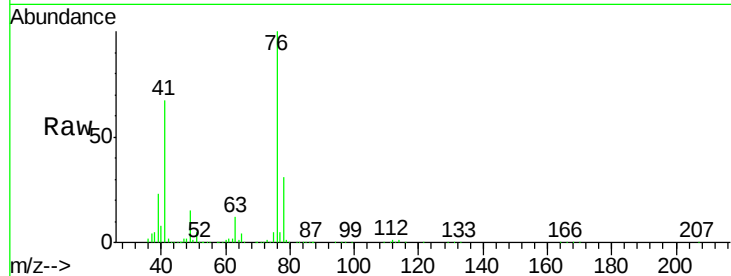
78 31.7 25.7 38.5

Manual Integrations

APPROVED

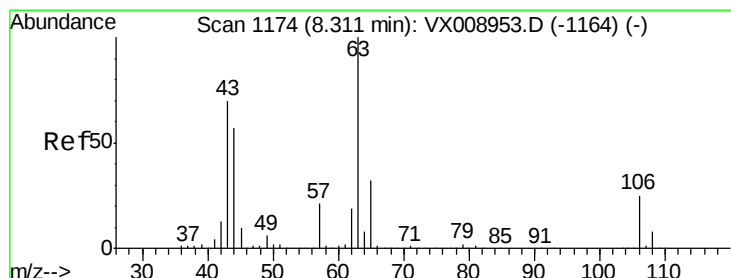
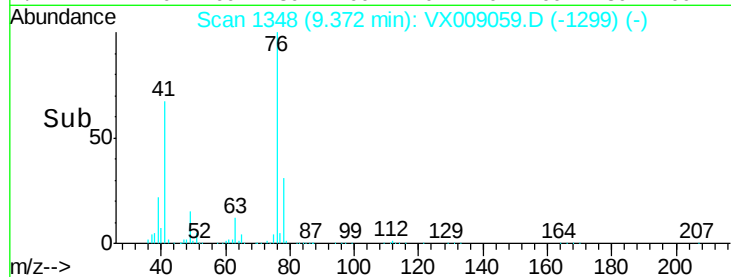
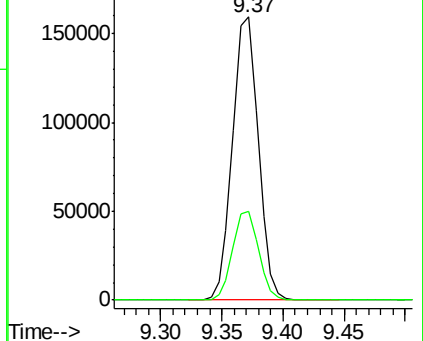
MMDadoda

4/22/2019 10:50:49 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 256.487 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009059.D

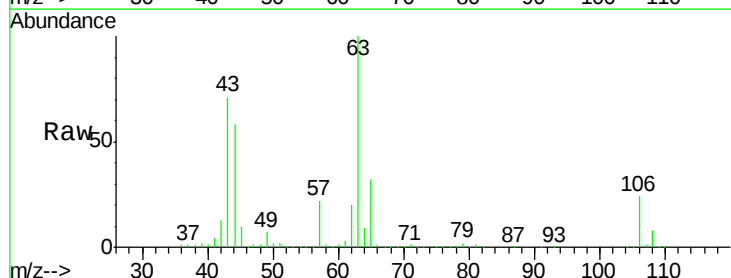
Acq: 19 Apr 2019 10:36

Tgt Ion: 63 Resp: 644735

Ion Ratio Lower Upper

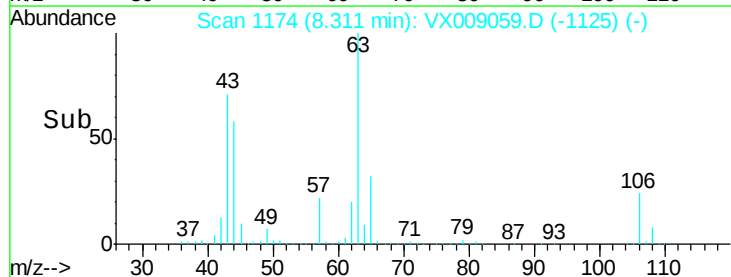
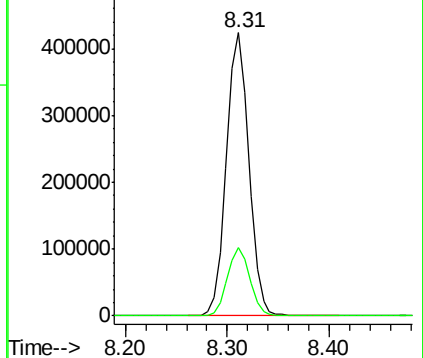
63 100

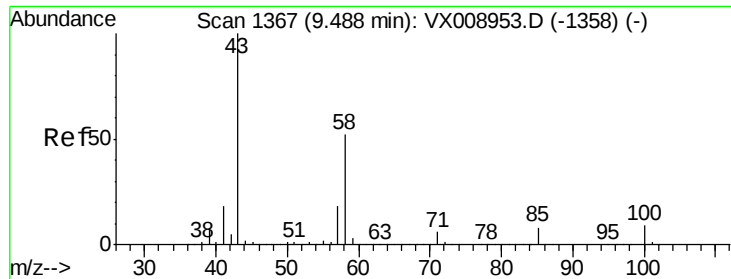
106 24.1 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





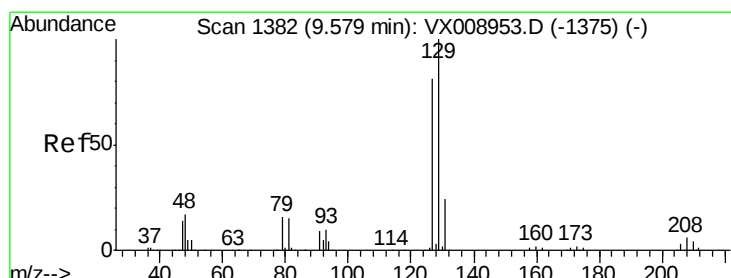
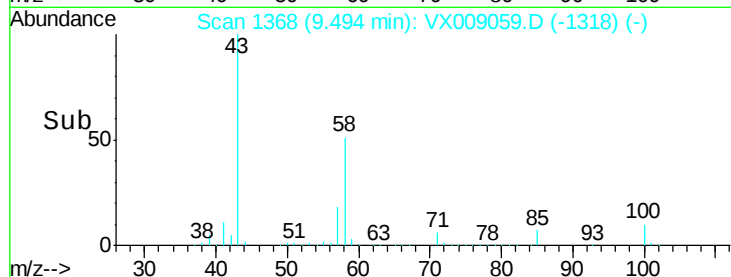
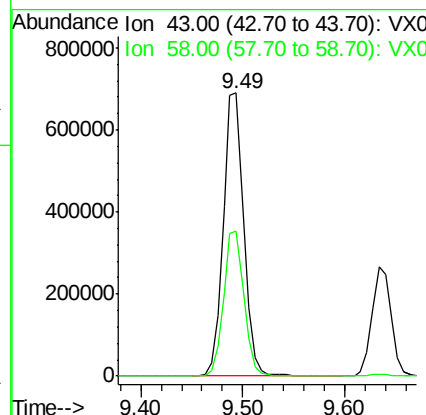
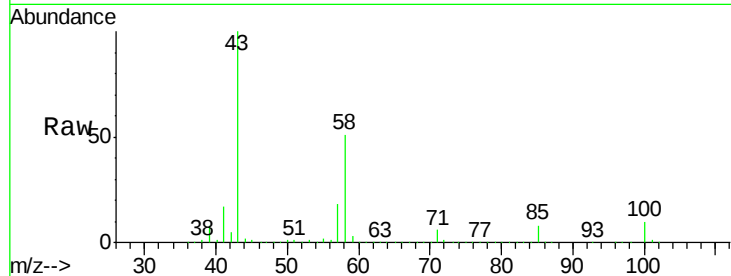
#59
2-Hexanone
Concen: 256.456 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 970422
Ion Ratio Lower Upper
43 100
58 51.1 25.9 77.8

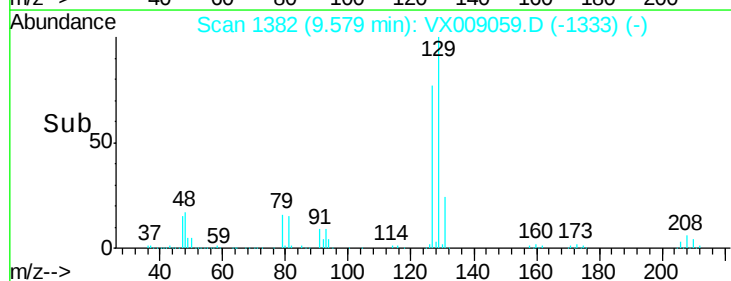
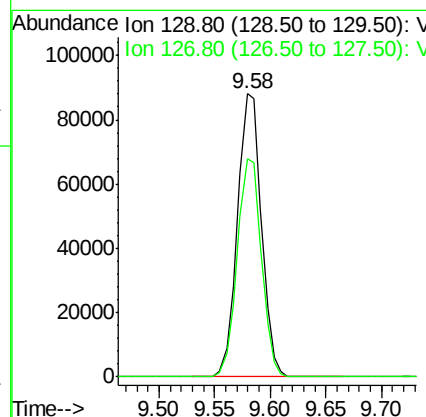
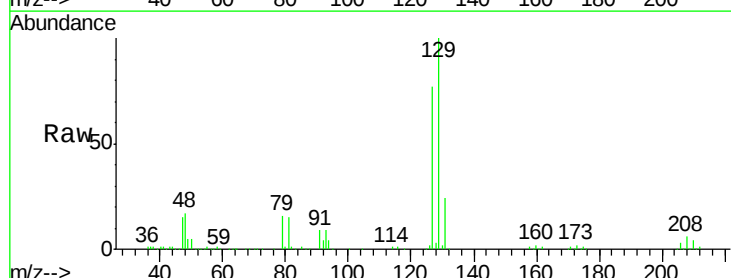
Manual Integrations
APPROVED

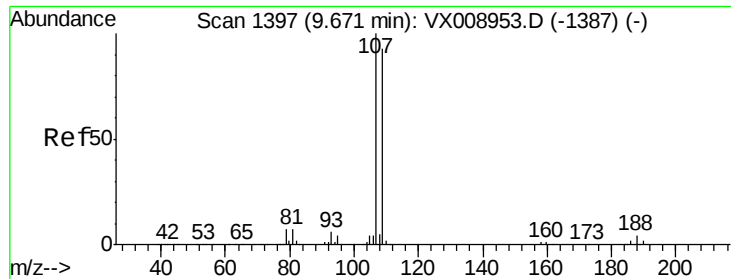
MMDadoda
4/22/2019 10:50:49 AM



#60
Dibromochloromethane
Concen: 52.625 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Tgt Ion: 129 Resp: 131302
Ion Ratio Lower Upper
129 100
127 77.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 49.659 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 133427

Ion Ratio Lower Upper

107 100

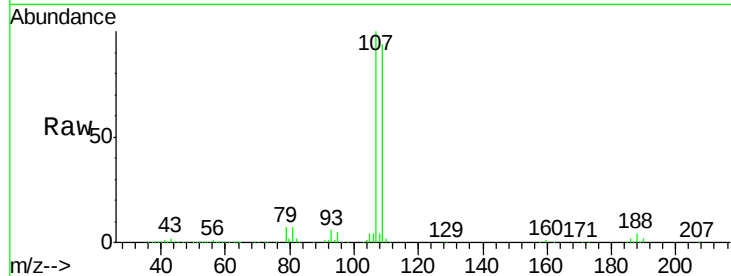
109 94.1 74.4 111.6

Manual Integrations

APPROVED

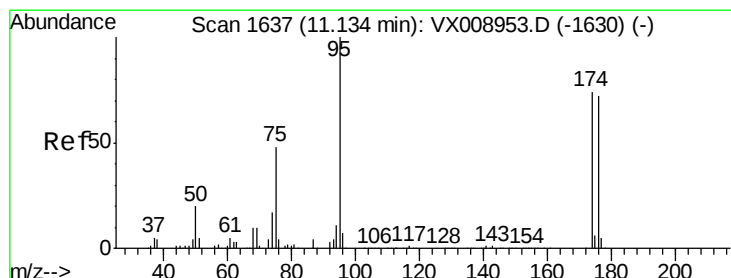
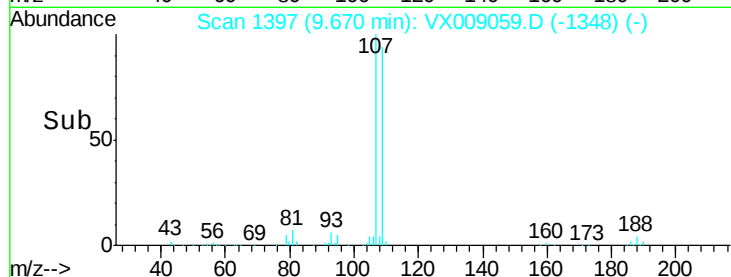
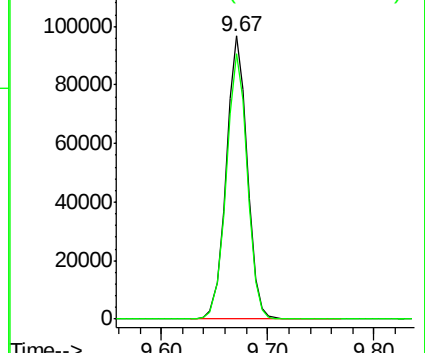
MMDadoda

4/22/2019 10:50:49 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.826 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

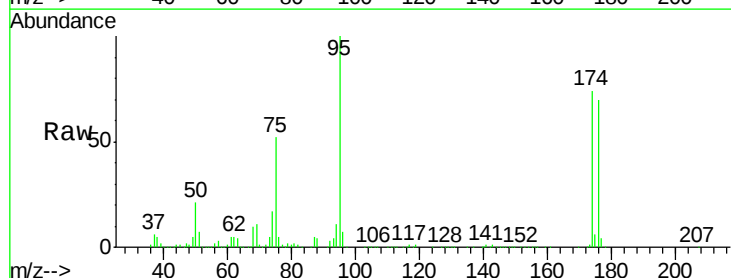
Tgt Ion: 95 Resp: 164961

Ion Ratio Lower Upper

95 100

174 79.6 0.0 159.6

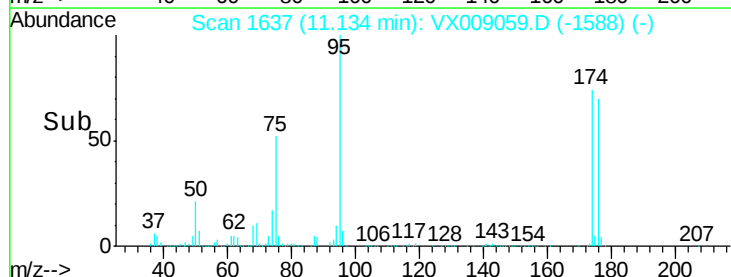
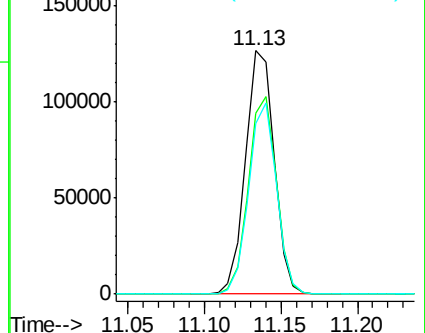
176 76.1 0.0 154.8

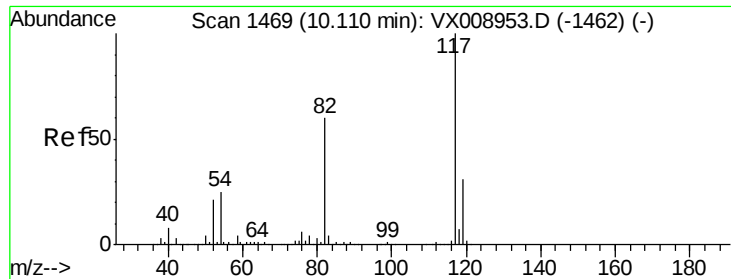


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





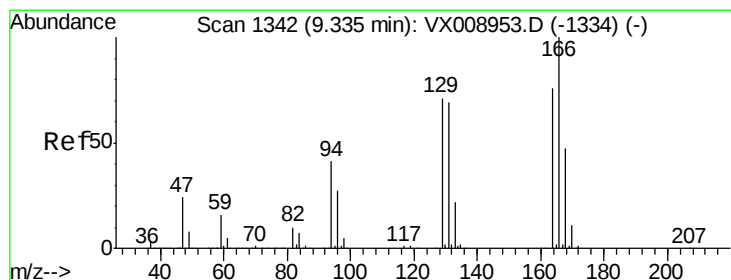
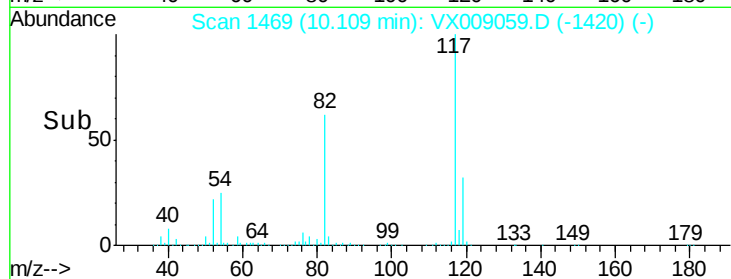
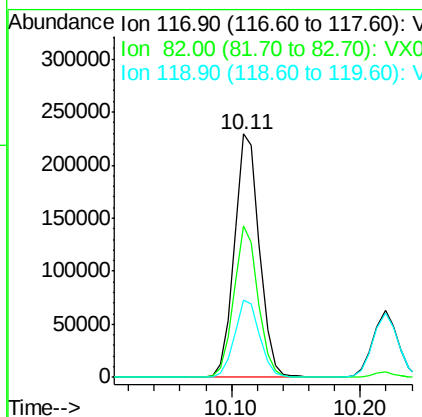
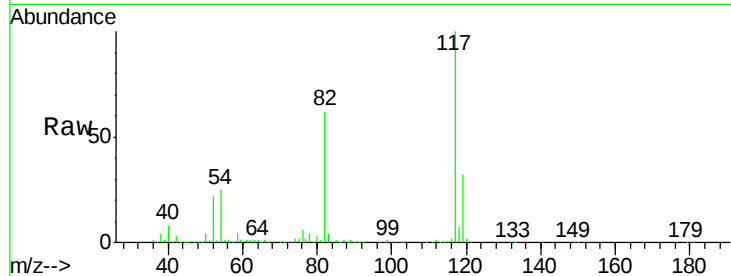
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.3	48.2	72.4
119	31.5	25.0	37.6

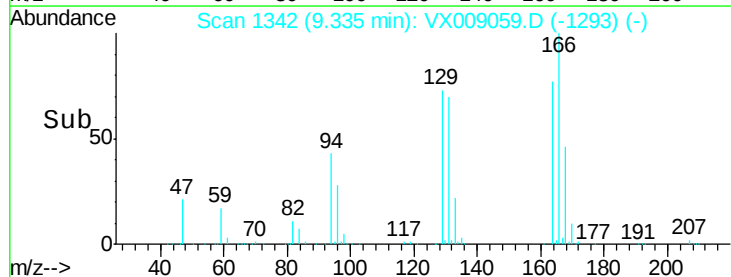
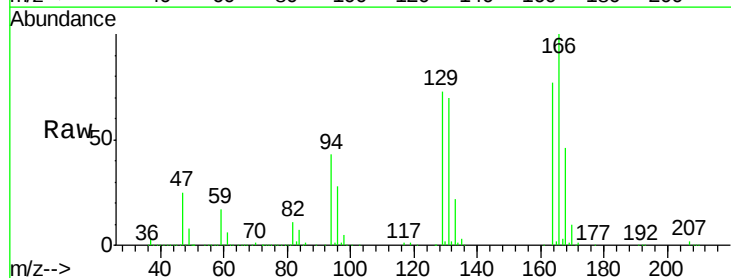
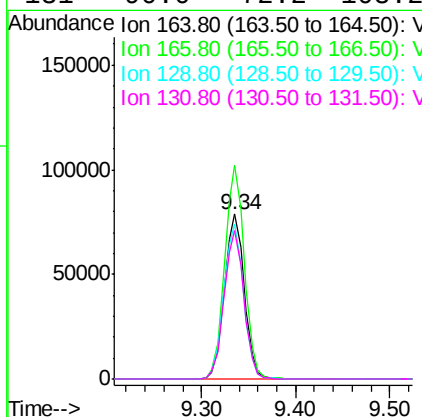
Manual Integrations
APPROVED

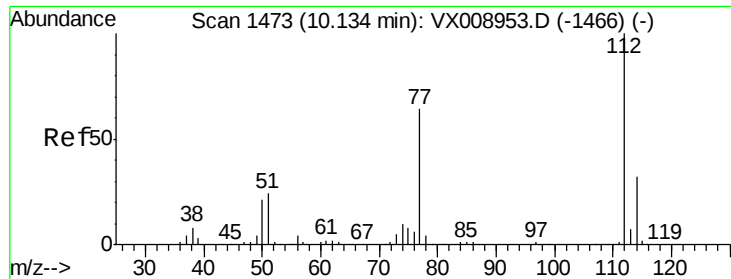
MMDadoda
4/22/2019 10:50:49 AM



#64
Tetrachloroethene
Concen: 48.689 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	105.0	157.4
129	94.0	74.2	111.4
131	90.0	72.2	108.2





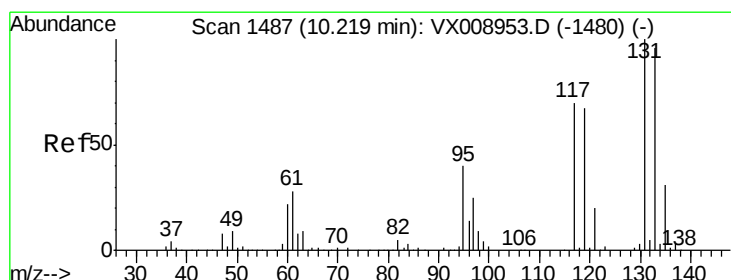
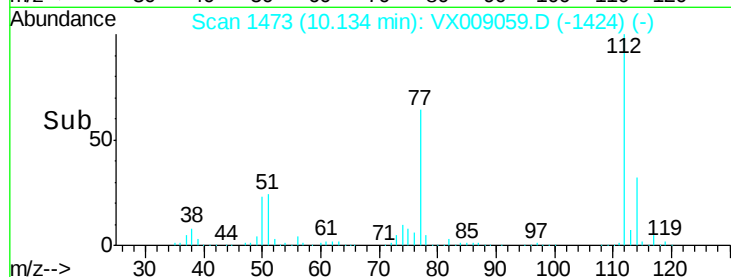
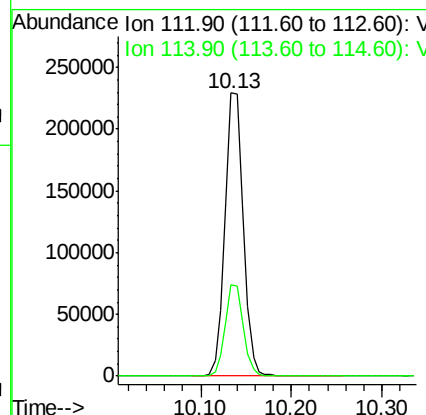
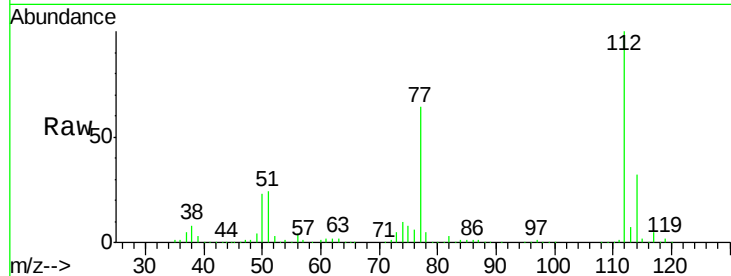
#65
Chlorobenzene
Concen: 49.614 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 324642
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0

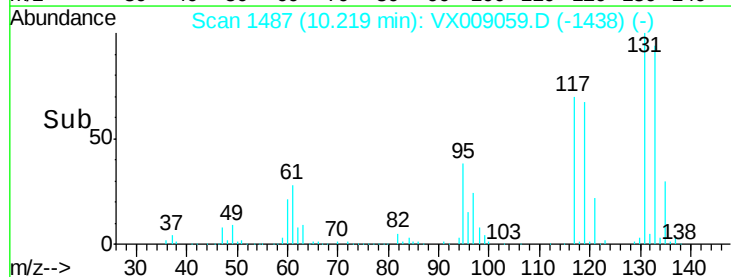
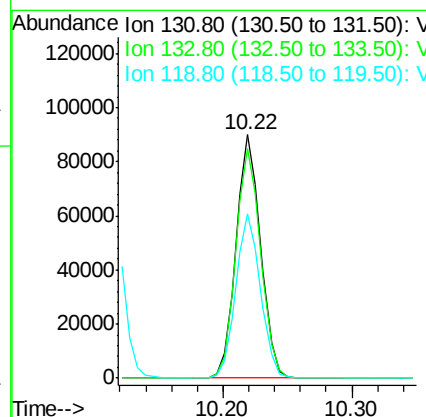
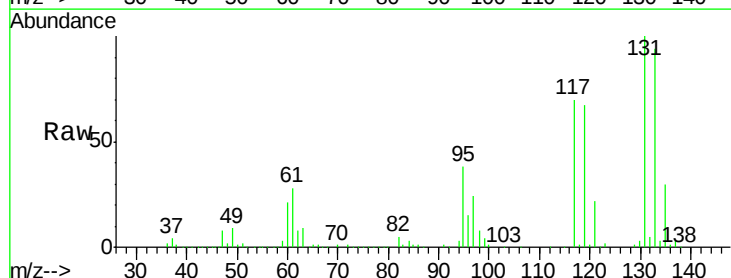
Manual Integrations
APPROVED

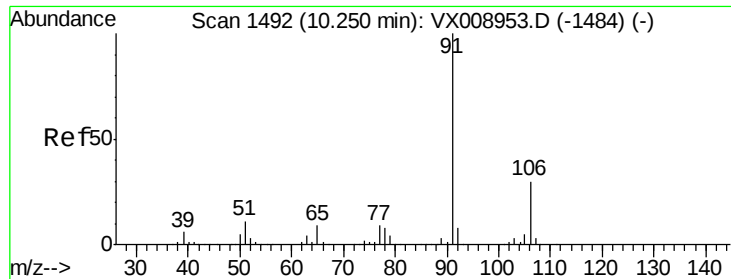
MMDadoda
4/22/2019 10:50:49 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.849 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Tgt Ion:131 Resp: 119518
Ion Ratio Lower Upper
131 100
133 95.7 48.0 144.2
119 67.6 33.7 101.1





#67

Ethyl Benzene

Concen: 51.243 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 612944

Ion Ratio Lower Upper

91 100

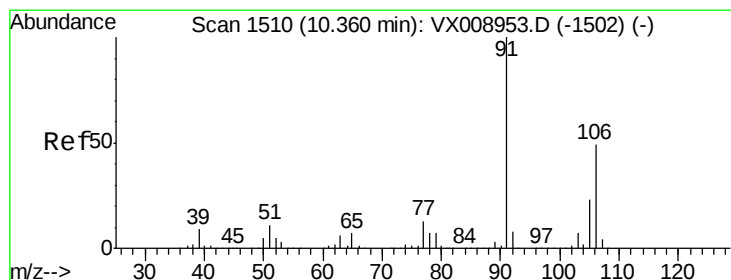
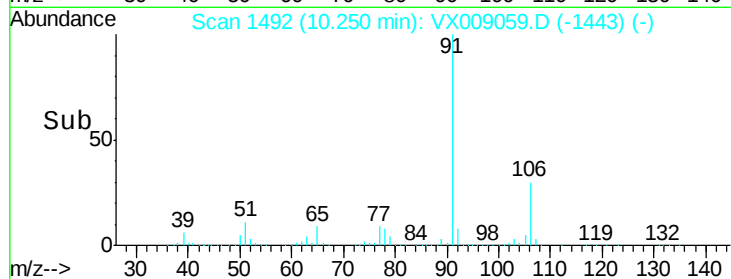
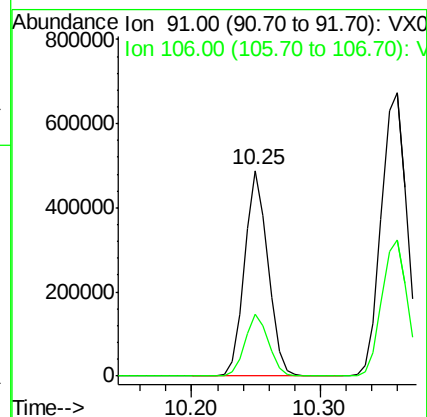
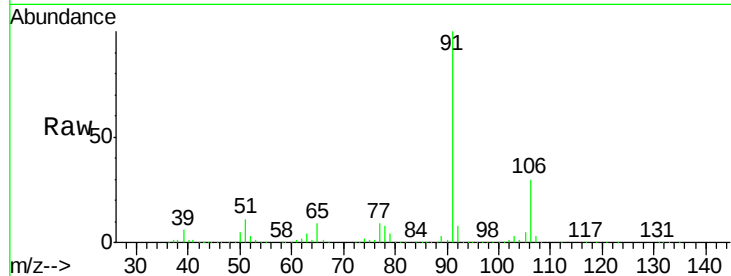
106 30.0 24.3 36.5

Manual Integrations

APPROVED

MMDadoda

4/22/2019 10:50:49 AM



#68

m/p-Xylenes

Concen: 101.225 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009059.D

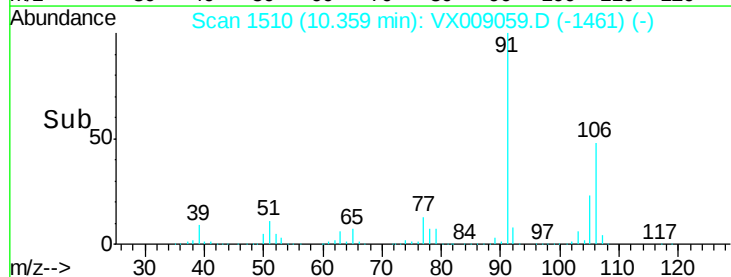
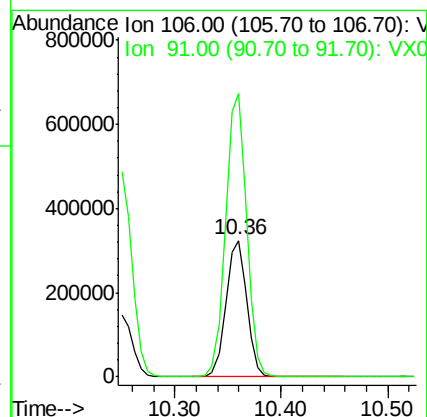
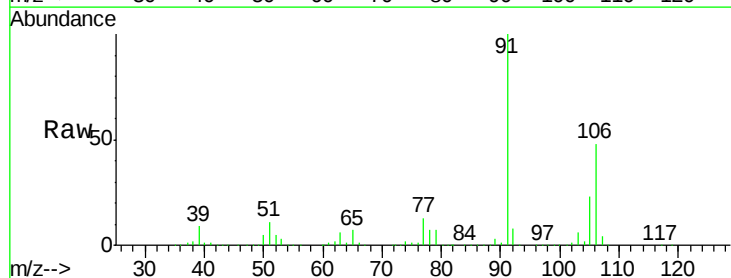
Acq: 19 Apr 2019 10:36

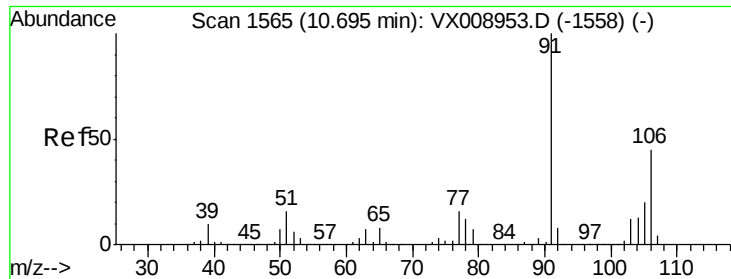
Tgt Ion: 106 Resp: 440035

Ion Ratio Lower Upper

106 100

91 210.0 165.4 248.2





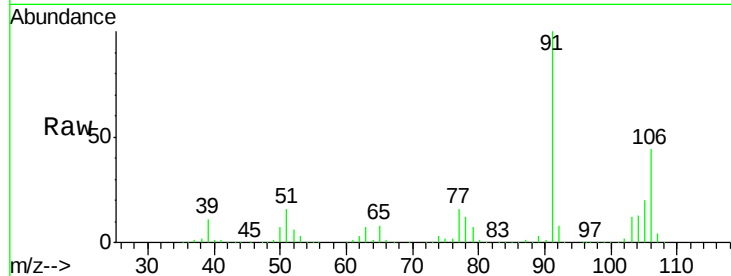
#69
o-Xylene
Concen: 50.550 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

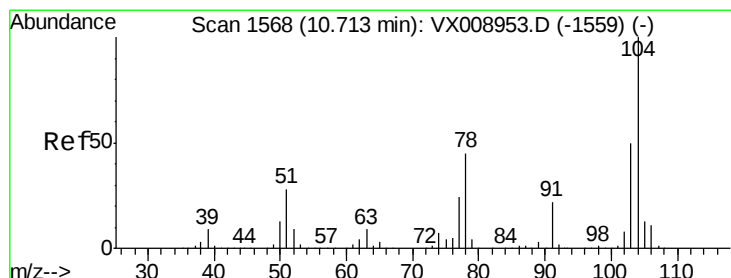
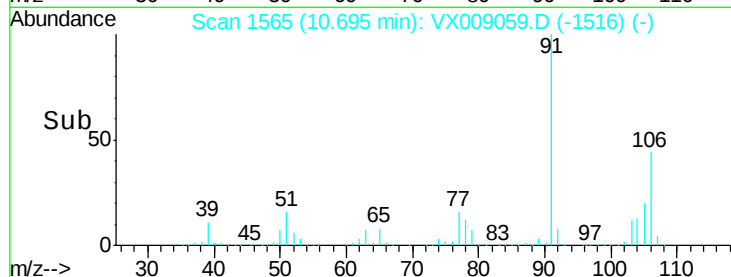
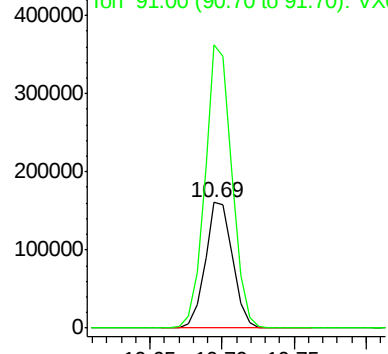
Tot Ion:106 Resp: 213814
Ion Ratio Lower Upper
106 100
91 221.1 108.9 326.7

Manual Integrations
APPROVED

MMDadoda
4/22/2019 10:50:49 AM

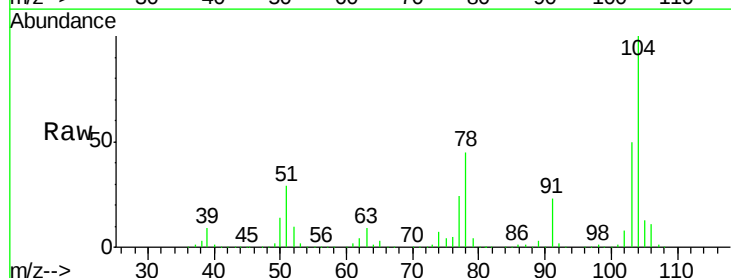


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

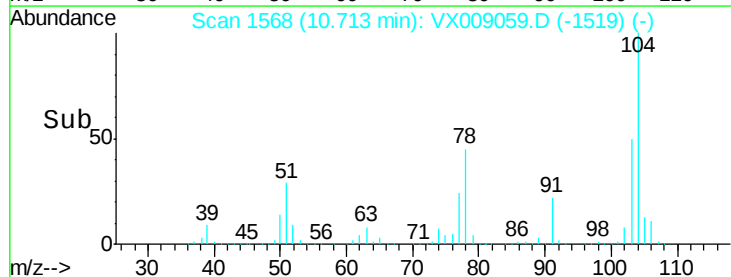
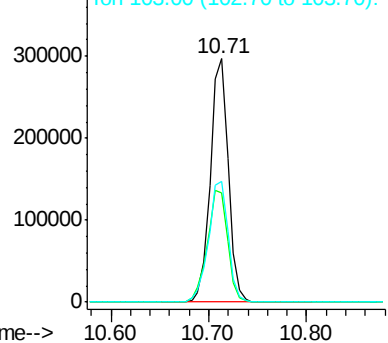


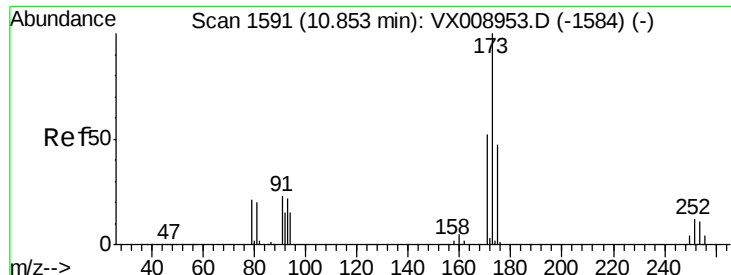
#70
Styrene
Concen: 51.514 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Tgt Ion:104 Resp: 377592
Ion Ratio Lower Upper
104 100
78 52.1 41.2 61.8
103 54.9 43.9 65.9



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





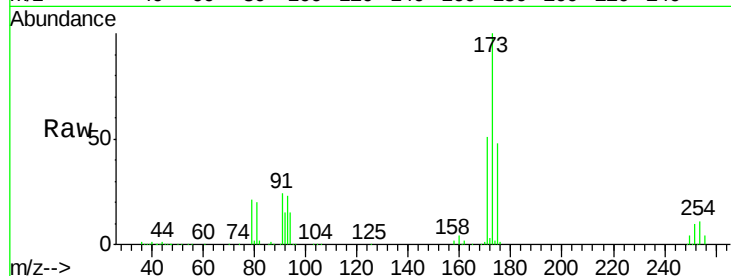
#71
Bromoform
Concen: 51.989 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

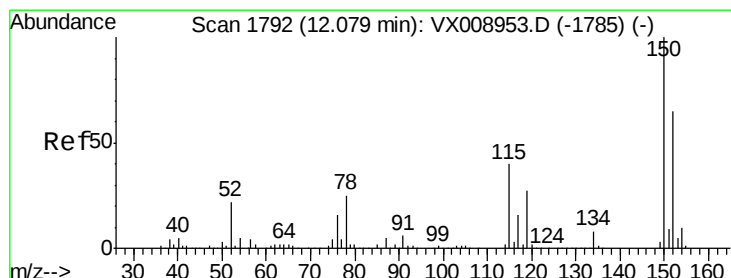
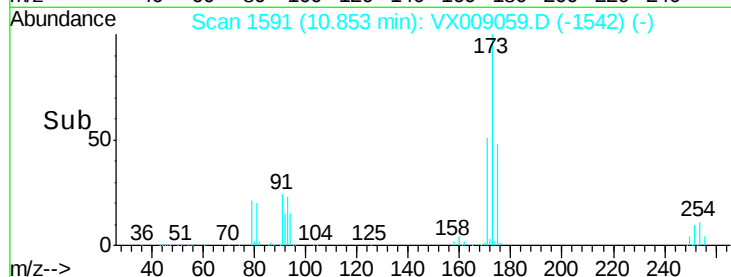
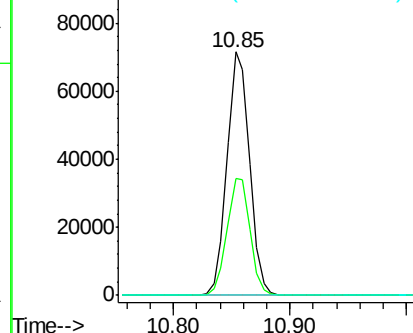
Tot Ion:173 Resp: 95476
Ion Ratio Lower Upper
173 100
175 49.0 23.9 71.8
254 0.1 0.2 0.4#

Manual Integrations
APPROVED

MMDadoda
4/22/2019 10:50:49 AM

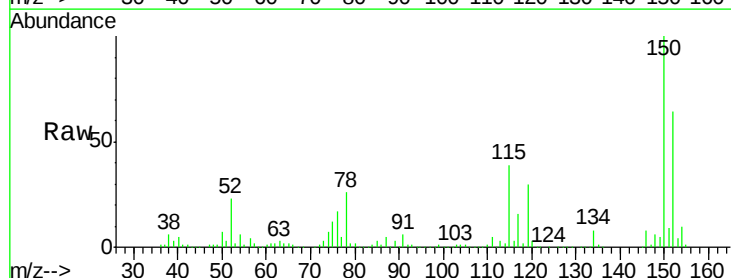


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

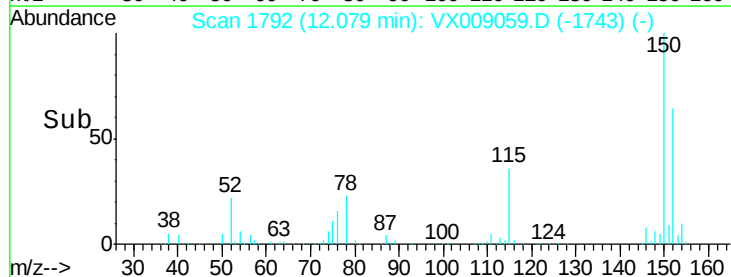
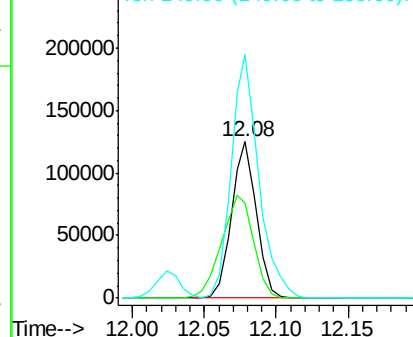


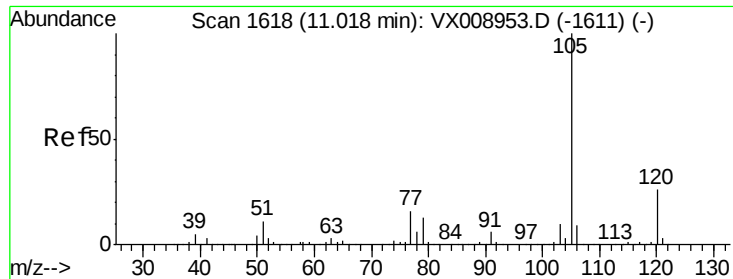
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Tgt Ion:152 Resp: 151936
Ion Ratio Lower Upper
152 100
115 84.0 41.4 124.2
150 172.3 0.0 349.8



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





#73

Isopropylbenzene

Concen: 50.547 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 582131

Ion Ratio Lower Upper

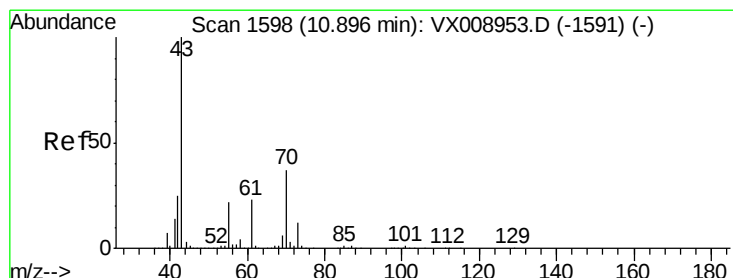
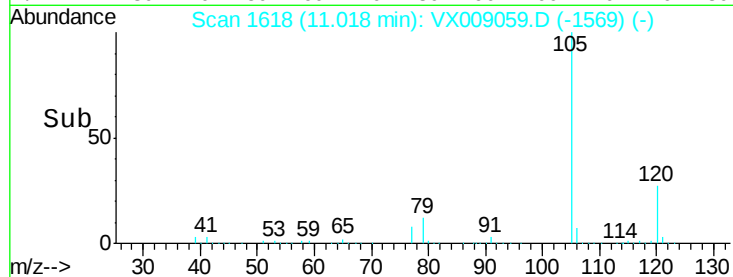
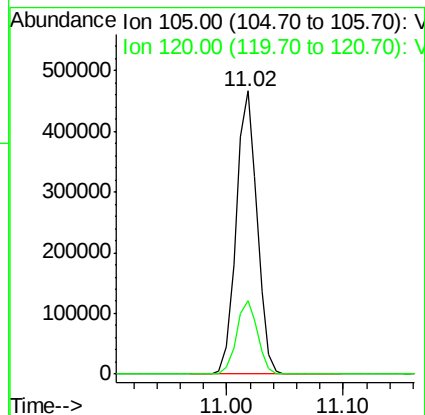
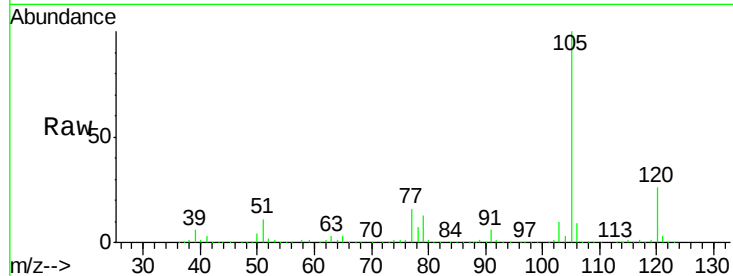
105 100

120 25.9 12.9 38.7

Manual Integrations
APPROVED

MMDadoda

4/22/2019 10:50:49 AM



#74

N-ethyl acetate

Concen: 51.132 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Tgt Ion: 43 Resp: 338115

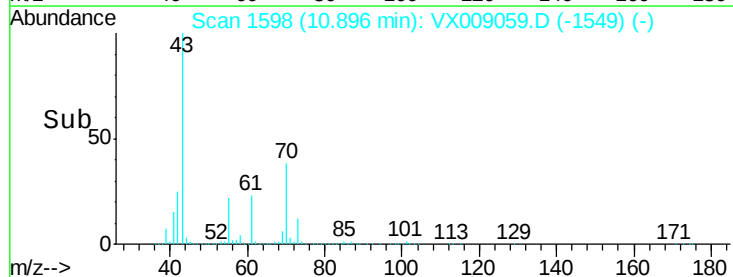
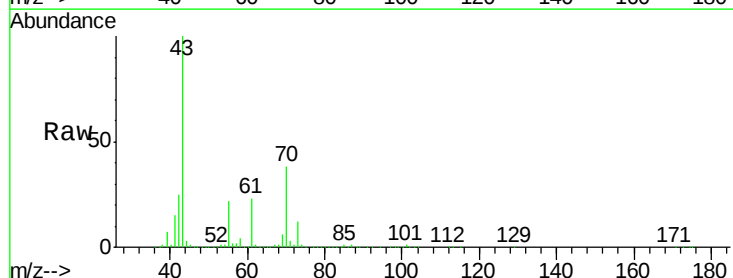
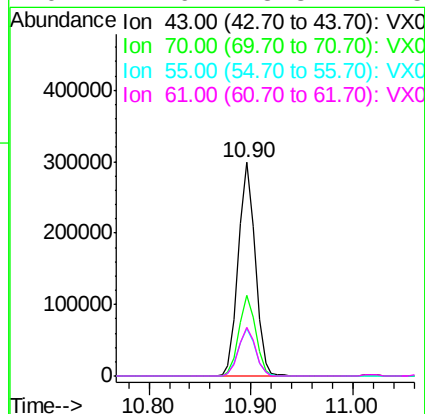
Ion Ratio Lower Upper

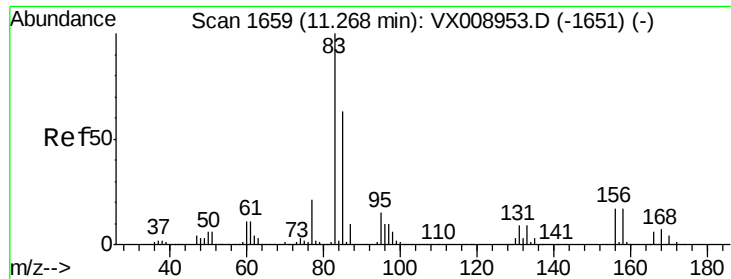
43 100

70 37.6 29.9 44.9

55 22.4 17.8 26.8

61 22.6 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.216 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Instrument :

MSVOA_X

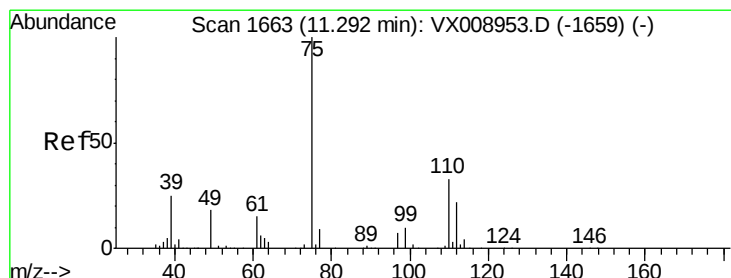
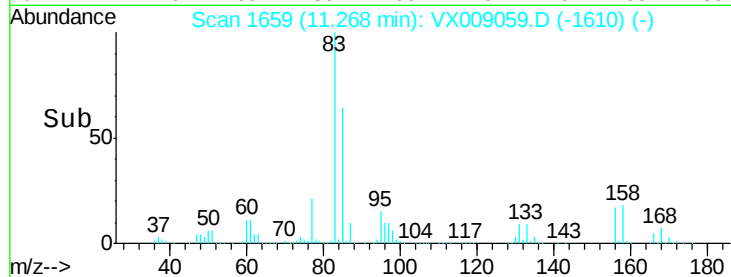
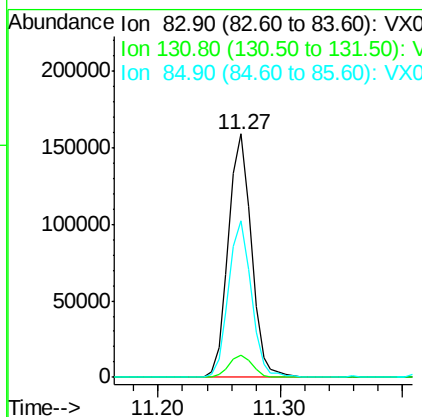
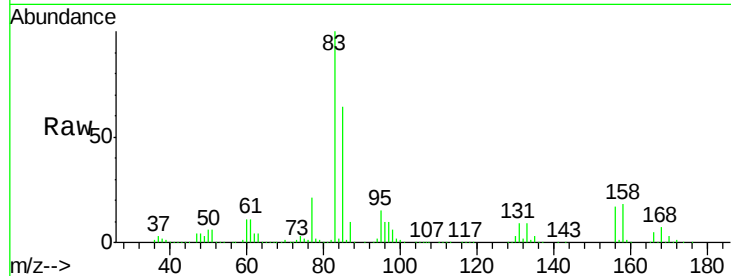
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	207099
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.7	14.0
85	64.0	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
4/22/2019 10:50:49 AM



#76

1,2,3-Trichloropropane

Concen: 48.277 ug/l m

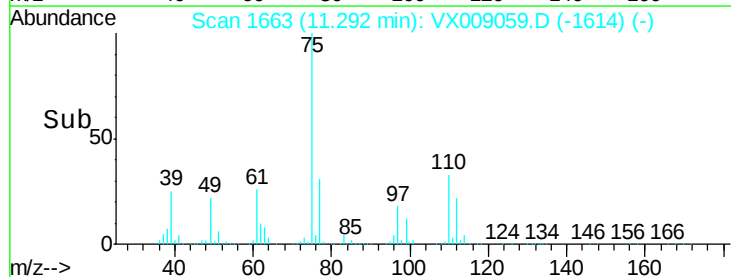
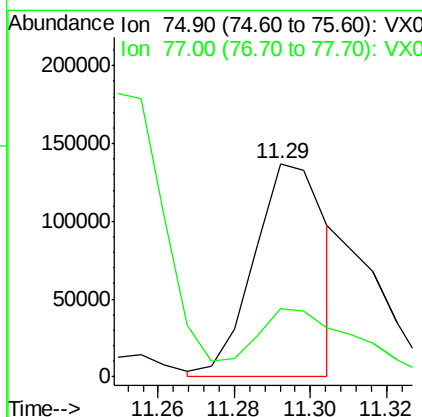
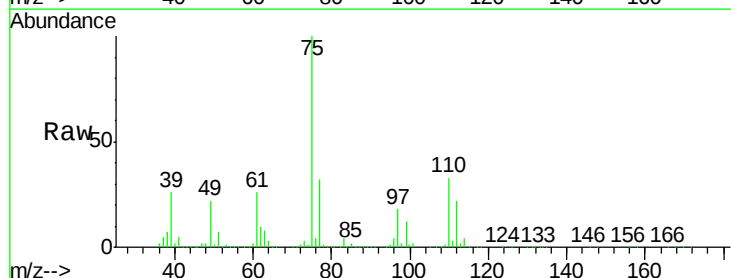
RT: 11.29 min Scan# 1663

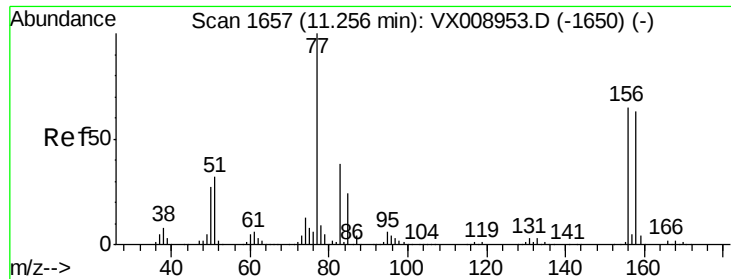
Delta R.T. -0.00 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Tgt Ion:	75	Resp:	179107
Ion Ratio	Lower	Upper	
75	100		
77	44.7	22.7	68.0





#77

Bromobenzene

Concen: 47.898 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Instrument :

MSVOA_X

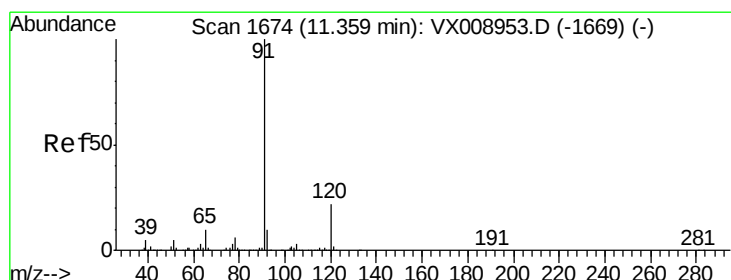
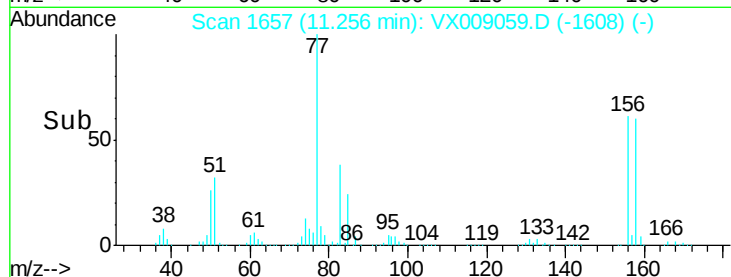
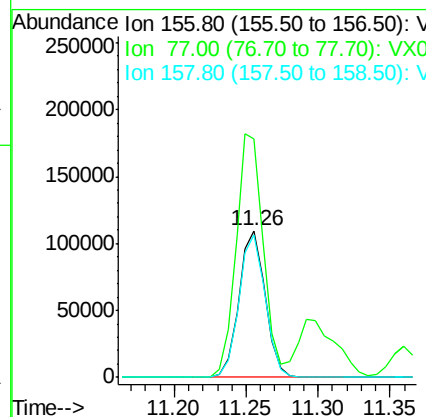
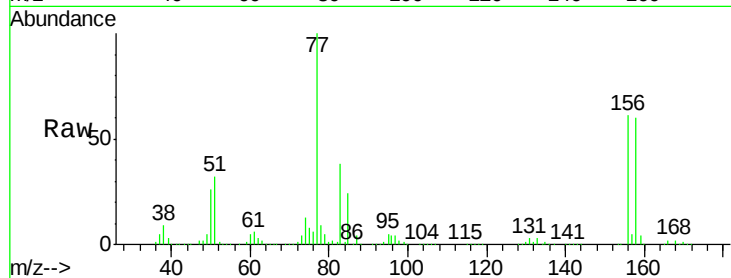
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	139177
Ion Ratio	Lower	Upper	
156	100		
77	172.3	85.4	256.1
158	97.8	48.8	146.4

Manual Integrations
APPROVED

MMDadoda
4/22/2019 10:50:49 AM



#78

n-propylbenzene

Concen: 51.605 ug/l

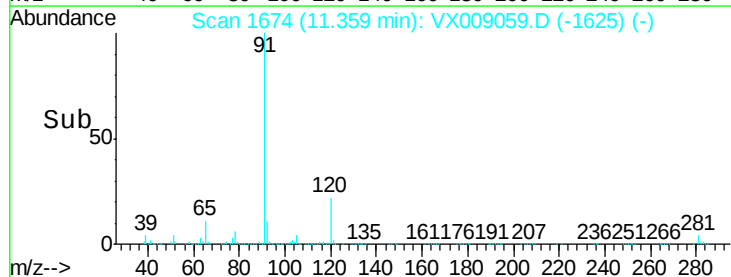
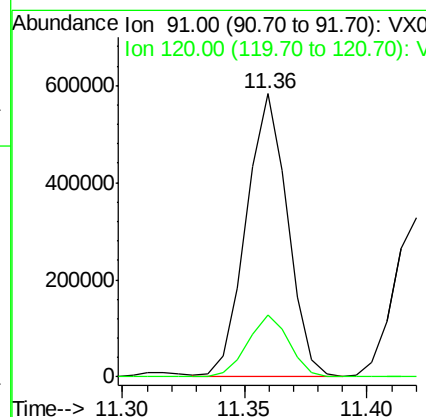
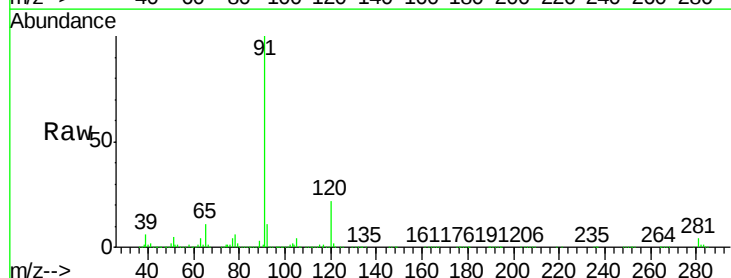
RT: 11.36 min Scan# 1674

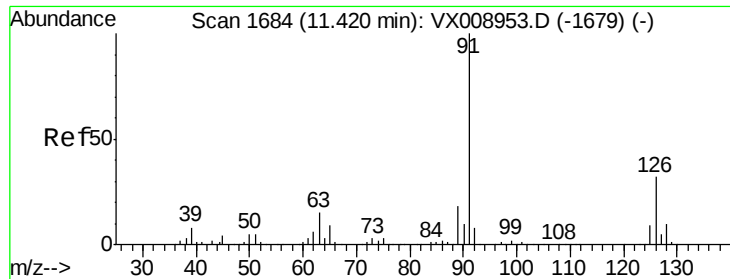
Delta R.T. -0.00 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Tgt Ion:	91	Resp:	682143
Ion Ratio	Lower	Upper	
91	100		
120	22.0	10.9	32.9





#79

2-Chlorotoluene

Concen: 49.681 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 395734

Ion Ratio Lower Upper

91 100

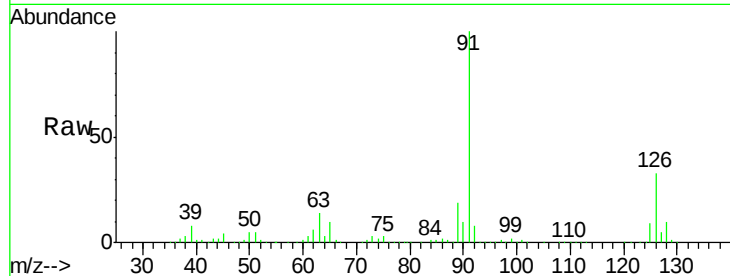
126 32.1 16.3 48.9

Manual Integrations

APPROVED

MMDadoda

4/22/2019 10:50:49 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

600000

400000

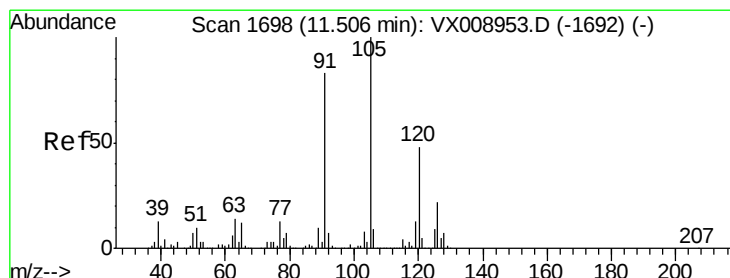
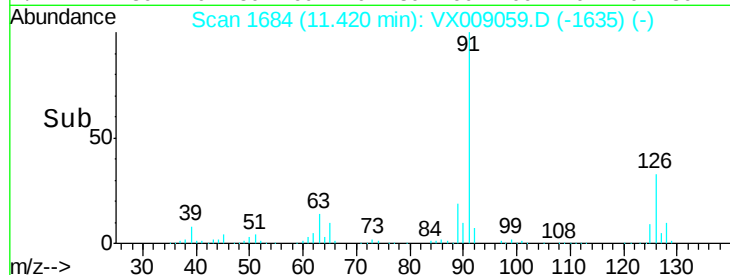
200000

0

11.42

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.964 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009059.D

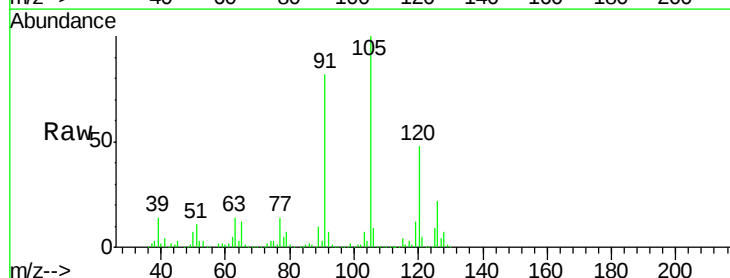
Acq: 19 Apr 2019 10:36

Tgt Ion:105 Resp: 492530

Ion Ratio Lower Upper

105 100

120 47.7 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

400000

300000

200000

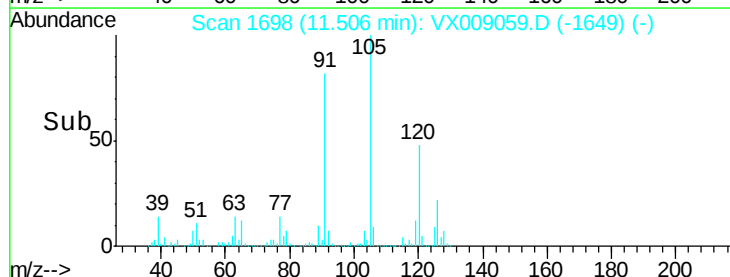
100000

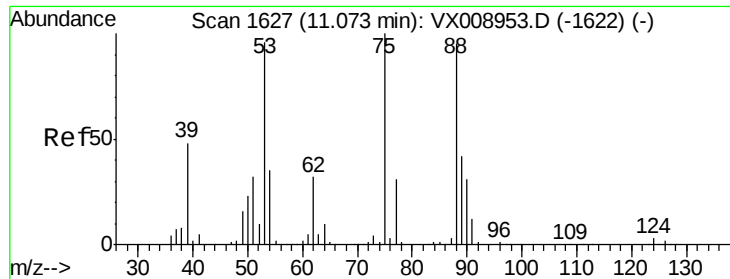
0

11.51

11.50 11.60

Time-->





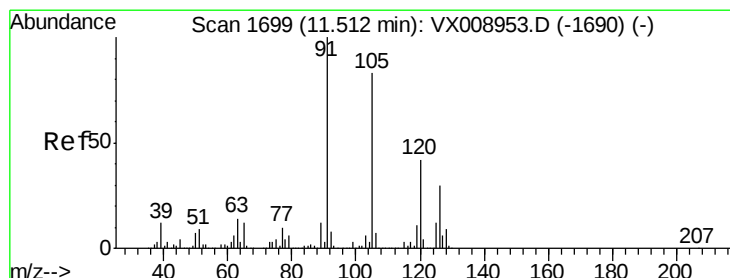
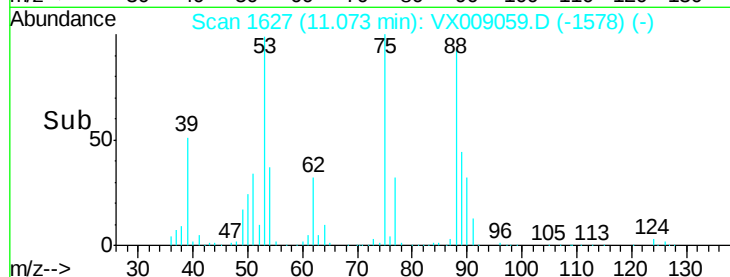
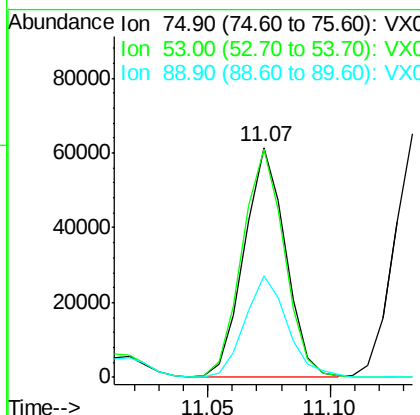
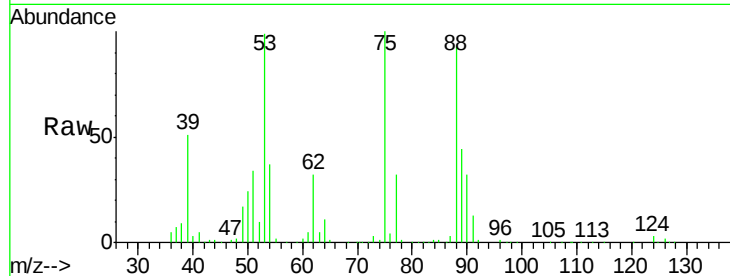
#81
trans-1,4-Dichloro-2-butene
Concen: 49.965 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 72204
Ion Ratio Lower Upper
75 100
53 100.8 78.2 117.4
89 46.1 36.0 54.0

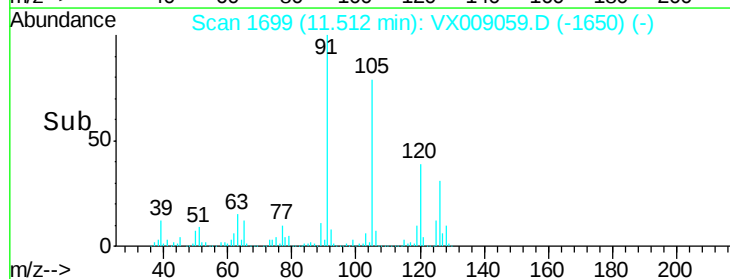
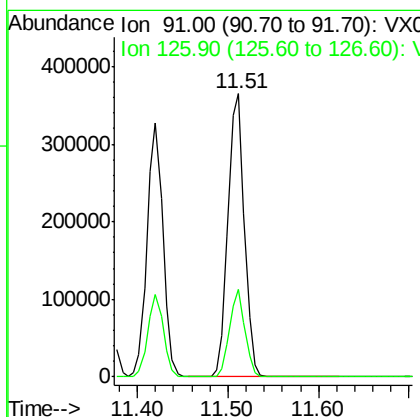
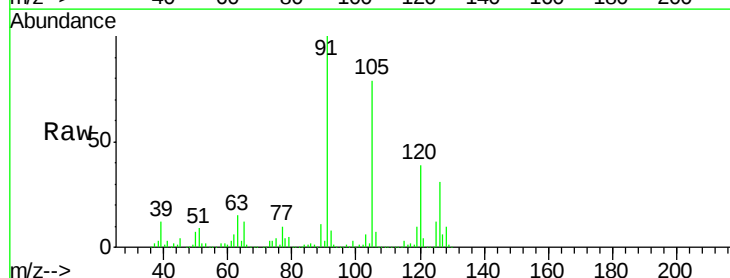
Manual Integrations
APPROVED

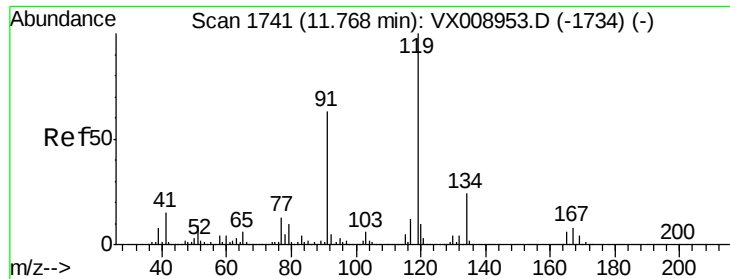
MMDadoda
4/22/2019 10:50:49 AM



#82
4-Chlorotoluene
Concen: 49.681 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Tgt Ion: 91 Resp: 459594
Ion Ratio Lower Upper
91 100
126 28.9 14.3 42.9





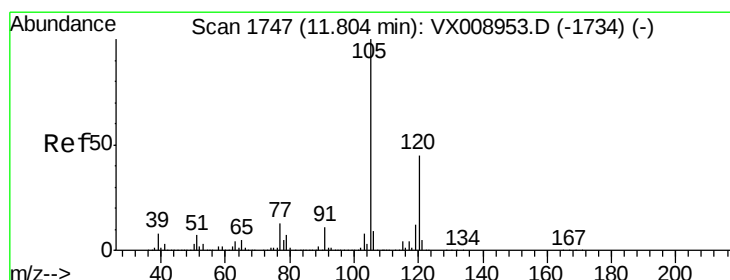
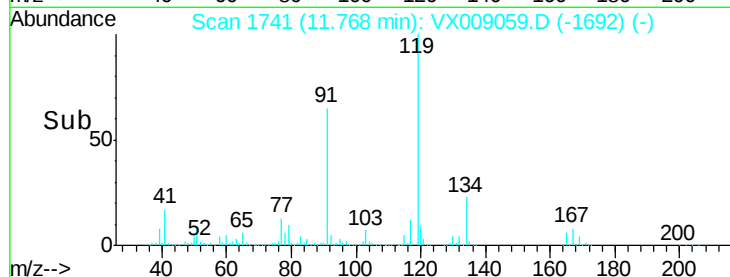
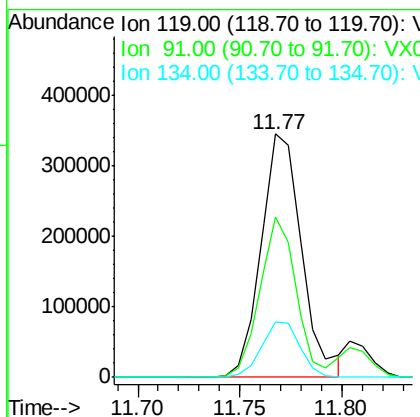
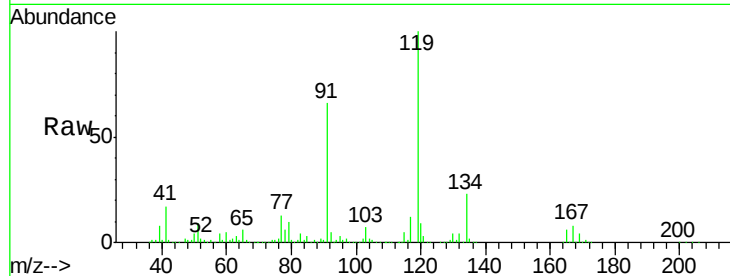
#83
tert-Butylbenzene
Concen: 51.609 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.7	89.1
134	21.7	11.2	33.5

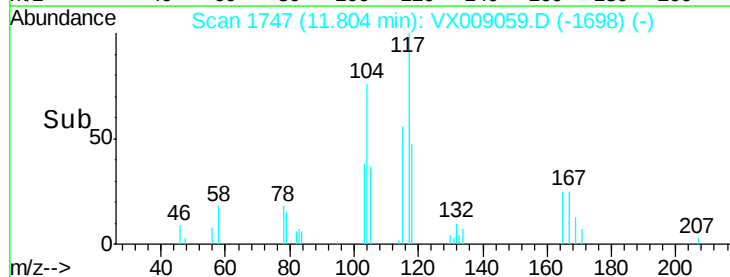
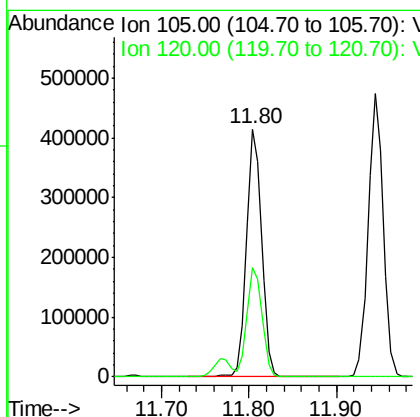
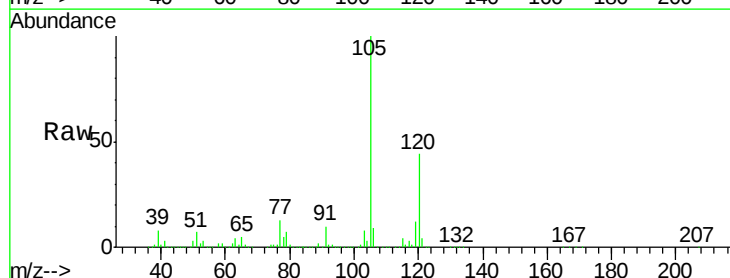
Manual Integrations
APPROVED

MMDadoda
4/22/2019 10:50:49 AM



#84
1,2,4-Trimethylbenzene
Concen: 50.386 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.9	65.8





#85

sec-Butylbenzene

Concen: 51.947 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 574859

Ion Ratio Lower Upper

105 100

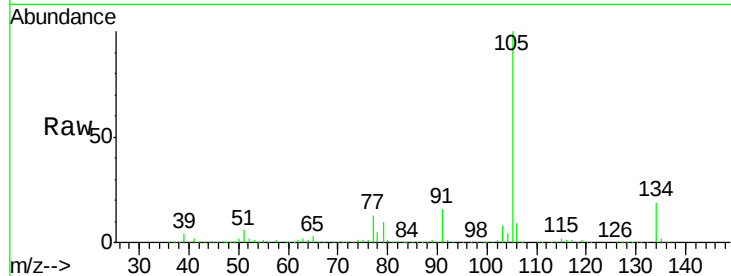
134 19.1 9.6 28.6

Manual Integrations

APPROVED

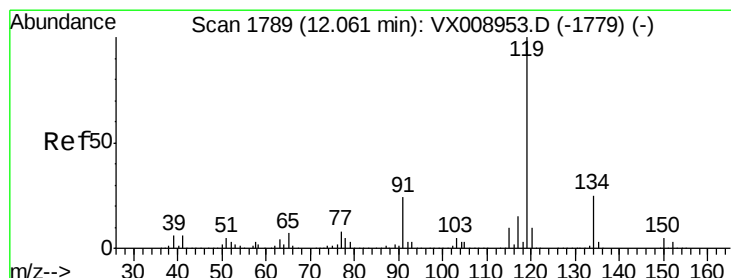
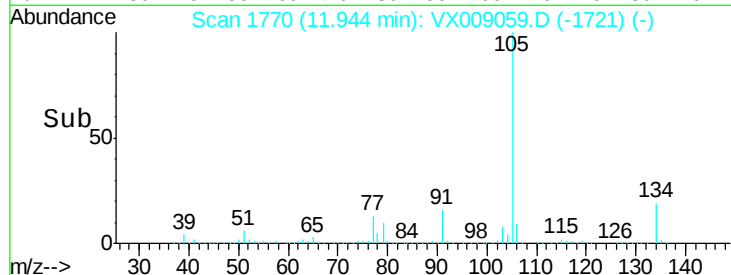
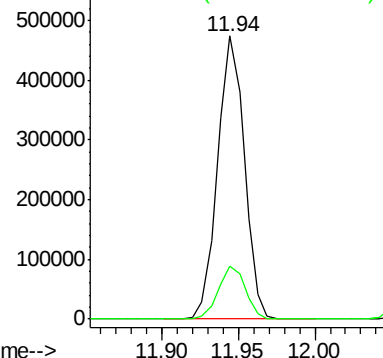
MMDadoda

4/22/2019 10:50:49 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.639 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

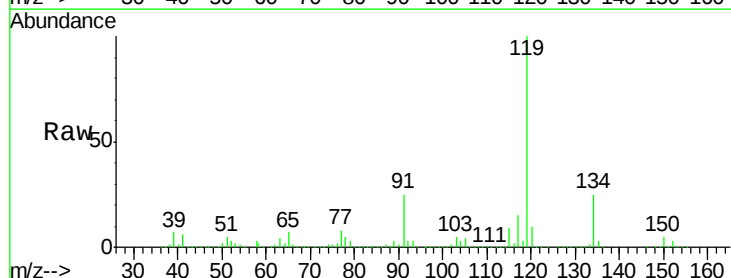
Tgt Ion:119 Resp: 525379

Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.6

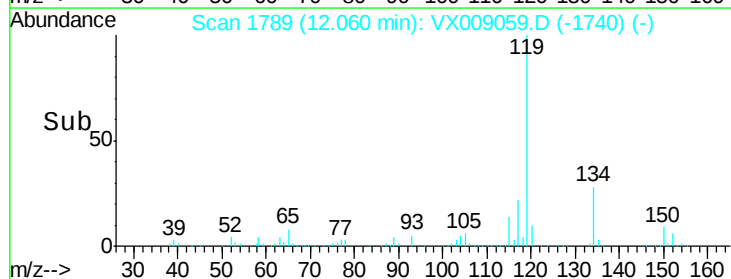
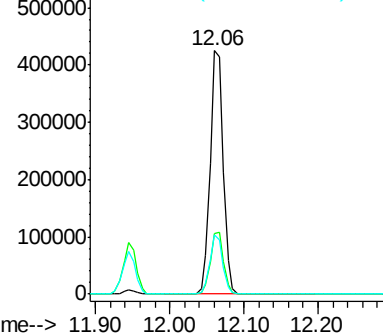
91 23.9 11.9 35.5

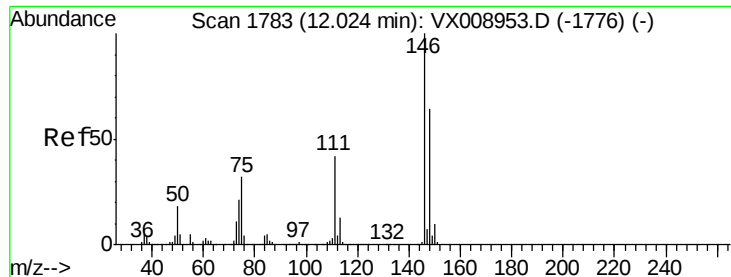


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





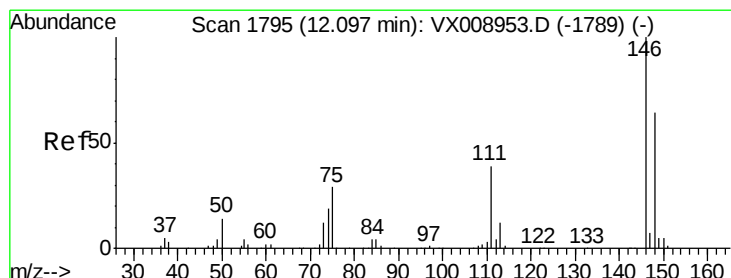
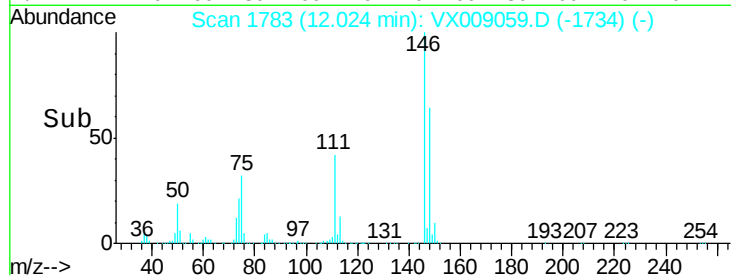
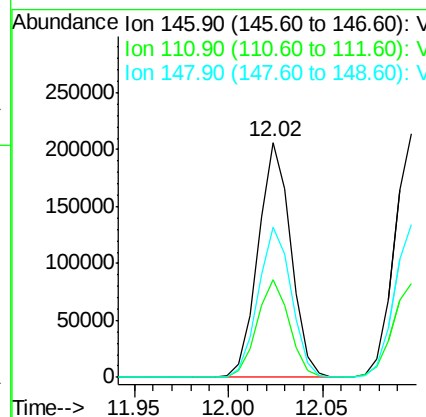
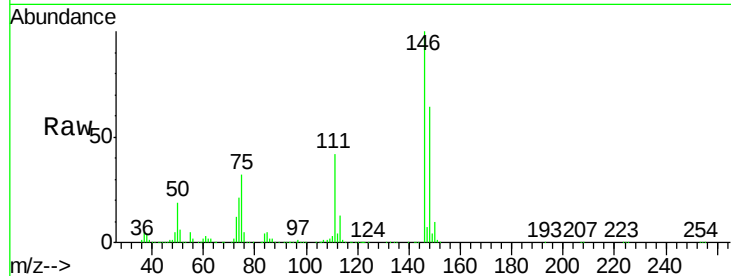
#87
 1,3-Dichlorobenzene
 Concen: 48.678 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009059.D
 Acq: 19 Apr 2019 10:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.5	61.6
148	65.0	32.2	96.6

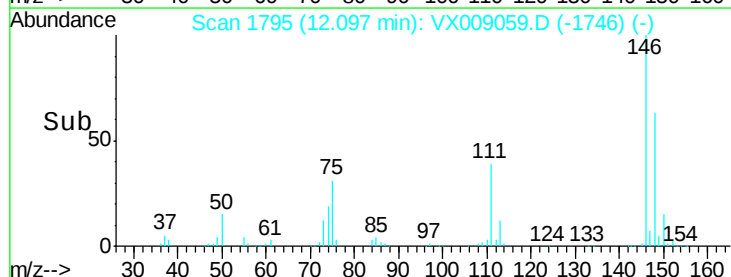
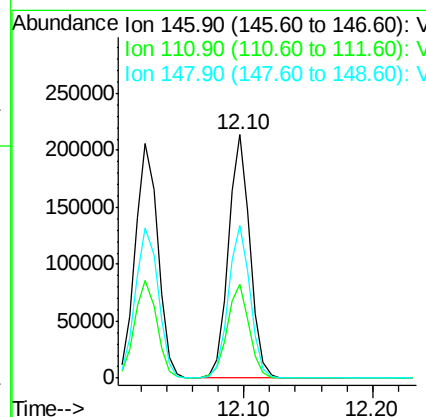
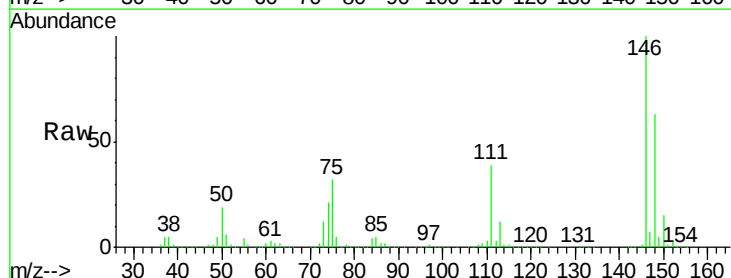
Manual Integrations
 APPROVED

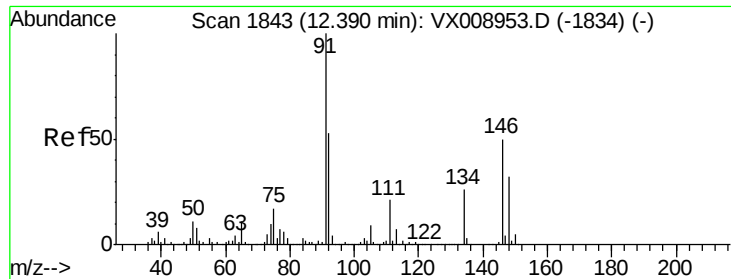
MMDadoda
 4/22/2019 10:50:49 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.737 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009059.D
 Acq: 19 Apr 2019 10:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	59.9
148	63.4	32.2	96.6





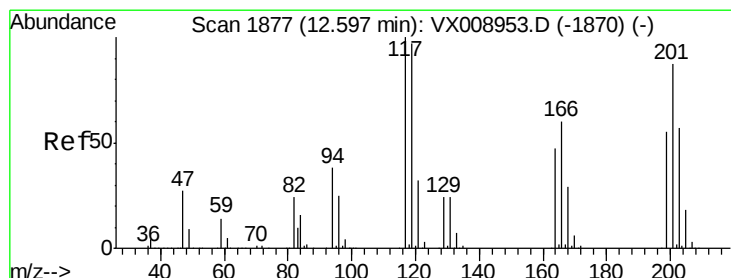
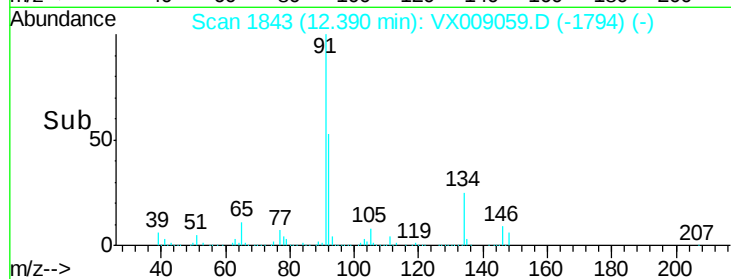
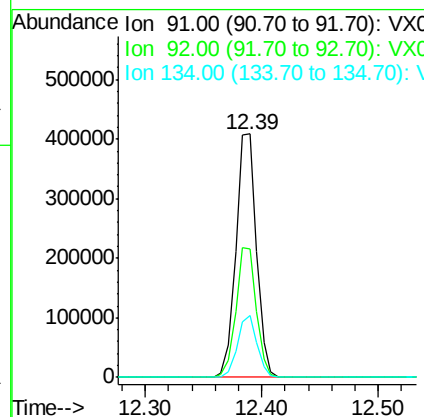
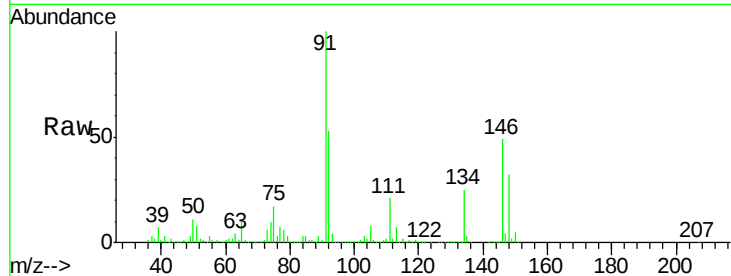
#89
n-Butylbenzene
Concen: 52.982 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	502010		
92	52.9	26.6	79.8	
134	24.4	12.4	37.2	

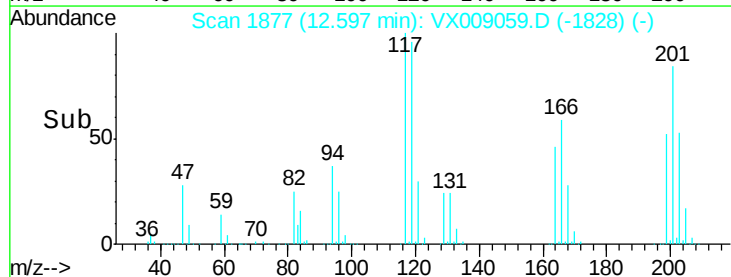
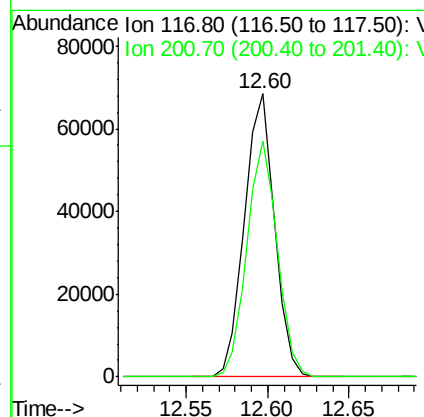
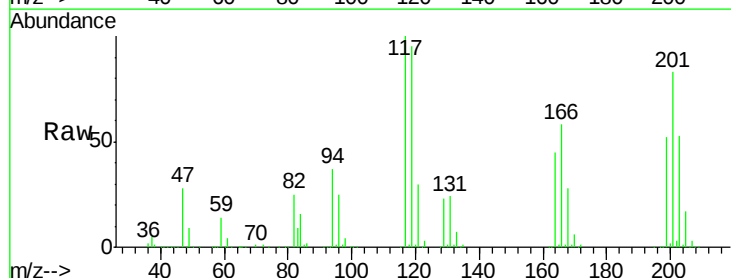
Manual Integrations
APPROVED

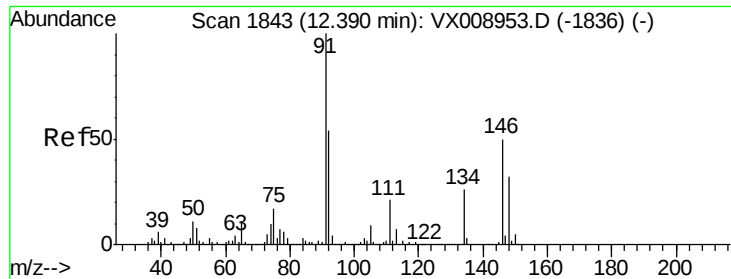
MMDadoda
4/22/2019 10:50:49 AM



#90
Hexachloroethane
Concen: 52.560 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	88209		
201	84.0	43.0	129.0	





#91

1,2-Dichlorobenzene

Concen: 49.188 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Instrument :

MSVOA_X

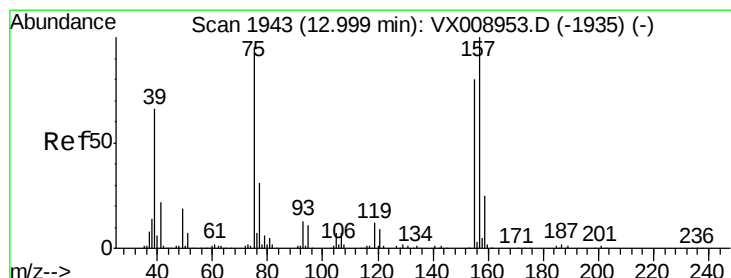
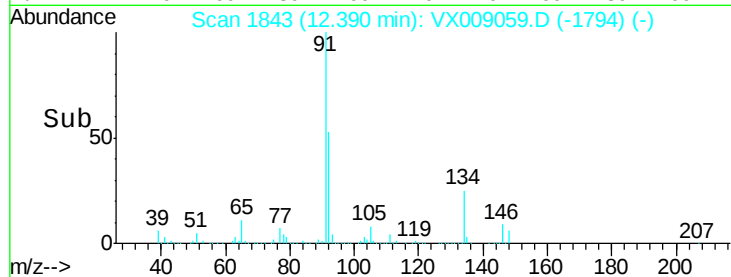
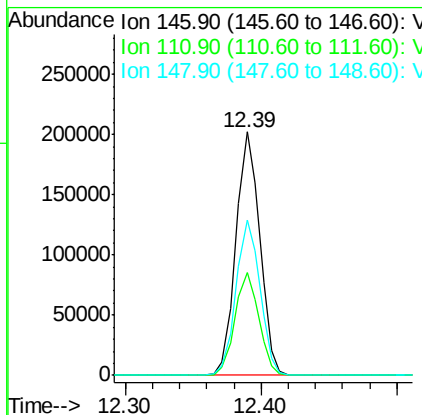
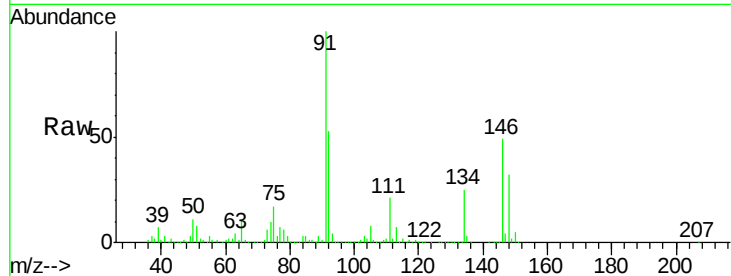
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	247020
Ion Ratio	Lower	Upper	
146	100		
111	42.1	20.6	61.9
148	64.4	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
4/22/2019 10:50:49 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.319 ug/l

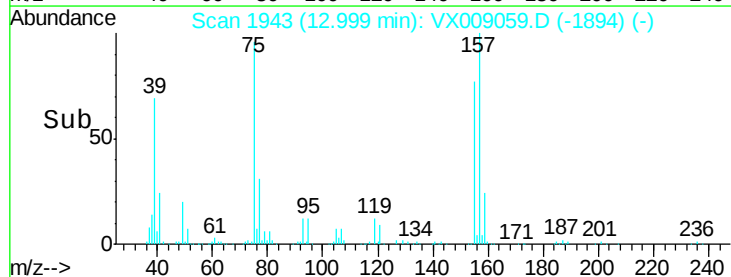
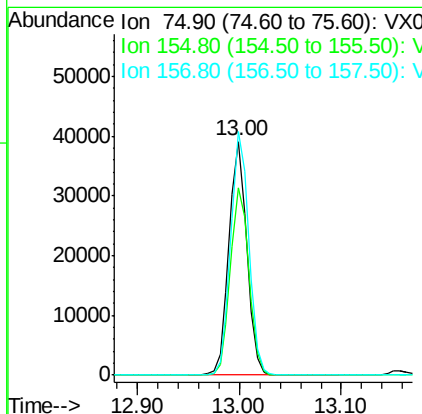
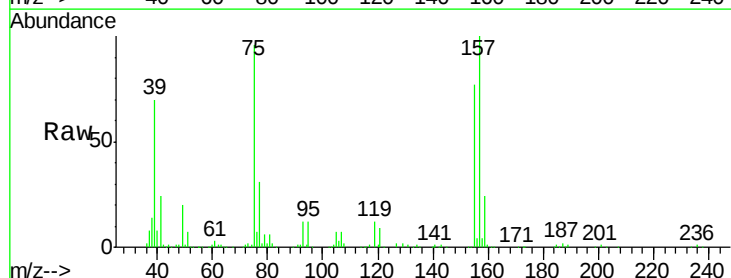
RT: 13.00 min Scan# 1943

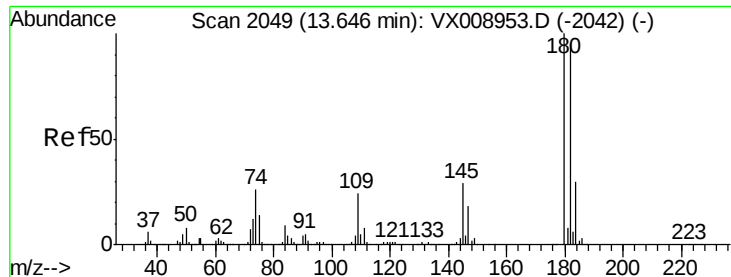
Delta R.T. -0.00 min

Lab File: VX009059.D

Acq: 19 Apr 2019 10:36

Tgt Ion:	75	Resp:	47251
Ion Ratio	Lower	Upper	
75	100		
155	82.6	41.2	123.6
157	104.6	52.5	157.6





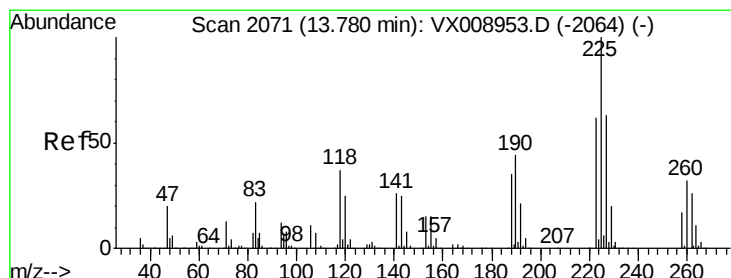
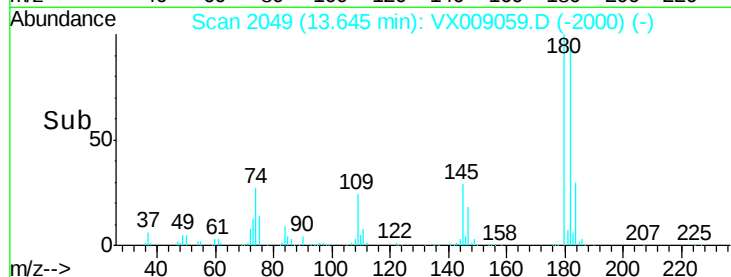
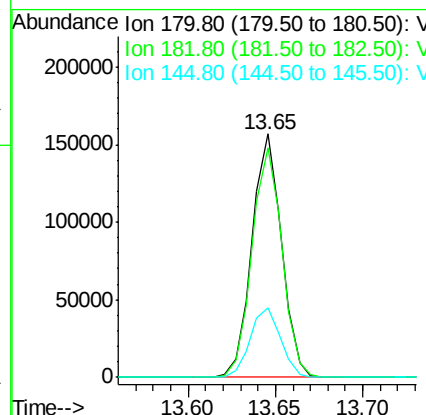
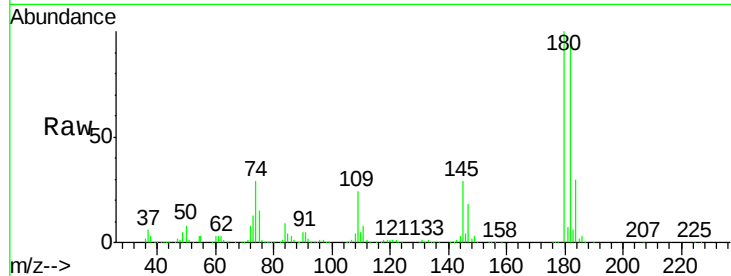
#93
 1,2,4-Trichlorobenzene
 Concen: 50.771 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009059.D
 Acq: 19 Apr 2019 10:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	184052		
182	95.8	47.6	142.9	
145	29.5	14.8	44.4	

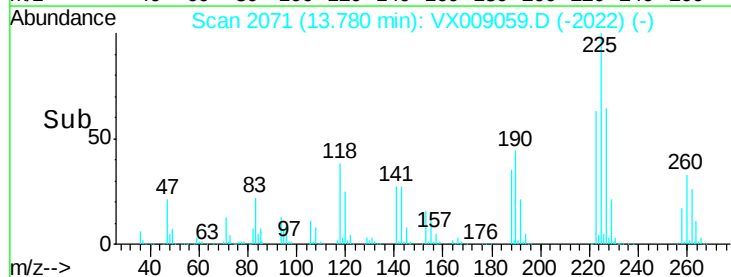
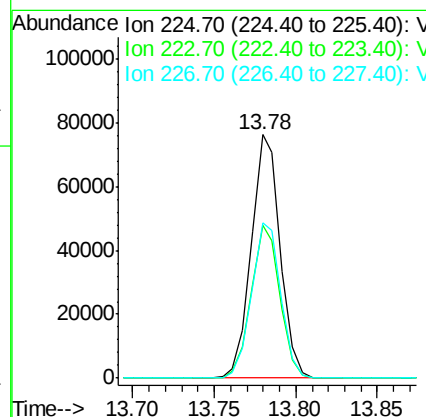
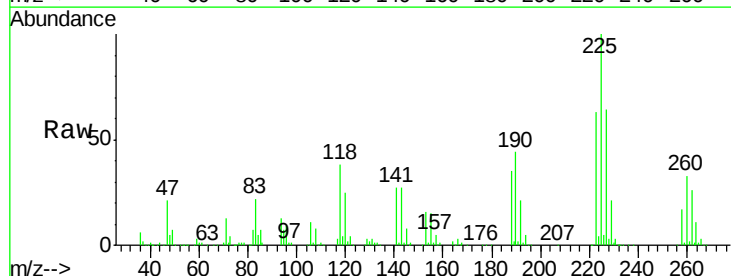
Manual Integrations
 APPROVED

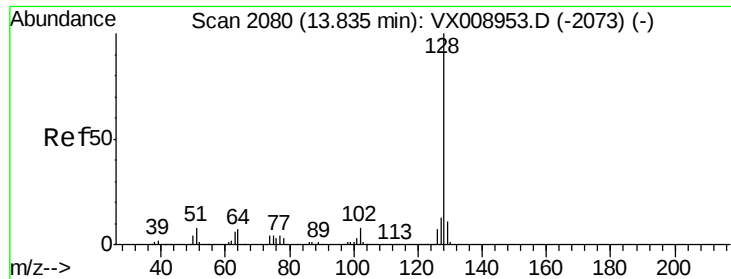
MMDadoda
 4/22/2019 10:50:49 AM



#94
 Hexachlorobutadiene
 Concen: 51.883 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009059.D
 Acq: 19 Apr 2019 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	93807		
223	62.6	31.1	93.2	
227	64.6	32.0	96.2	





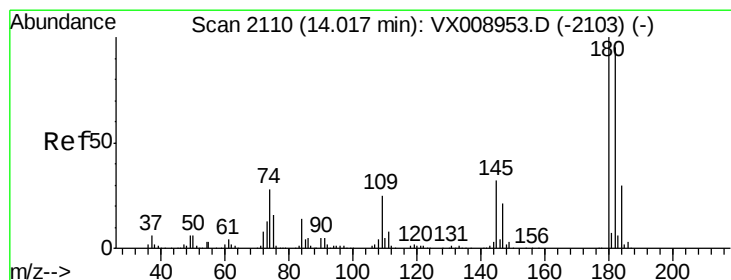
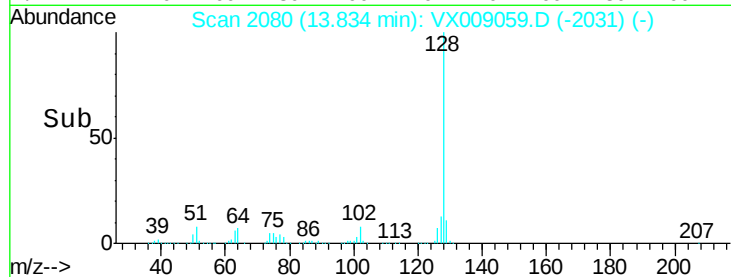
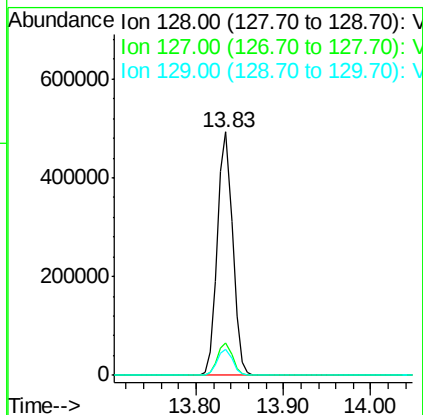
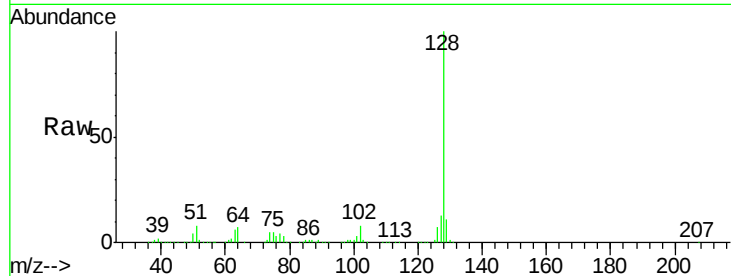
#95
Naphthalene
Concen: 51.004 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/22/2019 10:50:49 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.419 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009059.D
Acq: 19 Apr 2019 10:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.8	143.4
145	30.4	15.8	47.3

