

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060419\
 Data File : VX010063.D
 Acq On : 04 Jun 2019 17:51
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/5/2019 9:26:56 AM

Quant Time: Jun 05 08:02:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	184116	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	281953	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	259583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133898	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	112256	43.16	ug/l	0.00
Spiked Amount			Recovery	=	86.32%	
35) Dibromofluoromethane	5.49	113	82844	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	
50) Toluene-d8	8.71	98	337265	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	
62) 4-Bromofluorobenzene	11.13	95	127326	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	105817	47.033	ug/l	99
3) Chloromethane	1.32	50	112271	37.119	ug/l	100
4) Vinyl Chloride	1.41	62	106863	39.192	ug/l	100
5) Bromomethane	1.64	94	79161	47.918	ug/l	99
6) Chloroethane	1.71	64	65741	39.167	ug/l	99
7) Trichlorofluoromethane	1.92	101	125587	41.681	ug/l	100
8) Diethyl Ether	2.18	74	54427	38.440	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	79862	43.902	ug/l	98
10) Methyl Iodide	2.51	142	80242	36.962	ug/l	100
11) Tert butyl alcohol	3.05	59	127924	199.864	ug/l	100
12) 1,1-Dichloroethene	2.37	96	78648	42.180	ug/l	97
13) Acrolein	2.29	56	103656	230.290	ug/l	99
14) Allyl chloride	2.73	41	190596	42.057	ug/l	99
15) Acrylonitrile	3.14	53	302979	196.459	ug/l	100
16) Acetone	2.45	43	329715	219.418	ug/l	99
17) Carbon Disulfide	2.57	76	225105	39.948	ug/l	98
18) Methyl Acetate	2.77	43	142164	40.659	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	304306	43.228	ug/l	99
20) Methylene Chloride	2.85	84	95034	41.298	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	85147	41.041	ug/l	98
22) Diisopropyl ether	3.85	45	365303	42.365	ug/l	86
23) Vinyl Acetate	3.81	43	1614767	208.456	ug/l	99
24) 1,1-Dichloroethane	3.69	63	175501	41.998	ug/l	99
25) 2-Butanone	4.67	43	486264	207.703	ug/l	98
26) 2,2-Dichloropropane	4.58	77	141265	44.689	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	100094	41.795	ug/l	97
28) Bromochloromethane	5.01	49	85011	39.203	ug/l	96
29) Tetrahydrofuran	5.12	42	294896	196.428	ug/l	99
30) Chloroform	5.21	83	162348	43.078	ug/l	97
31) Cyclohexane	5.57	56	172071	43.476	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	137583	44.827	ug/l	99
36) 1,1-Dichloropropene	5.80	75	126856	44.344	ug/l	99
37) Ethyl Acetate	4.83	43	169652	42.561	ug/l	100
38) Carbon Tetrachloride	5.78	117	115879	46.875	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060419\
 Data File : VX010063.D
 Acq On : 04 Jun 2019 17:51
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/5/2019 9:26:56 AM

Quant Time: Jun 05 08:02:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	160432	47.278	ug/l	97
40) Benzene	6.14	78	381043	44.901	ug/l	99
41) Methacrylonitrile	5.04	41	96815	41.566	ug/l	97
42) 1,2-Dichloroethane	6.19	62	139025	44.313	ug/l	100
43) Isopropyl Acetate	6.44	43	279980	43.531	ug/l	99
44) Trichloroethene	7.21	130	93051	45.141	ug/l	96
45) 1,2-Dichloropropane	7.51	63	107831	44.141	ug/l	95
46) Dibromomethane	7.66	93	61882	43.035	ug/l	97
47) Bromodichloromethane	7.90	83	128724	47.075	ug/l	97
48) Methyl methacrylate	7.77	41	141678	44.498	ug/l	99
49) 1,4-Dioxane	7.74	88	51810	874.814	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	922583	220.507	ug/l	99
52) Toluene	8.78	92	235830	45.770	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	153954	46.946	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	167564	46.896	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	95397	46.000	ug/l	97
56) Ethyl methacrylate	9.18	69	178657	48.389	ug/l	99
57) 1,3-Dichloropropane	9.37	76	166885	44.809	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	426367	220.228	ug/l	99
59) 2-Hexanone	9.49	43	735389	228.296	ug/l	100
60) Dibromochloromethane	9.58	129	99526	48.787	ug/l	99
61) 1,2-Dibromoethane	9.67	107	97955	45.976	ug/l	100
64) Tetrachloroethene	9.34	164	85255	47.020	ug/l	97
65) Chlorobenzene	10.13	112	248792	45.781	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	91313	48.445	ug/l	99
67) Ethyl Benzene	10.25	91	464302	47.584	ug/l	100
68) m/p-Xylenes	10.35	106	343909	95.404	ug/l	99
69) o-Xylene	10.69	106	167752	48.523	ug/l	98
70) Styrene	10.71	104	298188	49.189	ug/l	99
71) Bromoform	10.85	173	78210	50.762	ug/l #	98
73) Isopropylbenzene	11.02	105	454953	46.051	ug/l	99
74) N-amyl acetate	10.90	43	261961	44.375	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	157444	42.718	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	139118m	43.448	ug/l	
77) Bromobenzene	11.26	156	113756	45.183	ug/l	96
78) n-propylbenzene	11.36	91	538808	47.316	ug/l	100
79) 2-Chlorotoluene	11.42	91	312606	44.931	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	389813	46.836	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	57185	44.188	ug/l	99
82) 4-Chlorotoluene	11.51	91	367586	45.385	ug/l	99
83) tert-Butylbenzene	11.77	119	376238	47.251	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	394962	46.728	ug/l	100
85) sec-Butylbenzene	11.94	105	452350	47.752	ug/l	99
86) p-Isopropyltoluene	12.06	119	418383	49.103	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	207014	46.184	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	206975	45.277	ug/l	98
89) n-Butylbenzene	12.38	91	390789	48.803	ug/l	99
90) Hexachloroethane	12.59	117	69916	47.814	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	204177	46.202	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35361	40.759	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060419\
Data File : VX010063.D
Acq On : 04 Jun 2019 17:51
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

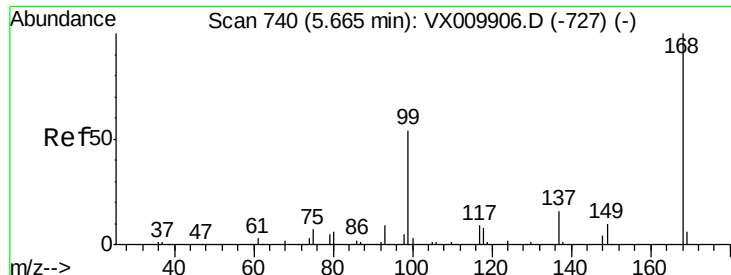
Manual Integrations
APPROVED

MMDadoda
6/5/2019 9:26:56 AM

Quant Time: Jun 05 08:02:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	153273	48.534	ug/l	99
94) Hexachlorobutadiene	13.78	225	79021	49.886	ug/l	99
95) Naphthalene	13.83	128	454910	46.288	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	149649	47.339	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: VX010063.D

Acq: 04 Jun 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 184116

Ion Ratio Lower Upper

168 100

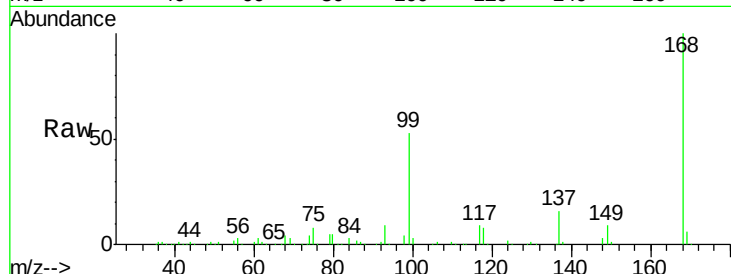
99 53.0 43.0 64.6

Manual Integrations

APPROVED

MMDadoda

6/5/2019 9:26:56 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

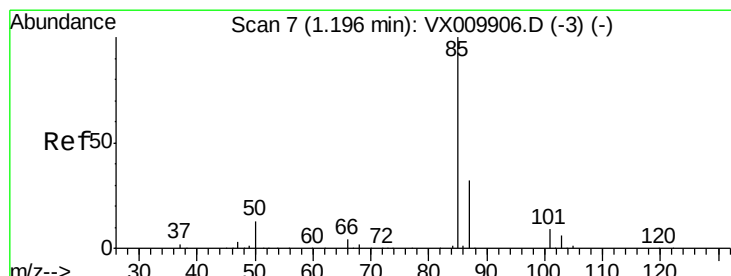
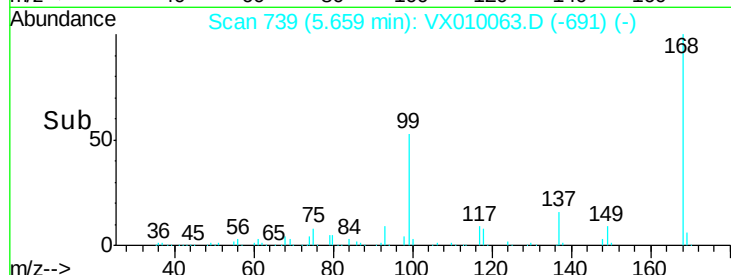
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 47.033 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010063.D

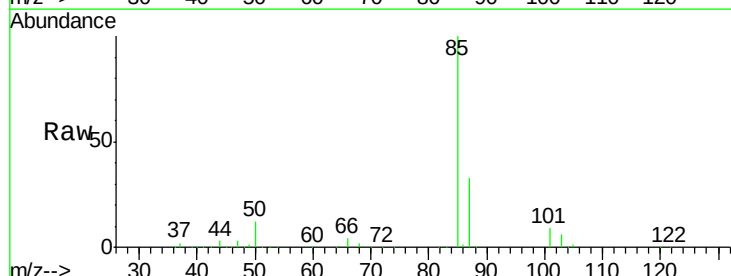
Acq: 04 Jun 2019 17:51

Tgt Ion: 85 Resp: 105817

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

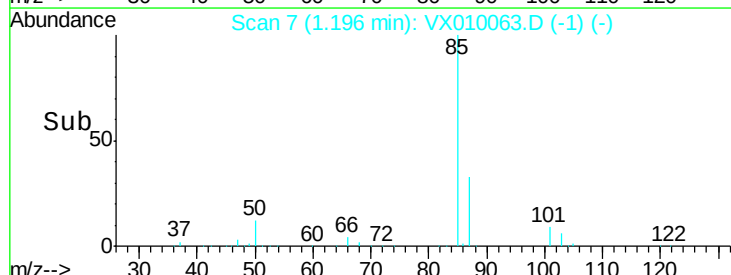
60000

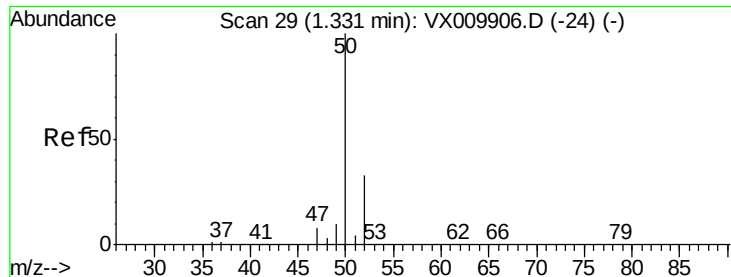
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 37.119 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 112271

Ion Ratio Lower Upper

50 100

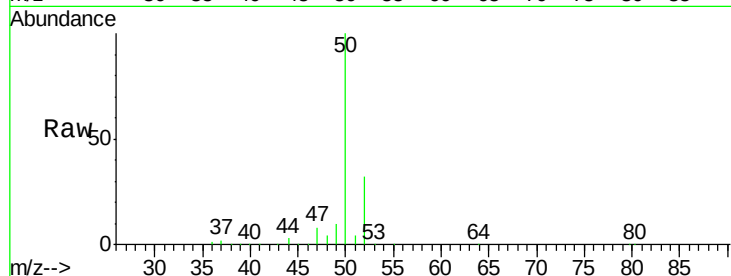
52 32.3 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

6/5/2019 9:26:56 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

120000

100000

80000

60000

40000

20000

0

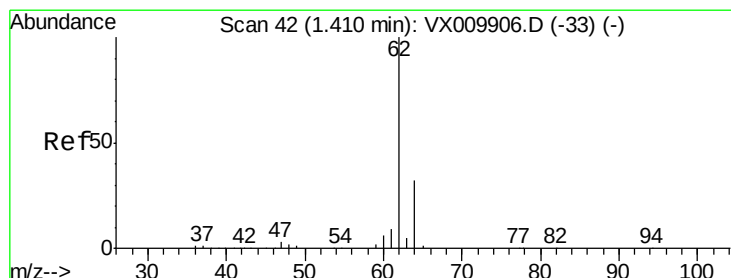
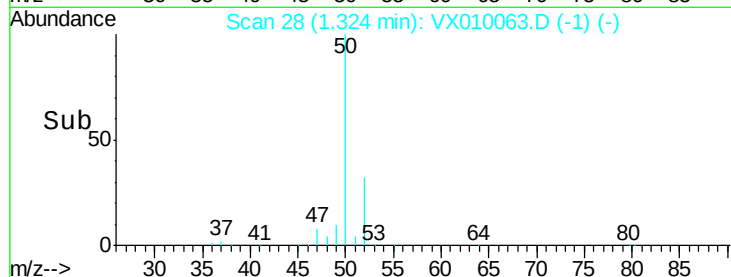
1.30

1.32

1.35

1.40

Time-->



#4

Vinyl Chloride

Concen: 39.192 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010063.D

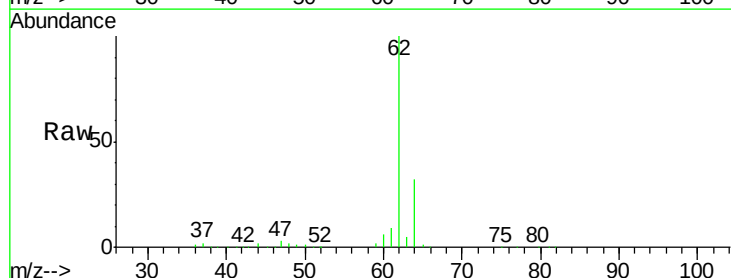
Acq: 04 Jun 2019 17:51

Tgt Ion: 62 Resp: 106863

Ion Ratio Lower Upper

62 100

64 31.9 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

100000

80000

60000

40000

20000

0

1.35

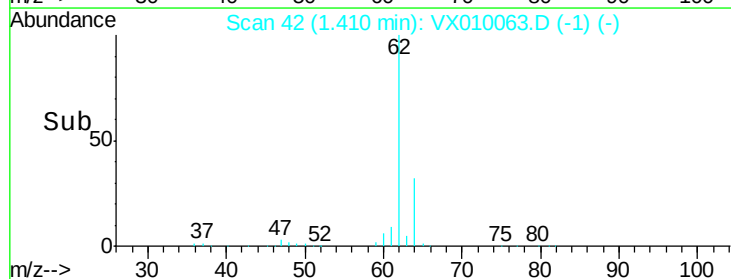
1.40

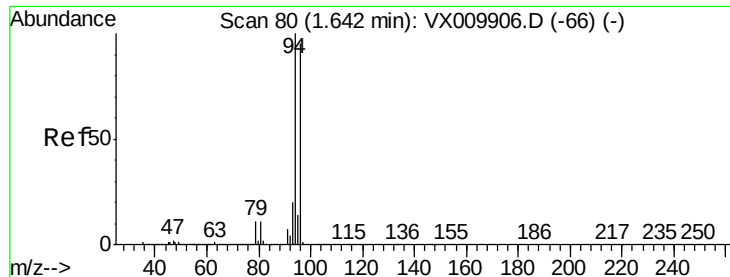
1.45

1.50

1.55

Time-->





#5

Bromomethane

Concen: 47.918 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 79161

Ion Ratio Lower Upper

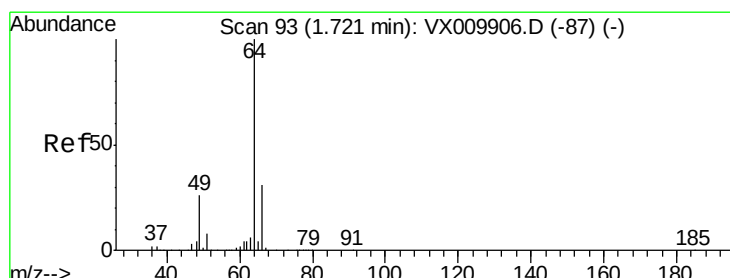
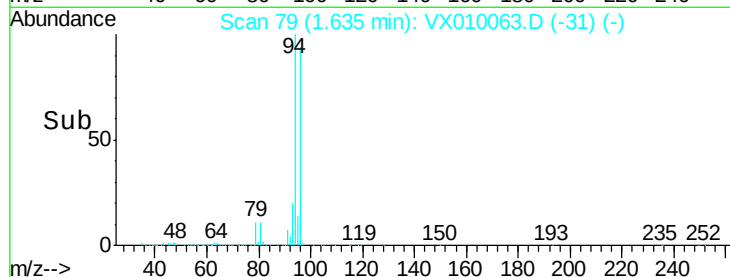
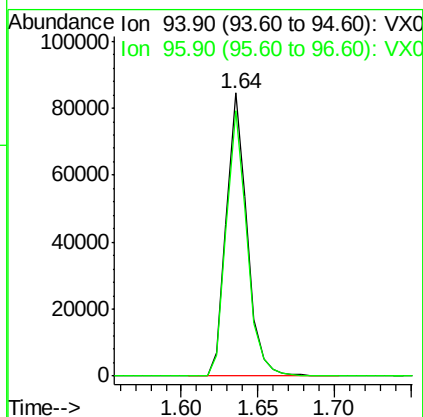
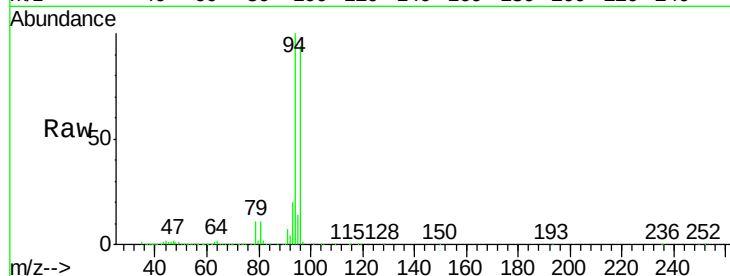
94 100

96 93.9 76.2 114.4

Manual Integrations
APPROVED

MMDadoda

6/5/2019 9:26:56 AM



#6

Chloroethane

Concen: 39.167 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX010063.D

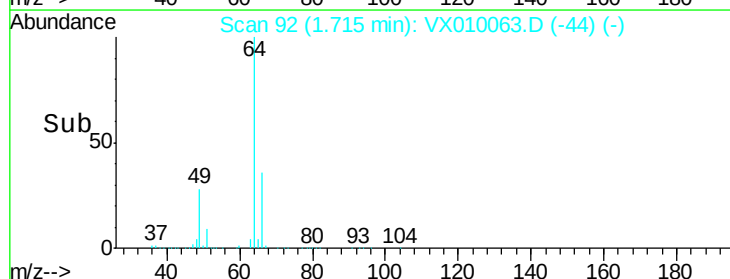
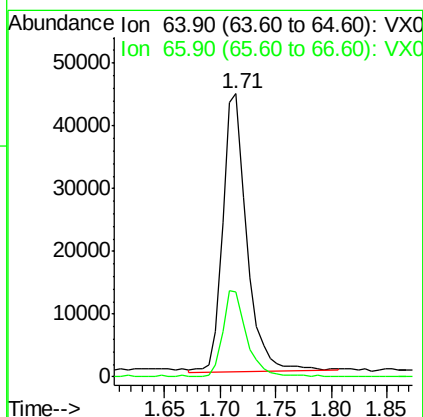
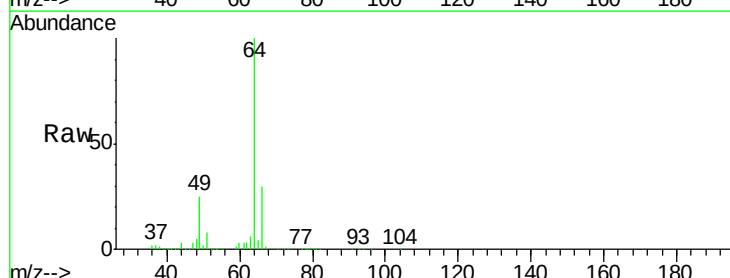
Acq: 04 Jun 2019 17:51

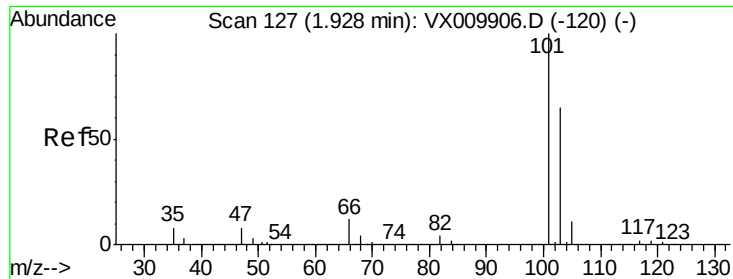
Tgt Ion: 64 Resp: 65741

Ion Ratio Lower Upper

64 100

66 30.8 25.1 37.7





#7

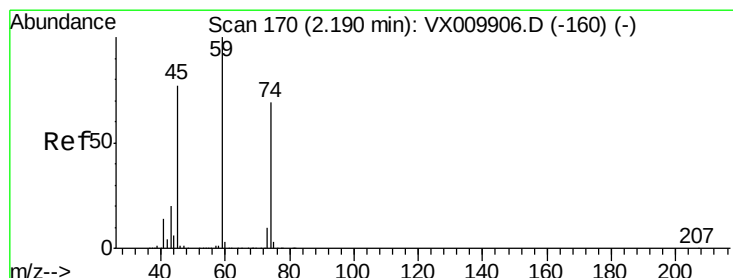
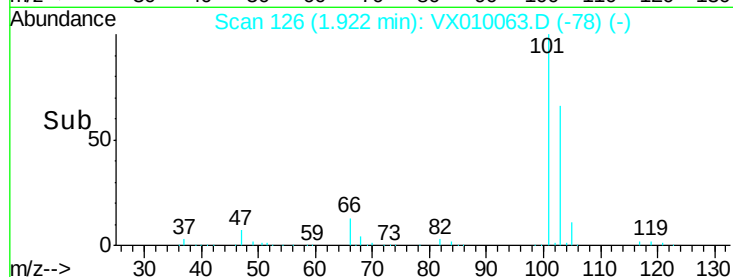
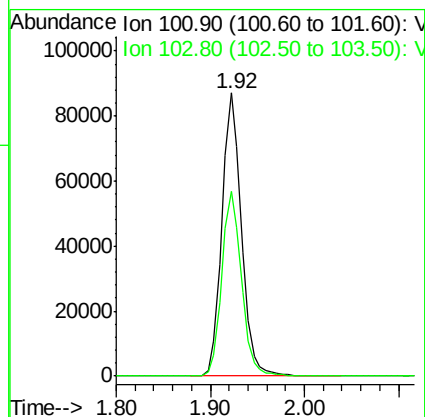
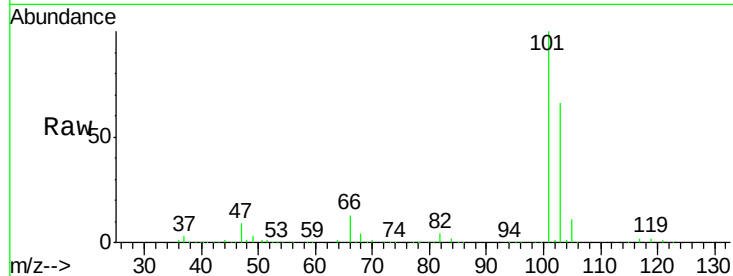
Trichlorofluoromethane
Concen: 41.681 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 125587
Ion Ratio Lower Upper
101 100
103 65.5 52.2 78.4

Manual Integrations
APPROVED

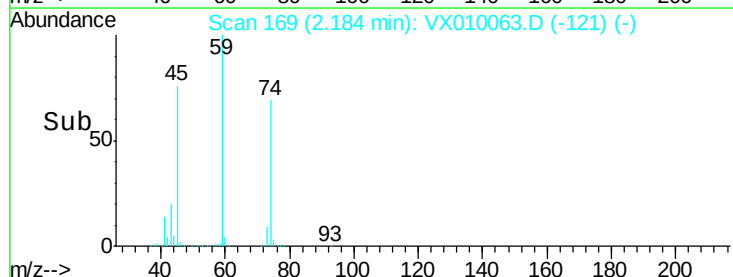
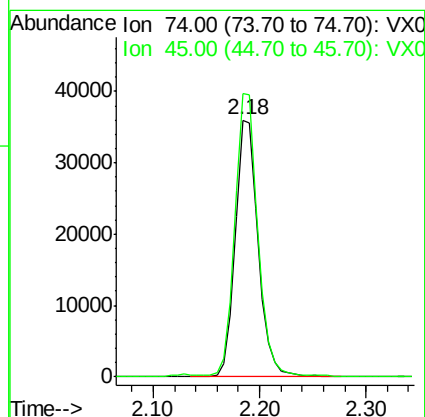
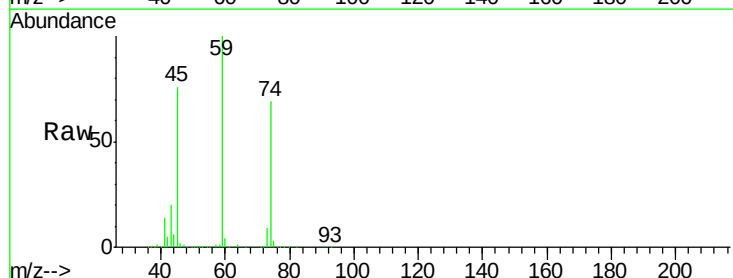
MMDadoda
6/5/2019 9:26:56 AM

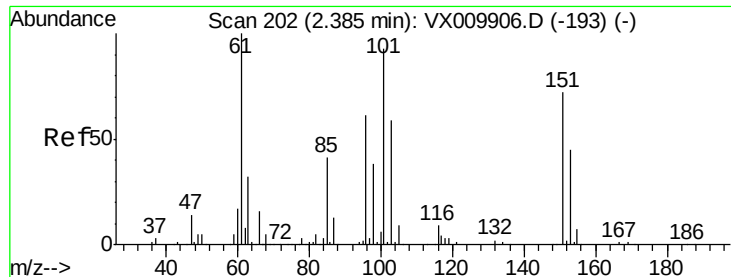


#8

Diethyl Ether
Concen: 38.440 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Tgt Ion: 74 Resp: 54427
Ion Ratio Lower Upper
74 100
45 110.9 56.1 168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.902 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

Instrument :

MSVOA_X

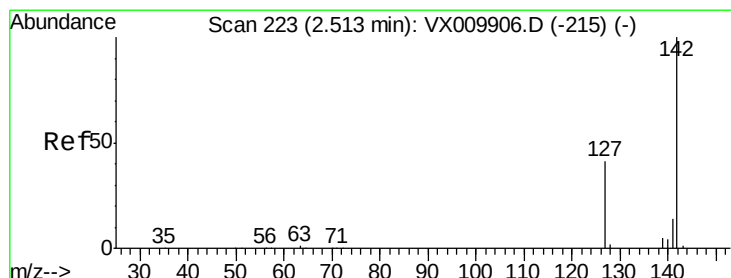
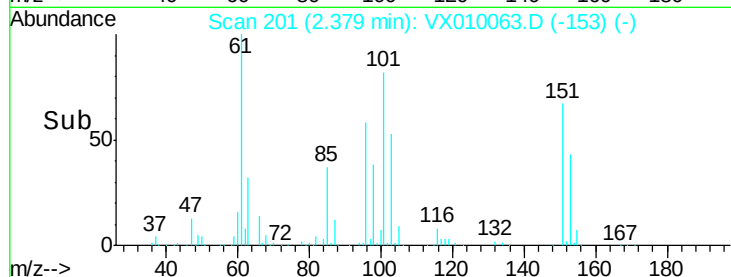
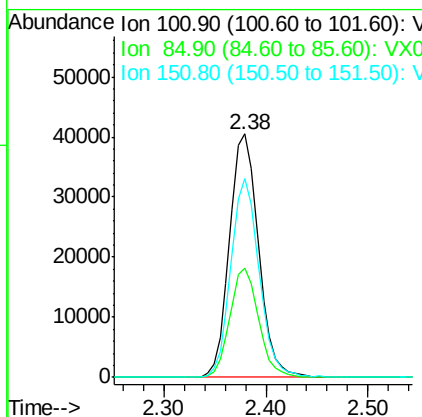
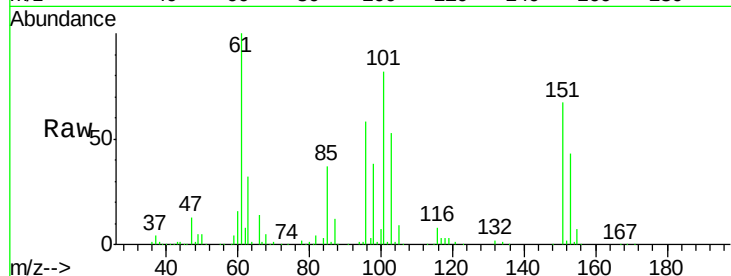
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	79862
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.2	52.8
151	79.7	61.9	92.9

Manual Integrations
APPROVED

MMDadoda
6/5/2019 9:26:56 AM



#10

Methyl Iodide

Concen: 36.962 ug/l

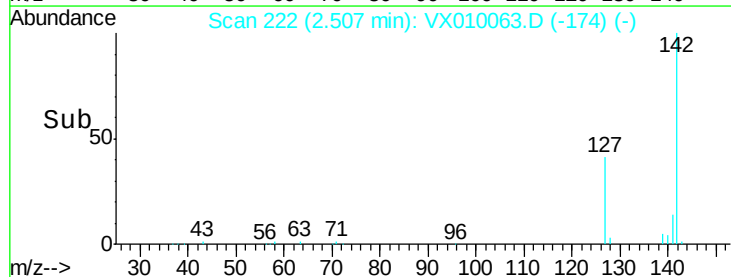
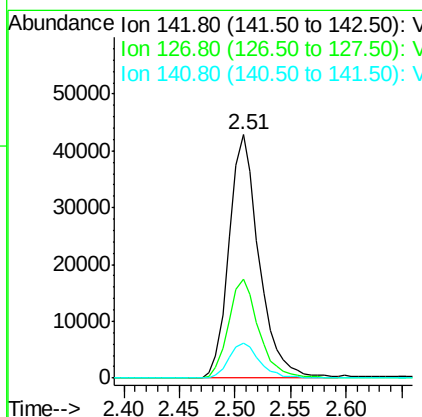
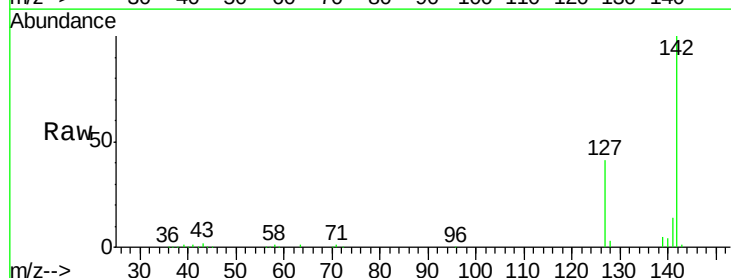
RT: 2.51 min Scan# 222

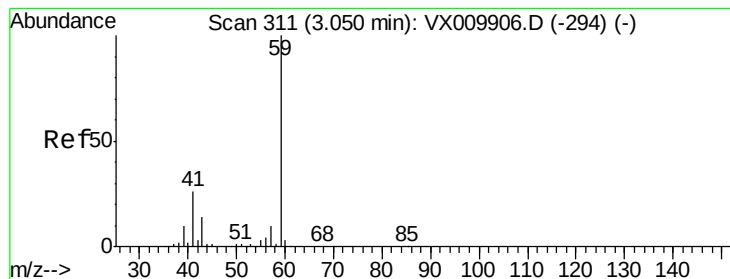
Delta R.T. -0.01 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

Tgt Ion:	142	Resp:	80242
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.0	49.4
141	14.6	11.4	17.0





#11

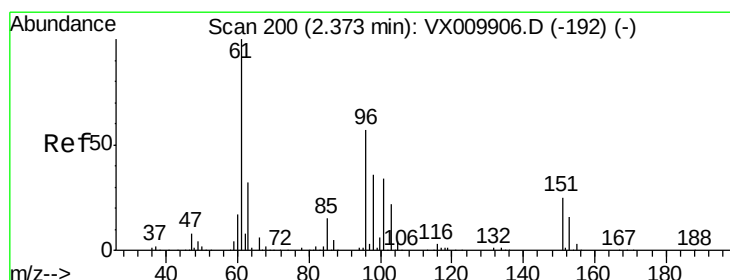
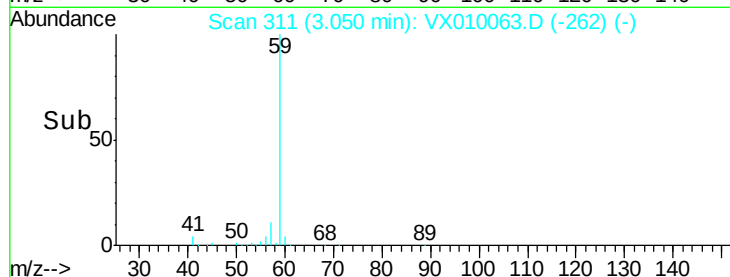
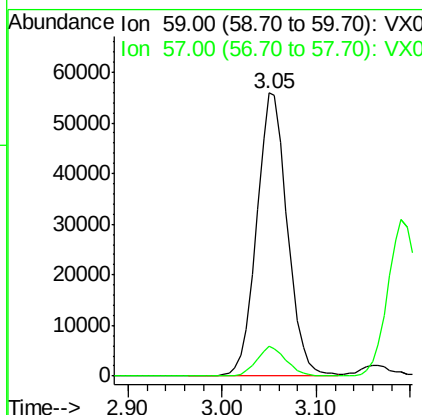
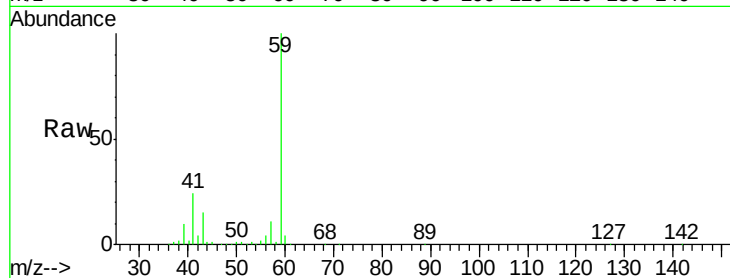
Tert butyl alcohol
 Concen: 199.864 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. -0.00 min
 Lab File: VX010063.D
 Acq: 04 Jun 2019 17:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	127924
Ion Ratio	100	Lower	Upper
57	10.3	8.2	12.2

Manual Integrations
 APPROVED

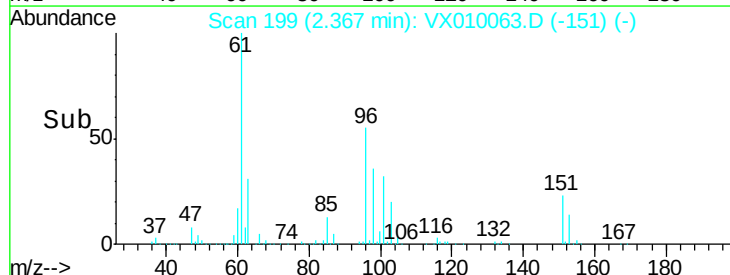
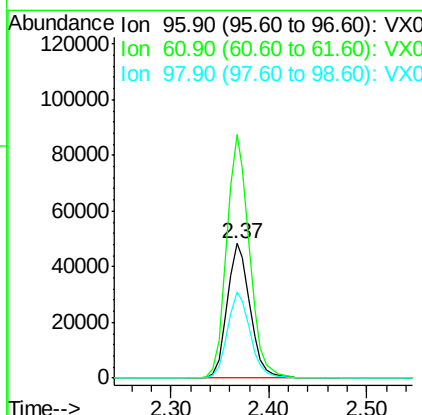
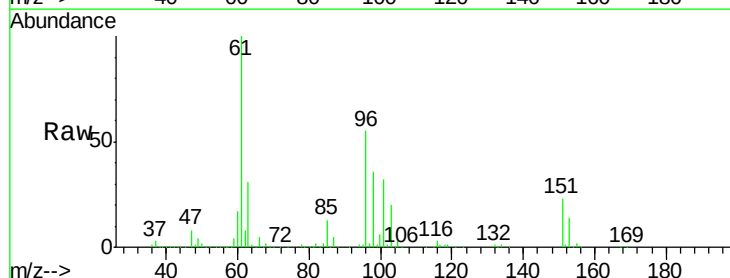
MMDadoda
 6/5/2019 9:26:56 AM

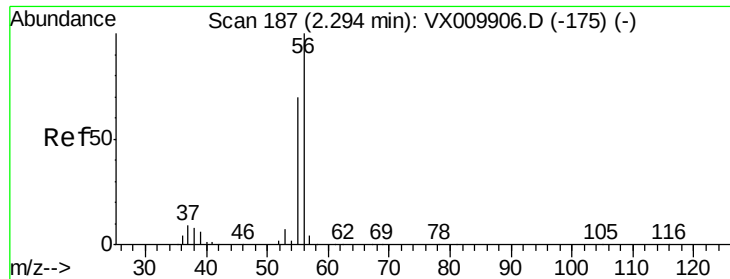


#12

1,1-Dichloroethene
 Concen: 42.180 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.01 min
 Lab File: VX010063.D
 Acq: 04 Jun 2019 17:51

Tgt Ion	96	Resp	78648
Ion Ratio	100	Lower	Upper
61	181.2	140.7	211.1
98	64.6	50.1	75.1





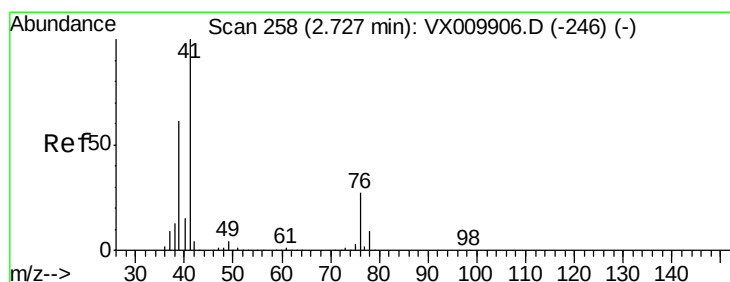
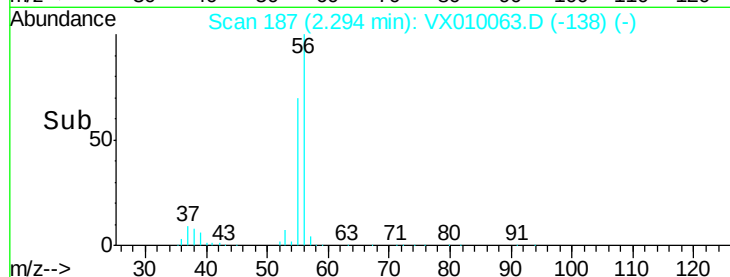
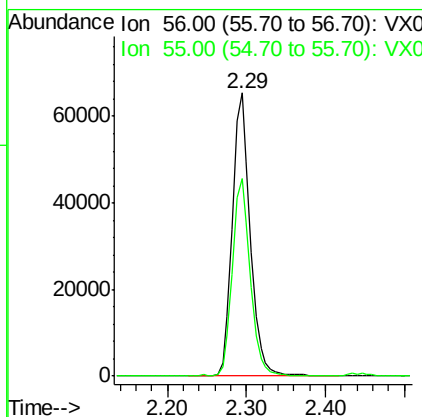
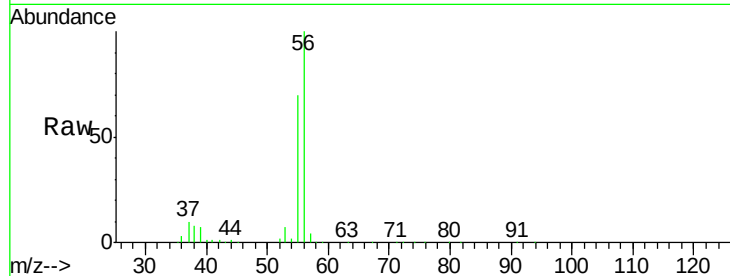
#13
Acrolein
Concen: 230.290 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.0	57.0	85.4

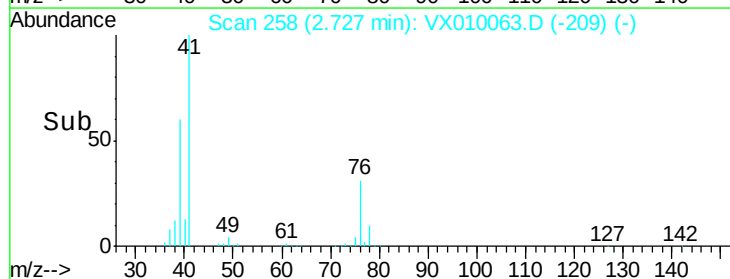
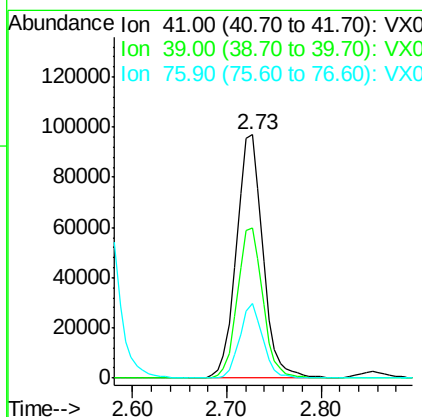
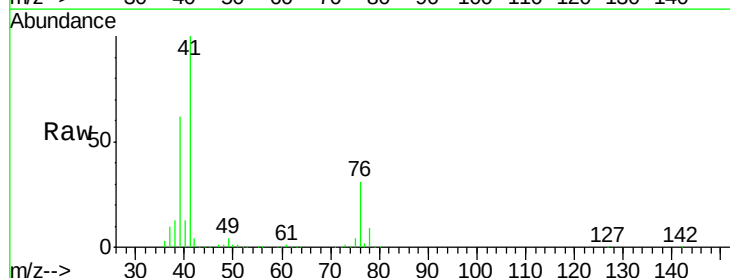
Manual Integrations
APPROVED

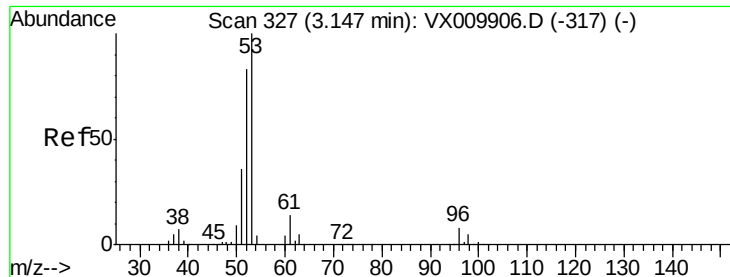
MMDadoda
6/5/2019 9:26:56 AM



#14
Allyl chloride
Concen: 42.057 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.7	46.7	70.1
76	26.9	21.0	31.4





#15

Acrylonitrile

Concen: 196.459 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

Instrument :

MSVOA_X

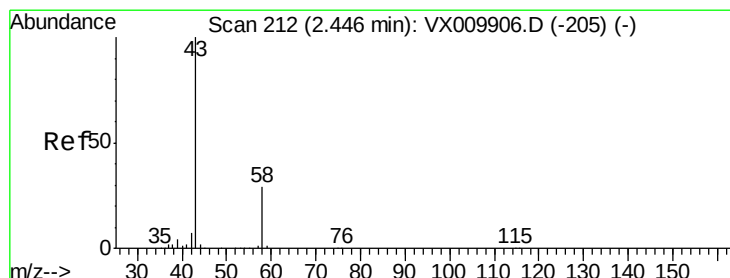
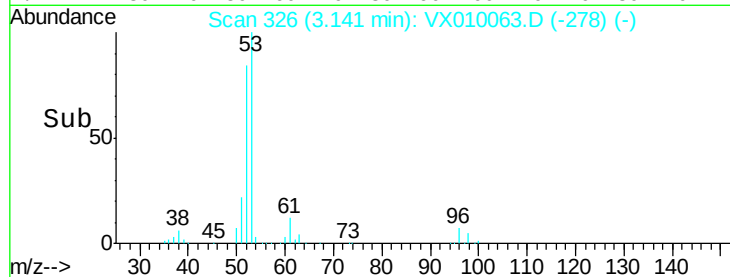
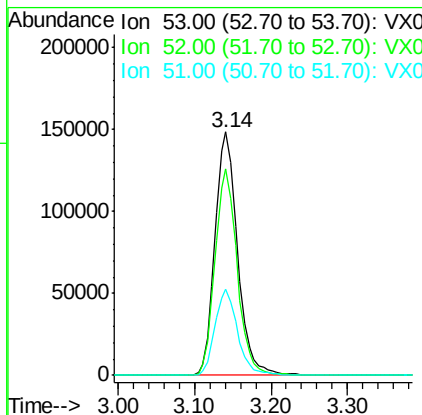
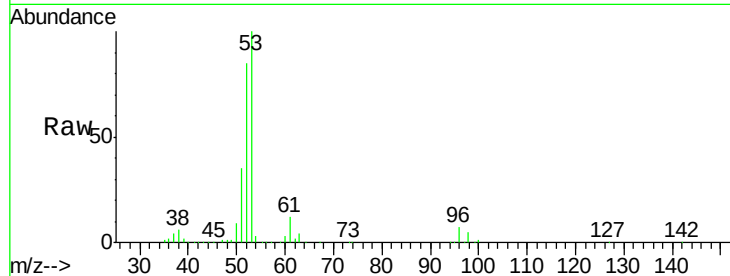
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	302979
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.7	100.1
51	35.6	28.8	43.2

Manual Integrations
APPROVED

MMDadoda
6/5/2019 9:26:56 AM



#16

Acetone

Concen: 219.418 ug/l

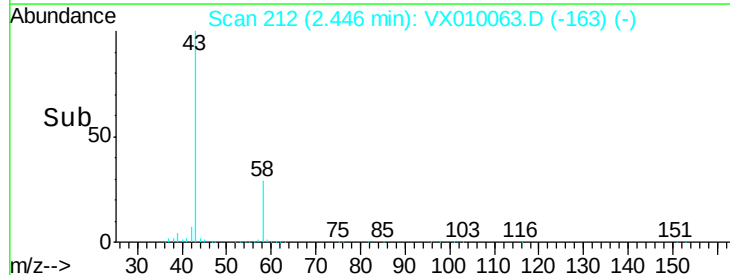
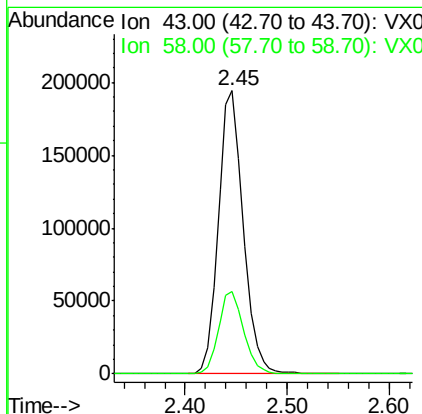
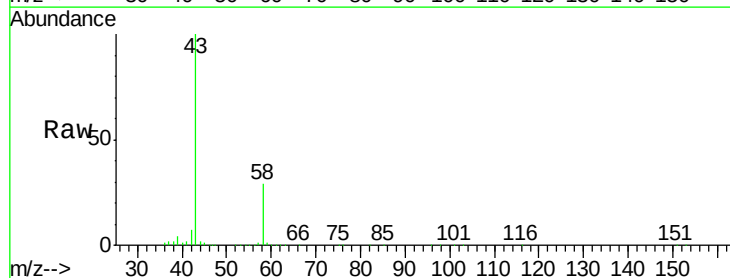
RT: 2.45 min Scan# 212

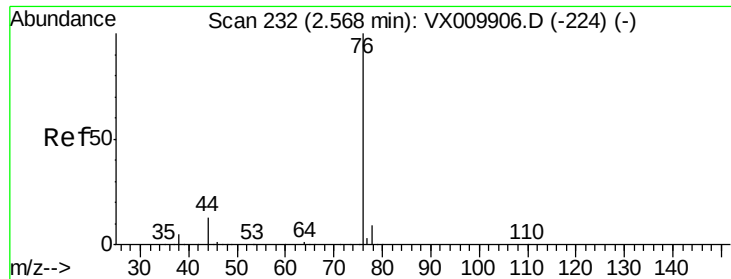
Delta R.T. -0.00 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

Tgt Ion:	43	Resp:	329715
Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.2	34.8





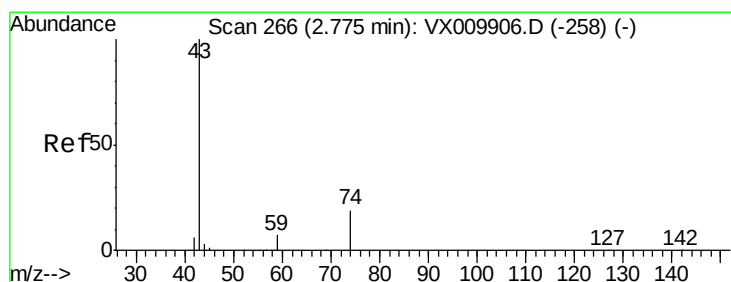
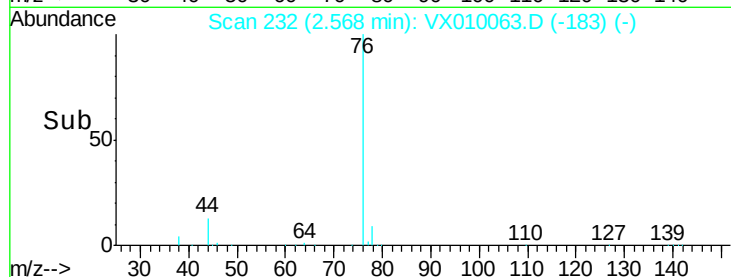
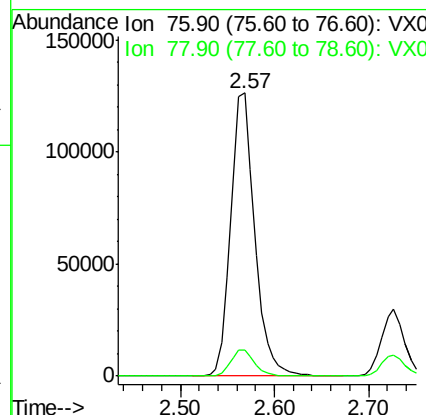
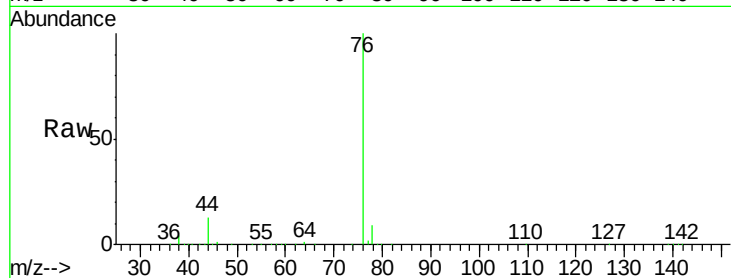
#17
Carbon Disulfide
Concen: 39.948 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.6

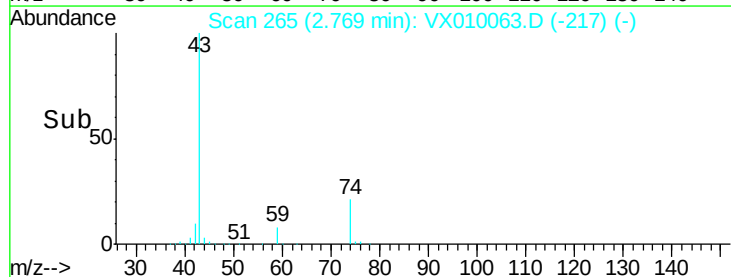
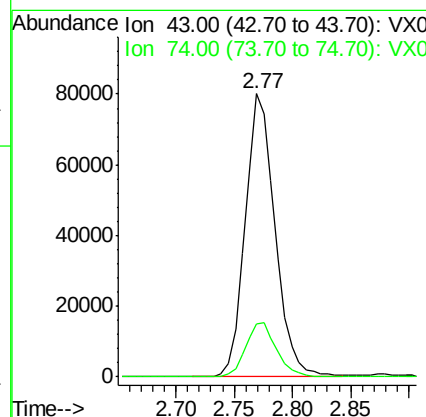
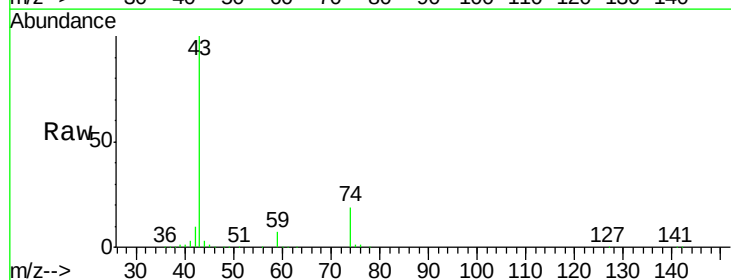
Manual Integrations
APPROVED

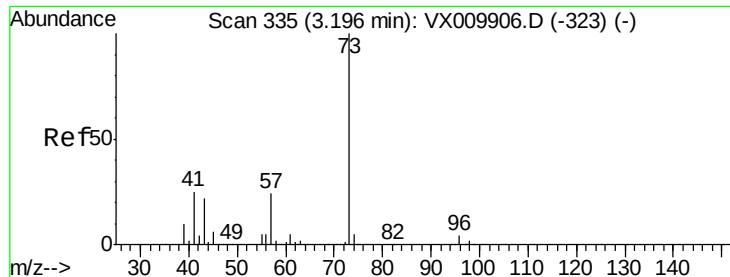
MMDadoda
6/5/2019 9:26:56 AM



#18
Methyl Acetate
Concen: 40.659 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.4	15.8	23.6





#19

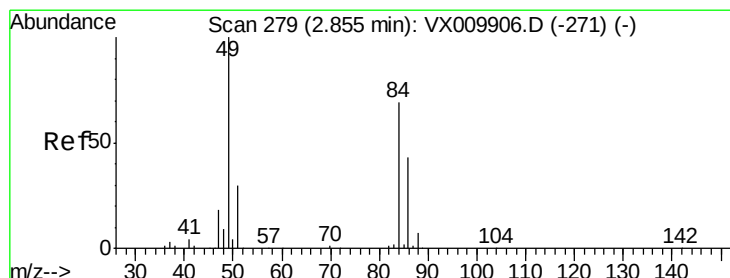
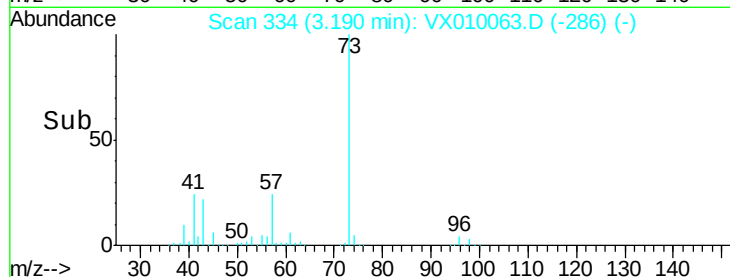
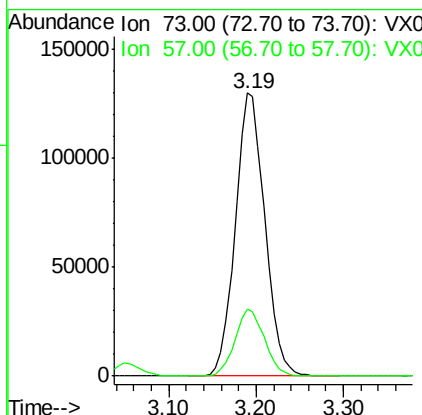
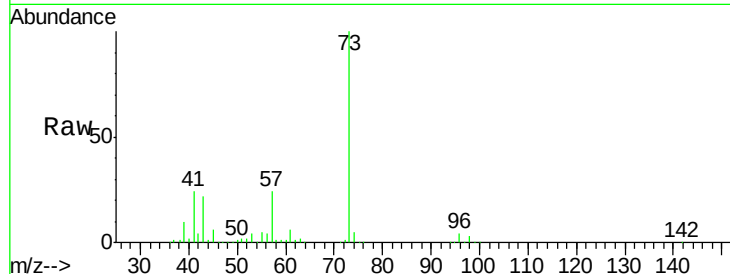
Methyl tert-butyl Ether
 Concen: 43.228 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX010063.D
 Acq: 04 Jun 2019 17:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.4	29.2

Manual Integrations
 APPROVED

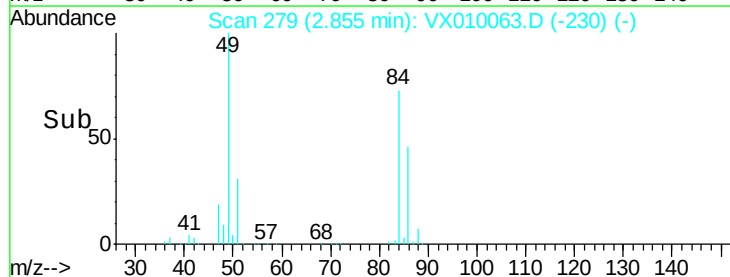
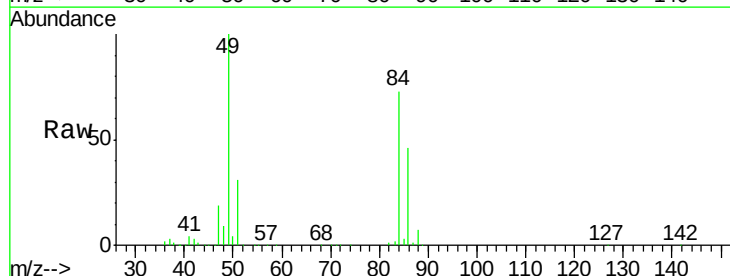
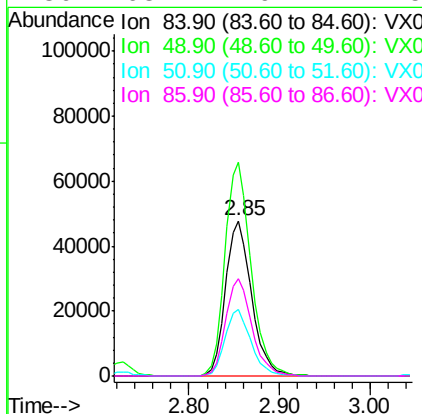
MMDadoda
 6/5/2019 9:26:56 AM

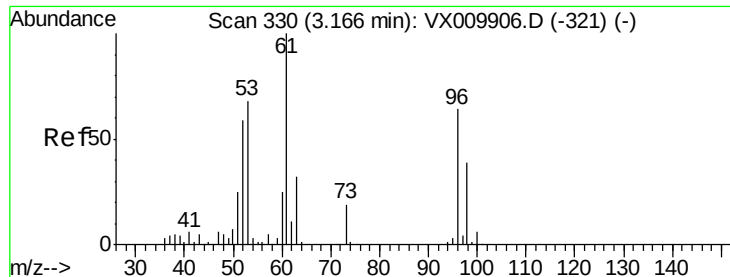


#20

Methylene Chloride
 Concen: 41.298 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX010063.D
 Acq: 04 Jun 2019 17:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.7	115.8	173.6
51	43.1	34.4	51.6
86	63.1	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 41.041 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

Instrument :

MSVOA_X

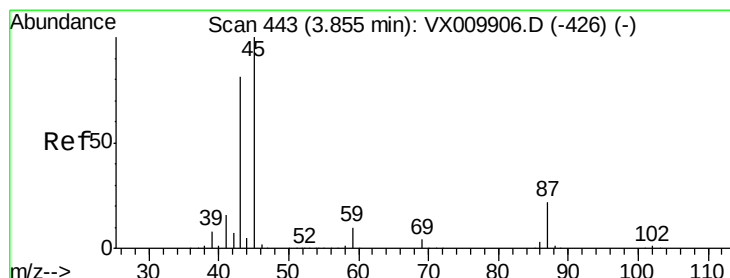
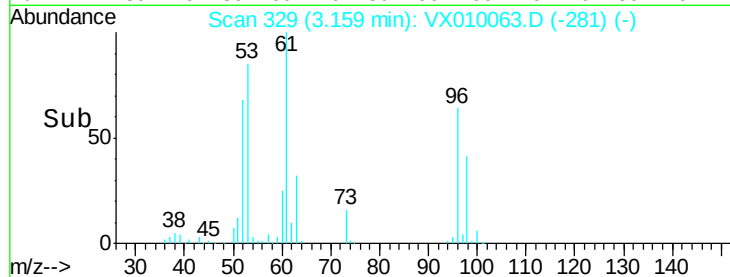
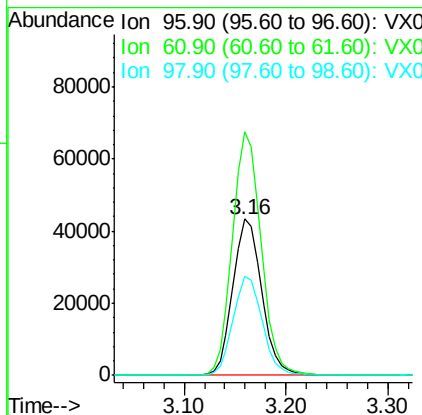
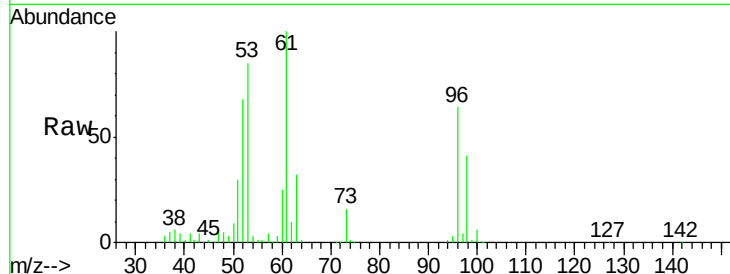
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	85147
Ion	Ratio	Lower	Upper
96	100		
61	155.7	125.7	188.5
98	63.4	49.0	73.6

Manual Integrations
APPROVED

MMDadoda
6/5/2019 9:26:56 AM



#22

Diisopropyl ether

Concen: 42.365 ug/l

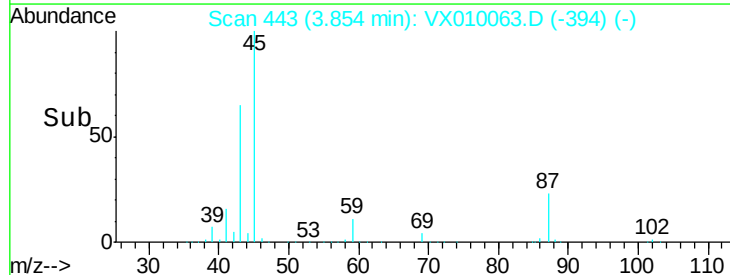
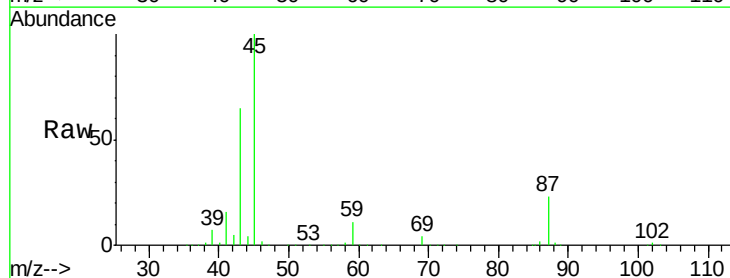
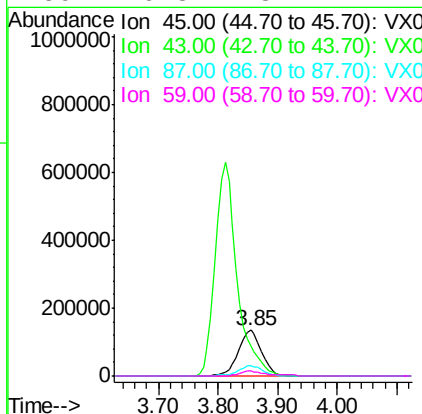
RT: 3.85 min Scan# 443

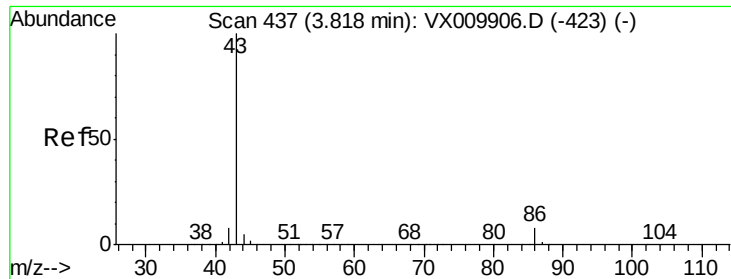
Delta R.T. -0.00 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

Tgt Ion:	45	Resp:	365303
Ion	Ratio	Lower	Upper
45	100		
43	65.4	65.0	97.4
87	23.2	17.3	25.9
59	10.8	8.1	12.1





#23

Vinyl Acetate

Concen: 208.456 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 1614767

Ion Ratio Lower Upper

43 100

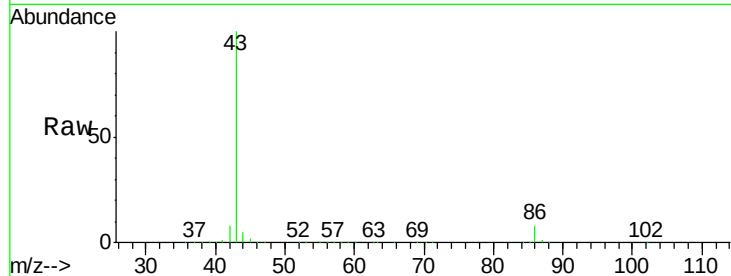
86 8.5 6.5 9.7

Manual Integrations

APPROVED

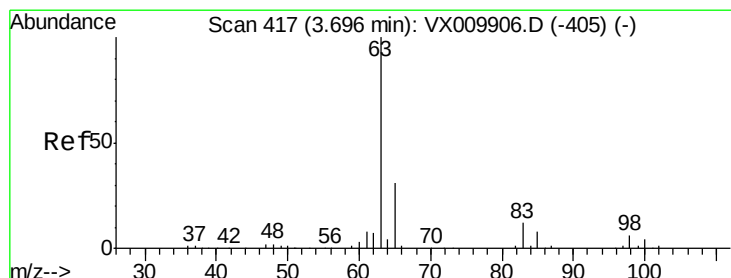
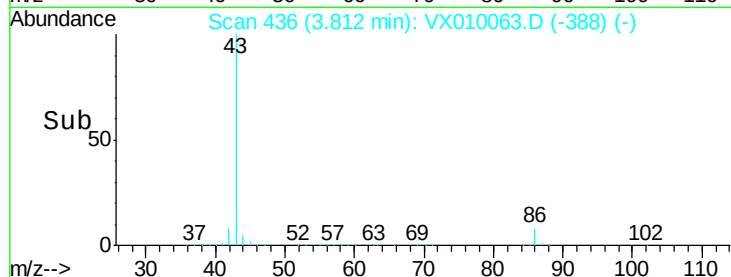
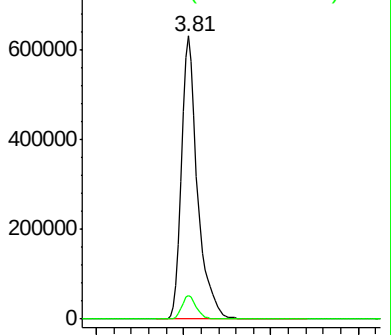
MMDadoda

6/5/2019 9:26:56 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 41.998 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

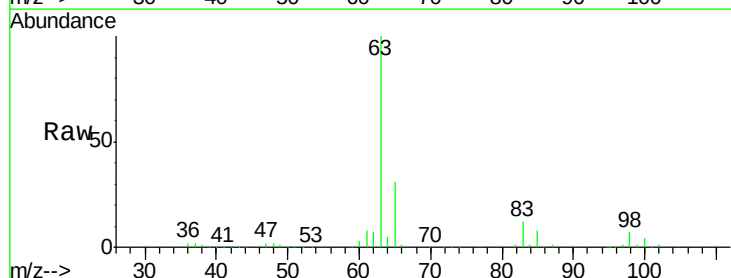
Tgt Ion: 63 Resp: 175501

Ion Ratio Lower Upper

63 100

98 6.7 2.9 8.8

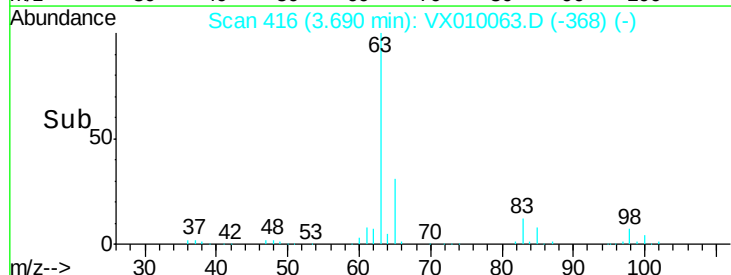
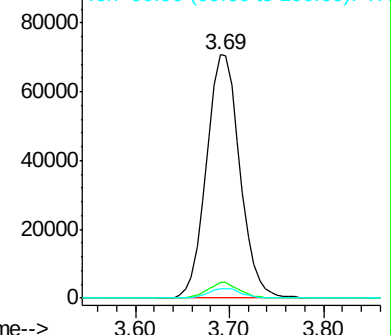
100 3.6 1.8 5.4

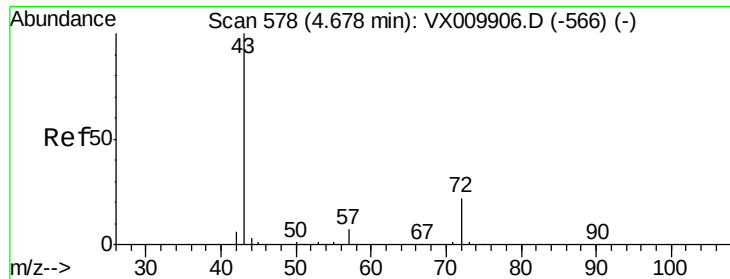


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 207.703 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 486264

Ion Ratio Lower Upper

43 100

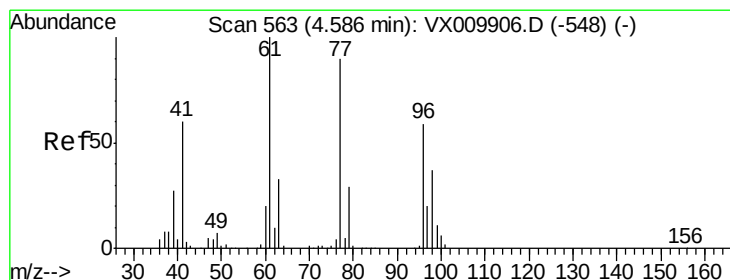
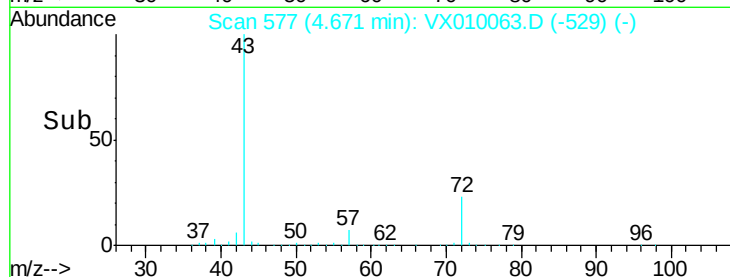
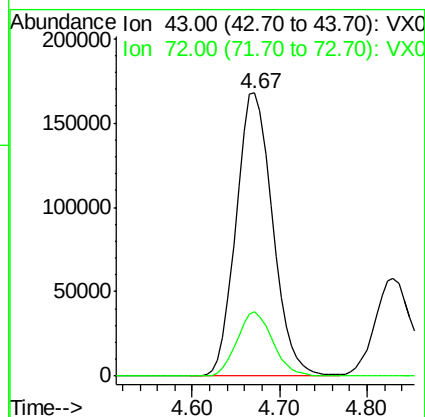
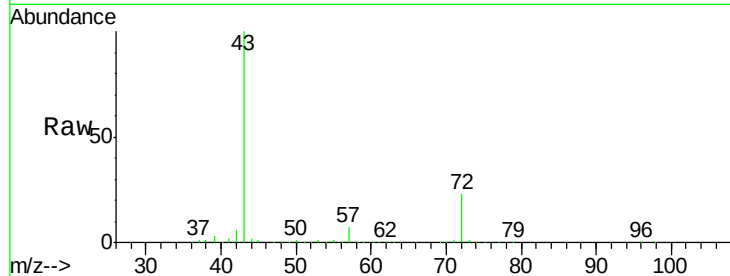
72 22.7 17.5 26.3

Manual Integrations

APPROVED

MMDadoda

6/5/2019 9:26:56 AM



#26

2,2-Dichloropropane

Concen: 44.689 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX010063.D

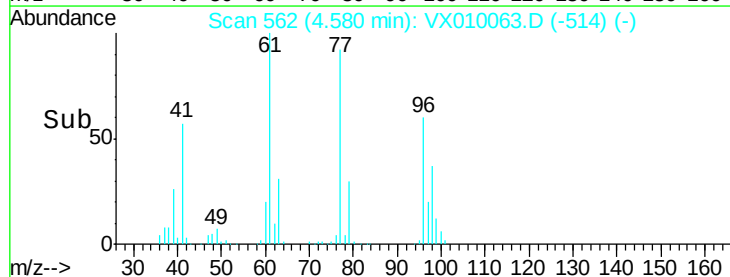
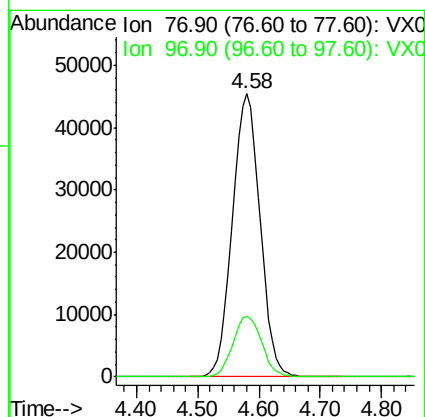
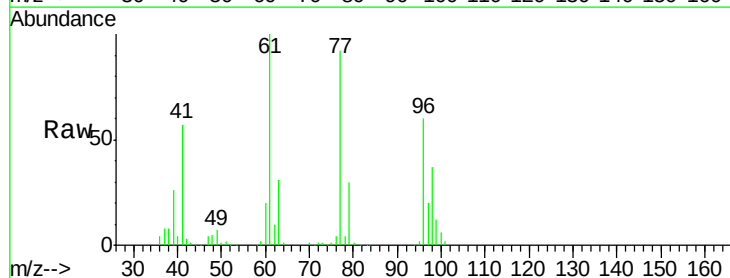
Acq: 04 Jun 2019 17:51

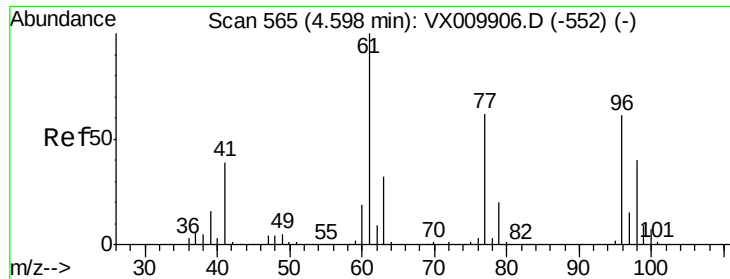
Tgt Ion: 77 Resp: 141265

Ion Ratio Lower Upper

77 100

97 22.4 11.4 34.2





#27

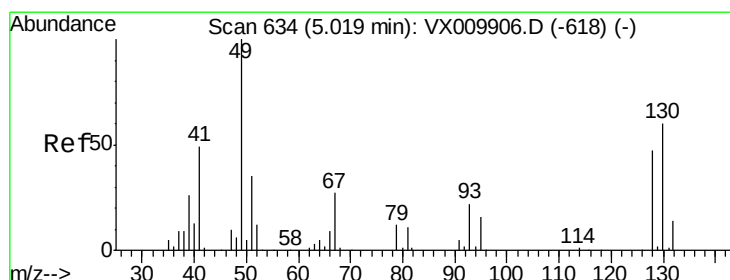
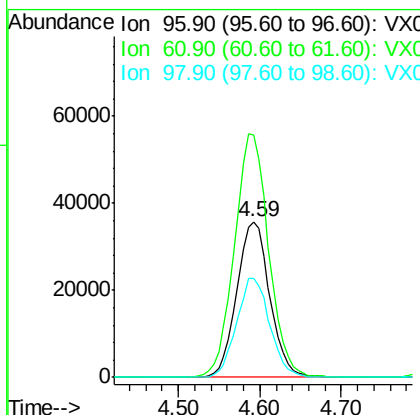
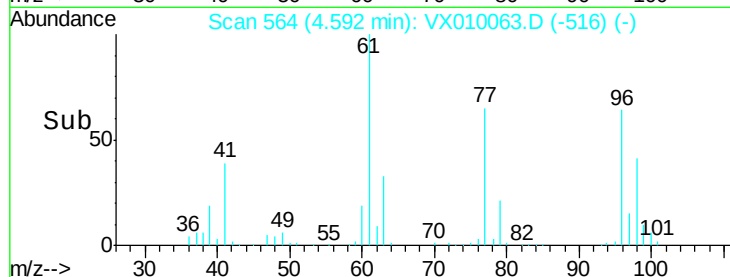
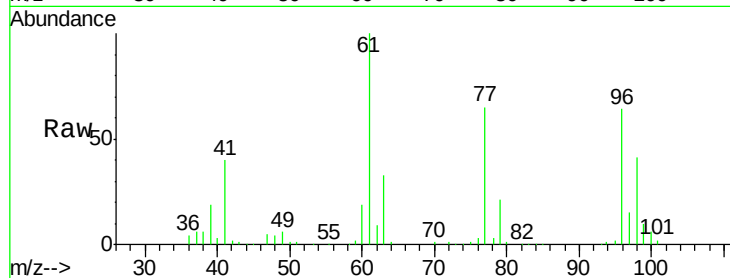
cis-1,2-Dichloroethene
Concen: 41.795 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	100094		
61	162.6	0.0	334.0	
98	64.4	0.0	131.6	

Manual Integrations
APPROVED

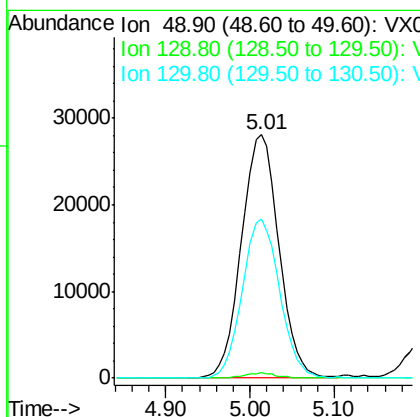
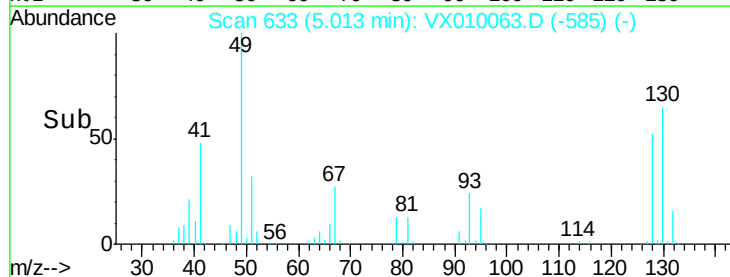
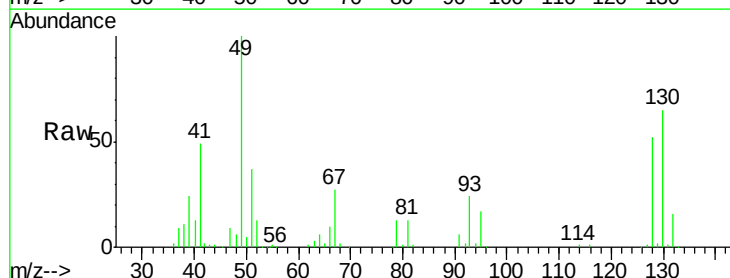
MMDadoda
6/5/2019 9:26:56 AM

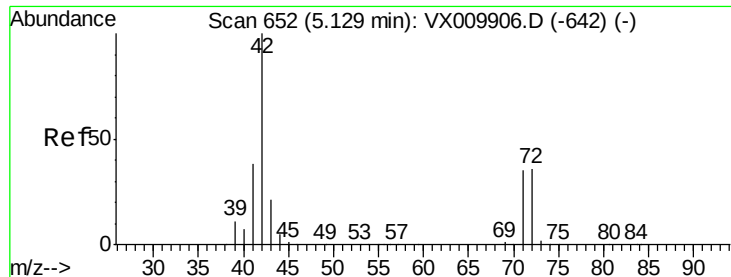


#28

Bromochloromethane
Concen: 39.203 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	85011		
129	1.8	0.0	3.4	
130	64.9	49.4	74.2	





#29

Tetrahydrofuran

Concen: 196.428 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

Instrument :

MSVOA_X

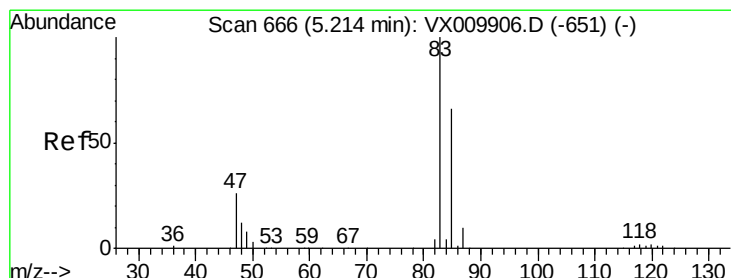
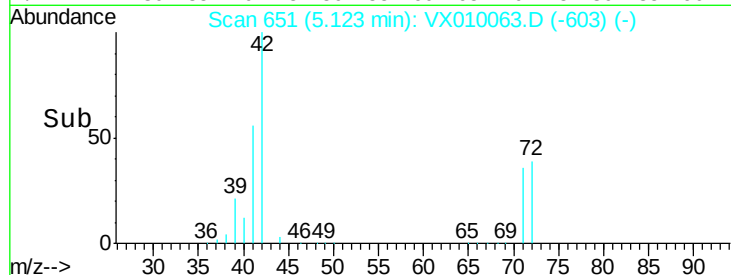
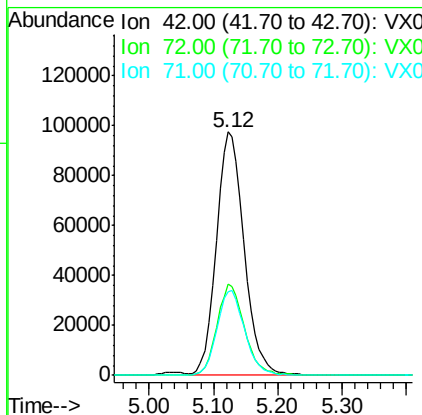
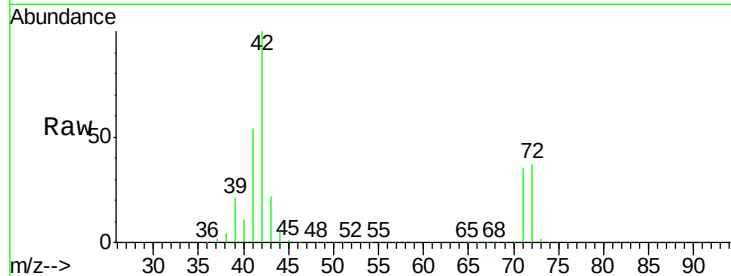
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	294896
Ion	Ratio	Lower	Upper
42	100		
72	37.3	29.2	43.8
71	34.9	27.6	41.4

Manual Integrations
APPROVED

MMDadoda
6/5/2019 9:26:56 AM



#30

Chloroform

Concen: 43.078 ug/l

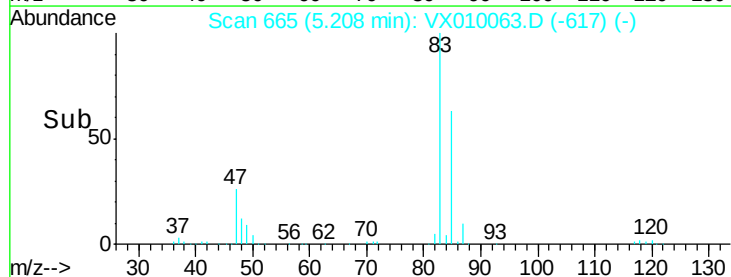
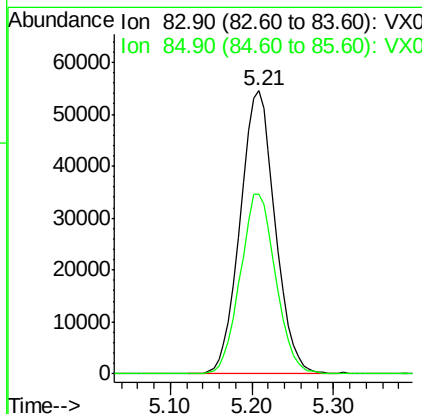
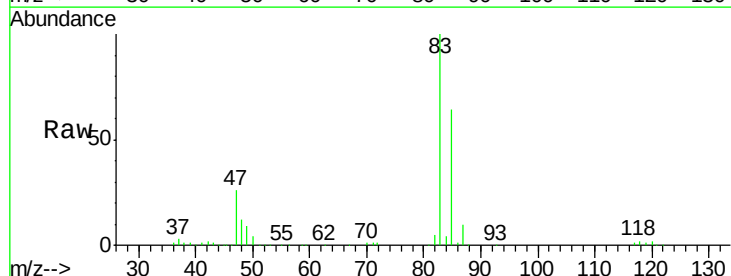
RT: 5.21 min Scan# 665

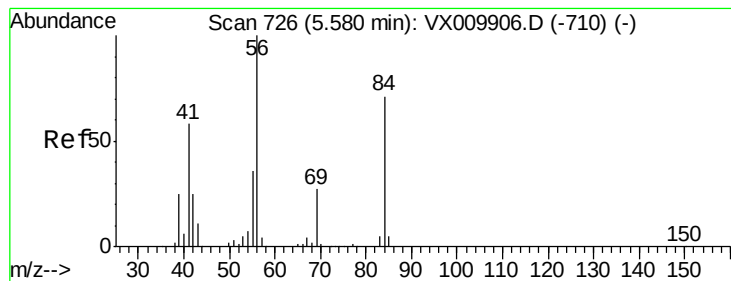
Delta R.T. -0.01 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

Tgt Ion:	83	Resp:	162348
Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.6	78.8





#31

Cyclohexane

Concen: 43.476 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

Instrument :

MSVOA_X

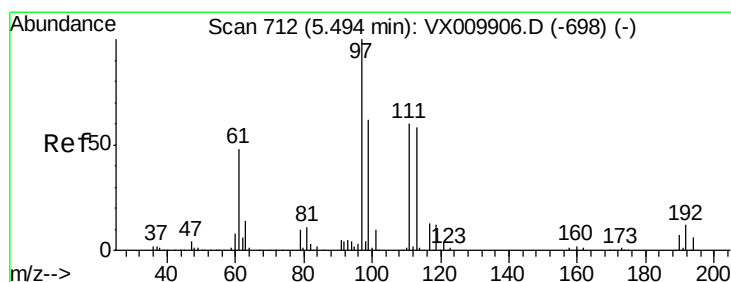
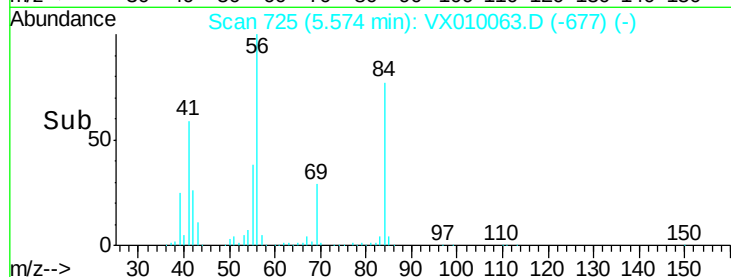
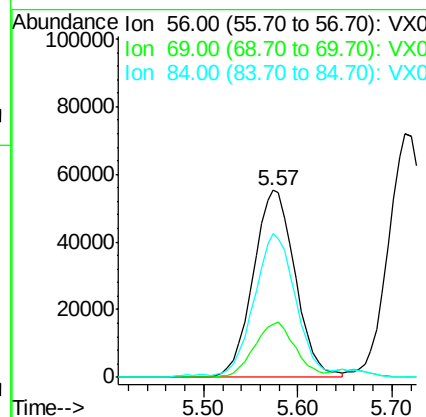
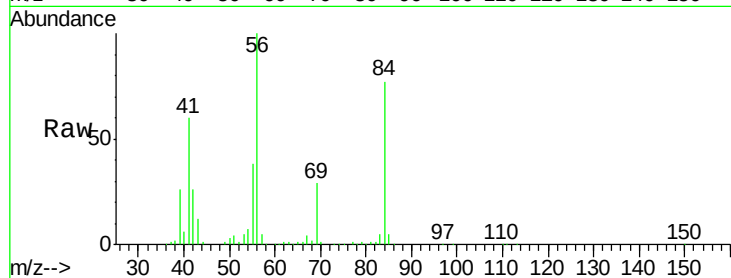
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	172071
Ion Ratio	Lower	Upper	
56	100		
69	28.5	21.6	32.4
84	75.5	56.8	85.2

Manual Integrations
APPROVED

MMDadoda
6/5/2019 9:26:56 AM



#32

1,1,1-Trichloroethane

Concen: 44.827 ug/l

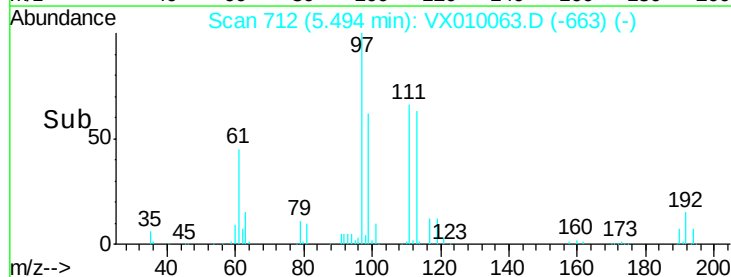
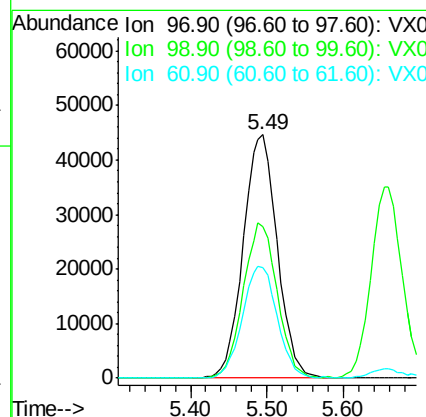
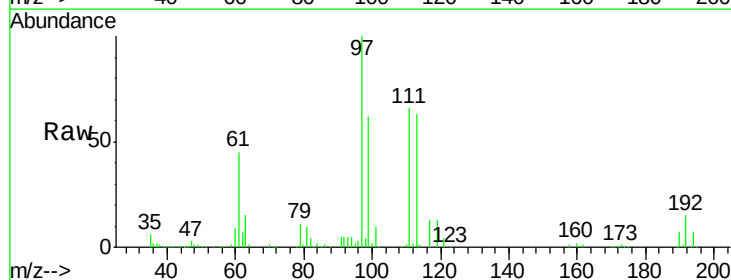
RT: 5.49 min Scan# 712

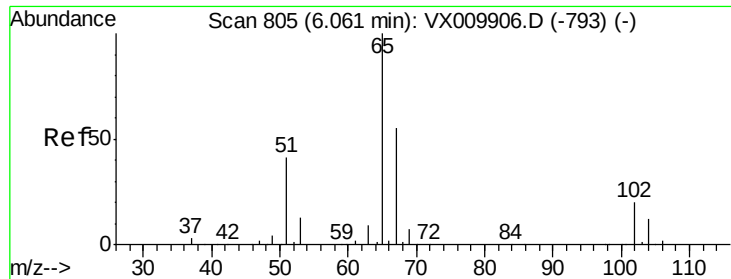
Delta R.T. -0.00 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

Tgt Ion:	97	Resp:	137583
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.0	76.4
61	47.4	38.7	58.1





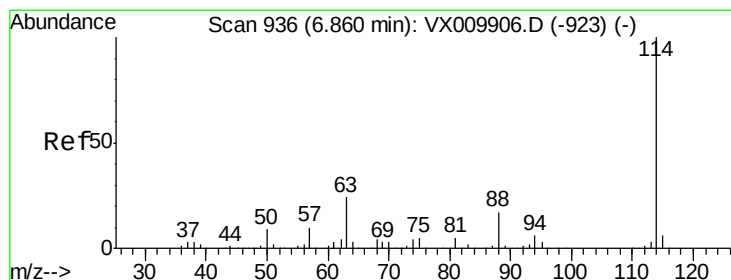
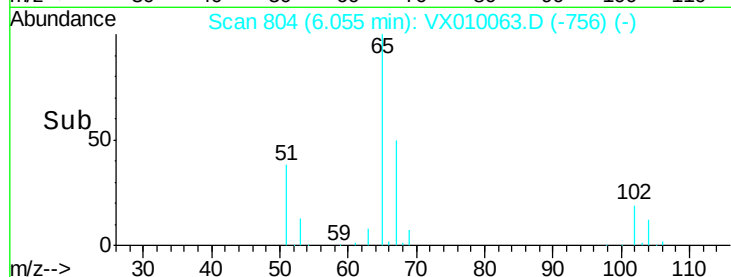
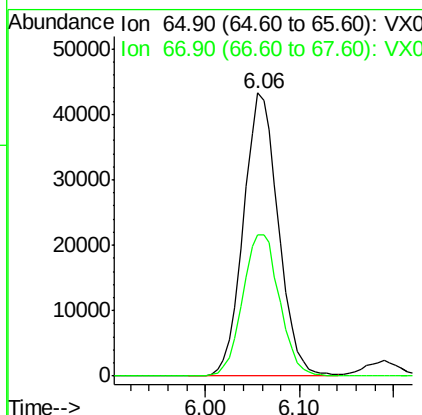
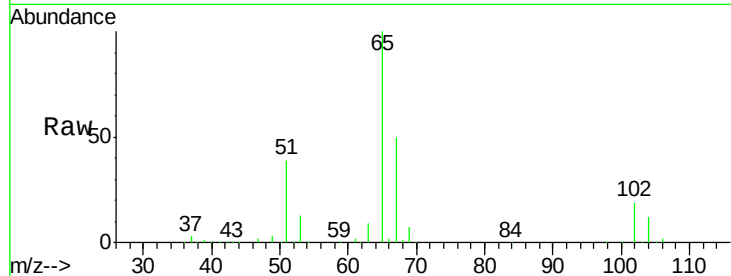
#33
 1,2-Dichloroethane-d4
 Concen: 43.162 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX010063.D
 Acq: 04 Jun 2019 17:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	112256		
67	53.1	0.0	108.4	

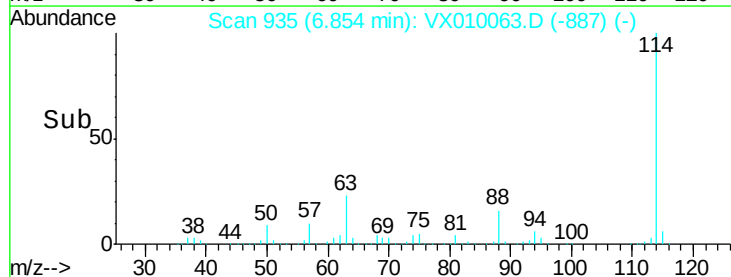
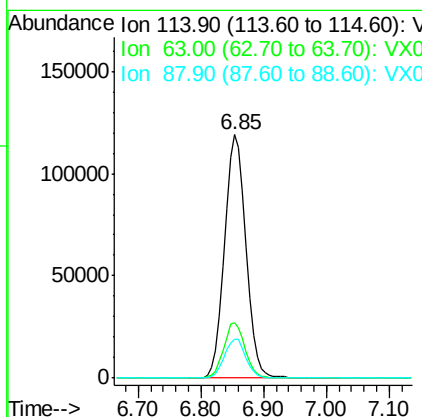
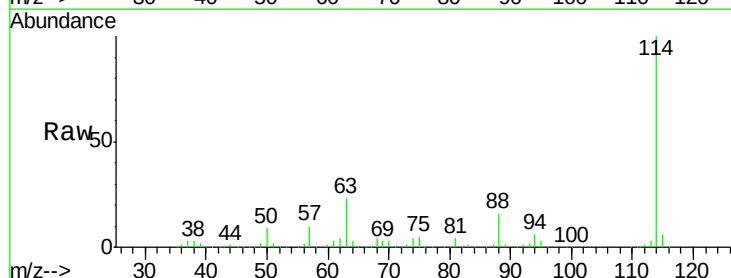
Manual Integrations
 APPROVED

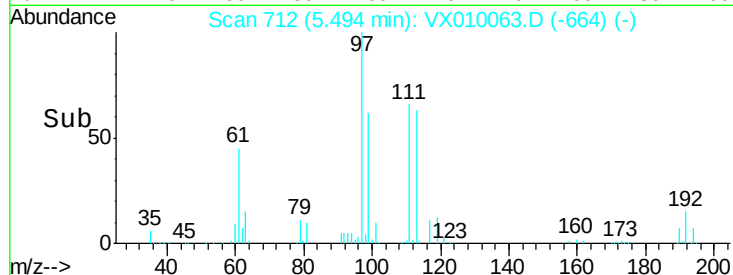
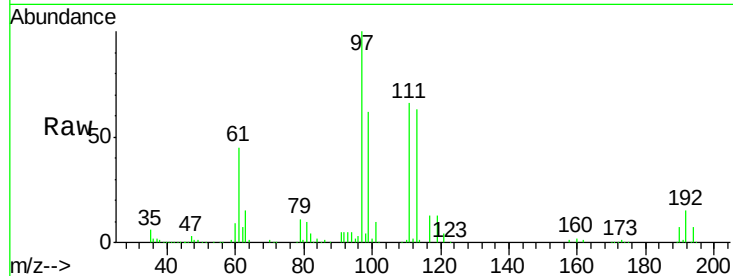
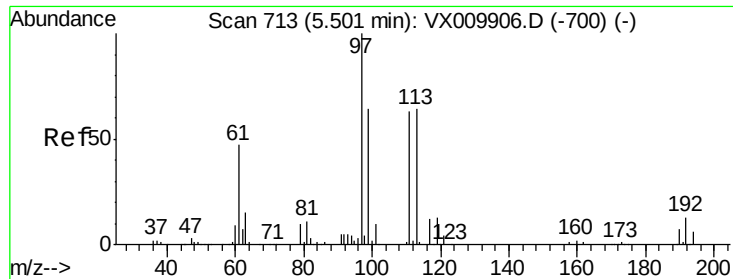
MMDadoda
 6/5/2019 9:26:56 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010063.D
 Acq: 04 Jun 2019 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	281953		
63	23.0	0.0	47.4	
88	16.0	0.0	33.0	





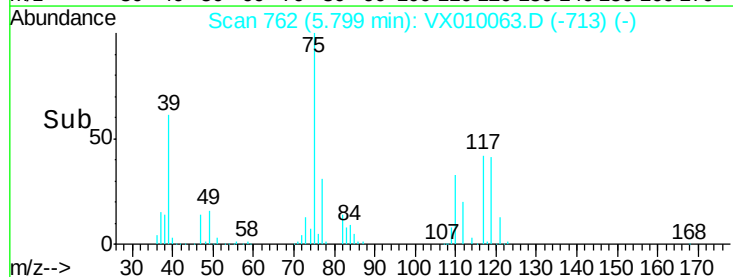
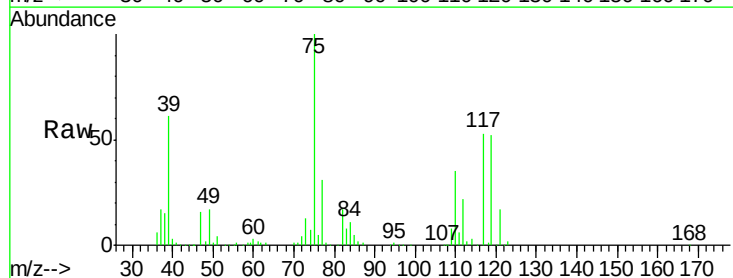
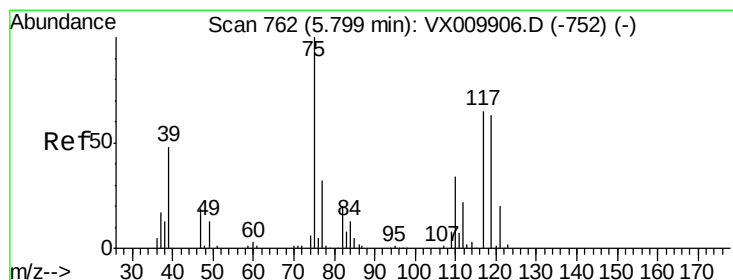
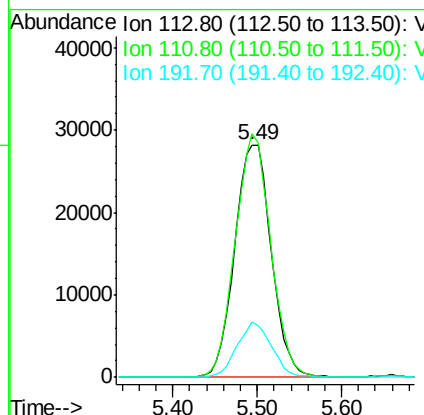
#35
Dibromofluoromethane
Concen: 46.735 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Tot Ion	Ratio	Resp	Lower	Upper
113	100	82844		
111	102.1	82.2	123.2	
192	22.2	17.1	25.7	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

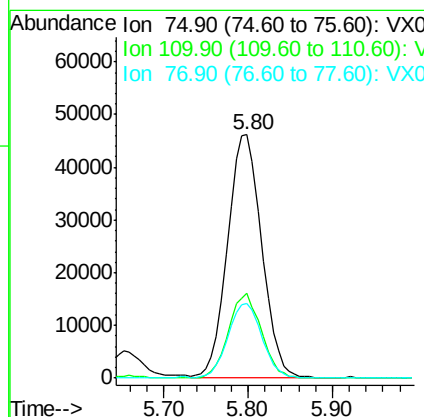
Manual Integrations
APPROVED

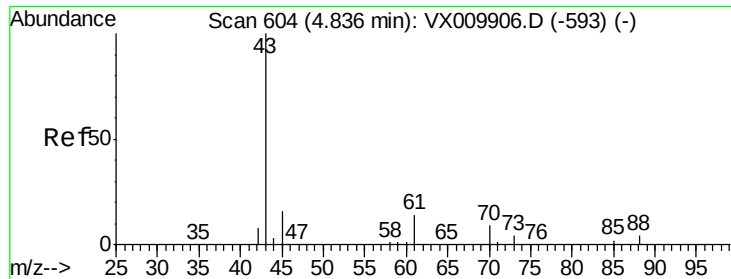
MMDadoda
6/5/2019 9:26:56 AM



#36
1,1-Dichloropropene
Concen: 44.344 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	126856		
110	33.8	16.7	50.1	
77	30.8	25.0	37.4	





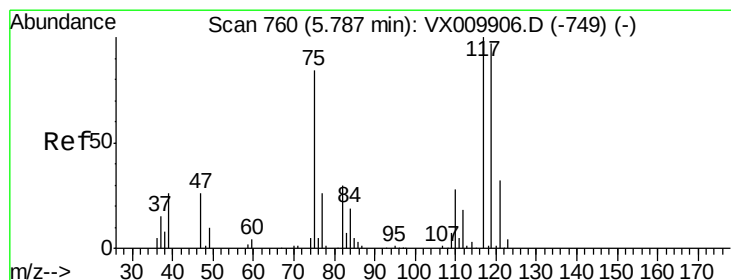
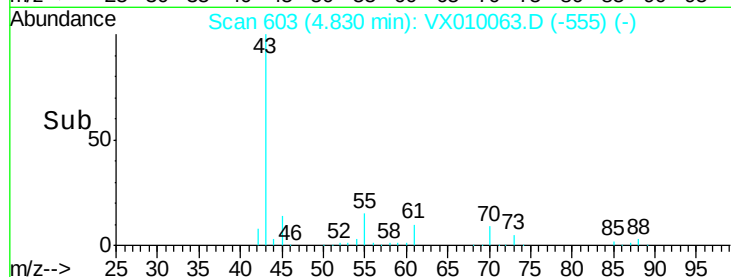
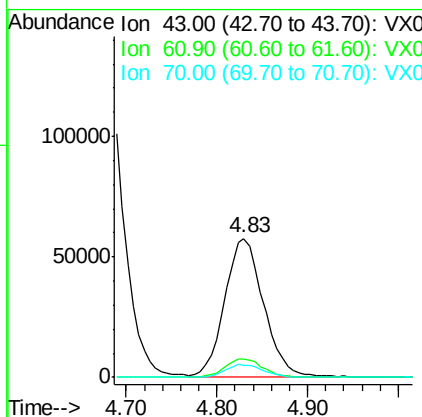
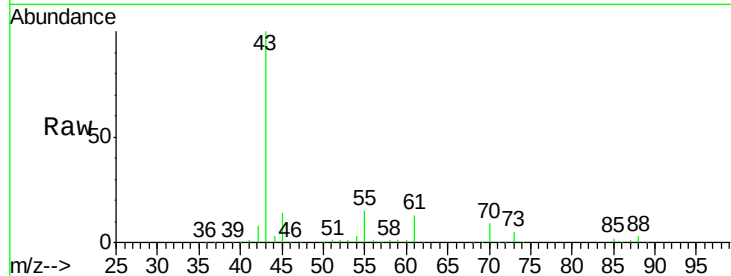
#37
Ethyl Acetate
Concen: 42.561 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.2	15.2
70	9.3	7.4	11.2

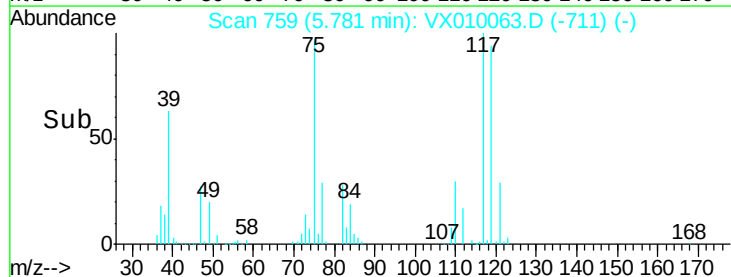
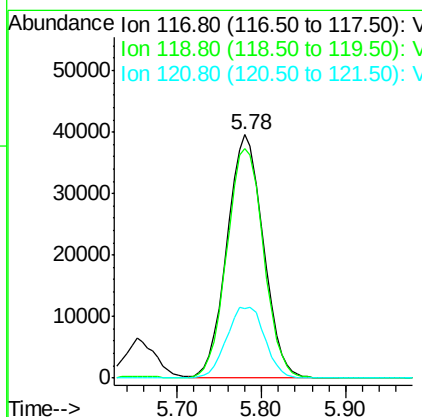
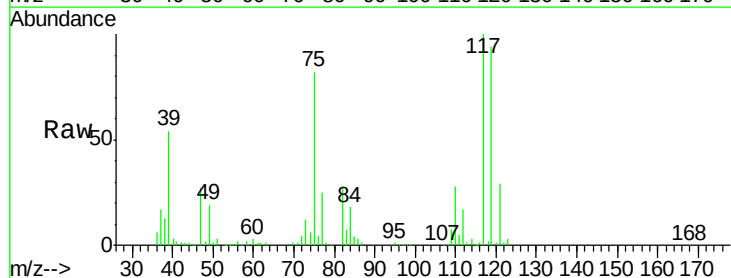
Manual Integrations
APPROVED

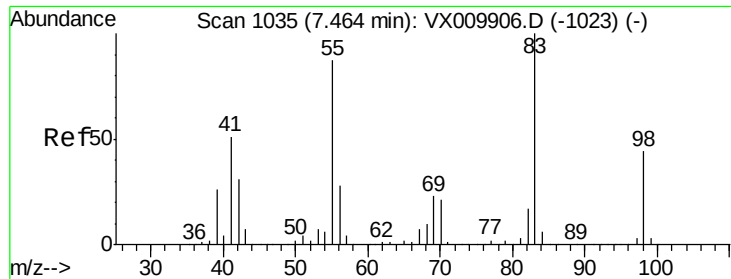
MMDadoda
6/5/2019 9:26:56 AM



#38
Carbon Tetrachloride
Concen: 46.875 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.3	115.9
121	28.8	25.4	38.0





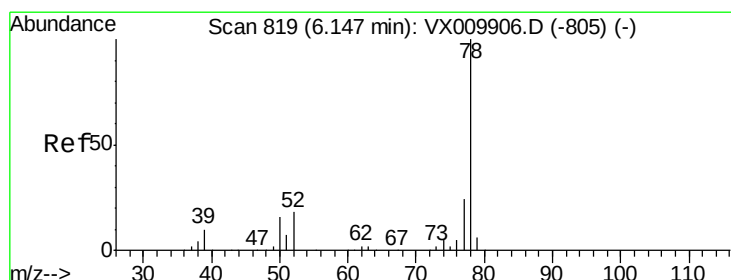
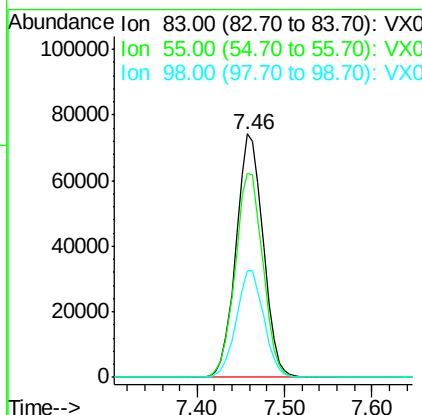
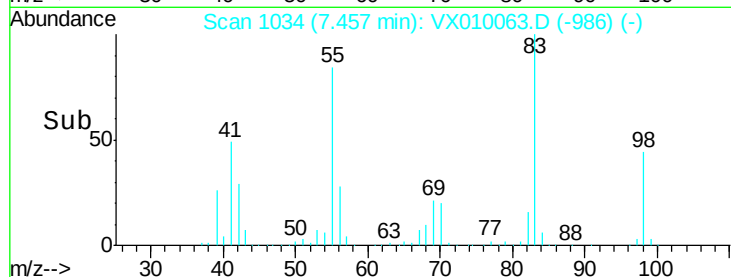
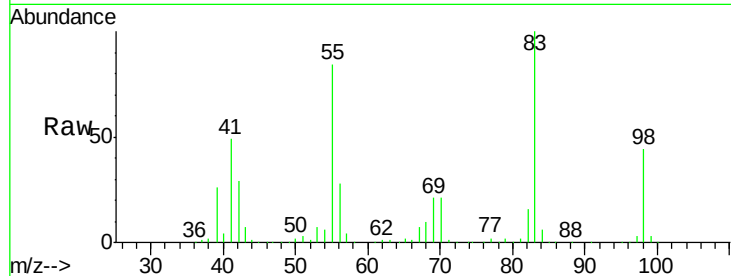
#39
Methylvlcyclohexane
Concen: 47.278 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.0	69.9	104.9
98	43.6	35.1	52.7

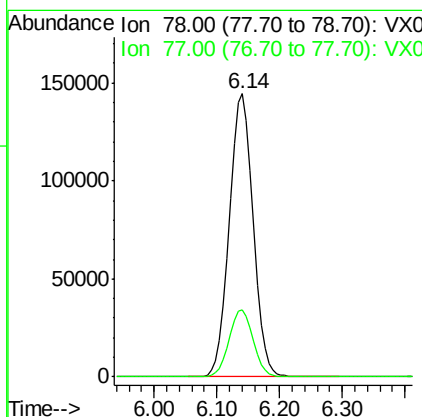
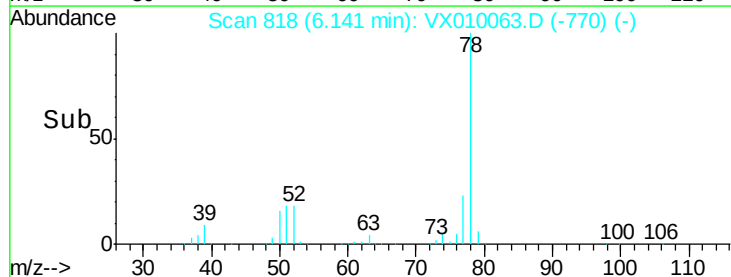
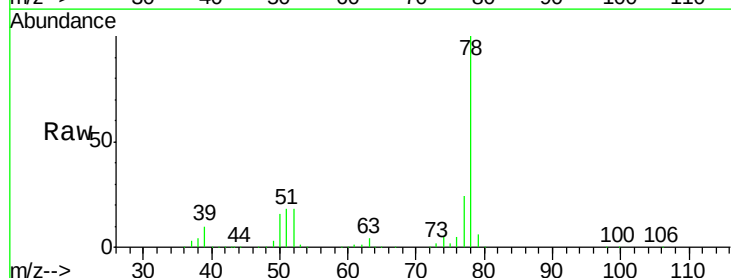
Manual Integrations
APPROVED

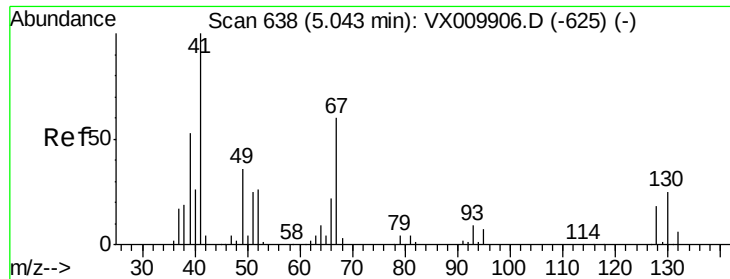
MMDadoda
6/5/2019 9:26:56 AM



#40
Benzene
Concen: 44.901 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8





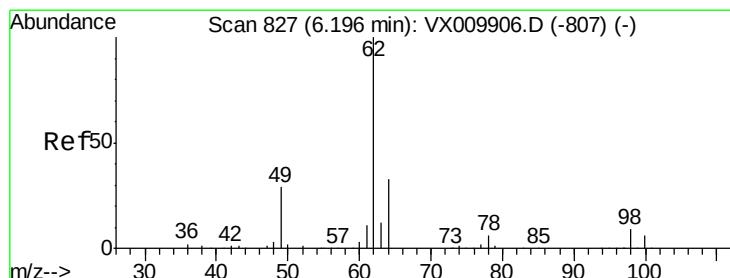
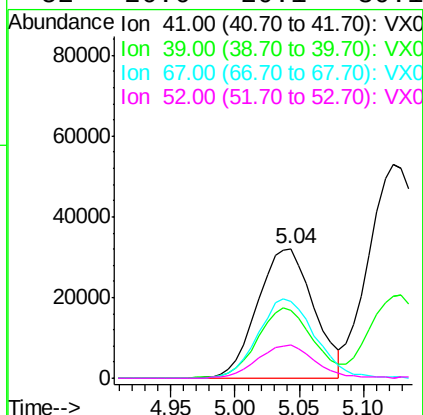
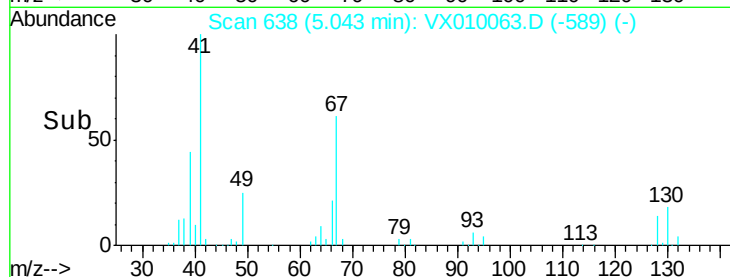
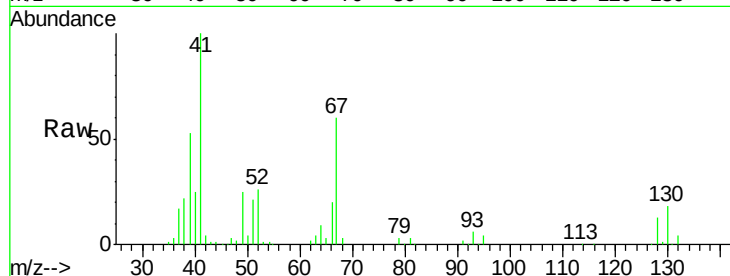
#41
Methacrylonitrile
Concen: 41.566 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.0	42.2	63.4	
67	62.7	48.9	73.3	
52	26.6	20.1	30.1	

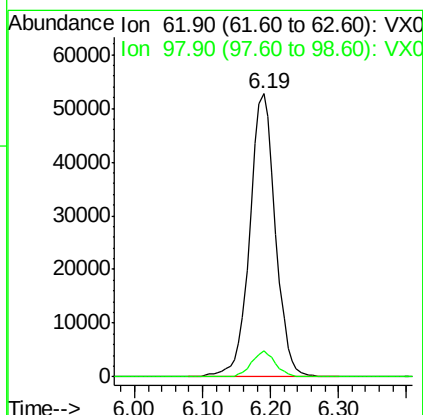
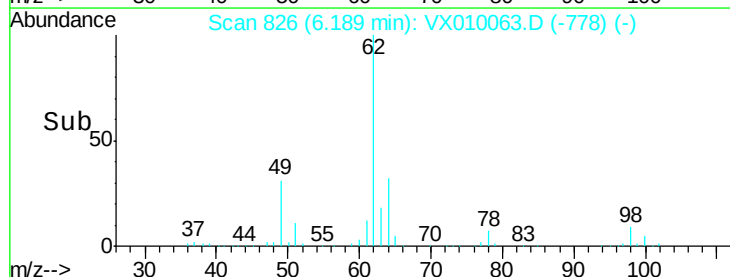
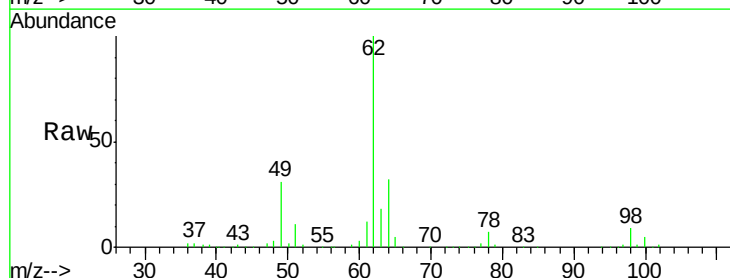
Manual Integrations
APPROVED

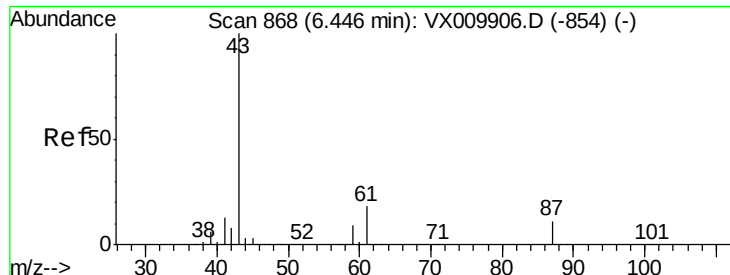
MMDadoda
6/5/2019 9:26:56 AM



#42
1,2-Dichloroethane
Concen: 44.313 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	17.2	





#43

Isopropyl Acetate

Concen: 43.531 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

Instrument :

MSVOA_X

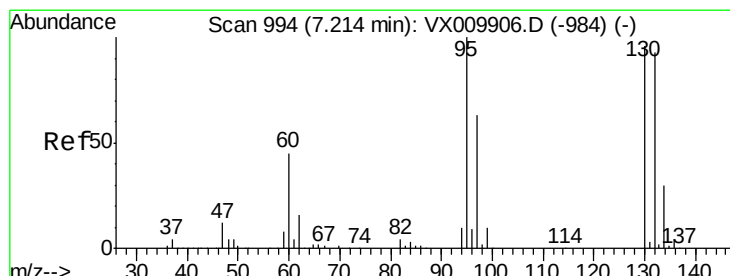
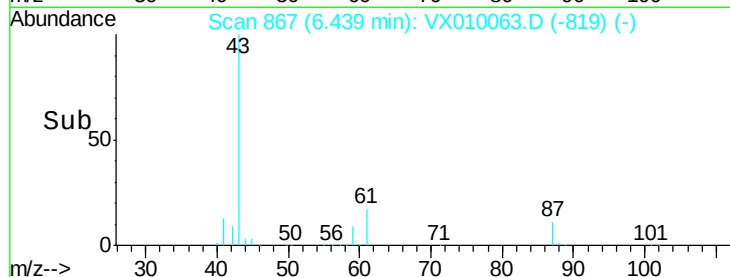
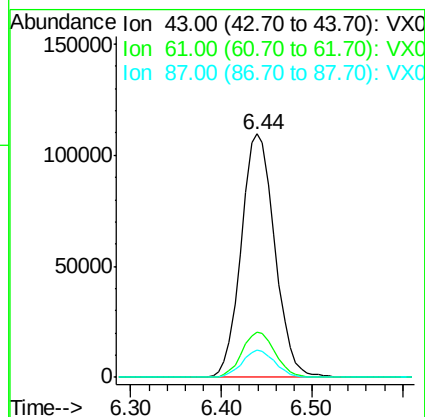
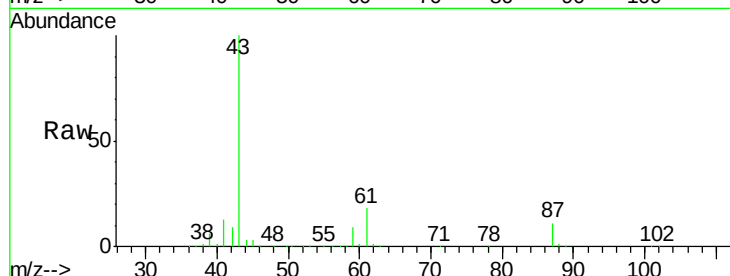
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	279980
Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.6	21.8
87	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/5/2019 9:26:56 AM



#44

Trichloroethene

Concen: 45.141 ug/l

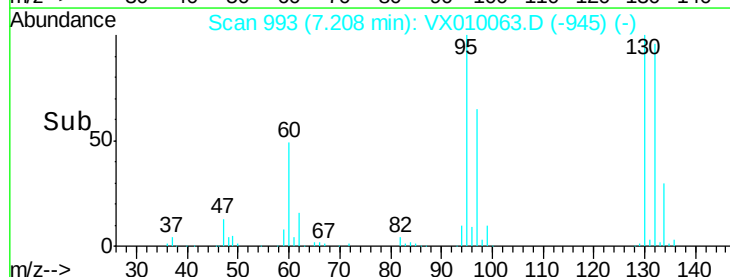
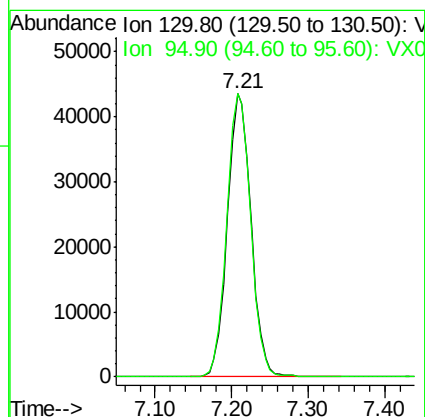
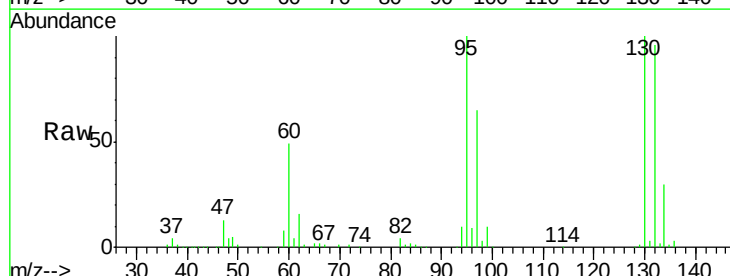
RT: 7.21 min Scan# 993

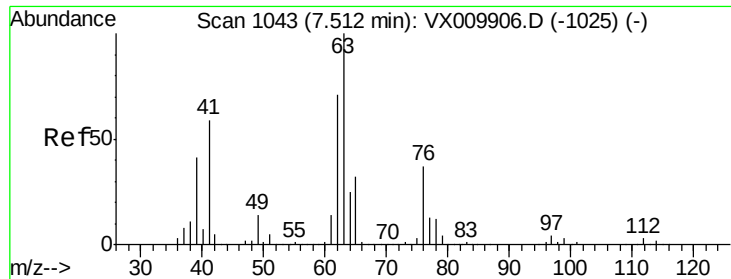
Delta R.T. -0.01 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

Tgt Ion:	130	Resp:	93051
Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	207.4





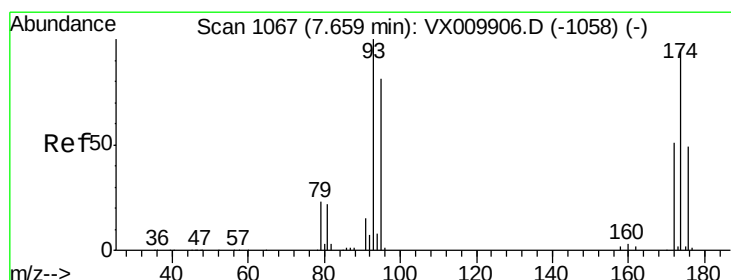
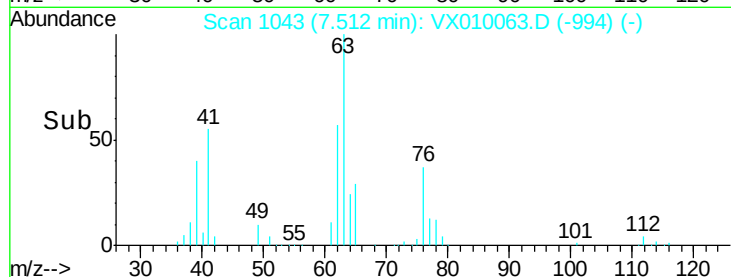
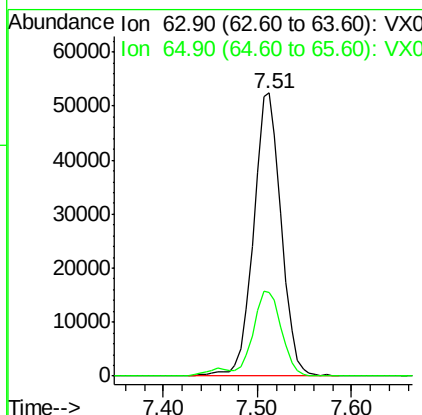
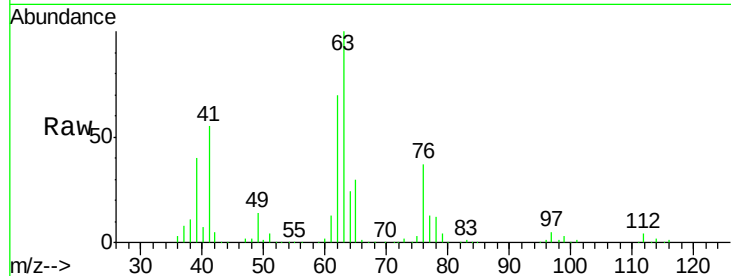
#45
 1,2-Dichloropropane
 Concen: 44.141 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010063.D
 Acq: 04 Jun 2019 17:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 107831
 Ion Ratio Lower Upper
 63 100
 65 29.6 25.7 38.5

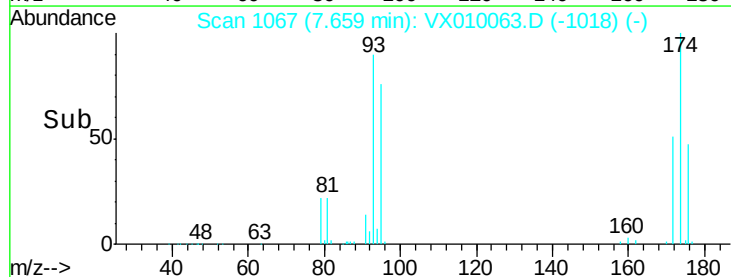
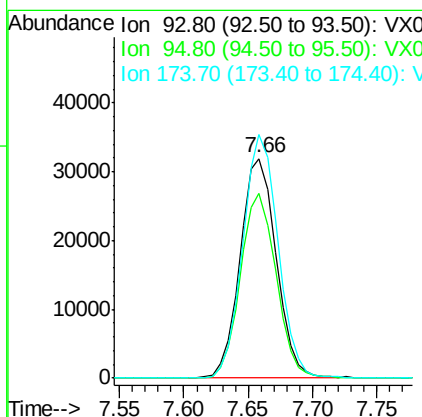
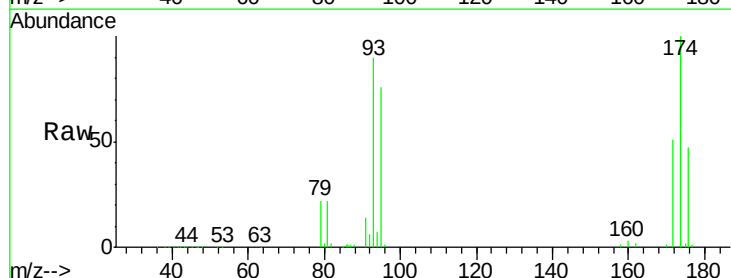
Manual Integrations
 APPROVED

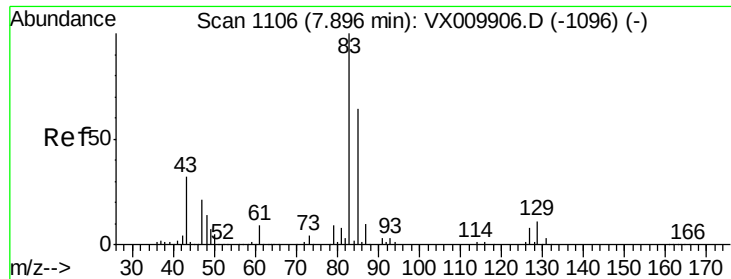
MMDadoda
 6/5/2019 9:26:56 AM



#46
 Dibromomethane
 Concen: 43.035 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX010063.D
 Acq: 04 Jun 2019 17:51

Tgt Ion: 93 Resp: 61882
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.8 100.2
 174 108.4 81.9 122.9





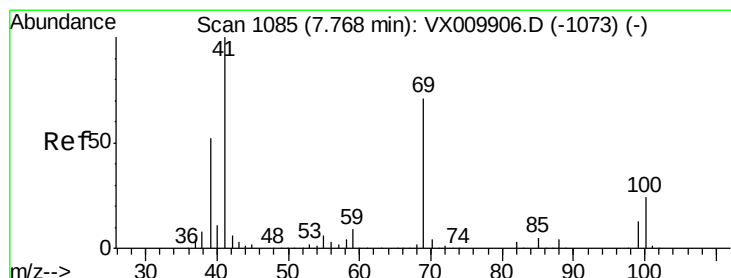
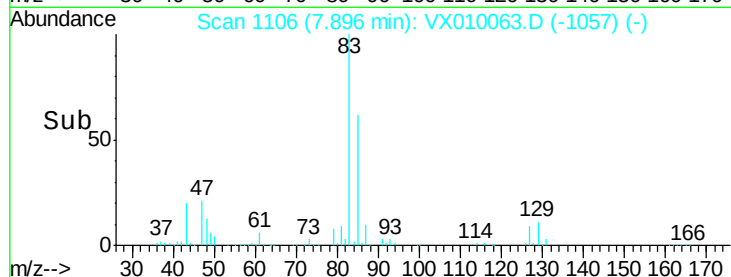
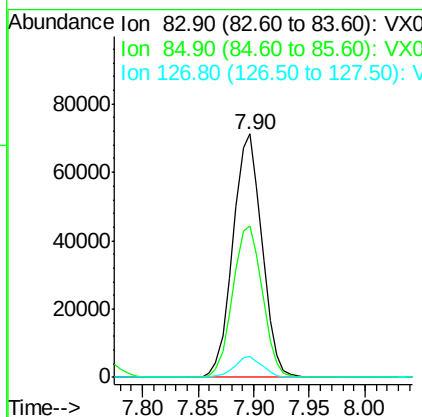
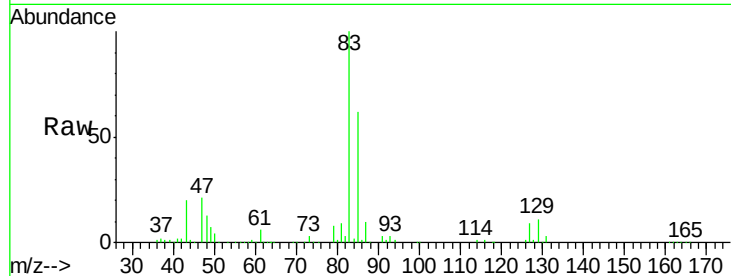
#47
Bromodichloromethane
Concen: 47.075 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	128724
Ion Ratio	100		
83	100		
85	62.0	51.4	77.2
127	8.6	6.4	9.6

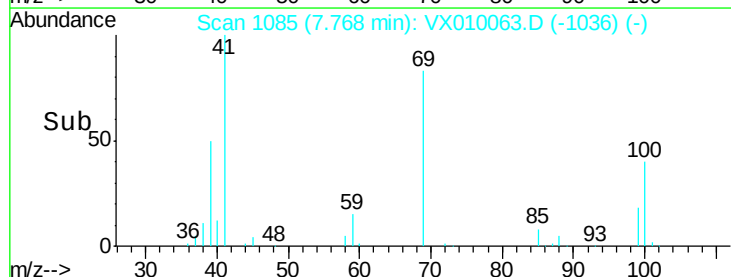
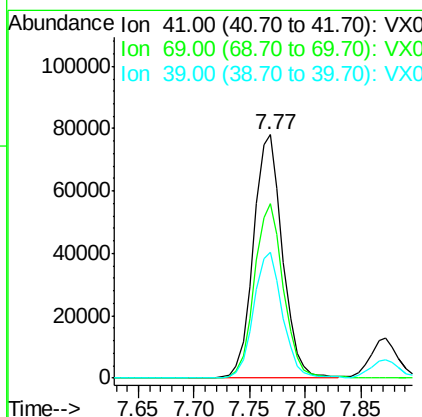
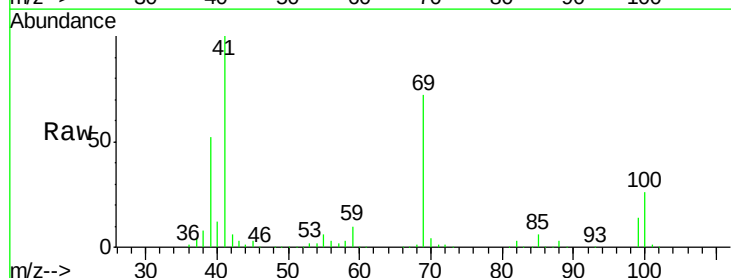
Manual Integrations
APPROVED

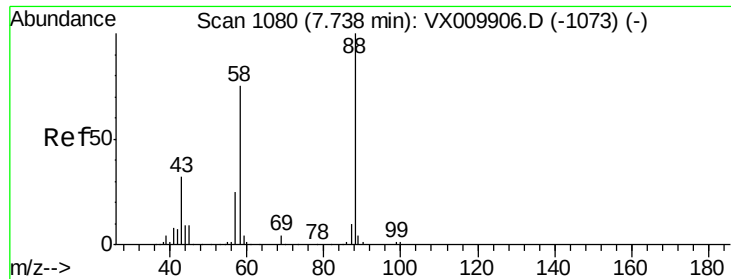
MMDadoda
6/5/2019 9:26:56 AM



#48
Methyl methacrylate
Concen: 44.498 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Tgt Ion	41	Resp	141678
Ion Ratio	100		
41	100		
69	72.0	56.4	84.6
39	51.2	40.6	60.8





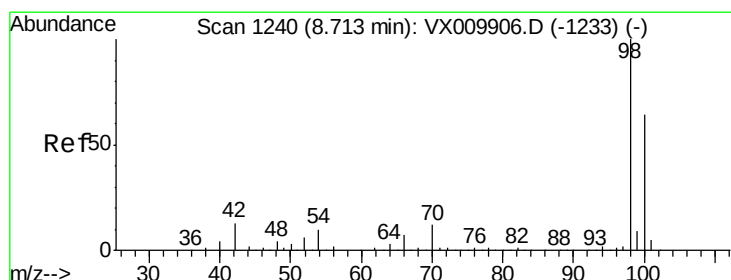
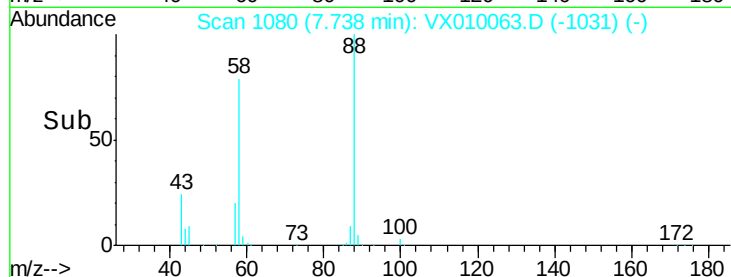
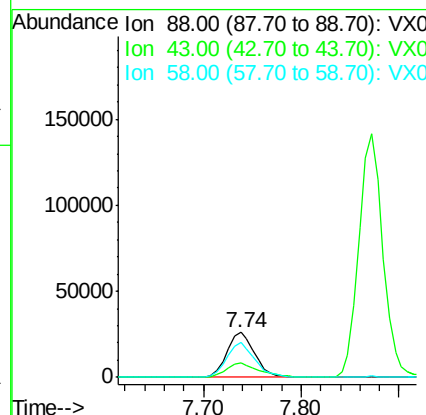
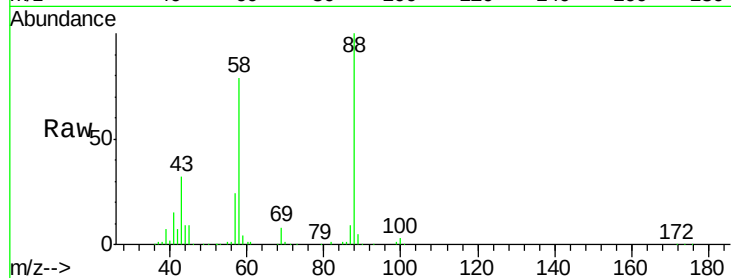
#49
1,4-Dioxane
Concen: 874.814 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	30.2	45.4
58	78.7	64.0	96.0

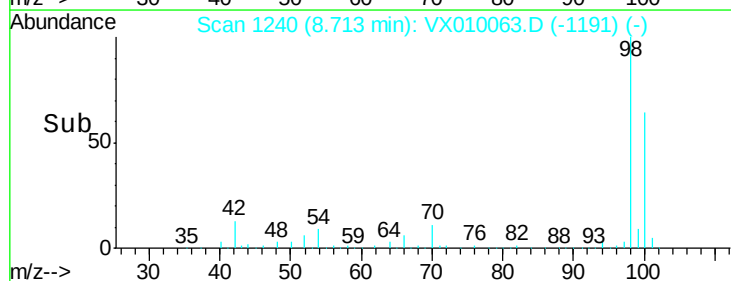
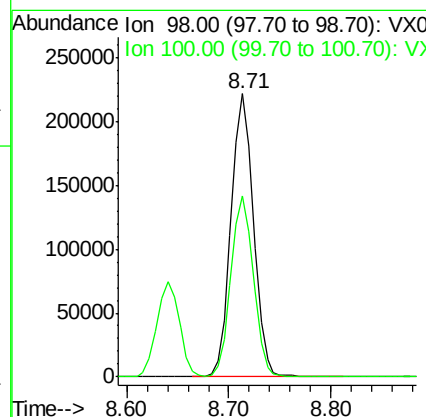
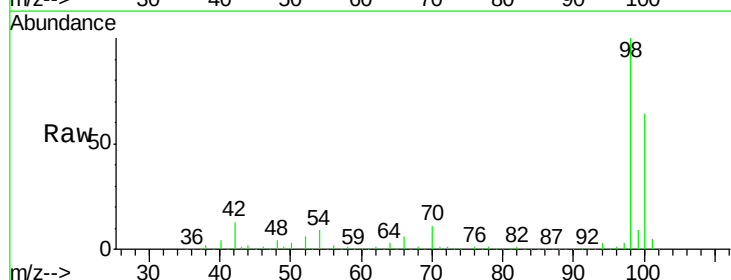
Manual Integrations
APPROVED

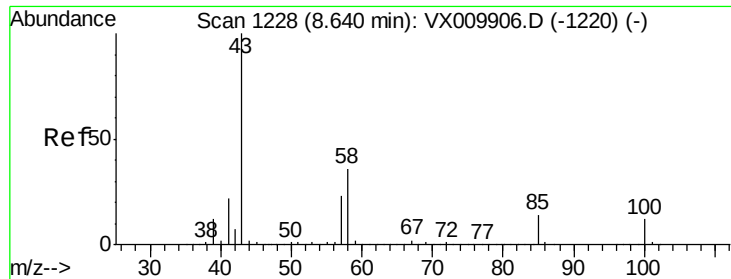
MMDadoda
6/5/2019 9:26:56 AM



#50
Toluene-d8
Concen: 46.853 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 220.507 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 922583

Ion Ratio Lower Upper

43 100

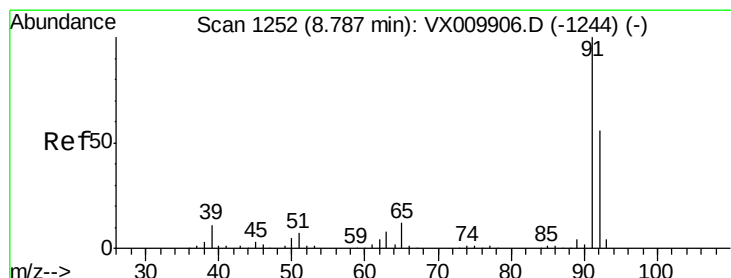
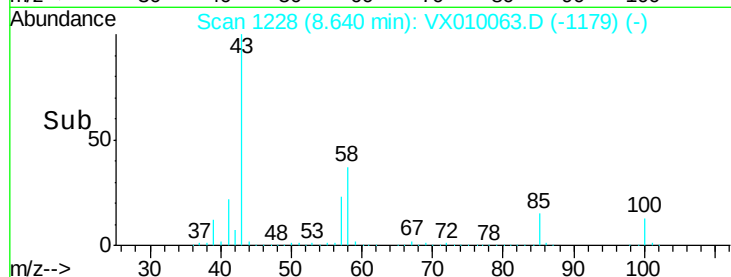
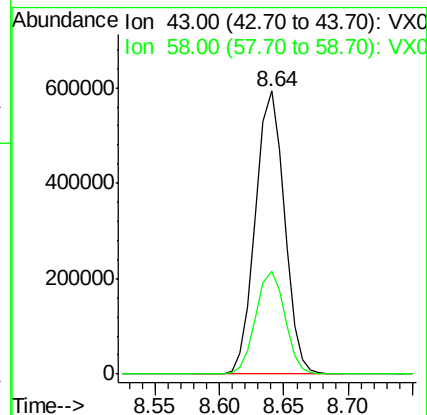
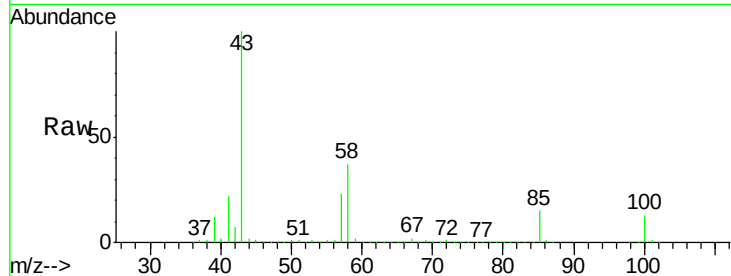
58 36.6 28.8 43.2

Manual Integrations

APPROVED

MMDadoda

6/5/2019 9:26:56 AM



#52

Toluene

Concen: 45.770 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010063.D

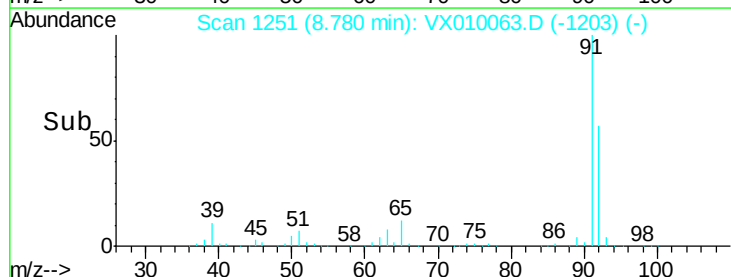
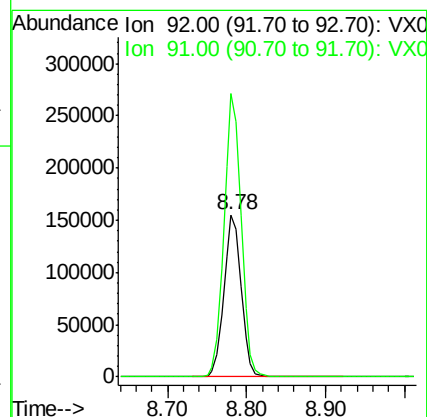
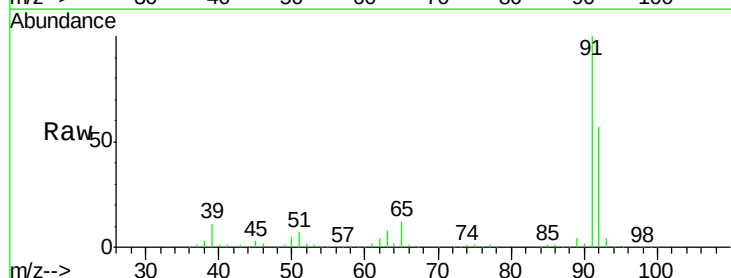
Acq: 04 Jun 2019 17:51

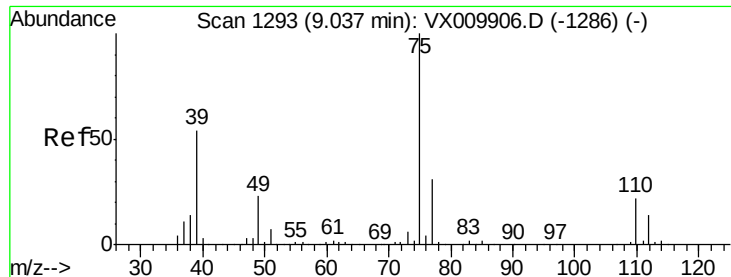
Tgt Ion: 92 Resp: 235830

Ion Ratio Lower Upper

92 100

91 174.3 139.9 209.9





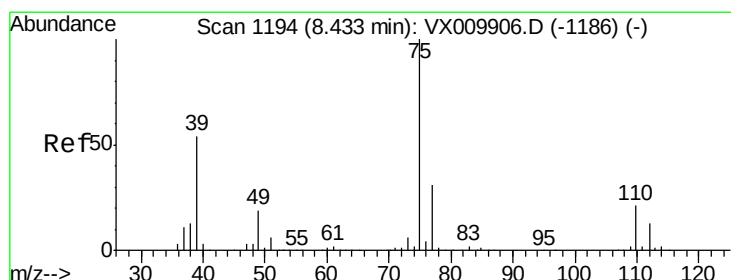
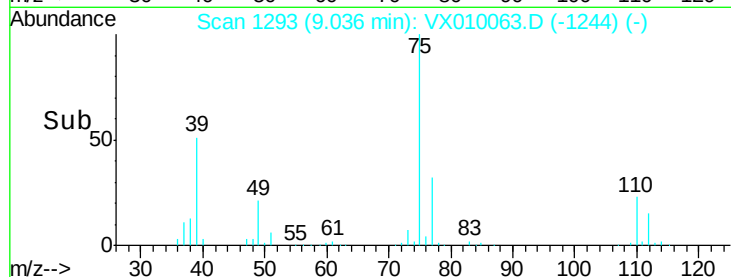
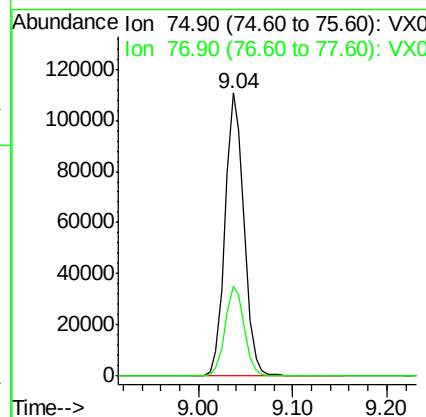
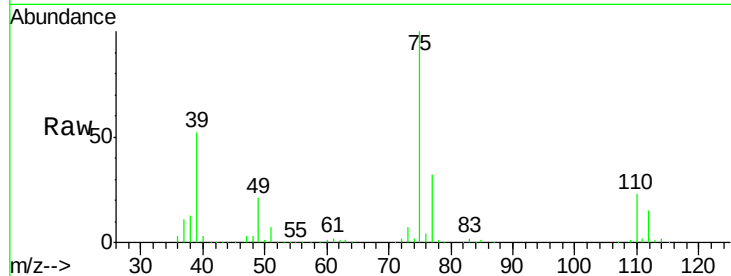
#53
 t-1,3-Dichloropropene
 Concen: 46.946 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. -0.00 min
 Lab File: VX010063.D
 Acq: 04 Jun 2019 17:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	75	Resp	153954
Ion Ratio	Lower	Upper	
75	100		
77	32.1	24.6	36.8

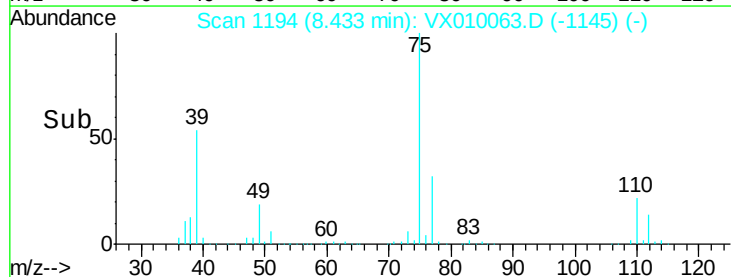
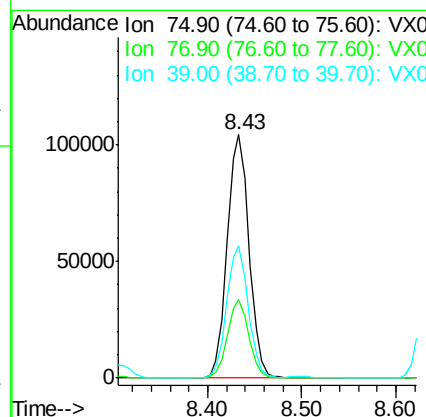
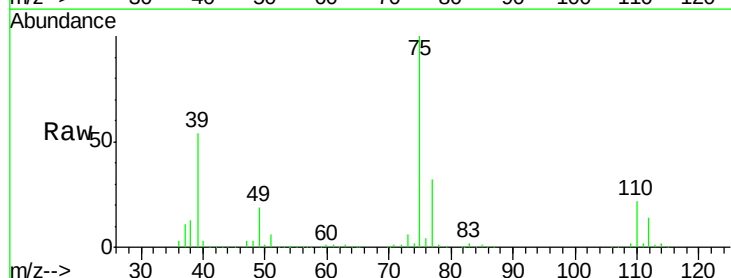
Manual Integrations
 APPROVED

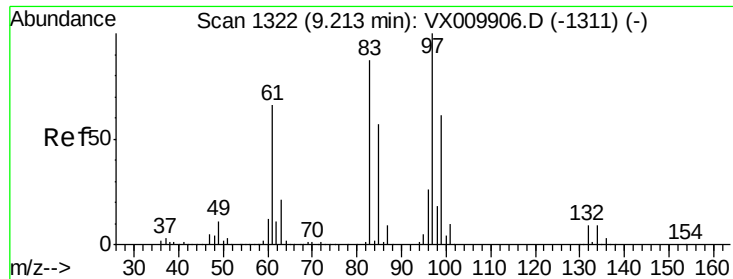
MMDadoda
 6/5/2019 9:26:56 AM



#54
 cis-1,3-Dichloropropene
 Concen: 46.896 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX010063.D
 Acq: 04 Jun 2019 17:51

Tgt Ion	75	Resp	167564
Ion Ratio	Lower	Upper	
75	100		
77	32.0	24.8	37.2
39	54.1	43.4	65.0





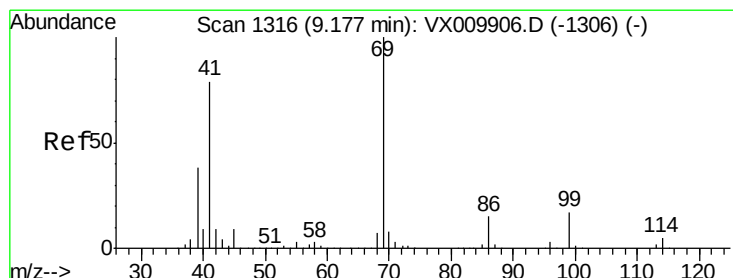
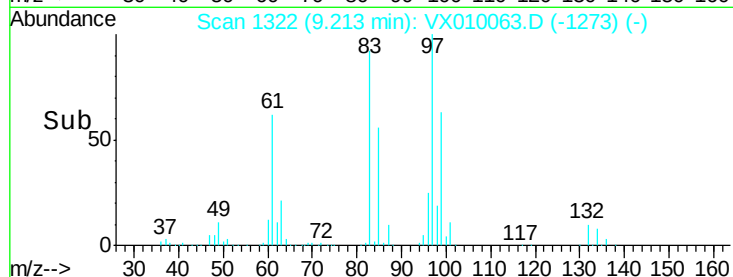
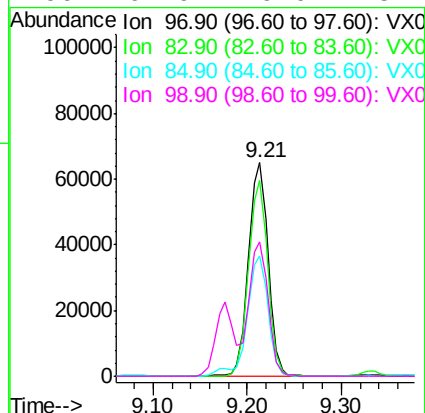
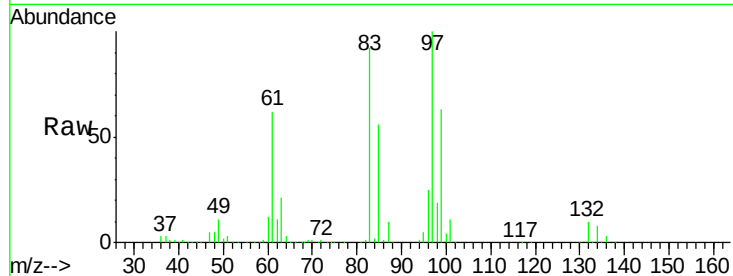
#55
 1,1,2-Trichloroethane
 Concen: 46.000 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010063.D
 Acq: 04 Jun 2019 17:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	95397
Ion	Ratio	Lower	Upper
97	100		
83	91.6	69.8	104.8
85	56.2	45.3	67.9
99	62.9	49.0	73.4

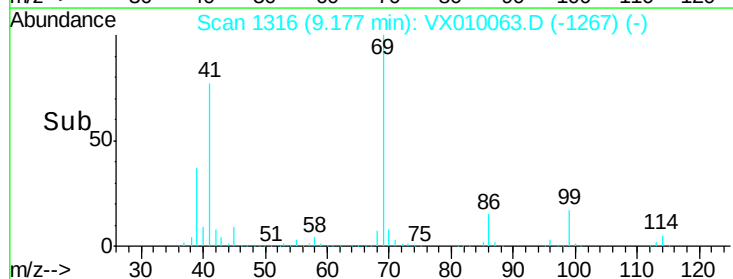
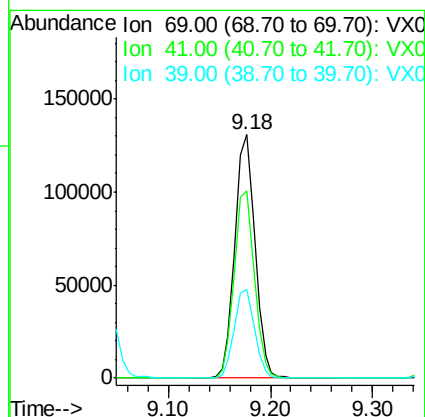
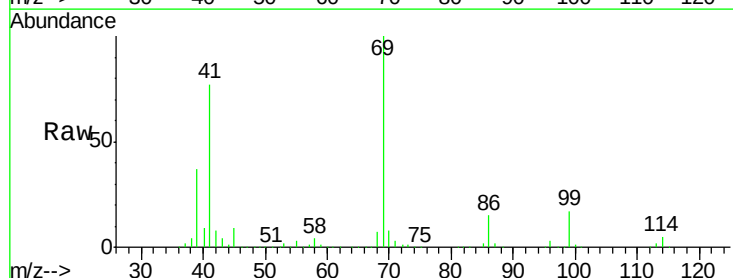
Manual Integrations
 APPROVED

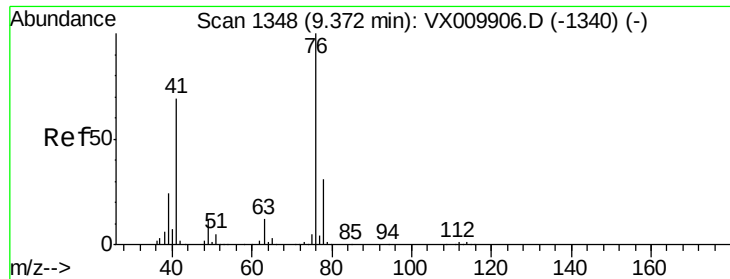
MMDadoda
 6/5/2019 9:26:56 AM



#56
 Ethyl methacrylate
 Concen: 48.389 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010063.D
 Acq: 04 Jun 2019 17:51

Tgt Ion:	69	Resp:	178657
Ion	Ratio	Lower	Upper
69	100		
41	77.0	62.7	94.1
39	36.6	29.5	44.3





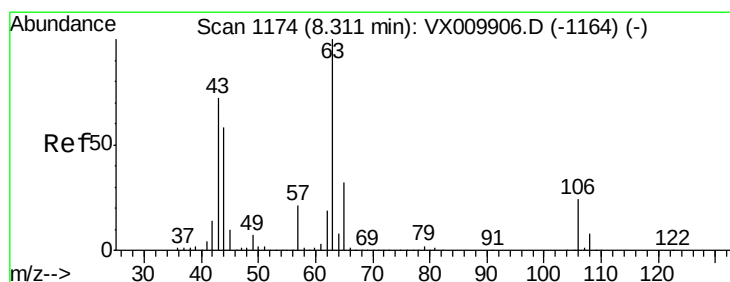
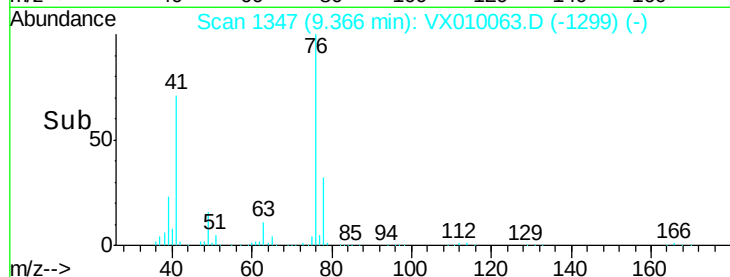
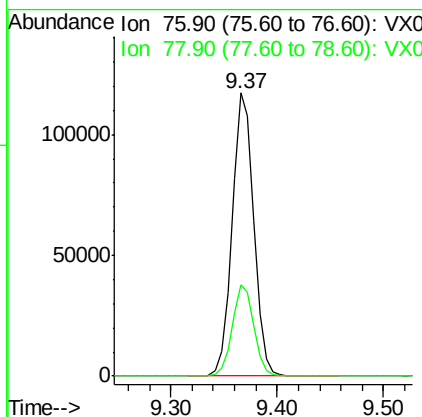
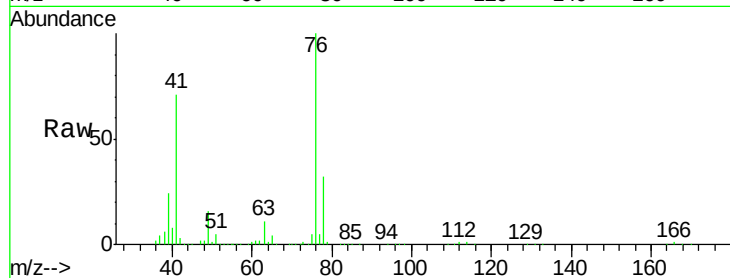
#57
 1,3-Dichloropropane
 Concen: 44.809 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX010063.D
 Acq: 04 Jun 2019 17:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.4	38.0

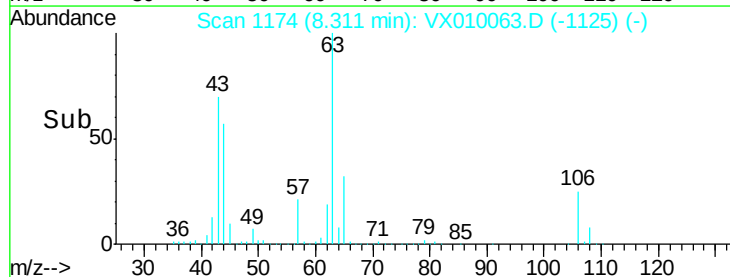
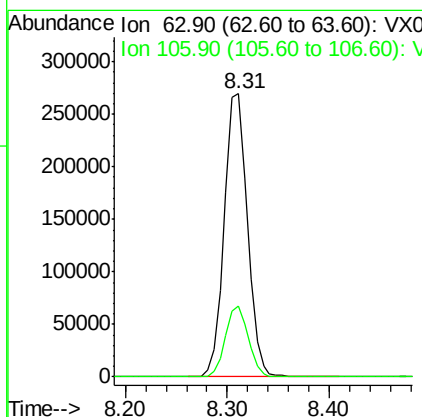
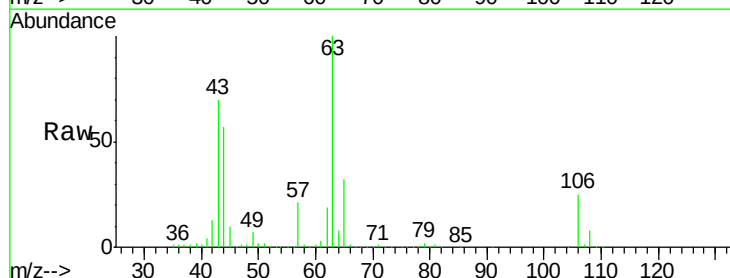
Manual Integrations
 APPROVED

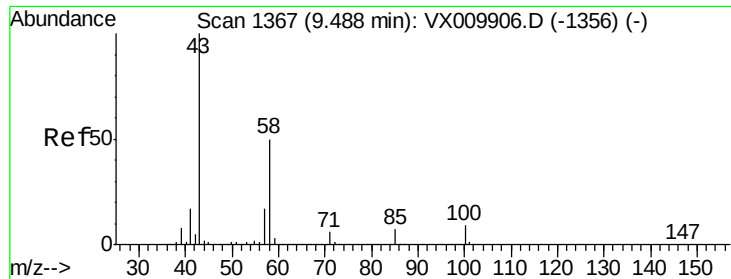
MMDadoda
 6/5/2019 9:26:56 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 220.228 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX010063.D
 Acq: 04 Jun 2019 17:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.8	19.4	29.2





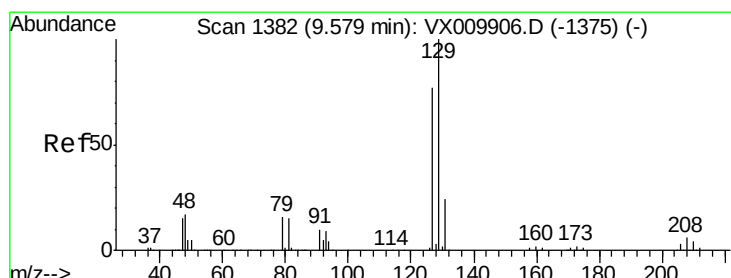
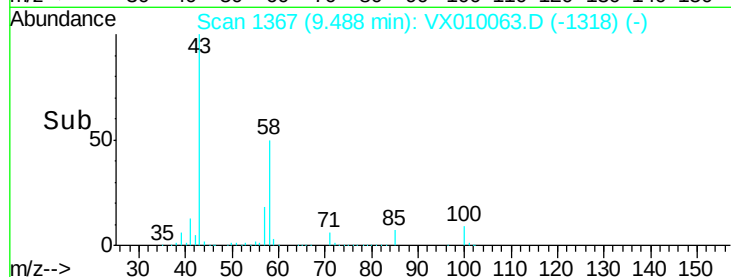
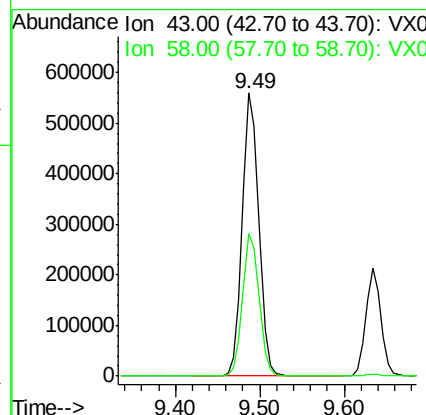
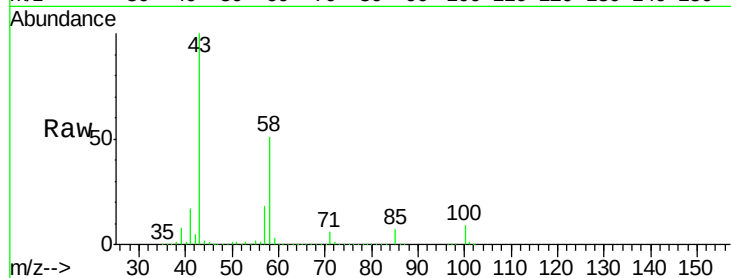
#59
2-Hexanone
Concen: 228.296 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 735389
Ion Ratio Lower Upper
43 100
58 50.5 25.1 75.3

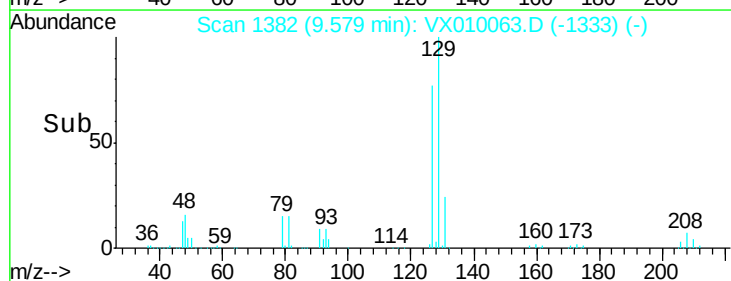
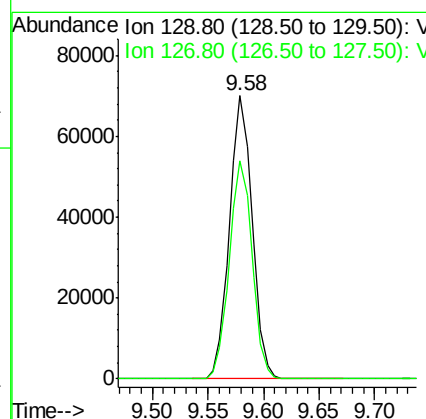
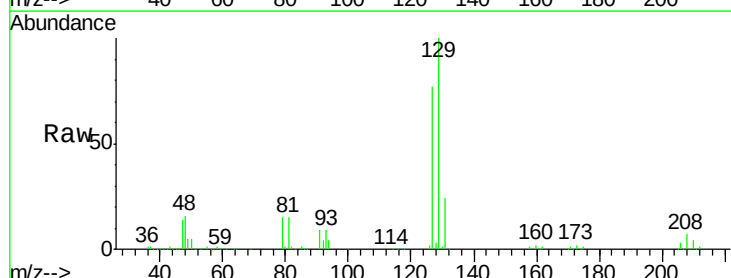
Manual Integrations
APPROVED

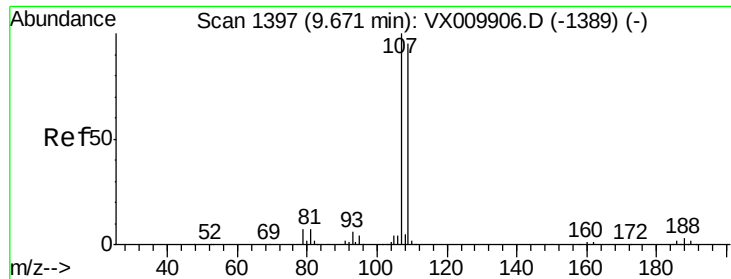
MMDadoda
6/5/2019 9:26:56 AM



#60
Dibromochloromethane
Concen: 48.787 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Tgt Ion:129 Resp: 99526
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 45.976 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 97955

Ion Ratio Lower Upper

107 100

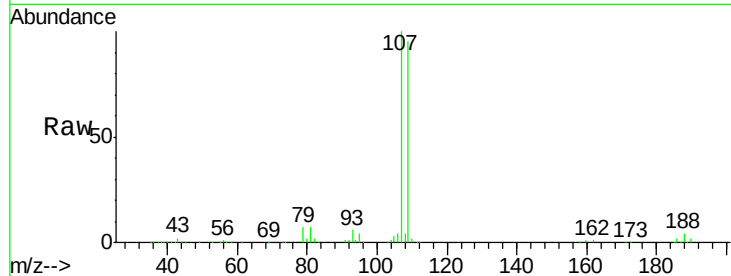
109 94.5 75.4 113.2

Manual Integrations

APPROVED

MMDadoda

6/5/2019 9:26:56 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

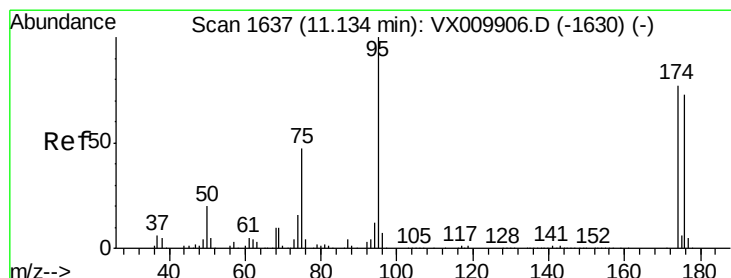
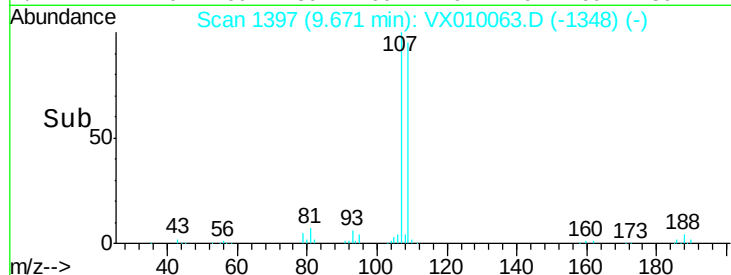
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.246 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

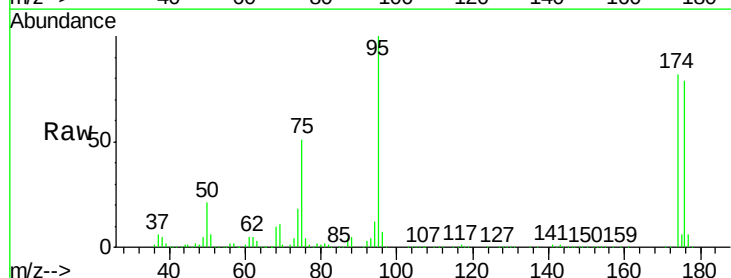
Tgt Ion: 95 Resp: 127326

Ion Ratio Lower Upper

95 100

174 84.2 0.0 160.4

176 81.8 0.0 154.6



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

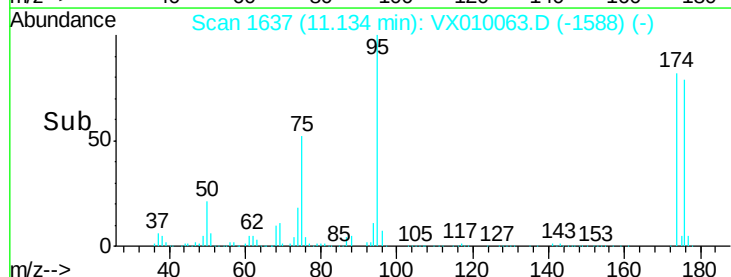
11.13

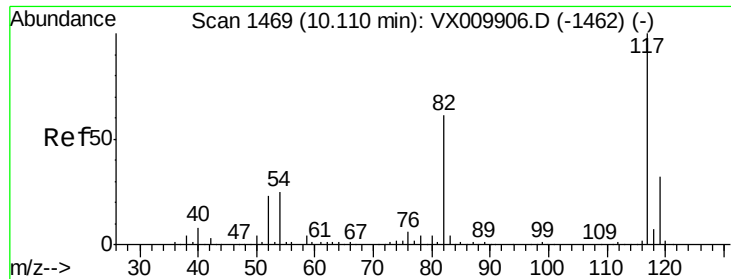
100000

50000

0

Time-->





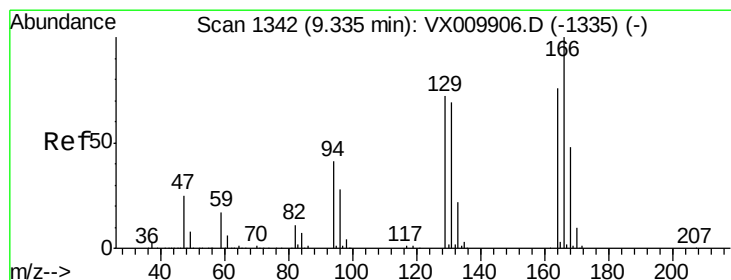
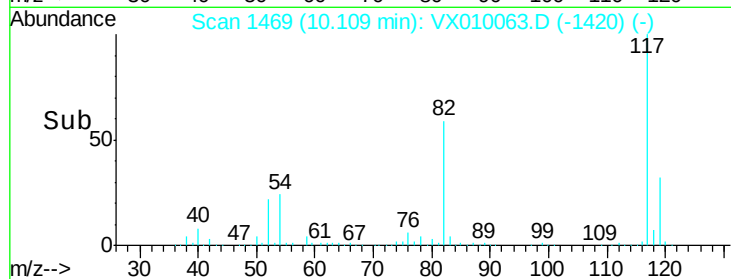
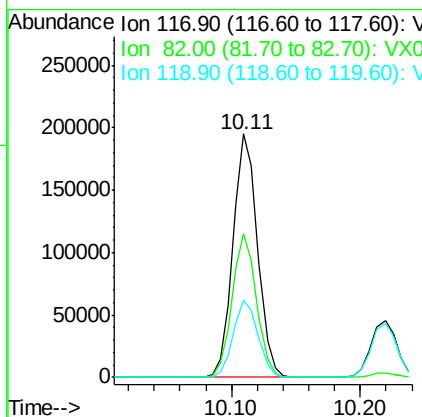
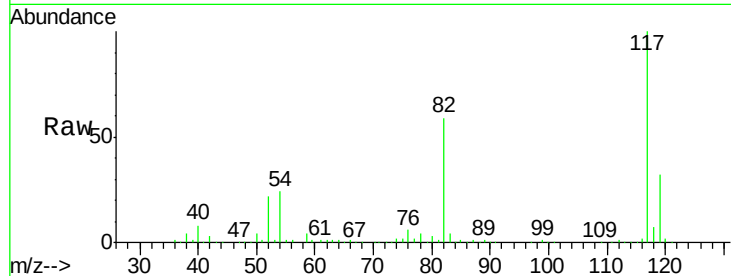
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	49.2	73.8
119	32.0	25.2	37.8

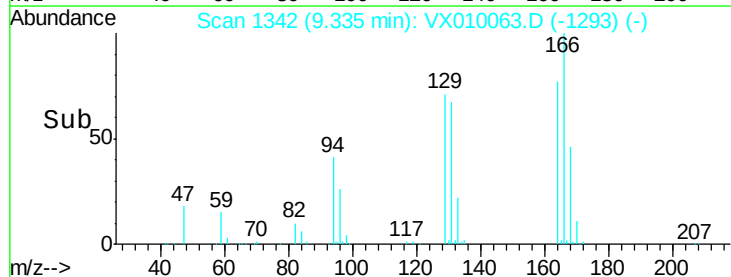
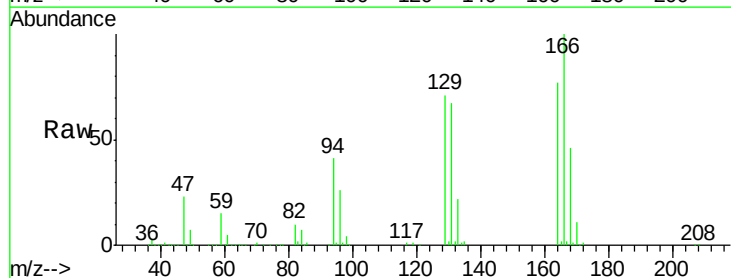
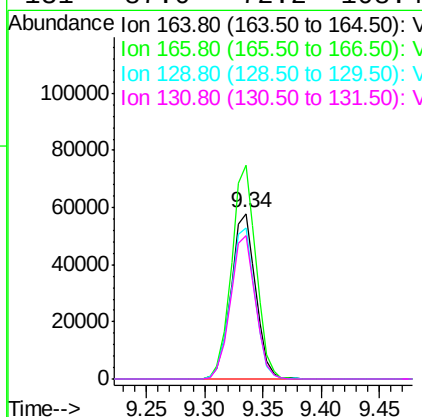
Manual Integrations
APPROVED

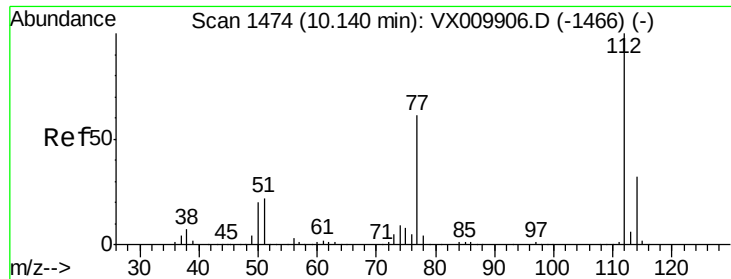
MMDadoda
6/5/2019 9:26:56 AM



#64
Tetrachloroethene
Concen: 47.020 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	105.0	157.4
129	91.1	75.1	112.7
131	87.0	72.2	108.4





#65

Chlorobenzene

Concen: 45.781 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 248792

Ion Ratio Lower Upper

112 100

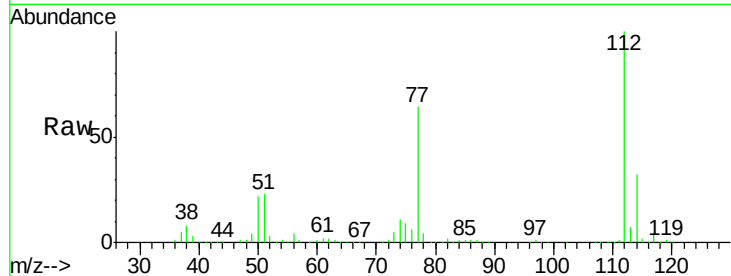
114 31.6 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

6/5/2019 9:26:56 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.13

200000

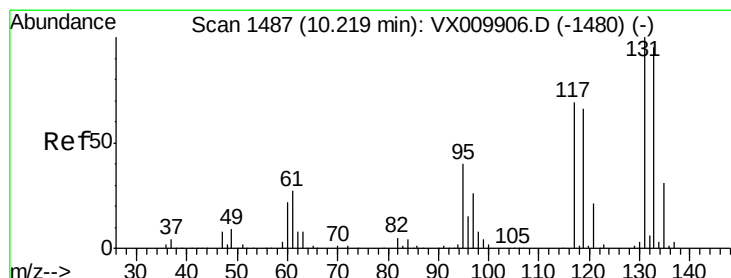
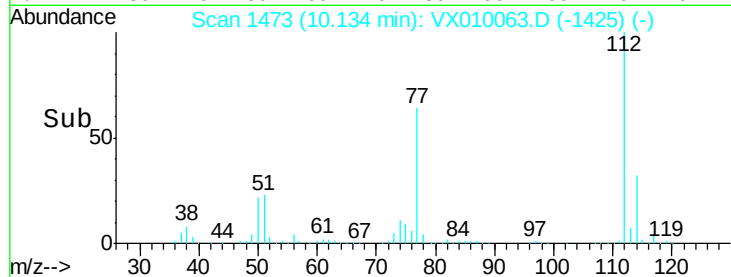
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 48.445 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

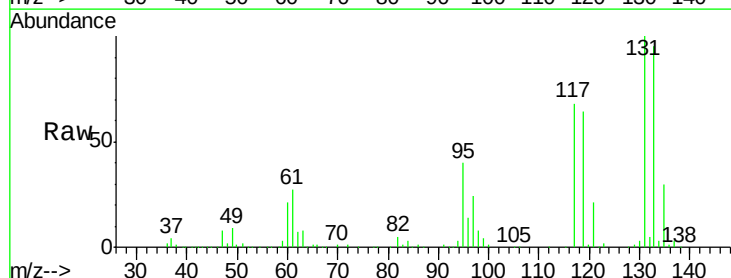
Tgt Ion:131 Resp: 91313

Ion Ratio Lower Upper

131 100

133 96.2 47.5 142.6

119 65.5 33.4 100.1



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.22

80000

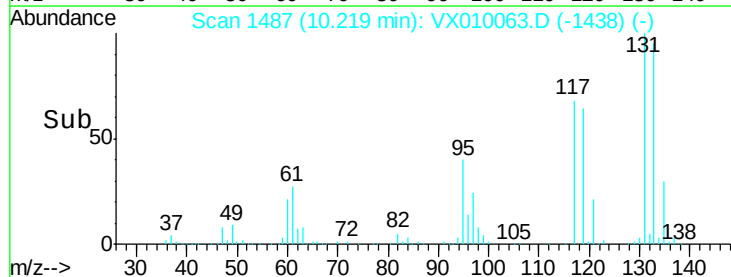
60000

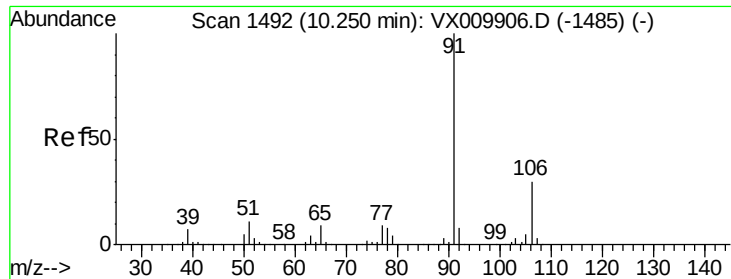
40000

20000

0

Time-->





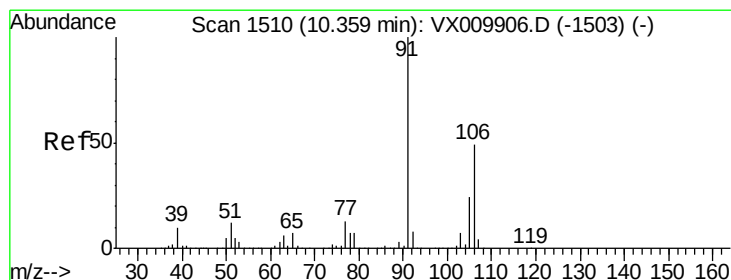
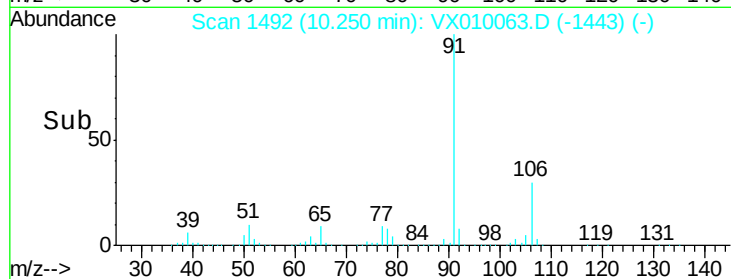
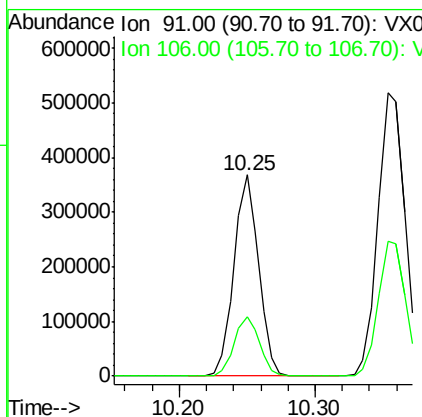
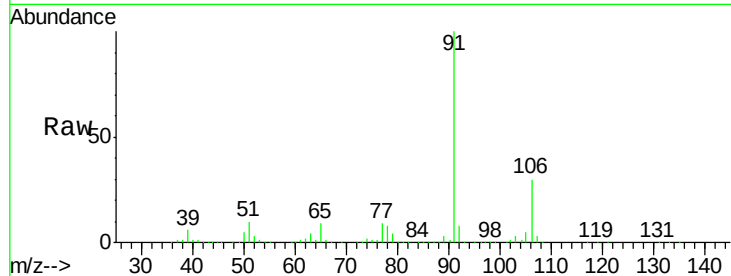
#67
Ethyl Benzene
Concen: 47.584 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 464302
Ion Ratio Lower Upper
91 100
106 29.8 23.9 35.9

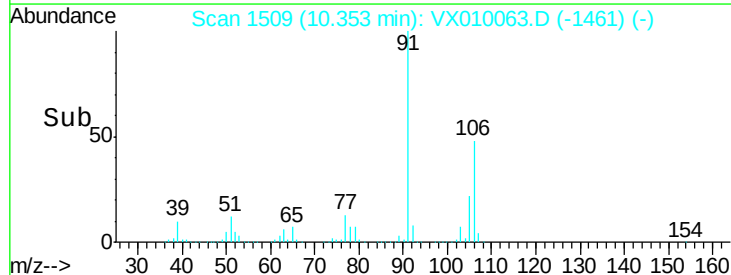
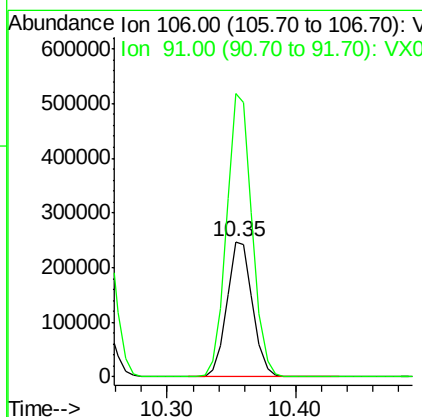
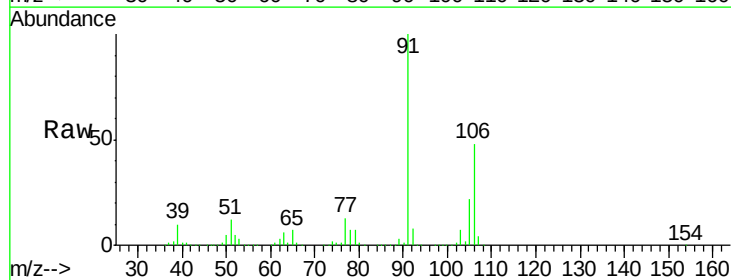
Manual Integrations
APPROVED

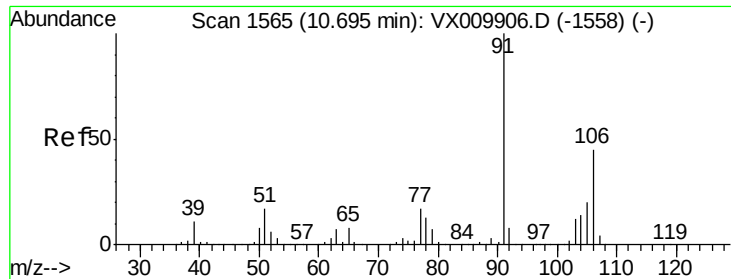
MMDadoda
6/5/2019 9:26:56 AM



#68
m/p-Xylenes
Concen: 95.404 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Tgt Ion: 106 Resp: 343909
Ion Ratio Lower Upper
106 100
91 208.0 167.3 250.9





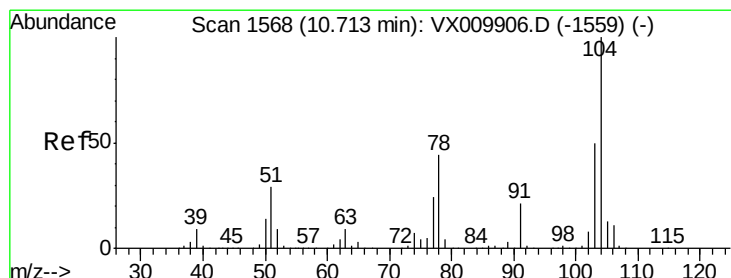
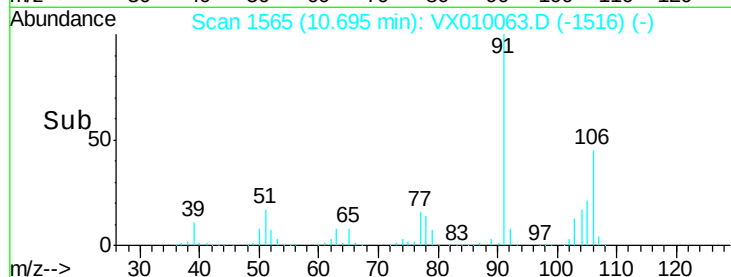
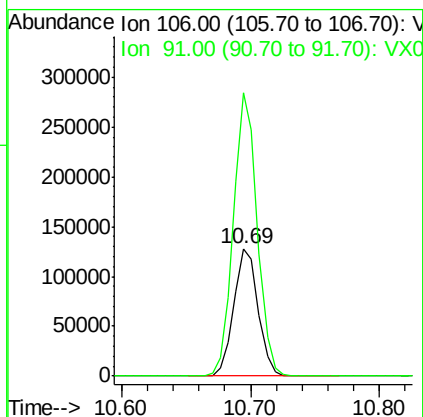
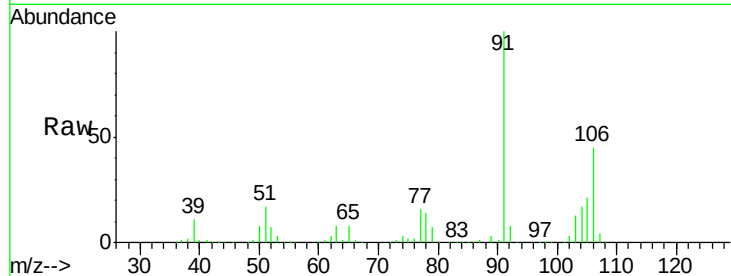
#69
o-Xylene
Concen: 48.523 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		167752		
91	218.0	110.4	331.2		

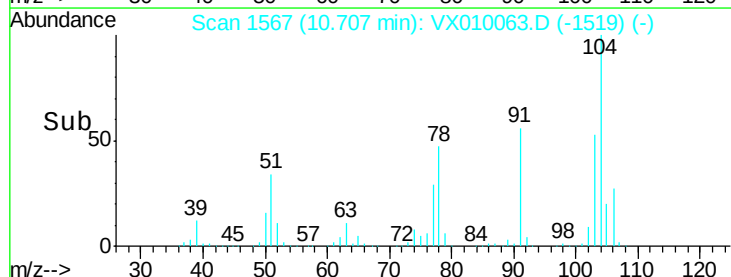
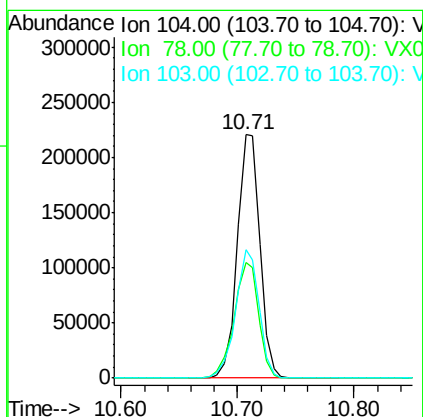
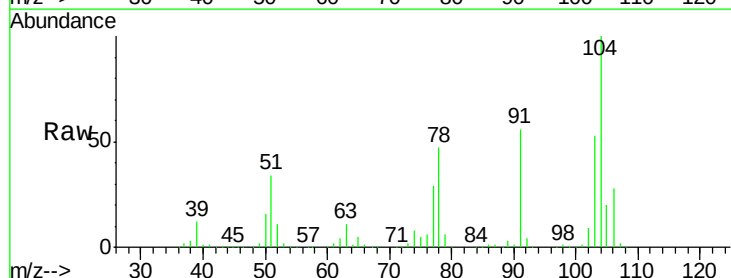
Manual Integrations
APPROVED

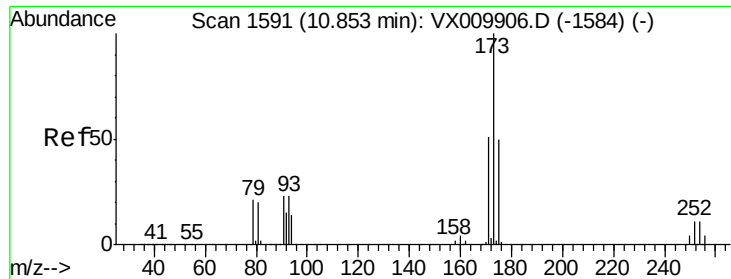
MMDadoda
6/5/2019 9:26:56 AM



#70
Styrene
Concen: 49.189 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		298188		
78	51.5	42.1	63.1		
103	55.0	44.1	66.1		





#71

Bromoform

Concen: 50.762 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

Instrument :

MSVOA_X

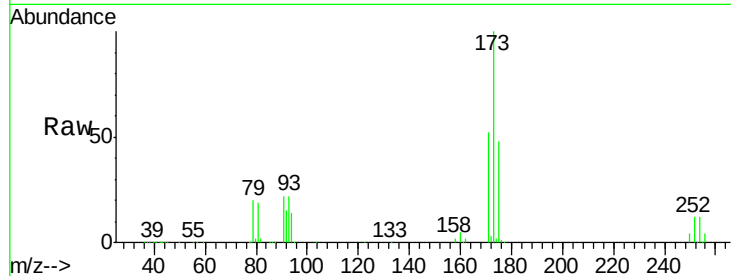
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	25.0	75.0
254	0.3	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
6/5/2019 9:26:56 AM

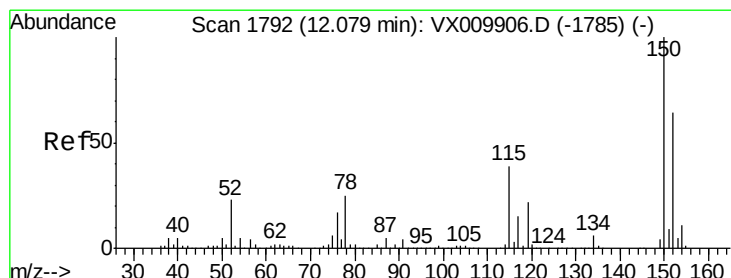
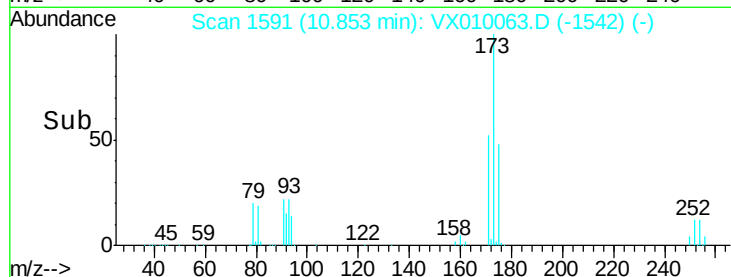
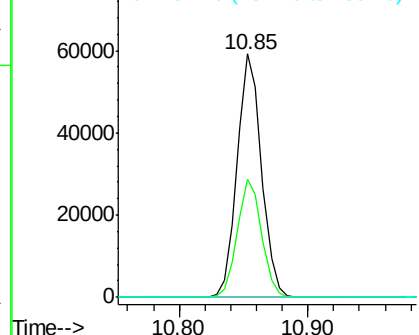


Abundance

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: VX010063.D

Acq: 04 Jun 2019 17:51

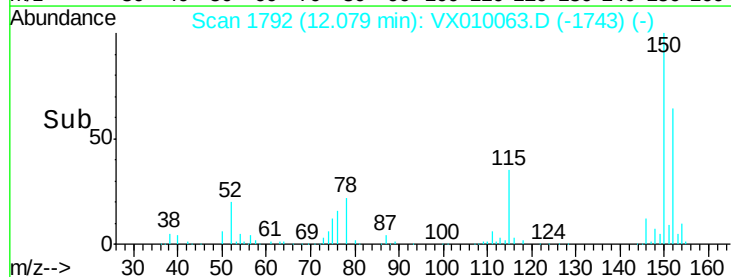
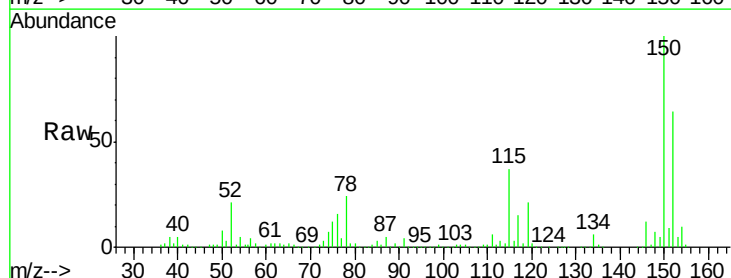
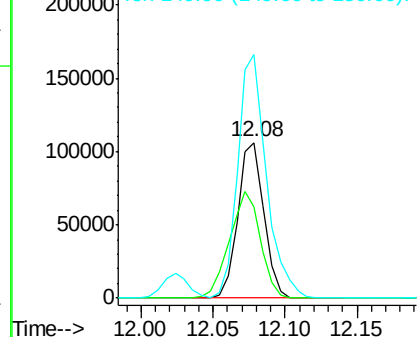
Tgt Ion	Ratio	Lower	Upper
152	100		
115	81.4	41.4	124.2
150	172.4	0.0	345.2

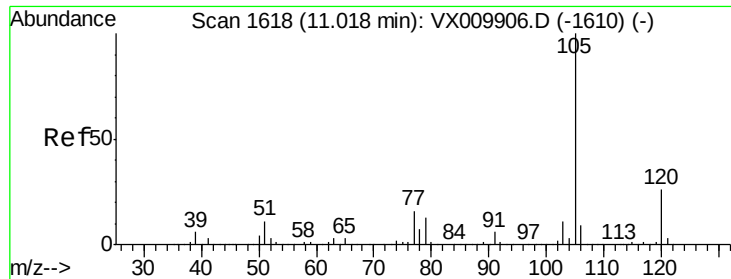
Abundance

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: 46.051 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 454953

Ion Ratio Lower Upper

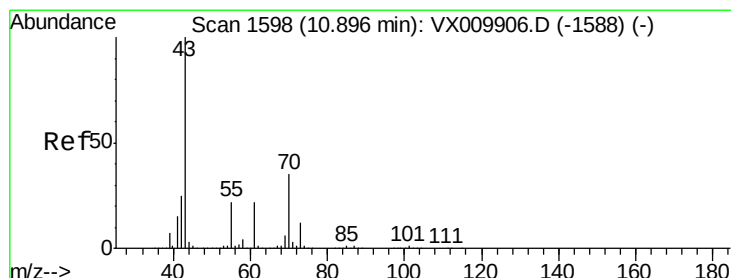
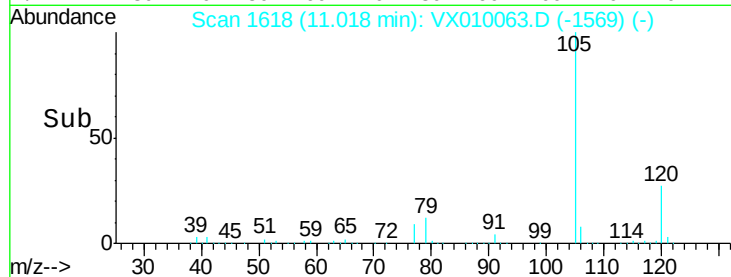
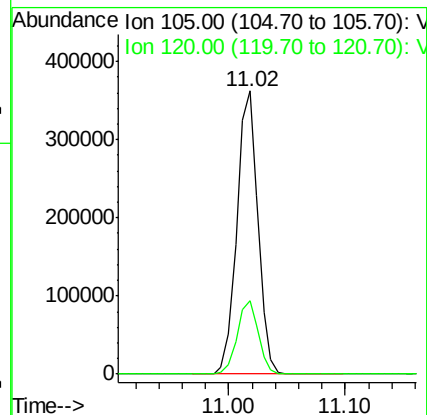
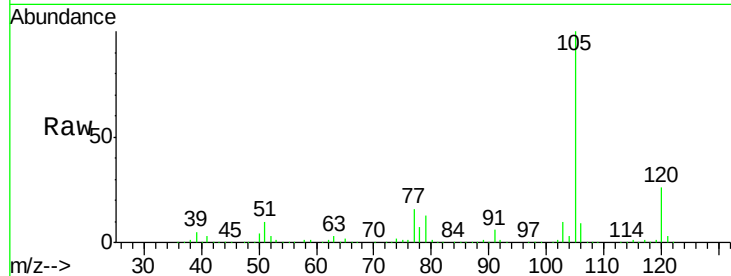
105 100

120 26.1 12.8 38.4

Manual Integrations
APPROVED

MMDadoda

6/5/2019 9:26:56 AM



#74

N-ethyl acetate

Concen: 44.375 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

Tgt Ion: 43 Resp: 261961

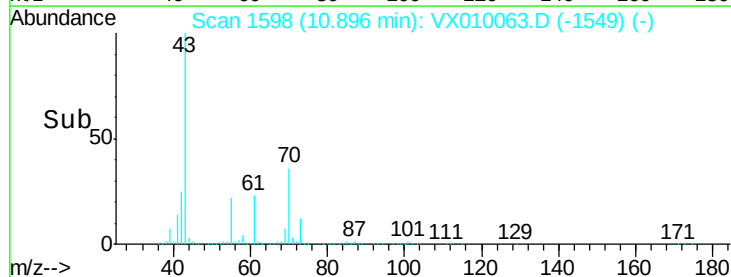
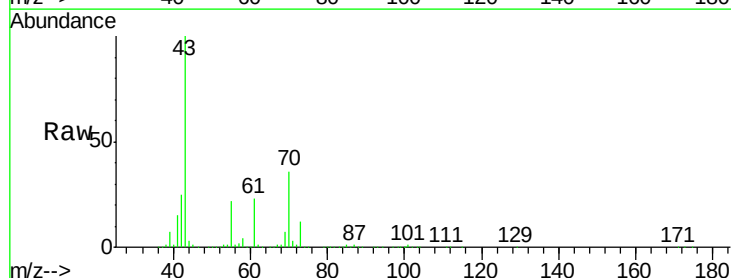
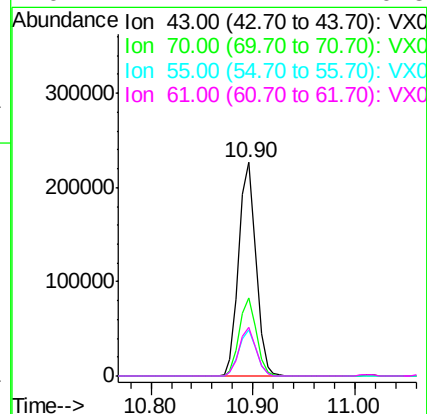
Ion Ratio Lower Upper

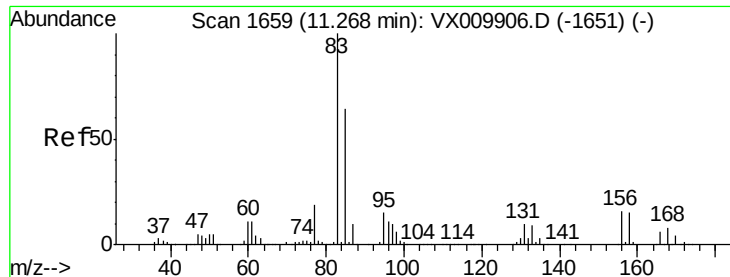
43 100

70 36.5 28.6 43.0

55 21.8 17.8 26.8

61 22.4 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 42.718 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

Instrument :

MSVOA_X

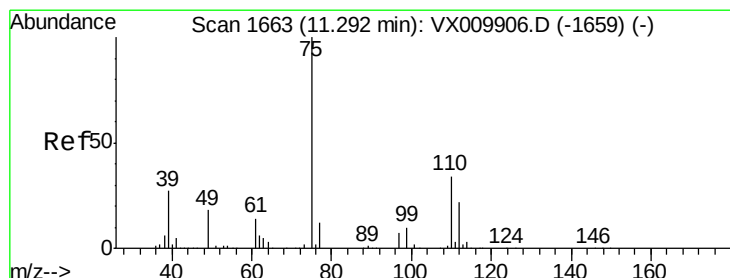
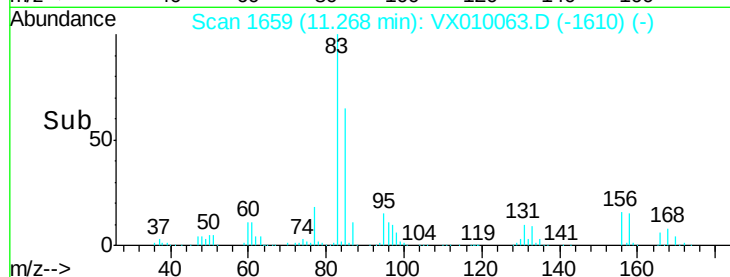
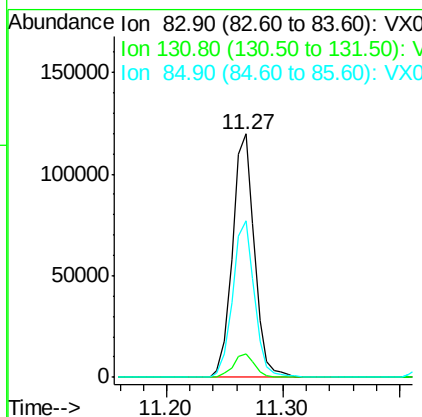
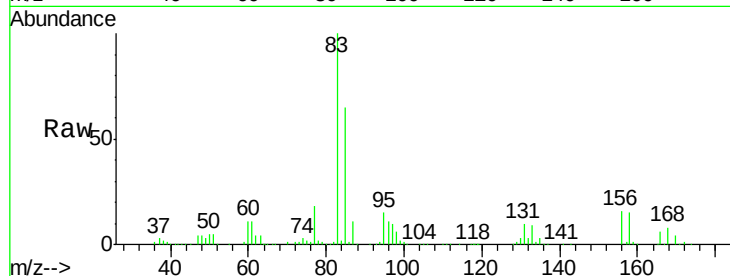
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	157444
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.7	14.1
85	64.0	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
6/5/2019 9:26:56 AM



#76

1,2,3-Trichloropropane

Concen: 43.448 ug/l m

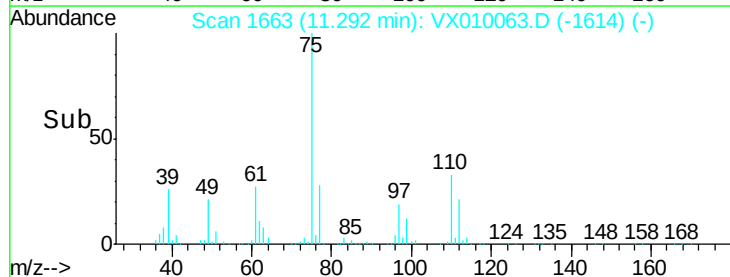
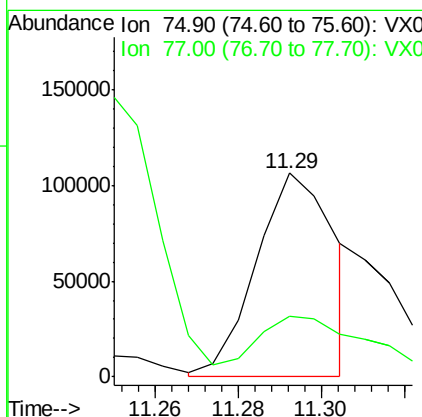
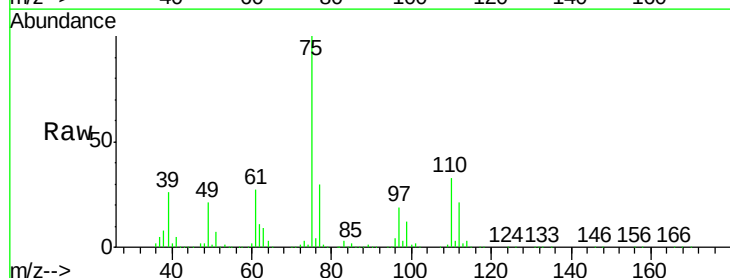
RT: 11.29 min Scan# 1663

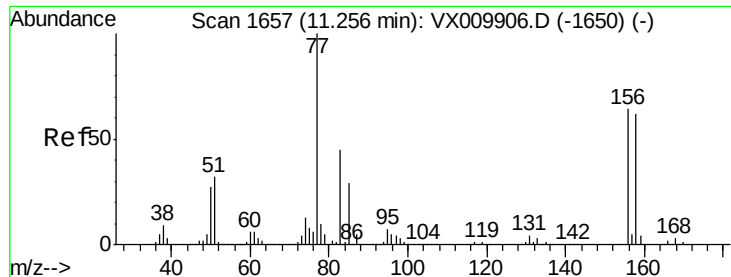
Delta R.T. -0.00 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

Tgt Ion:	75	Resp:	139118
Ion	Ratio	Lower	Upper
75	100		
77	43.1	22.1	66.1





#77

Bromobenzene

Concen: 45.183 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

Instrument :

MSVOA_X

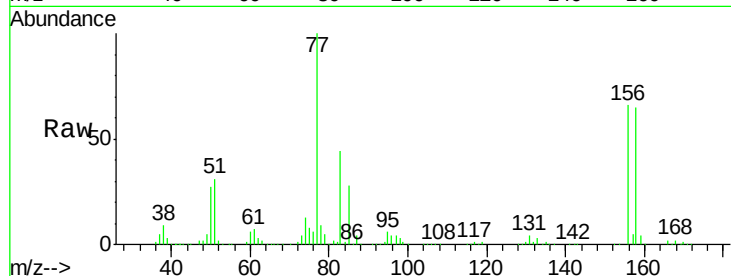
ClientSampleId :

VSTDCCC050EC

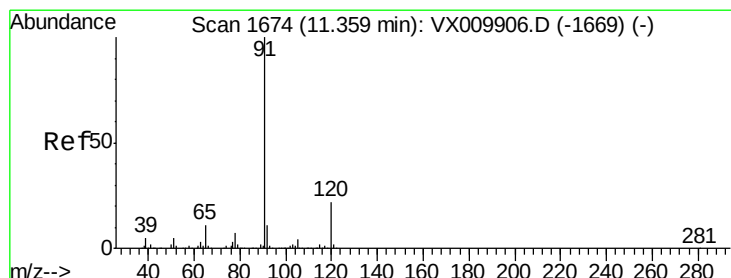
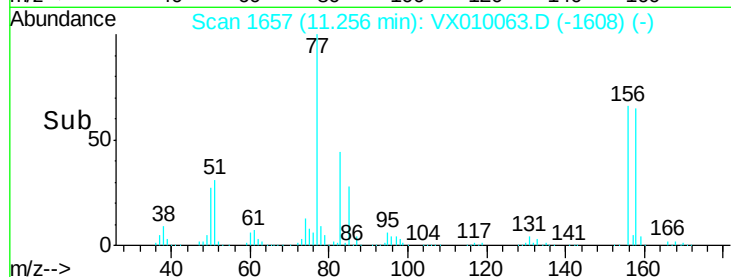
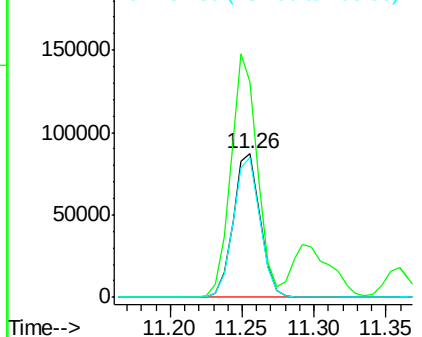
Tot Ion:	156	Resp:	113756
Ion Ratio	Lower	Upper	
156	100		
77	166.7	86.8	260.3
158	97.3	49.6	148.8

Manual Integrations
APPROVED

MMDadoda
6/5/2019 9:26:56 AM



Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.316 ug/l

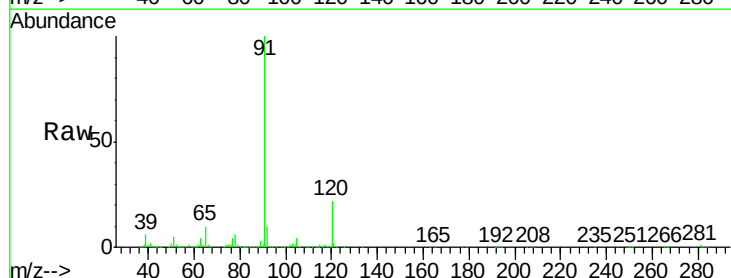
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

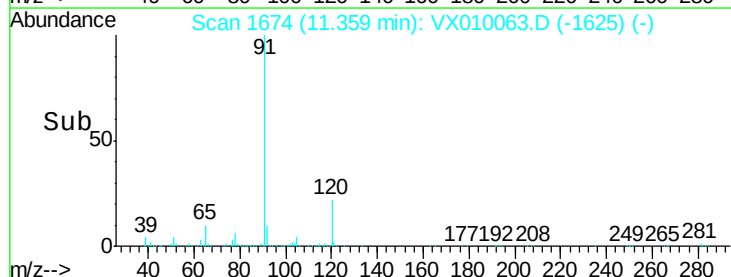
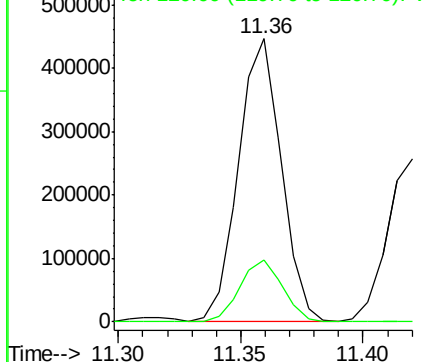
Lab File: VX010063.D

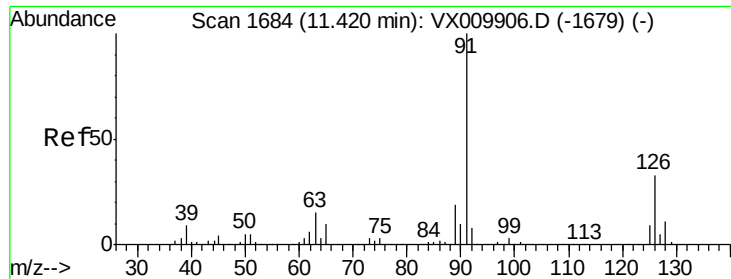
Acq: 04 Jun 2019 17:51

Tgt Ion:	91	Resp:	538808
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 44.931 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 312606

Ion Ratio Lower Upper

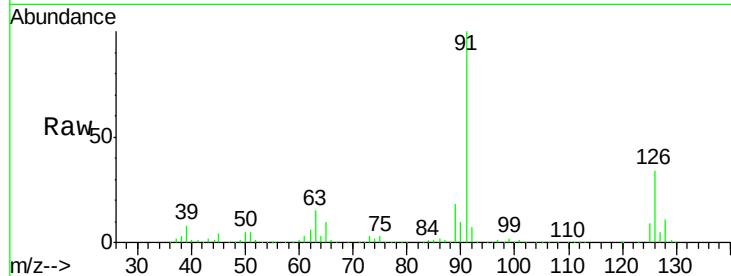
91 100

126 33.0 16.1 48.3

Manual Integrations
APPROVED

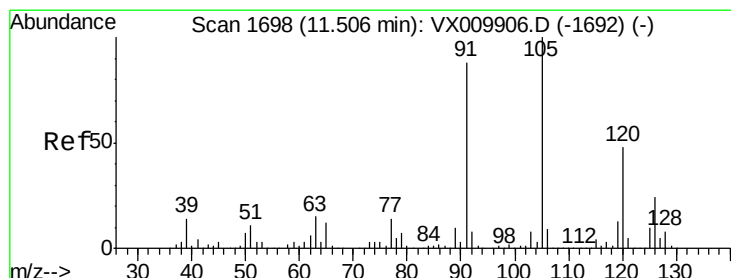
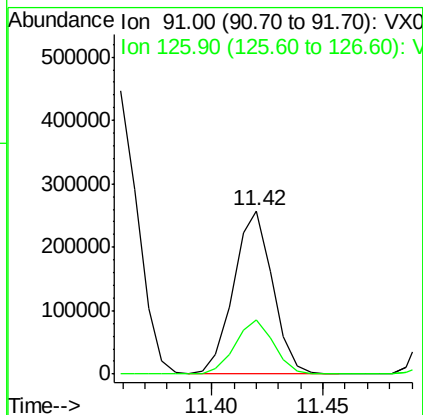
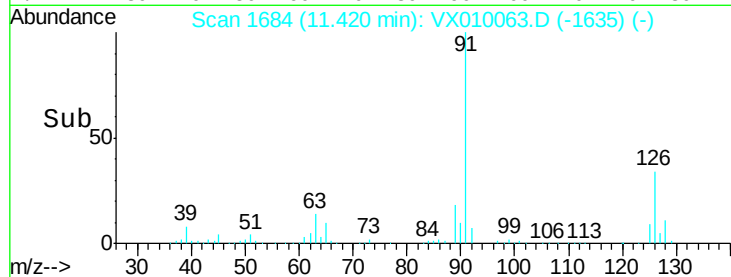
MMDadoda

6/5/2019 9:26:56 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 46.836 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010063.D

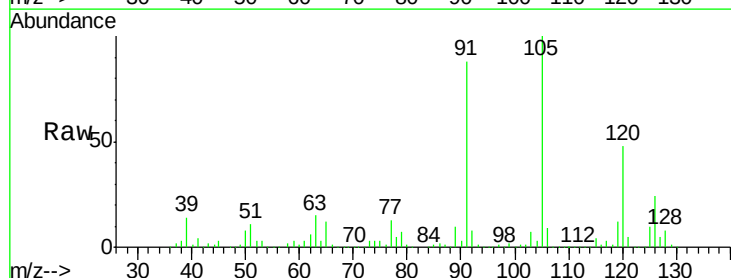
Acq: 04 Jun 2019 17:51

Tgt Ion:105 Resp: 389813

Ion Ratio Lower Upper

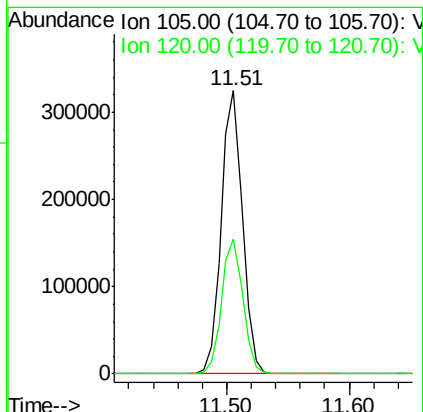
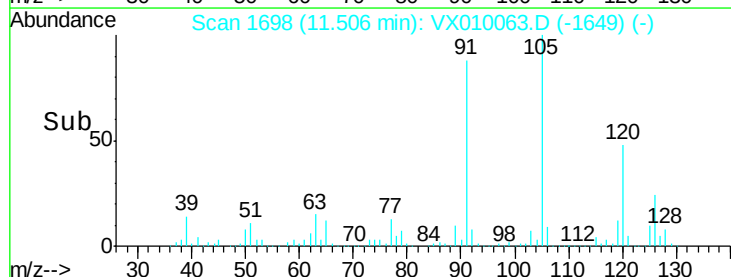
105 100

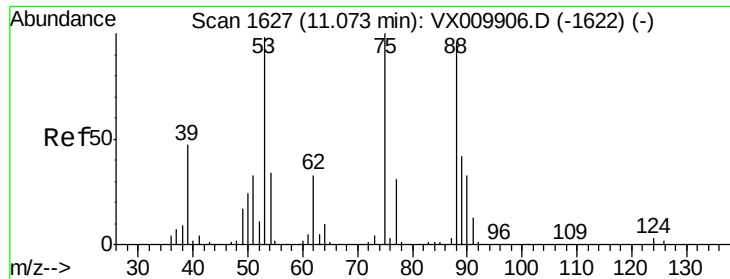
120 48.0 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 44.188 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 75 Resp: 57185

Ion Ratio Lower Upper

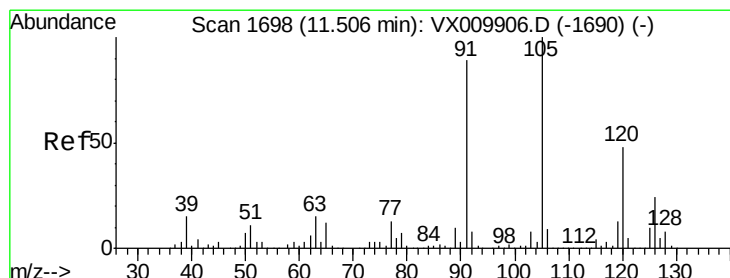
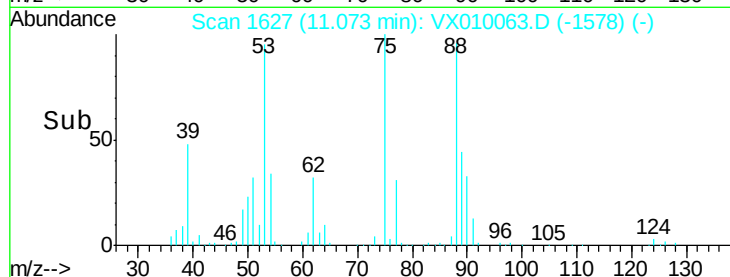
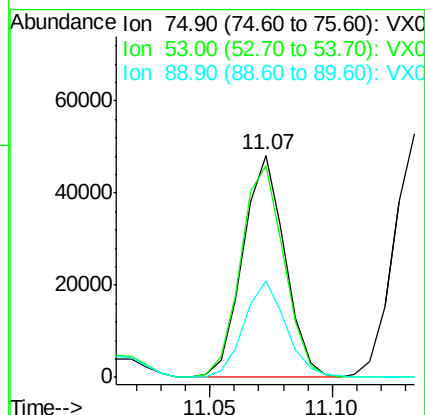
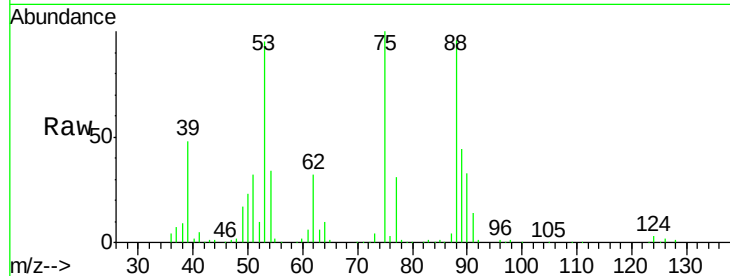
75 100

53 99.6 79.8 119.6

89 43.7 34.2 51.4

Manual Integrations
APPROVED

MMDadoda
6/5/2019 9:26:56 AM



#82

4-Chlorotoluene

Concen: 45.385 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010063.D

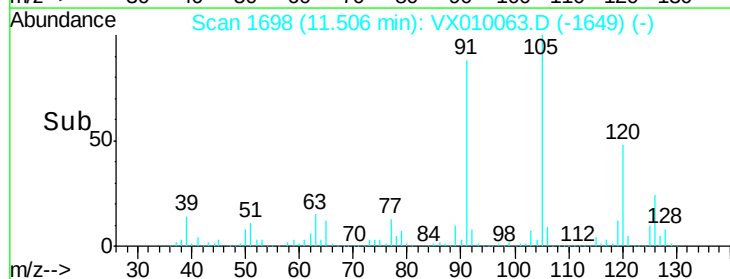
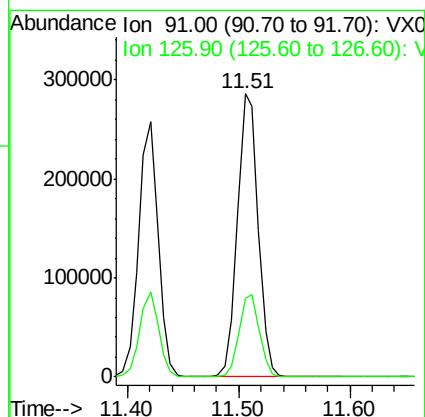
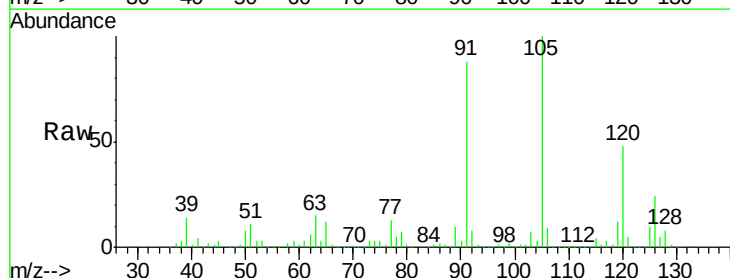
Acq: 04 Jun 2019 17:51

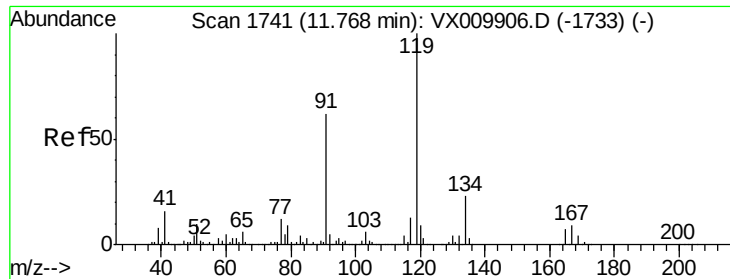
Tgt Ion: 91 Resp: 367586

Ion Ratio Lower Upper

91 100

126 28.8 14.2 42.6





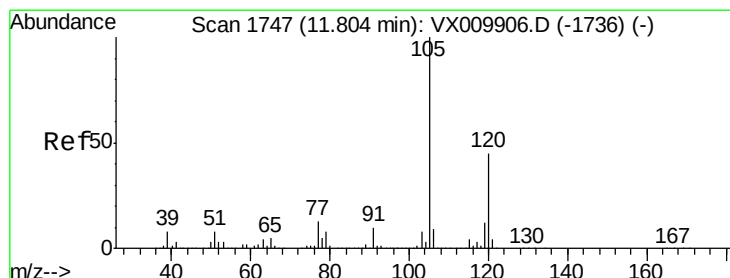
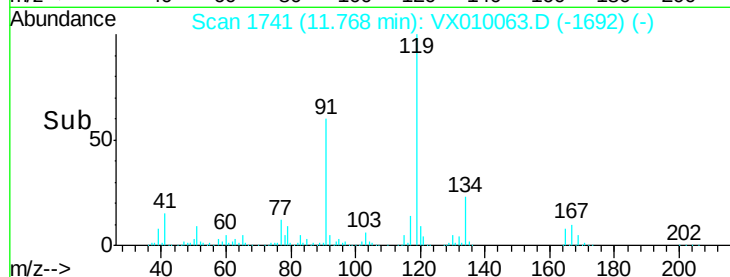
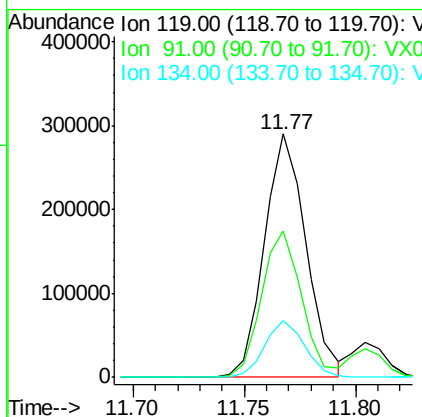
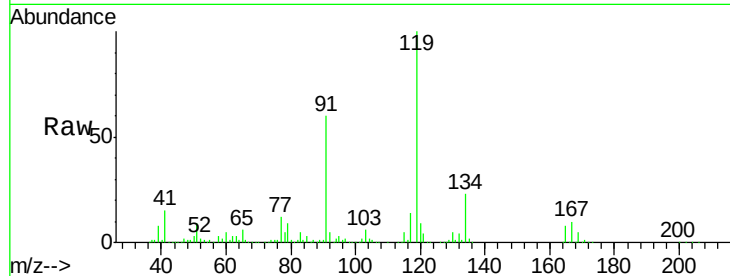
#83
 tert-Butylbenzene
 Concen: 47.251 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX010063.D
 Acq: 04 Jun 2019 17:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	376238		
91	58.3	30.0	90.0	
134	22.3	11.2	33.5	

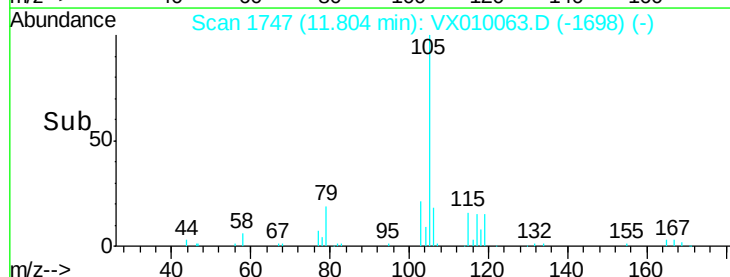
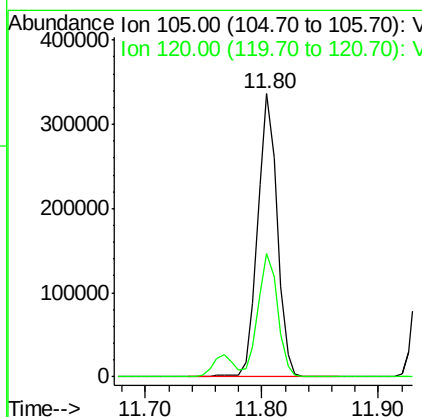
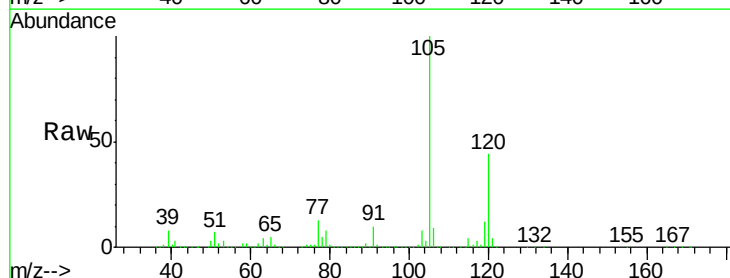
Manual Integrations
 APPROVED

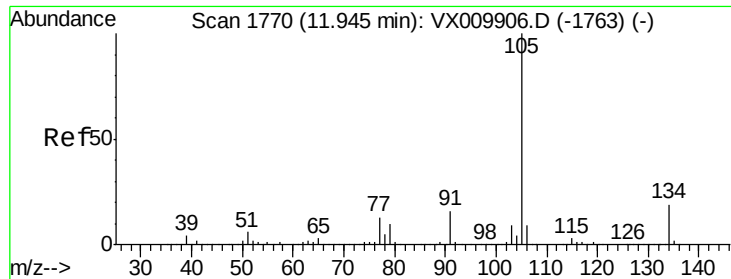
MMDadoda
 6/5/2019 9:26:56 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 46.728 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010063.D
 Acq: 04 Jun 2019 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	394962		
120	44.1	22.1	66.1	





#85

sec-Butylbenzene

Concen: 47.752 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 452350

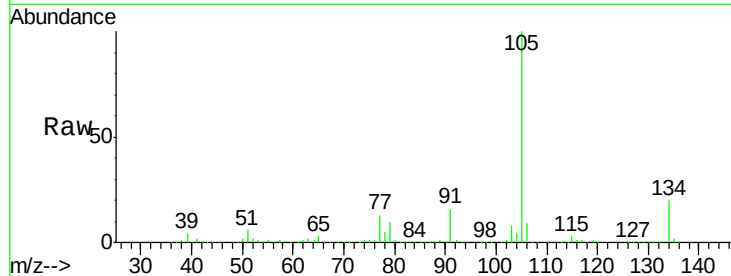
Ion Ratio Lower Upper

105 100

134 19.7 9.7 28.9

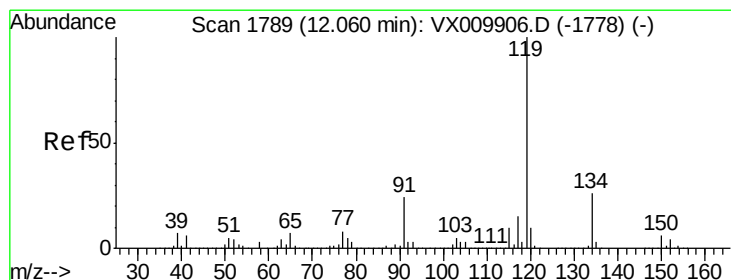
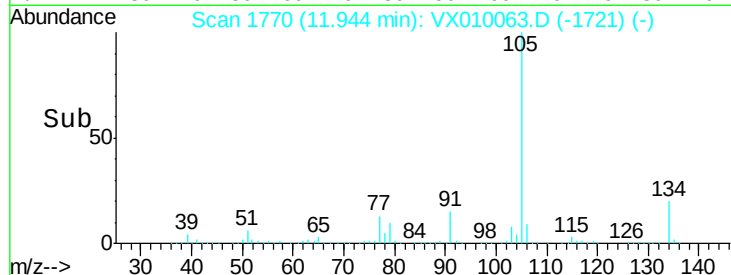
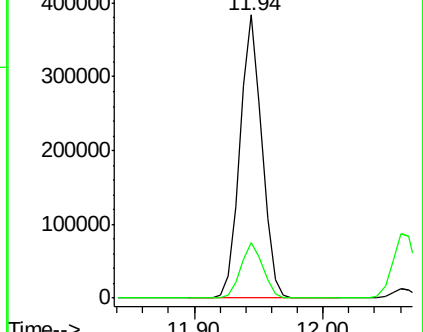
Manual Integrations
APPROVED

MMDadoda
6/5/2019 9:26:56 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.103 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010063.D

Acq: 04 Jun 2019 17:51

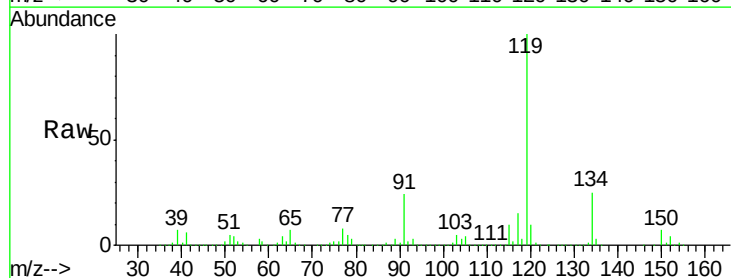
Tgt Ion:119 Resp: 418383

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.6

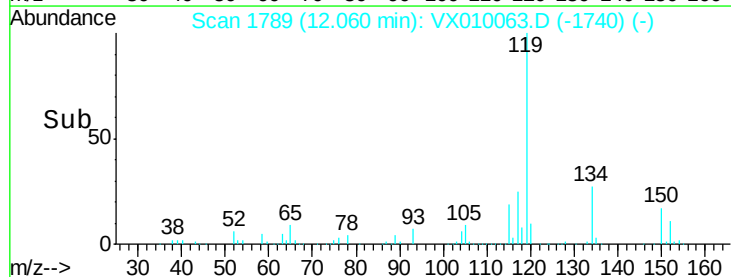
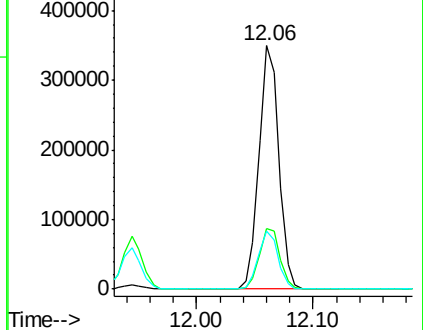
91 23.8 11.9 35.9

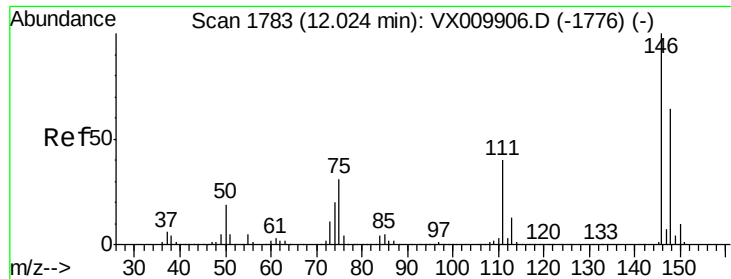


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





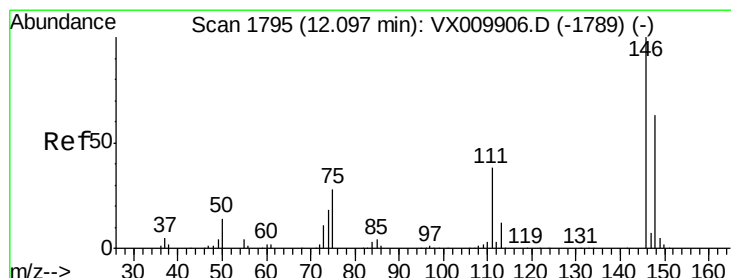
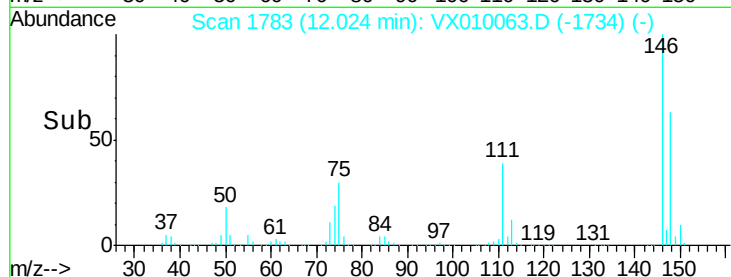
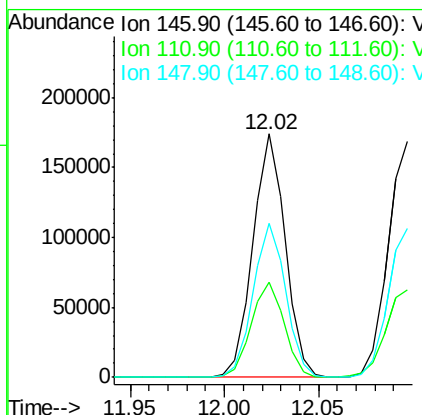
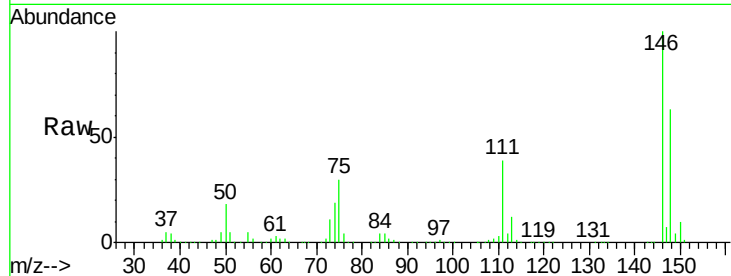
#87
 1,3-Dichlorobenzene
 Concen: 46.184 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010063.D
 Acq: 04 Jun 2019 17:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.1	60.2
148	63.7	31.9	95.5

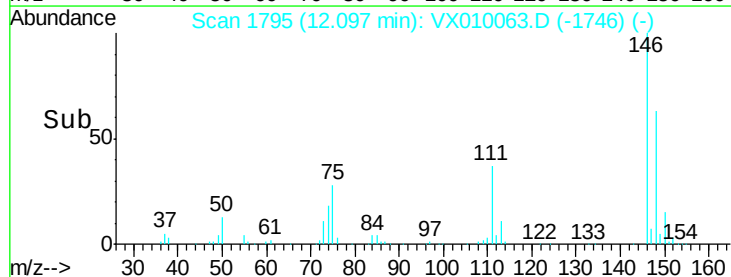
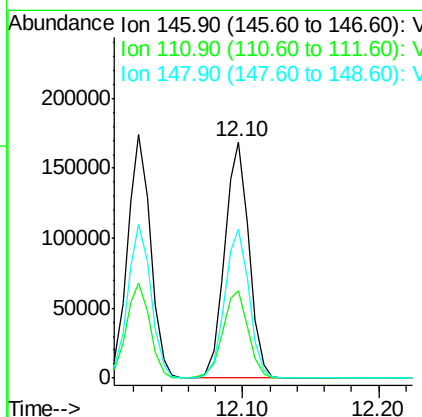
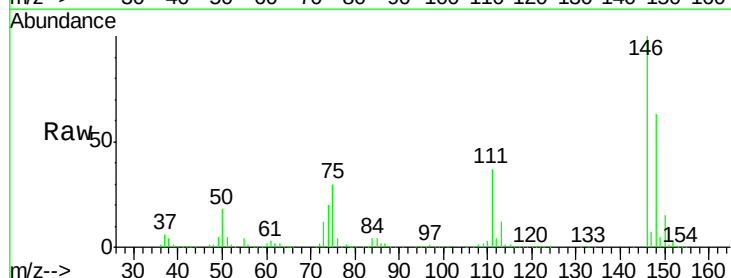
Manual Integrations
 APPROVED

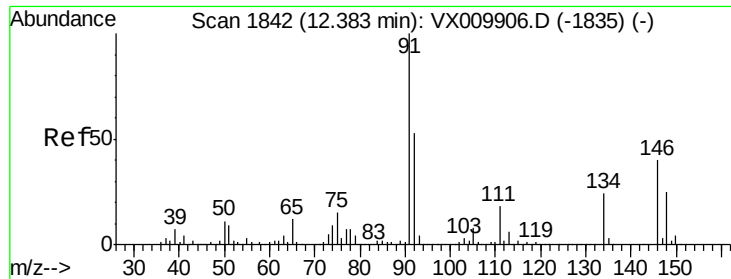
MMDadoda
 6/5/2019 9:26:56 AM



#88
 1,4-Dichlorobenzene
 Concen: 45.277 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010063.D
 Acq: 04 Jun 2019 17:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.0	59.9
148	63.5	32.3	96.9





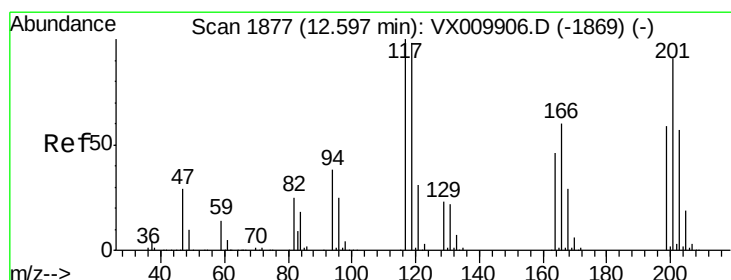
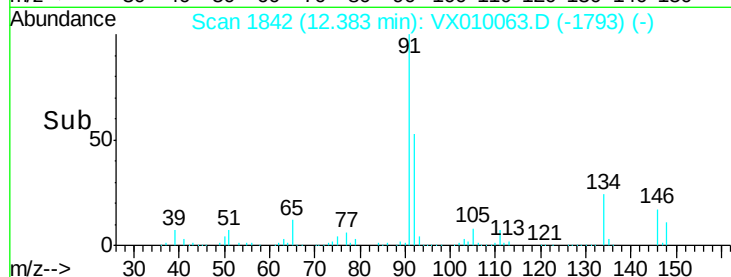
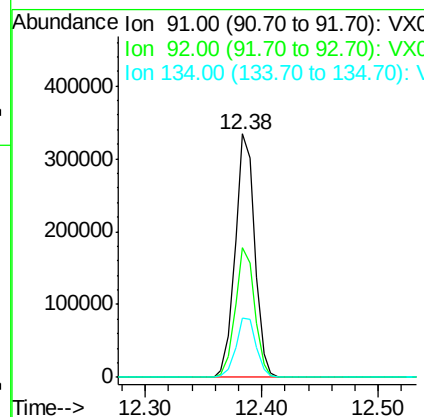
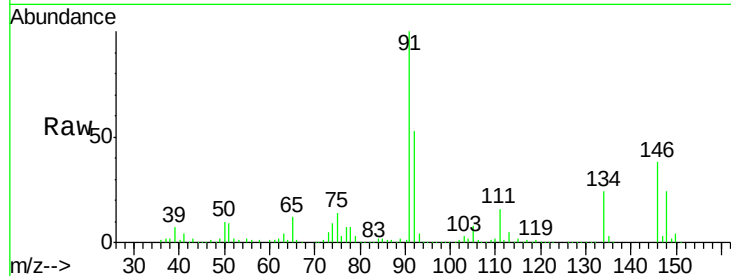
#89
n-Butylbenzene
Concen: 48.803 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.3	78.8
134	25.2	12.3	36.8

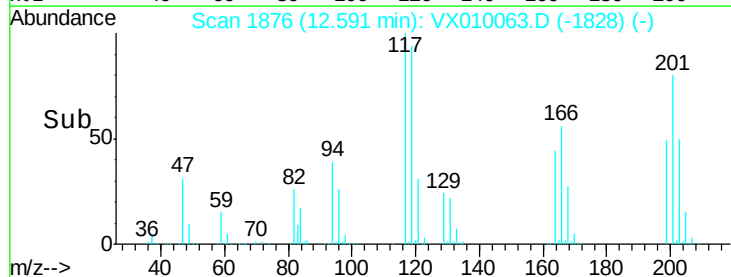
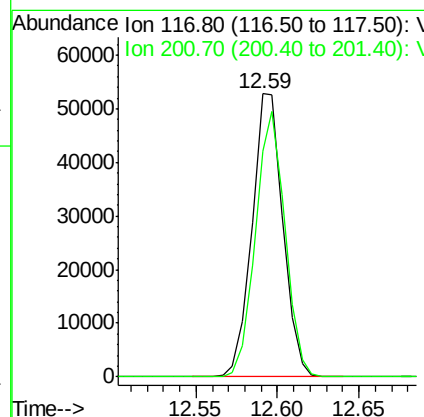
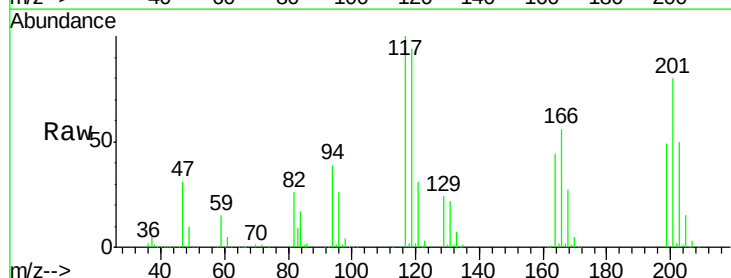
Manual Integrations
APPROVED

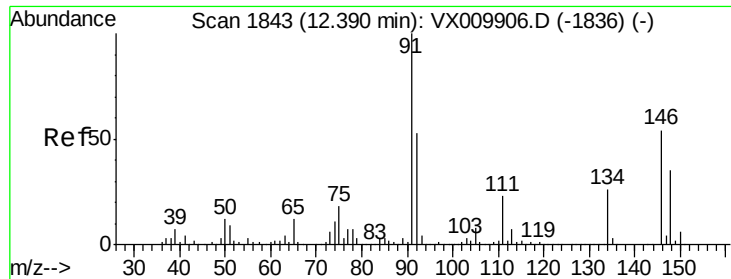
MMDadoda
6/5/2019 9:26:56 AM



#90
Hexachloroethane
Concen: 47.814 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.4	43.6	130.9





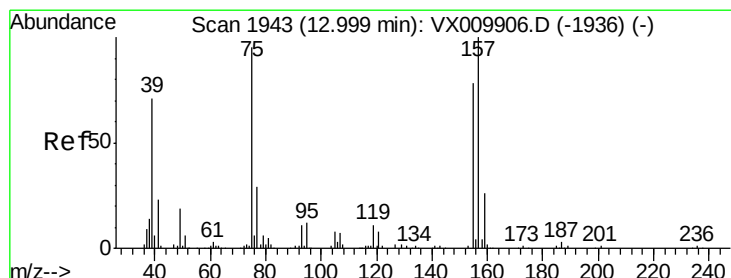
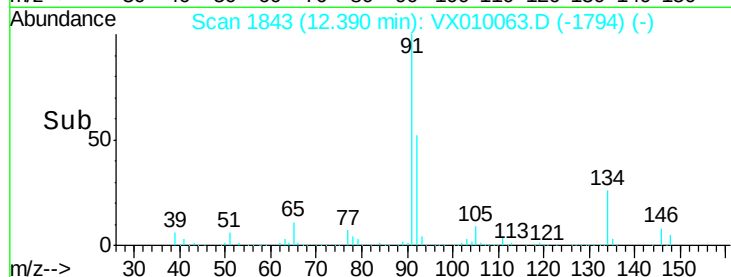
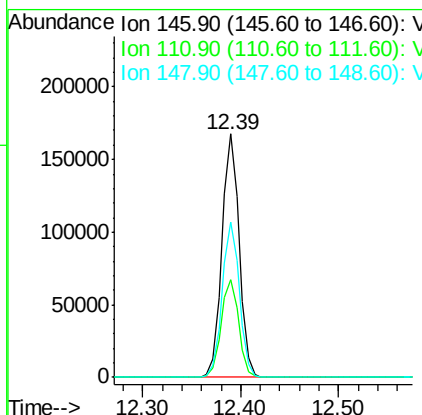
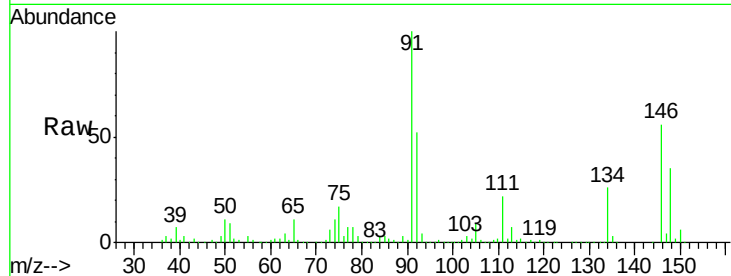
#91
 1,2-Dichlorobenzene
 Concen: 46.202 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010063.D
 Acq: 04 Jun 2019 17:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.1	63.1
148	63.8	32.3	96.8

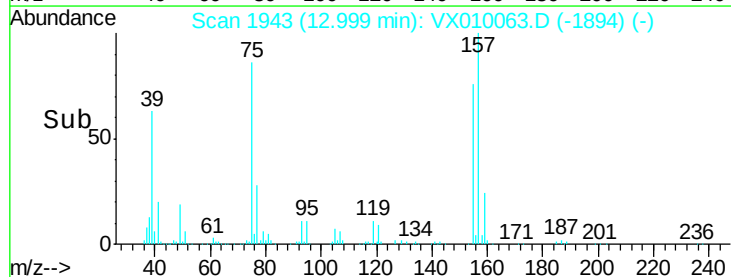
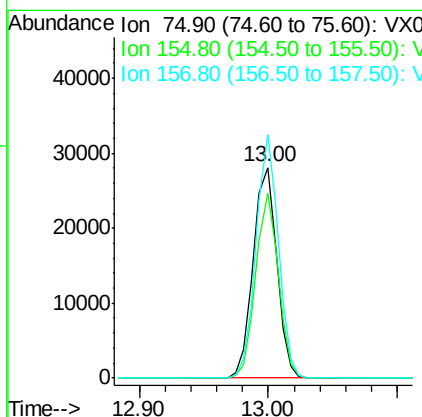
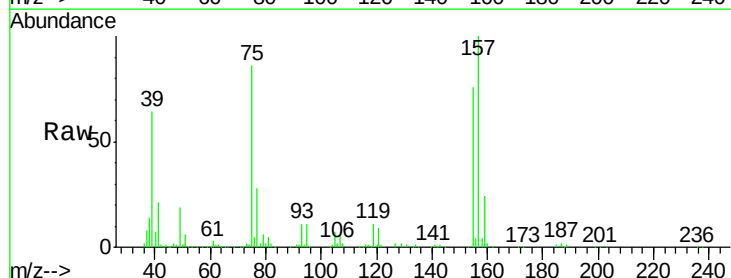
Manual Integrations
 APPROVED

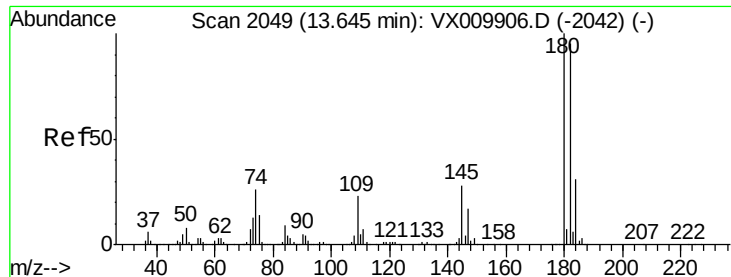
MMDadoda
 6/5/2019 9:26:56 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.759 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010063.D
 Acq: 04 Jun 2019 17:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.1	39.3	117.8
157	108.9	50.6	151.8





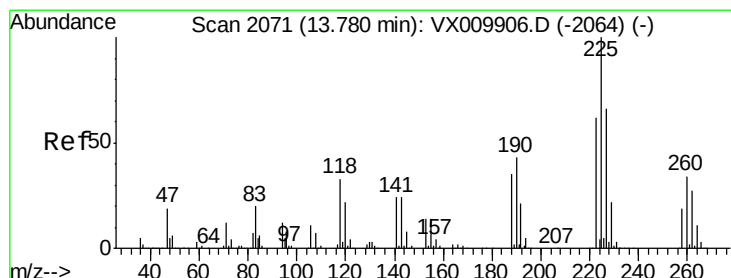
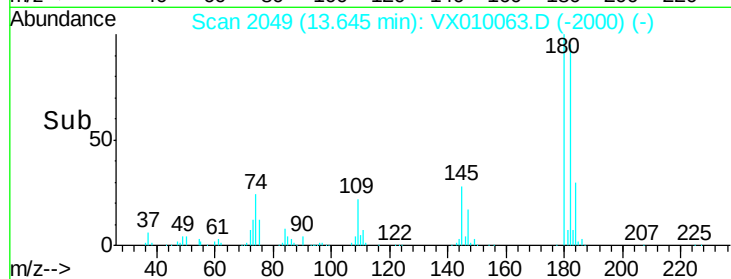
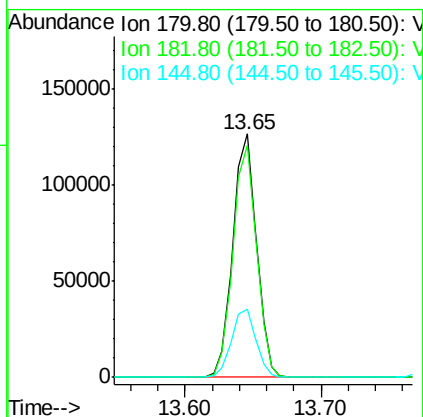
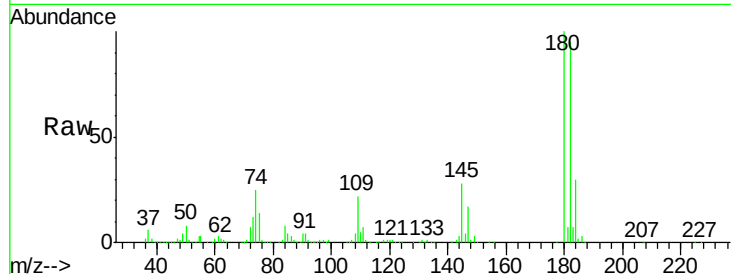
#93
 1,2,4-Trichlorobenzene
 Concen: 48.534 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010063.D
 Acq: 04 Jun 2019 17:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.4	142.2
145	28.9	14.5	43.5

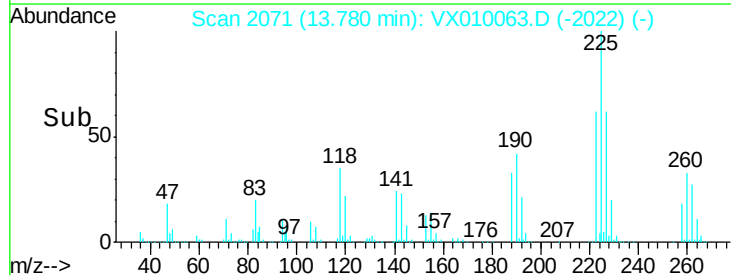
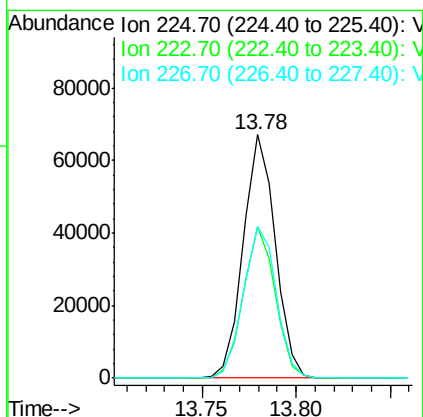
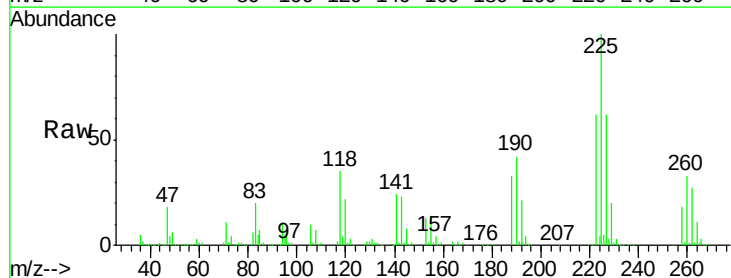
Manual Integrations
 APPROVED

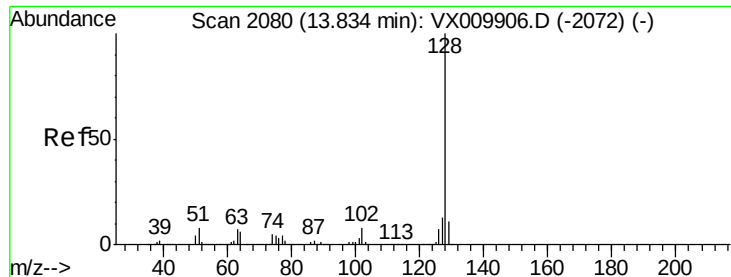
MMDadoda
 6/5/2019 9:26:56 AM



#94
 Hexachlorobutadiene
 Concen: 49.886 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010063.D
 Acq: 04 Jun 2019 17:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.3	93.8
227	64.2	32.3	96.8





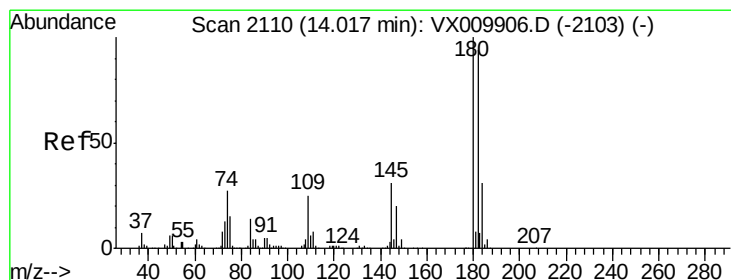
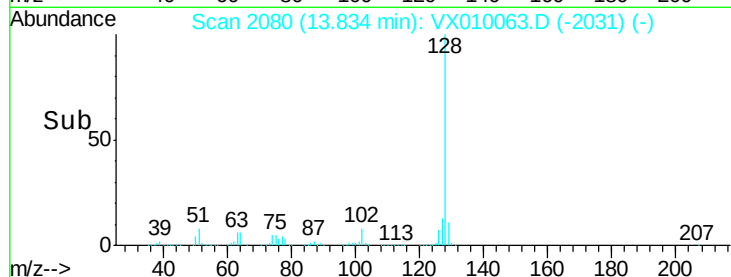
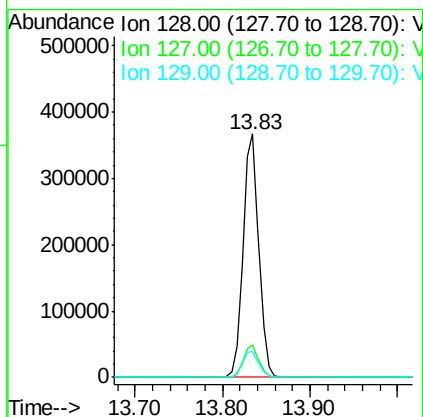
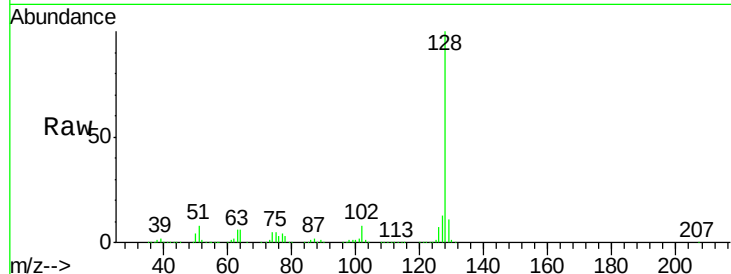
#95
Naphthalene
Concen: 46.288 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/5/2019 9:26:56 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.339 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX010063.D
Acq: 04 Jun 2019 17:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	142.0
145	30.6	15.6	46.7

