

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\
 Data File : VX010065.D
 Acq On : 05 Jun 2019 10:20
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 9:32:02 AM

Quant Time: Jun 05 12:42:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 28 13:02:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	162274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	246075	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	226457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	117352	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	109721	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
35) Dibromofluoromethane	5.49	113	81170	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
50) Toluene-d8	8.71	98	333239	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	
62) 4-Bromofluorobenzene	11.13	95	125031	55.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	113607	57.292	ug/l	99
3) Chloromethane	1.32	50	122664	46.014	ug/l	100
4) Vinyl Chloride	1.41	62	115441	48.037	ug/l	98
5) Bromomethane	1.64	94	79667	54.716	ug/l	97
6) Chloroethane	1.71	64	68417	46.248	ug/l	99
7) Trichlorofluoromethane	1.92	101	133746	50.364	ug/l	98
8) Diethyl Ether	2.19	74	56626	45.376	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	83144	51.858	ug/l	98
10) Methyl Iodide	2.51	142	89700	45.630	ug/l	100
11) Tert butyl alcohol	3.06	59	130613	231.533	ug/l	99
12) 1,1-Dichloroethene	2.37	96	83126	50.582	ug/l	99
13) Acrolein	2.29	56	91284	230.118	ug/l	99
14) Allyl chloride	2.73	41	197554	49.459	ug/l	98
15) Acrylonitrile	3.14	53	316266	232.678	ug/l	99
16) Acetone	2.45	43	336406	254.003	ug/l	98
17) Carbon Disulfide	2.57	76	255949	51.424	ug/l	100
18) Methyl Acetate	2.78	43	140801	45.689	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	312464	50.361	ug/l	99
20) Methylene Chloride	2.85	84	98828	48.728	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	91189	49.869	ug/l	98
22) Diisopropyl ether	3.85	45	376862	49.588	ug/l	98
23) Vinyl Acetate	3.81	43	1699220	248.886	ug/l	99
24) 1,1-Dichloroethane	3.70	63	183196	49.740	ug/l	100
25) 2-Butanone	4.67	43	497286	241.001	ug/l	99
26) 2,2-Dichloropropane	4.58	77	144915	52.014	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	103476	49.023	ug/l	100
28) Bromochloromethane	5.01	49	86456	45.236	ug/l	100
29) Tetrahydrofuran	5.12	42	311775	235.624	ug/l	98
30) Chloroform	5.21	83	167635	50.469	ug/l	99
31) Cyclohexane	5.57	56	184728	52.956	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	143907	53.198	ug/l	99
36) 1,1-Dichloropropene	5.79	75	134753	53.972	ug/l	100
37) Ethyl Acetate	4.83	43	179139	51.494	ug/l	99
38) Carbon Tetrachloride	5.78	117	121962	56.529	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\
 Data File : VX010065.D
 Acq On : 05 Jun 2019 10:20
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 9:32:02 AM

Quant Time: Jun 05 12:42:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 28 13:02:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	172722	58.321	ug/l	99
40) Benzene	6.14	78	399796	53.980	ug/l	97
41) Methacrylonitrile	5.04	41	100910	49.641	ug/l	100
42) 1,2-Dichloroethane	6.19	62	144638	52.824	ug/l	99
43) Isopropyl Acetate	6.44	43	288568	51.408	ug/l	99
44) Trichloroethene	7.21	130	96974	53.903	ug/l	95
45) 1,2-Dichloropropane	7.51	63	111879	52.475	ug/l	98
46) Dibromomethane	7.66	93	65367	52.086	ug/l	98
47) Bromodichloromethane	7.90	83	132086	55.348	ug/l	99
48) Methyl methacrylate	7.77	41	148149	53.314	ug/l	98
49) 1,4-Dioxane	7.74	88	54259	1049.743	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	950506	260.304	ug/l	99
52) Toluene	8.78	92	250773	55.766	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	159977	55.895	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	172601	55.349	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	97358	53.791	ug/l	96
56) Ethyl methacrylate	9.18	69	181320	56.271	ug/l	98
57) 1,3-Dichloropropane	9.37	76	173732	53.449	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	484857	286.954	ug/l	99
59) 2-Hexanone	9.49	43	757483	269.441	ug/l	99
60) Dibromochloromethane	9.58	129	101763	57.157	ug/l	99
61) 1,2-Dibromoethane	9.67	107	101337	54.499	ug/l	100
64) Tetrachloroethene	9.34	164	92876	58.715	ug/l	97
65) Chlorobenzene	10.13	112	262997	55.474	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	94423	57.423	ug/l	99
67) Ethyl Benzene	10.25	91	485602	57.047	ug/l	99
68) m/p-Xylenes	10.36	106	362601	115.303	ug/l	99
69) o-Xylene	10.69	106	173358	57.480	ug/l	100
70) Styrene	10.71	104	307683	58.179	ug/l	99
71) Bromoform	10.85	173	79849	59.407	ug/l #	100
73) Isopropylbenzene	11.02	105	469909	54.271	ug/l	100
74) N-amyl acetate	10.90	43	266496	51.508	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	160546	49.701	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	143109m	43.078	ug/l	
77) Bromobenzene	11.26	156	116848	52.955	ug/l	99
78) n-propylbenzene	11.36	91	553495	55.459	ug/l	99
79) 2-Chlorotoluene	11.42	91	322811	52.940	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	401786	55.081	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	59540	52.494	ug/l	100
82) 4-Chlorotoluene	11.51	91	378797	53.364	ug/l	99
83) tert-Butylbenzene	11.77	119	384865	55.149	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	404417	54.593	ug/l	98
85) sec-Butylbenzene	11.94	105	467334	56.290	ug/l	99
86) p-Isopropyltoluene	12.06	119	434950	58.244	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	211518	53.843	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	213016	53.169	ug/l	99
89) n-Butylbenzene	12.38	91	404317	57.611	ug/l	100
90) Hexachloroethane	12.59	117	73508	57.359	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	205849	53.148	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36475	47.971	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060519\
Data File : VX010065.D
Acq On : 05 Jun 2019 10:20
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

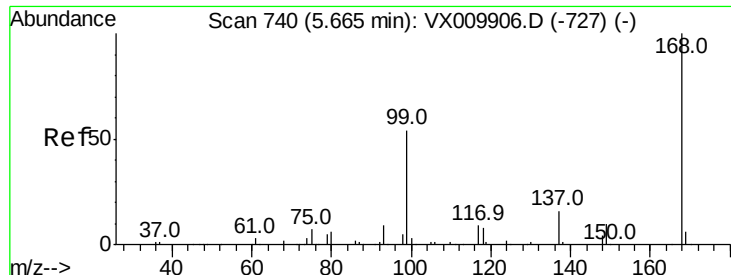
Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:02 AM

Quant Time: Jun 05 12:42:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Tue May 28 13:02:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	153649	55.512	ug/l	100
94) Hexachlorobutadiene	13.78	225	80624	58.074	ug/l	99
95) Naphthalene	13.83	128	465859	54.086	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	150407	54.288	ug/l	100

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



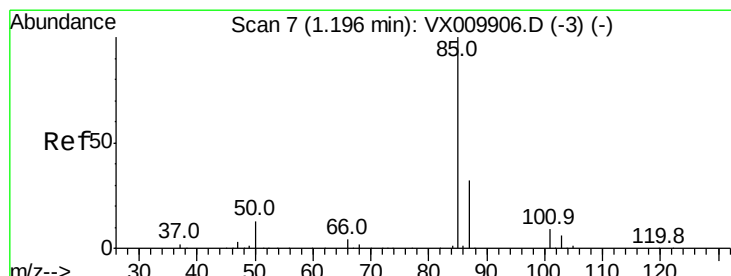
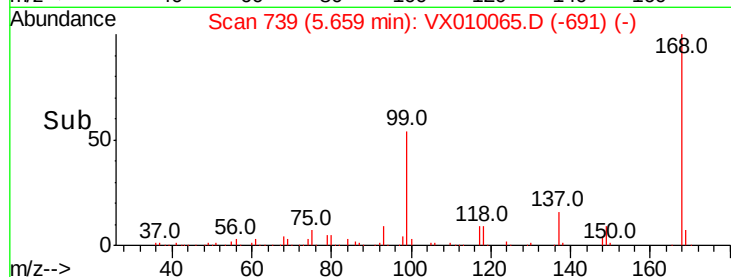
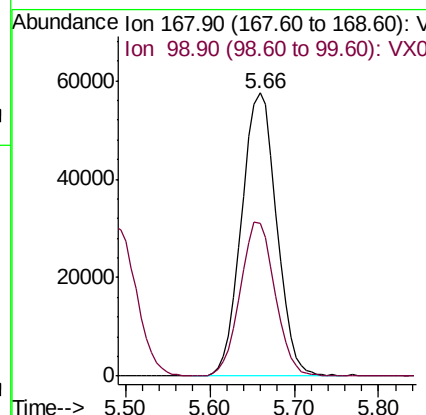
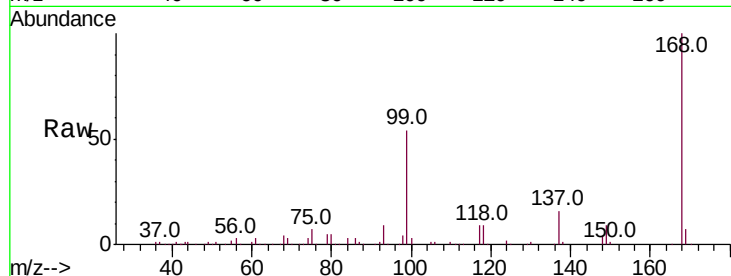
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:168 Resp: 162274
Ion Ratio Lower Upper
168 100
99 53.8 42.3 63.5

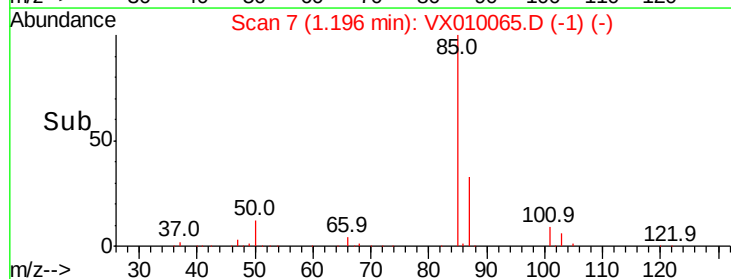
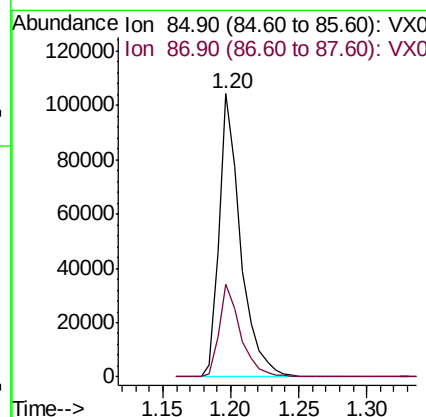
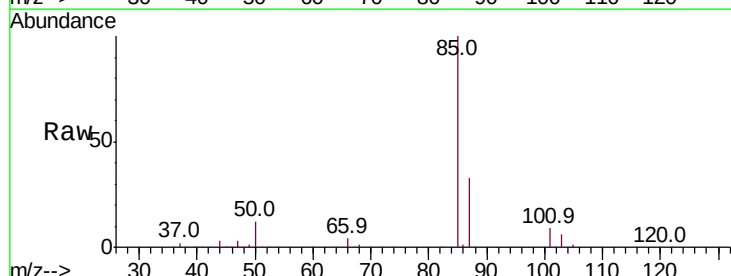
Manual Integrations
APPROVED

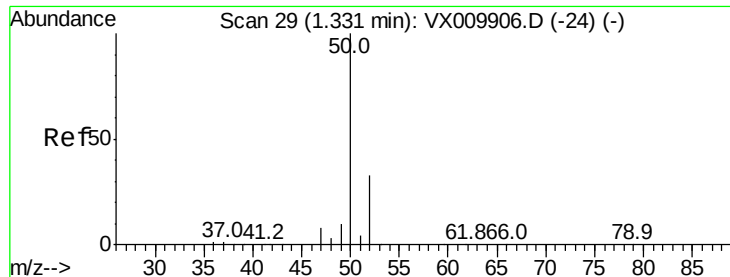
MMDadoda
6/6/2019 9:32:02 AM



#2
Dichlorodifluoromethane
Concen: 57.292 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Tgt Ion: 85 Resp: 113607
Ion Ratio Lower Upper
85 100
87 32.5 16.1 48.3





#3

Chloromethane

Concen: 46.014 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 122664

Ion Ratio Lower Upper

50 100

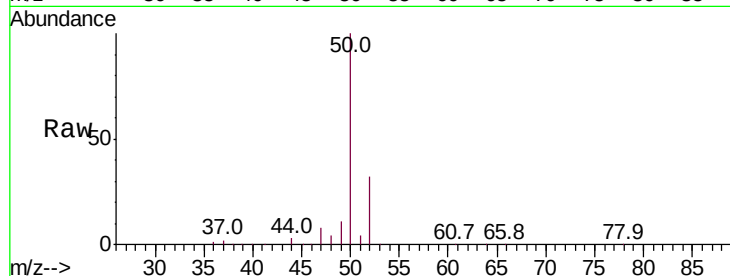
52 32.2 25.9 38.9

Manual Integrations

APPROVED

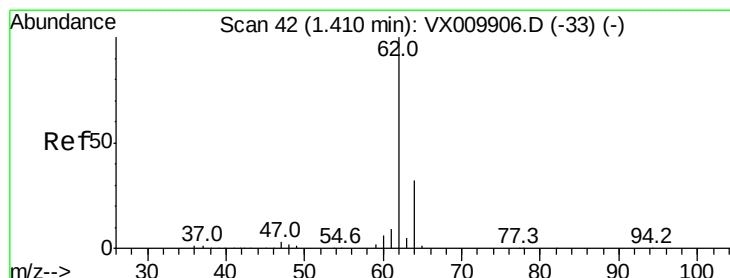
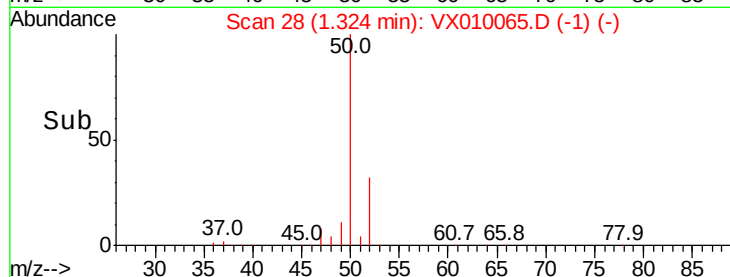
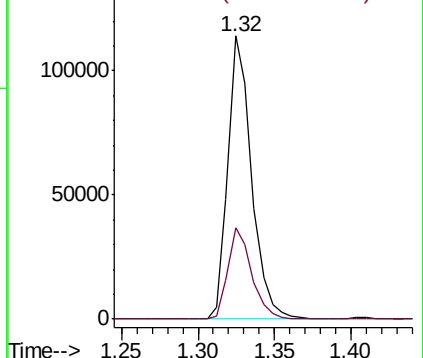
MMDadoda

6/6/2019 9:32:02 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 48.037 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010065.D

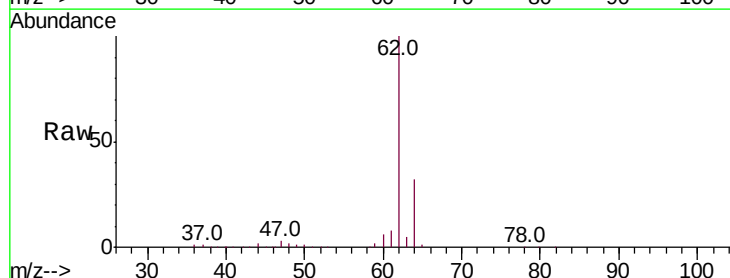
Acq: 05 Jun 2019 10:20

Tgt Ion: 62 Resp: 115441

Ion Ratio Lower Upper

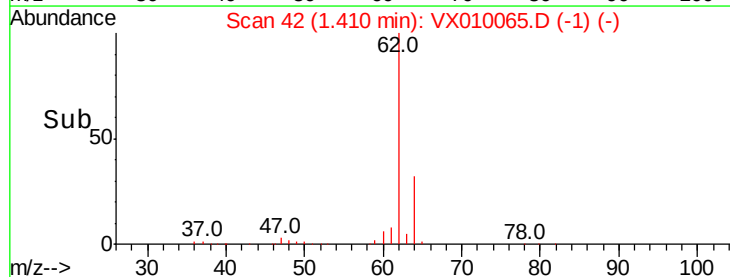
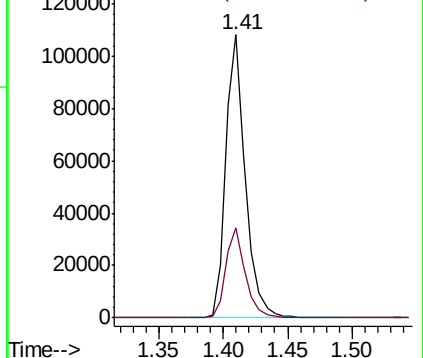
62 100

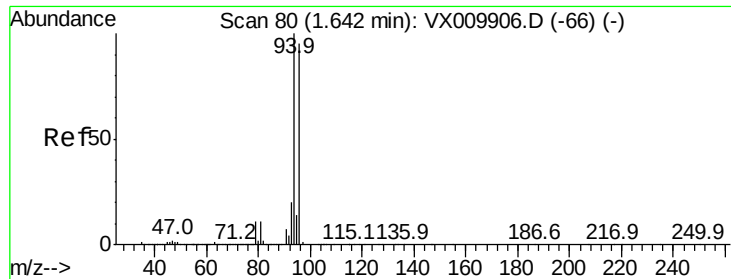
64 32.1 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 54.716 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 79667

Ion Ratio Lower Upper

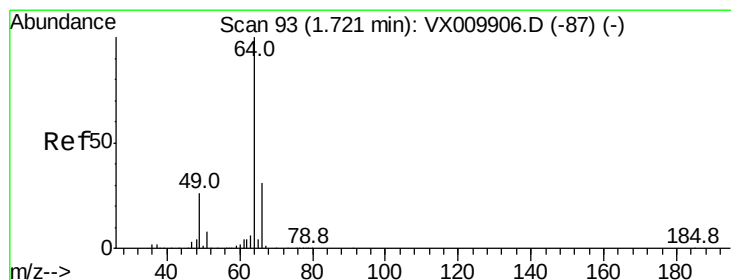
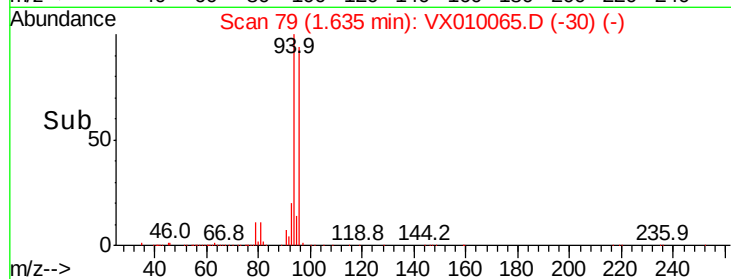
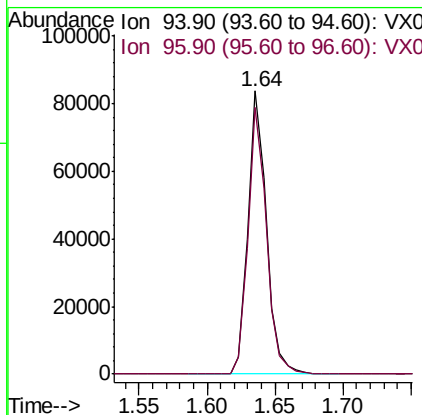
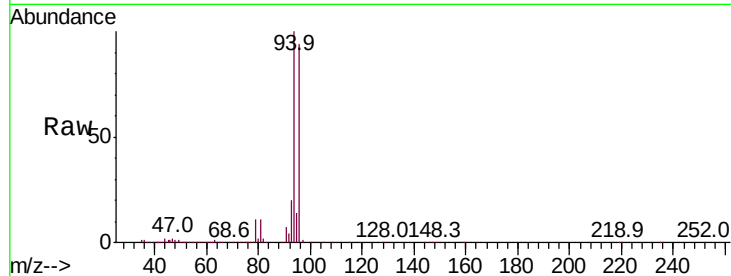
94 100

96 94.4 73.0 109.6

Manual Integrations
APPROVED

MMDadoda

6/6/2019 9:32:02 AM



#6

Chloroethane

Concen: 46.248 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX010065.D

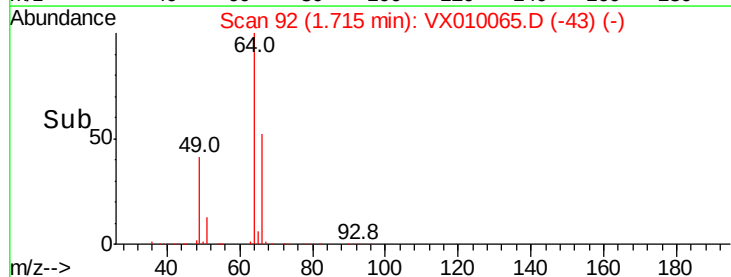
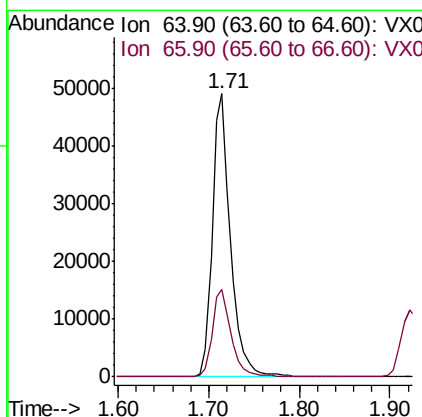
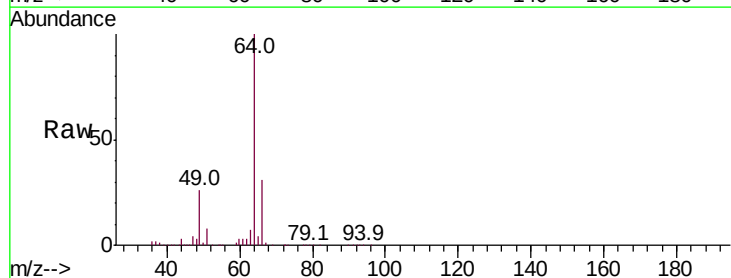
Acq: 05 Jun 2019 10:20

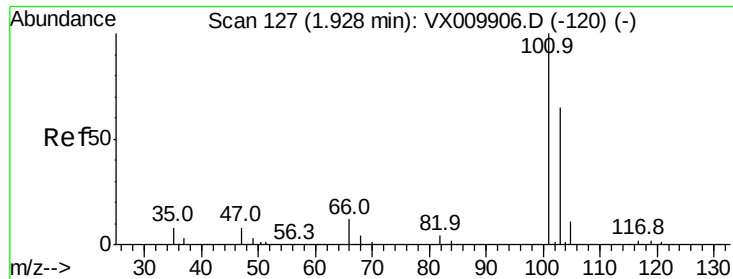
Tgt Ion: 64 Resp: 68417

Ion Ratio Lower Upper

64 100

66 30.9 25.3 37.9





#7

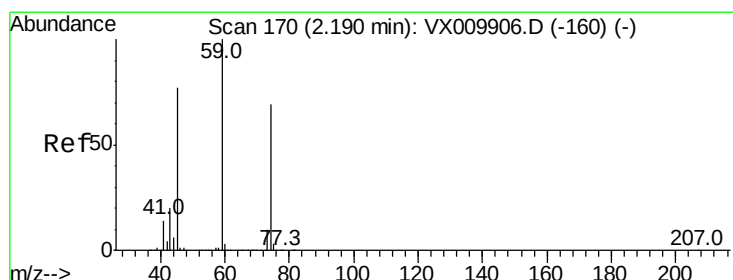
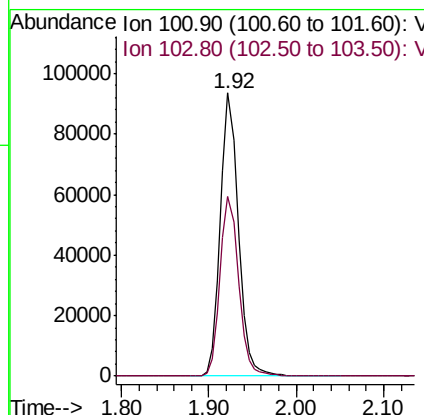
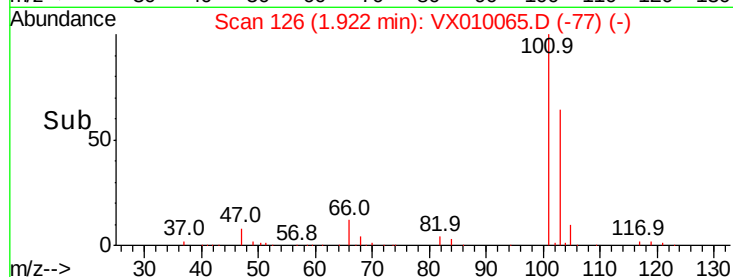
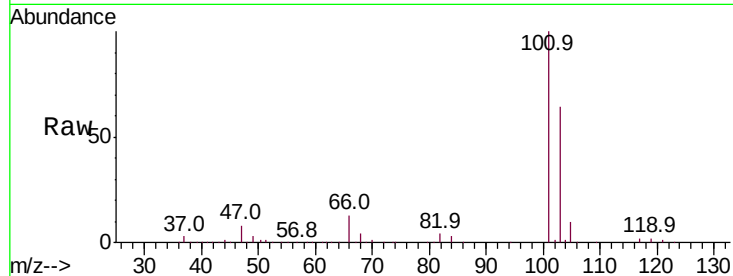
Trichlorofluoromethane
 Concen: 50.364 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX010065.D
 Acq: 05 Jun 2019 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 133746
 Ion Ratio Lower Upper
 101 100
 103 63.5 52.4 78.6

Manual Integrations
 APPROVED

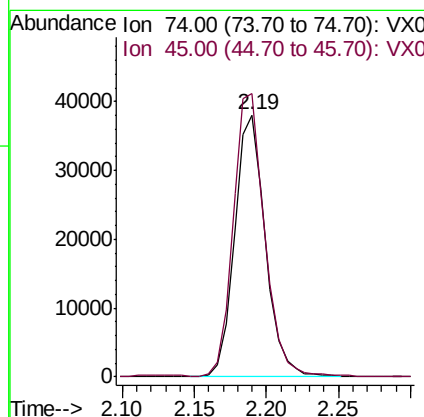
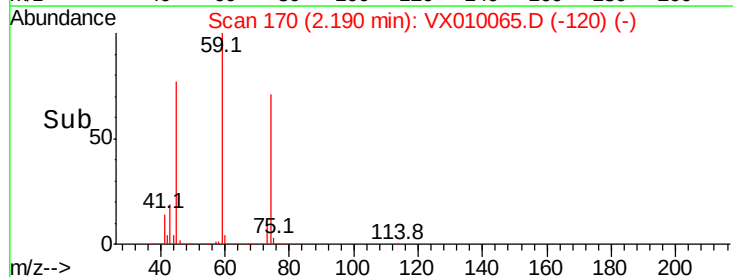
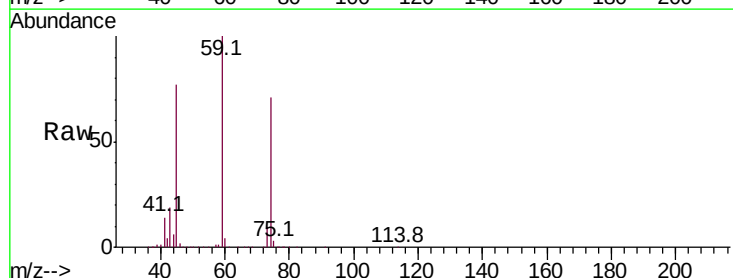
MMDadoda
 6/6/2019 9:32:02 AM

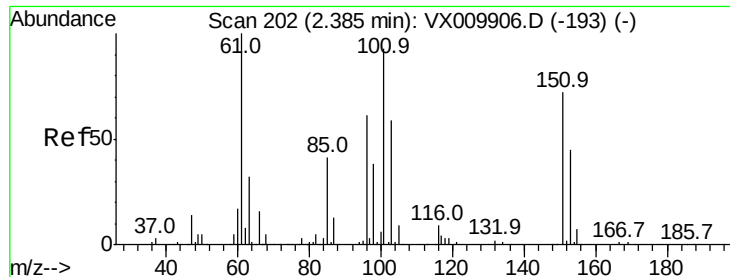


#8

Diethyl Ether
 Concen: 45.376 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX010065.D
 Acq: 05 Jun 2019 10:20

Tgt Ion: 74 Resp: 56626
 Ion Ratio Lower Upper
 74 100
 45 109.8 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.858 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Instrument :

MSVOA_X

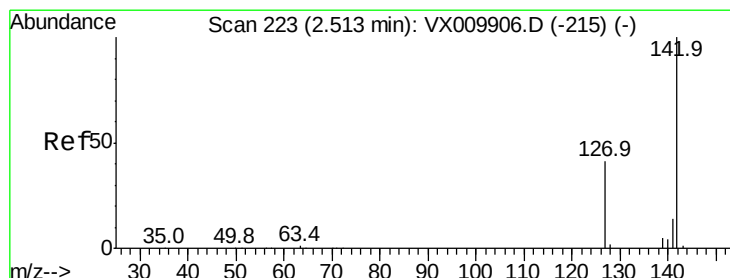
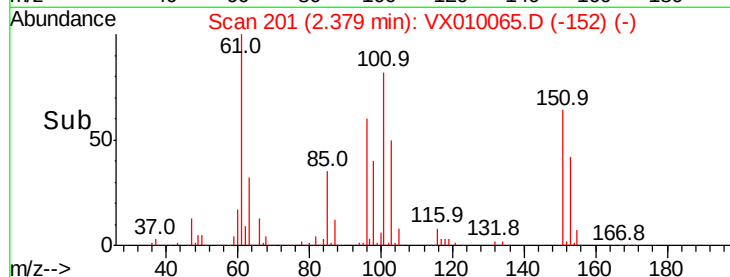
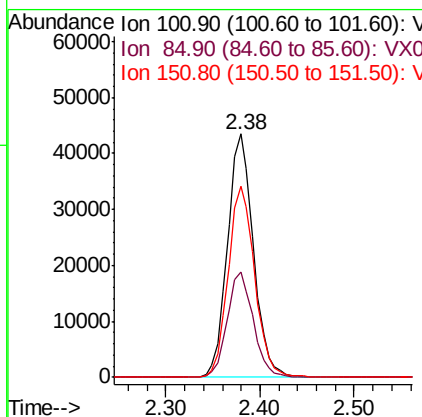
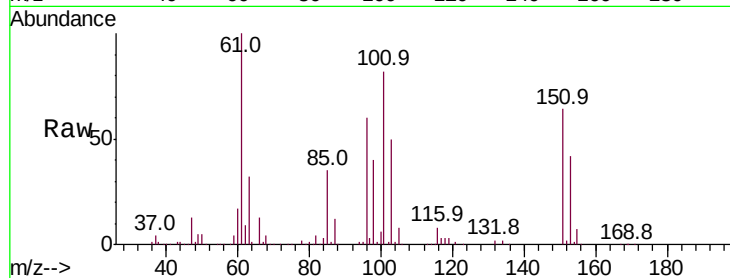
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	83144
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.7	53.5
151	80.4	62.2	93.2

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:02 AM



#10

Methyl Iodide

Concen: 45.630 ug/l

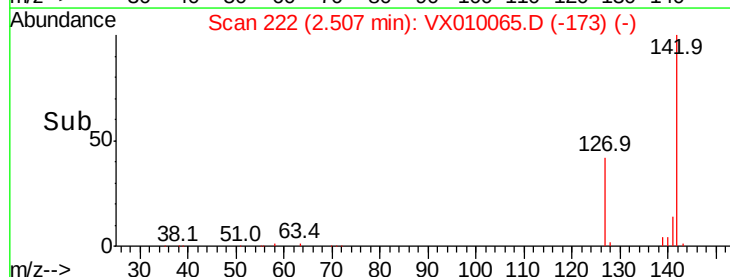
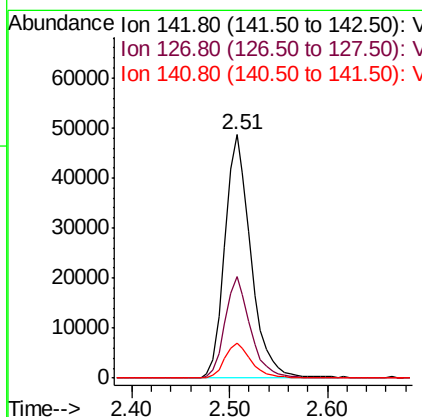
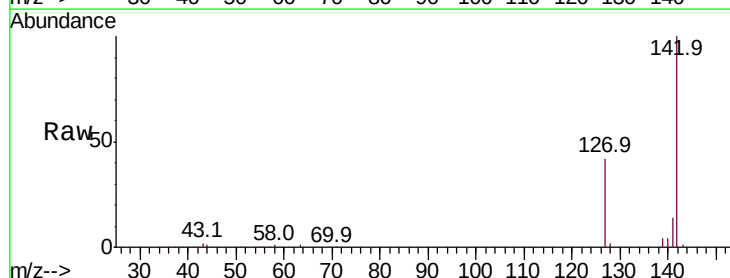
RT: 2.51 min Scan# 222

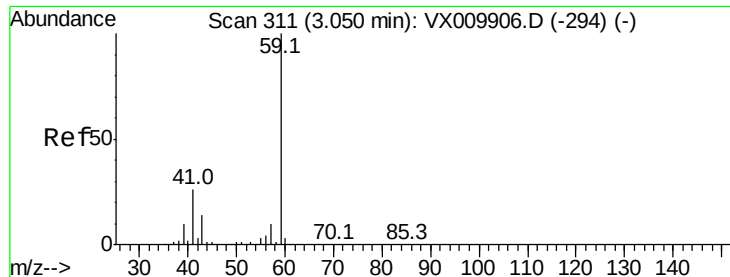
Delta R.T. 0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Tgt Ion:	142	Resp:	89700
Ion Ratio	Lower	Upper	
142	100		
127	40.9	32.7	49.1
141	14.8	11.5	17.3





#11

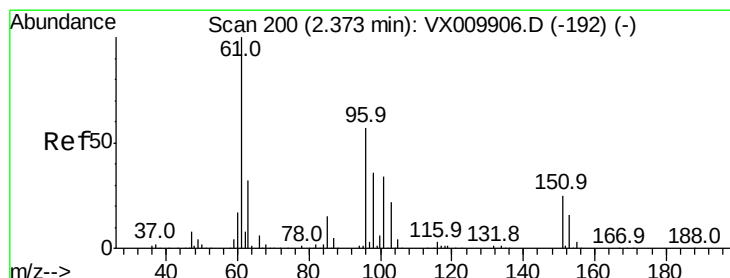
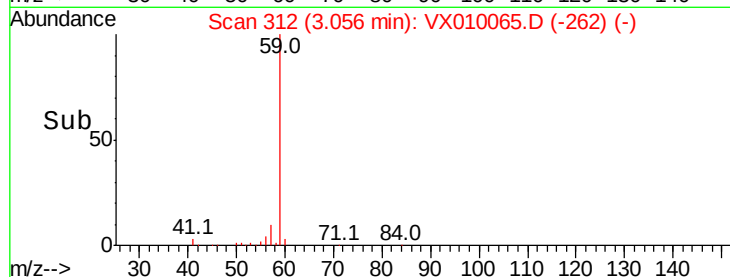
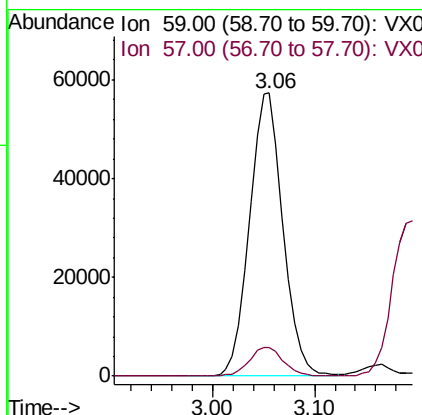
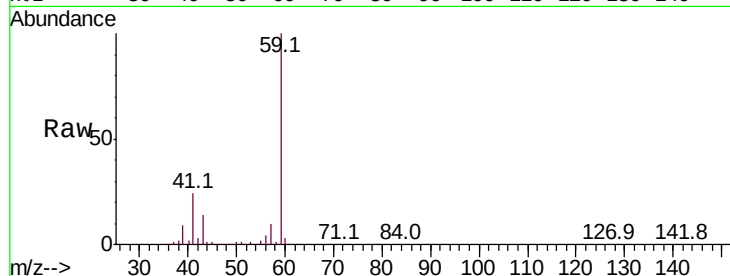
Tert butyl alcohol
Concen: 231.533 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

Manual Integrations
APPROVED

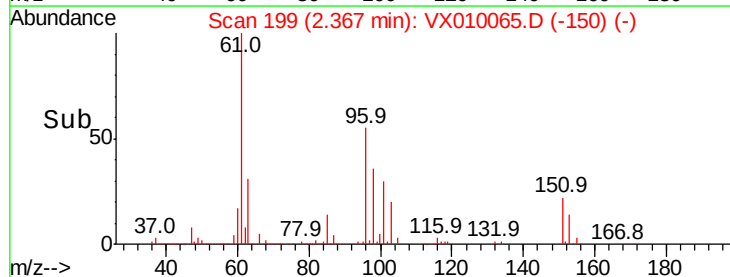
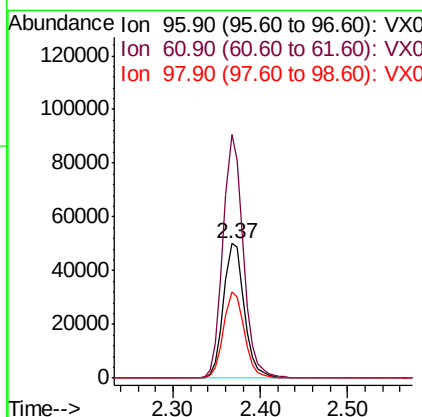
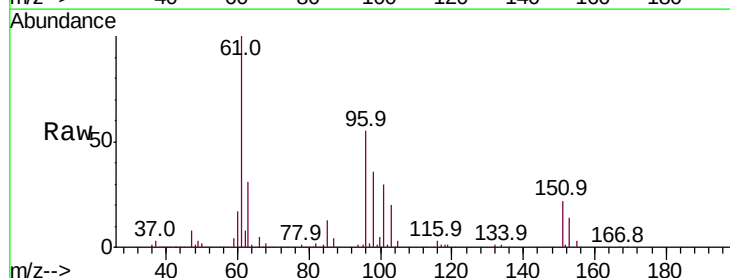
MMDadoda
6/6/2019 9:32:02 AM

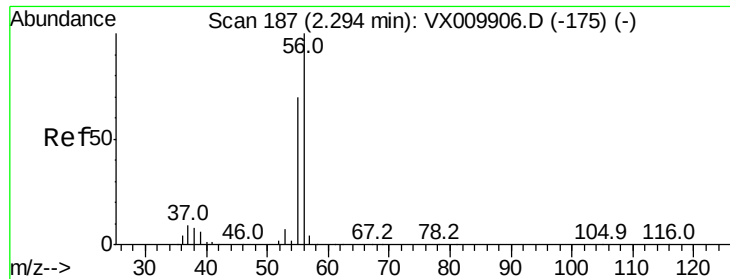


#12

1,1-Dichloroethene
Concen: 50.582 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.7	144.3	216.5
98	64.4	50.3	75.5





#13

Acrolein

Concen: 230.118 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 91284

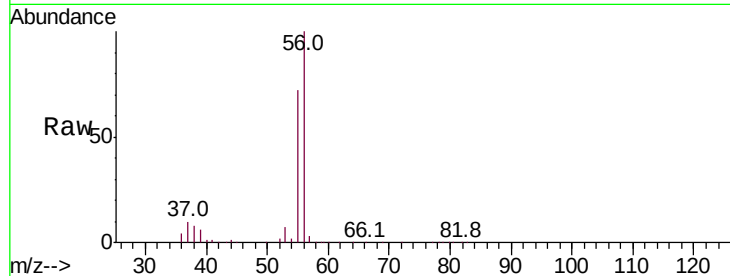
Ion Ratio Lower Upper

56 100

55 71.6 56.6 85.0

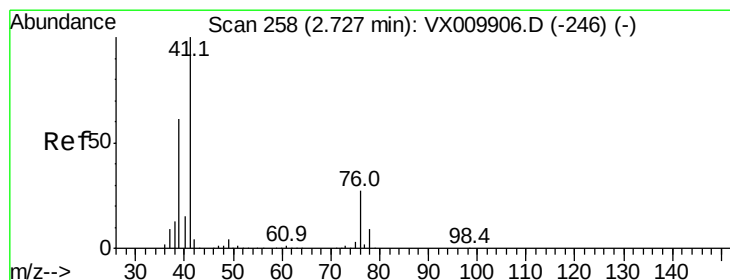
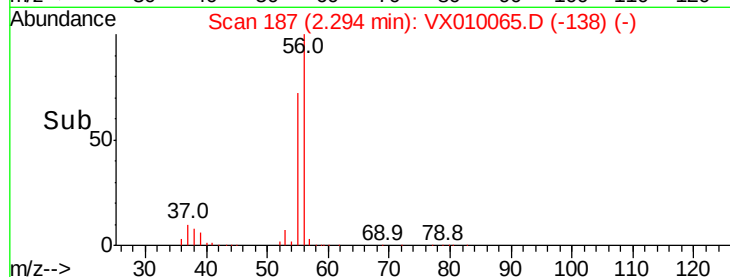
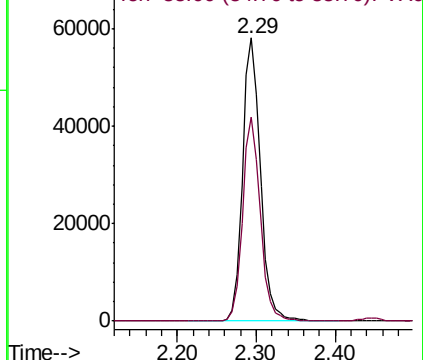
Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:02 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 49.459 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

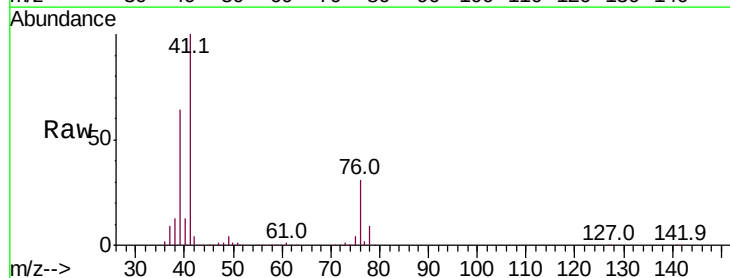
Tgt Ion: 41 Resp: 197554

Ion Ratio Lower Upper

41 100

39 59.8 46.7 70.1

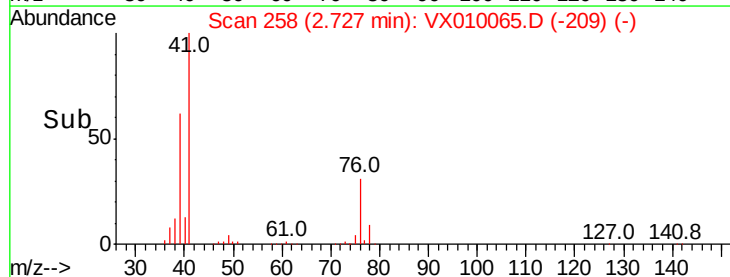
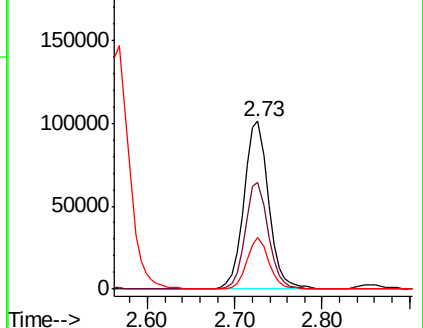
76 26.9 21.8 32.8

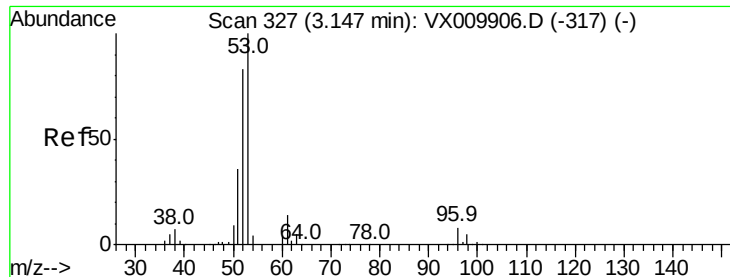


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 232.678 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Instrument :

MSVOA_X

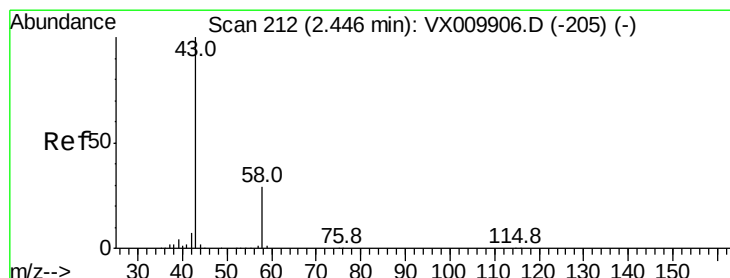
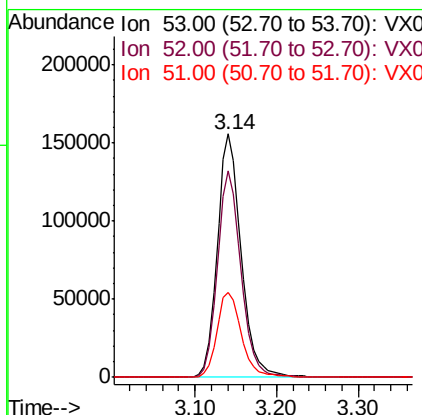
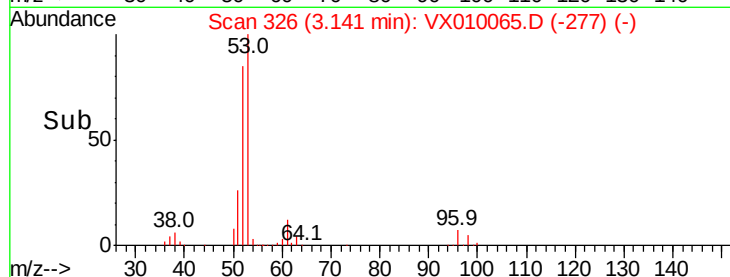
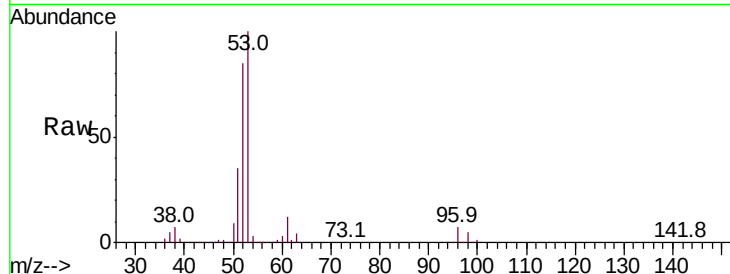
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	316266
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.9	100.3
51	36.0	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:02 AM



#16

Acetone

Concen: 254.003 ug/l

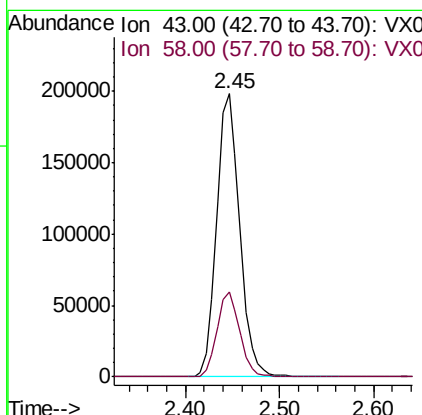
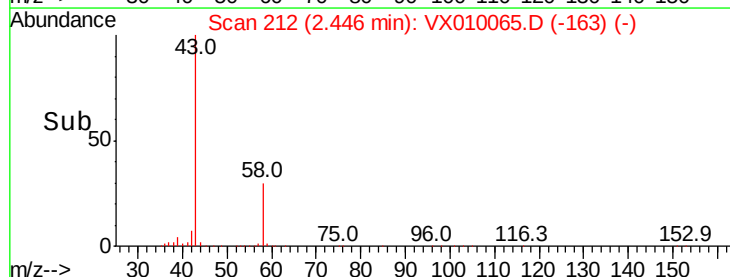
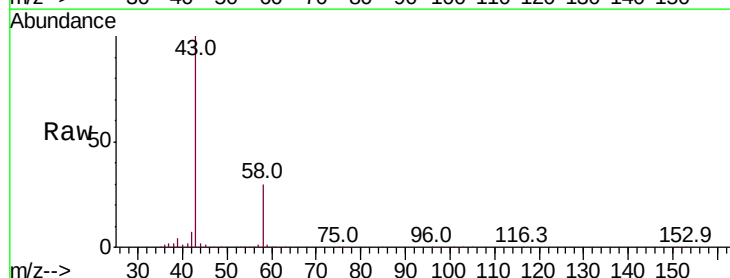
RT: 2.45 min Scan# 212

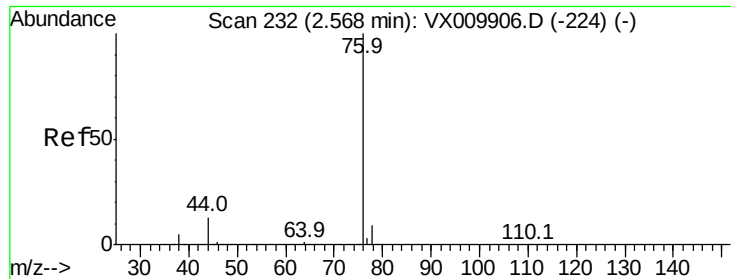
Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Tgt Ion:	43	Resp:	336406
Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.9	37.3





#17

Carbon Disulfide

Concen: 51.424 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 255949

Ion Ratio Lower Upper

76 100

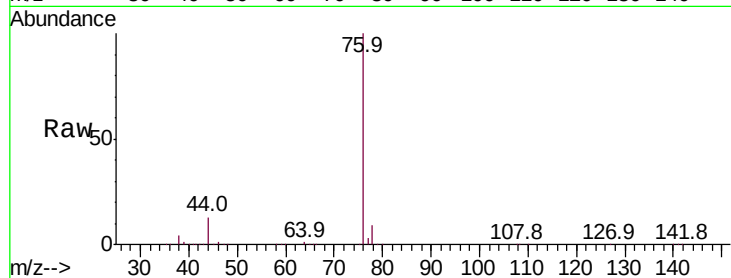
78 9.3 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

6/6/2019 9:32:02 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

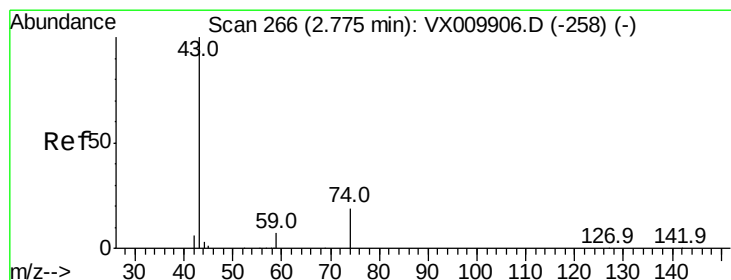
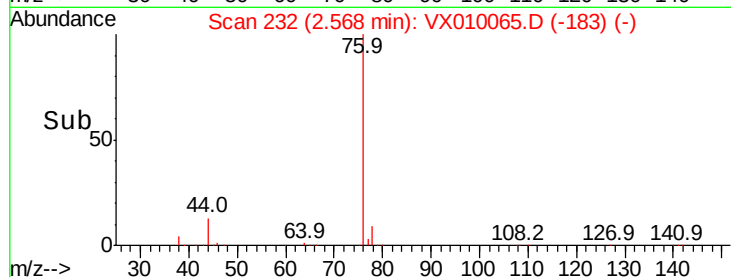
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 45.689 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX010065.D

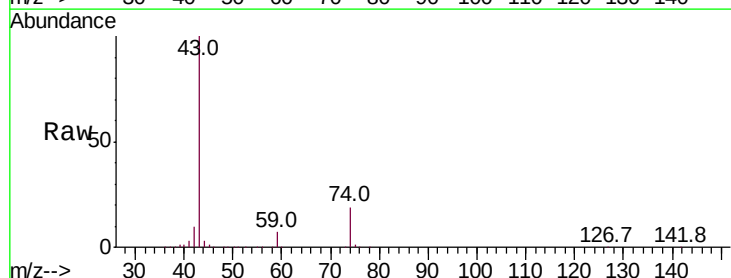
Acq: 05 Jun 2019 10:20

Tgt Ion: 43 Resp: 140801

Ion Ratio Lower Upper

43 100

74 19.9 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

80000

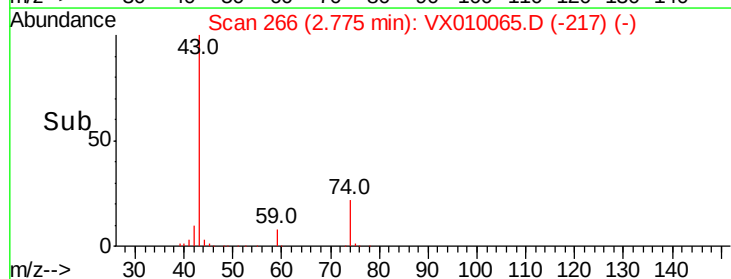
60000

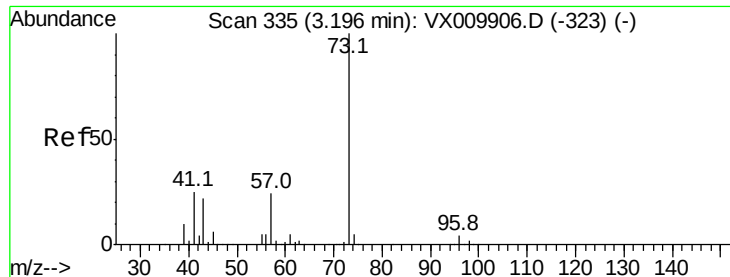
40000

20000

0

Time-->





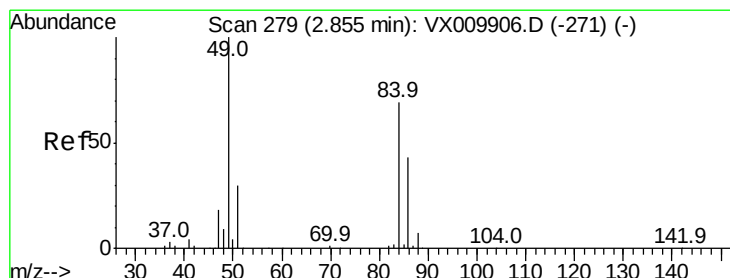
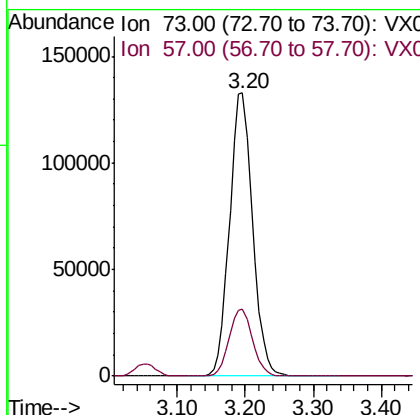
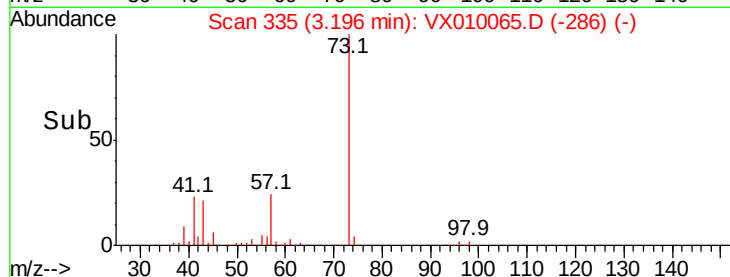
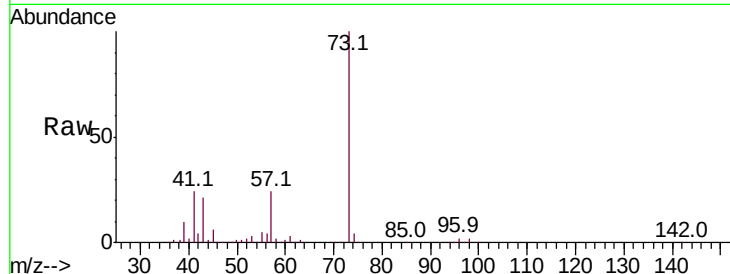
#19
Methyl tert-butyl Ether
Concen: 50.361 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.6	19.3	28.9

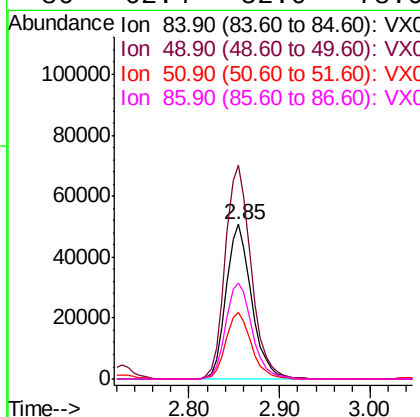
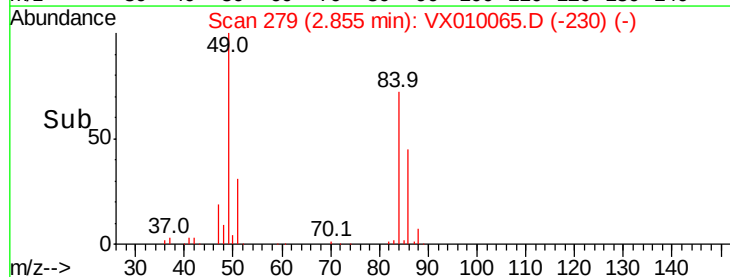
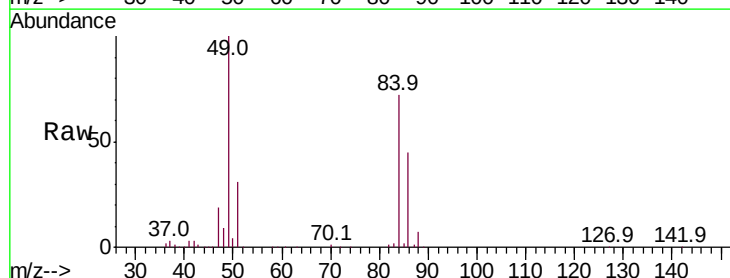
Manual Integrations
APPROVED

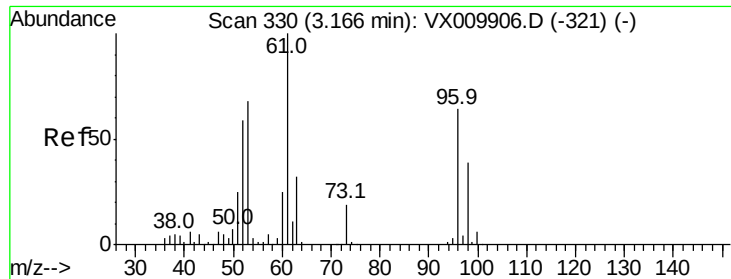
MMDadoda
6/6/2019 9:32:02 AM



#20
Methylene Chloride
Concen: 48.728 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.3	109.9	164.9
51	43.4	32.7	49.1
86	62.4	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 49.869 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Instrument :

MSVOA_X

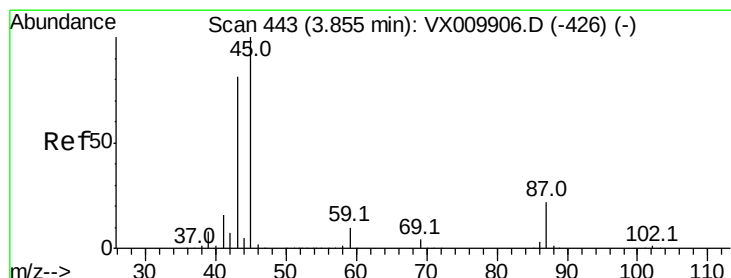
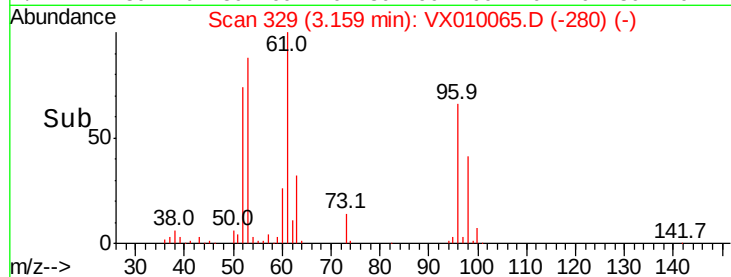
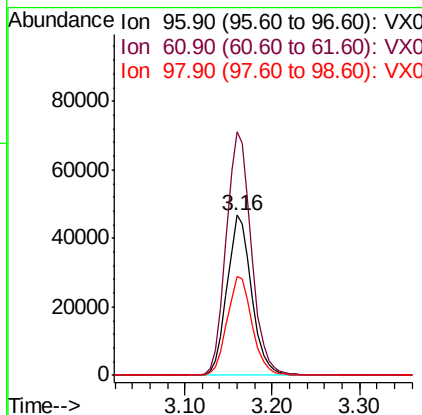
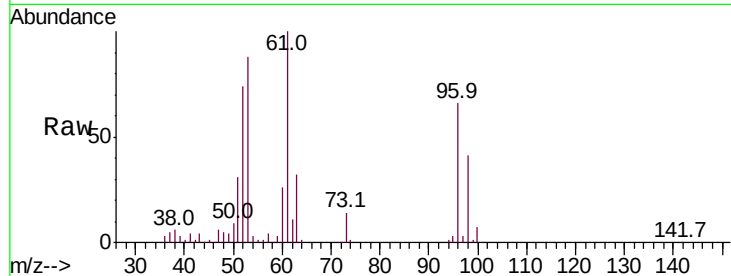
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	91189
Ion	Ratio	Lower	Upper
96	100		
61	151.8	124.5	186.7
98	61.9	50.4	75.6

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:02 AM



#22

Diisopropyl ether

Concen: 49.588 ug/l

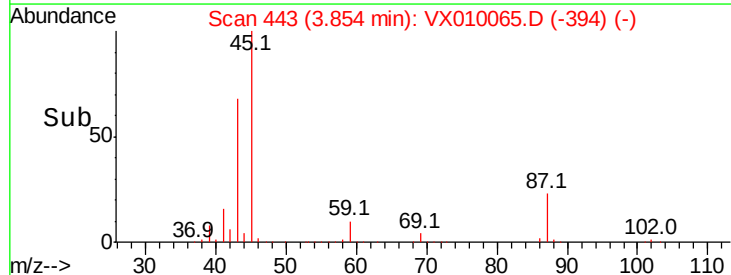
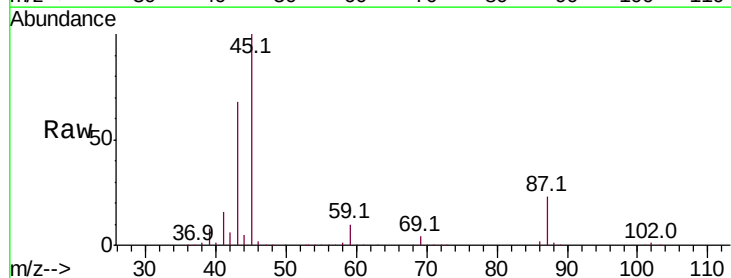
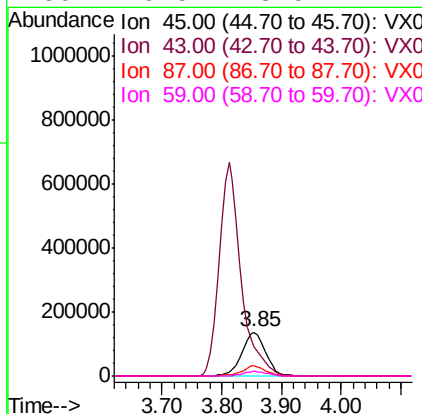
RT: 3.85 min Scan# 443

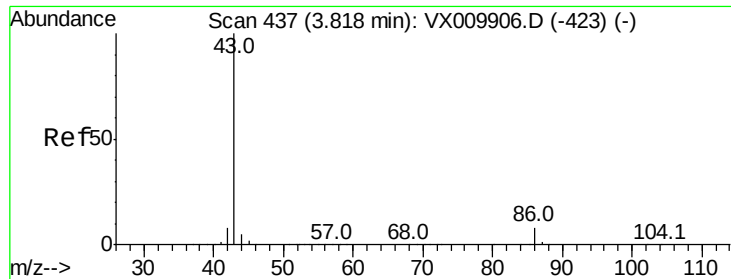
Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Tgt Ion:	45	Resp:	376862
Ion	Ratio	Lower	Upper
45	100		
43	68.2	56.1	84.1
87	23.1	18.1	27.1
59	10.5	8.5	12.7





#23

Vinyl Acetate

Concen: 248.886 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1699220

Ion Ratio Lower Upper

43 100

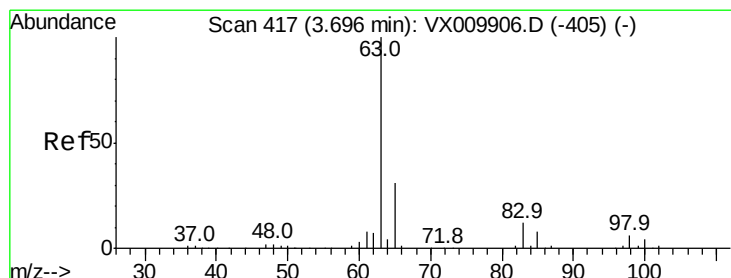
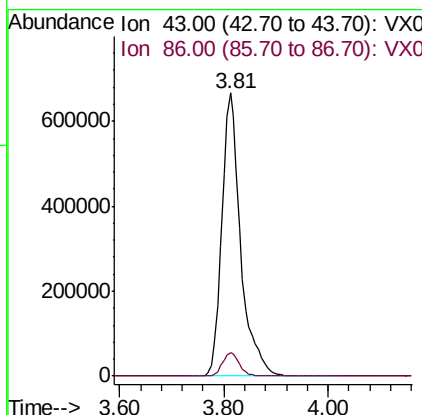
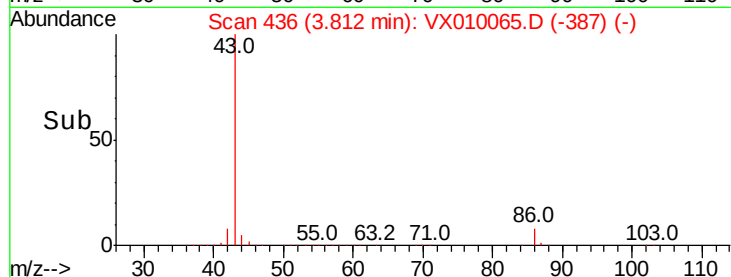
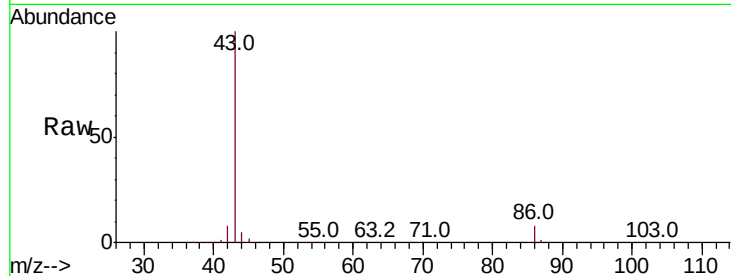
86 8.4 6.9 10.3

Manual Integrations

APPROVED

MMDadoda

6/6/2019 9:32:02 AM



#24

1,1-Dichloroethane

Concen: 49.740 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

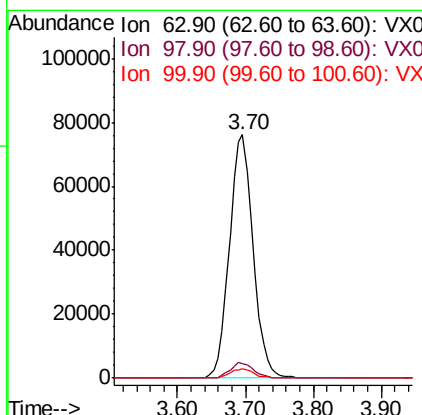
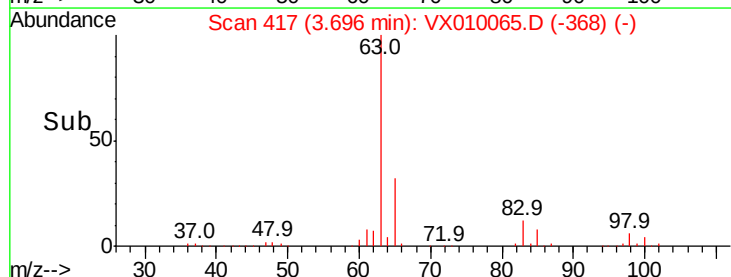
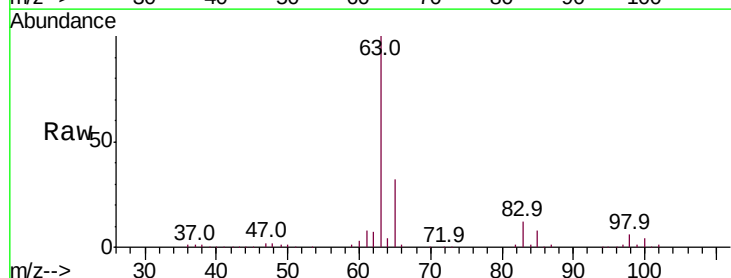
Tgt Ion: 63 Resp: 183196

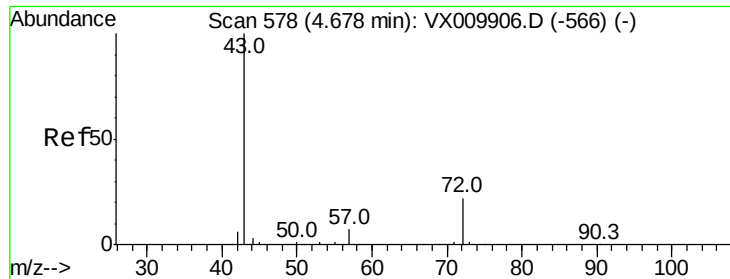
Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 241.001 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 497286

Ion Ratio Lower Upper

43 100

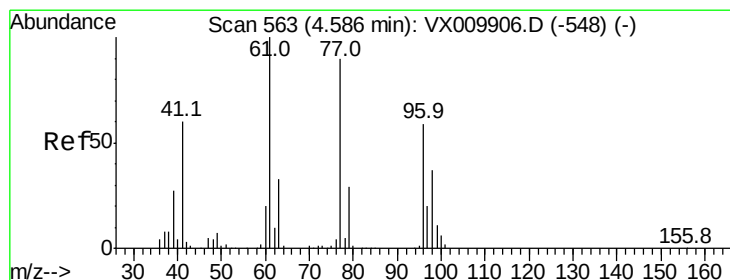
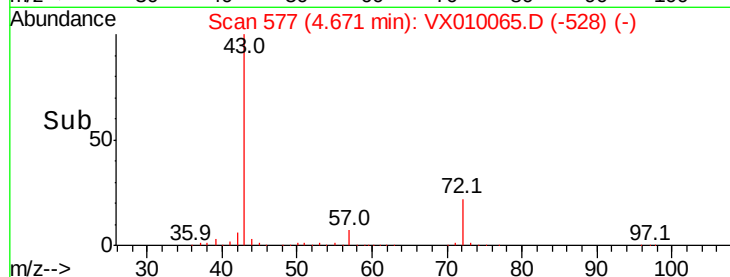
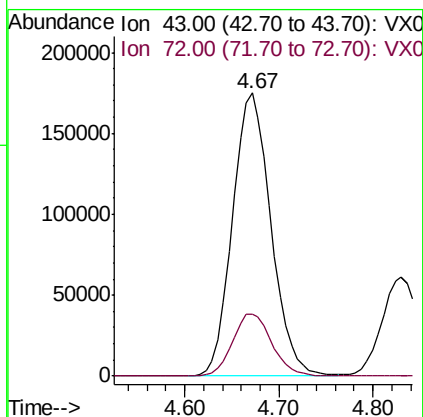
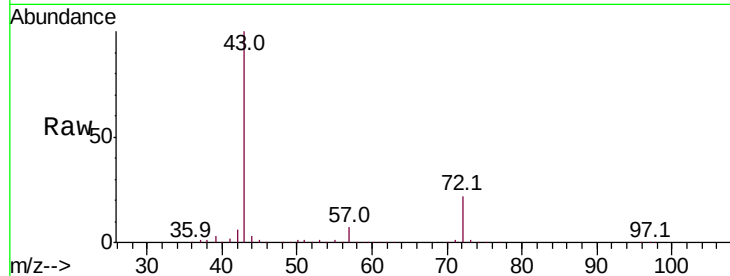
72 22.0 18.2 27.2

Manual Integrations

APPROVED

MMDadoda

6/6/2019 9:32:02 AM



#26

2,2-Dichloropropane

Concen: 52.014 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX010065.D

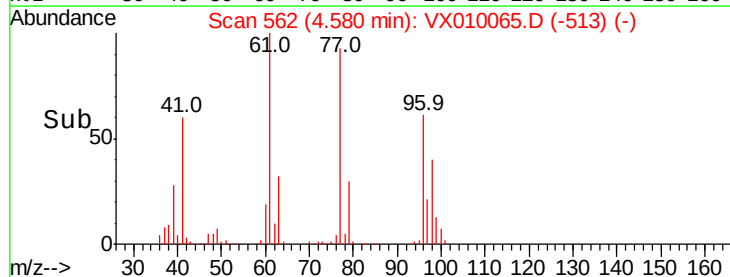
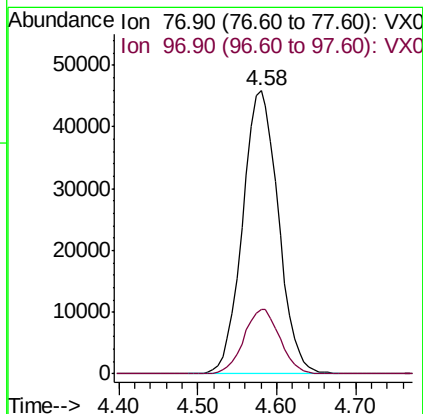
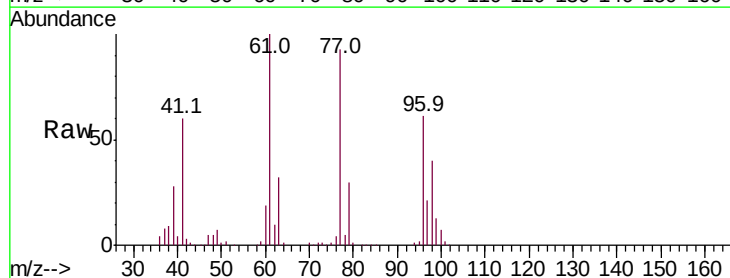
Acq: 05 Jun 2019 10:20

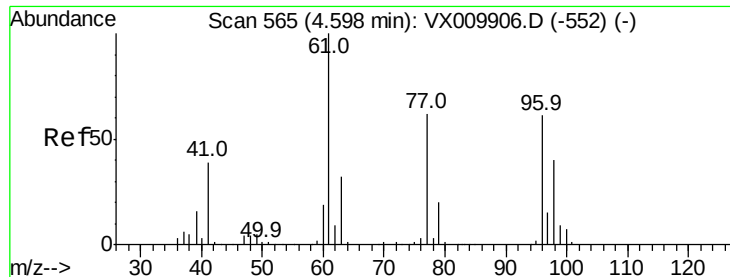
Tgt Ion: 77 Resp: 144915

Ion Ratio Lower Upper

77 100

97 22.8 11.5 34.4





#27

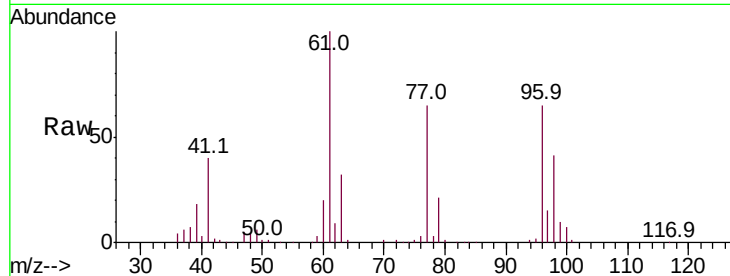
cis-1,2-Dichloroethene
Concen: 49.023 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	103476		
61	162.3	0.0	324.0	
98	65.4	0.0	130.4	

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:02 AM

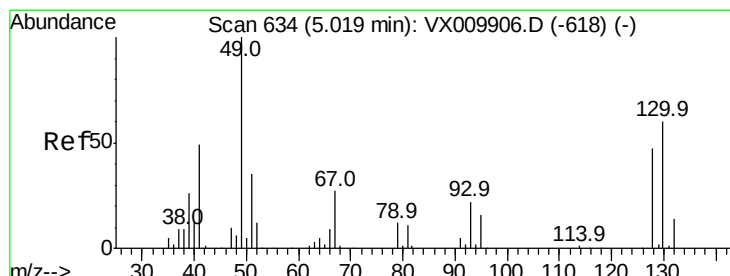
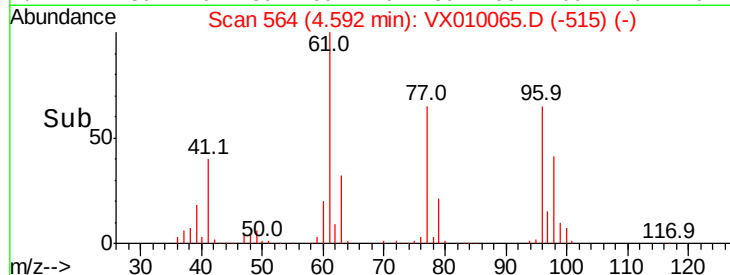
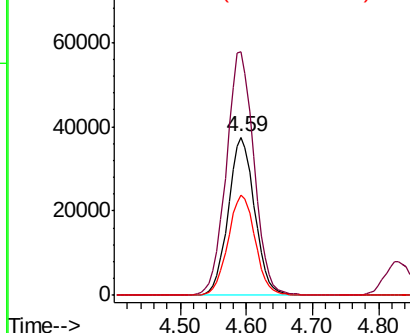


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

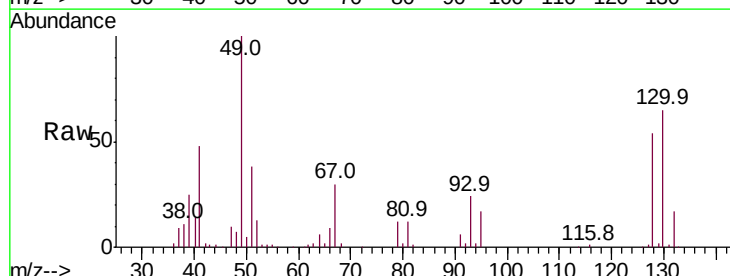
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 45.236 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	86456		
129	1.8	0.0	3.8	
130	64.3	51.2	76.8	

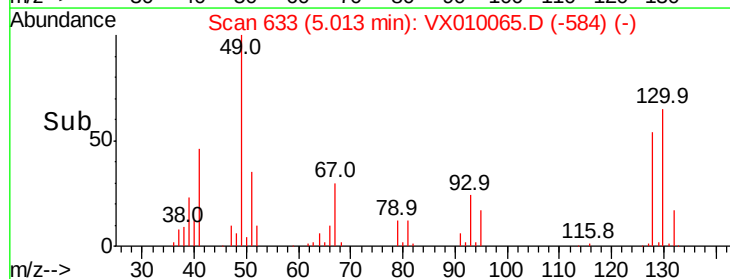
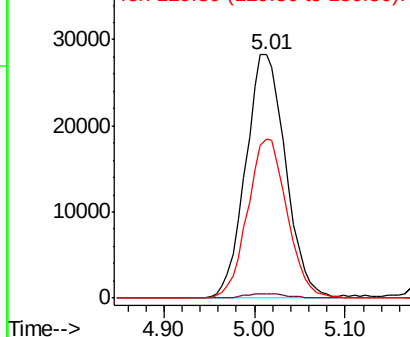


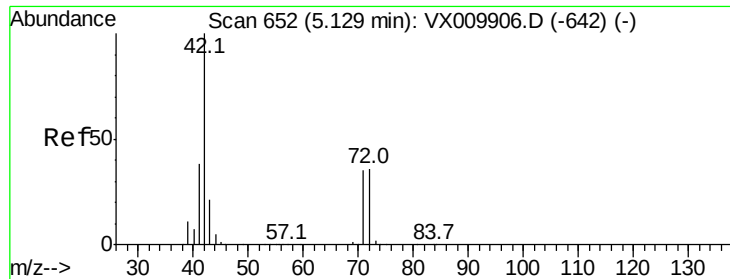
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





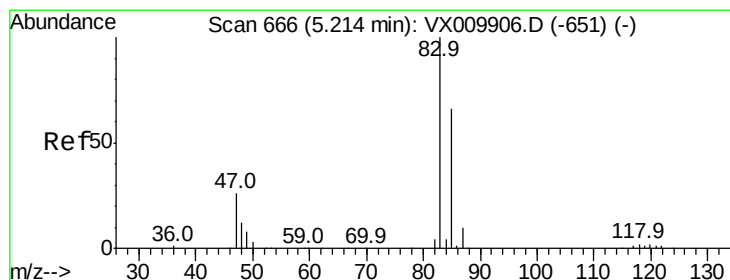
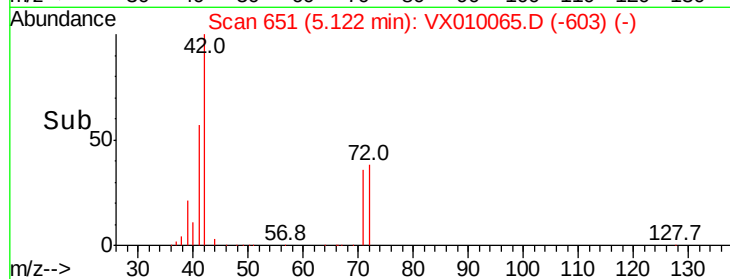
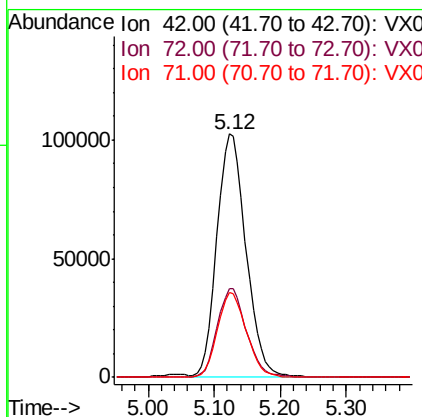
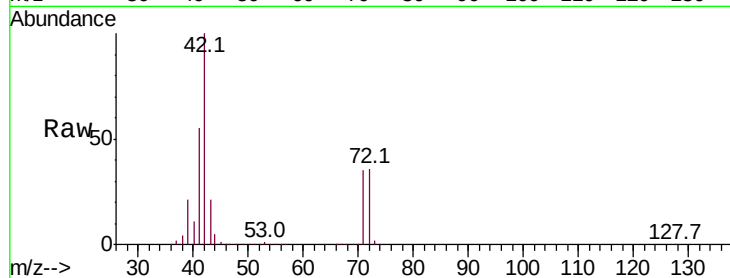
#29
Tetrahydrofuran
Concen: 235.624 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100	311775		
72	37.1		30.4	45.6
71	34.7		28.6	43.0

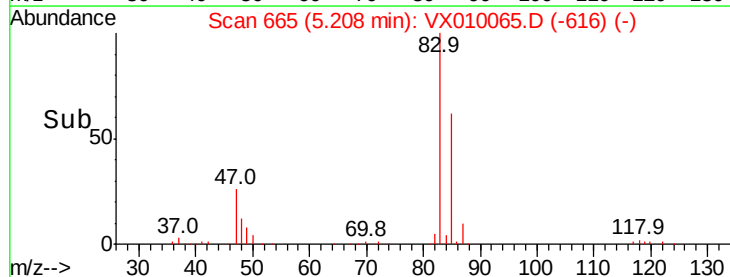
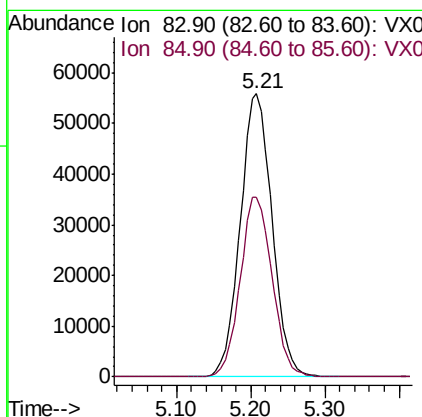
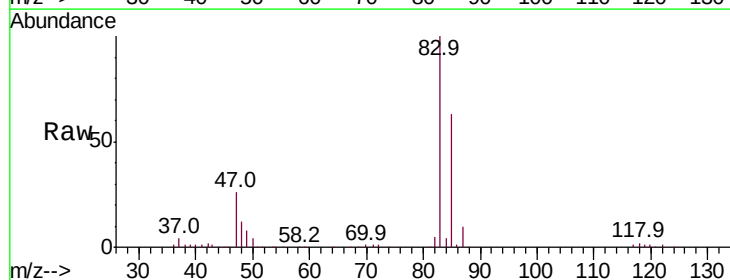
Manual Integrations
APPROVED

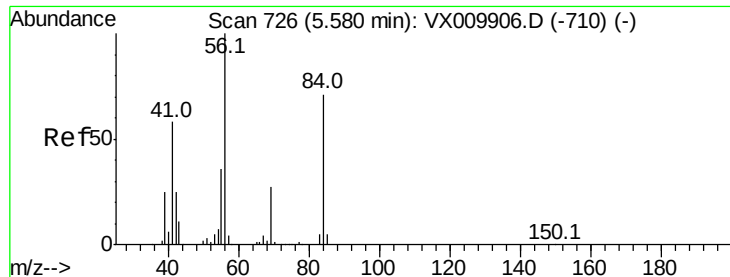
MMDadoda
6/6/2019 9:32:02 AM



#30
Chloroform
Concen: 50.469 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	167635		
85	63.4		51.5	77.3





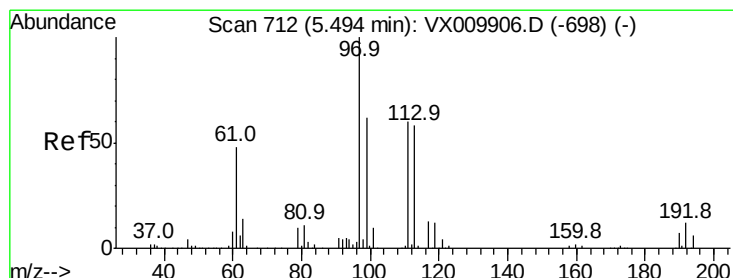
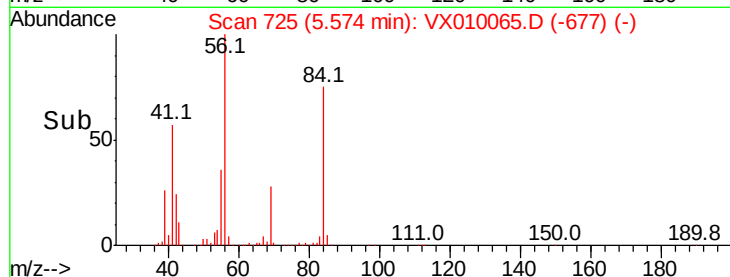
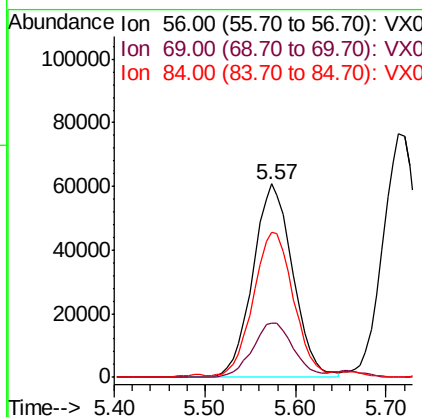
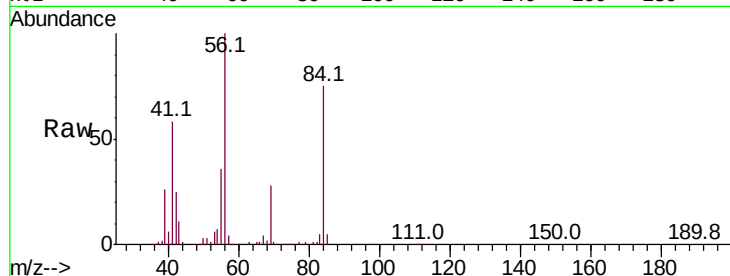
#31
Cyclohexane
Concen: 52.956 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.9	23.4	35.0
84	73.7	61.9	92.9

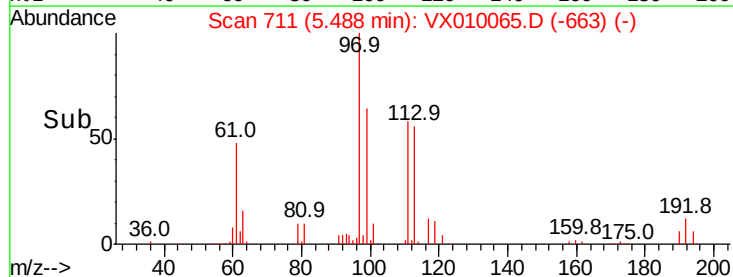
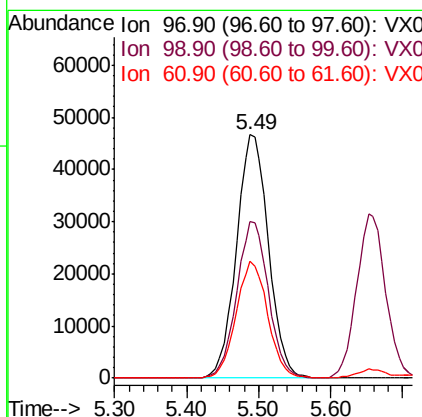
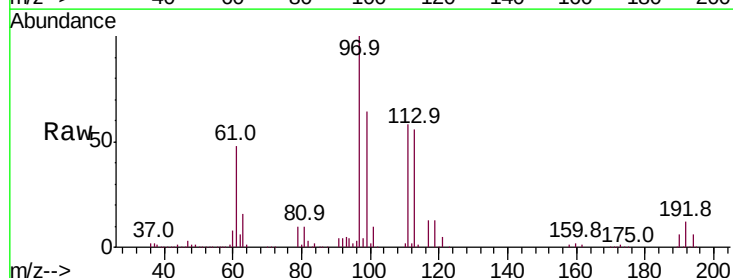
Manual Integrations
APPROVED

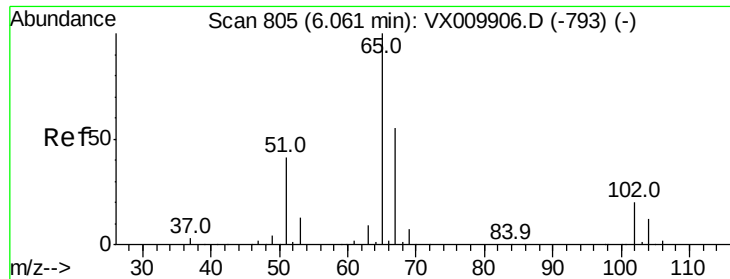
MMDadoda
6/6/2019 9:32:02 AM



#32
1,1,1-Trichloroethane
Concen: 53.198 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.8
61	47.5	37.8	56.8





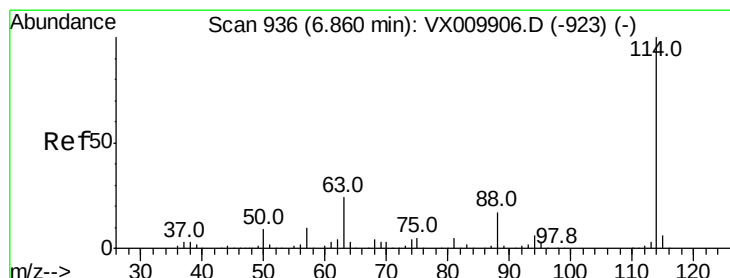
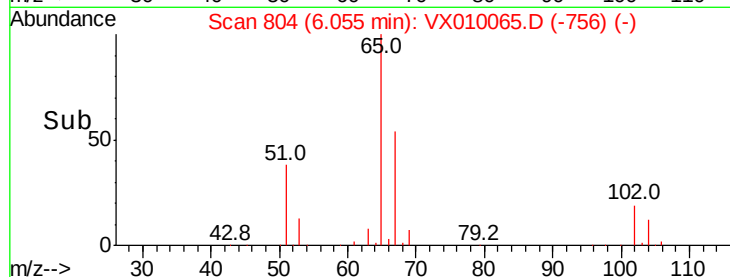
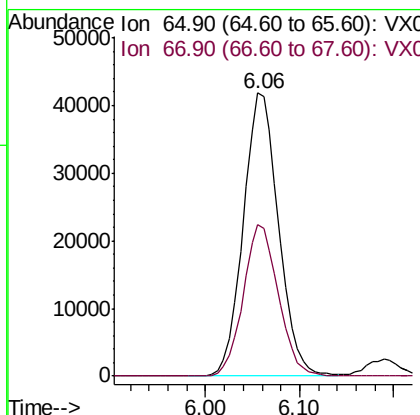
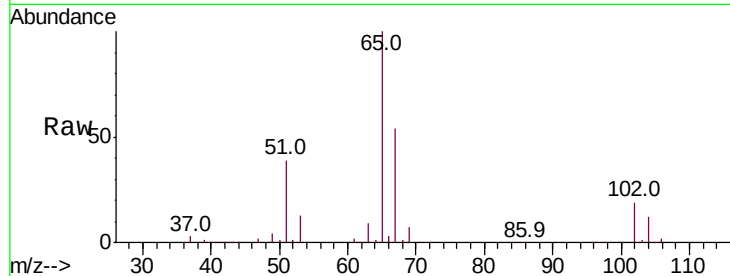
#33
 1,2-Dichloroethane-d4
 Concen: 47.866 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX010065.D
 Acq: 05 Jun 2019 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	109721		
67	53.2	0.0	106.6	

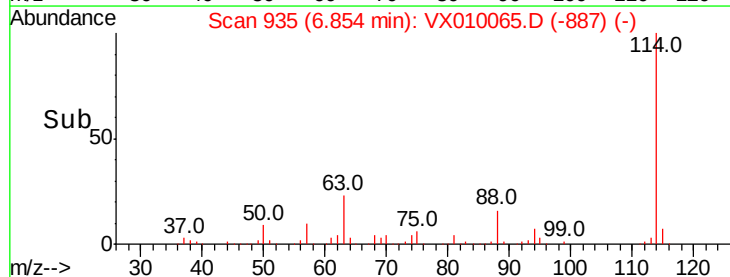
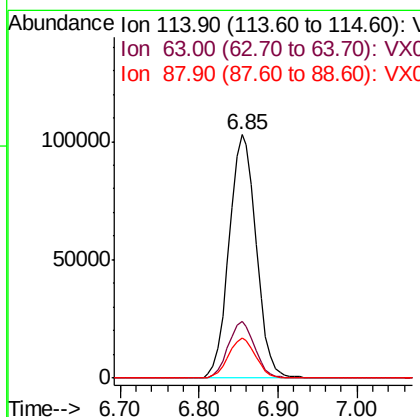
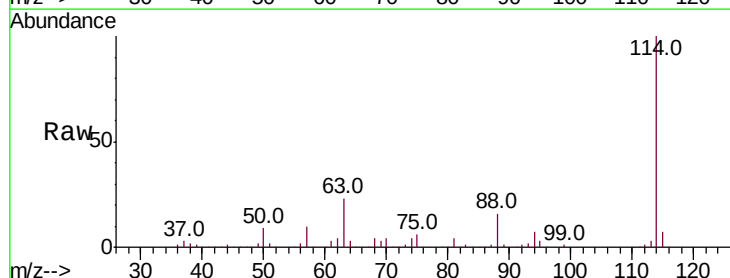
Manual Integrations
 APPROVED

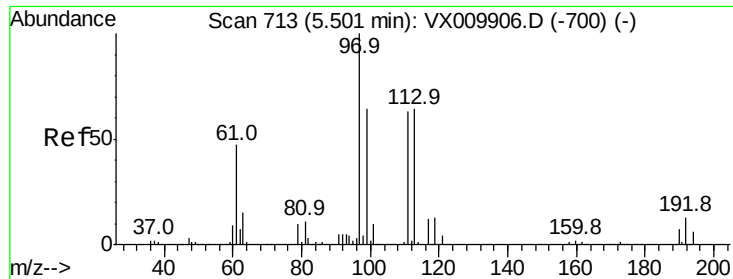
MMDadoda
 6/6/2019 9:32:02 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010065.D
 Acq: 05 Jun 2019 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	246075		
63	23.2	0.0	45.6	
88	16.4	0.0	33.2	





#35

Dibromofluoromethane

Concen: 52.467 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Instrument :

MSVOA_X

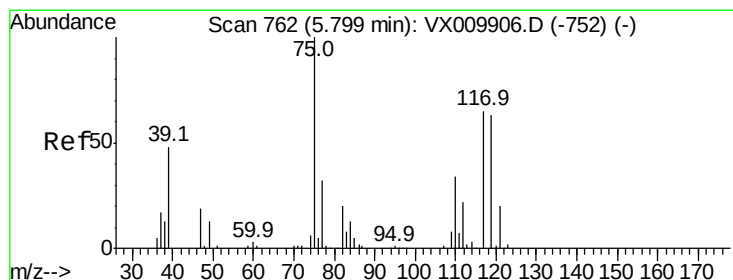
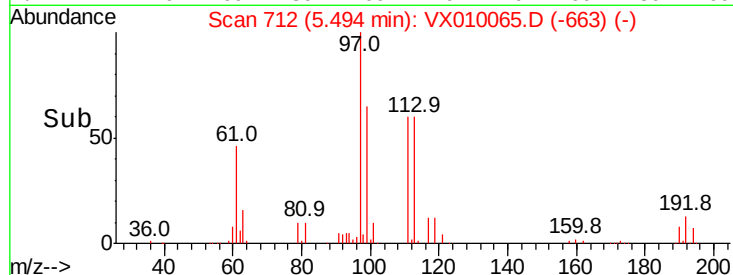
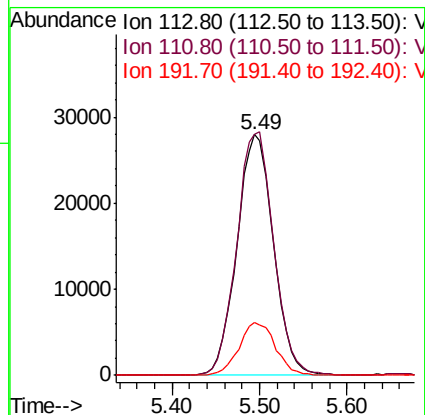
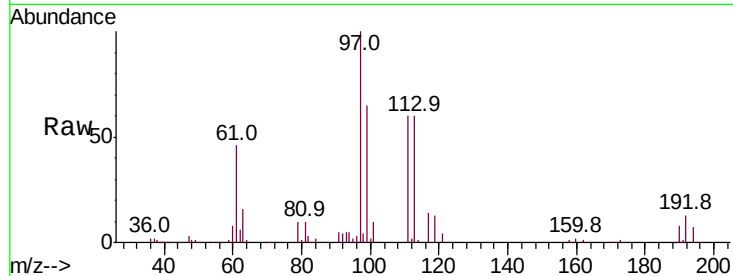
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.8	124.2
192	21.9	17.0	25.6

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:02 AM



#36

1,1-Dichloropropene

Concen: 53.972 ug/l

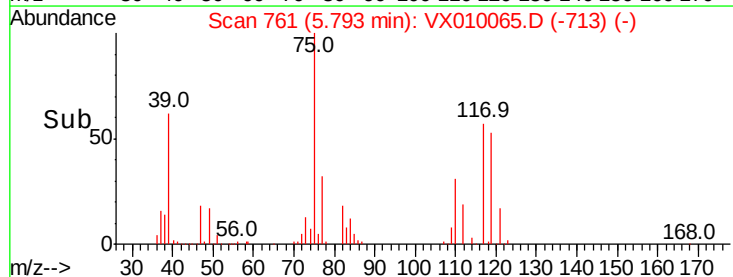
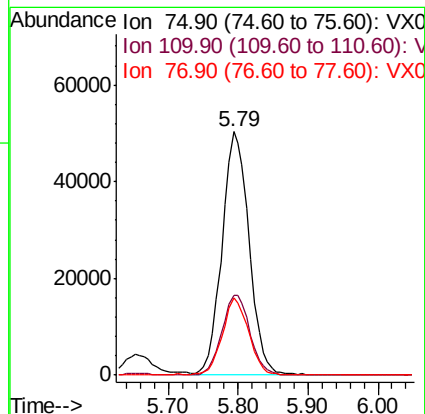
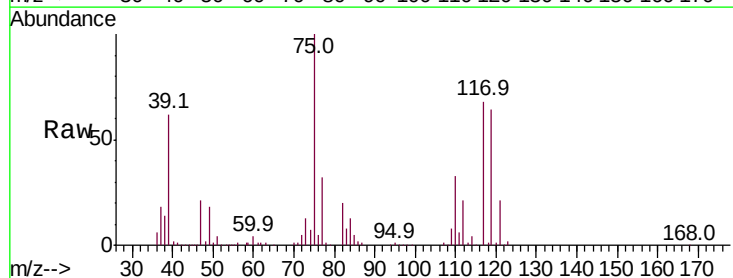
RT: 5.79 min Scan# 761

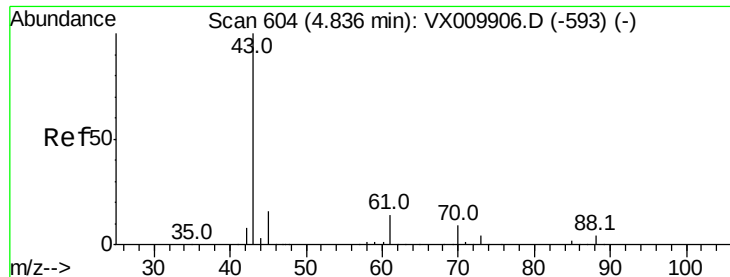
Delta R.T. -0.01 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.6
77	30.9	24.8	37.2





#37

Ethyl Acetate

Concen: 51.494 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Instrument :

MSVOA_X

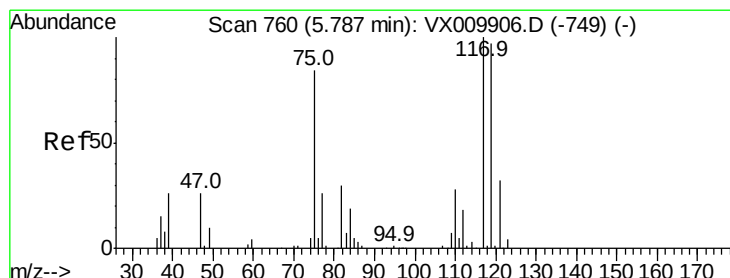
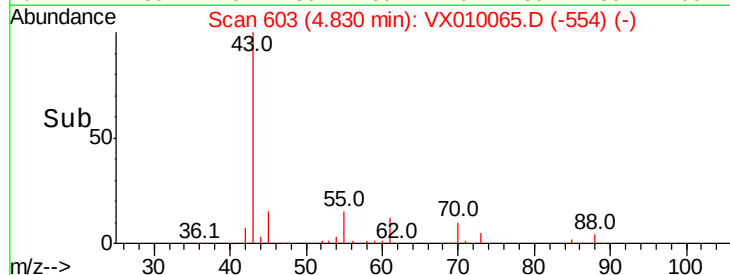
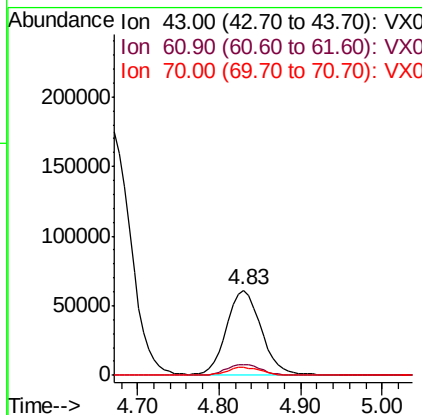
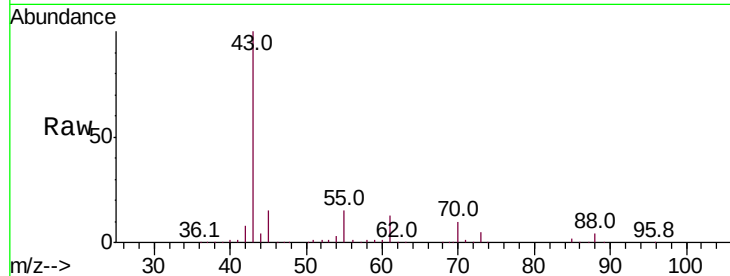
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	179139
Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.5	15.7
70	9.4	7.9	11.9

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:02 AM



#38

Carbon Tetrachloride

Concen: 56.529 ug/l

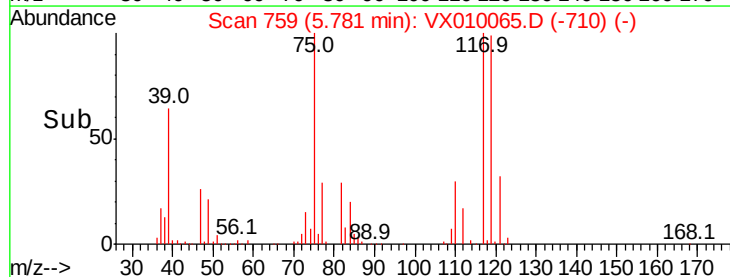
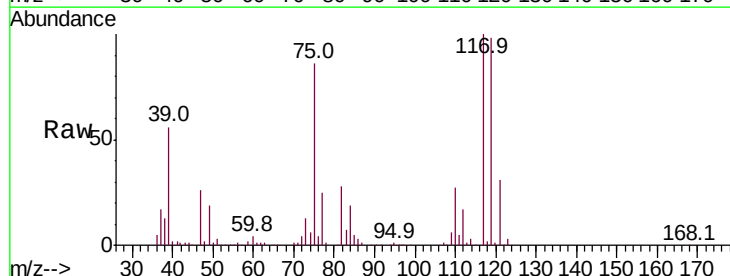
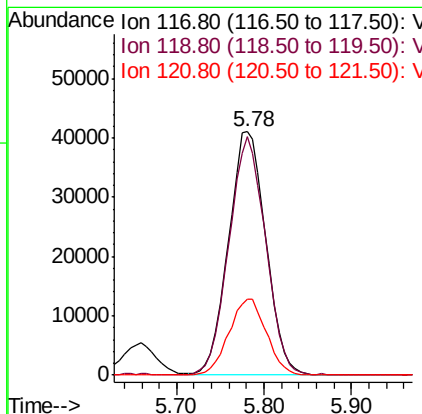
RT: 5.78 min Scan# 759

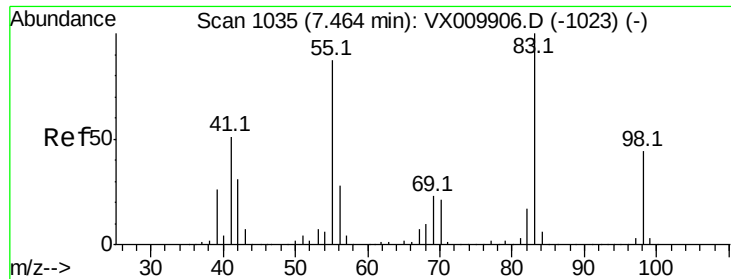
Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Tgt Ion:	117	Resp:	121962
Ion	Ratio	Lower	Upper
117	100		
119	98.0	77.5	116.3
121	31.3	24.7	37.1





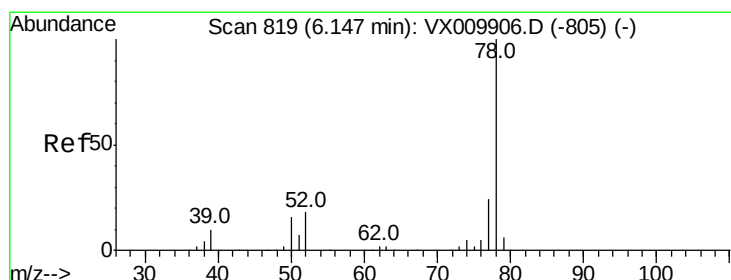
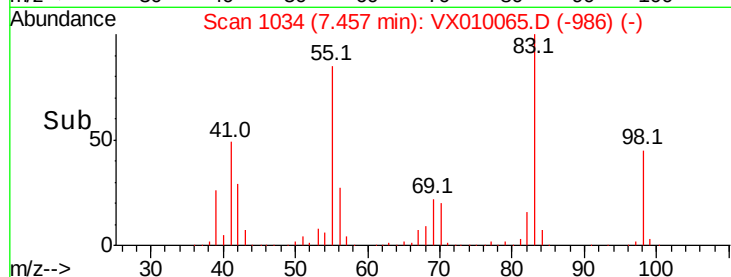
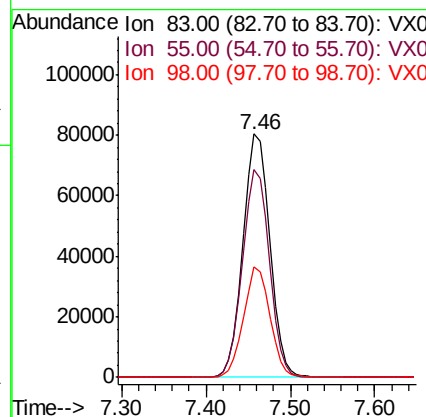
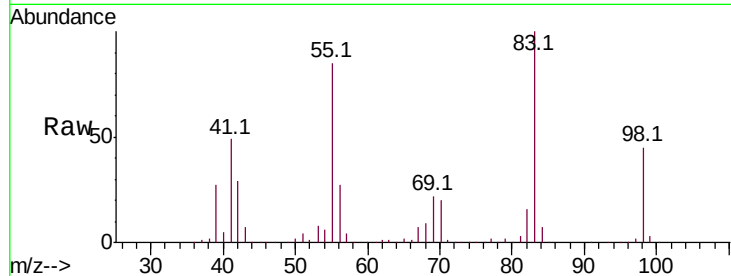
#39
Methvlcvclohexane
Concen: 58.321 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.2	67.7	101.5
98	45.1	35.5	53.3

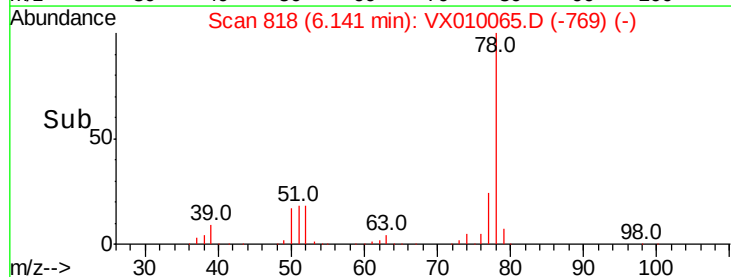
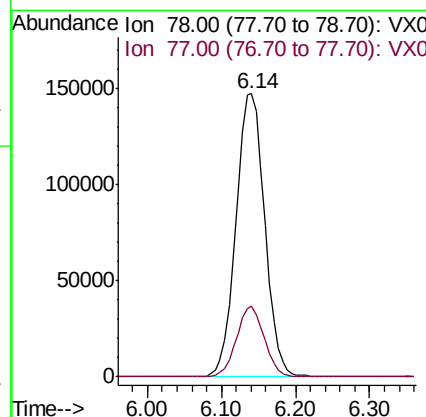
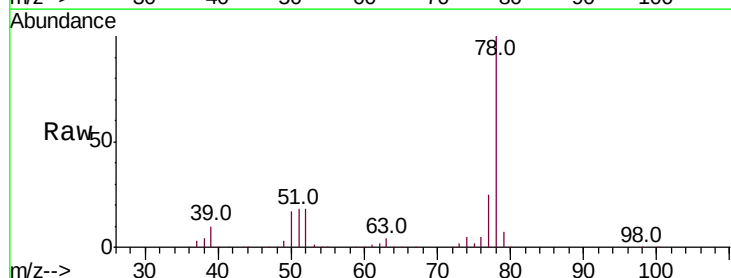
Manual Integrations
APPROVED

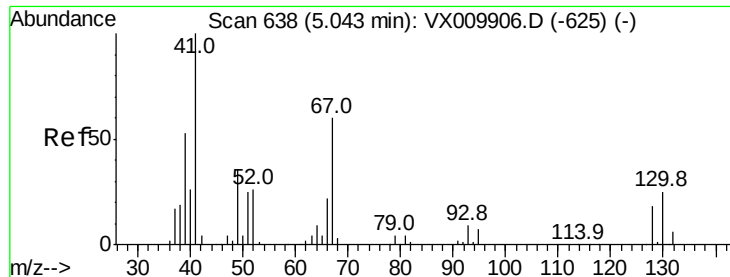
MMDadoda
6/6/2019 9:32:02 AM



#40
Benzene
Concen: 53.980 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	18.8	28.2





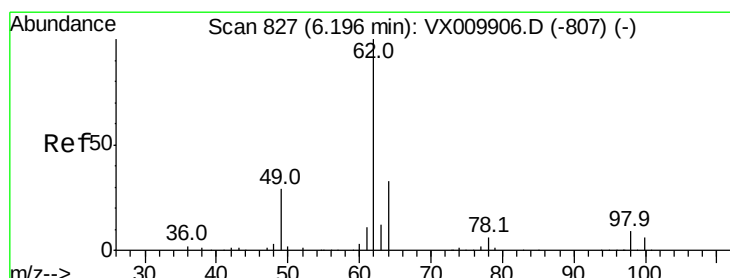
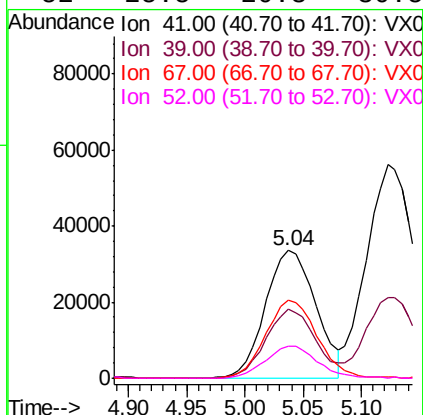
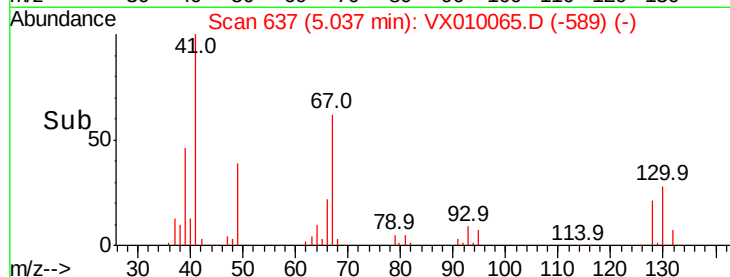
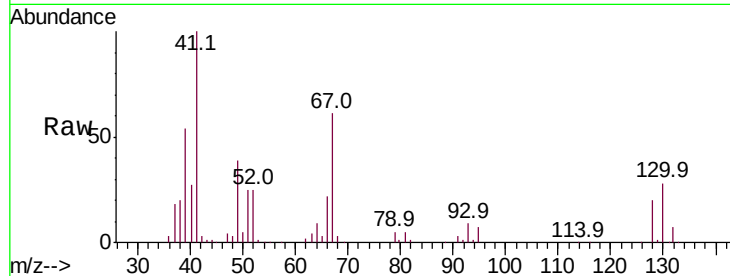
#41
Methacrylonitrile
Concen: 49.641 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.6	42.0	63.0	
67	62.2	49.8	74.8	
52	25.5	20.3	30.5	

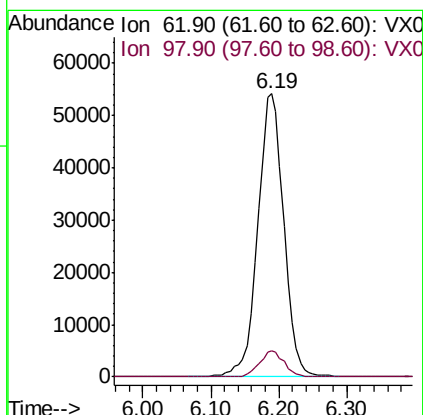
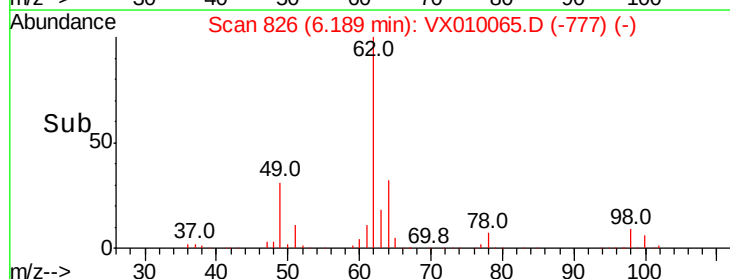
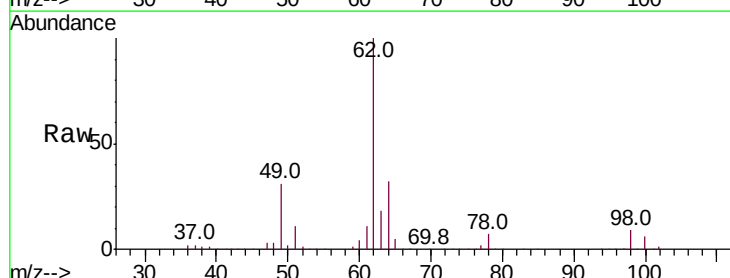
Manual Integrations
APPROVED

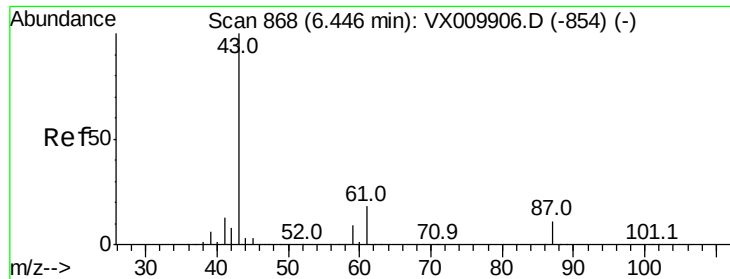
MMDadoda
6/6/2019 9:32:02 AM



#42
1,2-Dichloroethane
Concen: 52.824 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	18.2	





#43

Isopropyl Acetate

Concen: 51.408 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Instrument :

MSVOA_X

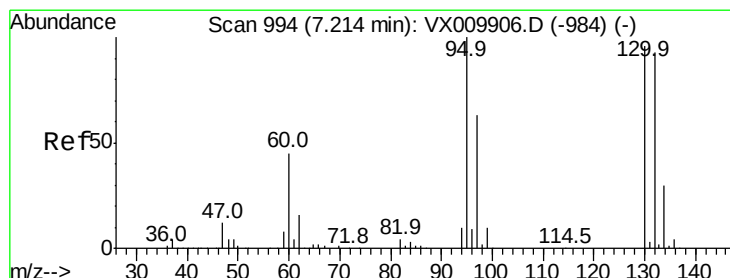
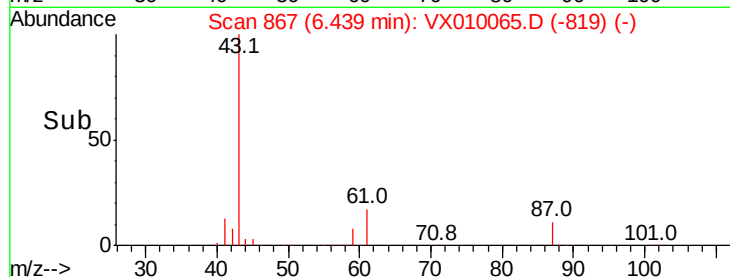
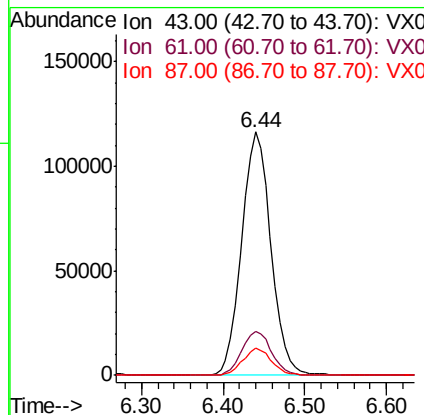
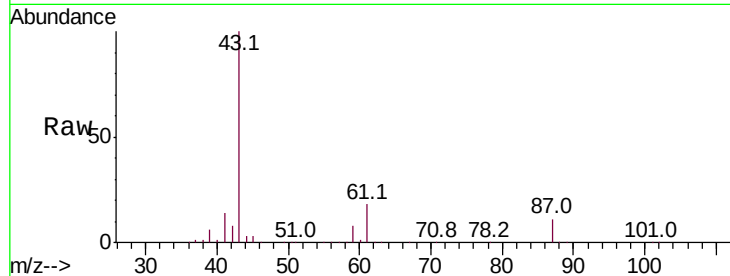
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	288568
Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.1	22.7
87	11.1	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:02 AM



#44

Trichloroethene

Concen: 53.903 ug/l

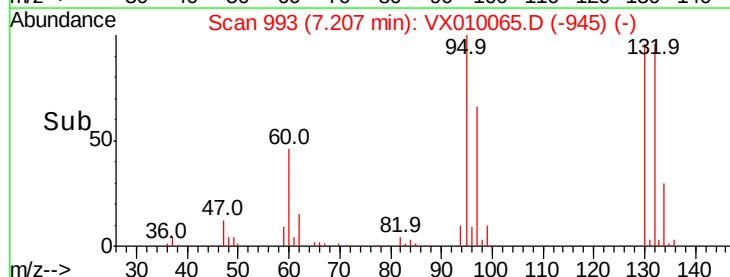
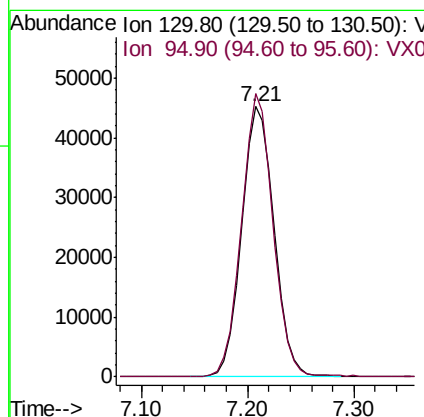
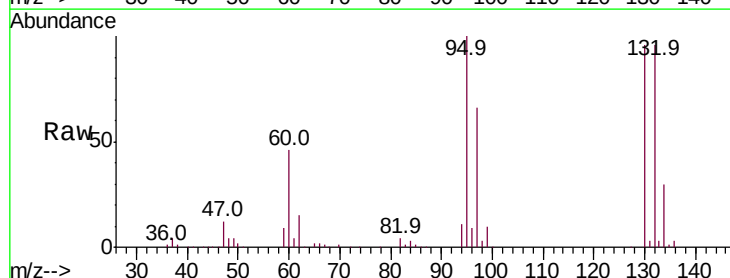
RT: 7.21 min Scan# 993

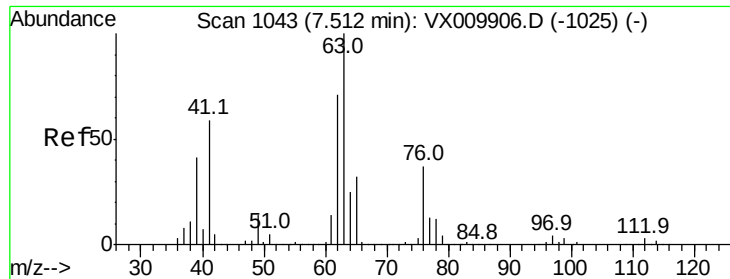
Delta R.T. -0.01 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Tgt Ion:	130	Resp:	96974
Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	199.2





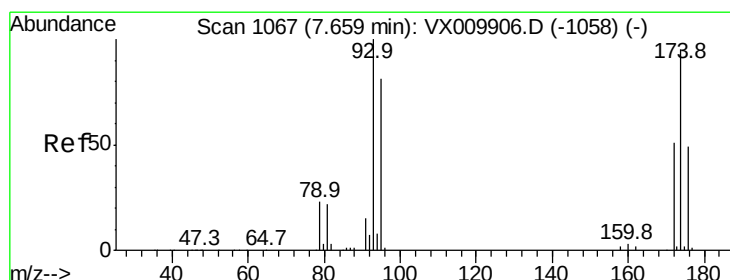
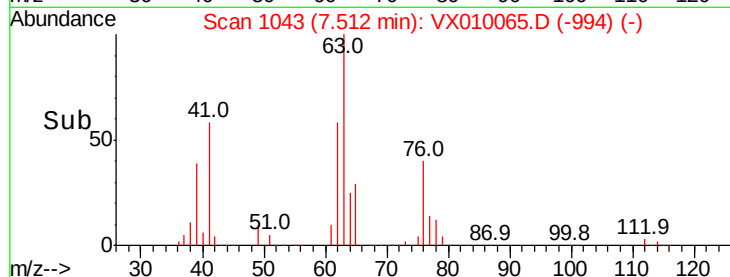
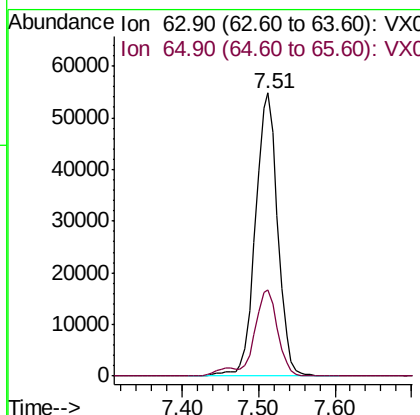
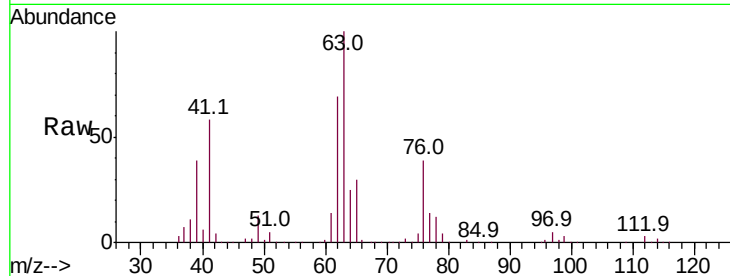
#45
 1,2-Dichloropropane
 Concen: 52.475 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010065.D
 Acq: 05 Jun 2019 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 111879
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.6

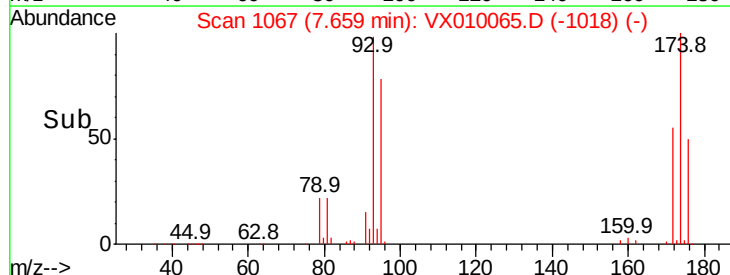
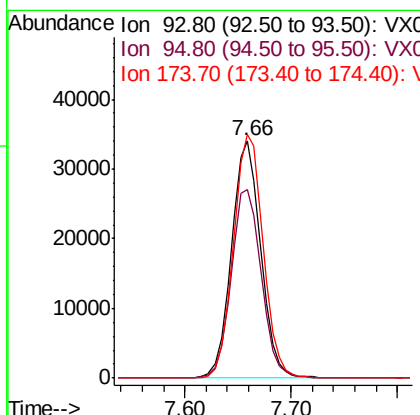
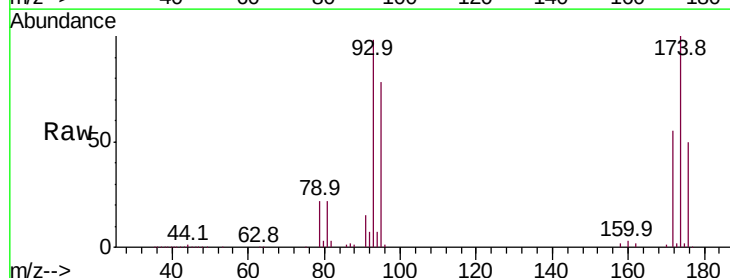
Manual Integrations
 APPROVED

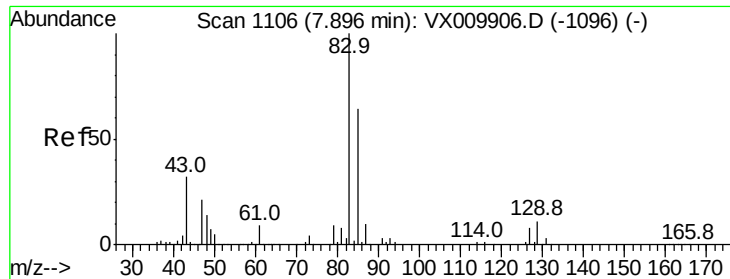
MMDadoda
 6/6/2019 9:32:02 AM



#46
 Dibromomethane
 Concen: 52.086 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX010065.D
 Acq: 05 Jun 2019 10:20

Tgt Ion: 93 Resp: 65367
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.5 99.7
 174 105.2 82.1 123.1





#47

Bromodichloromethane

Concen: 55.348 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Instrument :

MSVOA_X

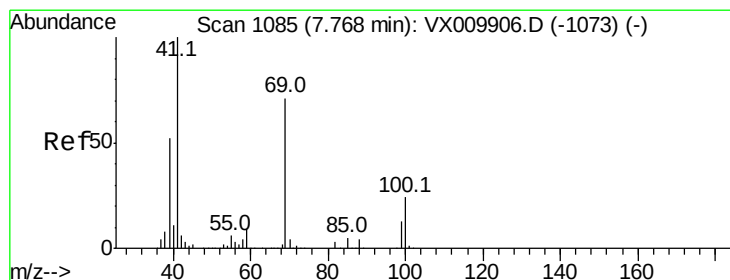
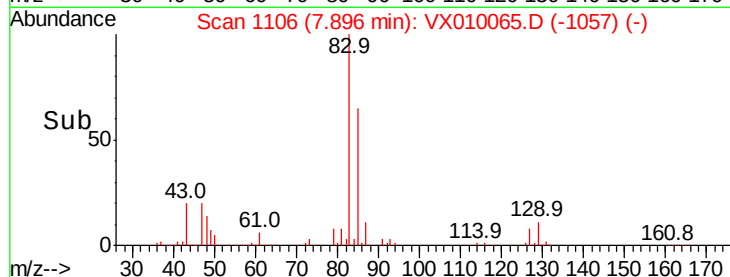
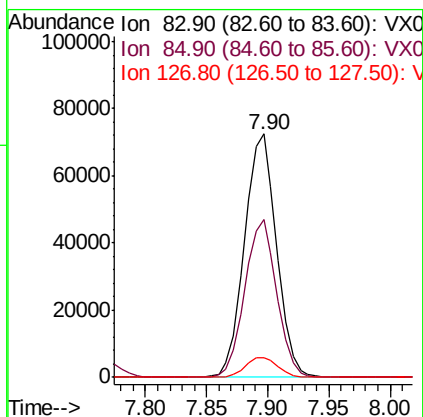
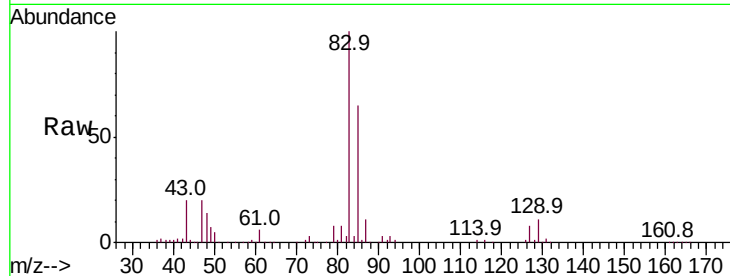
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	132086
Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.4	78.6
127	8.0	6.6	10.0

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:02 AM



#48

Methyl methacrylate

Concen: 53.314 ug/l

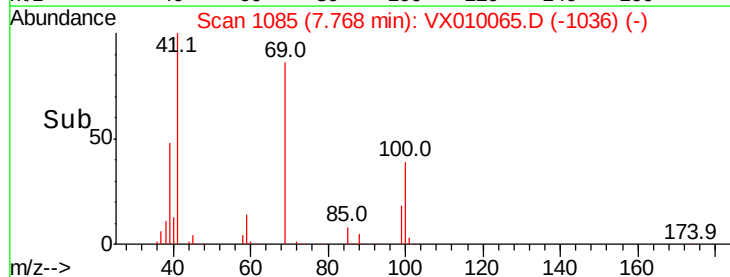
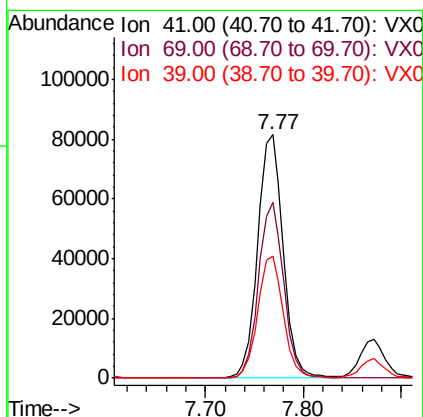
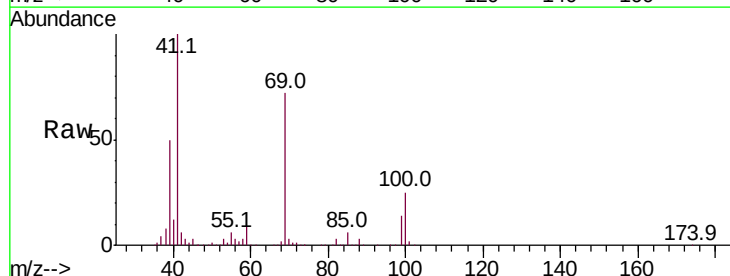
RT: 7.77 min Scan# 1085

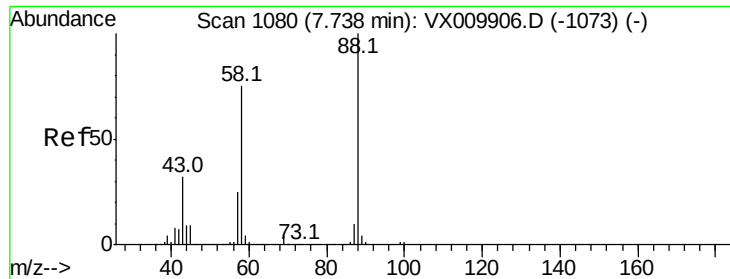
Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Tgt Ion:	41	Resp:	148149
Ion	Ratio	Lower	Upper
41	100		
69	71.7	59.1	88.7
39	50.0	40.4	60.6





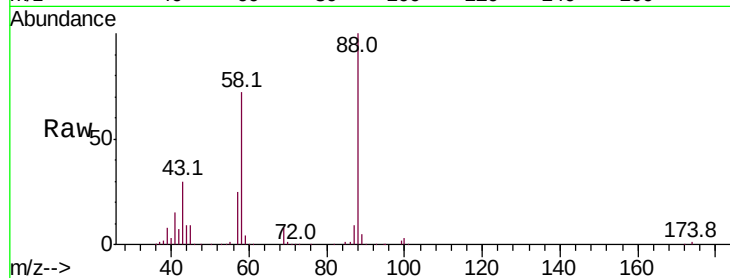
#49
1,4-Dioxane
Concen: 1049.743 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	28.6	42.8
58	79.1	61.7	92.5

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:02 AM

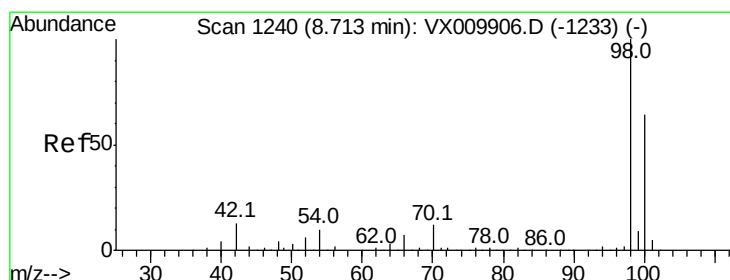
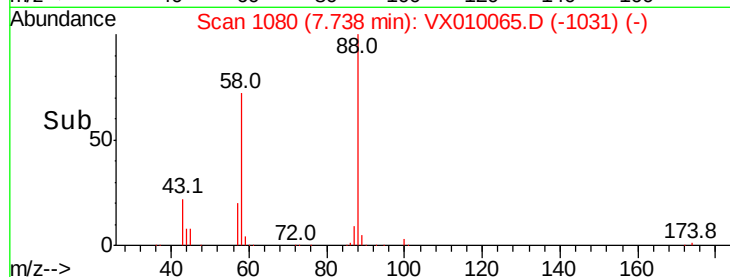
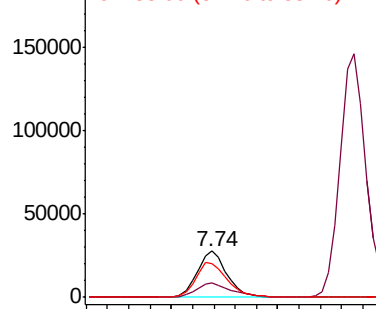


Abundance

Ion 88.00 (87.70 to 88.70): VX0

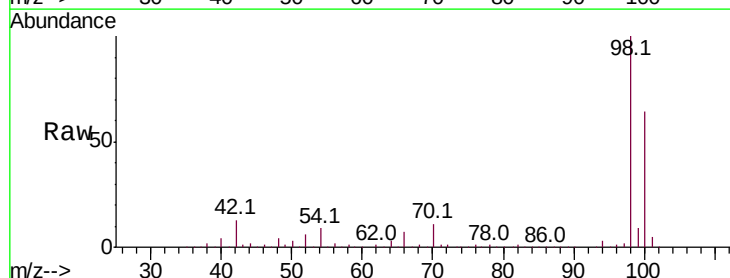
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 53.044 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

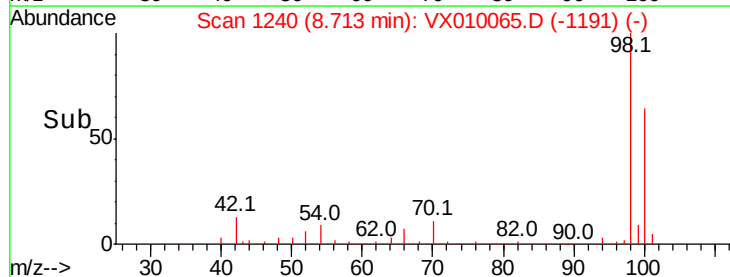
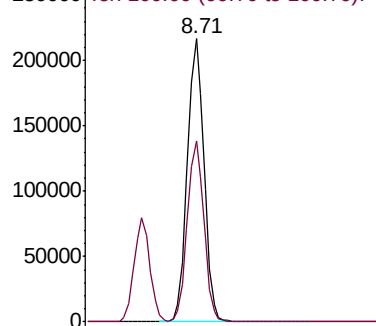
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.2	76.8

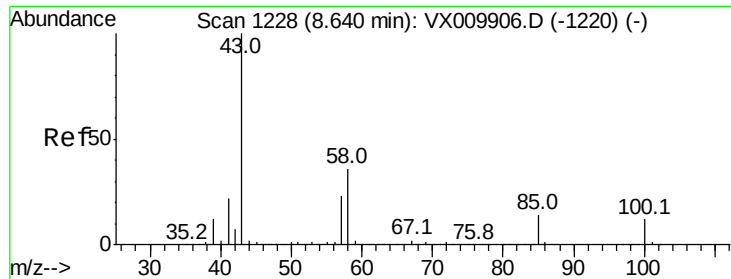


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 260.304 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 950506

Ion Ratio Lower Upper

43 100

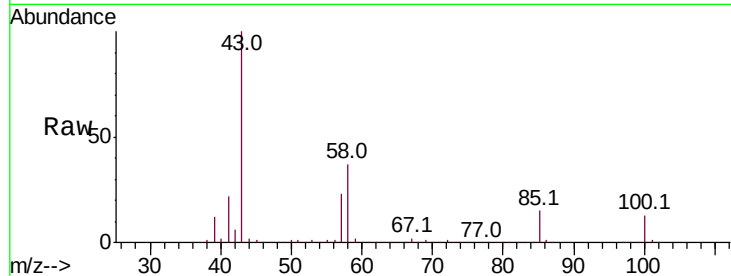
58 36.4 29.5 44.3

Manual Integrations

APPROVED

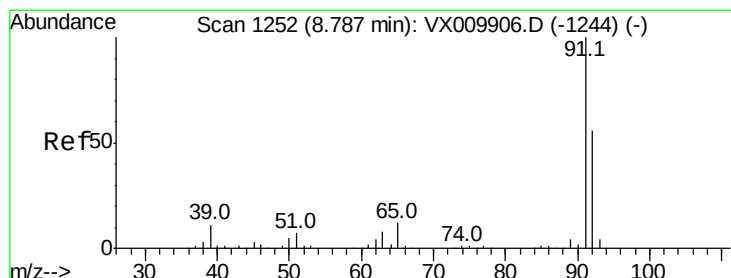
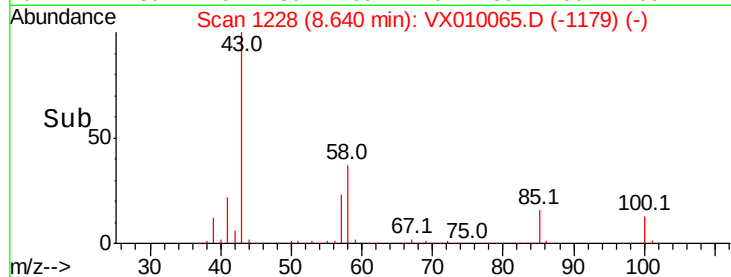
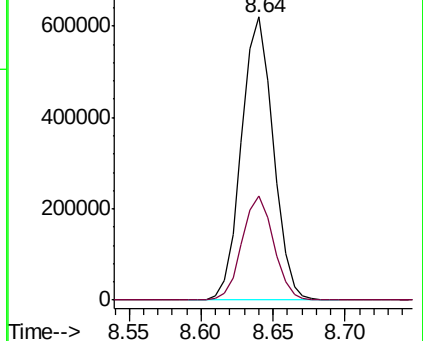
MMDadoda

6/6/2019 9:32:02 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 55.766 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010065.D

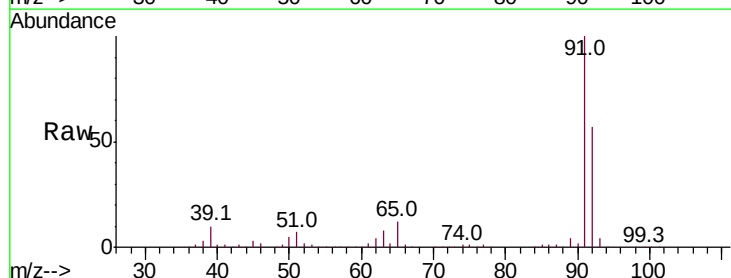
Acq: 05 Jun 2019 10:20

Tgt Ion: 92 Resp: 250773

Ion Ratio Lower Upper

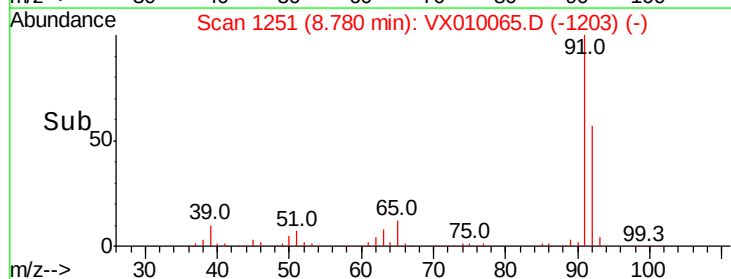
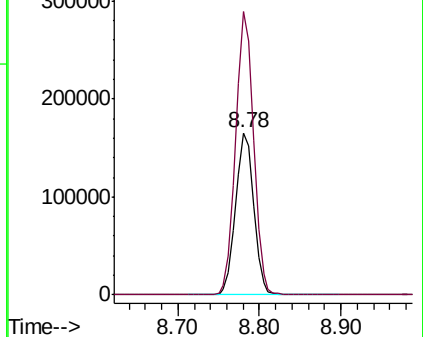
92 100

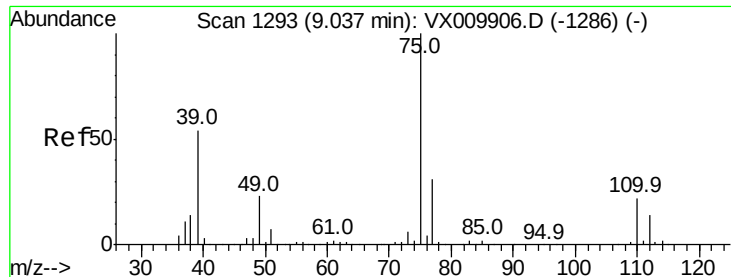
91 173.4 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 55.895 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 159977

Ion Ratio Lower Upper

75 100

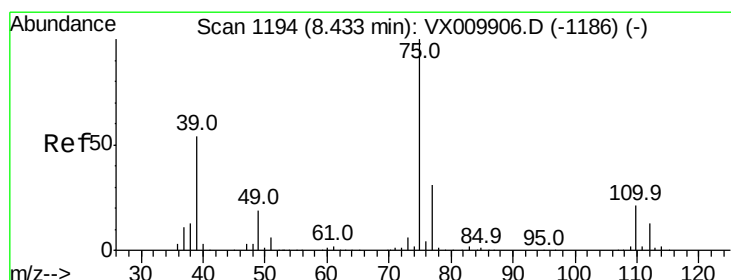
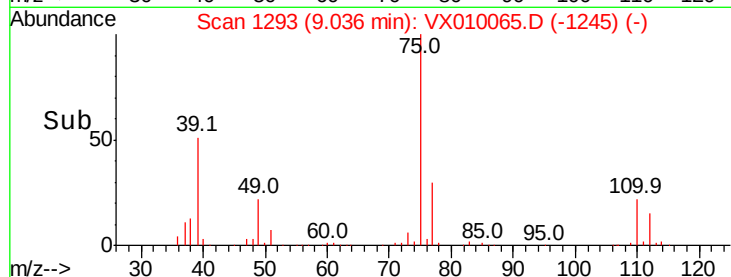
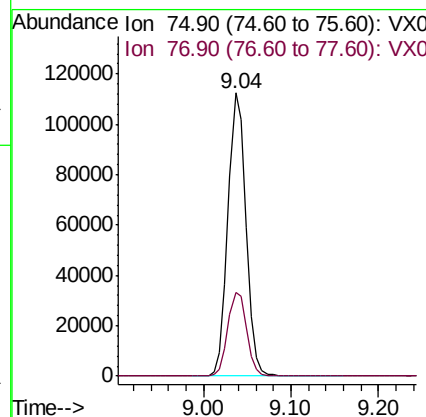
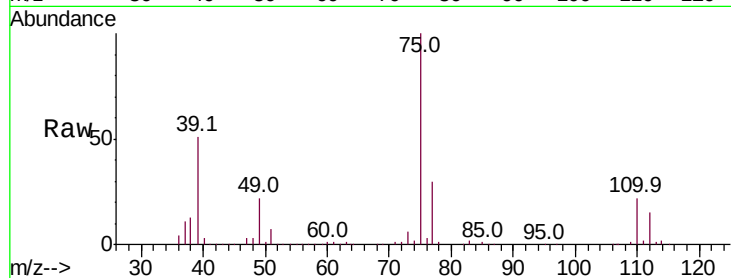
77 29.6 25.0 37.6

Manual Integrations

APPROVED

MMDadoda

6/6/2019 9:32:02 AM



#54

cis-1,3-Dichloropropene

Concen: 55.349 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

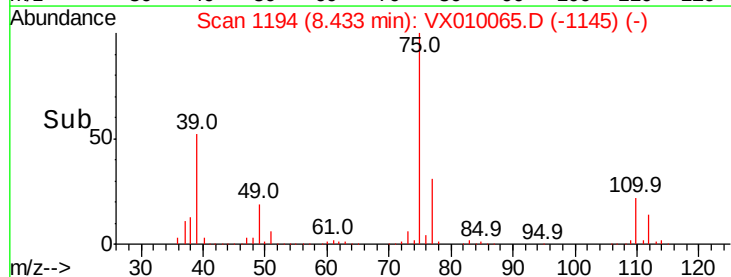
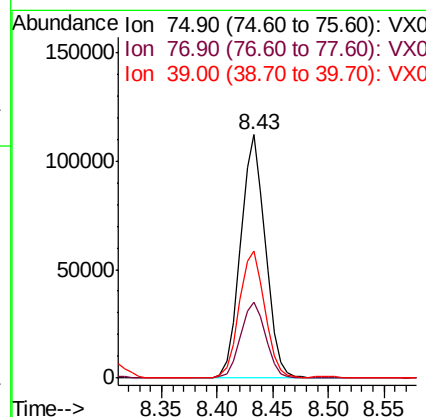
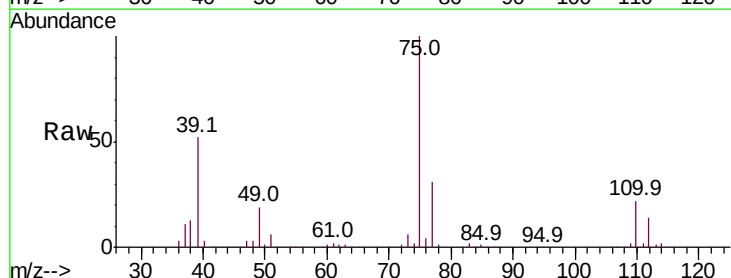
Tgt Ion: 75 Resp: 172601

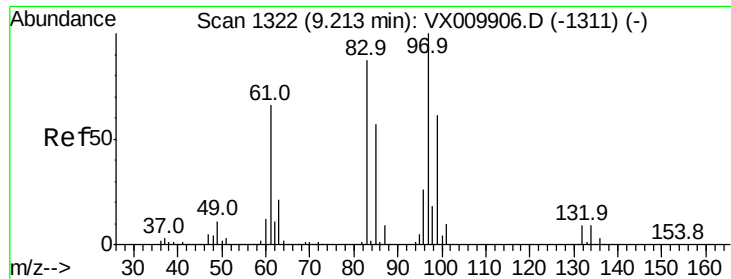
Ion Ratio Lower Upper

75 100

77 31.2 24.6 36.8

39 52.4 40.6 60.8





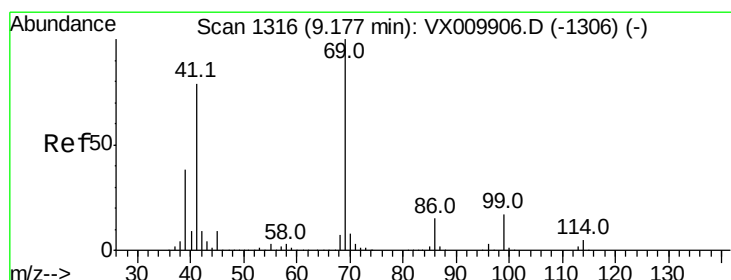
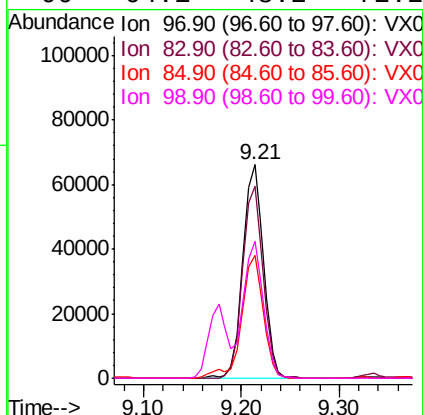
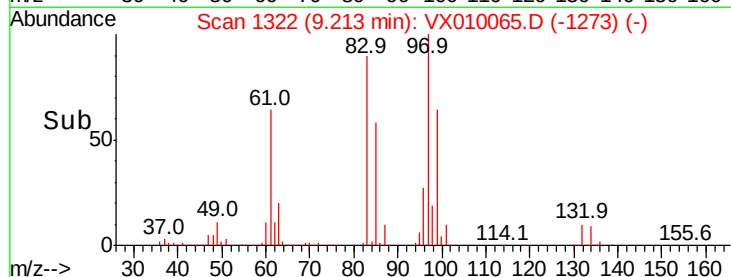
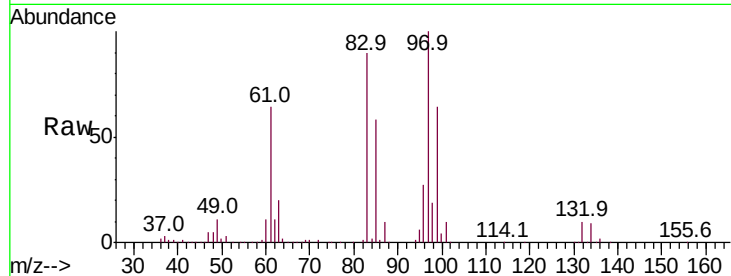
#55
 1,1,2-Trichloroethane
 Concen: 53.791 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010065.D
 Acq: 05 Jun 2019 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	97358
Ion	Ratio	Lower	Upper
97	100		
83	89.7	68.9	103.3
85	57.7	43.8	65.6
99	64.1	48.2	72.2

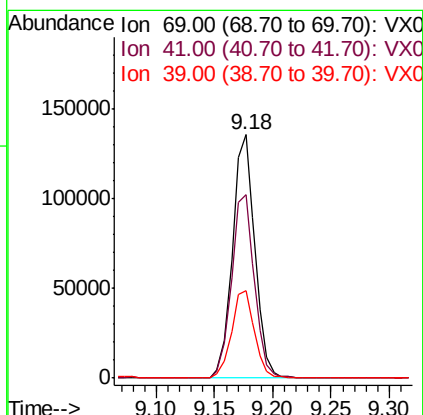
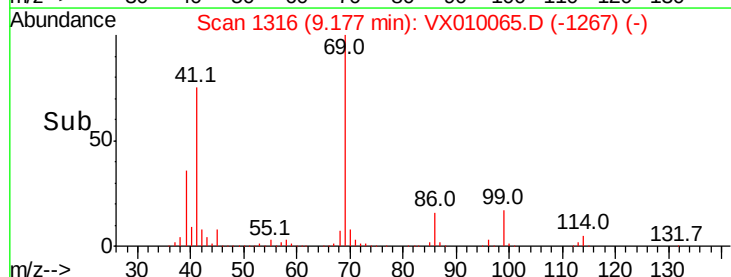
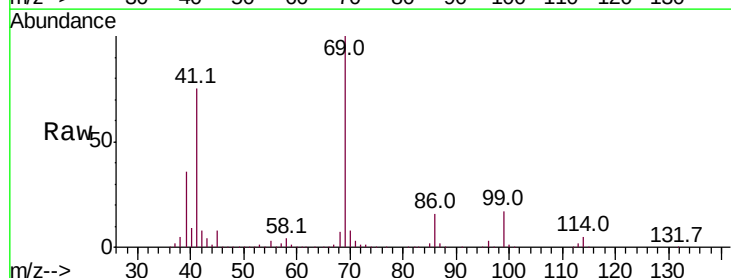
Manual Integrations
 APPROVED

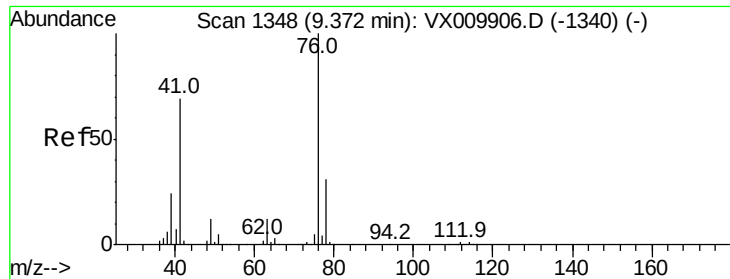
MMDadoda
 6/6/2019 9:32:02 AM



#56
 Ethyl methacrylate
 Concen: 56.271 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010065.D
 Acq: 05 Jun 2019 10:20

Tgt Ion	69	Resp	181320
Ion	Ratio	Lower	Upper
69	100		
41	77.2	60.6	90.8
39	36.5	28.2	42.4





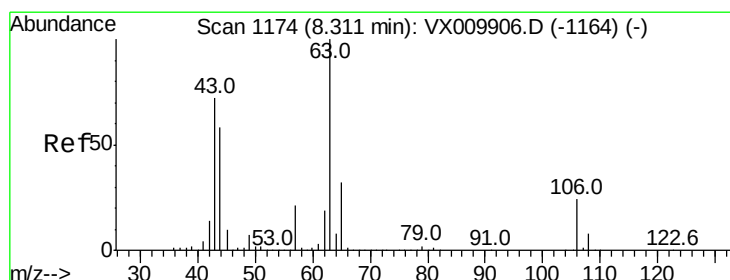
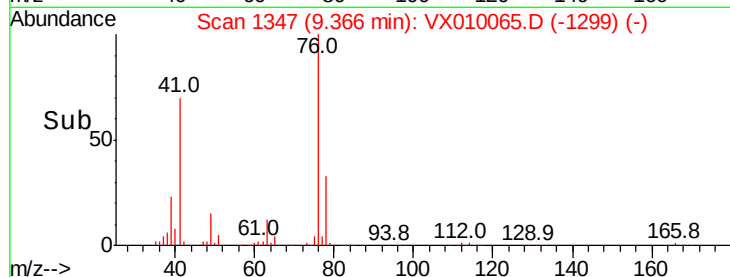
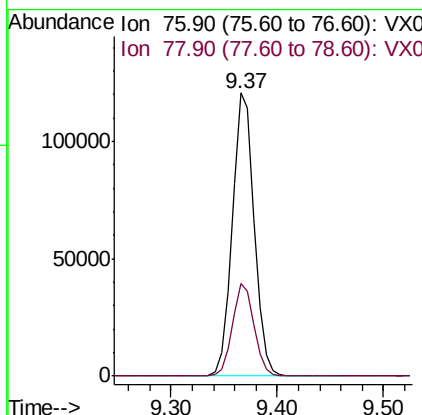
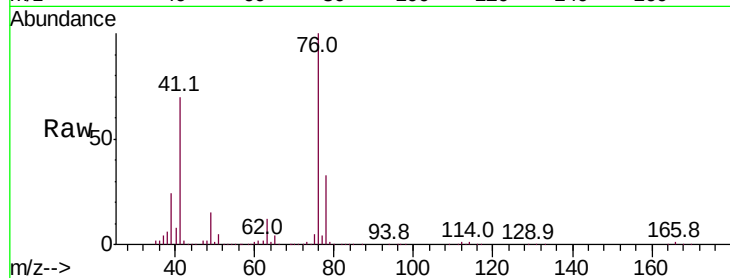
#57
 1,3-Dichloropropane
 Concen: 53.449 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX010065.D
 Acq: 05 Jun 2019 10:20

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3

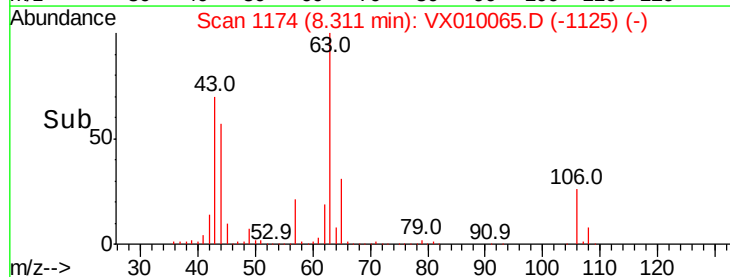
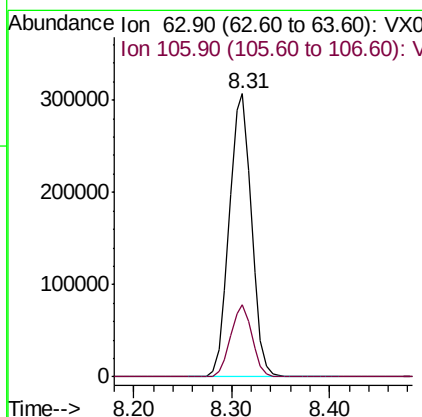
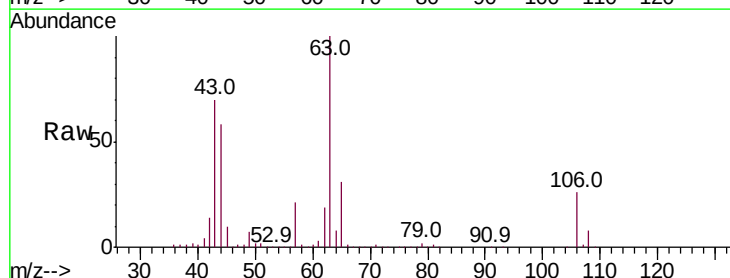
Manual Integrations
 APPROVED

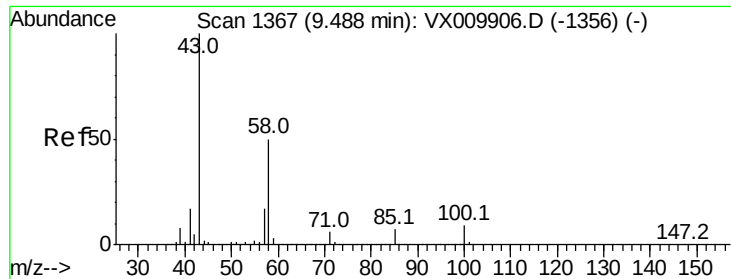
MMDadoda
 6/6/2019 9:32:02 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 286.954 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX010065.D
 Acq: 05 Jun 2019 10:20

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.9	19.7	29.5





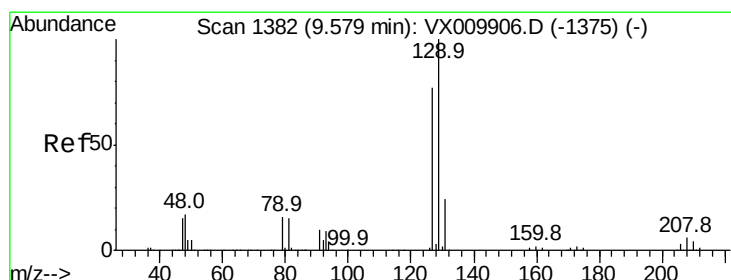
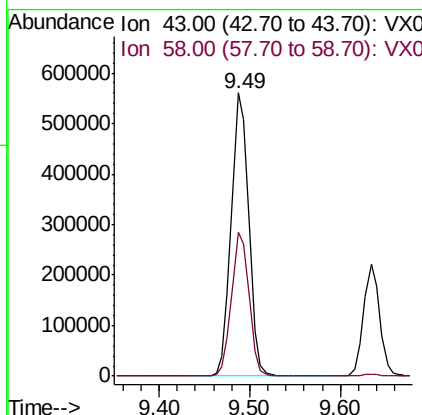
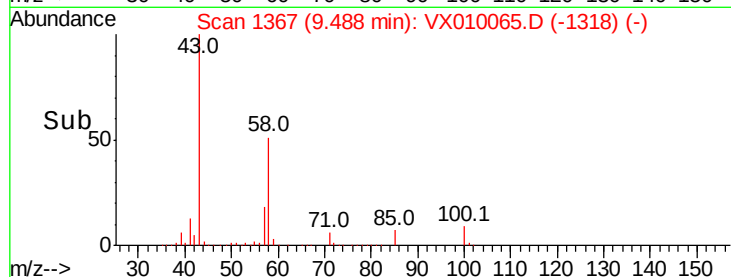
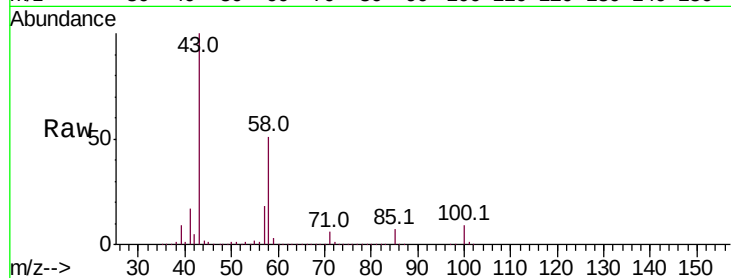
#59
2-Hexanone
Concen: 269.441 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 757483
Ion Ratio Lower Upper
43 100
58 50.8 25.9 77.7

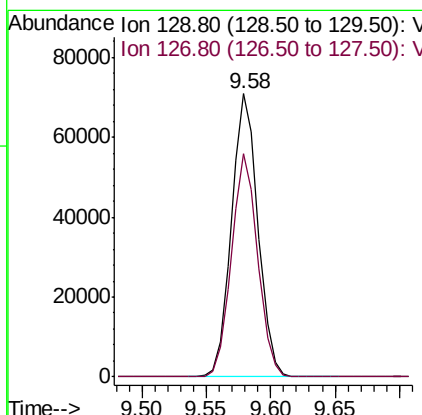
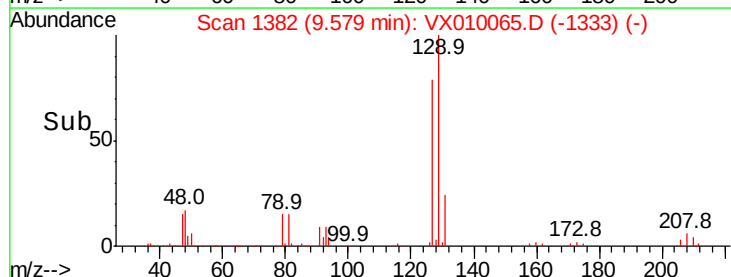
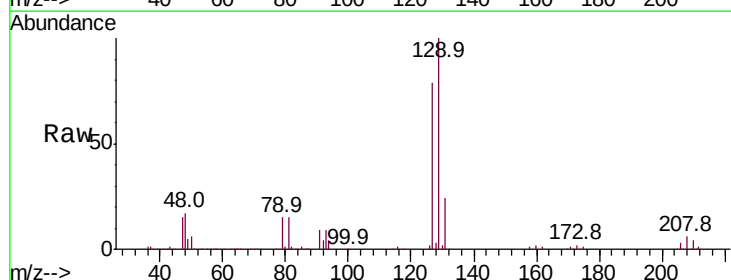
Manual Integrations
APPROVED

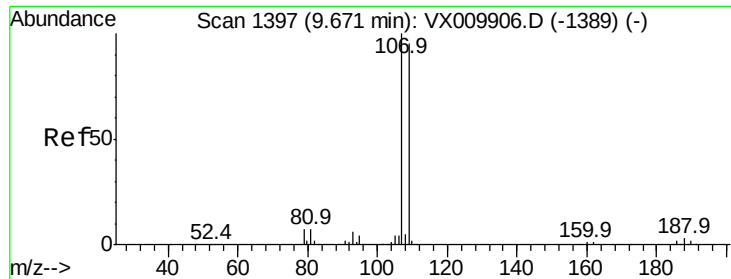
MMDadoda
6/6/2019 9:32:02 AM



#60
Dibromochloromethane
Concen: 57.157 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Tgt Ion: 129 Resp: 101763
Ion Ratio Lower Upper
129 100
127 77.9 38.4 115.1





#61

1,2-Dibromoethane

Concen: 54.499 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 101337

Ion Ratio Lower Upper

107 100

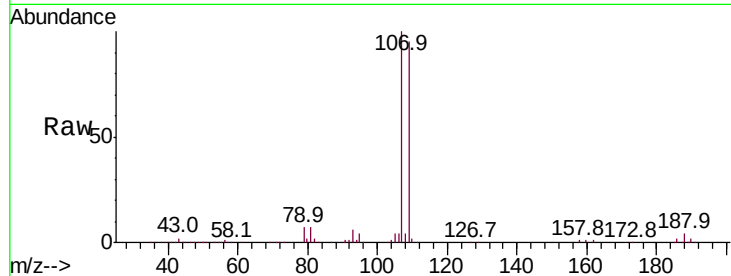
109 94.1 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

6/6/2019 9:32:02 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

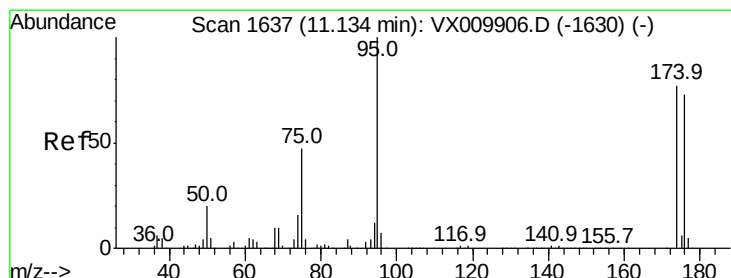
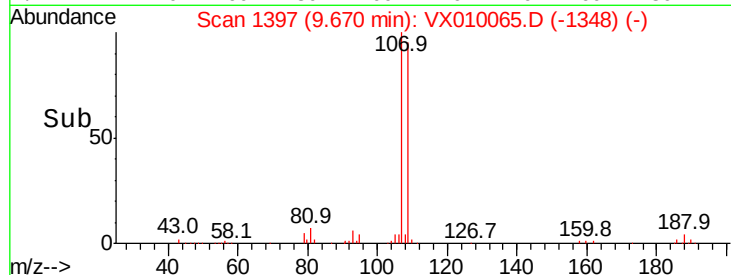
40000

20000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 55.409 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

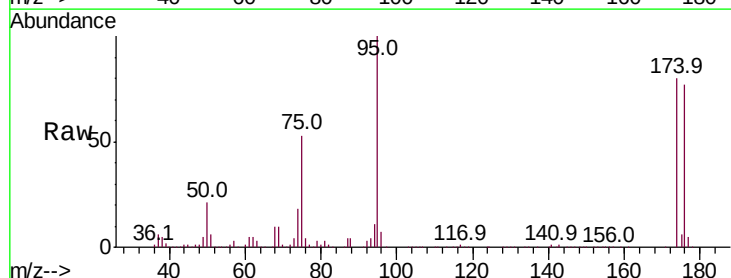
Tgt Ion: 95 Resp: 125031

Ion Ratio Lower Upper

95 100

174 83.5 0.0 161.6

176 80.9 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

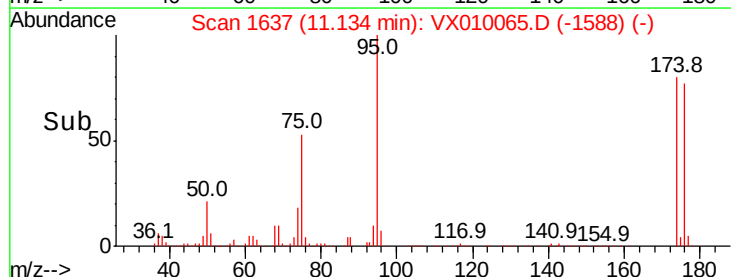
100000

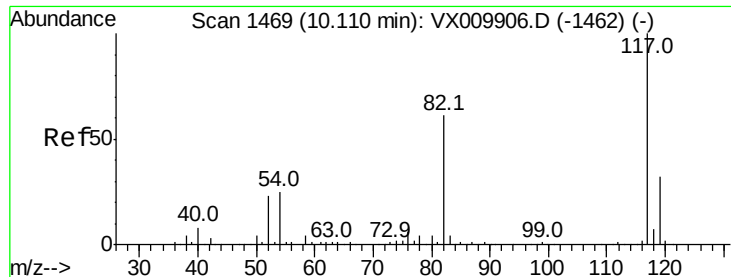
50000

0

11.10 11.20

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Instrument :

MSVOA_X

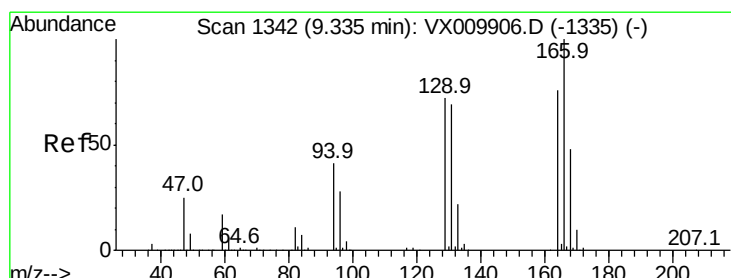
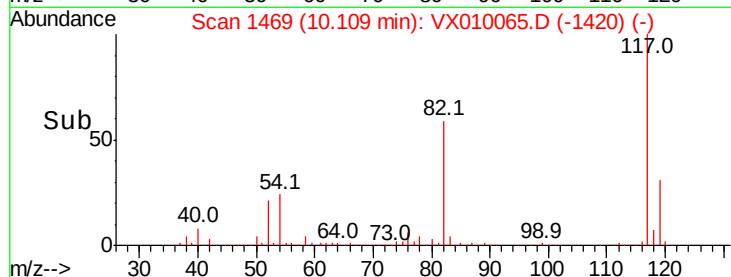
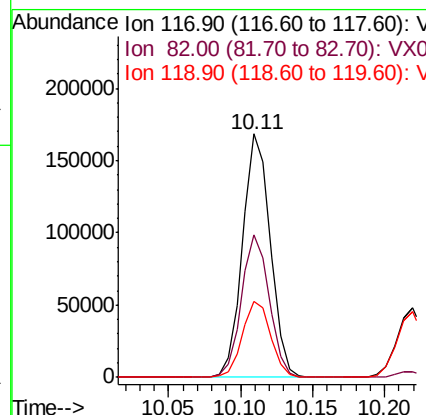
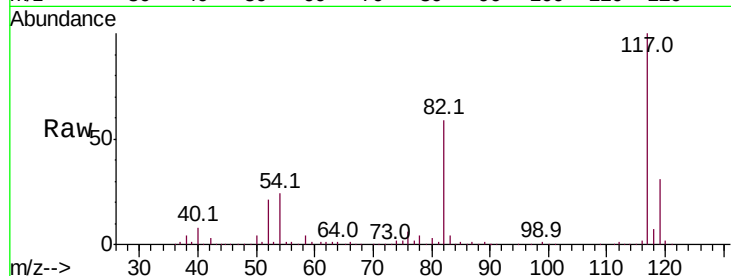
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	226457
Ion Ratio	Lower	Upper	
117	100		
82	58.8	48.8	73.2
119	31.0	25.8	38.6

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:02 AM



#64

Tetrachloroethene

Concen: 58.715 ug/l

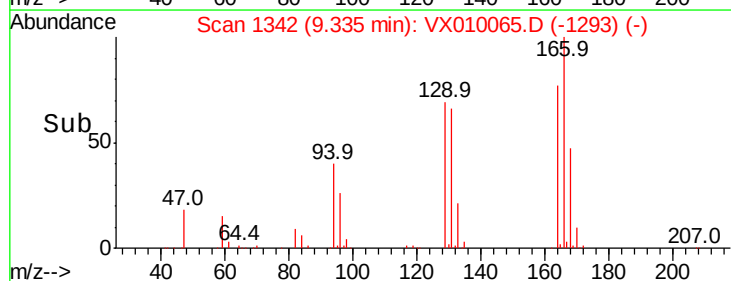
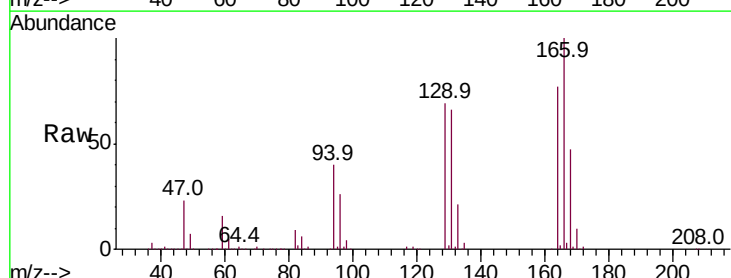
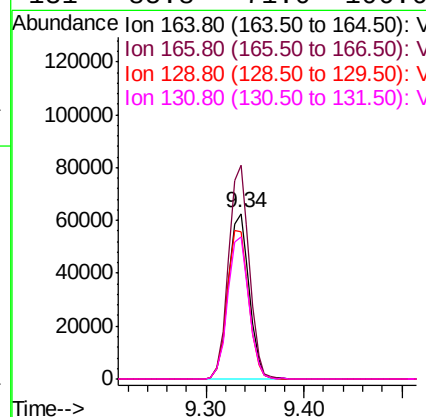
RT: 9.34 min Scan# 1342

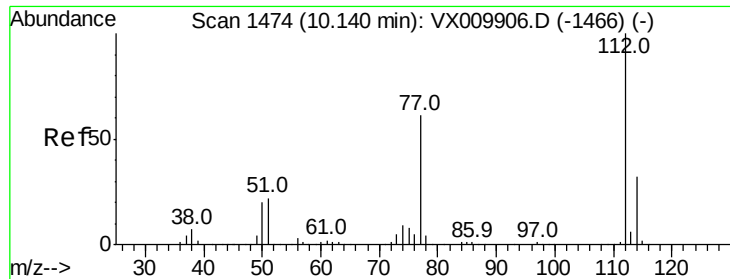
Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Tgt Ion:	164	Resp:	92876
Ion Ratio	Lower	Upper	
164	100		
166	129.2	101.2	151.8
129	88.7	74.3	111.5
131	85.8	71.0	106.6





#65

Chlorobenzene

Concen: 55.474 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 262997

Ion Ratio Lower Upper

112 100

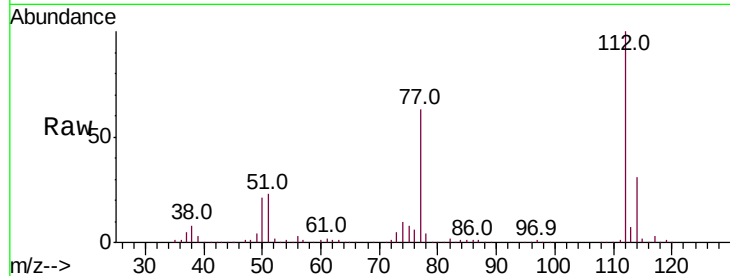
114 30.7 25.5 38.3

Manual Integrations

APPROVED

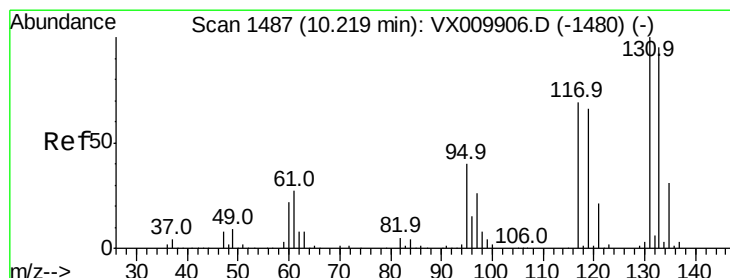
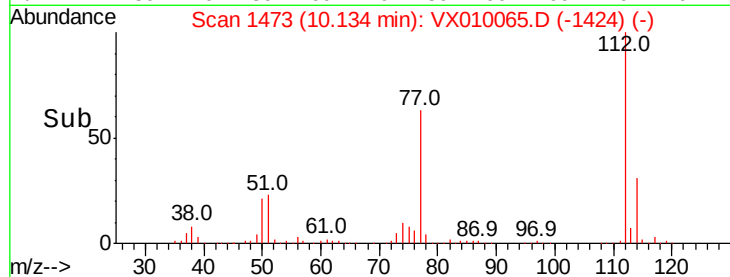
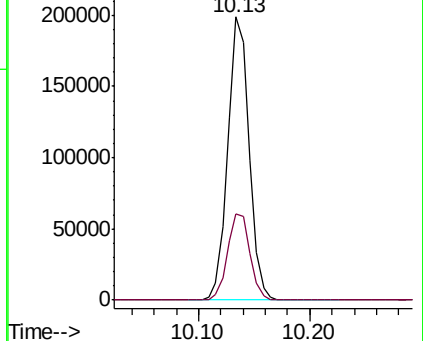
MMDadoda

6/6/2019 9:32:02 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 57.423 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

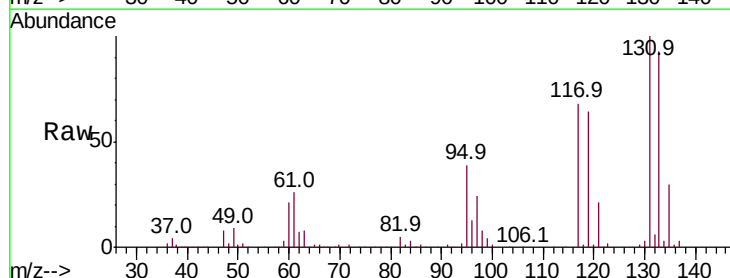
Tgt Ion:131 Resp: 94423

Ion Ratio Lower Upper

131 100

133 94.0 47.7 143.1

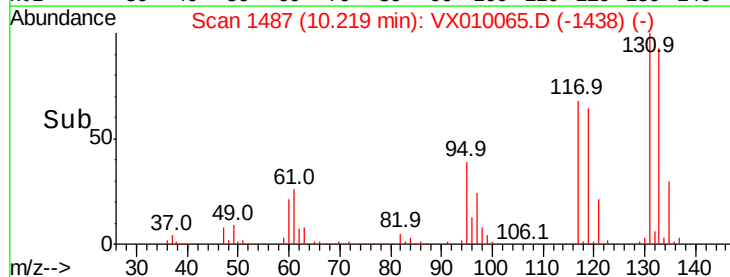
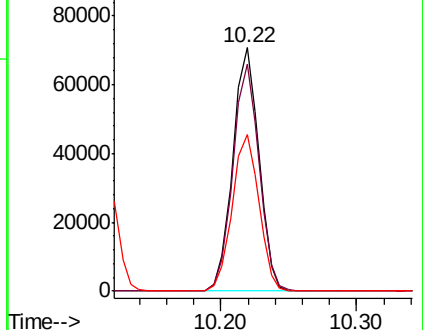
119 66.0 33.5 100.4

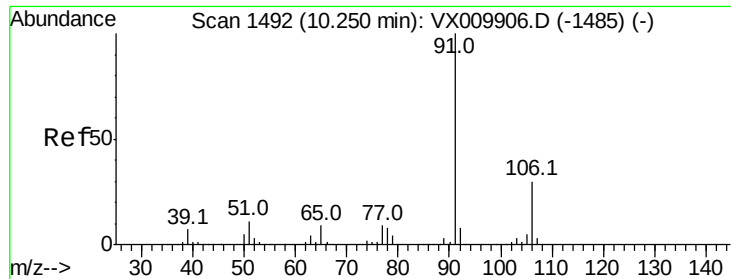


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





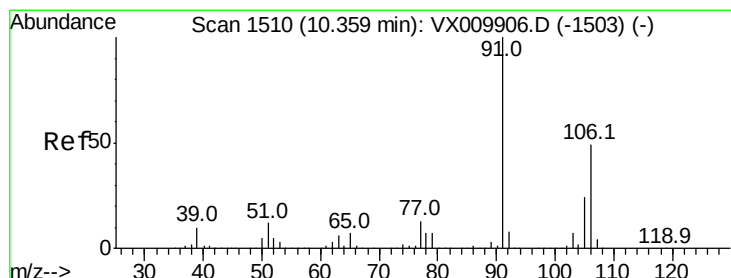
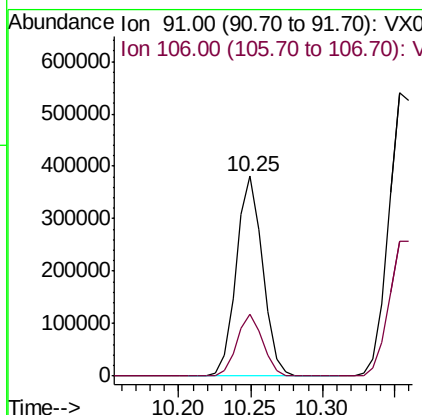
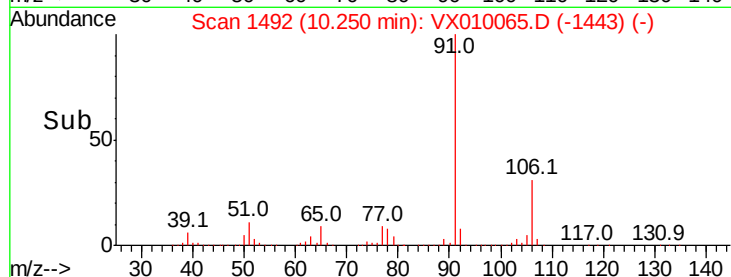
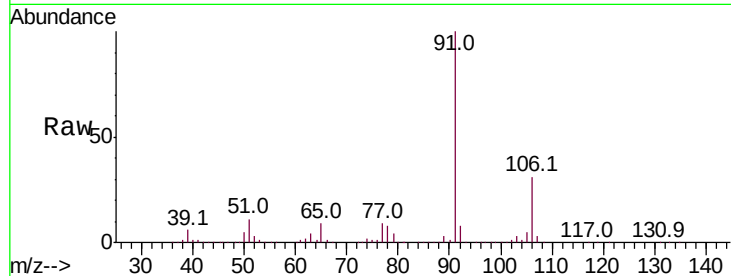
#67
Ethyl Benzene
Concen: 57.047 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 485602
Ion Ratio Lower Upper
91 100
106 30.7 24.0 36.0

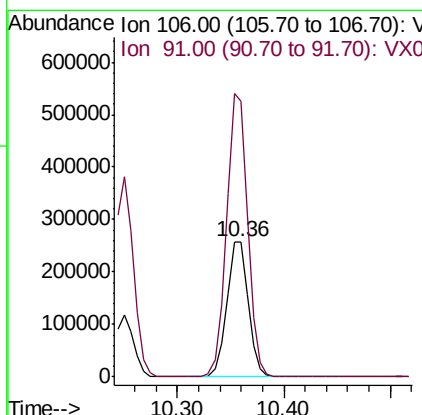
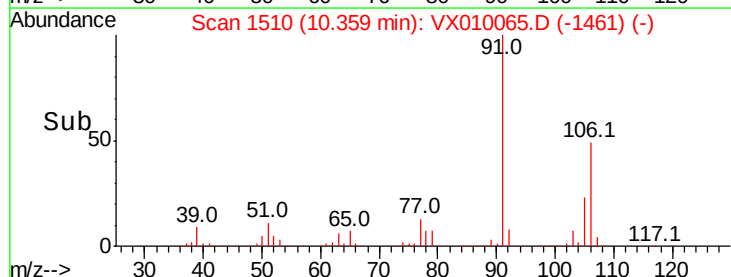
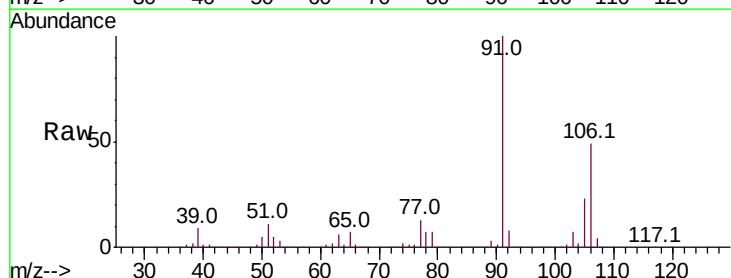
Manual Integrations
APPROVED

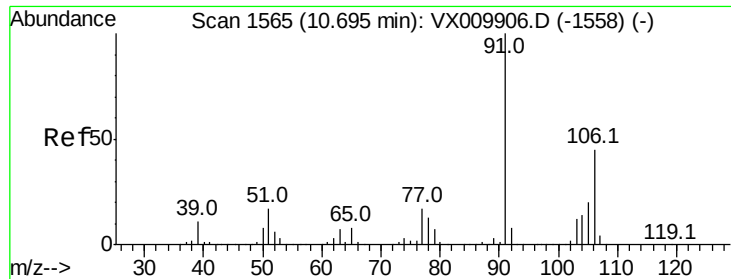
MMDadoda
6/6/2019 9:32:02 AM



#68
m/p-Xylenes
Concen: 115.303 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Tgt Ion: 106 Resp: 362601
Ion Ratio Lower Upper
106 100
91 207.2 164.0 246.0





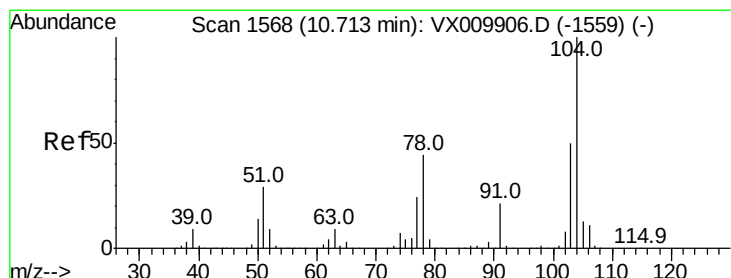
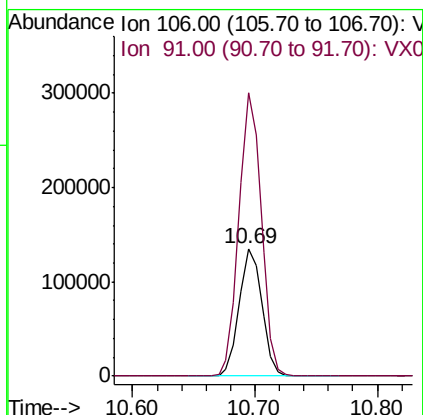
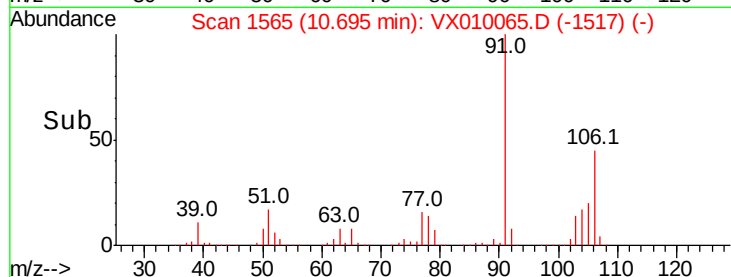
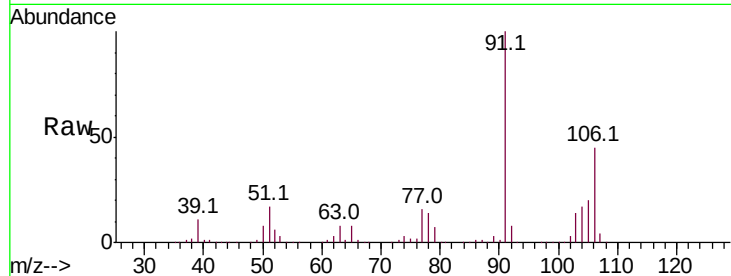
#69
o-Xylene
Concen: 57.480 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 173358
Ion Ratio Lower Upper
106 100
91 219.5 109.5 328.4

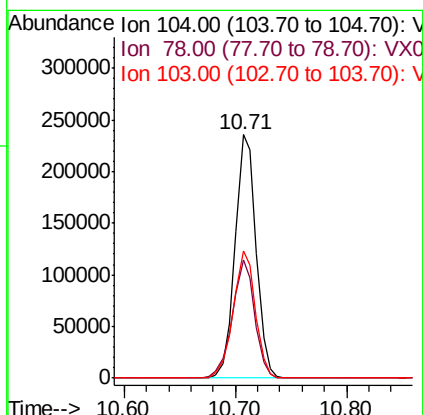
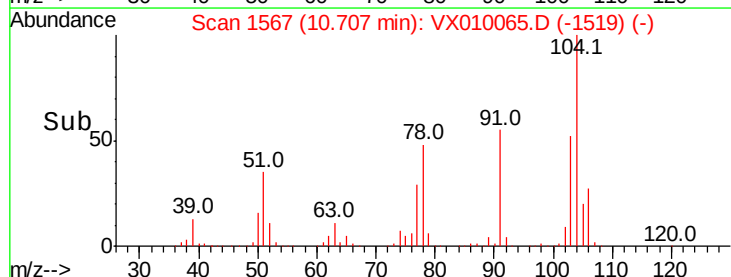
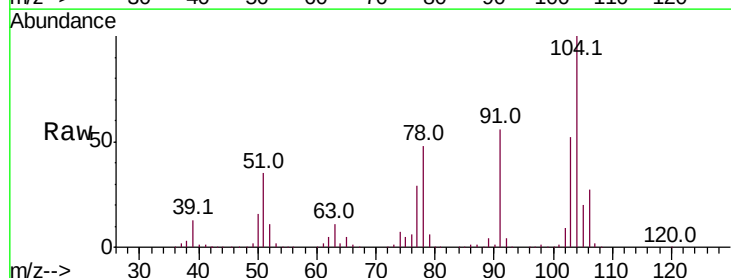
Manual Integrations
APPROVED

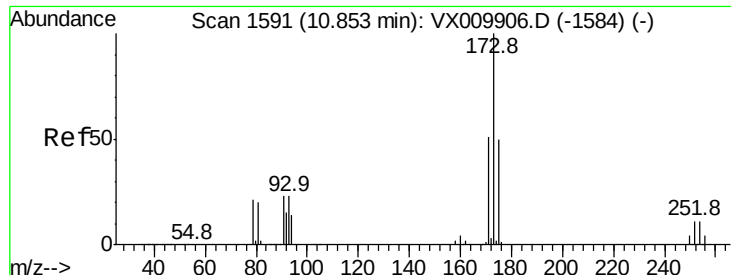
MMDadoda
6/6/2019 9:32:02 AM



#70
Styrene
Concen: 58.179 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Tgt Ion:104 Resp: 307683
Ion Ratio Lower Upper
104 100
78 51.5 41.0 61.4
103 55.3 43.8 65.6





#71

Bromoform

Concen: 59.407 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 79849

Ion Ratio Lower Upper

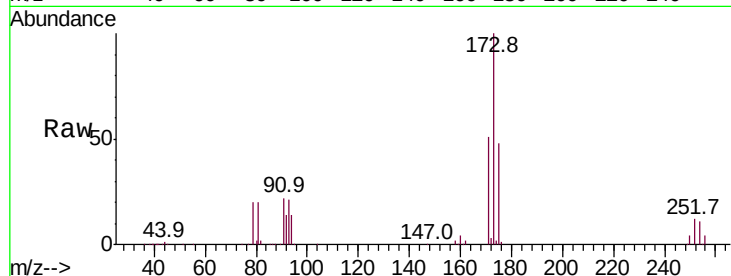
173 100

175 49.1 24.5 73.5

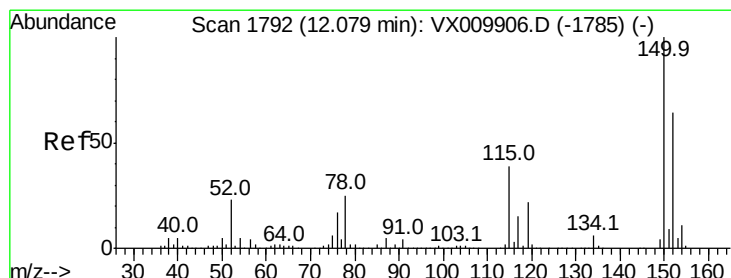
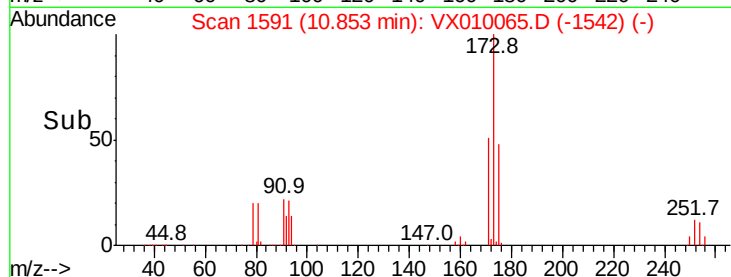
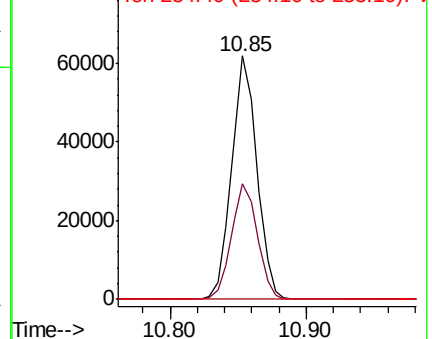
254 0.2 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:02 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: VX010065.D

Acq: 05 Jun 2019 10:20

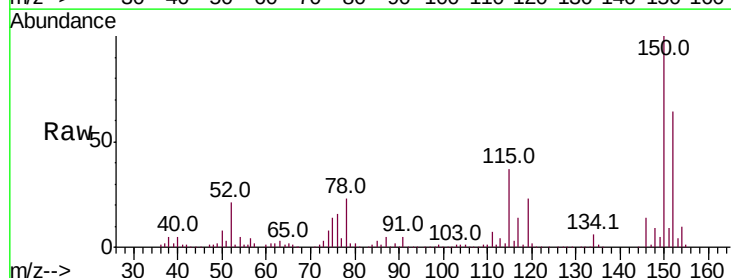
Tgt Ion:152 Resp: 117352

Ion Ratio Lower Upper

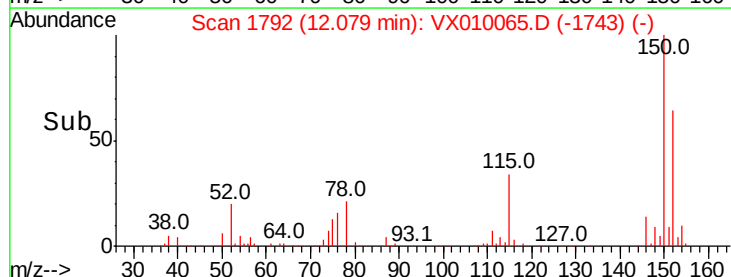
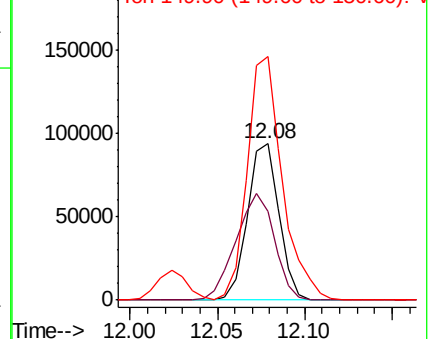
152 100

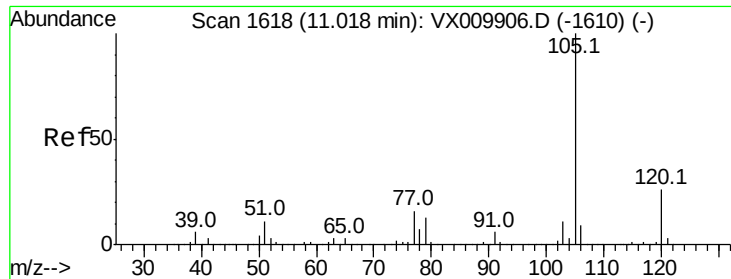
115 83.8 41.2 123.6

150 173.5 0.0 346.4



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





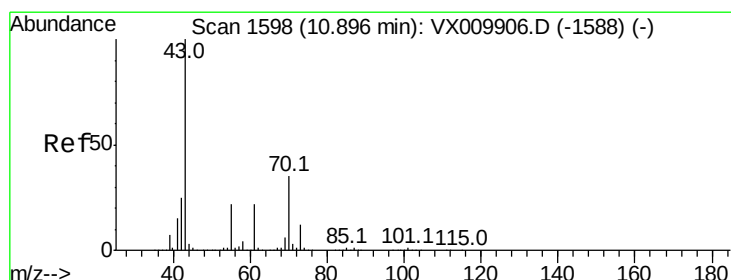
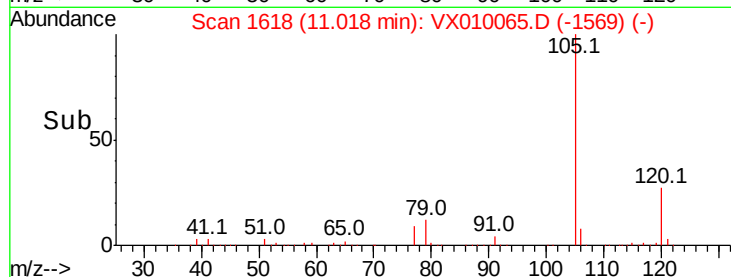
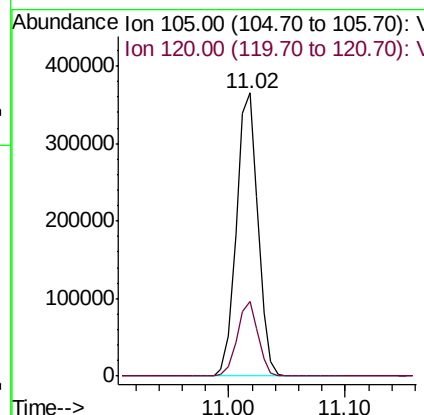
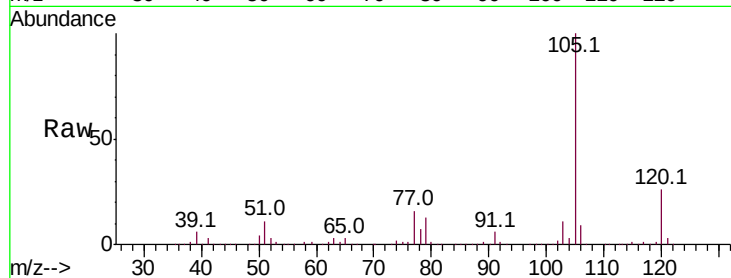
#73
Isopropylbenzene
Concen: 54.271 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.3

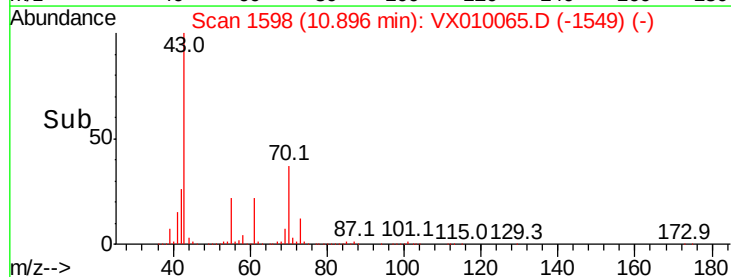
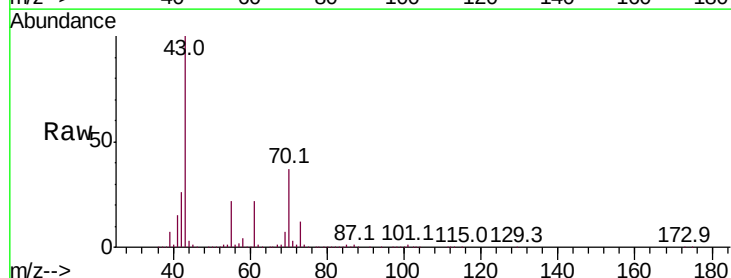
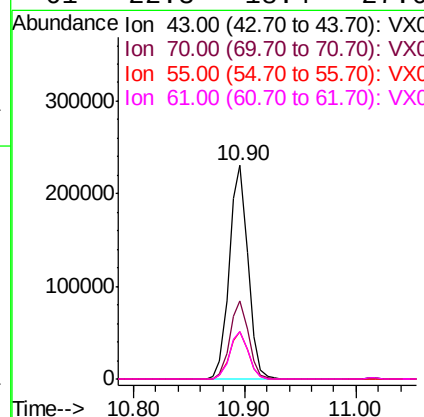
Manual Integrations
APPROVED

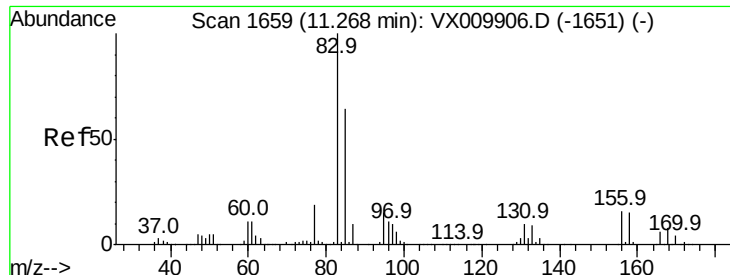
MMDadoda
6/6/2019 9:32:02 AM



#74
N-ethyl acetate
Concen: 51.508 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.9	30.0	45.0
55	22.4	17.9	26.9
61	22.3	18.4	27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.701 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Instrument :

MSVOA_X

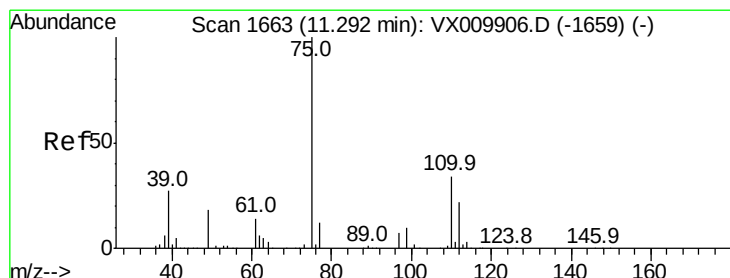
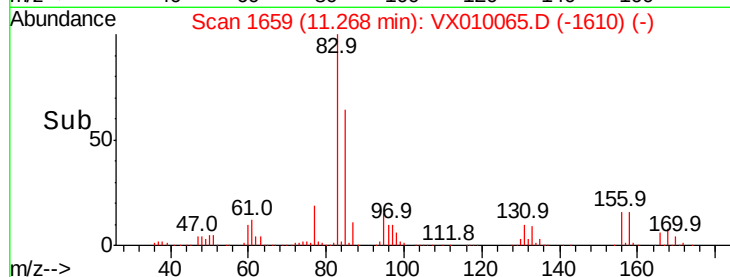
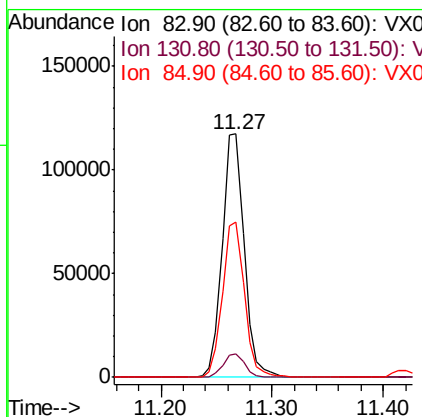
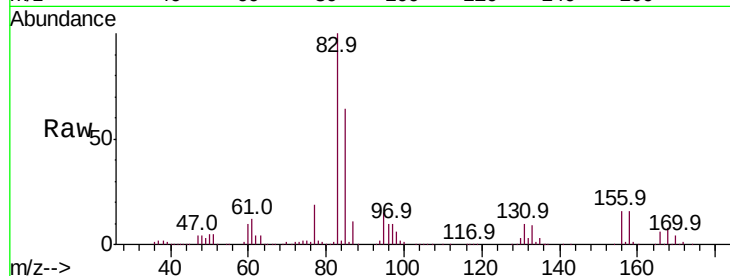
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	160546
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.6	13.8
85	64.0	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:02 AM



#76

1,2,3-Trichloropropane

Concen: 43.078 ug/l m

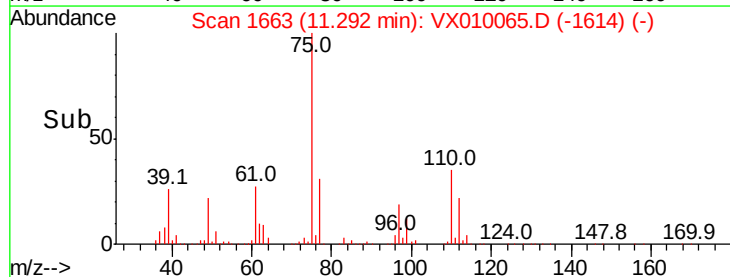
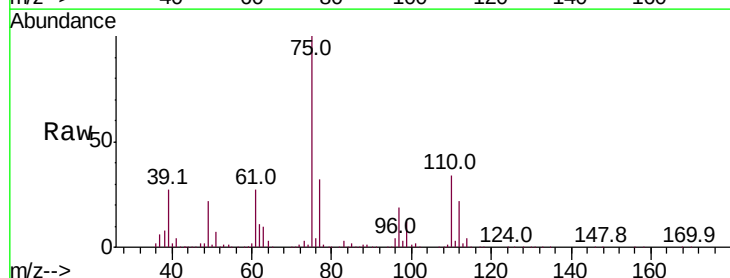
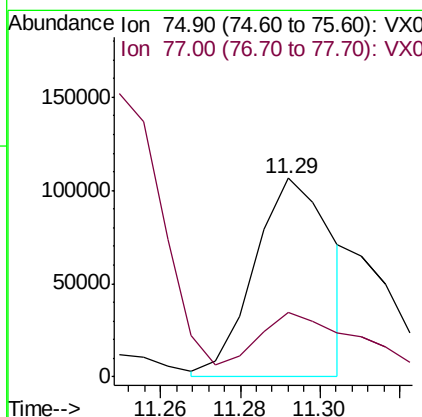
RT: 11.29 min Scan# 1663

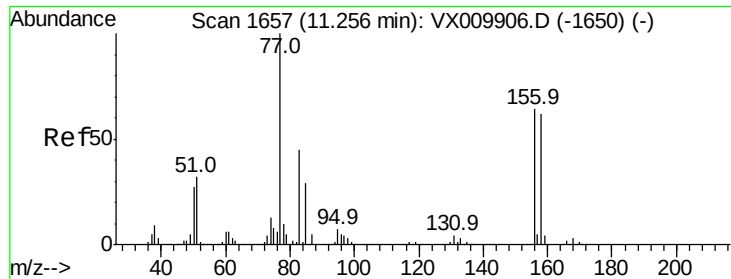
Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Tgt Ion:	75	Resp:	143109
Ion Ratio	Lower	Upper	
75	100		
77	43.9	22.1	66.1





#77

Bromobenzene

Concen: 52.955 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Instrument :

MSVOA_X

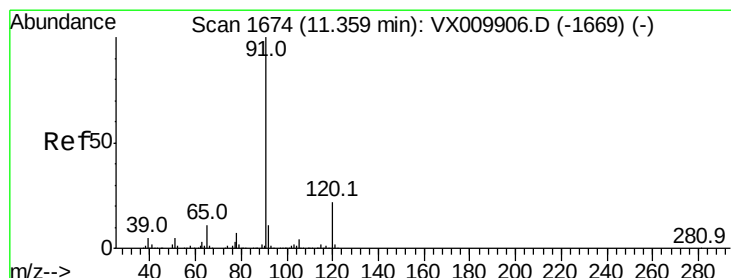
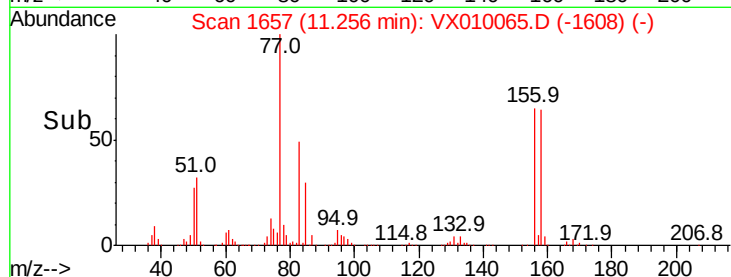
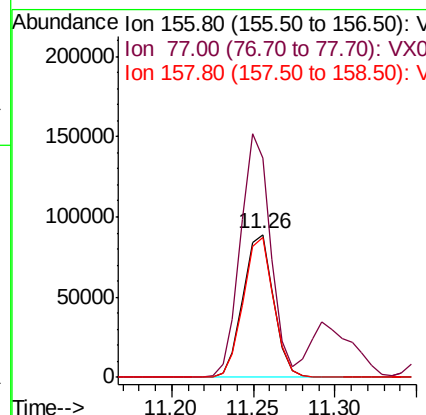
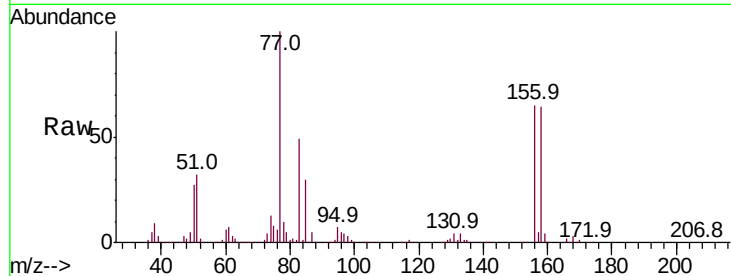
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	116848
Ion Ratio	Lower	Upper	
156	100		
77	167.3	84.8	254.3
158	97.1	49.1	147.3

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:02 AM



#78

n-propylbenzene

Concen: 55.459 ug/l

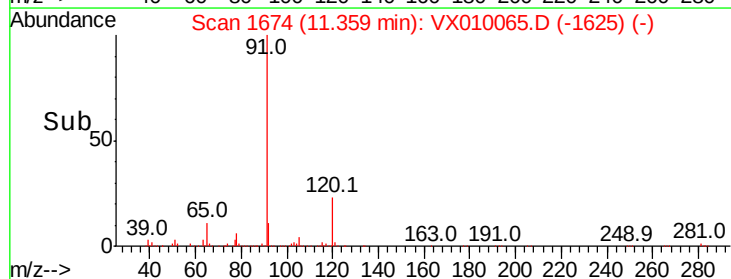
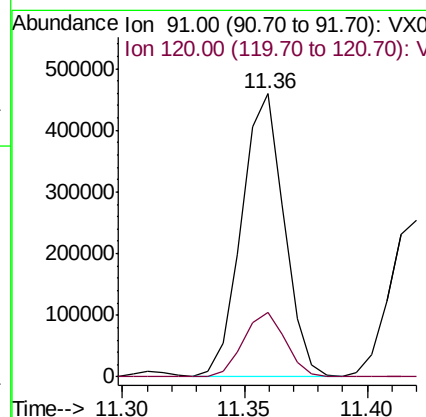
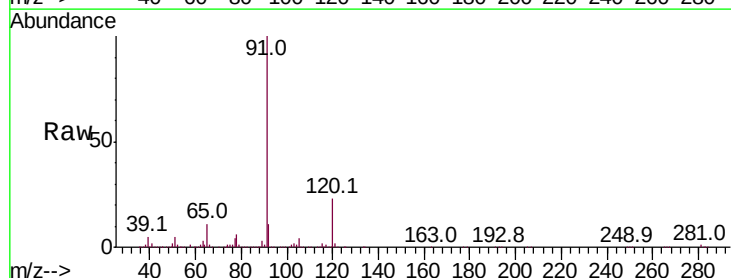
RT: 11.36 min Scan# 1674

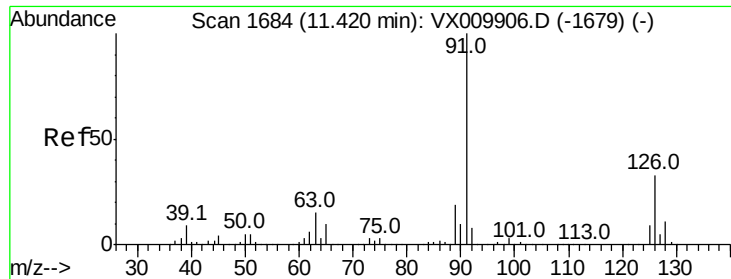
Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Tgt Ion:	91	Resp:	553495
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.0	33.0





#79

2-Chlorotoluene

Concen: 52.940 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 322811

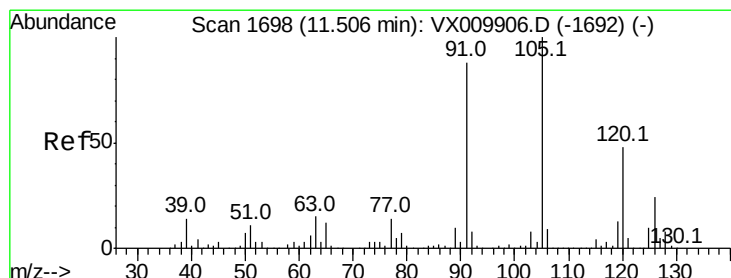
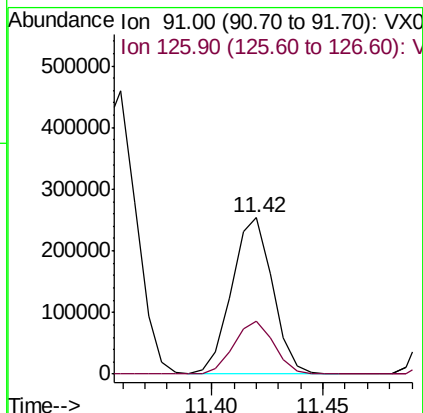
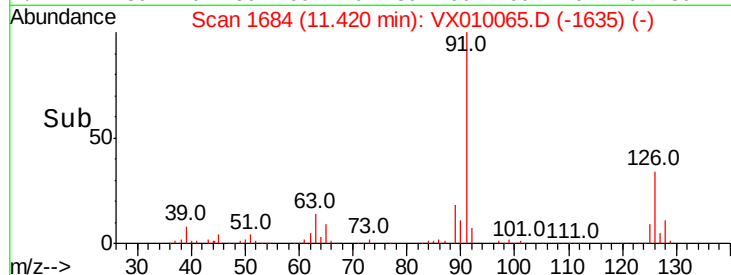
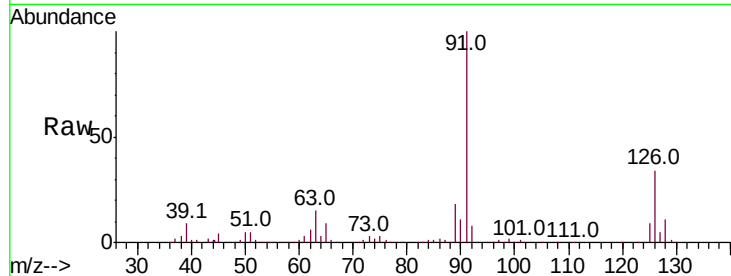
Ion Ratio Lower Upper

91 100

126 33.4 16.3 48.9

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:02 AM



#80

1,3,5-Trimethylbenzene

Concen: 55.081 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010065.D

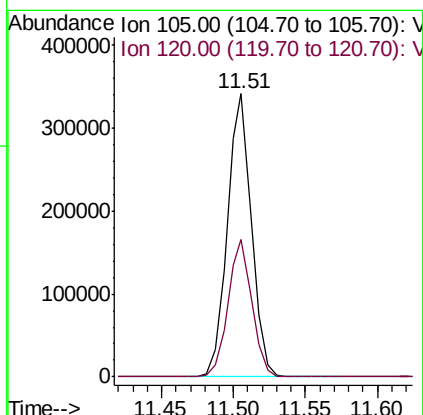
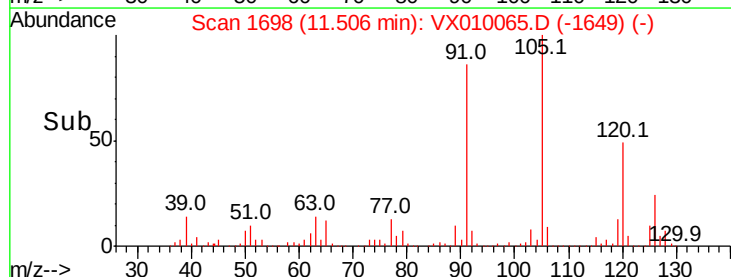
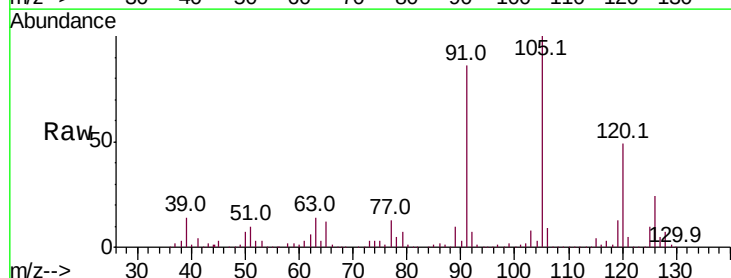
Acq: 05 Jun 2019 10:20

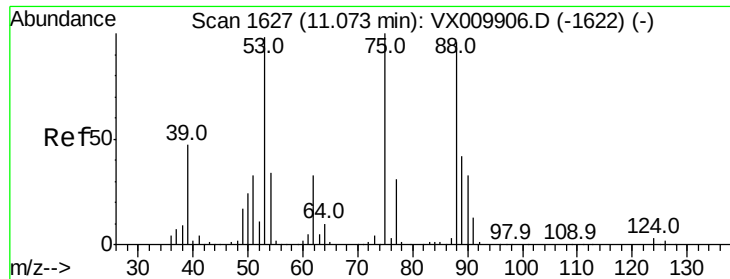
Tgt Ion: 105 Resp: 401786

Ion Ratio Lower Upper

105 100

120 48.1 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 52.494 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Instrument :

MSVOA_X

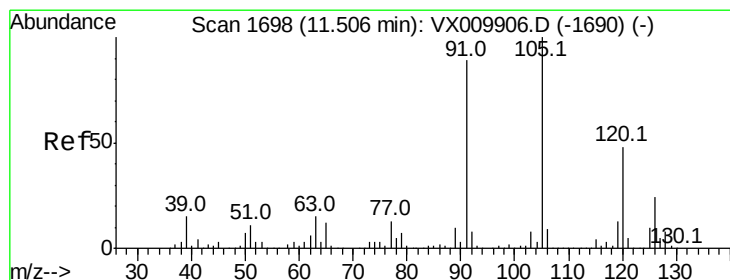
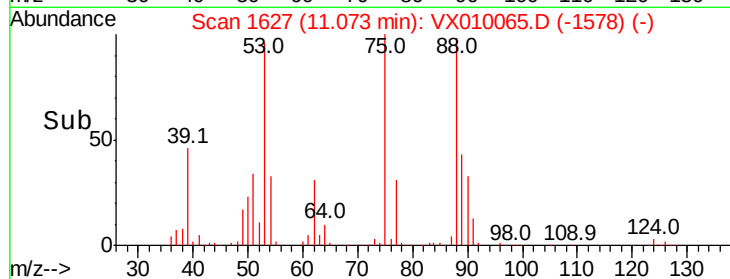
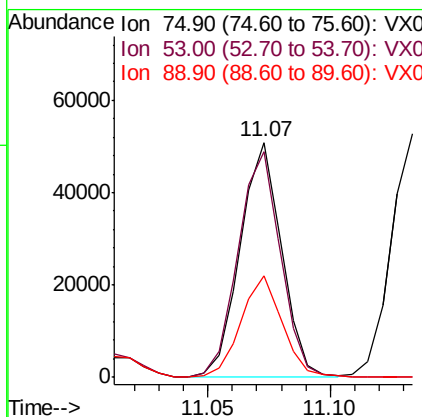
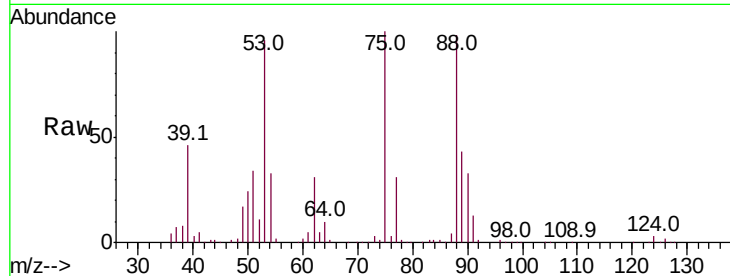
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	59540
Ion	Ratio	Lower	Upper
75	100		
53	99.2	79.0	118.6
89	43.8	34.7	52.1

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:02 AM



#82

4-Chlorotoluene

Concen: 53.364 ug/l

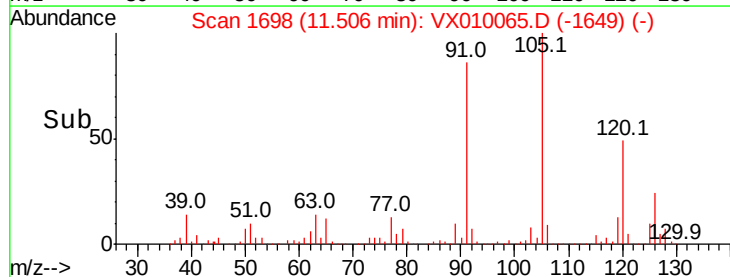
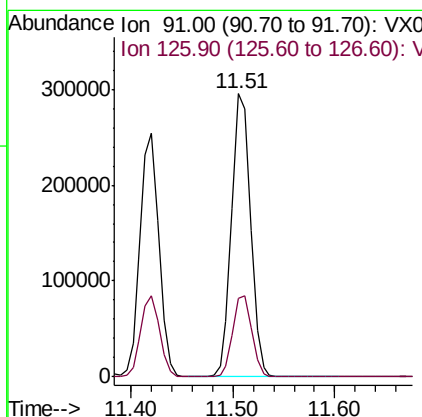
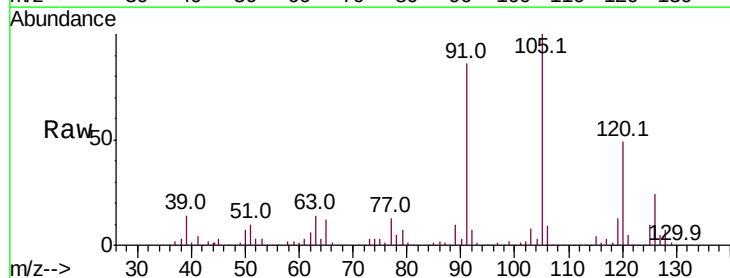
RT: 11.51 min Scan# 1698

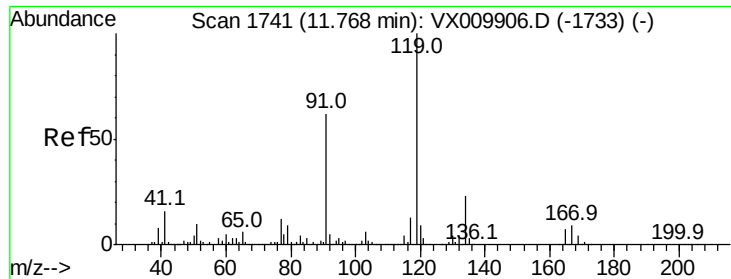
Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Tgt Ion:	91	Resp:	378797
Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.5	43.6





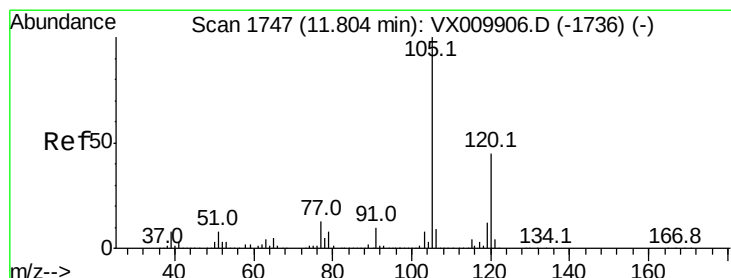
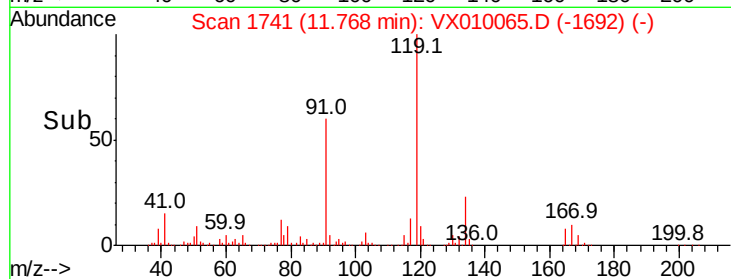
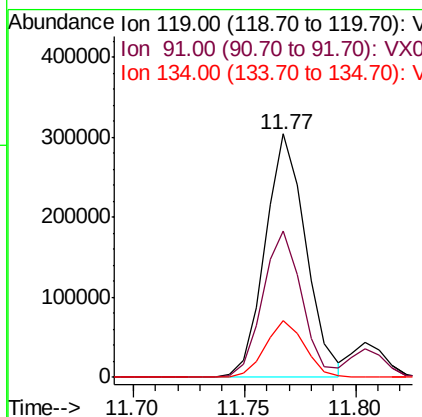
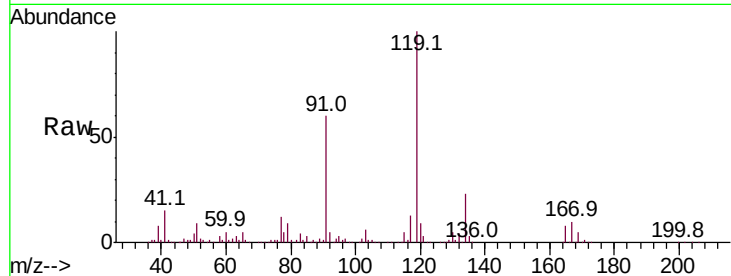
#83
 tert-Butylbenzene
 Concen: 55.149 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX010065.D
 Acq: 05 Jun 2019 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100			
91	58.5	29.5	88.5	
134	22.4	11.4	34.1	

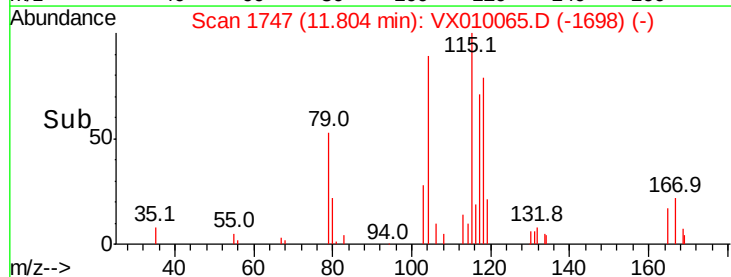
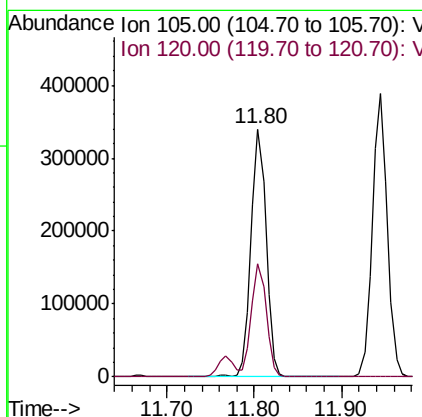
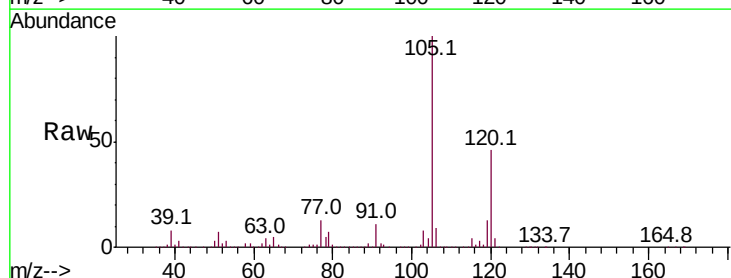
Manual Integrations
 APPROVED

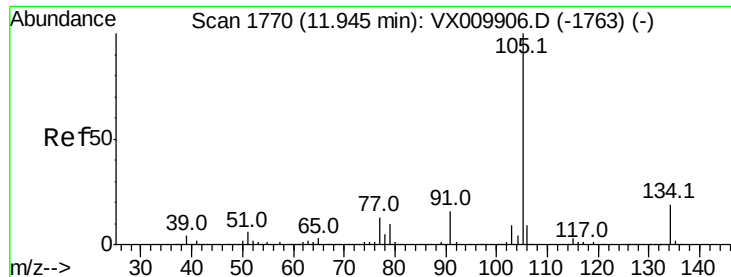
MMDadoda
 6/6/2019 9:32:02 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.593 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010065.D
 Acq: 05 Jun 2019 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
120	45.3	22.0	66.0	





#85

sec-Butylbenzene

Concen: 56.290 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 467334

Ion Ratio Lower Upper

105 100

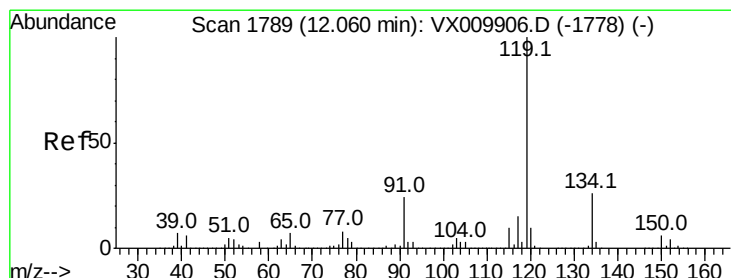
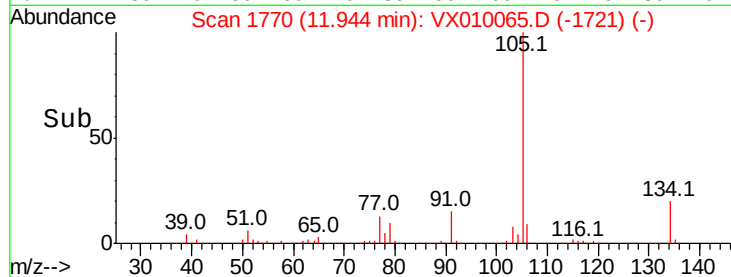
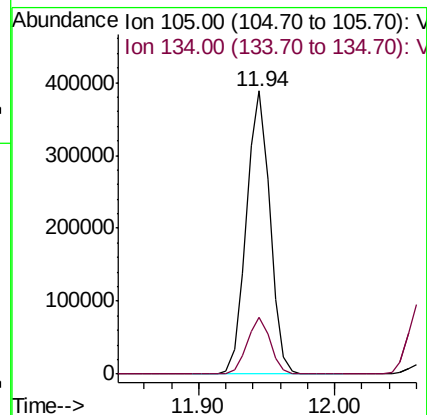
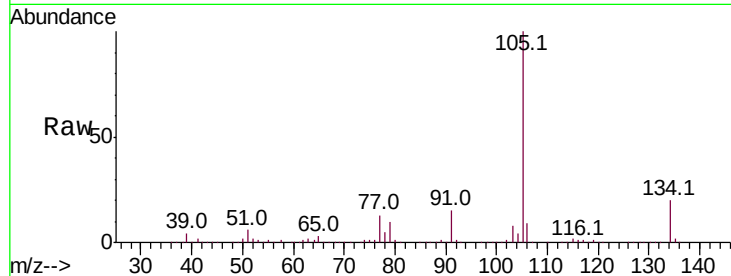
134 19.8 9.7 28.9

Manual Integrations

APPROVED

MMDadoda

6/6/2019 9:32:02 AM



#86

p-Isopropyltoluene

Concen: 58.244 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

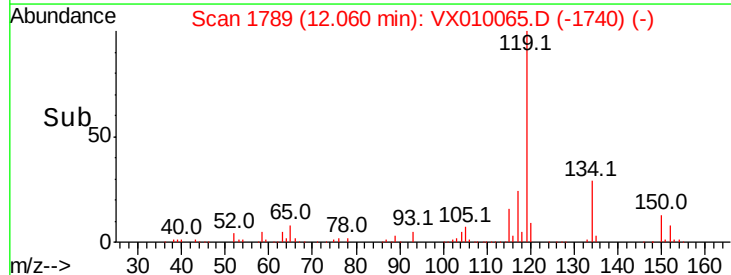
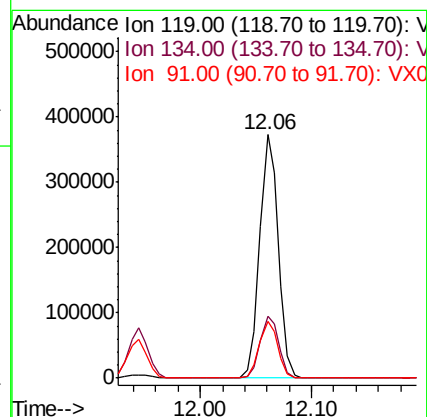
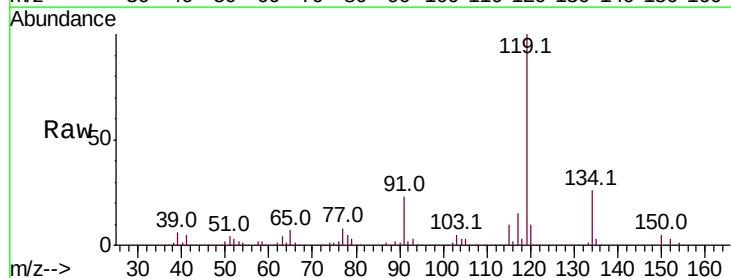
Tgt Ion:119 Resp: 434950

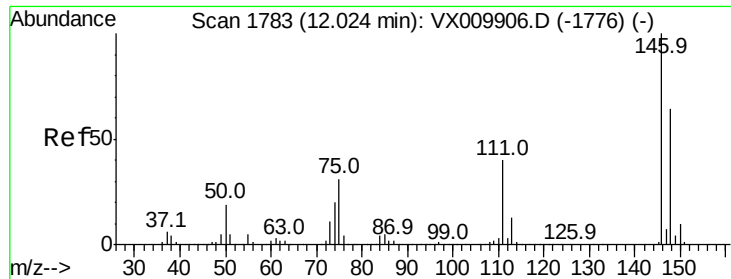
Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

91 23.4 11.8 35.4





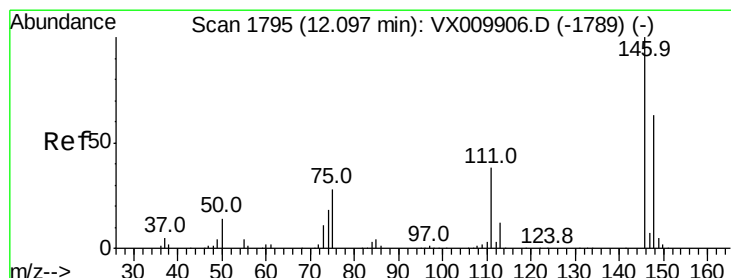
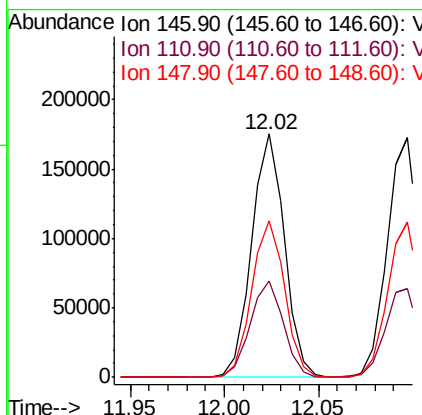
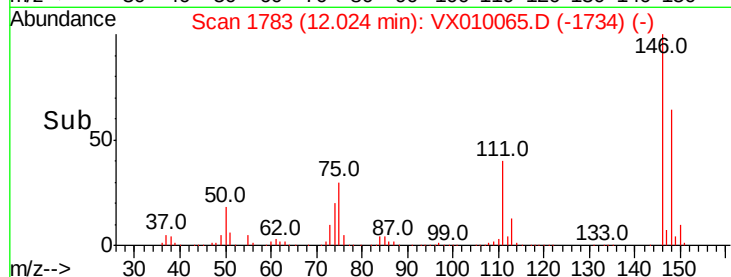
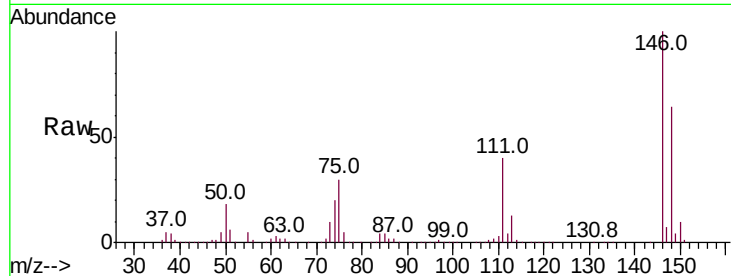
#87
 1,3-Dichlorobenzene
 Concen: 53.843 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010065.D
 Acq: 05 Jun 2019 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	64.7	31.8	95.3

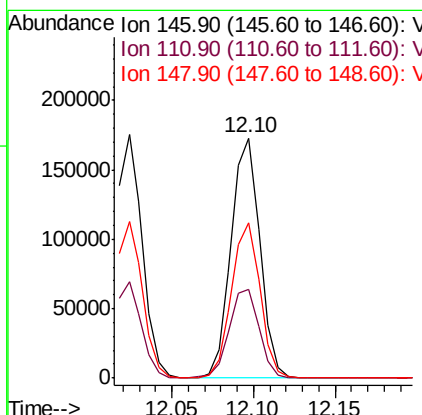
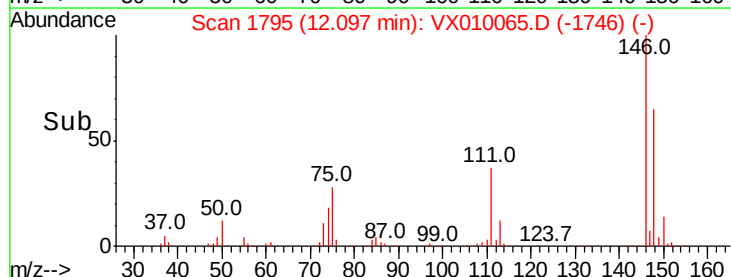
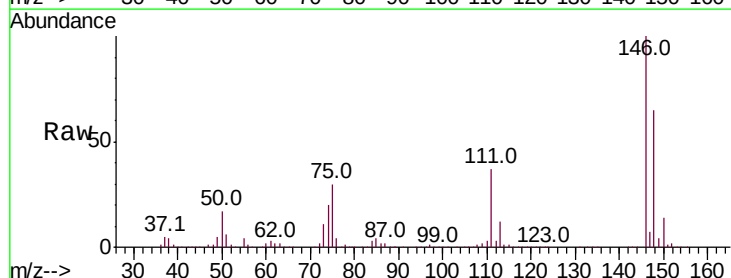
Manual Integrations
 APPROVED

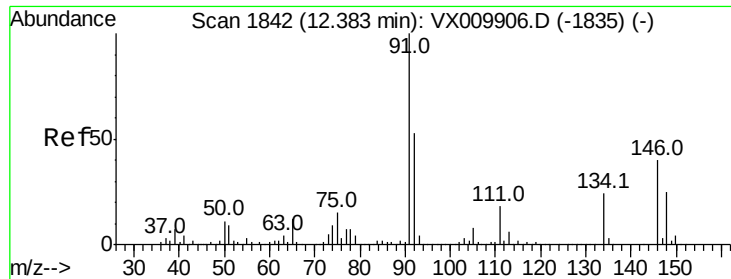
MMDadoda
 6/6/2019 9:32:02 AM



#88
 1,4-Dichlorobenzene
 Concen: 53.169 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010065.D
 Acq: 05 Jun 2019 10:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.6	58.8
148	64.2	31.8	95.3





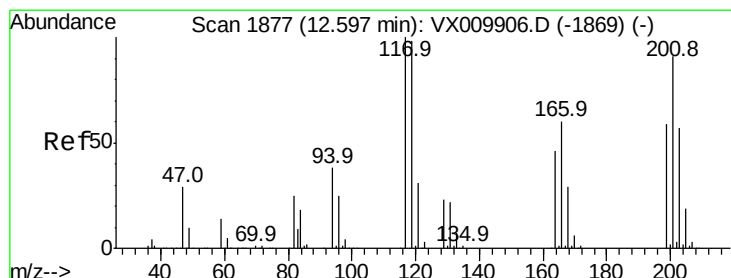
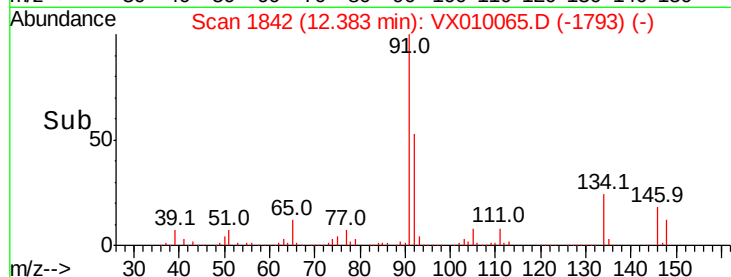
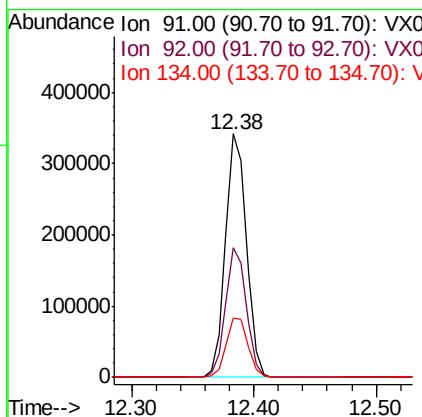
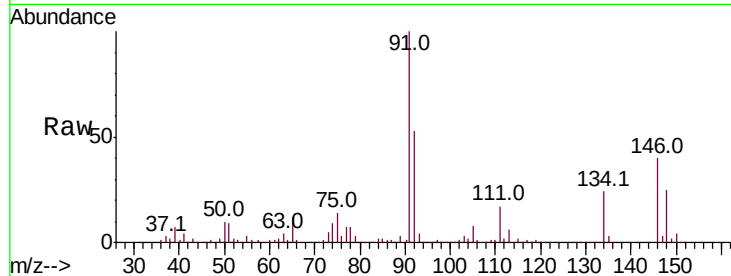
#89
n-Butylbenzene
Concen: 57.611 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.5	79.5
134	25.1	12.4	37.2

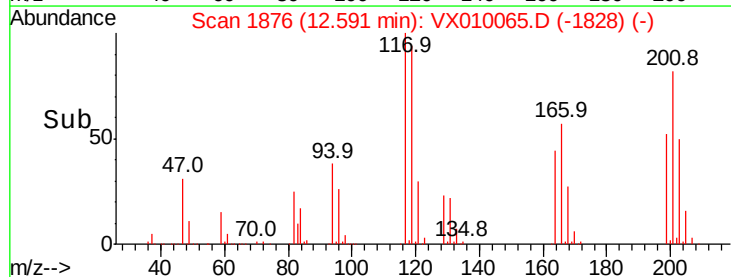
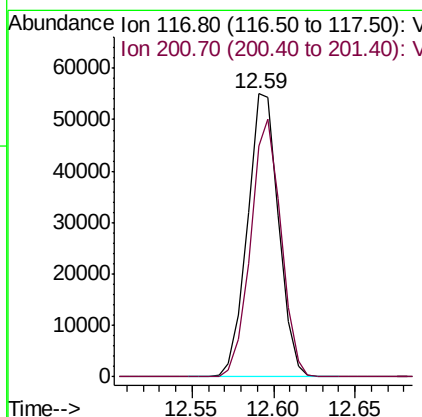
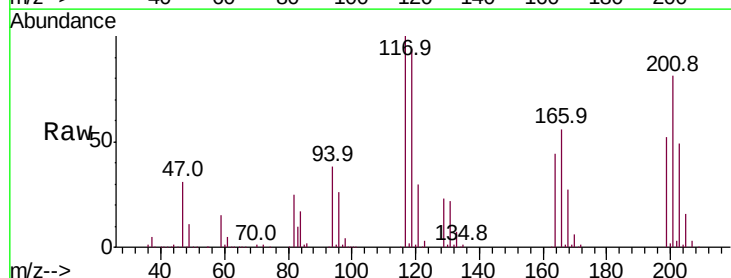
Manual Integrations
APPROVED

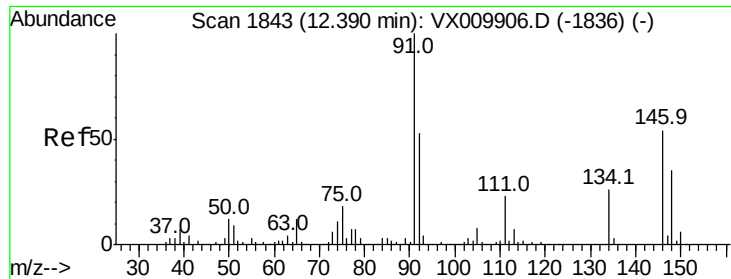
MMDadoda
6/6/2019 9:32:02 AM



#90
Hexachloroethane
Concen: 57.359 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.3	42.3	126.9





#91

1,2-Dichlorobenzene

Concen: 53.148 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Instrument :

MSVOA_X

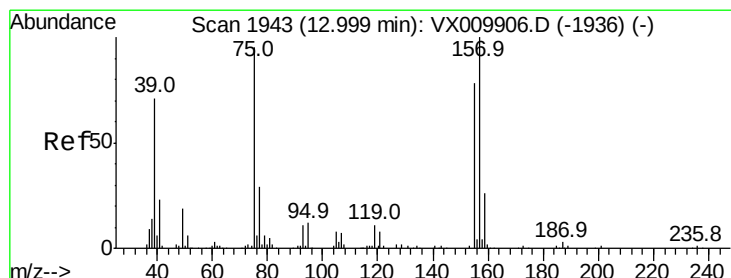
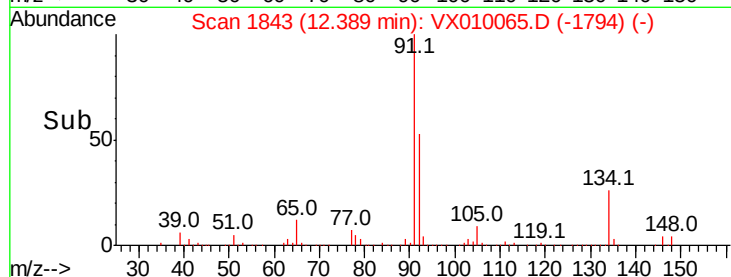
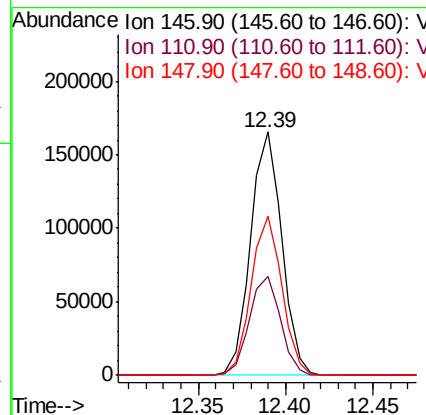
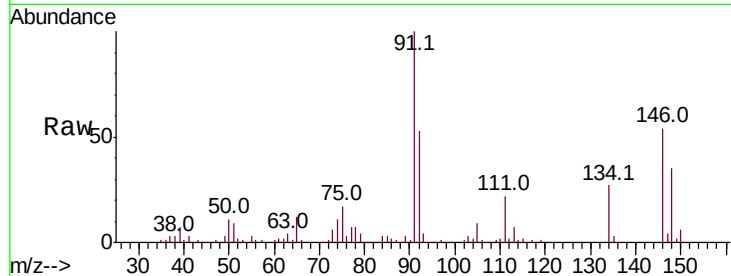
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	205849
Ion Ratio	Lower	Upper	
146	100		
111	40.9	20.8	62.4
148	64.5	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:02 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.971 ug/l

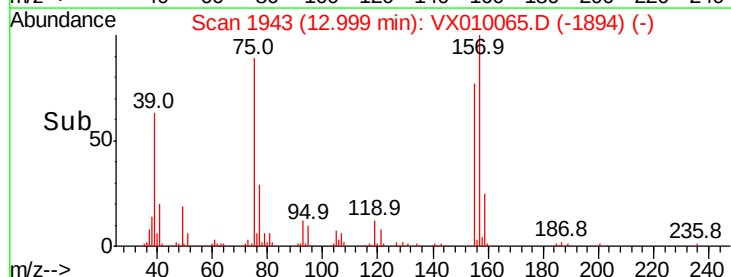
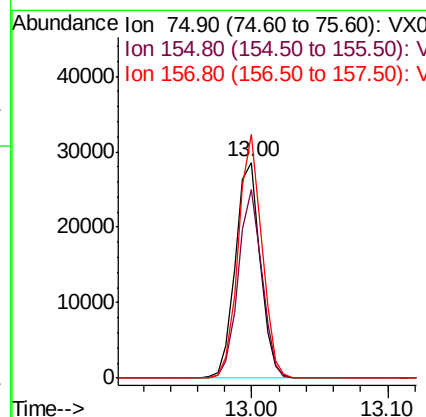
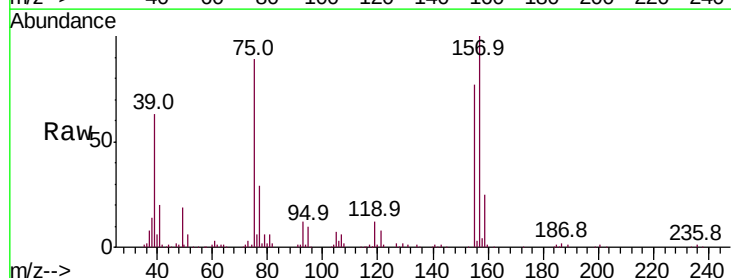
RT: 13.00 min Scan# 1943

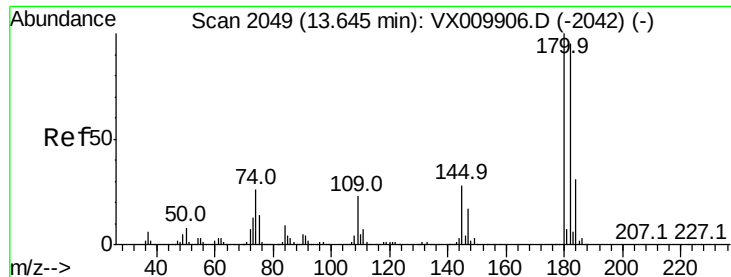
Delta R.T. -0.00 min

Lab File: VX010065.D

Acq: 05 Jun 2019 10:20

Tgt Ion:	75	Resp:	36475
Ion Ratio	Lower	Upper	
75	100		
155	83.0	42.0	126.0
157	106.7	53.2	159.6





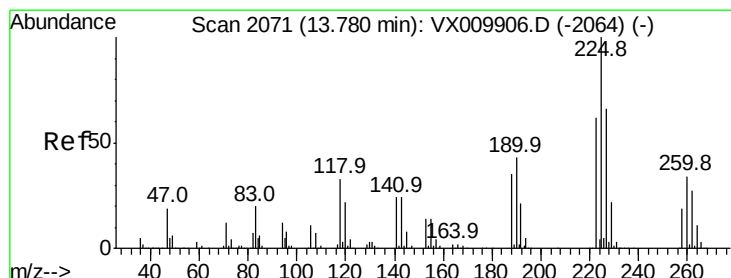
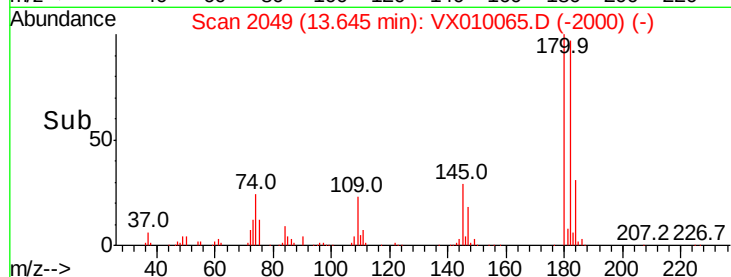
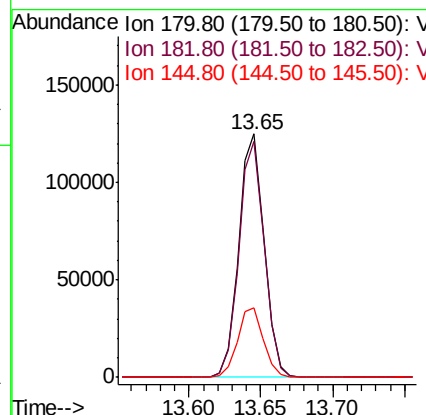
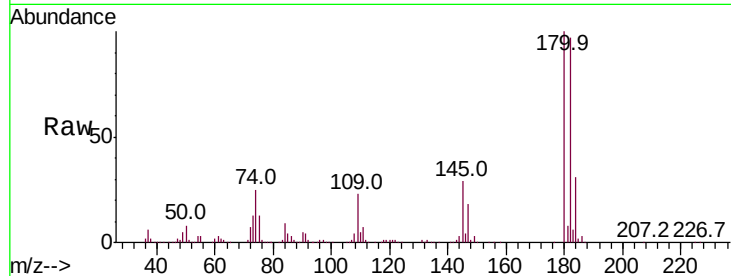
#93
 1,2,4-Trichlorobenzene
 Concen: 55.512 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010065.D
 Acq: 05 Jun 2019 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.9	48.4	145.2	
145	29.0	14.6	43.8	

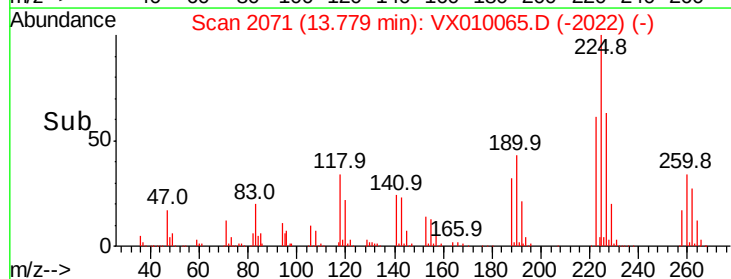
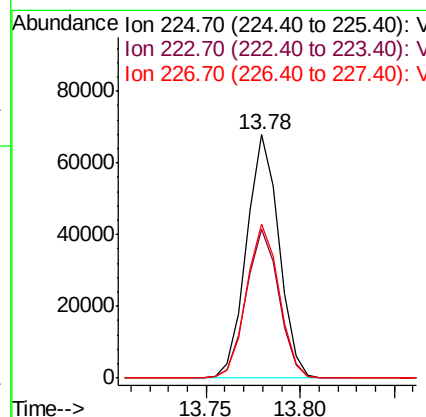
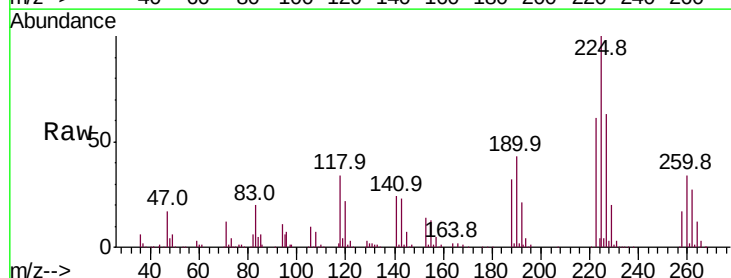
Manual Integrations
 APPROVED

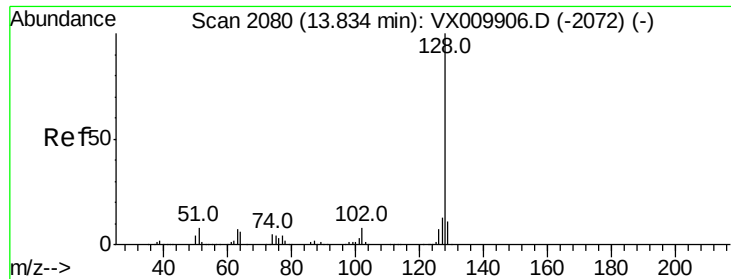
MMDadoda
 6/6/2019 9:32:02 AM



#94
 Hexachlorobutadiene
 Concen: 58.074 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010065.D
 Acq: 05 Jun 2019 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.1	31.3	93.8	
227	63.9	31.8	95.3	





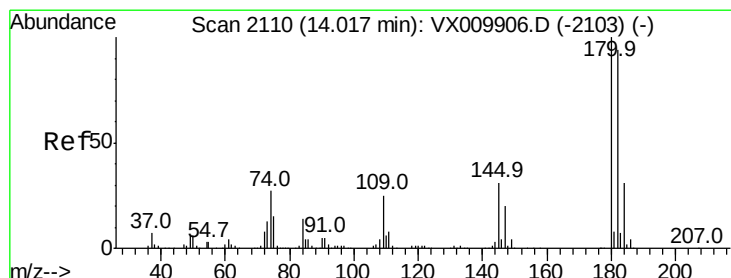
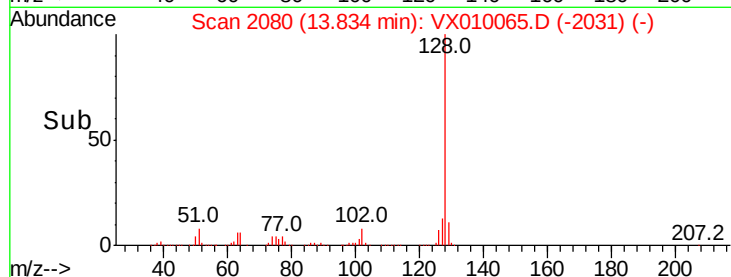
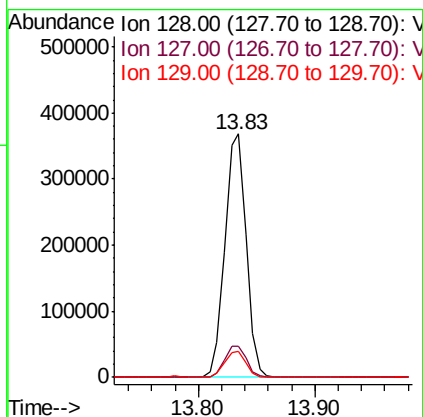
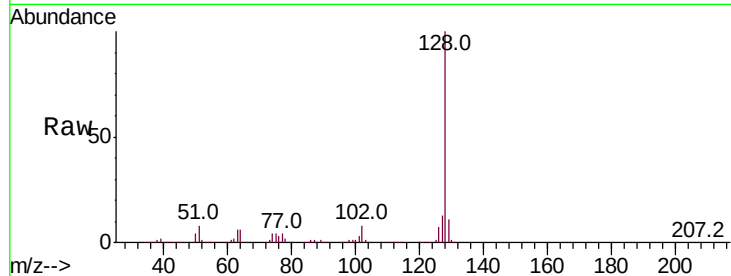
#95
Naphthalene
Concen: 54.086 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:32:02 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.288 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX010065.D
Acq: 05 Jun 2019 10:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.8	143.4
145	31.0	15.4	46.4

