

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX071019\
 Data File : VX010792.D
 Acq On : 10 Jul 2019 21:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/11/2019 10:54:17 AM

Quant Time: Jul 11 03:42:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	201307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	307178	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	284227	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	155154	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	93331	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
35) Dibromofluoromethane	5.50	113	89191	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
50) Toluene-d8	8.71	98	325913	45.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.66%	
62) 4-Bromofluorobenzene	11.13	95	125629	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	80722	57.677	ug/l	100
3) Chloromethane	1.32	50	89207	54.739	ug/l	99
4) Vinyl Chloride	1.41	62	94582	52.987	ug/l	100
5) Bromomethane	1.64	94	50745	58.353	ug/l	98
6) Chloroethane	1.71	64	59893	56.872	ug/l	99
7) Trichlorofluoromethane	1.92	101	161703	57.146	ug/l	98
8) Diethyl Ether	2.19	74	57828	56.987	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	90160	52.578	ug/l	98
10) Methyl Iodide	2.51	142	124310	50.796	ug/l	96
11) Tert butyl alcohol	3.06	59	116766	236.423	ug/l	98
12) 1,1-Dichloroethene	2.37	96	91939	52.691	ug/l	98
13) Acrolein	2.29	56	72865	222.400	ug/l	100
14) Allyl chloride	2.73	41	132049	53.305	ug/l	98
15) Acrylonitrile	3.14	53	270825	276.964	ug/l	100
16) Acetone	2.45	43	217596	230.033	ug/l	96
17) Carbon Disulfide	2.57	76	219135	46.811	ug/l	99
18) Methyl Acetate	2.78	43	108030	57.301	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	296864	54.081	ug/l	99
20) Methylene Chloride	2.85	84	105067	53.972	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	96521	51.433	ug/l	100
22) Diisopropyl ether	3.85	45	286458	55.308	ug/l	98
23) Vinyl Acetate	3.82	43	1262051	282.061	ug/l	98
24) 1,1-Dichloroethane	3.70	63	162379	54.238	ug/l	99
25) 2-Butanone	4.68	43	366309	263.994	ug/l	99
26) 2,2-Dichloropropane	4.58	77	112155	43.124	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	112683	51.961	ug/l	99
28) Bromochloromethane	5.02	49	70640	49.350	ug/l	95
29) Tetrahydrofuran	5.13	42	239996	279.238	ug/l	98
30) Chloroform	5.21	83	173116	53.743	ug/l	100
31) Cyclohexane	5.57	56	143296	52.560	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	151927	53.414	ug/l	99
36) 1,1-Dichloropropene	5.80	75	124571	51.033	ug/l	98
37) Ethyl Acetate	4.84	43	136352	54.297	ug/l	99
38) Carbon Tetrachloride	5.78	117	131903	49.901	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX071019\
 Data File : VX010792.D
 Acq On : 10 Jul 2019 21:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/11/2019 10:54:17 AM

Quant Time: Jul 11 03:42:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	156779	48.862	ug/l	97
40) Benzene	6.14	78	393321	51.720	ug/l	98
41) Methacrylonitrile	5.04	41	74962	54.405	ug/l	98
42) 1,2-Dichloroethane	6.19	62	129082	55.761	ug/l	98
43) Isopropyl Acetate	6.45	43	221746	53.372	ug/l	98
44) Trichloroethene	7.21	130	113008	49.661	ug/l	99
45) 1,2-Dichloropropane	7.51	63	99206	51.658	ug/l	99
46) Dibromomethane	7.66	93	73022	52.996	ug/l	95
47) Bromodichloromethane	7.90	83	128076	50.721	ug/l	97
48) Methyl methacrylate	7.77	41	108025	55.937	ug/l	97
49) 1,4-Dioxane	7.74	88	58666	1054.528	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	747496	281.308	ug/l	98
52) Toluene	8.79	92	257326	51.382	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	139669	49.335	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	155907	50.677	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	109881	53.200	ug/l	99
56) Ethyl methacrylate	9.18	69	167330	53.479	ug/l	96
57) 1,3-Dichloropropane	9.37	76	169410	52.838	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	355372	239.149	ug/l	99
59) 2-Hexanone	9.49	43	577603	276.190	ug/l	98
60) Dibromochloromethane	9.58	129	115868	50.103	ug/l	100
61) 1,2-Dibromoethane	9.67	107	117172	52.557	ug/l	99
64) Tetrachloroethene	9.34	164	102815	44.723	ug/l	98
65) Chlorobenzene	10.13	112	292423	50.677	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	106765	50.795	ug/l	100
67) Ethyl Benzene	10.25	91	506855	52.030	ug/l	99
68) m/p-Xylenes	10.36	106	391968	103.843	ug/l	99
69) o-Xylene	10.69	106	189975	51.179	ug/l	98
70) Styrene	10.71	104	330166	53.037	ug/l	99
71) Bromoform	10.85	173	87912	48.096	ug/l #	99
73) Isopropylbenzene	11.02	105	507621	48.264	ug/l	99
74) N-amyl acetate	10.90	43	214097	53.864	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	176542	50.685	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	141326m	49.986	ug/l	
77) Bromobenzene	11.26	156	139660	47.555	ug/l	99
78) n-propylbenzene	11.36	91	573449	49.610	ug/l	99
79) 2-Chlorotoluene	11.42	91	338364	49.158	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	431929	49.816	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	49173	40.574	ug/l	89
82) 4-Chlorotoluene	11.51	91	392596	50.125	ug/l	100
83) tert-Butylbenzene	11.77	119	426754	49.039	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	435072	49.945	ug/l	100
85) sec-Butylbenzene	11.94	105	504746	49.399	ug/l	99
86) p-Isopropyltoluene	12.06	119	465622	49.266	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	247593	48.298	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	245345	47.011	ug/l	99
89) n-Butylbenzene	12.38	91	394727	49.150	ug/l	99
90) Hexachloroethane	12.60	117	74013	45.289	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	244966	48.080	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36184	48.182	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071019\
Data File : VX010792.D
Acq On : 10 Jul 2019 21:03
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
7/11/2019 10:54:17 AM

Quant Time: Jul 11 03:42:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	165550	46.855	ug/l	99
94) Hexachlorobutadiene	13.78	225	80343	46.526	ug/l	99
95) Naphthalene	13.83	128	535947	49.360	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	168882	48.074	ug/l	99

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

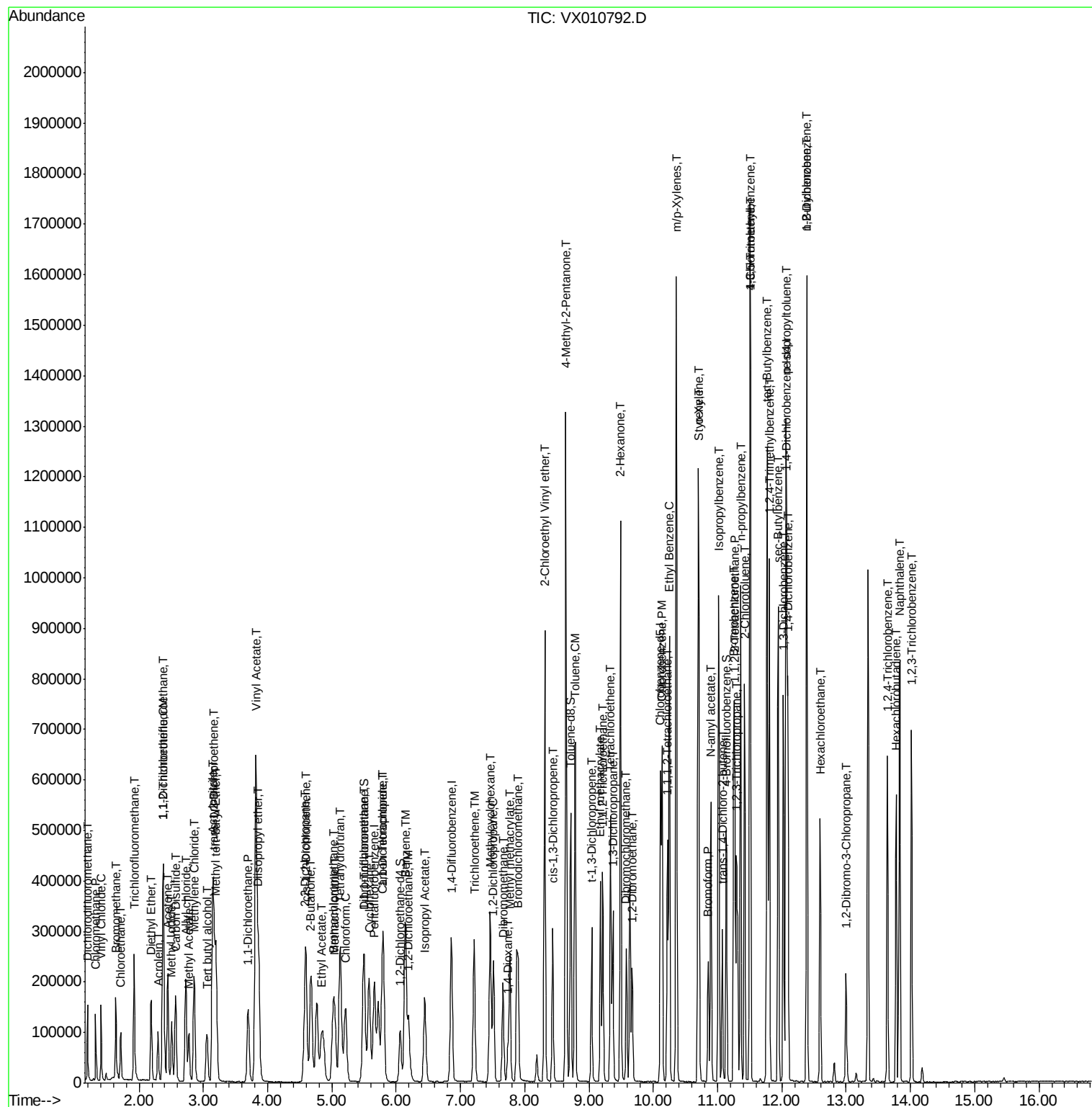
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX071019\
 Data File : VX010792.D
 Acq On : 10 Jul 2019 21:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

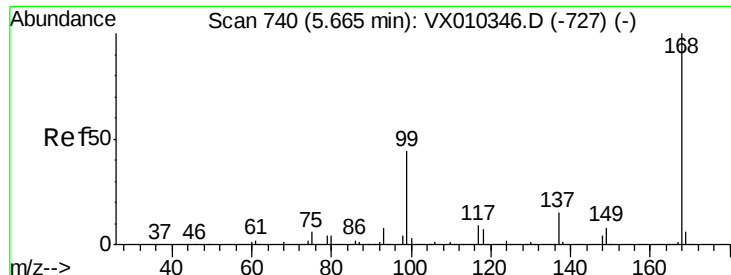
Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/11/2019 10:54:17 AM

Quant Time: Jul 11 03:42:28 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 168 Resp: 201307

Ion Ratio Lower Upper

168 100

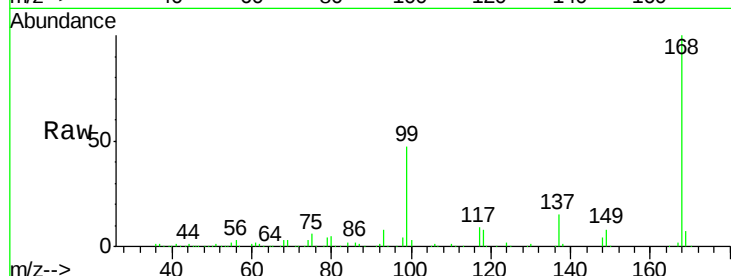
99 46.4 35.5 53.3

Manual Integrations

APPROVED

MMDadoda

7/11/2019 10:54:17 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

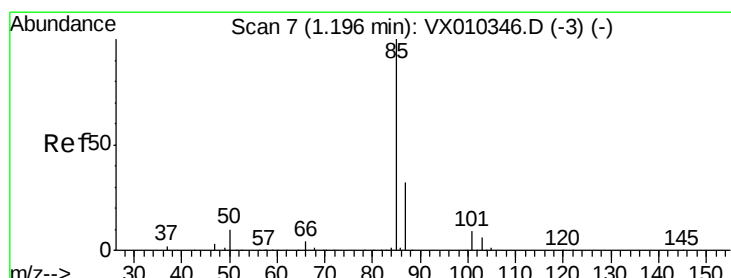
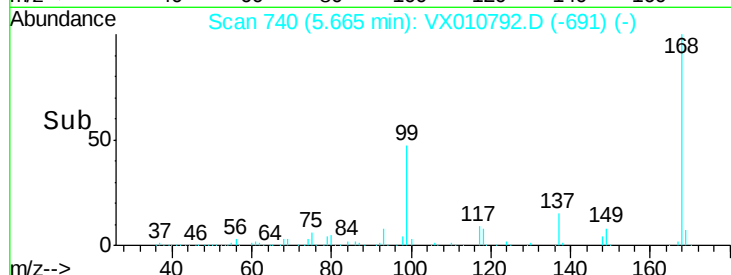
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 57.677 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010792.D

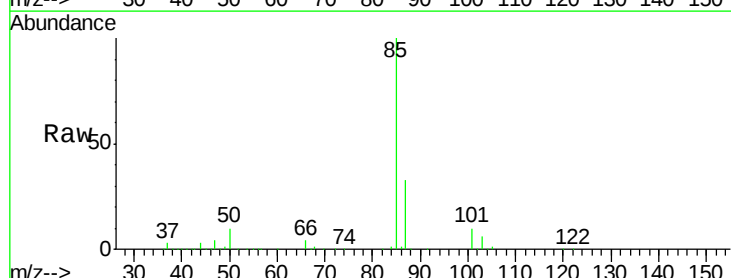
Acq: 10 Jul 2019 21:03

Tgt Ion: 85 Resp: 80722

Ion Ratio Lower Upper

85 100

87 32.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

100000

80000

60000

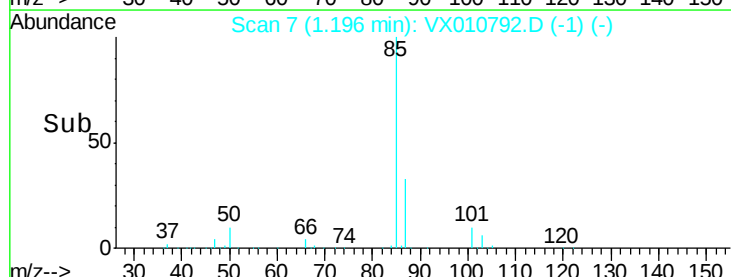
40000

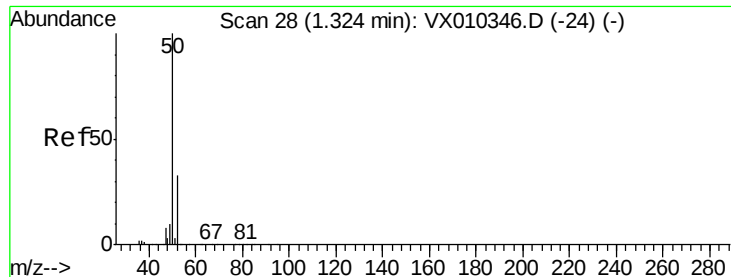
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 54.739 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 89207

Ion Ratio Lower Upper

50 100

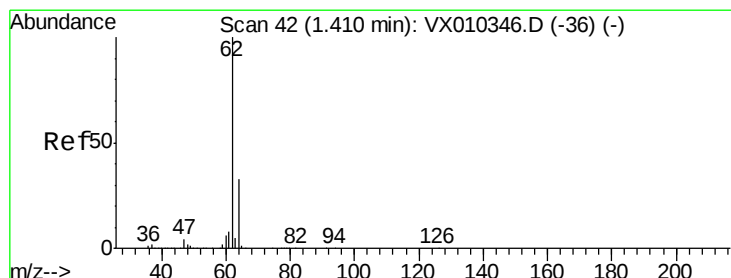
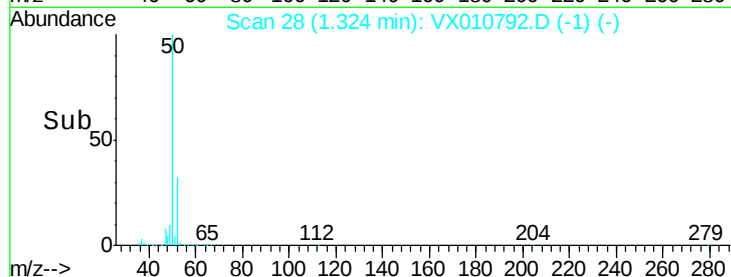
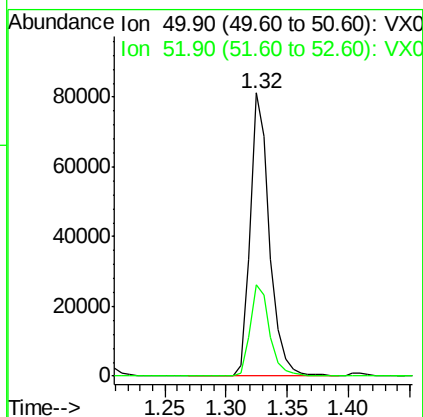
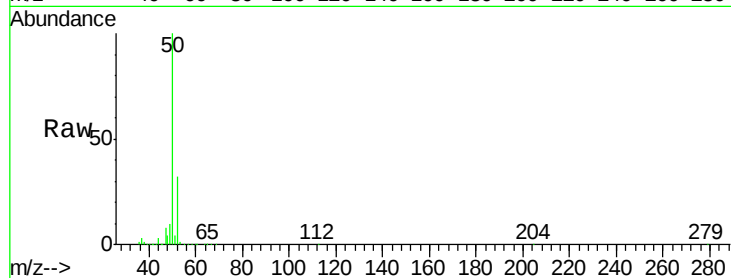
52 32.5 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

7/11/2019 10:54:17 AM



#4

Vinyl Chloride

Concen: 52.987 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010792.D

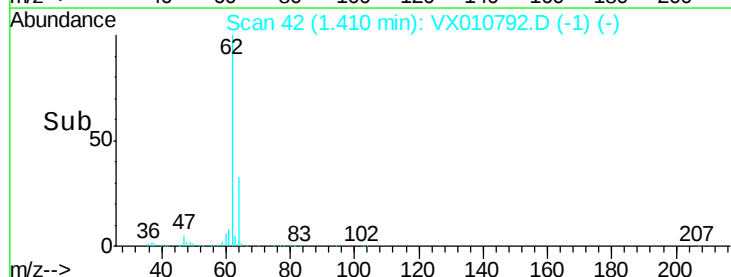
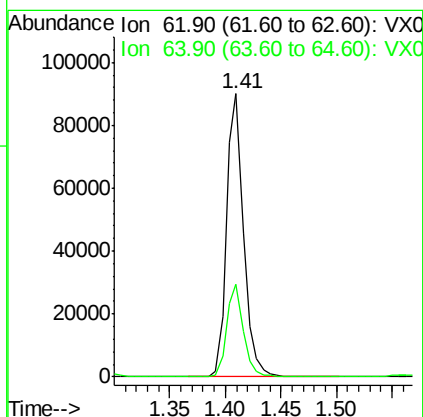
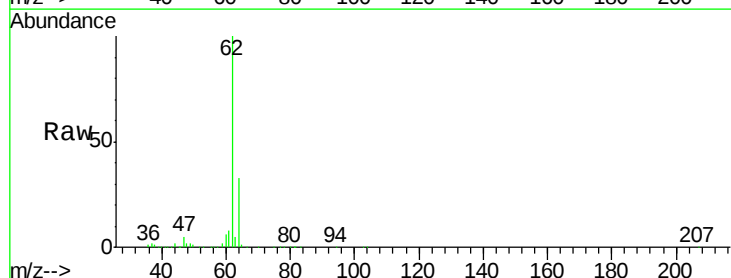
Acq: 10 Jul 2019 21:03

Tgt Ion: 62 Resp: 94582

Ion Ratio Lower Upper

62 100

64 32.7 26.2 39.4





#5

Bromomethane

Concen: 58.353 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 50745

Ion Ratio Lower Upper

94 100

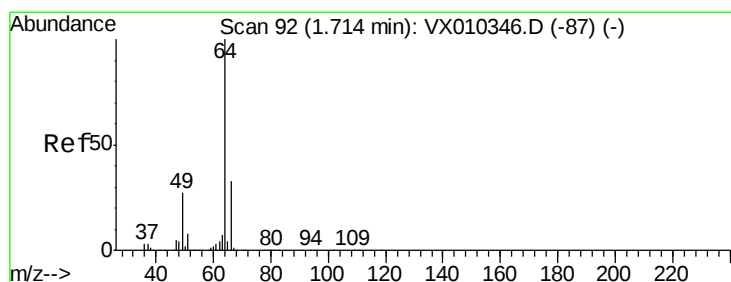
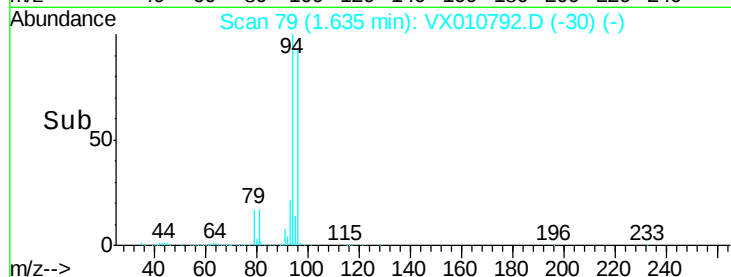
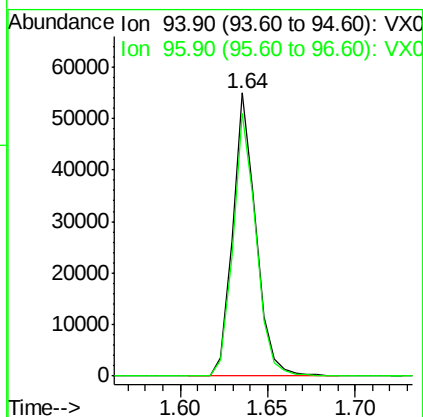
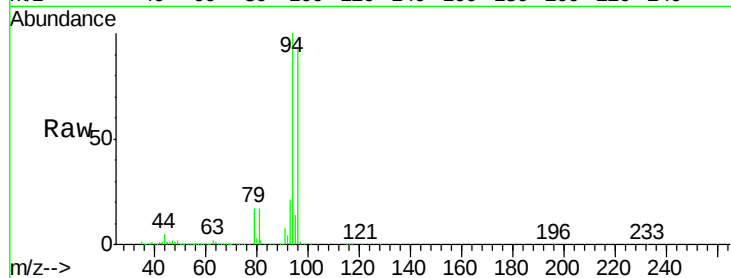
96 92.8 75.5 113.3

Manual Integrations

APPROVED

MMDadoda

7/11/2019 10:54:17 AM



#6

Chloroethane

Concen: 56.872 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010792.D

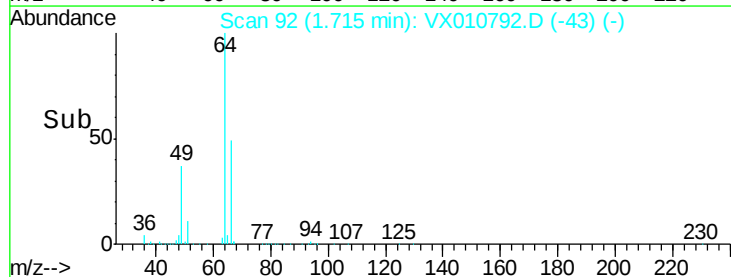
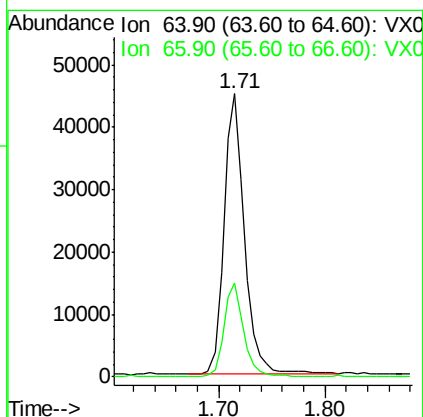
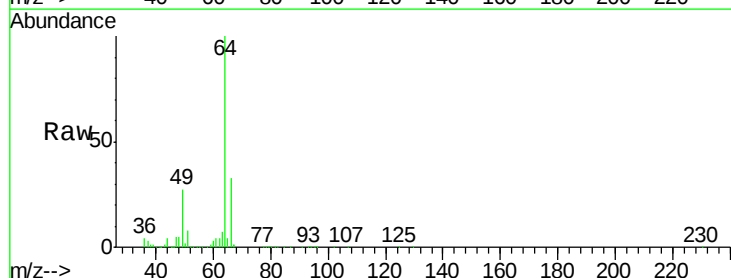
Acq: 10 Jul 2019 21:03

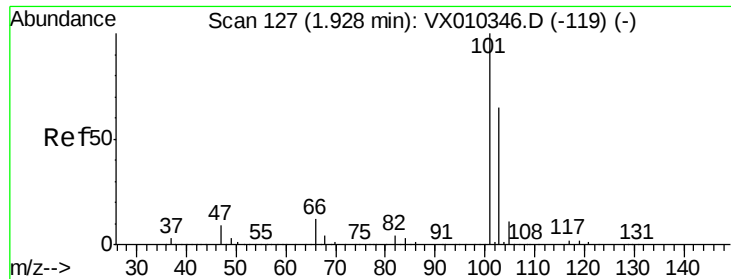
Tgt Ion: 64 Resp: 59893

Ion Ratio Lower Upper

64 100

66 33.0 26.6 40.0





#7

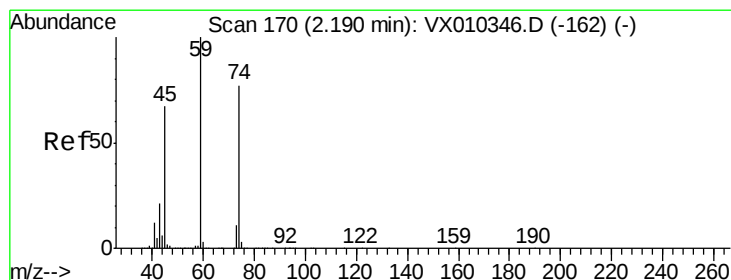
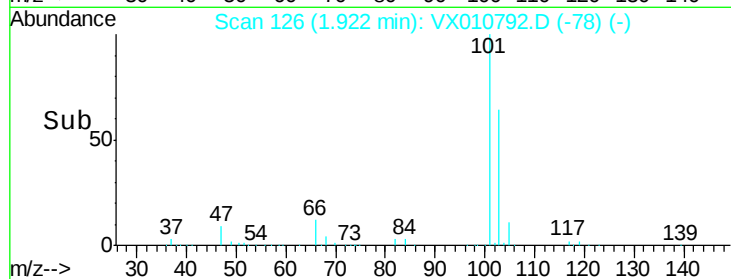
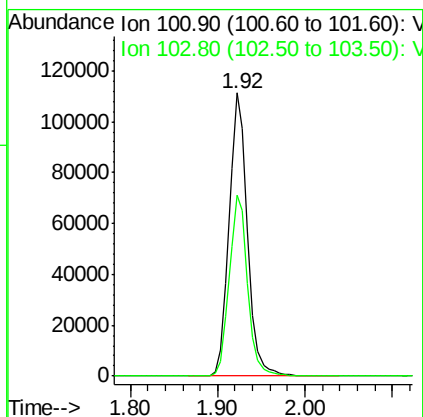
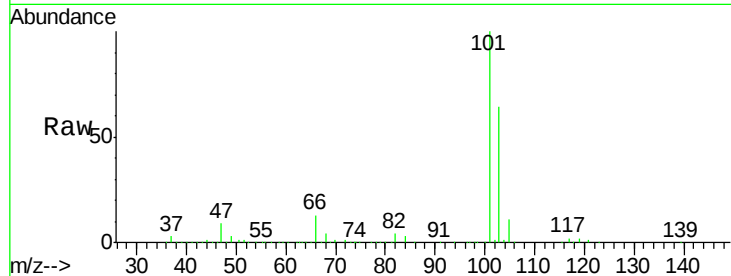
Trichlorofluoromethane
Concen: 57.146 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 101 Resp: 161703
Ion Ratio Lower Upper
101 100
103 63.9 52.3 78.5

Manual Integrations
APPROVED

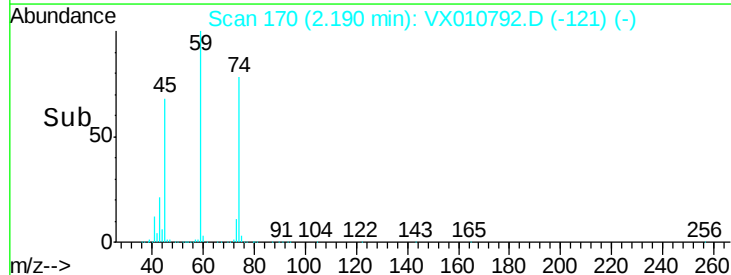
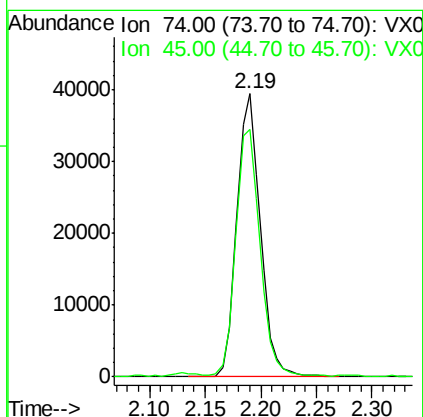
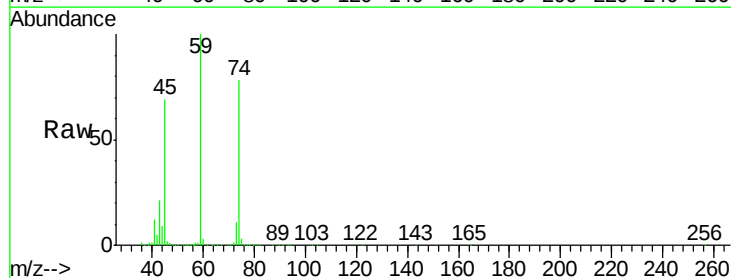
MMDadoda
7/11/2019 10:54:17 AM



#8

Diethyl Ether
Concen: 56.987 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Tgt Ion: 74 Resp: 57828
Ion Ratio Lower Upper
74 100
45 89.2 44.8 134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.578 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Instrument :

MSVOA_X

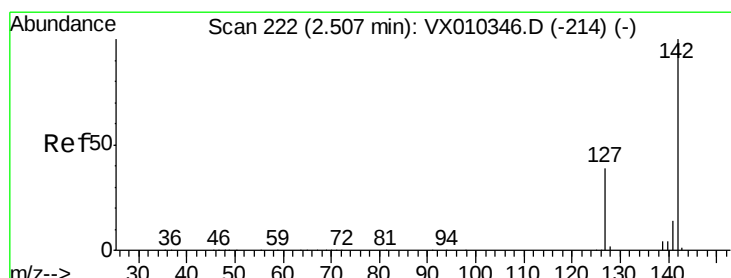
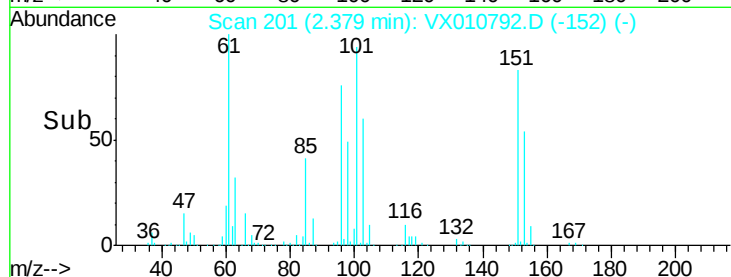
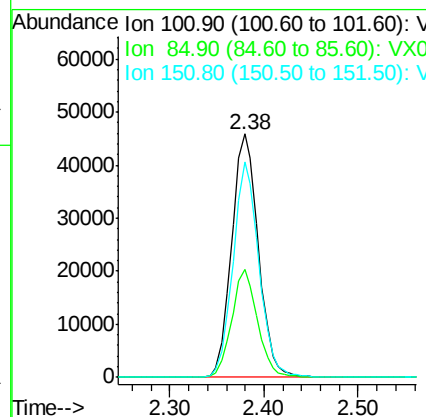
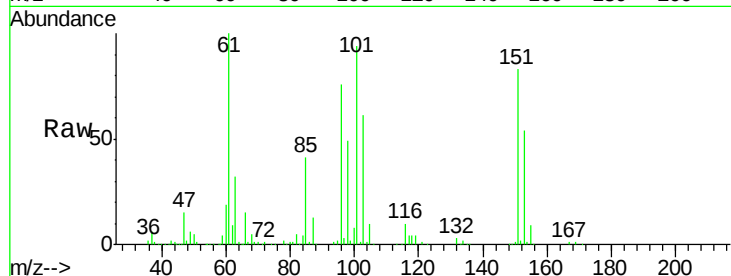
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	90160
Ion Ratio	Lower	Upper	
101	100		
85	43.0	33.7	50.5
151	86.1	70.1	105.1

Manual Integrations
APPROVED

MMDadoda
7/11/2019 10:54:17 AM



#10

Methyl Iodide

Concen: 50.796 ug/l

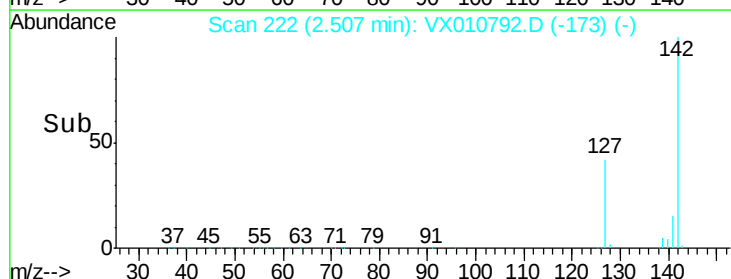
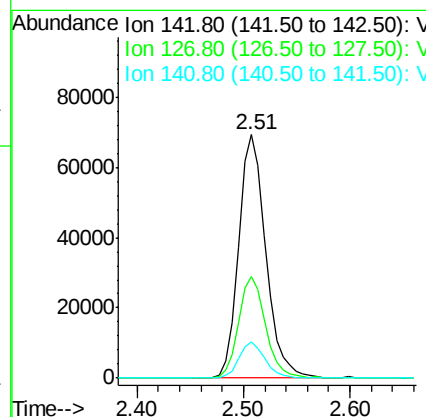
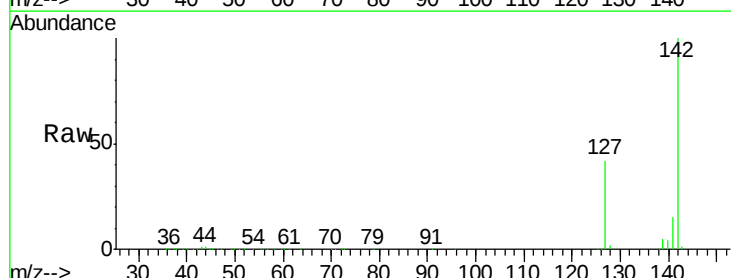
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Tgt Ion:	142	Resp:	124310
Ion Ratio	Lower	Upper	
142	100		
127	41.7	31.1	46.7
141	14.3	11.2	16.8





#11

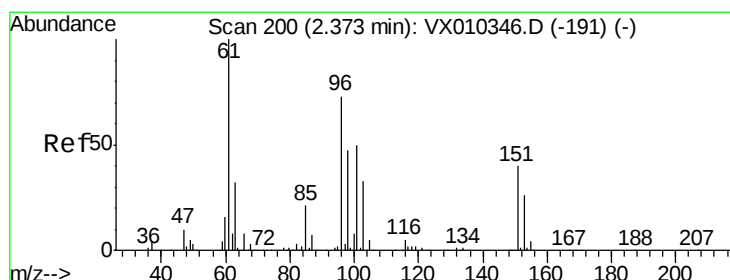
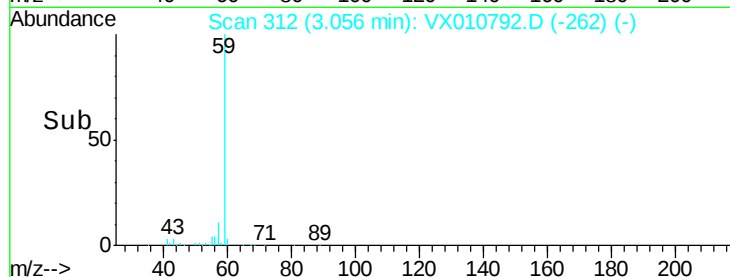
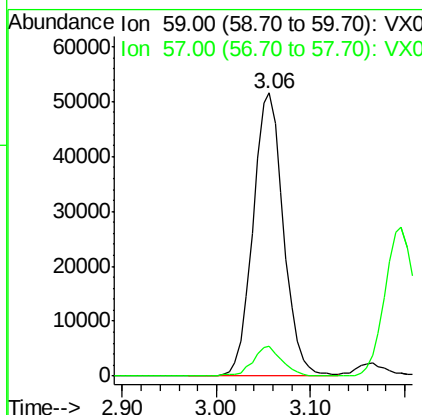
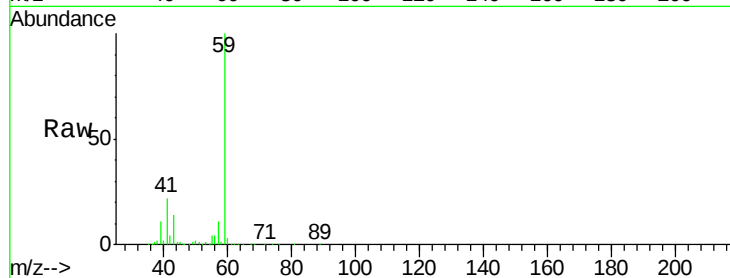
Tert butyl alcohol
Concen: 236.423 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 116766
Ion Ratio Lower Upper
59 100
57 10.4 7.7 11.5

Manual Integrations
APPROVED

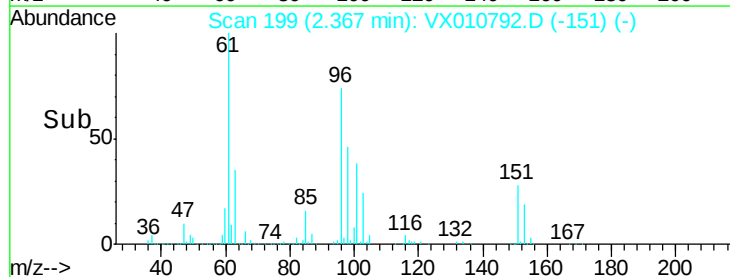
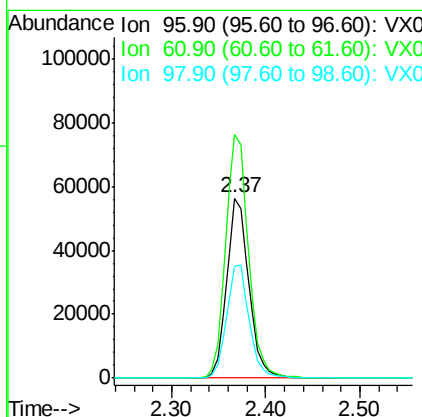
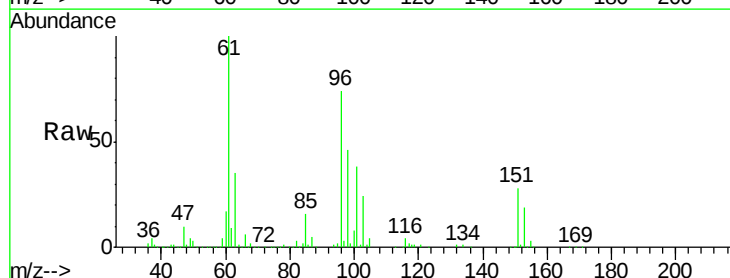
MMDadoda
7/11/2019 10:54:17 AM

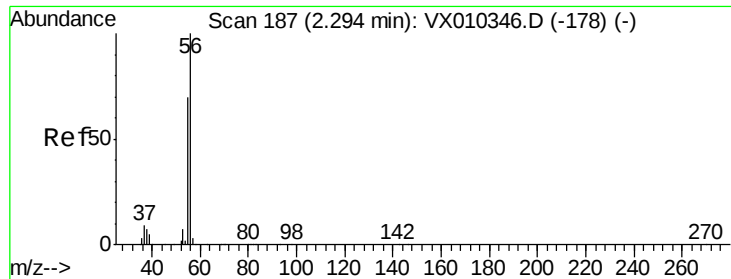


#12

1,1-Dichloroethene
Concen: 52.691 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Tgt Ion: 96 Resp: 91939
Ion Ratio Lower Upper
96 100
61 135.2 109.2 163.8
98 61.8 51.1 76.7





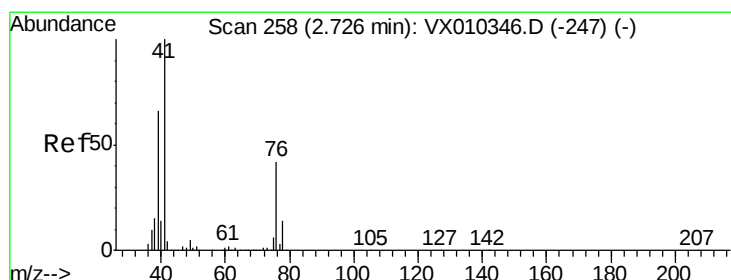
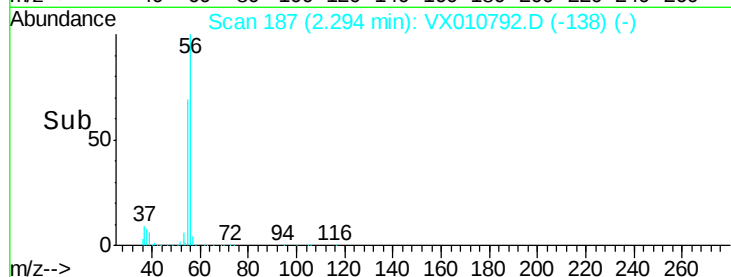
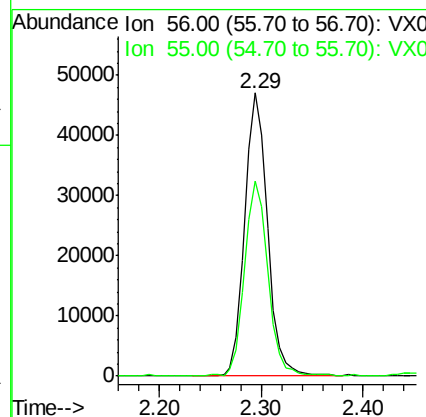
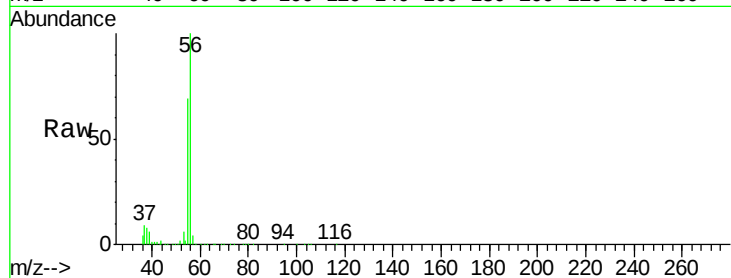
#13
Acrolein
Concen: 222.400 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.9	85.3

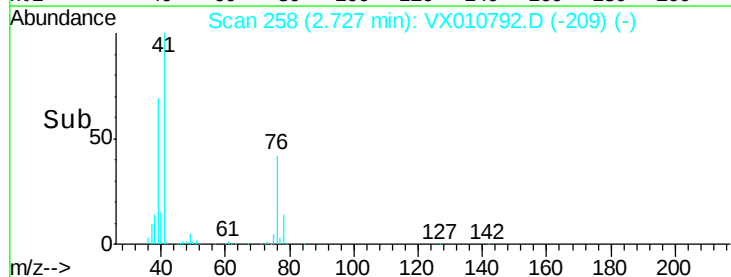
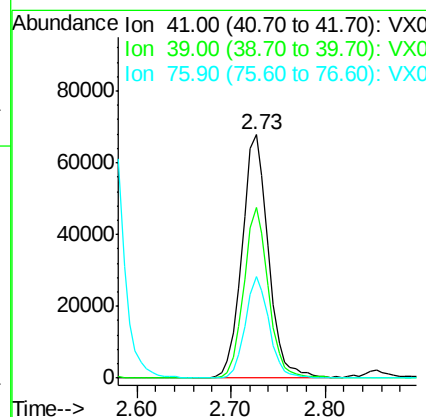
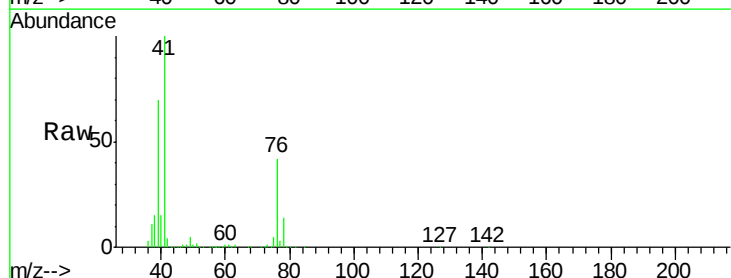
Manual Integrations
APPROVED

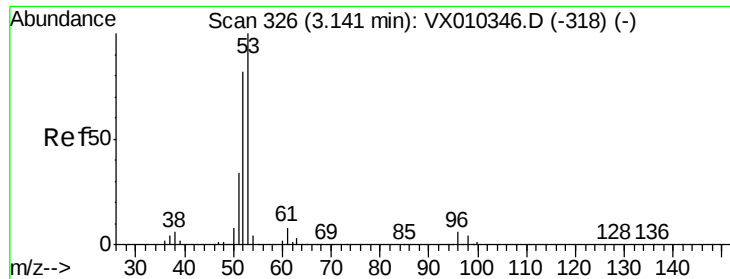
MMDadoda
7/11/2019 10:54:17 AM



#14
Allyl chloride
Concen: 53.305 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.7	50.3	75.5
76	37.8	31.3	46.9





#15

Acrylonitrile

Concen: 276.964 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Instrument :

MSVOA_X

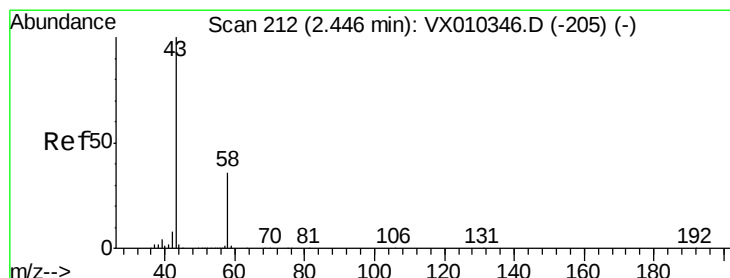
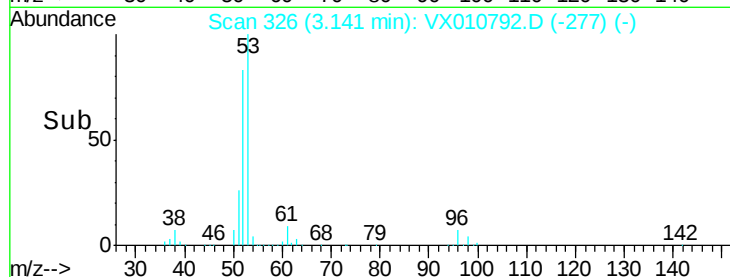
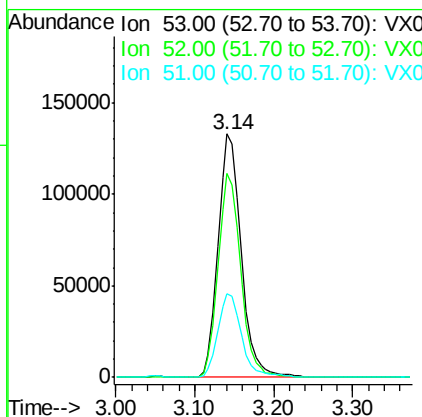
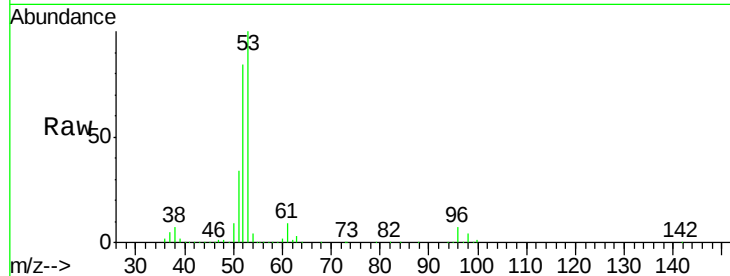
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	270825
Ion Ratio	Lower	Upper	
53	100		
52	82.3	65.5	98.3
51	35.3	28.2	42.4

Manual Integrations
APPROVED

MMDadoda
7/11/2019 10:54:17 AM



#16

Acetone

Concen: 230.033 ug/l

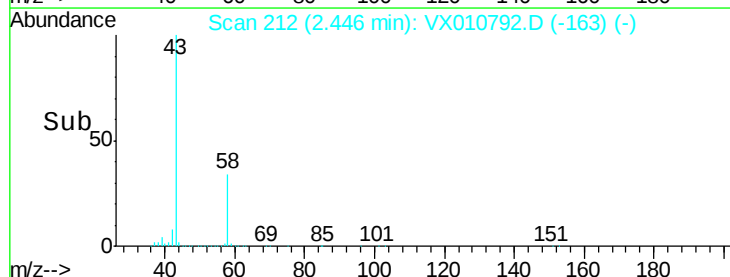
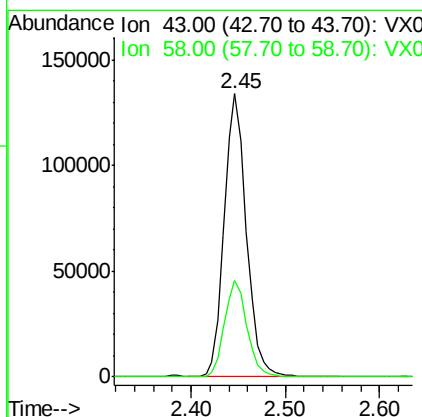
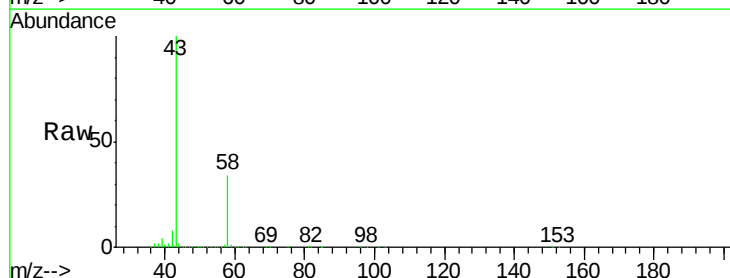
RT: 2.45 min Scan# 212

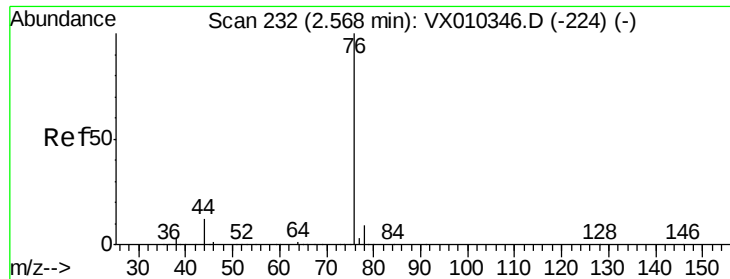
Delta R.T. 0.00 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Tgt Ion:	43	Resp:	217596
Ion Ratio	Lower	Upper	
43	100		
58	33.9	28.9	43.3





#17

Carbon Disulfide

Concen: 46.811 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 219135

Ion Ratio Lower Upper

76 100

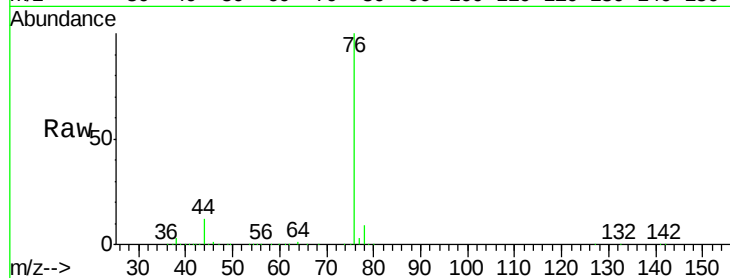
78 9.4 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

7/11/2019 10:54:17 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

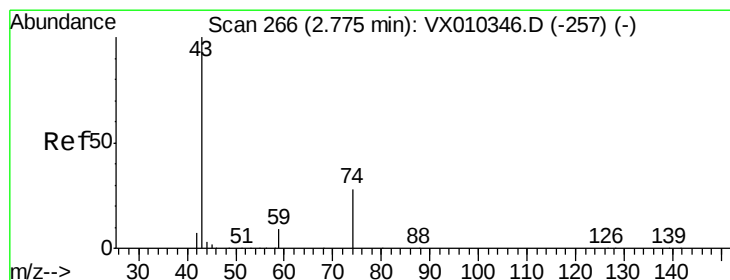
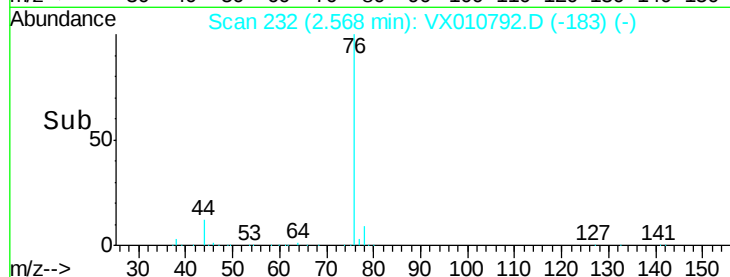
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 57.301 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010792.D

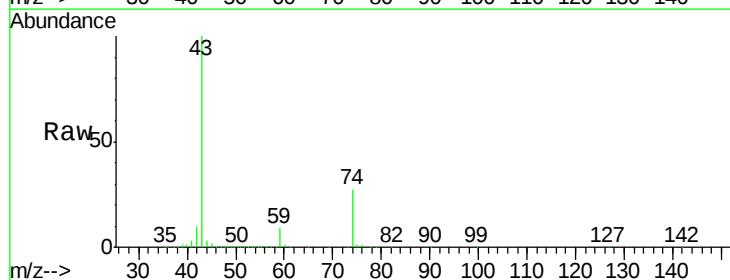
Acq: 10 Jul 2019 21:03

Tgt Ion: 43 Resp: 108030

Ion Ratio Lower Upper

43 100

74 27.0 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

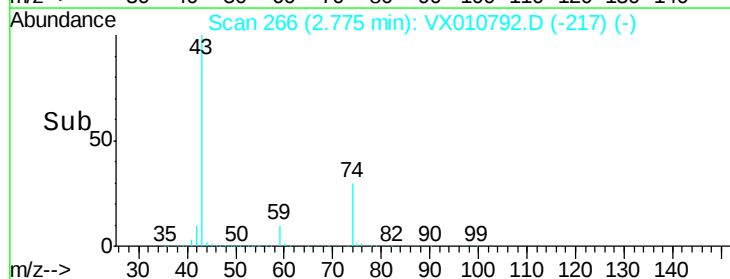
60000

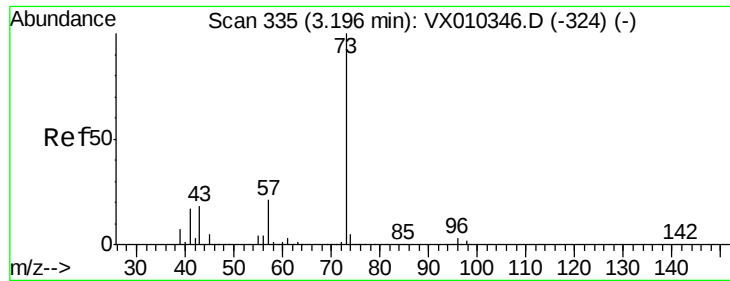
40000

20000

0

Time-->





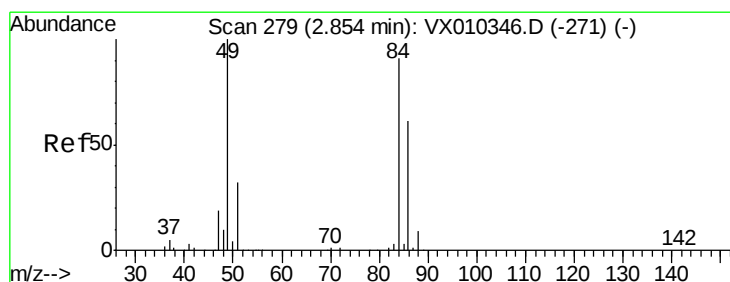
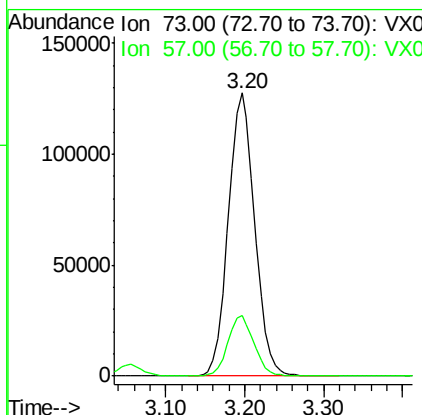
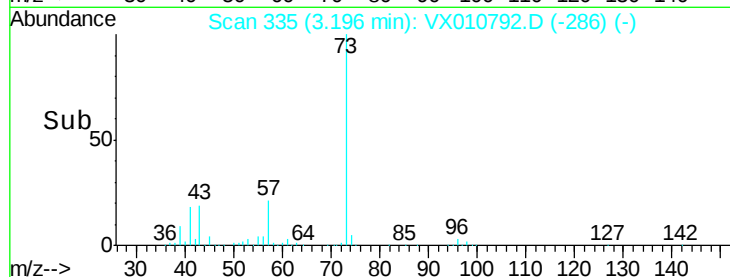
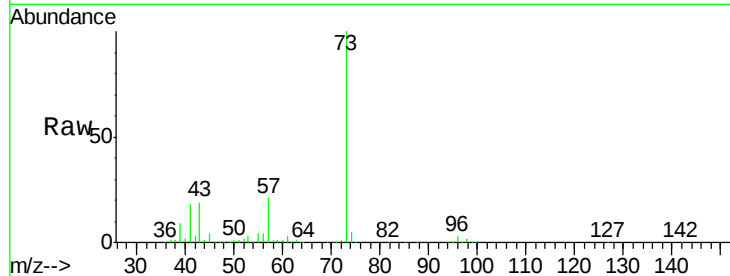
#19
Methyl tert-butyl Ether
Concen: 54.081 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 296864
Ion Ratio Lower Upper
73 100
57 21.2 16.4 24.6

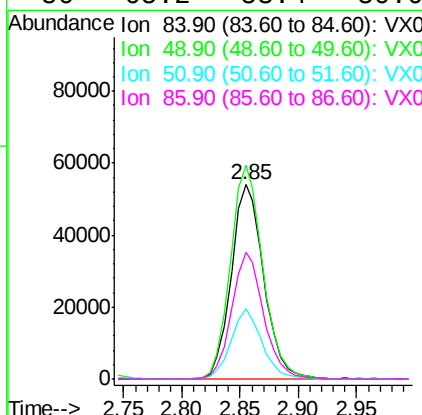
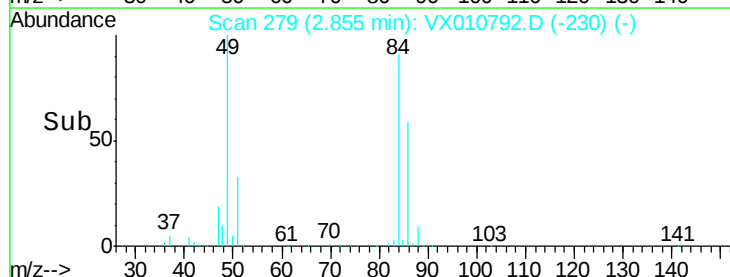
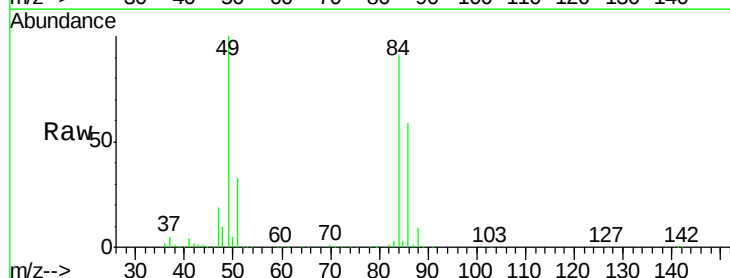
Manual Integrations
APPROVED

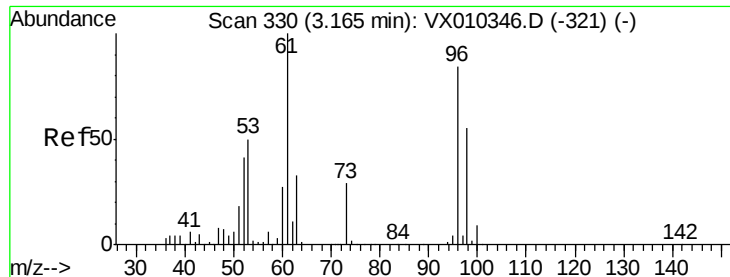
MMDadoda
7/11/2019 10:54:17 AM



#20
Methylene Chloride
Concen: 53.972 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Tgt Ion: 84 Resp: 105067
Ion Ratio Lower Upper
84 100
49 110.0 87.5 131.3
51 35.8 27.7 41.5
86 65.2 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 51.433 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Instrument :

MSVOA_X

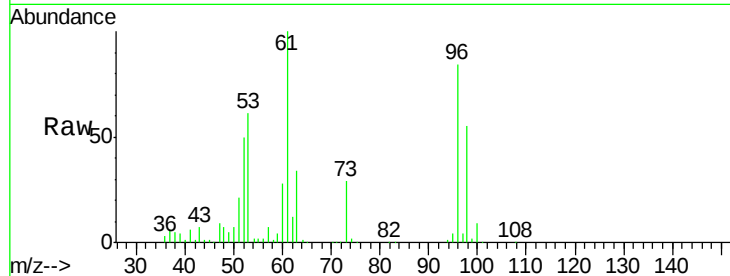
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	96521
Ion	Ratio	Lower	Upper
96	100		
61	119.1	95.6	143.4
98	65.9	52.5	78.7

Manual Integrations
APPROVED

MMDadoda
7/11/2019 10:54:17 AM

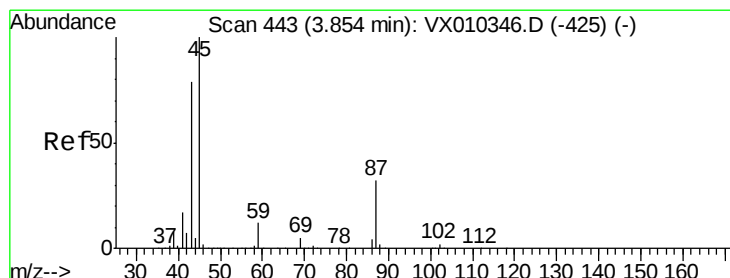
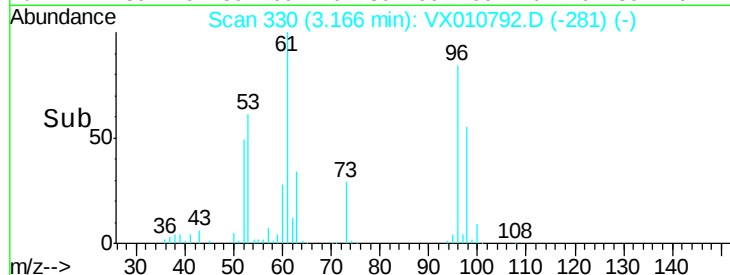
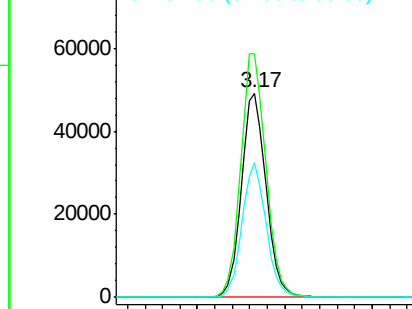


Abundance

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



#22

Diisopropyl ether

Concen: 55.308 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Tgt Ion:	45	Resp:	286458
Ion	Ratio	Lower	Upper
45	100		
43	78.0	63.3	94.9
87	30.6	25.8	38.8
59	11.7	9.6	14.4

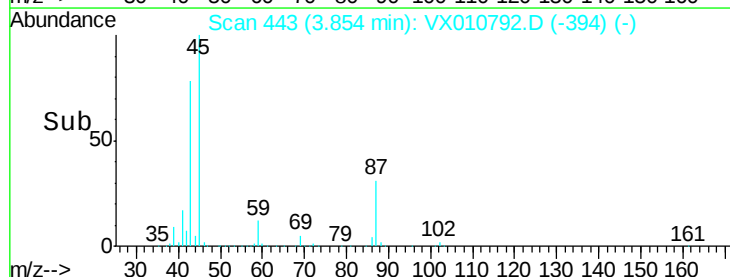
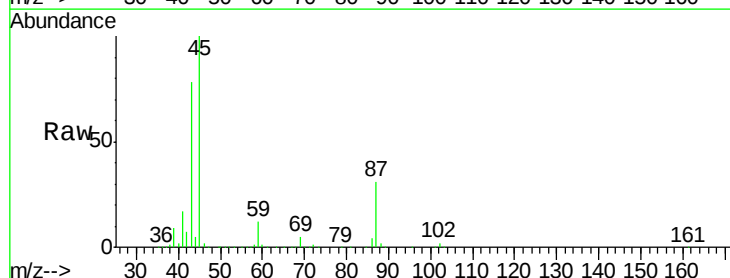
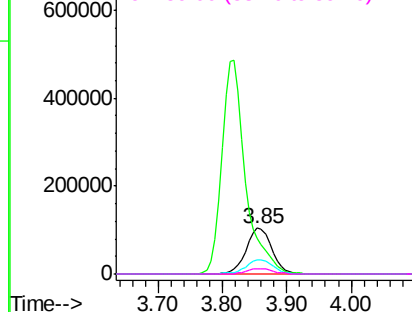
Abundance

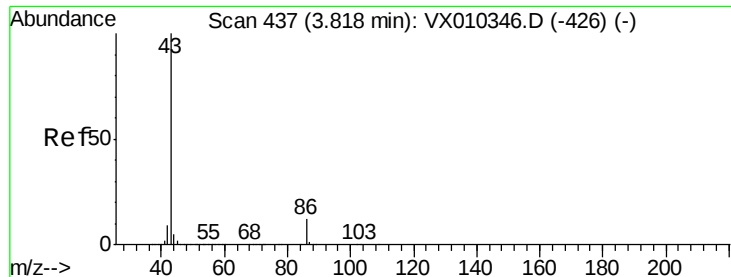
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 282.061 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1262051

Ion Ratio Lower Upper

43 100

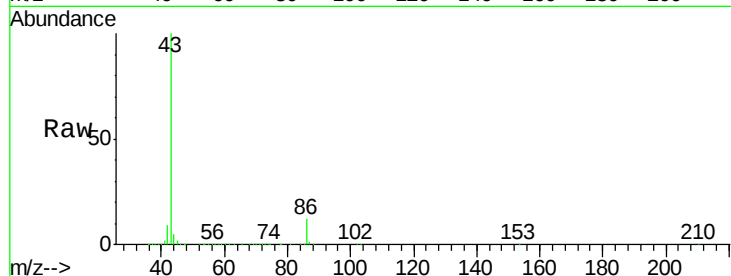
86 11.8 9.9 14.9

Manual Integrations

APPROVED

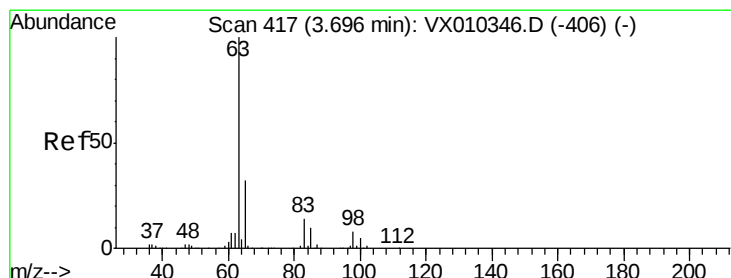
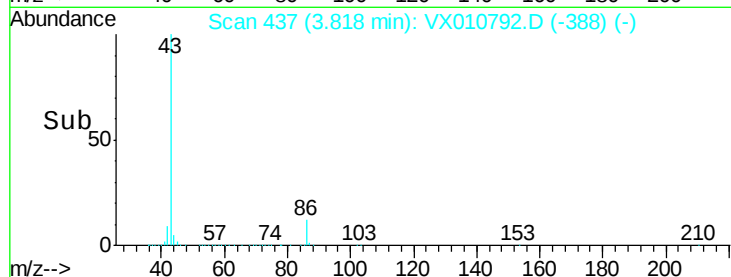
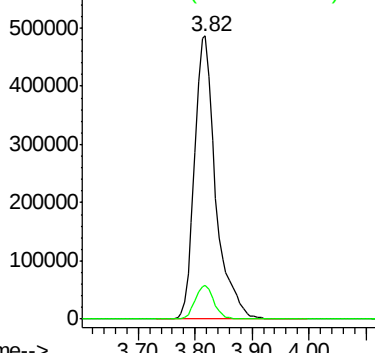
MMDadoda

7/11/2019 10:54:17 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 54.238 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

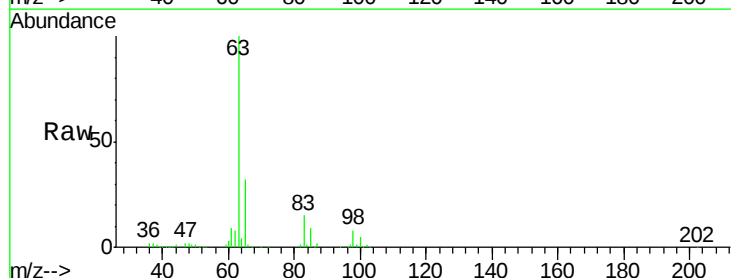
Tgt Ion: 63 Resp: 162379

Ion Ratio Lower Upper

63 100

98 7.9 3.9 11.7

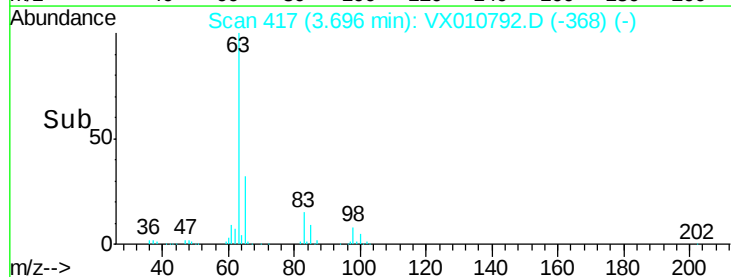
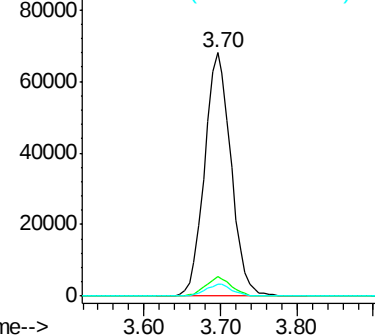
100 5.1 2.4 7.1

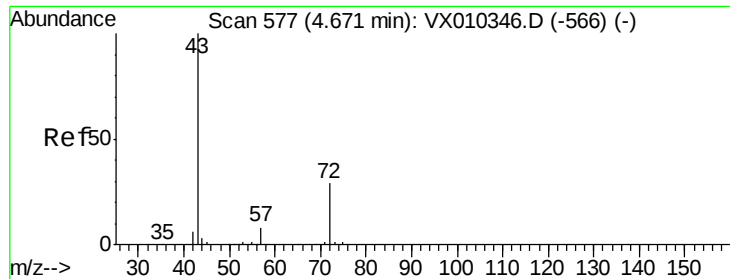


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 263.994 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tgt Ion: 43 Resp: 366309

Ion Ratio Lower Upper

43 100

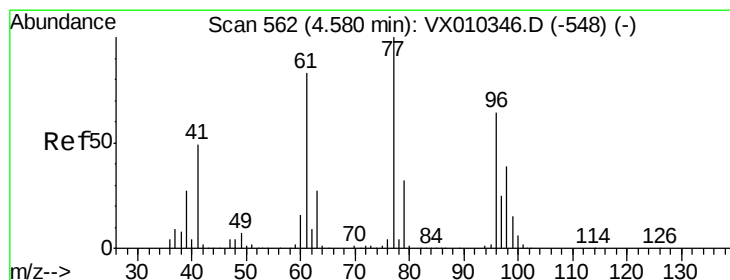
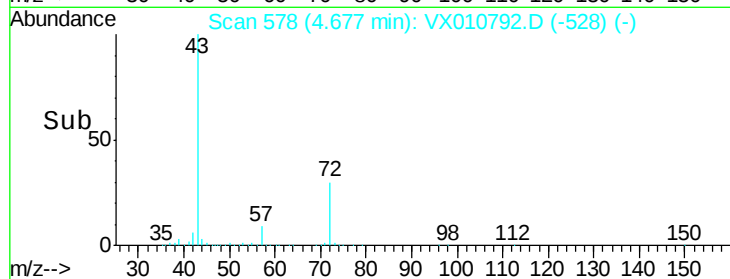
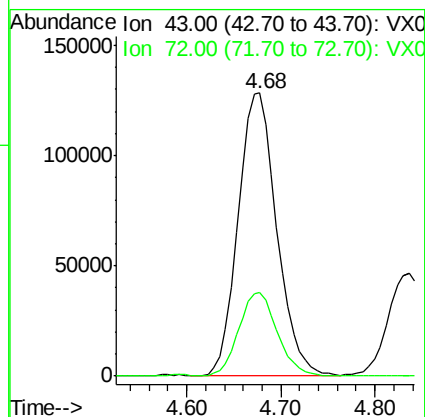
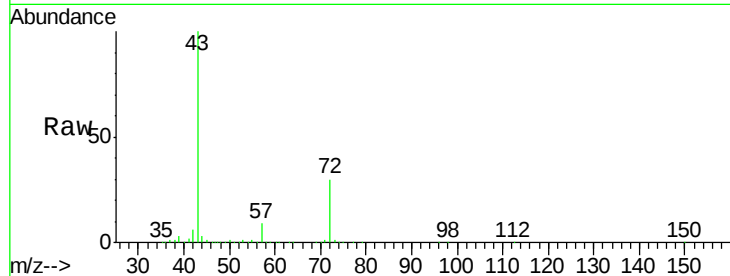
72 29.5 23.3 34.9

Manual Integrations

APPROVED

MMDadoda

7/11/2019 10:54:17 AM



#26

2,2-Dichloropropane

Concen: 43.124 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010792.D

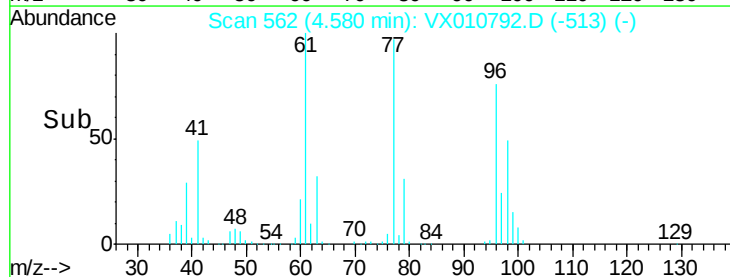
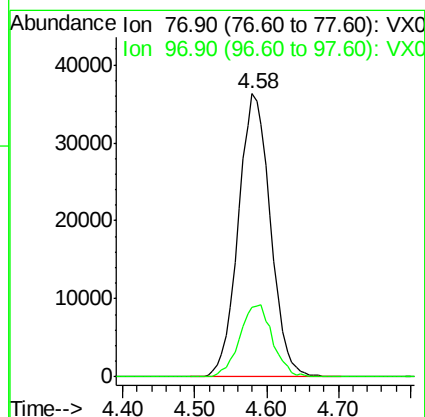
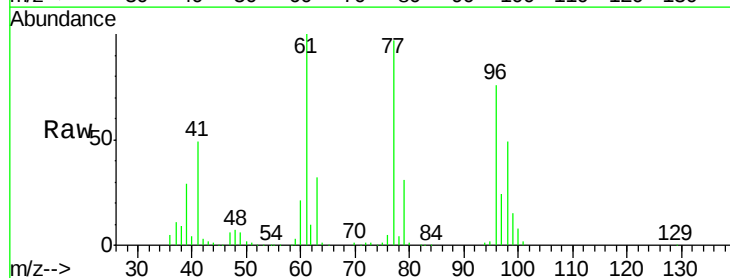
Acq: 10 Jul 2019 21:03

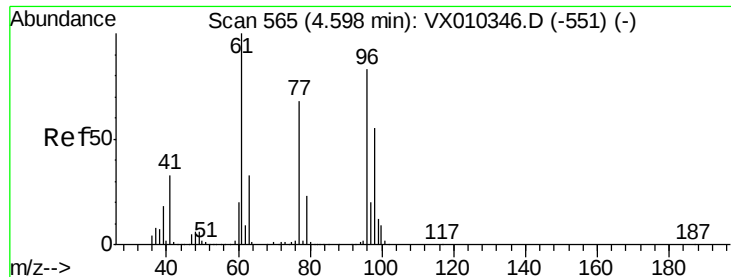
Tgt Ion: 77 Resp: 112155

Ion Ratio Lower Upper

77 100

97 26.1 13.1 39.3





#27

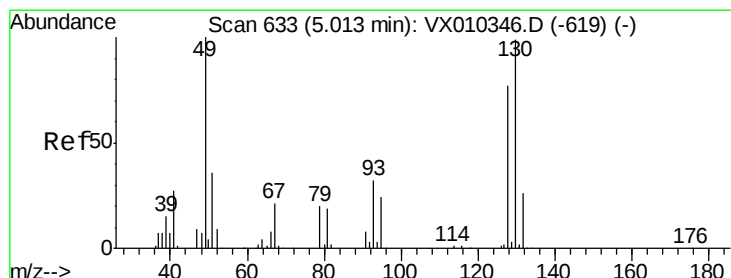
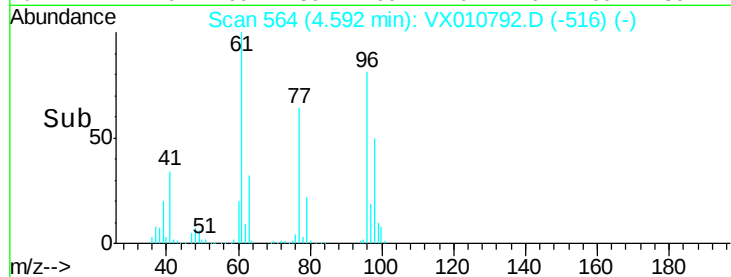
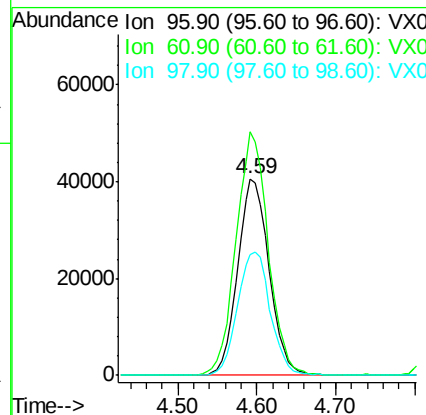
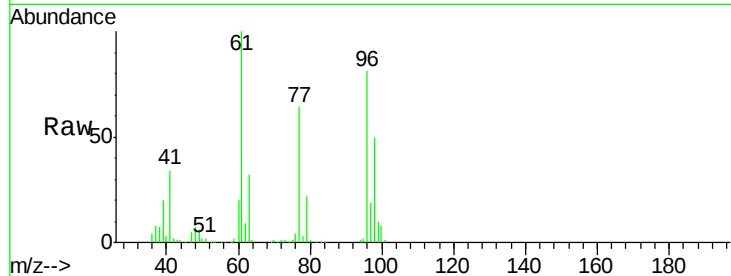
cis-1,2-Dichloroethene
Concen: 51.961 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	112683		
61	126.3	0.0	251.8	
98	65.5	0.0	129.4	

Manual Integrations
APPROVED

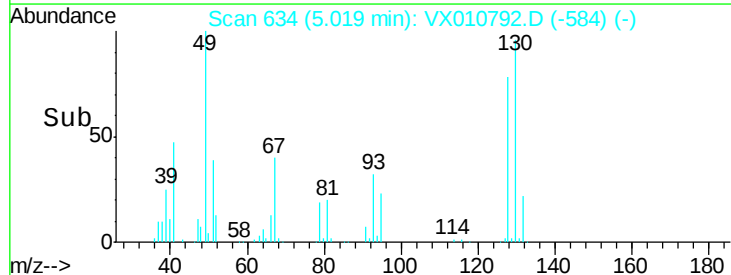
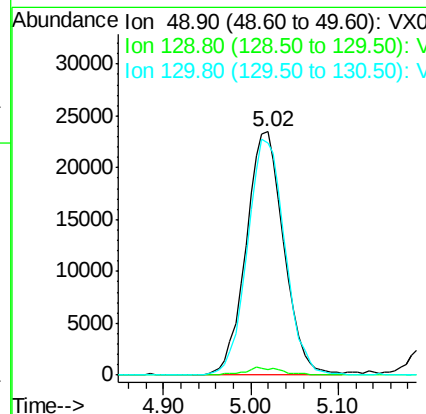
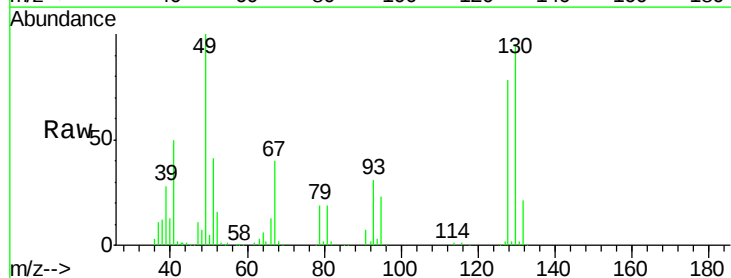
MMDadoda
7/11/2019 10:54:17 AM

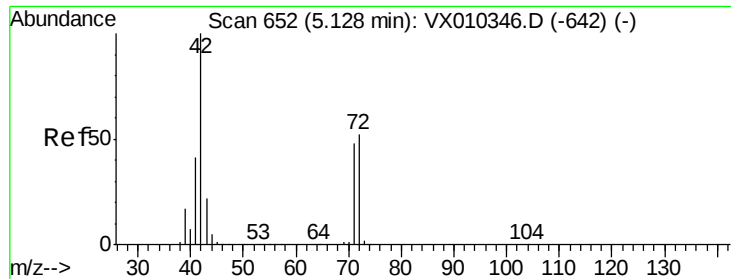


#28

Bromochloromethane
Concen: 49.350 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	70640		
129	3.1	0.0	5.6	
130	96.3	81.4	122.0	





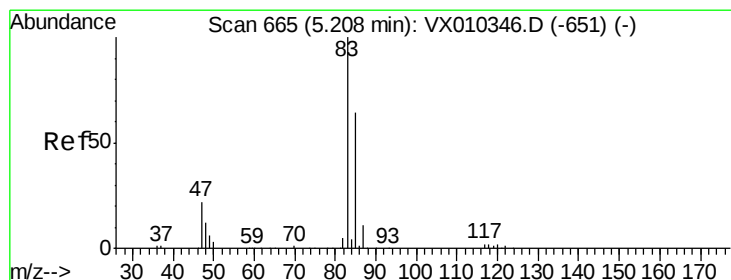
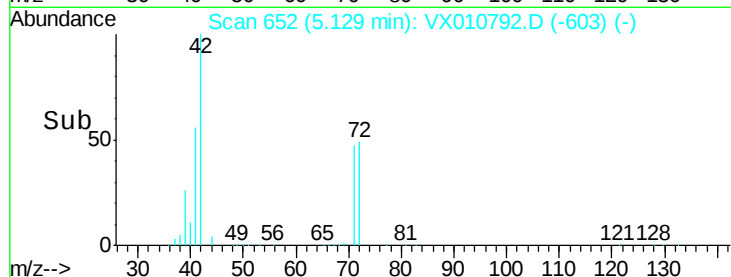
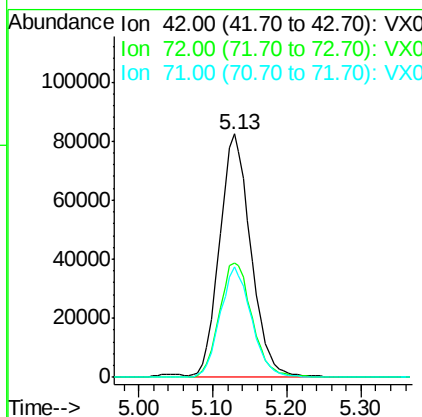
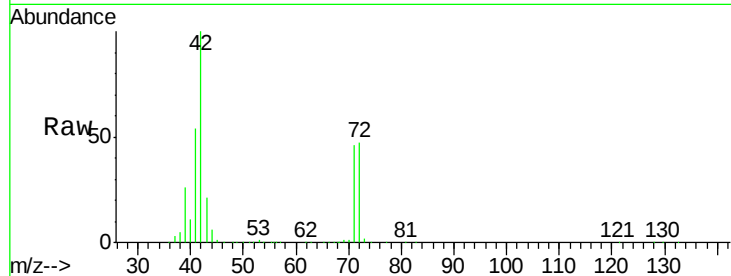
#29
Tetrahydrofuran
Concen: 279.238 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	49.7	40.6	60.8
71	45.4	37.8	56.8

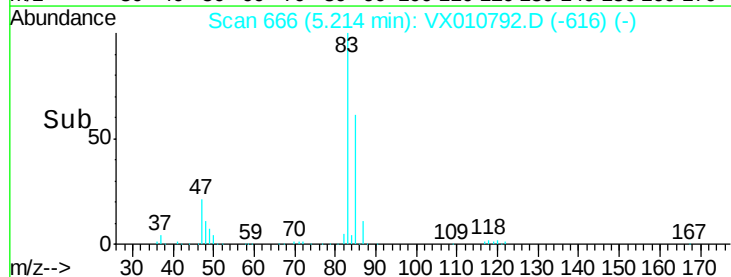
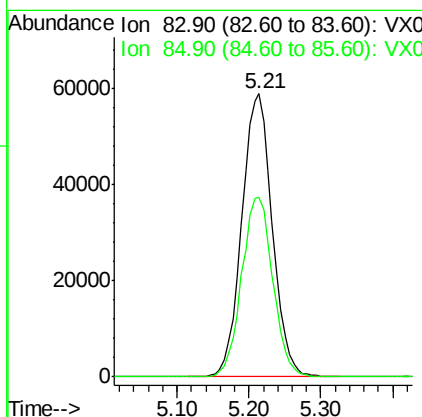
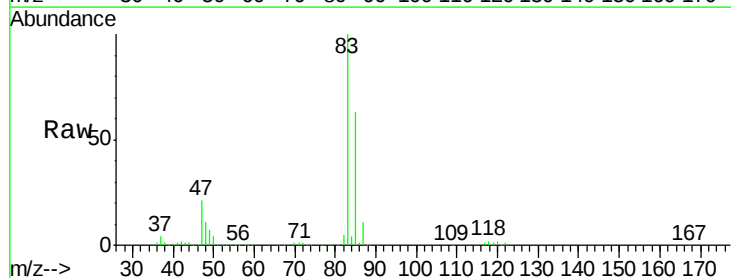
Manual Integrations
APPROVED

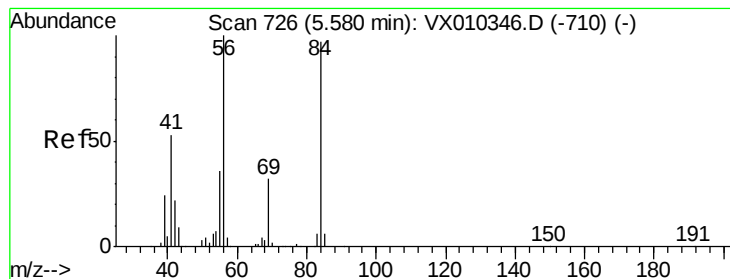
MMDadoda
7/11/2019 10:54:17 AM



#30
Chloroform
Concen: 53.743 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.9	76.3





#31

Cyclohexane

Concen: 52.560 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Instrument :

MSVOA_X

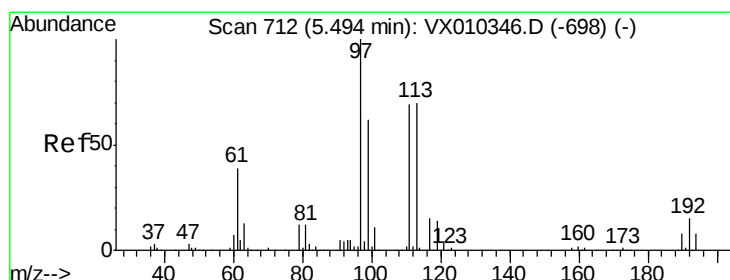
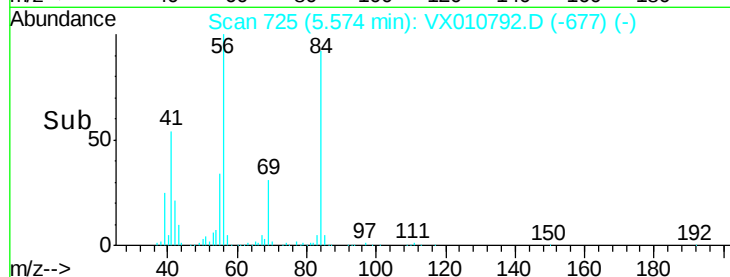
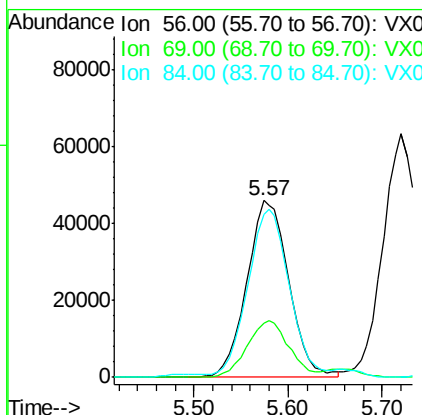
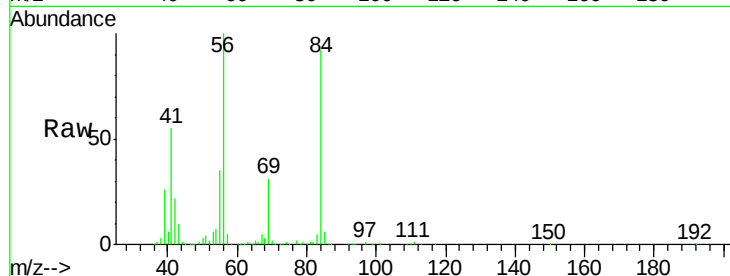
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	56	Resp:	143296
Ion Ratio	Lower	Upper	
56	100		
69	30.8	25.9	38.9
84	90.1	78.0	117.0

Manual Integrations
APPROVED

MMDadoda
7/11/2019 10:54:17 AM



#32

1,1,1-Trichloroethane

Concen: 53.414 ug/l

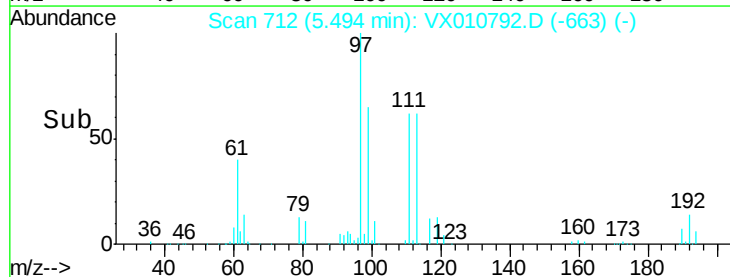
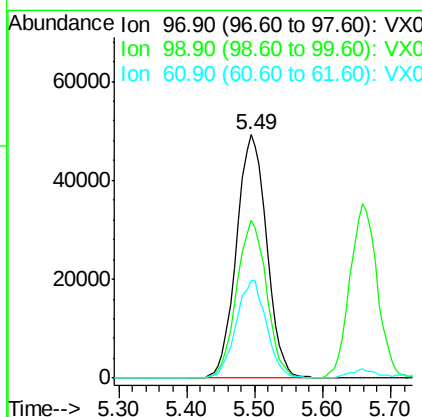
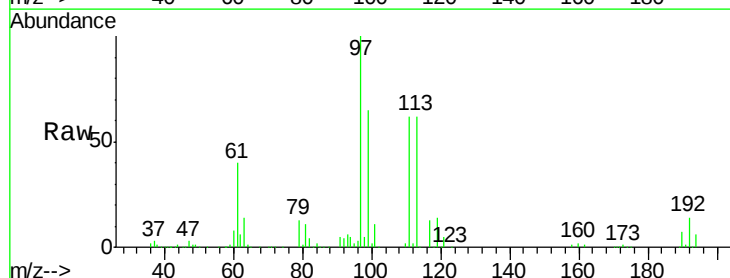
RT: 5.49 min Scan# 712

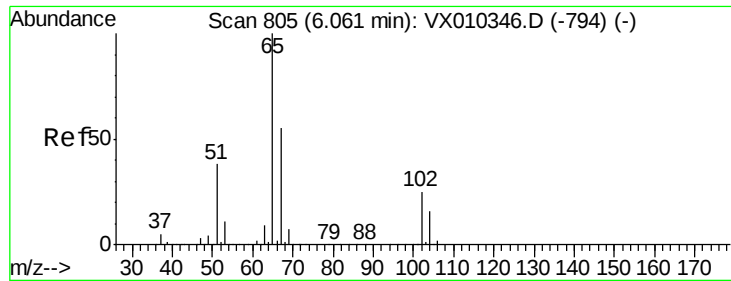
Delta R.T. 0.00 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Tgt Ion:	97	Resp:	151927
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.8	77.8
61	40.4	32.1	48.1





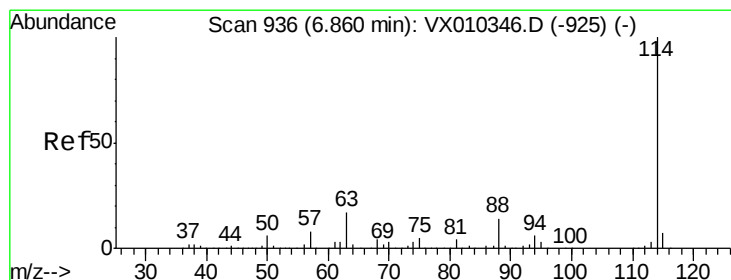
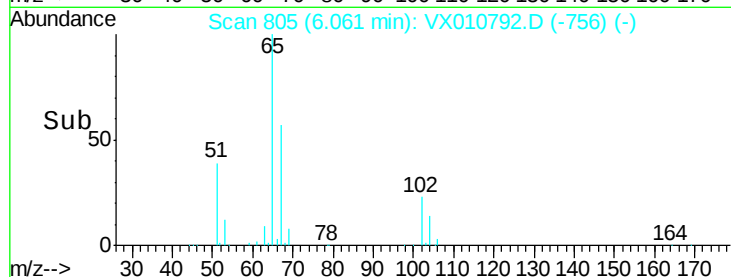
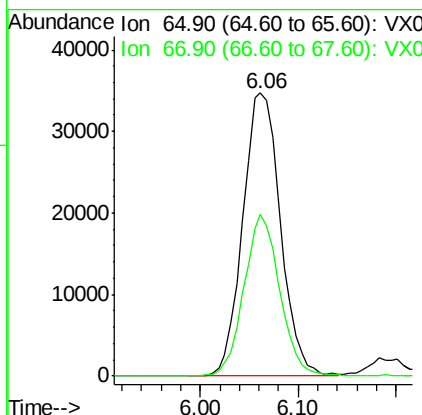
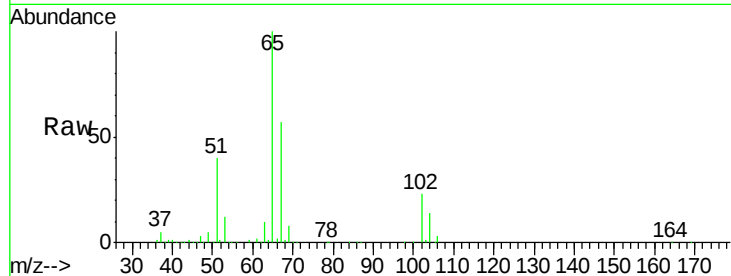
#33
 1,2-Dichloroethane-d4
 Concen: 49.448 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010792.D
 Acq: 10 Jul 2019 21:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 93331
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 110.2

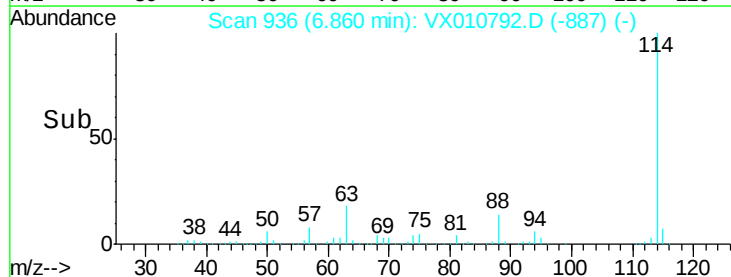
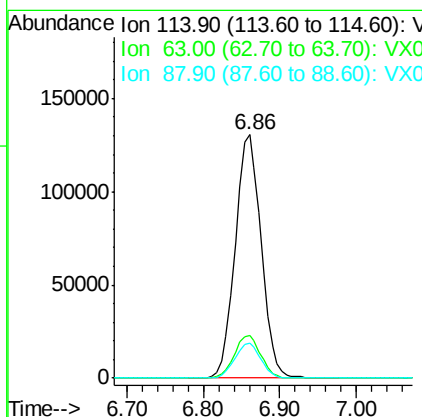
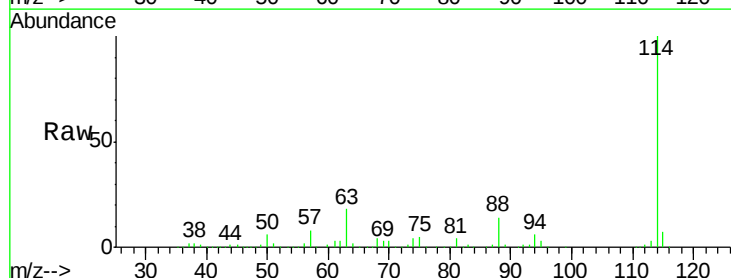
Manual Integrations
 APPROVED

MMDadoda
 7/11/2019 10:54:17 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010792.D
 Acq: 10 Jul 2019 21:03

Tgt Ion: 114 Resp: 307178
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 33.8
 88 14.2 0.0 27.6





#35

Dibromofluoromethane

Concen: 47.456 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Instrument :

MSVOA_X

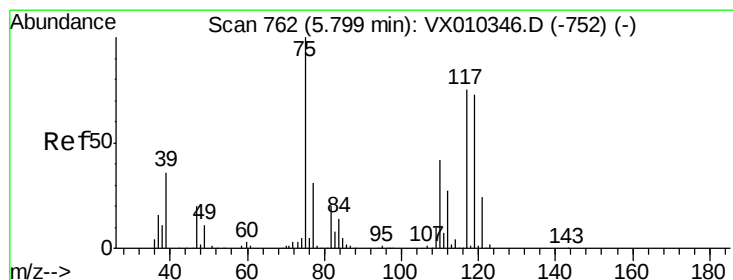
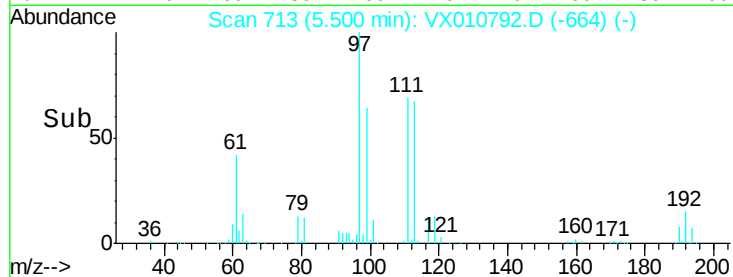
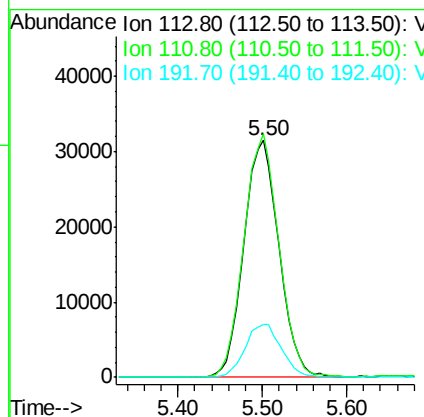
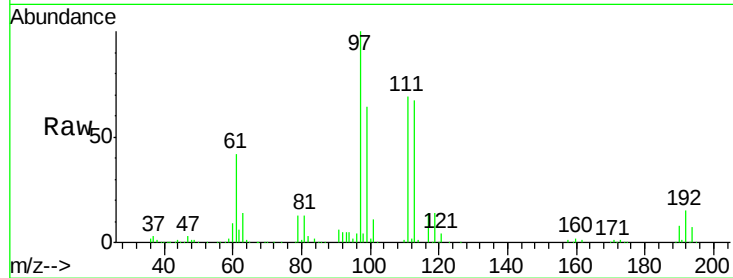
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	113	Resp:	89191
Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.2	121.8
192	23.1	18.6	27.8

Manual Integrations
APPROVED

MMDadoda
7/11/2019 10:54:17 AM



#36

1,1-Dichloropropene

Concen: 51.033 ug/l

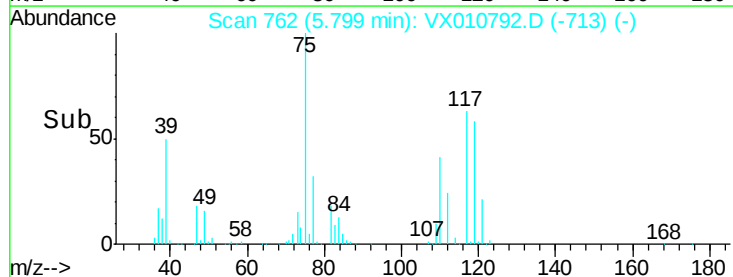
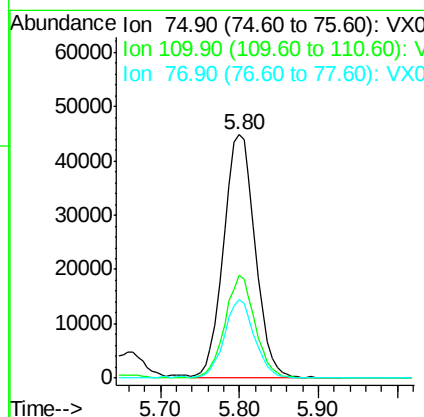
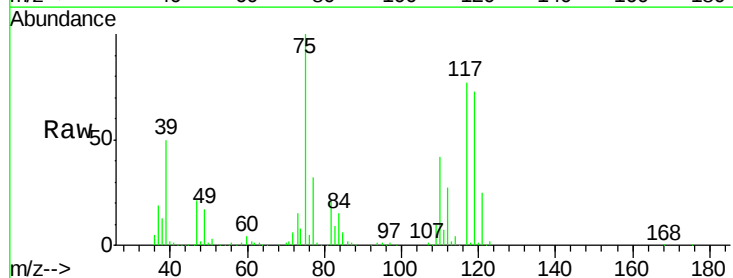
RT: 5.80 min Scan# 762

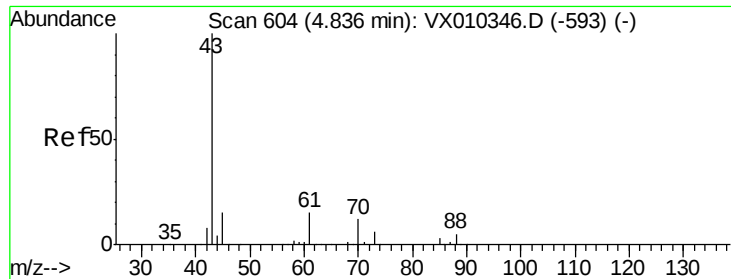
Delta R.T. 0.00 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Tgt Ion:	75	Resp:	124571
Ion	Ratio	Lower	Upper
75	100		
110	40.5	20.8	62.2
77	30.6	25.4	38.0





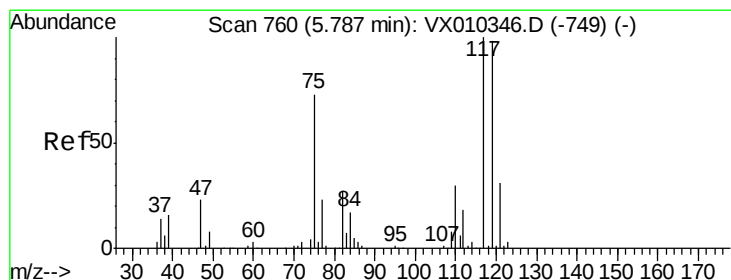
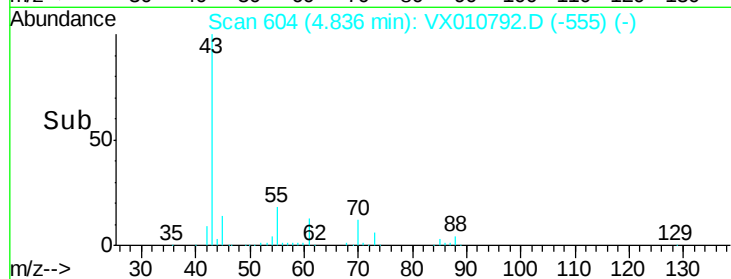
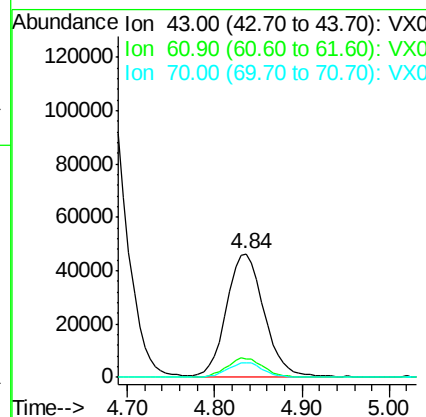
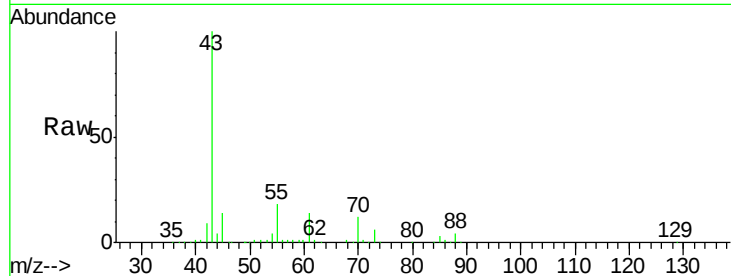
#37
Ethyl Acetate
Concen: 54.297 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.4	18.6
70	11.9	9.8	14.8

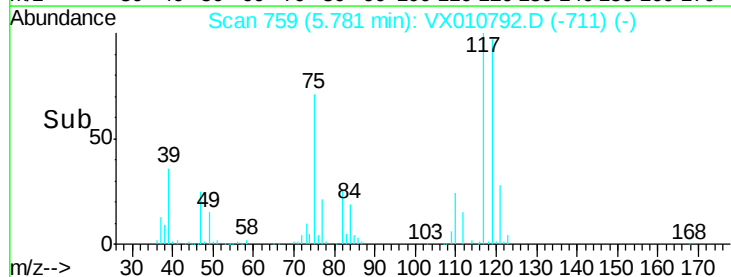
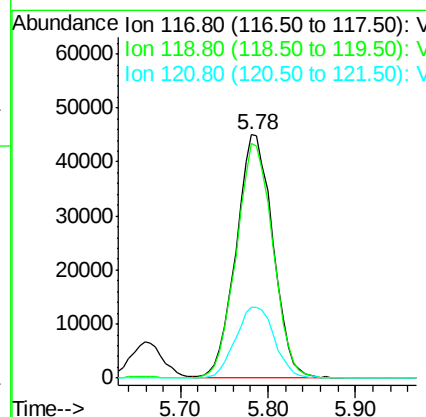
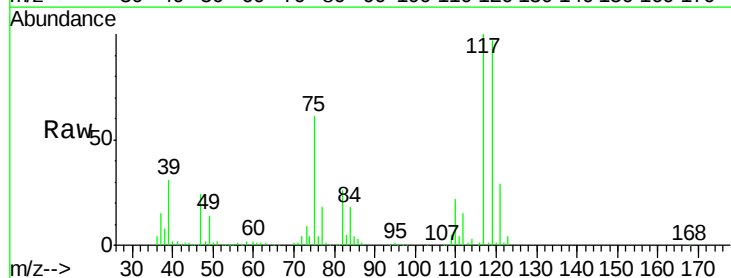
Manual Integrations
APPROVED

MMDadoda
7/11/2019 10:54:17 AM



#38
Carbon Tetrachloride
Concen: 49.901 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	78.2	117.4
121	28.9	24.7	37.1





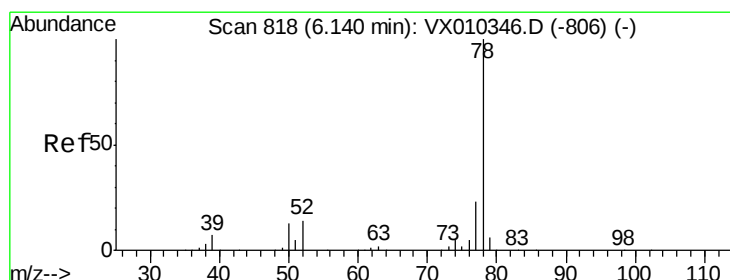
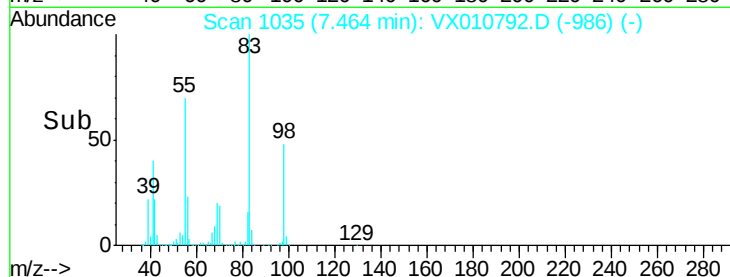
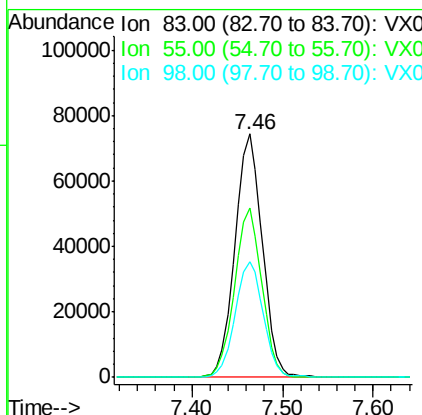
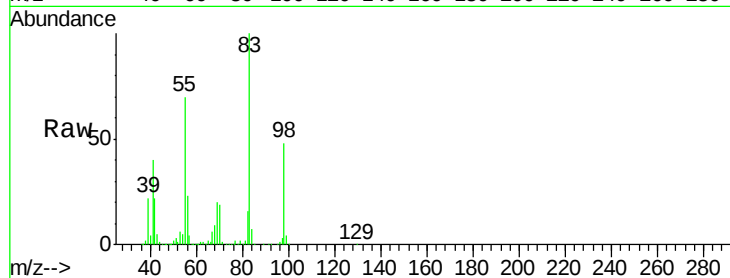
#39
Methylcyclohexane
Concen: 48.862 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	69.6	53.0	79.6
98	47.6	37.8	56.8

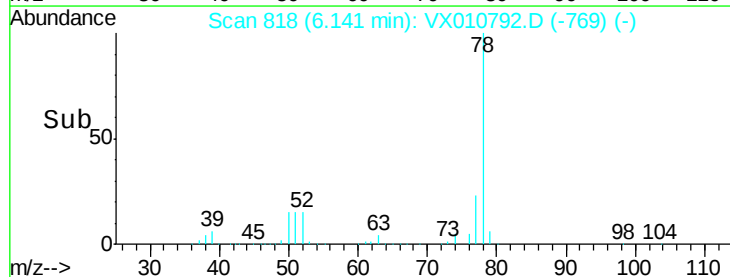
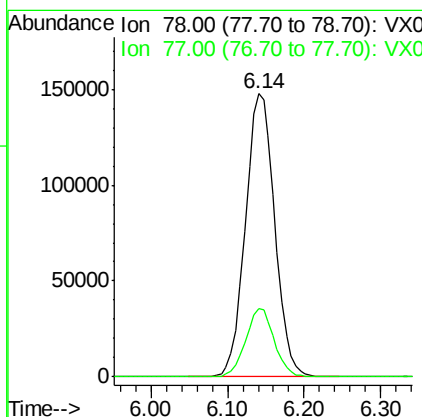
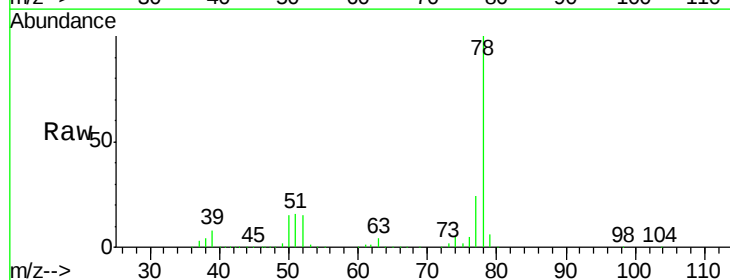
Manual Integrations
APPROVED

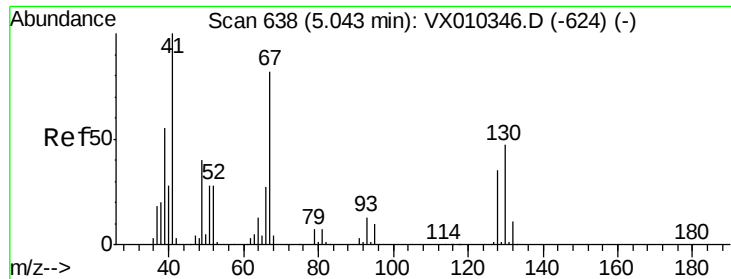
MMDadoda
7/11/2019 10:54:17 AM



#40
Benzene
Concen: 51.720 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.6	28.0





#41

Methacrylonitrile

Concen: 54.405 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 74962
Ion Ratio Lower Upper

41 100

39 54.7 43.8 65.8

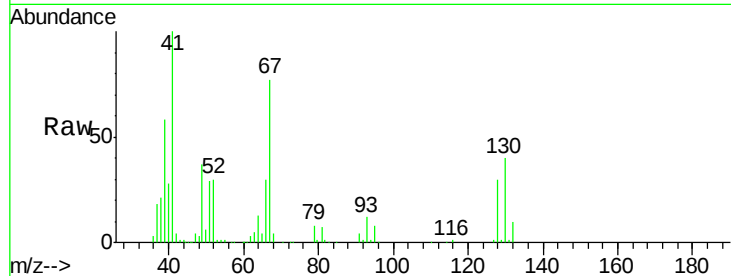
67 80.5 66.6 100.0

52 32.4 24.5 36.7

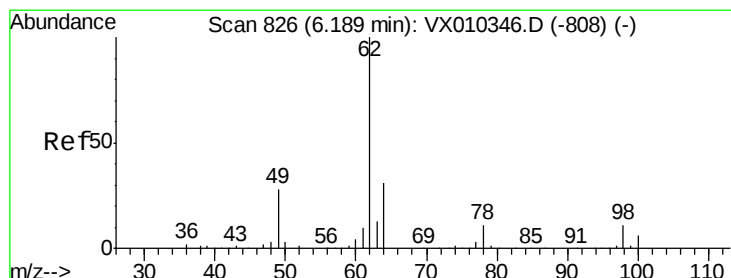
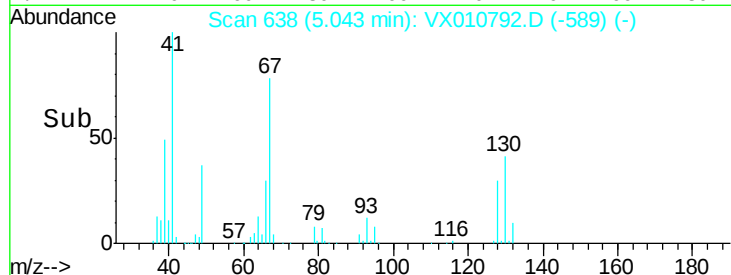
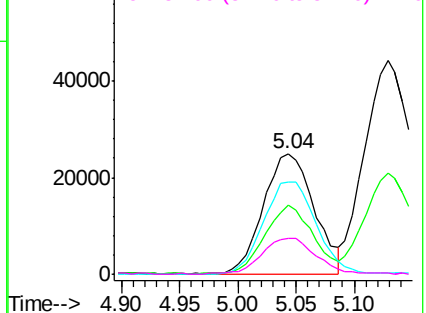
Manual Integrations
APPROVED

MMDadoda

7/11/2019 10:54:17 AM



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 55.761 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

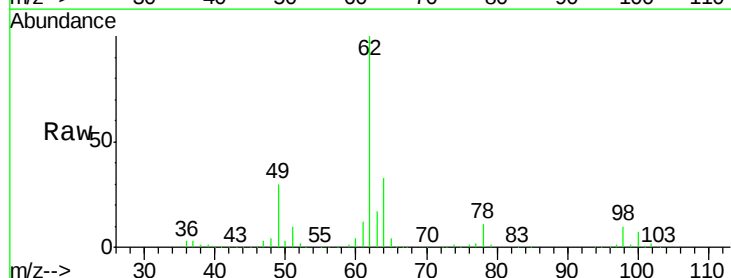
Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

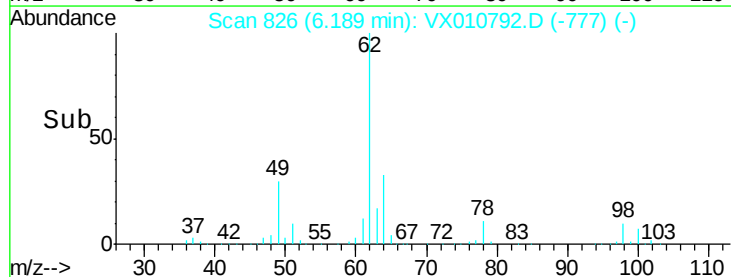
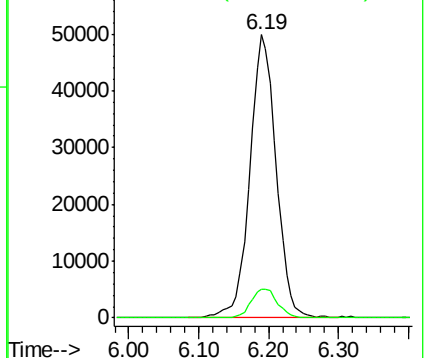
Tgt Ion: 62 Resp: 129082
Ion Ratio Lower Upper

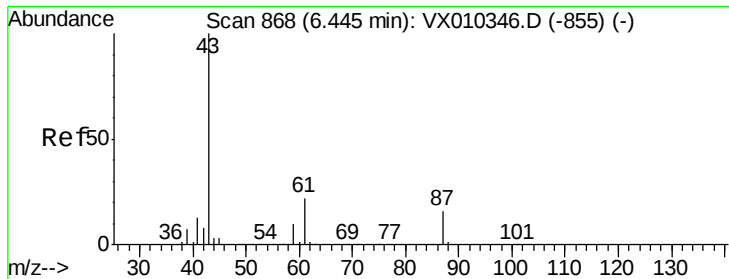
62 100

98 10.4 0.0 22.2



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

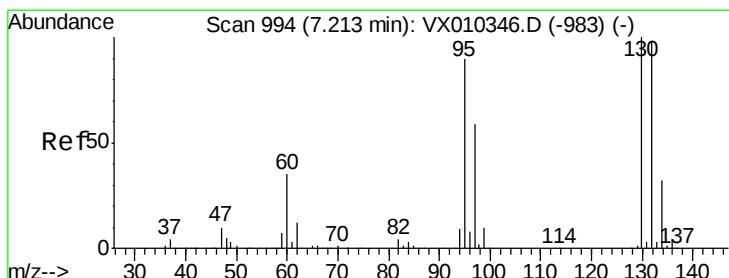
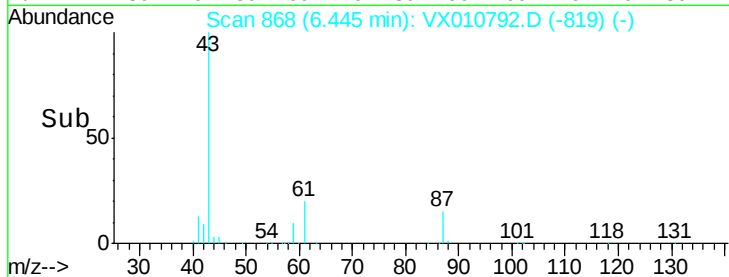
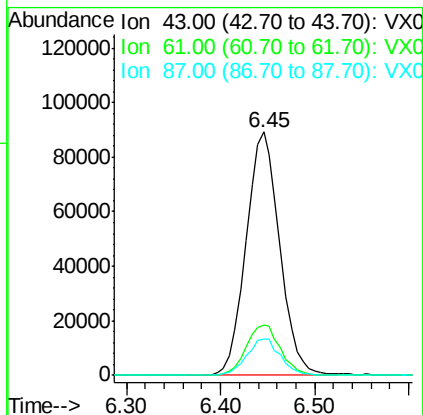
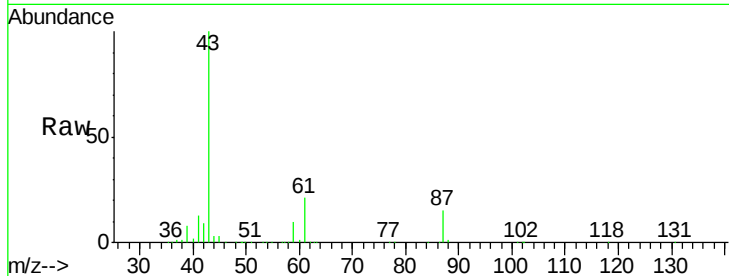
Isopropyl Acetate
 Concen: 53.372 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010792.D
 Acq: 10 Jul 2019 21:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	21.1	17.8	26.6
87	15.3	13.0	19.4

Manual Integrations
 APPROVED

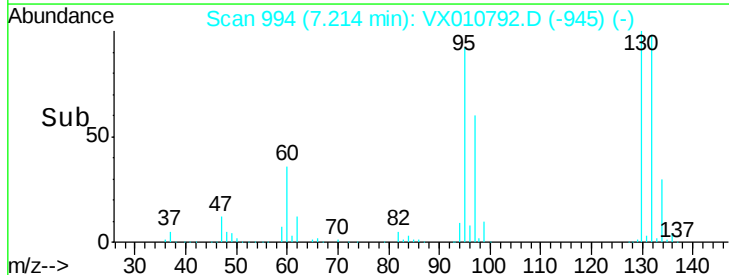
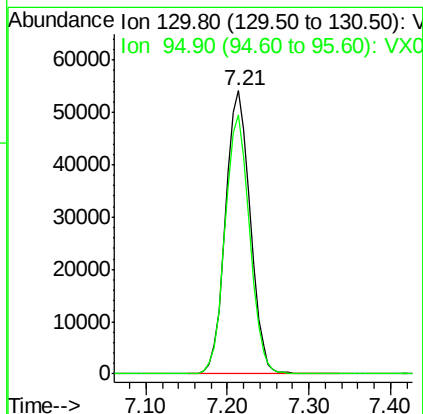
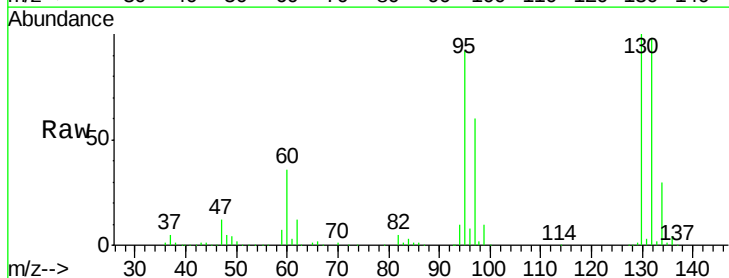
MMDadoda
 7/11/2019 10:54:17 AM

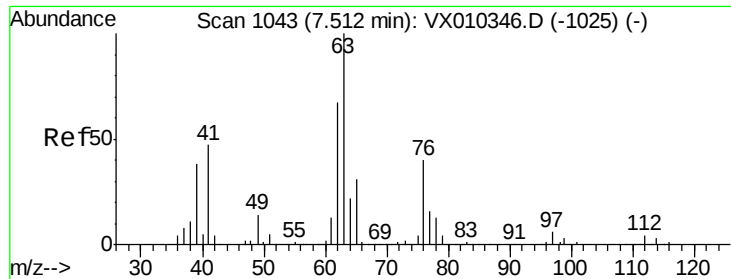


#44

Trichloroethene
 Concen: 49.661 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010792.D
 Acq: 10 Jul 2019 21:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	180.8





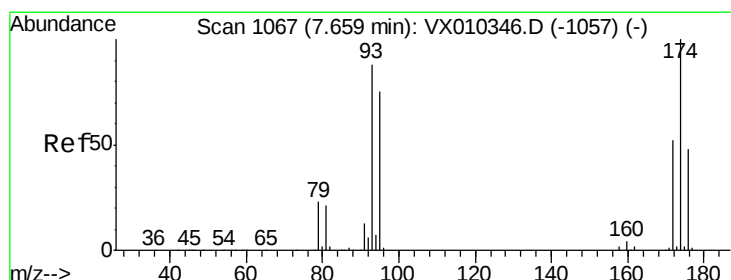
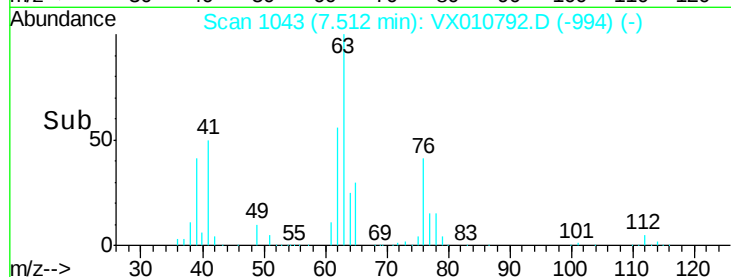
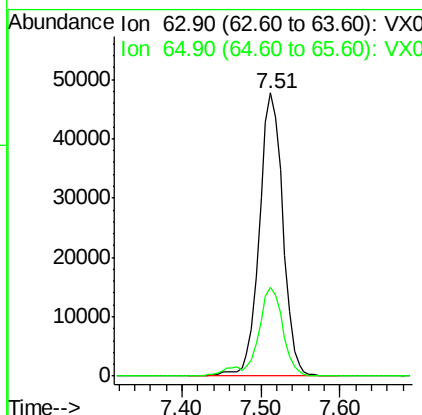
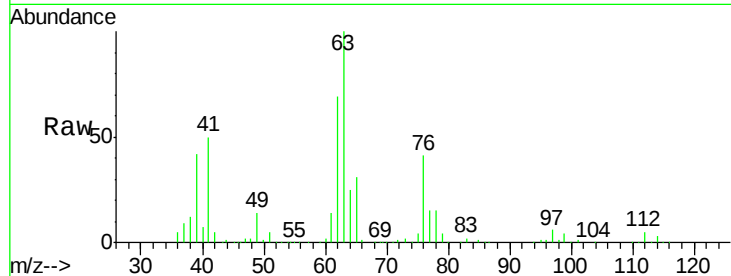
#45
1,2-Dichloropropane
Concen: 51.658 ug/l
RT: 7.51 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 99206
Ion Ratio Lower Upper
63 100
65 31.4 24.8 37.2

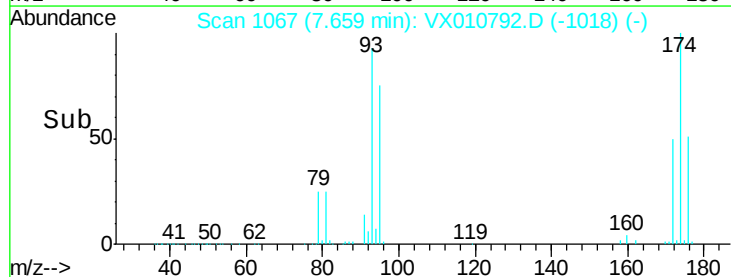
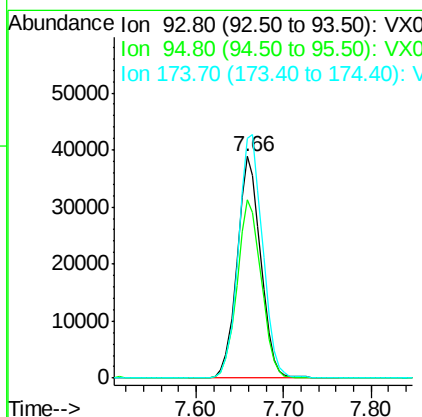
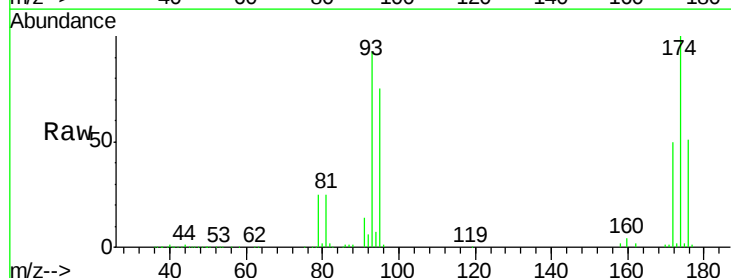
Manual Integrations
APPROVED

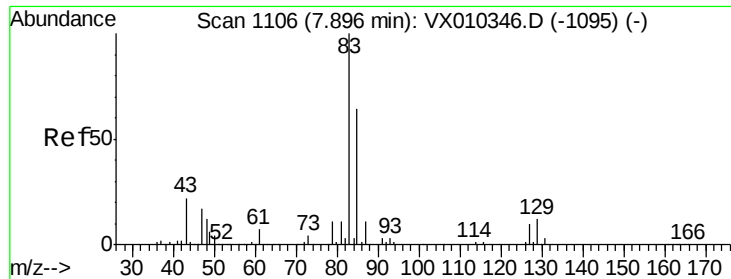
MMDadoda
7/11/2019 10:54:17 AM



#46
Dibromomethane
Concen: 52.996 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Tgt Ion: 93 Resp: 73022
Ion Ratio Lower Upper
93 100
95 82.3 67.5 101.3
174 112.7 95.8 143.6





#47

Bromodichloromethane

Concen: 50.721 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Instrument :

MSVOA_X

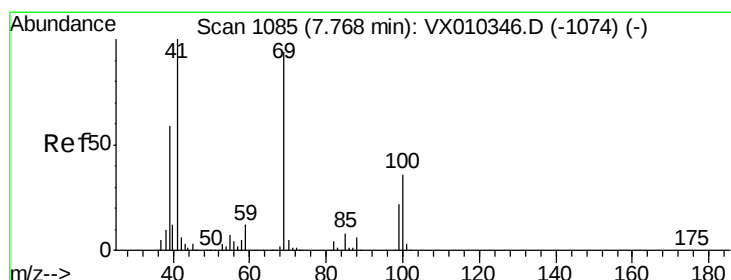
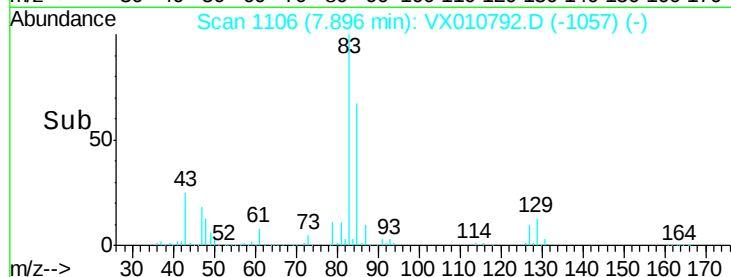
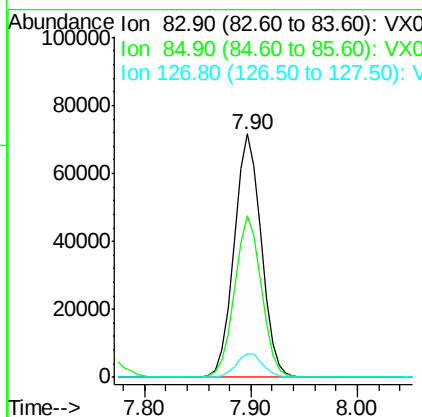
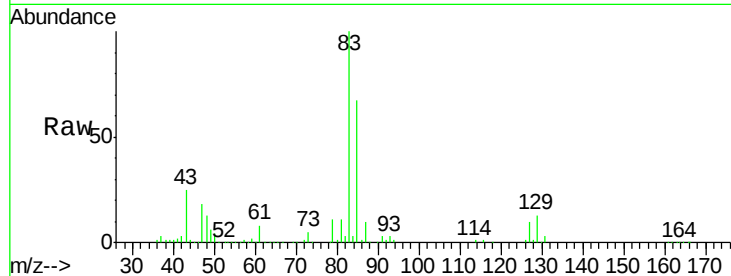
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	128076
Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.5	77.3
127	9.8	7.8	11.8

Manual Integrations
APPROVED

MMDadoda
7/11/2019 10:54:17 AM



#48

Methyl methacrylate

Concen: 55.937 ug/l

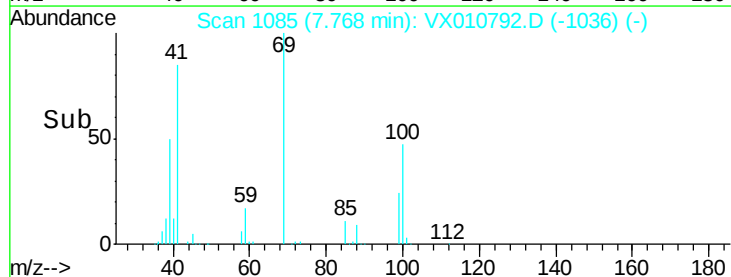
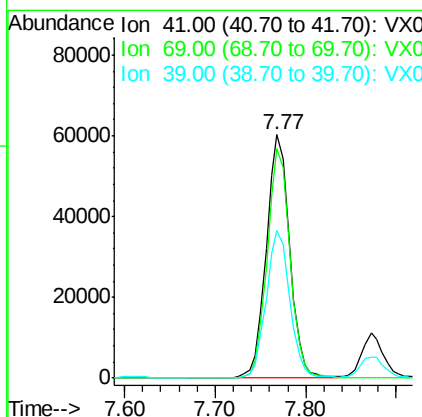
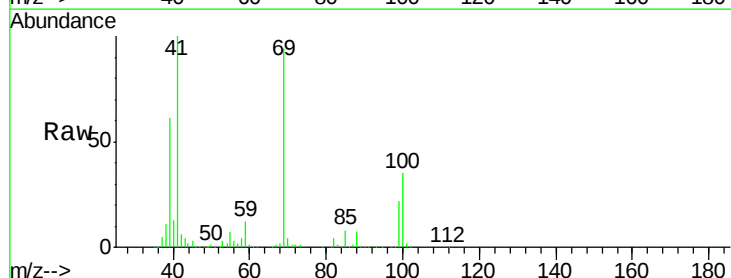
RT: 7.77 min Scan# 1085

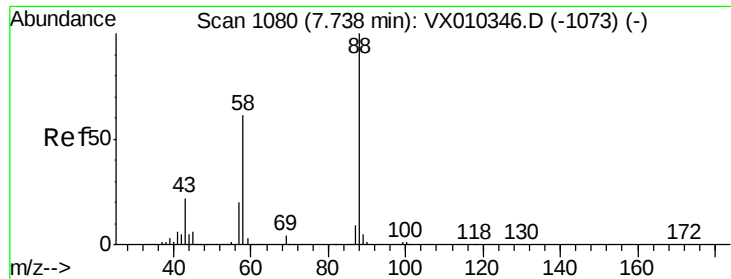
Delta R.T. 0.00 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Tgt Ion:	41	Resp:	108025
Ion	Ratio	Lower	Upper
41	100		
69	91.9	76.1	114.1
39	60.7	47.6	71.4





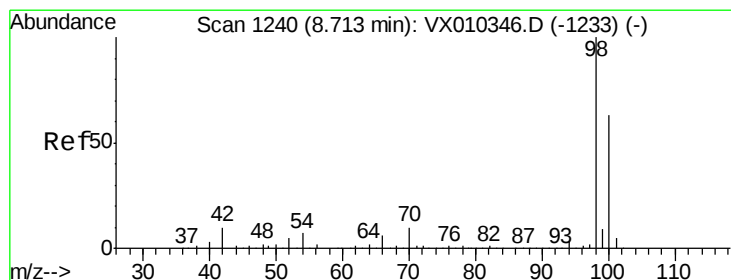
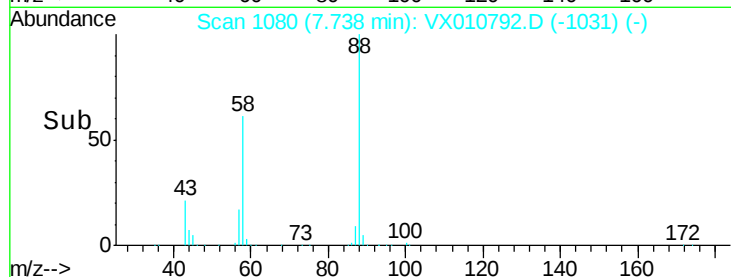
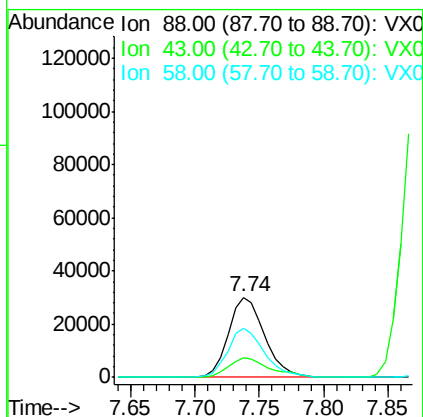
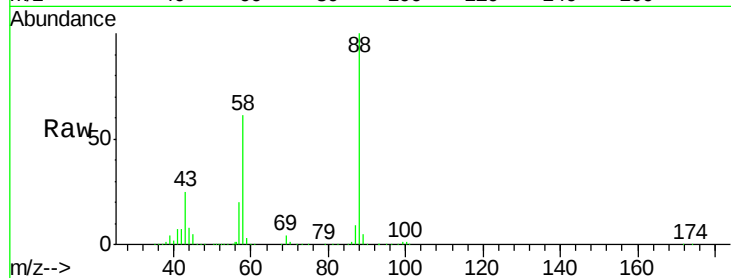
#49
1,4-Dioxane
Concen: 1054.528 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	27.4	20.2	30.2
58	62.5	49.5	74.3

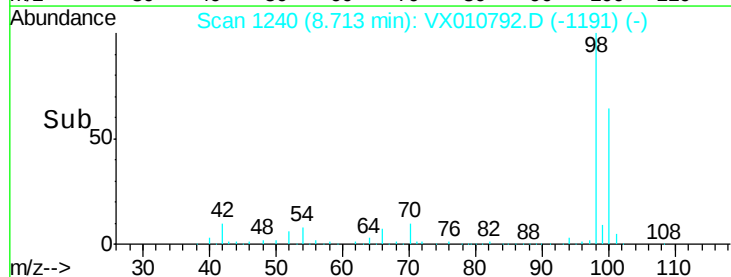
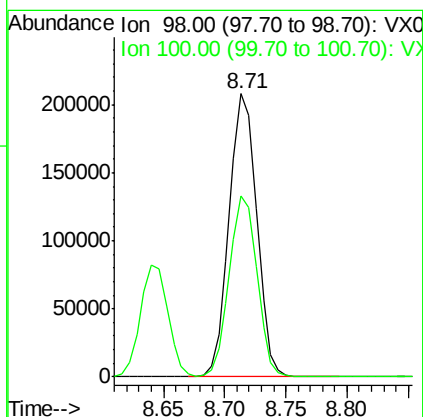
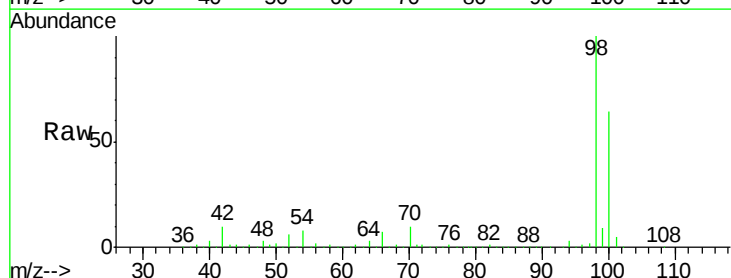
Manual Integrations
APPROVED

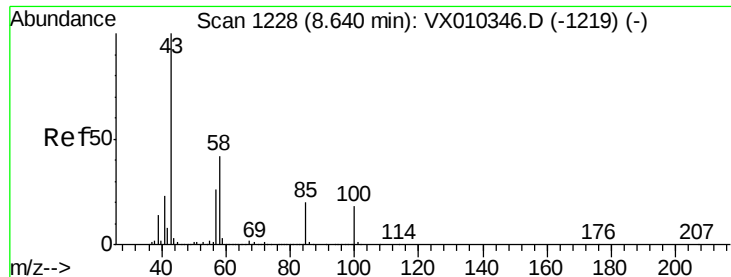
MMDadoda
7/11/2019 10:54:17 AM



#50
Toluene-d8
Concen: 45.327 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4





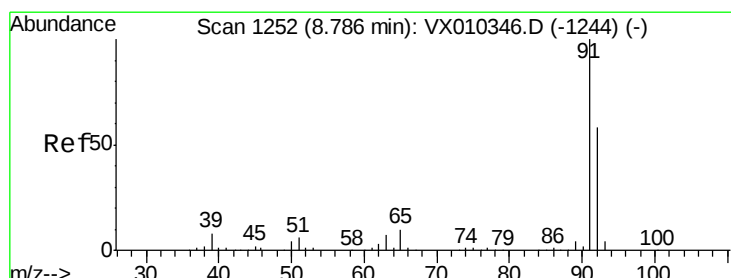
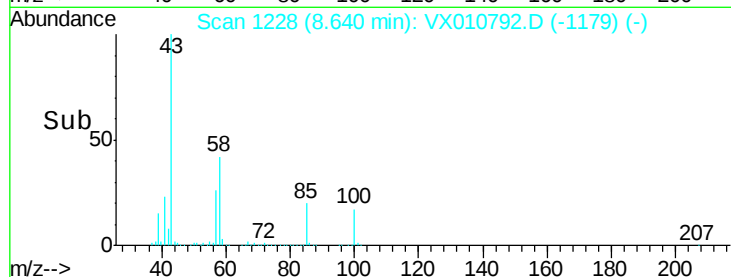
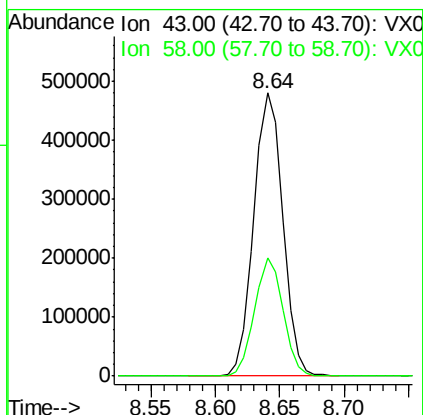
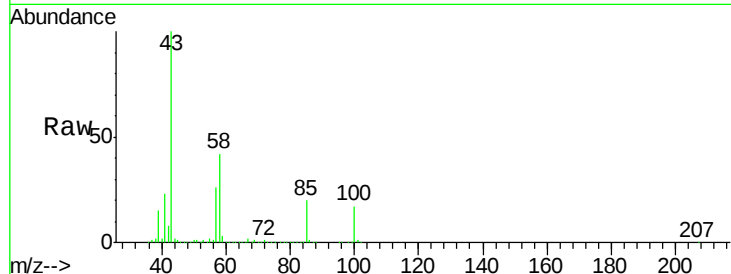
#51
 4-Methyl-2-Pentanone
 Concen: 281.308 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VX010792.D
 Acq: 10 Jul 2019 21:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 747496
 Ion Ratio Lower Upper
 43 100
 58 40.9 33.5 50.3

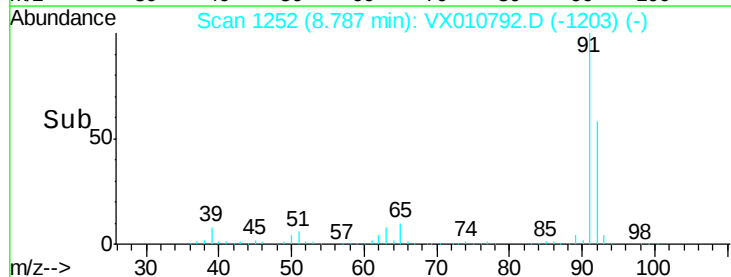
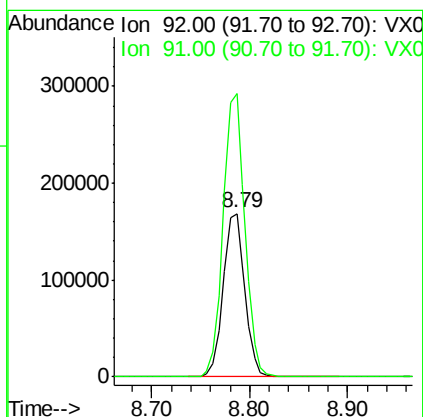
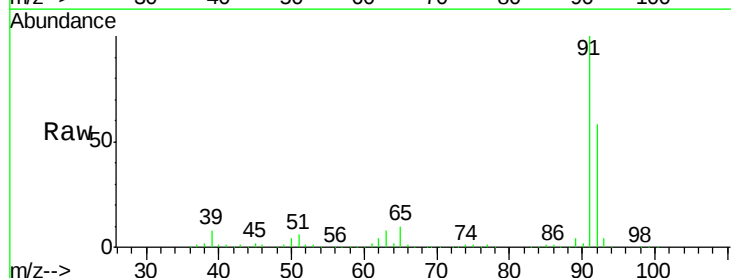
Manual Integrations
 APPROVED

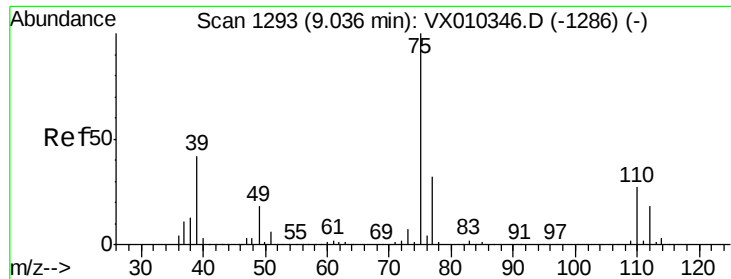
MMDadoda
 7/11/2019 10:54:17 AM



#52
 Toluene
 Concen: 51.382 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VX010792.D
 Acq: 10 Jul 2019 21:03

Tgt Ion: 92 Resp: 257326
 Ion Ratio Lower Upper
 92 100
 91 174.9 139.8 209.6





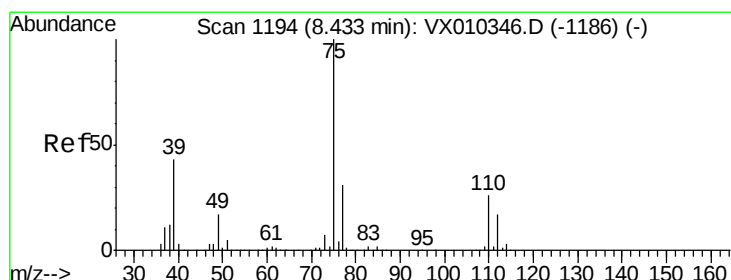
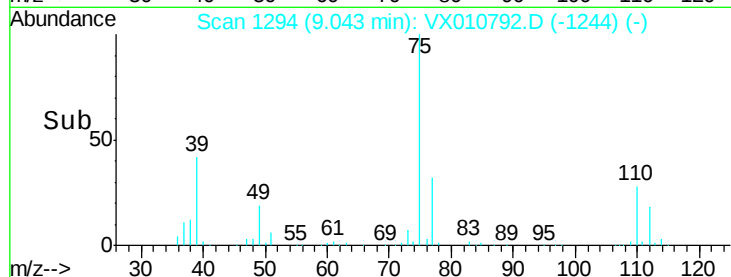
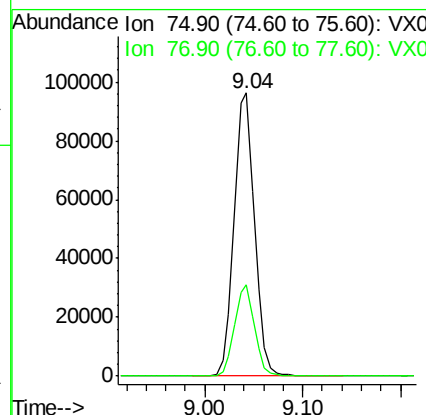
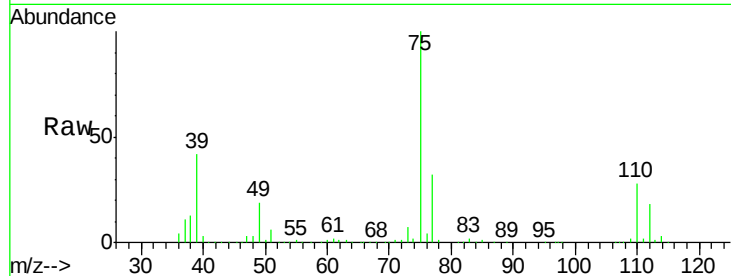
#53
t-1,3-Dichloropropene
Concen: 49.335 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 139669
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2

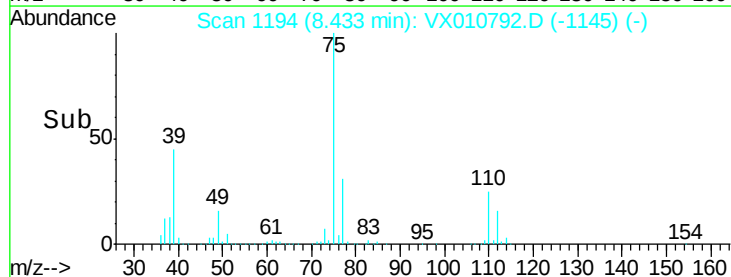
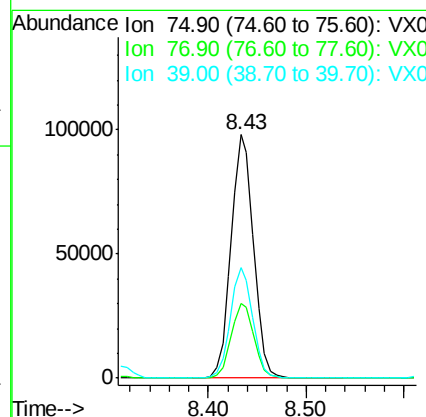
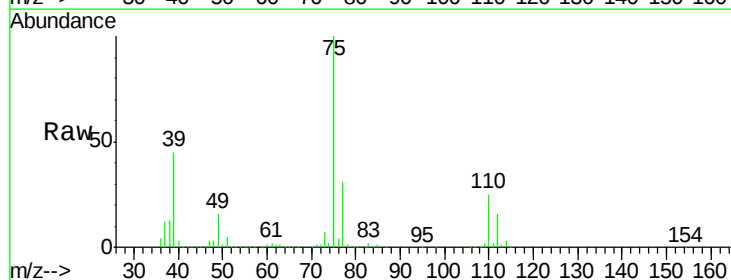
Manual Integrations
APPROVED

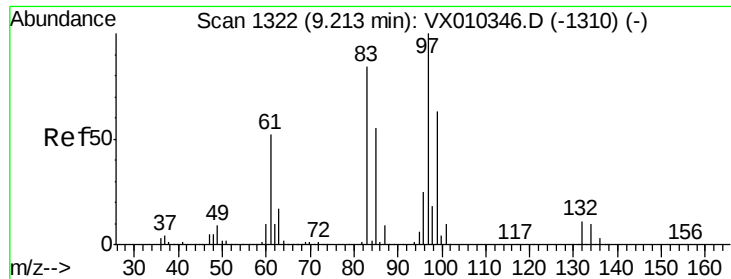
MMDadoda
7/11/2019 10:54:17 AM



#54
cis-1,3-Dichloropropene
Concen: 50.677 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Tgt Ion: 75 Resp: 155907
Ion Ratio Lower Upper
75 100
77 30.8 25.2 37.8
39 45.1 34.5 51.7





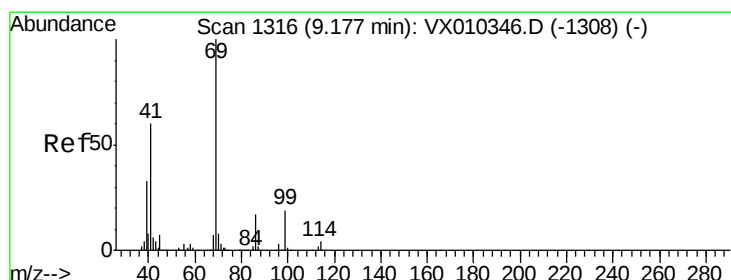
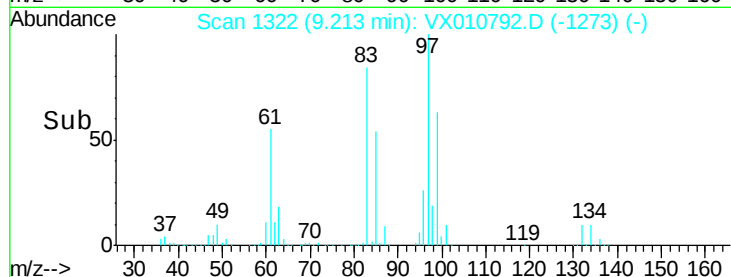
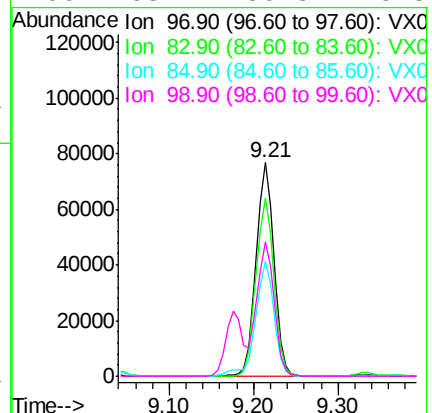
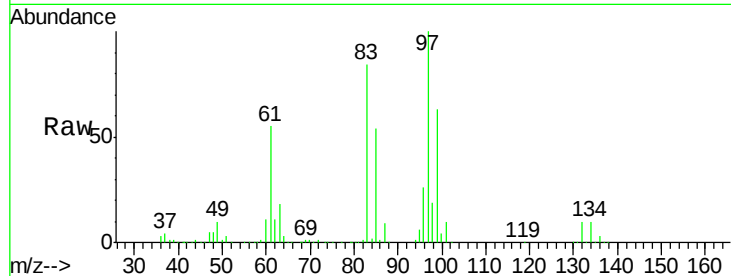
#55
 1,1,2-Trichloroethane
 Concen: 53.200 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010792.D
 Acq: 10 Jul 2019 21:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	109881		
83	83.5	67.4	101.0	
85	53.7	43.8	65.8	
99	63.2	50.3	75.5	

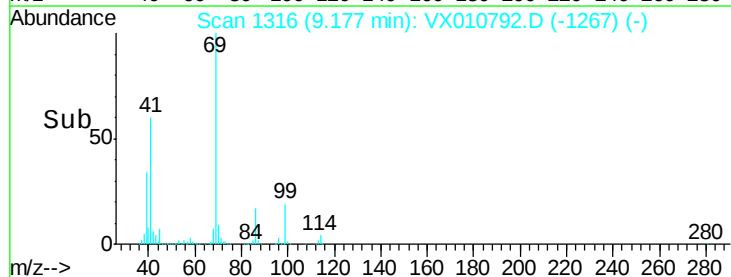
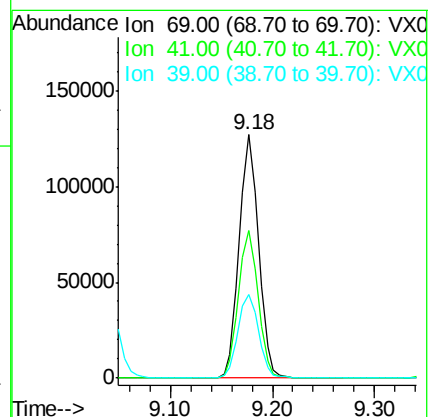
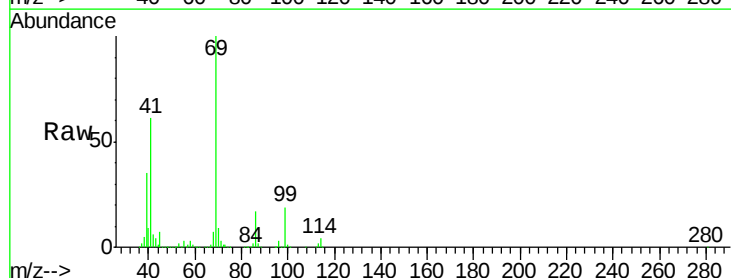
Manual Integrations
 APPROVED

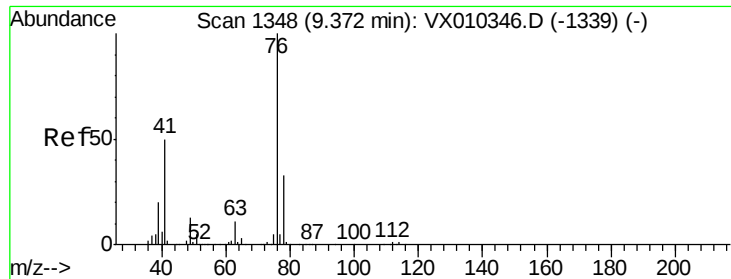
MMDadoda
 7/11/2019 10:54:17 AM



#56
 Ethyl methacrylate
 Concen: 53.479 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010792.D
 Acq: 10 Jul 2019 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	167330		
41	61.2	47.1	70.7	
39	36.5	26.6	40.0	





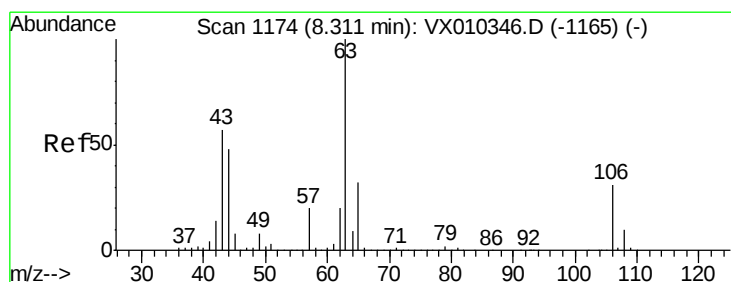
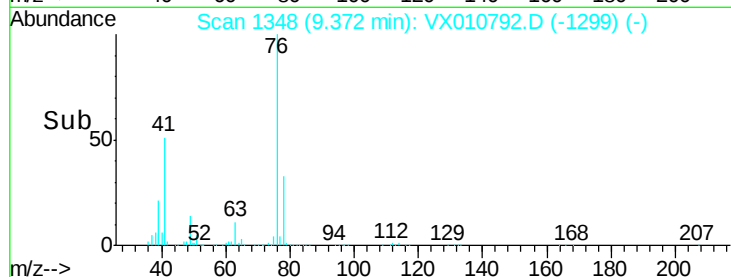
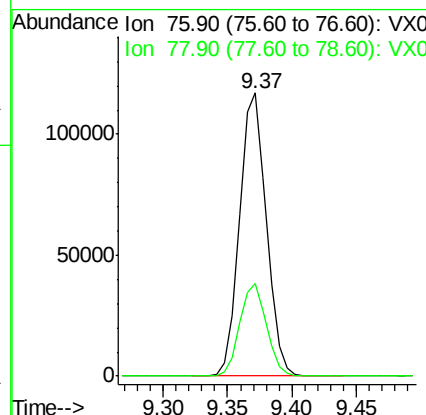
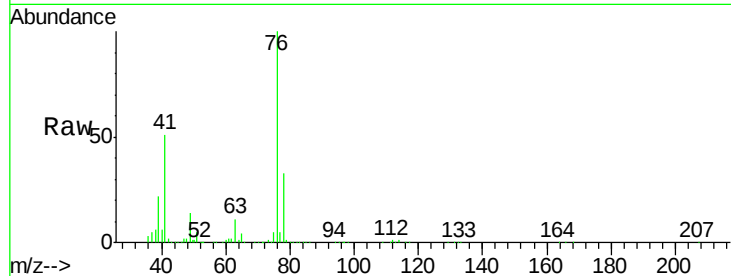
#57
 1,3-Dichloropropane
 Concen: 52.838 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX010792.D
 Acq: 10 Jul 2019 21:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 169410
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.1 39.1

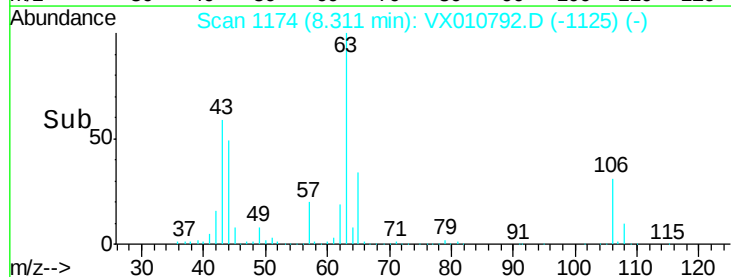
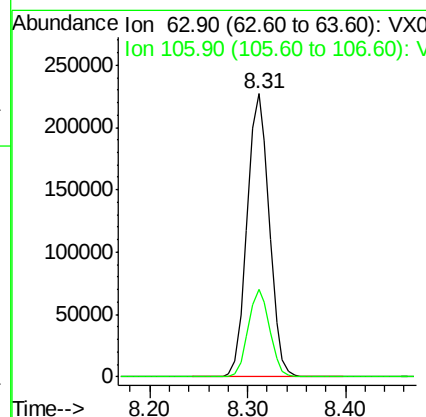
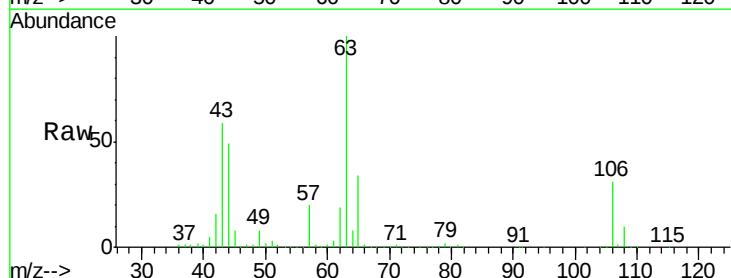
Manual Integrations
 APPROVED

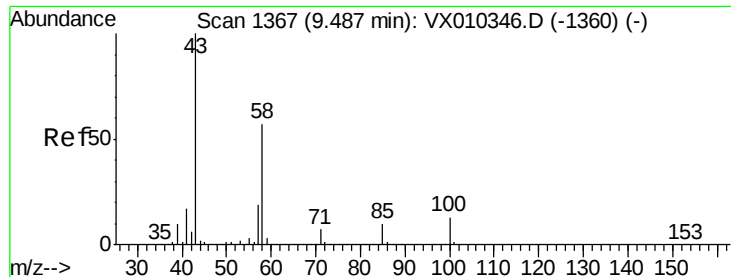
MMDadoda
 7/11/2019 10:54:17 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 239.149 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX010792.D
 Acq: 10 Jul 2019 21:03

Tgt Ion: 63 Resp: 355372
 Ion Ratio Lower Upper
 63 100
 106 30.3 24.7 37.1





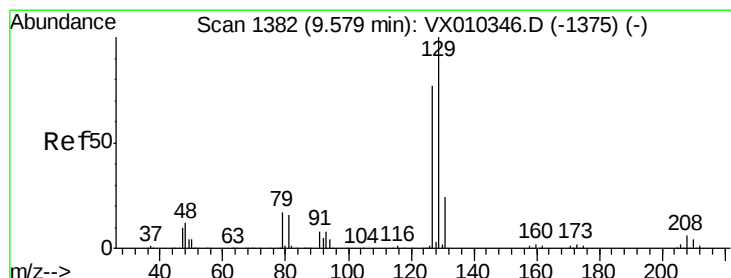
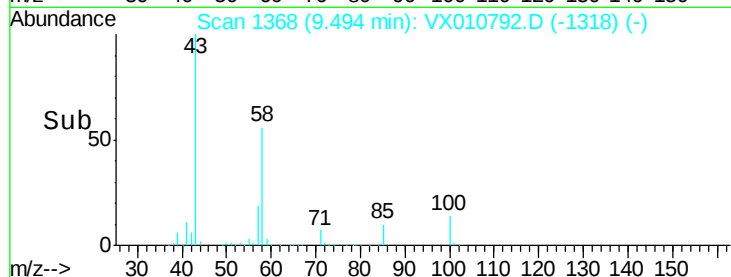
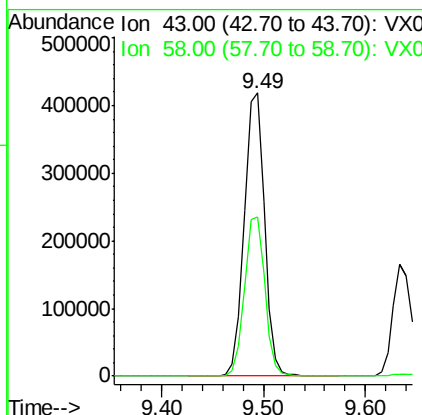
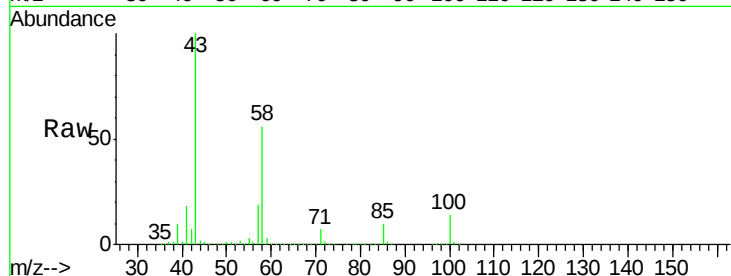
#59
2-Hexanone
Concen: 276.190 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 577603
Ion Ratio Lower Upper
43 100
58 56.6 29.0 87.1

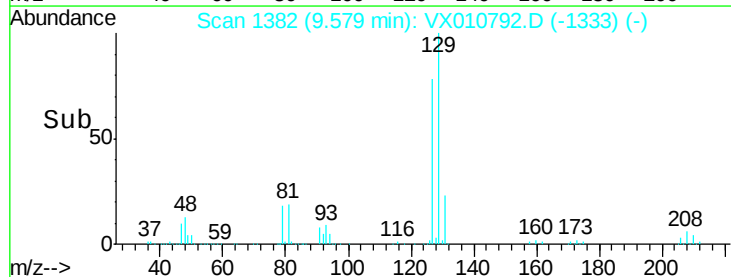
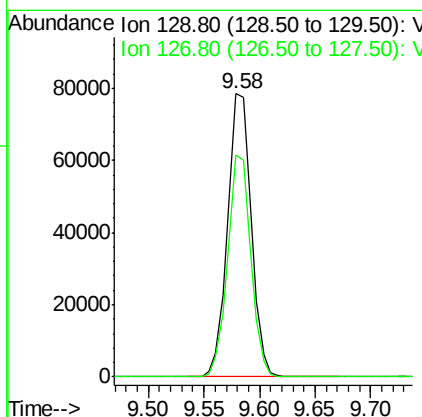
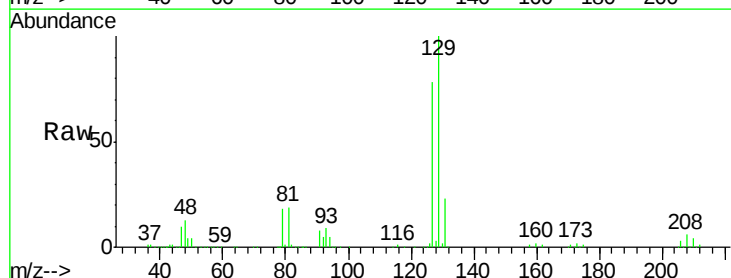
Manual Integrations
APPROVED

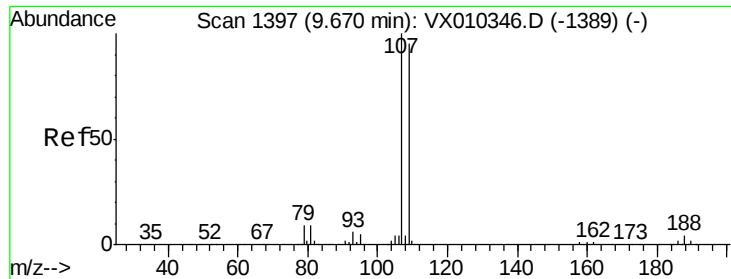
MMDadoda
7/11/2019 10:54:17 AM



#60
Dibromochloromethane
Concen: 50.103 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Tgt Ion: 129 Resp: 115868
Ion Ratio Lower Upper
129 100
127 76.8 38.4 115.1





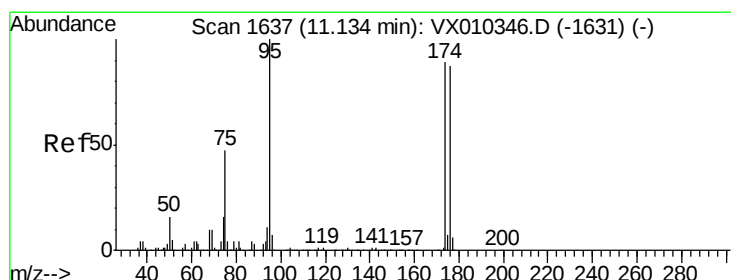
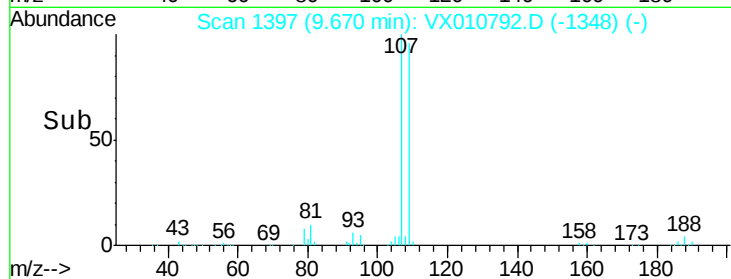
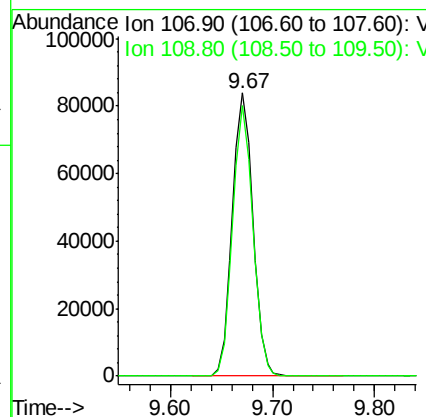
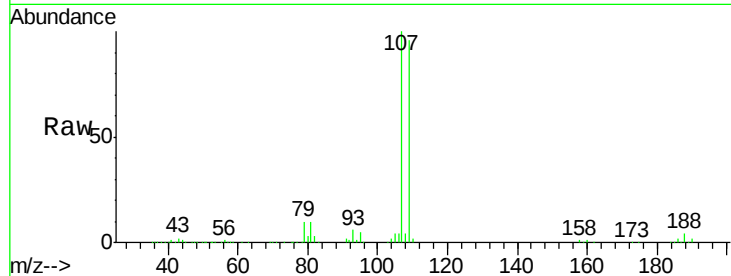
#61
 1,2-Dibromoethane
 Concen: 52.557 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX010792.D
 Acq: 10 Jul 2019 21:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	117172		
109	94.1	75.8	113.6	

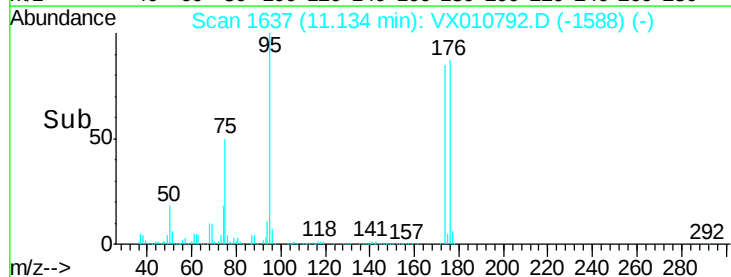
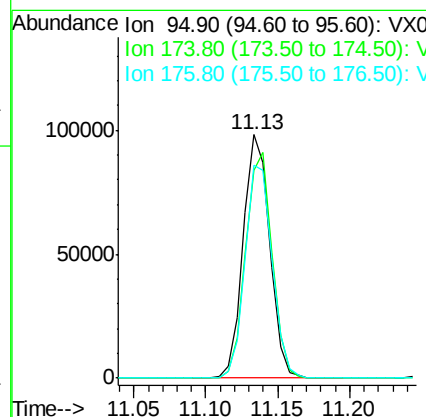
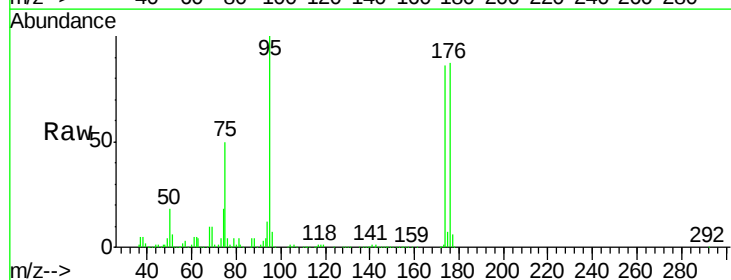
Manual Integrations
 APPROVED

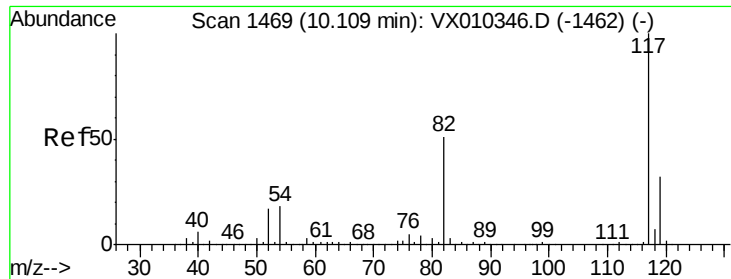
MMDadoda
 7/11/2019 10:54:17 AM



#62
 4-Bromofluorobenzene
 Concen: 48.395 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX010792.D
 Acq: 10 Jul 2019 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	125629		
174	92.2	0.0	187.6	
176	89.2	0.0	184.0	





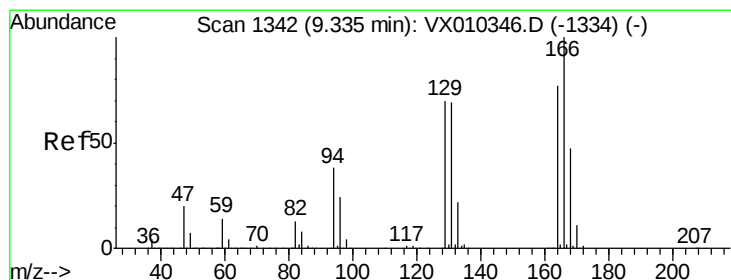
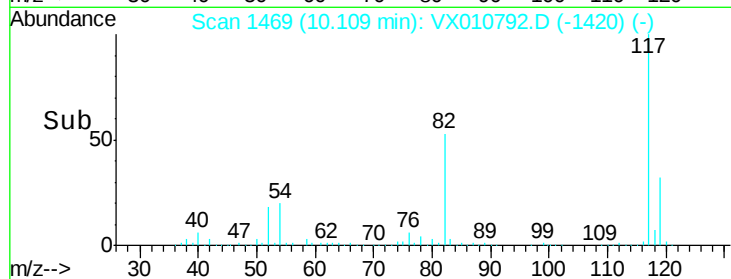
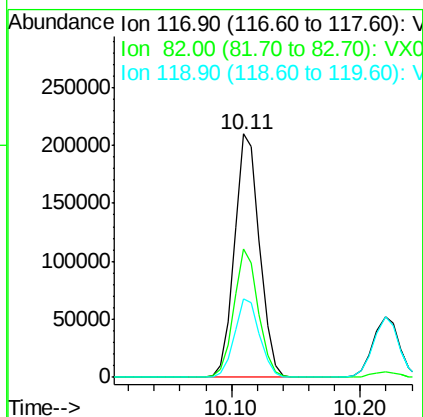
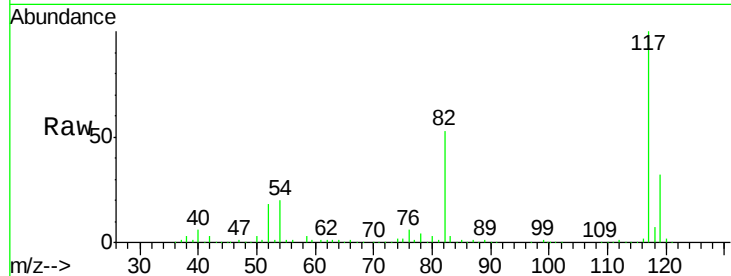
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	284227		
82	52.8	41.2	61.8	
119	32.5	25.5	38.3	

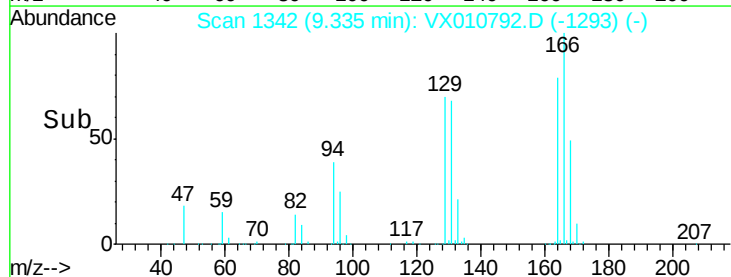
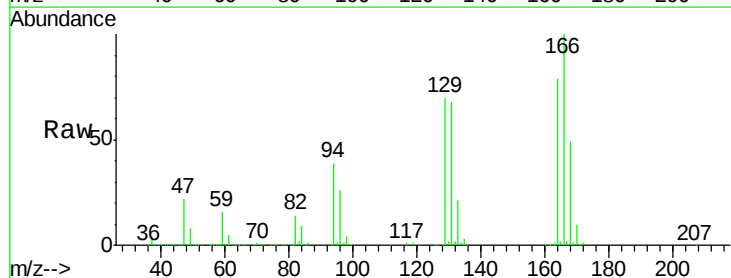
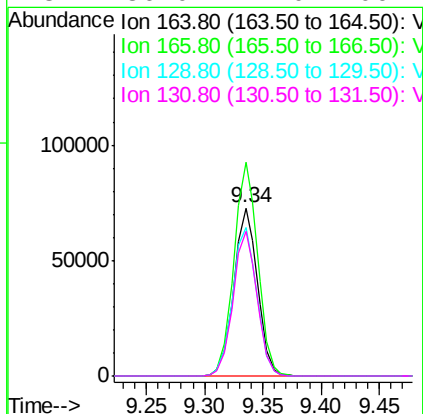
Manual Integrations
APPROVED

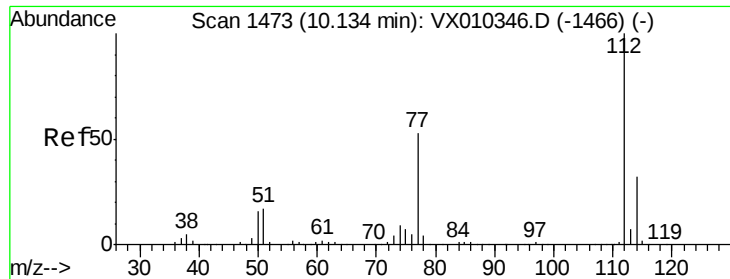
MMDadoda
7/11/2019 10:54:17 AM



#64
Tetrachloroethene
Concen: 44.723 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	102815		
166	127.3	103.6	155.4	
129	88.5	73.0	109.4	
131	86.0	71.0	106.4	





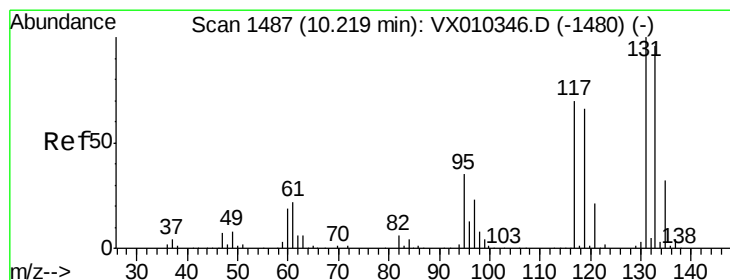
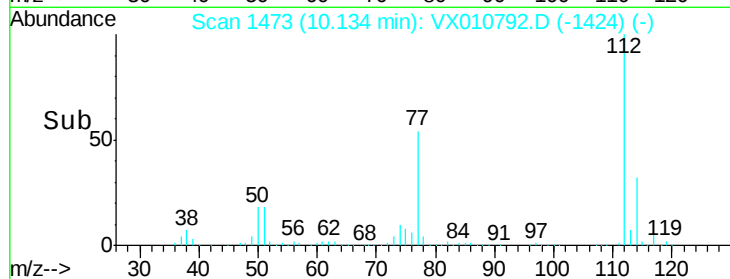
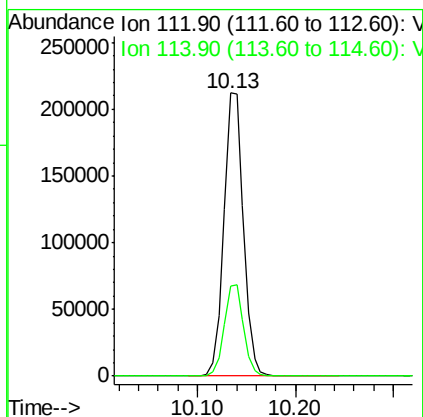
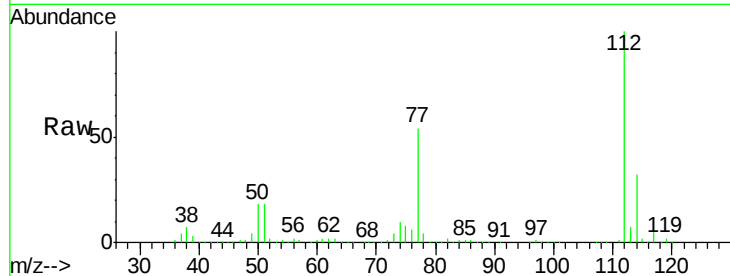
#65
Chlorobenzene
Concen: 50.677 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 292423
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

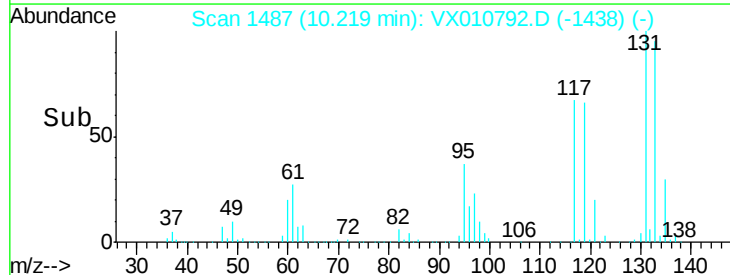
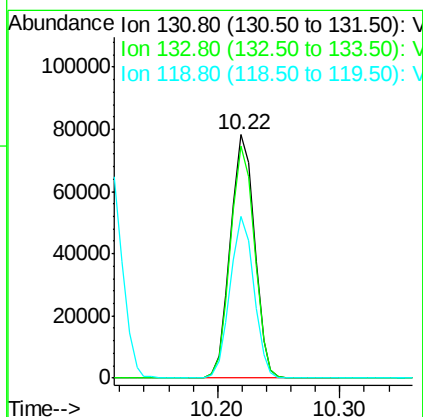
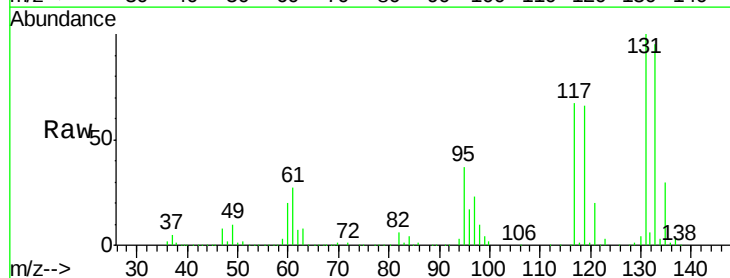
Manual Integrations
APPROVED

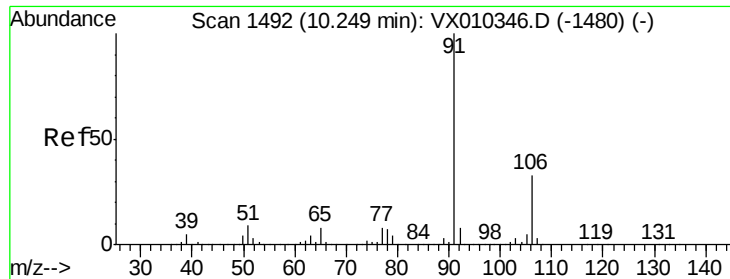
MMDadoda
7/11/2019 10:54:17 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.795 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Tgt Ion:131 Resp: 106765
Ion Ratio Lower Upper
131 100
133 95.1 47.7 143.1
119 65.2 32.6 97.7





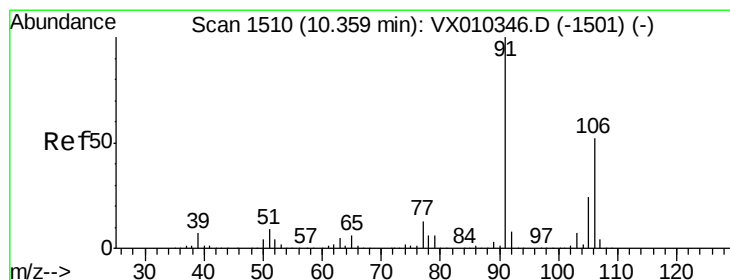
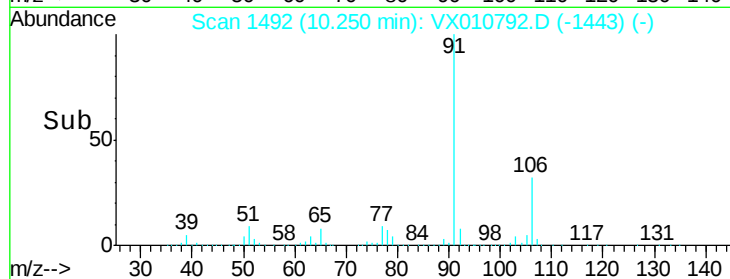
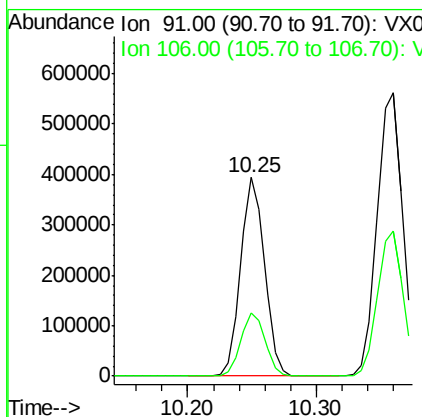
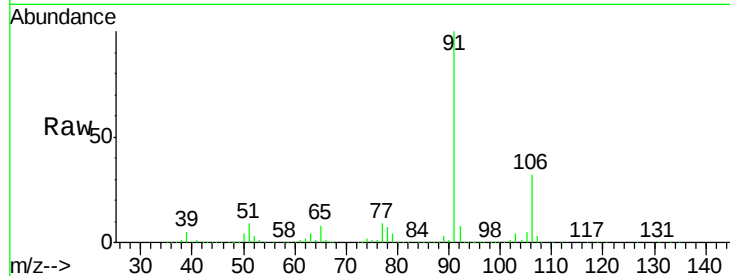
#67
Ethyl Benzene
Concen: 52.030 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 506855
Ion Ratio Lower Upper
91 100
106 32.0 26.2 39.2

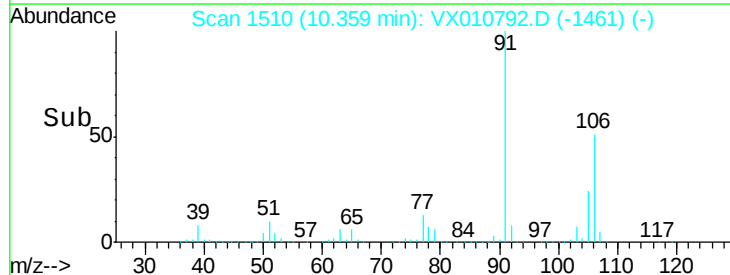
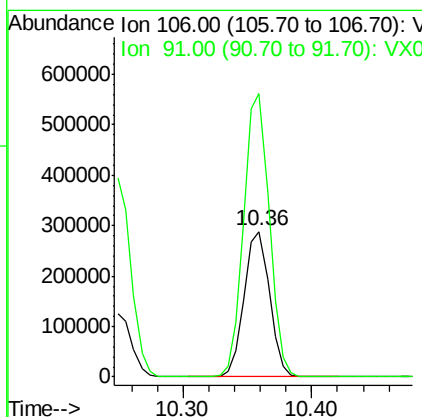
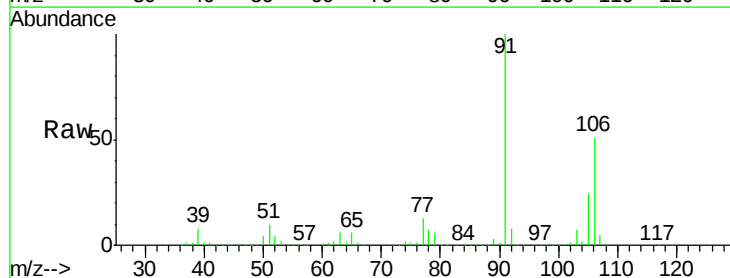
Manual Integrations
APPROVED

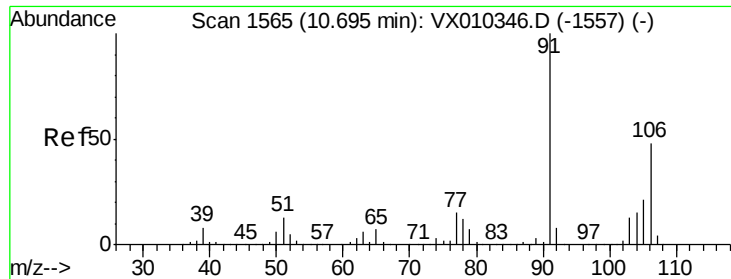
MMDadoda
7/11/2019 10:54:17 AM



#68
m/p-Xylenes
Concen: 103.843 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Tgt Ion: 106 Resp: 391968
Ion Ratio Lower Upper
106 100
91 196.2 155.3 232.9





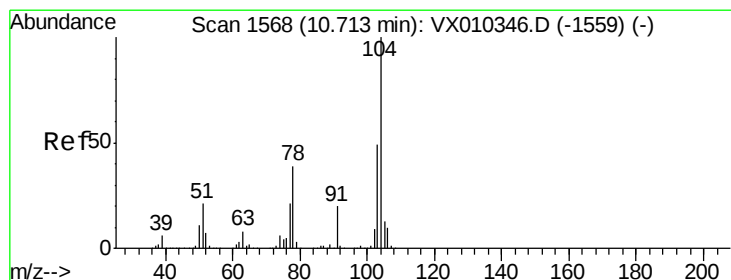
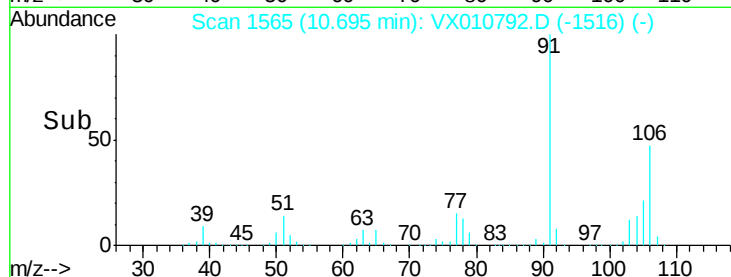
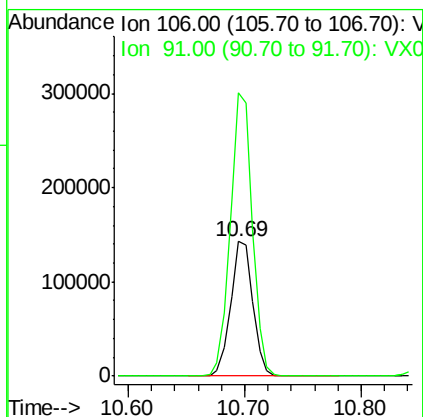
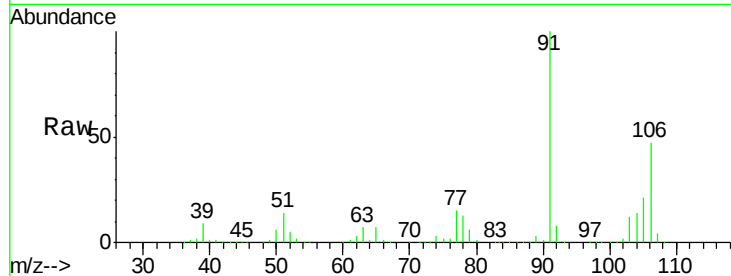
#69
o-Xylene
Concen: 51.179 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 189975
Ion Ratio Lower Upper
106 100
91 208.6 102.7 308.1

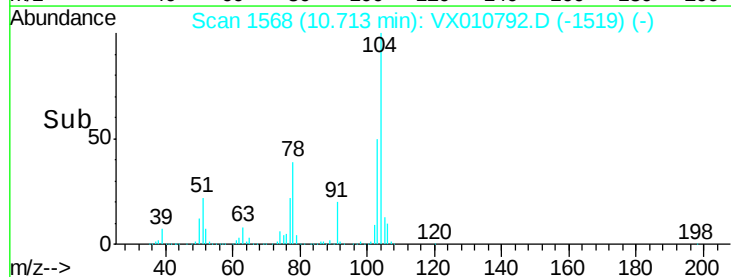
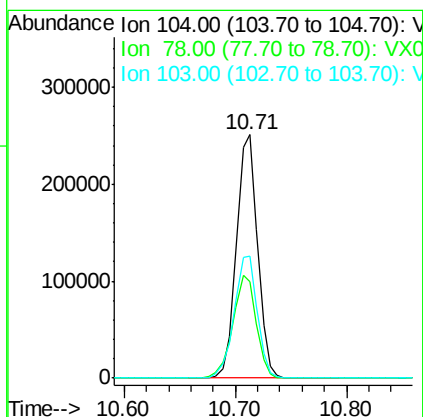
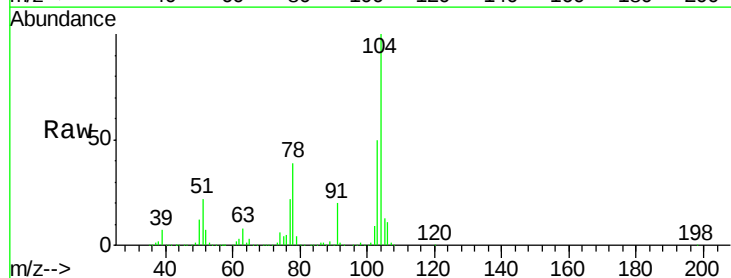
Manual Integrations
APPROVED

MMDadoda
7/11/2019 10:54:17 AM



#70
Styrene
Concen: 53.037 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Tgt Ion:104 Resp: 330166
Ion Ratio Lower Upper
104 100
78 46.6 36.2 54.2
103 55.1 44.2 66.4





#71

Bromoform

Concen: 48.096 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:173 Resp: 87912

Ion Ratio Lower Upper

173 100

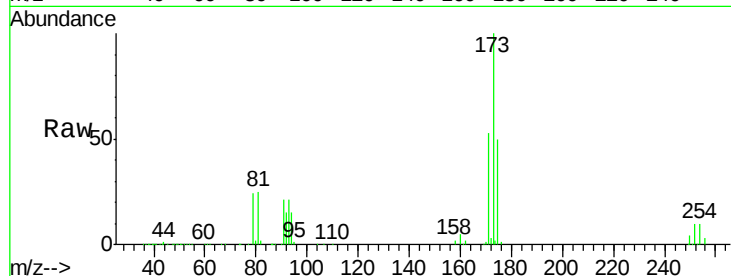
175 49.1 24.1 72.3

254 0.0 0.2 0.2#

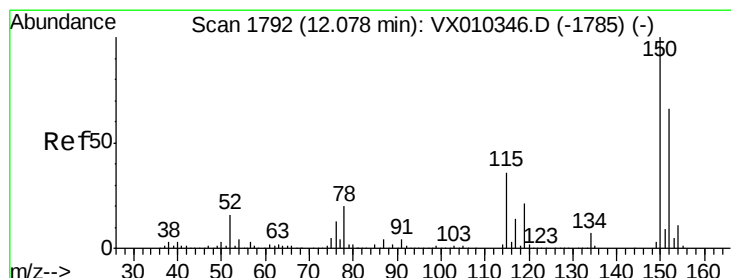
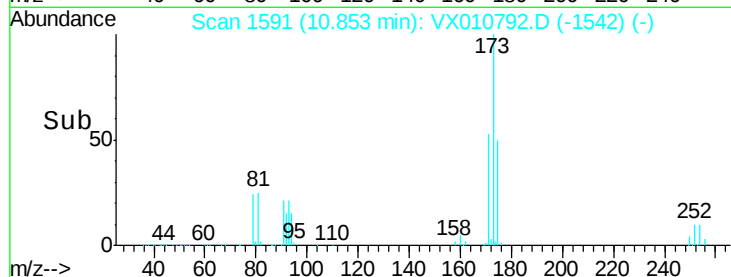
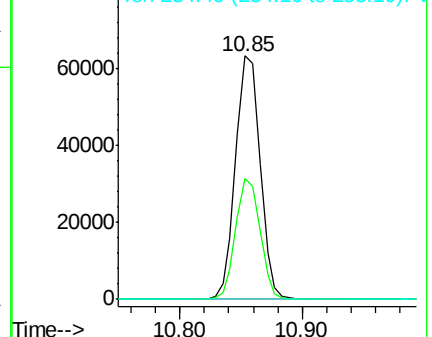
Manual Integrations
APPROVED

MMDadoda

7/11/2019 10:54:17 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: VX010792.D

Acq: 10 Jul 2019 21:03

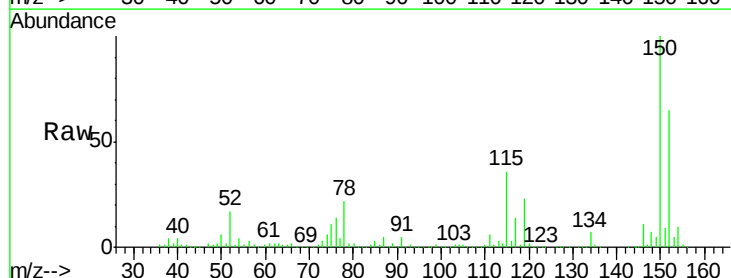
Tgt Ion:152 Resp: 155154

Ion Ratio Lower Upper

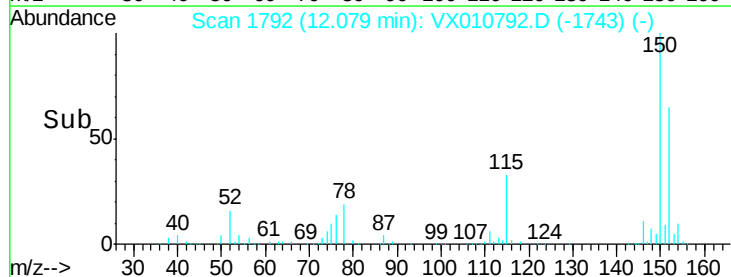
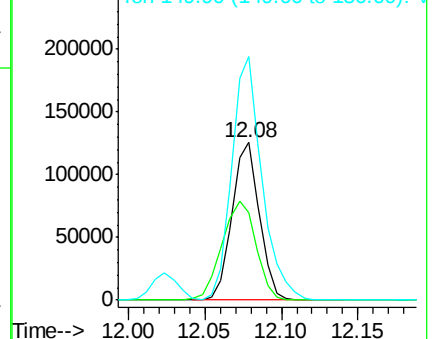
152 100

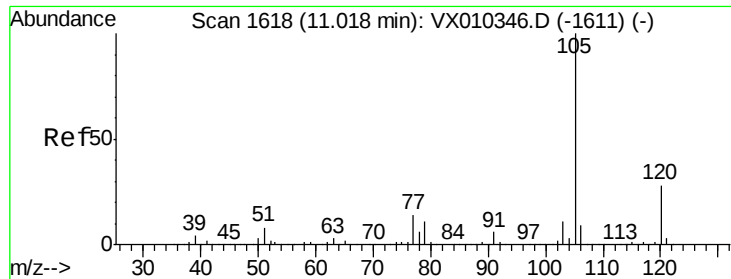
115 78.5 38.6 115.7

150 170.6 0.0 347.4



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: 48.264 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 507621

Ion Ratio Lower Upper

105 100

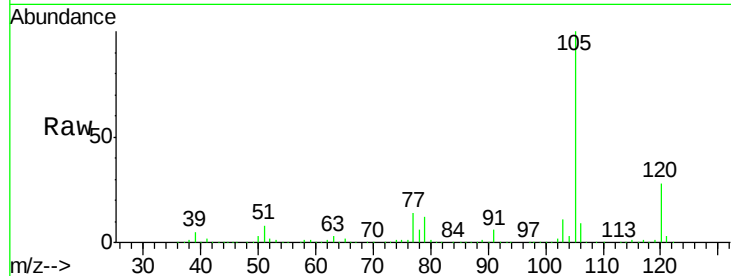
120 27.7 14.1 42.4

Manual Integrations

APPROVED

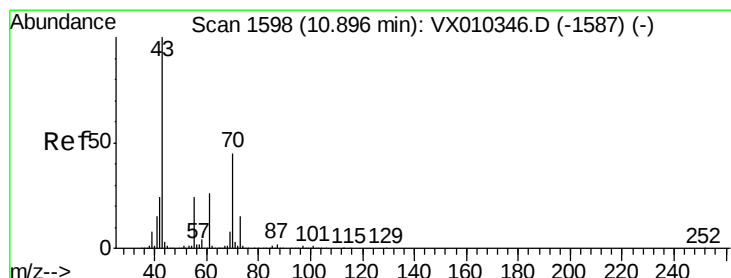
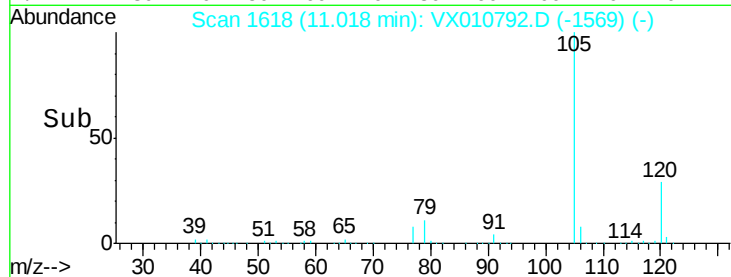
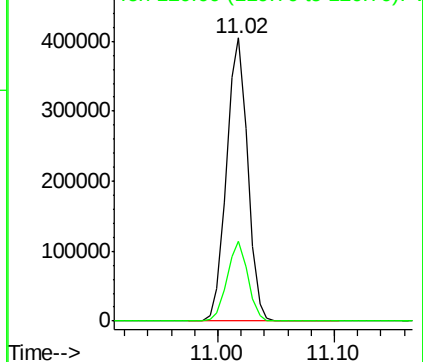
MMDadoda

7/11/2019 10:54:17 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.864 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Tgt Ion: 43 Resp: 214097

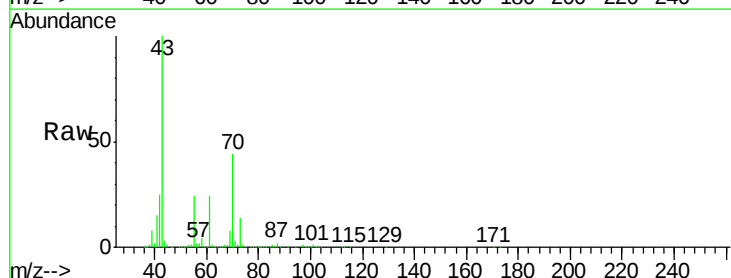
Ion Ratio Lower Upper

43 100

70 44.0 36.6 54.8

55 24.1 18.7 28.1

61 24.8 20.6 31.0

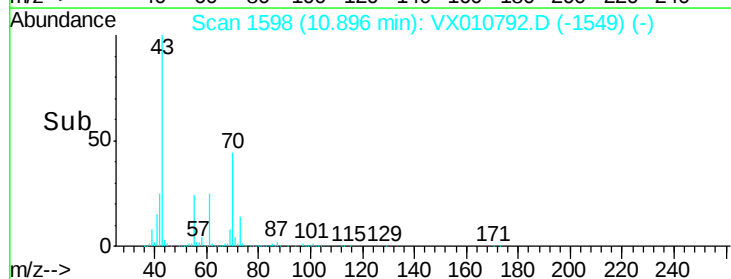
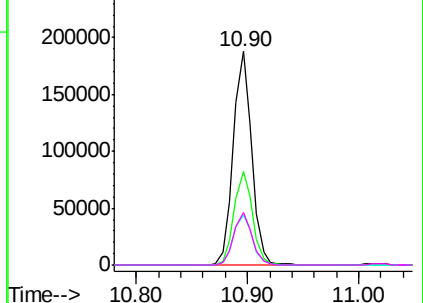


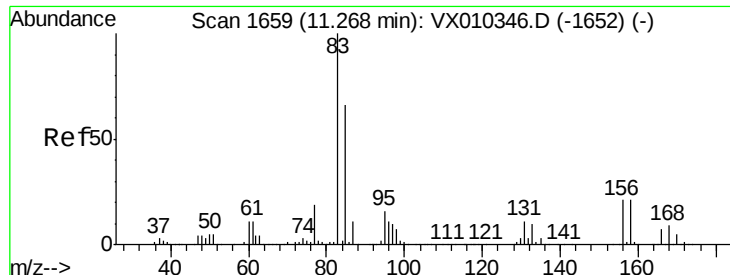
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.685 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 176542

Ion Ratio Lower Upper

83 100

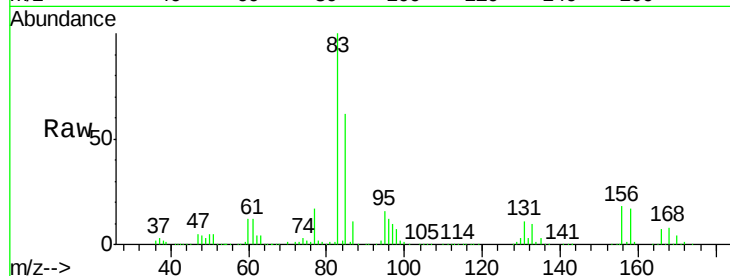
131 11.0 5.5 16.4

85 63.2 32.3 96.8

Manual Integrations
APPROVED

MMDadoda

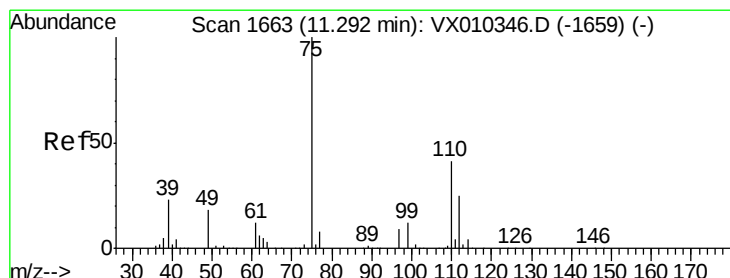
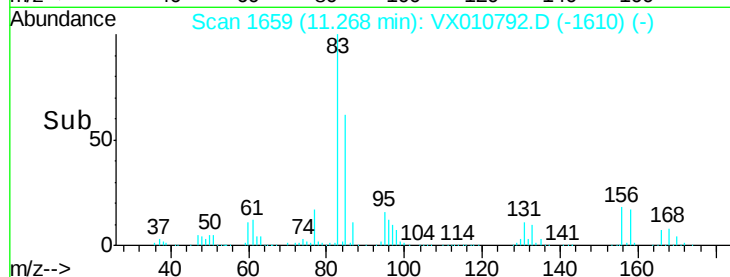
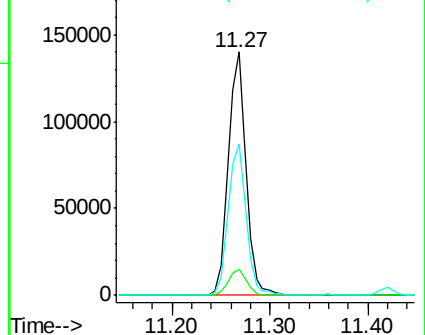
7/11/2019 10:54:17 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 49.986 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010792.D

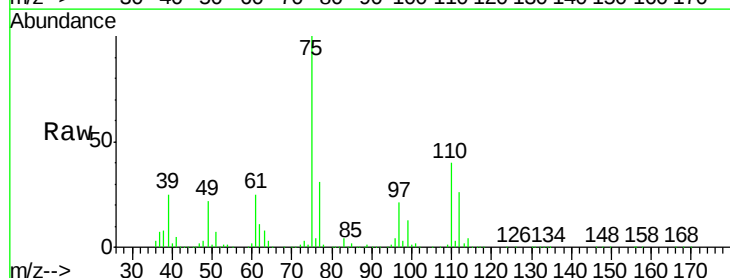
Acq: 10 Jul 2019 21:03

Tgt Ion: 75 Resp: 141326

Ion Ratio Lower Upper

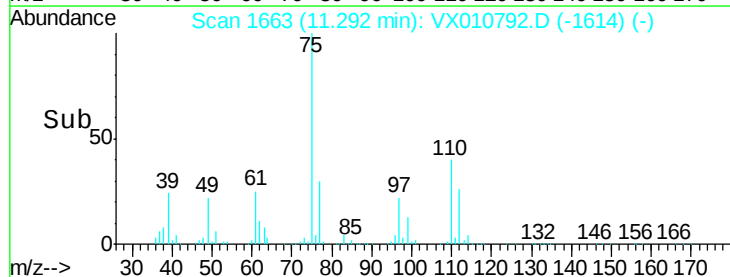
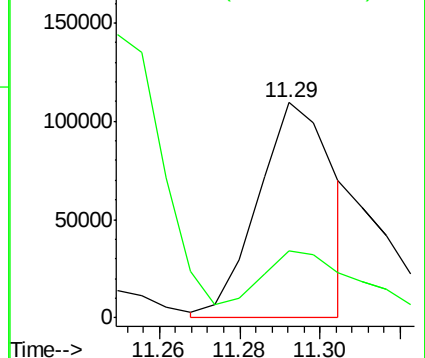
75 100

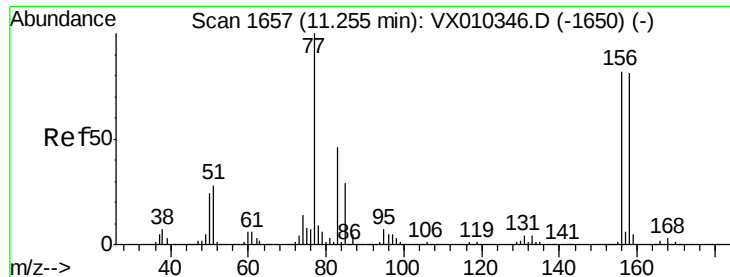
77 42.4 22.6 67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.555 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Instrument :

MSVOA_X

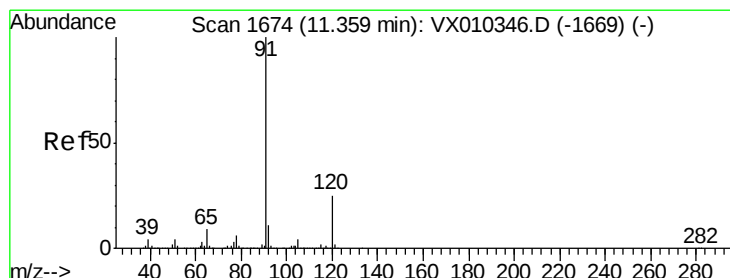
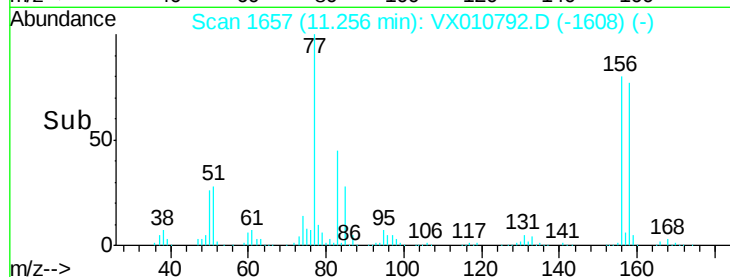
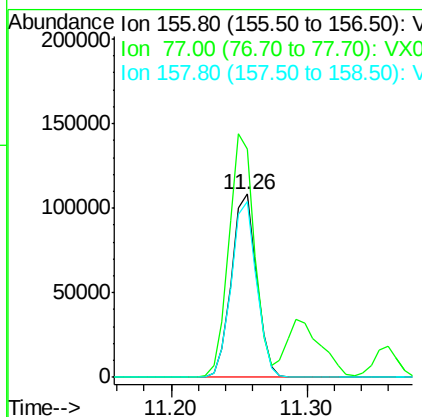
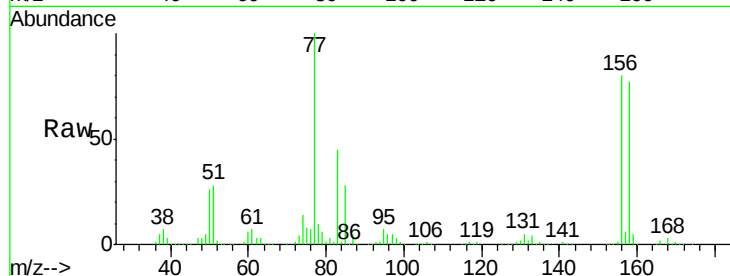
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	156	Resp:	139660
Ion Ratio	Lower	Upper	
156	100		
77	134.4	66.3	198.7
158	96.6	48.9	146.7

Manual Integrations
APPROVED

MMDadoda
7/11/2019 10:54:17 AM



#78

n-propylbenzene

Concen: 49.610 ug/l

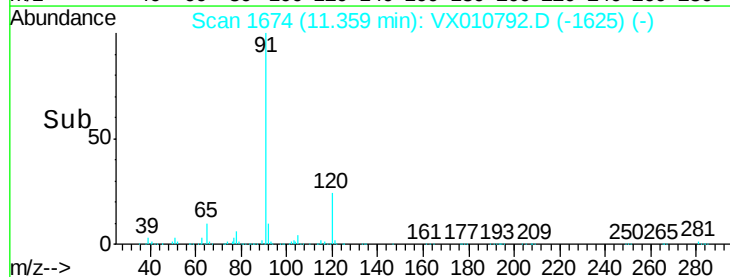
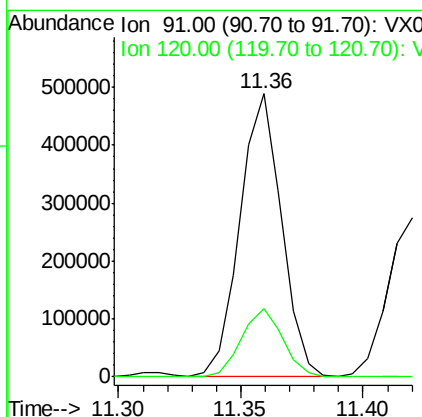
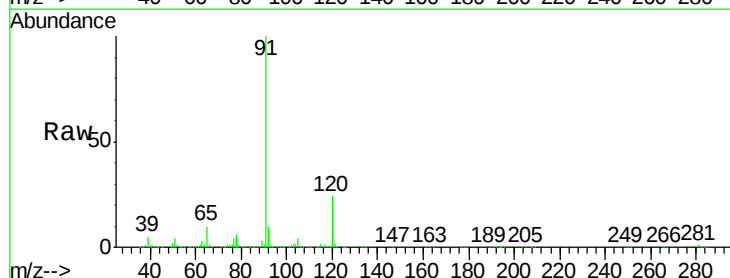
RT: 11.36 min Scan# 1674

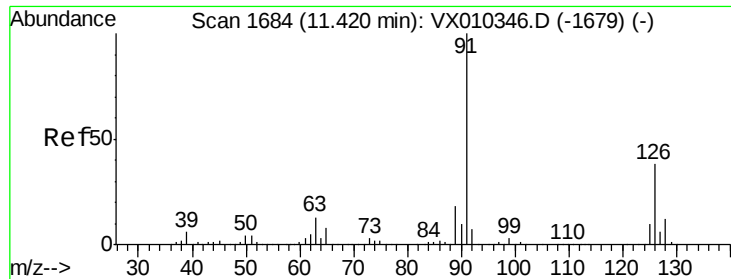
Delta R.T. 0.00 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Tgt Ion:	91	Resp:	573449
Ion Ratio	Lower	Upper	
91	100		
120	24.3	12.4	37.4





#79

2-Chlorotoluene

Concen: 49.158 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 338364

Ion Ratio Lower Upper

91 100

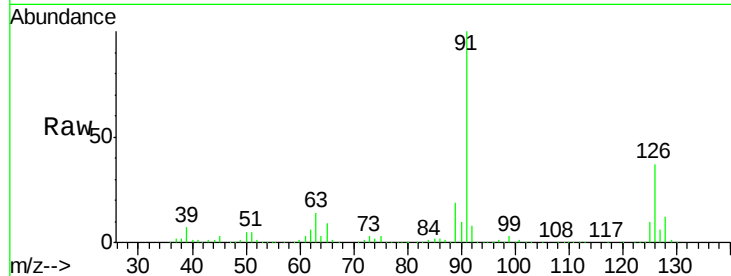
126 37.0 18.7 56.1

Manual Integrations

APPROVED

MMDadoda

7/11/2019 10:54:17 AM



Abundance Ion 91.00 (90.70 to 91.70): VX010346.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010346.D (-1679) (-)

500000

400000

300000

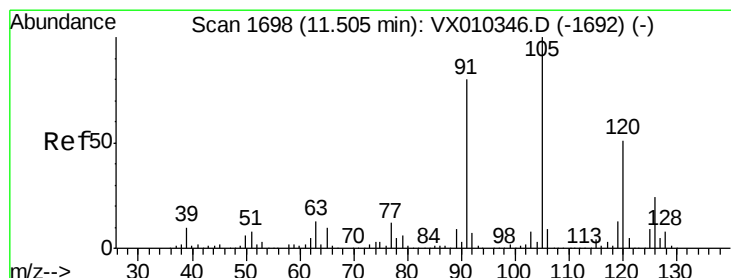
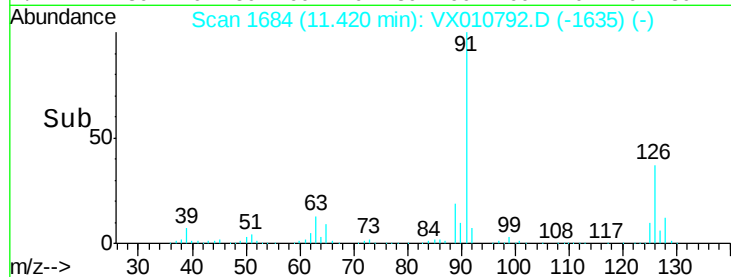
200000

100000

0

11.40 11.42 11.44 11.46

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.816 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010792.D

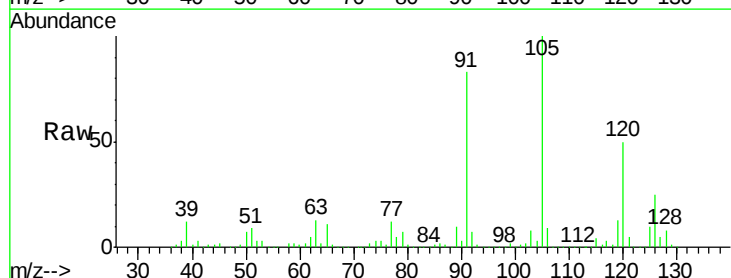
Acq: 10 Jul 2019 21:03

Tgt Ion: 105 Resp: 431929

Ion Ratio Lower Upper

105 100

120 49.1 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VX010346.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010346.D (-1692) (-)

400000

300000

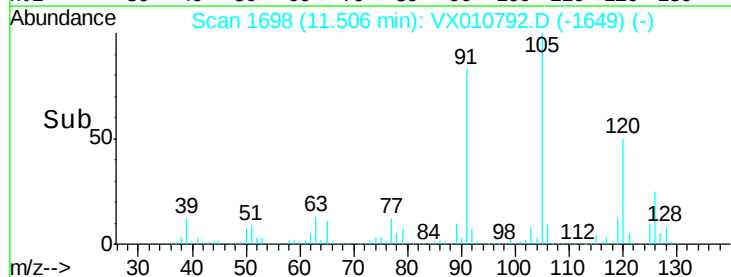
200000

100000

0

11.50 11.51 11.52 11.53

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 40.574 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Instrument :

MSVOA_X

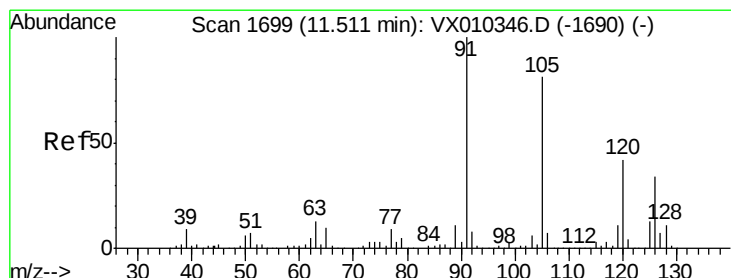
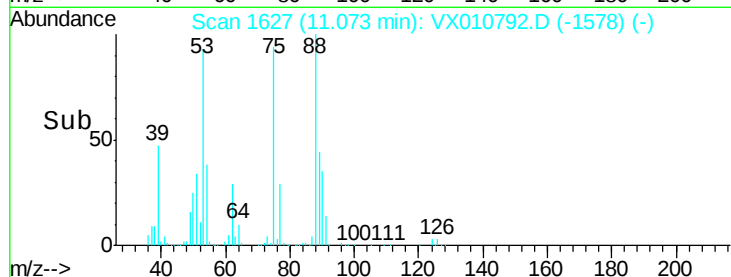
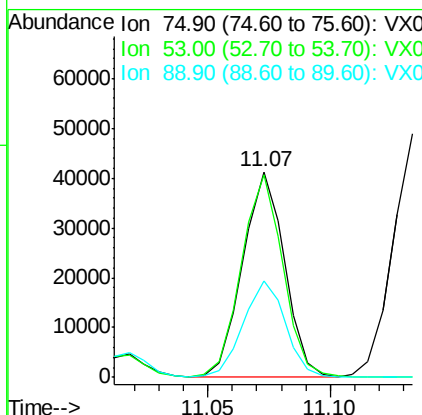
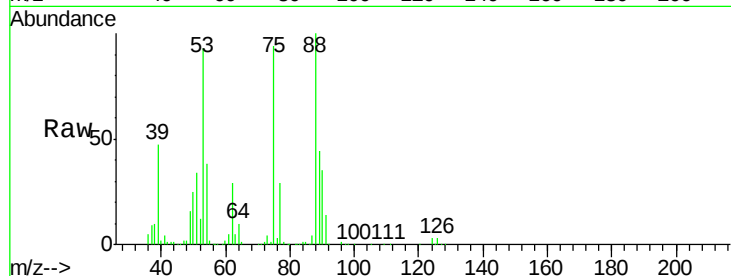
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	75	Resp:	49173
Ion	Ratio	Lower	Upper
75	100		
53	97.5	66.1	99.1
89	47.7	37.8	56.6

Manual Integrations
APPROVED

MMDadoda
7/11/2019 10:54:17 AM



#82

4-Chlorotoluene

Concen: 50.125 ug/l

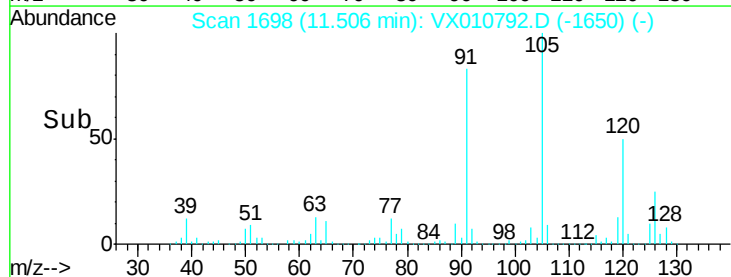
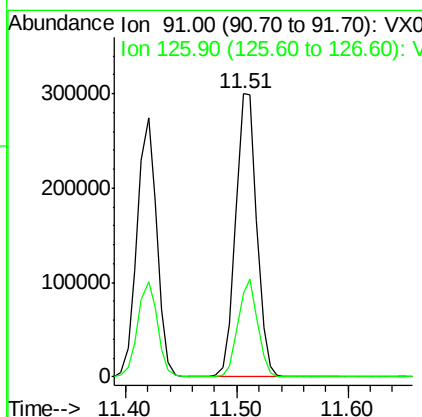
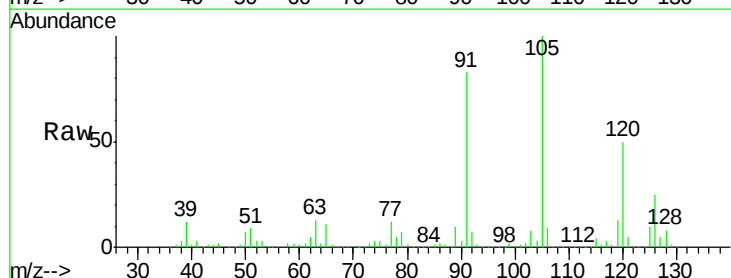
RT: 11.51 min Scan# 1698

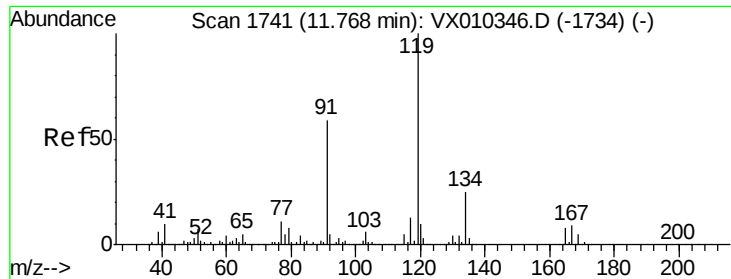
Delta R.T. -0.01 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Tgt Ion:	91	Resp:	392596
Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.2	48.6





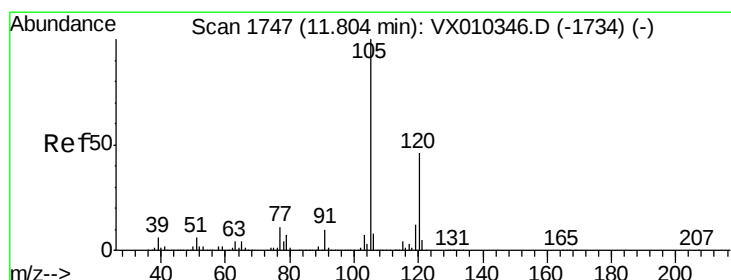
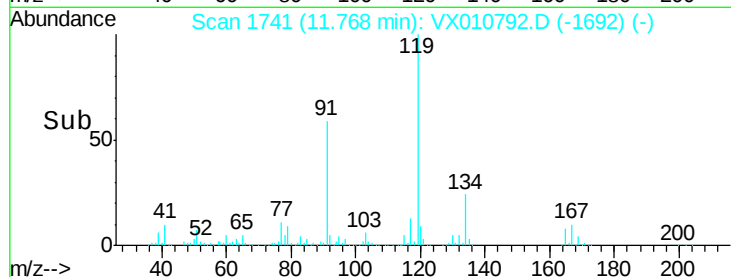
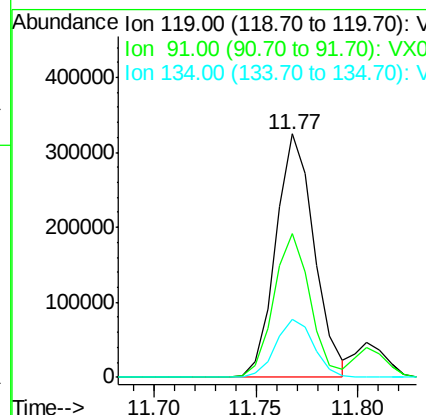
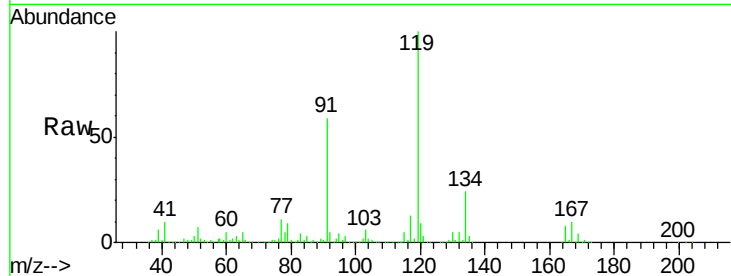
#83
 tert-Butylbenzene
 Concen: 49.039 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010792.D
 Acq: 10 Jul 2019 21:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	426754		
91	55.9	27.6	82.7	
134	23.8	11.8	35.4	

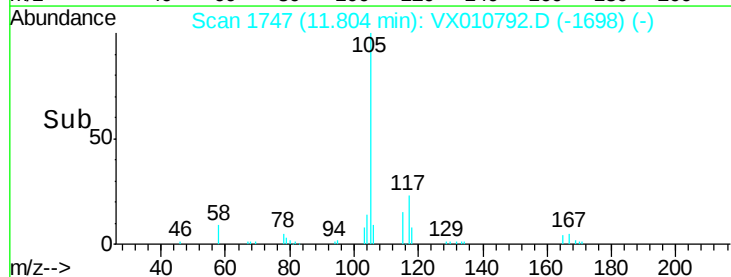
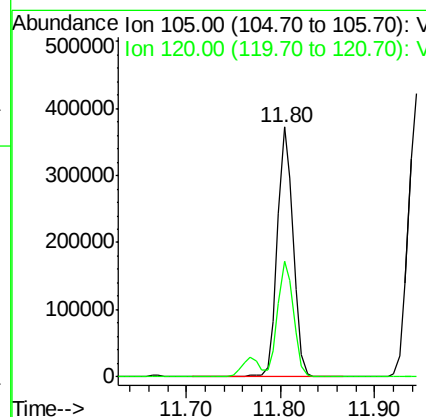
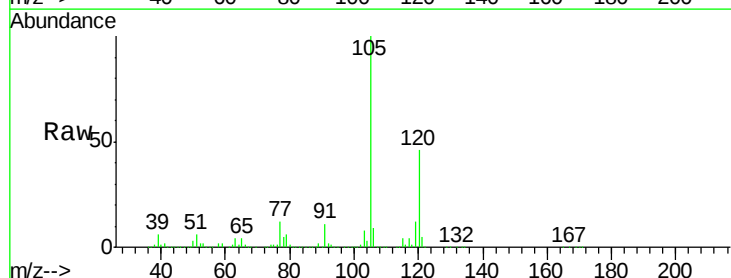
Manual Integrations
 APPROVED

MMDadoda
 7/11/2019 10:54:17 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.945 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010792.D
 Acq: 10 Jul 2019 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	435072		
120	46.2	23.1	69.2	





#85

sec-Butylbenzene

Concen: 49.399 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 504746

Ion Ratio Lower Upper

105 100

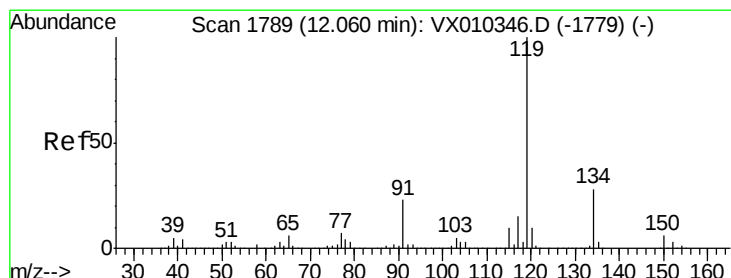
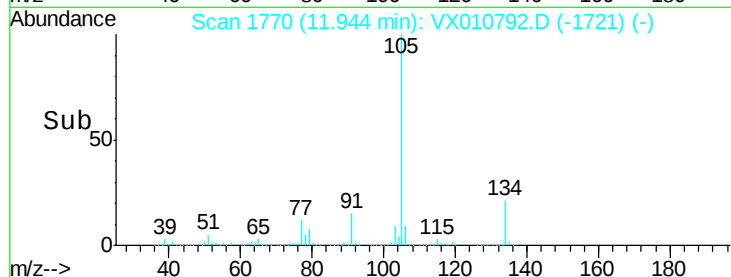
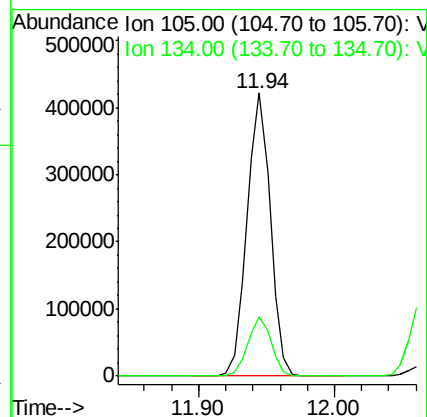
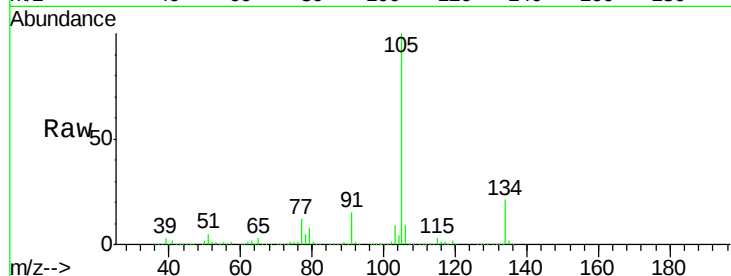
134 21.1 10.7 31.9

Manual Integrations

APPROVED

MMDadoda

7/11/2019 10:54:17 AM



#86

p-Isopropyltoluene

Concen: 49.266 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010792.D

Acq: 10 Jul 2019 21:03

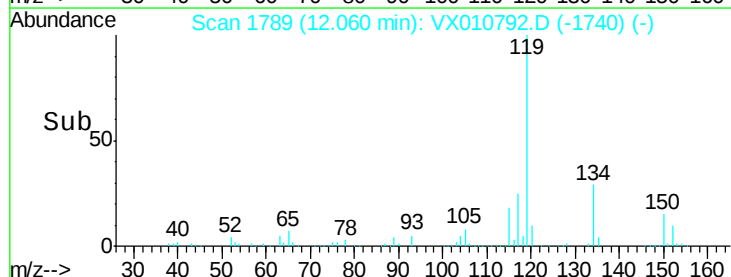
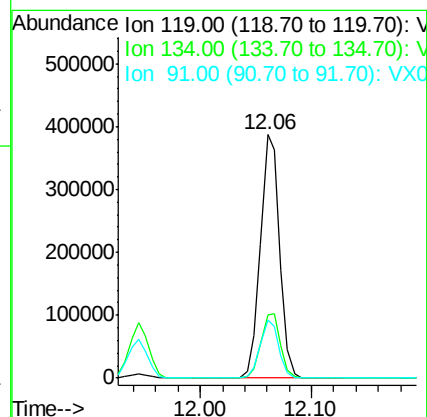
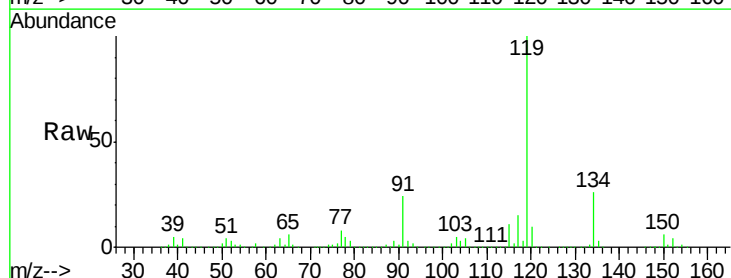
Tgt Ion:119 Resp: 465622

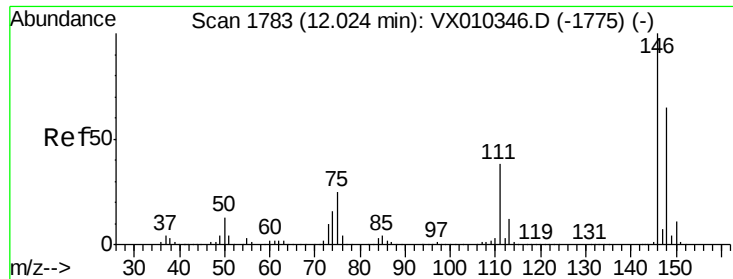
Ion Ratio Lower Upper

119 100

134 27.0 13.7 41.1

91 23.1 11.3 33.8





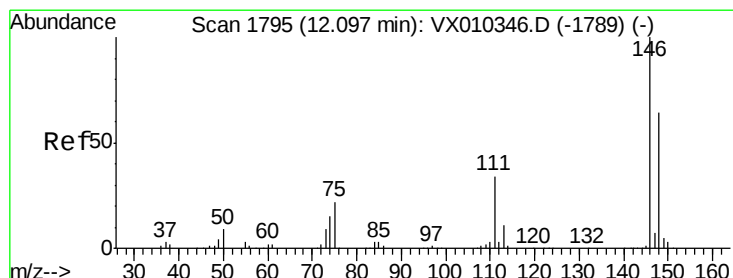
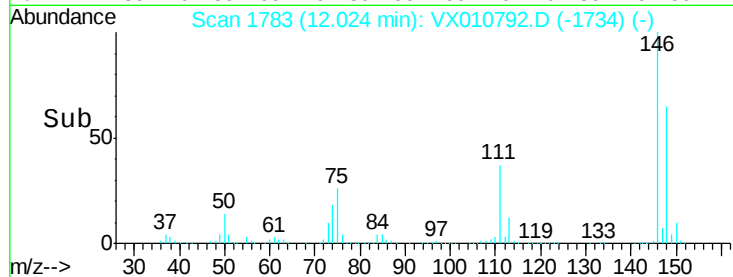
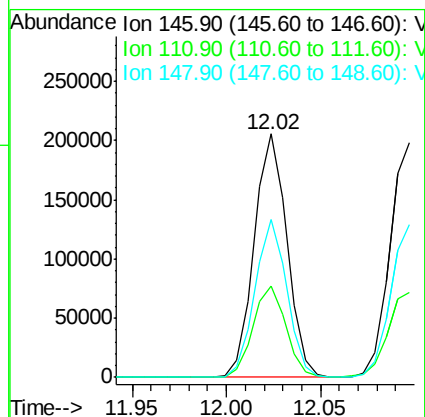
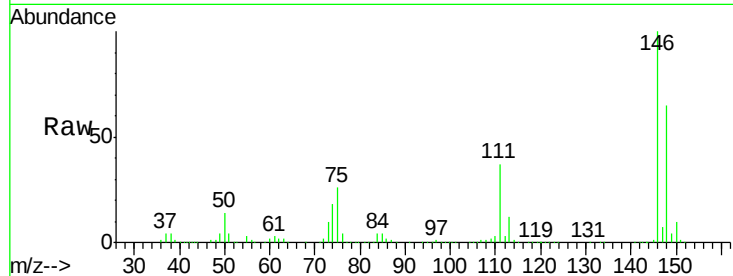
#87
 1,3-Dichlorobenzene
 Concen: 48.298 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010792.D
 Acq: 10 Jul 2019 21:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.1
148	63.4	32.5	97.4

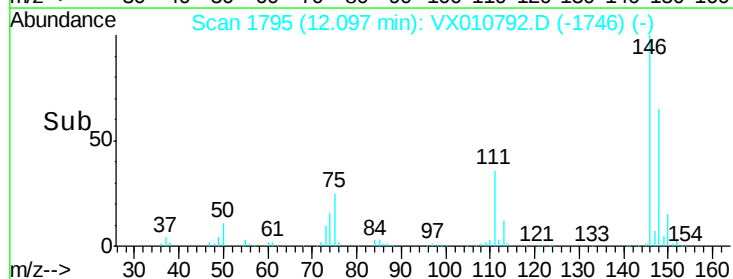
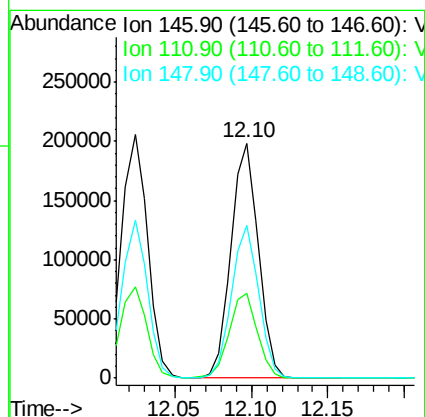
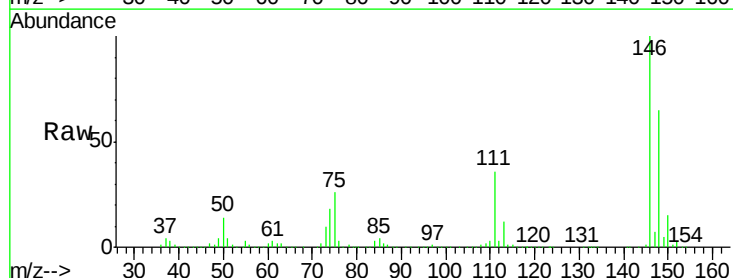
Manual Integrations
 APPROVED

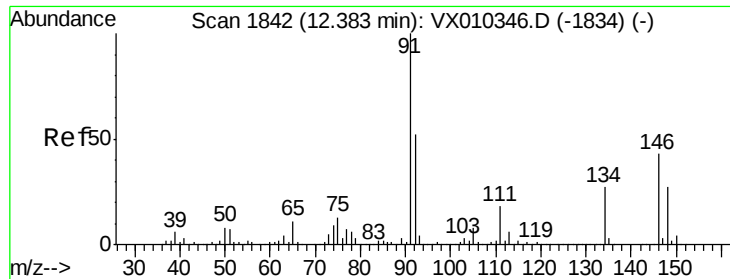
MMDadoda
 7/11/2019 10:54:17 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.011 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010792.D
 Acq: 10 Jul 2019 21:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.1	54.3
148	64.6	32.1	96.3





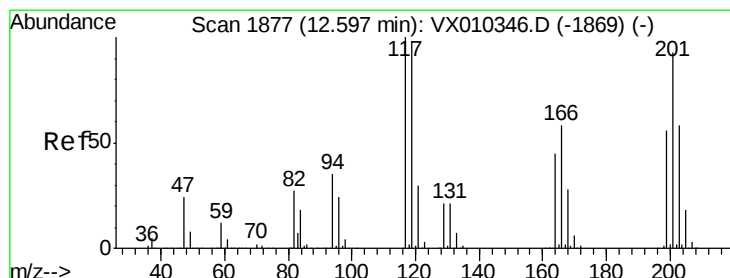
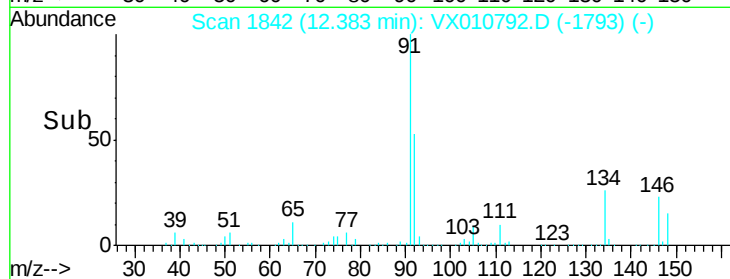
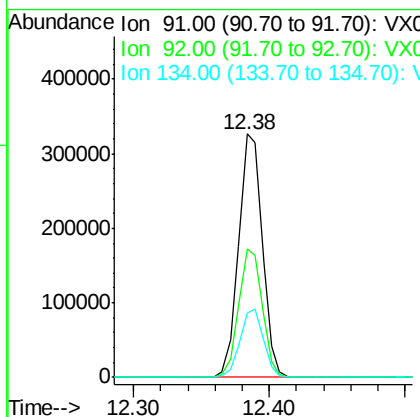
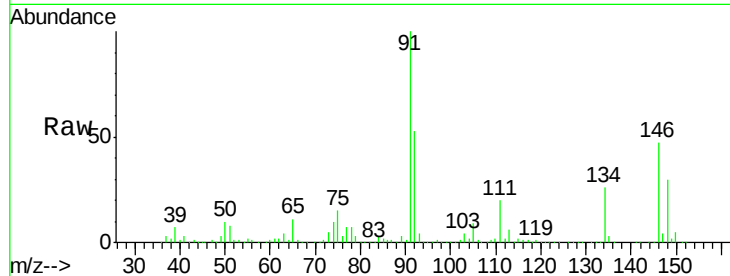
#89
n-Butylbenzene
Concen: 49.150 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.2	78.5
134	27.6	14.1	42.4

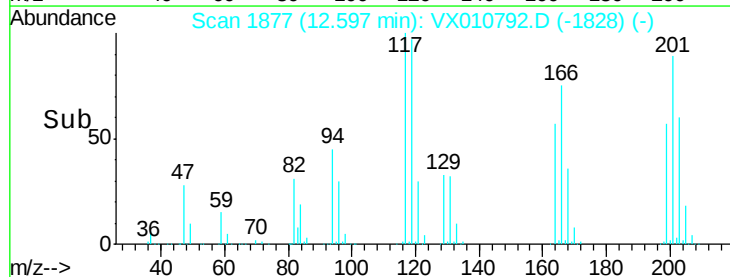
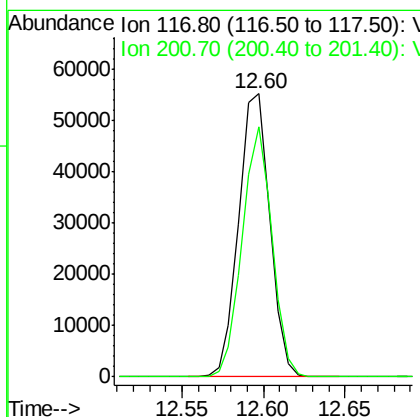
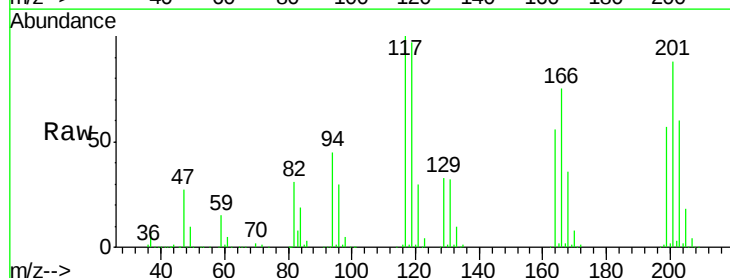
Manual Integrations
APPROVED

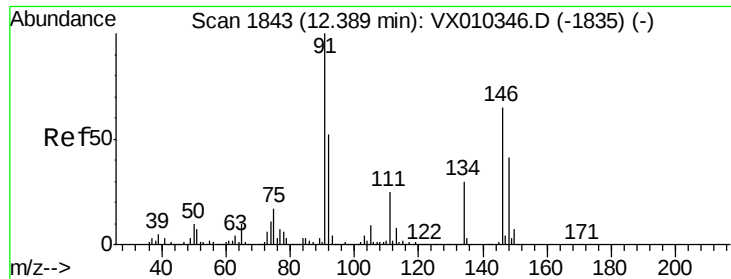
MMDadoda
7/11/2019 10:54:17 AM



#90
Hexachloroethane
Concen: 45.289 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.3	44.0	131.8





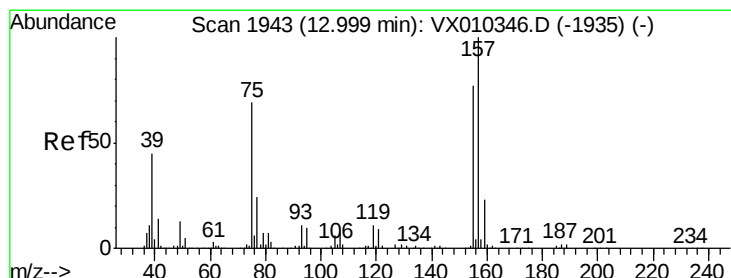
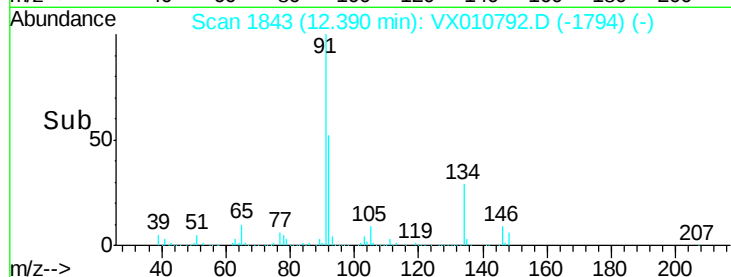
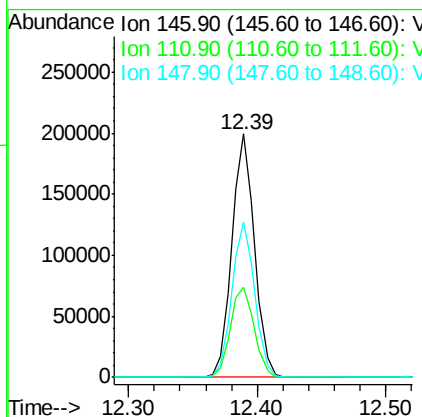
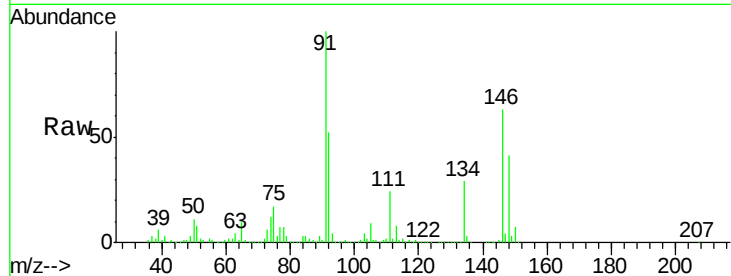
#91
 1,2-Dichlorobenzene
 Concen: 48.080 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010792.D
 Acq: 10 Jul 2019 21:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.2	57.6
148	64.4	32.0	96.0

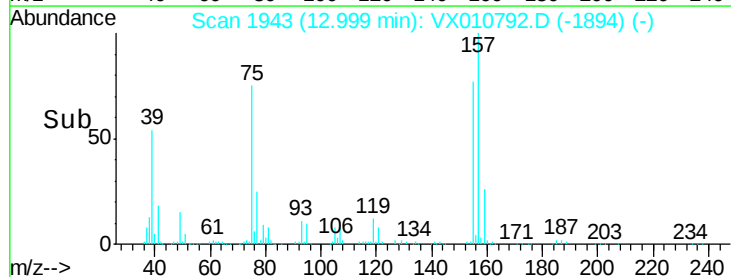
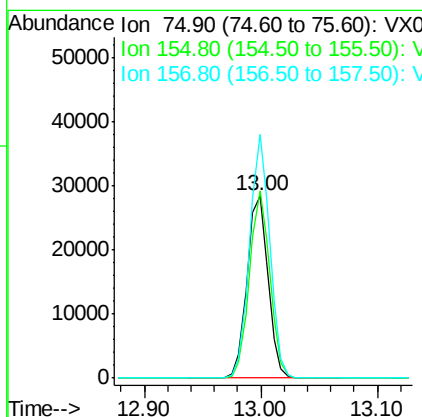
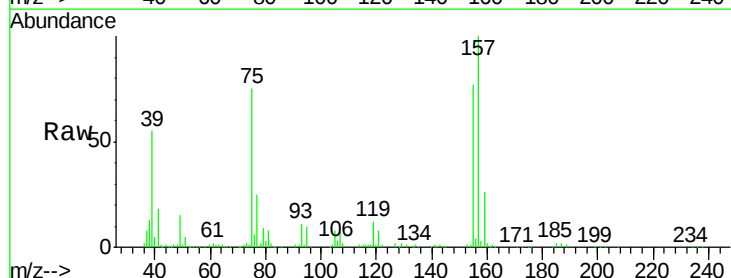
Manual Integrations
 APPROVED

MMDadoda
 7/11/2019 10:54:17 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.182 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010792.D
 Acq: 10 Jul 2019 21:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.5	54.4	163.1
157	127.9	69.5	208.3





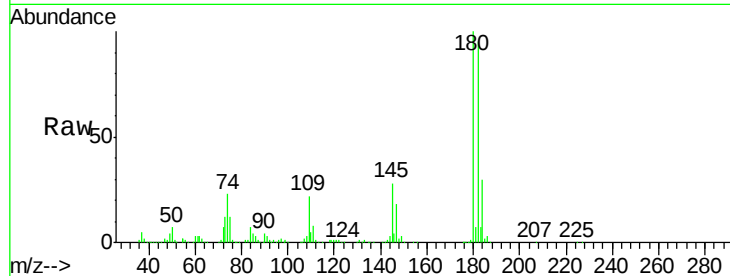
#93
 1,2,4-Trichlorobenzene
 Concen: 46.855 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010792.D
 Acq: 10 Jul 2019 21:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

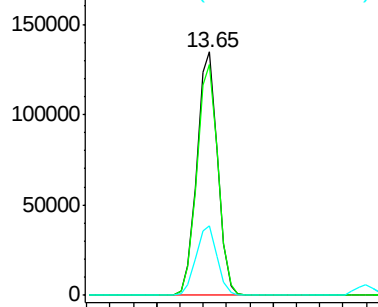
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	165550		
182	96.6	48.0	144.0	
145	29.1	14.4	43.4	

Manual Integrations
 APPROVED

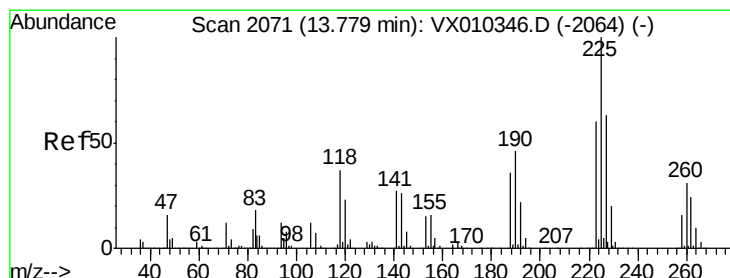
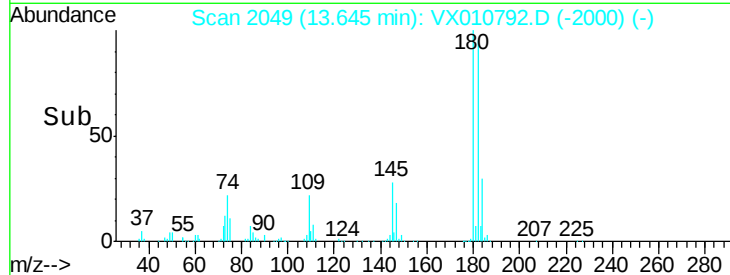
MMDadoda
 7/11/2019 10:54:17 AM



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

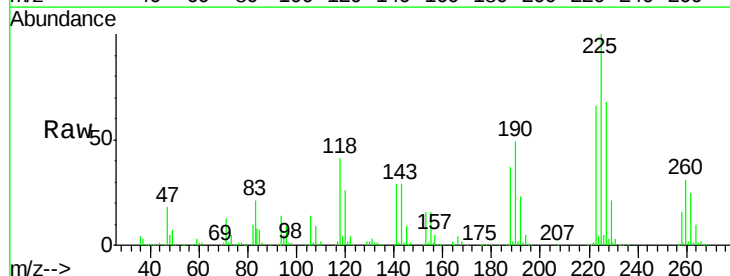


Time-->

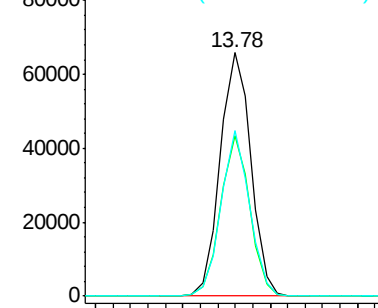


#94
 Hexachlorobutadiene
 Concen: 46.526 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010792.D
 Acq: 10 Jul 2019 21:03

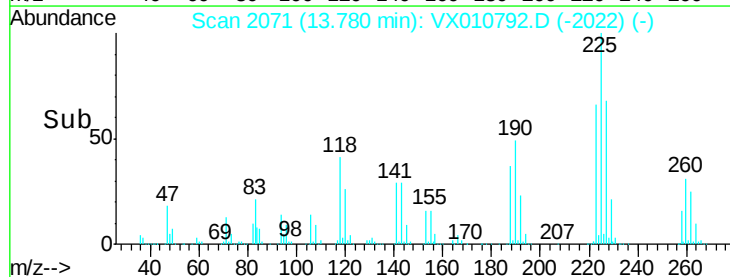
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	80343		
223	62.5	30.9	92.7	
227	63.2	31.9	95.5	

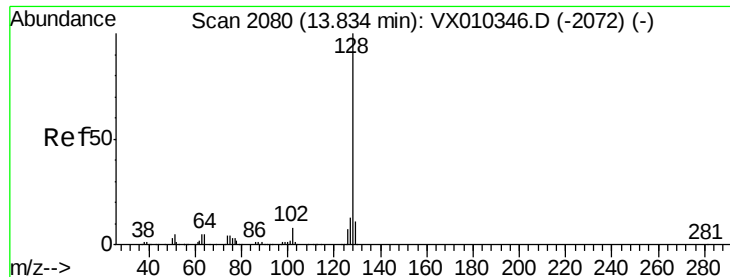


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





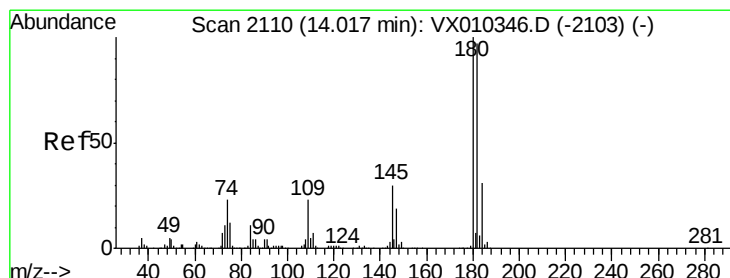
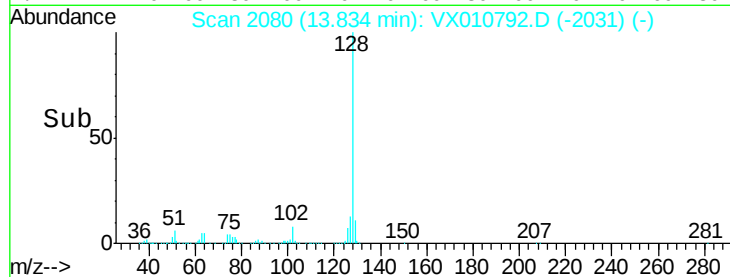
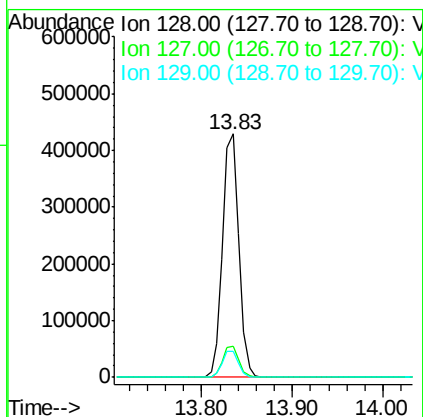
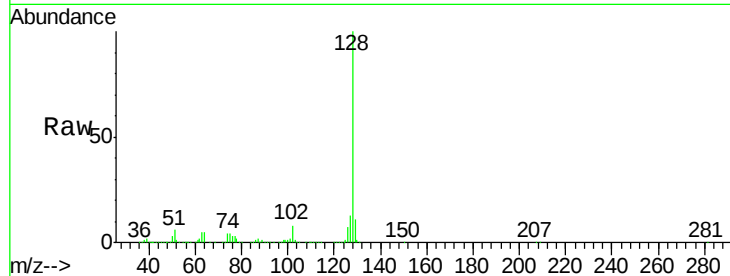
#95
Naphthalene
Concen: 49.360 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	535947		
127	12.9		10.2	15.4
129	11.0		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/11/2019 10:54:17 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.074 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010792.D
Acq: 10 Jul 2019 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	168882		
182	95.7		47.8	143.3
145	31.6		15.2	45.6

