

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121018\
 Data File : VX006360.D
 Acq On : 10 Dec 2018 10:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 10:54:39 AM

Quant Time: Dec 11 04:07:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	726364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1042173	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	949364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	501581	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	344790	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
35) Dibromofluoromethane	5.50	113	337953	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	8.71	98	1211291	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
62) 4-Bromofluorobenzene	11.13	95	464130	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	362126	50.917	ug/l	100
3) Chloromethane	1.33	50	327235	44.774	ug/l	96
4) Vinyl Chloride	1.41	62	360332	45.809	ug/l	99
5) Bromomethane	1.64	94	281113	51.567	ug/l	99
6) Chloroethane	1.71	64	227297	47.128	ug/l	99
7) Trichlorofluoromethane	1.93	101	562236	46.564	ug/l	98
8) Diethyl Ether	2.19	74	211637	46.312	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	339445	49.440	ug/l	99
10) Methyl Iodide	2.51	142	477441	46.143	ug/l	98
11) Tert butyl alcohol	3.07	59	413206	203.767	ug/l	99
12) 1,1-Dichloroethene	2.37	96	300954	45.789	ug/l	95
13) Acrolein	2.29	56	263842	238.051	ug/l	99
14) Allyl chloride	2.73	41	557173	42.914	ug/l	98
15) Acrylonitrile	3.15	53	918381	217.029	ug/l	99
16) Acetone	2.45	43	824785	237.020	ug/l	98
17) Carbon Disulfide	2.57	76	831379	41.050	ug/l	100
18) Methyl Acetate	2.78	43	530060	45.549	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	1088480	46.423	ug/l	97
20) Methylene Chloride	2.86	84	332954	44.958	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	317804	45.373	ug/l	92
22) Diisopropyl ether	3.87	45	1036698	51.120	ug/l	94
23) Vinyl Acetate	3.82	43	4396809	254.197	ug/l	99
24) 1,1-Dichloroethane	3.70	63	587382	50.674	ug/l	98
25) 2-Butanone	4.70	43	1154552	232.529	ug/l	99
26) 2,2-Dichloropropane	4.59	77	531670	49.700	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	384885	49.264	ug/l	98
28) Bromochloromethane	5.02	49	247168	48.818	ug/l	98
29) Tetrahydrofuran	5.15	42	741801	214.964	ug/l	97
30) Chloroform	5.21	83	592790	48.665	ug/l	98
31) Cyclohexane	5.57	56	488628	45.614	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	553340	47.743	ug/l	99
36) 1,1-Dichloropropene	5.80	75	429068	48.890	ug/l	99
37) Ethyl Acetate	4.85	43	442260	44.999	ug/l	98
38) Carbon Tetrachloride	5.78	117	514134	49.798	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121018\
 Data File : VX006360.D
 Acq On : 10 Dec 2018 10:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 10:54:39 AM

Quant Time: Dec 11 04:07:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	569273	49.972	ug/l	98
40) Benzene	6.14	78	1308759	49.790	ug/l	99
41) Methacrylonitrile	5.06	41	245657	45.425	ug/l	98
42) 1,2-Dichloroethane	6.20	62	429448	49.920	ug/l	99
43) Isopropyl Acetate	6.46	43	749555	45.743	ug/l	98
44) Trichloroethene	7.21	130	402263	50.517	ug/l	100
45) 1,2-Dichloropropane	7.51	63	332364	49.751	ug/l	99
46) Dibromomethane	7.66	93	238832	49.501	ug/l	99
47) Bromodichloromethane	7.90	83	471541	50.468	ug/l	100
48) Methyl methacrylate	7.77	41	367103	46.050	ug/l	97
49) 1,4-Dioxane	7.75	88	176714	899.416	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2206941	231.354	ug/l	99
52) Toluene	8.78	92	868659	50.232	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	536212	49.072	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	556741	49.067	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	365345	52.003	ug/l	99
56) Ethyl methacrylate	9.18	69	539918	49.159	ug/l	97
57) 1,3-Dichloropropane	9.37	76	559643	50.376	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1535544	275.516	ug/l	99
59) 2-Hexanone	9.49	43	1760479	241.559	ug/l	99
60) Dibromochloromethane	9.58	129	440295	50.825	ug/l	100
61) 1,2-Dibromoethane	9.67	107	395935	50.402	ug/l	98
64) Tetrachloroethene	9.34	164	364682	51.008	ug/l	98
65) Chlorobenzene	10.14	112	1035490	51.382	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	402193	51.365	ug/l	99
67) Ethyl Benzene	10.25	91	1686294	50.310	ug/l	100
68) m/p-Xylenes	10.36	106	1354244	100.864	ug/l	99
69) o-Xylene	10.70	106	666597	50.263	ug/l	100
70) Styrene	10.71	104	1090234	50.828	ug/l	99
71) Bromoform	10.86	173	363675	49.202	ug/l	100
73) Isopropylbenzene	11.02	105	1775688	51.263	ug/l	100
74) N-amyl acetate	10.90	43	674291	45.206	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	524580	47.338	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	508969m	52.572	ug/l	
77) Bromobenzene	11.26	156	488263	50.793	ug/l	99
78) n-propylbenzene	11.36	91	1986793	51.599	ug/l	100
79) 2-Chlorotoluene	11.42	91	1153788	50.416	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	1479664	51.341	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	189538	45.943	ug/l	97
82) 4-Chlorotoluene	11.51	91	1338667	50.311	ug/l	99
83) tert-Butylbenzene	11.77	119	1587099	51.613	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1515898	50.938	ug/l	100
85) sec-Butylbenzene	11.94	105	1819737	52.018	ug/l	99
86) p-Isopropyltoluene	12.07	119	1666847	52.915	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	881198	51.518	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	877980	50.572	ug/l	99
89) n-Butylbenzene	12.39	91	1422358	52.920	ug/l	100
90) Hexachloroethane	12.60	117	320873	49.979	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	854732	50.350	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	121876	42.904	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121018\
Data File : VX006360.D
Acq On : 10 Dec 2018 10:37
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

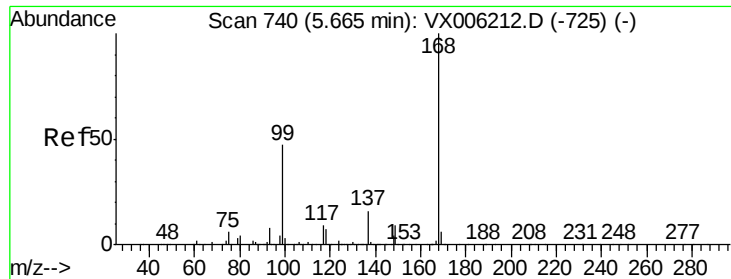
Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:39 AM

Quant Time: Dec 11 04:07:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	653335	52.753	ug/l	99
94) Hexachlorobutadiene	13.78	225	316798	57.841	ug/l	99
95) Naphthalene	13.83	128	1915481	49.721	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	639064	52.097	ug/l	99

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



#1

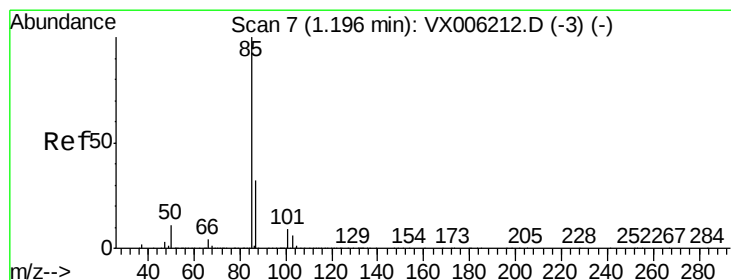
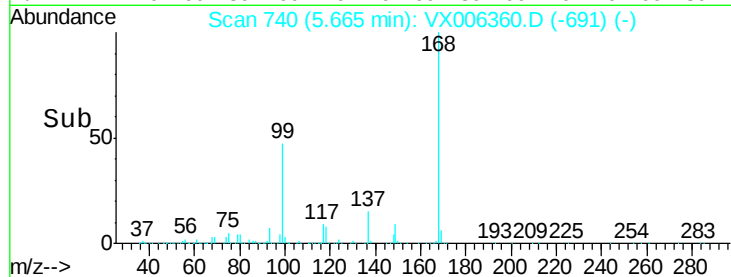
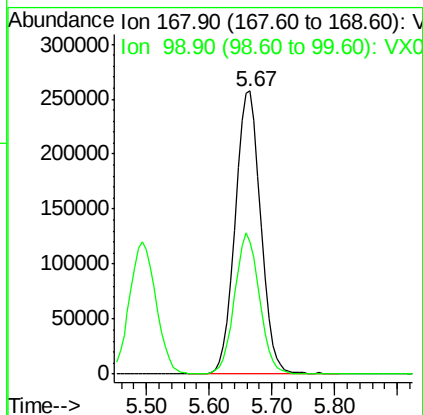
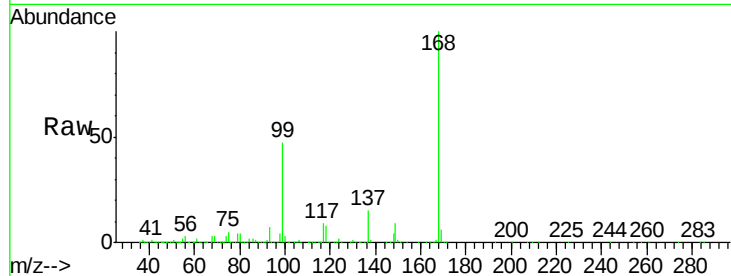
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.00 min
 Lab File: VX006360.D
 Acq: 10 Dec 2018 10:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	46.5	37.8	56.8

Manual Integrations
 APPROVED

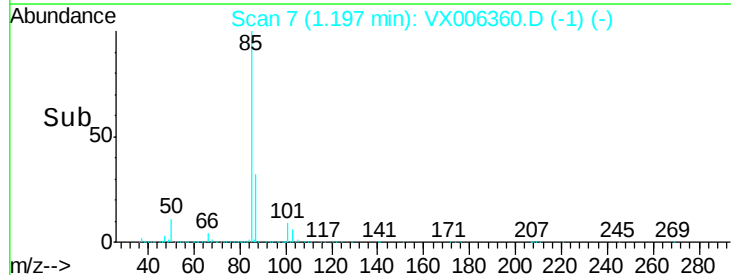
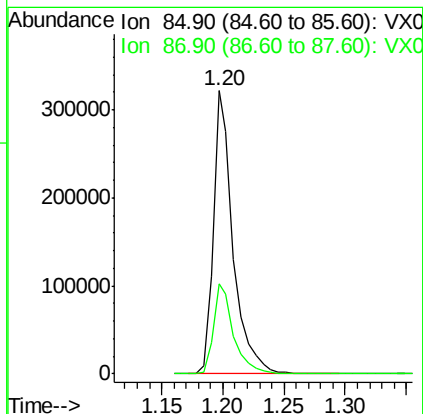
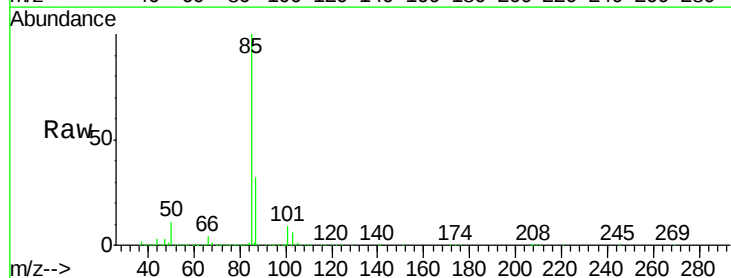
MMDadoda
 12/11/2018 10:54:39 AM



#2

Dichlorodifluoromethane
 Concen: 50.917 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. 0.00 min
 Lab File: VX006360.D
 Acq: 10 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.1	48.2





#3

Chloromethane

Concen: 44.774 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 327235

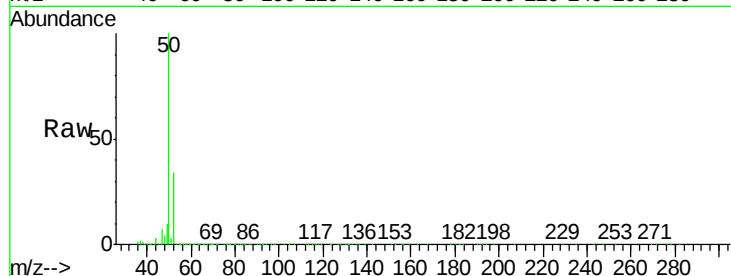
Ion Ratio Lower Upper

50 100

52 33.6 25.2 37.8

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:39 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

300000

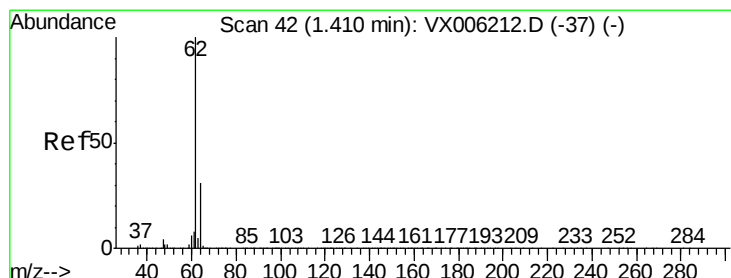
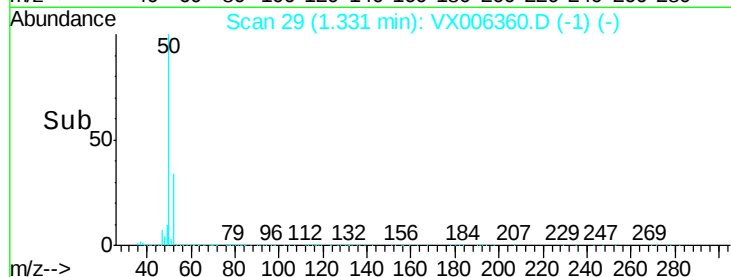
200000

100000

0

Time-->

1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 45.809 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006360.D

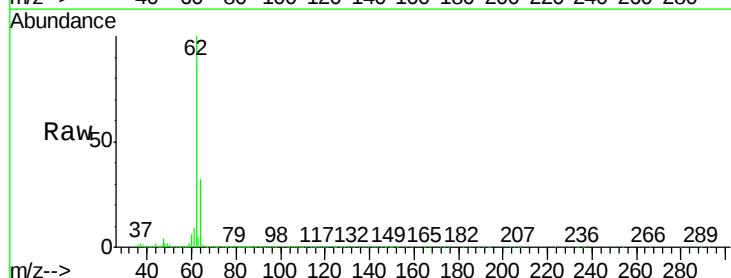
Acq: 10 Dec 2018 10:37

Tgt Ion: 62 Resp: 360332

Ion Ratio Lower Upper

62 100

64 31.7 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

400000

300000

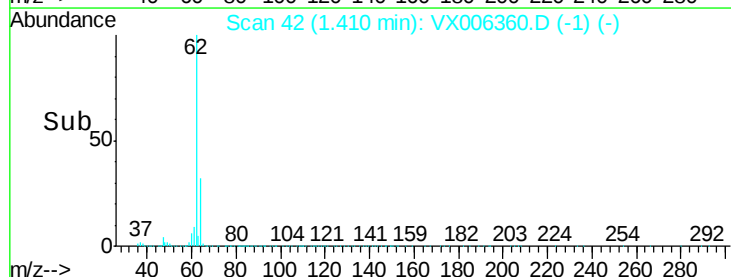
200000

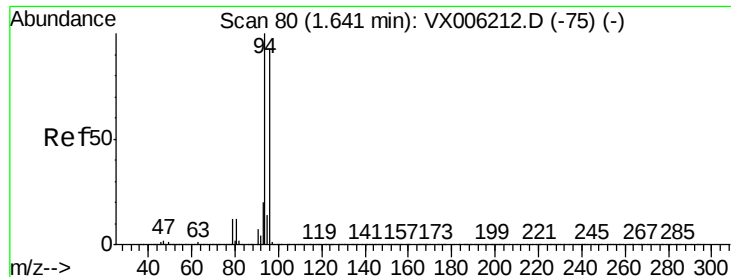
100000

0

Time-->

1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 51.567 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 281113

Ion Ratio Lower Upper

94 100

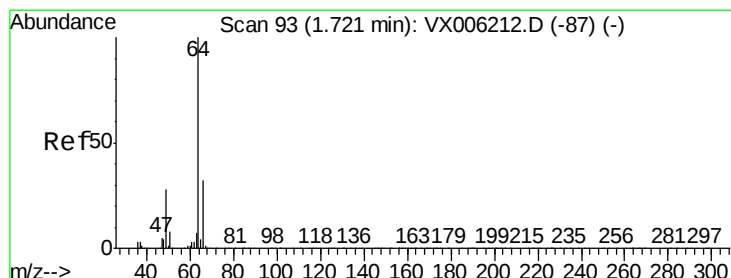
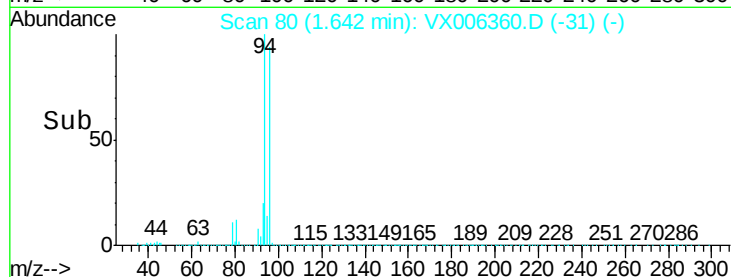
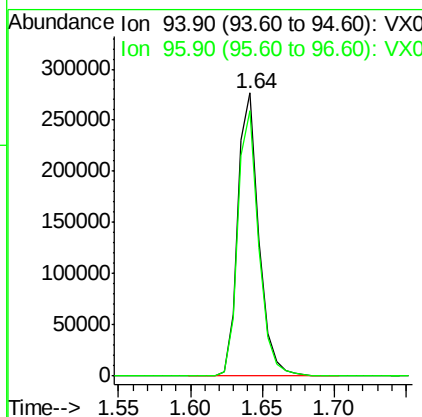
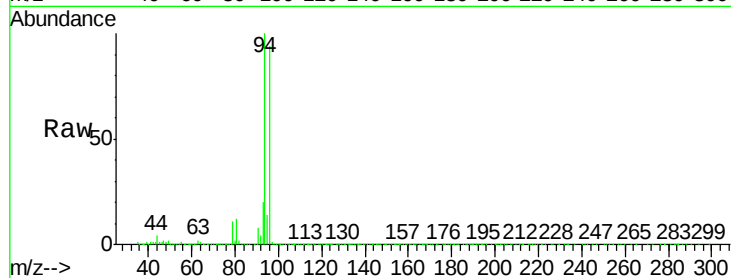
96 93.9 74.5 111.7

Manual Integrations

APPROVED

MMDadoda

12/11/2018 10:54:39 AM



#6

Chloroethane

Concen: 47.128 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX006360.D

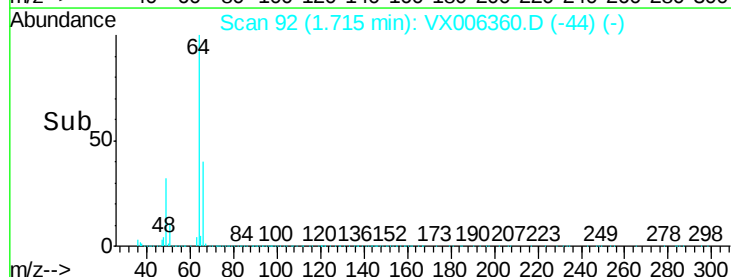
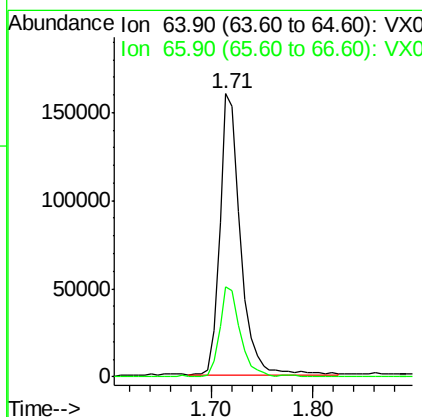
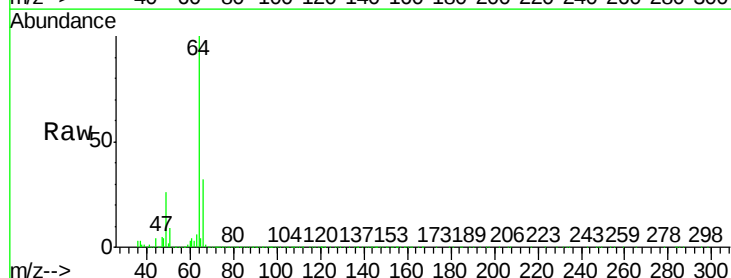
Acq: 10 Dec 2018 10:37

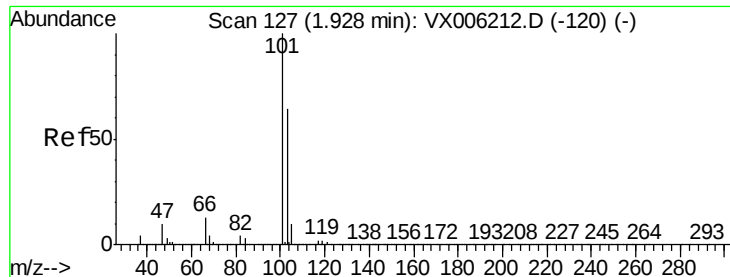
Tgt Ion: 64 Resp: 227297

Ion Ratio Lower Upper

64 100

66 31.9 25.9 38.9





#7

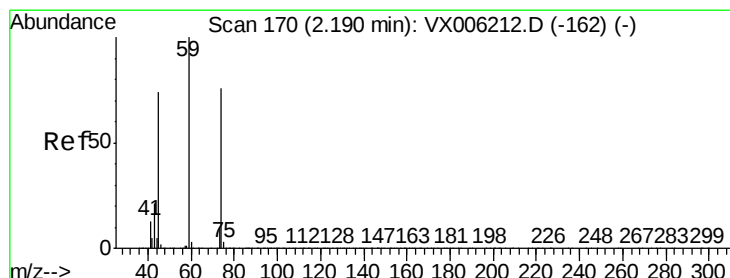
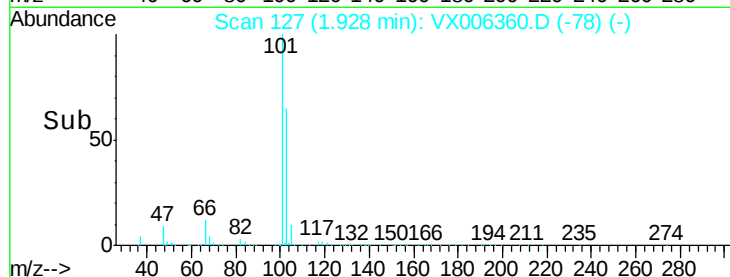
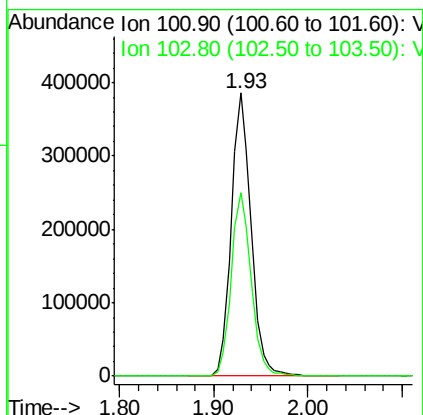
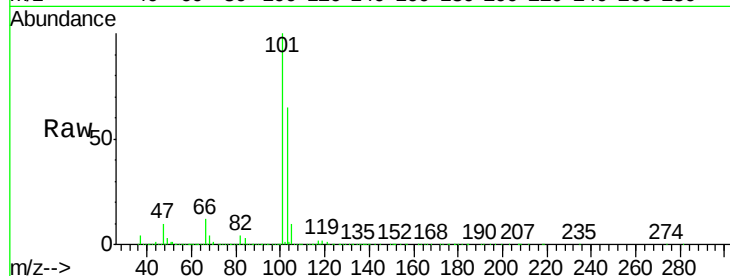
Trichlorofluoromethane
Concen: 46.564 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.0	76.4

Manual Integrations
APPROVED

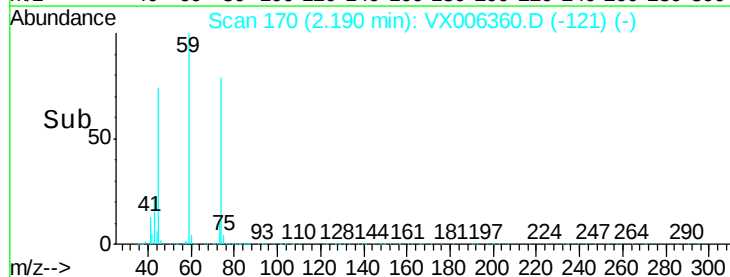
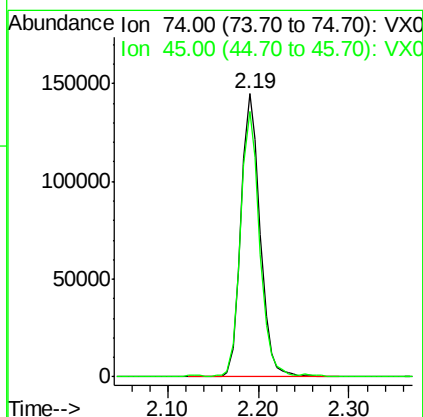
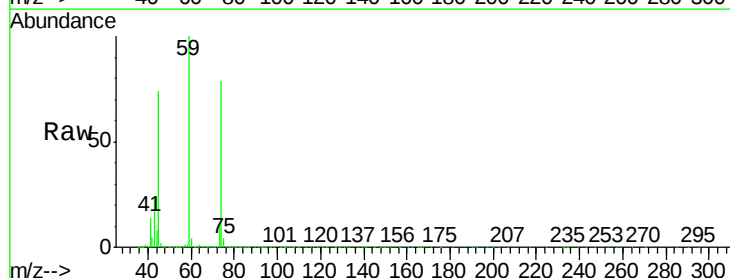
MMDadoda
12/11/2018 10:54:39 AM

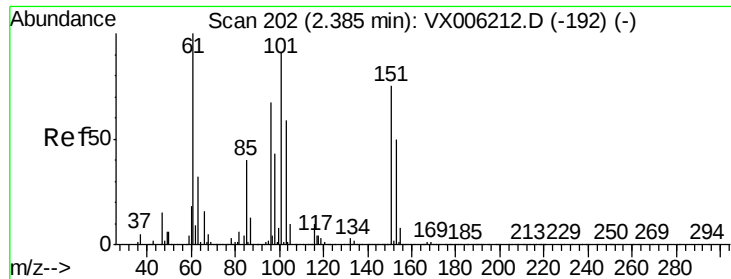


#8

Diethyl Ether
Concen: 46.312 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.3	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.440 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Instrument :

MSVOA_X

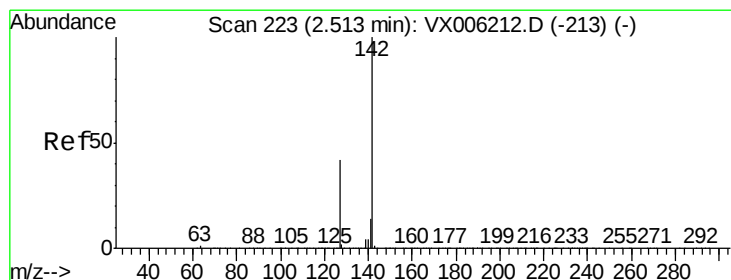
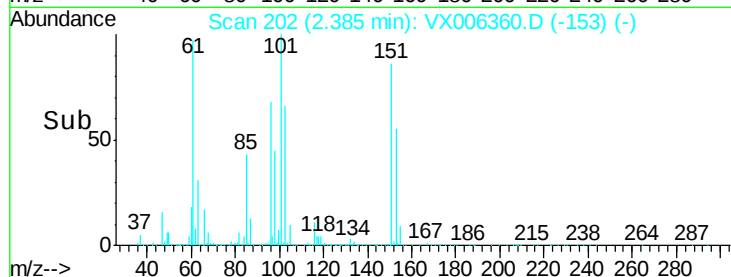
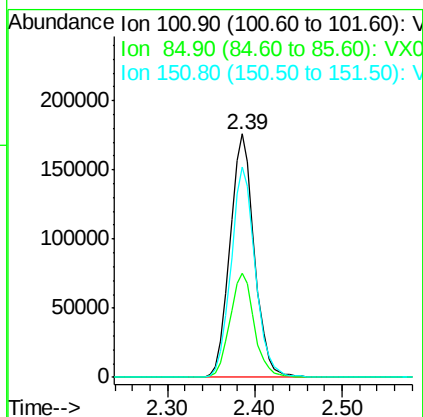
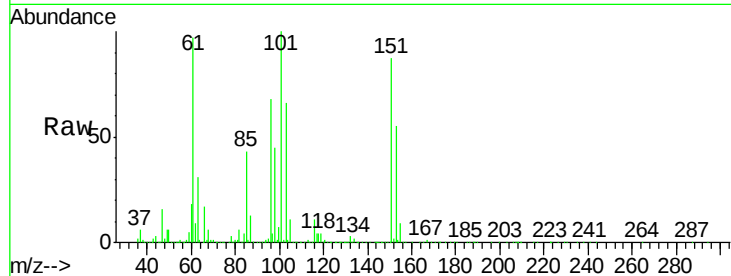
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	339445
Ion Ratio	Lower	Upper	
101	100		
85	42.8	35.5	53.3
151	86.7	68.6	103.0

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:39 AM



#10

Methyl Iodide

Concen: 46.143 ug/l

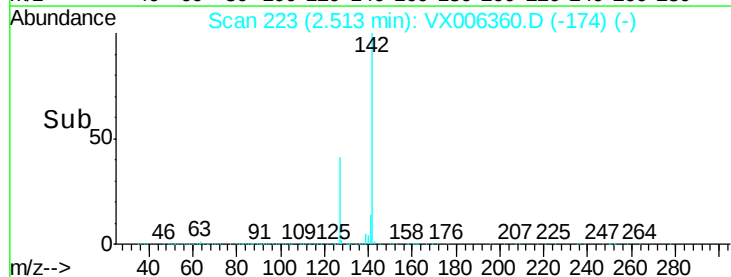
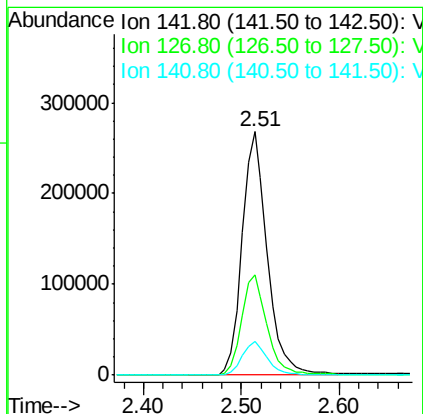
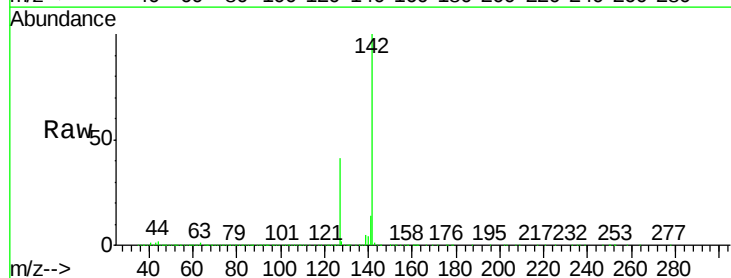
RT: 2.51 min Scan# 223

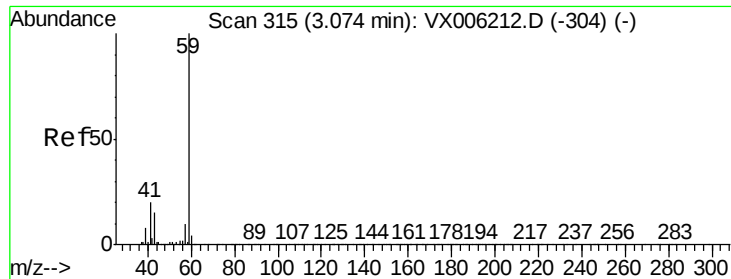
Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Tgt Ion:	142	Resp:	477441
Ion Ratio	Lower	Upper	
142	100		
127	41.9	34.8	52.2
141	14.0	11.4	17.2





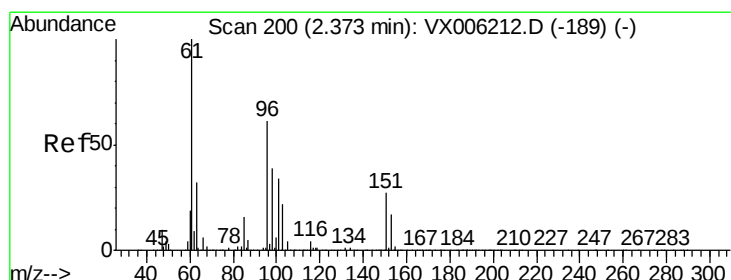
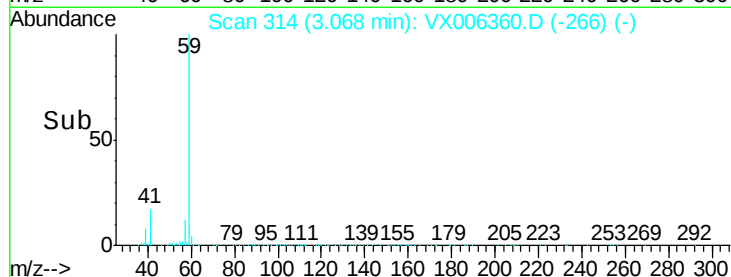
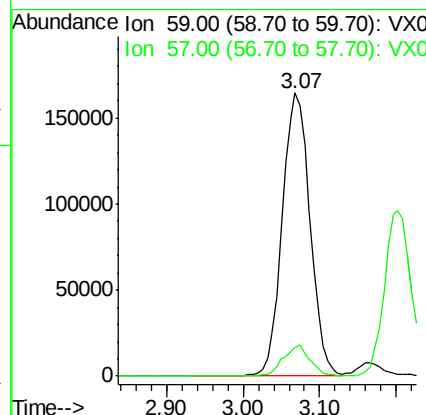
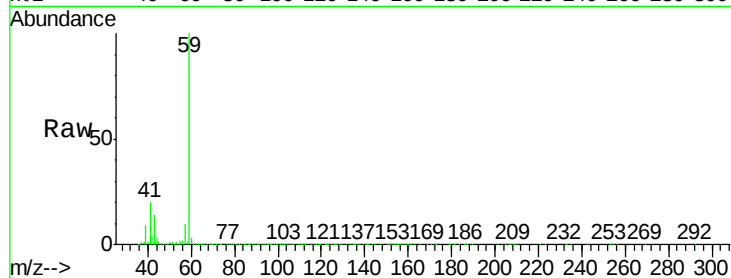
#11
Tert butyl alcohol
Concen: 203.767 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

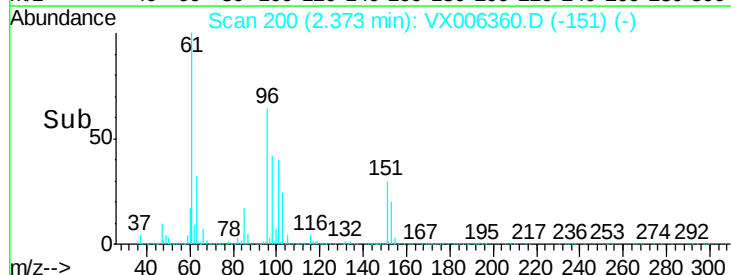
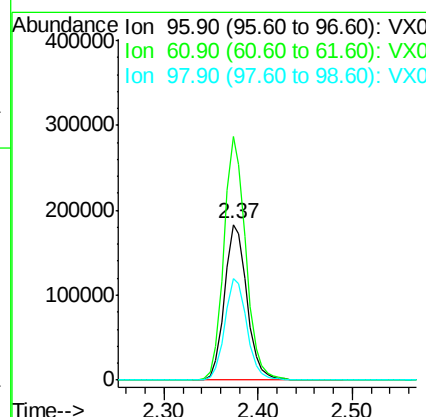
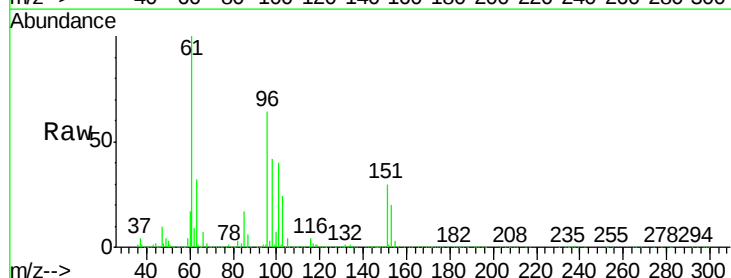
Manual Integrations
APPROVED

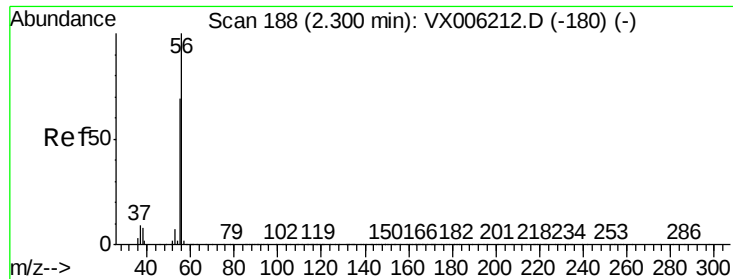
MMDadoda
12/11/2018 10:54:39 AM



#12
1,1-Dichloroethene
Concen: 45.789 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.6	131.7	197.5
98	65.5	51.8	77.6





#13

Acrolein

Concen: 238.051 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 263842

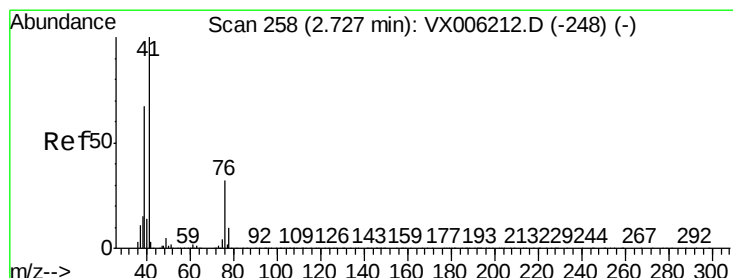
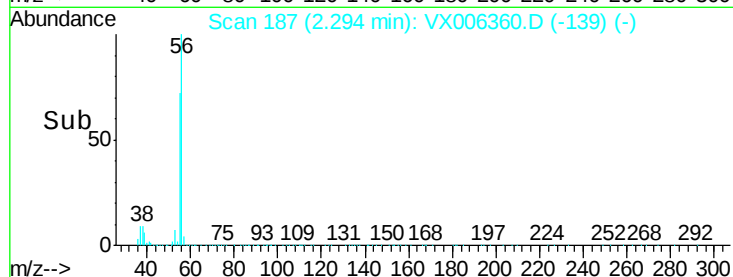
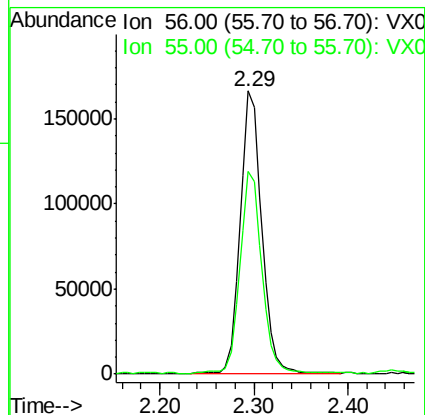
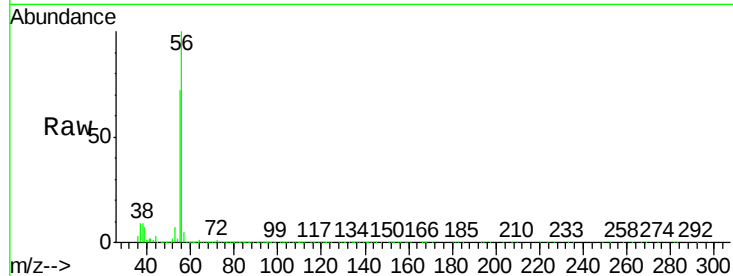
Ion Ratio Lower Upper

56 100

55 72.6 57.8 86.6

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:39 AM



#14

Allyl chloride

Concen: 42.914 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

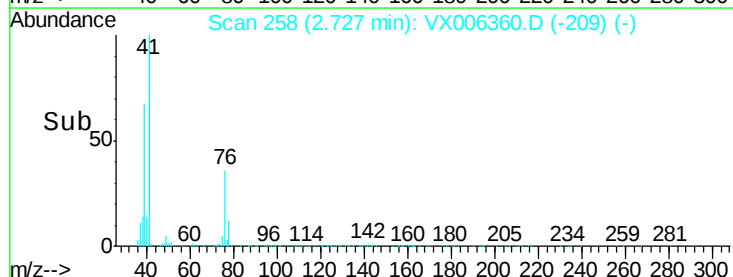
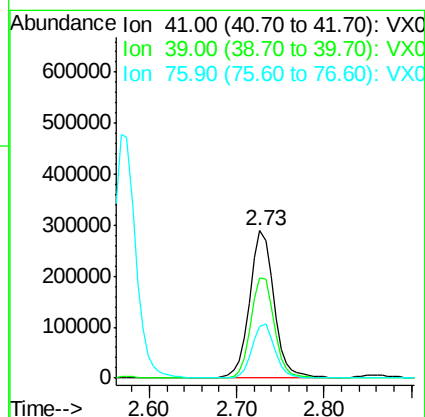
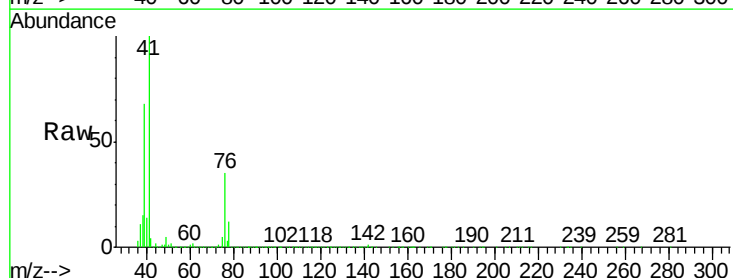
Tgt Ion: 41 Resp: 557173

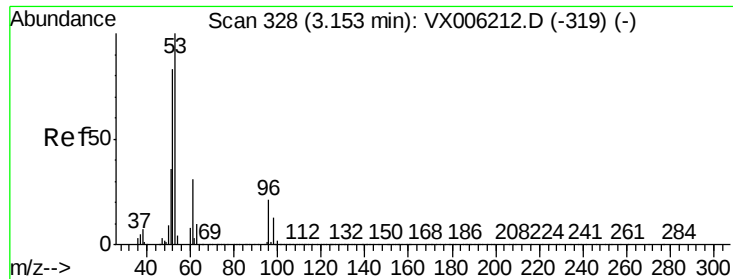
Ion Ratio Lower Upper

41 100

39 65.5 52.4 78.6

76 34.3 25.4 38.0





#15

Acrylonitrile

Concen: 217.029 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Instrument :

MSVOA_X

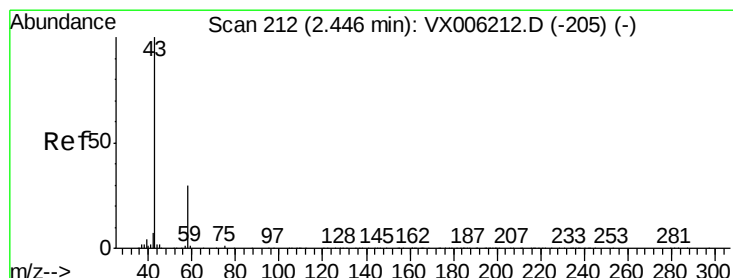
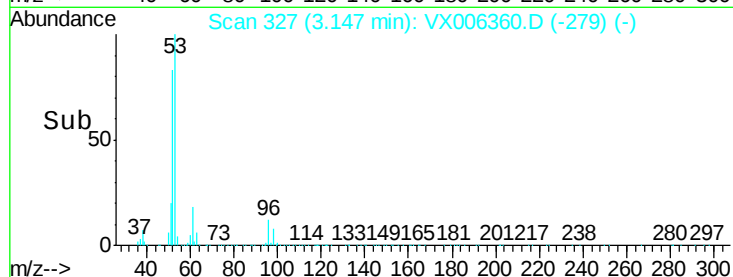
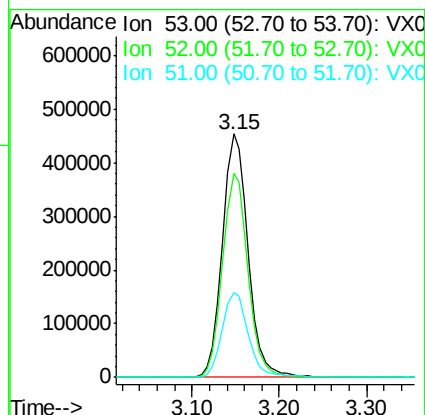
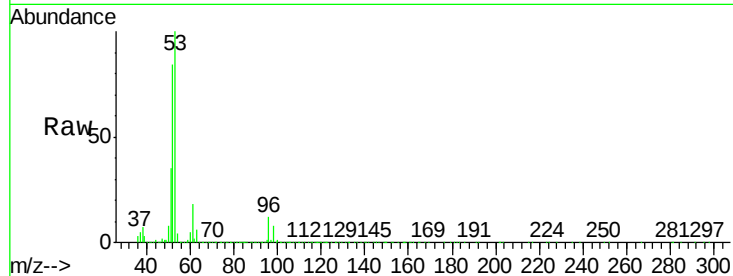
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	918381
Ion Ratio		Lower	Upper
53	100		
52	83.3	66.2	99.4
51	35.4	28.7	43.1

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:39 AM



#16

Acetone

Concen: 237.020 ug/l

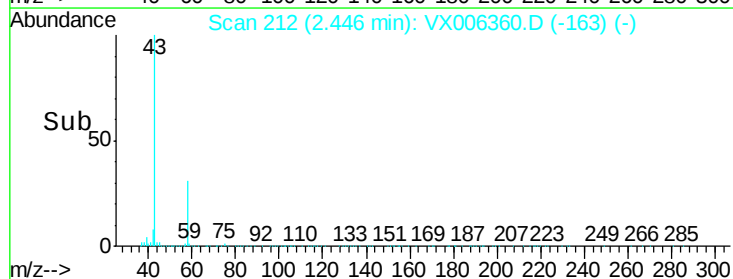
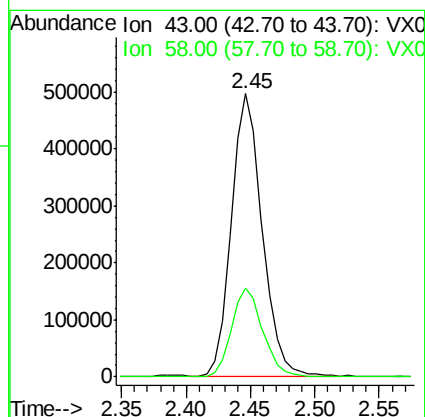
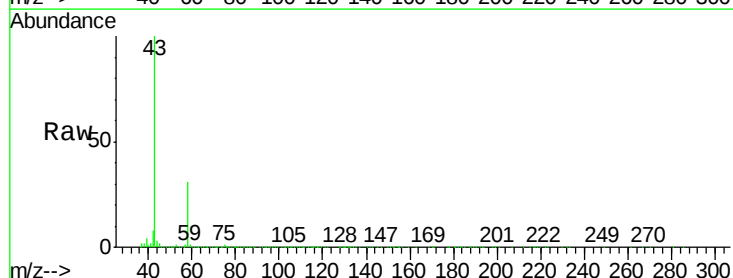
RT: 2.45 min Scan# 212

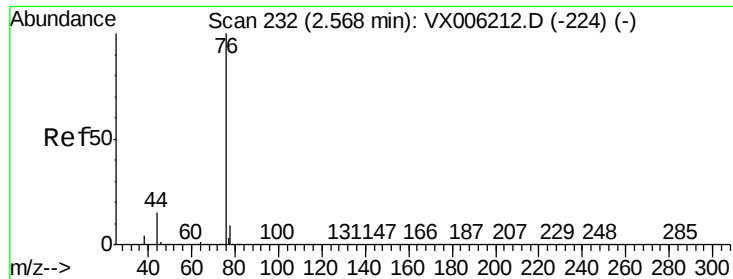
Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Tgt Ion:	43	Resp:	824785
Ion Ratio		Lower	Upper
43	100		
58	31.2	24.0	36.0





#17

Carbon Disulfide

Concen: 41.050 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 831379

Ion Ratio Lower Upper

76 100

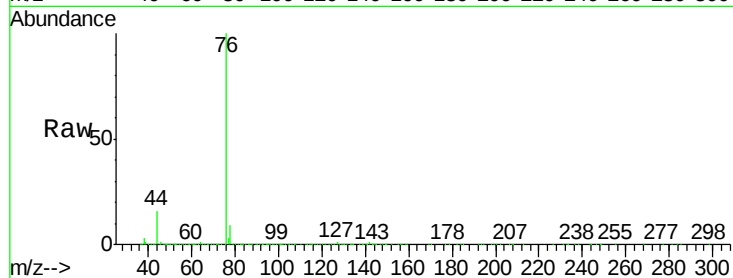
78 8.9 7.1 10.7

Manual Integrations

APPROVED

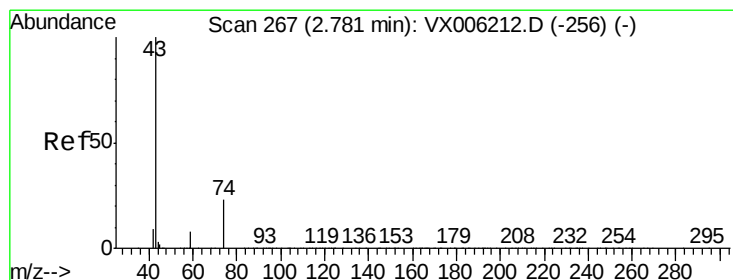
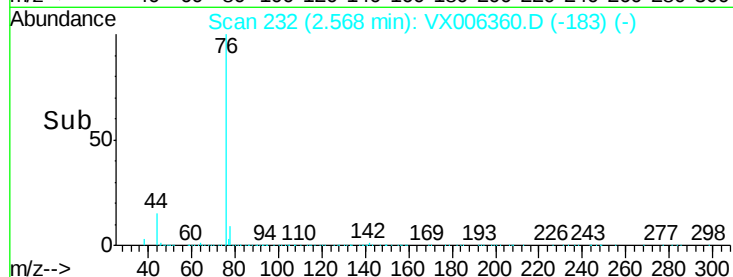
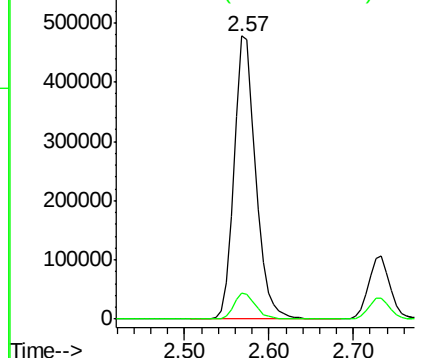
MMDadoda

12/11/2018 10:54:39 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 45.549 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX006360.D

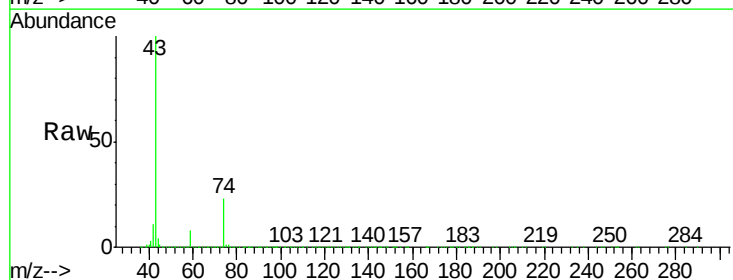
Acq: 10 Dec 2018 10:37

Tgt Ion: 43 Resp: 530060

Ion Ratio Lower Upper

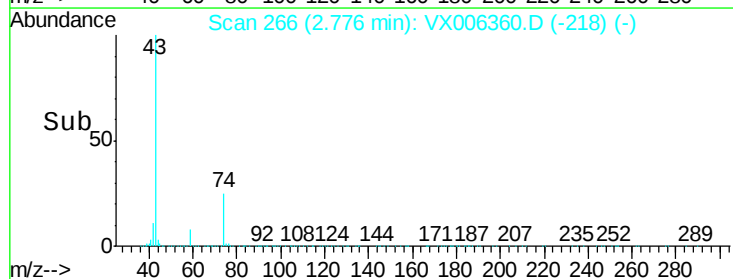
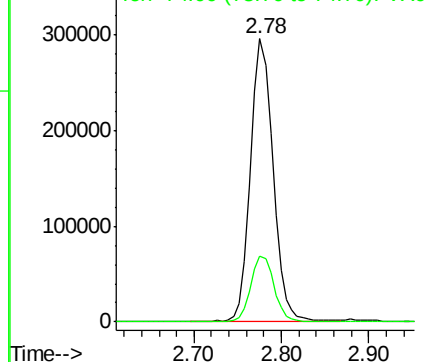
43 100

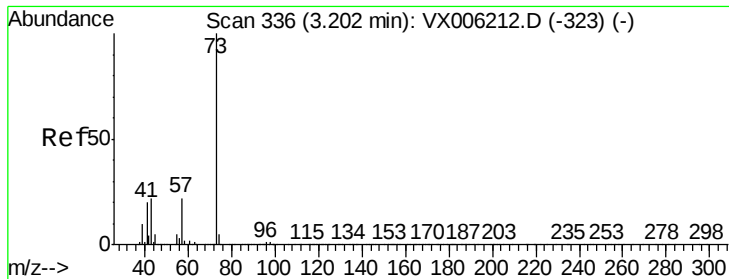
74 24.0 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





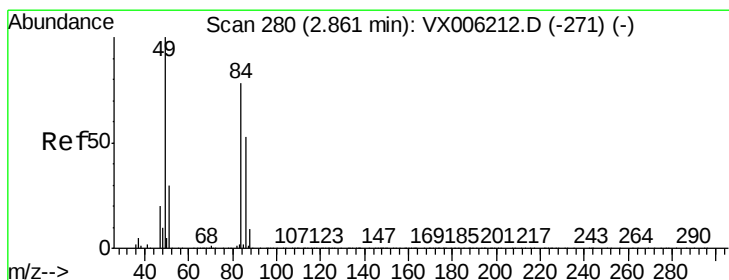
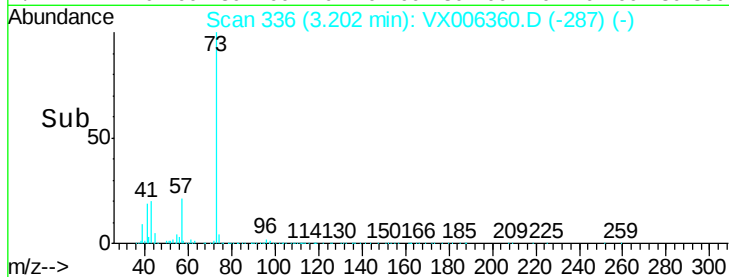
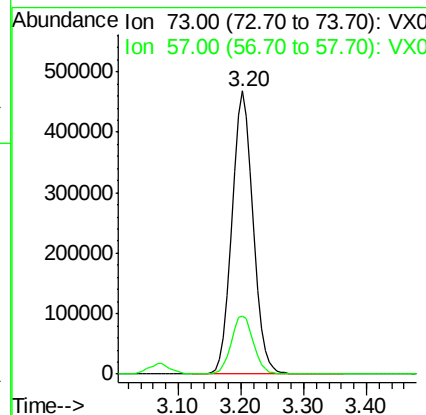
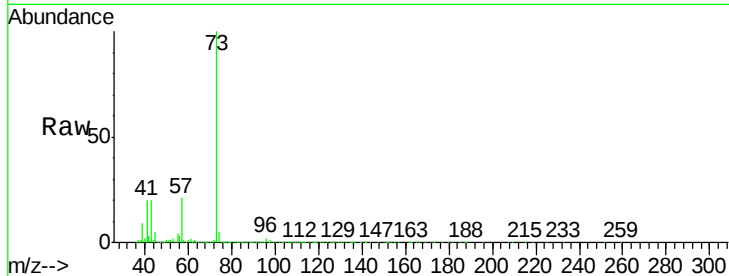
#19
Methvl tert-butvl Ether
Concen: 46.423 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1088480
Ion Ratio Lower Upper
73 100
57 20.5 17.5 26.3

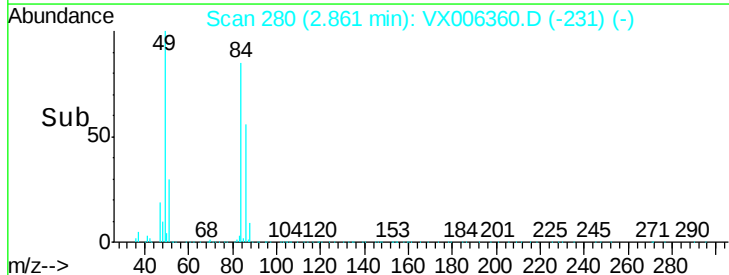
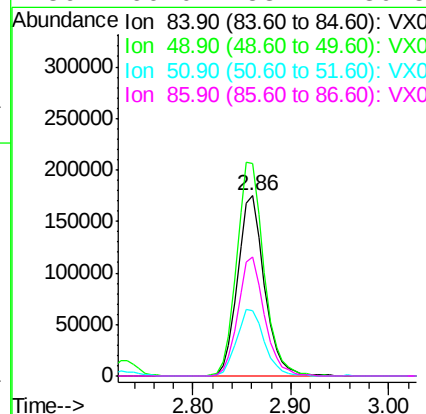
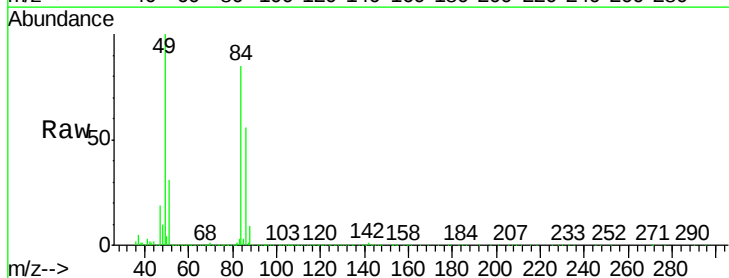
Manual Integrations
APPROVED

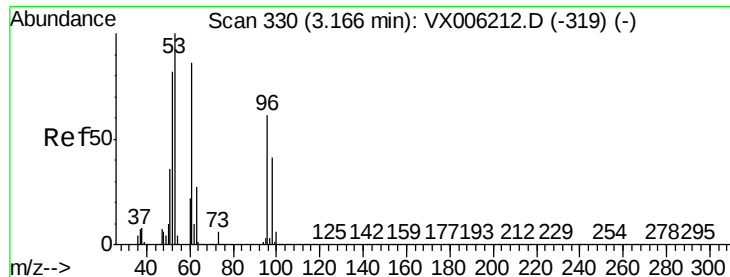
MMDadoda
12/11/2018 10:54:39 AM



#20
Methylene Chloride
Concen: 44.958 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Tgt Ion: 84 Resp: 332954
Ion Ratio Lower Upper
84 100
49 117.9 102.2 153.4
51 36.0 31.1 46.7
86 66.0 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 45.373 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Instrument :

MSVOA_X

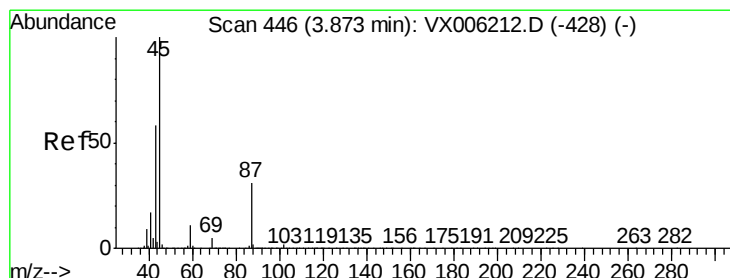
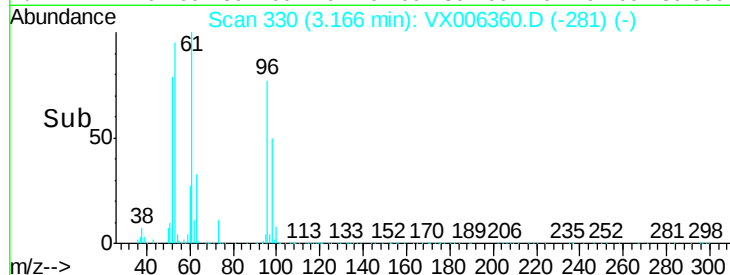
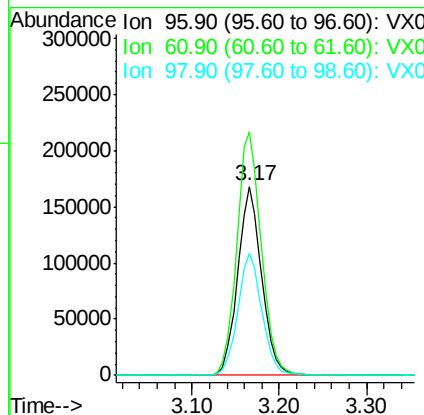
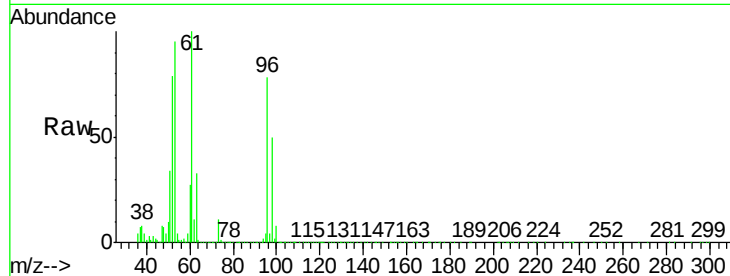
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	317804
Ion	Ratio	Lower	Upper
96	100		
61	129.0	113.3	169.9
98	64.4	53.2	79.8

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:39 AM



#22

Diisopropyl ether

Concen: 51.120 ug/l

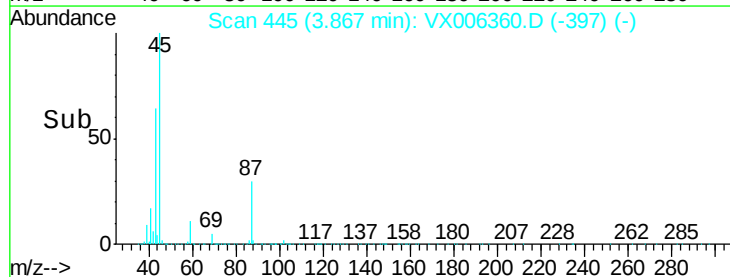
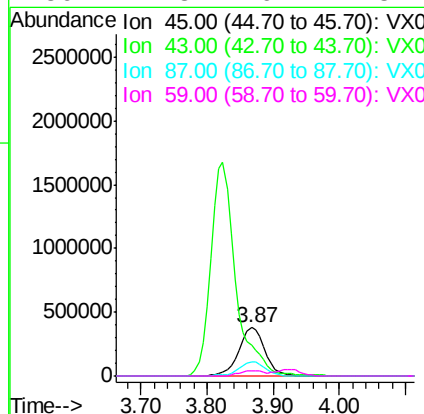
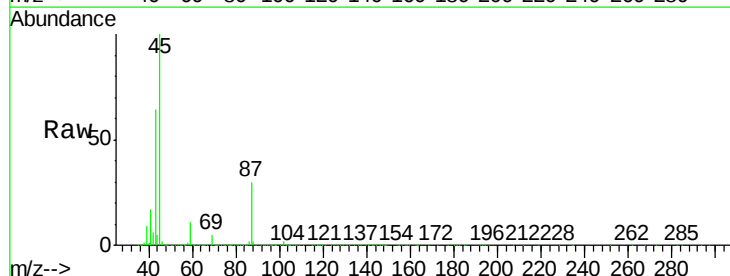
RT: 3.87 min Scan# 445

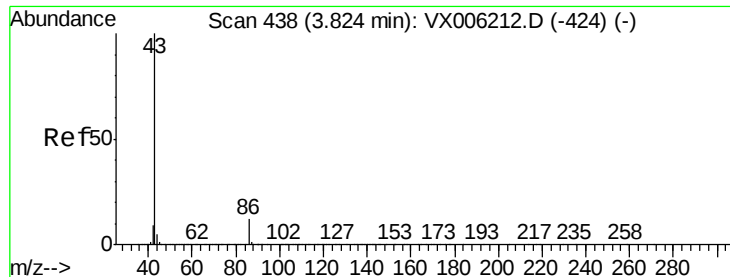
Delta R.T. -0.01 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Tgt Ion:	45	Resp:	1036698
Ion	Ratio	Lower	Upper
45	100		
43	63.8	46.2	69.2
87	29.5	24.9	37.3
59	11.3	9.1	13.7





#23

Vinyl Acetate

Concen: 254.197 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 4396809

Ion Ratio Lower Upper

43 100

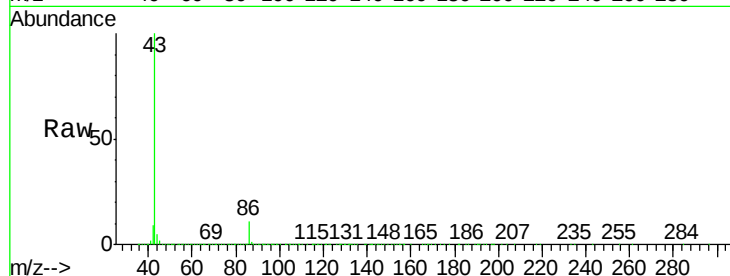
86 11.3 9.4 14.0

Manual Integrations

APPROVED

MMDadoda

12/11/2018 10:54:39 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

2000000

1500000

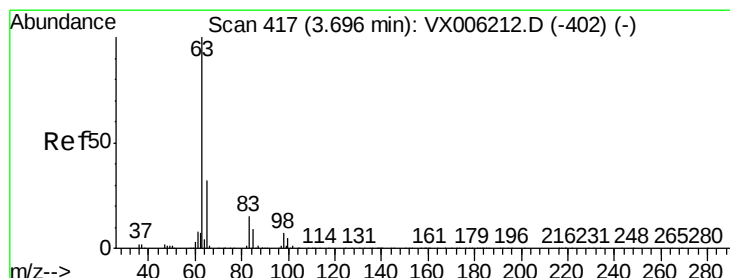
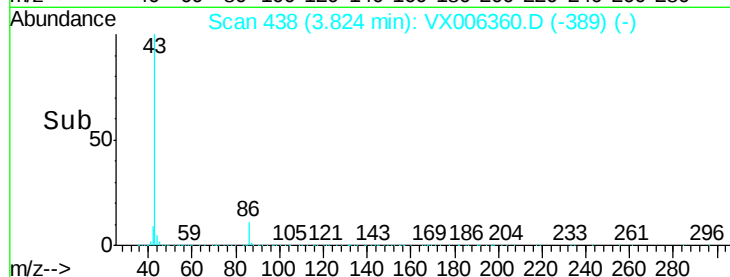
1000000

500000

0

3.80 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 50.674 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

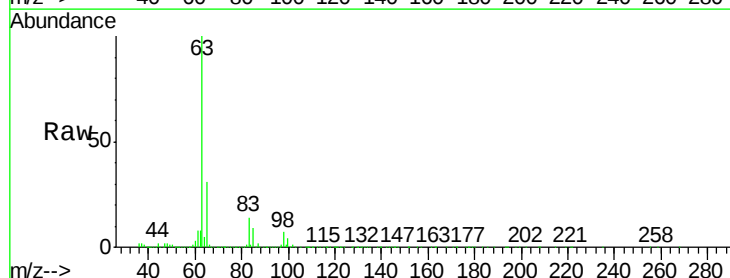
Tgt Ion: 63 Resp: 587382

Ion Ratio Lower Upper

63 100

98 6.9 3.8 11.4

100 4.2 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

300000

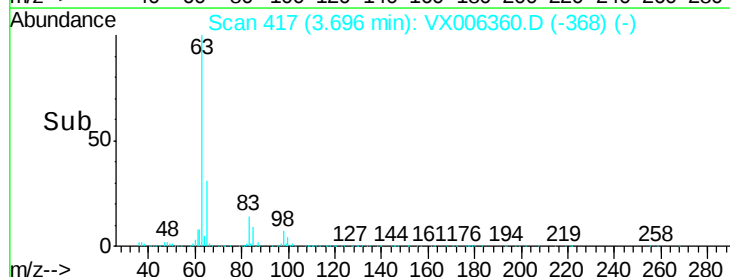
200000

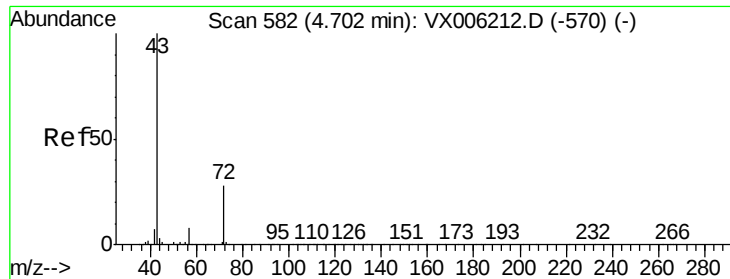
100000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 232.529 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Tot Ion: 43 Resp: 1154552

Ion Ratio Lower Upper

43 100

72 28.6 22.6 33.8

Instrument :

MSVOA_X

ClientSampleId :

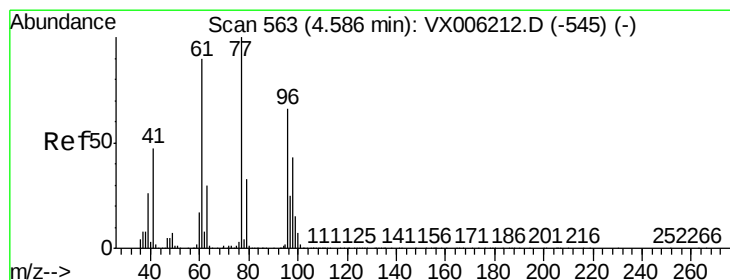
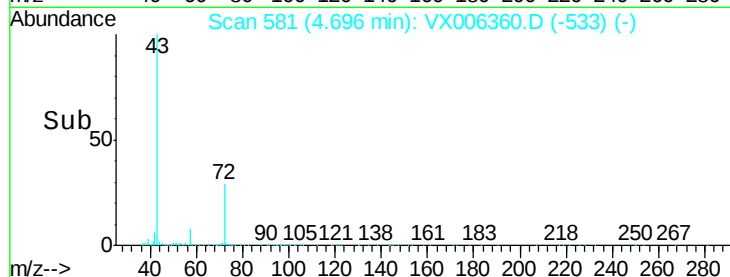
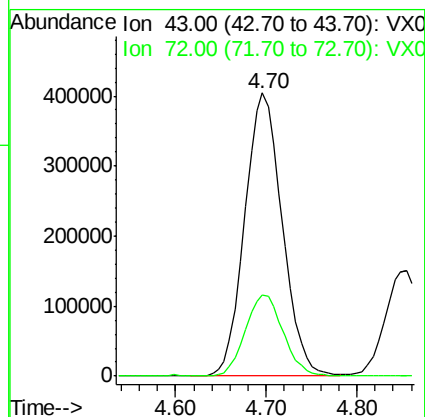
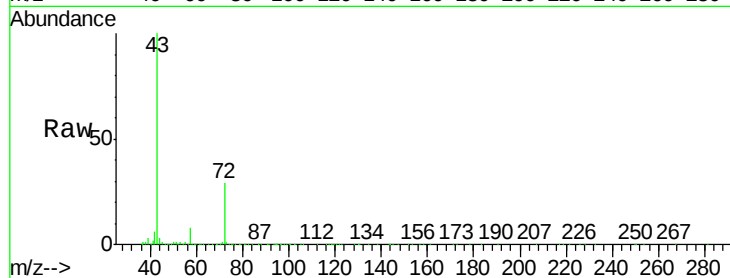
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

12/11/2018 10:54:39 AM



#26

2,2-Dichloropropane

Concen: 49.700 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX006360.D

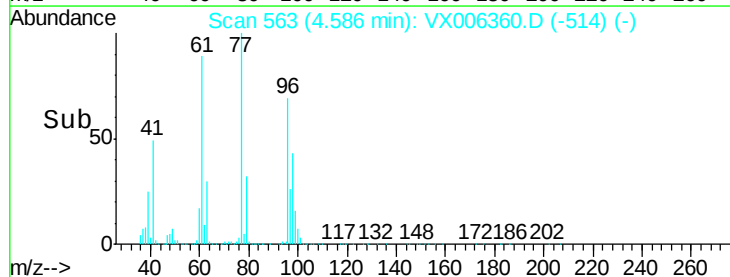
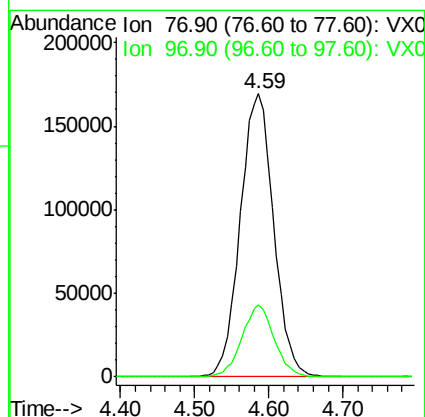
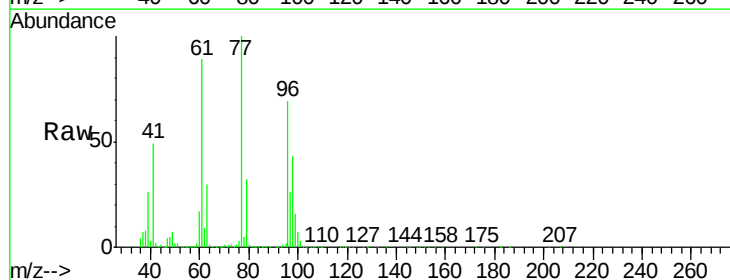
Acq: 10 Dec 2018 10:37

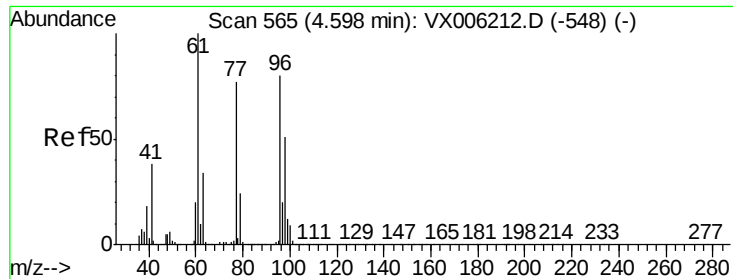
Tgt Ion: 77 Resp: 531670

Ion Ratio Lower Upper

77 100

97 24.7 12.3 36.8





#27

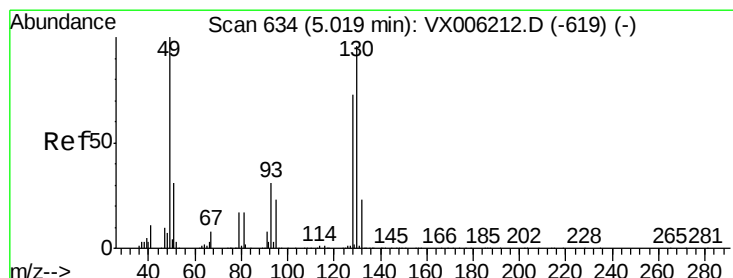
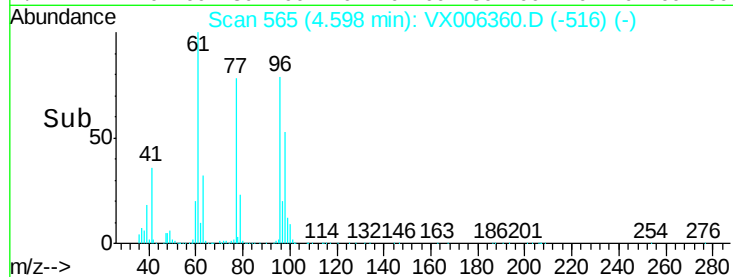
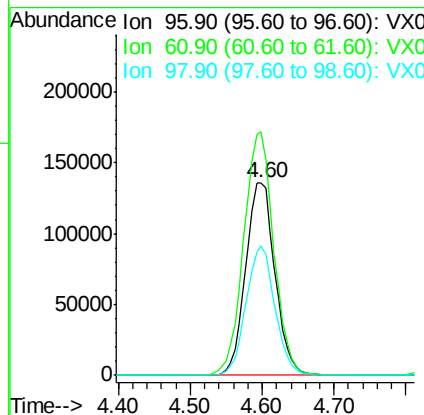
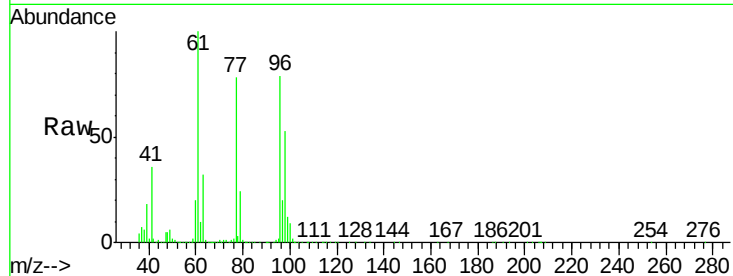
cis-1,2-Dichloroethene
 Concen: 49.264 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX006360.D
 Acq: 10 Dec 2018 10:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	128.9	0.0	265.0	
98	65.8	0.0	130.2	

Manual Integrations
 APPROVED

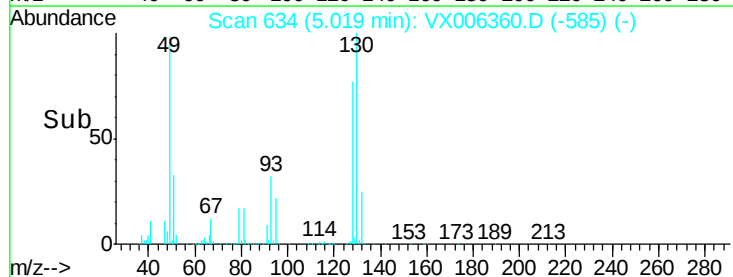
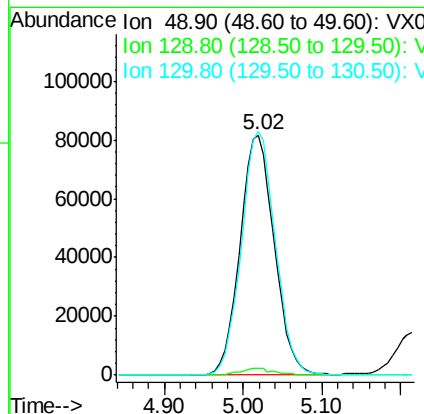
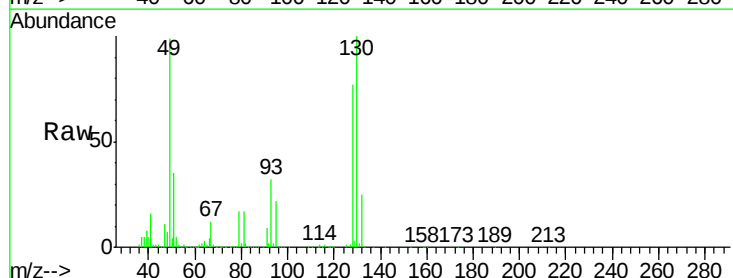
MMDadoda
 12/11/2018 10:54:39 AM

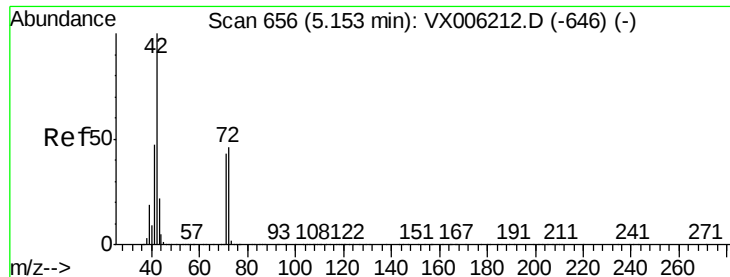


#28

Bromochloromethane
 Concen: 48.818 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX006360.D
 Acq: 10 Dec 2018 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.8	0.0	5.0	
130	100.3	78.3	117.5	





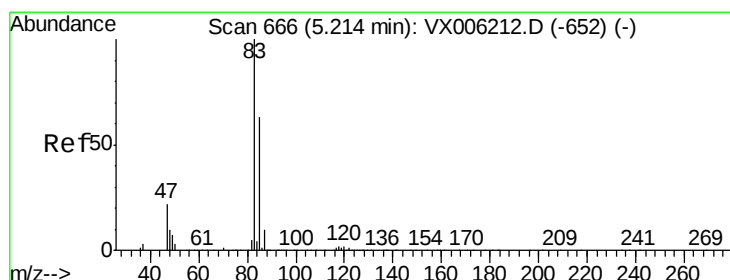
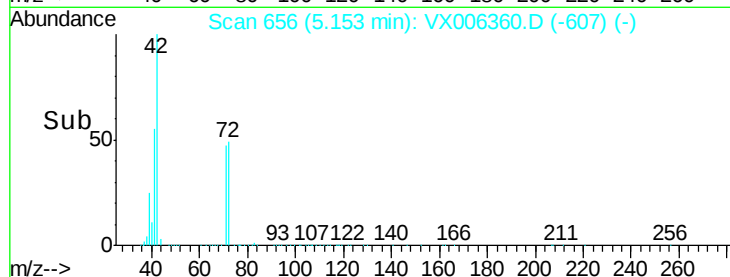
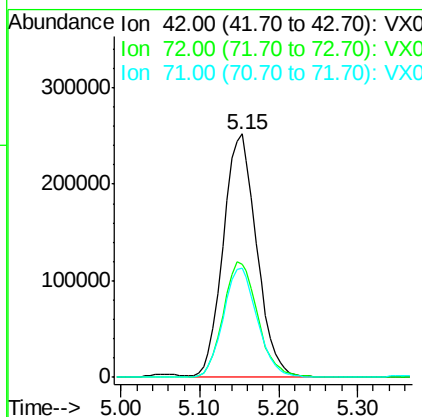
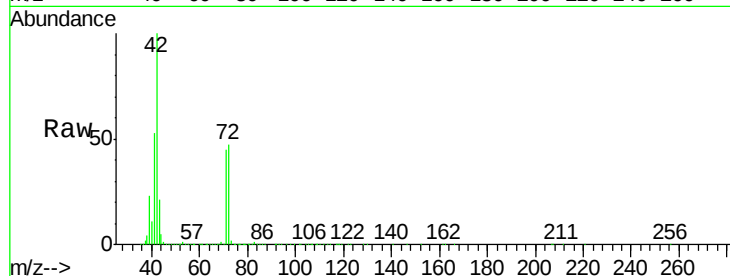
#29
Tetrahydrofuran
Concen: 214.964 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.0	37.8	56.8
71	45.7	35.2	52.8

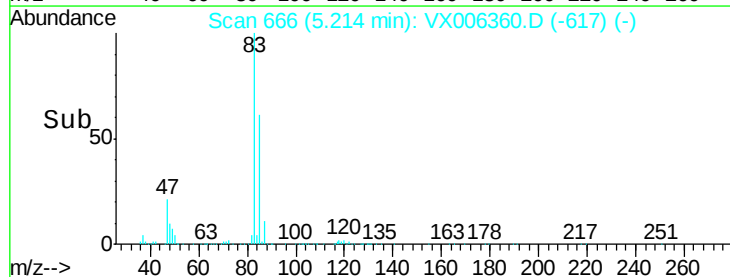
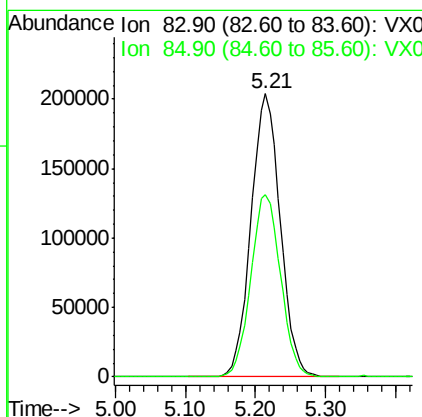
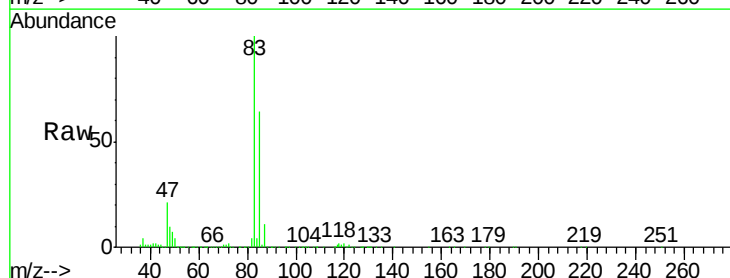
Manual Integrations
APPROVED

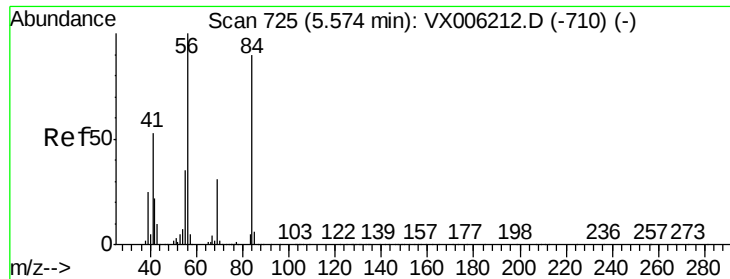
MMDadoda
12/11/2018 10:54:39 AM



#30
Chloroform
Concen: 48.665 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.3	75.5





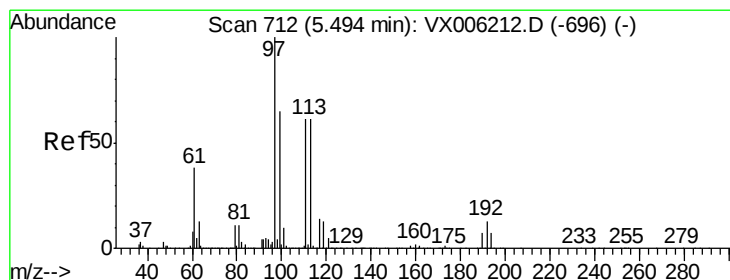
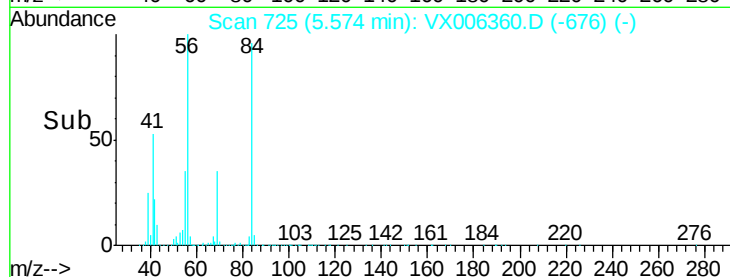
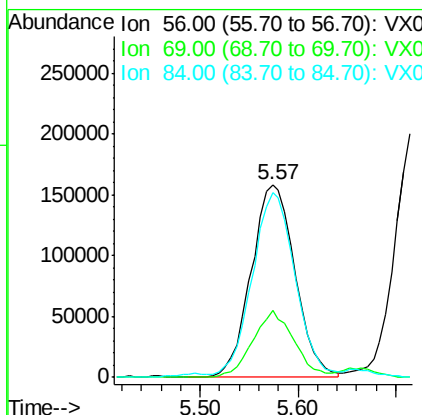
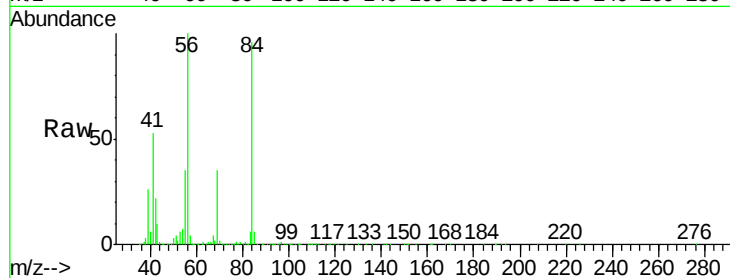
#31
Cyclohexane
Concen: 45.614 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.0	24.5	36.7
84	94.2	71.8	107.6

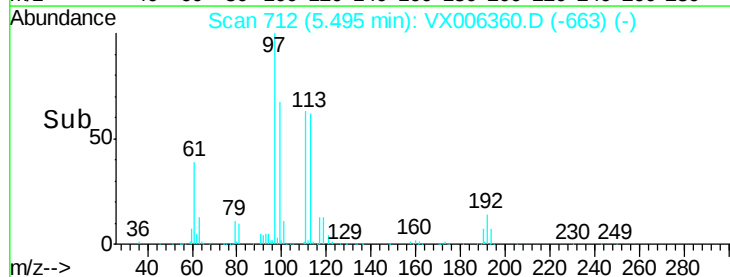
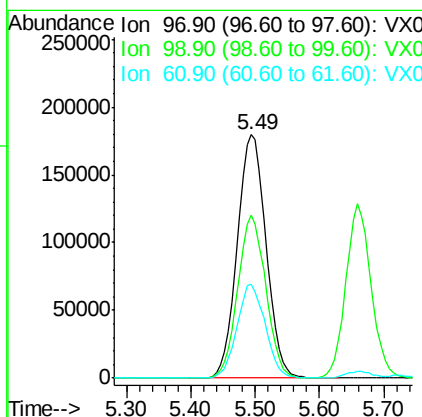
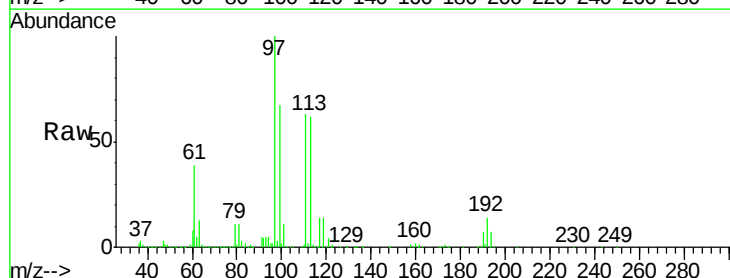
Manual Integrations
APPROVED

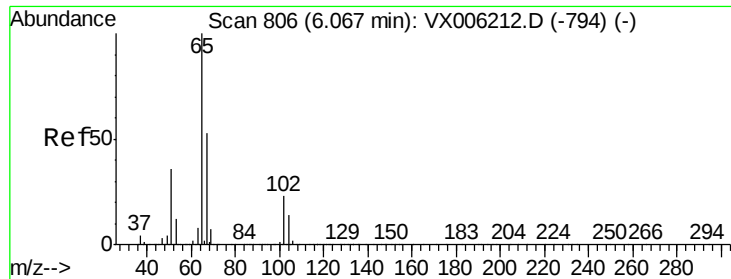
MMDadoda
12/11/2018 10:54:39 AM



#32
1,1,1-Trichloroethane
Concen: 47.743 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.6	77.4
61	37.8	30.6	46.0





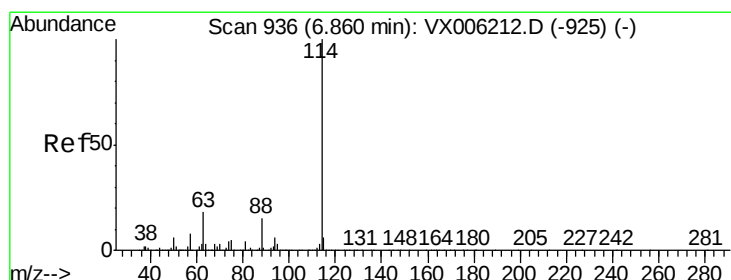
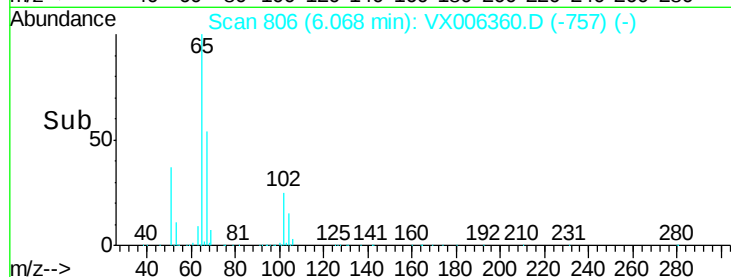
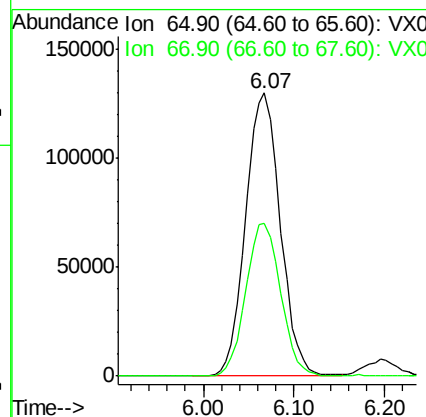
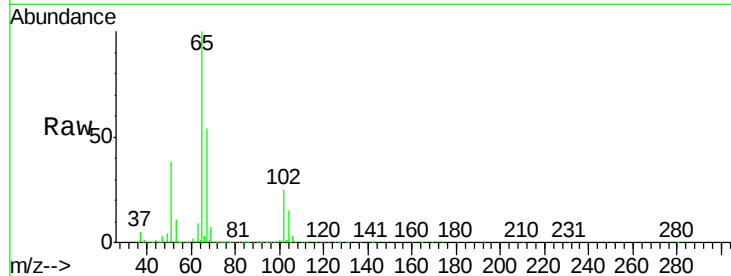
#33
 1,2-Dichloroethane-d4
 Concen: 46.499 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006360.D
 Acq: 10 Dec 2018 10:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	107.2

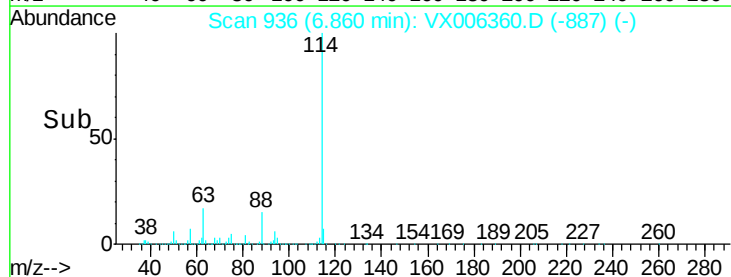
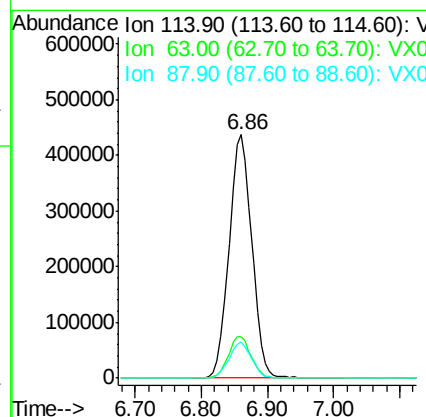
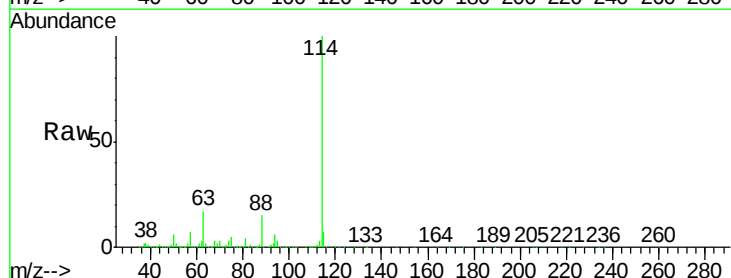
Manual Integrations
 APPROVED

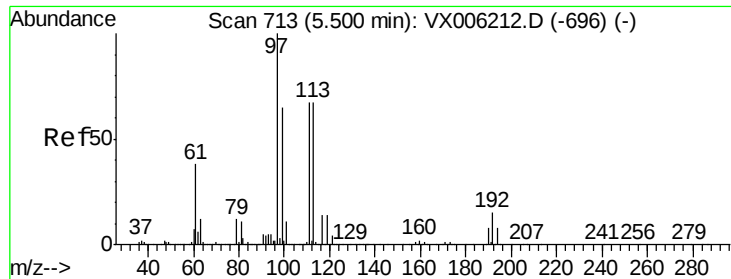
MMDadoda
 12/11/2018 10:54:39 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006360.D
 Acq: 10 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.2	0.0	36.6
88	14.8	0.0	29.0





#35

Dibromofluoromethane

Concen: 50.084 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Instrument :

MSVOA_X

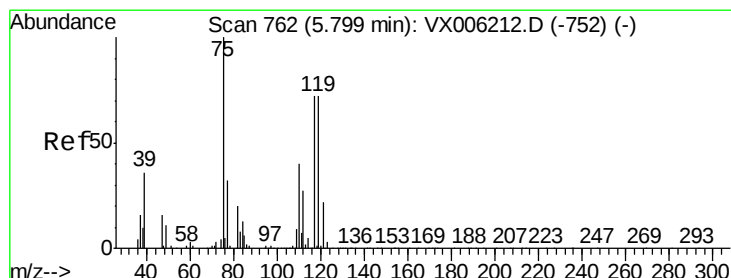
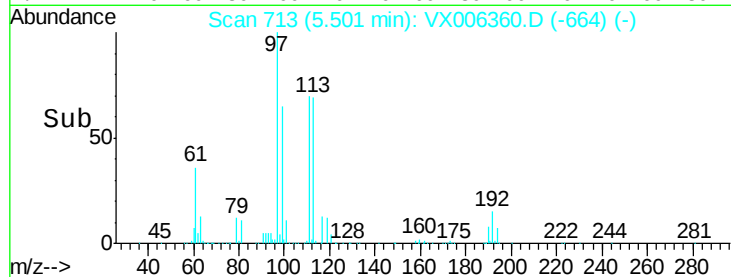
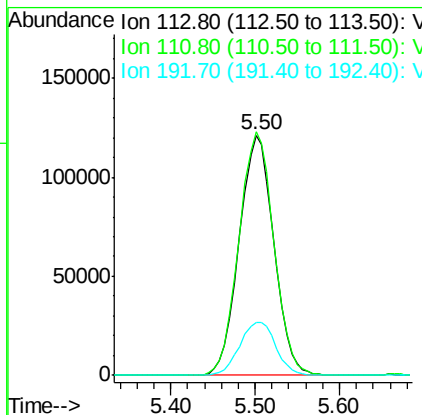
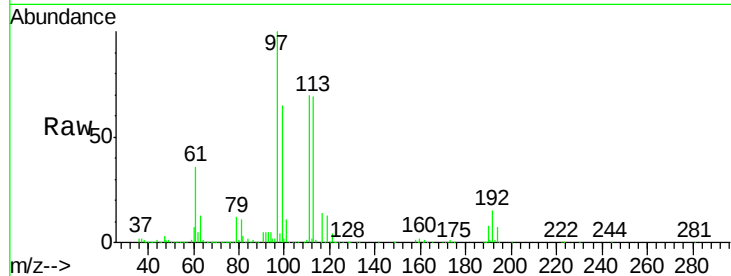
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	337953
Ion Ratio	Lower	Upper	
113	100		
111	102.3	81.1	121.7
192	23.2	18.2	27.2

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:39 AM



#36

1,1-Dichloropropene

Concen: 48.890 ug/l

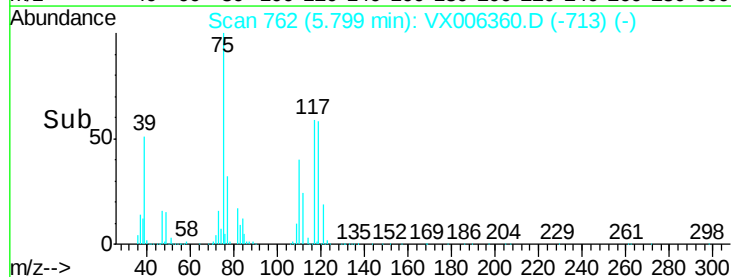
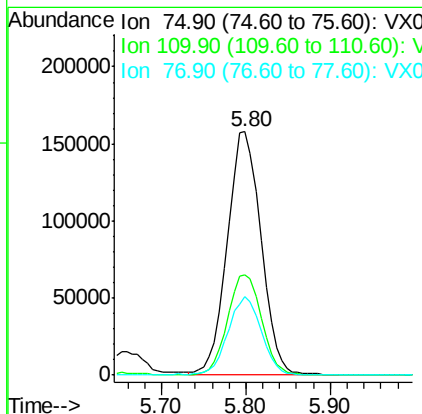
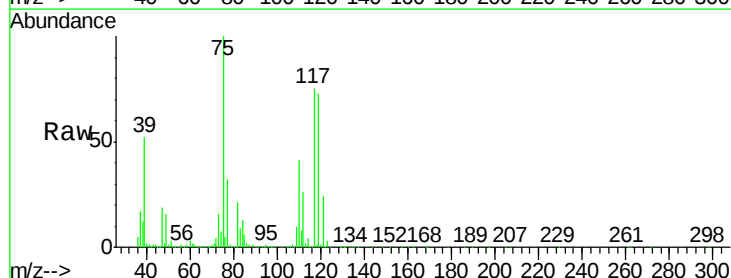
RT: 5.80 min Scan# 762

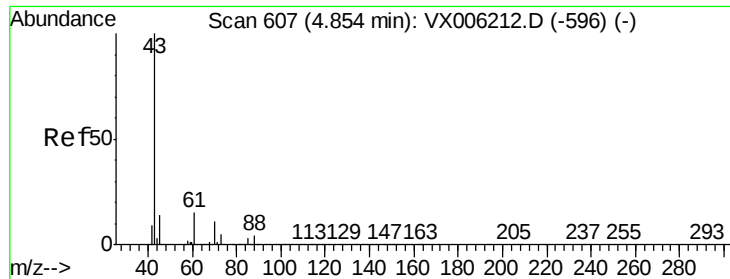
Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Tgt Ion:	75	Resp:	429068
Ion Ratio	Lower	Upper	
75	100		
110	41.6	20.4	61.3
77	31.3	24.9	37.3





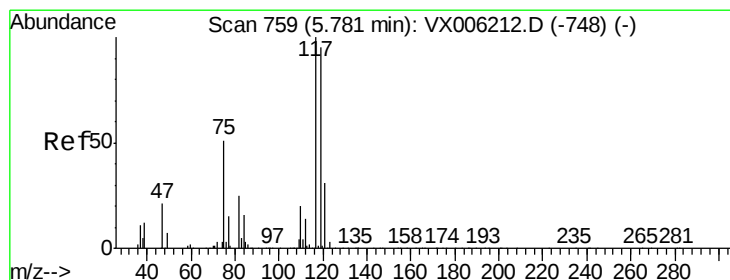
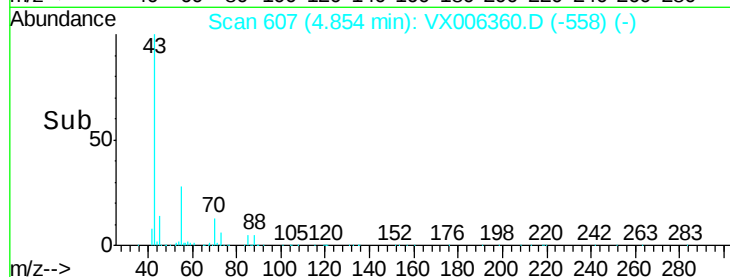
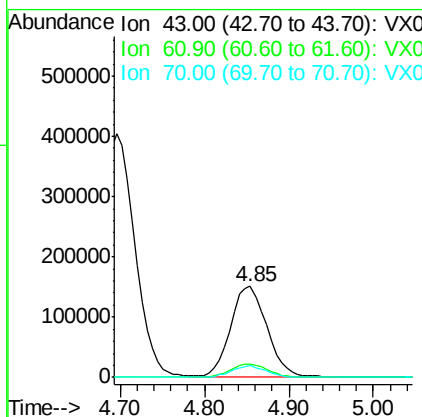
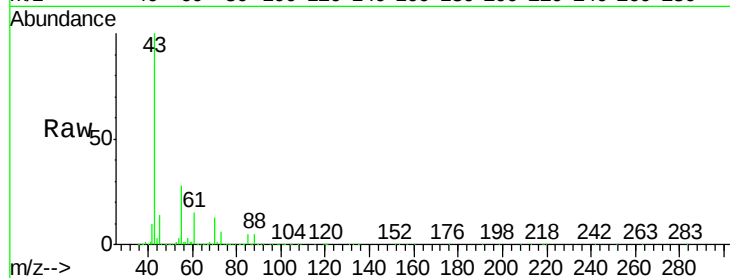
#37
Ethyl Acetate
Concen: 44.999 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	12.2	9.0	13.6

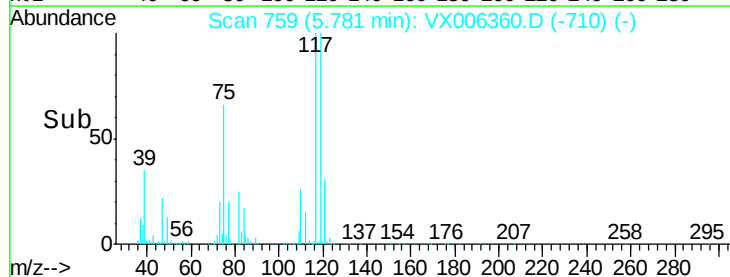
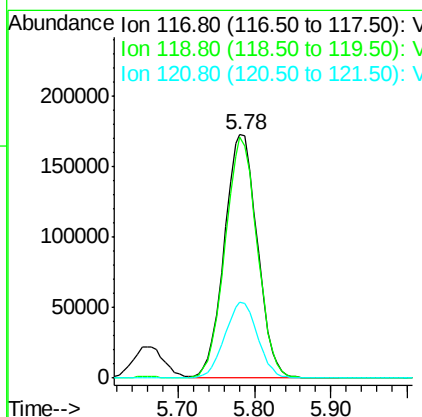
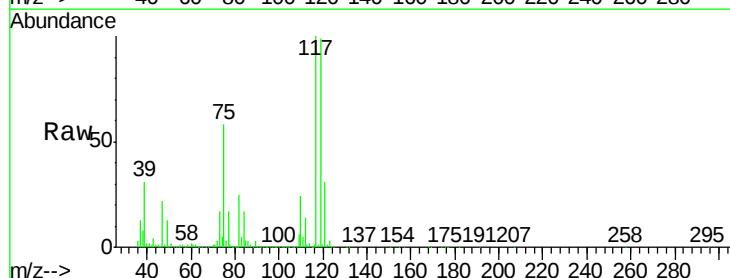
Manual Integrations
APPROVED

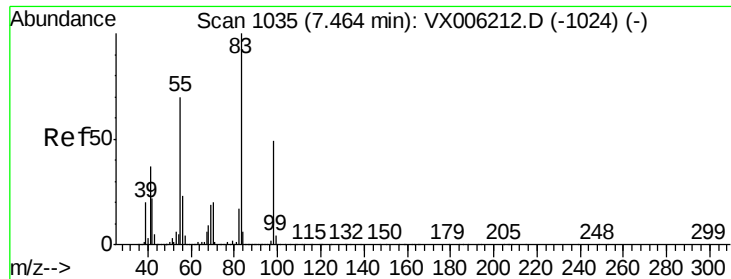
MMDadoda
12/11/2018 10:54:39 AM



#38
Carbon Tetrachloride
Concen: 49.798 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.0	75.8	113.8
121	31.2	24.6	37.0





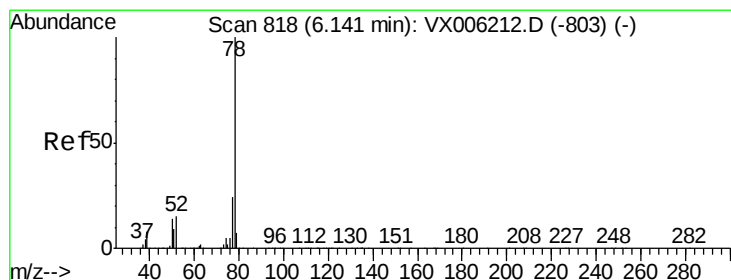
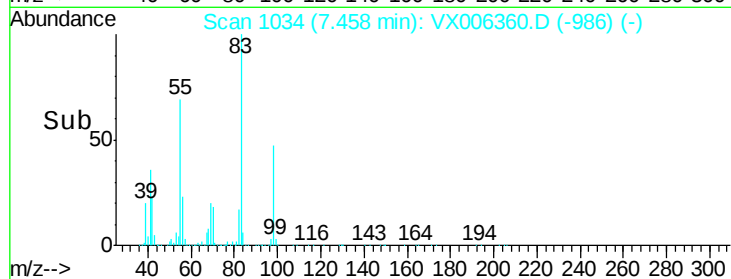
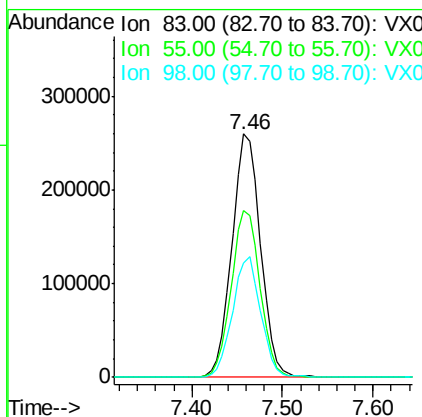
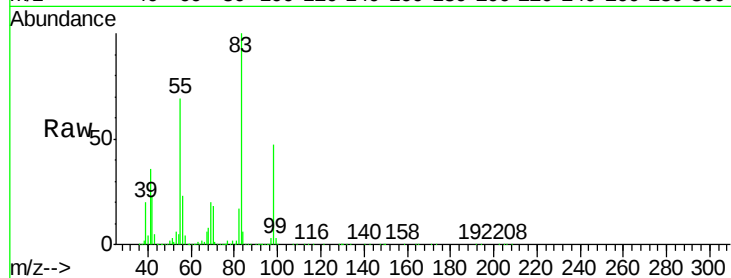
#39
Methvlcvclohexane
Concen: 49.972 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.5	56.4	84.6
98	47.2	39.0	58.6

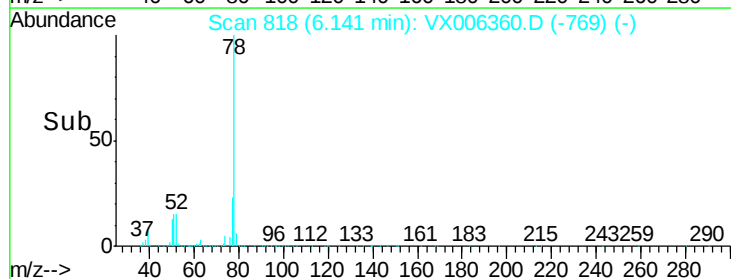
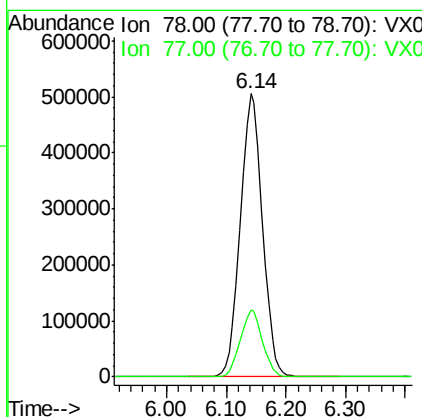
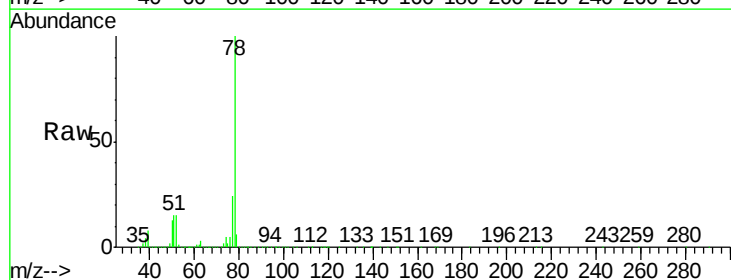
Manual Integrations
APPROVED

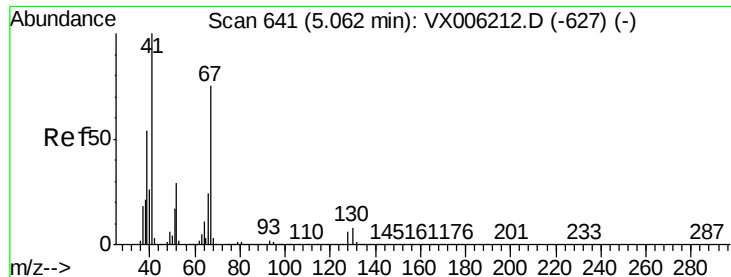
MMDadoda
12/11/2018 10:54:39 AM



#40
Benzene
Concen: 49.790 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8





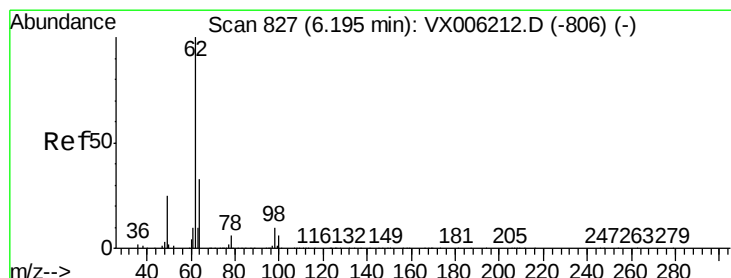
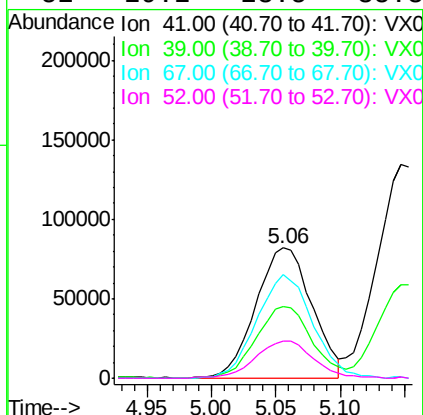
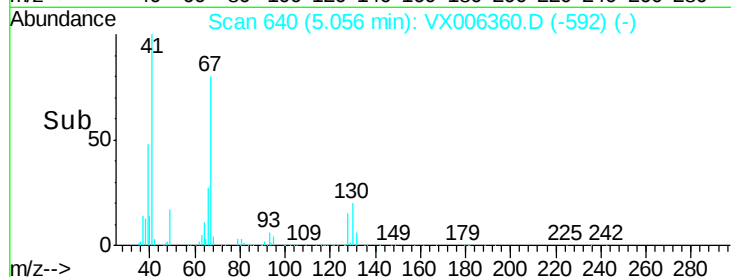
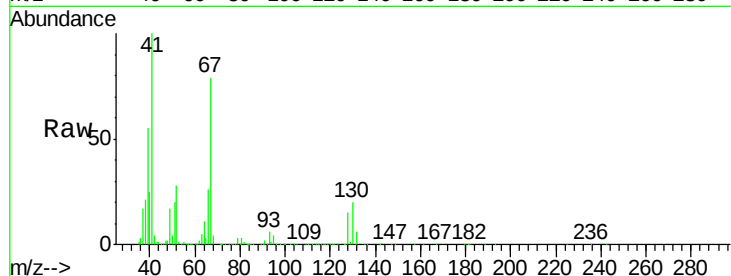
#41
Methacrylonitrile
Concen: 45.425 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		245657		
39	54.9	44.0	66.0		
67	79.5	61.4	92.0		
52	29.2	23.5	35.3		

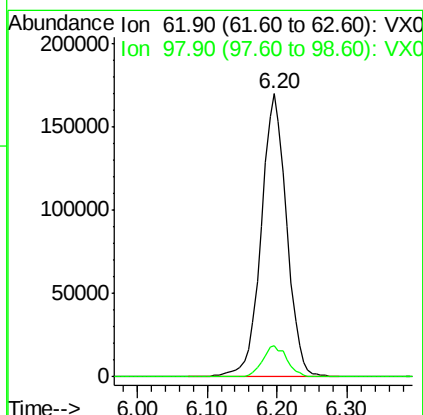
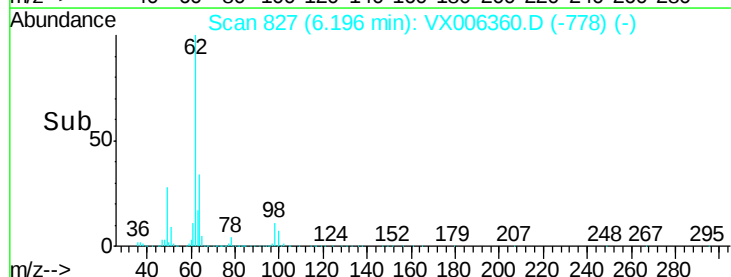
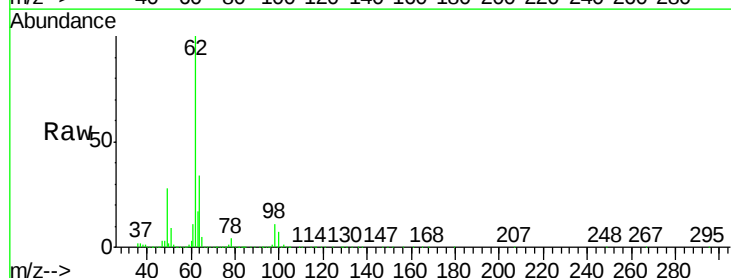
Manual Integrations
APPROVED

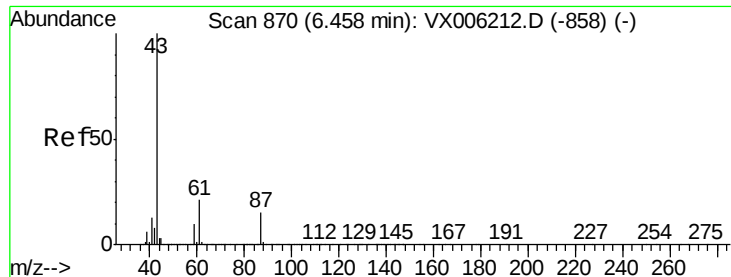
MMDadoda
12/11/2018 10:54:39 AM



#42
1,2-Dichloroethane
Concen: 49.920 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		429448		
98	10.4	0.0	20.2		





#43

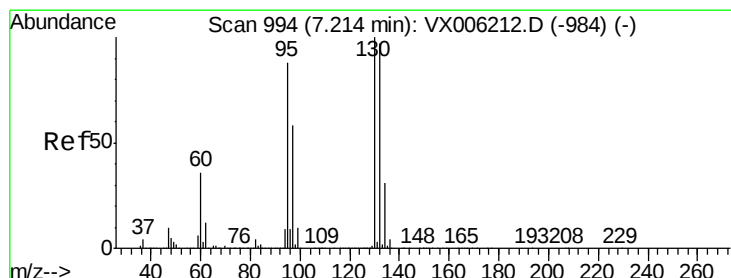
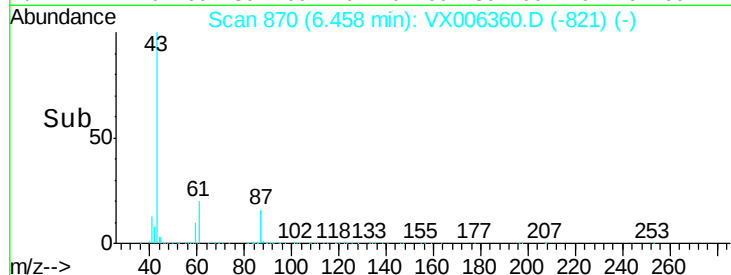
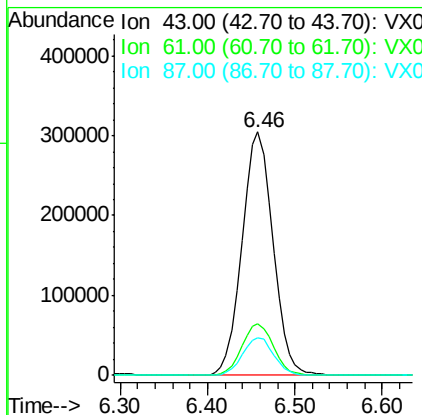
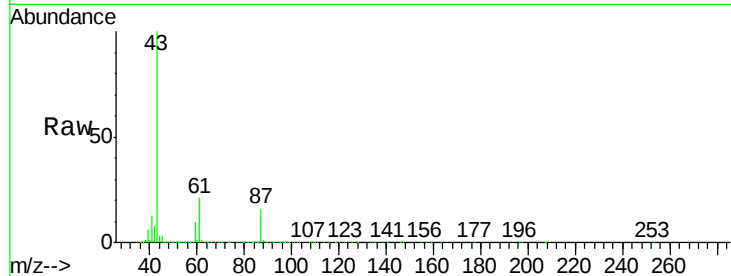
Isopropyl Acetate
 Concen: 45.743 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX006360.D
 Acq: 10 Dec 2018 10:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.7	16.8	25.2
87	15.6	11.9	17.9

Manual Integrations
 APPROVED

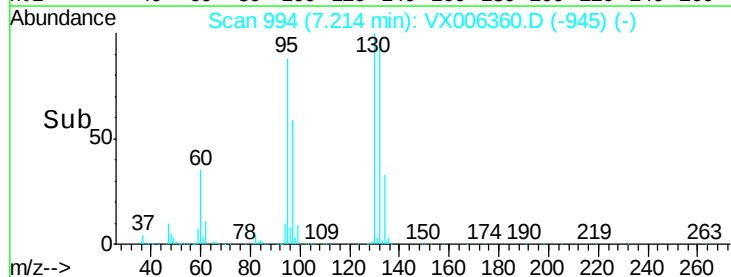
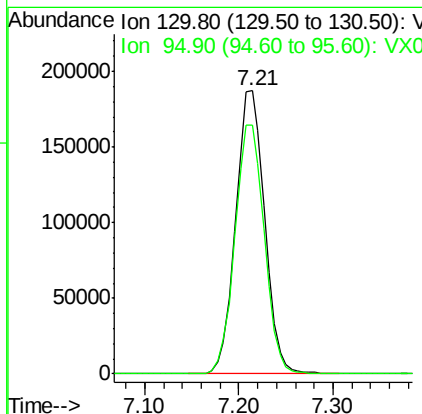
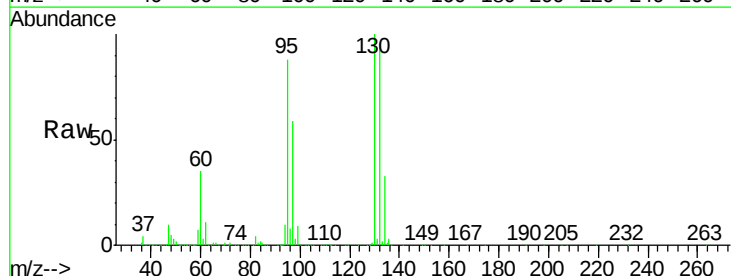
MMDadoda
 12/11/2018 10:54:39 AM



#44

Trichloroethene
 Concen: 50.517 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX006360.D
 Acq: 10 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.8	0.0	175.8





#45

1,2-Dichloropropane

Concen: 49.751 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 332364

Ion Ratio Lower Upper

63 100

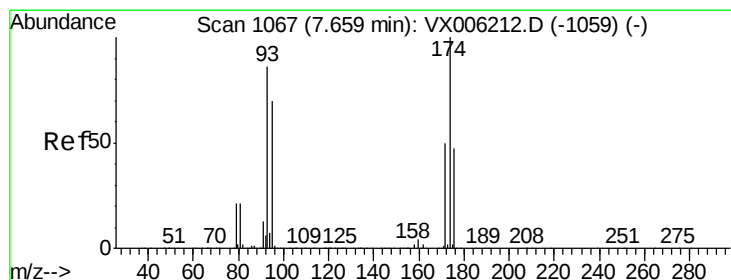
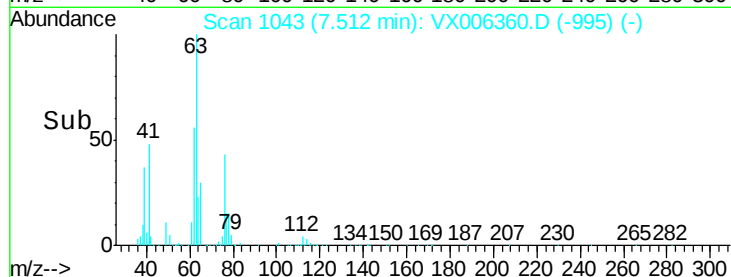
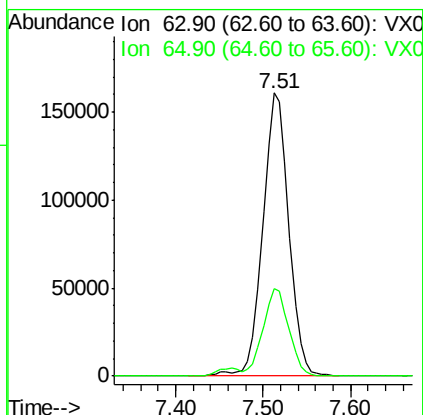
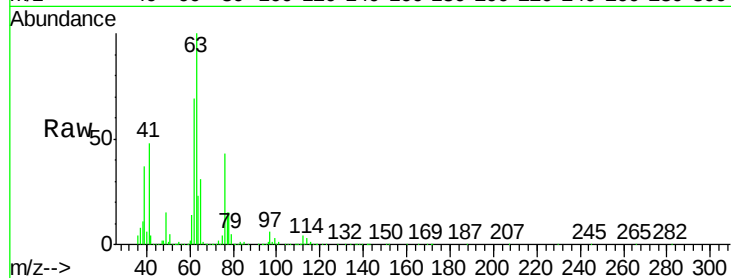
65 30.8 24.3 36.5

Manual Integrations

APPROVED

MMDadoda

12/11/2018 10:54:39 AM



#46

Dibromomethane

Concen: 49.501 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

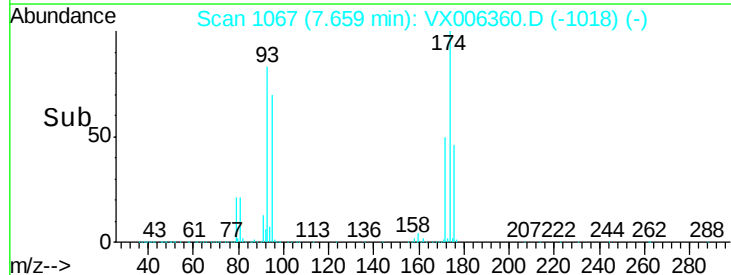
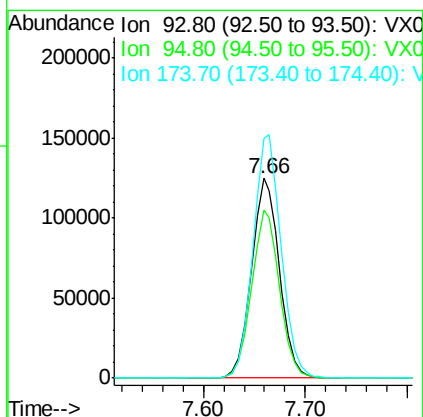
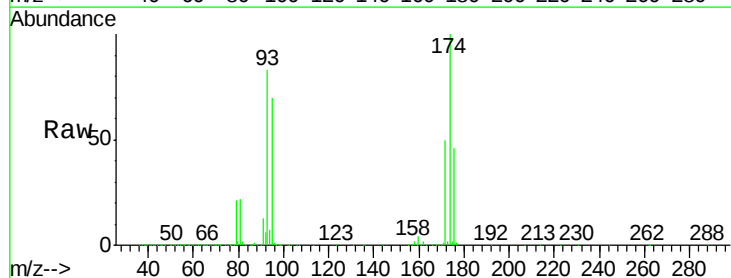
Tgt Ion: 93 Resp: 238832

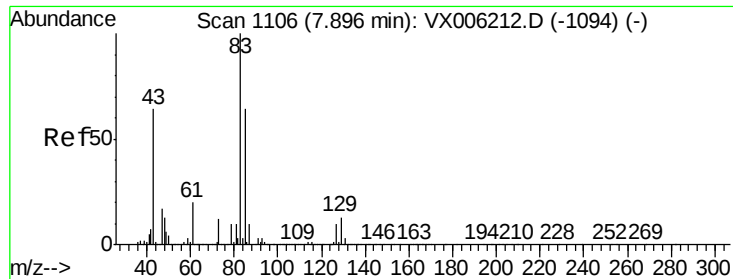
Ion Ratio Lower Upper

93 100

95 84.0 66.2 99.4

174 122.8 97.2 145.8





#47

Bromodichloromethane

Concen: 50.468 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Instrument :

MSVOA_X

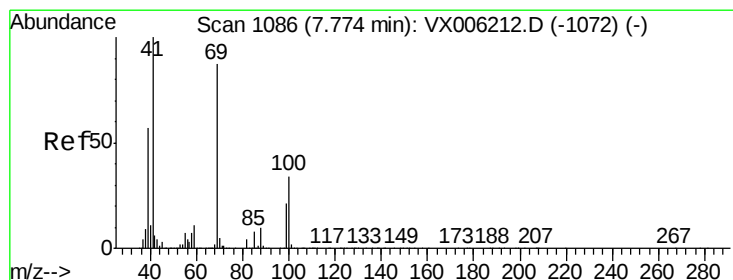
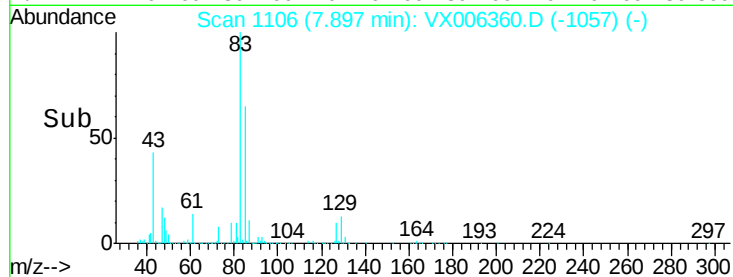
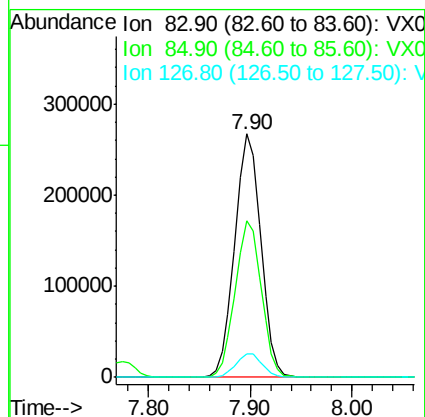
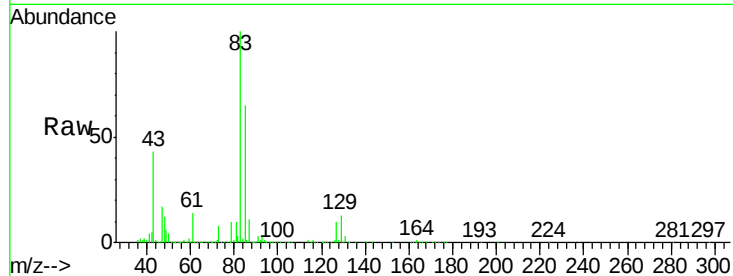
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	471541
Ion Ratio	Lower	Upper	
83	100		
85	64.5	51.4	77.0
127	9.9	7.9	11.9

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:39 AM



#48

Methyl methacrylate

Concen: 46.050 ug/l

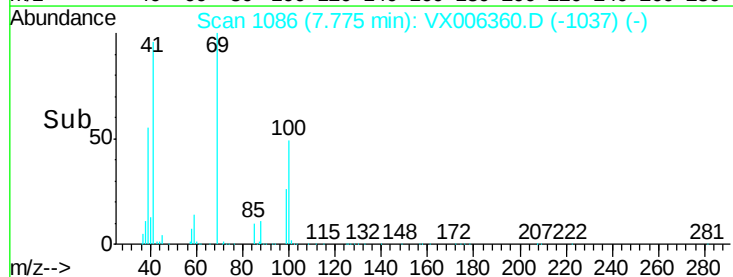
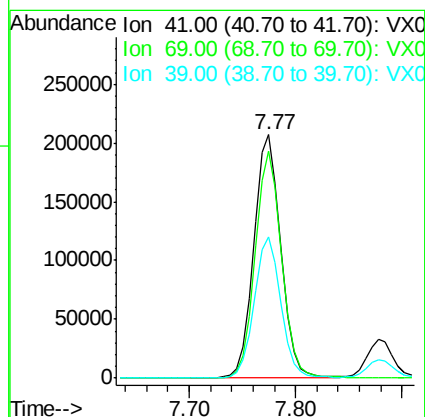
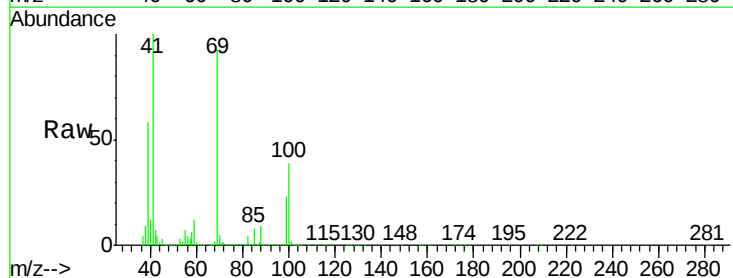
RT: 7.77 min Scan# 1086

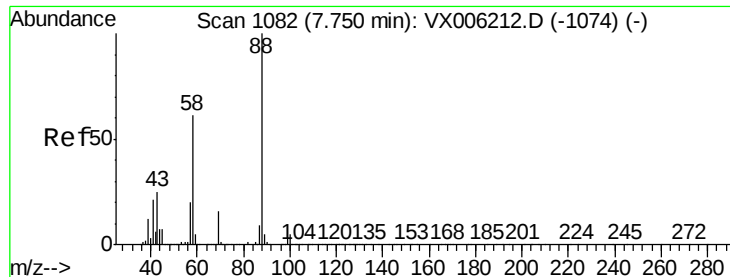
Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Tgt Ion:	41	Resp:	367103
Ion Ratio	Lower	Upper	
41	100		
69	91.7	70.3	105.5
39	57.2	45.3	67.9





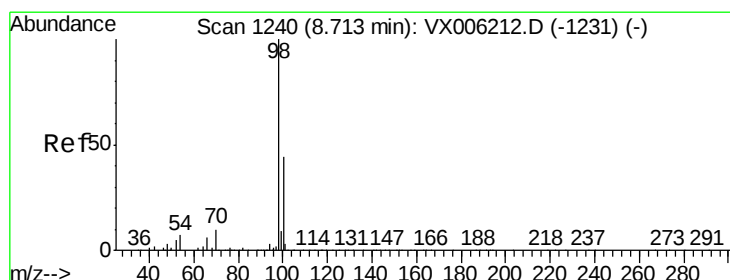
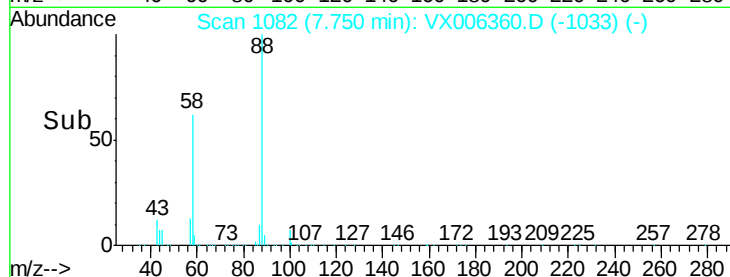
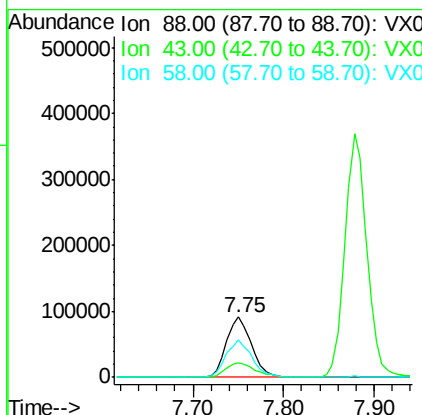
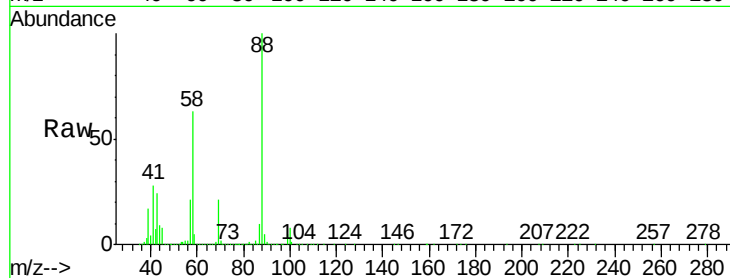
#49
1,4-Dioxane
Concen: 899.416 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.7	23.2	34.8
58	63.7	51.4	77.0

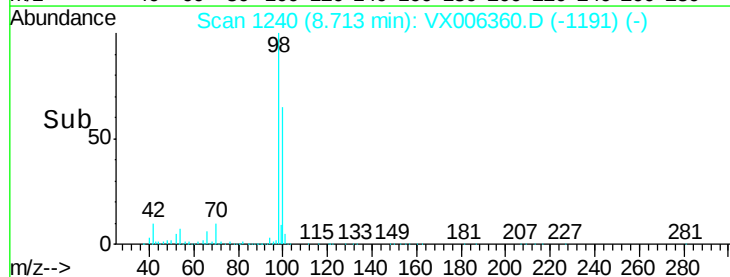
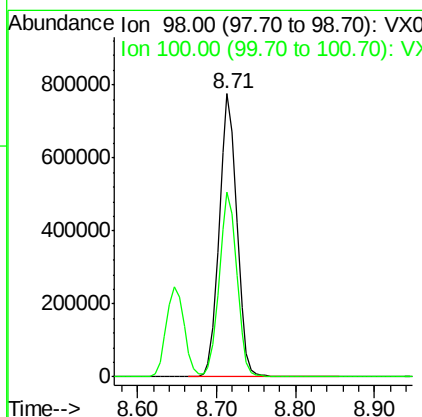
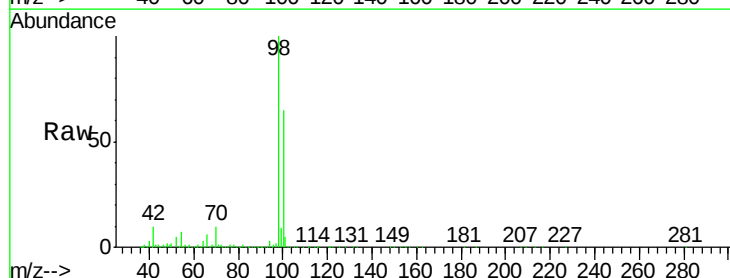
Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:39 AM



#50
Toluene-d8
Concen: 49.352 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 231.354 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2206941

Ion Ratio Lower Upper

43 100

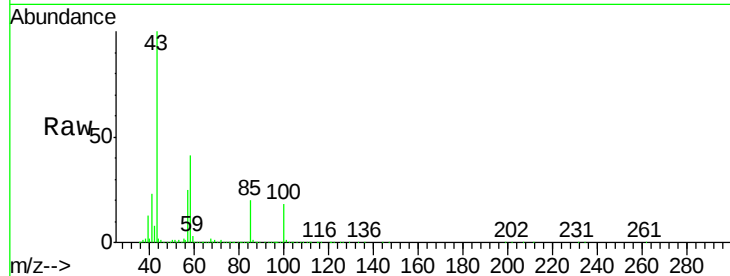
58 39.9 31.3 46.9

Manual Integrations

APPROVED

MMDadoda

12/11/2018 10:54:39 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1500000

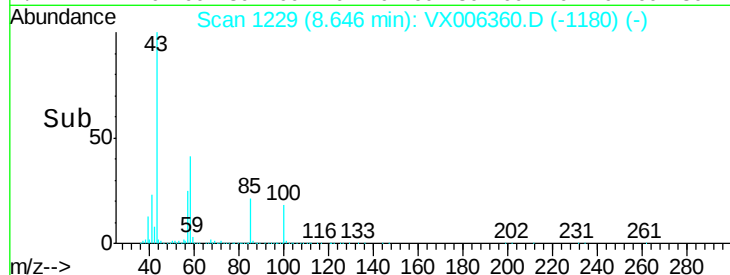
1000000

500000

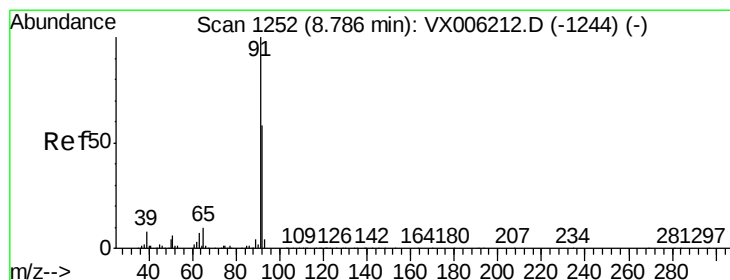
0

8.65

8.60 8.70 8.80



Time-->



#52

Toluene

Concen: 50.232 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX006360.D

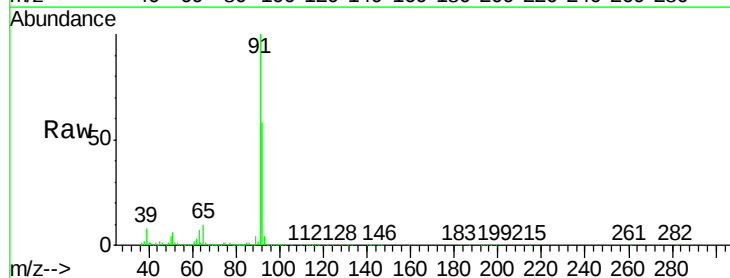
Acq: 10 Dec 2018 10:37

Tgt Ion: 92 Resp: 868659

Ion Ratio Lower Upper

92 100

91 172.9 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

1000000

800000

600000

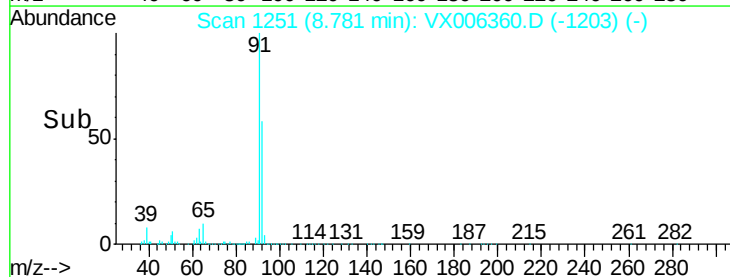
400000

200000

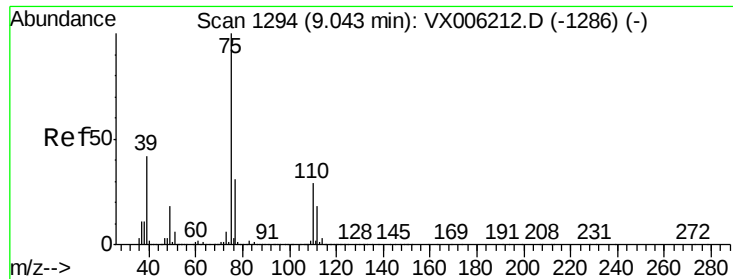
0

8.78

8.70 8.80 8.90



Time-->



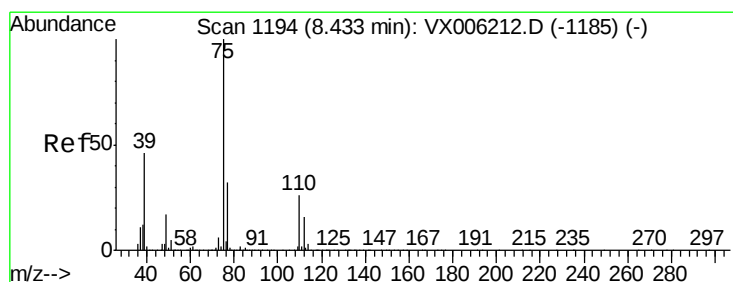
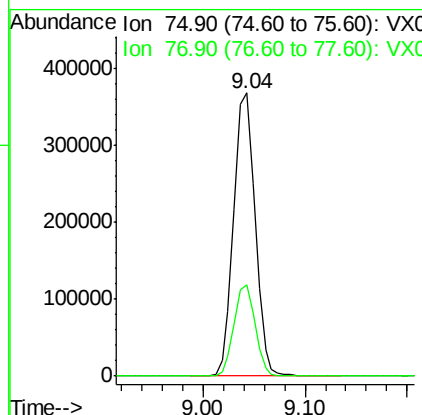
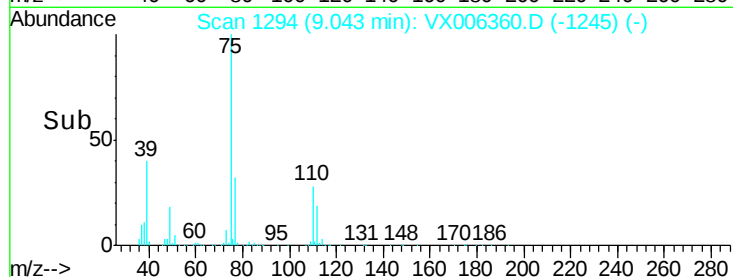
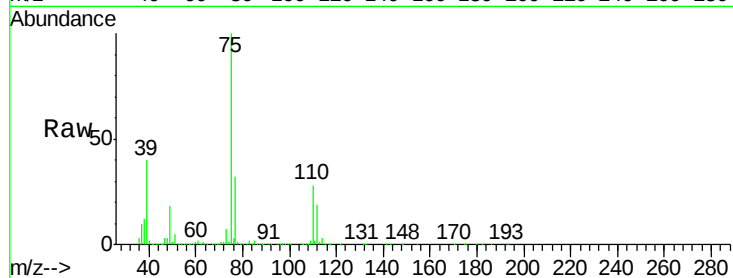
#53
t-1,3-Dichloropropene
Concen: 49.072 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.0	37.4

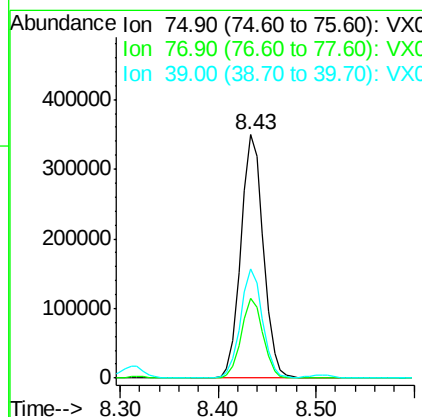
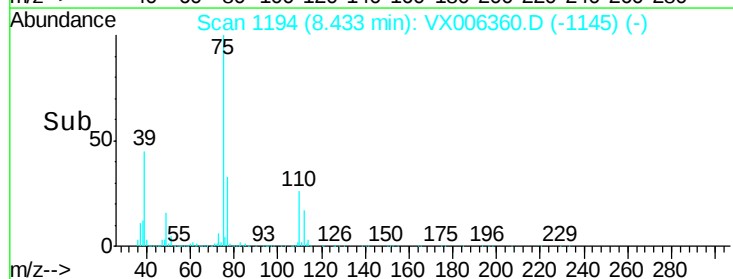
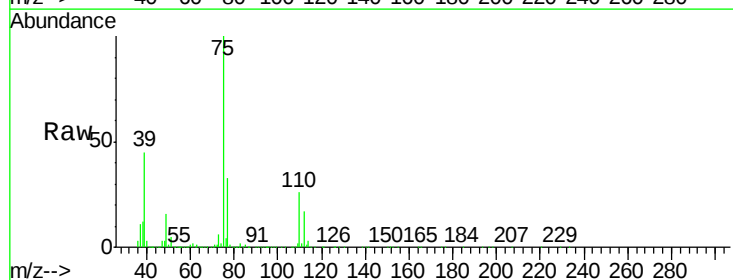
Manual Integrations
APPROVED

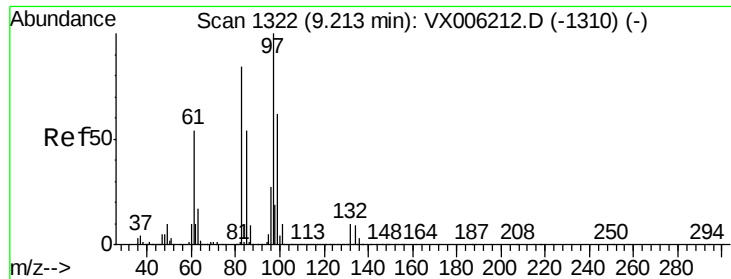
MMDadoda
12/11/2018 10:54:39 AM



#54
cis-1,3-Dichloropropene
Concen: 49.067 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.6	38.4
39	44.6	36.5	54.7





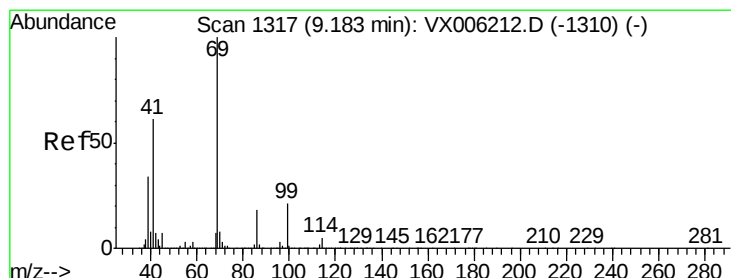
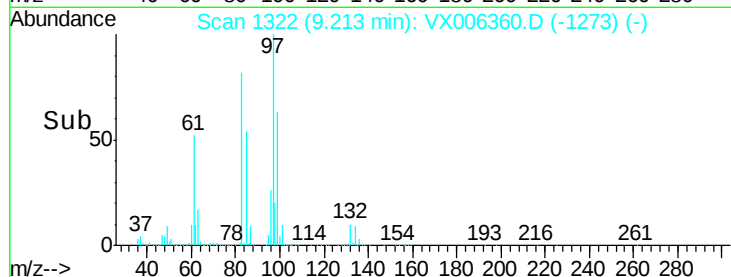
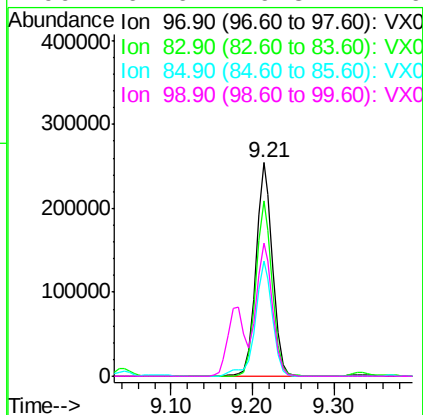
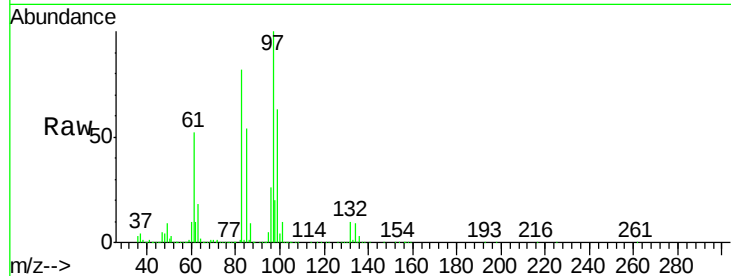
#55
 1,1,2-Trichloroethane
 Concen: 52.003 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX006360.D
 Acq: 10 Dec 2018 10:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		365345		
83	81.9	67.1	100.7		
85	54.0	43.2	64.8		
99	62.6	49.8	74.6		

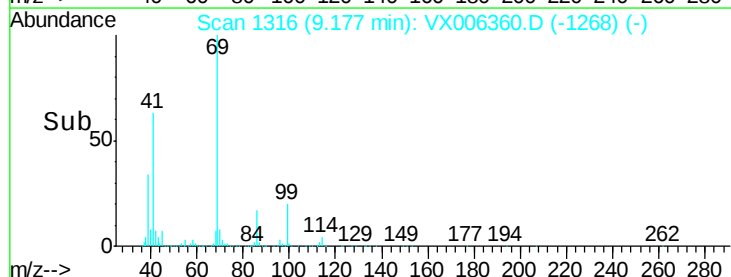
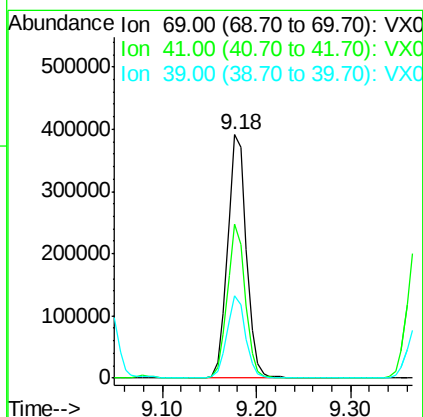
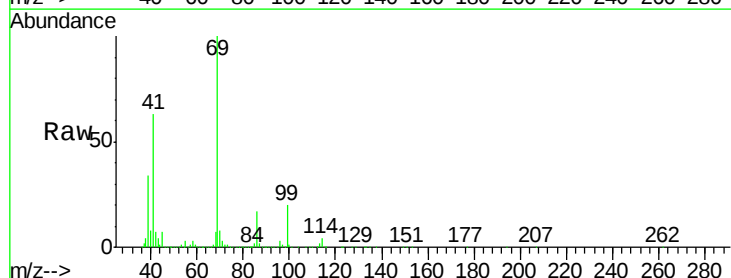
Manual Integrations
 APPROVED

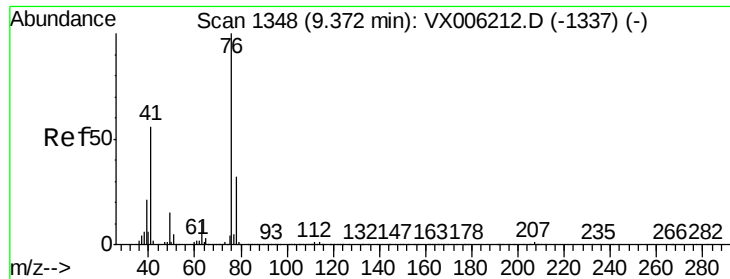
MMDadoda
 12/11/2018 10:54:39 AM



#56
 Ethyl methacrylate
 Concen: 49.159 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VX006360.D
 Acq: 10 Dec 2018 10:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		539918		
41	60.6	50.6	76.0		
39	33.3	27.6	41.4		





#57

1,3-Dichloropropane

Concen: 50.376 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 559643

Ion Ratio Lower Upper

76 100

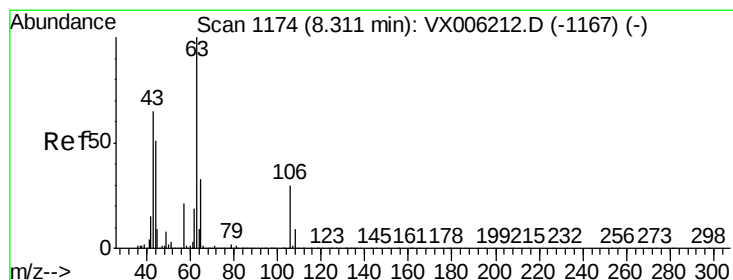
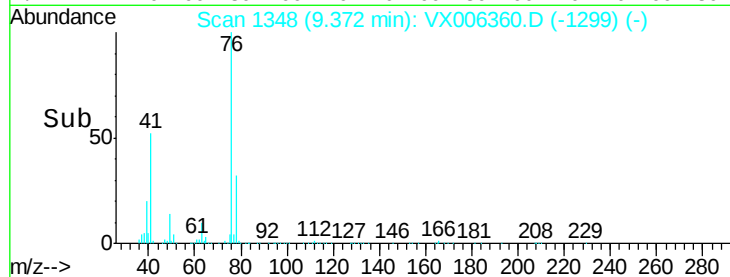
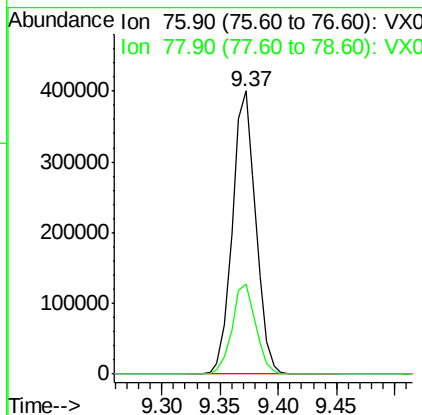
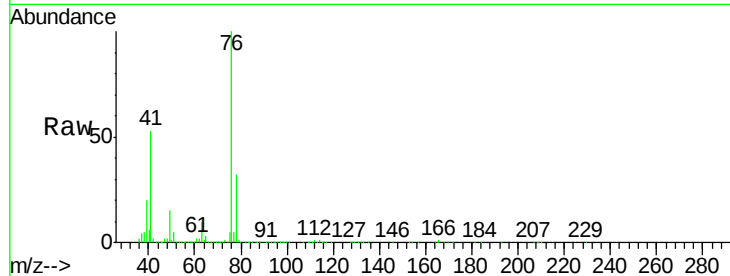
78 32.4 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

12/11/2018 10:54:39 AM



#58

2-Chloroethyl Vinyl ether

Concen: 275.516 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006360.D

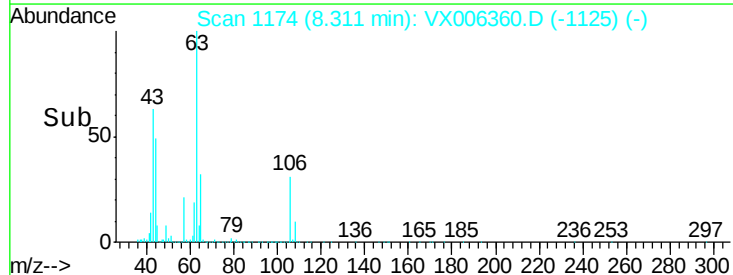
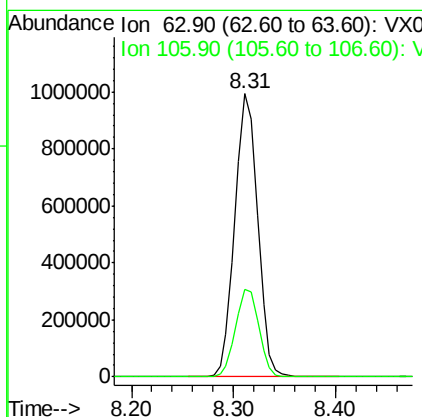
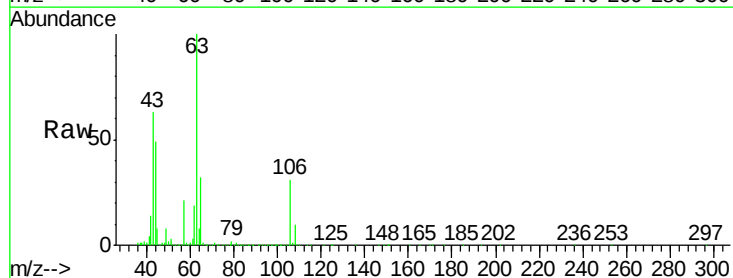
Acq: 10 Dec 2018 10:37

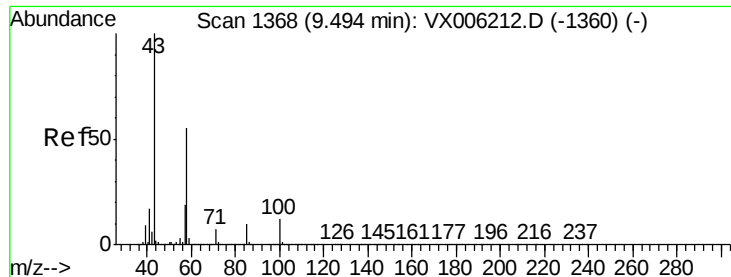
Tgt Ion: 63 Resp: 1535544

Ion Ratio Lower Upper

63 100

106 31.7 24.9 37.3





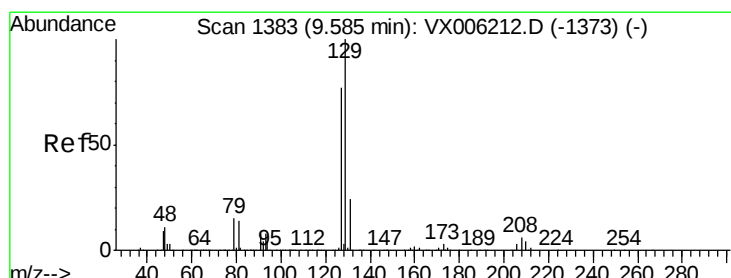
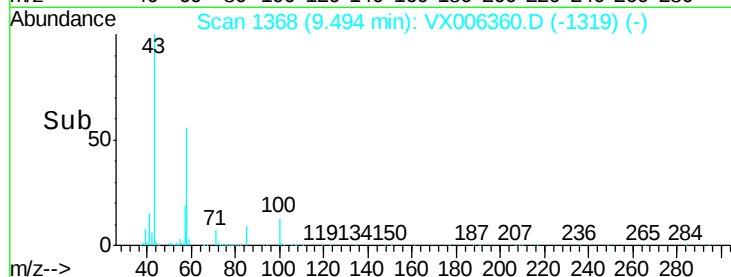
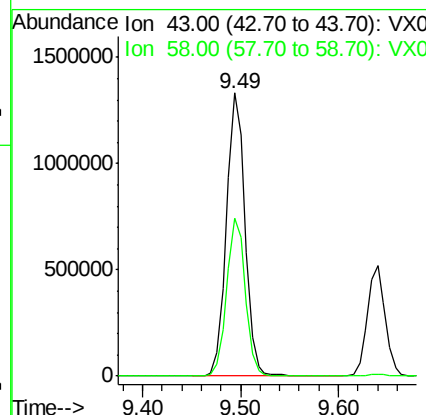
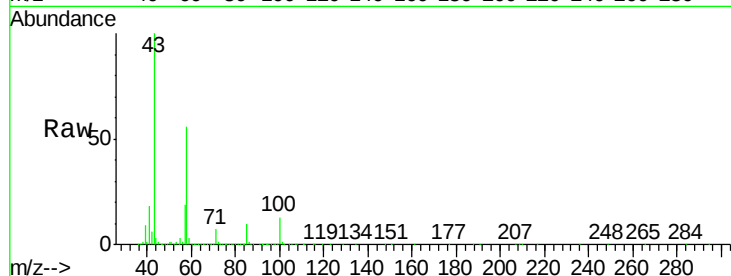
#59
2-Hexanone
Concen: 241.559 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1760479
Ion Ratio Lower Upper
43 100
58 55.9 27.7 83.1

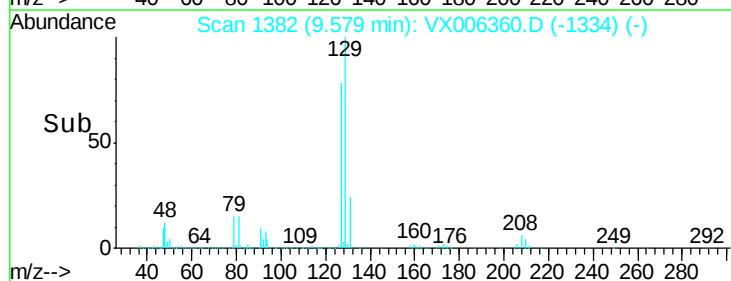
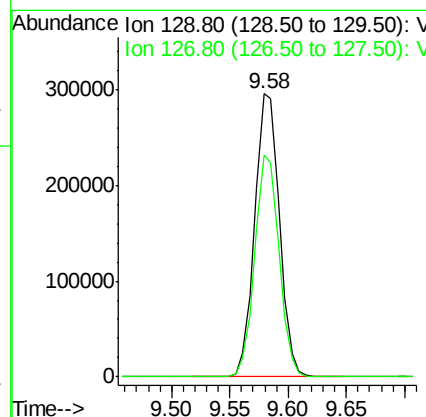
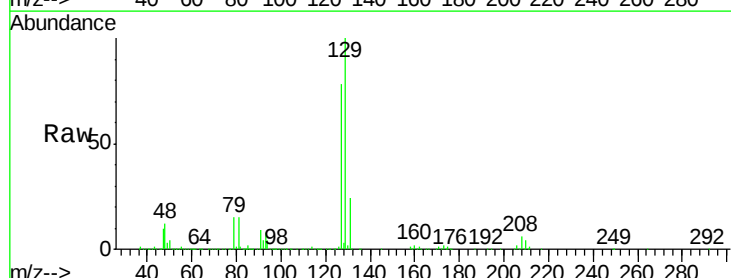
Manual Integrations
APPROVED

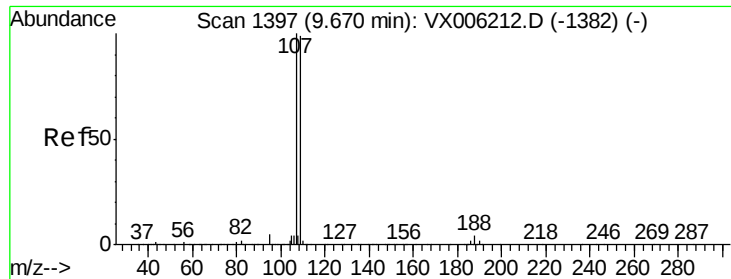
MMDadoda
12/11/2018 10:54:39 AM



#60
Dibromochloromethane
Concen: 50.825 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Tgt Ion:129 Resp: 440295
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.402 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 395935

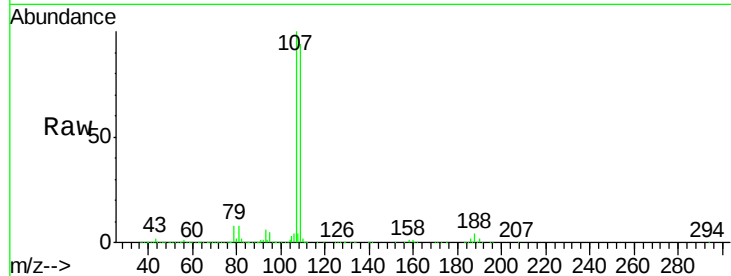
Ion Ratio Lower Upper

107 100

109 93.2 76.3 114.5

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:39 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

300000

250000

200000

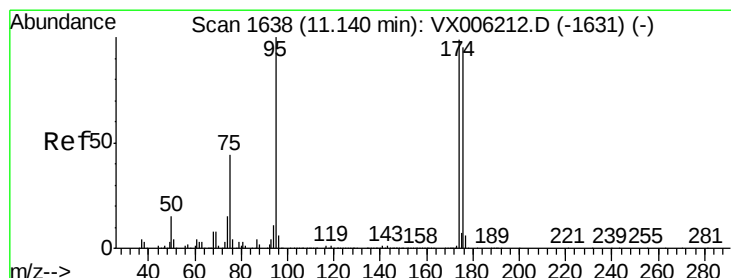
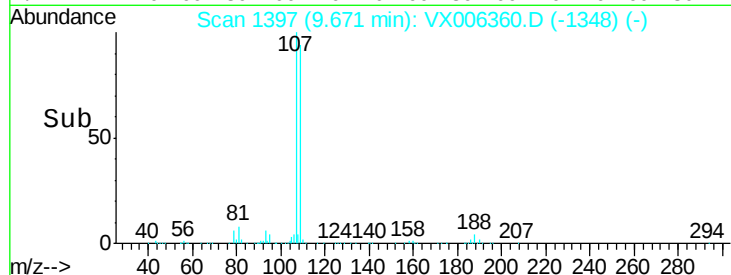
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.182 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

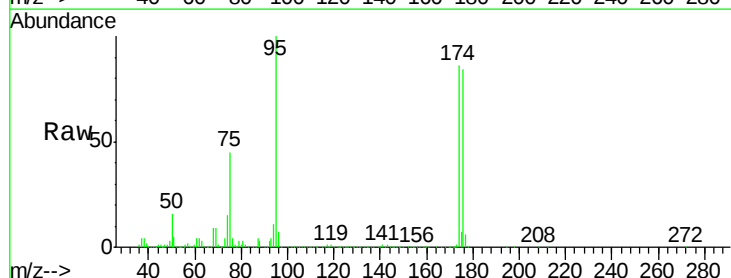
Tgt Ion: 95 Resp: 464130

Ion Ratio Lower Upper

95 100

174 95.5 0.0 187.0

176 92.3 0.0 181.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

500000

400000

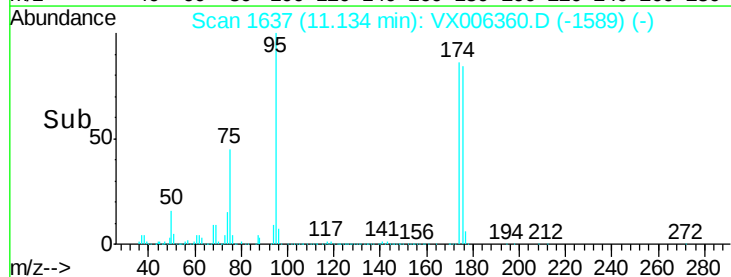
300000

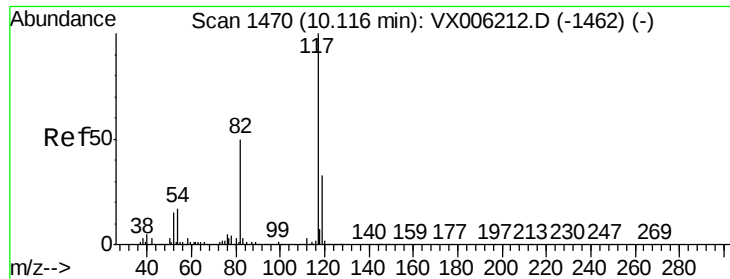
200000

100000

0

Time-->





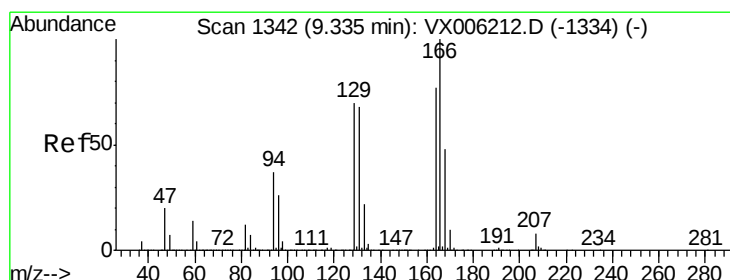
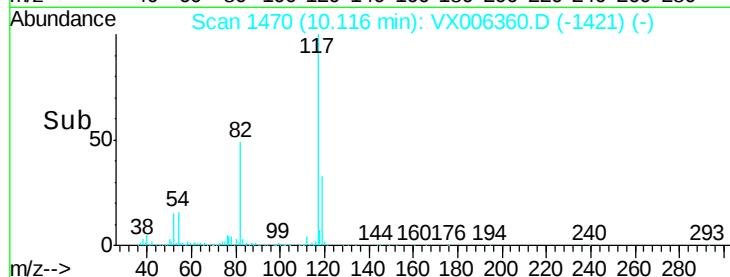
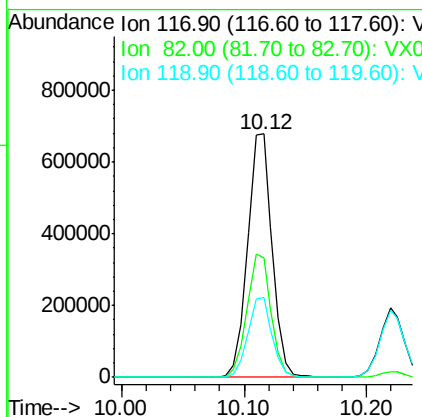
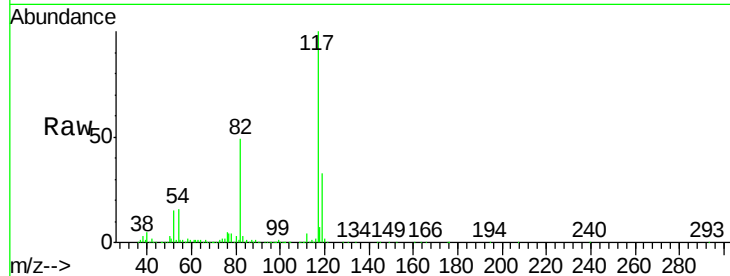
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.1	39.6	59.4
119	32.6	26.3	39.5

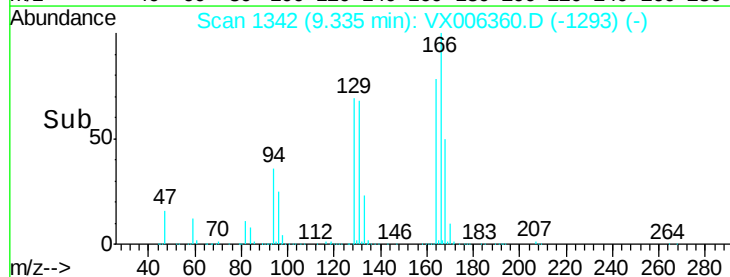
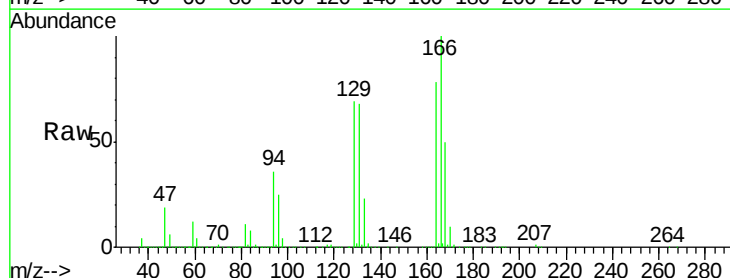
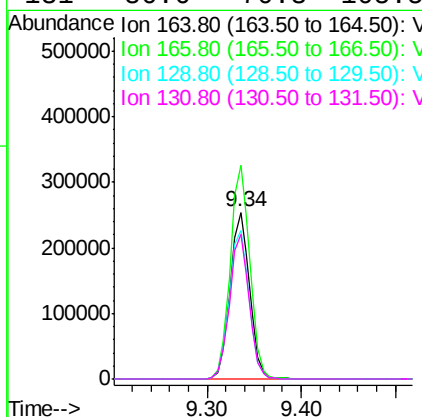
Manual Integrations
APPROVED

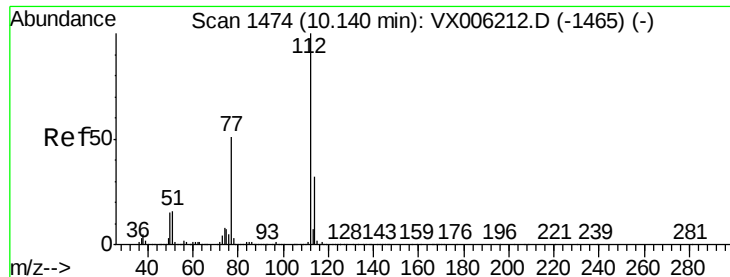
MMDadoda
12/11/2018 10:54:39 AM



#64
Tetrachloroethene
Concen: 51.008 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	104.2	156.2
129	88.9	72.6	108.8
131	86.6	70.3	105.5





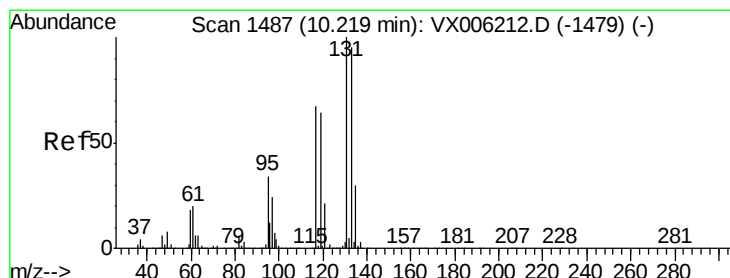
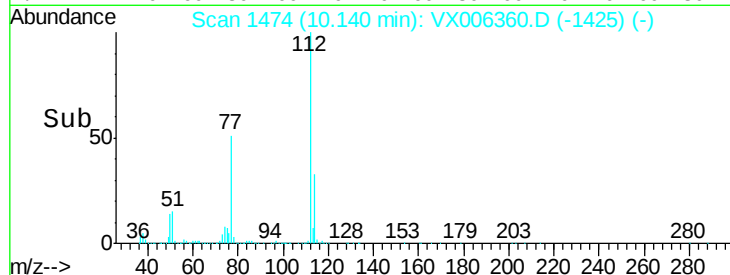
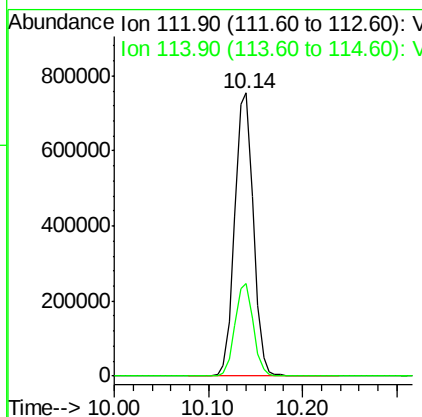
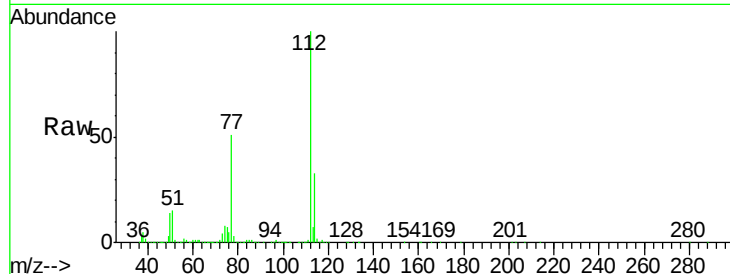
#65
Chlorobenzene
Concen: 51.382 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1035490
Ion Ratio Lower Upper
112 100
114 32.7 25.4 38.2

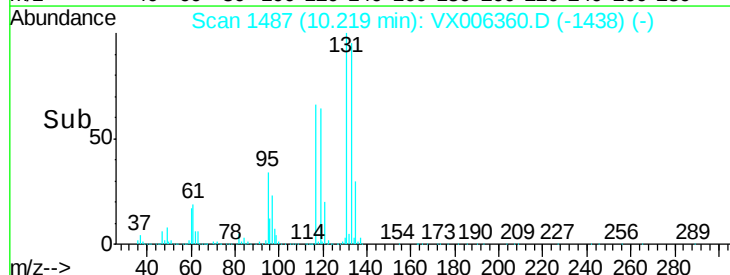
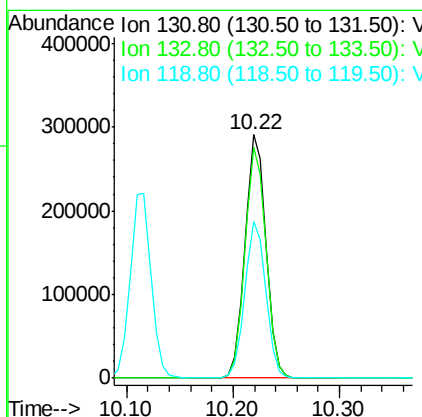
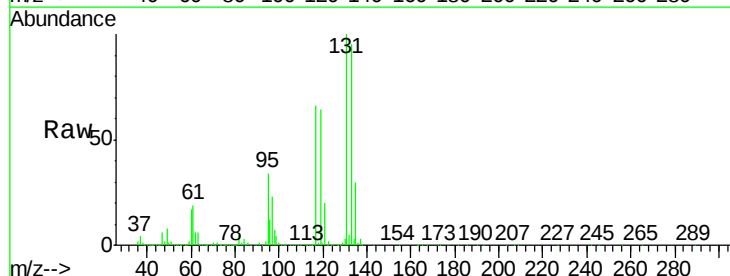
Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:39 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.365 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Tgt Ion:131 Resp: 402193
Ion Ratio Lower Upper
131 100
133 95.4 48.1 144.4
119 64.5 32.1 96.3





#67

Ethyl Benzene

Concen: 50.310 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1686294

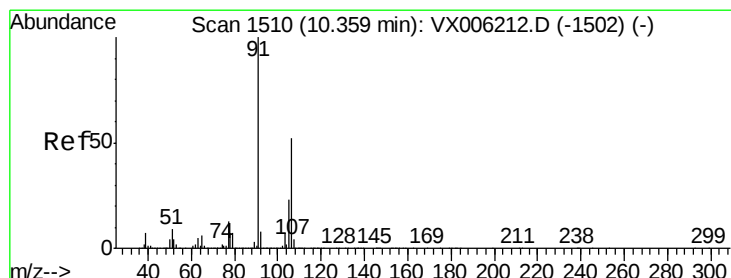
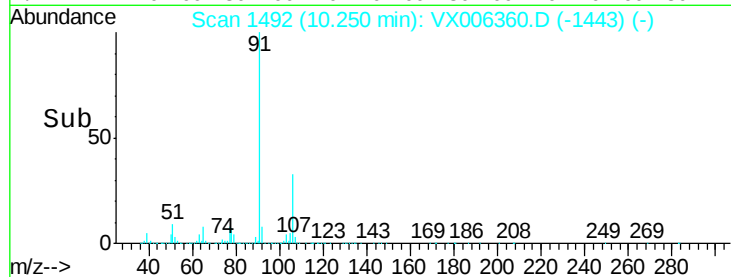
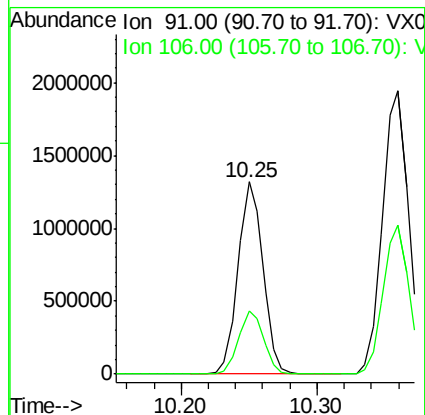
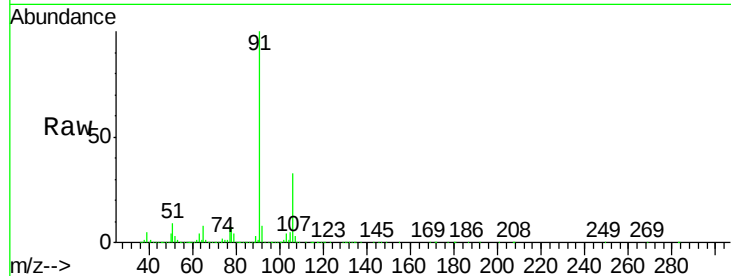
Ion Ratio Lower Upper

91 100

106 33.1 26.5 39.7

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:39 AM



#68

m/p-Xylenes

Concen: 100.864 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006360.D

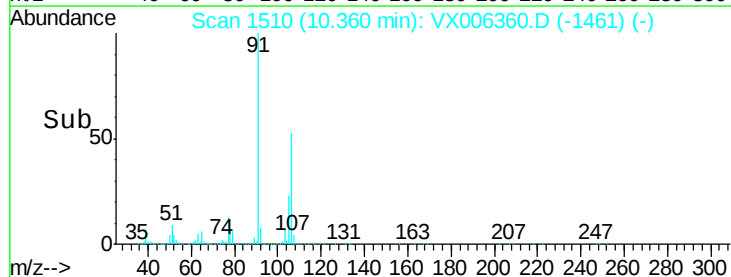
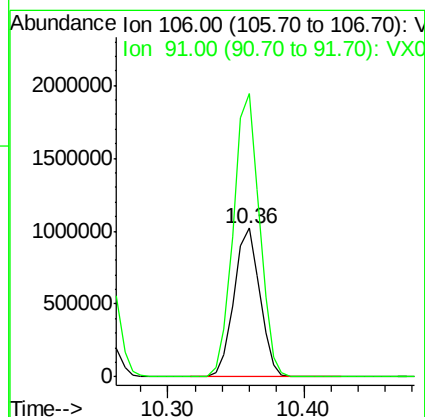
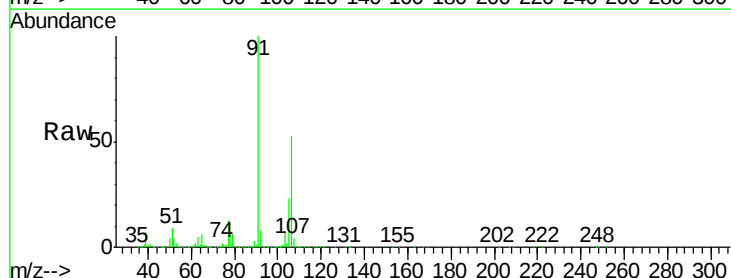
Acq: 10 Dec 2018 10:37

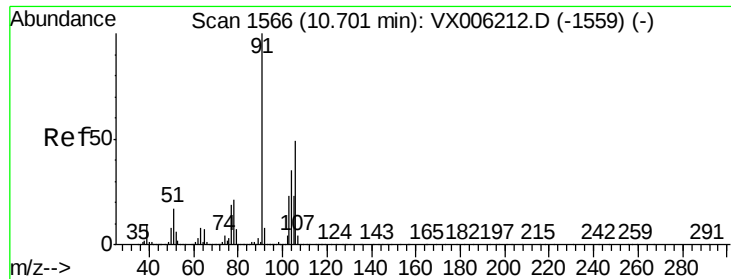
Tgt Ion: 106 Resp: 1354244

Ion Ratio Lower Upper

106 100

91 191.9 155.2 232.8





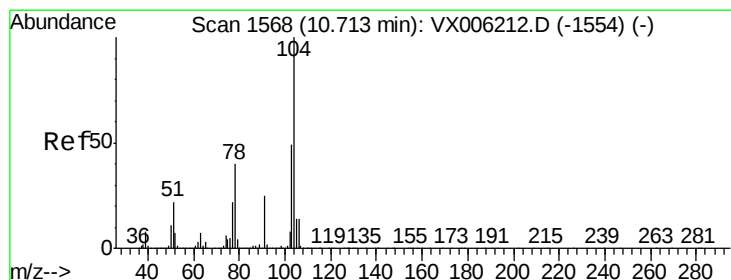
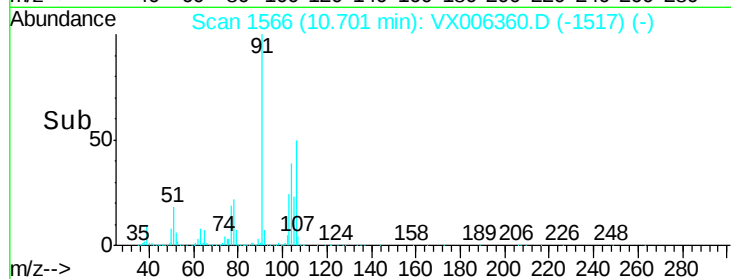
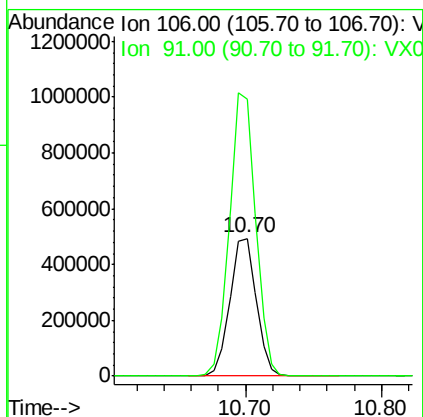
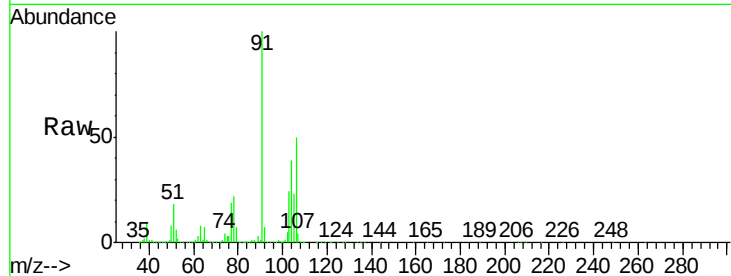
#69
o-Xylene
Concen: 50.263 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	204.3	101.8	305.6

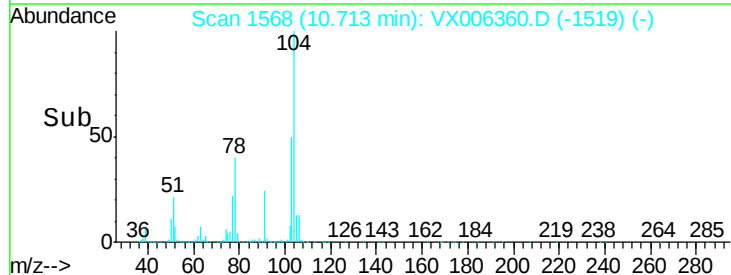
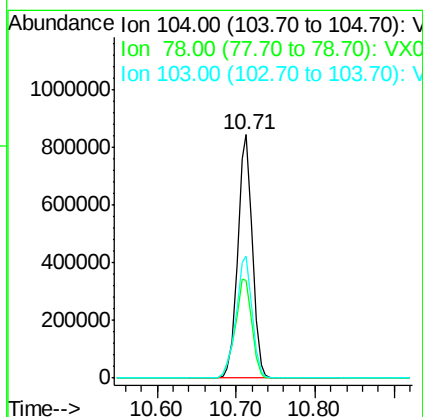
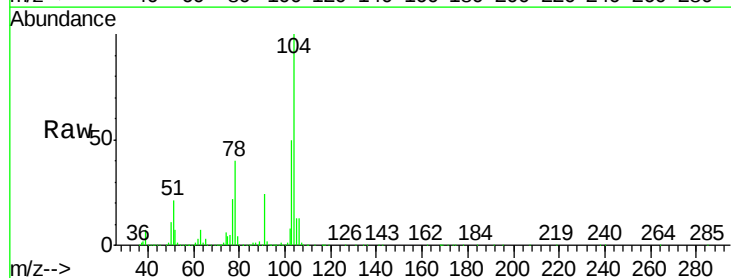
Manual Integrations
APPROVED

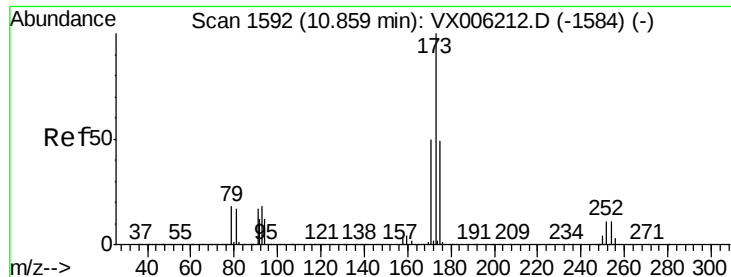
MMDadoda
12/11/2018 10:54:39 AM



#70
Styrene
Concen: 50.828 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.3	37.2	55.8
103	54.9	43.5	65.3





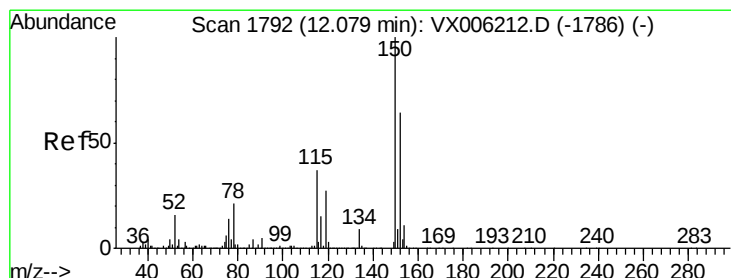
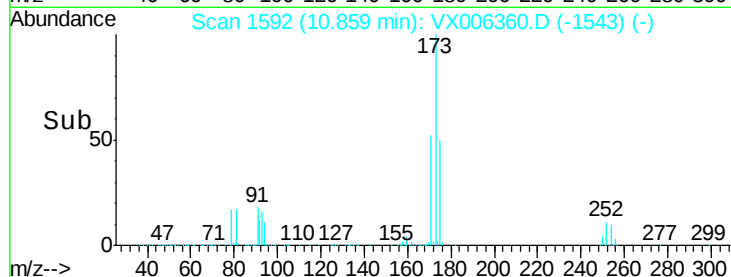
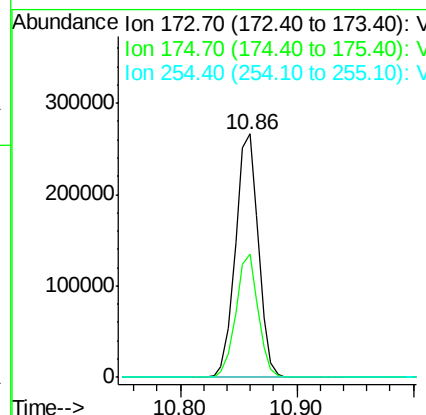
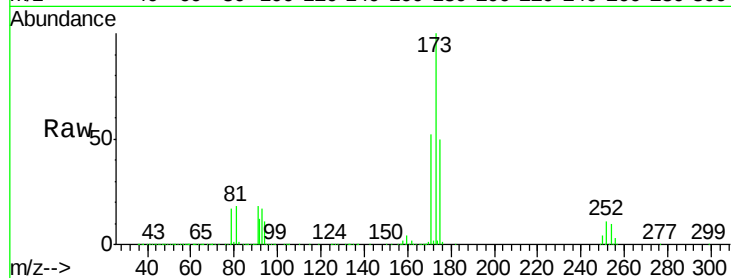
#71
Bromoform
Concen: 49.202 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.6	73.8
254	0.2	0.2	0.2

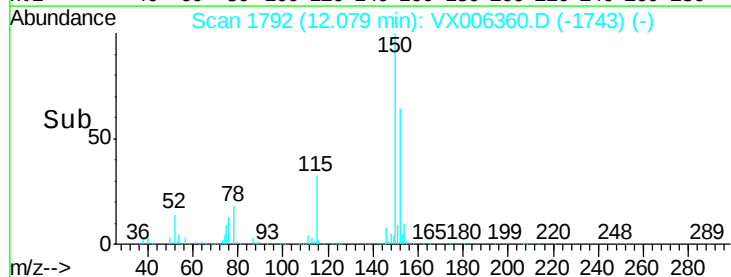
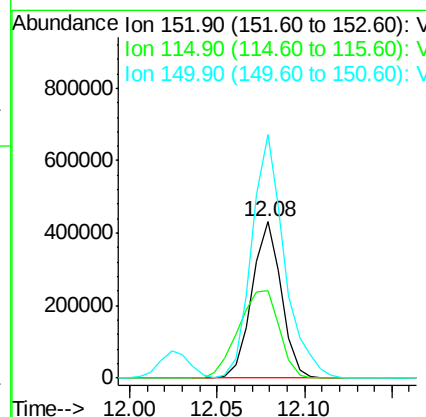
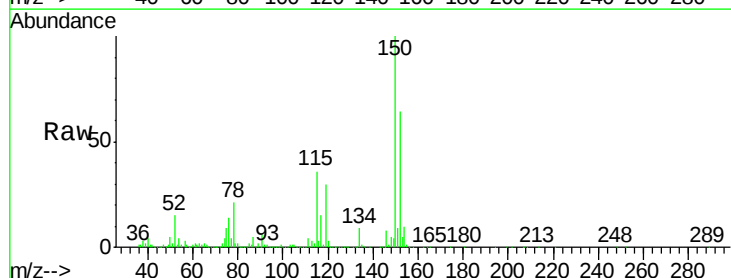
Manual Integrations
APPROVED

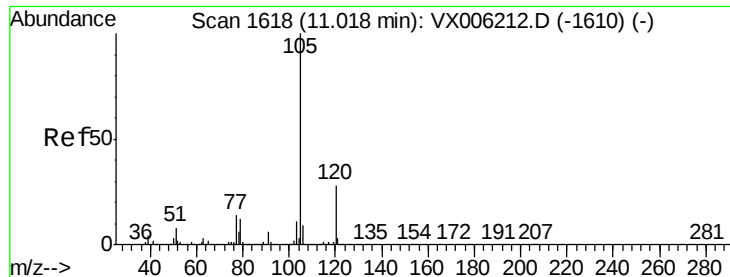
MMDadoda
12/11/2018 10:54:39 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.2	39.0	116.9
150	173.2	0.0	345.8





#73

Isopropylbenzene

Concen: 51.263 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1775688

Ion Ratio Lower Upper

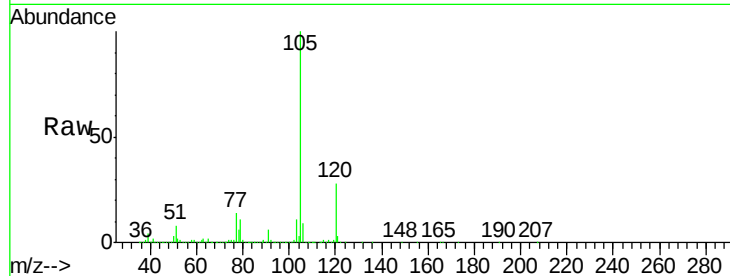
105 100

120 28.3 14.1 42.3

Manual Integrations
APPROVED

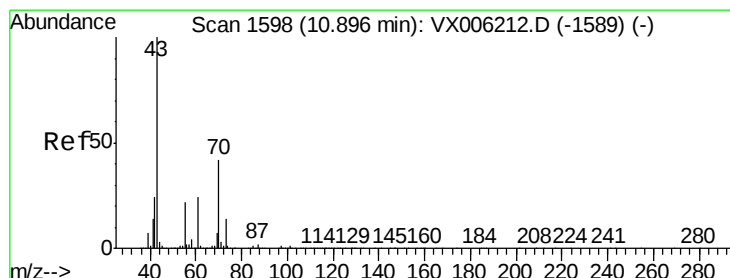
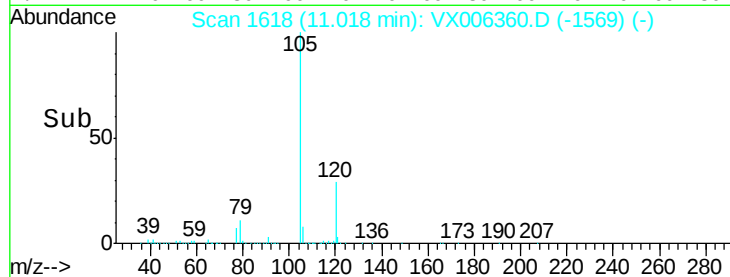
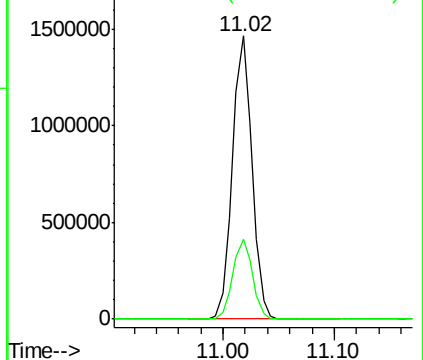
MMDadoda

12/11/2018 10:54:39 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: 45.206 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Tgt Ion: 43 Resp: 674291

Ion Ratio Lower Upper

43 100

70 44.3 34.1 51.1

55 23.4 17.8 26.8

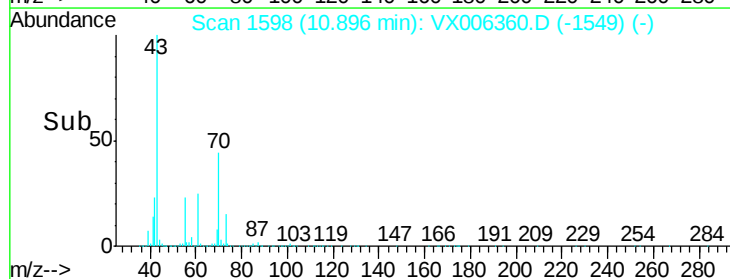
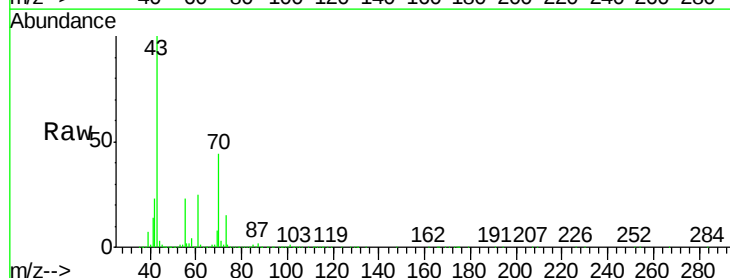
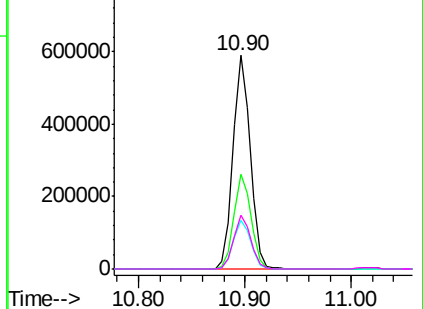
61 25.1 19.7 29.5

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: 47.338 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 524580

Ion Ratio Lower Upper

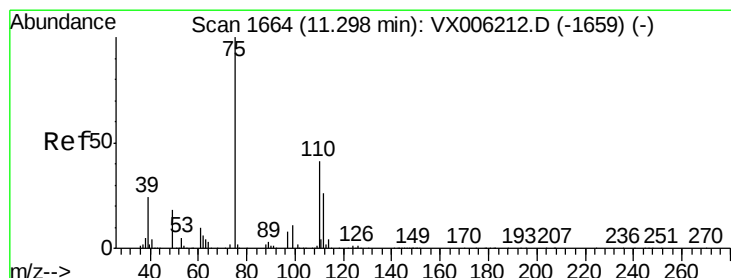
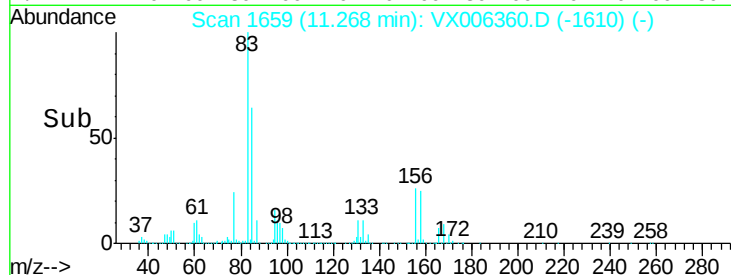
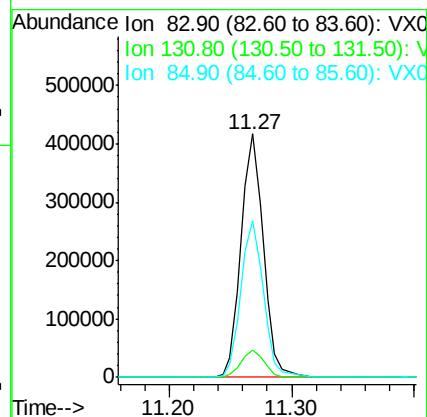
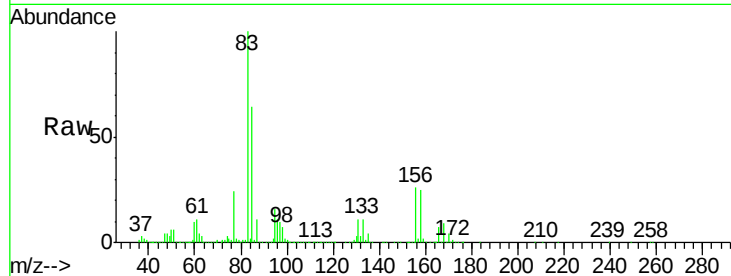
83 100

131 11.7 5.7 17.1

85 65.3 32.1 96.5

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:39 AM



#76

1,2,3-Trichloropropane

Concen: 52.572 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX006360.D

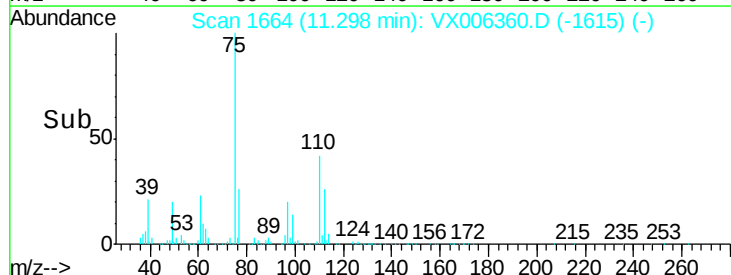
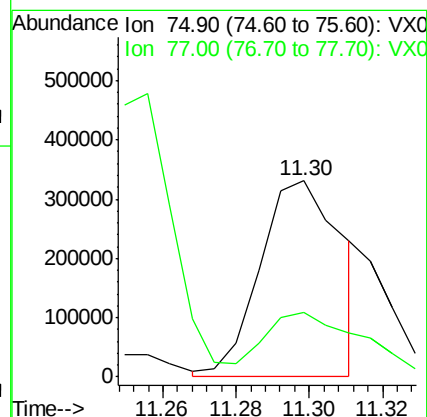
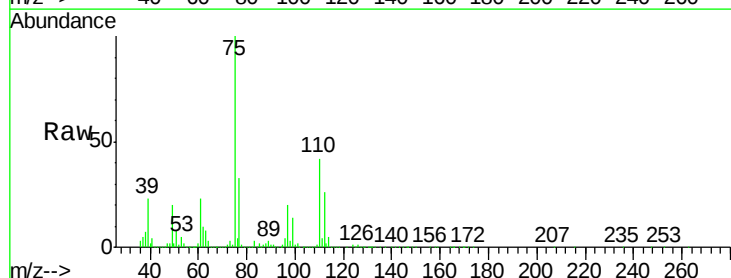
Acq: 10 Dec 2018 10:37

Tgt Ion: 75 Resp: 508969

Ion Ratio Lower Upper

75 100

77 39.3 19.9 59.7





#77

Bromobenzene

Concen: 50.793 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Instrument :

MSVOA_X

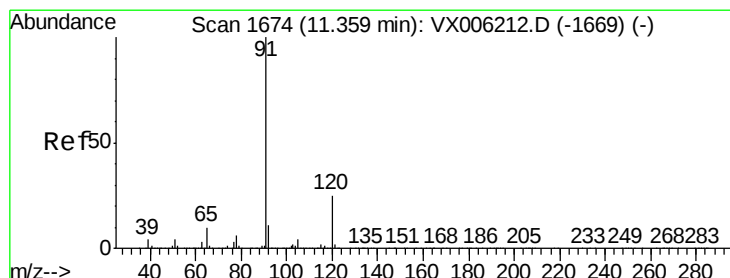
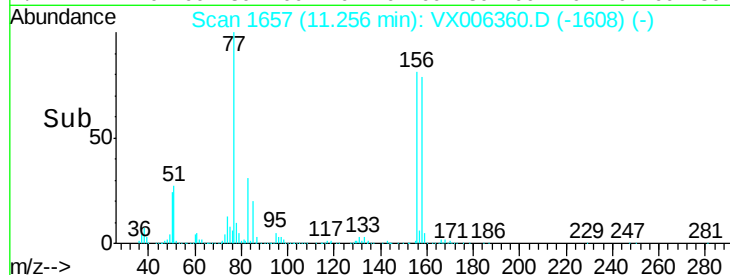
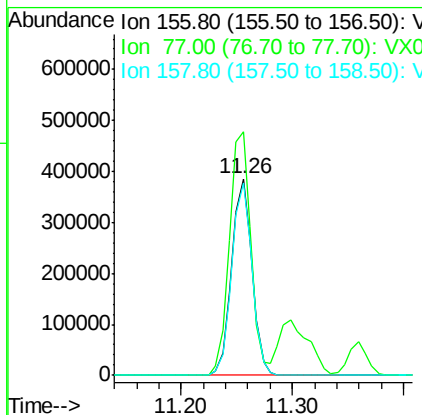
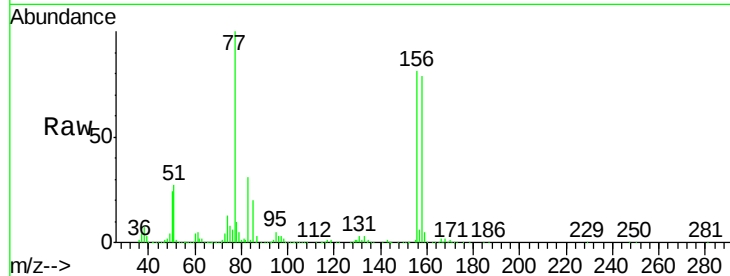
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	131.1	66.2	198.6
158	97.6	48.8	146.4

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:39 AM



#78

n-propylbenzene

Concen: 51.599 ug/l

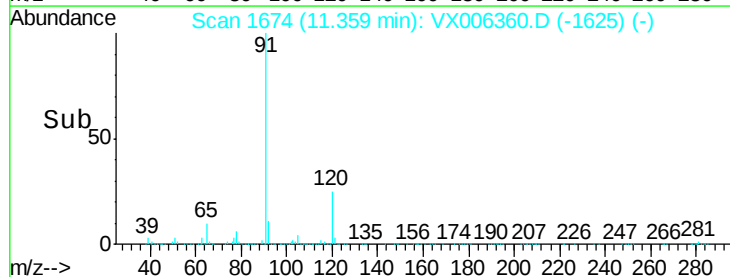
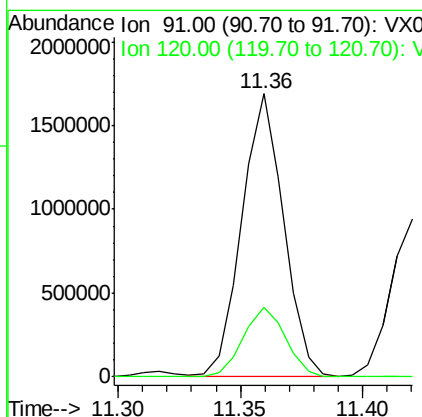
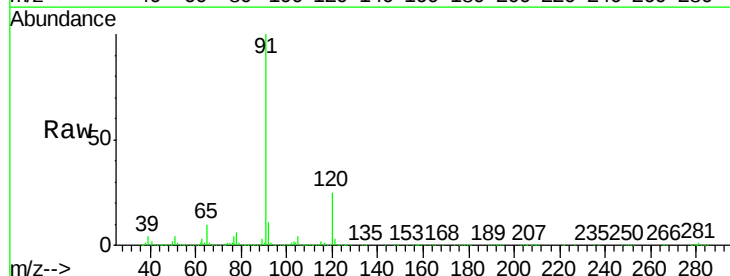
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.3	12.7	38.0





#79

2-Chlorotoluene

Concen: 50.416 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1153788

Ion Ratio Lower Upper

91 100

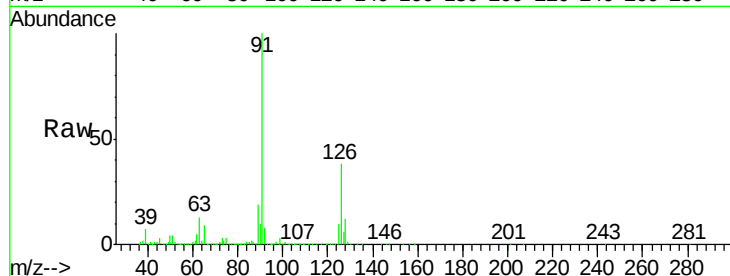
126 38.4 18.6 56.0

Manual Integrations

APPROVED

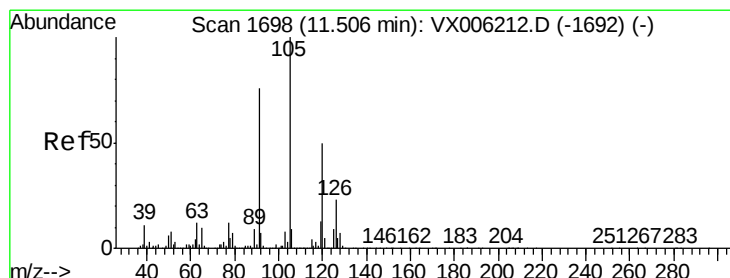
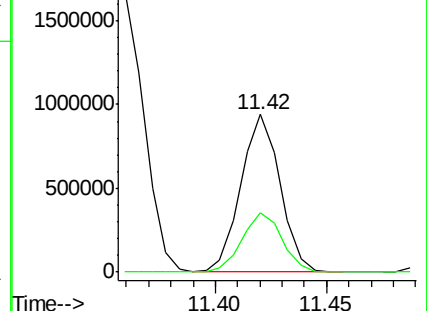
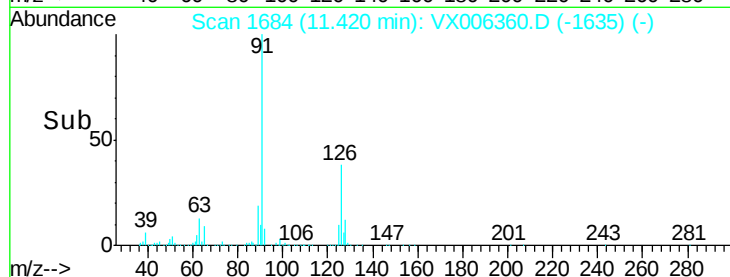
MMDadoda

12/11/2018 10:54:39 AM



Abundance Ion 91.00 (90.70 to 91.70): VX006360.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX006360.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.341 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006360.D

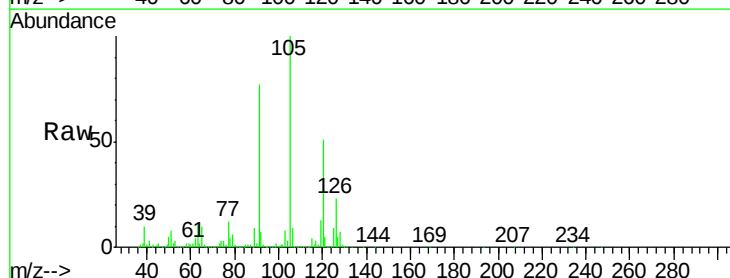
Acq: 10 Dec 2018 10:37

Tgt Ion: 105 Resp: 1479664

Ion Ratio Lower Upper

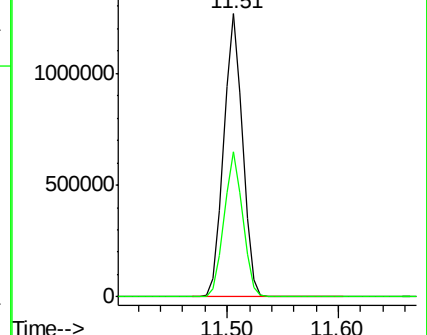
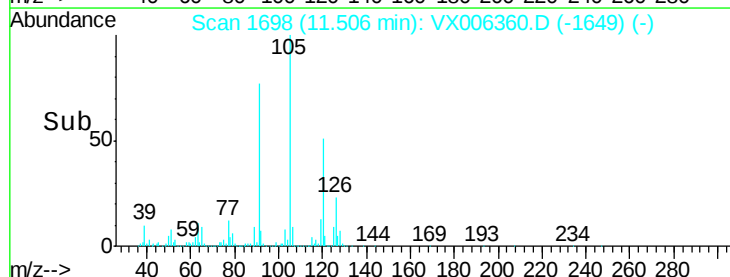
105 100

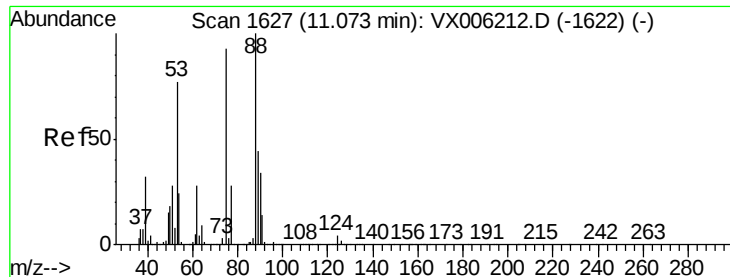
120 50.7 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VX006360.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX006360.D (-1649) (-)





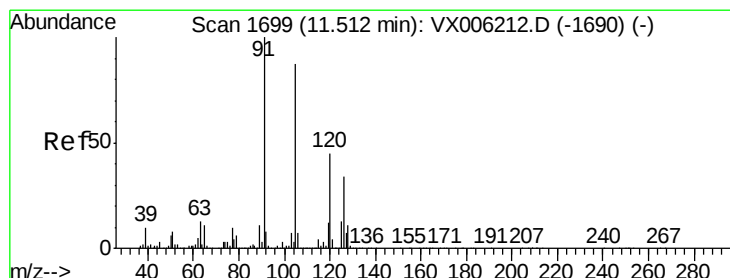
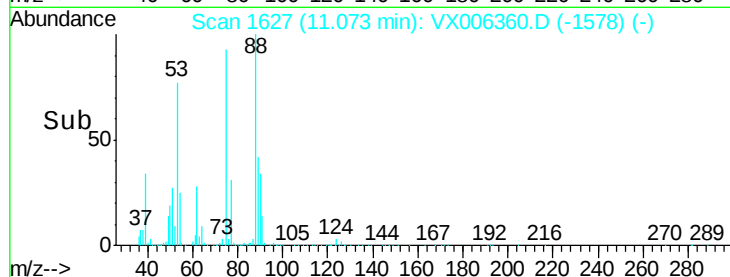
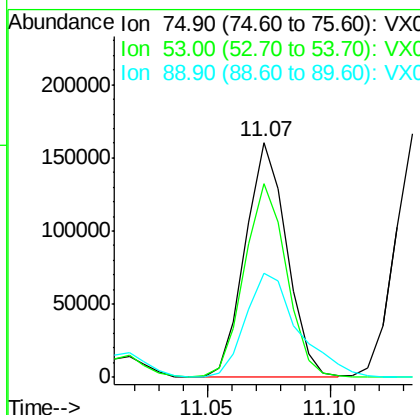
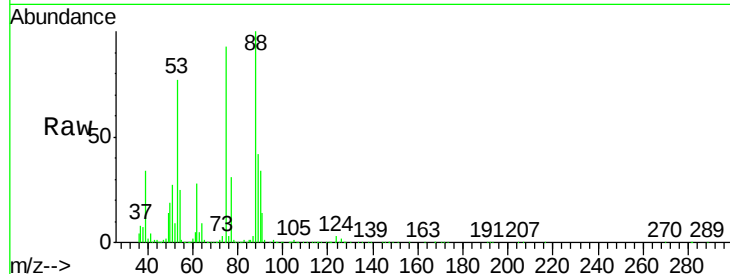
#81
trans-1,4-Dichloro-2-butene
Concen: 45.943 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.3	64.4	96.6
89	56.6	44.2	66.4

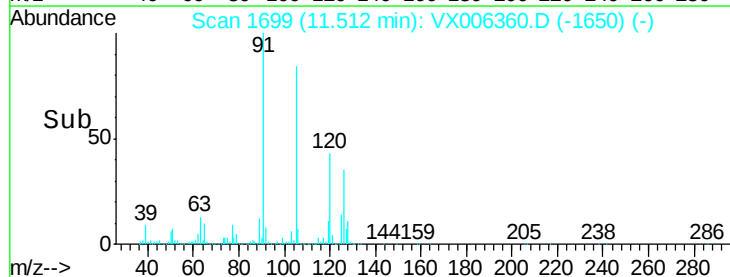
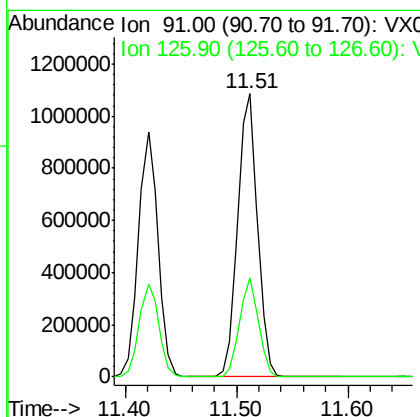
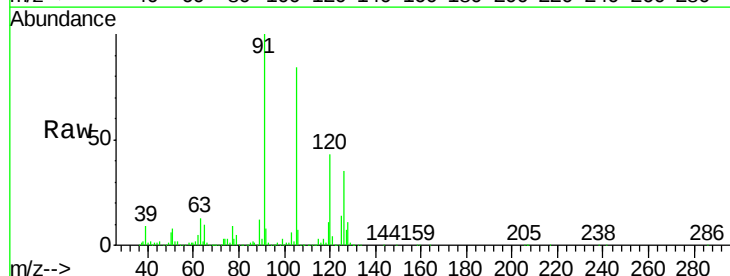
Manual Integrations
APPROVED

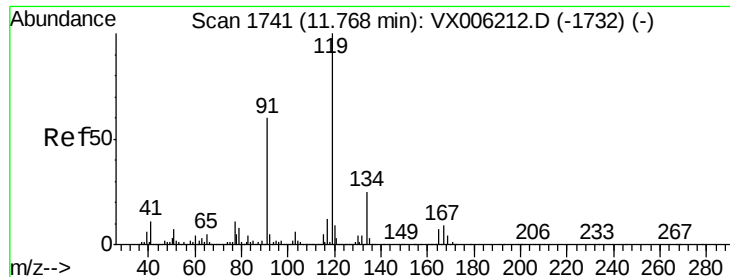
MMDadoda
12/11/2018 10:54:39 AM



#82
4-Chlorotoluene
Concen: 50.311 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.4	49.4





#83

tert-Butylbenzene

Concen: 51.613 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 1587099

Ion Ratio Lower Upper

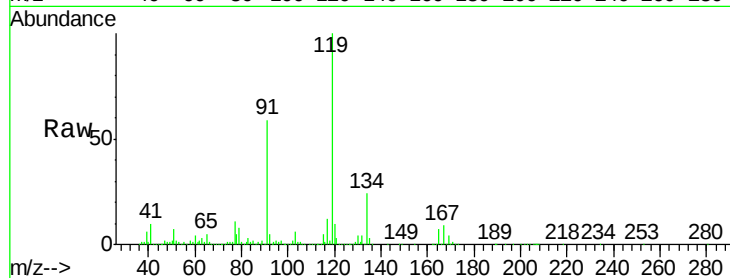
119 100

91 52.3 26.4 79.2

134 23.1 11.6 34.7

Manual Integrations
APPROVED

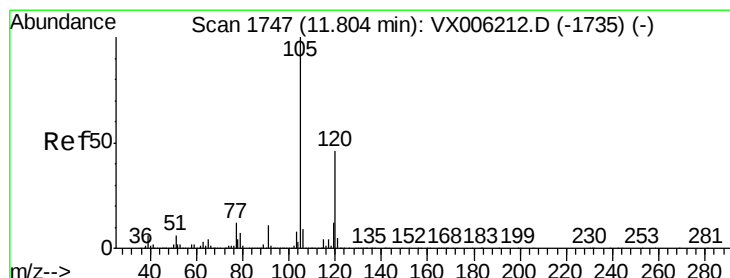
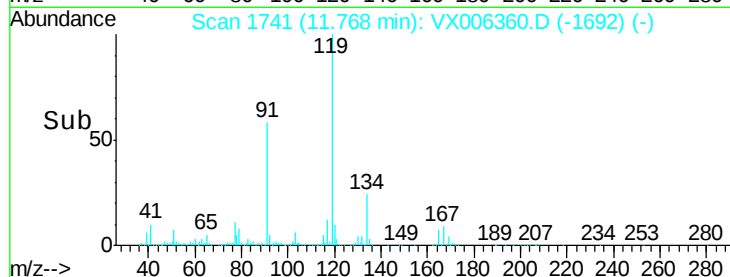
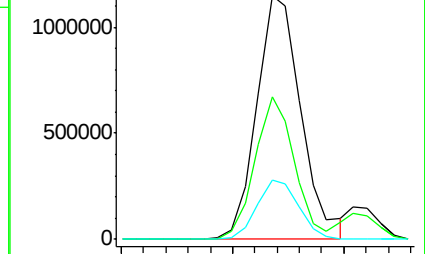
MMDadoda
12/11/2018 10:54:39 AM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.938 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006360.D

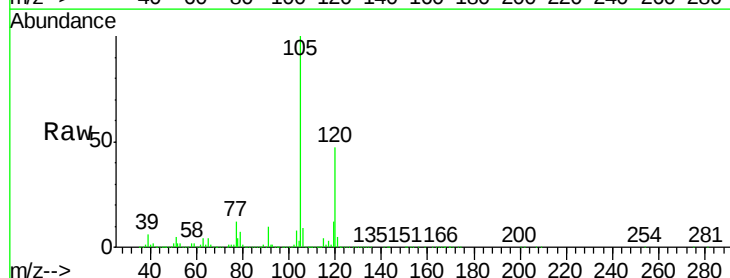
Acq: 10 Dec 2018 10:37

Tgt Ion:105 Resp: 1515898

Ion Ratio Lower Upper

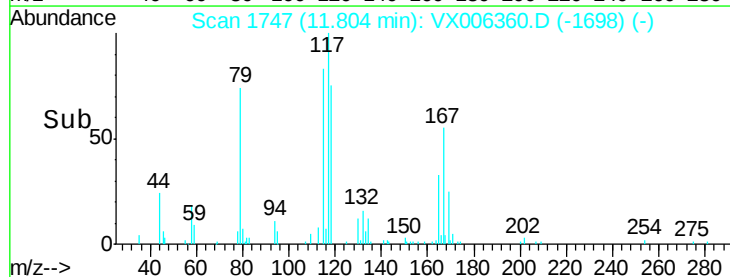
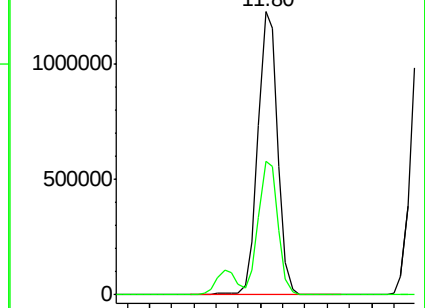
105 100

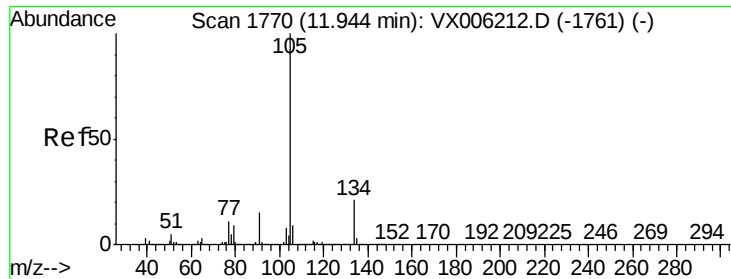
120 47.0 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.018 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1819737

Ion Ratio Lower Upper

105 100

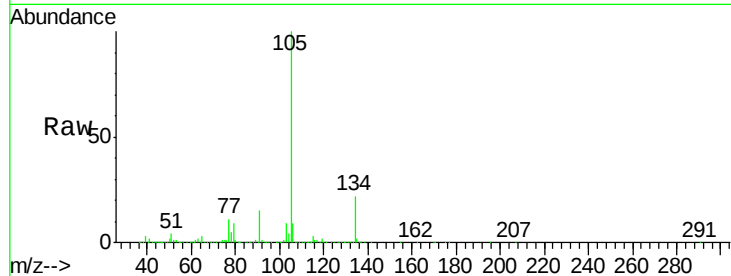
134 22.0 10.8 32.4

Manual Integrations

APPROVED

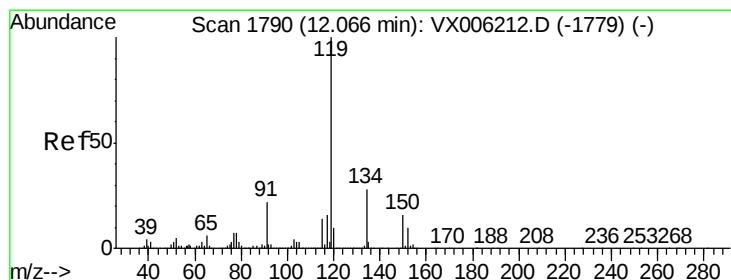
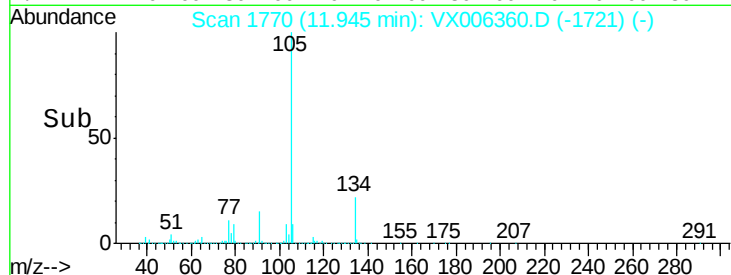
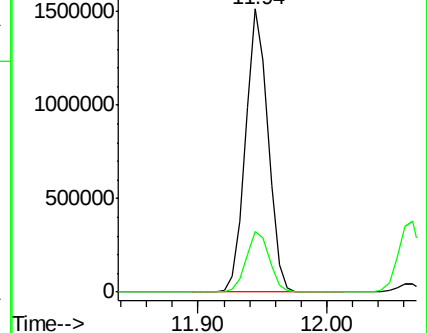
MMDadoda

12/11/2018 10:54:39 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.915 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

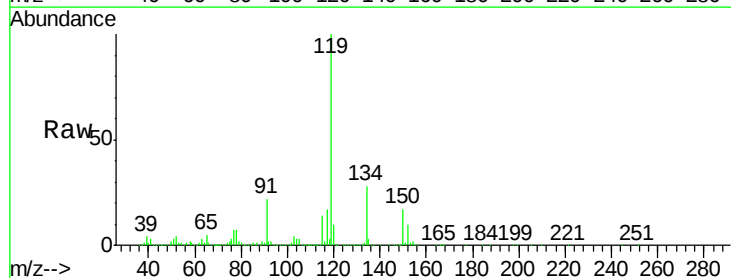
Tgt Ion:119 Resp: 1666847

Ion Ratio Lower Upper

119 100

134 27.7 13.9 41.6

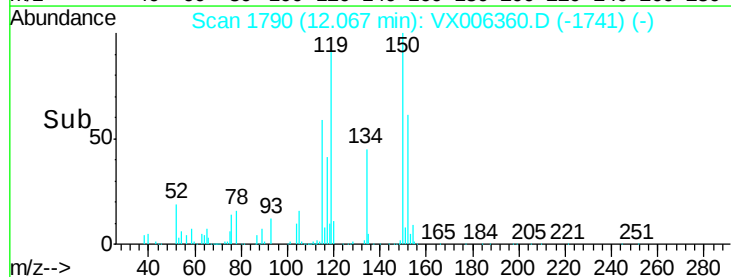
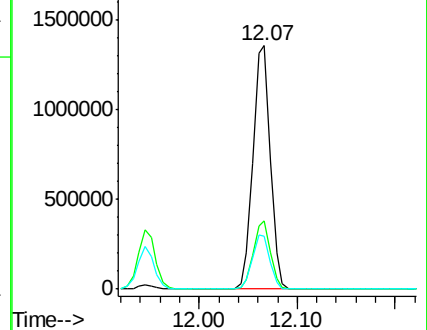
91 22.5 11.3 33.8

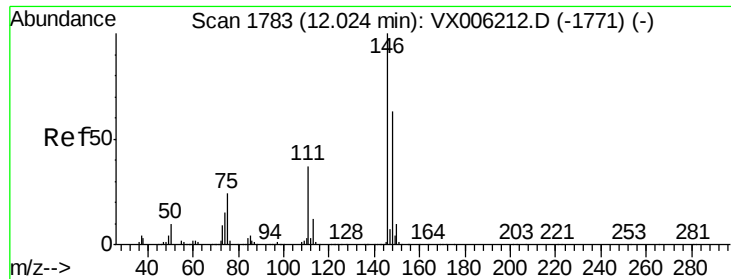


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





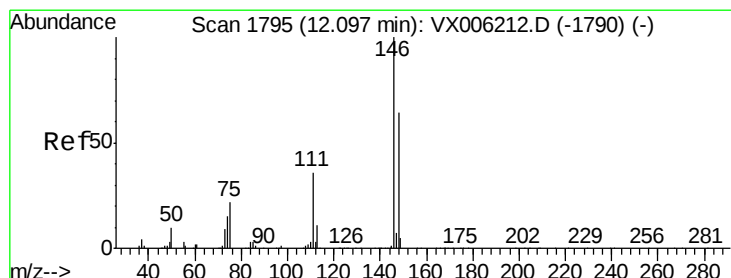
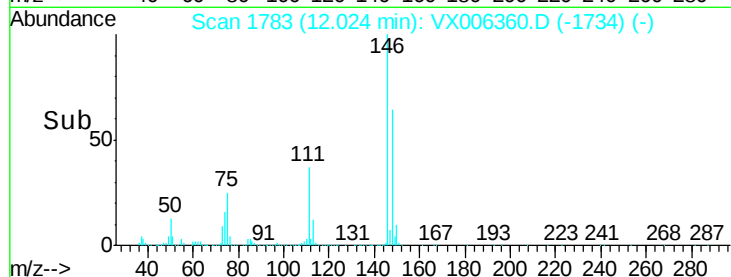
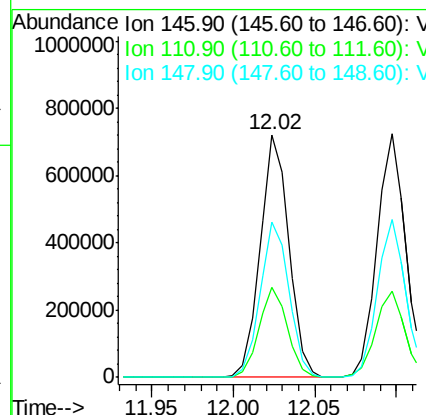
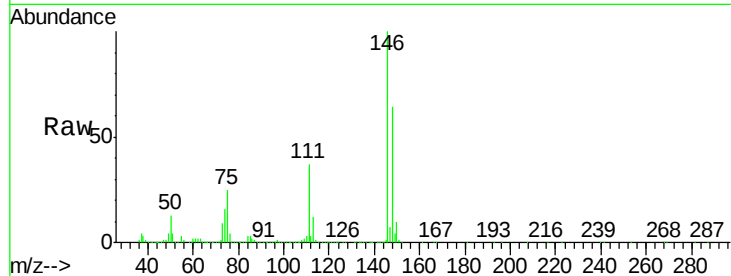
#87
 1,3-Dichlorobenzene
 Concen: 51.518 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006360.D
 Acq: 10 Dec 2018 10:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	881198		
111	36.6	18.4	55.2	
148	64.3	32.0	96.0	

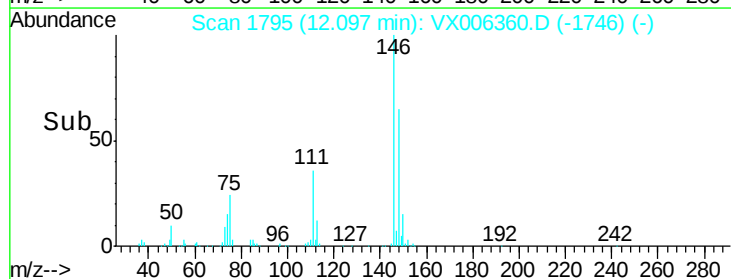
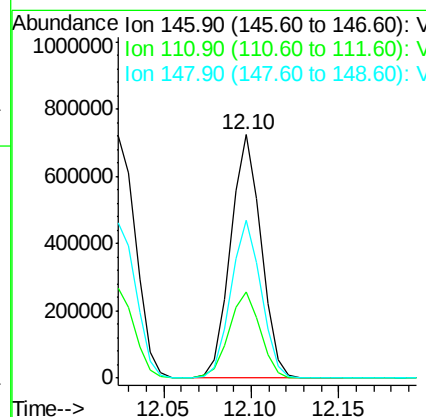
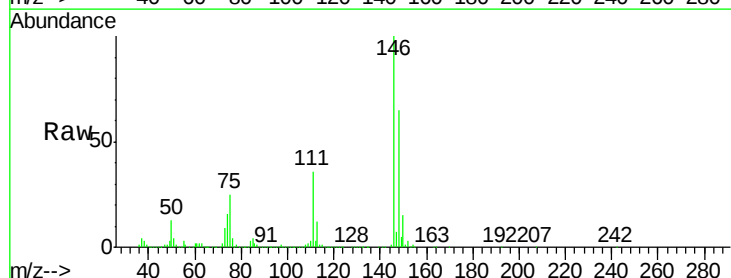
Manual Integrations
 APPROVED

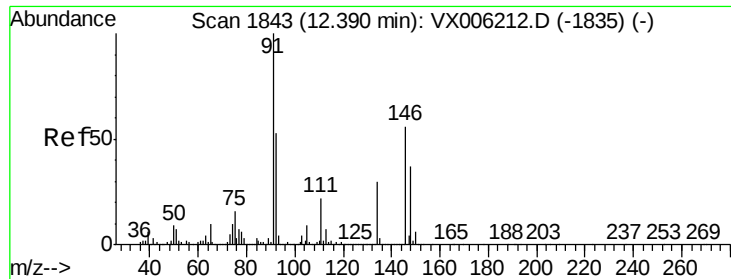
MMDadoda
 12/11/2018 10:54:39 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.572 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006360.D
 Acq: 10 Dec 2018 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	877980		
111	36.1	18.3	54.8	
148	64.4	31.9	95.9	





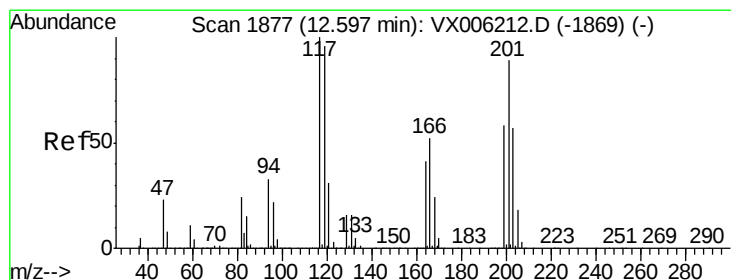
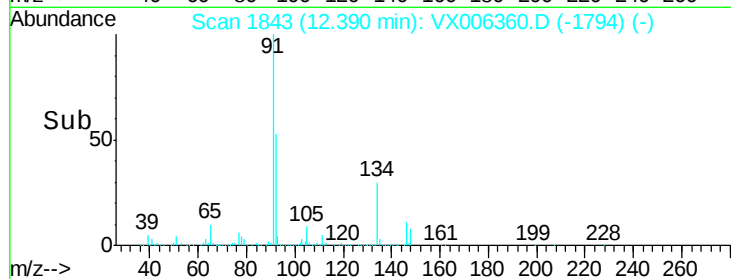
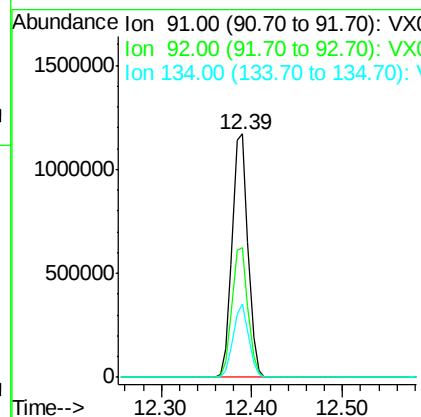
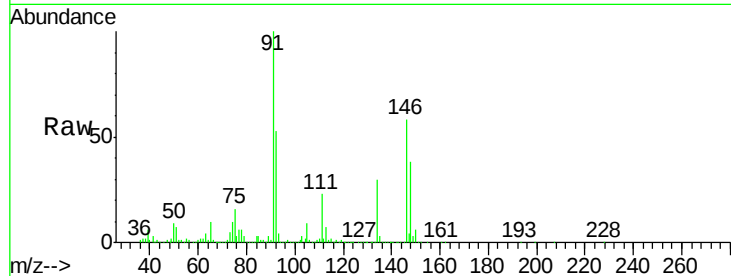
#89
n-Butylbenzene
Concen: 52.920 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1422358
Ion Ratio Lower Upper
91 100
92 53.5 26.6 79.8
134 29.4 14.8 44.3

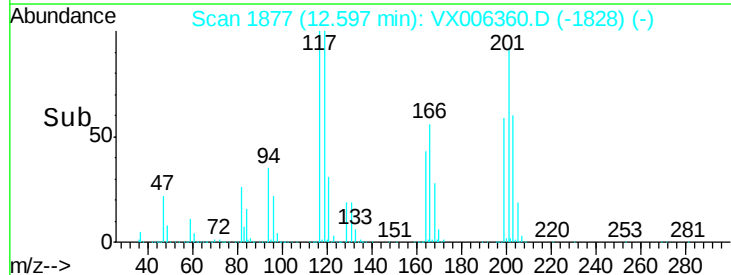
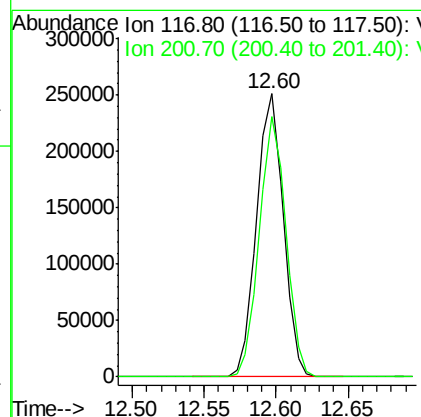
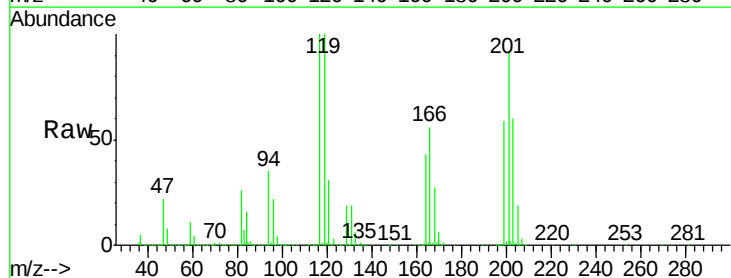
Manual Integrations
APPROVED

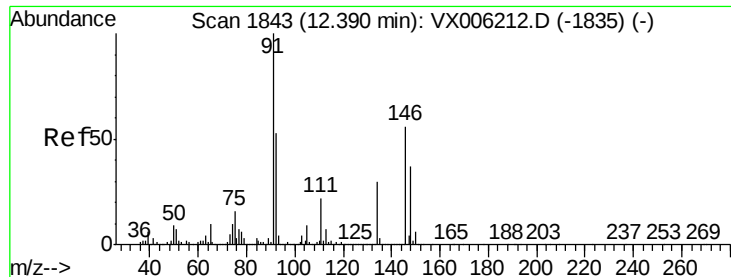
MMDadoda
12/11/2018 10:54:39 AM



#90
Hexachloroethane
Concen: 49.979 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Tgt Ion: 117 Resp: 320873
Ion Ratio Lower Upper
117 100
201 91.4 44.7 134.1





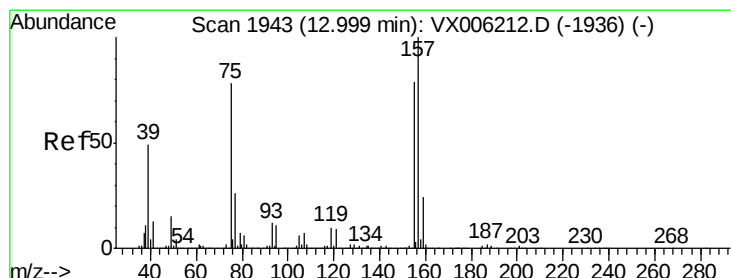
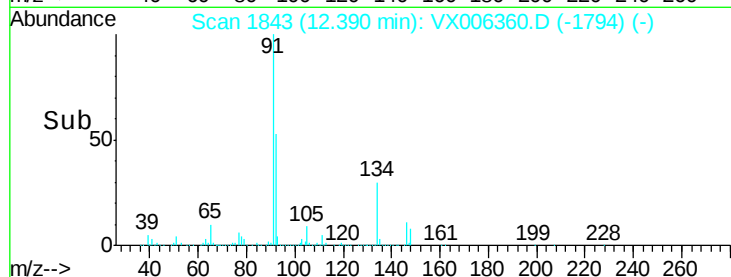
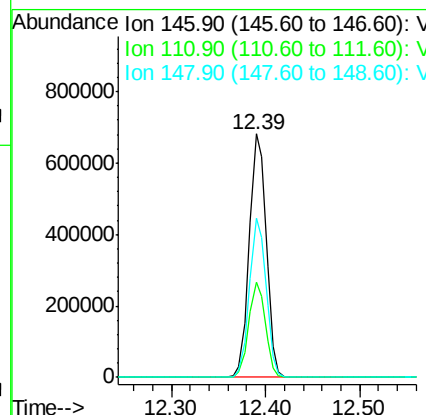
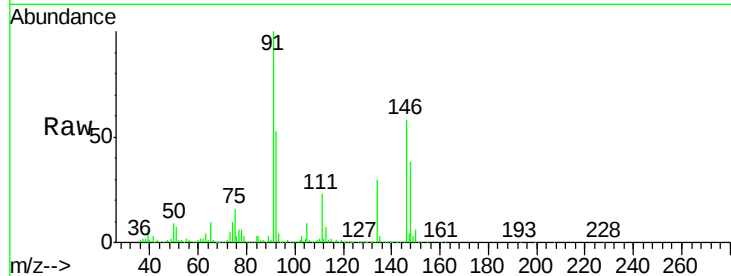
#91
 1,2-Dichlorobenzene
 Concen: 50.350 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX006360.D
 Acq: 10 Dec 2018 10:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.3
148	64.4	32.1	96.3

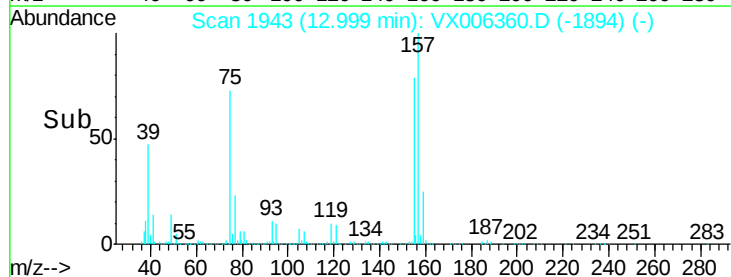
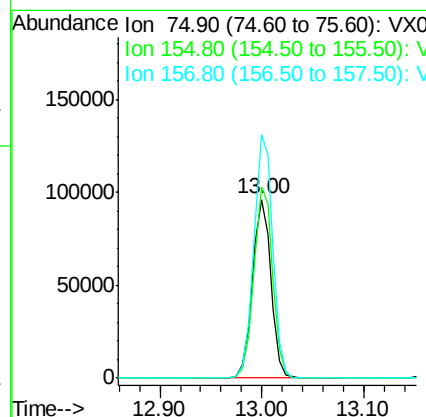
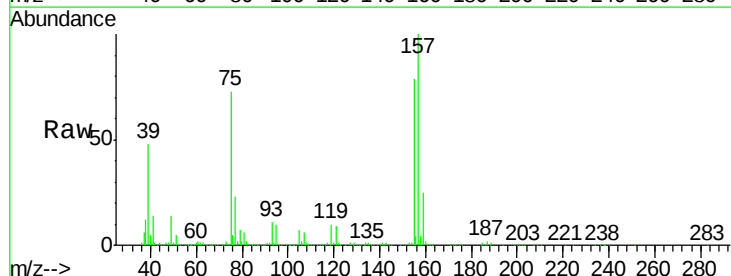
Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 10:54:39 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.904 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX006360.D
 Acq: 10 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	109.2	53.4	160.3
157	139.3	68.0	203.8





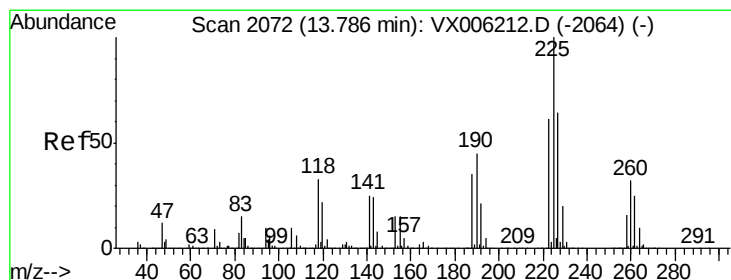
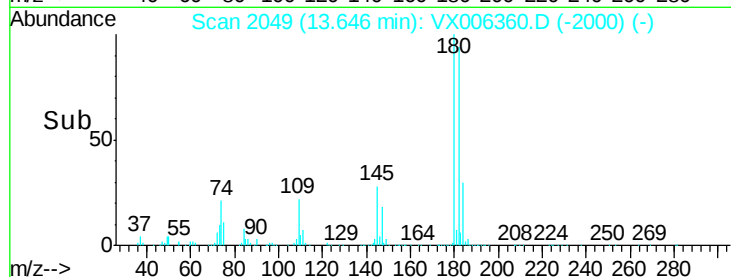
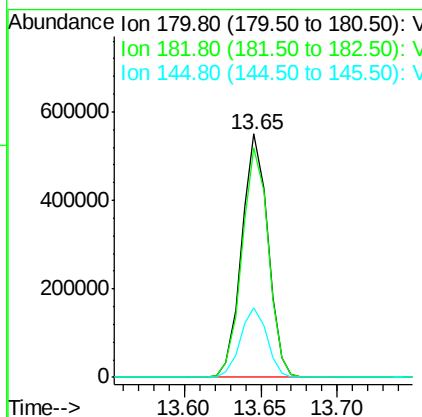
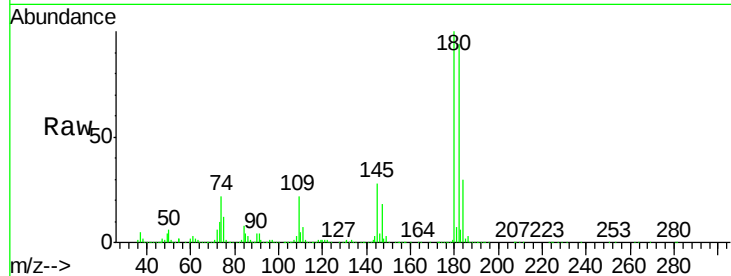
#93
1,2,4-Trichlorobenzene
Concen: 52.753 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	653335		
182	95.2	47.3	141.9	
145	28.9	14.6	43.8	

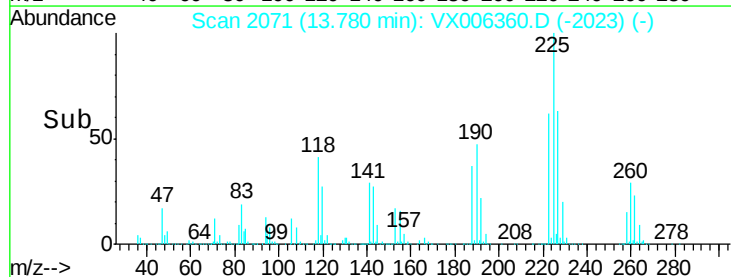
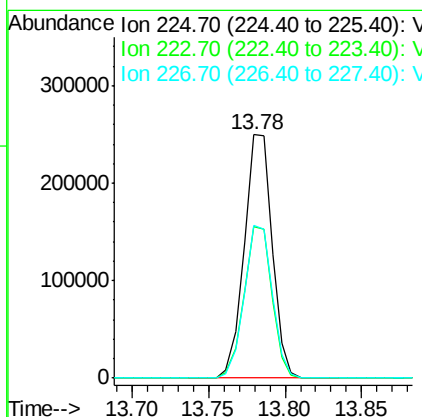
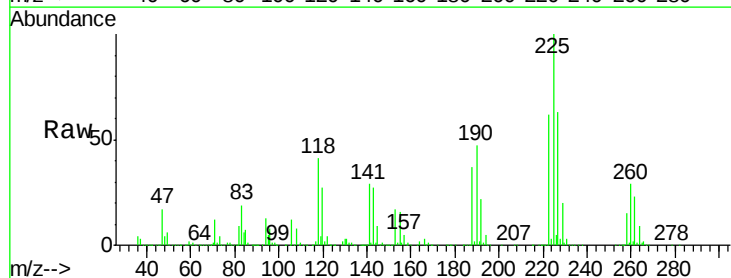
Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:39 AM



#94
Hexachlorobutadiene
Concen: 57.841 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.01 min
Lab File: VX006360.D
Acq: 10 Dec 2018 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	316798		
223	62.3	31.2	93.6	
227	62.9	31.9	95.5	





#95

Naphthalene

Concen: 49.721 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1915481

Ion Ratio Lower Upper

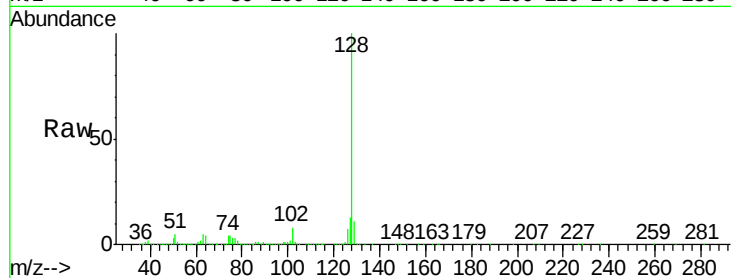
128 100

127 12.8 10.2 15.4

129 10.9 8.9 13.3

Manual Integrations
APPROVED

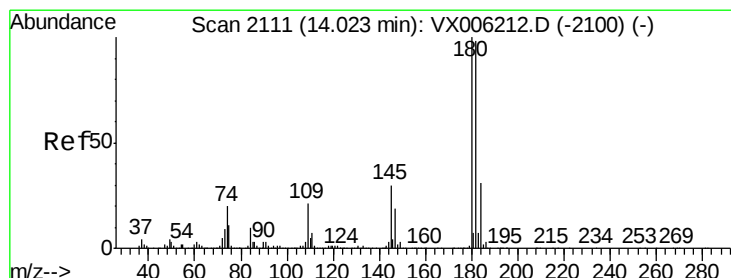
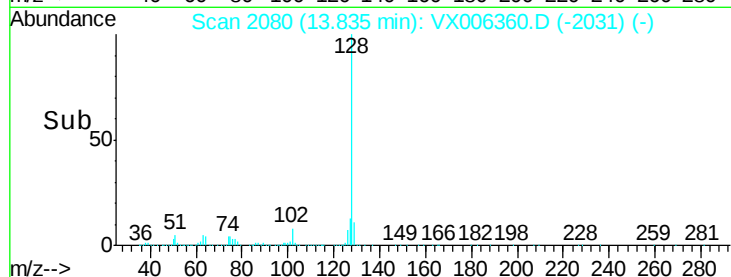
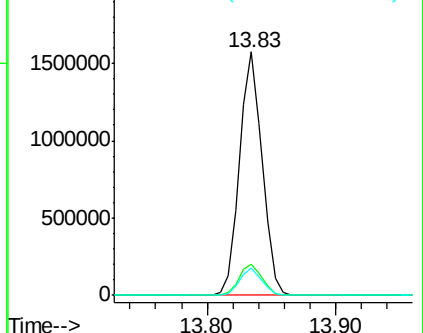
MMDadoda
12/11/2018 10:54:39 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.097 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX006360.D

Acq: 10 Dec 2018 10:37

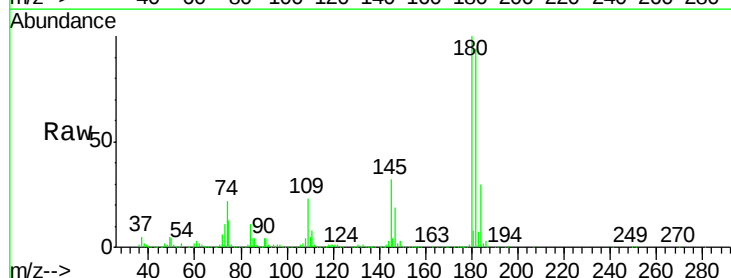
Tgt Ion:180 Resp: 639064

Ion Ratio Lower Upper

180 100

182 95.8 48.4 145.2

145 31.0 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

