

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092618\
 Data File : VX004761.D
 Acq On : 27 Sep 2018 08:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 12:51:20 PM

Quant Time: Sep 27 09:08:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	301691	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.87	114	457824	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	418038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	248649	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	208338	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
35) Dibromofluoromethane	5.51	113	173627	44.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.50%	
50) Toluene-d8	8.72	98	650313	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	11.14	95	239969	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	252406	61.361	ug/l	90
3) Chloromethane	1.33	50	247144	49.522	ug/l	99
4) Vinyl Chloride	1.41	62	250356	53.487	ug/l	95
5) Bromomethane	1.64	94	115522	41.620	ug/l	100
6) Chloroethane	1.72	64	152554	60.283	ug/l	98
7) Trichlorofluoromethane	1.93	101	308835	53.296	ug/l	96
8) Diethyl Ether	2.19	74	133506	53.034	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	177067	53.643	ug/l	96
10) Methyl Iodide	2.51	142	150081	33.978	ug/l	99
11) Tert butyl alcohol	3.07	59	302027	250.640	ug/l	99
12) 1,1-Dichloroethene	2.37	96	180001	55.064	ug/l	91
13) Acrolein	2.30	56	103109	120.262	ug/l	95
14) Allyl chloride	2.73	41	360680	50.569	ug/l	93
15) Acrylonitrile	3.15	53	684784	258.145	ug/l	98
16) Acetone	2.45	43	590240	234.589	ug/l	100
17) Carbon Disulfide	2.57	76	526849	53.636	ug/l	99
18) Methyl Acetate	2.78	43	330638	51.867	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	623096	55.260	ug/l	96
20) Methylene Chloride	2.86	84	198459	54.322	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	185503	51.839	ug/l	84
22) Diisopropyl ether	3.87	45	691600	57.583	ug/l	93
23) Vinyl Acetate	3.82	43	2924486	266.009	ug/l	99
24) 1,1-Dichloroethane	3.69	63	361885	50.511	ug/l	96
25) 2-Butanone	4.70	43	924561	249.292	ug/l	92
26) 2,2-Dichloropropane	4.59	77	157106	31.491	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	208269	52.099	ug/l	97
28) Bromochloromethane	5.02	49	167135	49.539	ug/l	93
29) Tetrahydrofuran	5.16	42	631398	273.911	ug/l	94
30) Chloroform	5.21	83	338665	50.016	ug/l	97
31) Cyclohexane	5.57	56	329718	60.130	ug/l	89
32) 1,1,1-Trichloroethane	5.50	97	290105	52.462	ug/l	99
36) 1,1-Dichloropropene	5.80	75	248055	46.857	ug/l	99
37) Ethyl Acetate	4.86	43	341754	48.633	ug/l	98
38) Carbon Tetrachloride	5.79	117	246869	44.362	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092618\
 Data File : VX004761.D
 Acq On : 27 Sep 2018 08:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 12:51:20 PM

Quant Time: Sep 27 09:08:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	300721	55.631	ug/l	97
40) Benzene	6.15	78	761011	45.917	ug/l	100
41) Methacrylonitrile	5.06	41	185382	47.569	ug/l	97
42) 1,2-Dichloroethane	6.20	62	262254	44.761	ug/l	98
43) Isopropyl Acetate	6.46	43	529131	52.169	ug/l	96
44) Trichloroethene	7.21	130	204996	50.314	ug/l	95
45) 1,2-Dichloropropane	7.52	63	202569	49.840	ug/l	100
46) Dibromomethane	7.66	93	128168	50.177	ug/l	98
47) Bromodichloromethane	7.90	83	243893	50.999	ug/l	99
48) Methyl methacrylate	7.78	41	253723	55.114	ug/l	95
49) 1,4-Dioxane	7.76	88	111725	976.862	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	1695343	265.467	ug/l	97
52) Toluene	8.79	92	469558	51.560	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	261481	48.385	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	282462	49.900	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	191697	48.055	ug/l	97
56) Ethyl methacrylate	9.18	69	318172	49.200	ug/l	96
57) 1,3-Dichloropropane	9.37	76	320381	48.256	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	846930	246.605	ug/l	94
59) 2-Hexanone	9.50	43	1340517	251.892	ug/l	95
60) Dibromochloromethane	9.59	129	198802	49.832	ug/l	100
61) 1,2-Dibromoethane	9.68	107	201786	47.233	ug/l	99
64) Tetrachloroethene	9.34	164	206357	50.155	ug/l	97
65) Chlorobenzene	10.14	112	523559	48.841	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	186240	49.419	ug/l	99
67) Ethyl Benzene	10.26	91	899495	52.853	ug/l	98
68) m/p-Xylenes	10.36	106	695648	104.601	ug/l	96
69) o-Xylene	10.70	106	337849	55.309	ug/l	96
70) Styrene	10.71	104	566569	49.609	ug/l	97
71) Bromoform	10.86	173	163156	50.569	ug/l #	100
73) Isopropylbenzene	11.02	105	894114	57.049	ug/l	99
74) N-amyl acetate	10.90	43	451004	52.272	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	314170	49.244	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	280961m	50.414	ug/l	
77) Bromobenzene	11.26	156	241087	52.960	ug/l	98
78) n-propylbenzene	11.36	91	1029552	57.253	ug/l	100
79) 2-Chlorotoluene	11.42	91	609425	54.370	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	761398	53.017	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	80912	40.010	ug/l	96
82) 4-Chlorotoluene	11.51	91	720372	54.601	ug/l	99
83) tert-Butylbenzene	11.77	119	732484	56.765	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	780277	52.683	ug/l	98
85) sec-Butylbenzene	11.94	105	897694	57.115	ug/l	99
86) p-Isopropyltoluene	12.07	119	806730	56.653	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	439122	51.659	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	443816	50.578	ug/l	99
89) n-Butylbenzene	12.39	91	717331	55.467	ug/l	98
90) Hexachloroethane	12.60	117	124329	52.439	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	443949	49.976	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	72146	51.503	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092618\
Data File : VX004761.D
Acq On : 27 Sep 2018 08:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

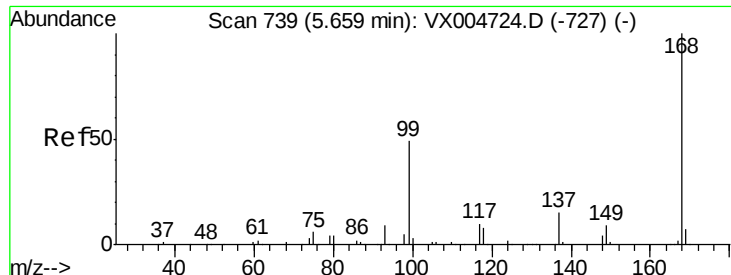
Manual Integrations
APPROVED

MMDadoda
9/27/2018 12:51:20 PM

Quant Time: Sep 27 09:08:50 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 26 14:17:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	335159	53.785	ug/l	99
94) Hexachlorobutadiene	13.79	225	153336	47.453	ug/l	96
95) Naphthalene	13.83	128	1086917	52.515	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	341553	53.060	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 301691

Ion Ratio Lower Upper

168 100

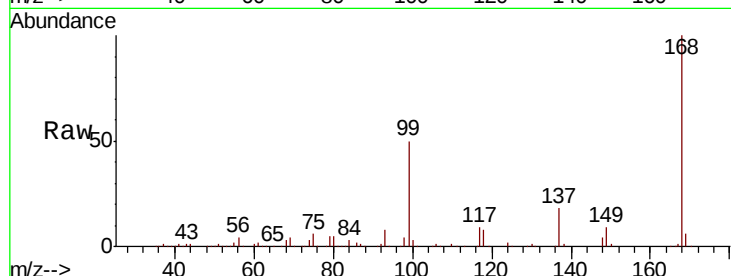
99 50.0 39.9 59.9

Manual Integrations

APPROVED

MMDadoda

9/27/2018 12:51:20 PM

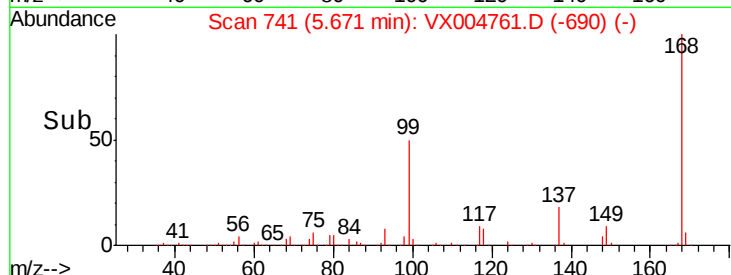


Abundance Ion 167.90 (167.60 to 168.60): V

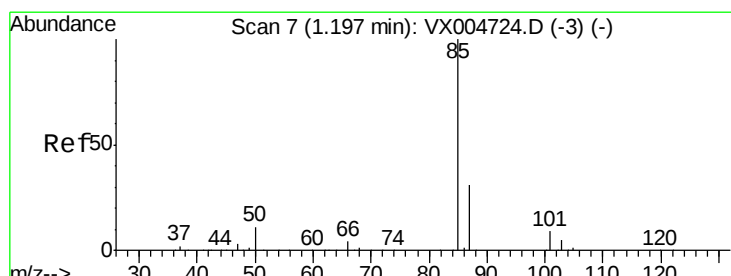
Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 61.361 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX004761.D

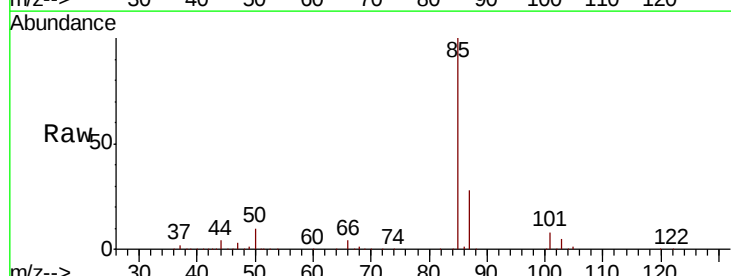
Acq: 27 Sep 2018 08:38

Tgt Ion: 85 Resp: 252406

Ion Ratio Lower Upper

85 100

87 28.1 17.0 50.9

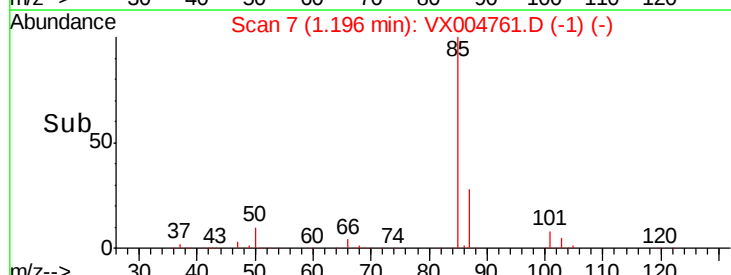


Abundance Ion 84.90 (84.60 to 85.60): VX0

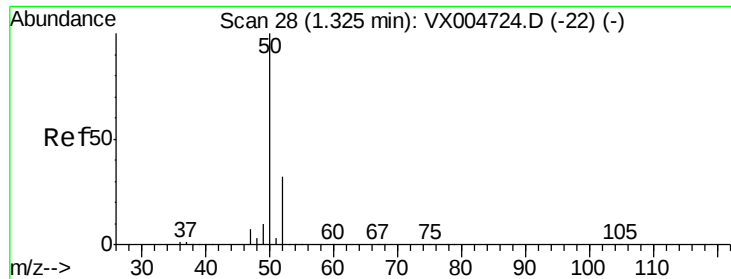
Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->



Time-->



#3

Chloromethane

Concen: 49.522 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 247144

Ion Ratio Lower Upper

50 100

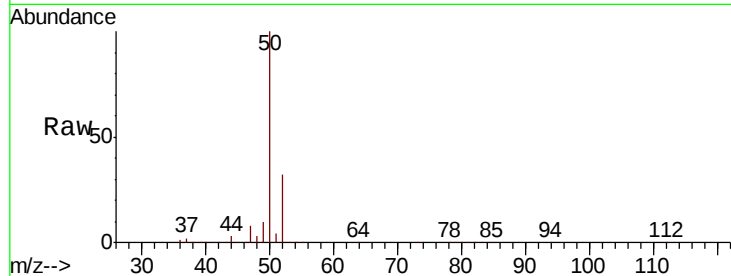
52 32.1 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

9/27/2018 12:51:20 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

250000

200000

150000

100000

50000

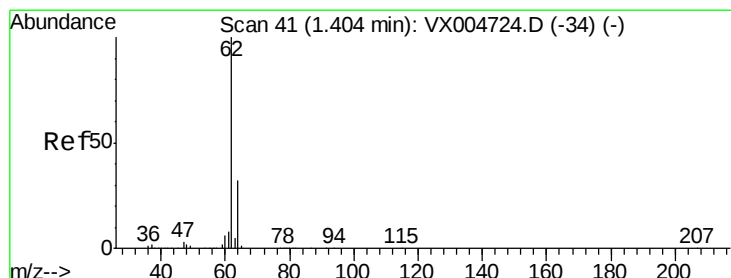
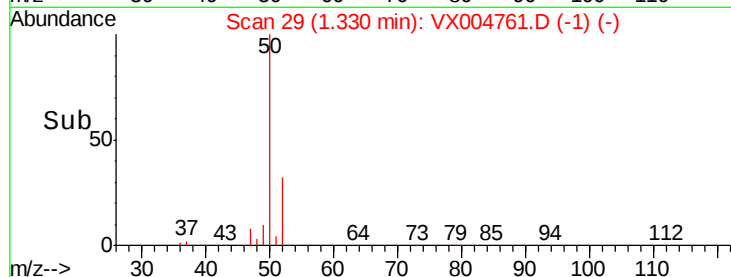
0

1.33

1.35

1.40

Time-->



#4

Vinyl Chloride

Concen: 53.487 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX004761.D

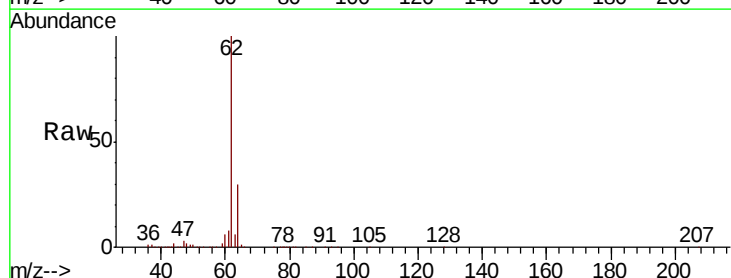
Acq: 27 Sep 2018 08:38

Tgt Ion: 62 Resp: 250356

Ion Ratio Lower Upper

62 100

64 29.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

250000

200000

150000

100000

50000

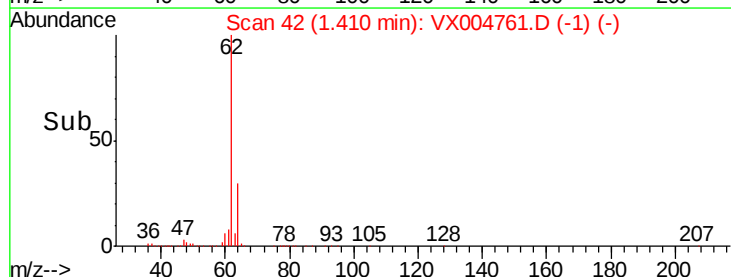
0

1.41

1.40

1.50

Time-->





#5

Bromomethane

Concen: 41.620 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 115522

Ion Ratio Lower Upper

94 100

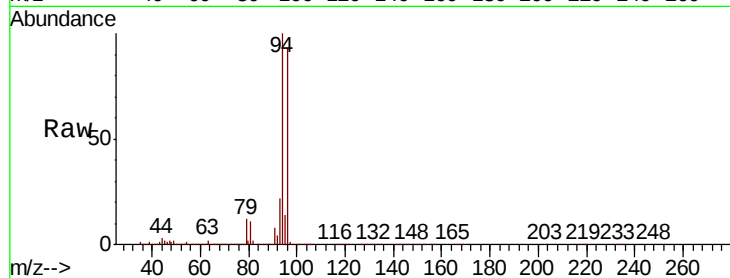
96 93.1 74.5 111.7

Manual Integrations

APPROVED

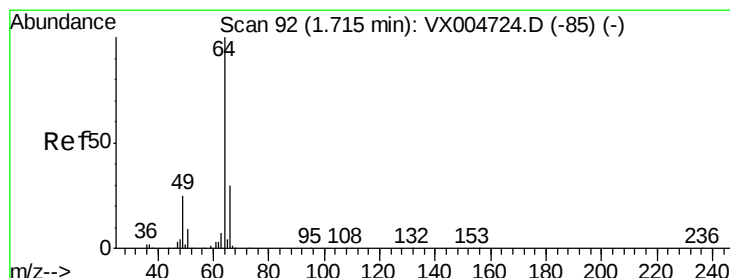
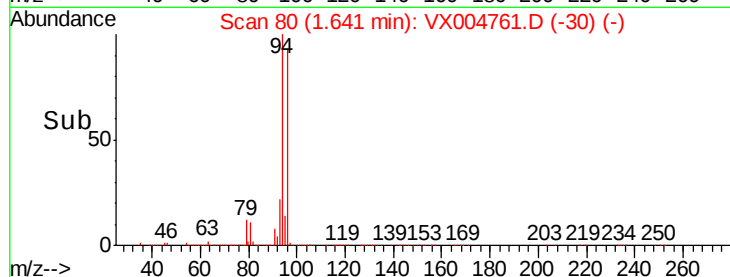
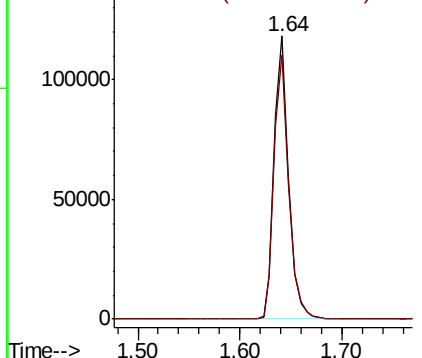
MMDadoda

9/27/2018 12:51:20 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 60.283 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004761.D

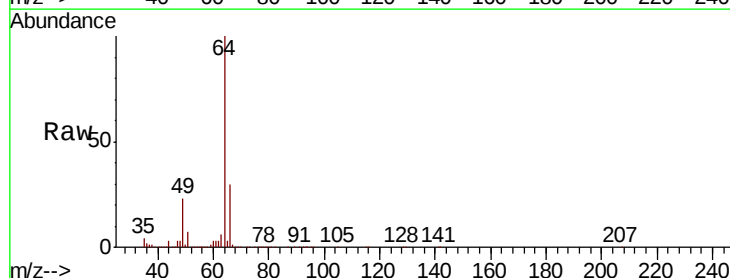
Acq: 27 Sep 2018 08:38

Tgt Ion: 64 Resp: 152554

Ion Ratio Lower Upper

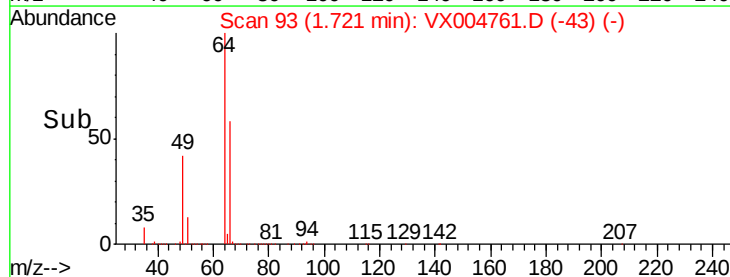
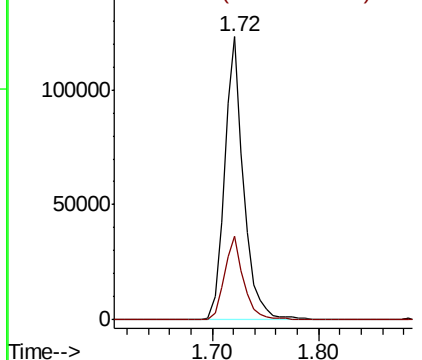
64 100

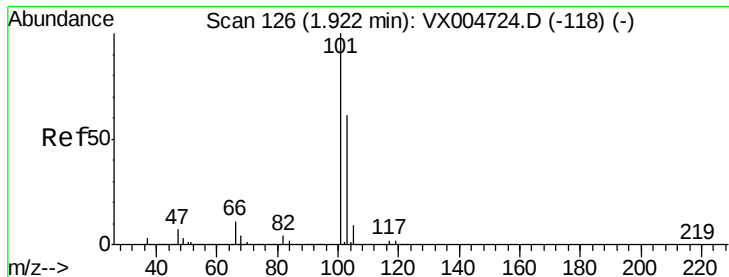
66 29.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

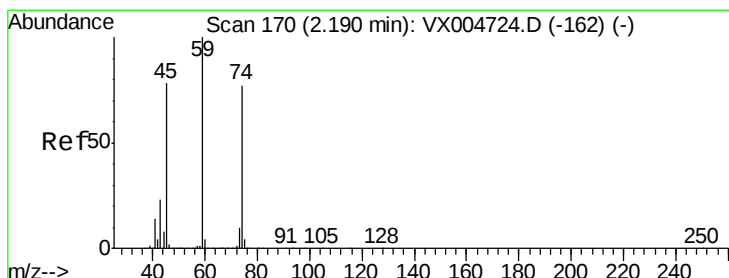
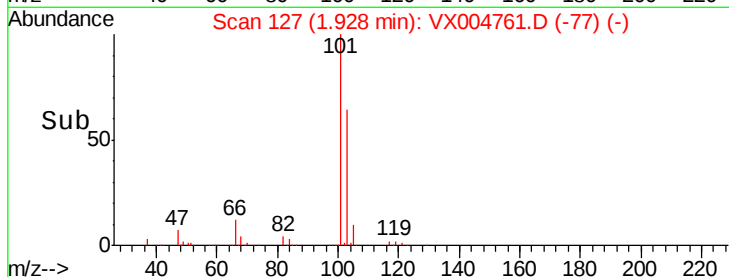
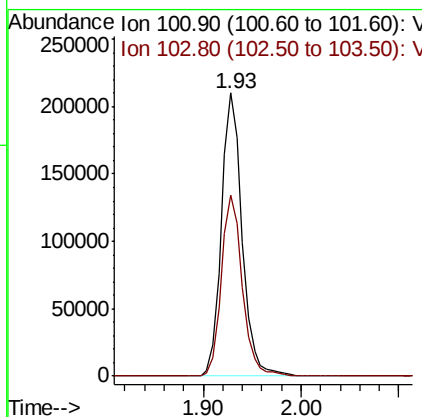
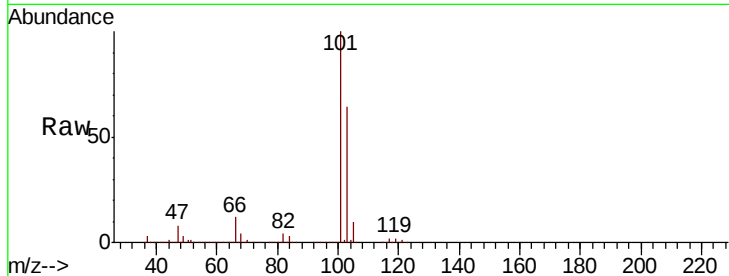
Trichlorofluoromethane
Concen: 53.296 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	308835		
103	64.1	48.9	73.3	

Manual Integrations
APPROVED

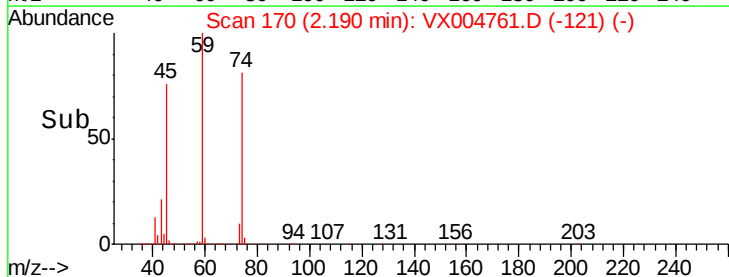
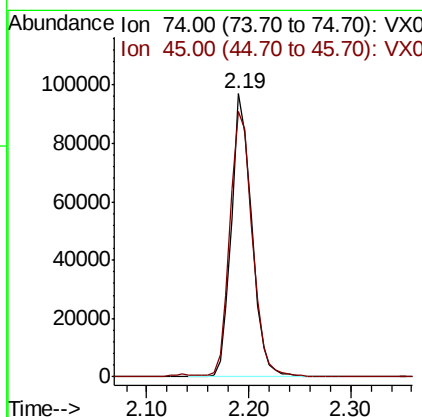
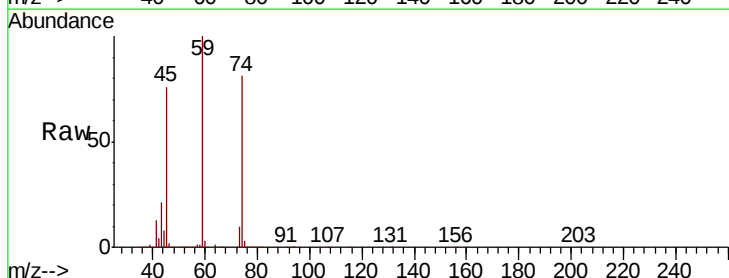
MMDadoda
9/27/2018 12:51:20 PM

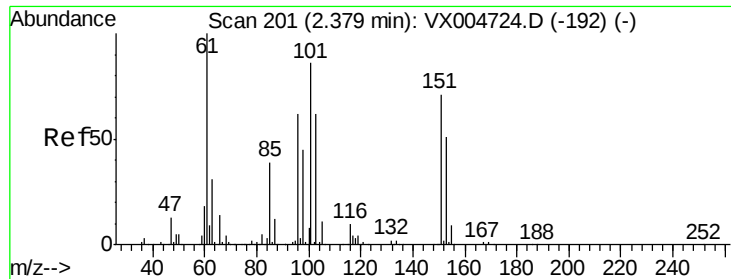


#8

Diethyl Ether
Concen: 53.034 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	133506		
45	102.4	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.643 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

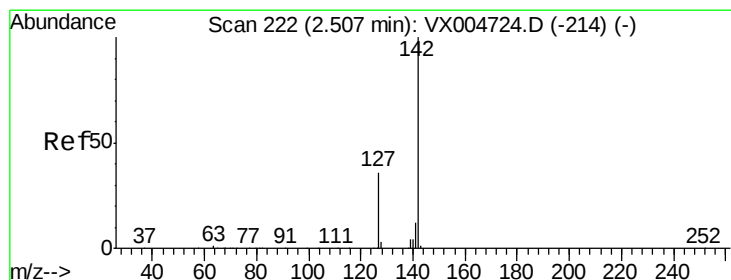
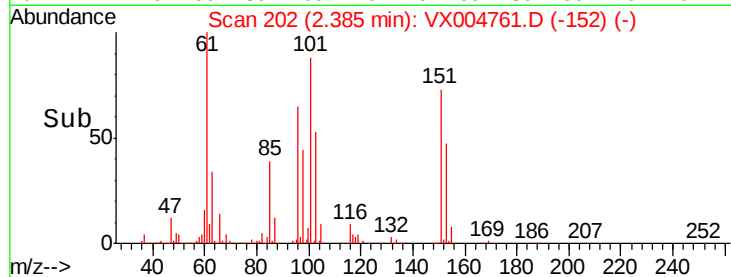
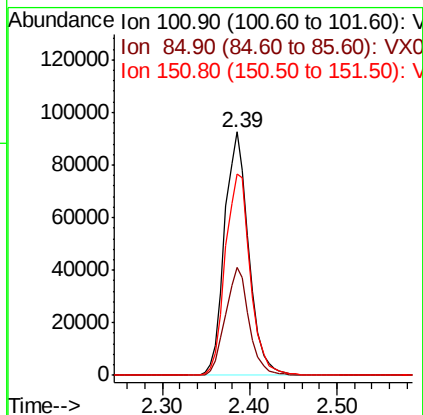
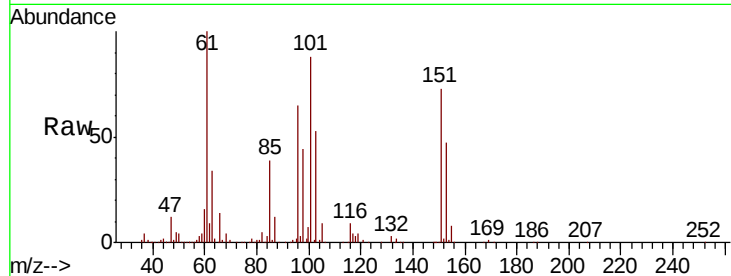
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	177067
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.2	51.4
151	85.9	65.0	97.6

Manual Integrations
APPROVED

MMDadoda
9/27/2018 12:51:20 PM



#10

Methyl Iodide

Concen: 33.978 ug/l

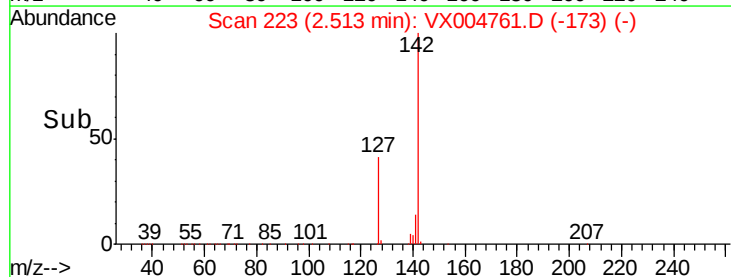
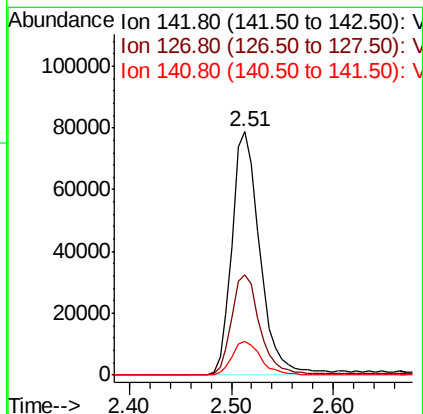
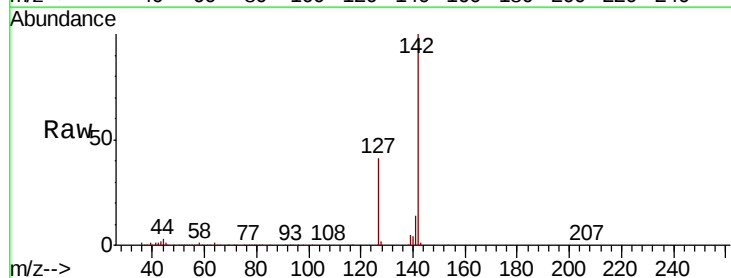
RT: 2.51 min Scan# 223

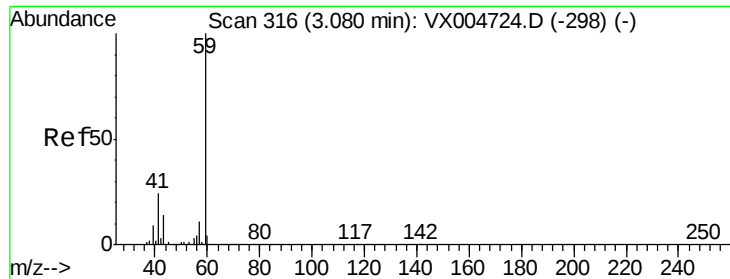
Delta R.T. 0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Tgt Ion:	142	Resp:	150081
Ion Ratio	Lower	Upper	
142	100		
127	41.7	33.8	50.6
141	14.3	11.4	17.0





#11

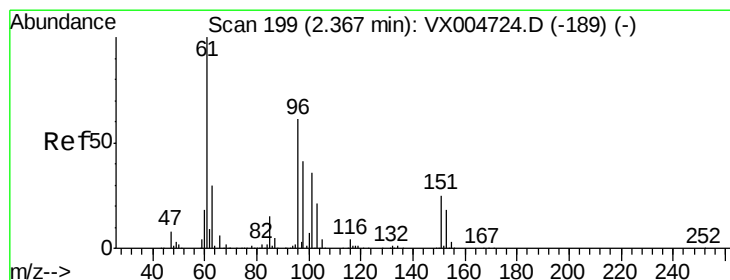
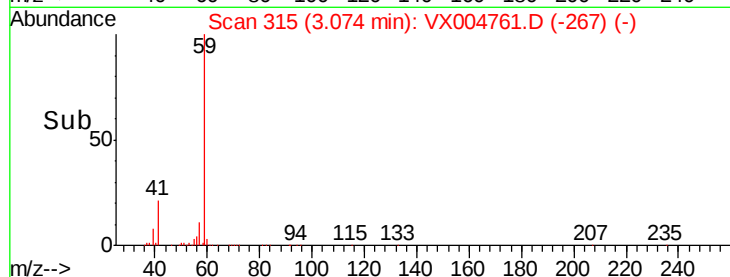
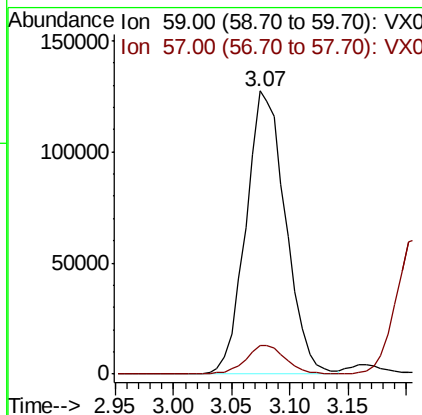
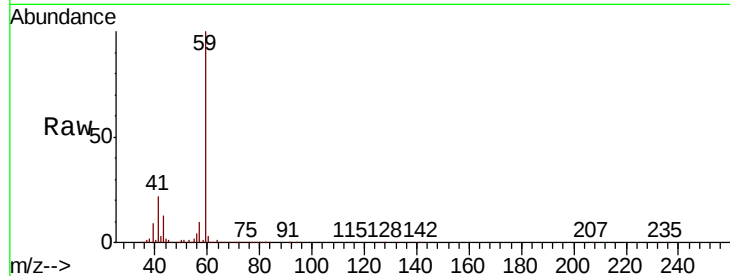
Tert butyl alcohol
Concen: 250.640 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4

Manual Integrations
APPROVED

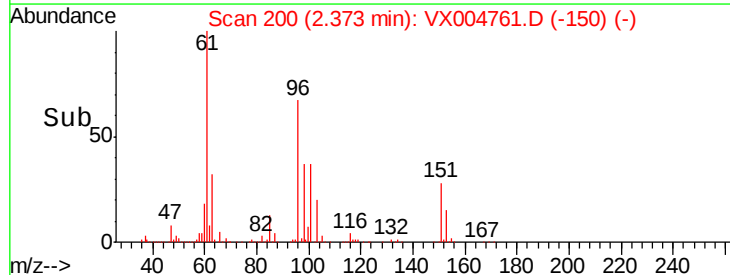
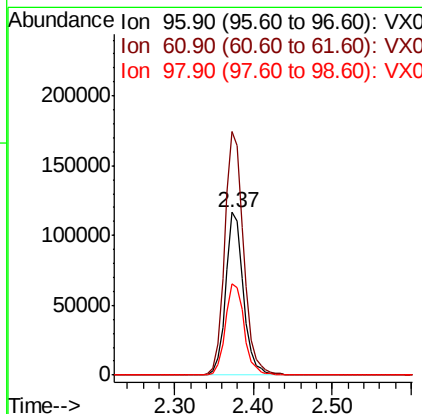
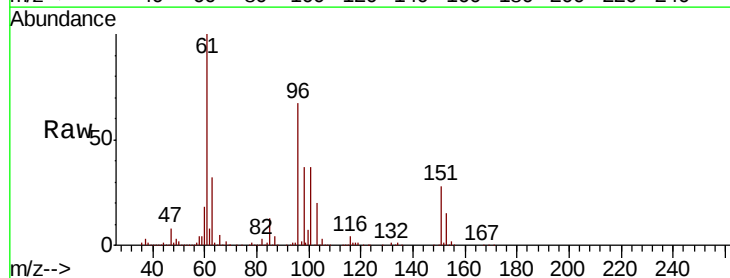
MMDadoda
9/27/2018 12:51:20 PM

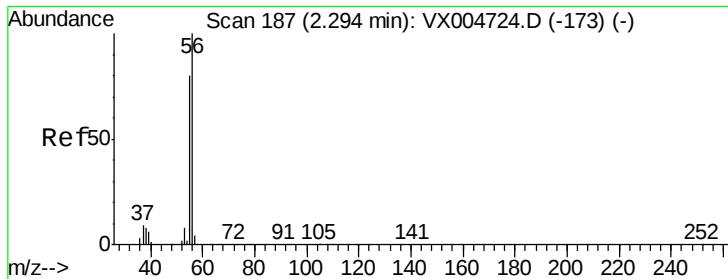


#12

1,1-Dichloroethene
Concen: 55.064 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.8	128.8	193.2
98	56.2	52.2	78.2





#13

Acrolein

Concen: 120.262 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 103109

Ion Ratio Lower Upper

56 100

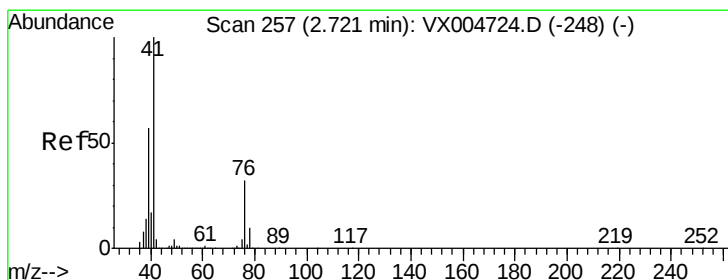
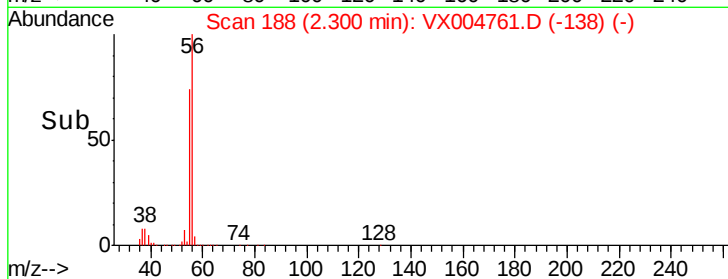
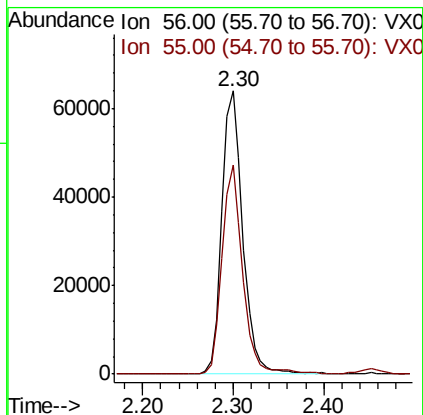
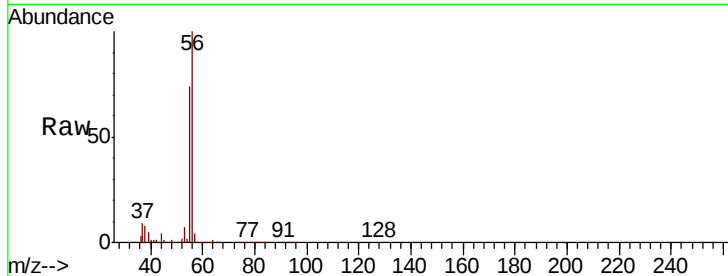
55 72.2 54.7 82.1

Manual Integrations

APPROVED

MMDadoda

9/27/2018 12:51:20 PM



#14

Allyl chloride

Concen: 50.569 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

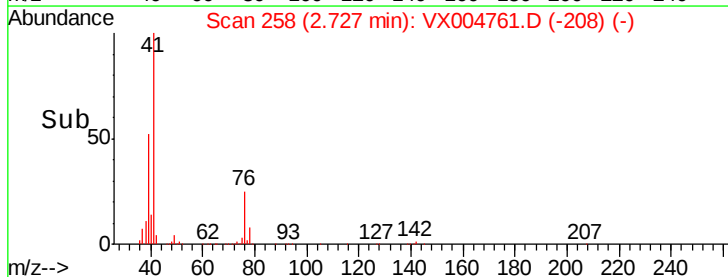
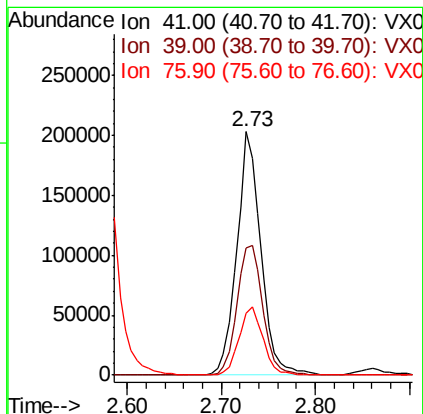
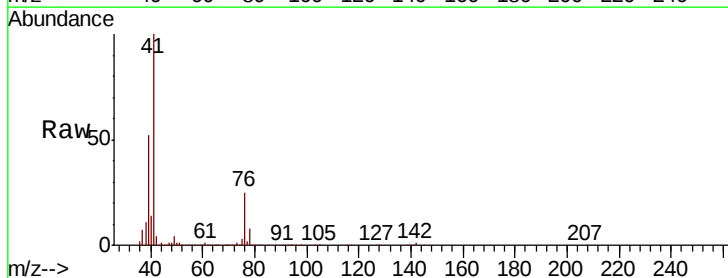
Tgt Ion: 41 Resp: 360680

Ion Ratio Lower Upper

41 100

39 56.9 48.9 73.3

76 27.9 26.7 40.1





#15

Acrylonitrile

Concen: 258.145 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

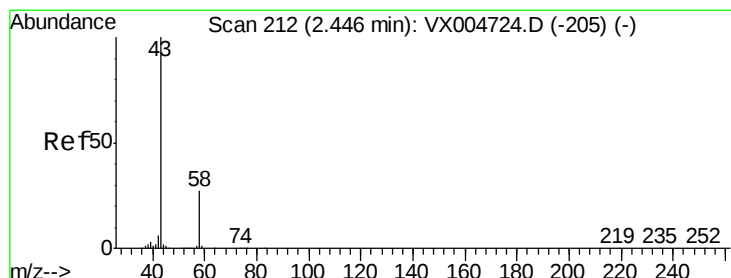
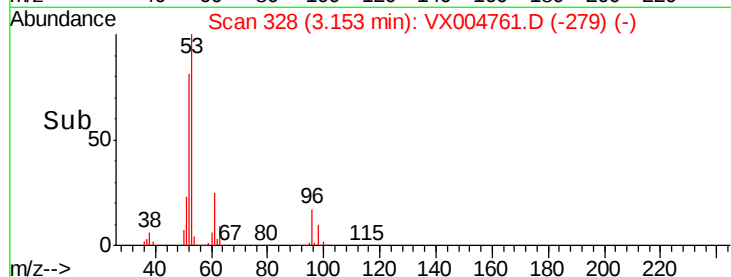
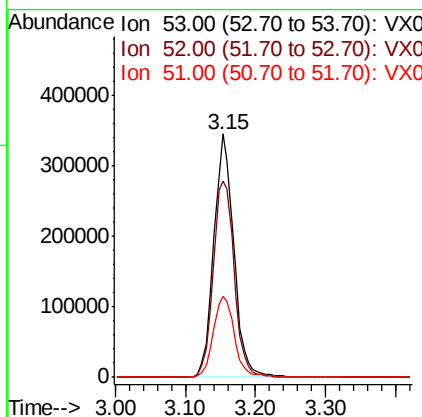
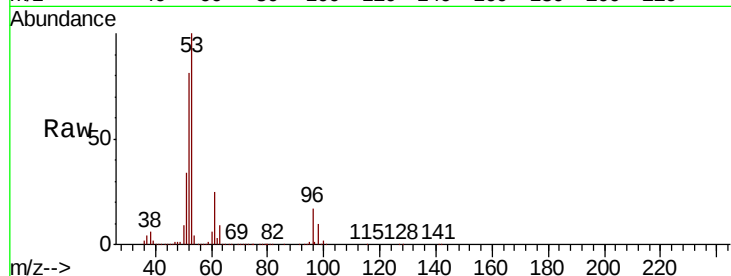
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	684784
Ion	Ratio	Lower	Upper
53	100		
52	84.5	65.2	97.8
51	35.2	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
9/27/2018 12:51:20 PM



#16

Acetone

Concen: 234.589 ug/l

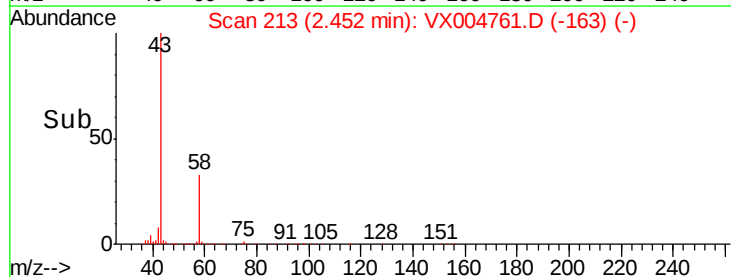
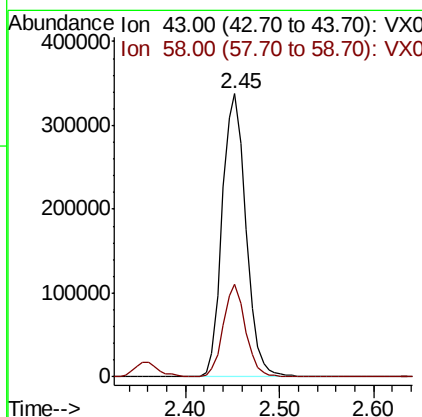
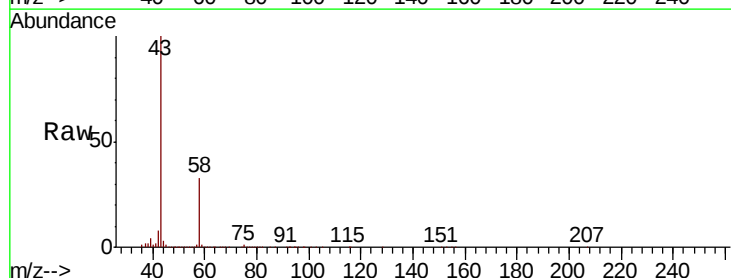
RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Tgt Ion:	43	Resp:	590240
Ion	Ratio	Lower	Upper
43	100		
58	32.8	26.2	39.4





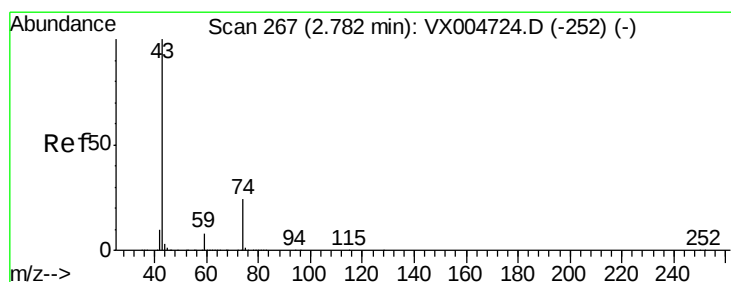
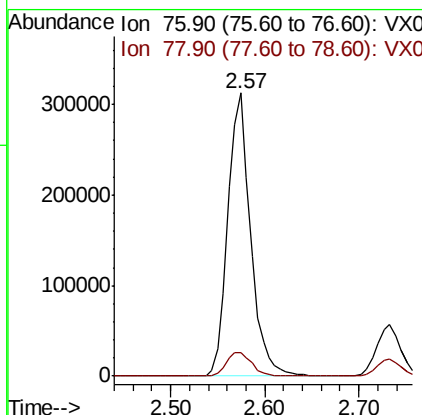
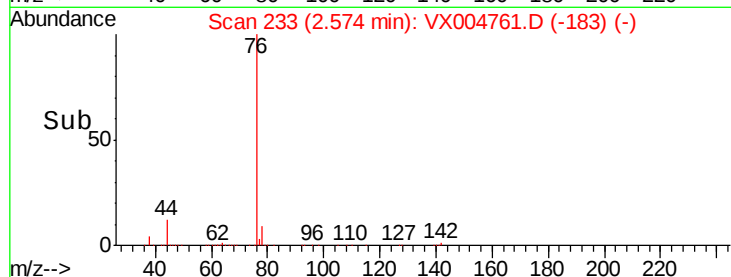
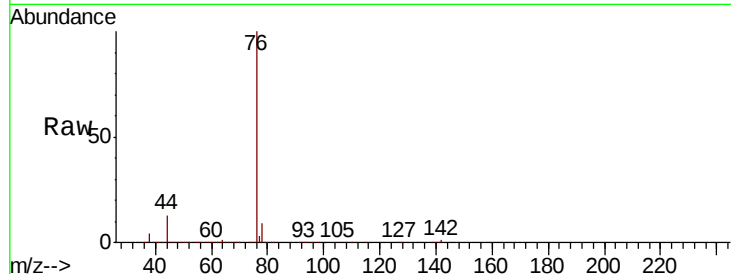
#17
Carbon Disulfide
Concen: 53.636 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.0	10.6

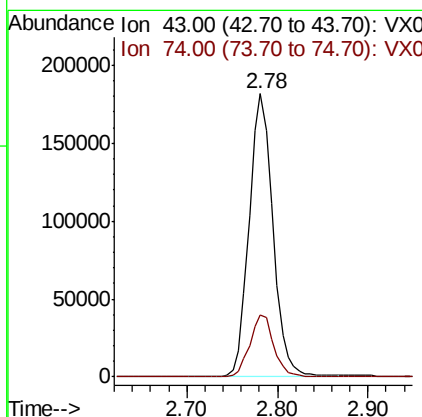
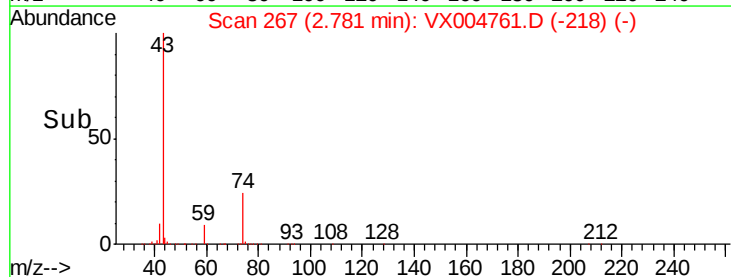
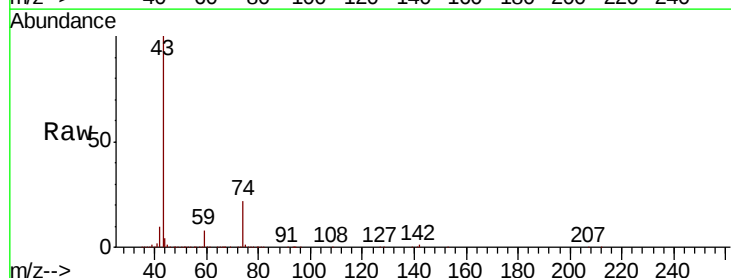
Manual Integrations
APPROVED

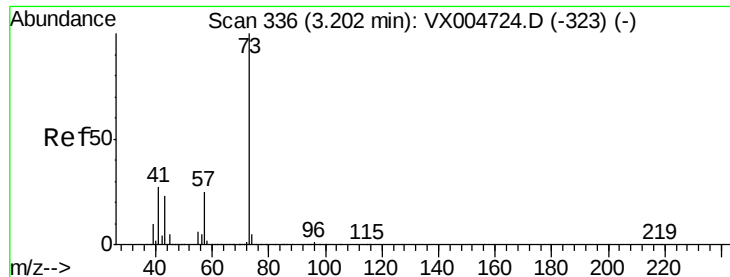
MMDadoda
9/27/2018 12:51:20 PM



#18
Methyl Acetate
Concen: 51.867 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	19.4	29.2





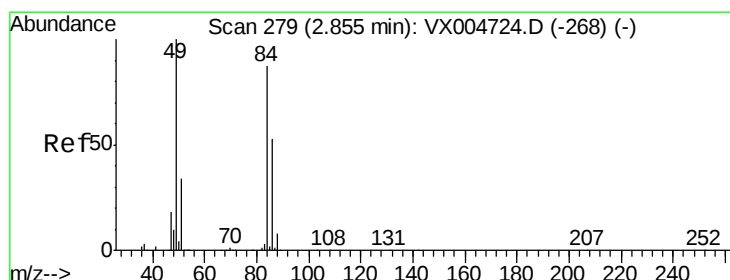
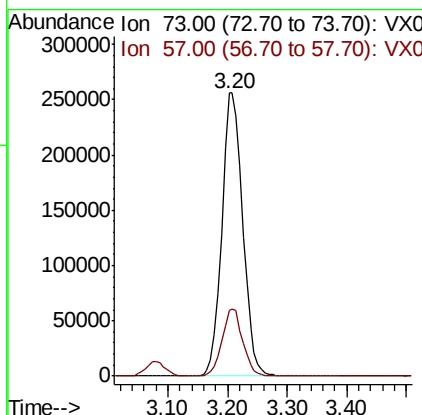
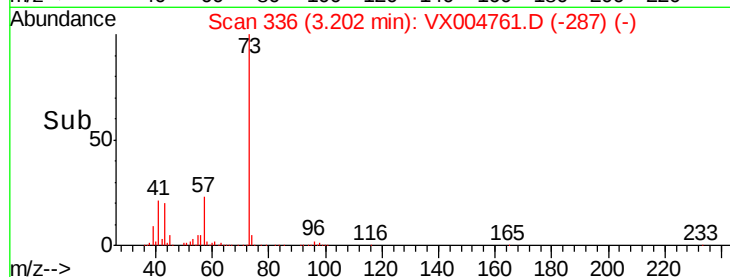
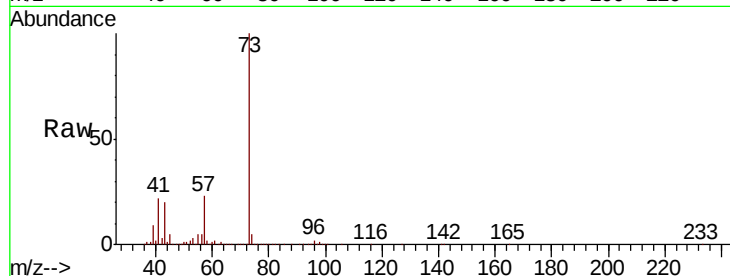
#19
Methyl tert-butyl Ether
Concen: 55.260 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.3	17.1	25.7

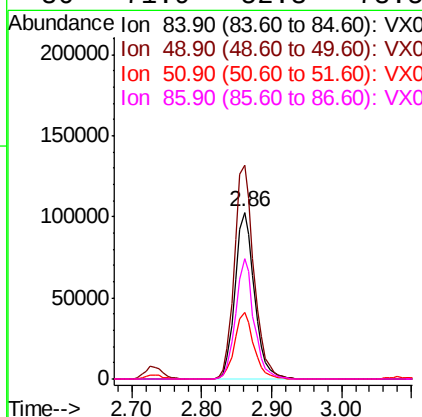
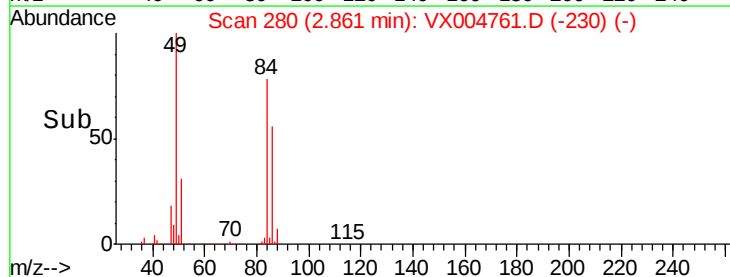
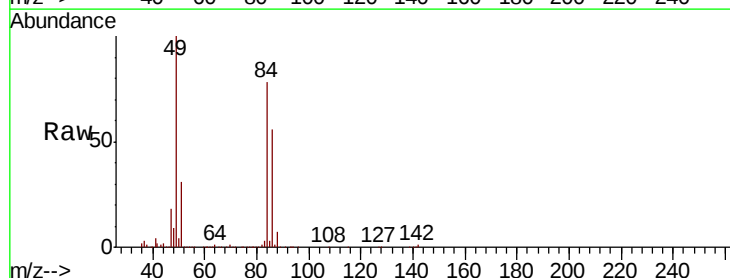
Manual Integrations
APPROVED

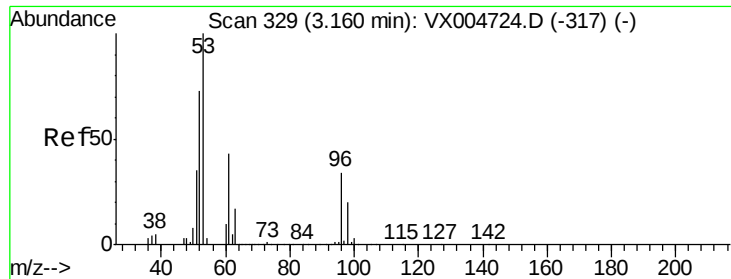
MMDadoda
9/27/2018 12:51:20 PM



#20
Methylene Chloride
Concen: 54.322 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.1	101.2	151.8
51	39.7	29.5	44.3
86	71.9	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 51.839 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

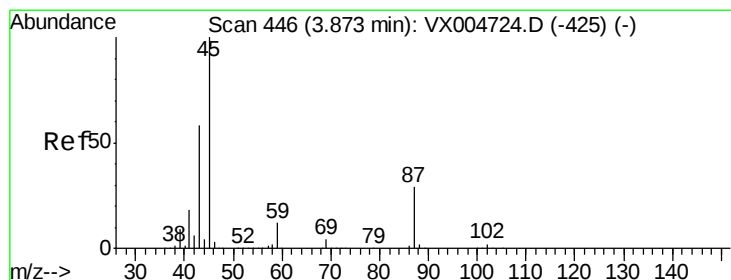
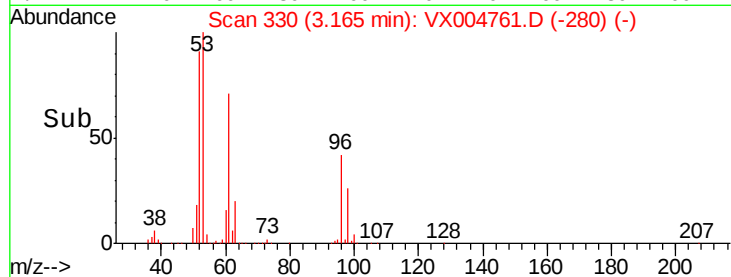
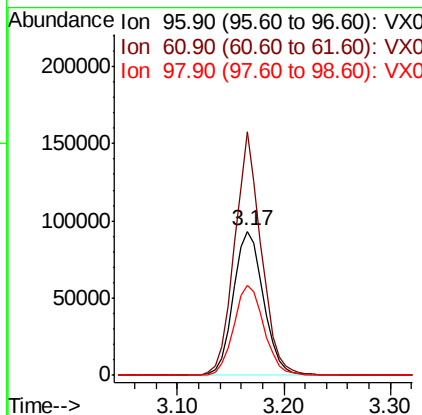
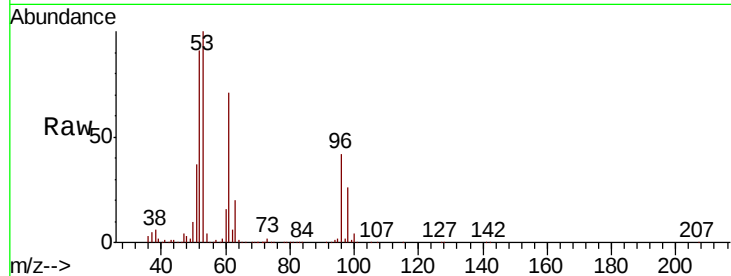
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	185503
Ion	Ratio	Lower	Upper
96	100		
61	169.0	113.8	170.6
98	62.6	51.8	77.8

Manual Integrations
APPROVED

MMDadoda
9/27/2018 12:51:20 PM



#22

Diisopropyl ether

Concen: 57.583 ug/l

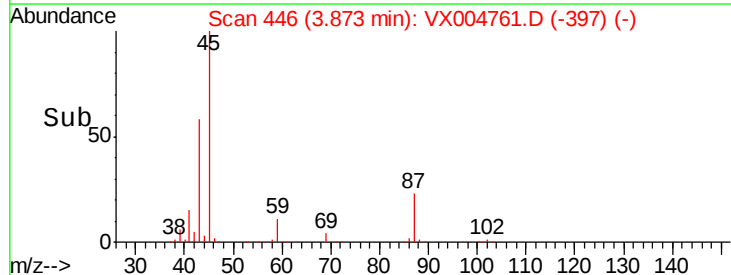
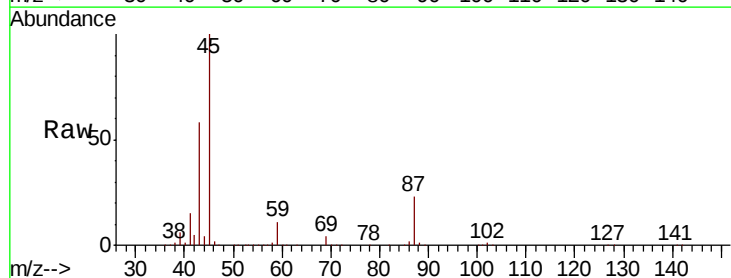
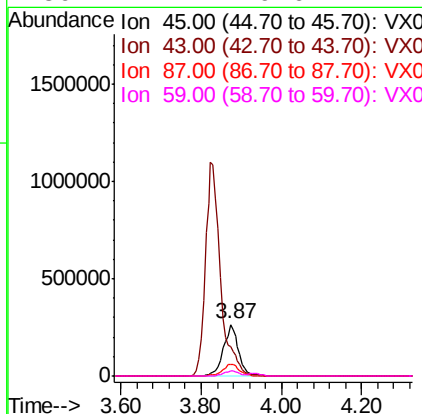
RT: 3.87 min Scan# 446

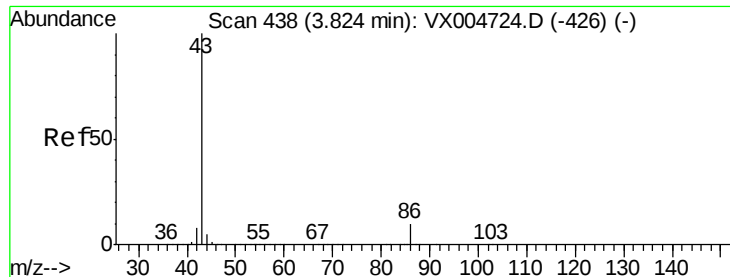
Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Tgt Ion:	45	Resp:	691600
Ion	Ratio	Lower	Upper
45	100		
43	57.9	42.8	64.2
87	23.1	22.6	34.0
59	11.2	9.6	14.4





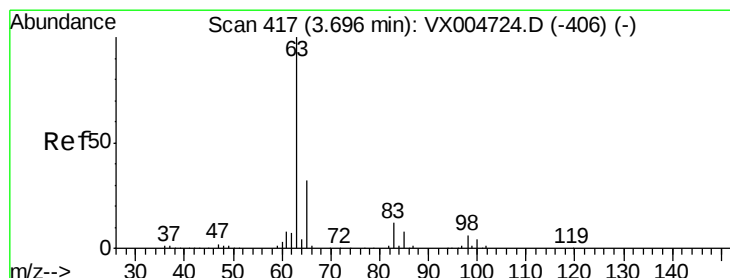
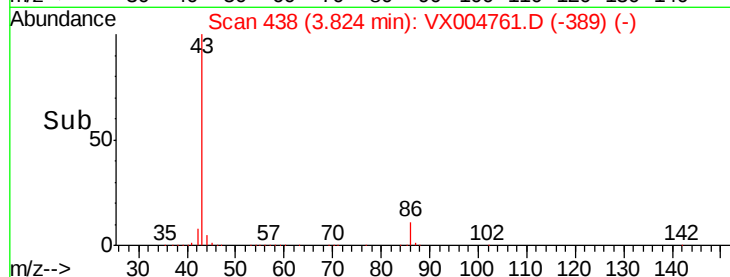
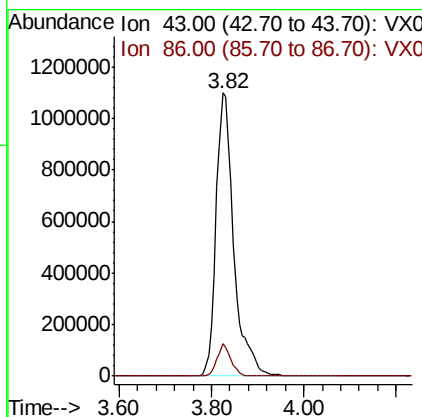
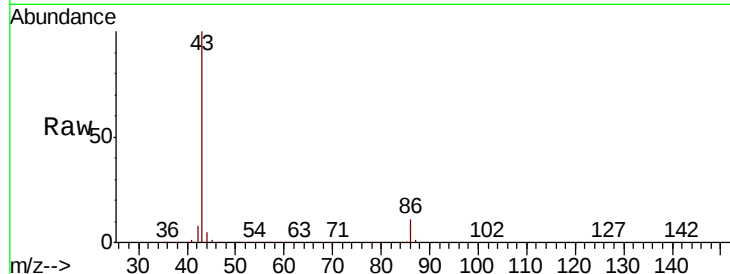
#23
 Vinyl Acetate
 Concen: 266.009 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. -0.00 min
 Lab File: VX004761.D
 Acq: 27 Sep 2018 08:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2924486
 Ion Ratio Lower Upper
 43 100
 86 11.3 8.9 13.3

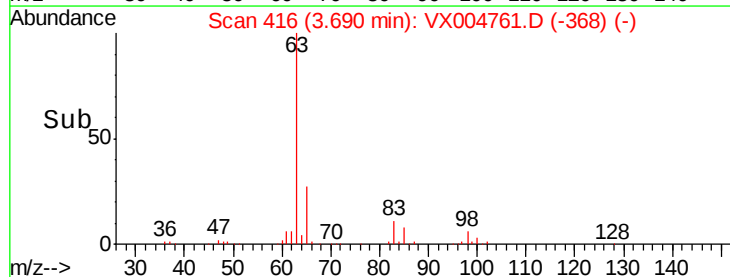
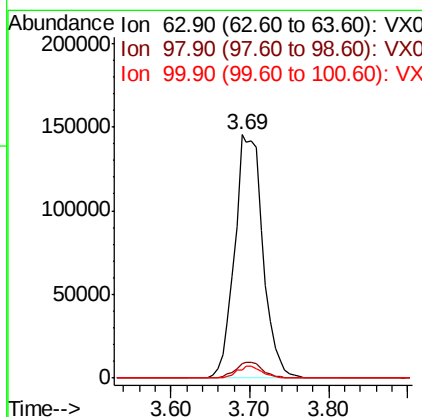
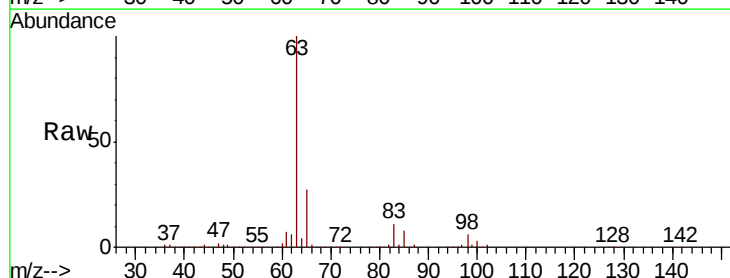
Manual Integrations
 APPROVED

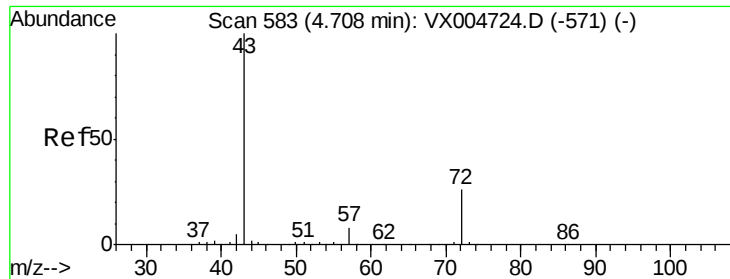
MMDadoda
 9/27/2018 12:51:20 PM



#24
 1,1-Dichloroethane
 Concen: 50.511 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. -0.01 min
 Lab File: VX004761.D
 Acq: 27 Sep 2018 08:38

Tgt Ion: 63 Resp: 361885
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.5 10.4
 100 3.1 2.4 7.1





#25

2-Butanone

Concen: 249.292 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 924561

Ion Ratio Lower Upper

43 100

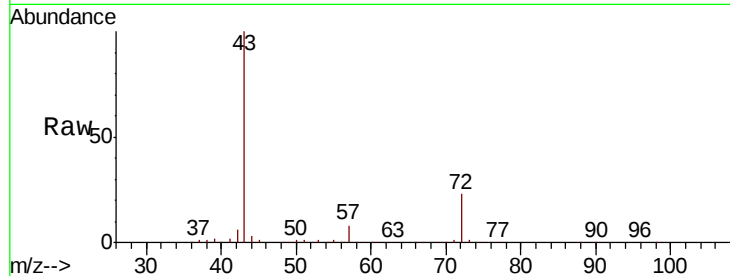
72 23.1 22.0 33.0

Manual Integrations

APPROVED

MMDadoda

9/27/2018 12:51:20 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

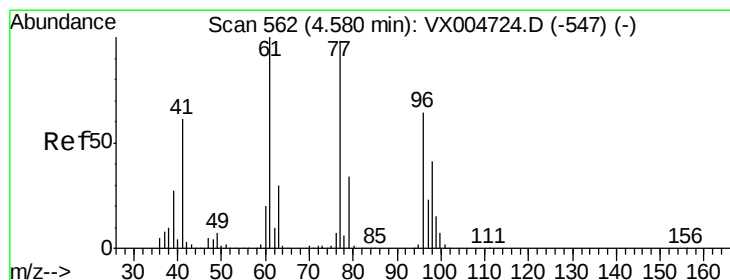
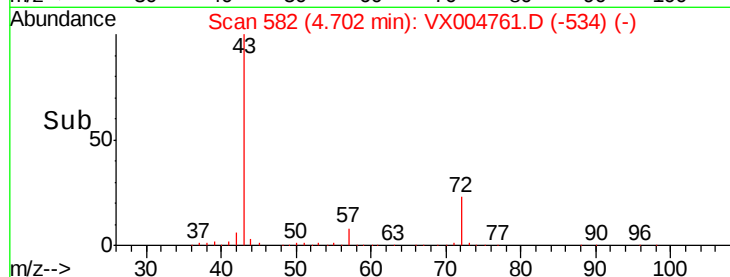
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 31.491 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX004761.D

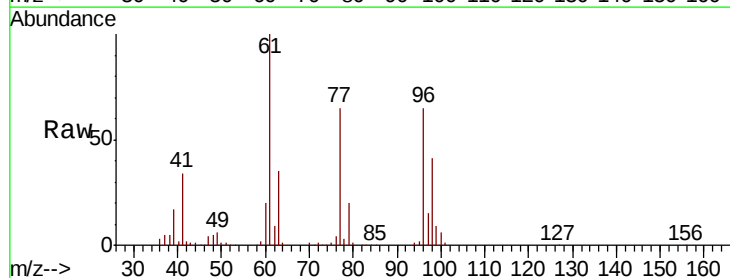
Acq: 27 Sep 2018 08:38

Tgt Ion: 77 Resp: 157106

Ion Ratio Lower Upper

77 100

97 24.7 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

60000

50000

40000

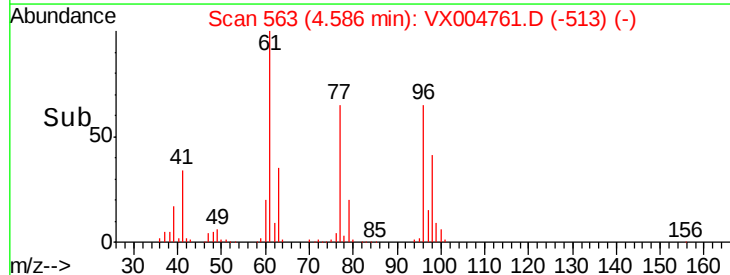
30000

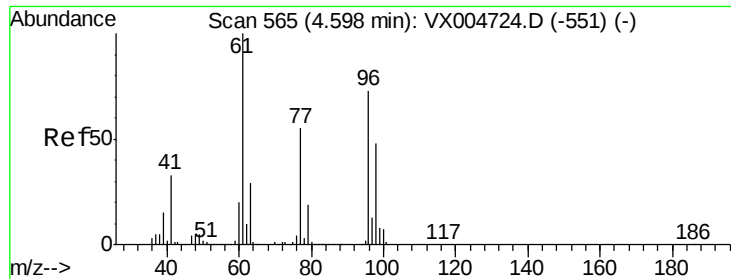
20000

10000

0

Time-->





#27

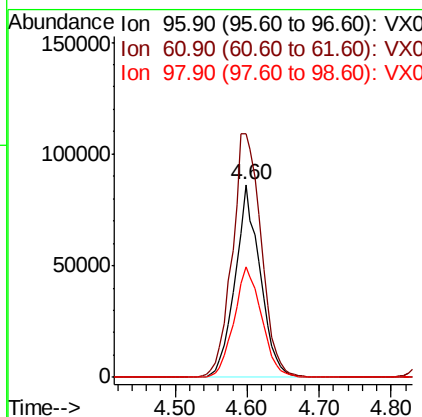
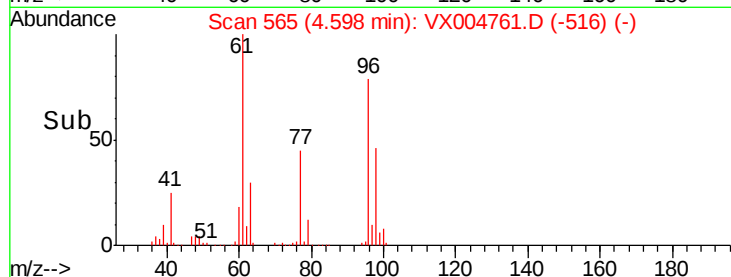
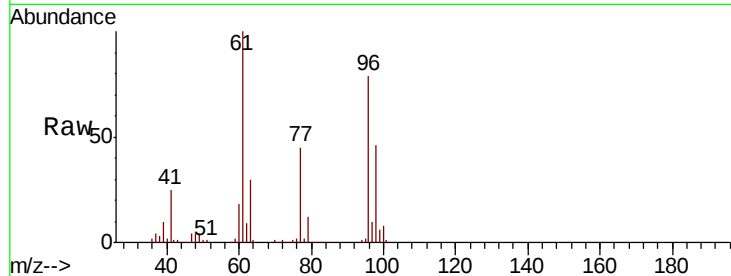
cis-1,2-Dichloroethene
 Concen: 52.099 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX004761.D
 Acq: 27 Sep 2018 08:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	208269		
61	146.2		0.0	282.6
98	63.2		0.0	130.2

Manual Integrations
 APPROVED

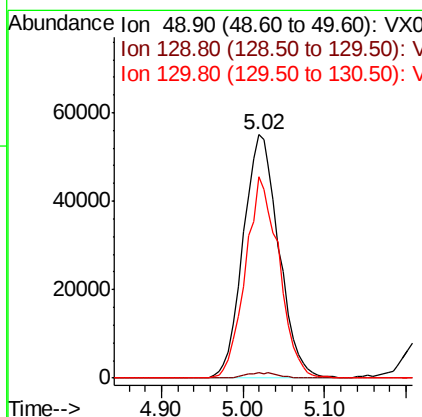
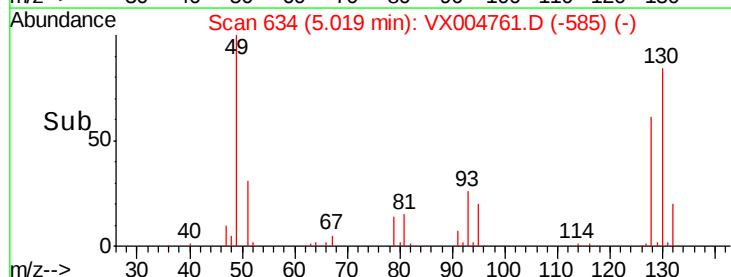
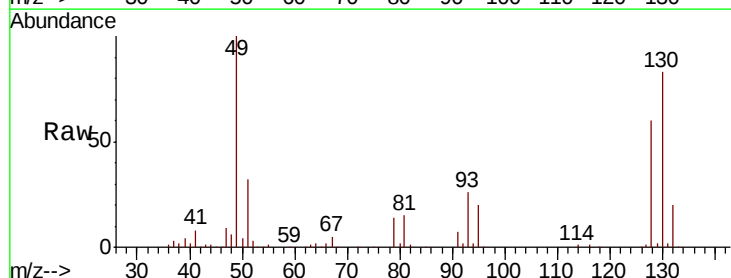
MMDadoda
 9/27/2018 12:51:20 PM

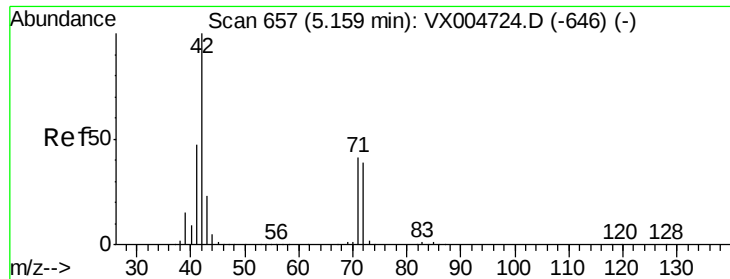


#28

Bromochloromethane
 Concen: 49.539 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX004761.D
 Acq: 27 Sep 2018 08:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	167135		
129	2.1		0.0	4.2
130	78.0		67.5	101.3





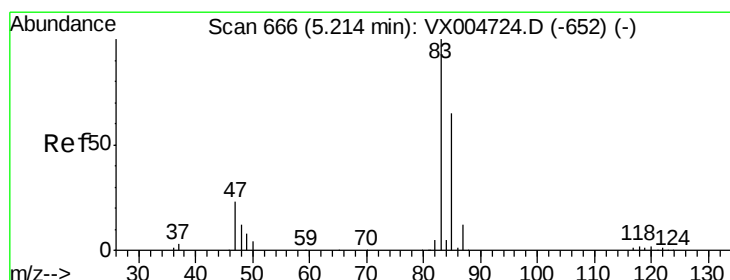
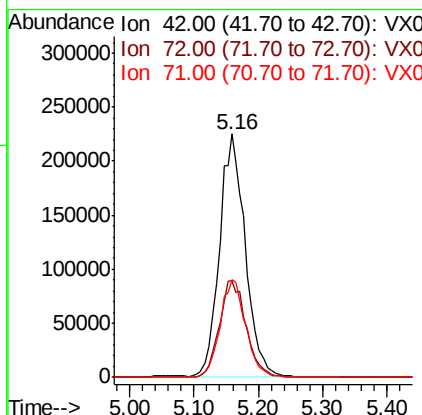
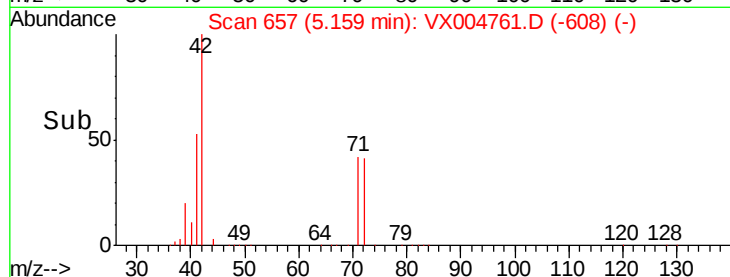
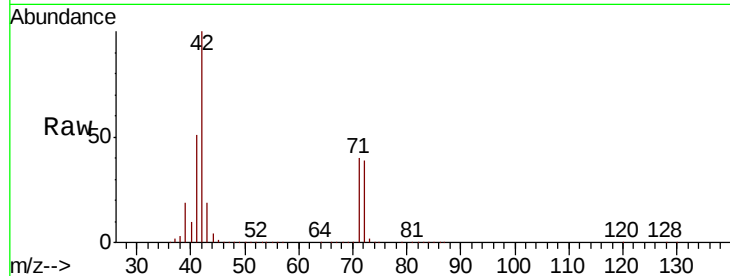
#29
Tetrahydrofuran
Concen: 273.911 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	37.4	56.0
71	40.2	34.5	51.7

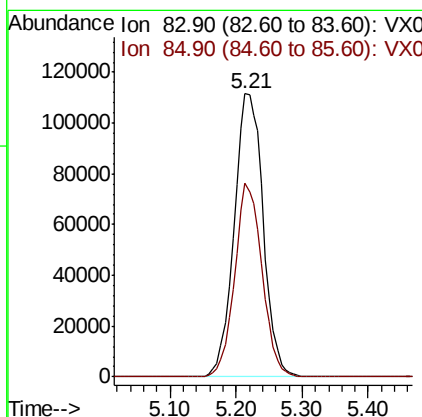
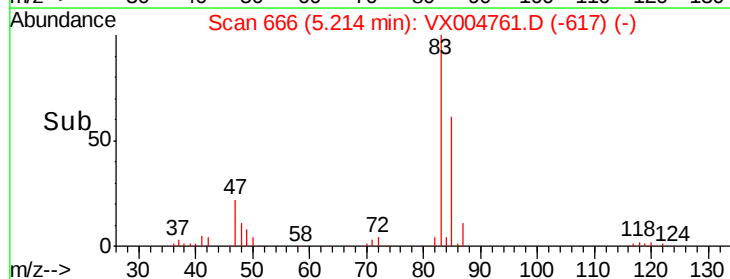
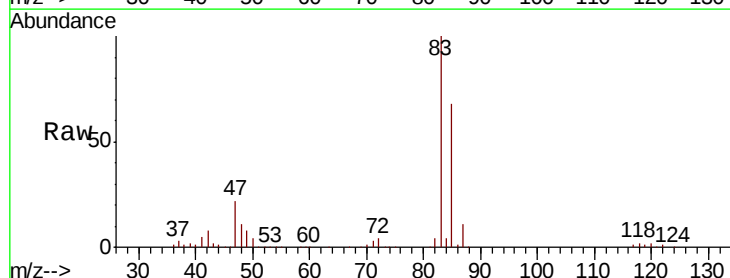
Manual Integrations
APPROVED

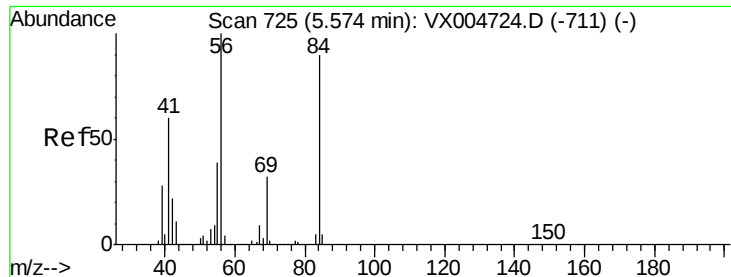
MMDadoda
9/27/2018 12:51:20 PM



#30
Chloroform
Concen: 50.016 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.5	52.6	79.0





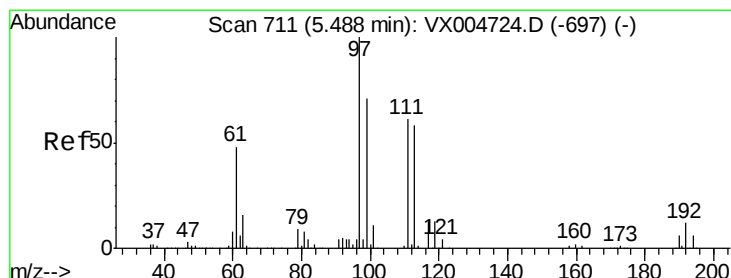
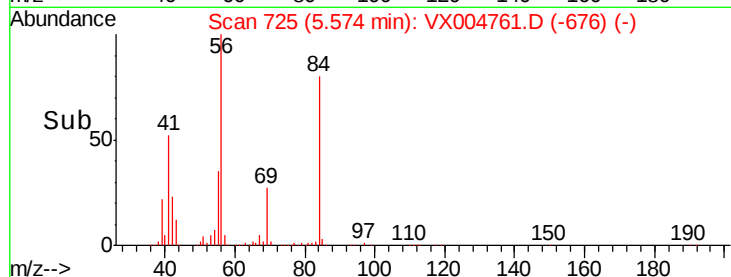
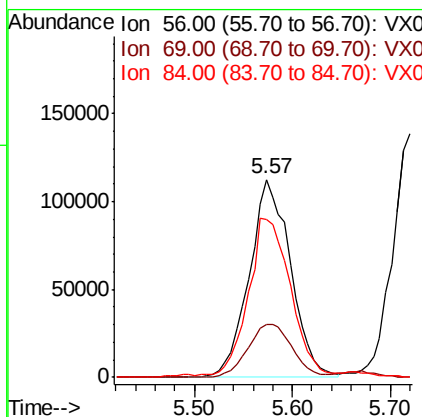
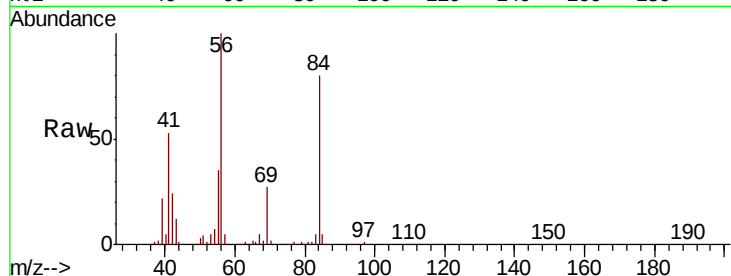
#31
Cyclohexane
Concen: 60.130 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	26.9	25.4	38.2
84	78.4	71.4	107.2

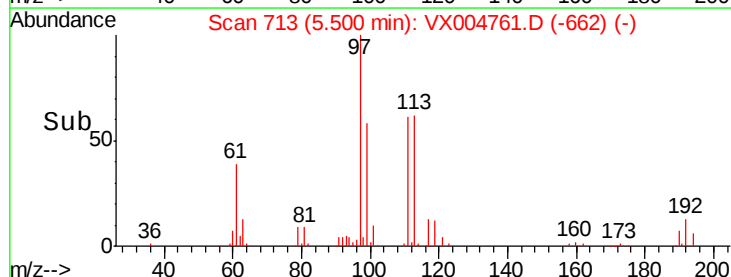
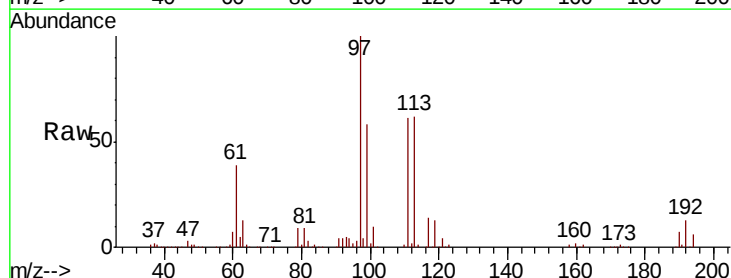
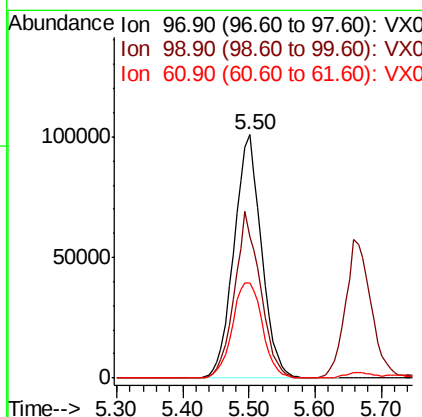
Manual Integrations
APPROVED

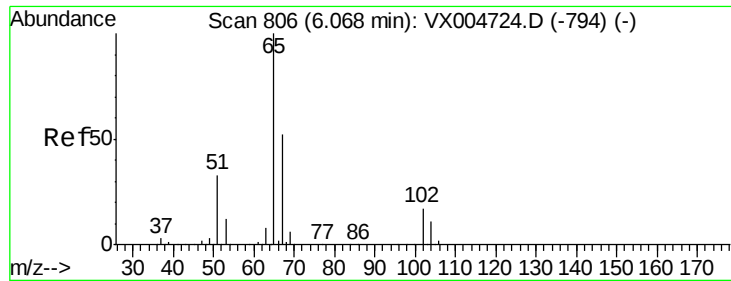
MMDadoda
9/27/2018 12:51:20 PM



#32
1,1,1-Trichloroethane
Concen: 52.462 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.0	78.0
61	43.0	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 48.342 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Tot Ion: 65 Resp: 208338

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.8

Instrument :

MSVOA_X

ClientSampleId :

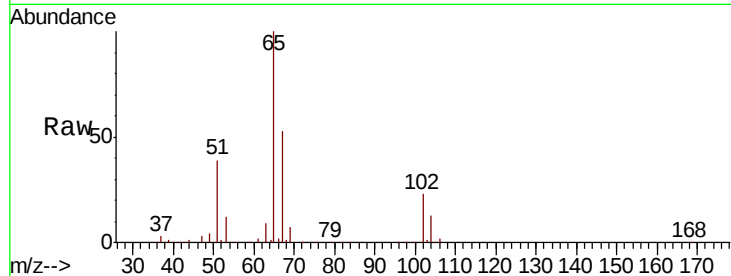
VSTDCCC050EC

Manual Integrations

APPROVED

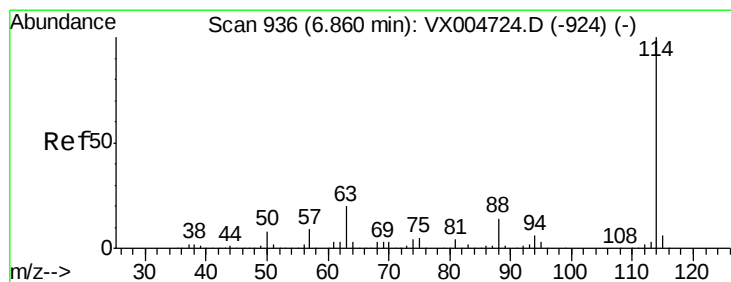
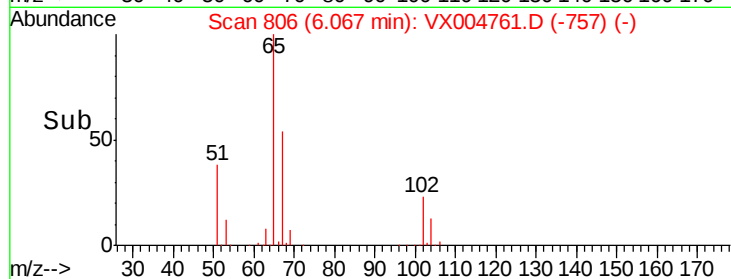
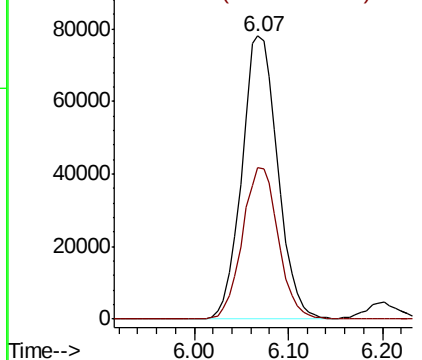
MMDadoda

9/27/2018 12:51:20 PM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

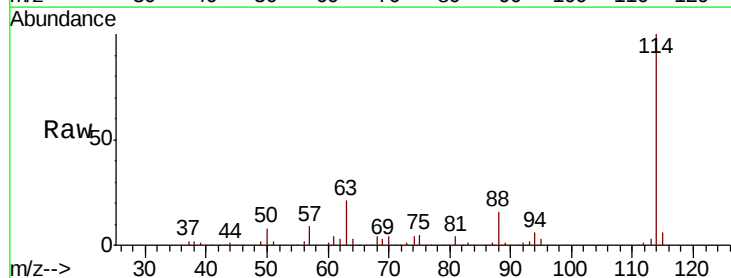
Tgt Ion: 114 Resp: 457824

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.0

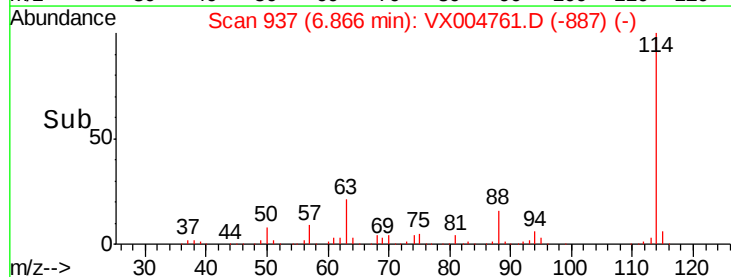
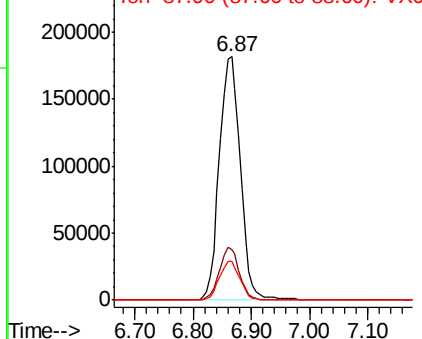
88 15.8 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 44.748 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

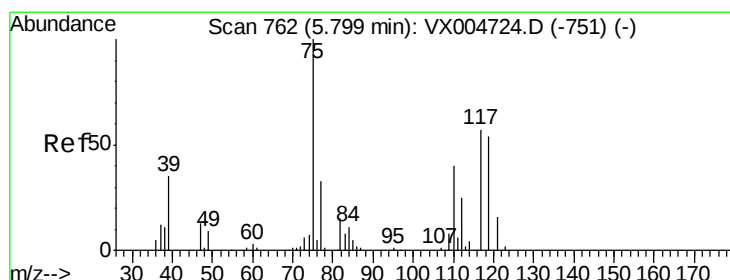
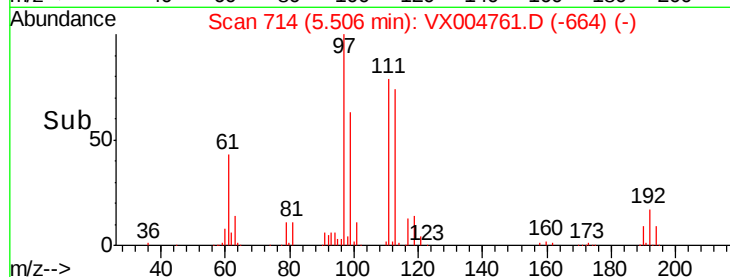
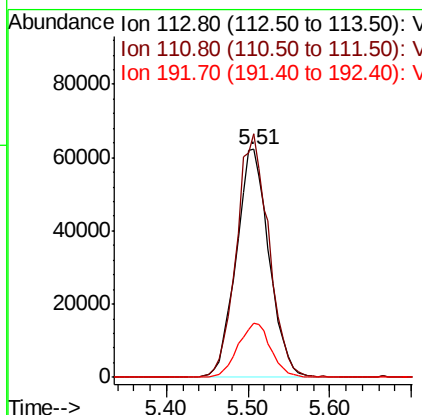
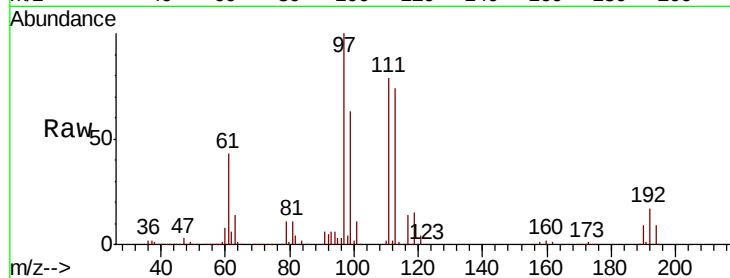
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	173627
Ion Ratio	Lower	Upper	
113	100		
111	105.0	82.4	123.6
192	23.7	19.4	29.2

Manual Integrations
APPROVED

MMDadoda
9/27/2018 12:51:20 PM



#36

1,1-Dichloropropene

Concen: 46.857 ug/l

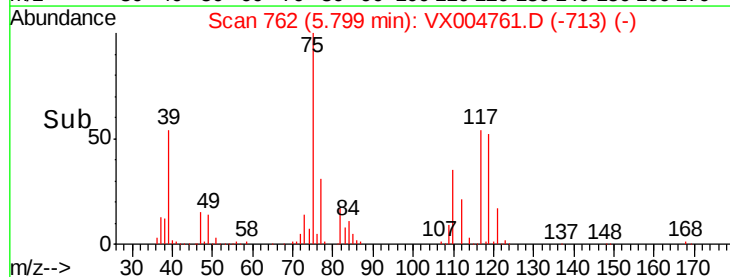
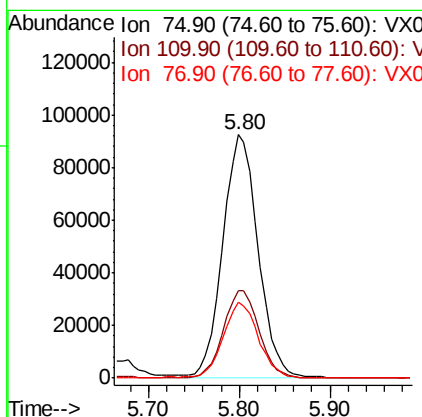
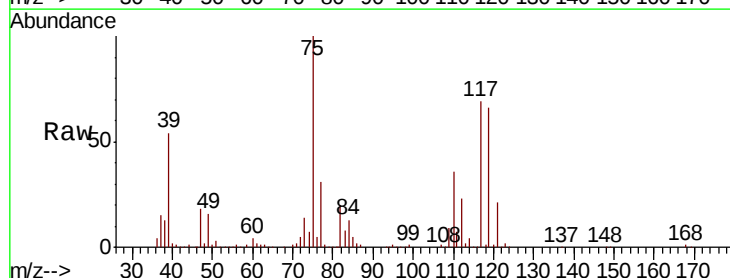
RT: 5.80 min Scan# 762

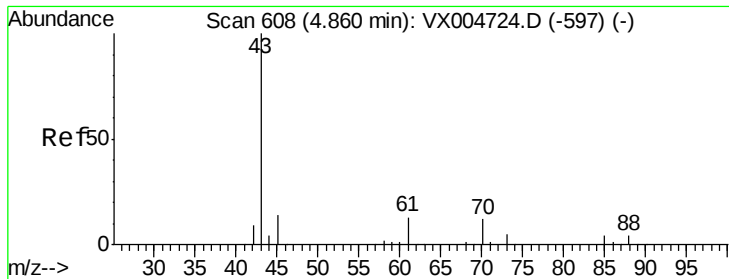
Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Tgt Ion:	75	Resp:	248055
Ion Ratio	Lower	Upper	
75	100		
110	36.5	18.0	54.0
77	31.5	24.6	36.8





#37

Ethyl Acetate

Concen: 48.633 ug/l

RT: 4.86 min Scan# 608

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

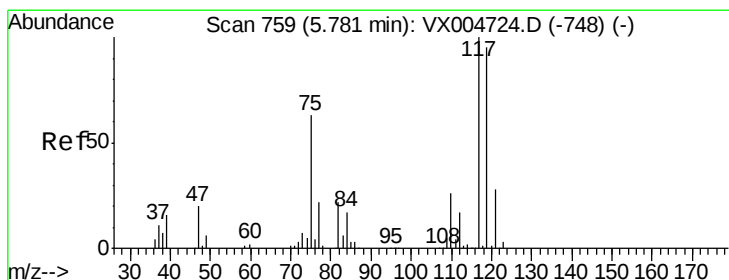
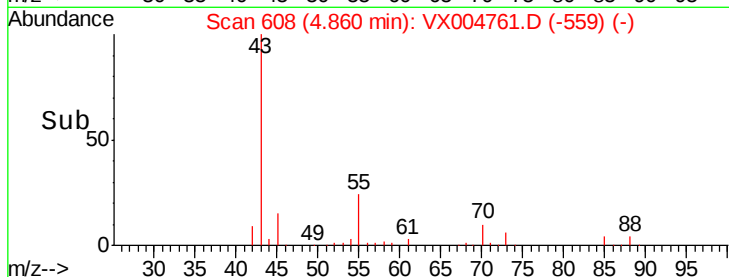
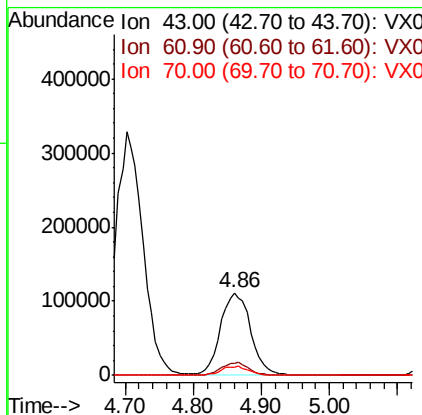
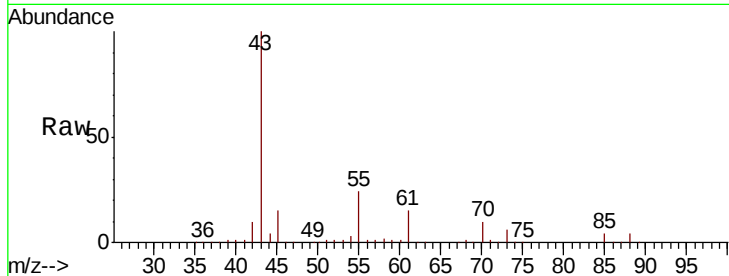
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	341754
Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.5	17.3
70	10.2	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
9/27/2018 12:51:20 PM



#38

Carbon Tetrachloride

Concen: 44.362 ug/l

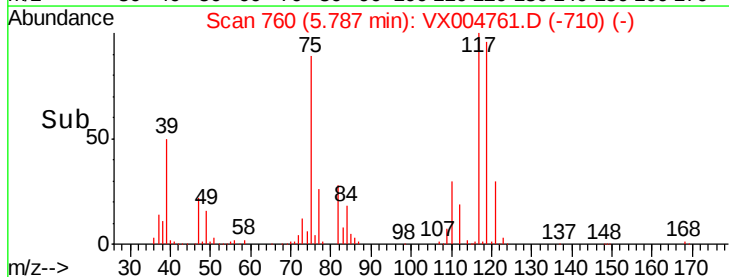
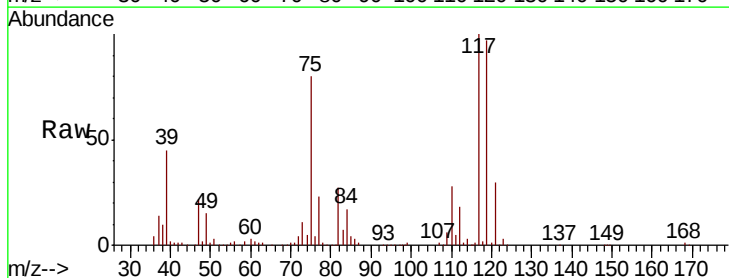
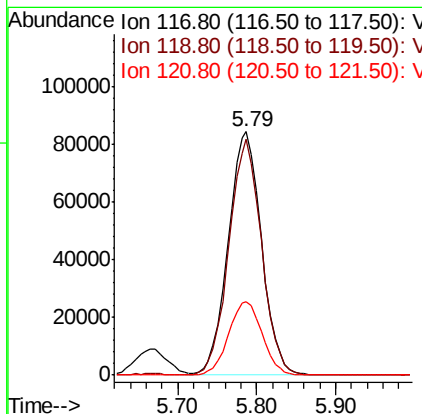
RT: 5.79 min Scan# 760

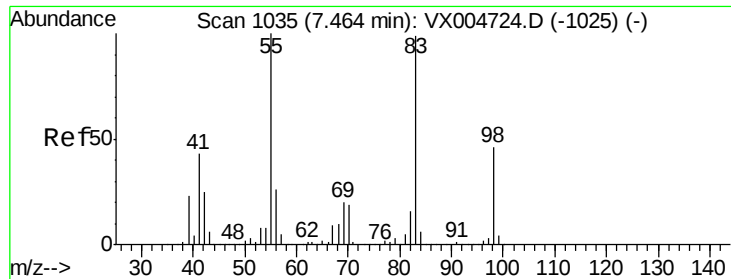
Delta R.T. 0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Tgt Ion:	117	Resp:	246869
Ion	Ratio	Lower	Upper
117	100		
119	96.9	78.8	118.2
121	30.1	24.9	37.3





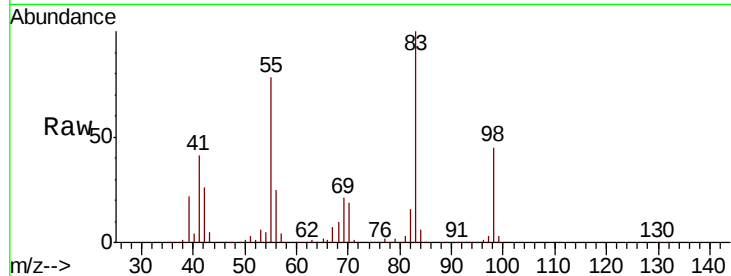
#39
Methvlcvclohexane
Concen: 55.631 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	61.0	91.4
98	45.4	39.6	59.4

Manual Integrations
APPROVED

MMDadoda
9/27/2018 12:51:20 PM

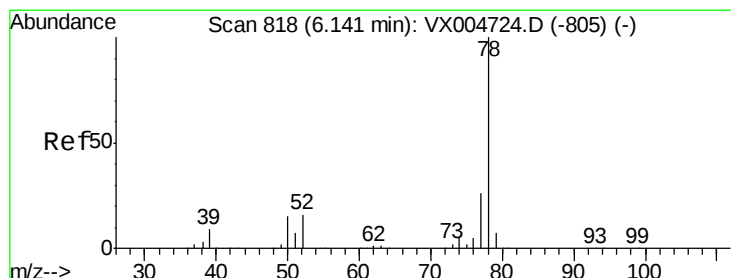
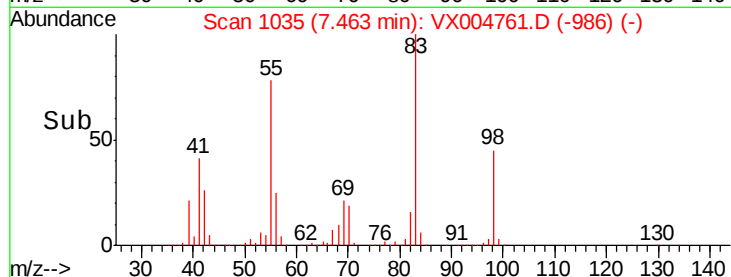
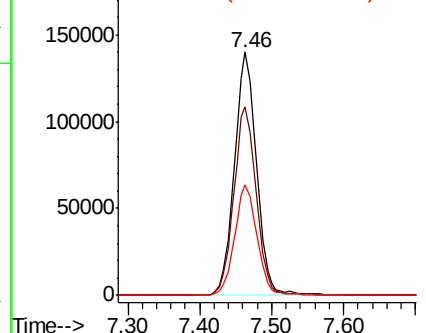


Abundance

Ion 83.00 (82.70 to 83.70): VX0

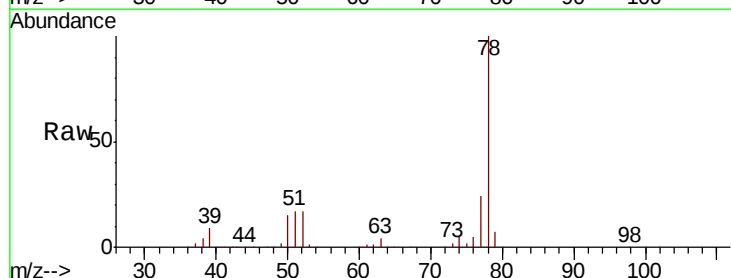
Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40
Benzene
Concen: 45.917 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

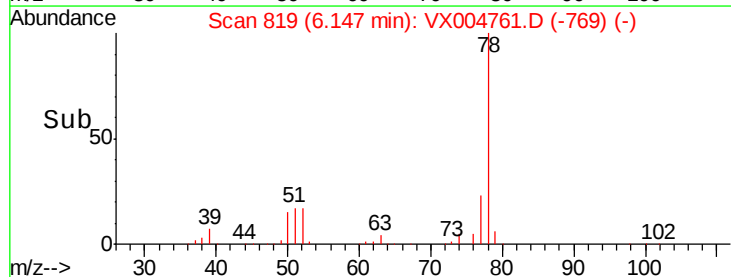
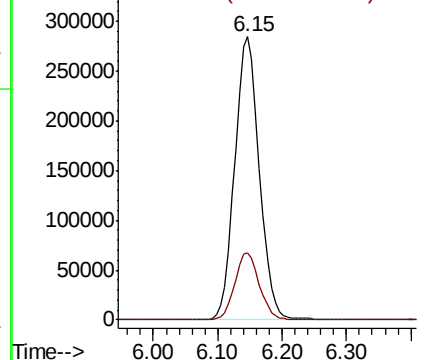
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4

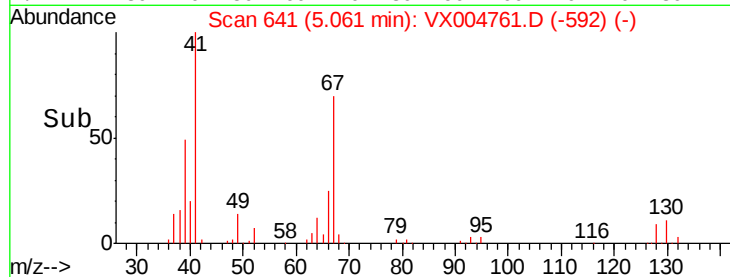
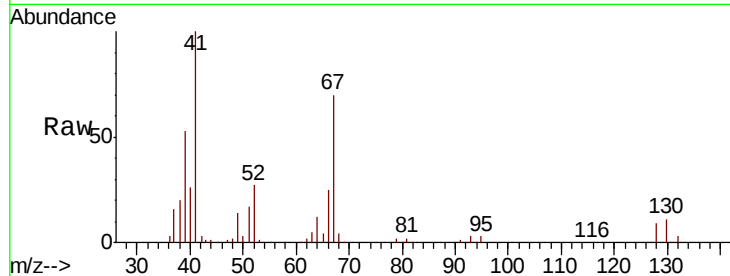


Abundance

Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





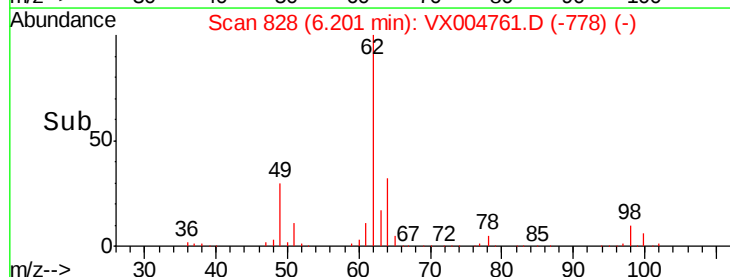
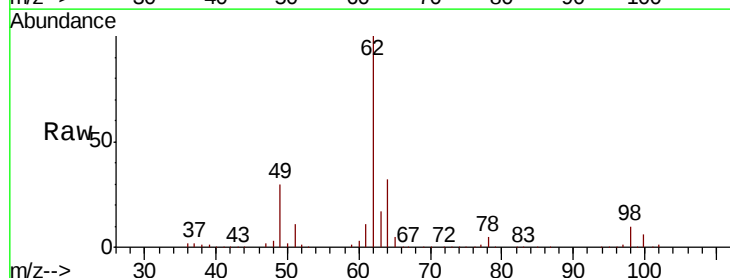
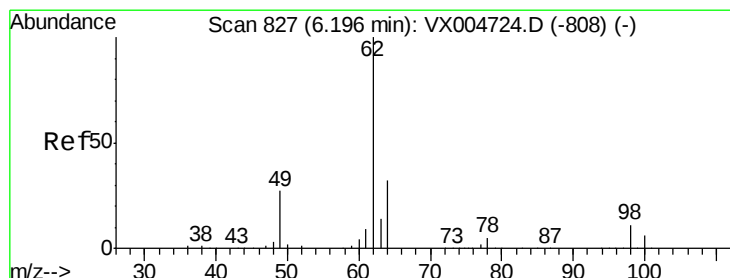
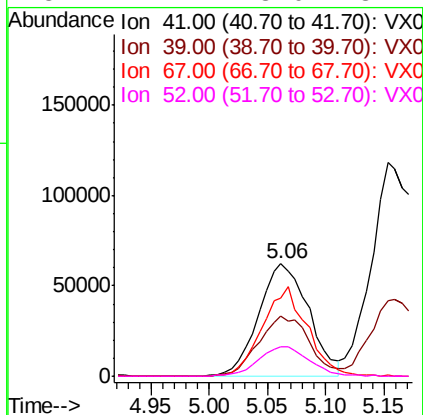
#41
Methacrylonitrile
Concen: 47.569 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	54.9	42.4	63.6
67	67	72.0	59.2	88.8
52	52	27.2	23.0	34.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

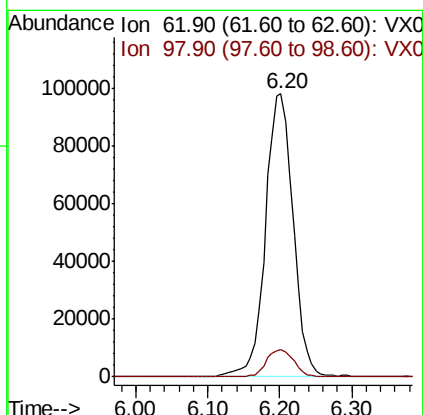
Manual Integrations
APPROVED

MMDadoda
9/27/2018 12:51:20 PM



#42
1,2-Dichloroethane
Concen: 44.761 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	9.7	0.0	20.6





#43

Isopropyl Acetate

Concen: 52.169 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

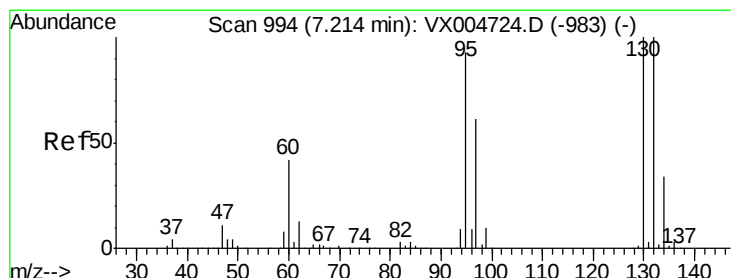
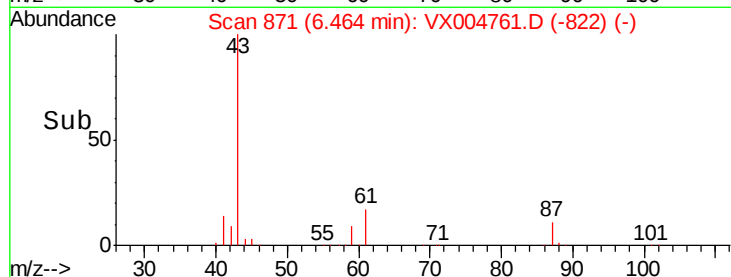
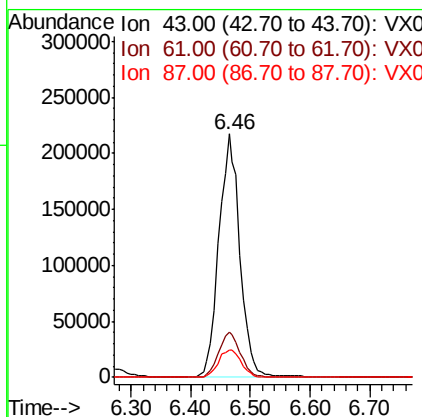
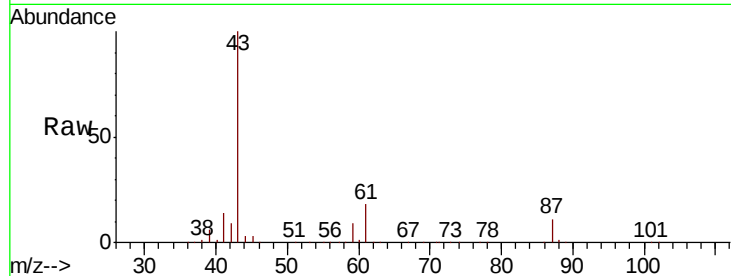
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	529131
Ion	Ratio	Lower	Upper
43	100		
61	19.3	17.0	25.4
87	12.4	11.4	17.2

Manual Integrations
APPROVED

MMDadoda
9/27/2018 12:51:20 PM



#44

Trichloroethene

Concen: 50.314 ug/l

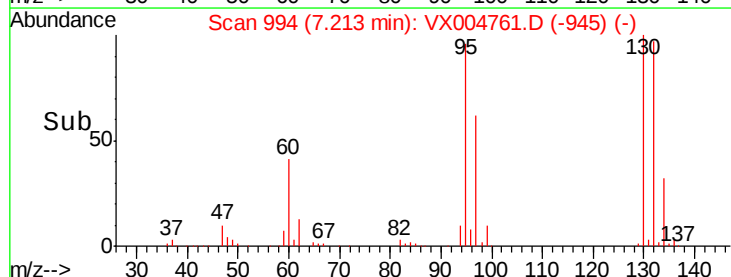
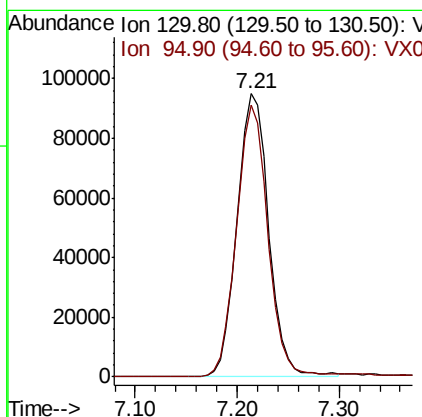
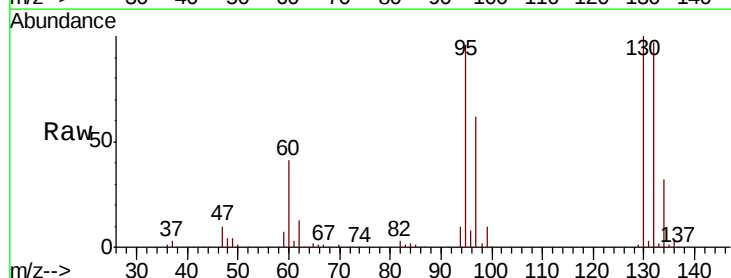
RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Tgt Ion:	130	Resp:	204996
Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	181.6





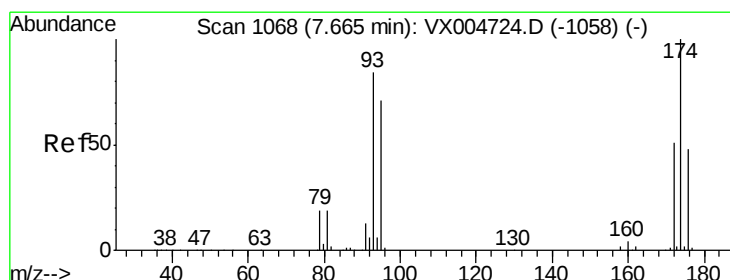
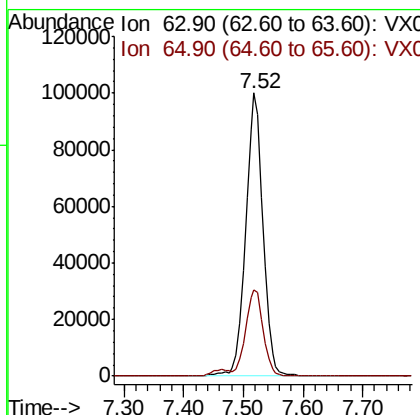
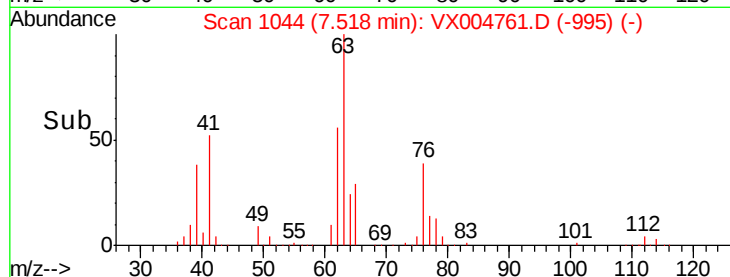
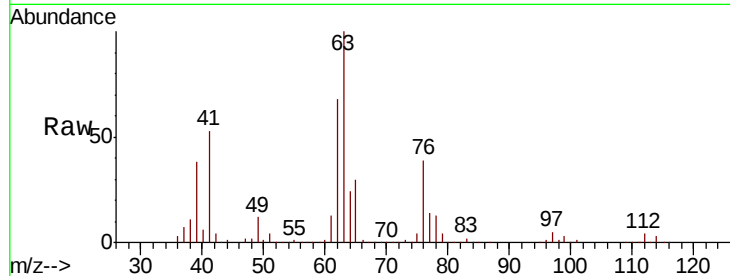
#45
 1,2-Dichloropropane
 Concen: 49.840 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004761.D
 Acq: 27 Sep 2018 08:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 202569
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.3 36.5

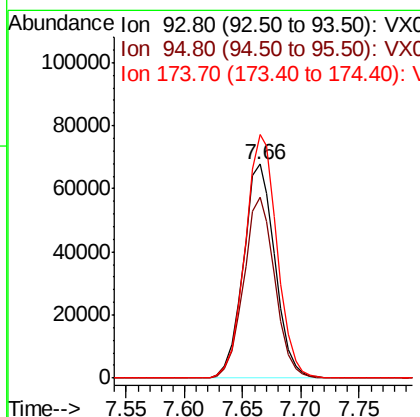
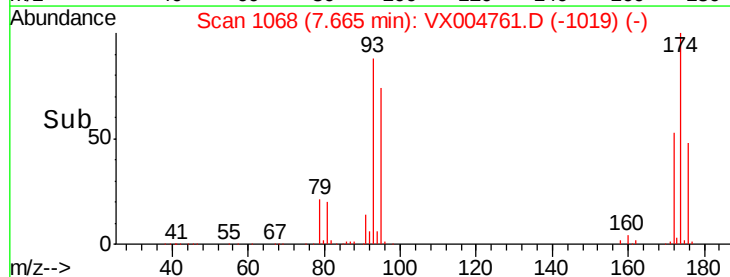
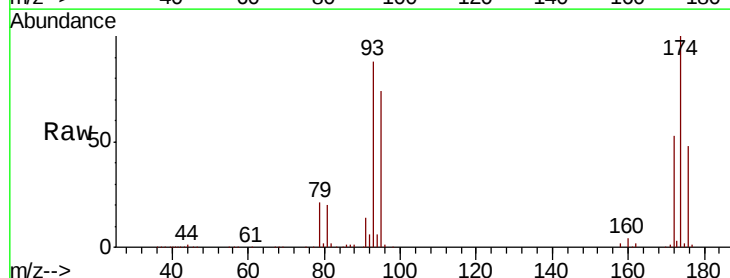
Manual Integrations
 APPROVED

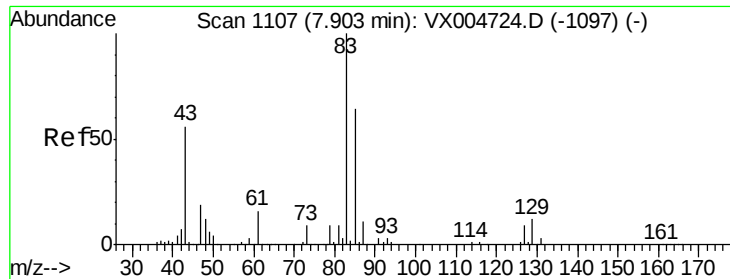
MMDadoda
 9/27/2018 12:51:20 PM



#46
 Dibromomethane
 Concen: 50.177 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX004761.D
 Acq: 27 Sep 2018 08:38

Tgt Ion: 93 Resp: 128168
 Ion Ratio Lower Upper
 93 100
 95 83.7 65.5 98.3
 174 114.7 94.2 141.4





#47

Bromodichloromethane

Concen: 50.999 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

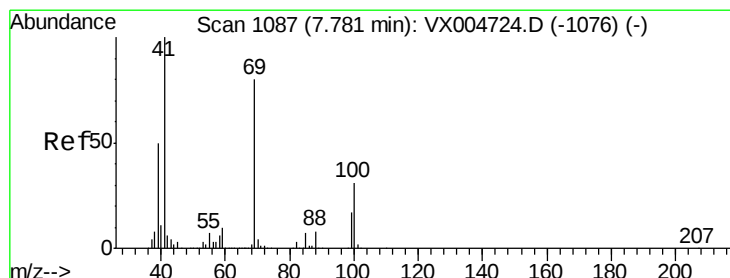
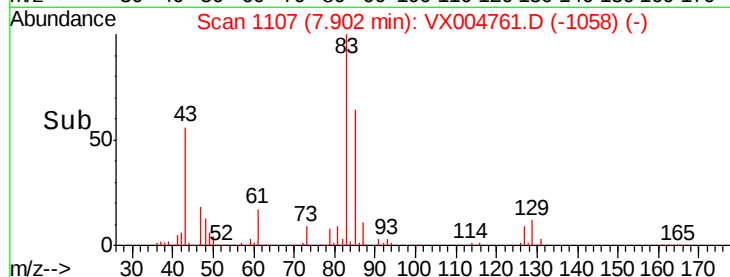
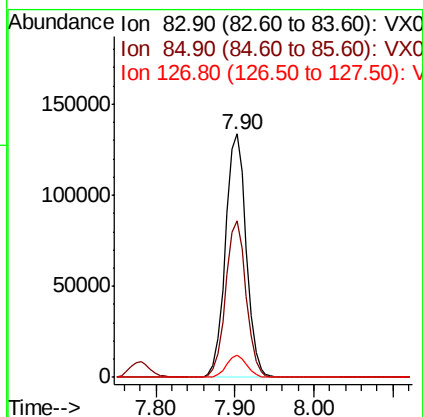
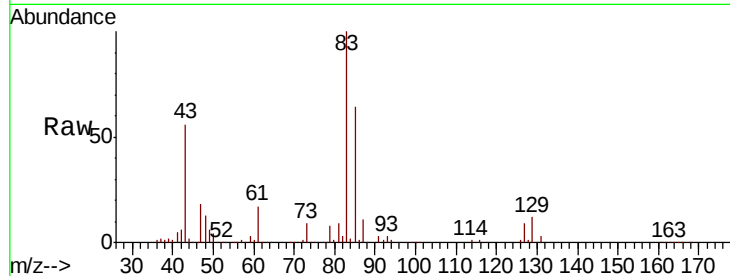
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	243893
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.9	76.3
127	9.1	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
9/27/2018 12:51:20 PM



#48

Methyl methacrylate

Concen: 55.114 ug/l

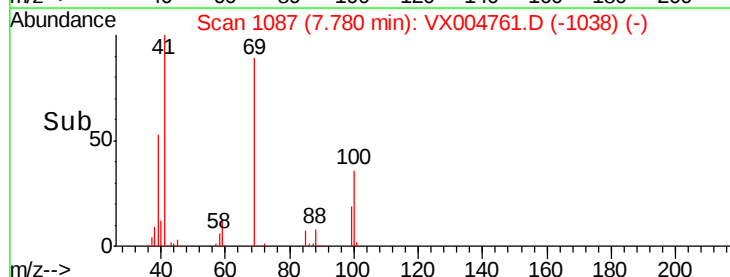
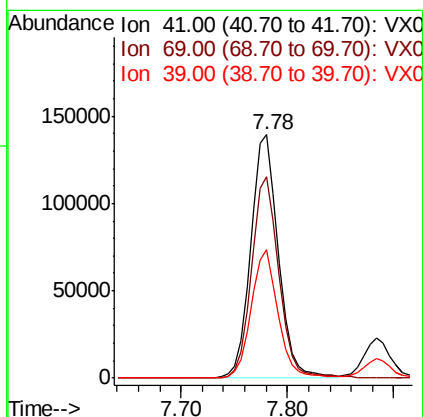
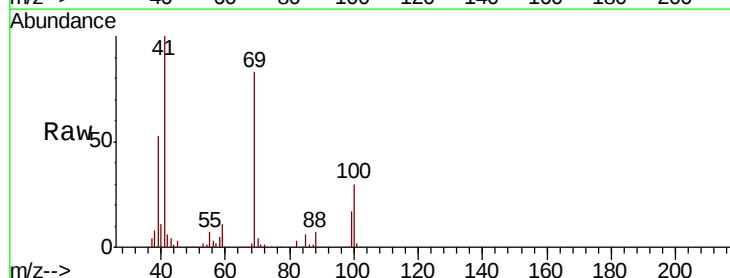
RT: 7.78 min Scan# 1087

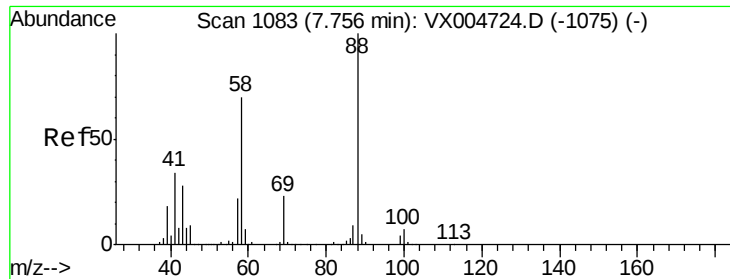
Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Tgt Ion:	41	Resp:	253723
Ion	Ratio	Lower	Upper
41	100		
69	82.4	70.2	105.4
39	51.1	42.7	64.1





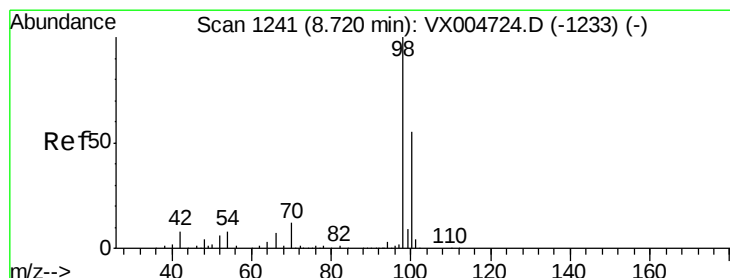
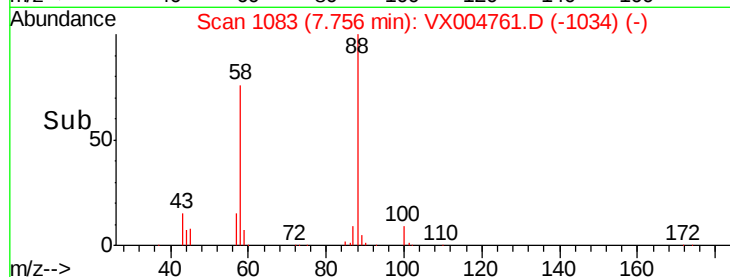
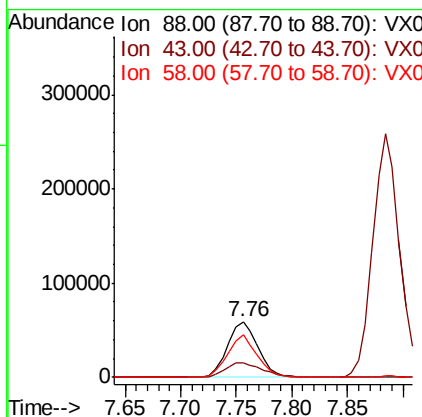
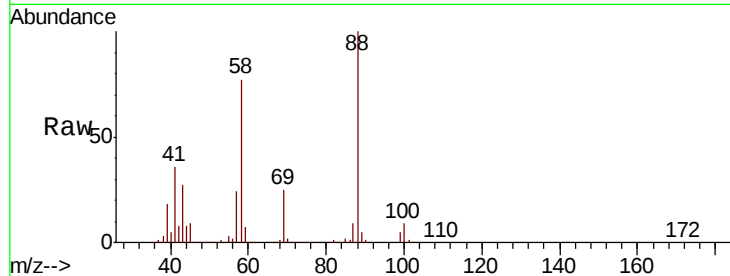
#49
1,4-Dioxane
Concen: 976.862 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.4	24.7	37.1
58	74.2	55.3	82.9

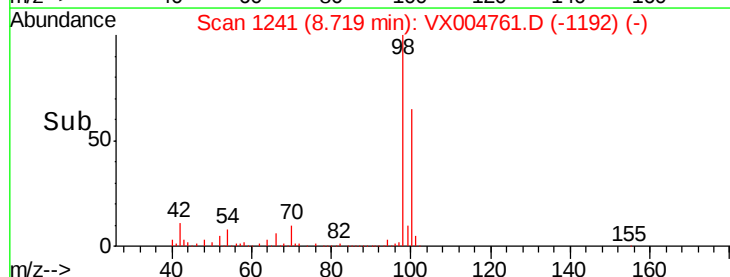
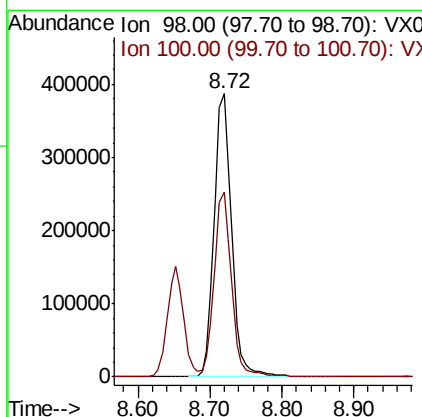
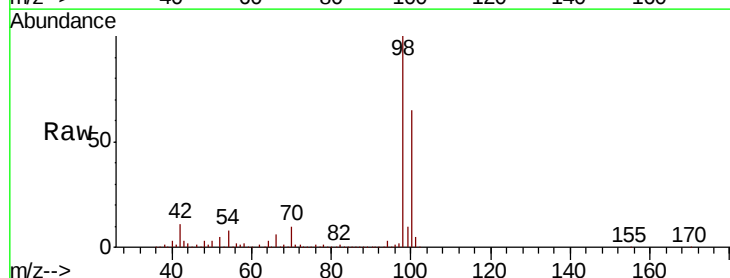
Manual Integrations
APPROVED

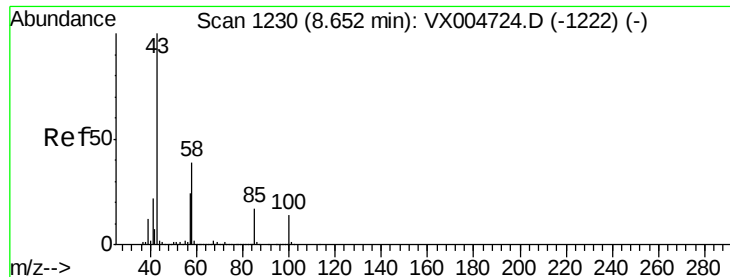
MMDadoda
9/27/2018 12:51:20 PM



#50
Toluene-d8
Concen: 50.414 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 265.467 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1695343

Ion Ratio Lower Upper

43 100

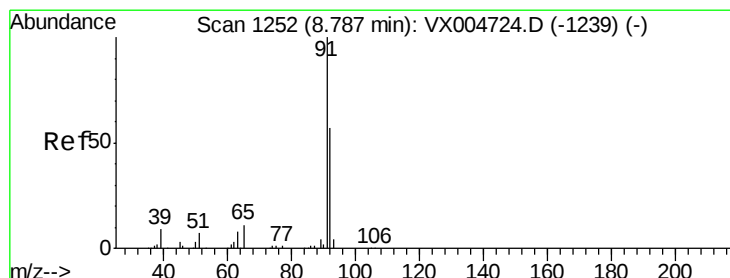
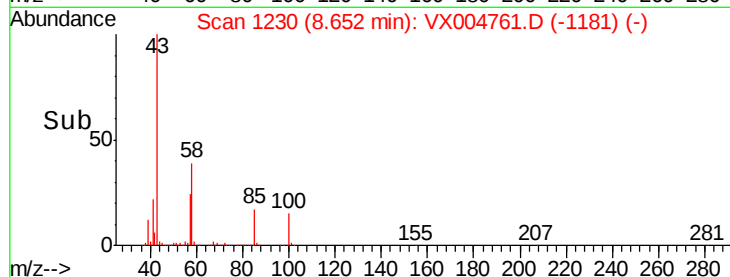
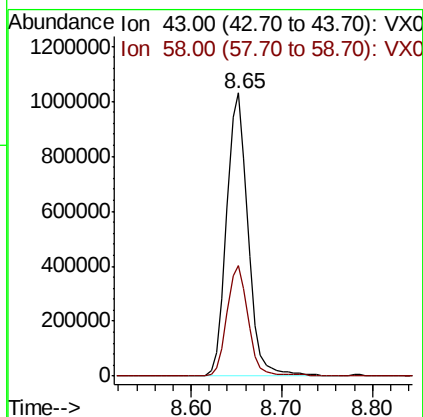
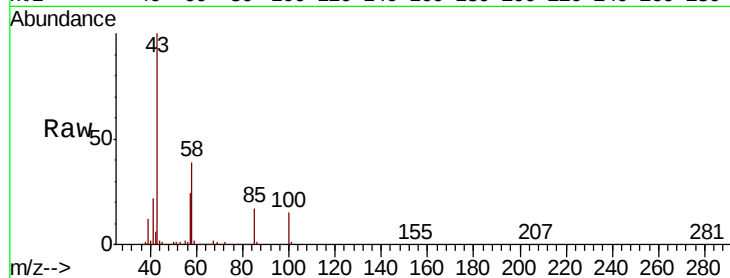
58 39.2 33.1 49.7

Manual Integrations

APPROVED

MMDadoda

9/27/2018 12:51:20 PM



#52

Toluene

Concen: 51.560 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004761.D

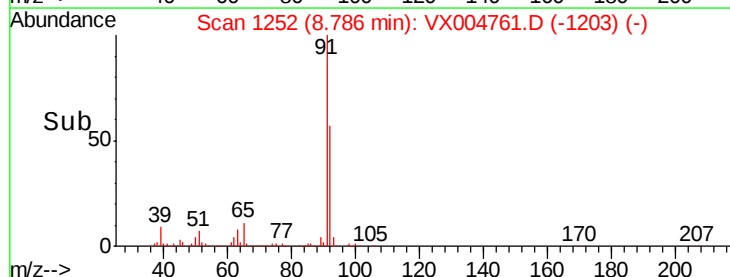
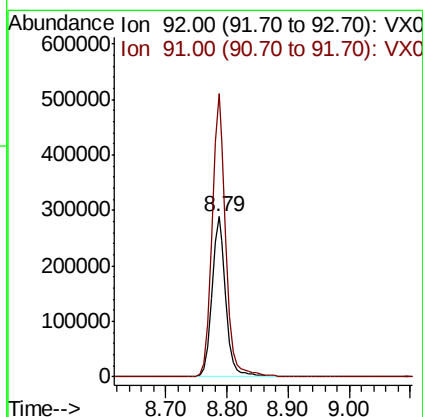
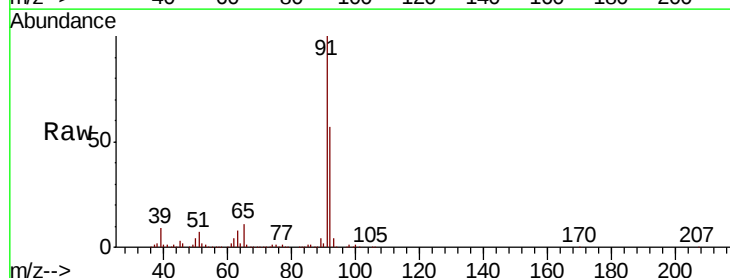
Acq: 27 Sep 2018 08:38

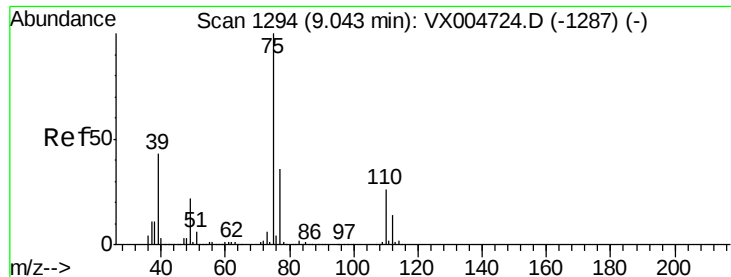
Tgt Ion: 92 Resp: 469558

Ion Ratio Lower Upper

92 100

91 173.8 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 48.385 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Tot Ion: 75 Resp: 261481

Ion Ratio Lower Upper

75 100

77 30.7 24.6 37.0

Instrument :

MSVOA_X

ClientSampleId :

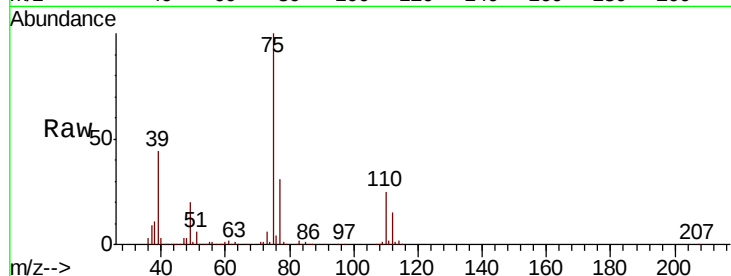
VSTDCCC050EC

Manual Integrations

APPROVED

MMDadoda

9/27/2018 12:51:20 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

200000

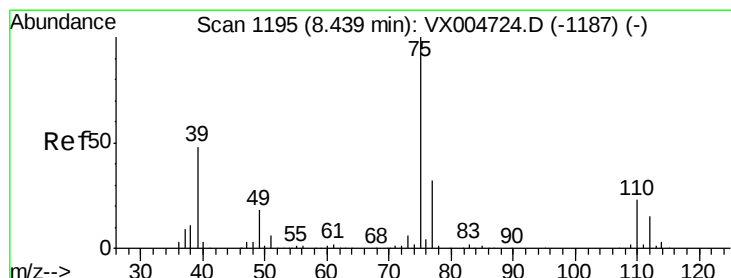
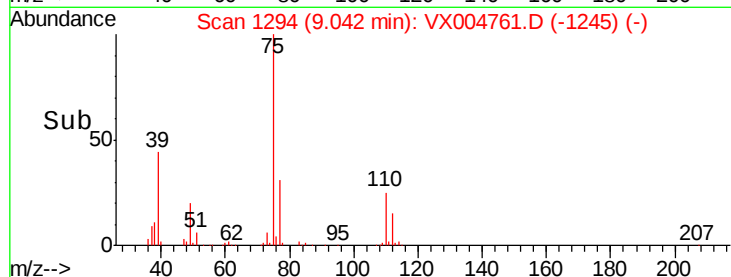
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.900 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

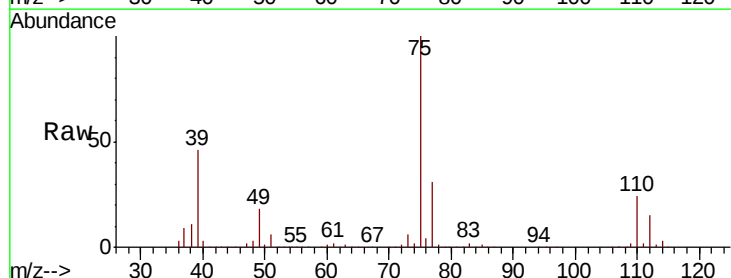
Tgt Ion: 75 Resp: 282462

Ion Ratio Lower Upper

75 100

77 31.0 26.2 39.2

39 46.2 36.4 54.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

250000

200000

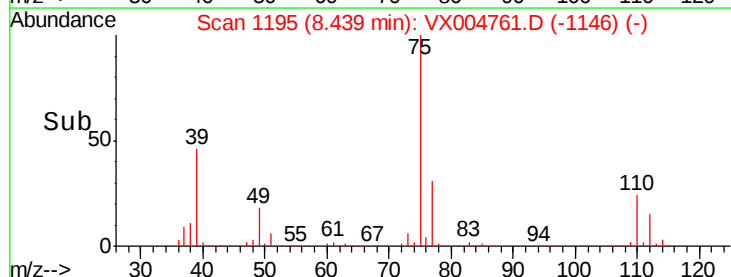
150000

100000

50000

0

Time-->





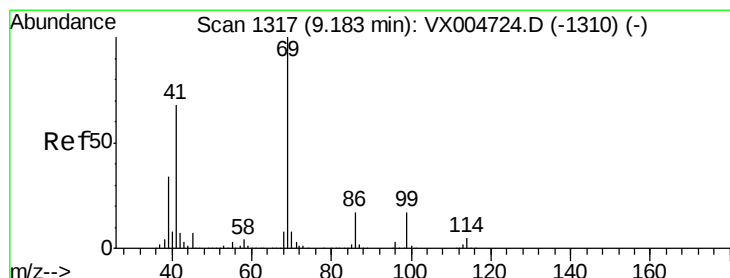
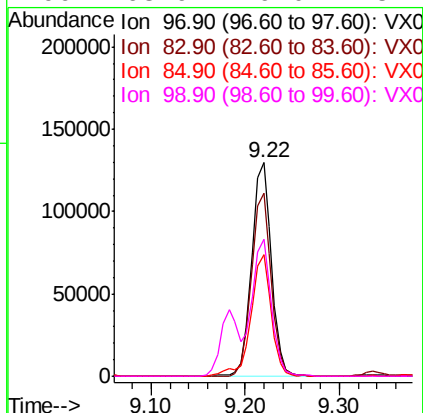
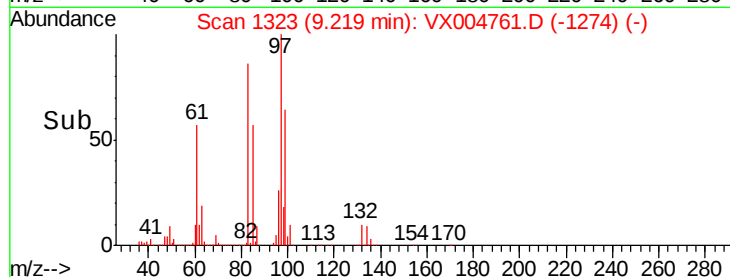
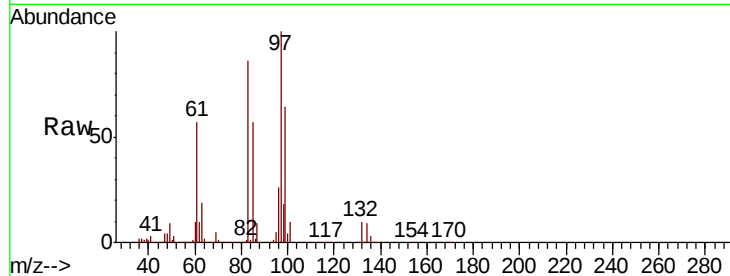
#55
 1,1,2-Trichloroethane
 Concen: 48.055 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004761.D
 Acq: 27 Sep 2018 08:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		191697		
83	86.0	66.4	99.6		
85	56.7	43.3	64.9		
99	63.9	49.0	73.4		

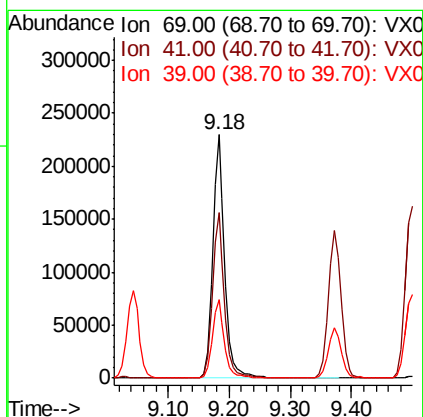
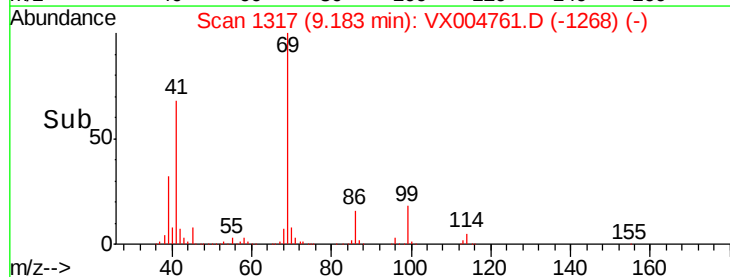
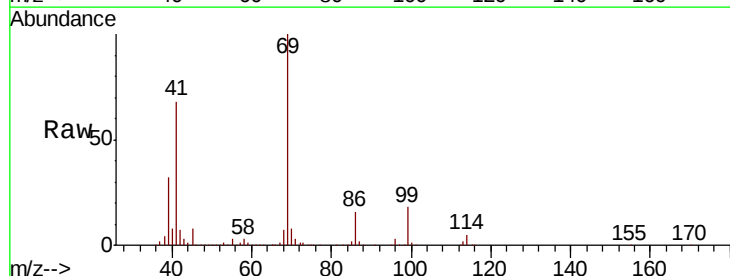
Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 12:51:20 PM



#56
 Ethyl methacrylate
 Concen: 49.200 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004761.D
 Acq: 27 Sep 2018 08:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		318172		
41	68.2	51.0	76.4		
39	32.5	26.1	39.1		





#57

1,3-Dichloropropane

Concen: 48.256 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 320381

Ion Ratio Lower Upper

76 100

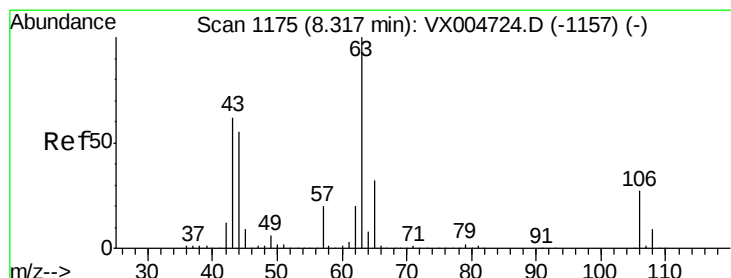
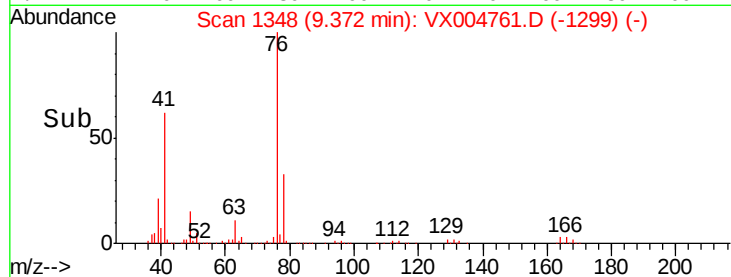
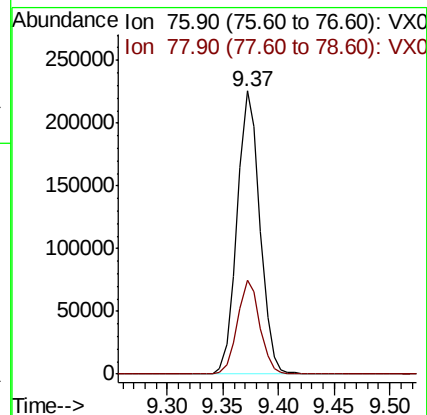
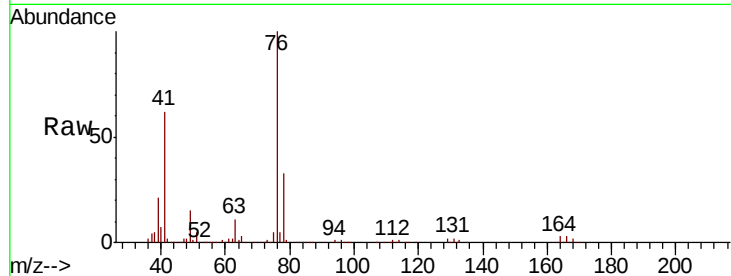
78 32.6 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

9/27/2018 12:51:20 PM



#58

2-Chloroethyl Vinyl ether

Concen: 246.605 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX004761.D

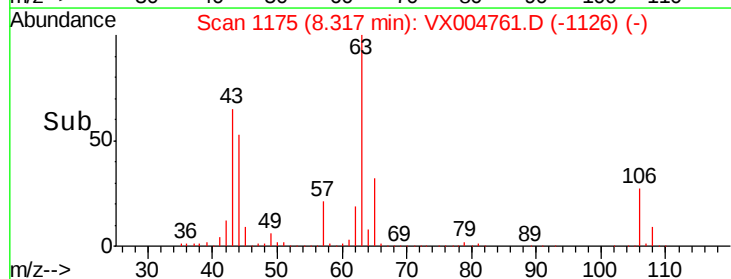
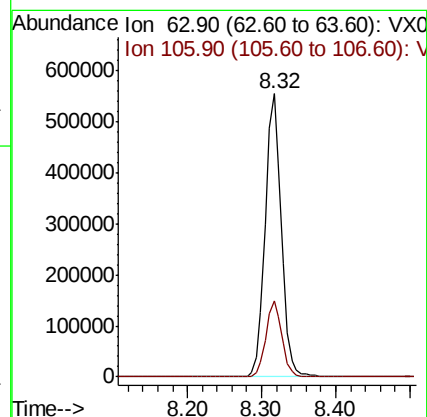
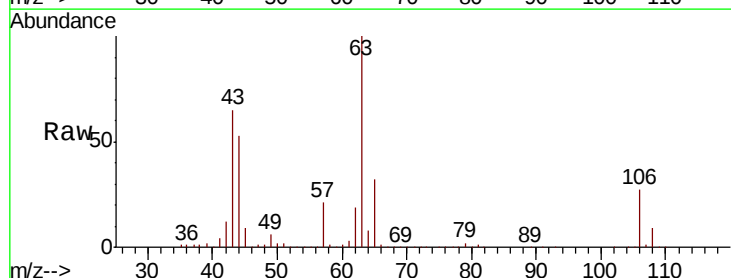
Acq: 27 Sep 2018 08:38

Tgt Ion: 63 Resp: 846930

Ion Ratio Lower Upper

63 100

106 26.8 23.9 35.9





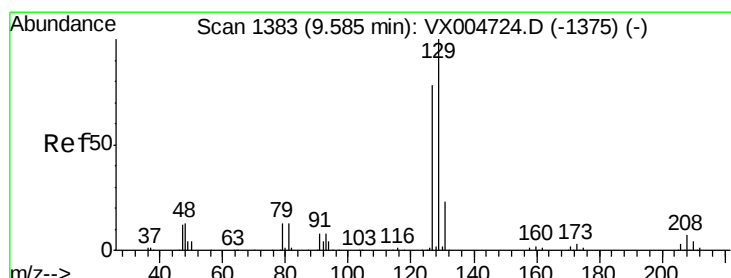
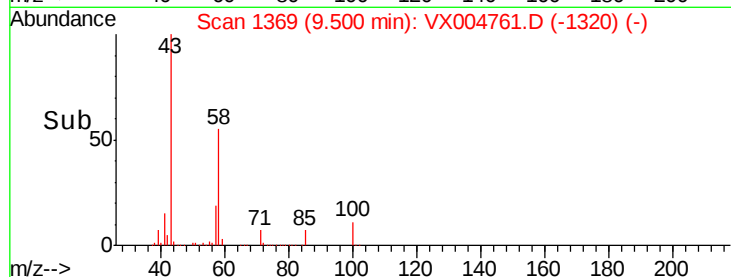
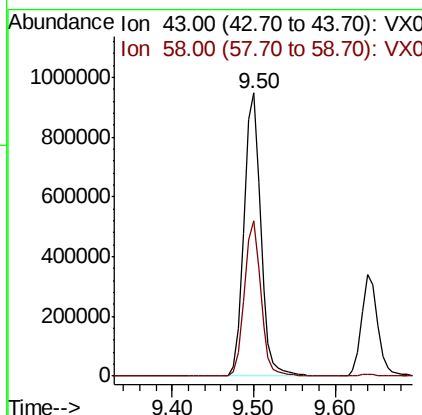
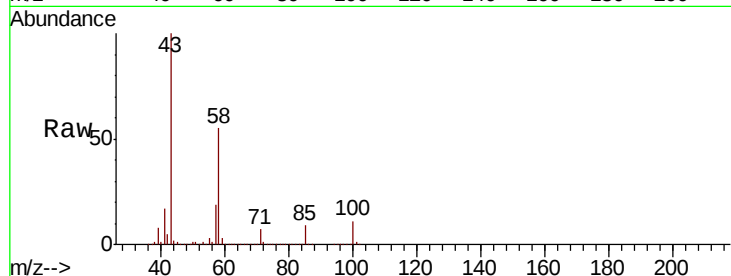
#59
2-Hexanone
Concen: 251.892 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1340517
Ion Ratio Lower Upper
43 100
58 54.2 29.0 87.0

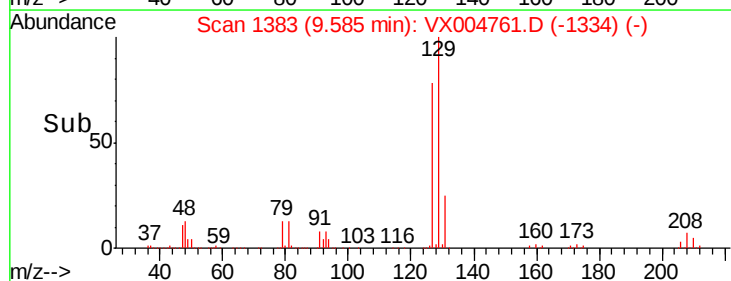
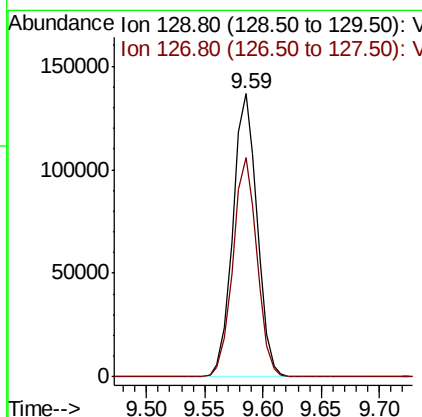
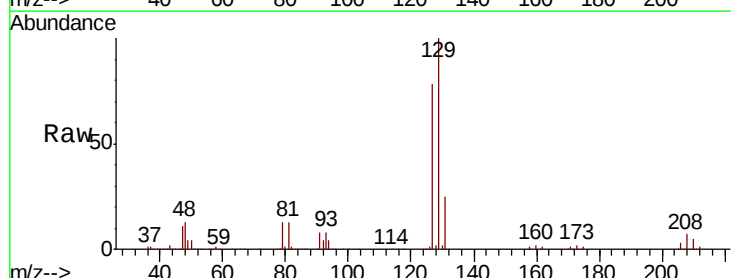
Manual Integrations
APPROVED

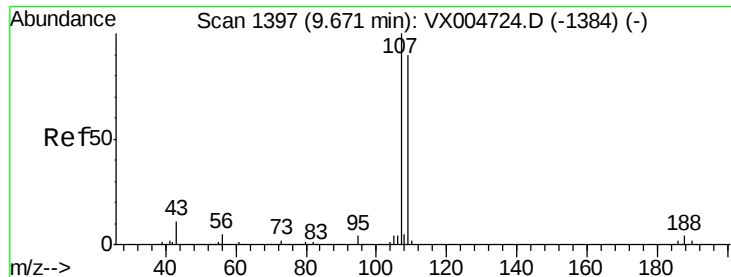
MMDadoda
9/27/2018 12:51:20 PM



#60
Dibromochloromethane
Concen: 49.832 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Tgt Ion: 129 Resp: 198802
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 47.233 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 201786

Ion Ratio Lower Upper

107 100

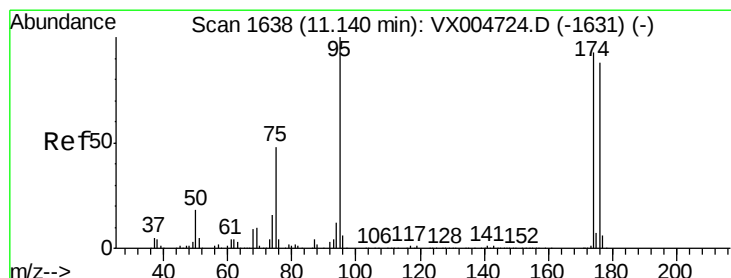
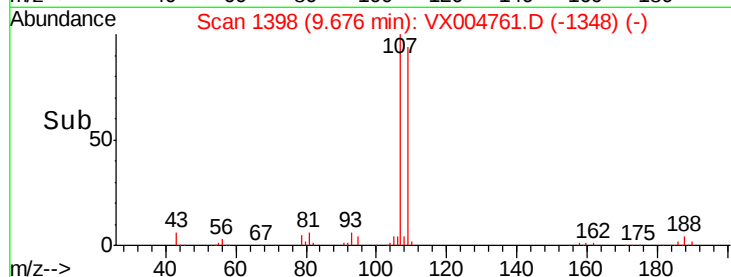
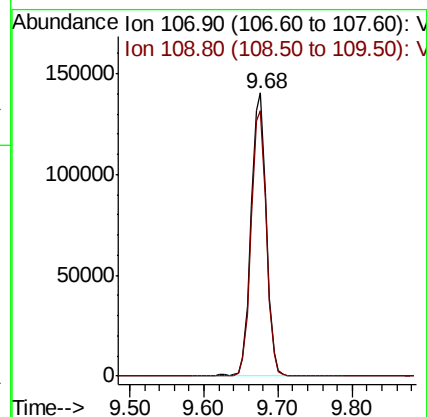
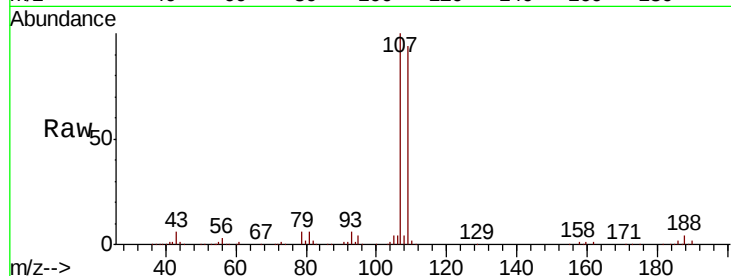
109 94.3 76.0 114.0

Manual Integrations

APPROVED

MMDadoda

9/27/2018 12:51:20 PM



#62

4-Bromofluorobenzene

Concen: 51.639 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

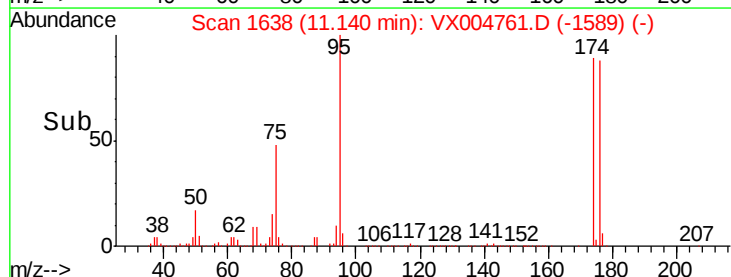
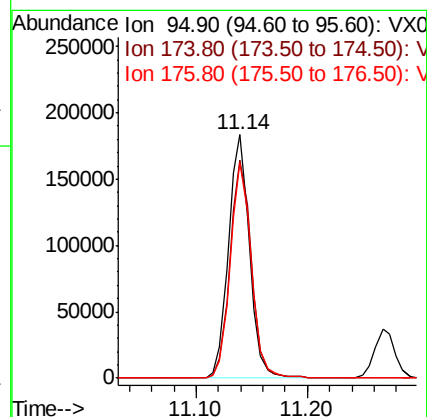
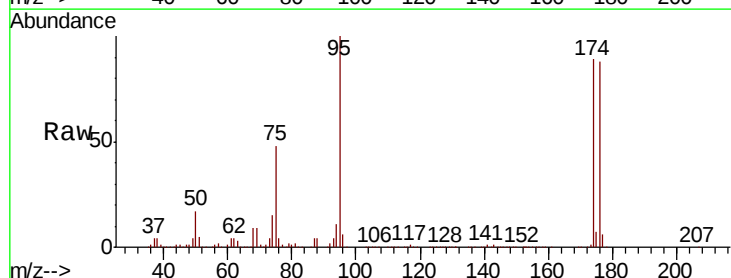
Tgt Ion: 95 Resp: 239969

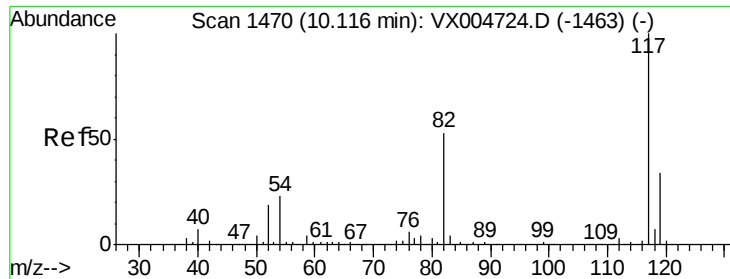
Ion Ratio Lower Upper

95 100

174 90.9 0.0 185.2

176 88.4 0.0 178.6





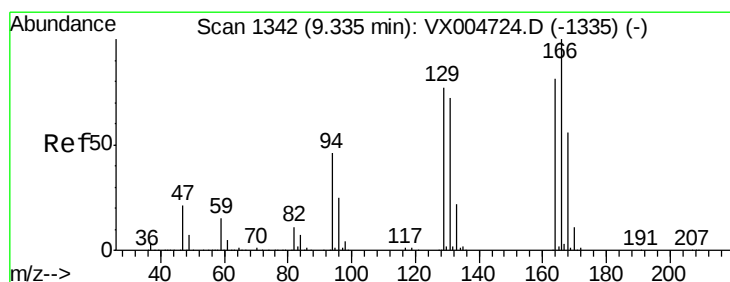
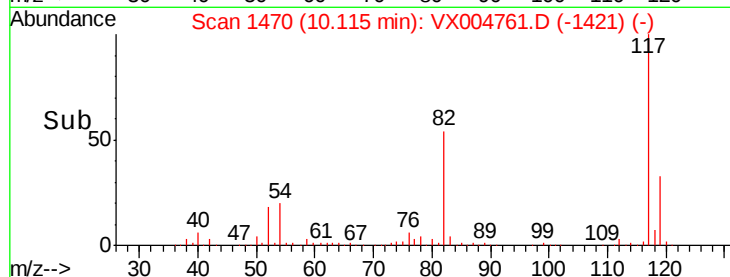
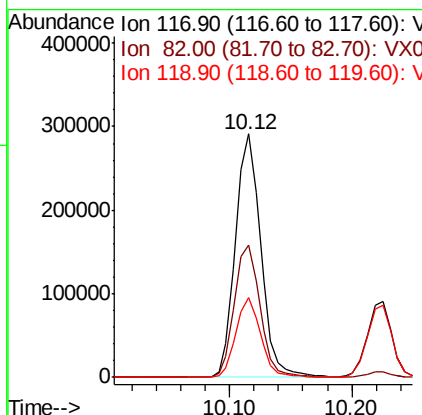
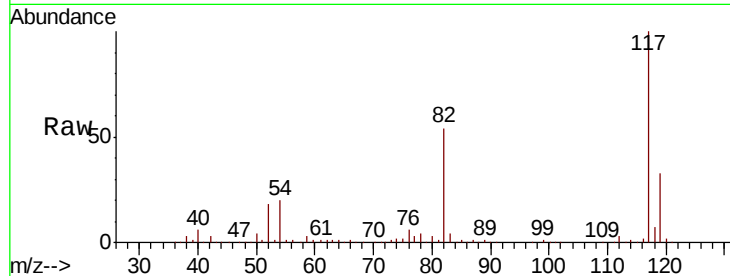
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	47.8	71.6
119	32.7	29.3	43.9

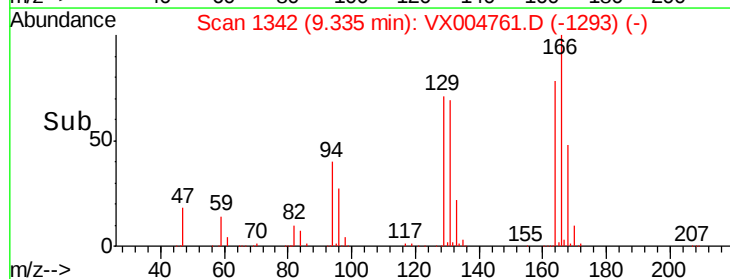
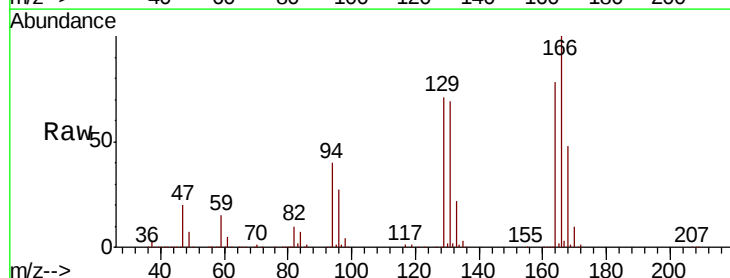
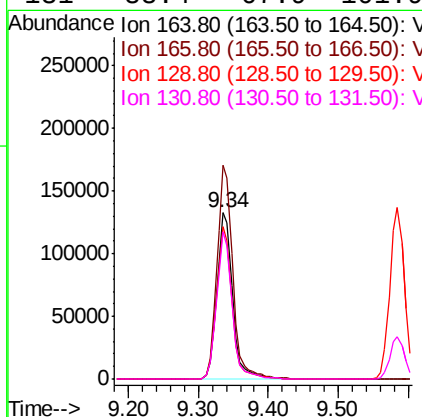
Manual Integrations
APPROVED

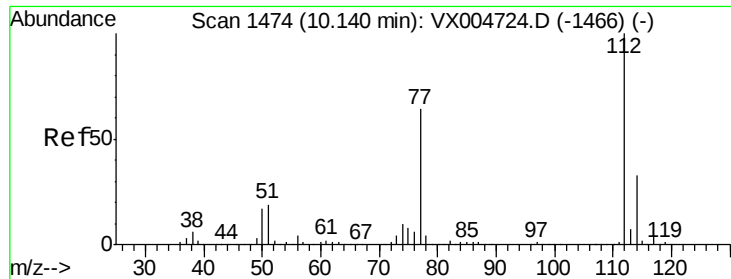
MMDadoda
9/27/2018 12:51:20 PM



#64
Tetrachloroethene
Concen: 50.155 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	102.8	154.2
129	91.8	69.4	104.0
131	88.4	67.9	101.9





#65

Chlorobenzene

Concen: 48.841 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 523559

Ion Ratio Lower Upper

112 100

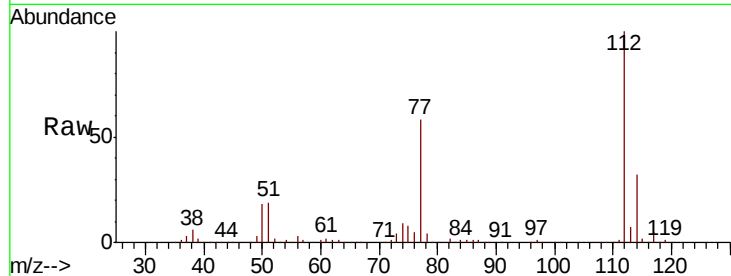
114 32.3 27.8 41.8

Manual Integrations

APPROVED

MMDadoda

9/27/2018 12:51:20 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

400000

300000

200000

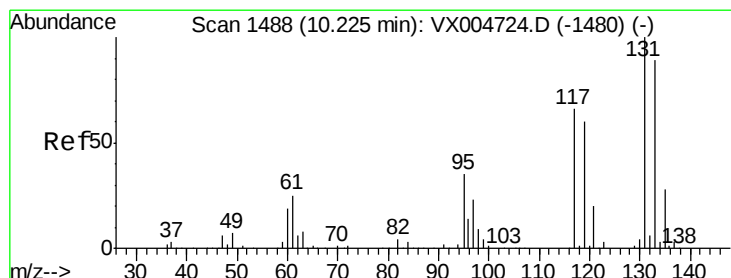
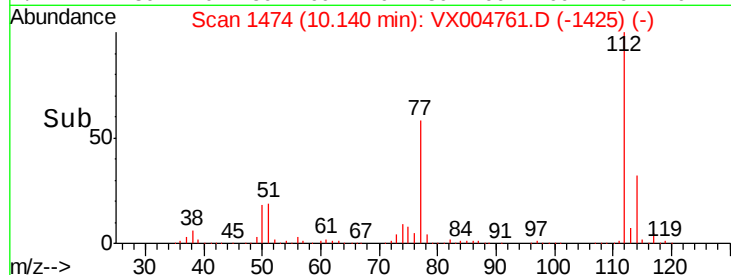
100000

0

10.00

10.20

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 49.419 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

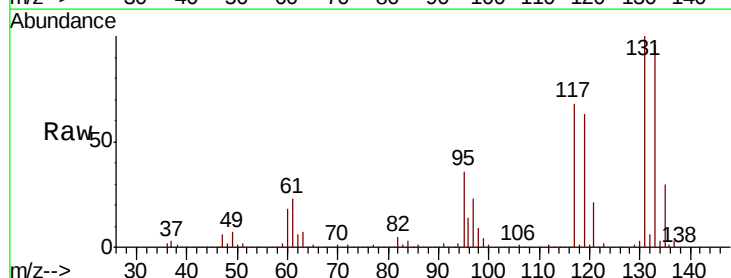
Tgt Ion:131 Resp: 186240

Ion Ratio Lower Upper

131 100

133 95.9 48.1 144.4

119 65.1 32.9 98.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

150000

100000

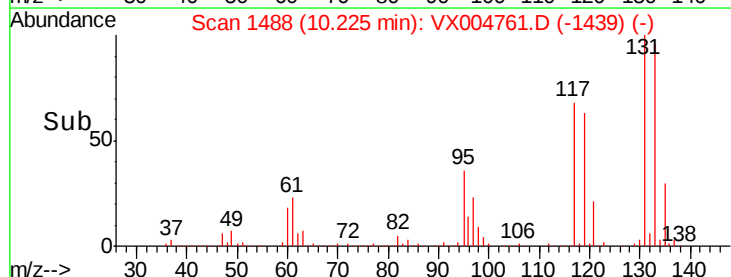
50000

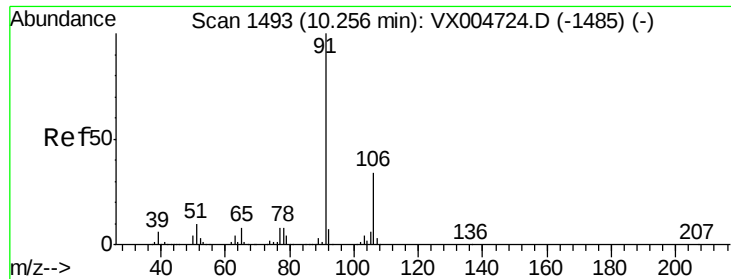
0

10.20

10.30

Time-->





#67

Ethyl Benzene

Concen: 52.853 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 899495

Ion Ratio Lower Upper

91 100

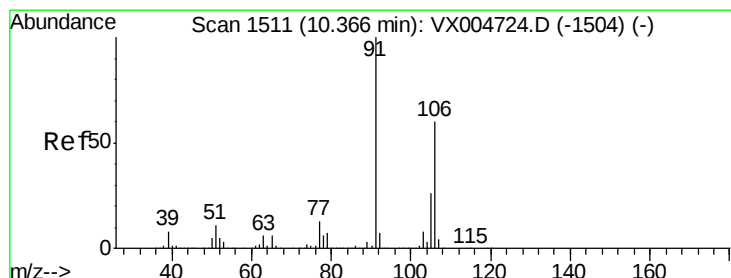
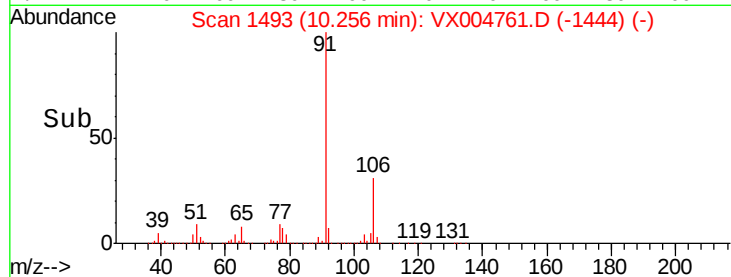
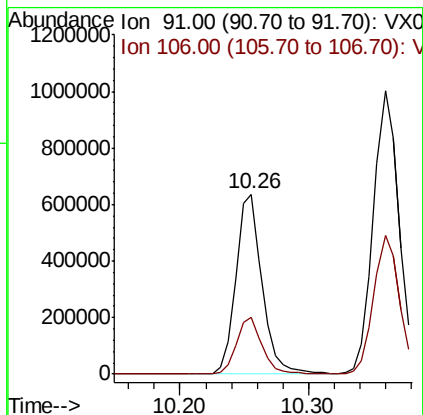
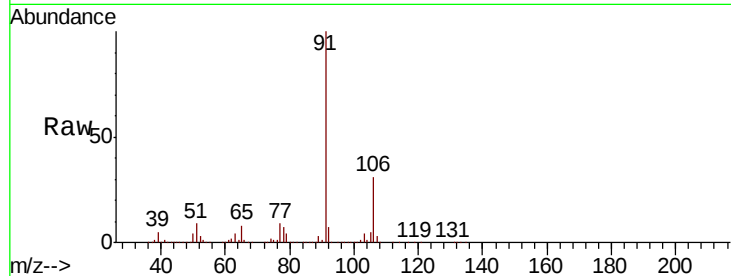
106 31.5 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

9/27/2018 12:51:20 PM



#68

m/p-Xylenes

Concen: 104.601 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX004761.D

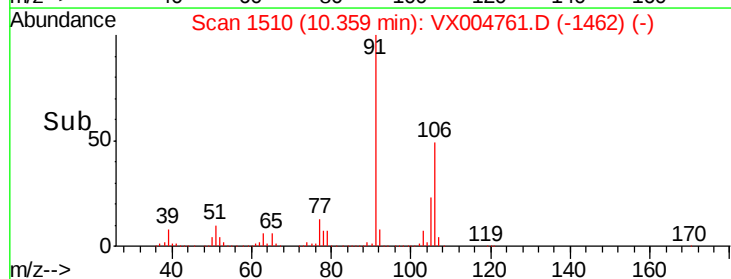
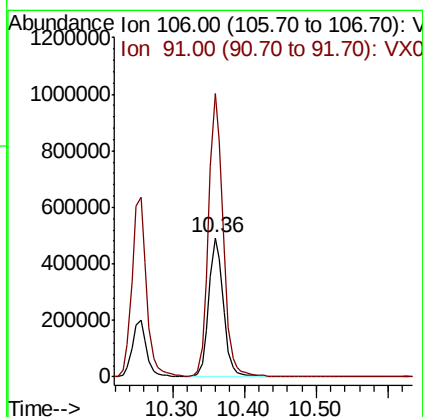
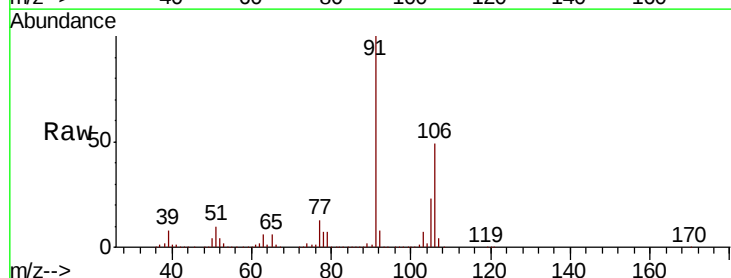
Acq: 27 Sep 2018 08:38

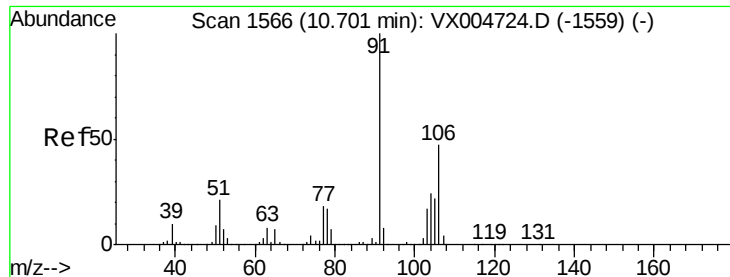
Tgt Ion: 106 Resp: 695648

Ion Ratio Lower Upper

106 100

91 202.8 157.1 235.7





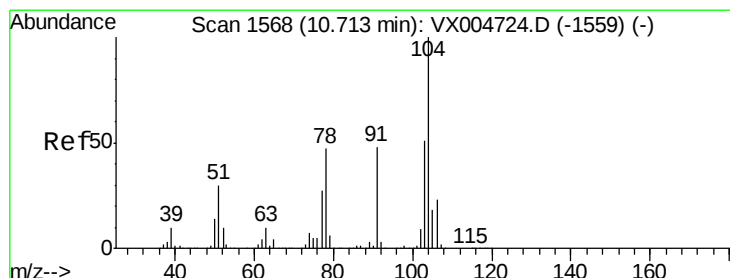
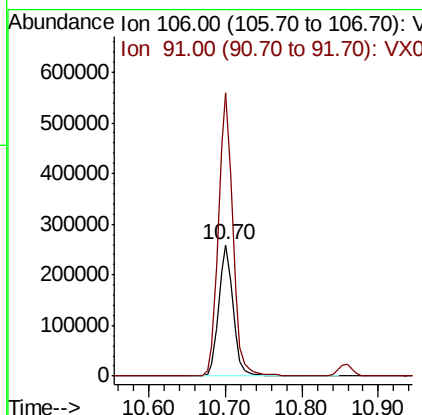
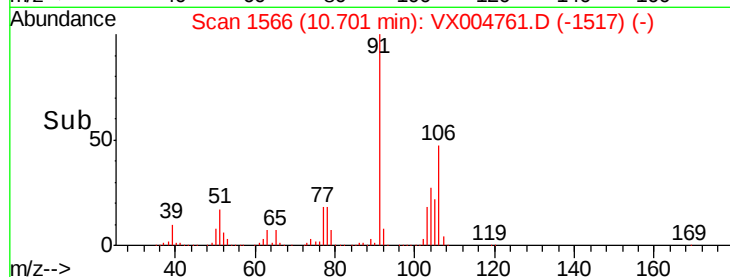
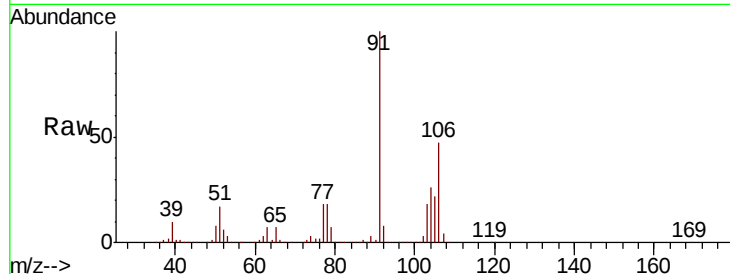
#69
o-Xylene
Concen: 55.309 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 337849
Ion Ratio Lower Upper
106 100
91 215.6 105.1 315.1

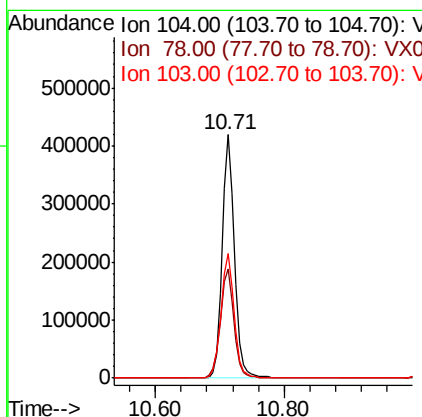
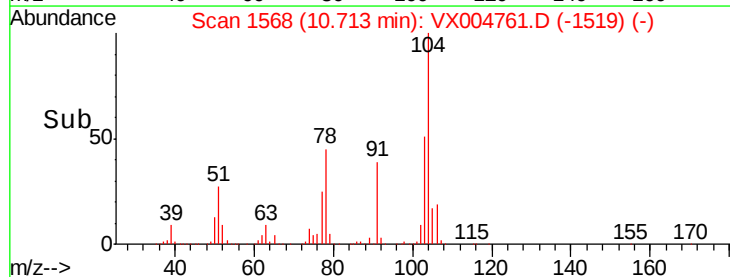
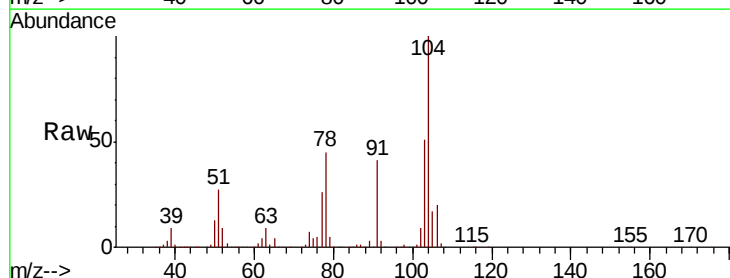
Manual Integrations
APPROVED

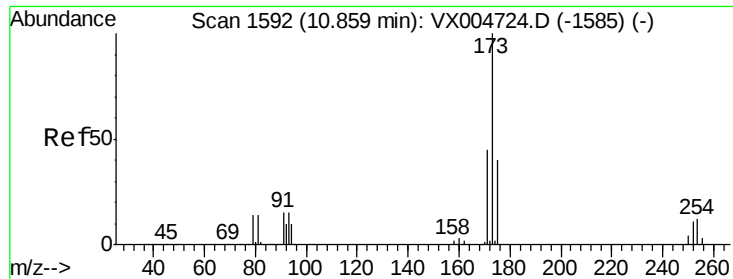
MMDadoda
9/27/2018 12:51:20 PM



#70
Styrene
Concen: 49.609 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Tgt Ion:104 Resp: 566569
Ion Ratio Lower Upper
104 100
78 49.6 37.4 56.0
103 55.4 43.8 65.6





#71

Bromoform

Concen: 50.569 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 163156

Ion Ratio Lower Upper

173 100

175 48.2 24.1 72.3

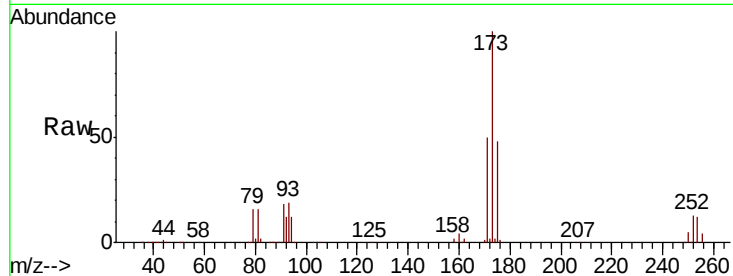
254 0.1 0.2 0.2#

Manual Integrations

APPROVED

MMDadoda

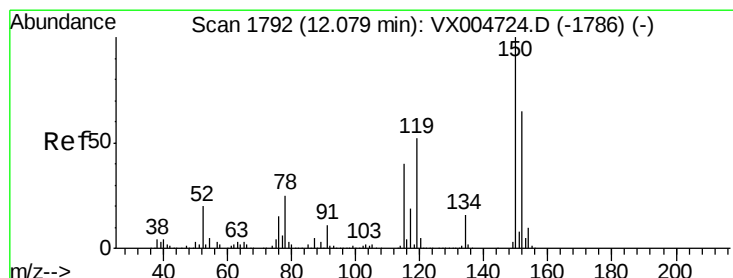
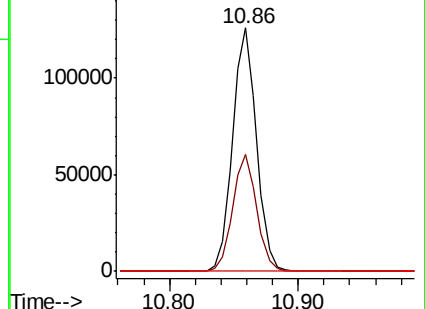
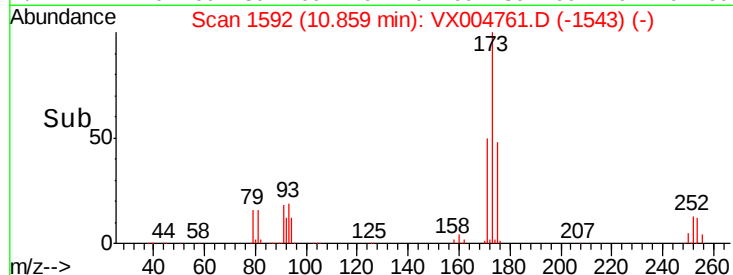
9/27/2018 12:51:20 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

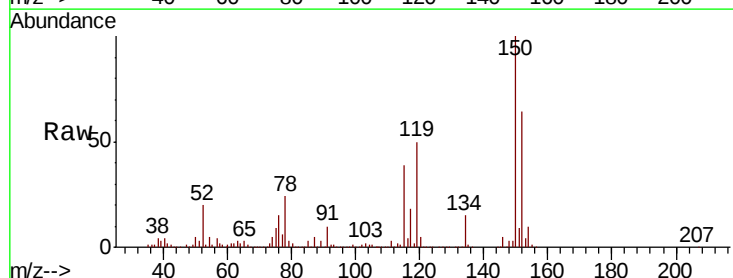
Tgt Ion:152 Resp: 248649

Ion Ratio Lower Upper

152 100

115 79.9 39.0 117.0

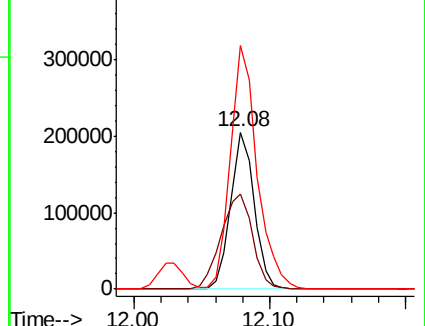
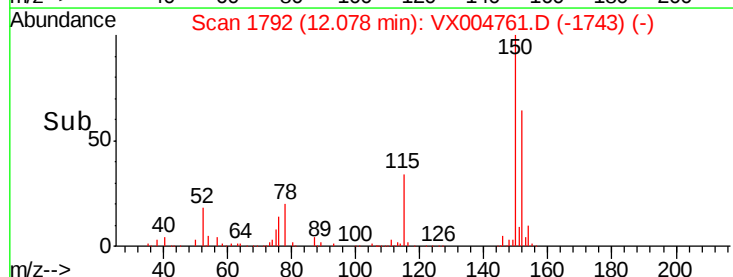
150 175.4 0.0 351.0

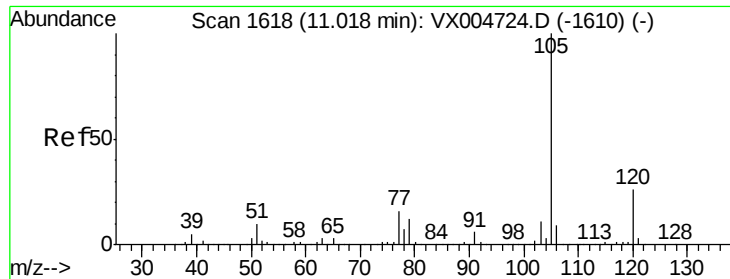


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 57.049 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 894114

Ion Ratio Lower Upper

105 100

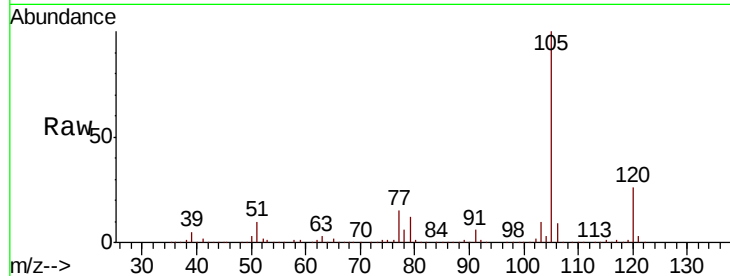
120 26.6 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

9/27/2018 12:51:20 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

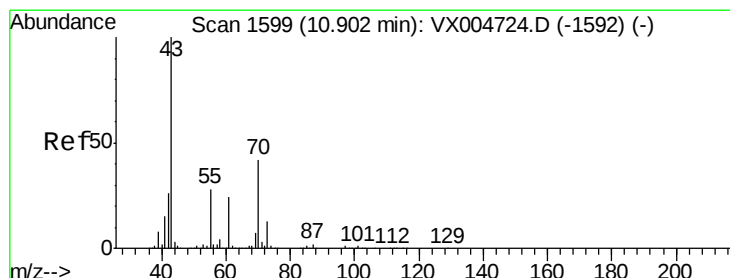
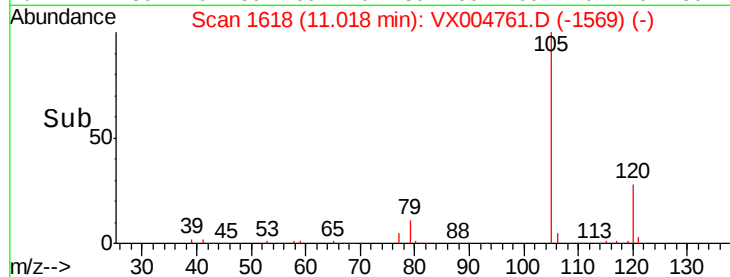
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 52.272 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Tgt Ion: 43 Resp: 451004

Ion Ratio Lower Upper

43 100

70 41.1 37.4 56.0

55 24.0 21.8 32.8

61 24.0 20.6 30.8

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

10.90

500000

400000

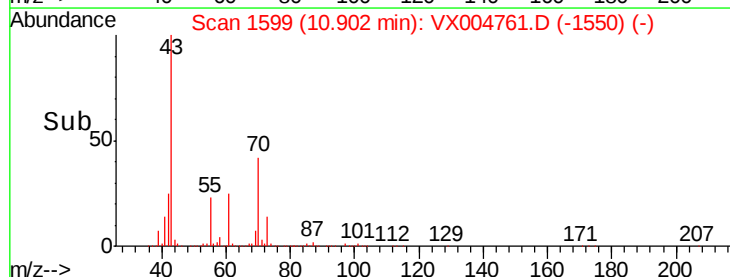
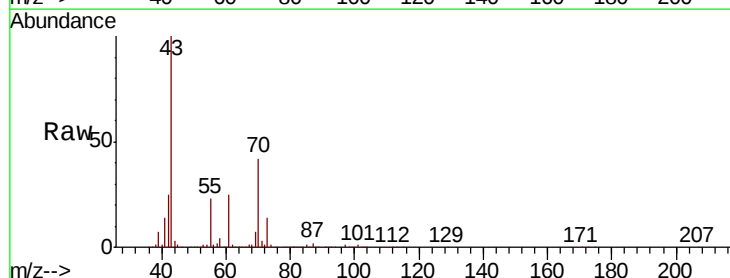
300000

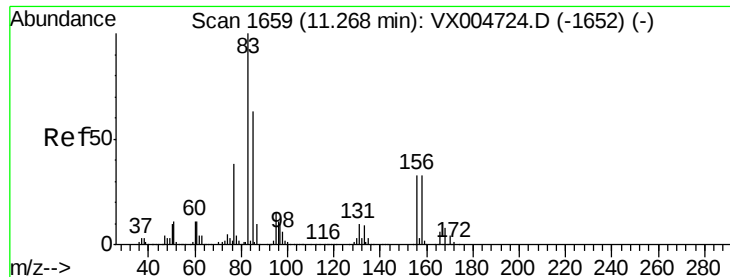
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.244 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 314170

Ion Ratio Lower Upper

83 100

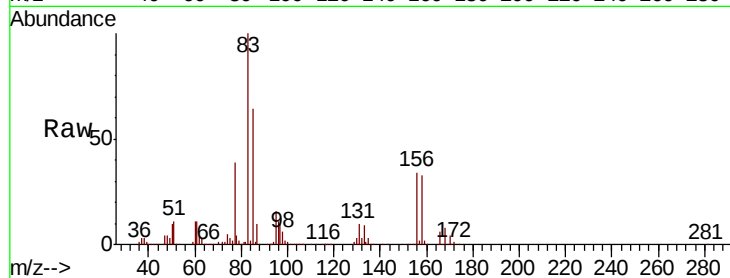
131 10.2 5.2 15.6

85 63.9 32.3 96.8

Manual Integrations
APPROVED

MMDadoda

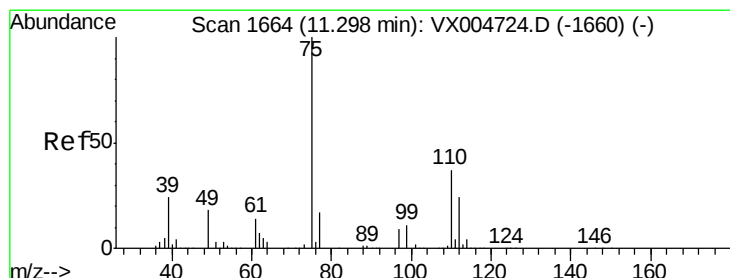
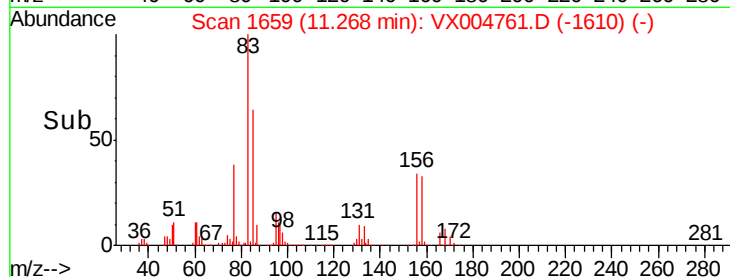
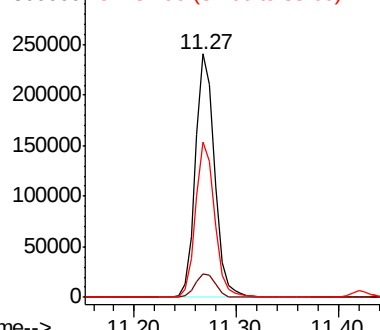
9/27/2018 12:51:20 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 50.414 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX004761.D

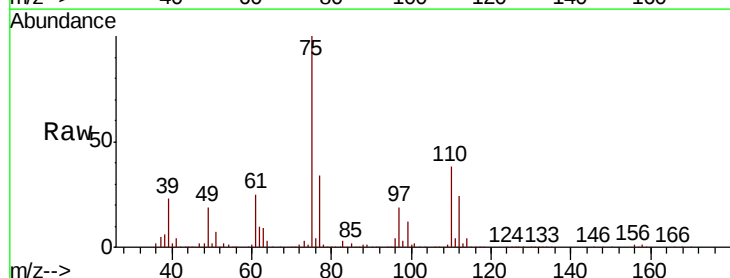
Acq: 27 Sep 2018 08:38

Tgt Ion: 75 Resp: 280961

Ion Ratio Lower Upper

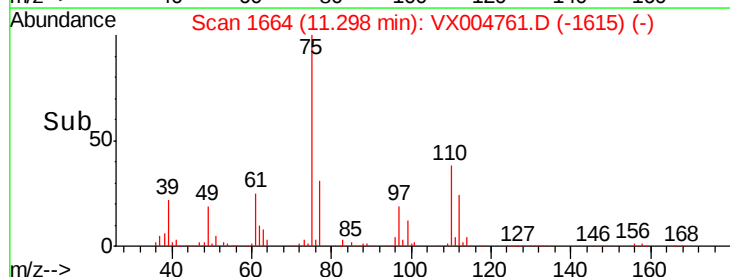
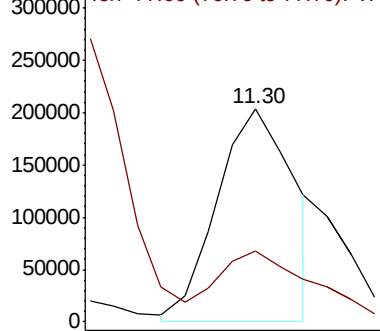
75 100

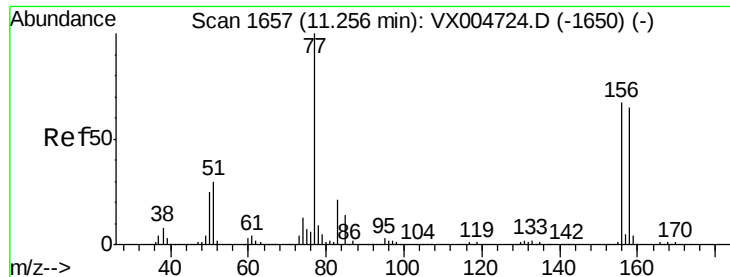
77 41.4 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 52.960 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 241087

Ion Ratio Lower Upper

156 100

77 146.4 71.5 214.3

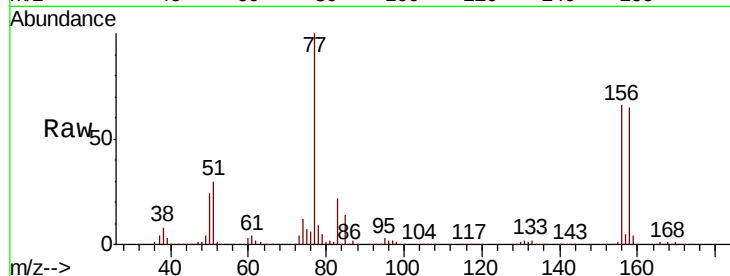
158 97.7 48.9 146.8

Manual Integrations

APPROVED

MMDadoda

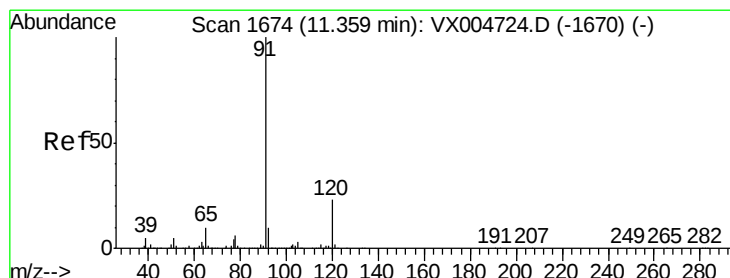
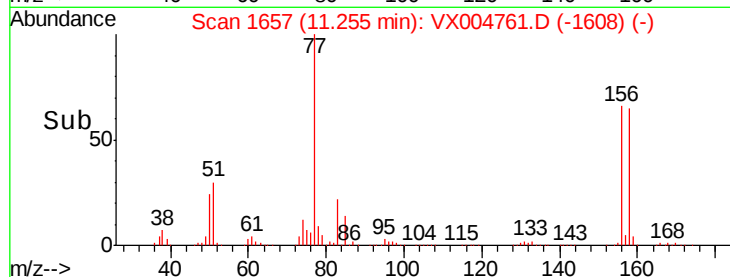
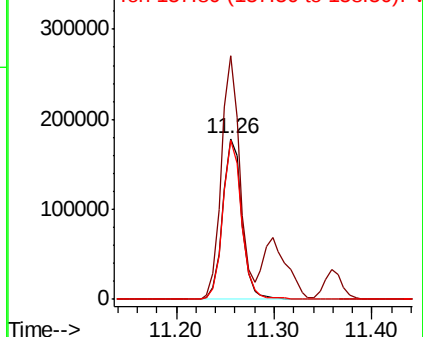
9/27/2018 12:51:20 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 57.253 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004761.D

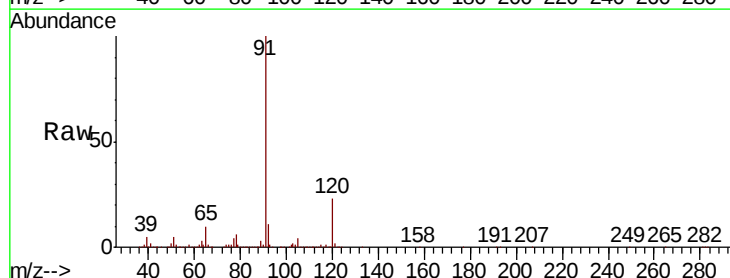
Acq: 27 Sep 2018 08:38

Tgt Ion: 91 Resp: 1029552

Ion Ratio Lower Upper

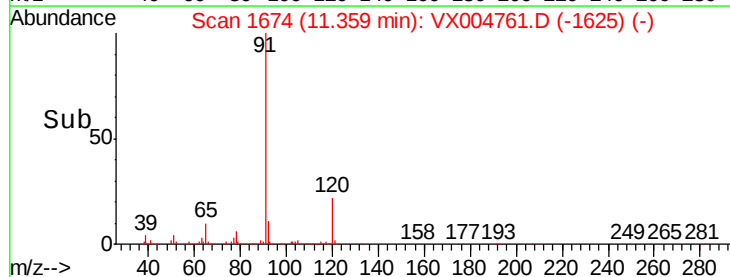
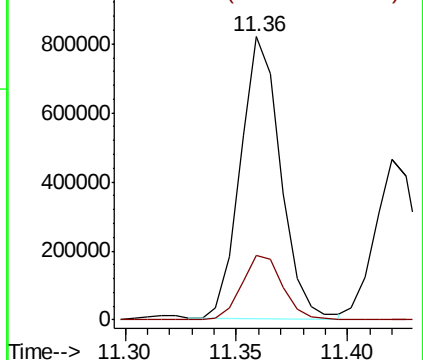
91 100

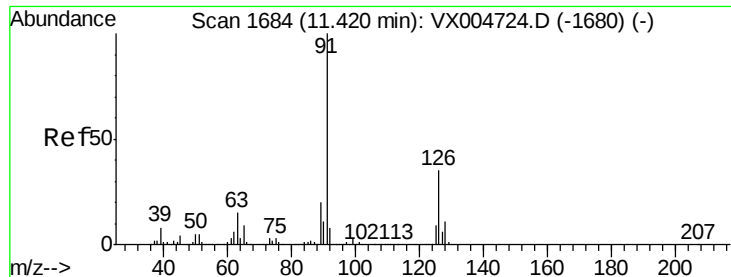
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.370 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 609425

Ion Ratio Lower Upper

91 100

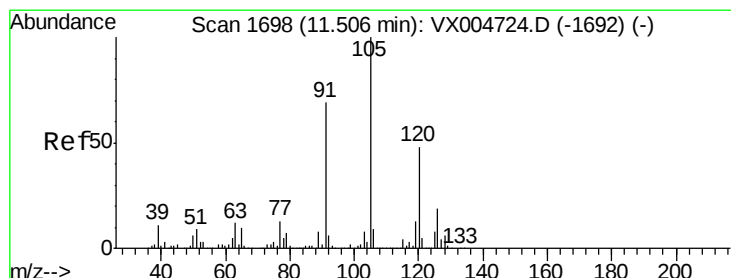
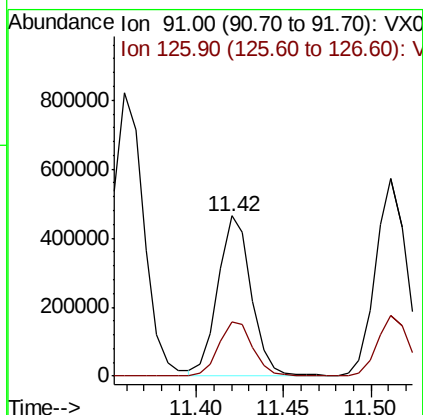
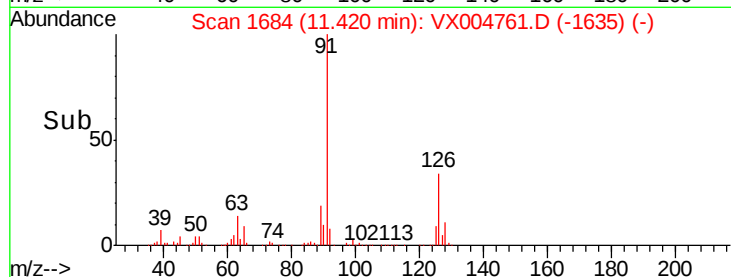
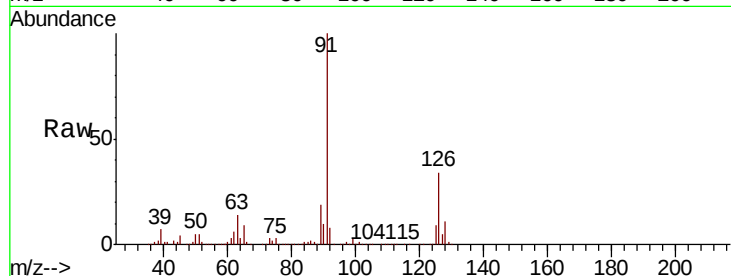
126 35.0 17.9 53.7

Manual Integrations

APPROVED

MMDadoda

9/27/2018 12:51:20 PM



#80

1,3,5-Trimethylbenzene

Concen: 53.017 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004761.D

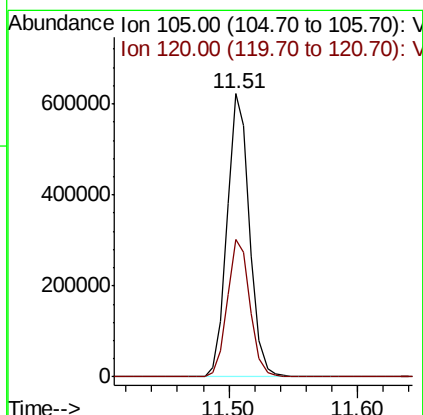
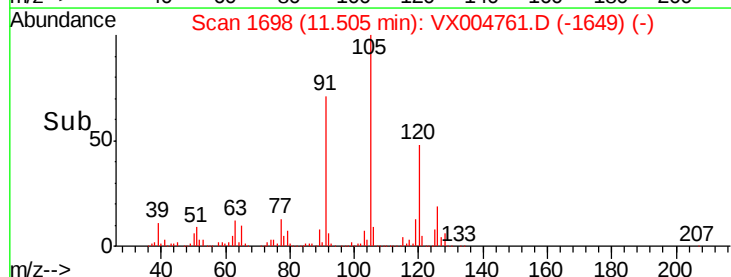
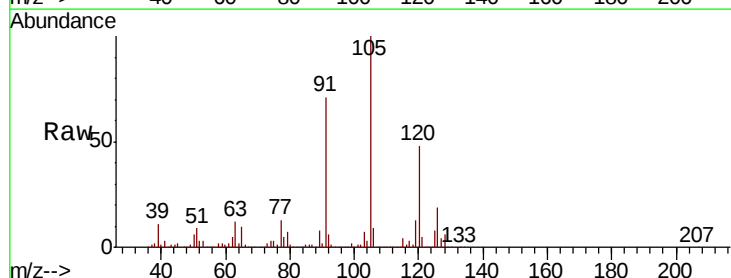
Acq: 27 Sep 2018 08:38

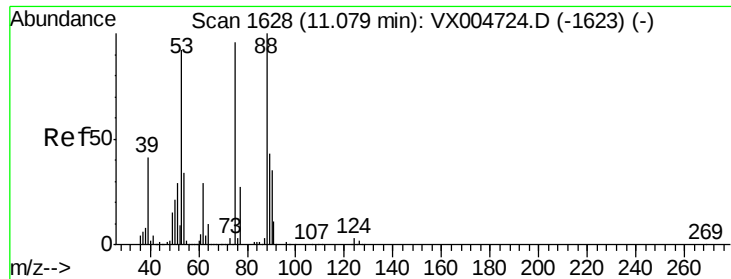
Tgt Ion: 105 Resp: 761398

Ion Ratio Lower Upper

105 100

120 49.0 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 40.010 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 80912

Ion Ratio Lower Upper

75 100

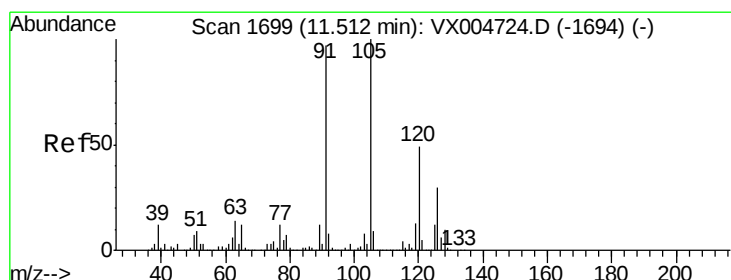
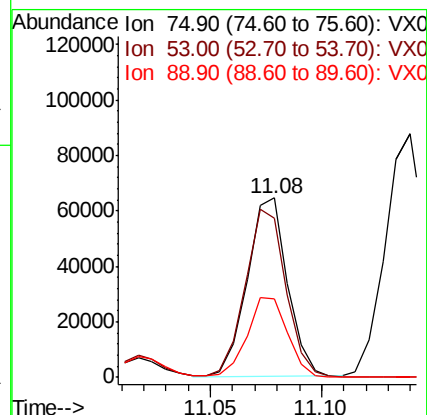
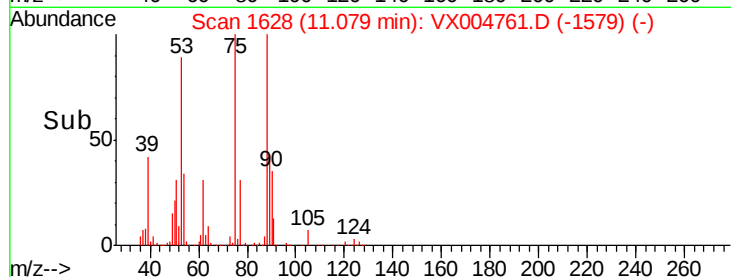
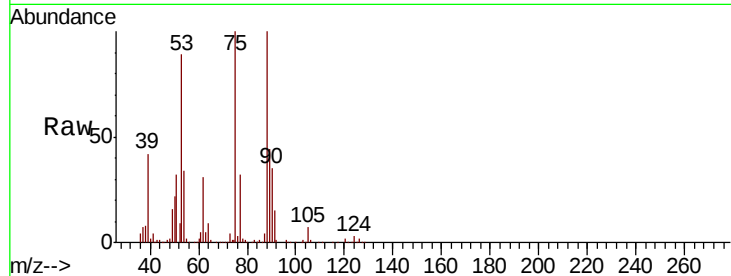
53 95.5 80.1 120.1

89 45.2 37.2 55.8

Manual Integrations
APPROVED

MMDadoda

9/27/2018 12:51:20 PM



#82

4-Chlorotoluene

Concen: 54.601 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004761.D

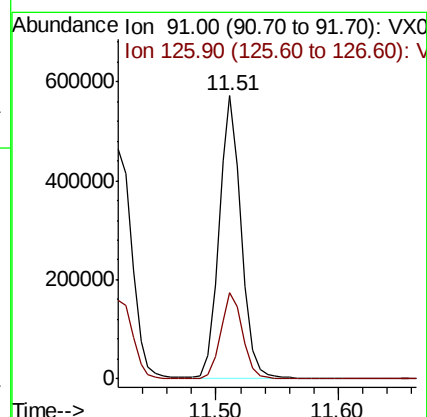
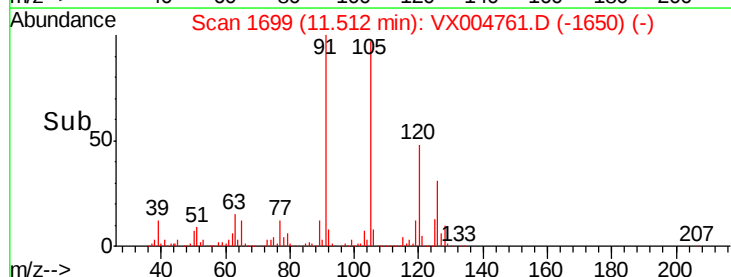
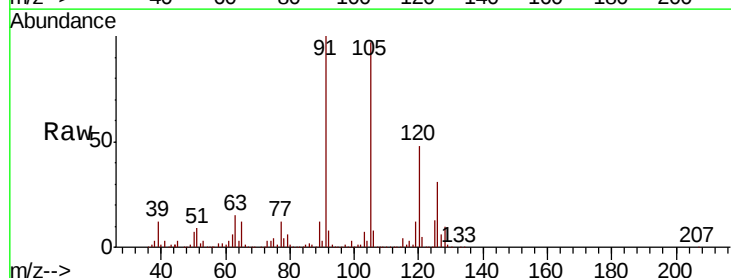
Acq: 27 Sep 2018 08:38

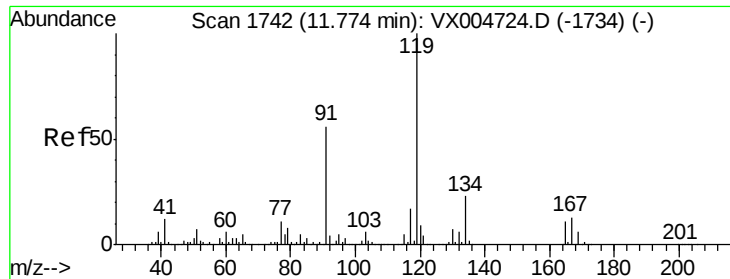
Tgt Ion: 91 Resp: 720372

Ion Ratio Lower Upper

91 100

126 30.6 15.5 46.5





#83

tert-Butylbenzene

Concen: 56.765 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

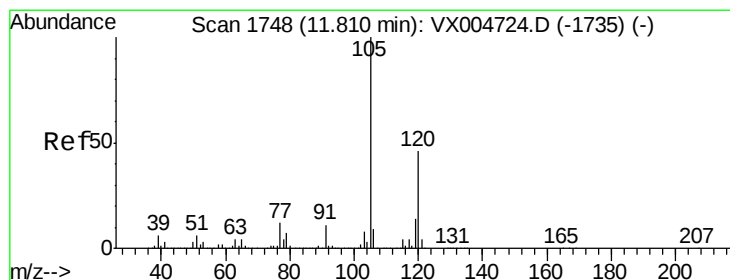
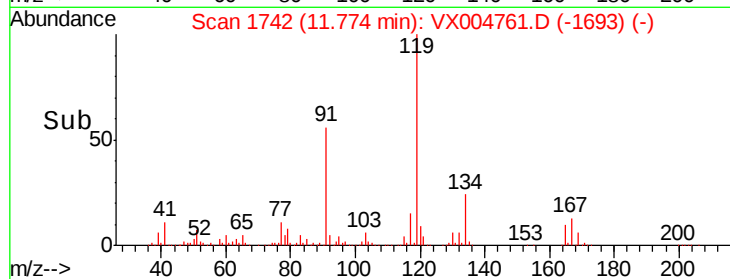
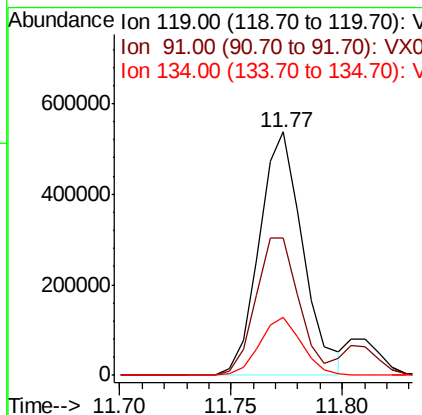
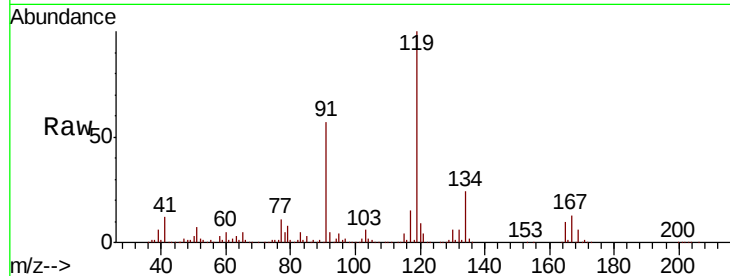
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	732484
Ion Ratio	Lower	Upper	
119	100		
91	56.2	27.0	81.0
134	23.0	11.7	35.1

Manual Integrations
APPROVED

MMDadoda
9/27/2018 12:51:20 PM



#84

1,2,4-Trimethylbenzene

Concen: 52.683 ug/l

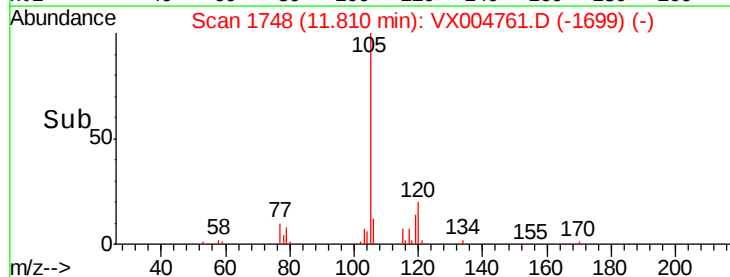
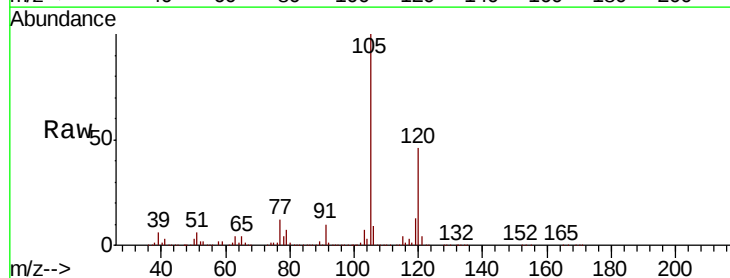
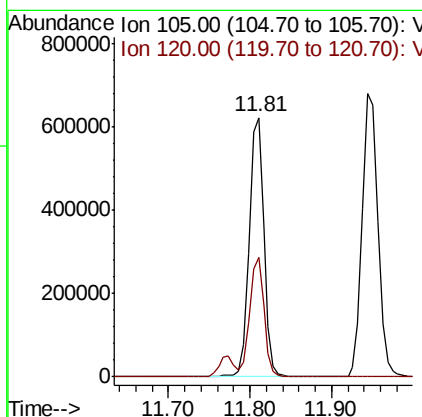
RT: 11.81 min Scan# 1748

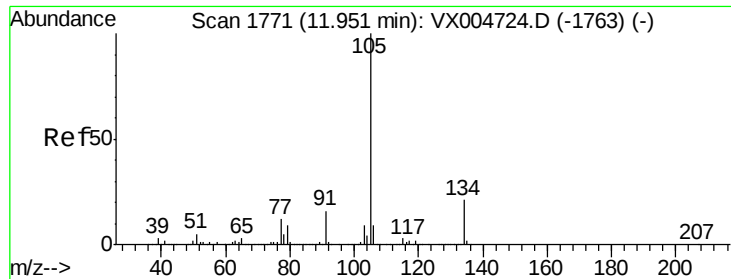
Delta R.T. 0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Tgt Ion:	105	Resp:	780277
Ion Ratio	Lower	Upper	
105	100		
120	45.0	23.2	69.6





#85

sec-Butylbenzene

Concen: 57.115 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 897694

Ion Ratio Lower Upper

105 100

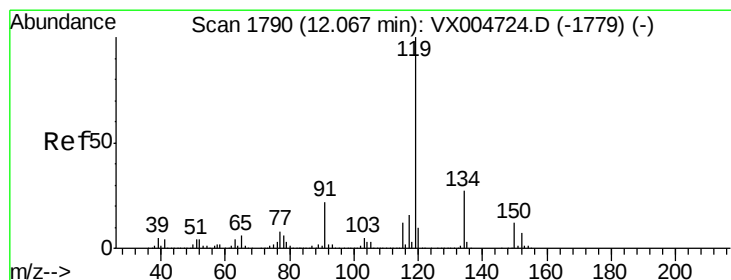
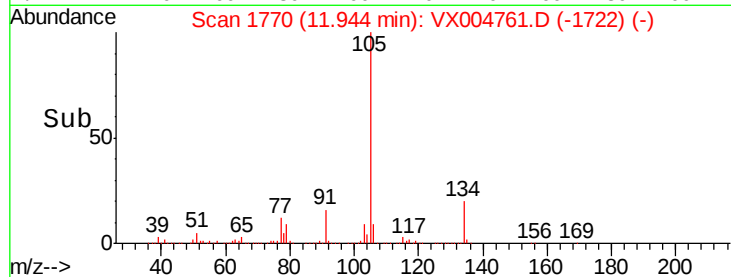
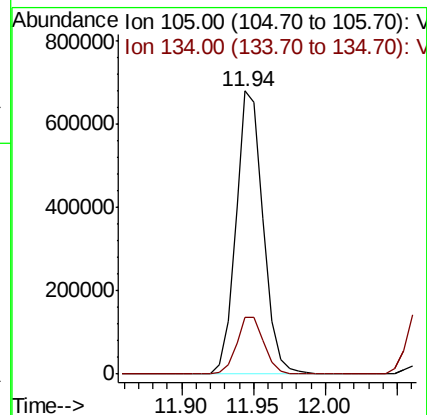
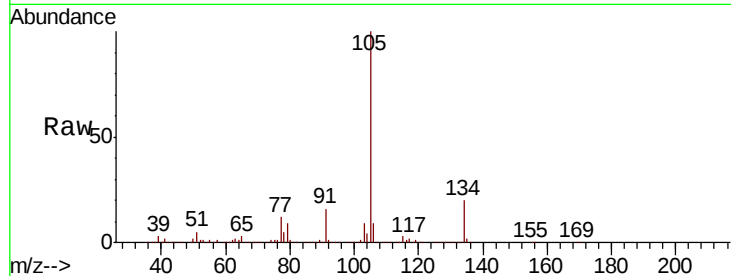
134 20.4 10.5 31.5

Manual Integrations

APPROVED

MMDadoda

9/27/2018 12:51:20 PM



#86

p-Isopropyltoluene

Concen: 56.653 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

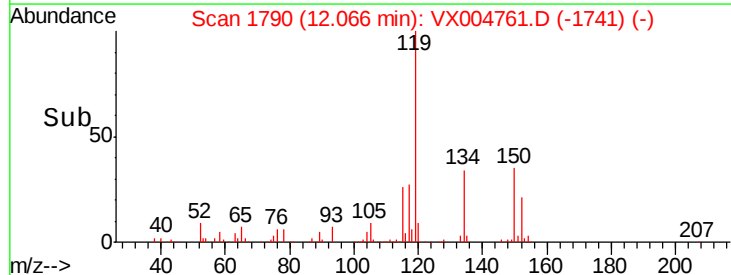
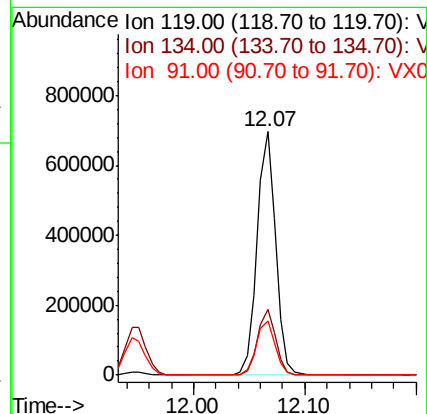
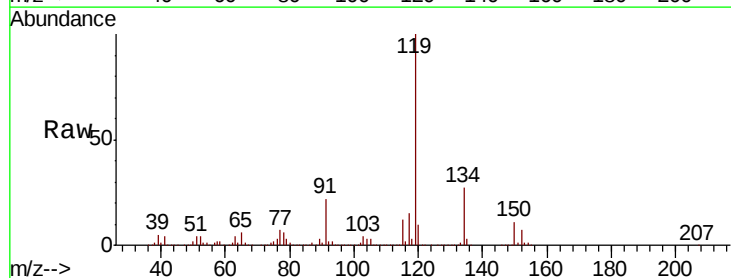
Tgt Ion:119 Resp: 806730

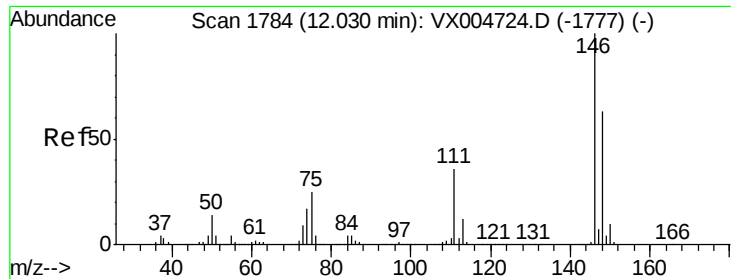
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 22.6 10.9 32.7





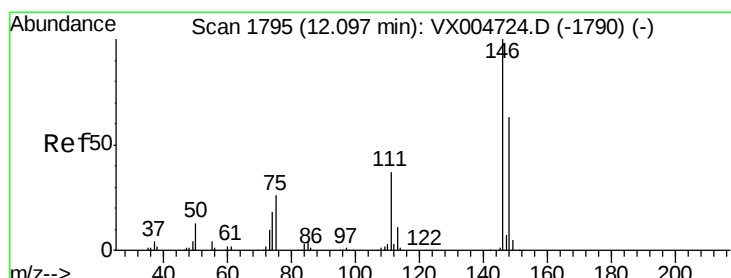
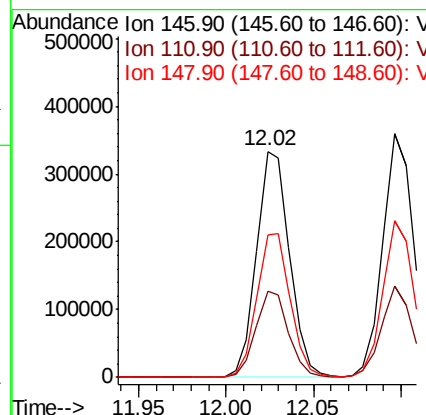
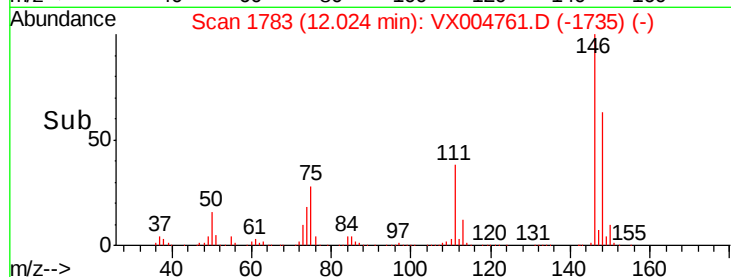
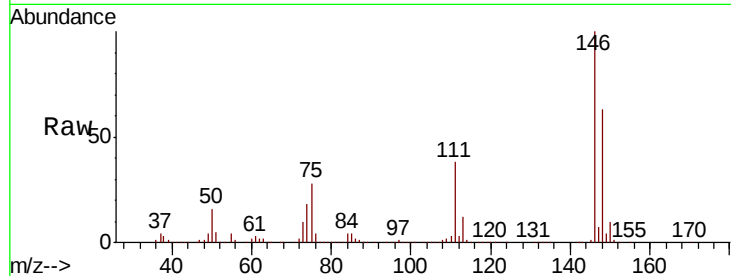
#87
 1,3-Dichlorobenzene
 Concen: 51.659 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004761.D
 Acq: 27 Sep 2018 08:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.7	56.1
148	64.3	32.1	96.5

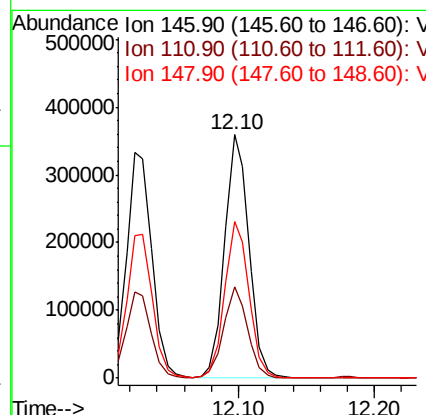
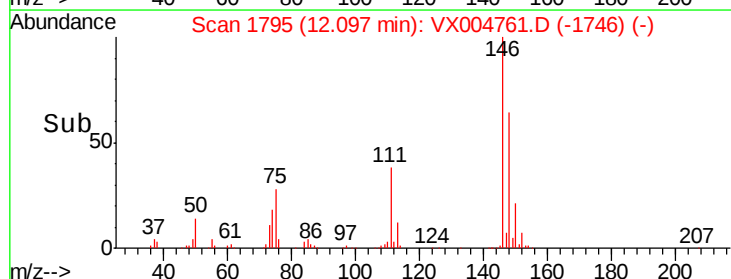
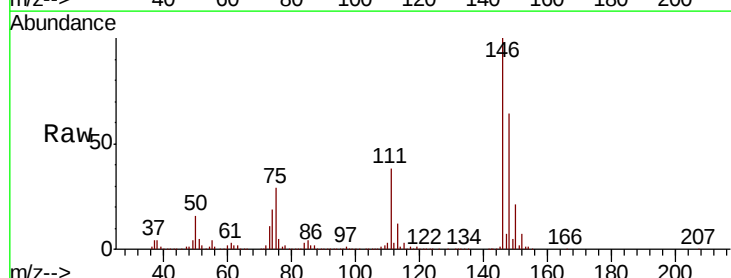
Manual Integrations
 APPROVED

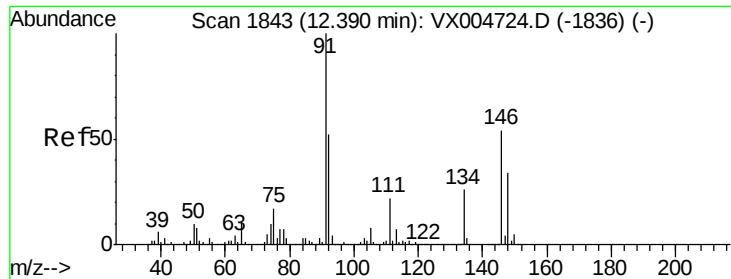
MMDadoda
 9/27/2018 12:51:20 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.578 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004761.D
 Acq: 27 Sep 2018 08:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.1	54.1
148	64.4	32.0	96.0





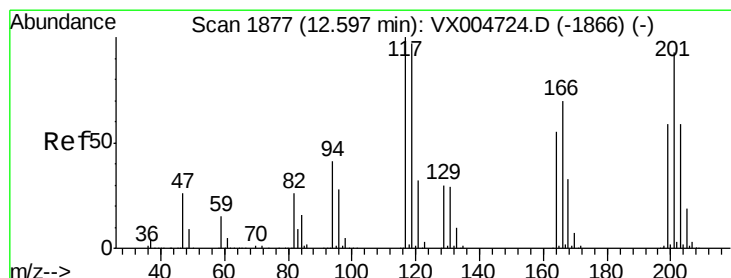
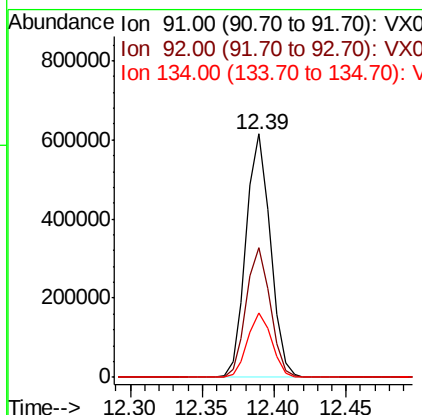
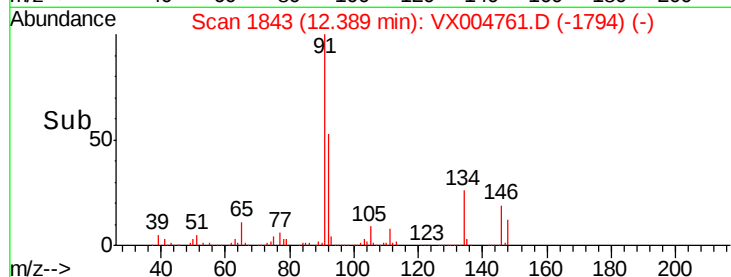
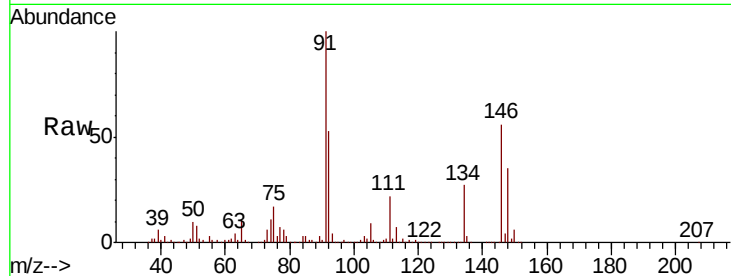
#89
n-Butylbenzene
Concen: 55.467 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	27.3	81.9
134	26.4	13.6	40.7

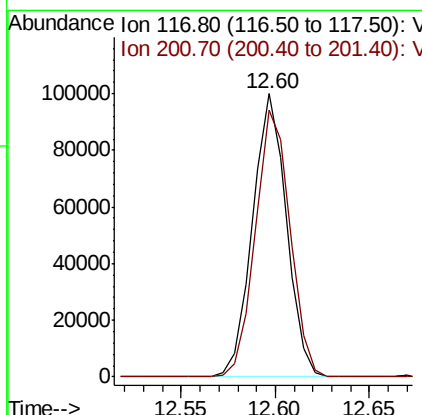
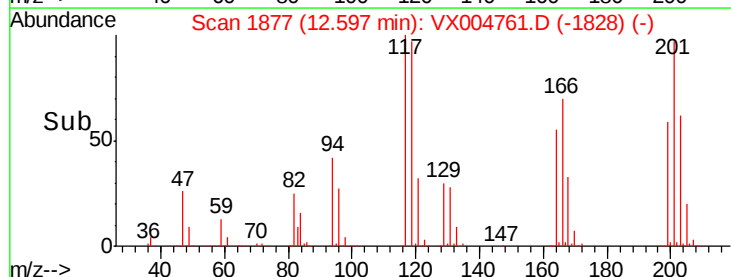
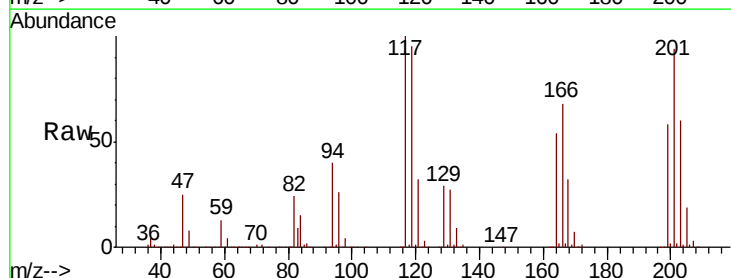
Manual Integrations
APPROVED

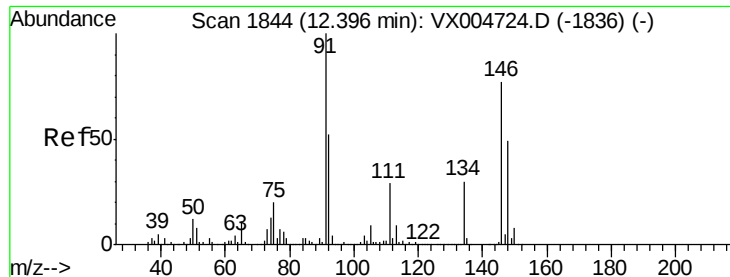
MMDadoda
9/27/2018 12:51:20 PM



#90
Hexachloroethane
Concen: 52.439 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.4	46.9	140.6





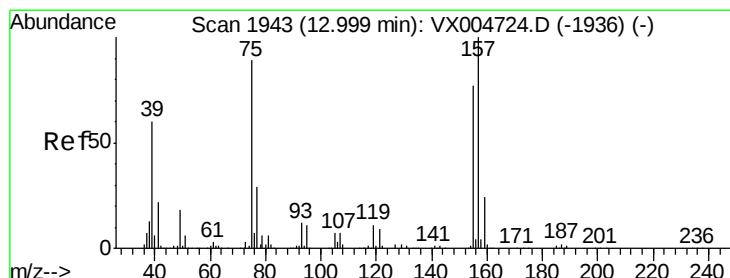
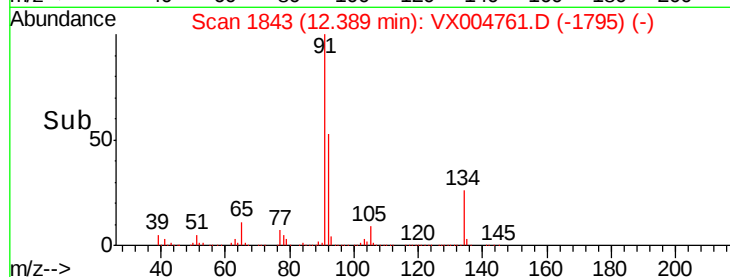
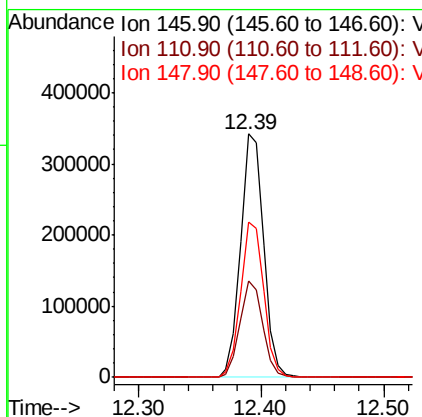
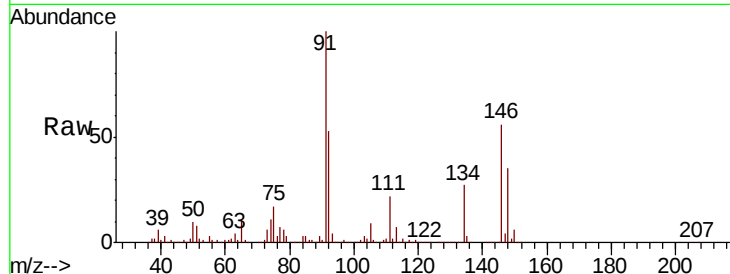
#91
 1,2-Dichlorobenzene
 Concen: 49.976 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004761.D
 Acq: 27 Sep 2018 08:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.1
148	63.9	32.8	98.3

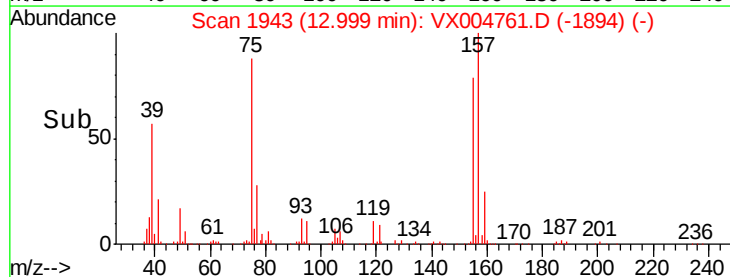
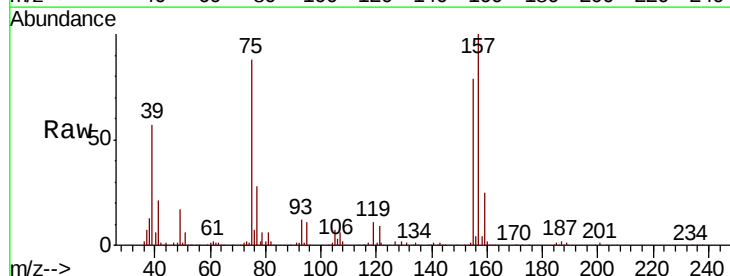
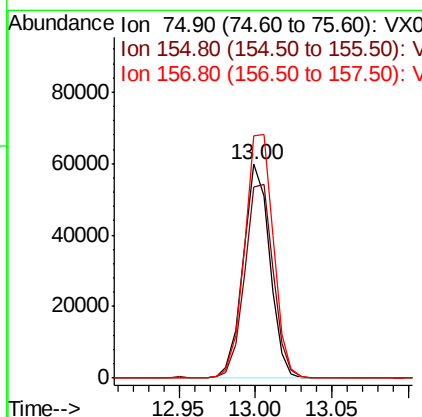
Manual Integrations
 APPROVED

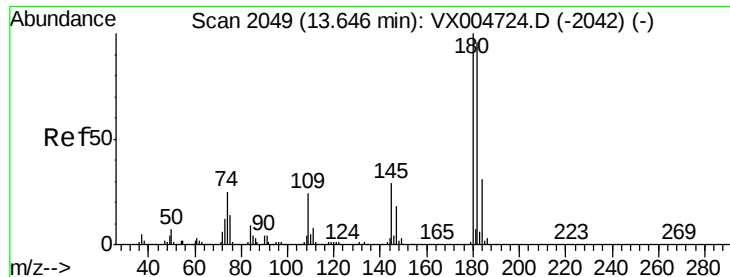
MMDadoda
 9/27/2018 12:51:20 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.503 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004761.D
 Acq: 27 Sep 2018 08:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.1	48.0	144.2
157	123.1	61.4	184.1





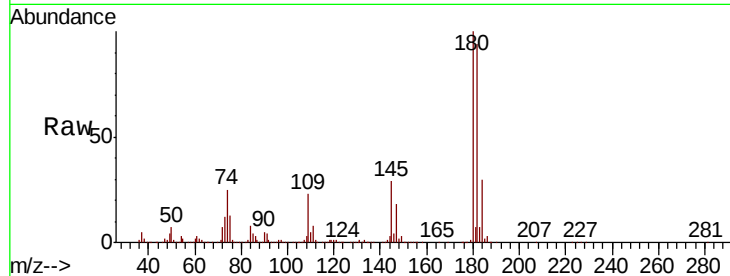
#93
 1,2,4-Trichlorobenzene
 Concen: 53.785 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004761.D
 Acq: 27 Sep 2018 08:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

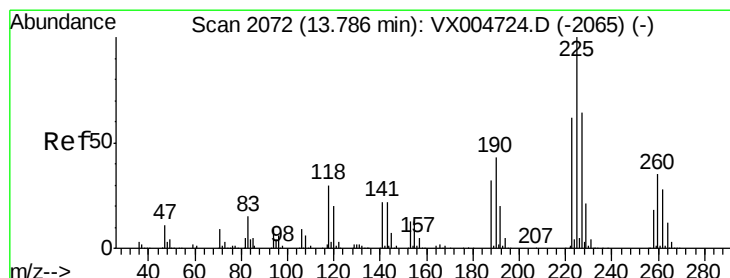
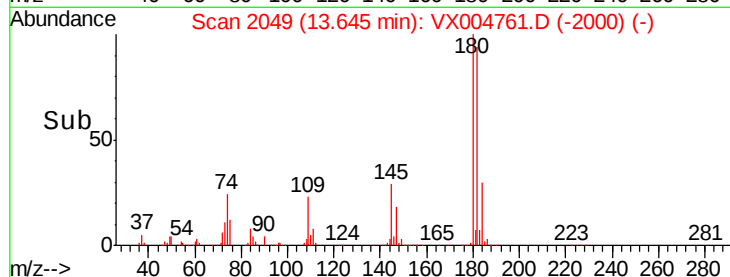
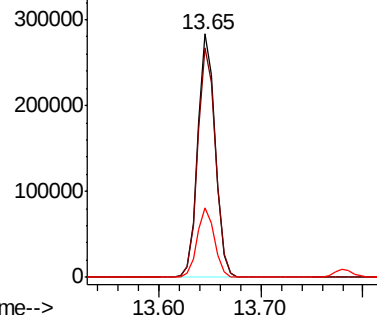
Tot Ion	Ratio	Resp	Lower	Upper
180	100	335159		
182	95.7	48.4	145.0	
145	28.5	14.3	42.9	

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 12:51:20 PM

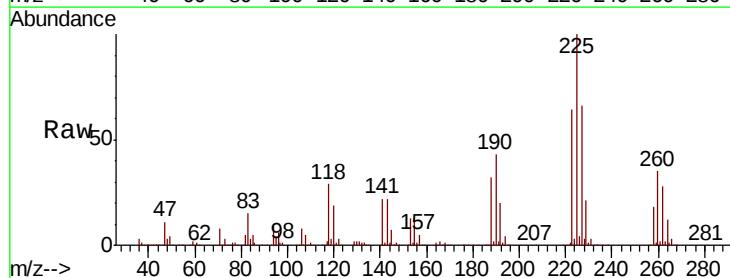


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

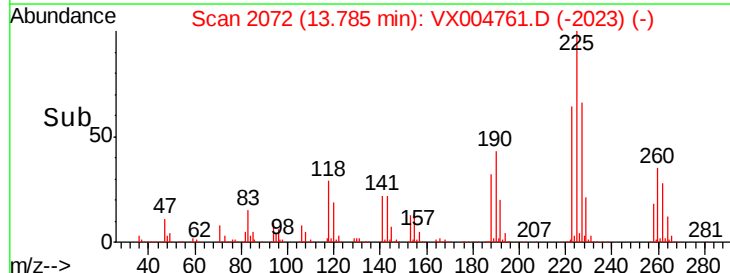
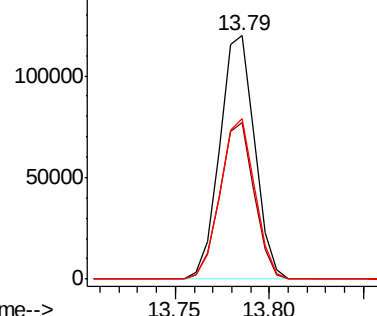


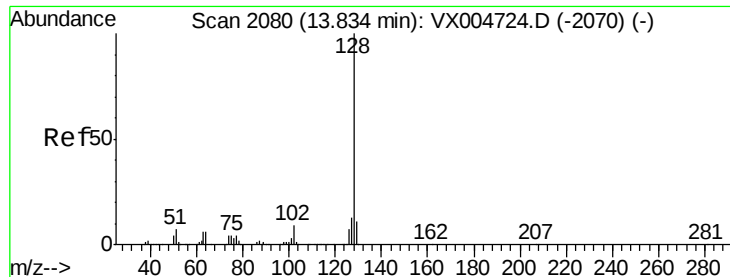
#94
 Hexachlorobutadiene
 Concen: 47.453 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004761.D
 Acq: 27 Sep 2018 08:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	153336		
223	63.3	30.1	90.5	
227	65.1	30.8	92.4	



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





#95

Naphthalene

Concen: 52.515 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1086917

Ion Ratio Lower Upper

128 100

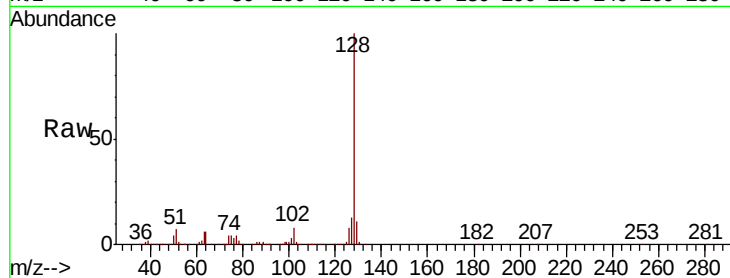
127 13.0 10.2 15.2

129 10.9 8.6 12.8

Manual Integrations
APPROVED

MMDadoda

9/27/2018 12:51:20 PM

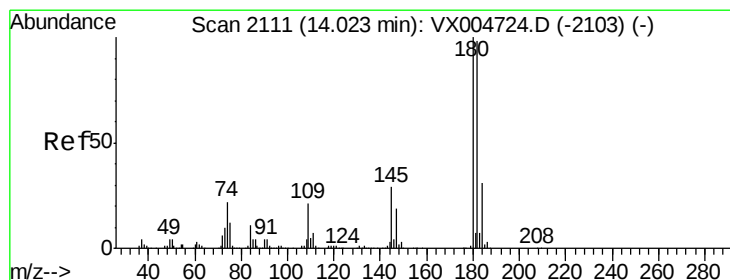
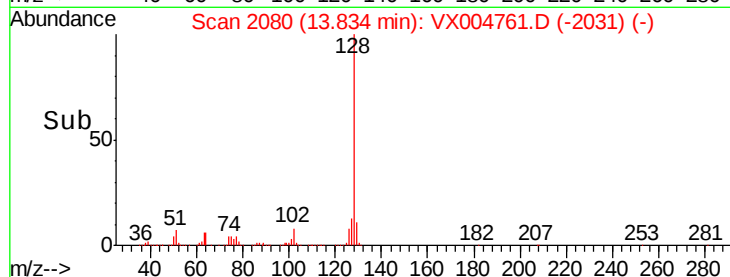
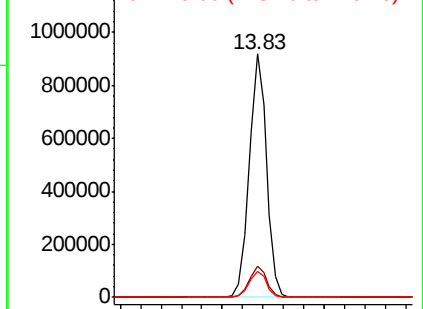


Abundance

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: 53.060 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

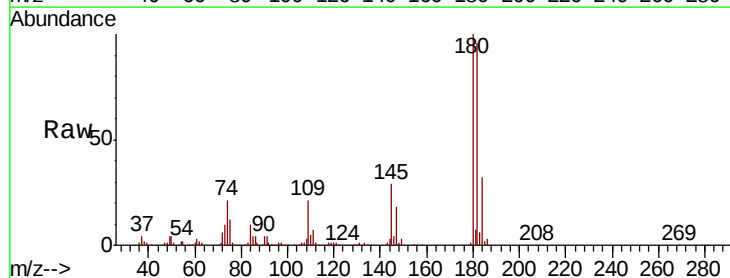
Tgt Ion:180 Resp: 341553

Ion Ratio Lower Upper

180 100

182 95.9 48.5 145.6

145 29.9 14.9 44.9



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

